

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112018\
 Data File : VN052401.D
 Acq On : 20 Nov 2018 12:25
 Operator : MD\SY
 Sample : VN1120WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1120WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/21/2018 5:12:33 PM

Quant Time: Nov 20 13:28:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	260019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	435911	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	388422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	174722	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	200214	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	
35) Dibromofluoromethane	7.59	113	150442	53.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.02%	
50) Toluene-d8	10.09	98	563784	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
62) 4-Bromofluorobenzene	12.40	95	189559	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	55035	19.97	ug/l	98
3) Chloromethane	2.06	50	72944	19.05	ug/l	98
4) Vinyl Chloride	2.19	62	65676	19.84	ug/l	97
5) Bromomethane	2.58	94	36626	17.75	ug/l	96
6) Chloroethane	2.71	64	39046	20.86	ug/l	99
7) Trichlorofluoromethane	3.02	101	95594	20.87	ug/l	99
8) Diethyl Ether	3.41	74	34172	19.58	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.77	101	57437	19.86	ug/l	98
10) Methyl Iodide	3.96	142	57863	14.90	ug/l	96
11) Tert butyl alcohol	4.78	59	18798	96.92	ug/l #	91
12) 1,1-Dichloroethene	3.74	96	50896	19.01	ug/l	96
13) Acrolein	3.61	56	24076	96.91	ug/l	99
14) Allyl chloride	4.33	41	110989	20.19	ug/l	95
15) Acrylonitrile	4.99	53	109721	99.08	ug/l	98
16) Acetone	3.82	43	109389	108.18	ug/l	94
17) Carbon Disulfide	4.06	76	153549	20.01	ug/l	96
18) Methyl Acetate	4.33	43	57047	20.39	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	155423	20.21	ug/l	98
20) Methylene Chloride	4.55	84	62106	19.77	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	54937	19.06	ug/l	97
22) Diisopropyl ether	5.95	45	232626	20.74	ug/l	95
23) Vinyl Acetate	5.90	43	724993	95.30	ug/l	100
24) 1,1-Dichloroethane	5.85	63	122237	20.33	ug/l	99
25) 2-Butanone	6.84	43	146260	102.76	ug/l	95
26) 2,2-Dichloropropane	6.83	77	82829	18.73	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	63645	18.97	ug/l	93
28) Bromochloromethane	7.19	49	67902	21.96	ug/l	95
29) Tetrahydrofuran	7.21	42	91771	98.15	ug/l	99
30) Chloroform	7.37	83	118633	20.70	ug/l	97
31) Cyclohexane	7.66	56	114443	19.86	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	96913	19.85	ug/l	96
36) 1,1-Dichloropropene	7.79	75	89046	20.38	ug/l	100
37) Ethyl Acetate	6.93	43	62513	19.71	ug/l	96
38) Carbon Tetrachloride	7.77	117	84885	21.15	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	100468	20.14	ug/l	99
40) Benzene	8.04	78	249305	19.97	ug/l	97
41) Methacrylonitrile	7.18	41	36489	22.88	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	98639	22.16	ug/l	99
43) Isopropyl Acetate	8.17	43	111726	18.26	ug/l	100
44) Trichloroethene	8.84	130	61459	19.99	ug/l	98
45) 1,2-Dichloropropane	9.12	63	71627	20.22	ug/l	100
46) Dibromomethane	9.21	93	41590	20.28	ug/l	97
47) Bromodichloromethane	9.40	83	90532	21.51	ug/l	99
48) Methyl methacrylate	9.20	41	55215	17.78	ug/l	97
49) 1,4-Dioxane	9.20	88	10232	429.31	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	315718	102.51	ug/l	99
52) Toluene	10.16	92	151827	20.33	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	82685	19.48	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	95918	19.83	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	52438	19.37	ug/l	98
56) Ethyl methacrylate	10.43	69	65035	18.27	ug/l	97
57) 1,3-Dichloropropane	10.71	76	97048	20.24	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	203683	100.50	ug/l	98
59) 2-Hexanone	10.75	43	213000	100.54	ug/l	98
60) Dibromochloromethane	10.90	129	60854	20.78	ug/l	100
61) 1,2-Dibromoethane	11.01	107	51513	19.11	ug/l	99
64) Tetrachloroethene	10.63	164	55148	19.97	ug/l	99
65) Chlorobenzene	11.43	112	165071	20.11	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	58641	20.95	ug/l	99
67) Ethyl Benzene	11.51	91	289267	20.30	ug/l	100
68) m/p-Xylenes	11.62	106	213668	41.04	ug/l	97
69) o-Xylene	11.95	106	103711	20.78	ug/l	98
70) Styrene	11.96	104	167311	20.94	ug/l	99
71) Bromoform	12.13	173	35895	21.71	ug/l #	98
73) Isopropylbenzene	12.25	105	281537	20.04	ug/l	97
74) N-amyl acetate	12.07	43	88006	17.59	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	66330	19.53	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	60195m	20.30	ug/l	
77) Bromobenzene	12.53	156	63749	19.50	ug/l	98
78) n-propylbenzene	12.59	91	336189	20.46	ug/l	98
79) 2-Chlorotoluene	12.67	91	195972	20.42	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	231629	20.73	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	16449	18.00	ug/l	92
82) 4-Chlorotoluene	12.77	91	197143	20.05	ug/l	97
83) tert-Butylbenzene	12.99	119	198761	20.15	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	234364	20.90	ug/l	97
85) sec-Butylbenzene	13.17	105	280684	20.89	ug/l	99
86) p-Isopropyltoluene	13.29	119	236357	20.77	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	115365	19.87	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	114712	19.88	ug/l	98
89) n-Butylbenzene	13.61	91	206409	21.12	ug/l	99
90) Hexachloroethane	13.87	117	41624	20.65	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	110315	19.62	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10601	21.17	ug/l	90

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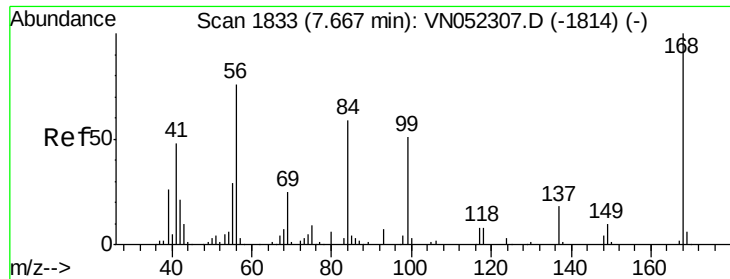
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	49198	20.21	ug/l	98
94) Hexachlorobutadiene	15.01	225	27699	21.52	ug/l	98
95) Naphthalene	15.13	128	105993	18.85	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	43893	20.54	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052401.D

Acq: 20 Nov 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN1120WBS01

Tgt Ion: 168 Resp: 260019

Ion Ratio Lower Upper

168 100

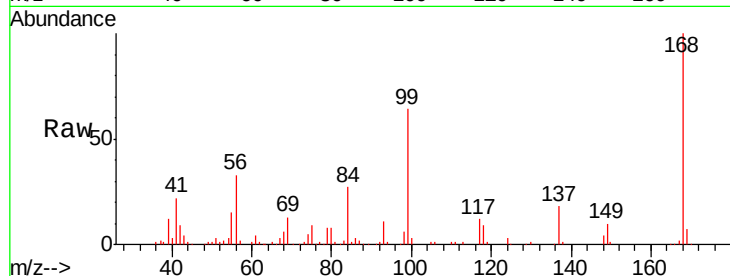
99 63.6 47.9 71.9

Manual Integrations

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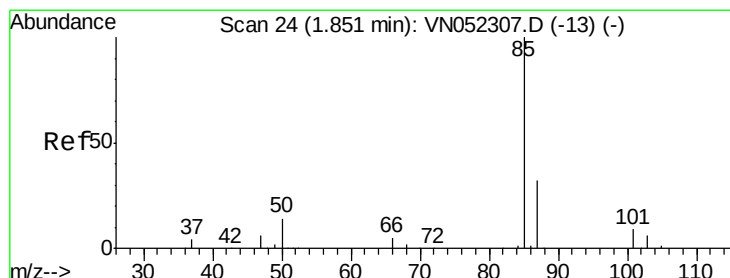
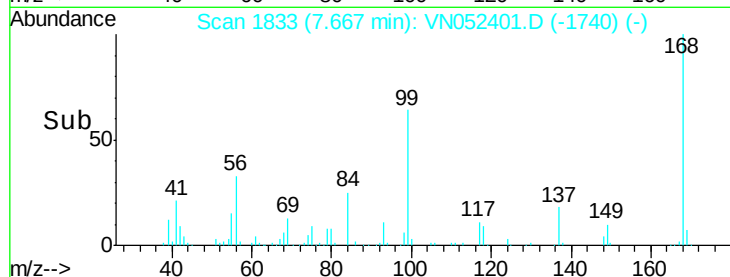
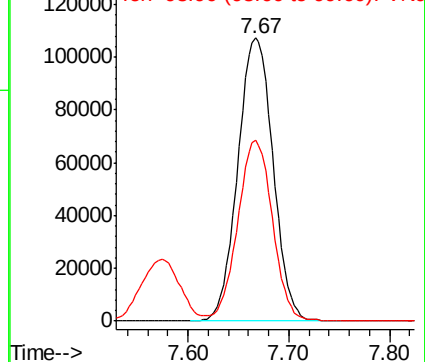
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.97 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052401.D

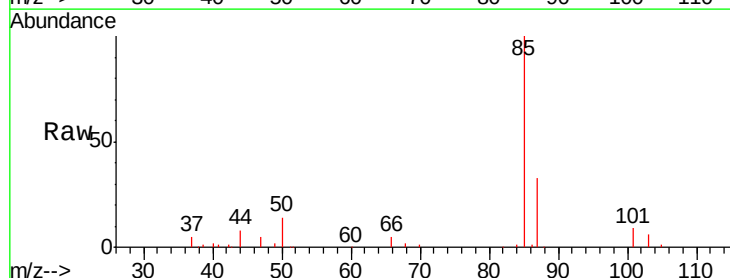
Acq: 20 Nov 2018 12:25

Tgt Ion: 85 Resp: 55035

Ion Ratio Lower Upper

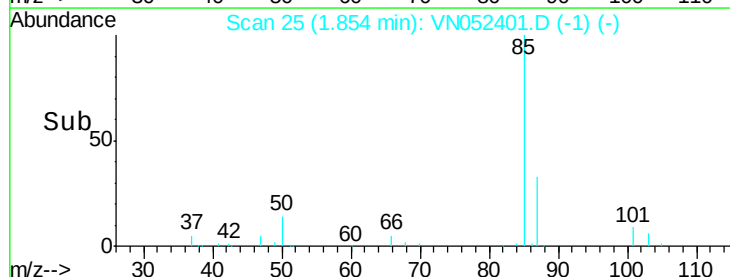
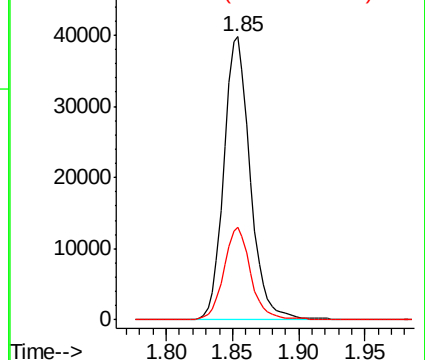
85 100

