

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102618\
 Data File : VN052021.D
 Acq On : 26 Oct 2018 12:06
 Operator : MD\SY
 Sample : VN1026WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/29/2018 3:46:28 PM

Quant Time: Oct 26 23:58:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1278405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1777297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1645406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	819428	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	522436	45.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.76%	
35) Dibromofluoromethane	7.59	113	557480	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
50) Toluene-d8	10.09	98	2016679	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
62) 4-Bromofluorobenzene	12.40	95	670216	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	233449	28.776	ug/l	99
3) Chloromethane	2.06	50	159529	21.839	ug/l	99
4) Vinyl Chloride	2.19	62	194157	19.830	ug/l	99
5) Bromomethane	2.57	94	193469	20.638	ug/l	99
6) Chloroethane	2.71	64	134386	18.487	ug/l	97
7) Trichlorofluoromethane	3.02	101	349213	20.017	ug/l	100
8) Diethyl Ether	3.41	74	98596	19.009	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	213562	20.435	ug/l	99
10) Methyl Iodide	3.96	142	308132	19.928	ug/l	98
11) Tert butyl alcohol	4.78	59	47605	80.791	ug/l #	90
12) 1,1-Dichloroethene	3.74	96	185887	19.861	ug/l	98
13) Acrolein	3.61	56	21023	90.016	ug/l	92
14) Allyl chloride	4.33	41	184196	18.599	ug/l	98
15) Acrylonitrile	4.99	53	237026	95.290	ug/l	98
16) Acetone	3.82	43	168552	89.852	ug/l	97
17) Carbon Disulfide	4.06	76	433278	19.475	ug/l	99
18) Methyl Acetate	4.33	43	97117	15.454	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	475623	18.928	ug/l	99
20) Methylene Chloride	4.56	84	205456	18.670	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	207158	19.544	ug/l	96
22) Diisopropyl ether	5.95	45	434342	19.169	ug/l	98
23) Vinyl Acetate	5.90	43	1509031	97.901	ug/l	99
24) 1,1-Dichloroethane	5.85	63	311046	18.803	ug/l	99
25) 2-Butanone	6.84	43	256555	95.935	ug/l	98
26) 2,2-Dichloropropane	6.82	77	286543	18.932	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	240465	19.420	ug/l	98
28) Bromochloromethane	7.20	49	110164	16.523	ug/l	91
29) Tetrahydrofuran	7.21	42	163055	89.992	ug/l	99
30) Chloroform	7.37	83	379331	18.779	ug/l	100
31) Cyclohexane	7.66	56	277634	19.289	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	348156	18.849	ug/l	100
36) 1,1-Dichloropropene	7.79	75	266241	19.529	ug/l	98
37) Ethyl Acetate	6.93	43	119514	18.408	ug/l	98
38) Carbon Tetrachloride	7.78	117	312472	19.964	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	337475	20.267	ug/l	98
40) Benzene	8.04	78	817582	20.198	ug/l	98
41) Methacrylonitrile	7.17	41	56332	18.388	ug/l #	75
42) 1,2-Dichloroethane	8.13	62	252484	19.453	ug/l	100
43) Isopropyl Acetate	8.16	43	222986	19.530	ug/l	98
44) Trichloroethene	8.84	130	268680	20.679	ug/l	97
45) 1,2-Dichloropropane	9.12	63	185653	20.274	ug/l	100
46) Dibromomethane	9.21	93	142963	19.368	ug/l	95
47) Bromodichloromethane	9.40	83	270725	19.420	ug/l	99
48) Methyl methacrylate	9.20	41	105923	19.193	ug/l	99
49) 1,4-Dioxane	9.20	88	32833	324.456	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	605125	96.351	ug/l	98
52) Toluene	10.16	92	563154	20.516	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	251800	18.490	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	297382	20.409	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	197235	19.447	ug/l	97
56) Ethyl methacrylate	10.43	69	210335	19.293	ug/l	99
57) 1,3-Dichloropropane	10.71	76	301684	19.594	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	560342	98.231	ug/l	99
59) 2-Hexanone	10.75	43	406083	96.233	ug/l	99
60) Dibromochloromethane	10.90	129	227245	18.847	ug/l	100
61) 1,2-Dibromoethane	11.01	107	209979	19.636	ug/l	100
64) Tetrachloroethene	10.63	164	263810	20.889	ug/l	97
65) Chlorobenzene	11.43	112	674086	20.291	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	240078	20.106	ug/l	99
67) Ethyl Benzene	11.51	91	1054799	19.753	ug/l	98
68) m/p-Xylenes	11.62	106	867374	40.653	ug/l	100
69) o-Xylene	11.95	106	423525	20.411	ug/l	97
70) Styrene	11.96	104	670883	20.229	ug/l	100
71) Bromoform	12.13	173	138794	18.213	ug/l #	99
73) Isopropylbenzene	12.25	105	1124205	21.633	ug/l	100
74) N-amyl acetate	12.07	43	192089	18.779	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	205459	19.134	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	175585m	20.744	ug/l	
77) Bromobenzene	12.53	156	309106	21.552	ug/l	97
78) n-propylbenzene	12.59	91	1208663	21.560	ug/l	100
79) 2-Chlorotoluene	12.67	91	695827	21.314	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	910526	21.838	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	46328	18.811	ug/l	97
82) 4-Chlorotoluene	12.77	91	706136	20.891	ug/l	98
83) tert-Butylbenzene	12.99	119	824816	20.916	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	924448	21.495	ug/l	100
85) sec-Butylbenzene	13.17	105	1086710	21.100	ug/l	100
86) p-Isopropyltoluene	13.29	119	973151	20.987	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	537397	20.316	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	527074	20.211	ug/l	98
89) n-Butylbenzene	13.61	91	726932	19.688	ug/l	99
90) Hexachloroethane	13.87	117	134485	19.468	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	492613	19.250	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21627	13.117	ug/l	90

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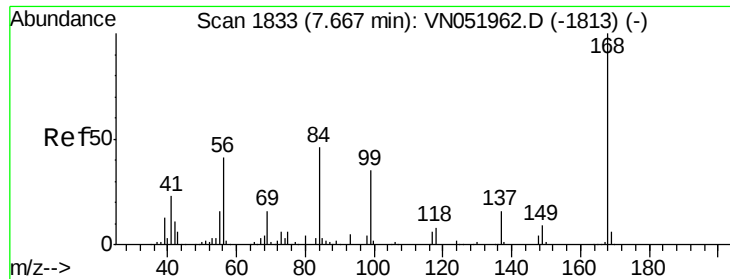
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	188955	12.500	ug/l	99
94) Hexachlorobutadiene	15.01	225	120079	15.460	ug/l	98
95) Naphthalene	15.13	128	361862	11.023	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	157315	10.888	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

Tot Ion:168 Resp: 1278405

Ion Ratio Lower Upper

168 100

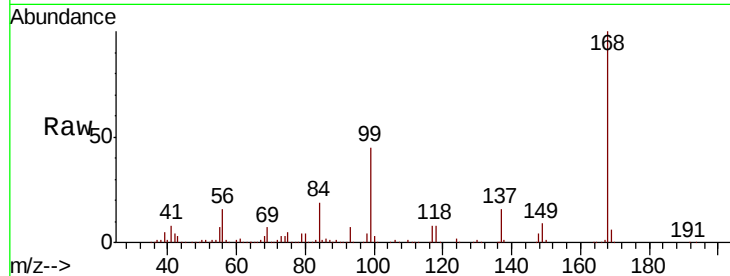
99 44.5 37.8 56.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

300000

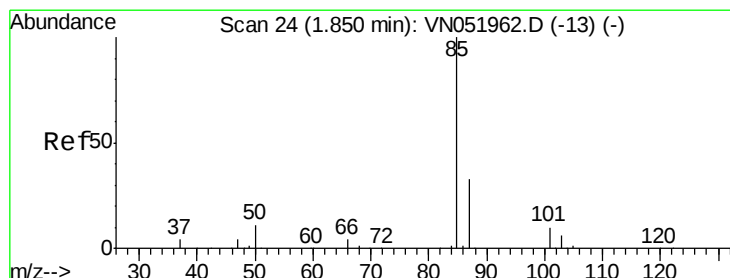
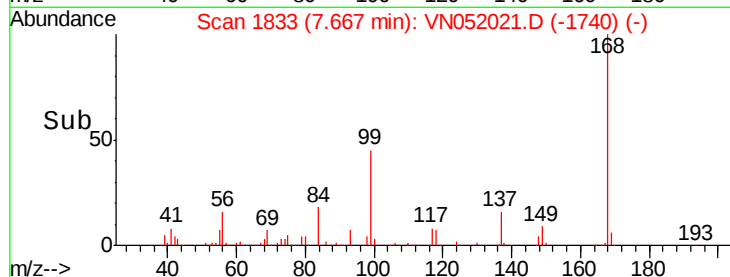
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 28.776 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052021.D

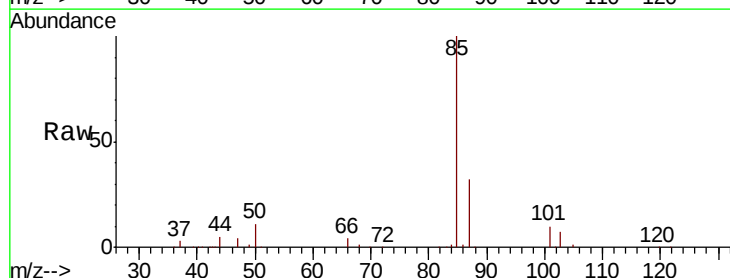
Acq: 26 Oct 2018 12:06

Tgt Ion: 85 Resp: 233449

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

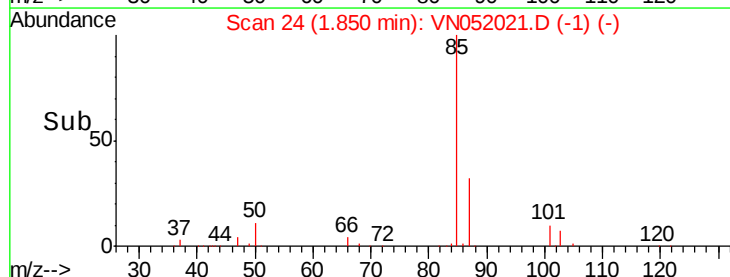
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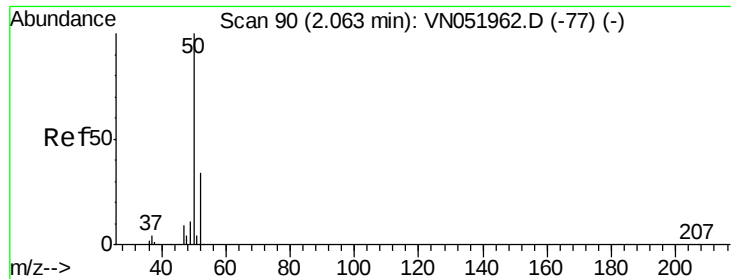
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.839 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

Tot Ion: 50 Resp: 159529

Ion Ratio Lower Upper

50 100

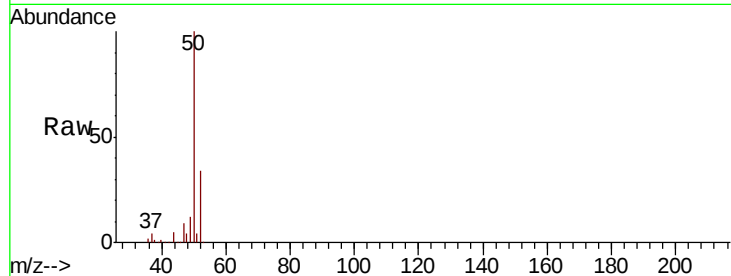
52 33.9 27.5 41.3

Manual Integrations

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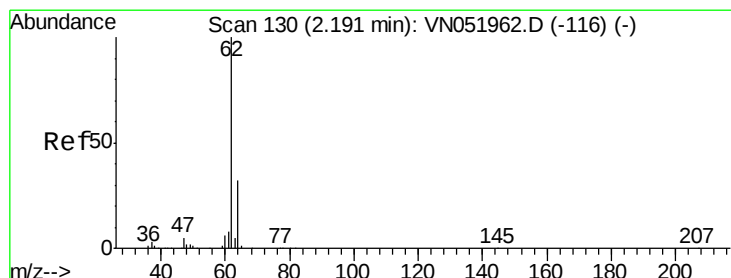
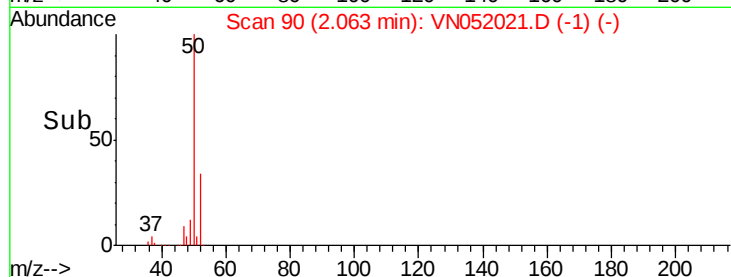
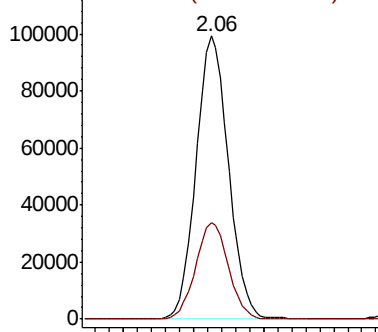
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.830 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052021.D

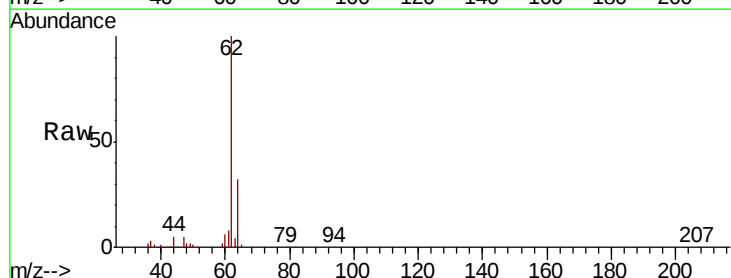
Acq: 26 Oct 2018 12:06

Tgt Ion: 62 Resp: 194157

Ion Ratio Lower Upper

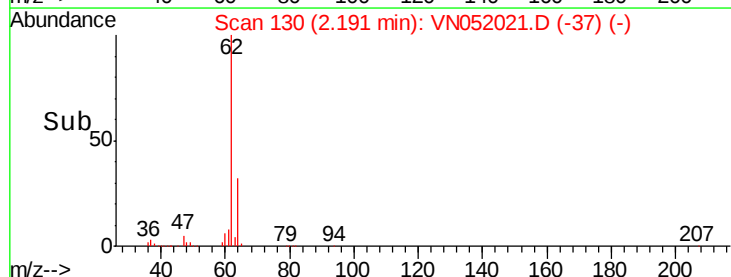
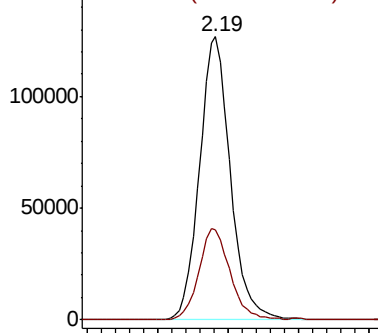
62 100

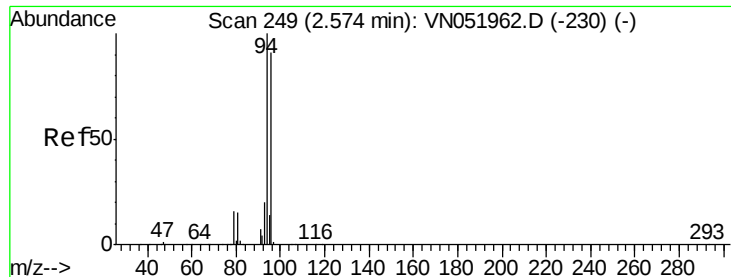
64 31.8 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 20.638 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

Tot Ion: 94 Resp: 193469

Ion Ratio Lower Upper

94 100

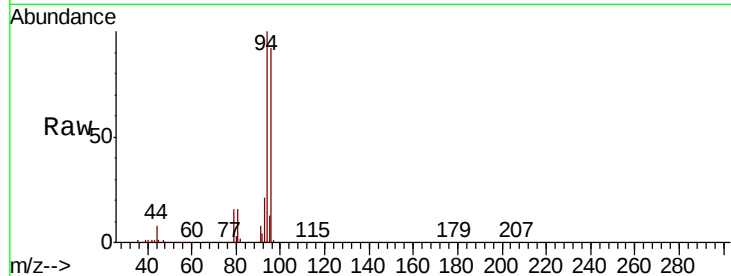
96 92.3 73.0 109.6

Manual Integrations

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10/29/2018 3:46:28 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

100000

80000

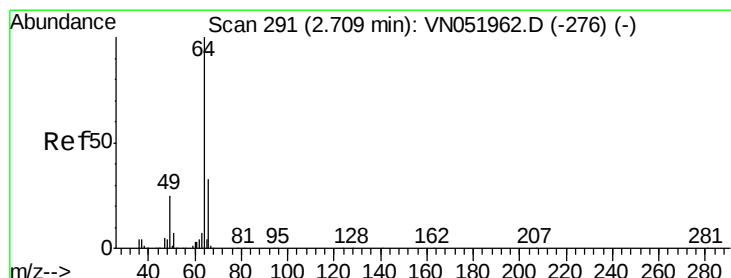
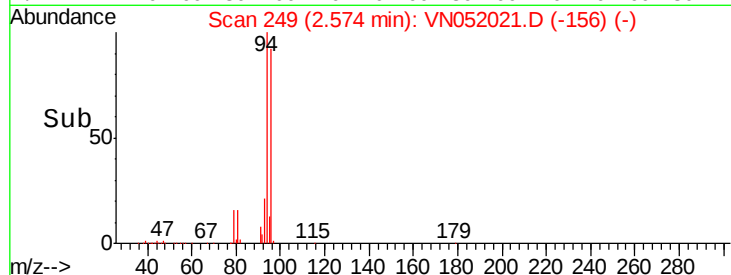
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 18.487 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052021.D

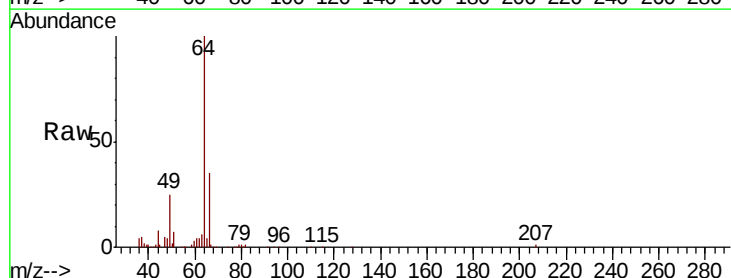
Acq: 26 Oct 2018 12:06

Tgt Ion: 64 Resp: 134386

Ion Ratio Lower Upper

64 100

66 34.5 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

80000

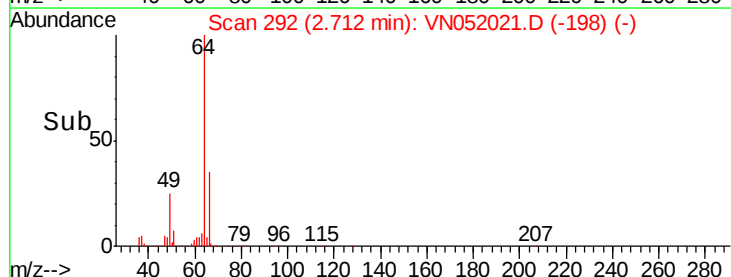
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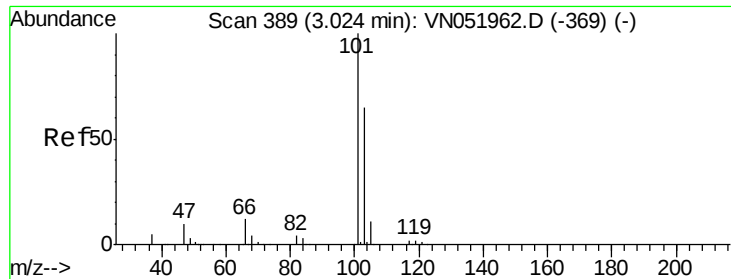
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20000

0

Time-->





#7

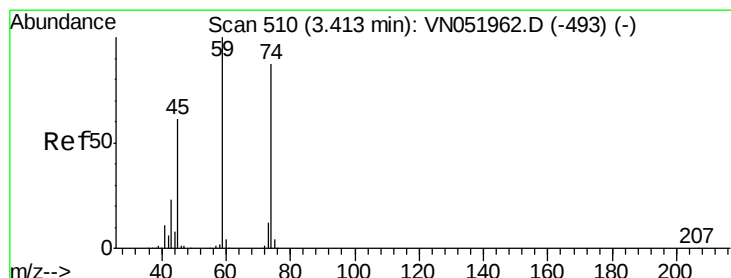
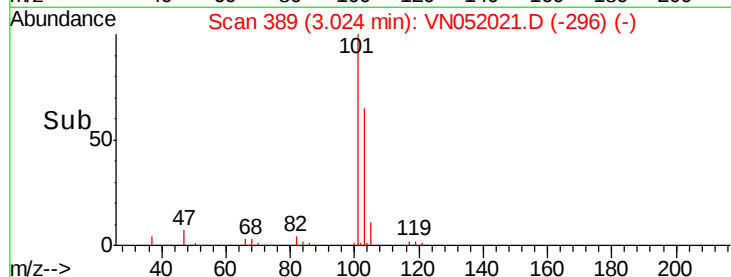
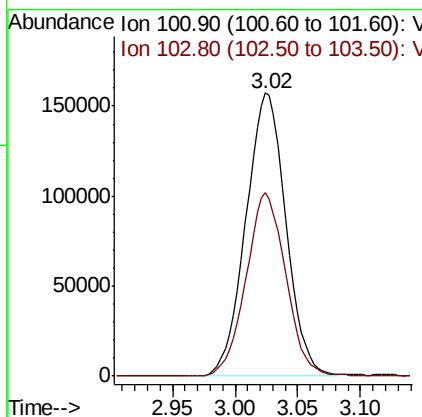
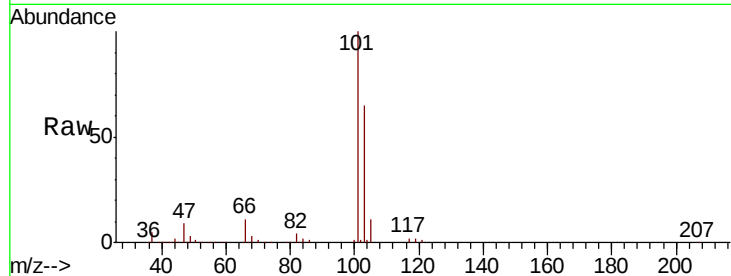
Trichlorofluoromethane
 Concen: 20.017 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Instrument :
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 VN1026WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.0	78.0

Manual Integrations
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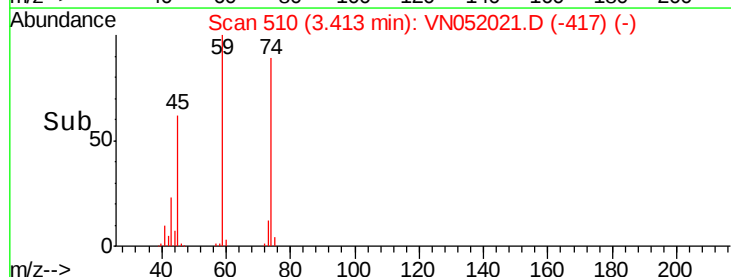
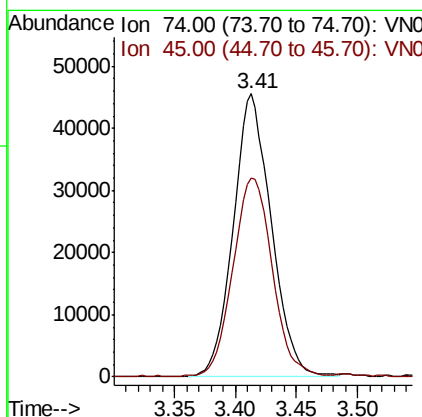
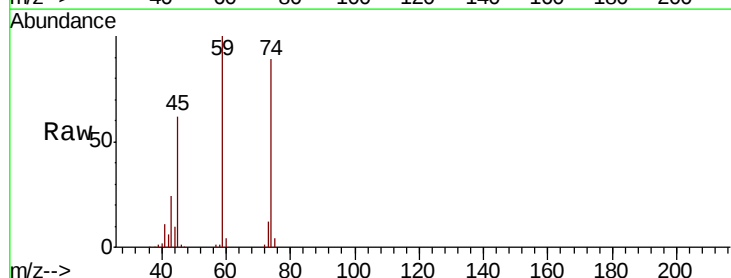
MMDadoda
 10/29/2018 3:46:28 PM

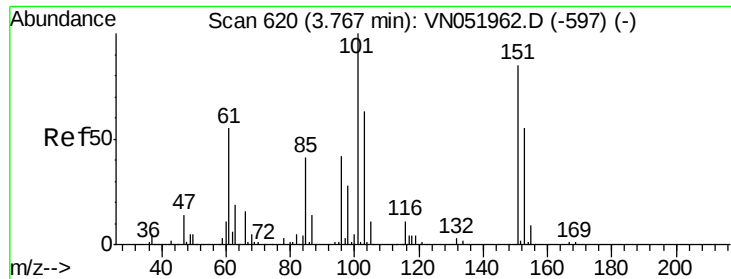


#8

Diethyl Ether
 Concen: 19.009 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	72.8	35.5	106.5





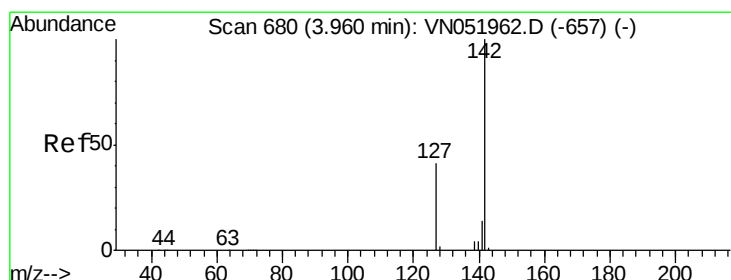
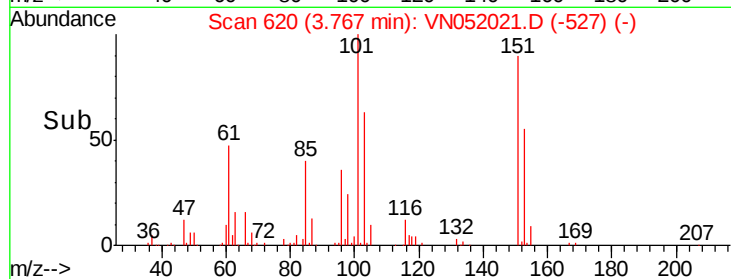
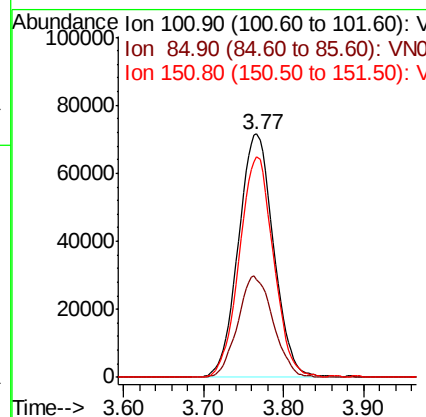
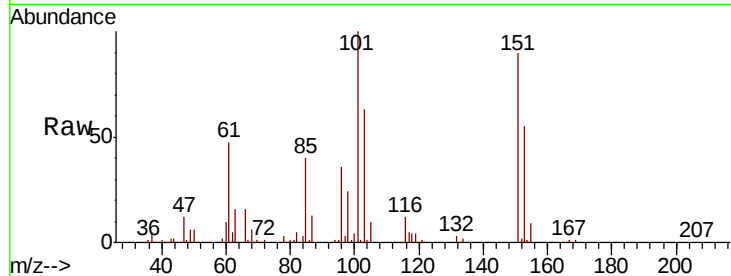
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.435 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBS01

Tot Ion:	101	Resp:	213562
Ion Ratio	Lower	Upper	
101	100		
85	41.7	34.2	51.4
151	87.6	69.1	103.7

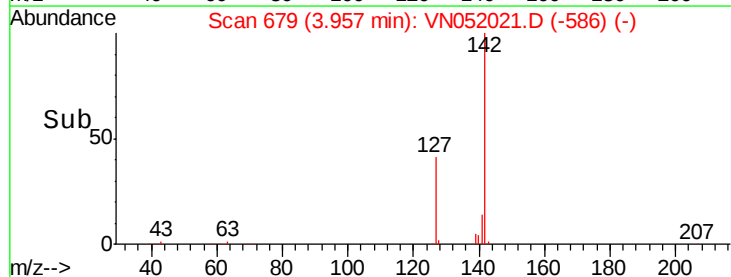
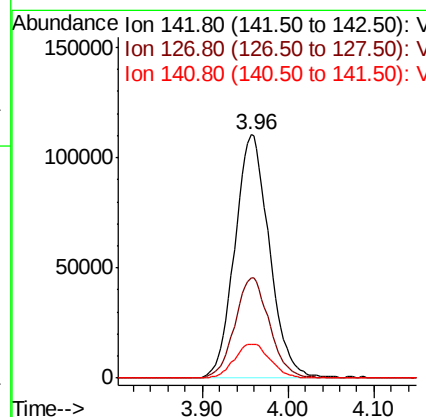
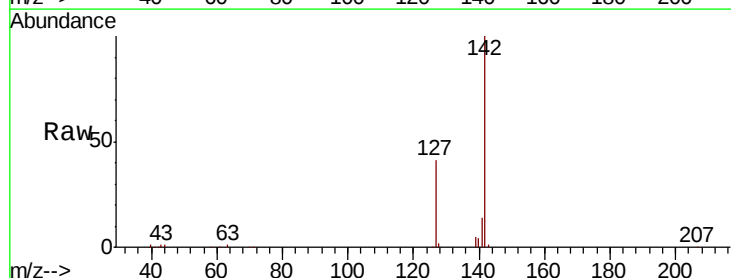
Manual Integrations
 APPROVED

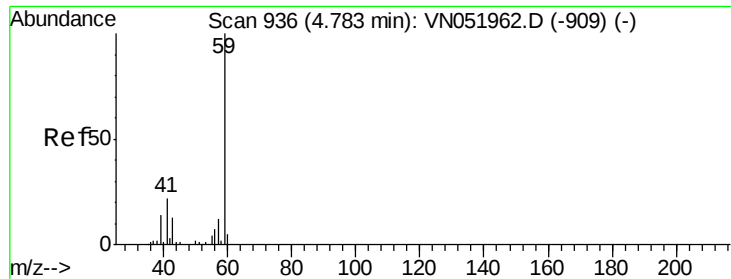
MMDadoda
 10/29/2018 3:46:28 PM



#10
 Methyl Iodide
 Concen: 19.928 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. -0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Tgt Ion:	142	Resp:	308132
Ion Ratio	Lower	Upper	
142	100		
127	41.5	34.3	51.5
141	14.4	11.4	17.0





#11

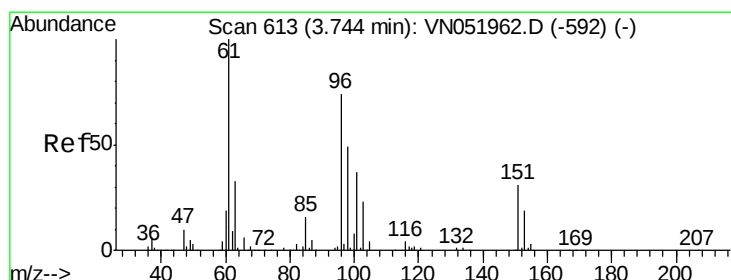
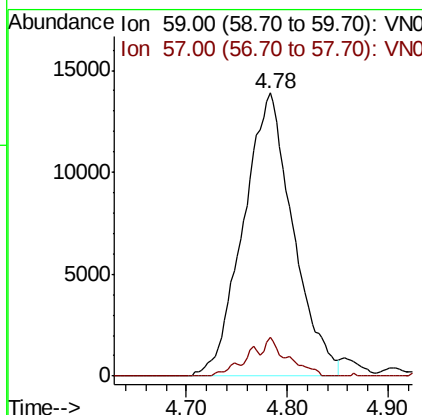
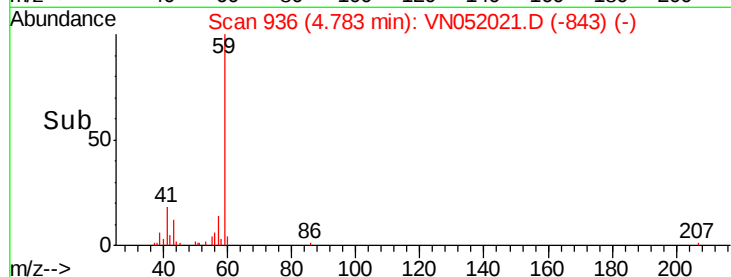
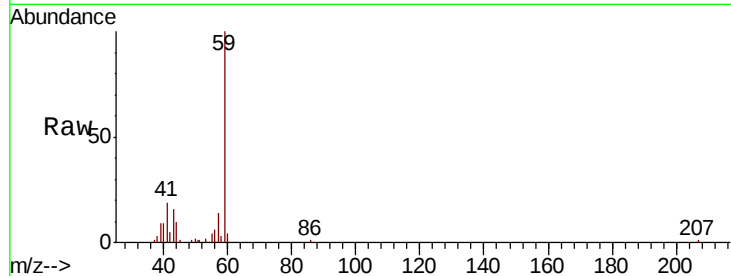
Tert butyl alcohol
Concen: 80.791 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion	59	57	Ratio	100	6.4	Resp	47605	Lower	8.2	Upper	12.4#
59	100										
57		6.4									

Manual Integrations
APPROVED

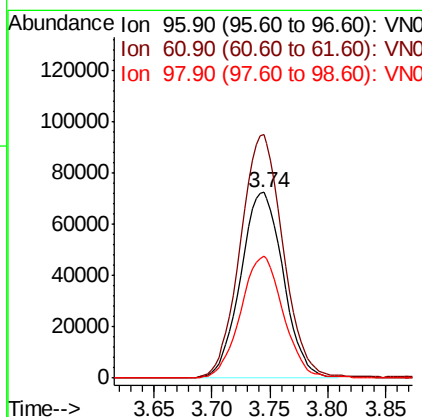
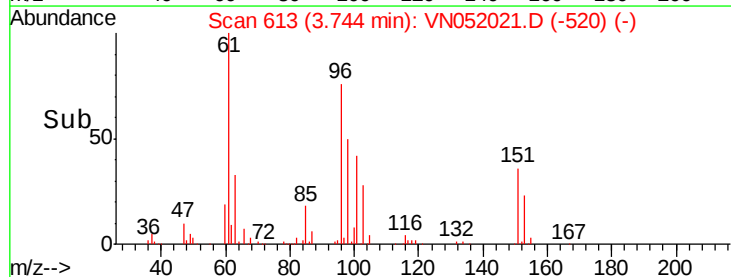
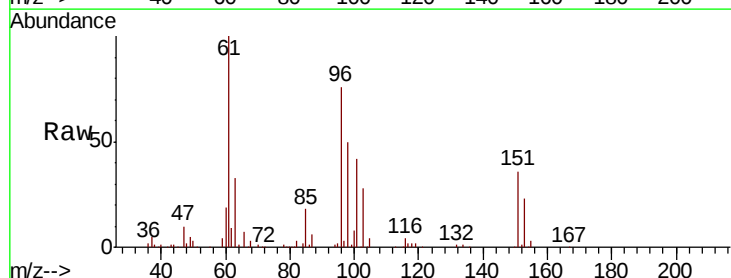
MMDadoda
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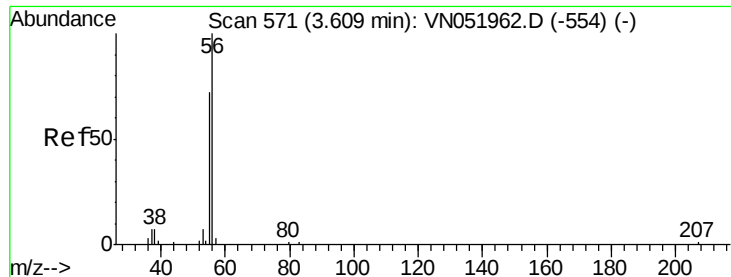


#12

1,1-Dichloroethene
Concen: 19.861 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Tgt Ion	96	61	98	Ratio	100	131.3	65.9	Resp	185887	Lower	107.8	52.7	Upper	161.8	79.1
96	100														
61		131.3													
98		65.9													





#13

Acrolein

Concen: 90.016 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

Tot Ion: 56 Resp: 21023

Ion Ratio Lower Upper

56 100

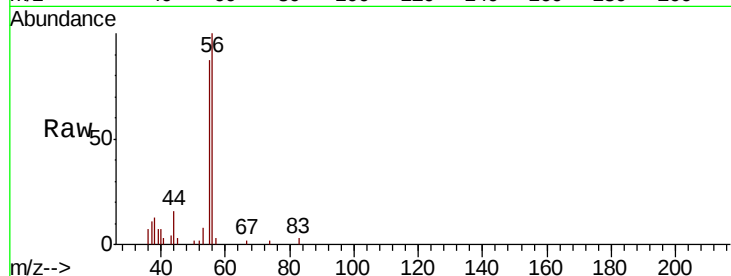
55 76.9 56.6 84.8

Manual Integrations

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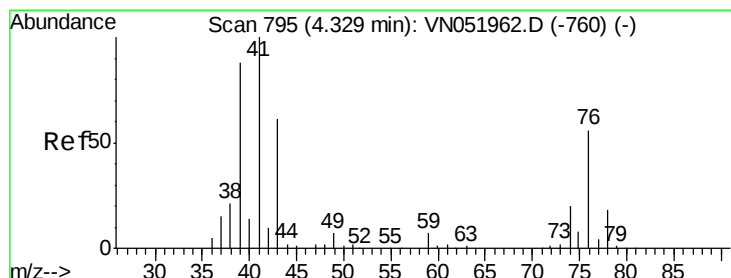
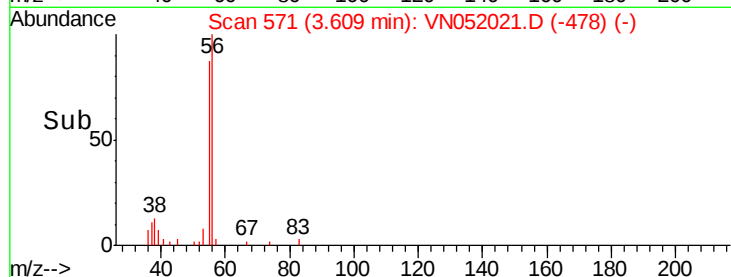
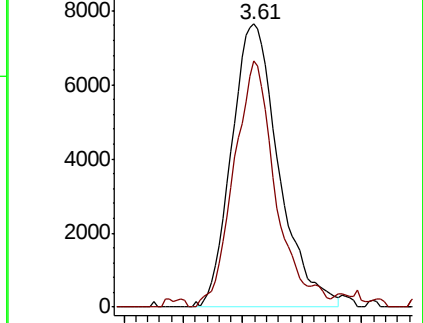
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.599 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

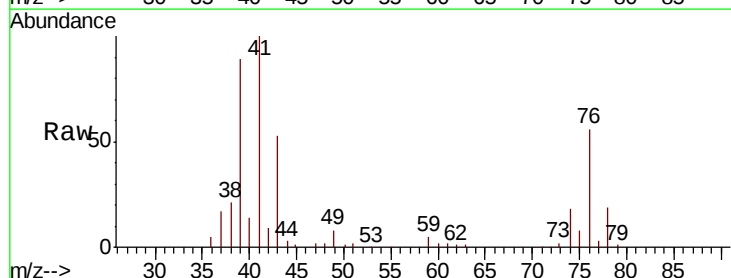
Tgt Ion: 41 Resp: 184196

Ion Ratio Lower Upper

41 100

39 82.5 67.7 101.5

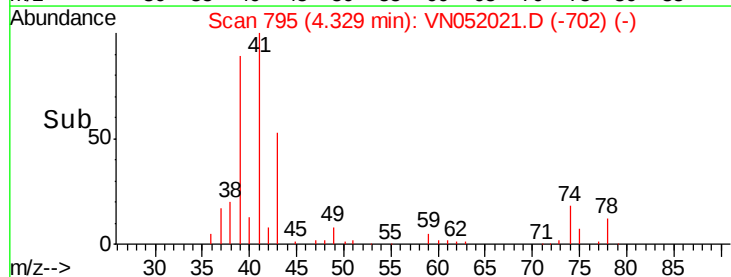
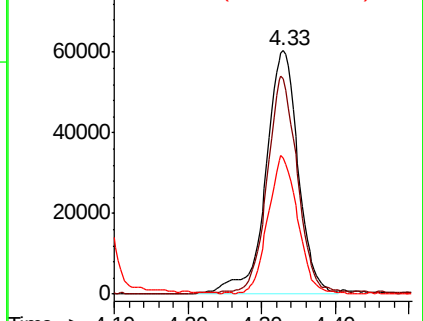
76 52.3 41.3 61.9

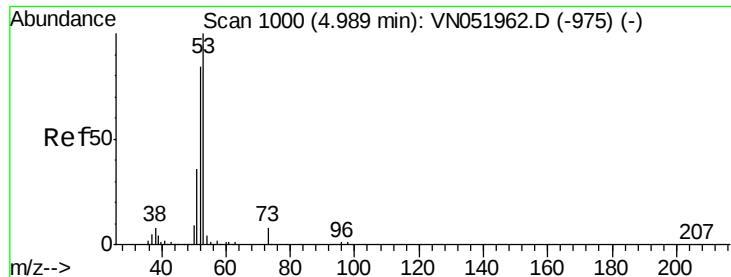


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 95.290 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

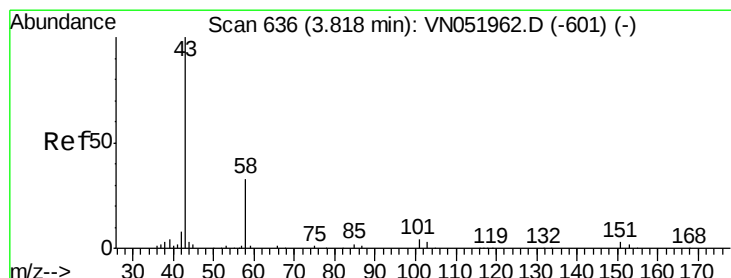
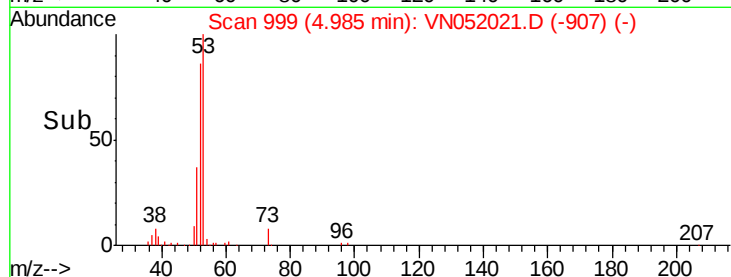
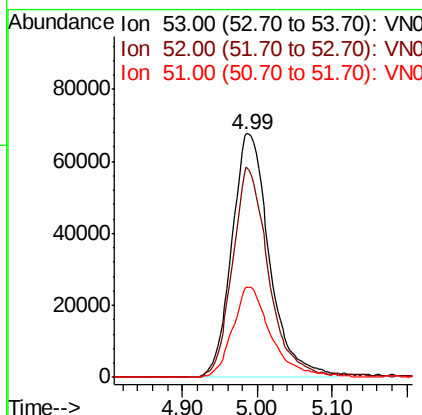
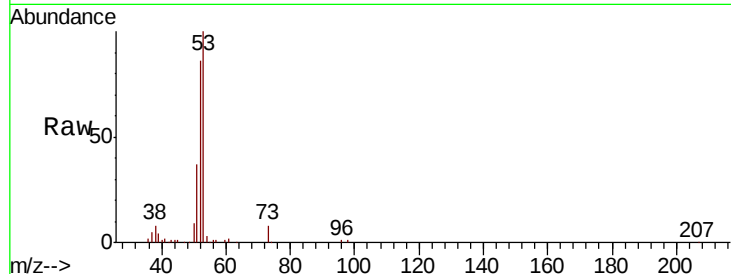
ClientSampleId :

VN1026WBS01

Tot Ion:	53	Resp:	237026
Ion	Ratio	Lower	Upper
53	100		
52	82.1	67.0	100.4
51	37.9	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 89.852 ug/l

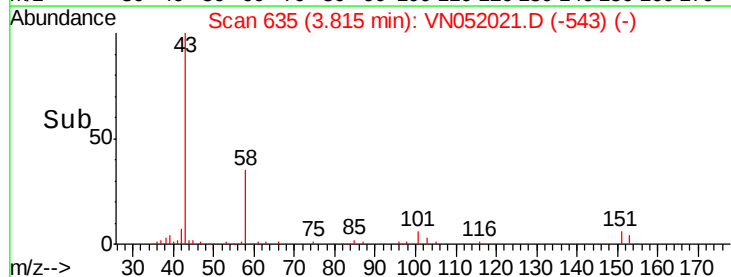
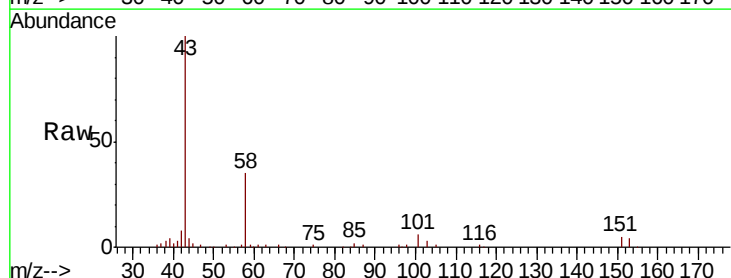
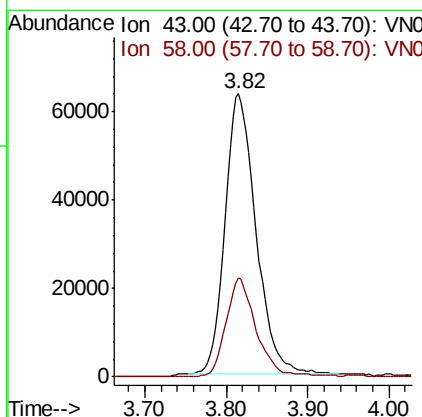
RT: 3.82 min Scan# 635

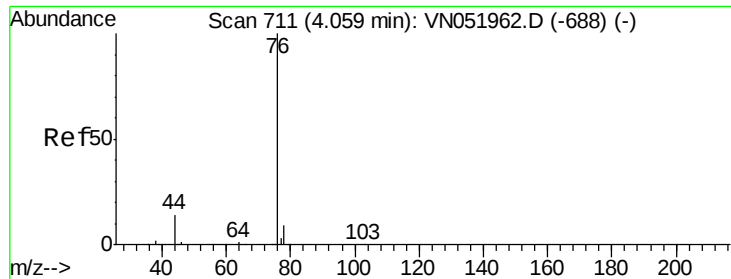
Delta R.T. -0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Tgt Ion:	43	Resp:	168552
Ion	Ratio	Lower	Upper
43	100		
58	35.2	26.7	40.1





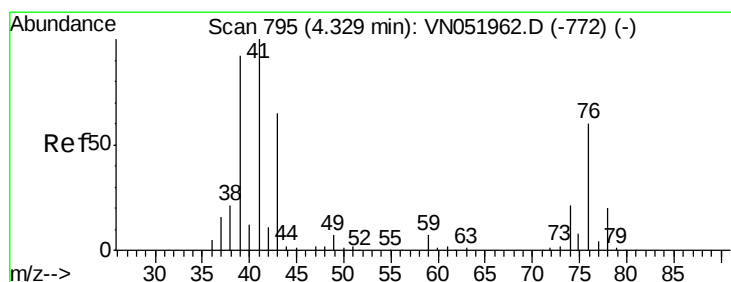
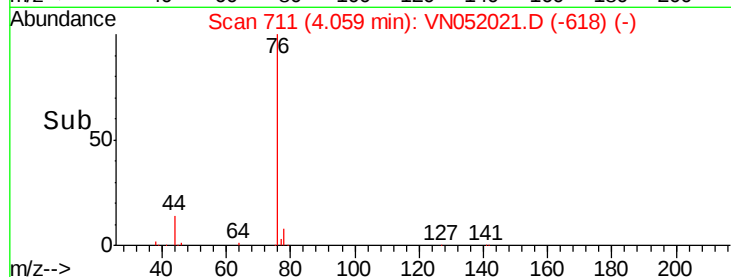
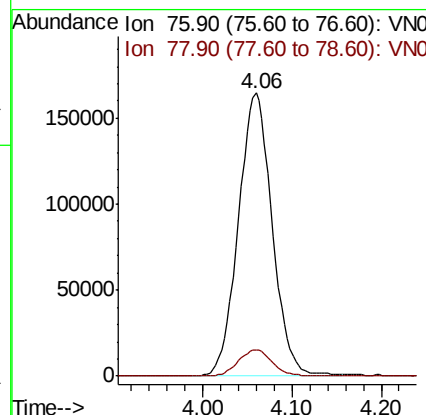
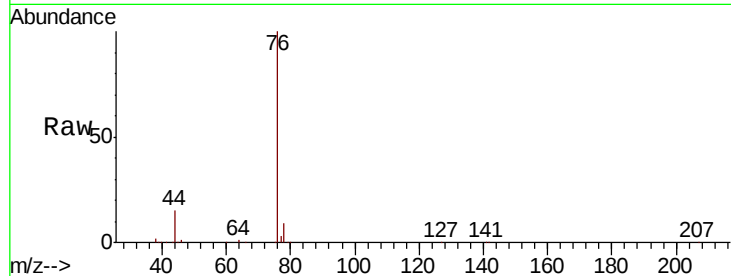
#17
Carbon Disulfide
Concen: 19.475 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion: 76 Resp: 433278
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9

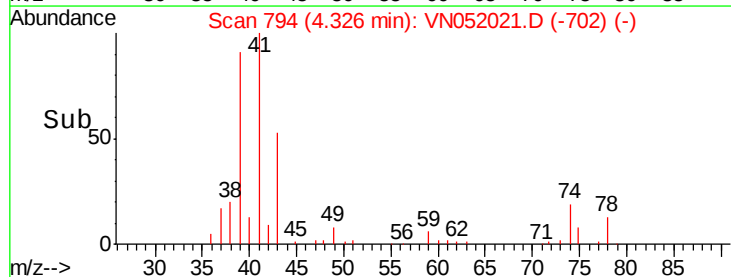
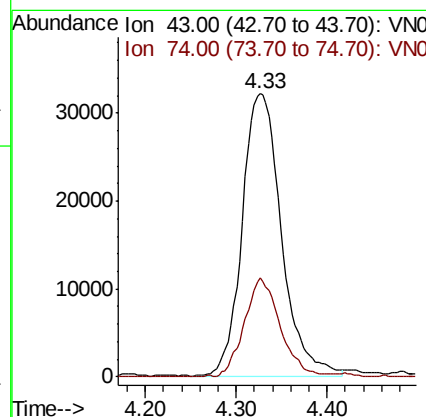
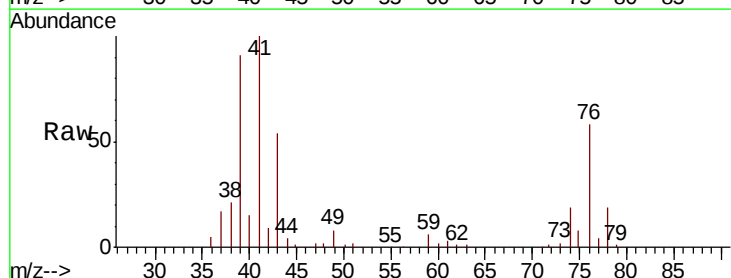
Manual Integrations
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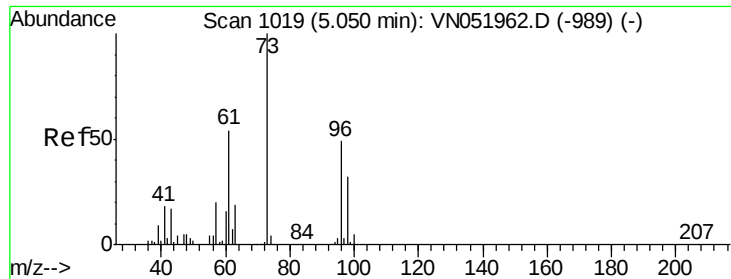
MMDadoda
10/29/2018 3:46:28 PM



#18
Methyl Acetate
Concen: 15.454 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Tgt Ion: 43 Resp: 97117
Ion Ratio Lower Upper
43 100
74 31.6 25.7 38.5





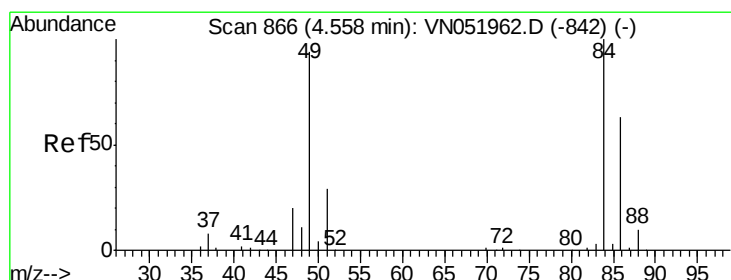
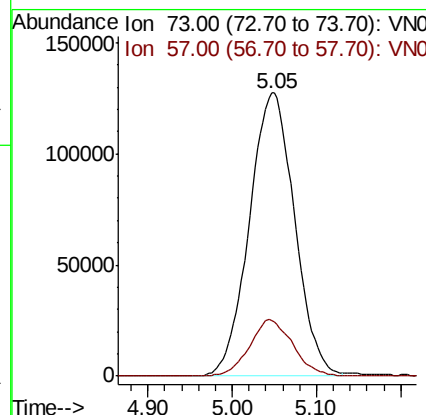
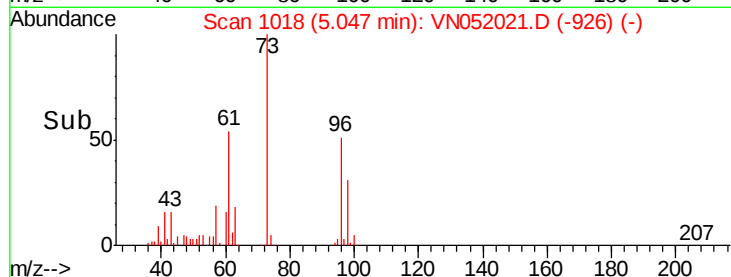
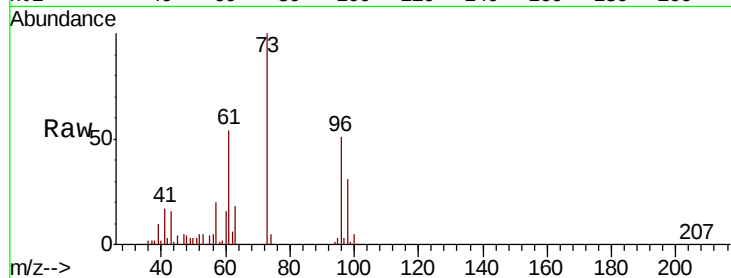
#19
Methyl tert-butyl Ether
Concen: 18.928 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Instrument :
MSVOA_N
ClientSampled :
VN1026WBS01

Tot Ion: 73 Resp: 475623
Ion Ratio Lower Upper
73 100
57 19.7 15.9 23.9

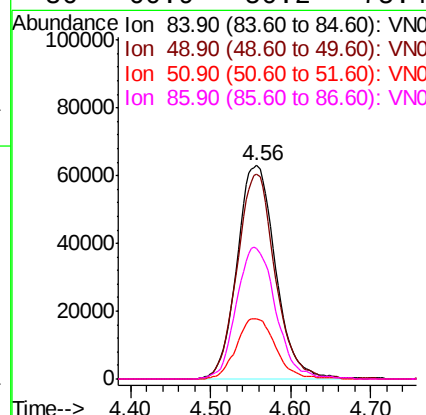
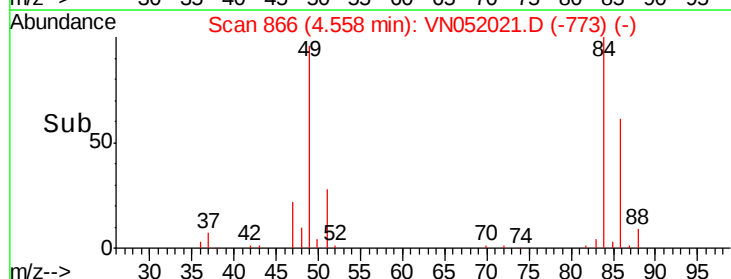
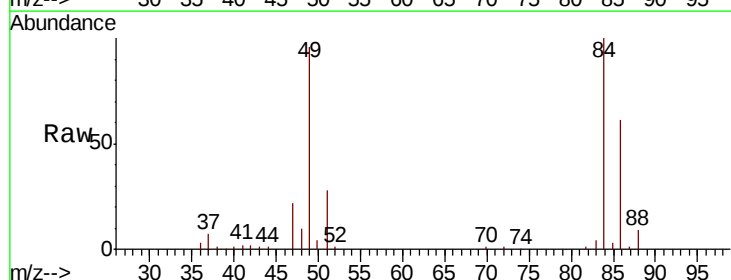
Manual Integrations
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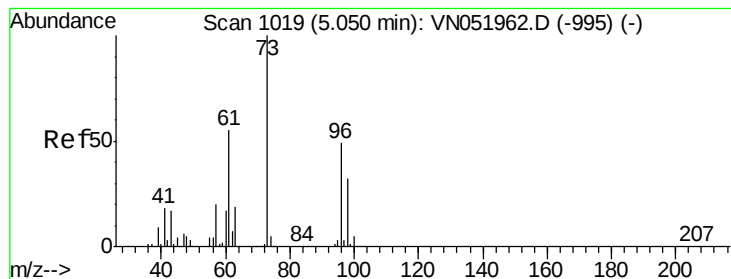
MMDadoda
10/29/2018 3:46:28 PM



#20
Methylene Chloride
Concen: 18.670 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Tgt Ion: 84 Resp: 205456
Ion Ratio Lower Upper
84 100
49 96.1 75.4 113.0
51 28.1 23.1 34.7
86 60.9 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 19.544 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

Tot Ion: 96 Resp: 207158

Ion Ratio Lower Upper

96 100

61 107.3 89.0 133.4

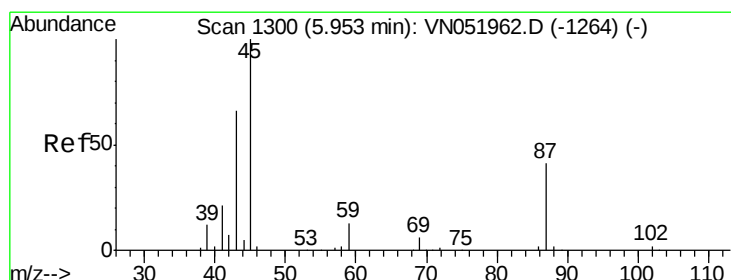
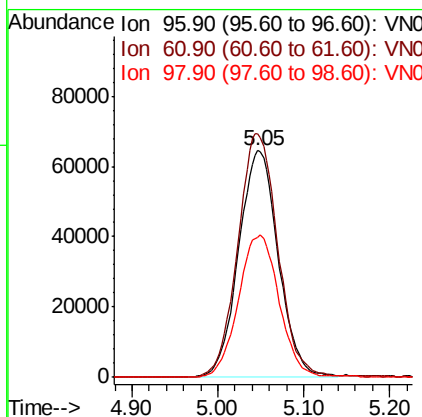
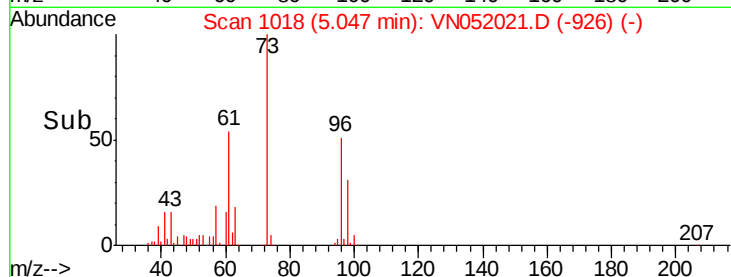
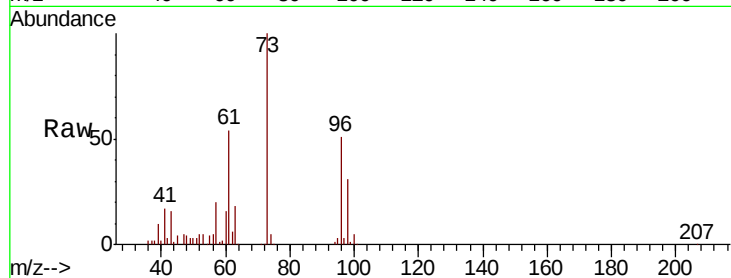
98 62.0 51.8 77.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.169 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Tgt Ion: 45 Resp: 434342

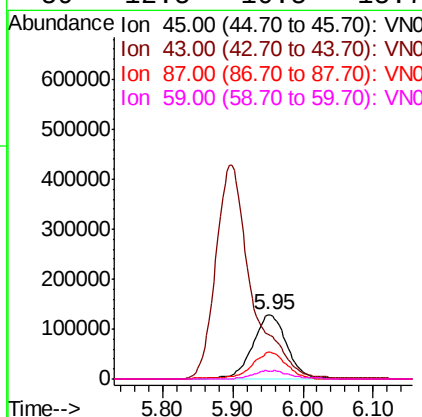
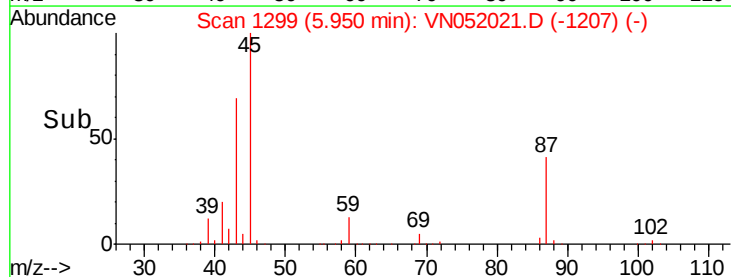
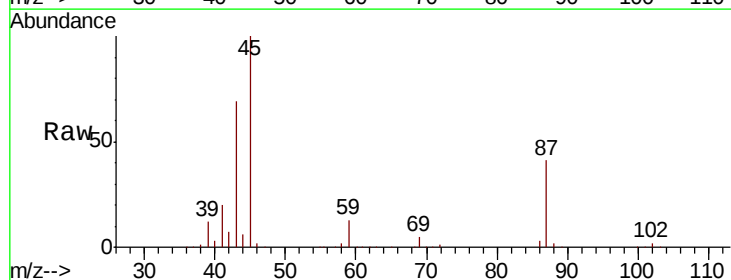
Ion Ratio Lower Upper

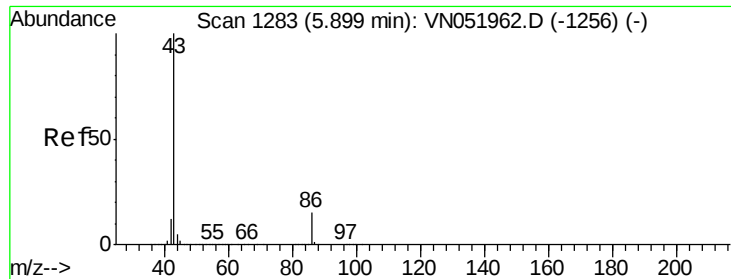
45 100

43 67.3 52.9 79.3

87 40.7 33.4 50.0

59 12.5 10.5 15.7





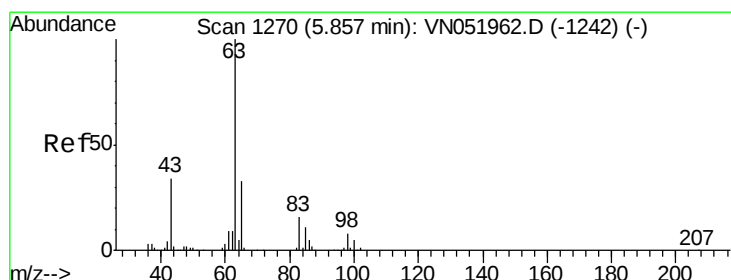
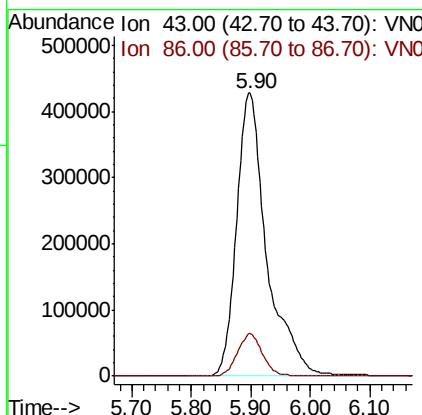
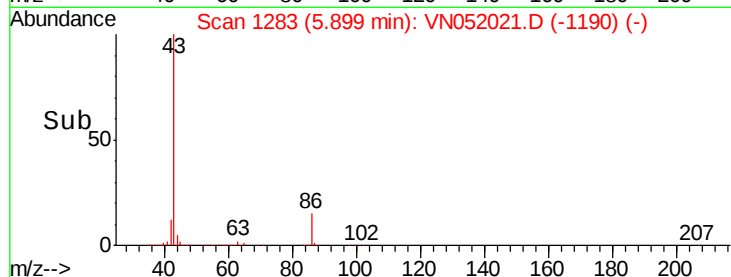
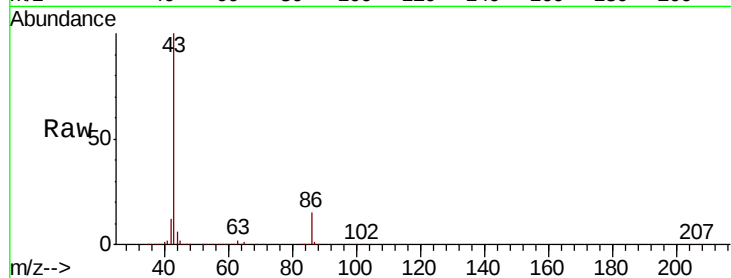
#23
 Vinyl Acetate
 Concen: 97.901 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBS01