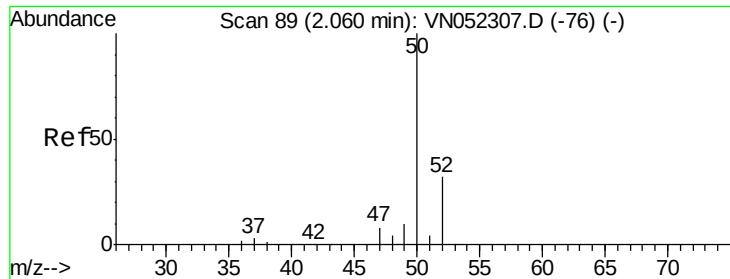
87 32.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.05 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052401.D

Acq: 20 Nov 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN1120WBS01

Tgt Ion: 50 Resp: 72944

Ion Ratio Lower Upper

50 100

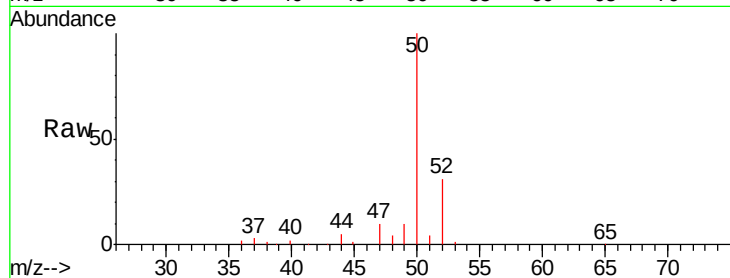
52 30.9 25.5 38.3

Manual Integrations

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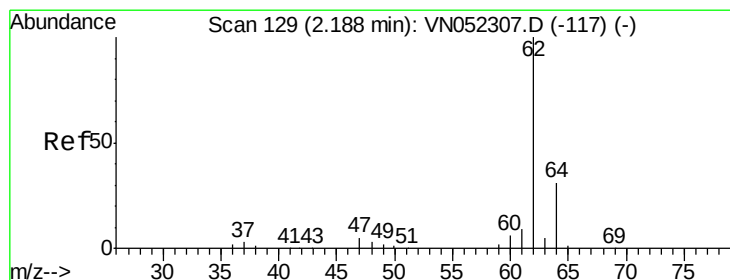
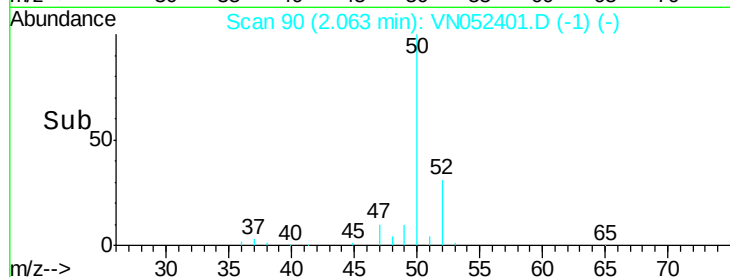
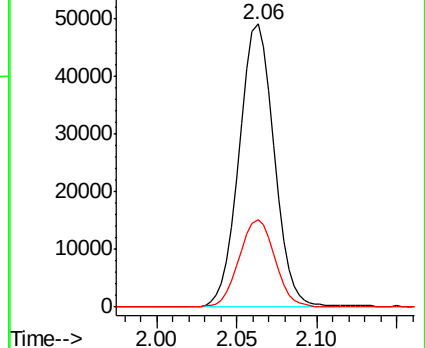
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.84 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052401.D

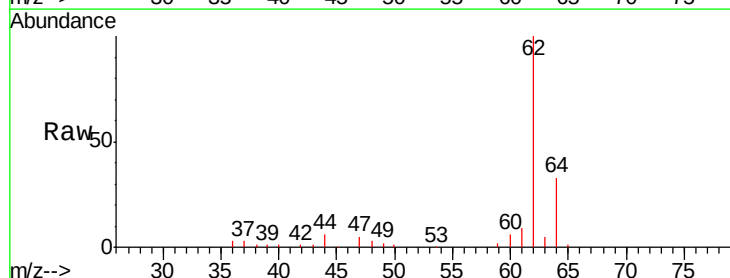
Acq: 20 Nov 2018 12:25

Tgt Ion: 62 Resp: 65676

Ion Ratio Lower Upper

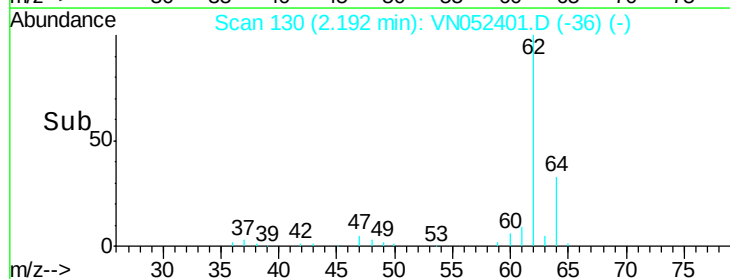
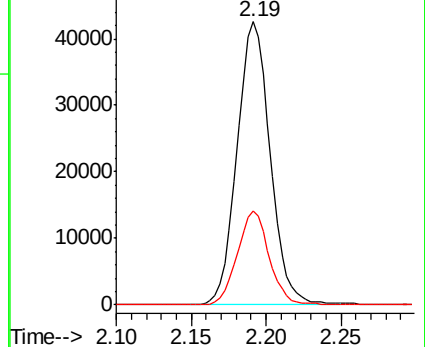
62 100

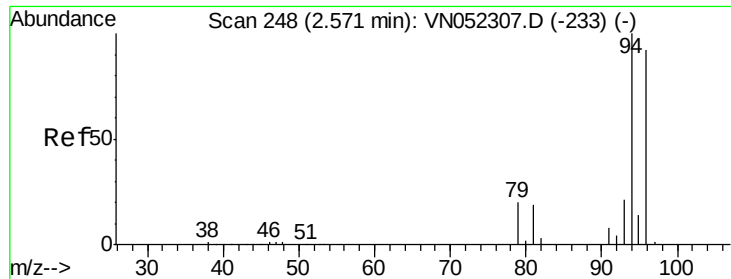
64 33.1 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 17.75 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

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ClientSampleId :

VN1120WBS01

Tgt Ion: 94 Resp: 36626

Ion Ratio Lower Upper

94 100

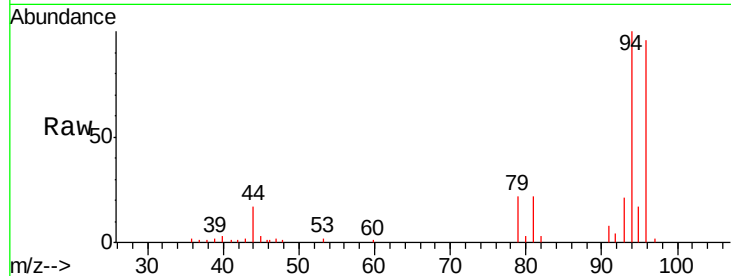
96 95.6 73.6 110.4

Manual Integrations

APPROVED

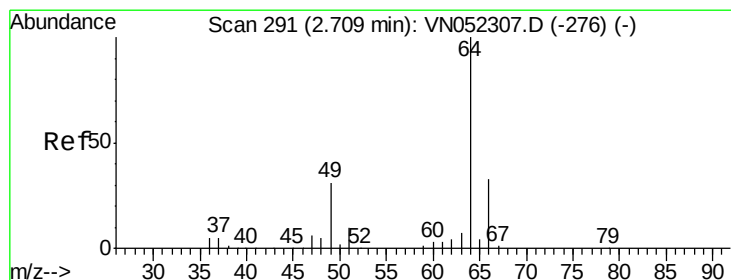
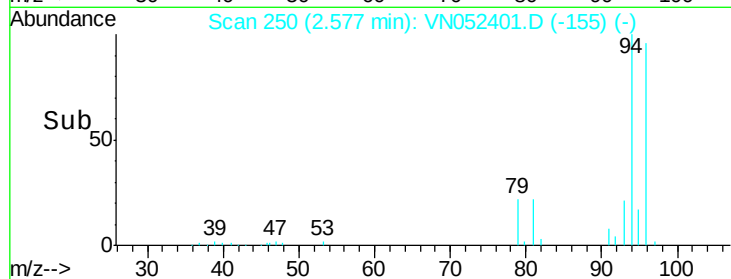
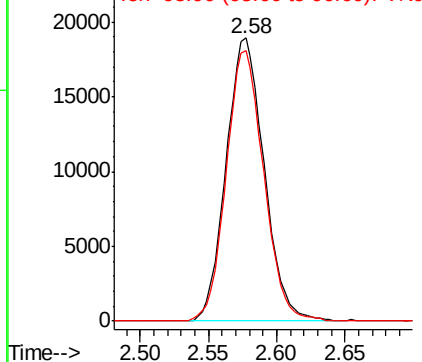
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.86 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052401.D