Tot Ion: 43 Resp: 1509031
 Ion Ratio Lower Upper
 43 100
 86 15.2 11.9 17.9

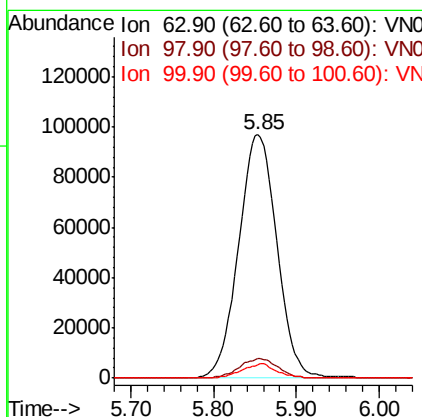
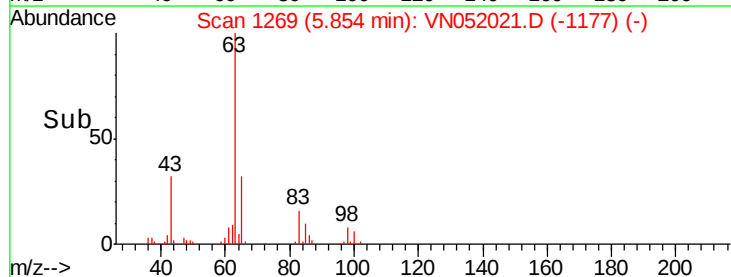
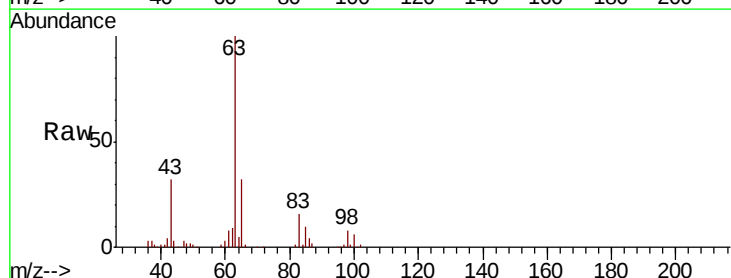
Manual Integrations
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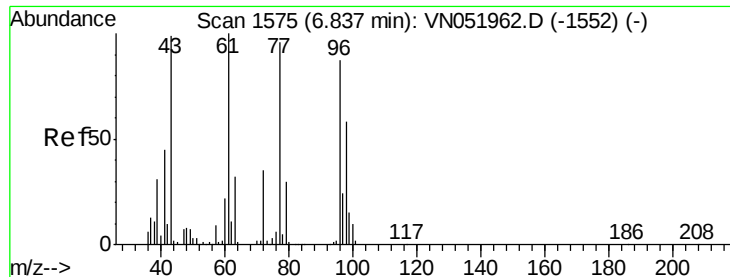
MMDadoda
 10/29/2018 3:46:28 PM



#24
 1,1-Dichloroethane
 Concen: 18.803 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Tgt Ion: 63 Resp: 311046
 Ion Ratio Lower Upper
 63 100
 98 7.9 3.9 11.7
 100 5.6 2.6 8.0





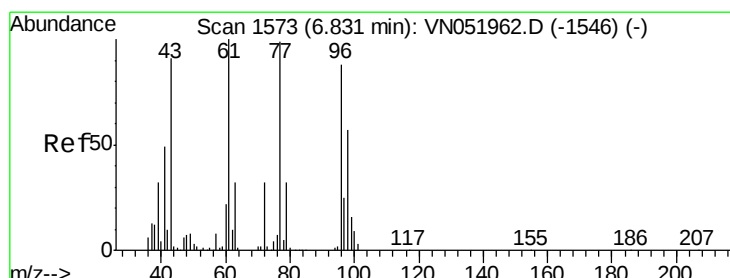
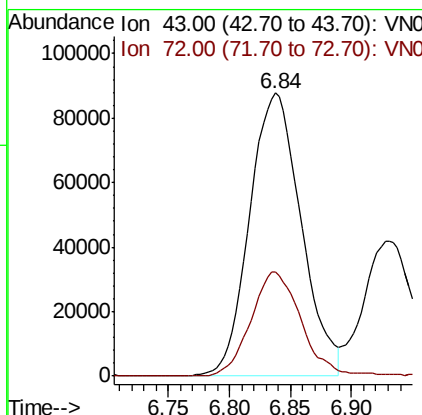
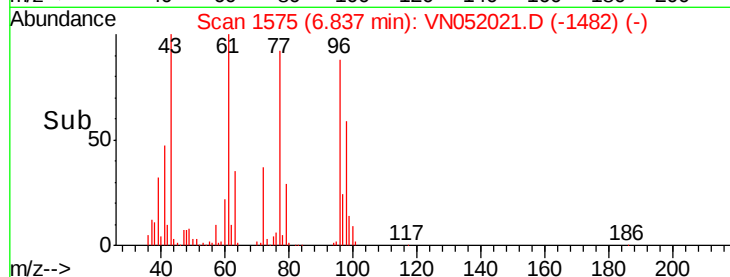
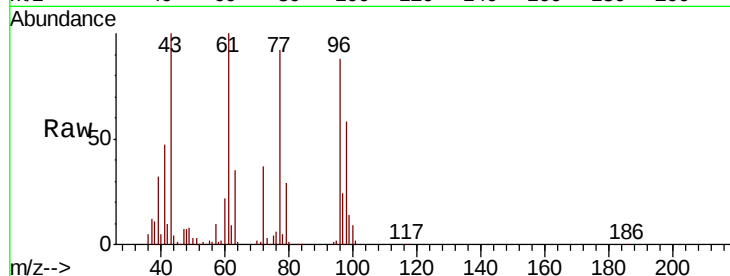
#25
2-Butanone
Concen: 95.935 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
72	37.1	28.5	42.7

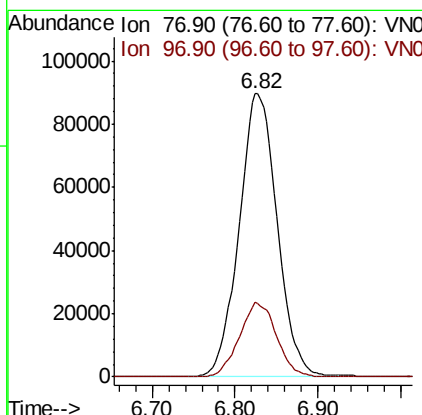
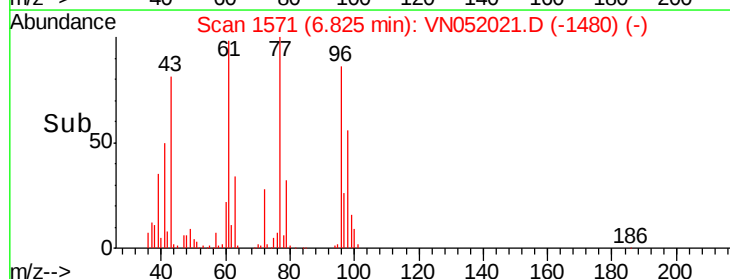
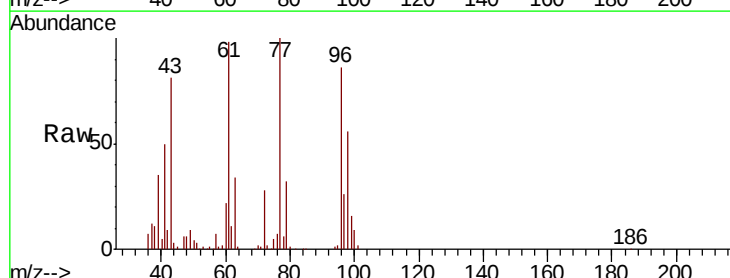
Manual Integrations
APPROVED

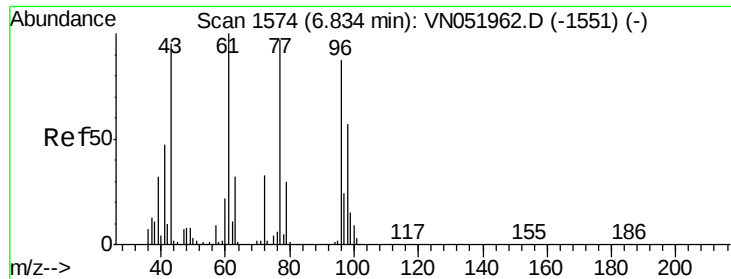
MMDadoda
10/29/2018 3:46:28 PM



#26
2,2-Dichloropropane
Concen: 18.932 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.01 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Tgt Ion	Ratio	Lower	Upper
77	100		
97	25.5	12.6	37.6





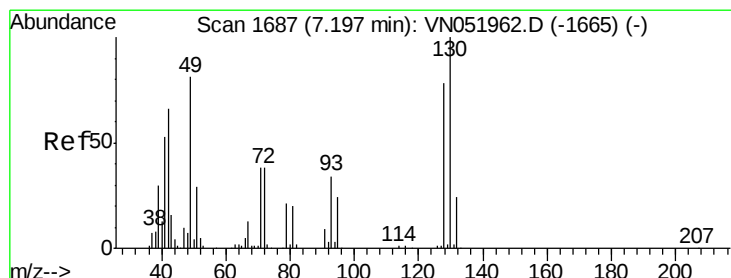
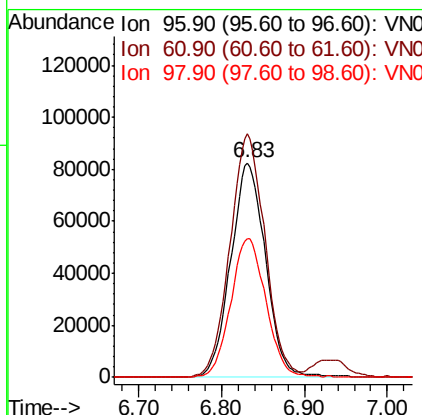
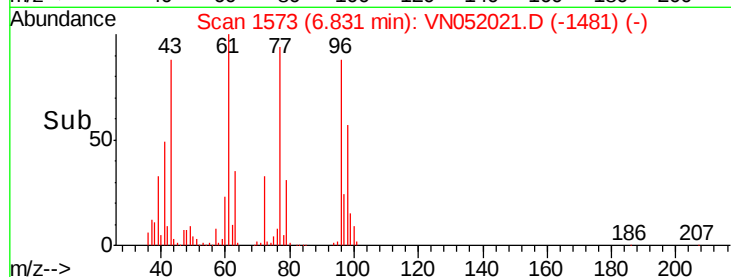
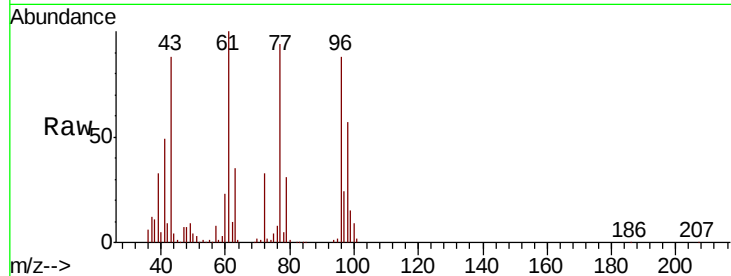
#27
 cis-1,2-Dichloroethene
 Concen: 19.420 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	240465		
61	114.2	0.0	234.4	
98	65.4	0.0	131.6	

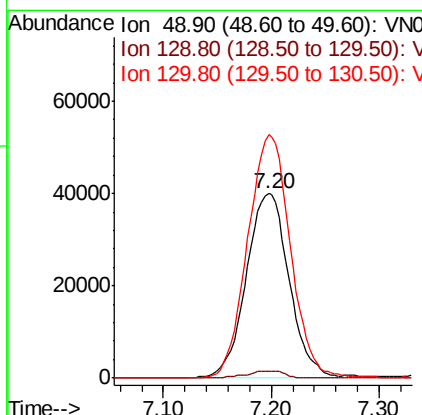
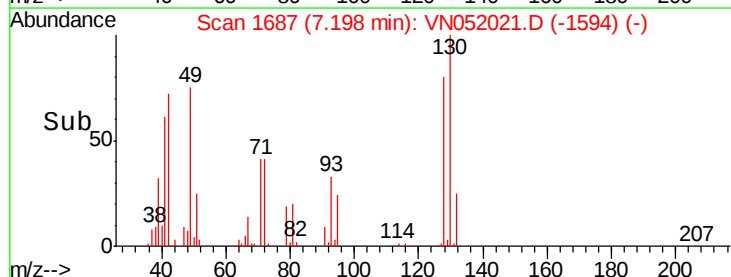
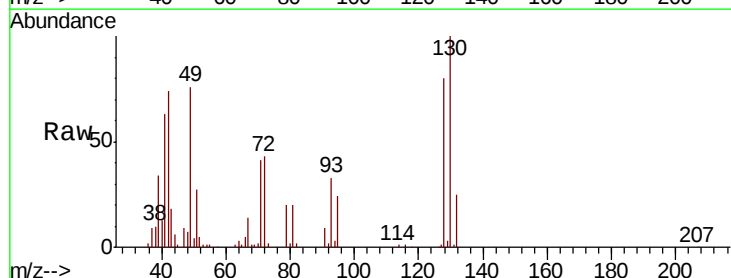
Manual Integrations
 APPROVED

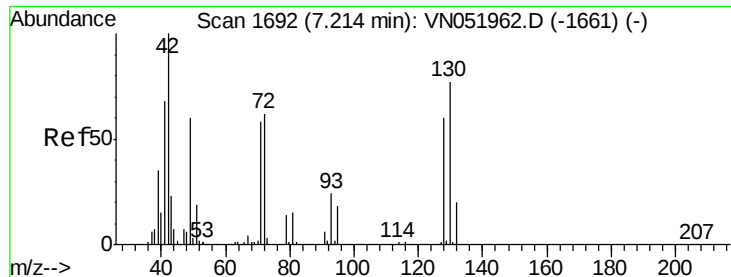
MMDadoda
 10/29/2018 3:46:28 PM



#28
 Bromochloromethane
 Concen: 16.523 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	110164		
129	2.1	0.0	5.4	
130	131.5	97.0	145.6	





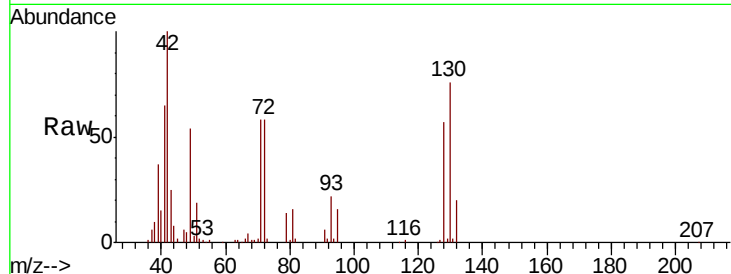
#29
Tetrahydrofuran
Concen: 89.992 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

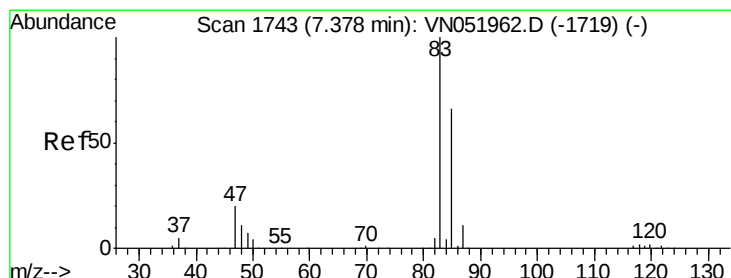
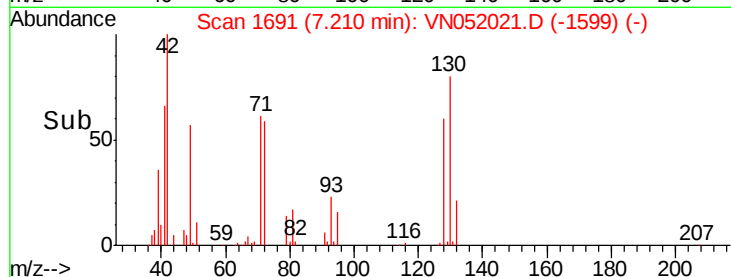
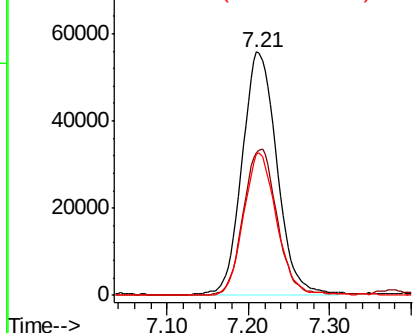
Tot Ion	Ratio	Lower	Upper
42	100		
72	58.6	47.5	71.3
71	56.0	45.4	68.2

Manual Integrations
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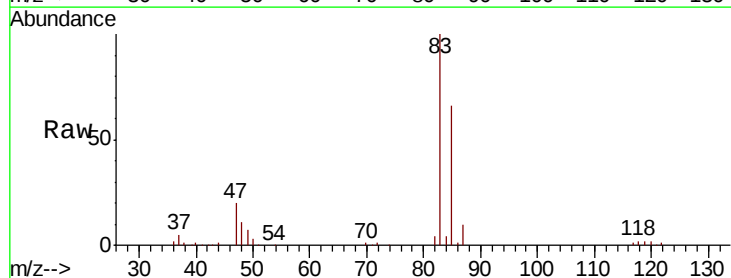


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

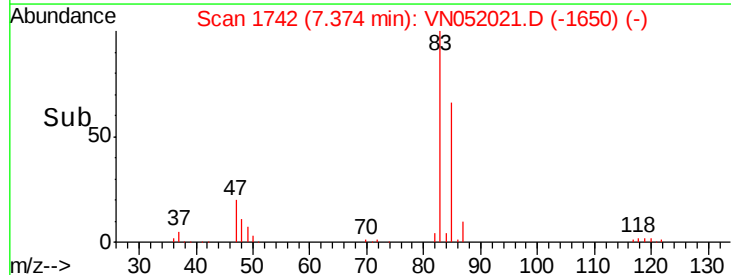
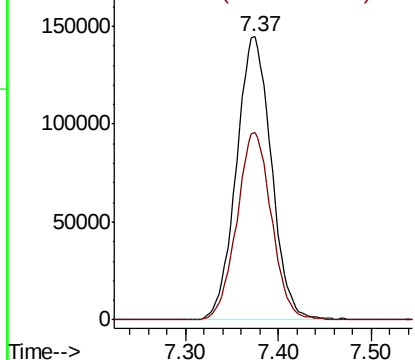


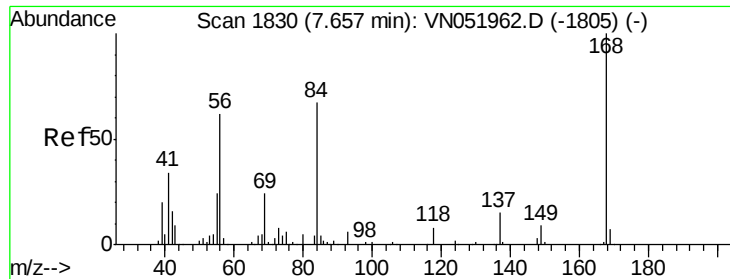
#30
Chloroform
Concen: 18.779 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.8	79.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





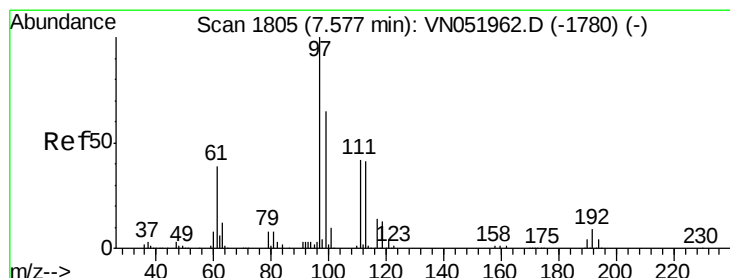
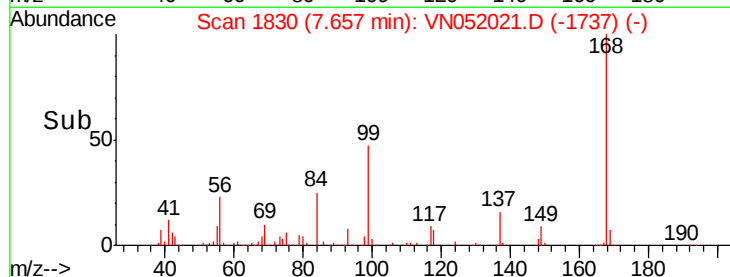
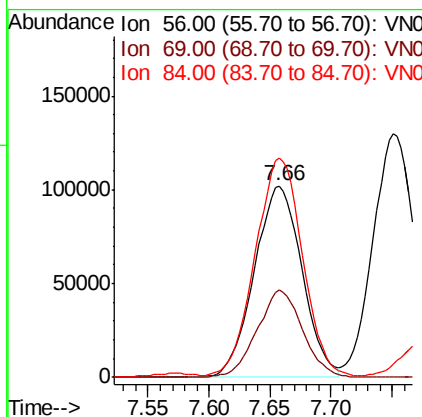
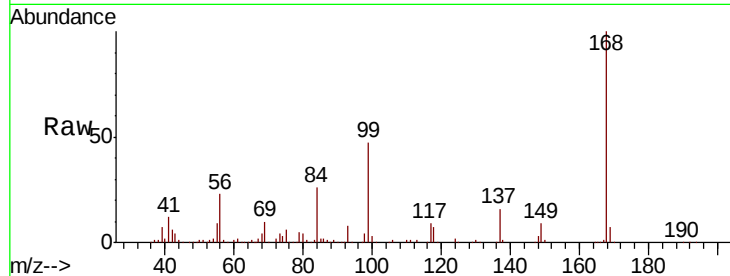
#31
Cyclohexane
Concen: 19.289 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	45.7	31.2	46.8
84	112.9	86.3	129.5

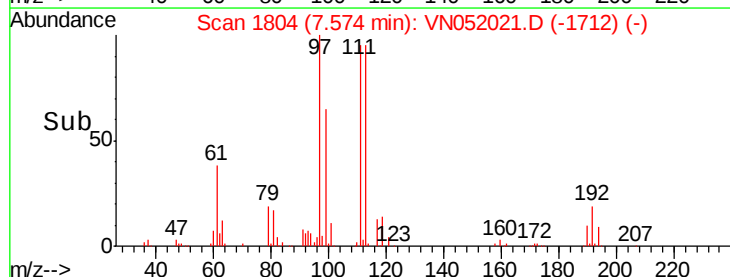
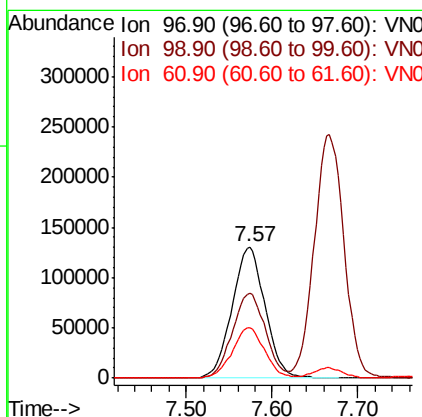
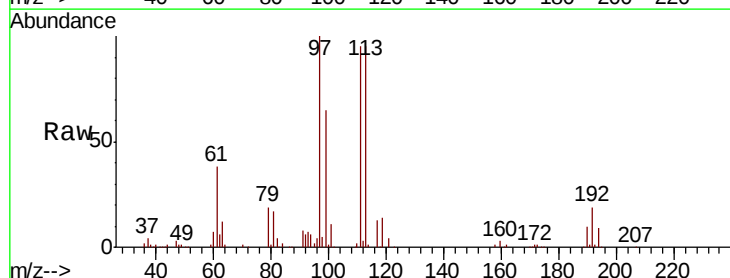
Manual Integrations
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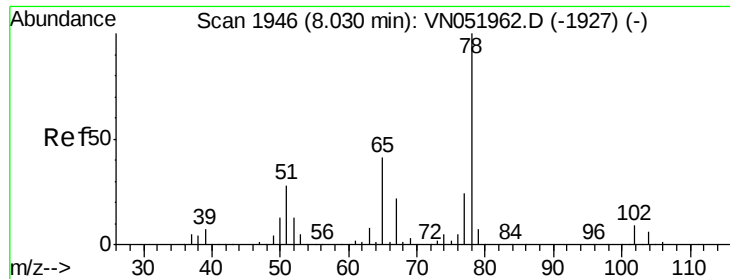
MMDadoda
10/29/2018 3:46:28 PM



#32
1,1,1-Trichloroethane
Concen: 18.849 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.5	77.3
61	37.7	30.1	45.1





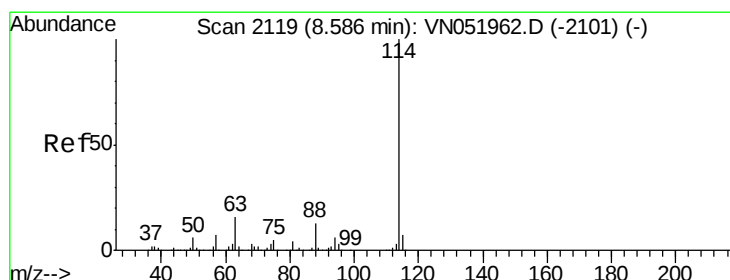
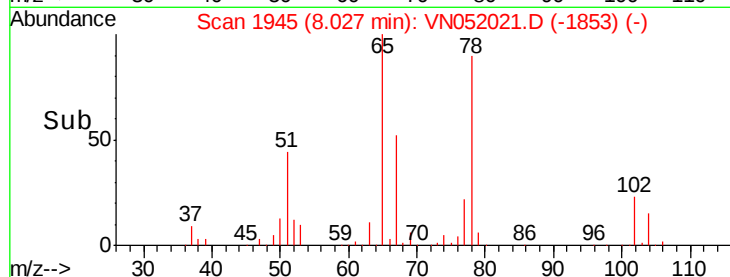
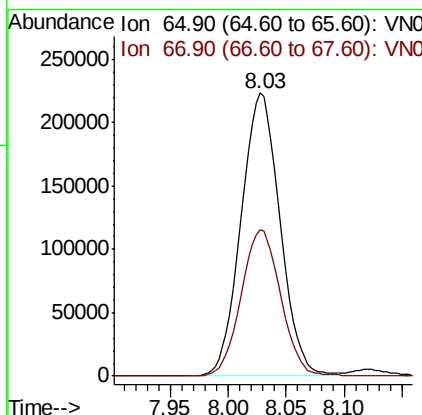
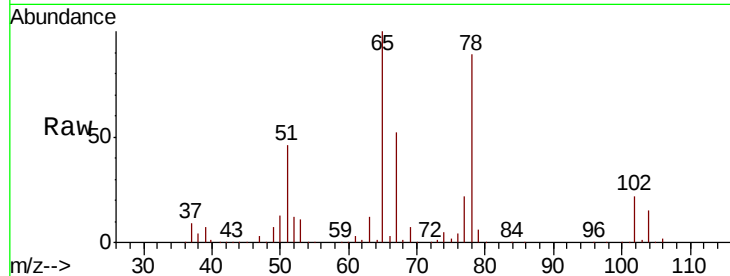
#33
 1,2-Dichloroethane-d4
 Concen: 18.849 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	522436		
67	52.5	0.0	105.8	

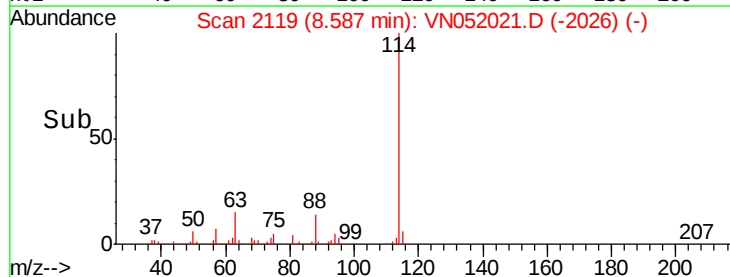
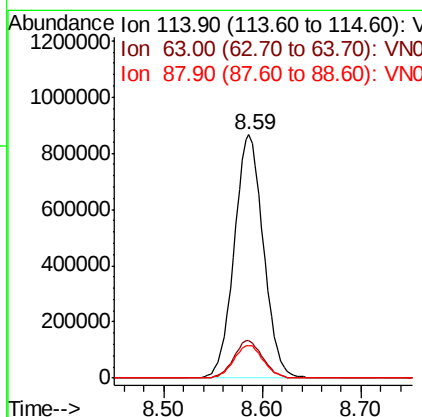
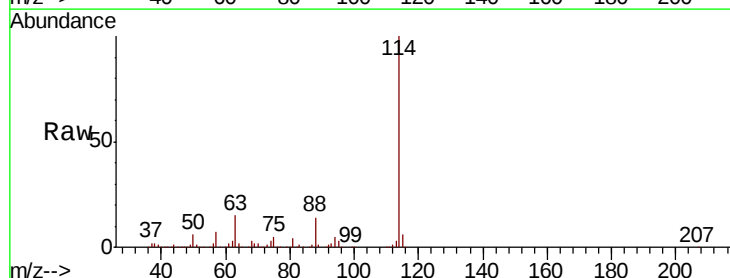
Manual Integrations
 APPROVED

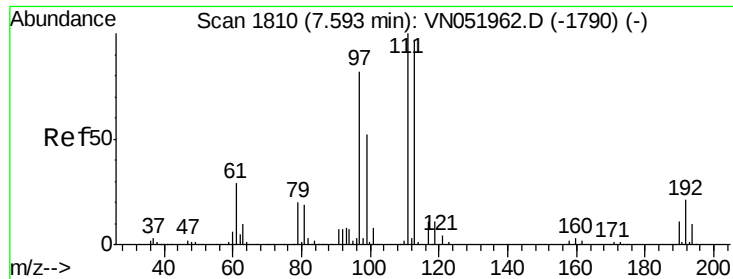
MMDadoda
 10/29/2018 3:46:28 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1777297		
63	15.2	0.0	31.2	
88	13.5	0.0	27.0	





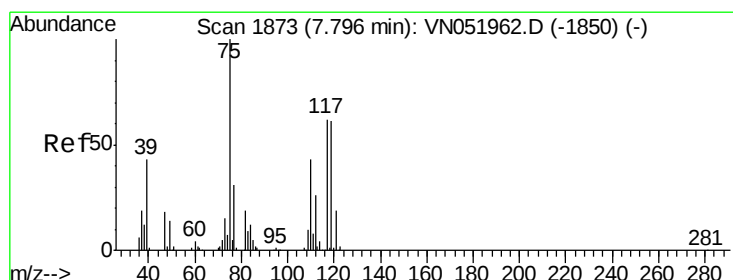
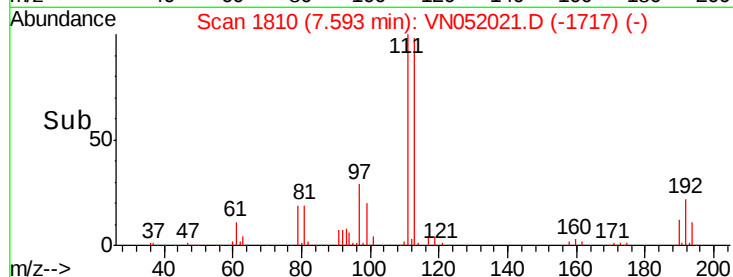
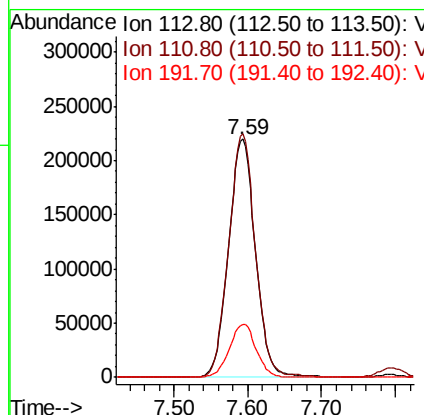
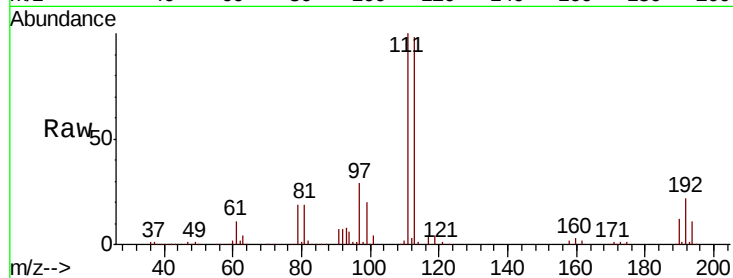
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.4	80.7	121.1	
192	22.3	17.2	25.8	

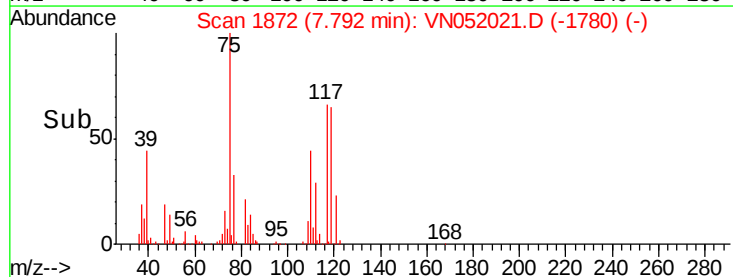
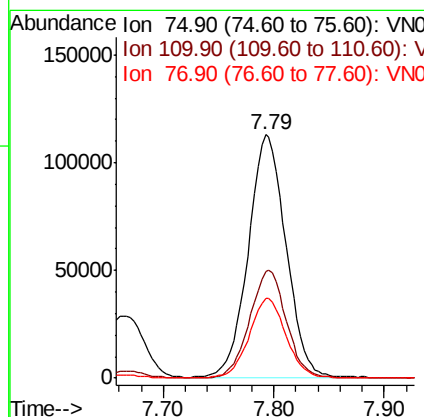
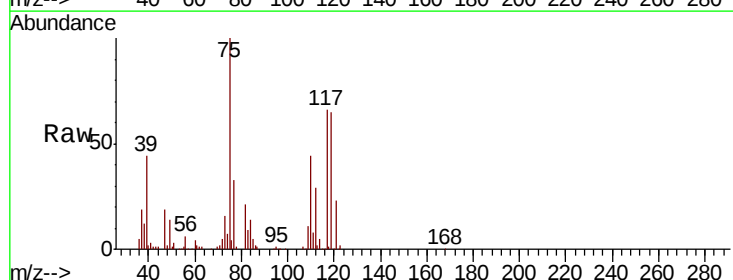
Manual Integrations
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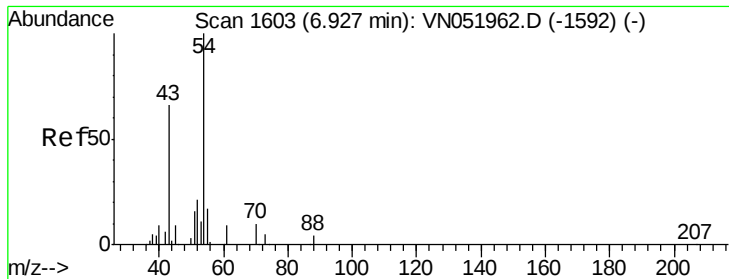
MMDadoda
10/29/2018 3:46:28 PM



#36
1,1-Dichloropropene
Concen: 19.529 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	43.5	20.9	62.8	
77	32.4	24.9	37.3	





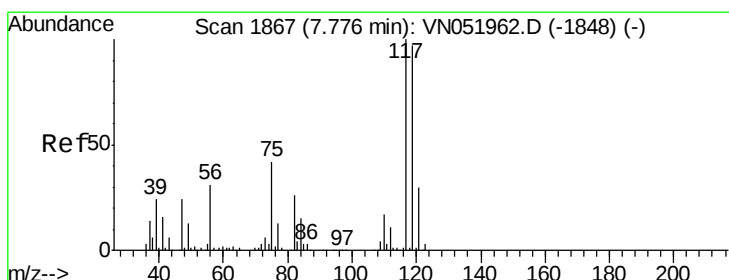
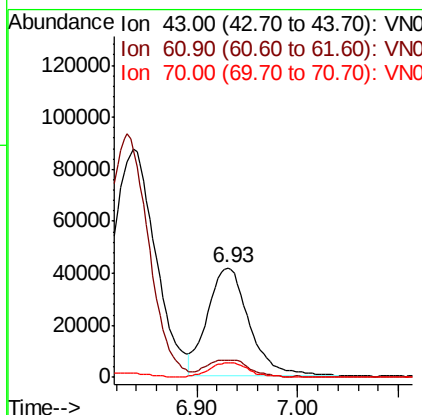
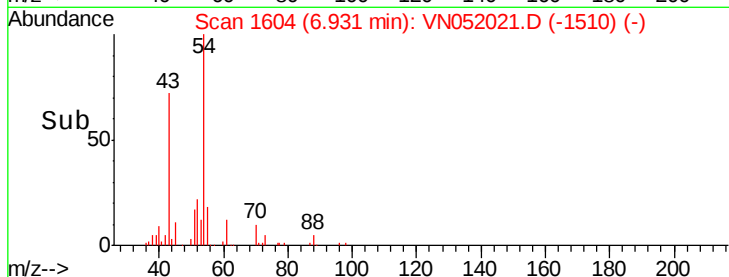
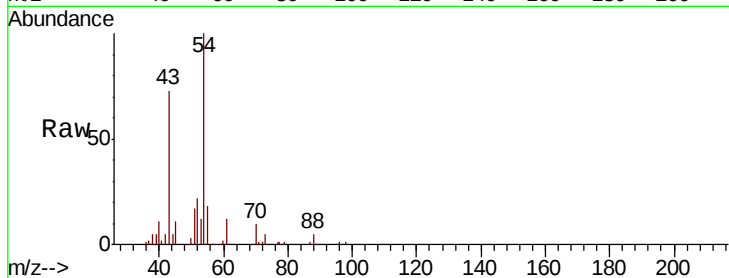
#37
Ethyl Acetate
Concen: 18.408 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	13.5	20.3
70	13.0	9.8	14.6

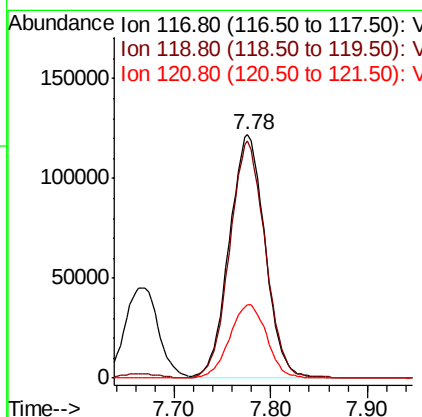
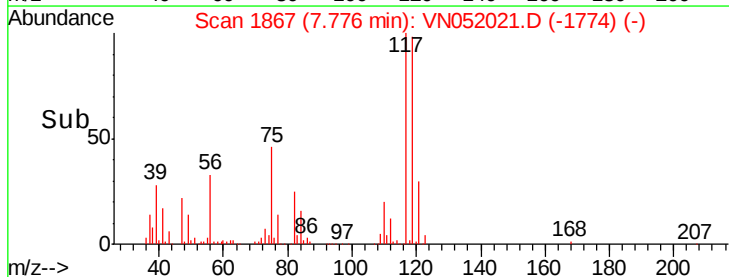
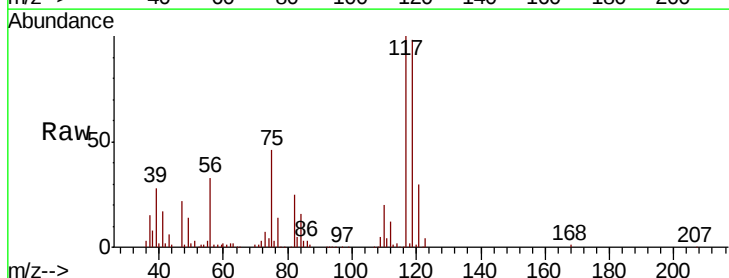
Manual Integrations
APPROVED

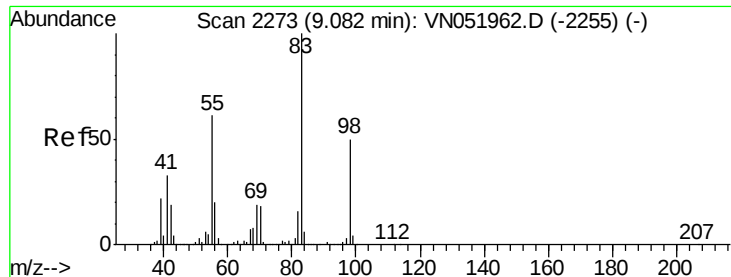
MMDadoda
10/29/2018 3:46:28 PM



#38
Carbon Tetrachloride
Concen: 19.964 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	77.4	116.0
121	30.4	24.2	36.4





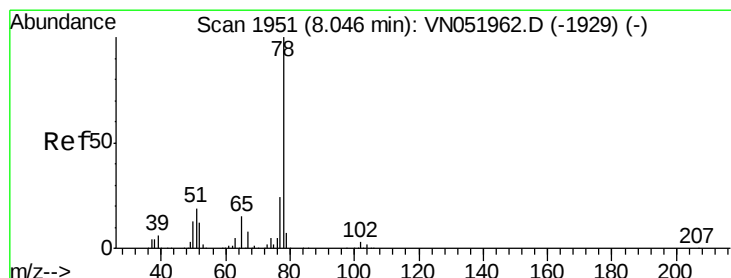
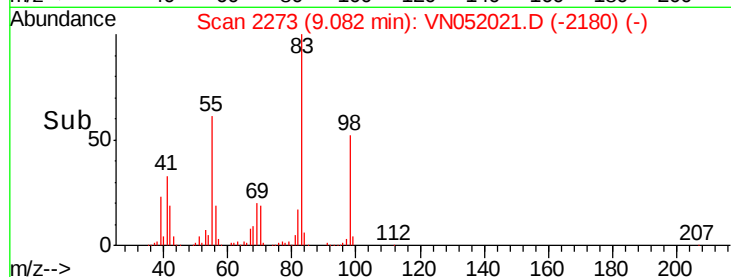
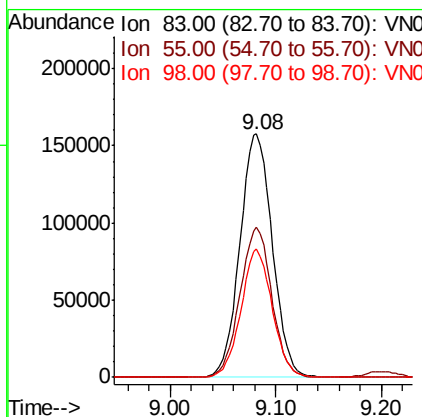
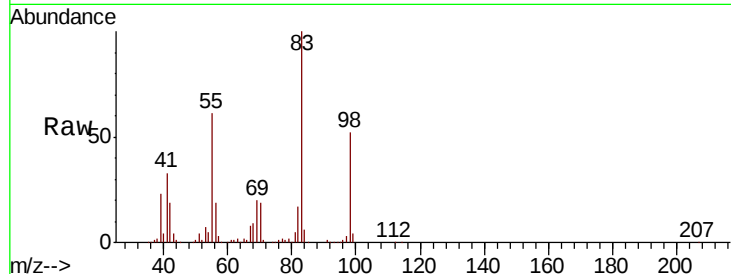
#39
Methvlcvclohexane
Concen: 20.267 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	61.5	48.9	73.3	
98	52.5	40.2	60.2	

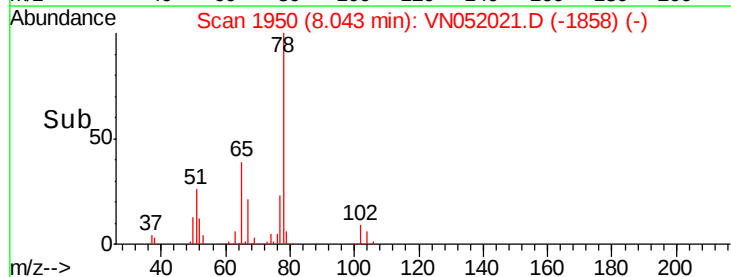
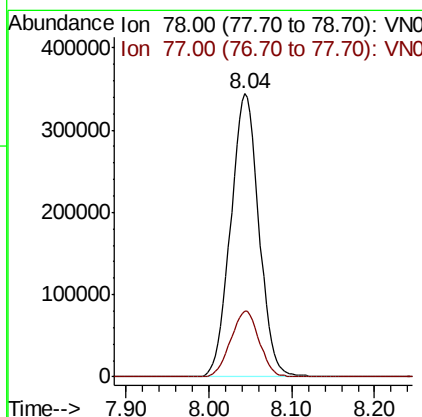
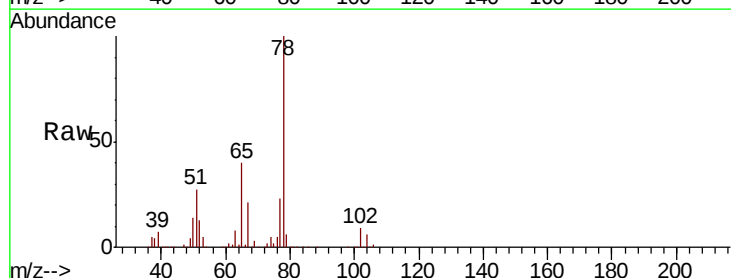
Manual Integrations
APPROVED

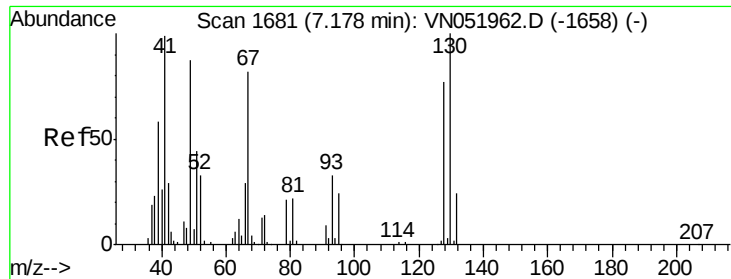
MMDadoda
10/29/2018 3:46:28 PM



#40
Benzene
Concen: 20.198 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.2	19.4	29.0	





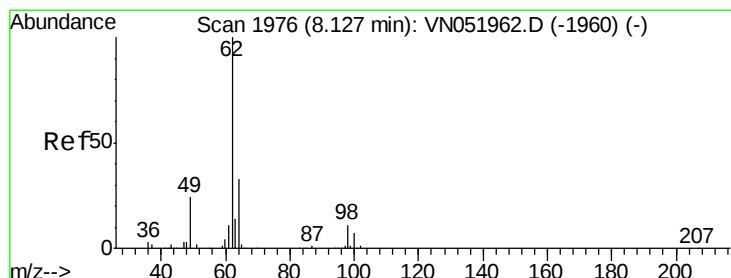
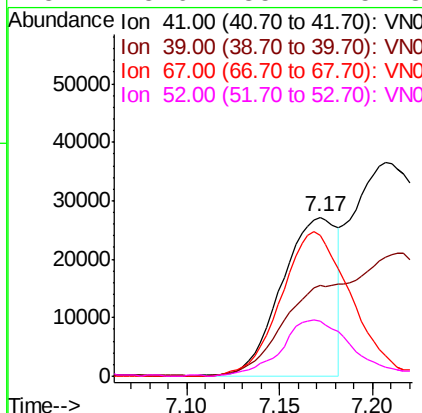
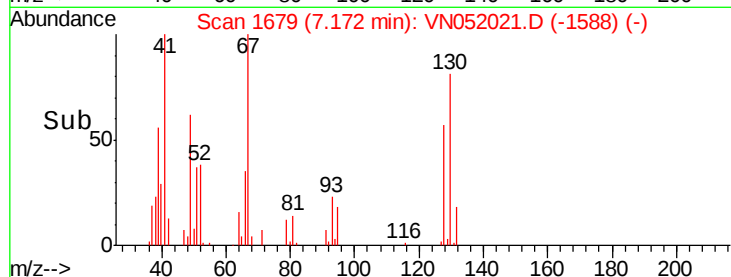
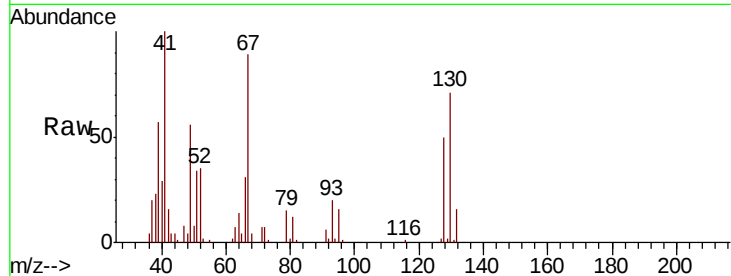
#41
Methacrylonitrile
Concen: 18.388 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.1	79.7#
67	116.6	93.8	140.6
52	45.6	35.2	52.8

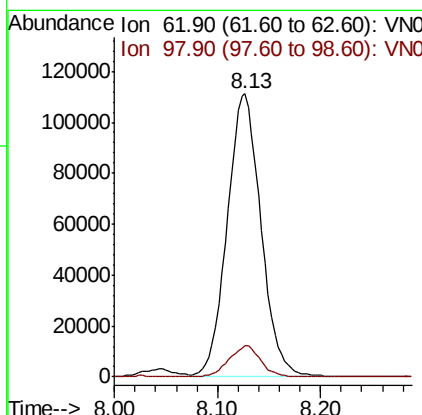
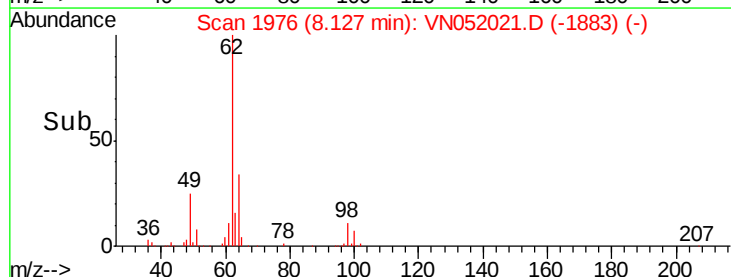
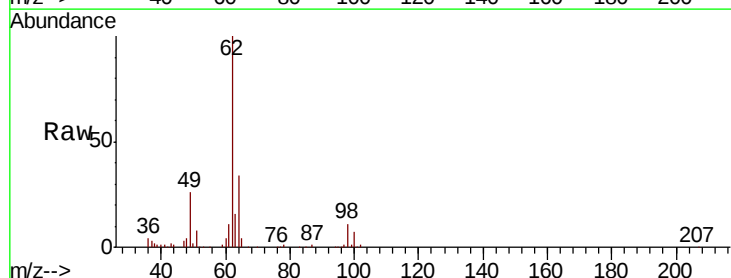
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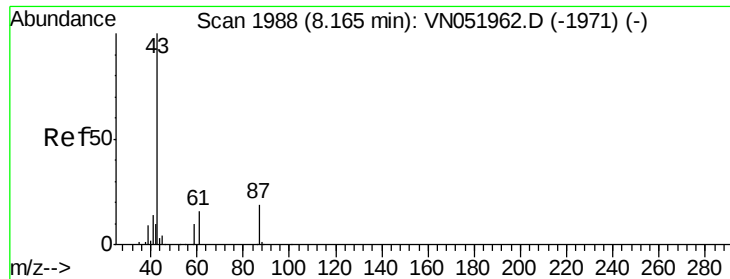
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.453 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.6





#43

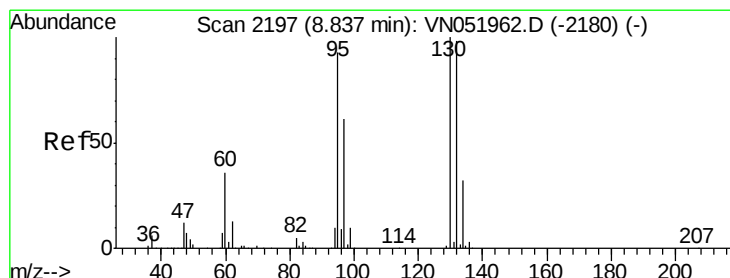
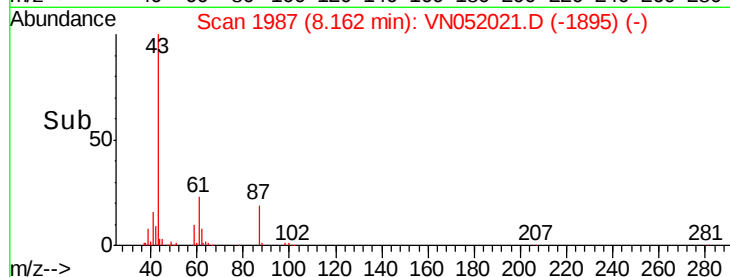
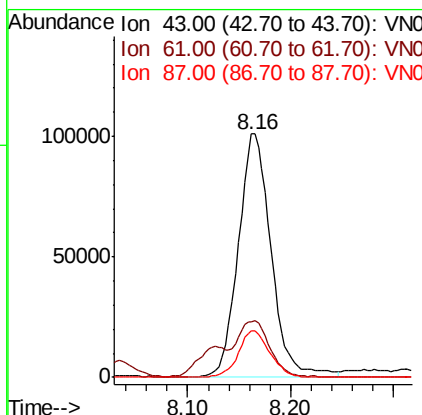
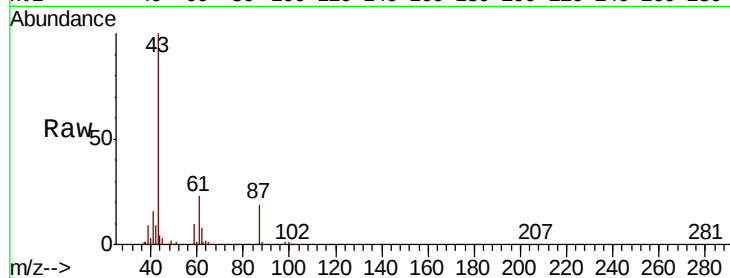
Isopropyl Acetate
 Concen: 19.530 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBS01

Tot Ion	43	Resp	222986
Ion	Ratio	Lower	Upper
43	100		
61	22.4	17.2	25.8
87	18.4	15.2	22.8

Manual Integrations
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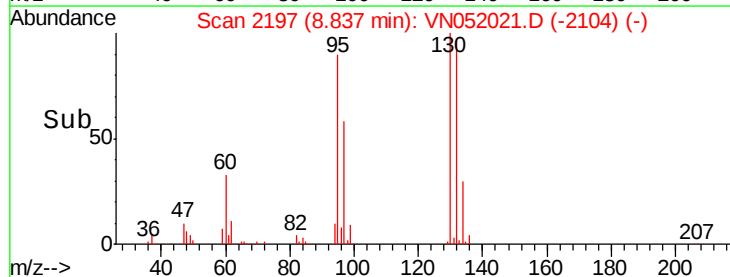
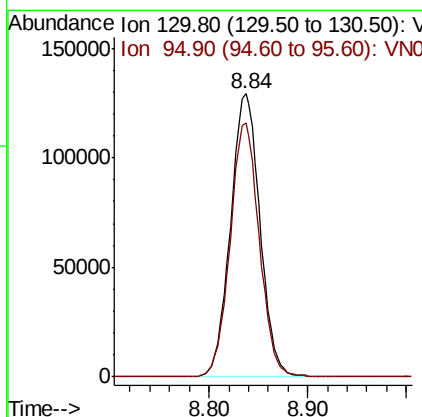
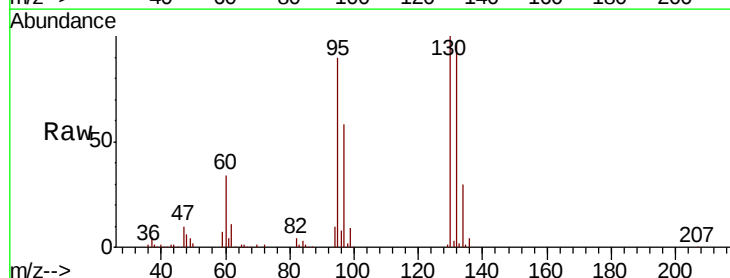
MMDadoda
 10/29/2018 3:46:28 PM

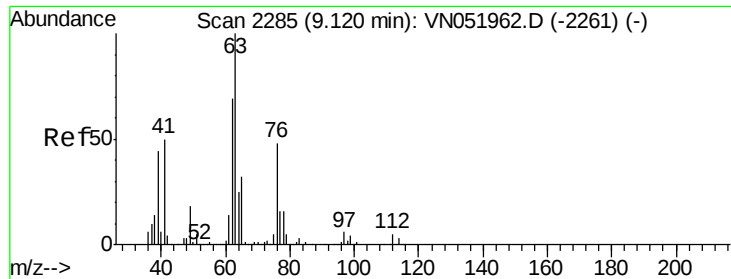


#44

Trichloroethene
 Concen: 20.679 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Tgt Ion	130	Resp	268680
Ion	Ratio	Lower	Upper
130	100		
95	89.9	0.0	185.2





#45

1,2-Dichloropropane

Concen: 20.274 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

Tot Ion: 63 Resp: 185653

Ion Ratio Lower Upper

63 100

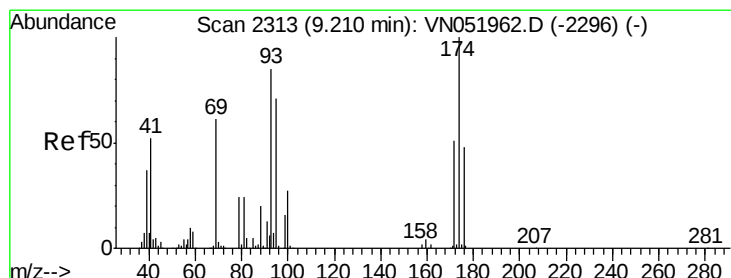
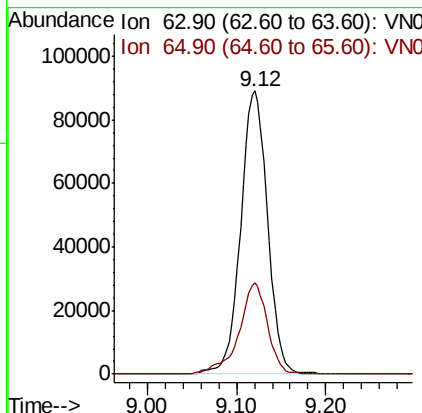
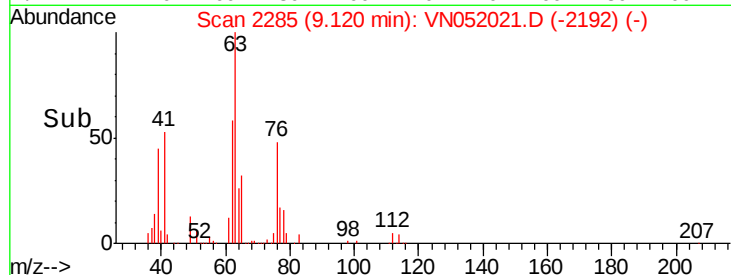
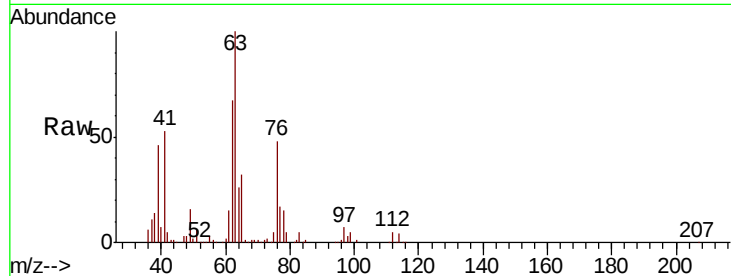
65 32.3 25.8 38.6

Manual Integrations

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#46

Dibromomethane

Concen: 19.368 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

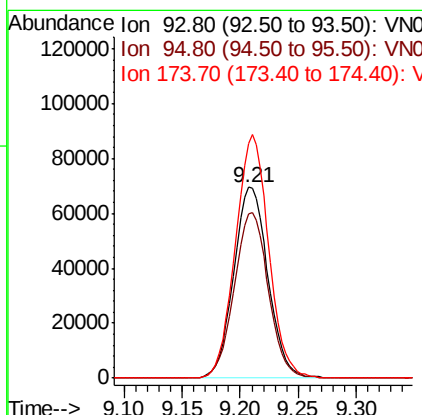
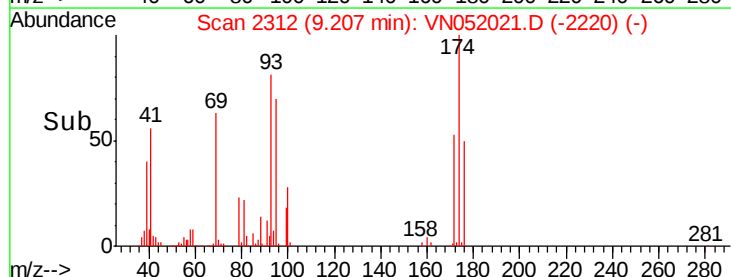
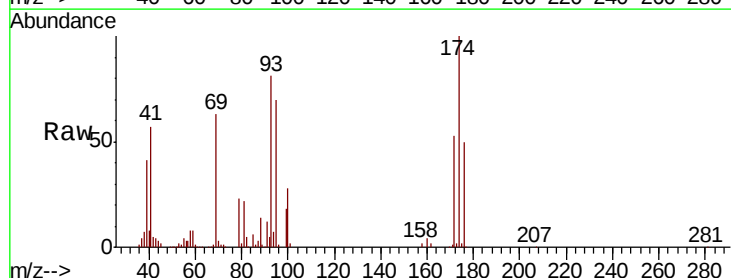
Tgt Ion: 93 Resp: 142963

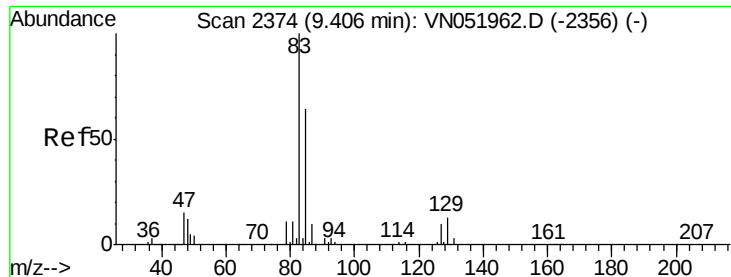
Ion Ratio Lower Upper

93 100

95 86.2 66.7 100.1

174 123.5 93.8 140.6





#47

Bromodichloromethane

Concen: 19.420 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

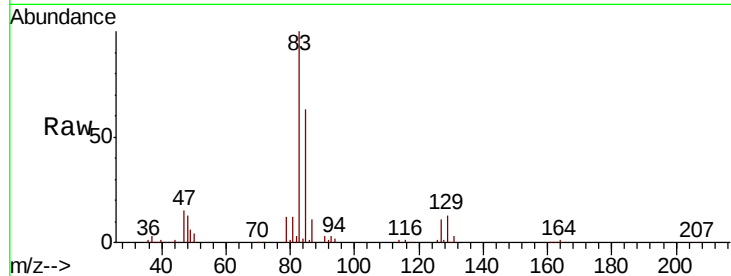
ClientSampleId :

VN1026WBS01

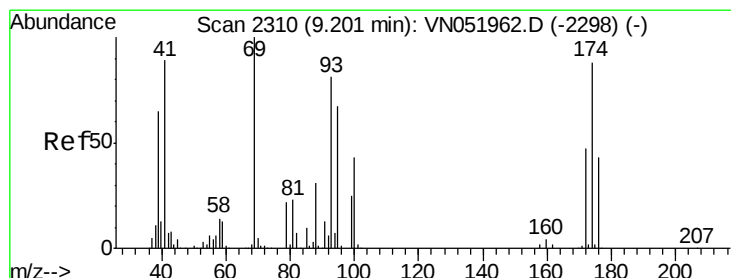
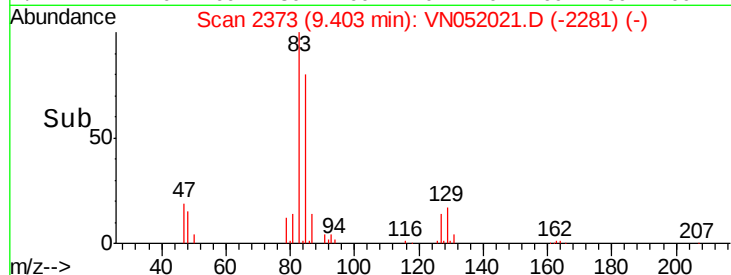
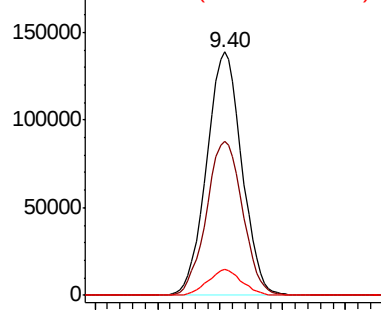
Tot Ion:	83	Resp:	270725
Ion Ratio	Lower	Upper	
83	100		
85	63.4	51.0	76.4
127	10.7	7.8	11.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN052021.D (-2281) (-)