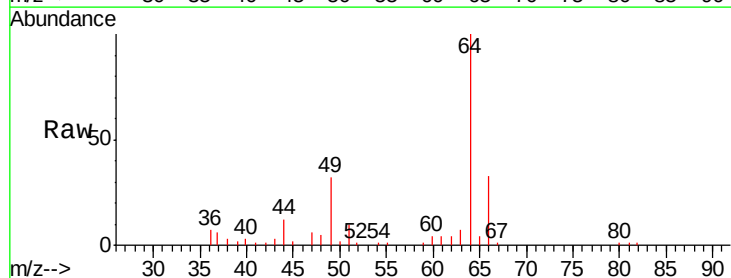
Acq: 20 Nov 2018 12:25

Tgt Ion: 64 Resp: 39046

Ion Ratio Lower Upper

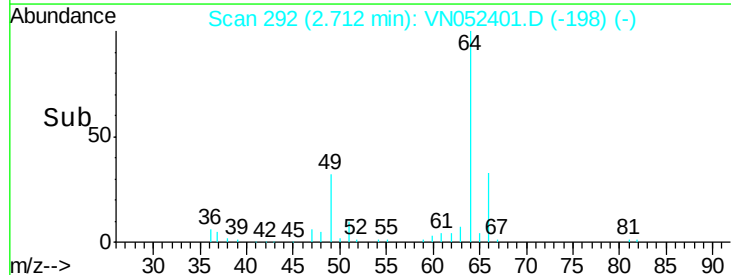
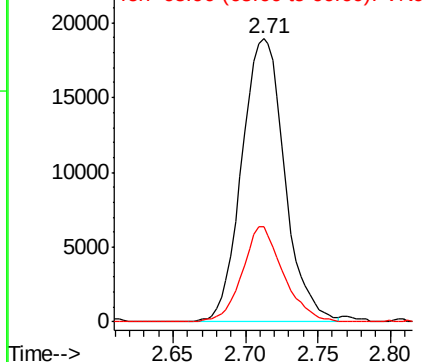
64 100

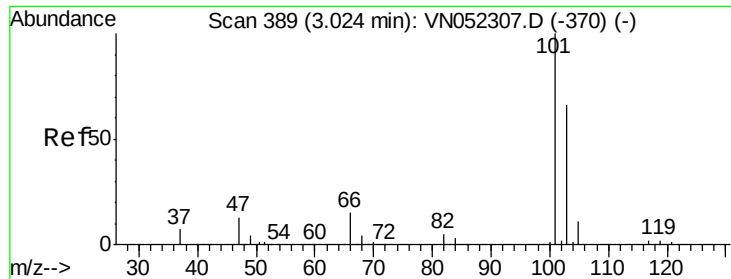
66 33.4 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

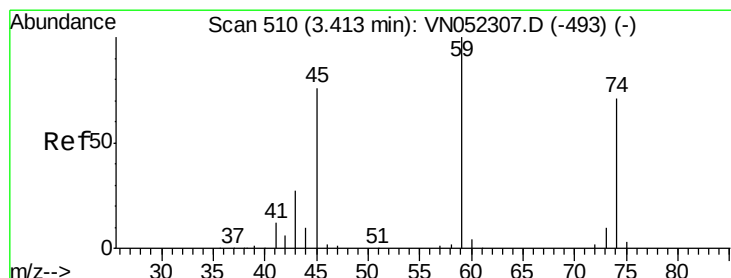
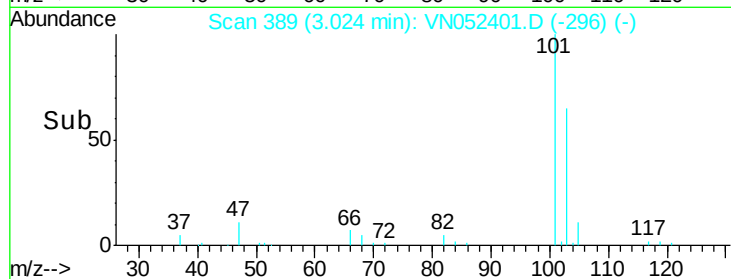
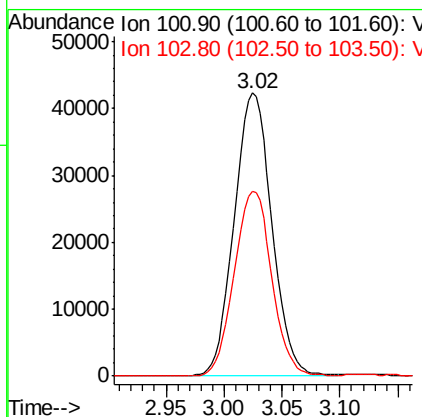
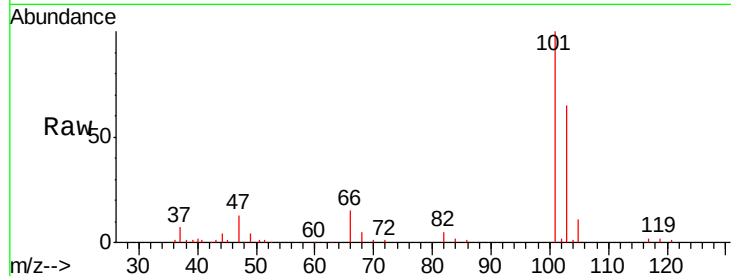
Trichlorofluoromethane
Concen: 20.87 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS01

Tgt Ion: 101 Resp: 95594
Ion Ratio Lower Upper
101 100
103 65.1 52.8 79.2

Manual Integrations
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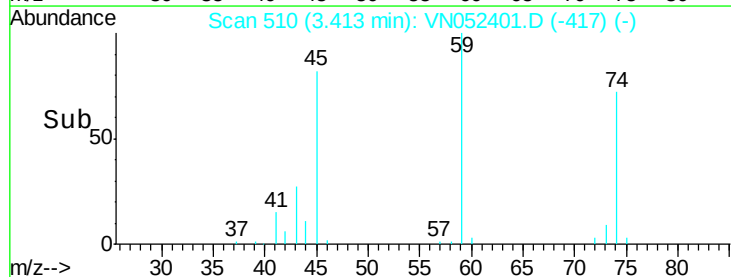
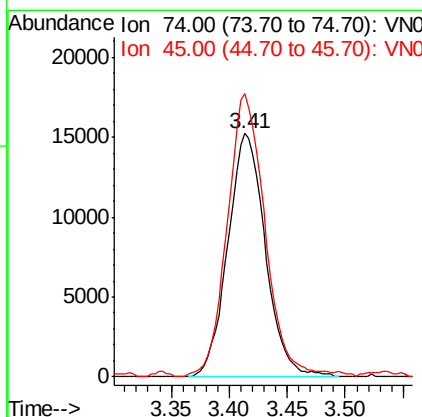
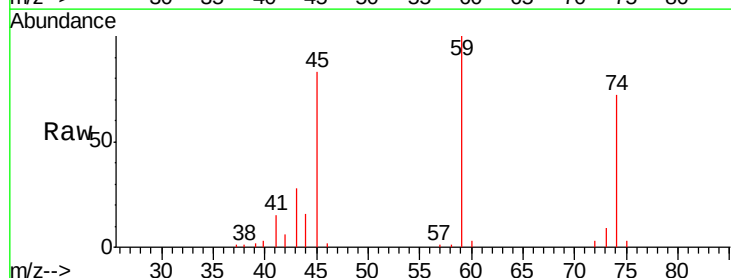
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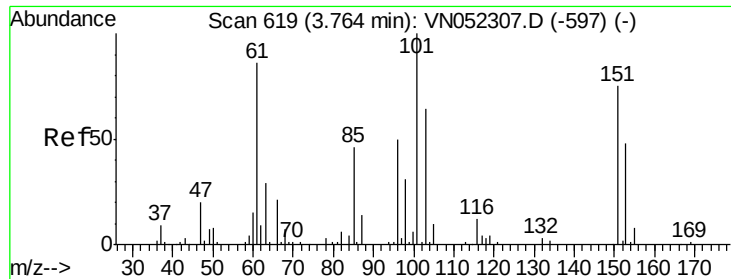


#8

Diethyl Ether
Concen: 19.58 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Tgt Ion: 74 Resp: 34172
Ion Ratio Lower Upper
74 100
45 117.0 54.3 162.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.86 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052401.D

Acq: 20 Nov 2018 12:25

Instrument :

MSVOA_N

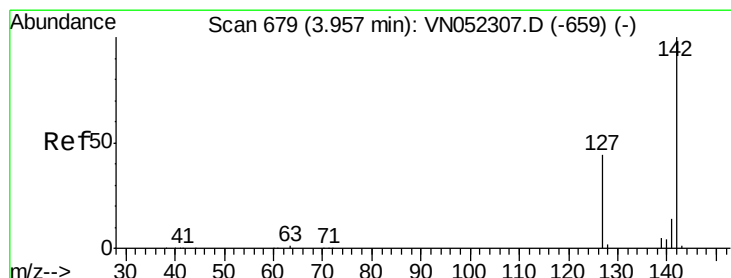
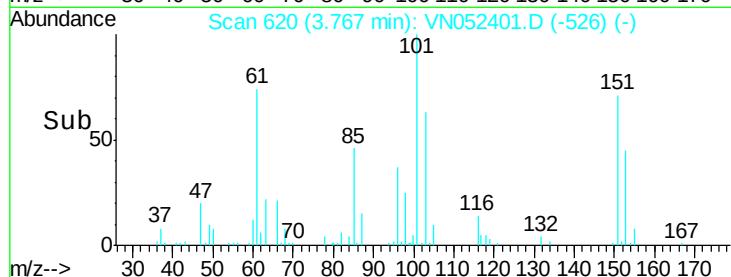
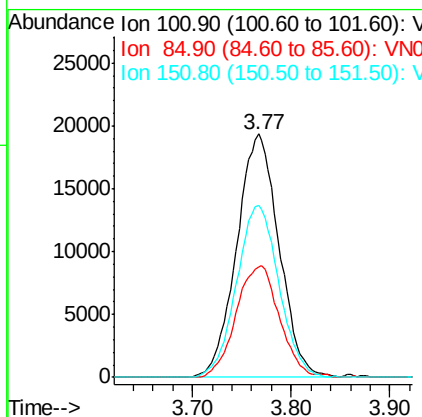
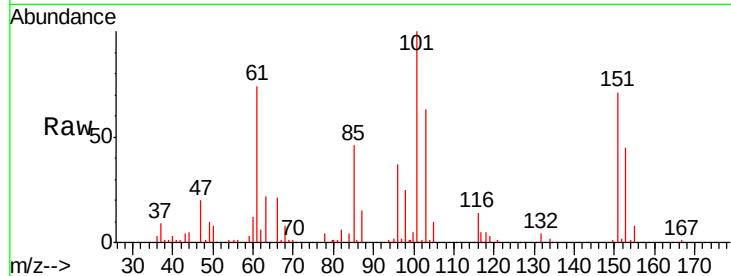
ClientSampleId :

VN1120WBS01

Tgt Ion:	101	Resp:	57437
Ion Ratio	Lower	Upper	
101	100		
85	46.8	37.4	56.0
151	70.9	58.6	88.0