#48

Methyl methacrylate

Concen: 19.193 ug/l

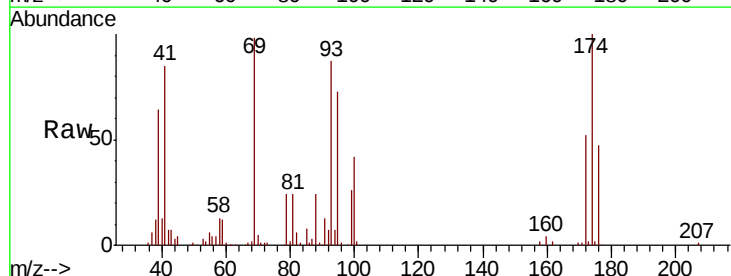
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

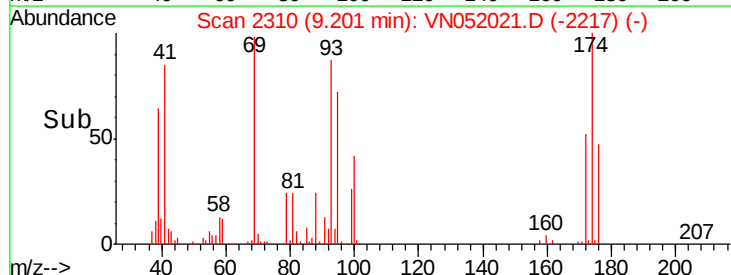
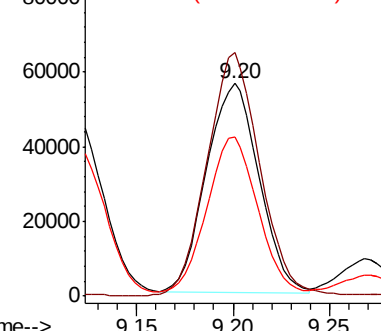
Lab File: VN052021.D

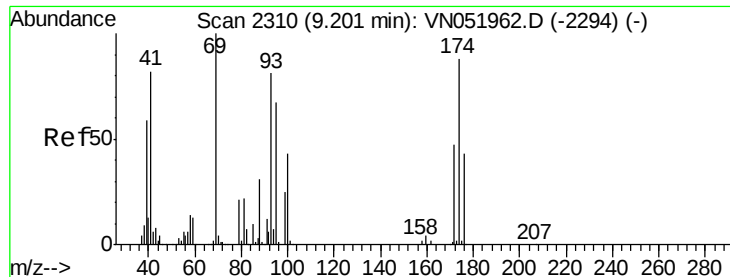
Acq: 26 Oct 2018 12:06

Tgt Ion:	41	Resp:	105923
Ion Ratio	Lower	Upper	
41	100		
69	116.4	92.2	138.4
39	74.7	60.2	90.4



Abundance Ion 41.00 (40.70 to 41.70): VN052021.D (-2217) (-)





#49

1,4-Dioxane

Concen: 324.456 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

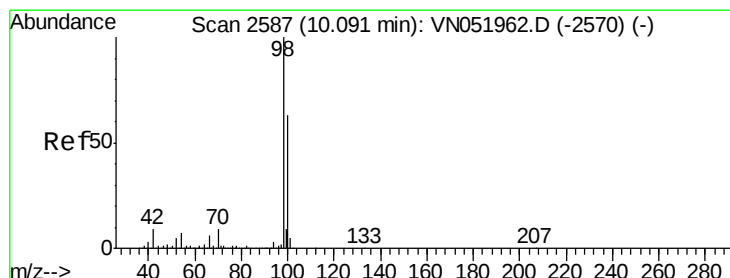
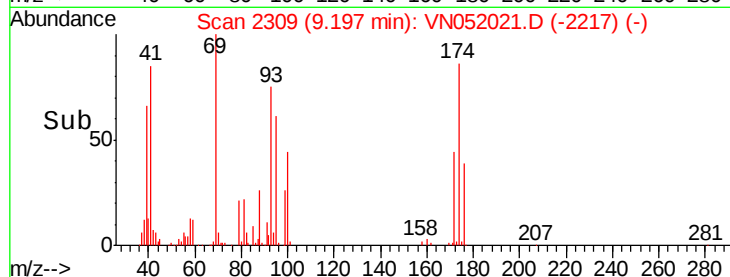
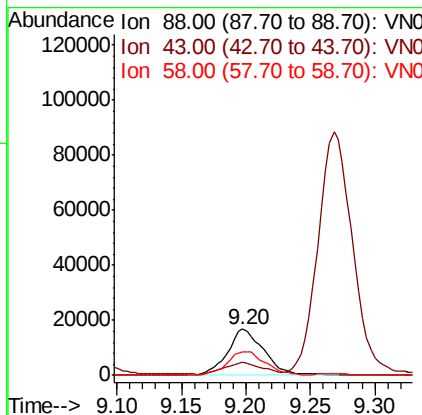
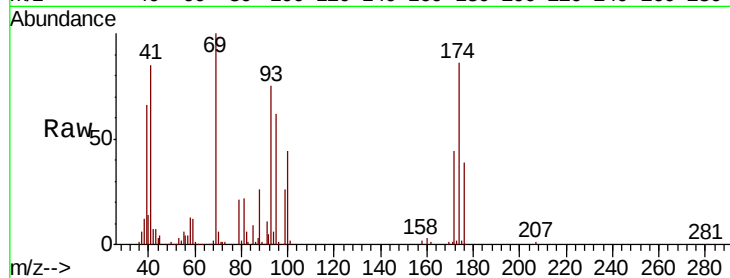
ClientSampleId :

VN1026WBS01

Tot Ion:	88	Resp:	32833
Ion	Ratio	Lower	Upper
88	100		
43	25.6	18.8	28.2
58	54.7	39.8	59.6

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#50

Toluene-d8

Concen: 324.456 ug/l

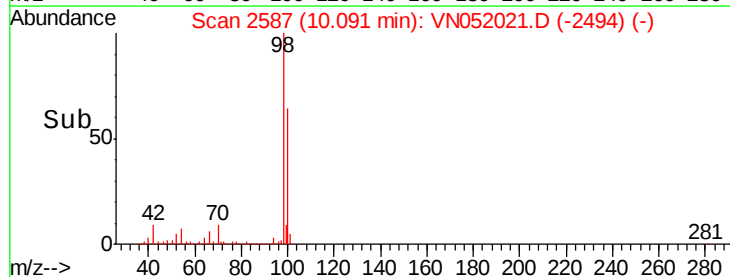
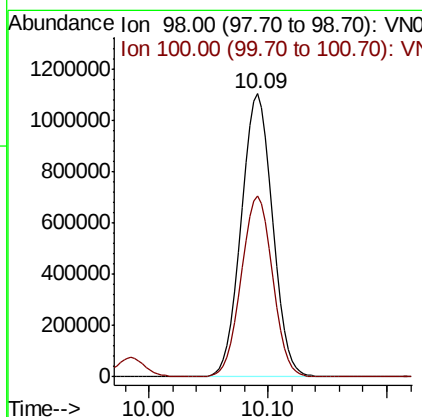
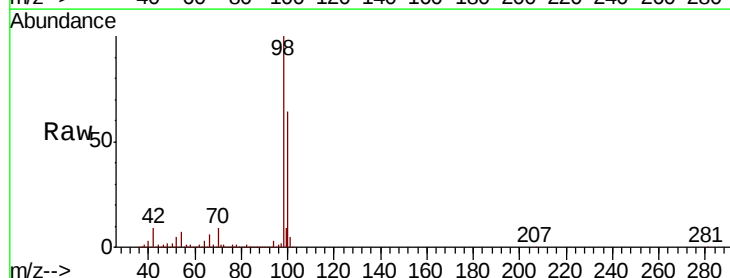
RT: 10.09 min Scan# 2587

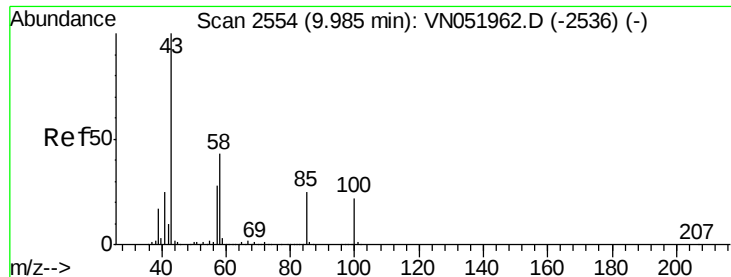
Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Tgt Ion:	98	Resp:	2016679
Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.7	76.1





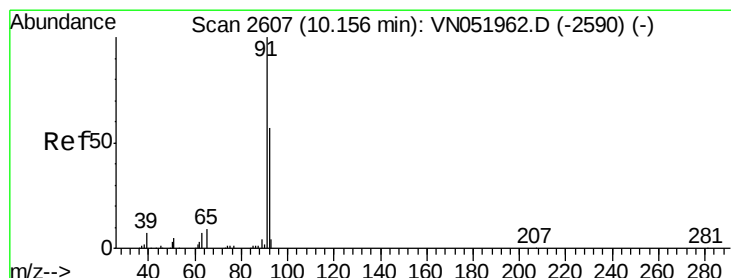
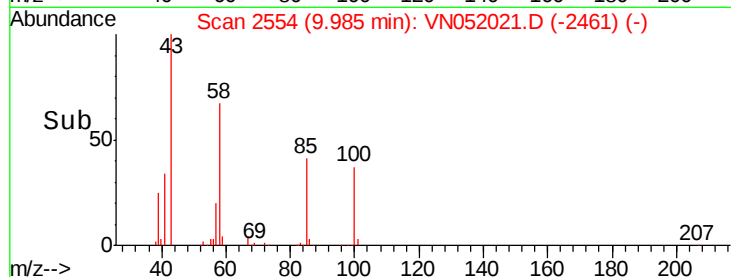
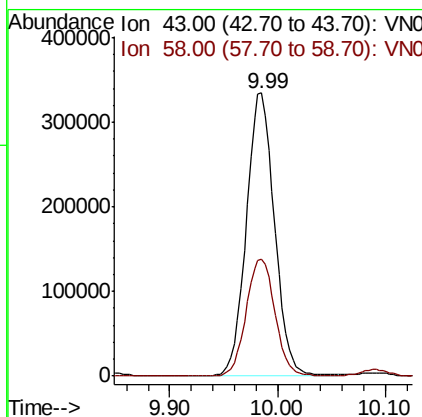
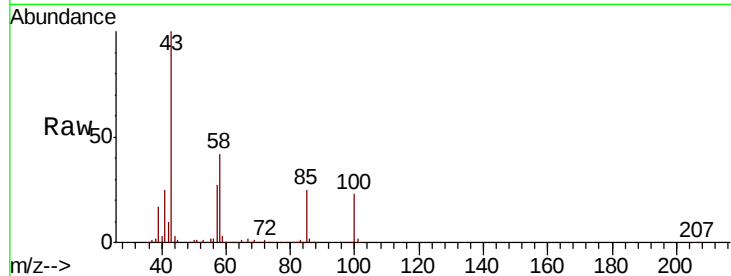
#51
4-Methyl-2-Pentanone
Concen: 96.351 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.4	34.8	52.2

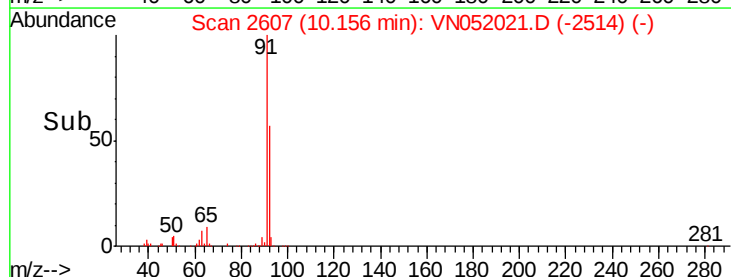
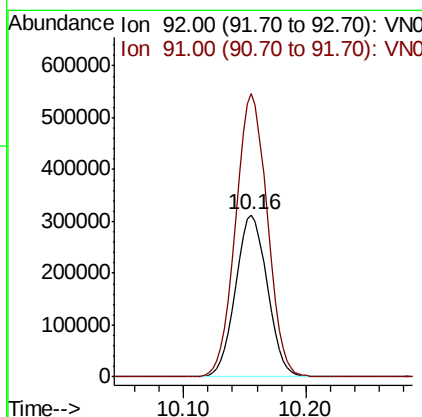
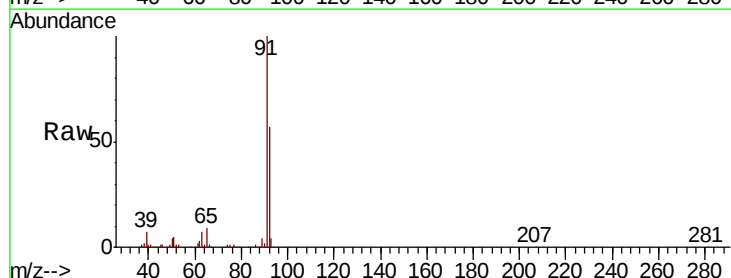
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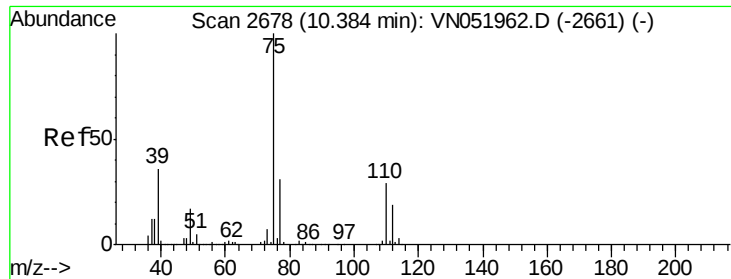
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#52
Toluene
Concen: 20.516 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.9	139.8	209.6





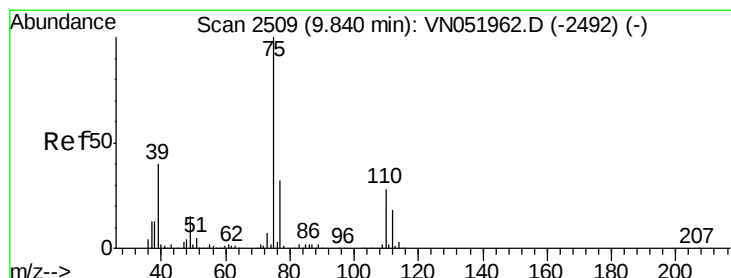
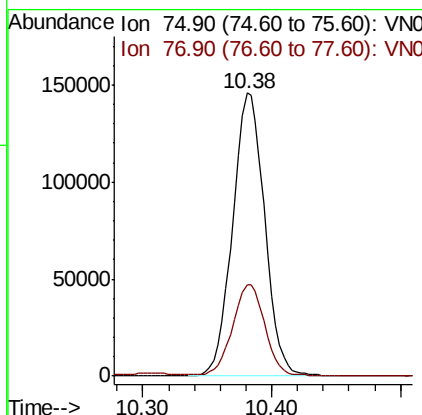
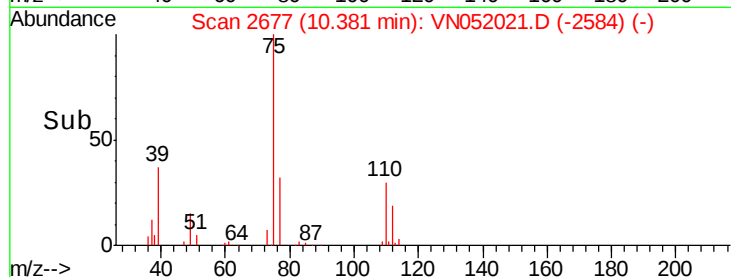
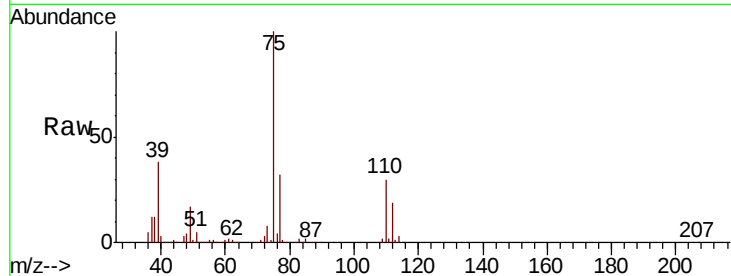
#53
t-1,3-Dichloropropene
Concen: 18.490 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion: 75 Resp: 251800
Ion Ratio Lower Upper
75 100
77 31.9 25.0 37.4

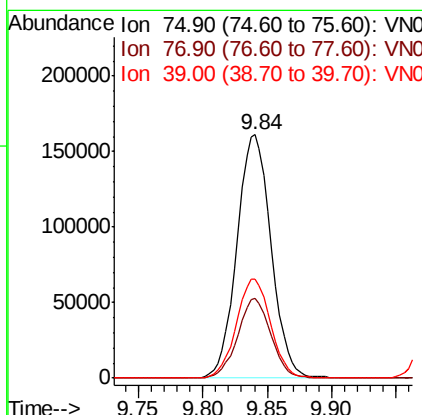
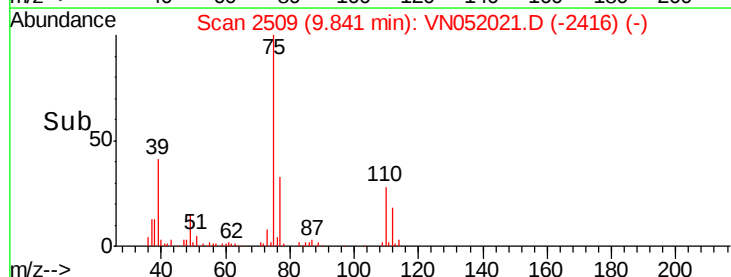
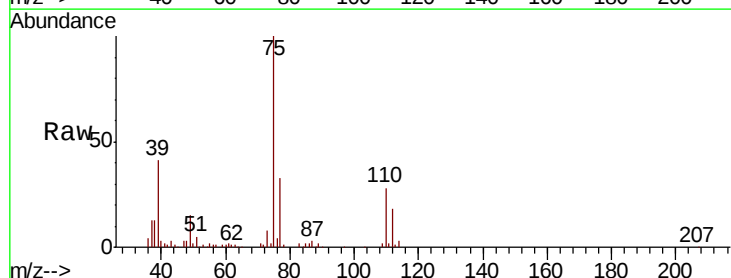
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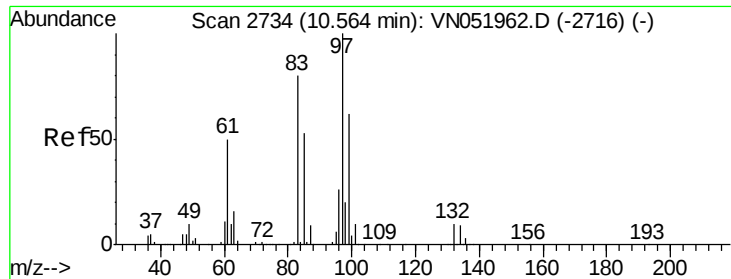
MMDadoda
10/29/2018 3:46:28 PM



#54
cis-1,3-Dichloropropene
Concen: 20.409 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Tgt Ion: 75 Resp: 297382
Ion Ratio Lower Upper
75 100
77 33.0 25.2 37.8
39 40.7 32.0 48.0





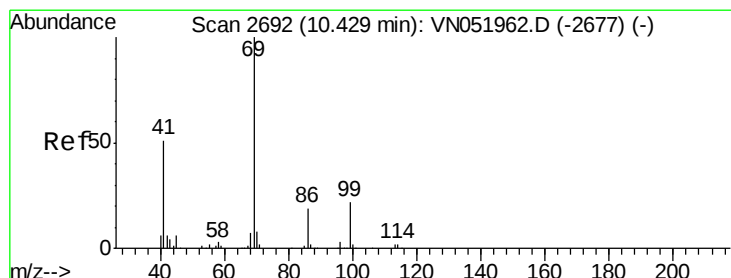
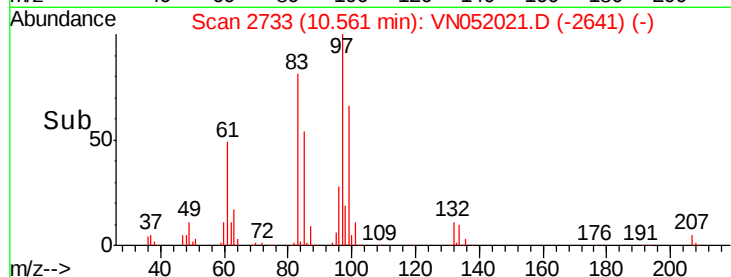
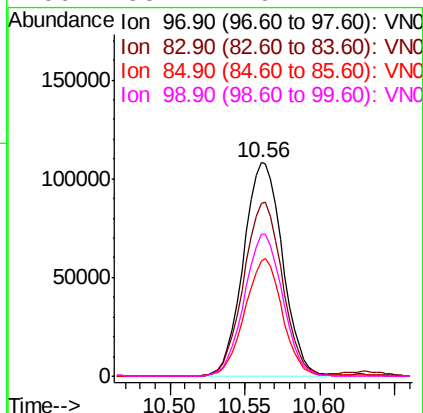
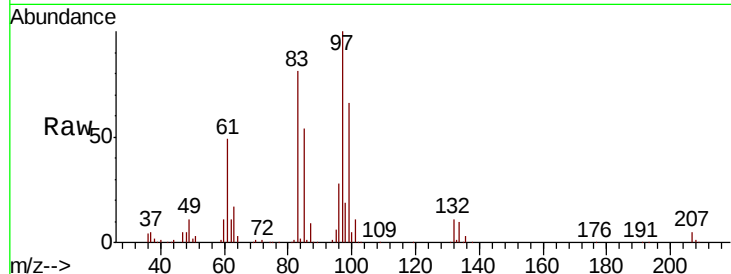
#55
 1,1,2-Trichloroethane
 Concen: 19.447 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		197235		
83	80.9	64.0	96.0		
85	53.7	42.4	63.6		
99	66.4	49.4	74.2		

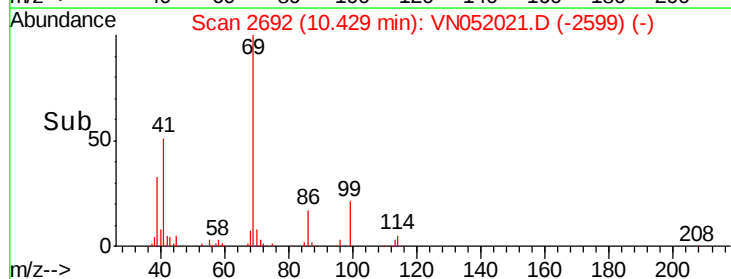
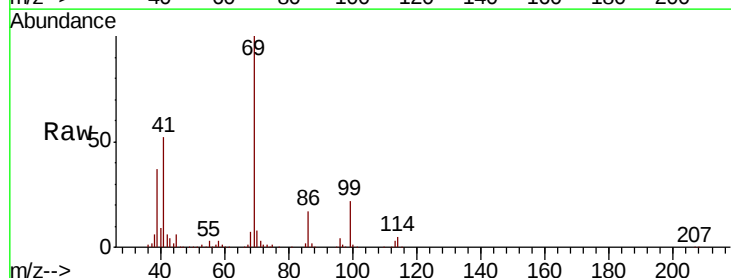
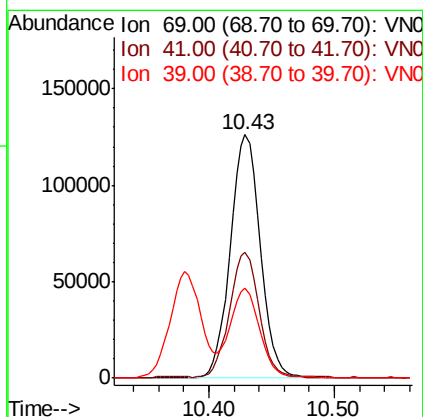
Manual Integrations
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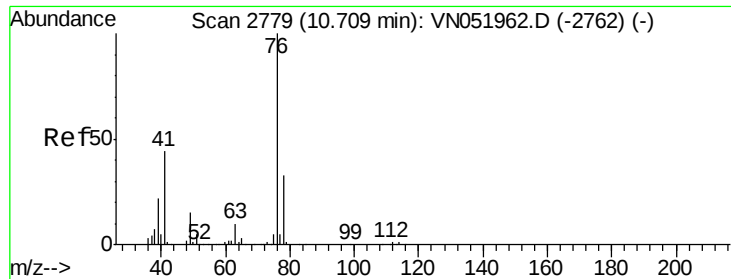
MMDadoda
 10/29/2018 3:46:28 PM



#56
 Ethyl methacrylate
 Concen: 19.293 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		210335		
41	50.1	40.7	61.1		
39	35.6	29.3	43.9		





#57

1,3-Dichloropropane

Concen: 19.594 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

Tot Ion: 76 Resp: 301684

Ion Ratio Lower Upper

76 100

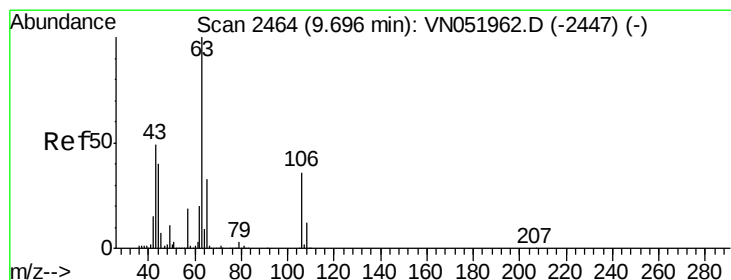
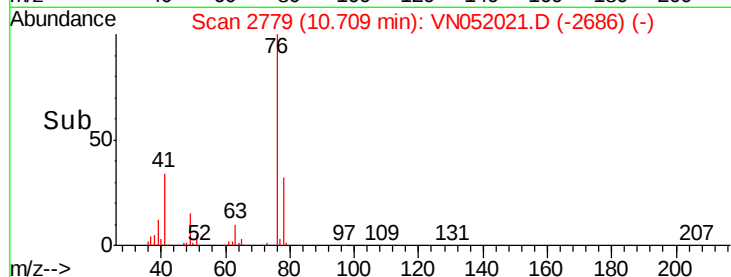
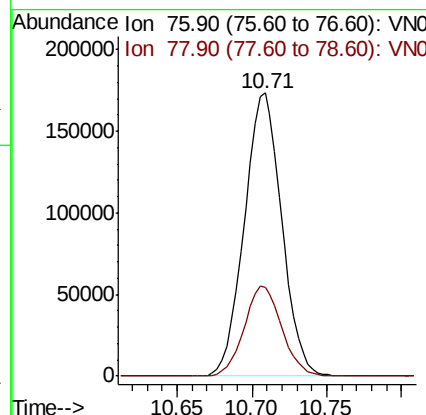
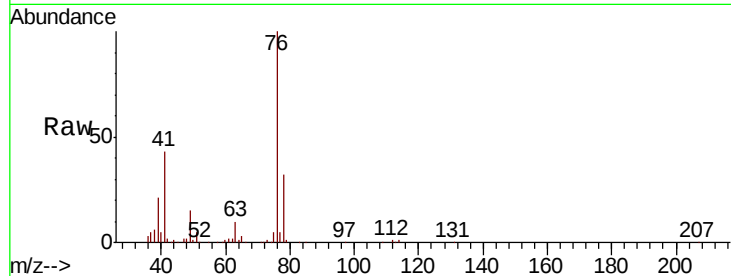
78 32.0 26.4 39.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 98.231 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052021.D

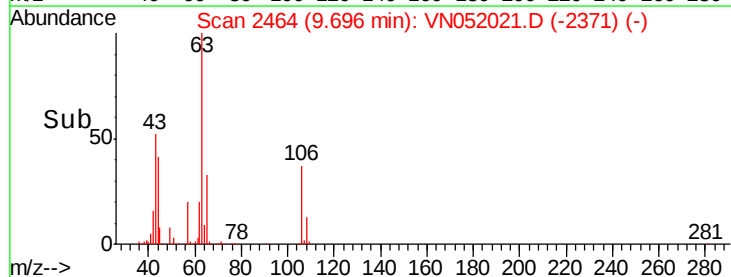
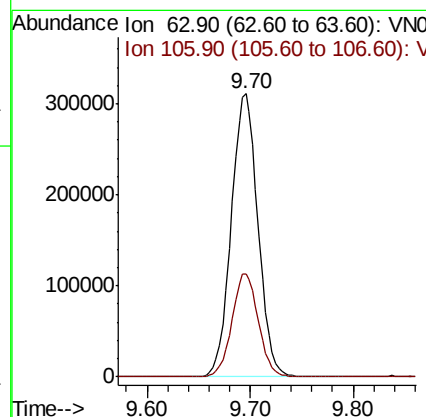
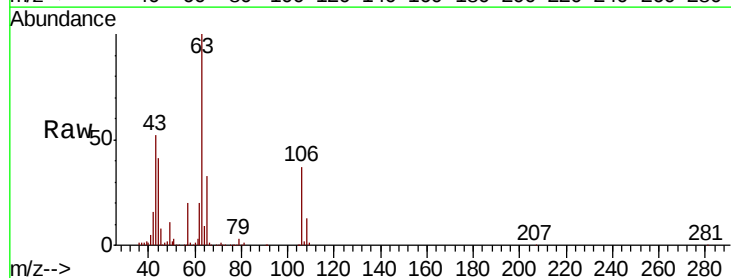
Acq: 26 Oct 2018 12:06

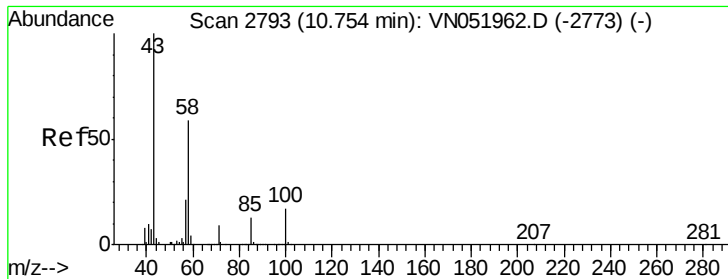
Tgt Ion: 63 Resp: 560342

Ion Ratio Lower Upper

63 100

106 35.8 28.3 42.5





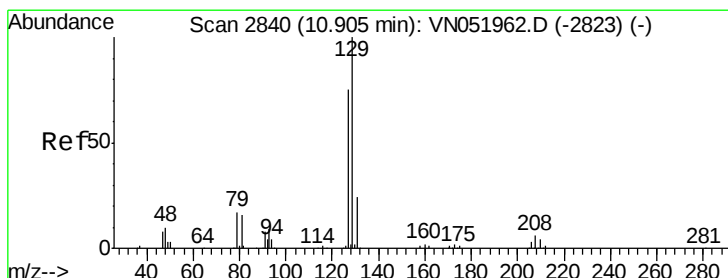
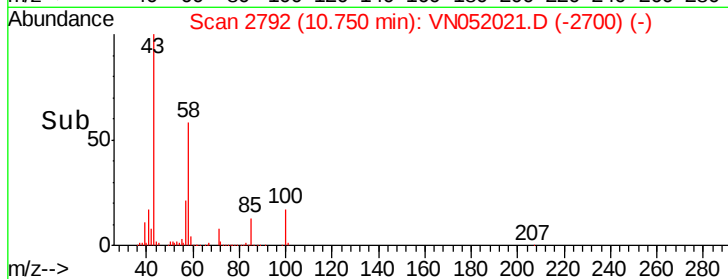
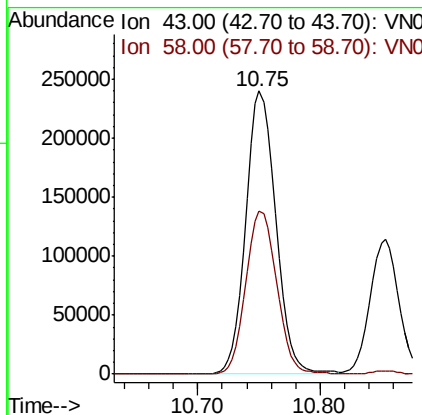
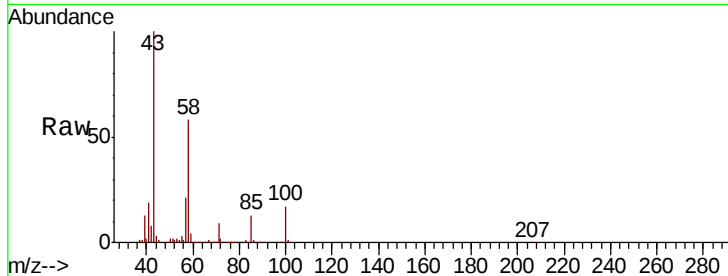
#59
2-Hexanone
Concen: 96.233 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion: 43 Resp: 406083
Ion Ratio Lower Upper
43 100
58 59.3 29.9 89.8