Manual Integrations
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#10

Methyl Iodide

Concen: 14.90 ug/l

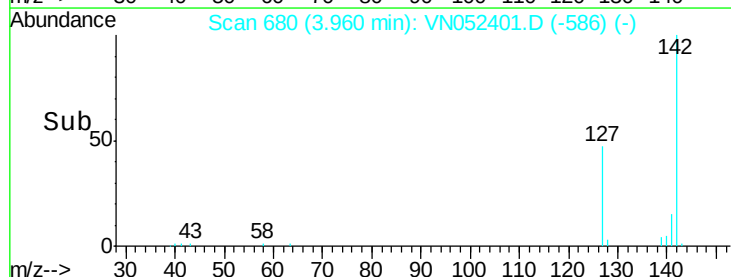
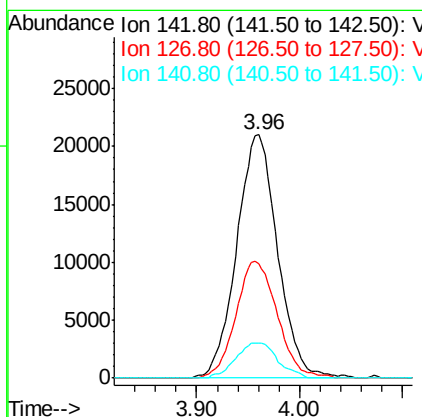
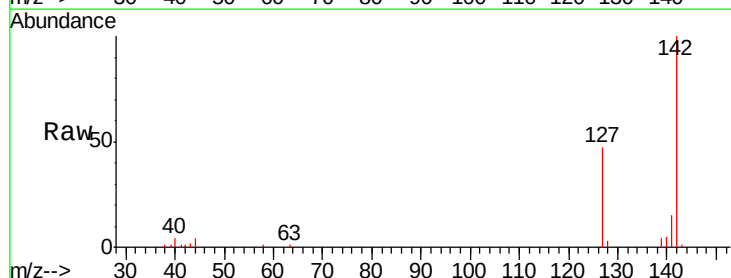
RT: 3.96 min Scan# 680

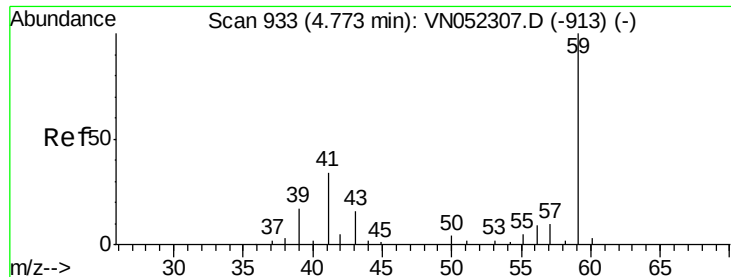
Delta R.T. 0.00 min

Lab File: VN052401.D

Acq: 20 Nov 2018 12:25

Tgt Ion:	142	Resp:	57863
Ion Ratio	Lower	Upper	
142	100		
127	48.6	36.3	54.5
141	14.8	11.4	17.2





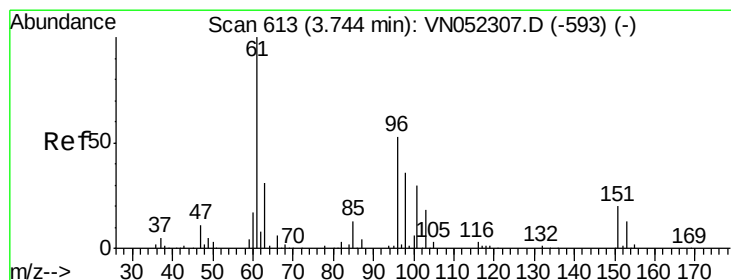
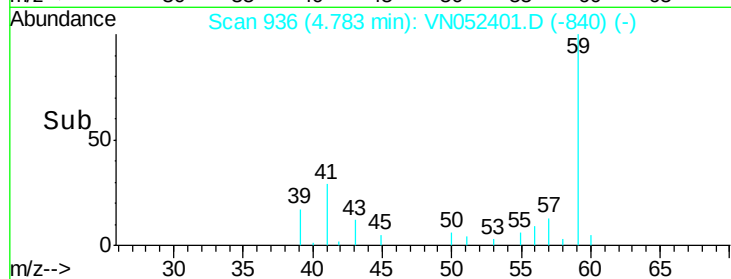
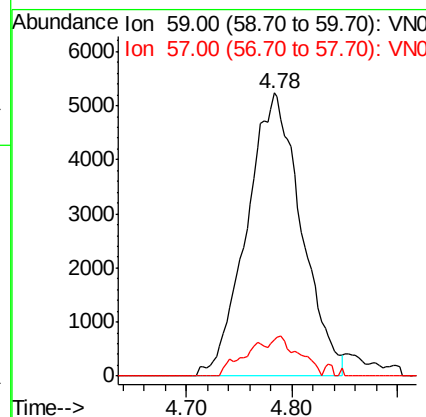
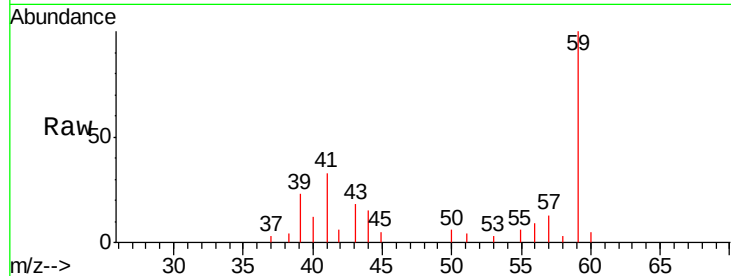
#11
Tert butyl alcohol
Concen: 96.92 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS01

Tgt Ion: 59 Resp: 18798
Ion Ratio Lower Upper
59 100
57 7.2 8.5 12.7#

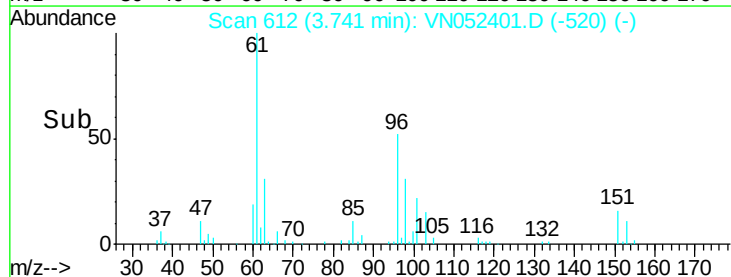
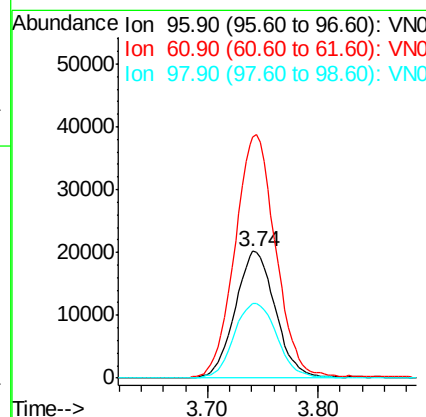
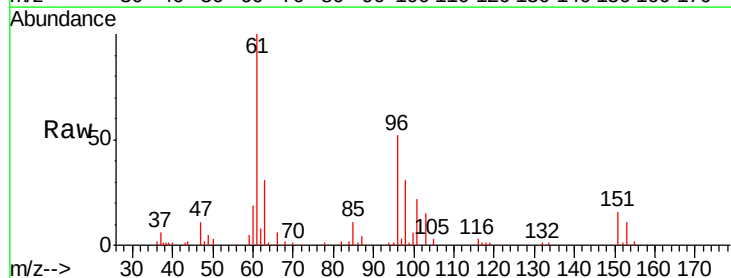
Manual Integrations
APPROVED

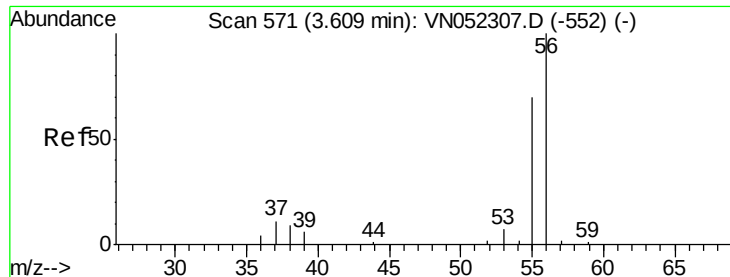
MMDadoda
11/21/2018 5:12:33 PM



#12
1,1-Dichloroethene
Concen: 19.01 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Tgt Ion: 96 Resp: 50896
Ion Ratio Lower Upper
96 100
61 189.9 149.6 224.4
98 59.1 54.2 81.2





#13

Acrolein

Concen: 96.91 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052401.D

Acq: 20 Nov 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN1120WBS01

Tgt Ion: 56 Resp: 24076

Ion Ratio Lower Upper

56 100

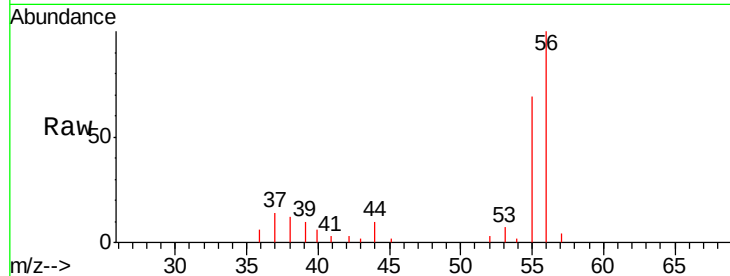
55 72.6 57.6 86.4

Manual Integrations

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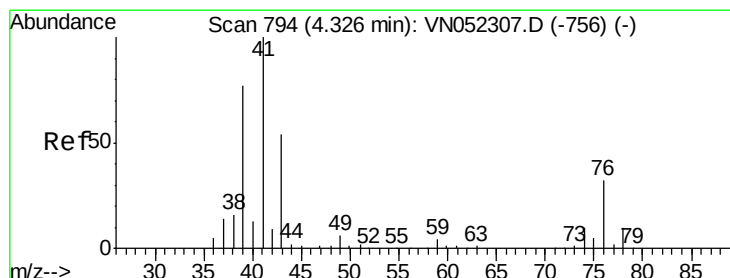
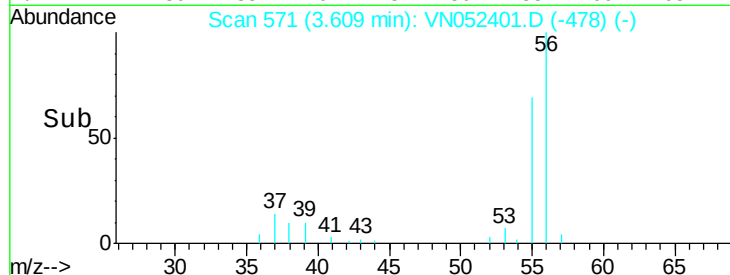
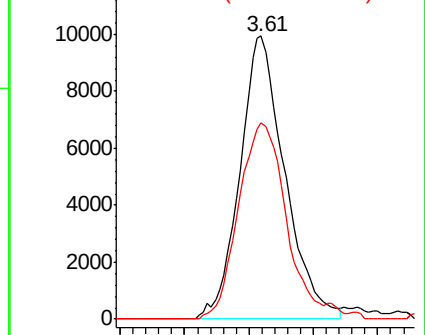
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 20.19 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052401.D