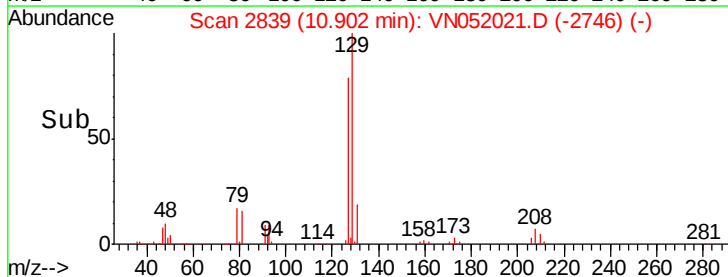
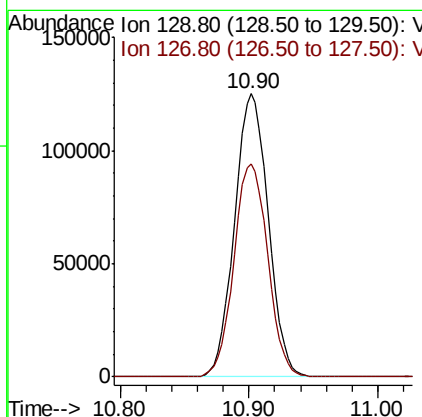
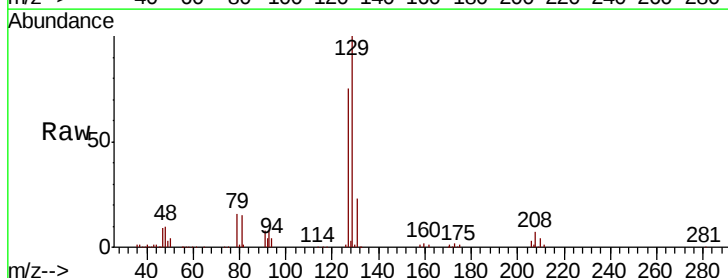
Manual Integrations
APPROVED

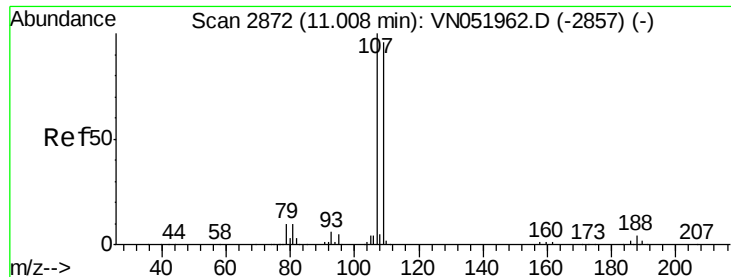
MMDadoda
10/29/2018 3:46:28 PM



#60
Dibromochloromethane
Concen: 18.847 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Tgt Ion: 129 Resp: 227245
Ion Ratio Lower Upper
129 100
127 75.7 38.0 114.0





#61

1,2-Dibromoethane

Concen: 19.636 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

Tot Ion: 107 Resp: 209979

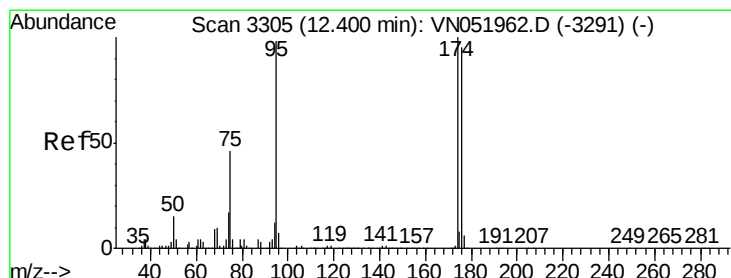
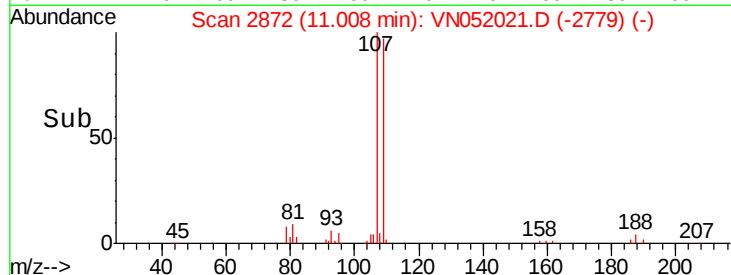
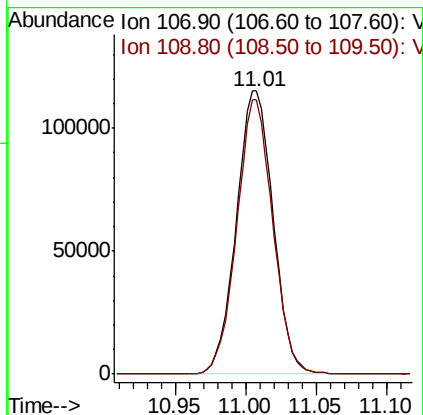
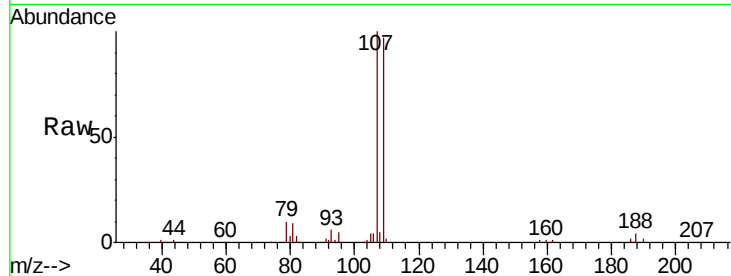
Ion Ratio Lower Upper

107 100

109 95.2 75.9 113.9

Manual Integrations
APPROVED

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10/29/2018 3:46:28 PM



#62

4-Bromofluorobenzene

Concen: 19.636 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

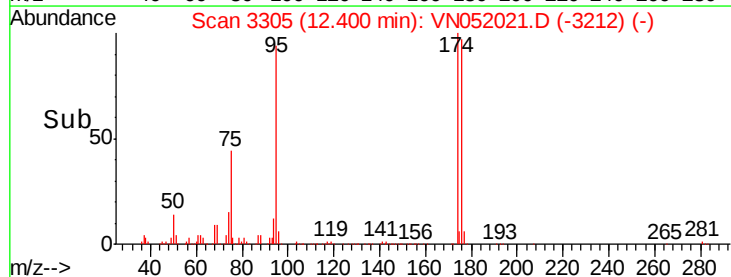
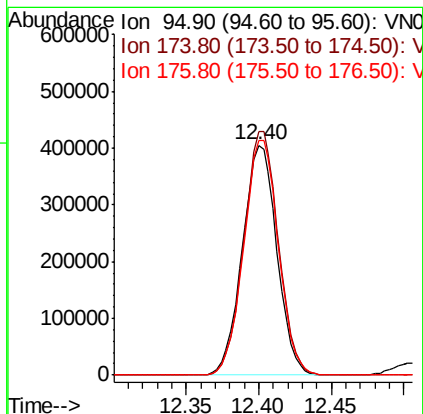
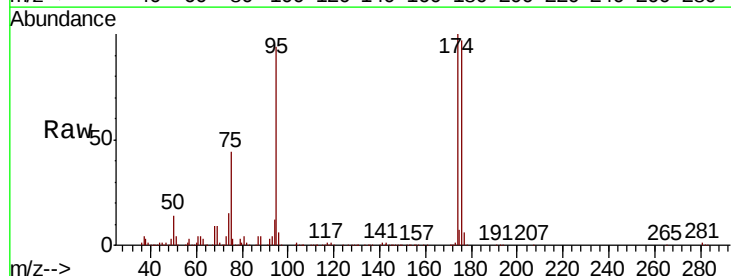
Tgt Ion: 95 Resp: 670216

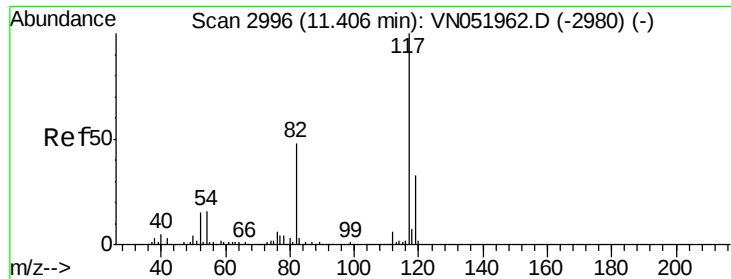
Ion Ratio Lower Upper

95 100

174 106.3 0.0 206.0

176 103.0 0.0 198.0





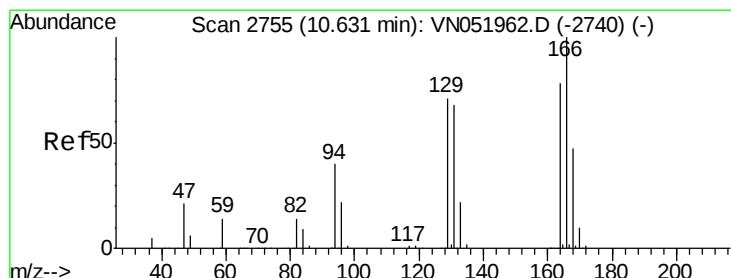
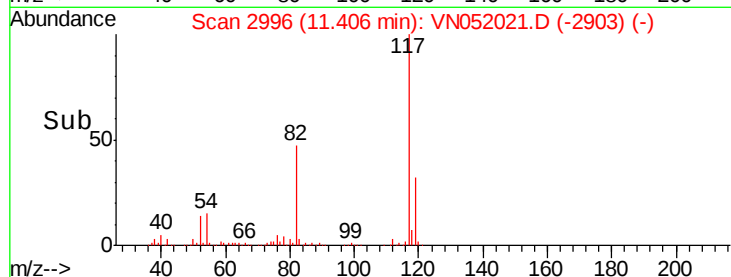
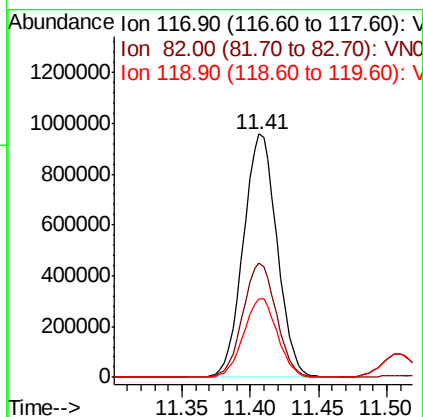
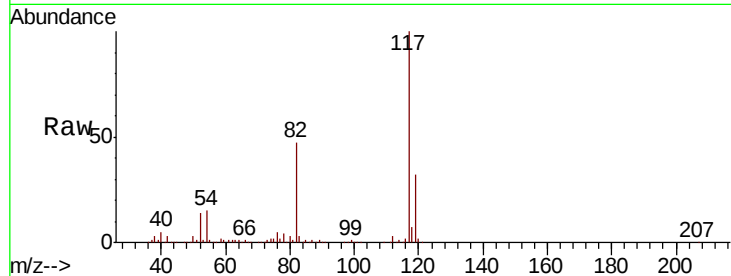
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	47.0	38.1	57.1
119	32.2	26.4	39.6

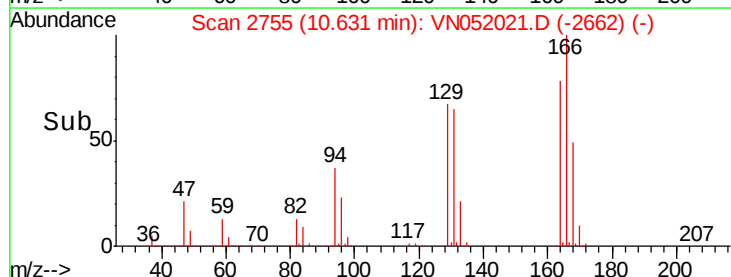
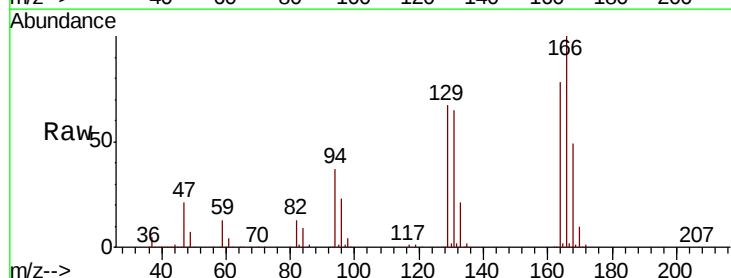
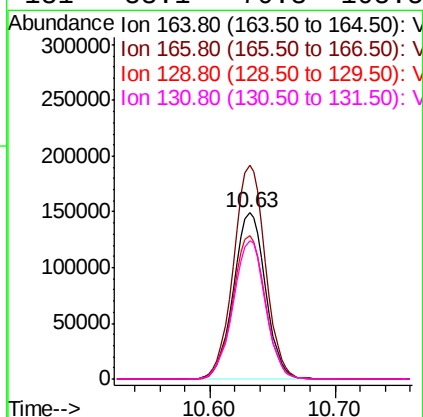
Manual Integrations
APPROVED

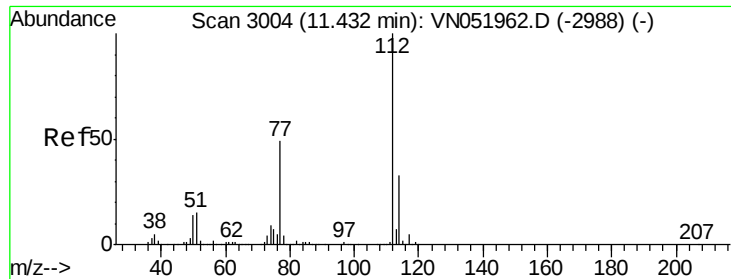
MMDadoda
10/29/2018 3:46:28 PM



#64
Tetrachloroethene
Concen: 20.889 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	103.1	154.7
129	86.2	73.6	110.4
131	83.1	70.3	105.5





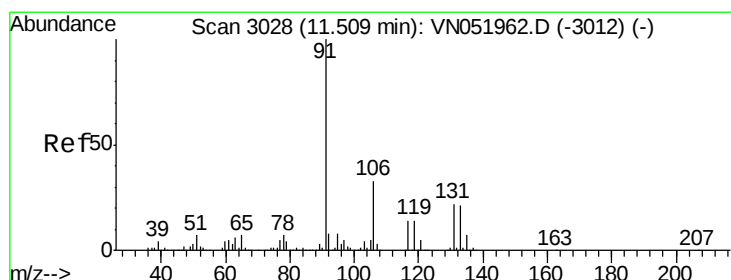
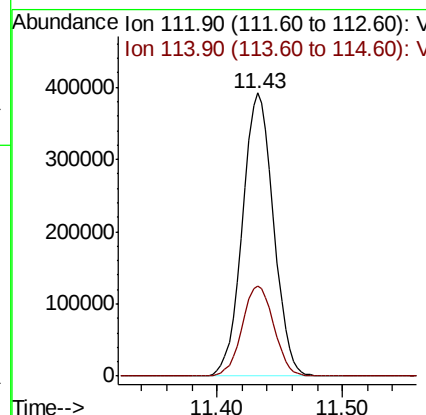
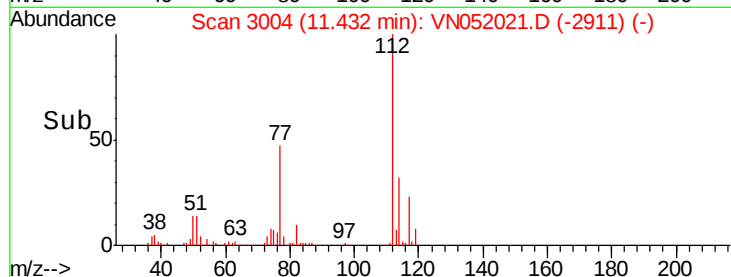
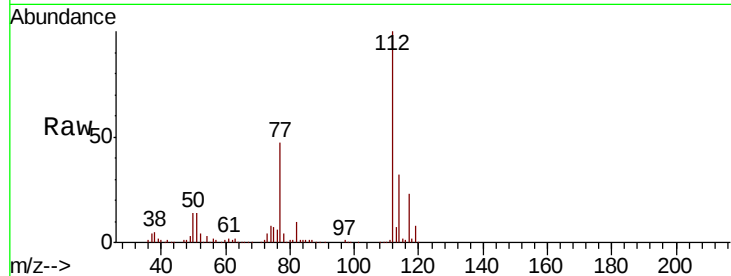
#65
Chlorobenzene
Concen: 20.291 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.1	39.1

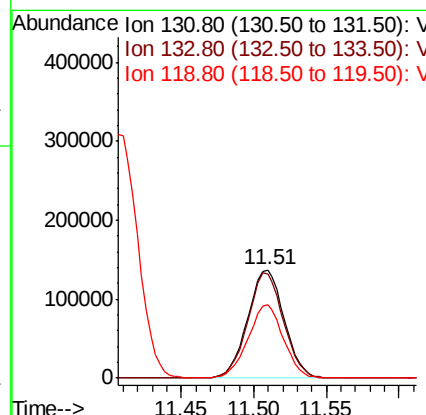
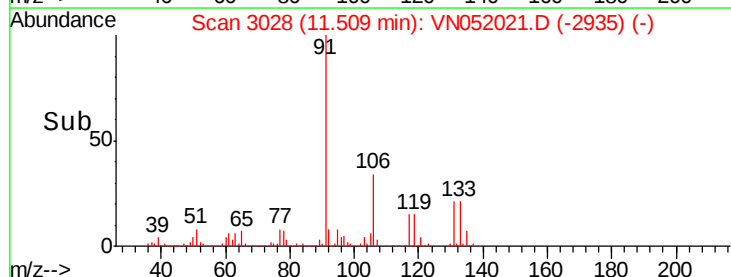
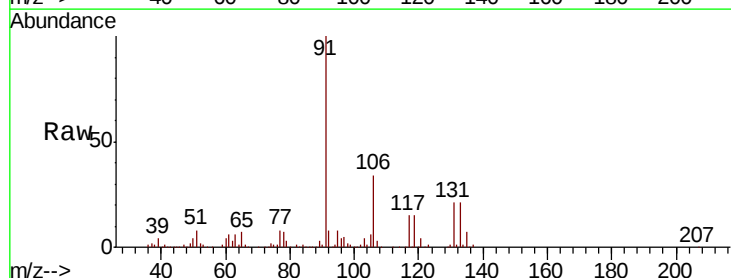
Manual Integrations
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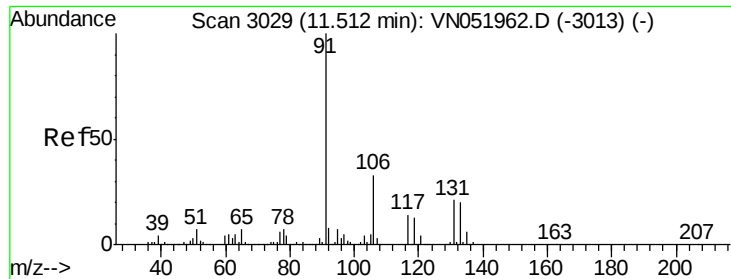
MMDadoda
10/29/2018 3:46:28 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.106 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.8	143.3
119	65.8	32.0	96.2





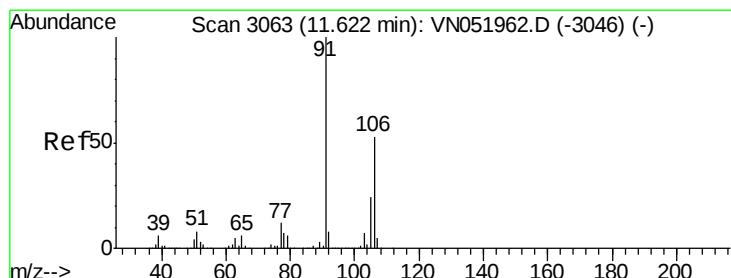
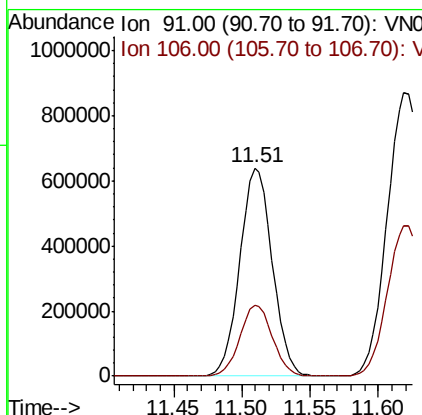
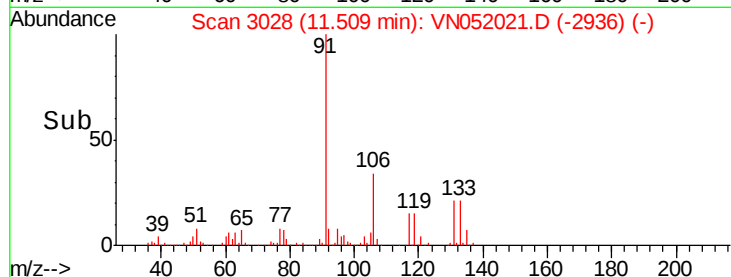
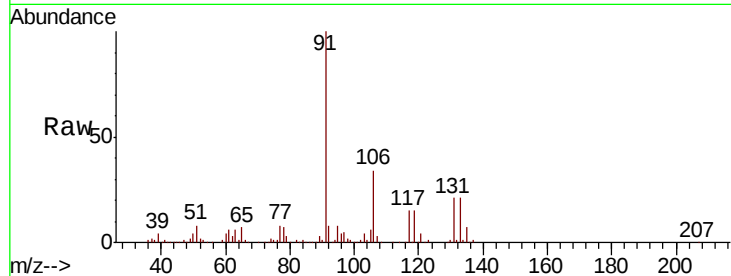
#67
Ethyl Benzene
Concen: 19.753 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion: 91 Resp: 1054799
Ion Ratio Lower Upper
91 100
106 34.2 26.4 39.6

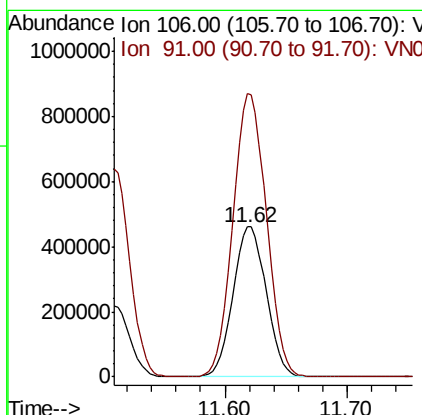
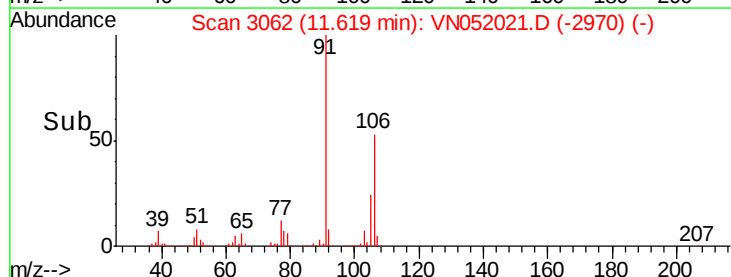
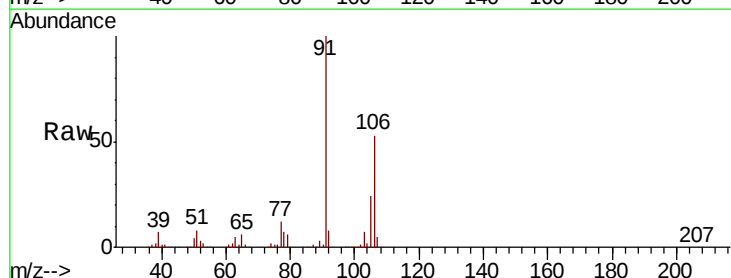
Manual Integrations
APPROVED

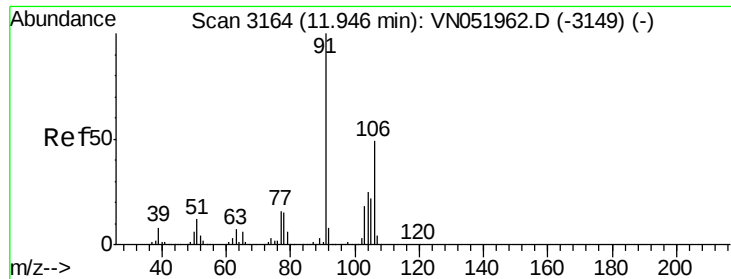
MMDadoda
10/29/2018 3:46:28 PM



#68
m/p-Xylenes
Concen: 40.653 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Tgt Ion: 106 Resp: 867374
Ion Ratio Lower Upper
106 100
91 190.3 152.2 228.2





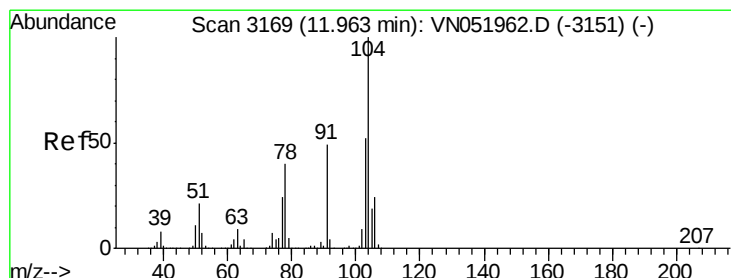
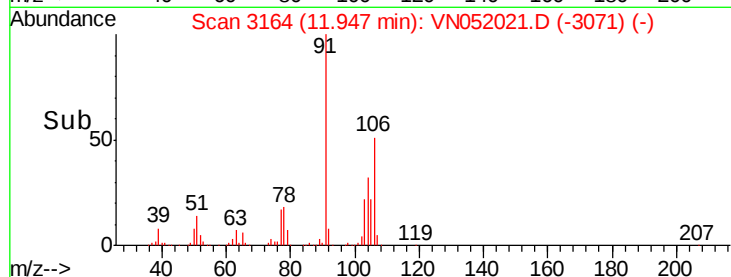
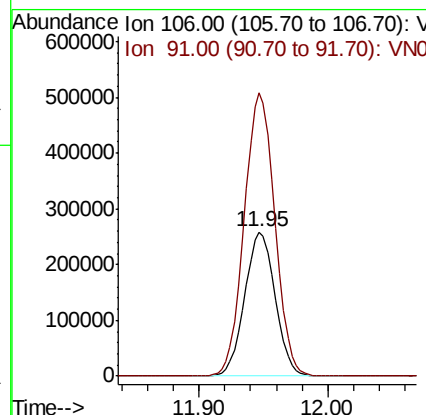
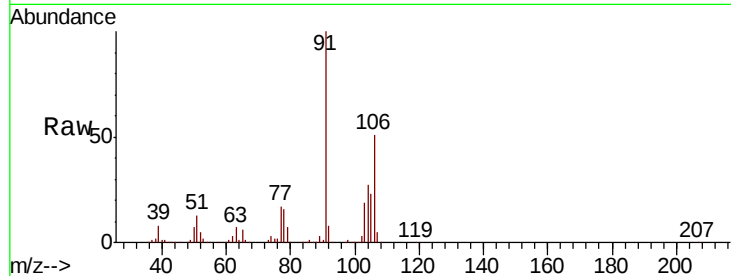
#69
o-Xylene
Concen: 20.411 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	423525		
91	91	197.4	101.0	303.0	

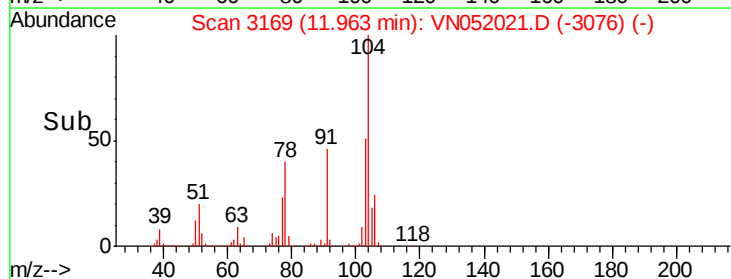
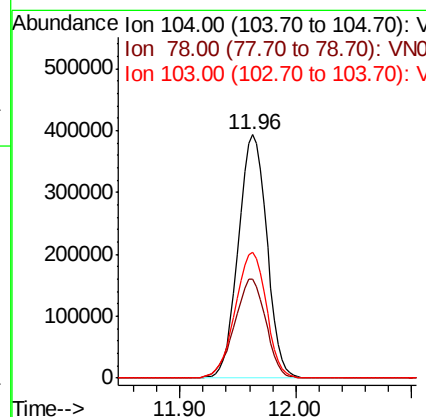
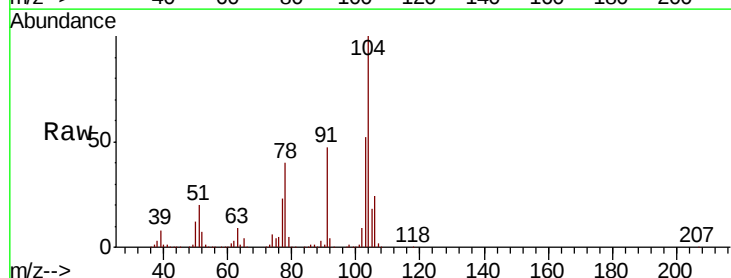
Manual Integrations
APPROVED

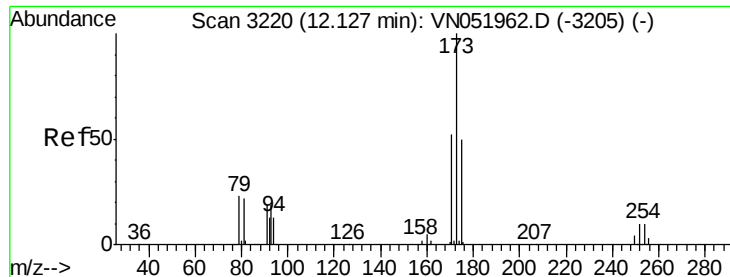
MMDadoda
10/29/2018 3:46:28 PM



#70
Styrene
Concen: 20.229 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	670883		
78	78	44.7	35.8	53.6	
103	103	56.4	44.9	67.3	





#71

Bromoform

Concen: 18.213 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

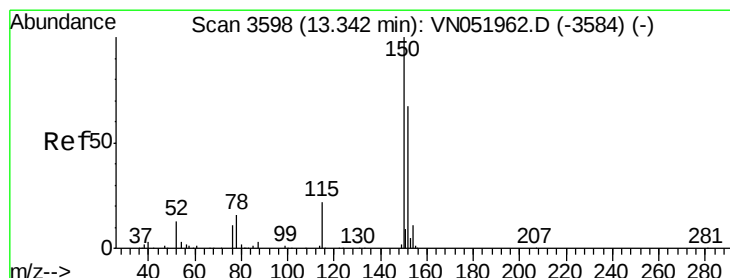
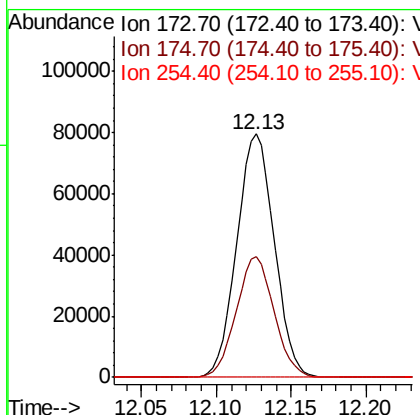
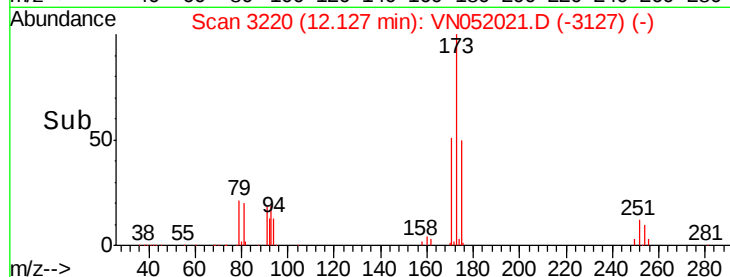
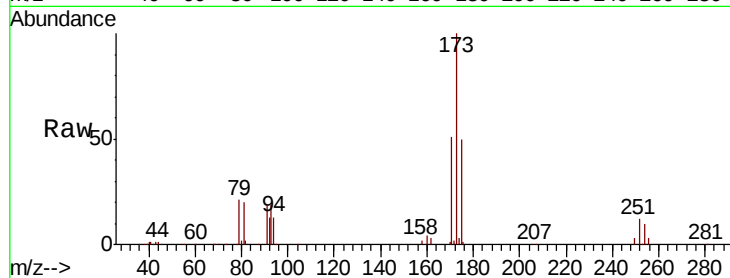
ClientSampleId :

VN1026WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.6	74.0
254	0.1	0.1	0.1

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

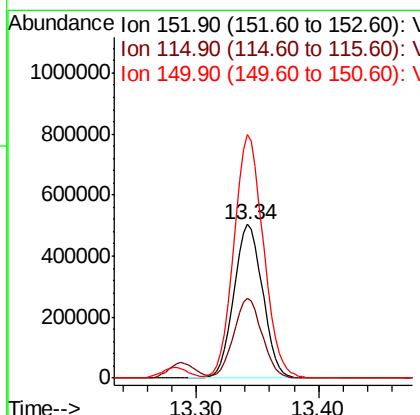
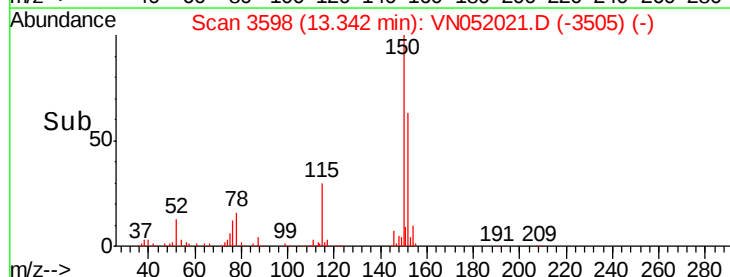
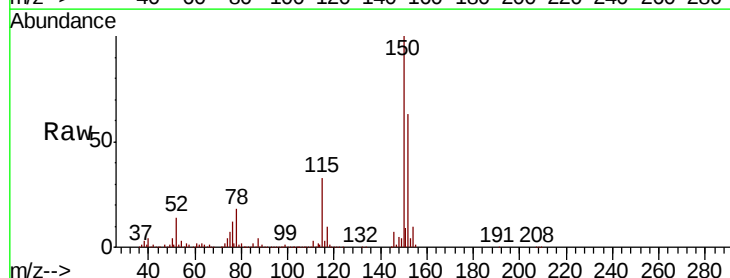
RT: 13.34 min Scan# 3598

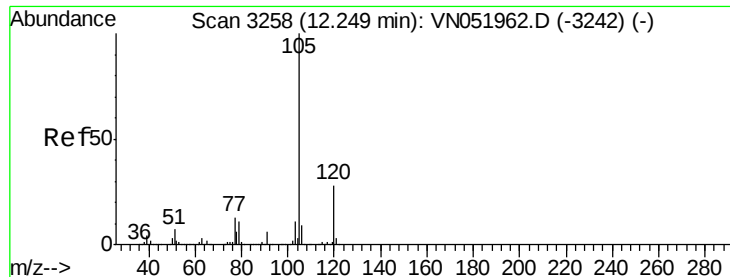
Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.5	25.8	77.3
150	163.3	0.0	344.4





#73

Isopropylbenzene

Concen: 21.633 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

Tot Ion:105 Resp: 1124205

Ion Ratio Lower Upper

105 100

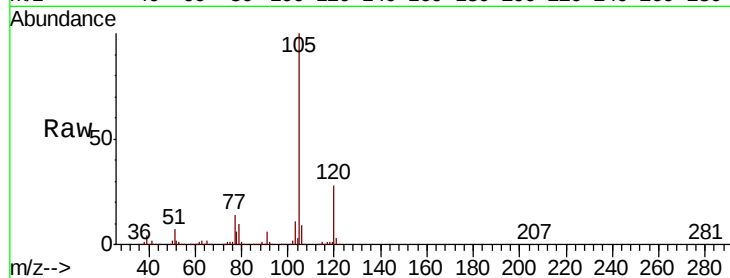
120 28.1 14.0 41.9

Manual Integrations

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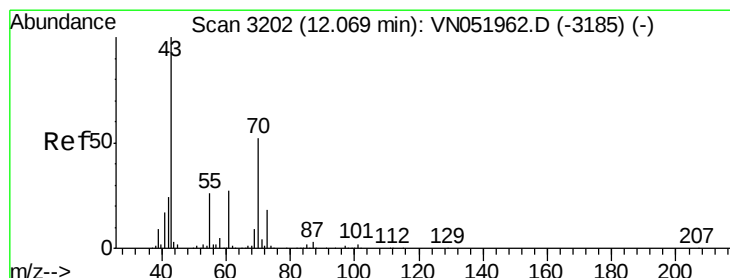
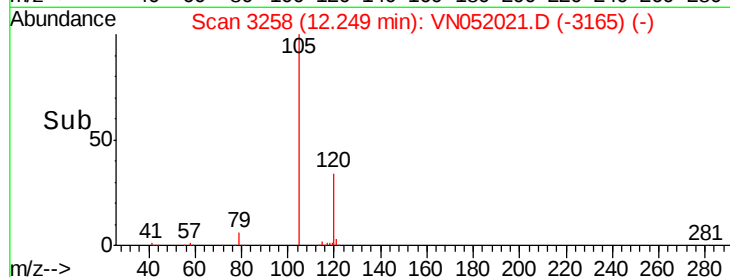
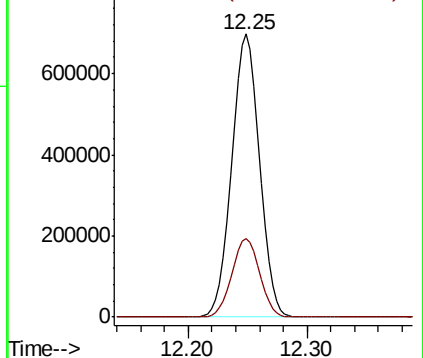
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.779 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Tgt Ion: 43 Resp: 192089

Ion Ratio Lower Upper

43 100

70 50.3 41.3 61.9

55 27.0 21.2 31.8

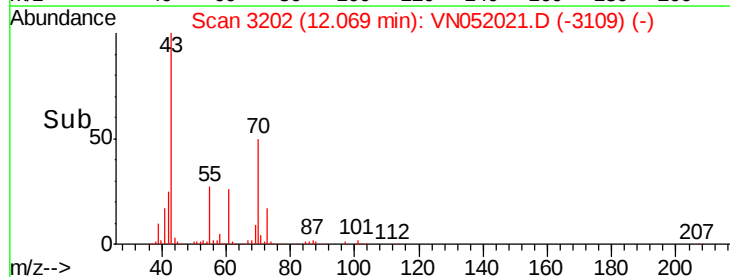
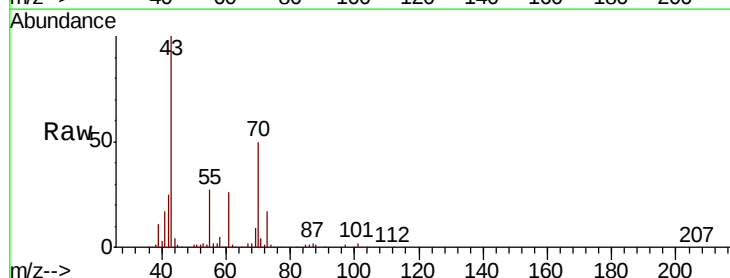
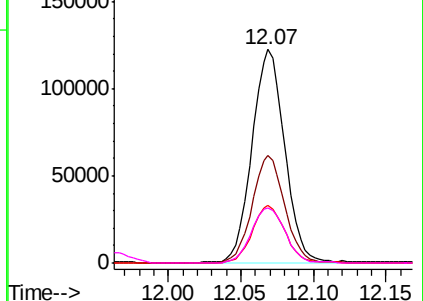
61 26.8 21.8 32.8

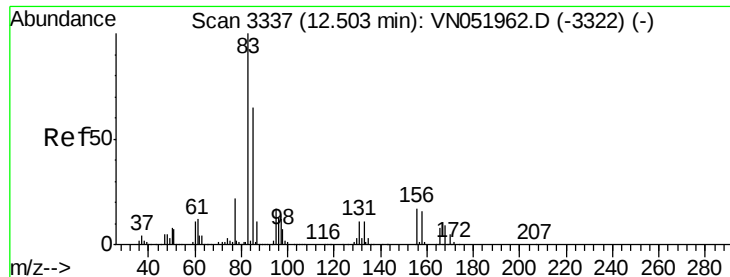
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.134 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

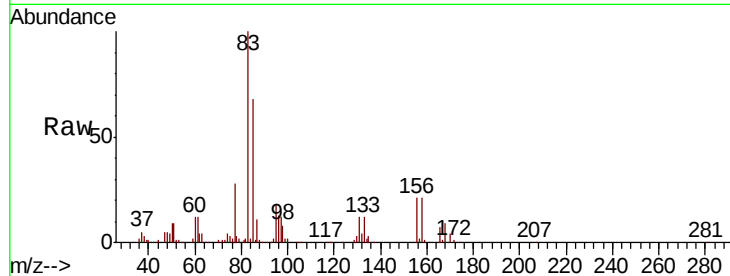
ClientSampleId :

VN1026WBS01

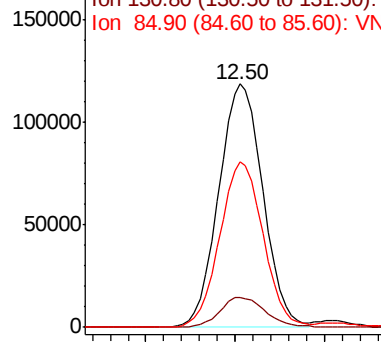
Tot Ion:	83	Resp:	205459
Ion Ratio	Lower	Upper	
83	100		
131	12.7	6.2	18.6
85	66.9	32.7	98.1

Manual Integrations
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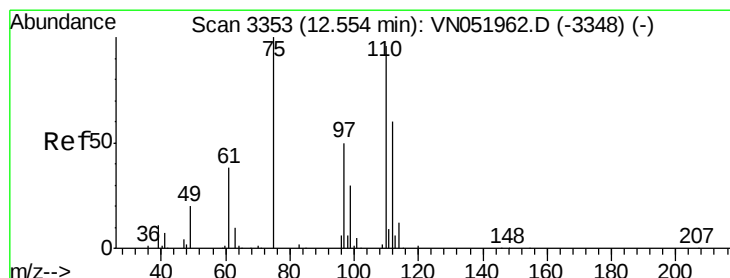
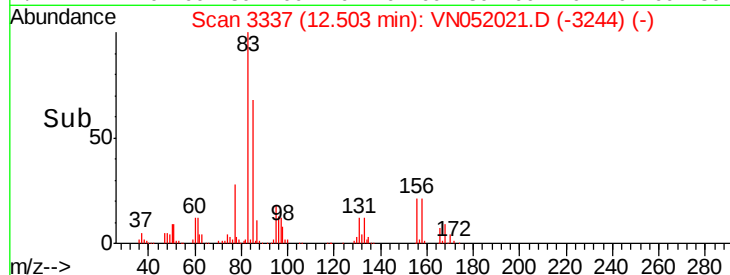
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN051962.D (-3322) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 20.744 ug/l m

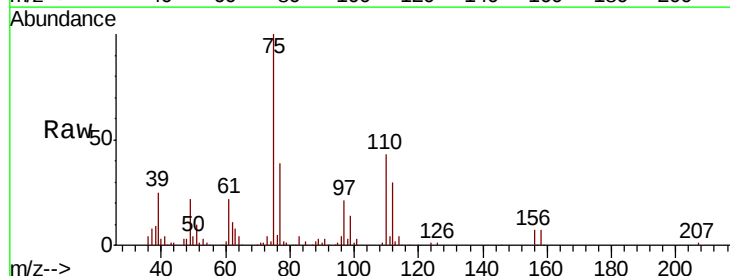
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

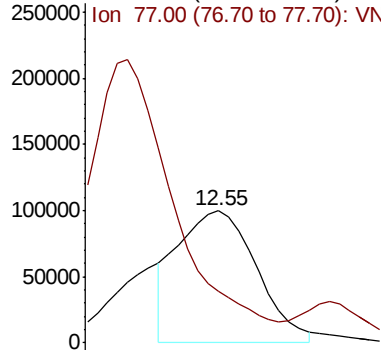
Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

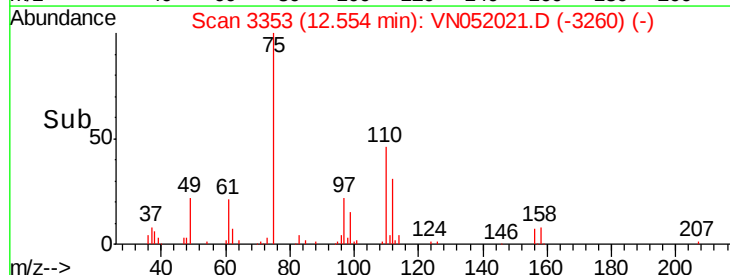
Tgt Ion:	75	Resp:	175585
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

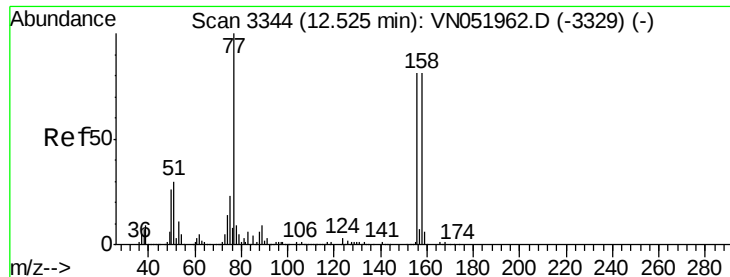


Abundance Ion 74.90 (74.60 to 75.60): VN051962.D (-3348) (-)



Time-->





#77

Bromobenzene

Concen: 21.552 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

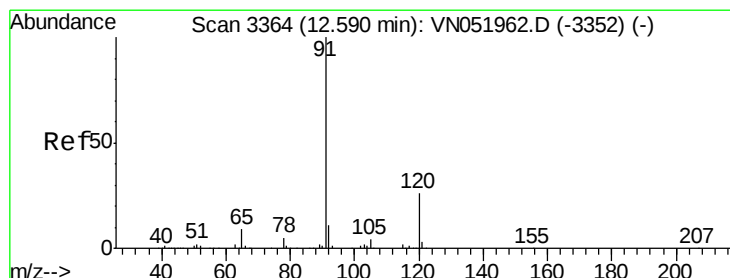
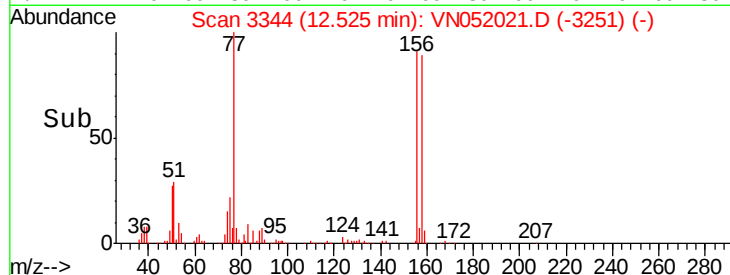
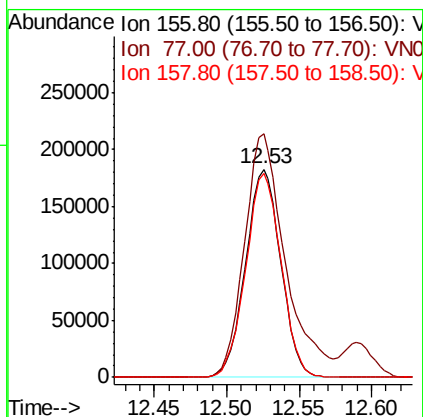
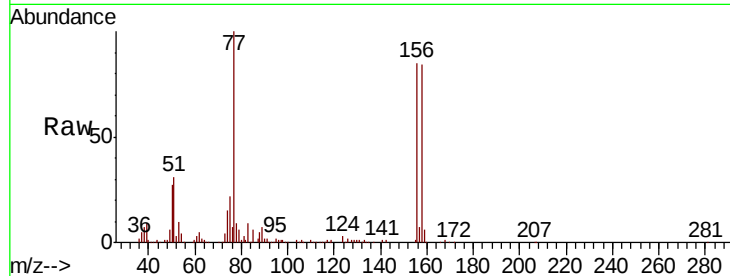
ClientSampleId :

VN1026WBS01

Tot Ion:	156	Resp:	309106
Ion Ratio	Lower	Upper	
156	100		
77	136.3	71.1	213.3
158	98.5	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 21.560 ug/l

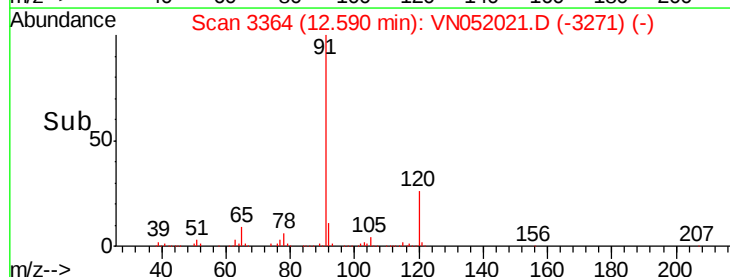
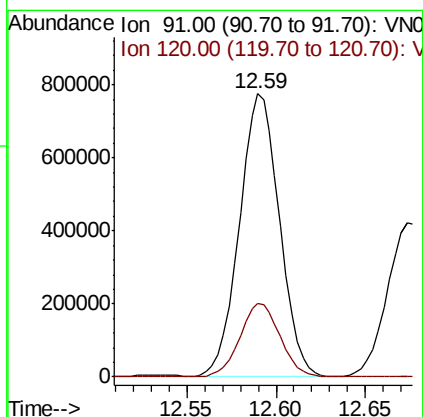
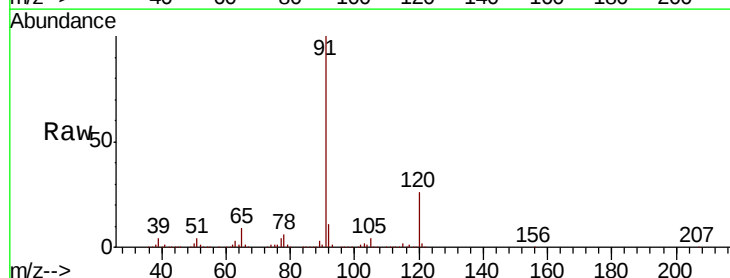
RT: 12.59 min Scan# 3364

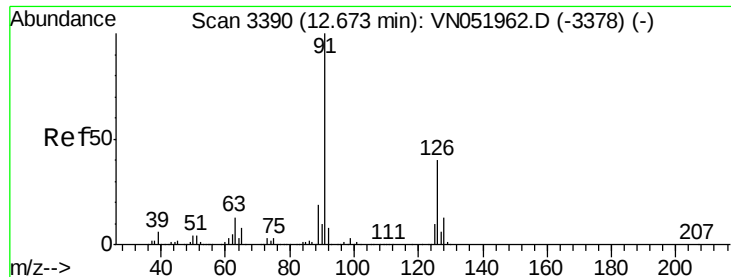
Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Tgt Ion:	91	Resp:	1208663
Ion Ratio	Lower	Upper	
91	100		
120	26.1	13.1	39.3





#79

2-Chlorotoluene

Concen: 21.314 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

Tot Ion: 91 Resp: 695827

Ion Ratio Lower Upper

91 100

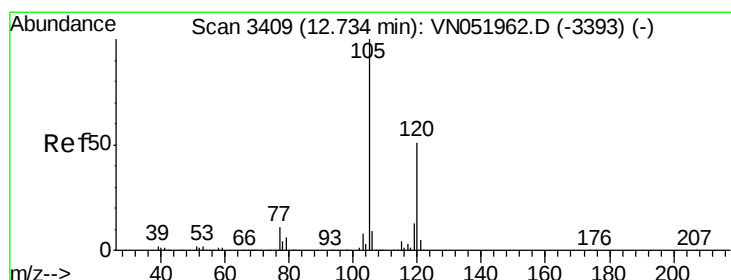
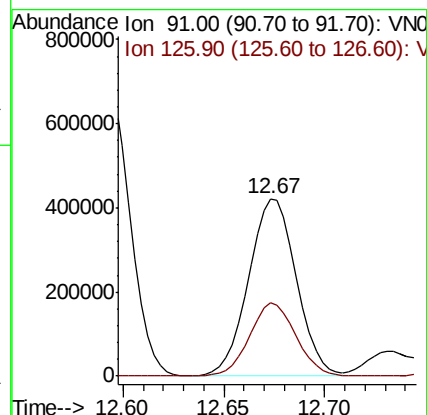
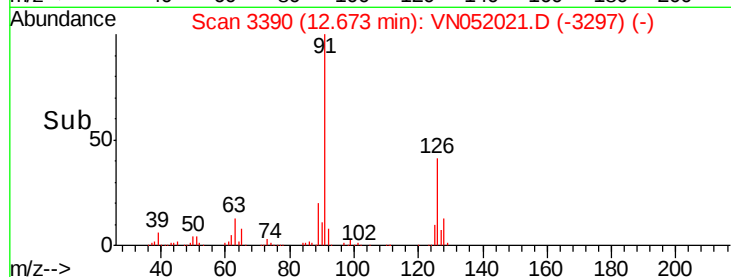
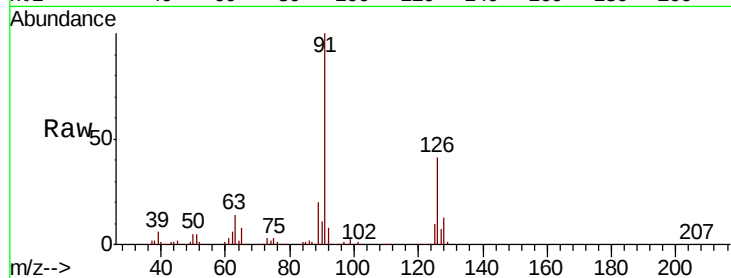
126 40.1 20.1 60.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.838 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052021.D

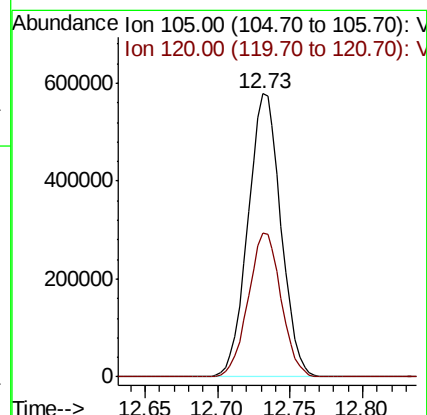
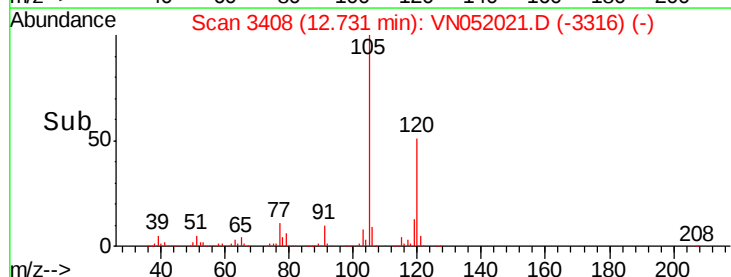
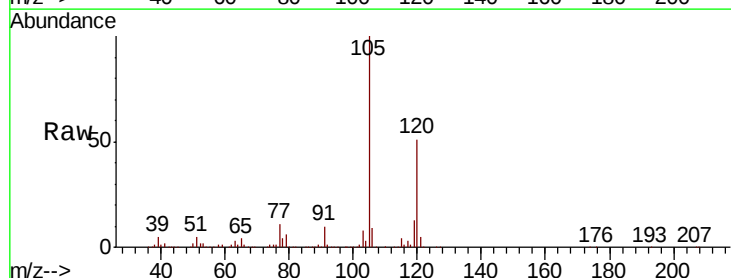
Acq: 26 Oct 2018 12:06

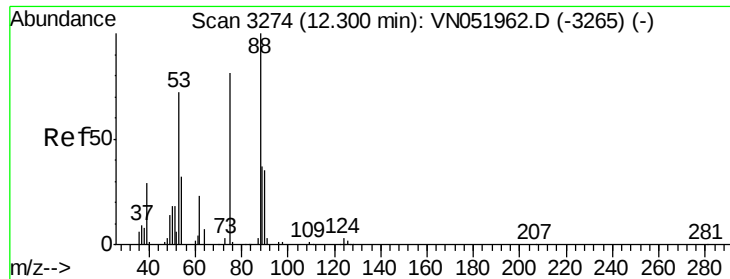
Tgt Ion: 105 Resp: 910526

Ion Ratio Lower Upper

105 100

120 50.8 25.7 77.1





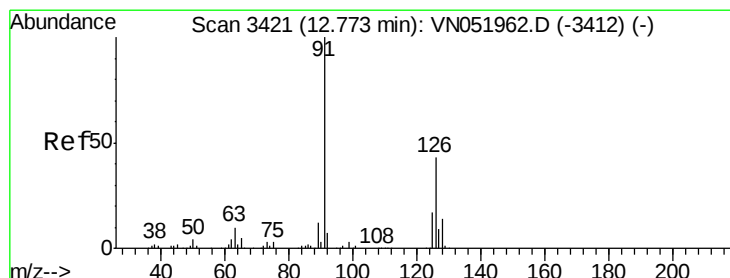
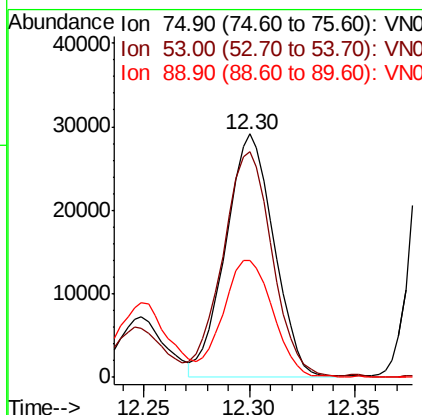
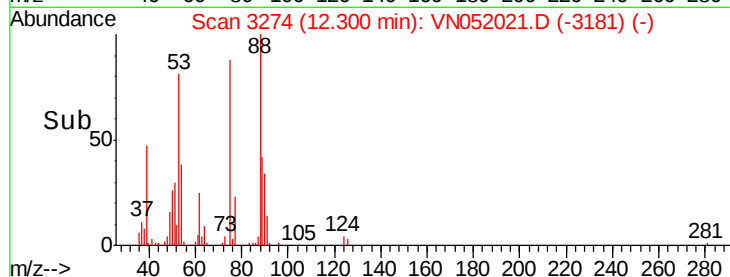
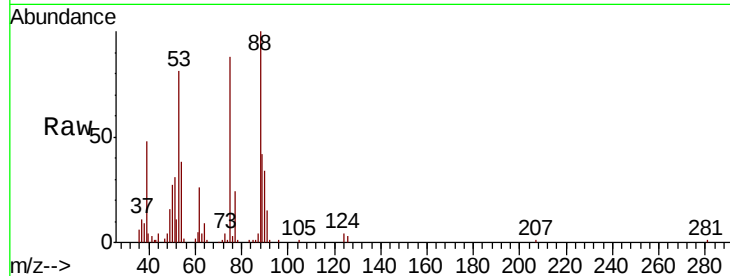
#81
trans-1,4-Dichloro-2-butene
Concen: 18.811 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.2	73.5	110.3
89	49.6	41.6	62.4

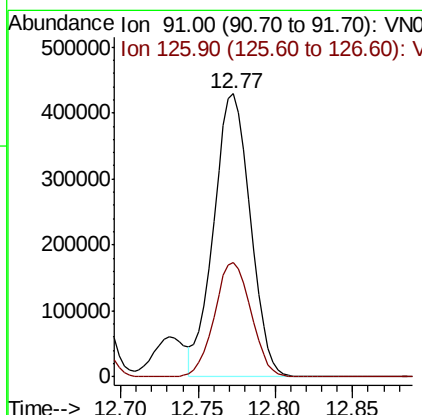
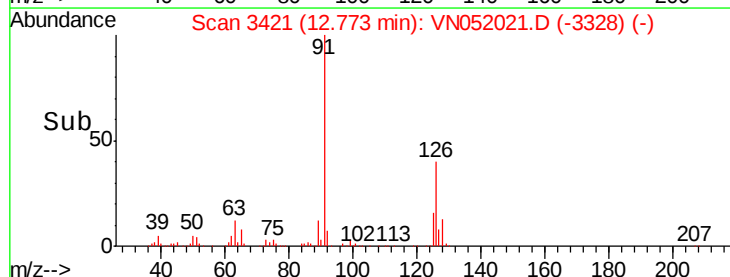
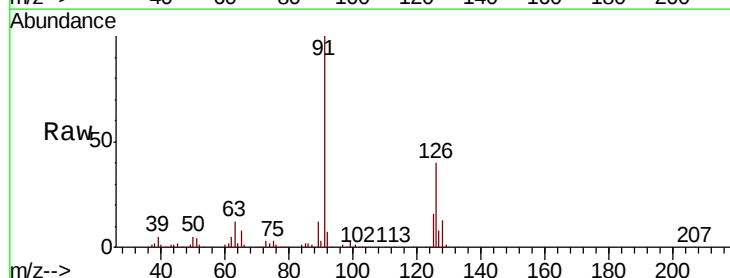
Manual Integrations
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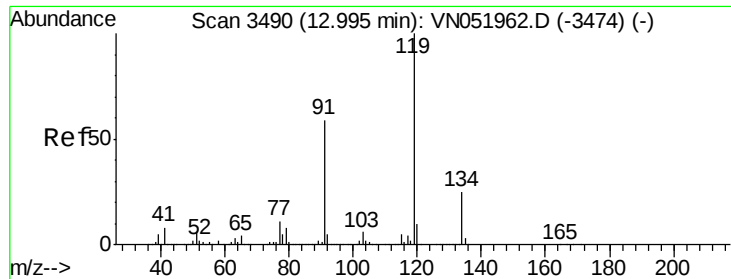
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.891 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	40.3	19.7	59.0





#83

tert-Butylbenzene

Concen: 20.916 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

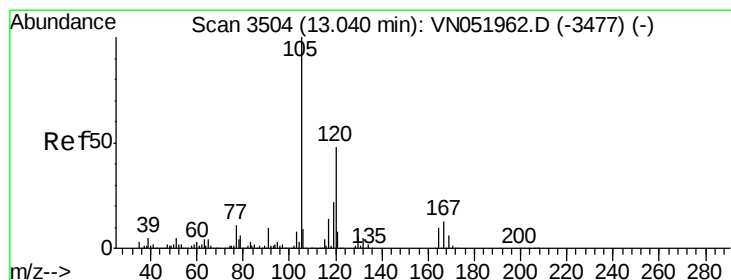
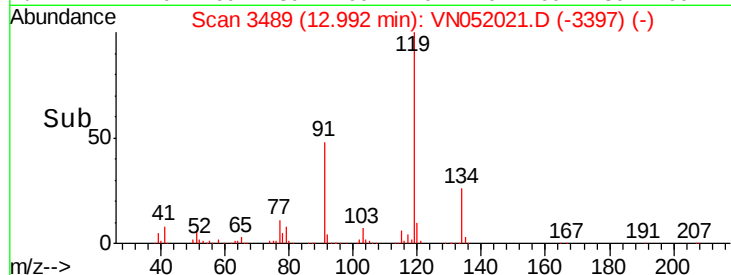
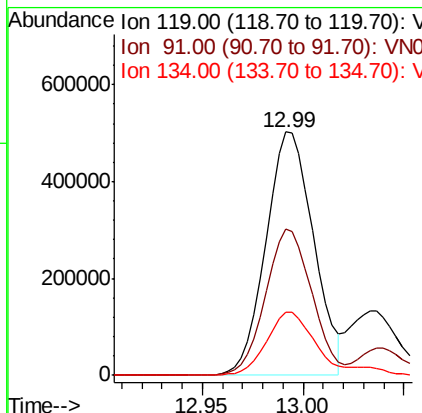
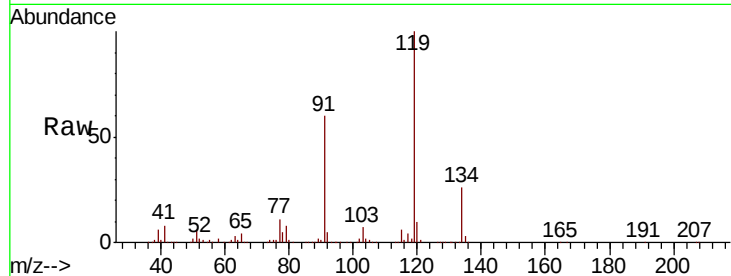
ClientSampleId :