Acq: 20 Nov 2018 12:25

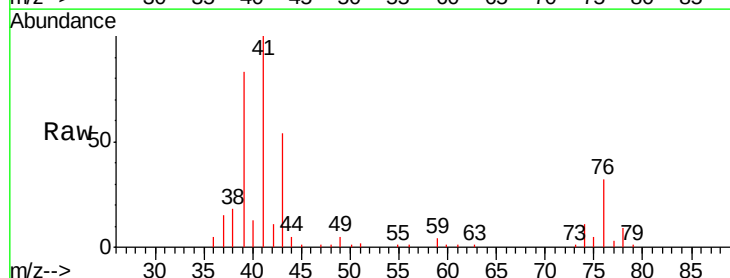
Tgt Ion: 41 Resp: 110989

Ion Ratio Lower Upper

41 100

39 78.8 59.1 88.7

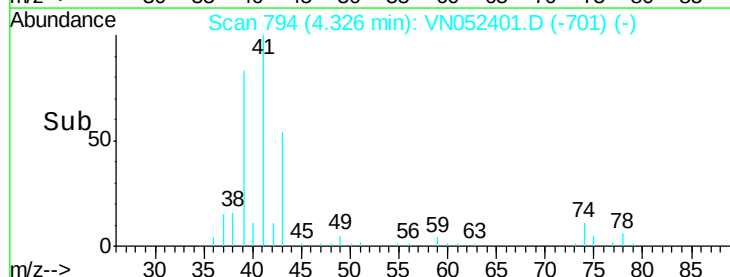
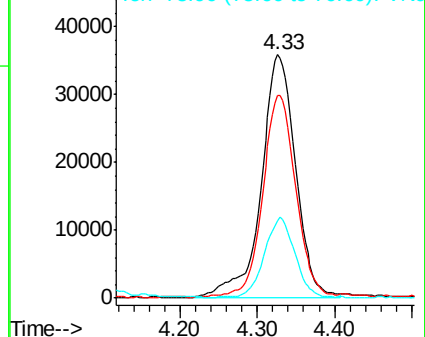
76 28.3 24.1 36.1

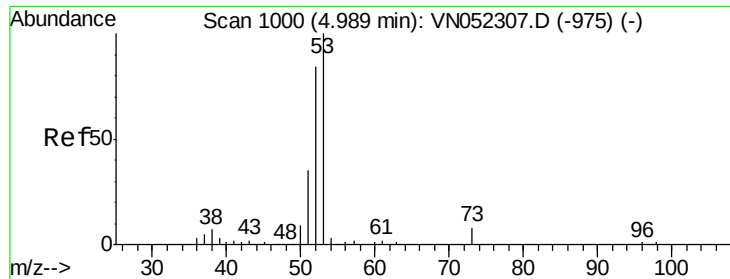


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 99.08 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052401.D

Acq: 20 Nov 2018 12:25

Instrument :

MSVOA_N

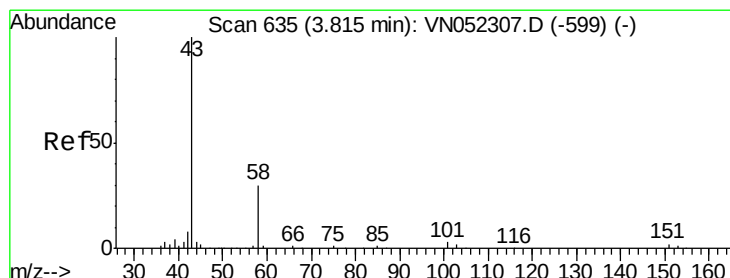
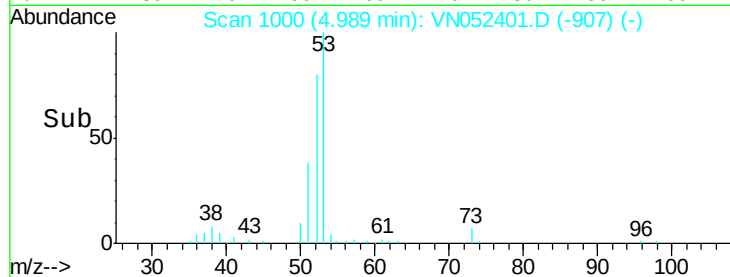
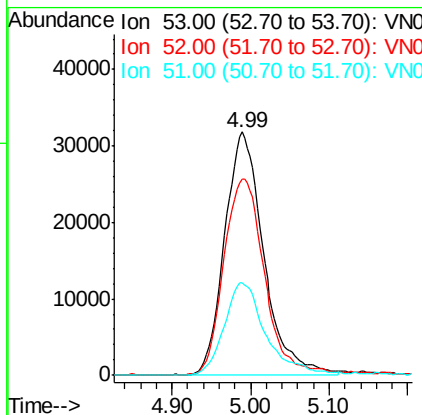
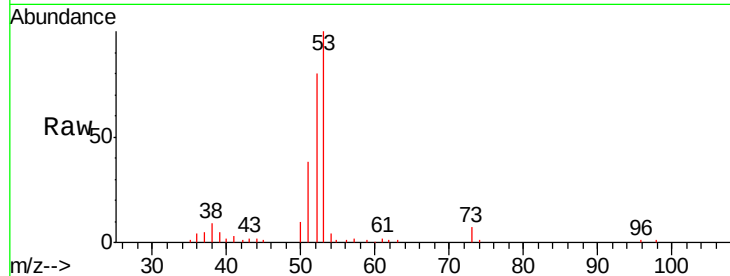
ClientSampleId :

VN1120WBS01

Tgt Ion:	53	Resp:	109721
Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.5	101.3
51	40.3	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 108.18 ug/l

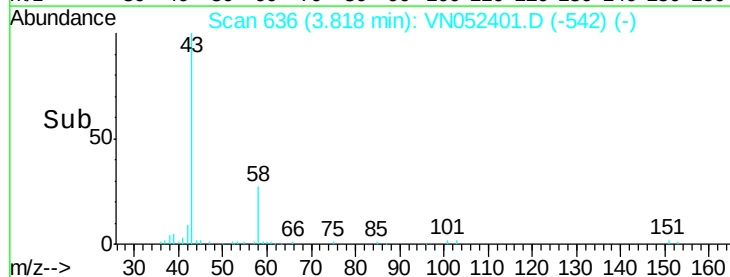
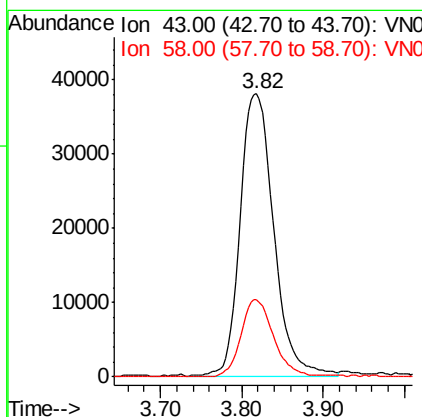
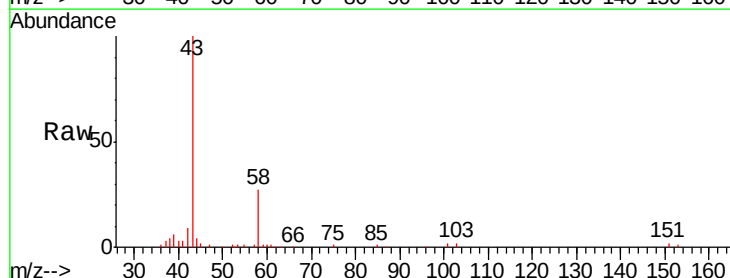
RT: 3.82 min Scan# 636

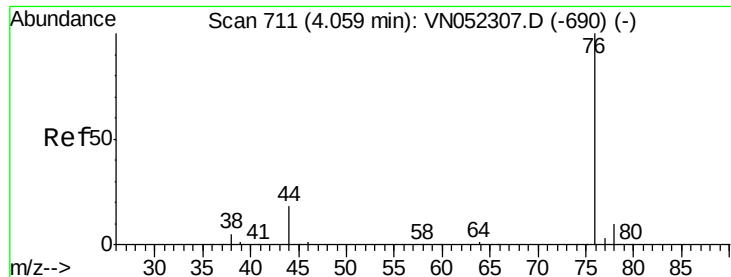
Delta R.T. 0.00 min

Lab File: VN052401.D

Acq: 20 Nov 2018 12:25

Tgt Ion:	43	Resp:	109389
Ion	Ratio	Lower	Upper
43	100		
58	27.3	24.2	36.4





#17

Carbon Disulfide

Concen: 20.01 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052401.D

Acq: 20 Nov 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN1120WBS01

Tgt Ion: 76 Resp: 153549

Ion Ratio Lower Upper

76 100

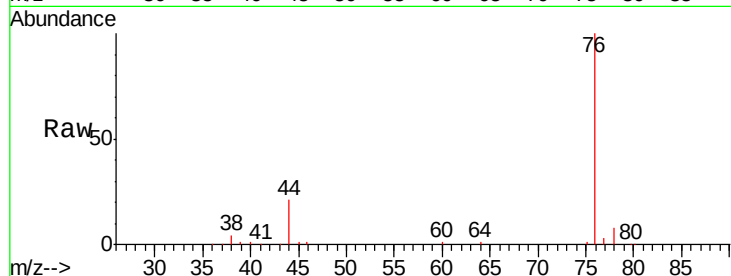
78 8.3 7.7 11.5

Manual Integrations

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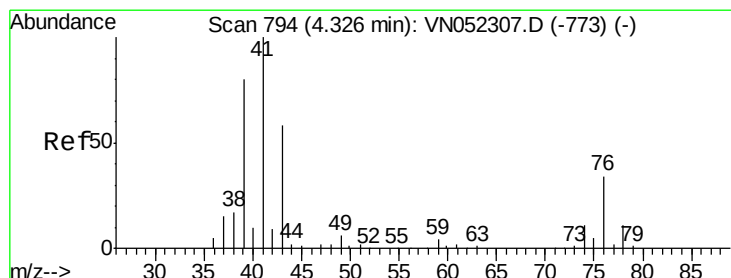
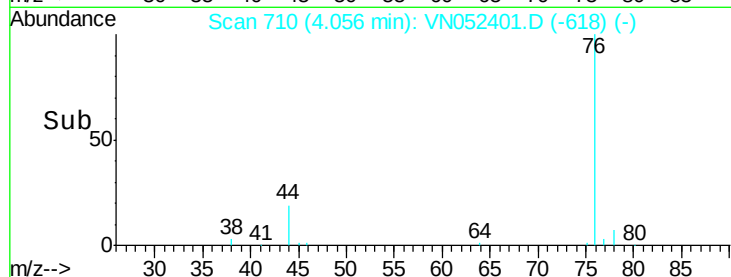
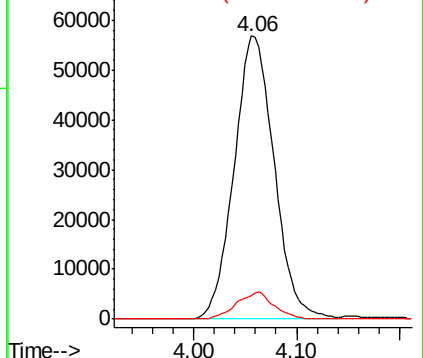
MMDadoda

11/21/2018 5:12:33 PM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 20.39 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052401.D

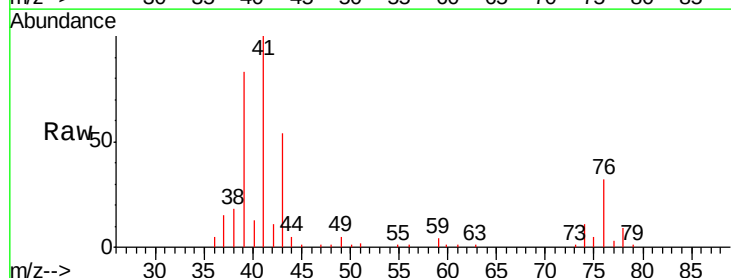
Acq: 20 Nov 2018 12:25

Tgt Ion: 43 Resp: 57047

Ion Ratio Lower Upper

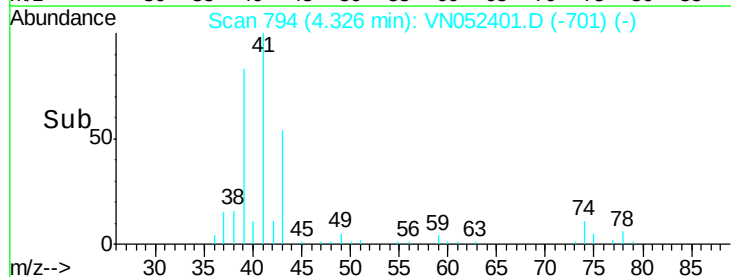
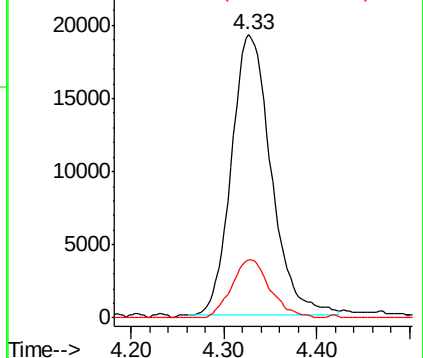
43 100

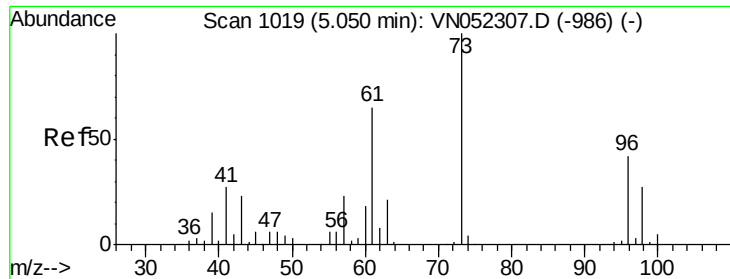
74 20.2 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





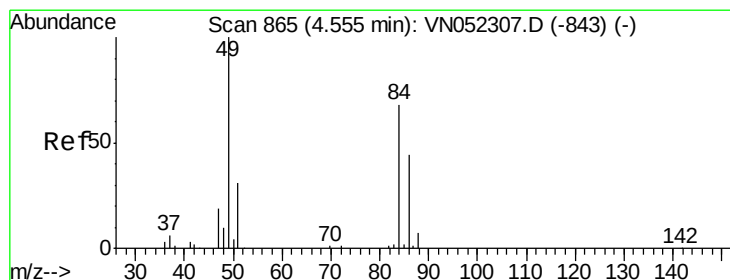
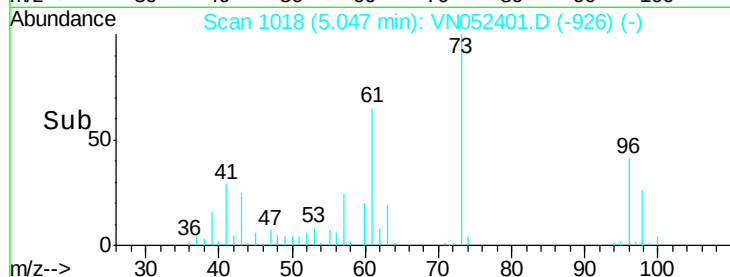
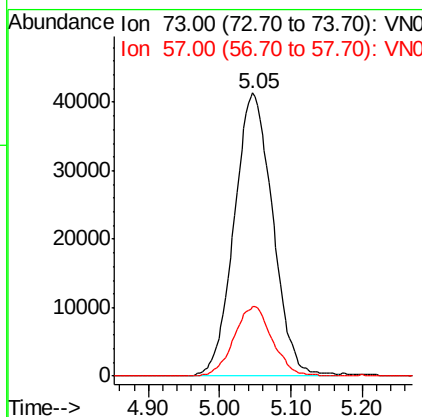
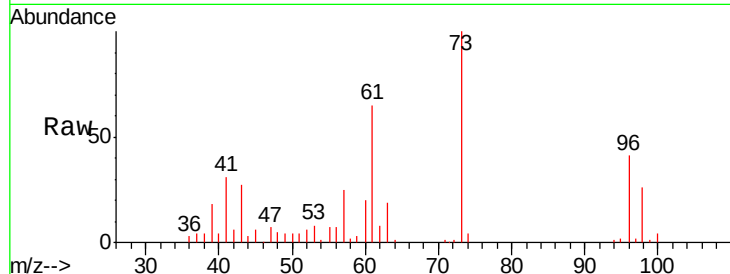
#19
Methyl tert-butyl Ether
Concen: 20.21 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS01

Tgt Ion: 73 Resp: 155423
Ion Ratio Lower Upper
73 100
57 24.5 18.7 28.1

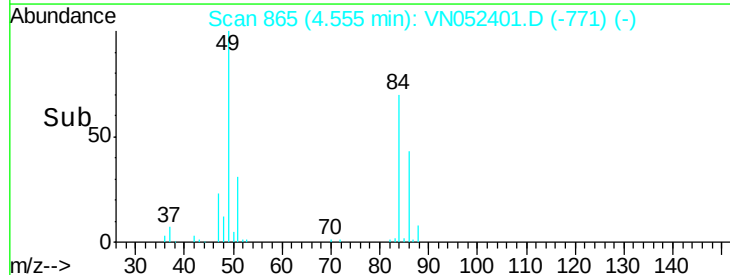
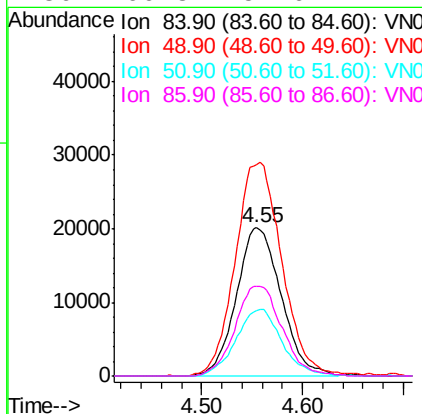
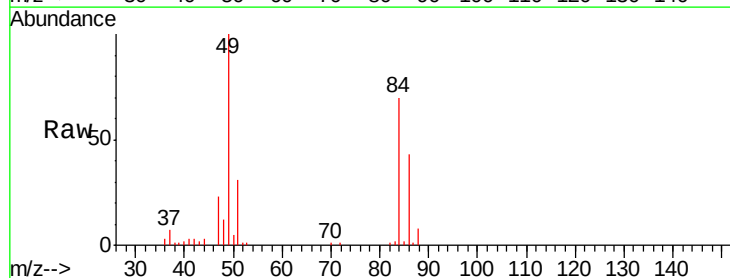
Manual Integrations
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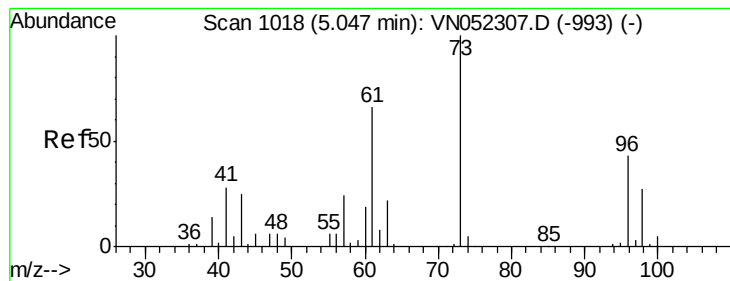
MMDadoda
11/21/2018 5:12:33 PM



#20
Methylene Chloride
Concen: 19.77 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Tgt Ion: 84 Resp: 62106
Ion Ratio Lower Upper
84 100
49 142.3 118.2 177.2
51 44.4 36.1 54.1
86 60.8 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 19.06 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052401.D