VN1026WBS01

Tot Ion:	119	Resp:	824816
Ion Ratio	Lower	Upper	
119	100		
91	58.6	28.8	86.4
134	26.2	13.4	40.1

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#84

1,2,4-Trimethylbenzene

Concen: 21.495 ug/l

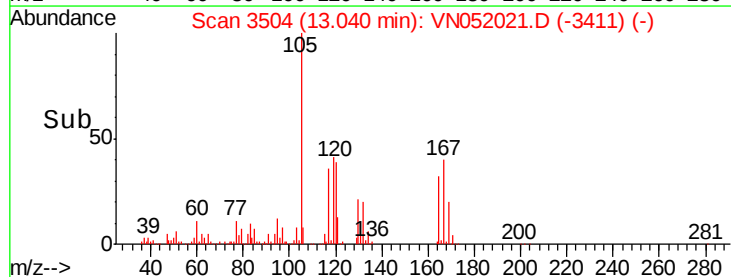
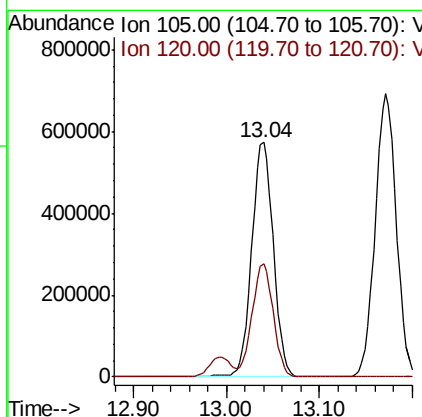
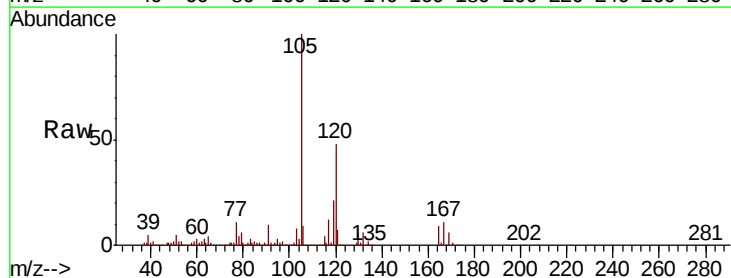
RT: 13.04 min Scan# 3504

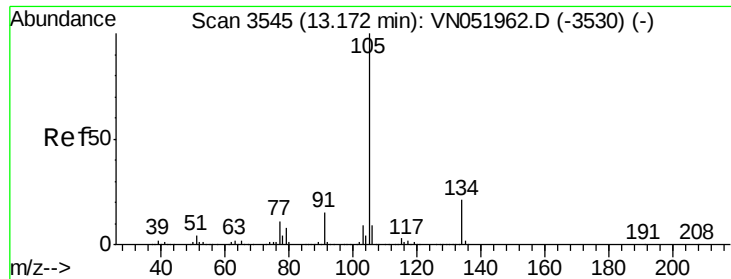
Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Tgt Ion:	105	Resp:	924448
Ion Ratio	Lower	Upper	
105	100		
120	47.4	23.8	71.5





#85

sec-Butylbenzene

Concen: 21.100 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

ClientSampleId :

VN1026WBS01

Tot Ion:105 Resp: 1086710

Ion Ratio Lower Upper

105 100

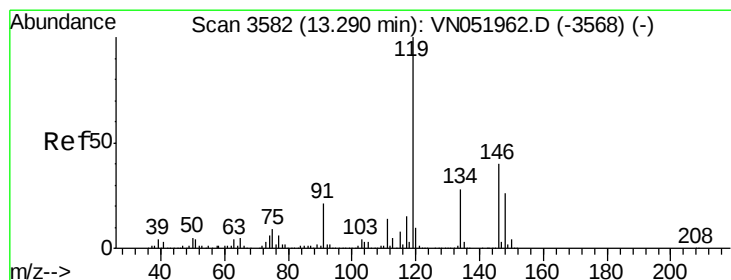
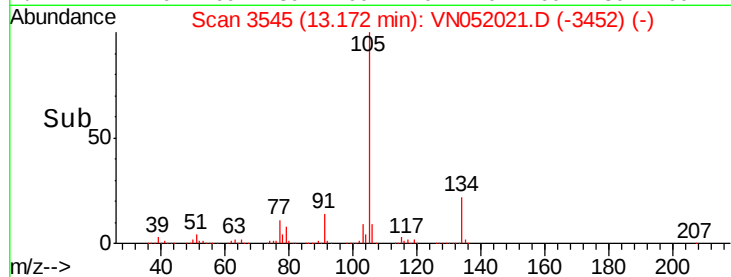
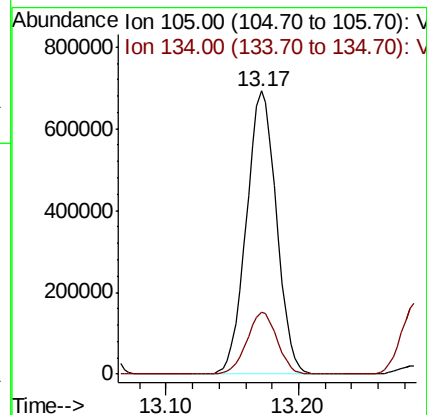
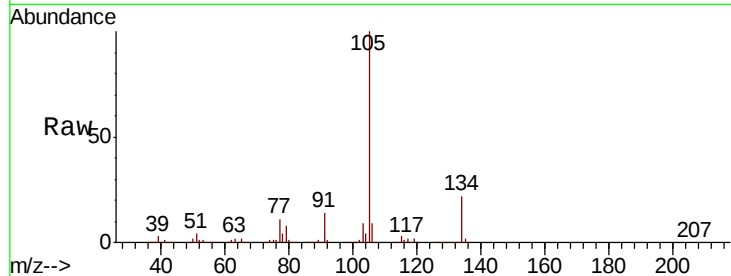
134 22.0 10.9 32.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.987 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

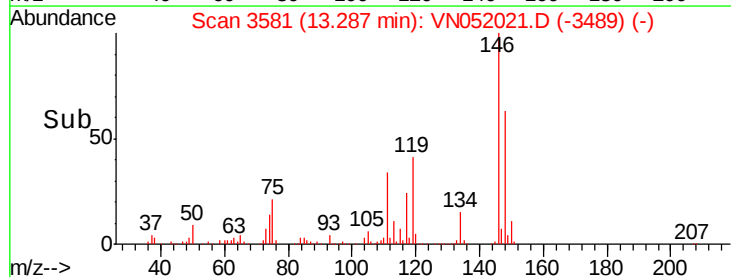
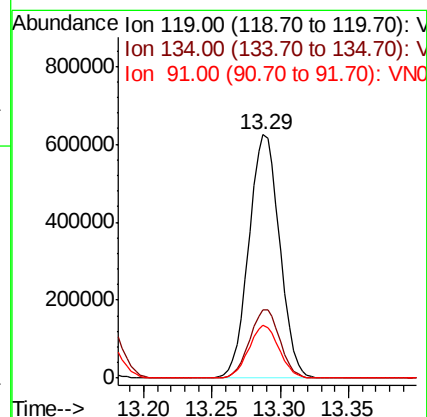
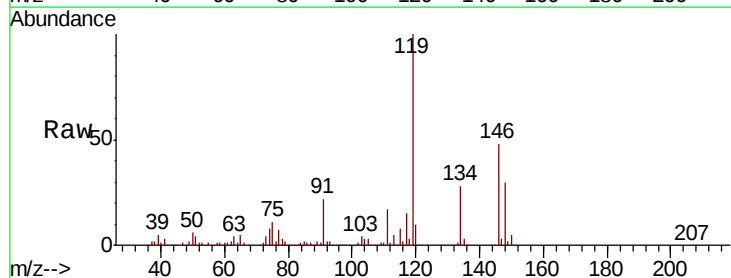
Tgt Ion:119 Resp: 973151

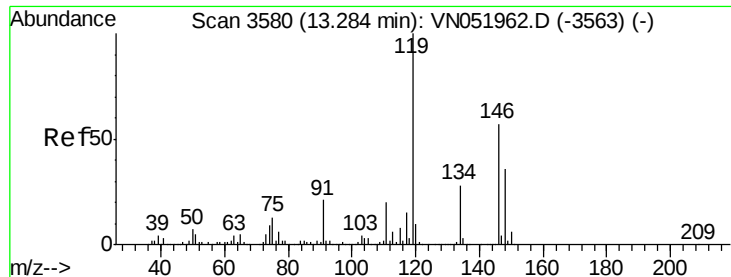
Ion Ratio Lower Upper

119 100

134 27.8 13.9 41.7

91 21.3 10.6 31.8





#87

1,3-Dichlorobenzene

Concen: 20.316 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

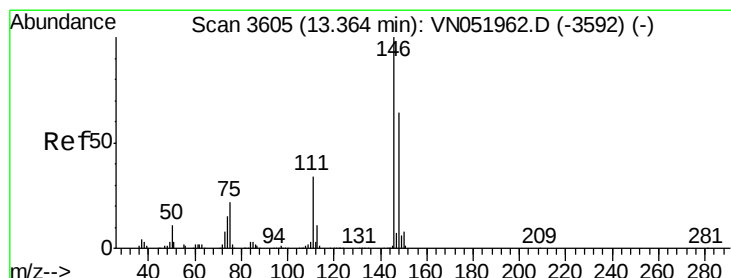
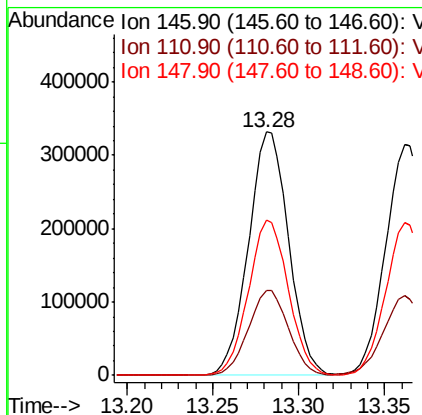
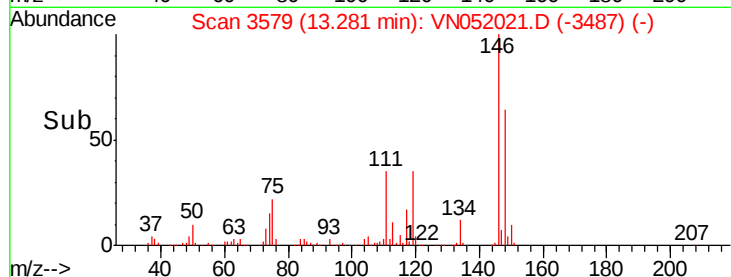
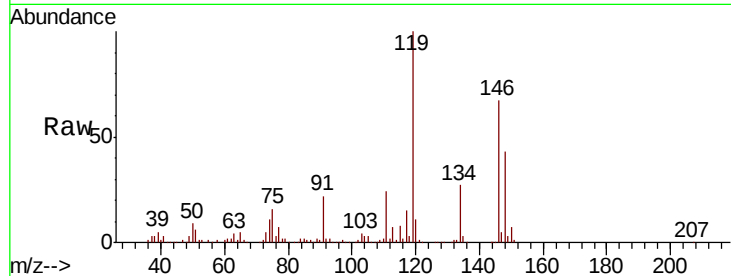
ClientSampleId :

VN1026WBS01

Tot Ion:	146	Resp:	537397
Ion Ratio	Lower	Upper	
146	100		
111	34.9	17.6	52.8
148	63.4	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.211 ug/l

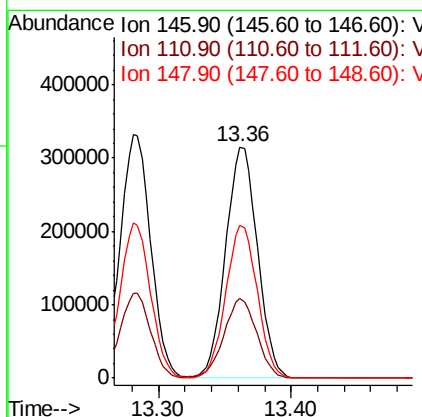
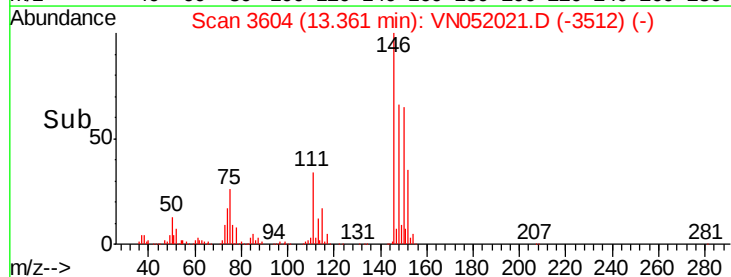
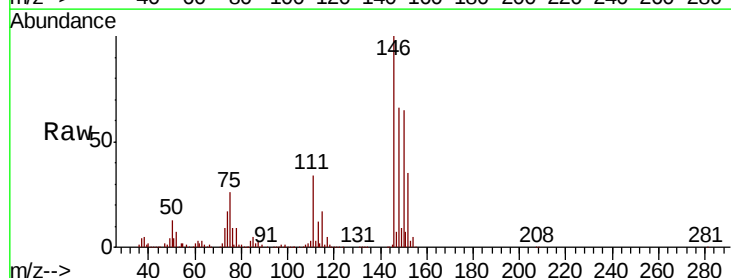
RT: 13.36 min Scan# 3604

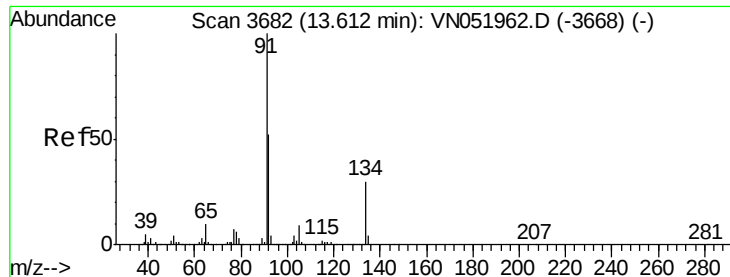
Delta R.T. -0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Tgt Ion:	146	Resp:	527074
Ion Ratio	Lower	Upper	
146	100		
111	35.5	17.3	51.7
148	65.3	32.1	96.3





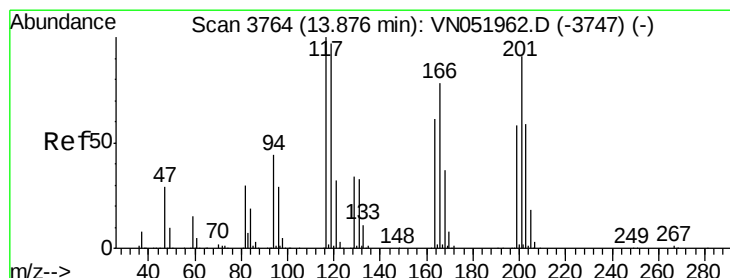
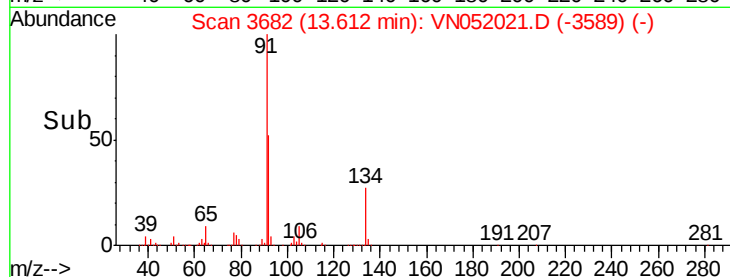
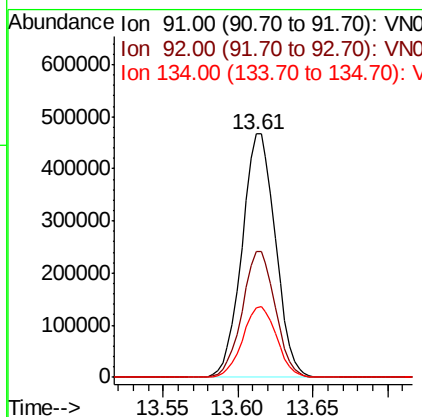
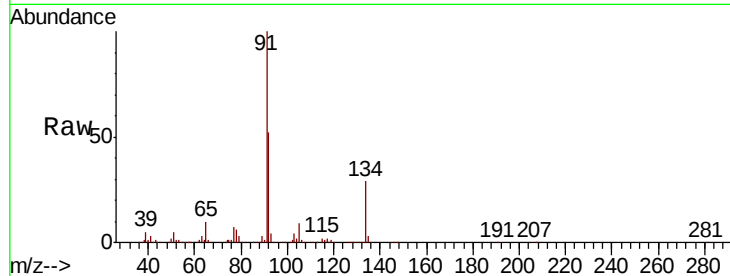
#89
n-Butylbenzene
Concen: 19.688 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Instrument :
MSVOA_N
ClientSampleId :
VN1026WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.9	77.8
134	29.4	15.2	45.6

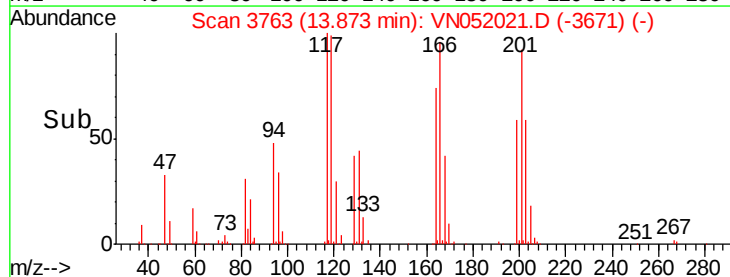
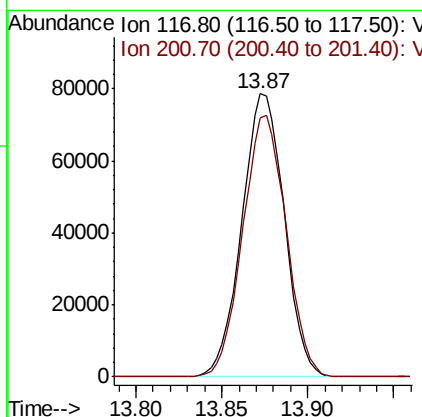
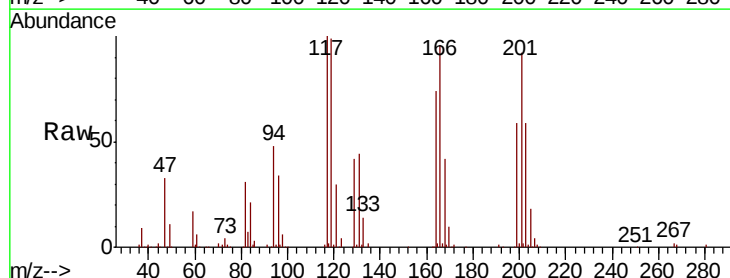
Manual Integrations
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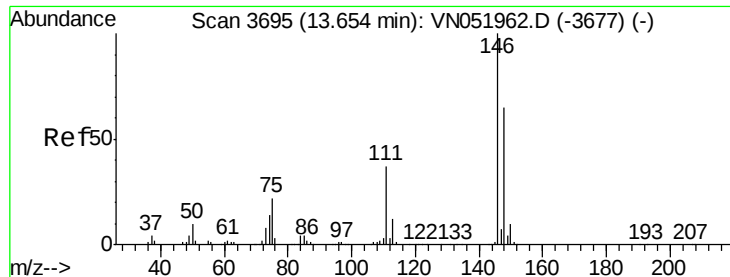
MMDadoda
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#90
Hexachloroethane
Concen: 19.468 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN052021.D
Acq: 26 Oct 2018 12:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.2	45.6	136.9





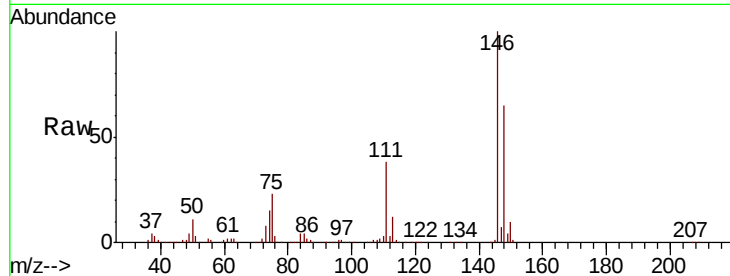
#91
 1,2-Dichlorobenzene
 Concen: 19.250 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.3	54.9
148	65.4	32.4	97.0

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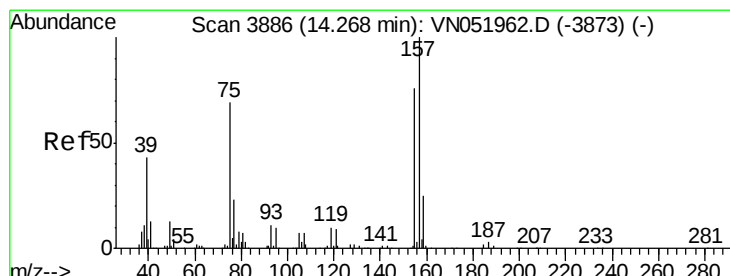
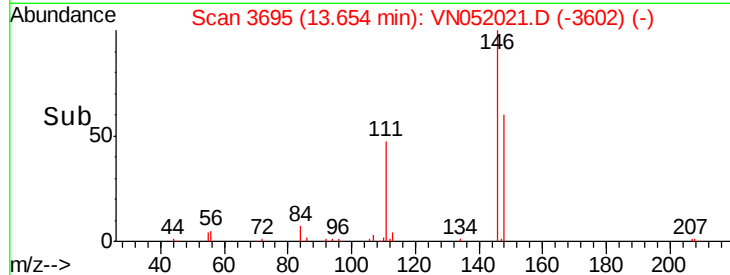
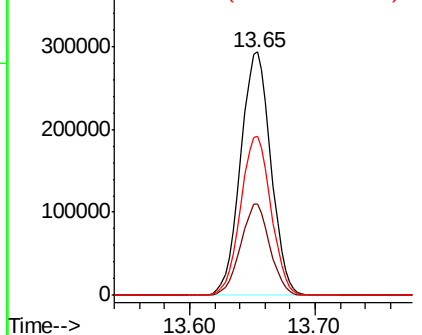


Abundance

Ion 145.90 (145.60 to 146.60): V

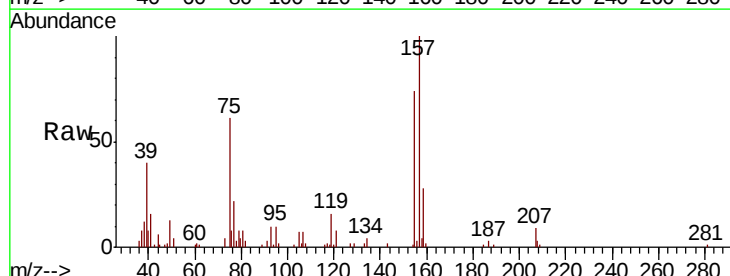
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 13.117 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	124.3	56.0	167.9
157	159.2	73.9	221.6

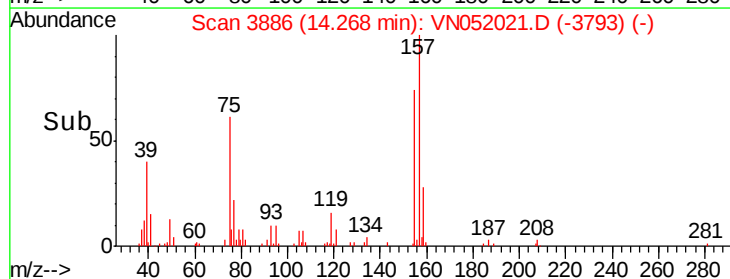
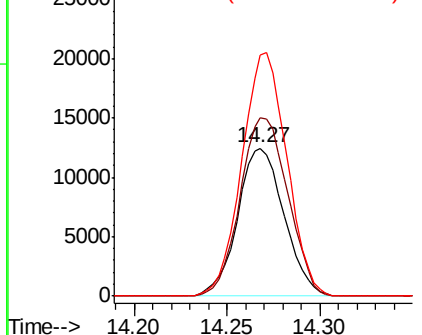


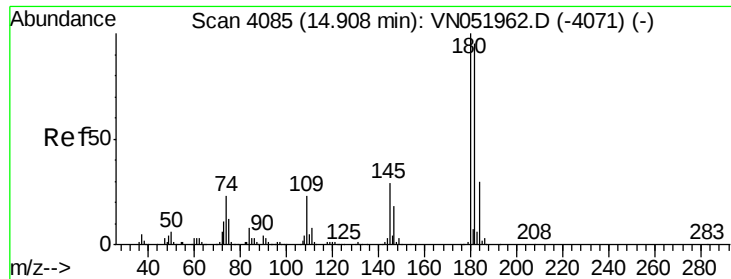
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





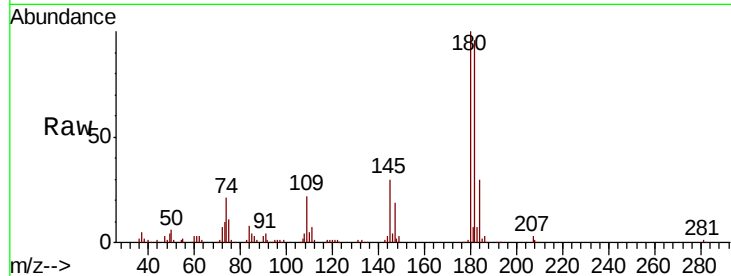
#93
 1,2,4-Trichlorobenzene
 Concen: 12.500 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1026WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	188955		
182	96.4	47.8	143.4	
145	29.0	14.5	43.5	

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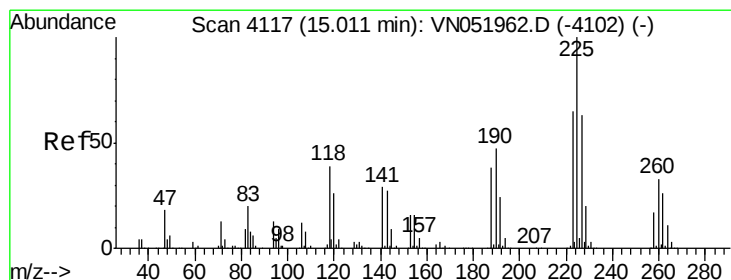
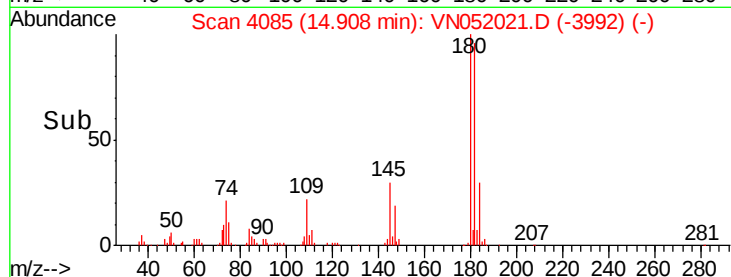
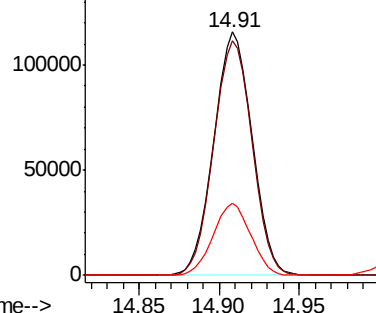


Abundance

Ion 179.80 (179.50 to 180.50): V

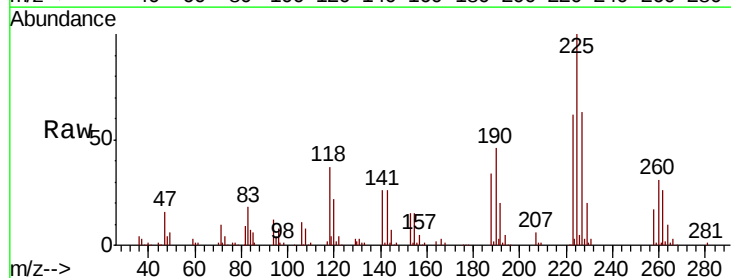
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 15.460 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052021.D
 Acq: 26 Oct 2018 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	120079		
223	61.5	31.8	95.4	
227	63.1	31.4	94.2	

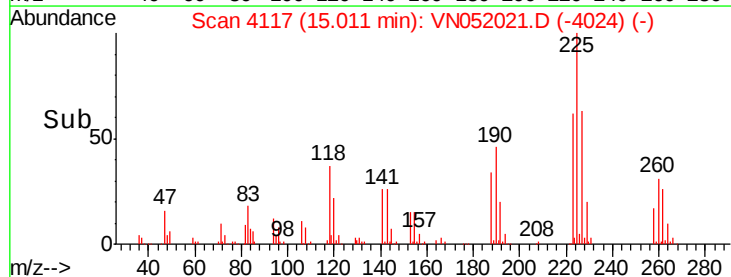
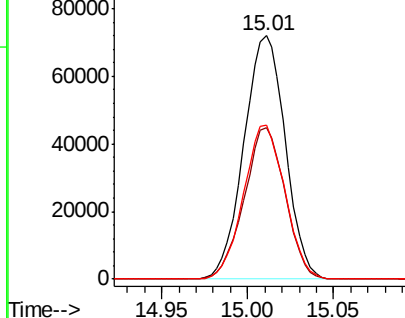


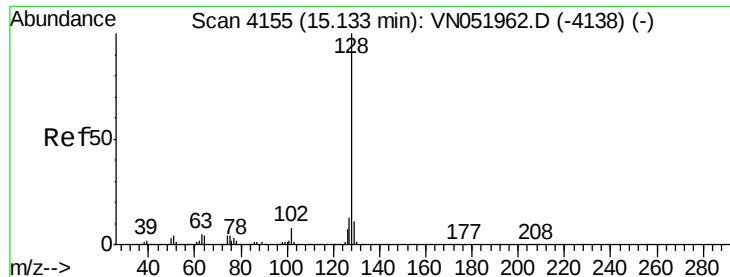
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 11.023 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Instrument :

MSVOA_N

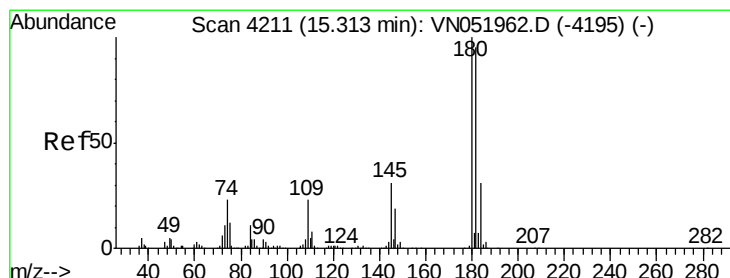
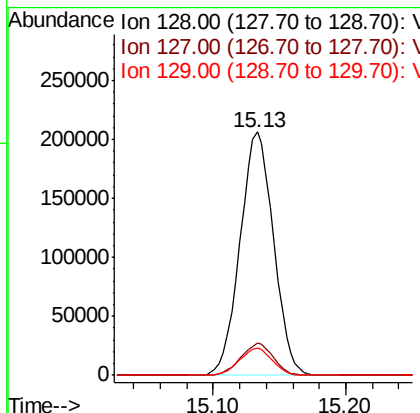
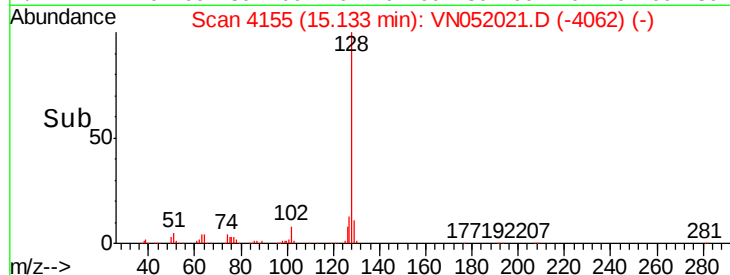
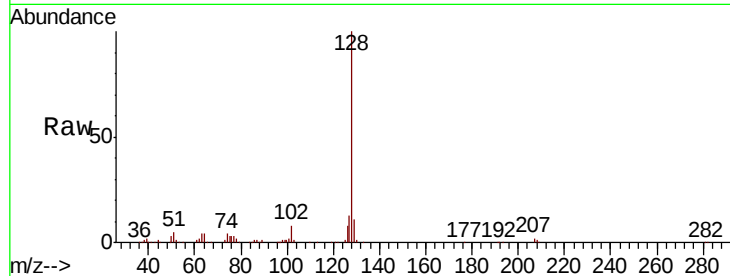
ClientSampleId :

VN1026WBS01

Tot Ion:	128	Resp:	361862
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	11.0	8.6	13.0

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#96

1,2,3-Trichlorobenzene

Concen: 10.888 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052021.D

Acq: 26 Oct 2018 12:06

Tgt Ion:	180	Resp:	157315
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.9	143.6
145	28.6	15.4	46.2