Acq: 20 Nov 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN1120WBS01

Tgt Ion: 96 Resp: 54937

Ion Ratio Lower Upper

96 100

61 159.1 123.6 185.4

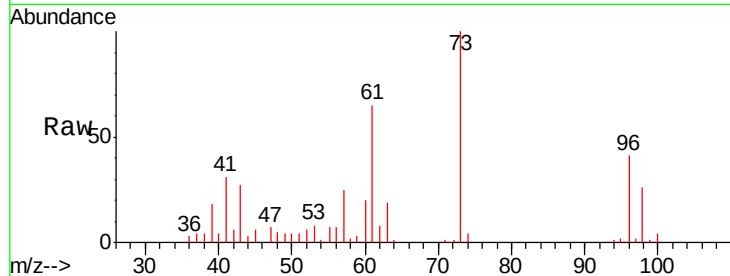
98 62.6 50.7 76.1

Manual Integrations

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MMDadoda

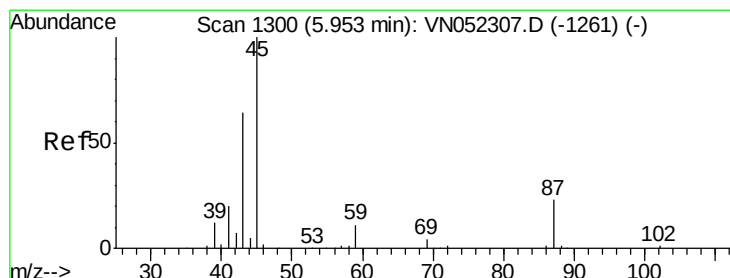
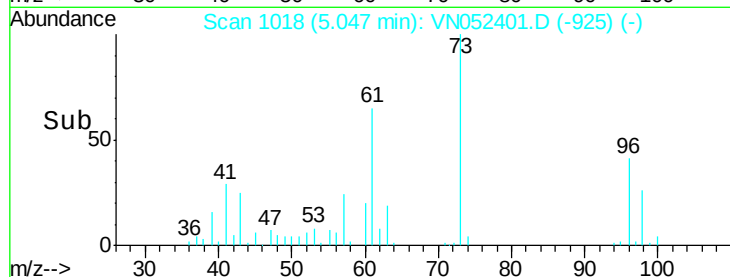
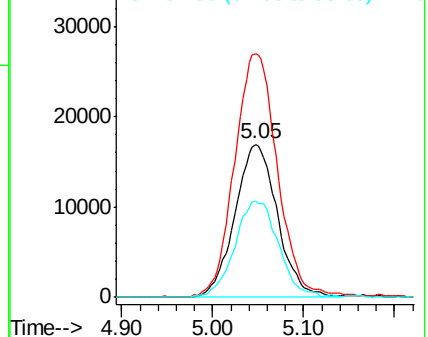
11/21/2018 5:12:33 PM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.74 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052401.D

Acq: 20 Nov 2018 12:25

Tgt Ion: 45 Resp: 232626

Ion Ratio Lower Upper

45 100

43 69.1 51.4 77.2

87 22.1 18.8 28.2

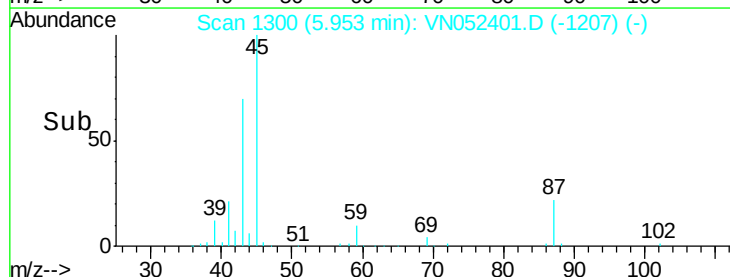
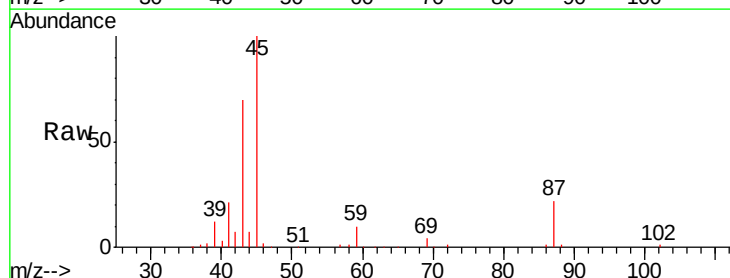
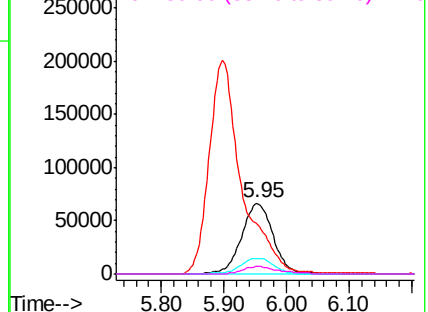
59 10.4 8.6 12.8

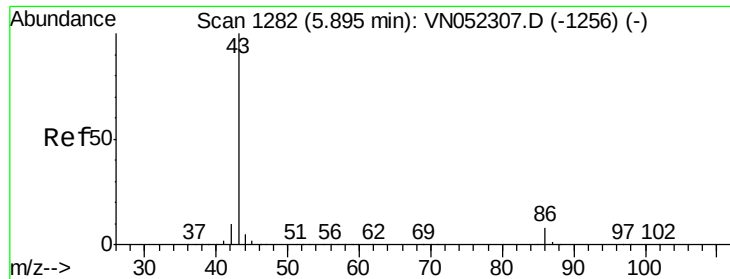
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





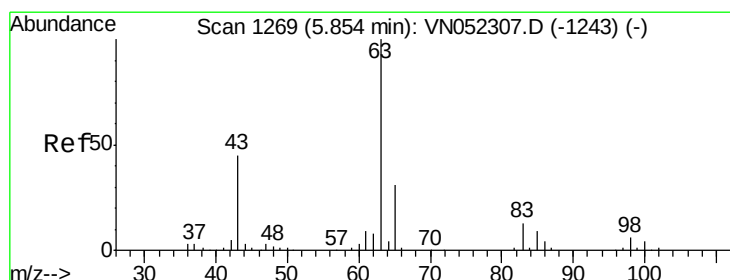
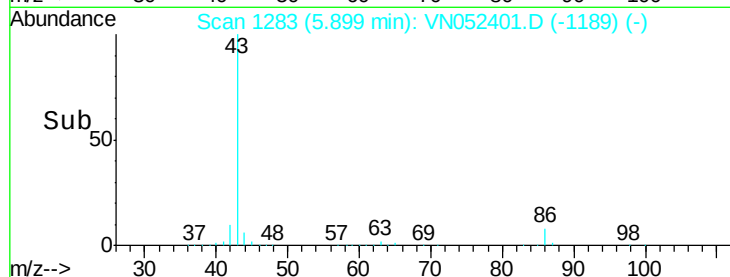
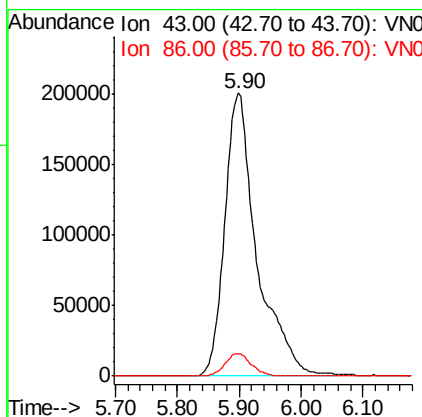
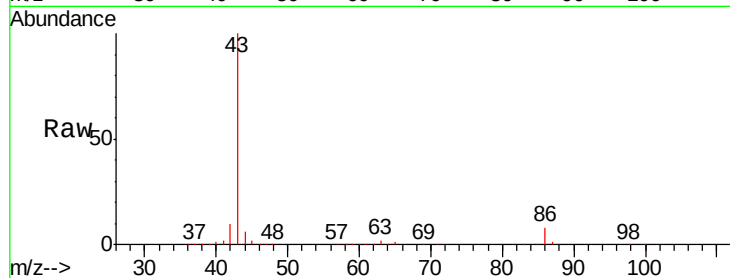
#23
 Vinyl Acetate
 Concen: 95.30 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN052401.D
 Acq: 20 Nov 2018 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1120WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.5	9.7

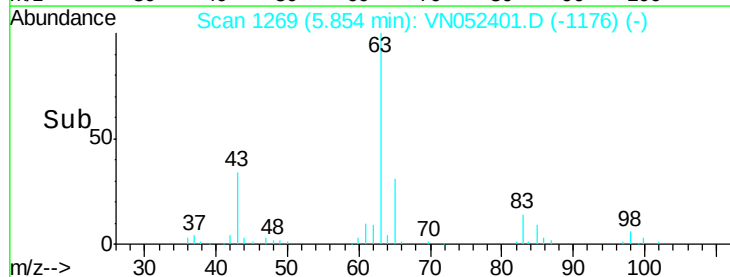
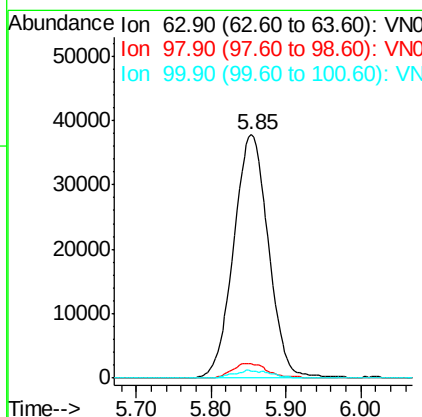
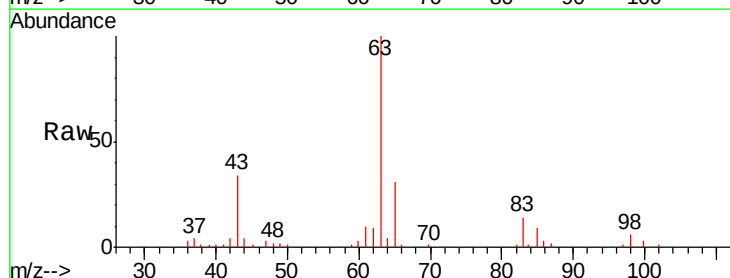
Manual Integrations
 APPROVED

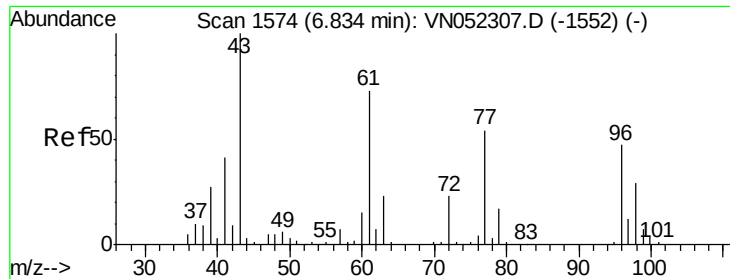
MMDadoda
 11/21/2018 5:12:33 PM



#24
 1,1-Dichloroethane
 Concen: 20.33 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052401.D
 Acq: 20 Nov 2018 12:25

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.0	2.9	8.6
100	3.1	1.9	5.7





#25

2-Butanone

Concen: 102.76 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052401.D

Acq: 20 Nov 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN1120WBS01

Tgt Ion: 43 Resp: 146260

Ion Ratio Lower Upper

43 100

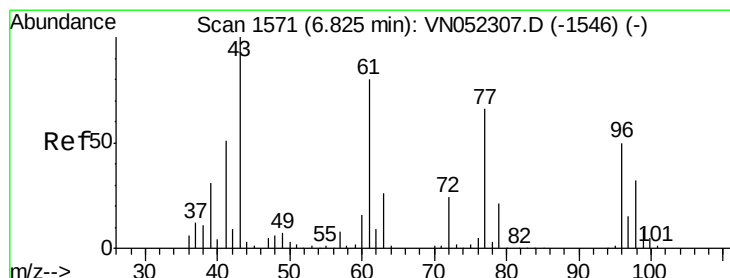
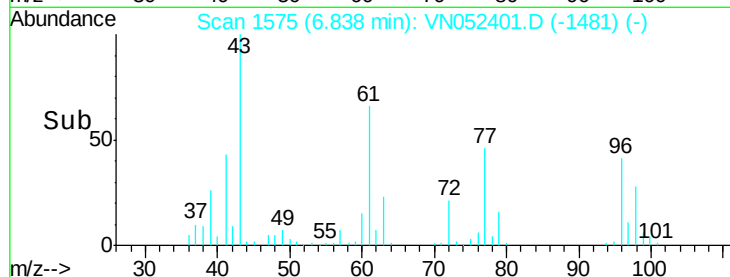
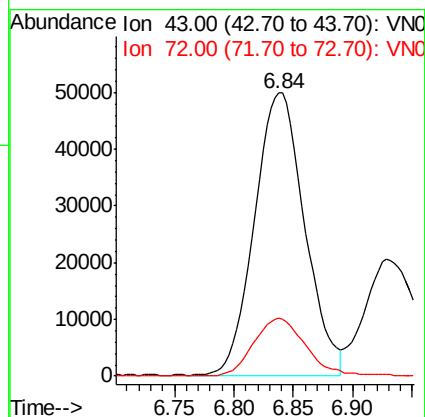
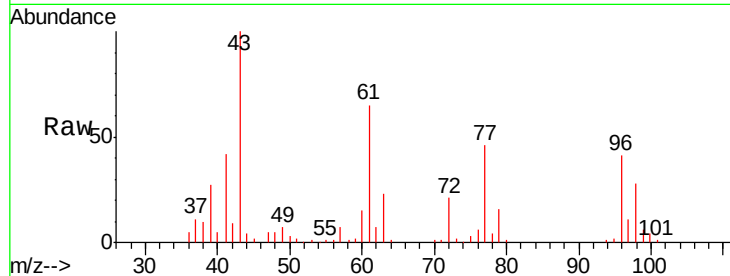
72 20.5 18.6 27.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.73 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VN052401.D

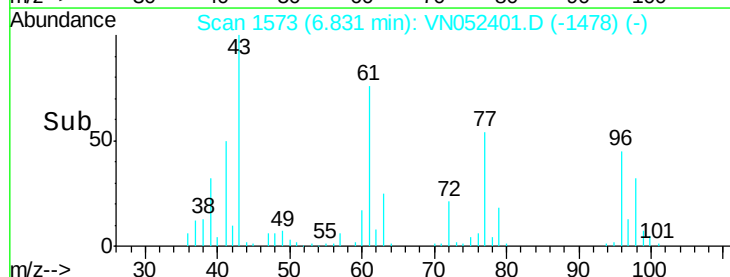
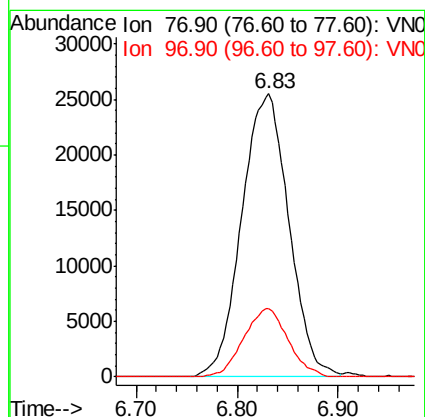
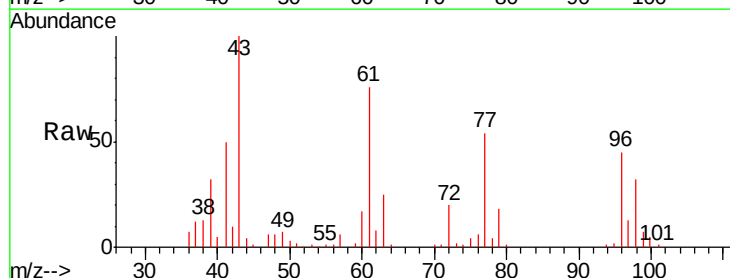
Acq: 20 Nov 2018 12:25

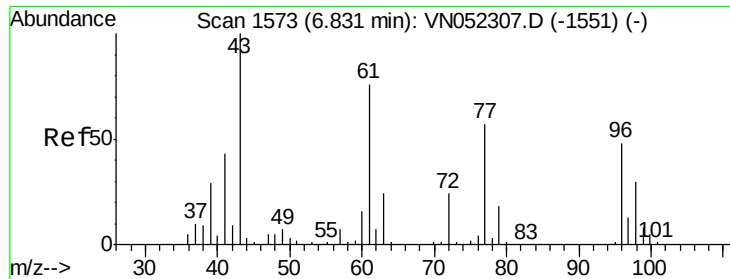
Tgt Ion: 77 Resp: 82829

Ion Ratio Lower Upper

77 100

97 22.8 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 18.97 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052401.D

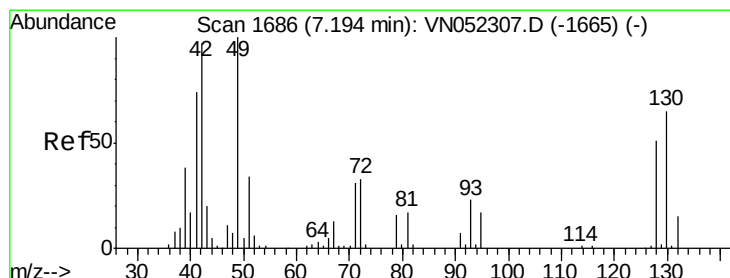
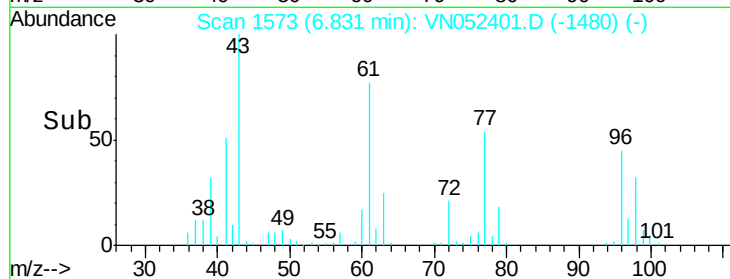
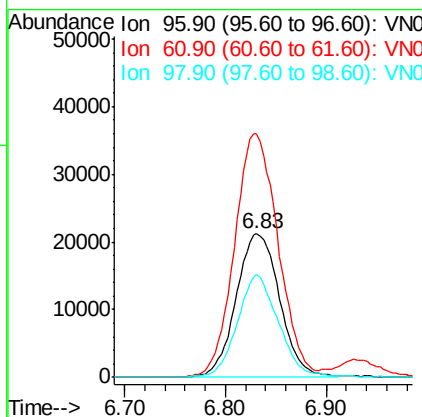
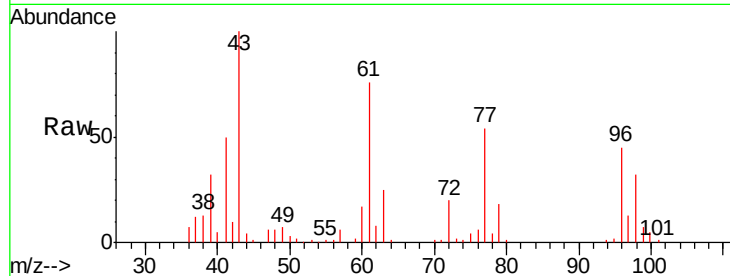
Acq: 20 Nov 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.2	0.0	316.8
98	66.8	0.0	126.6

Manual Integrations
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#28

Bromochloromethane

Concen: 21.96 ug/l

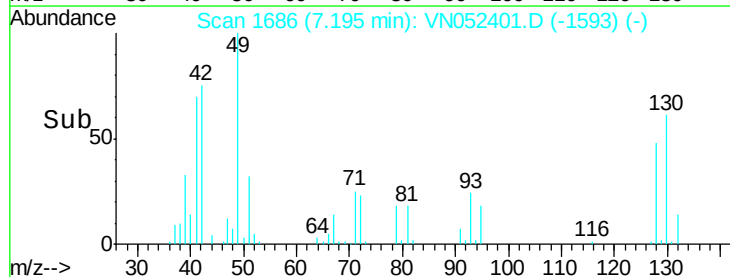
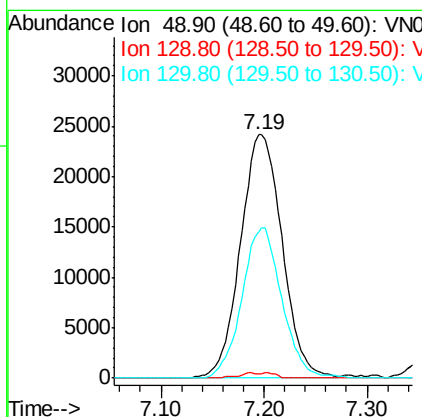
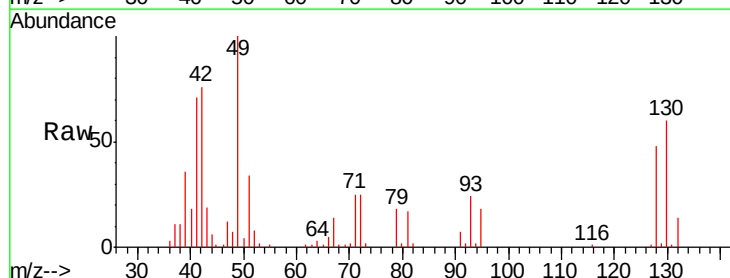
RT: 7.19 min Scan# 1686

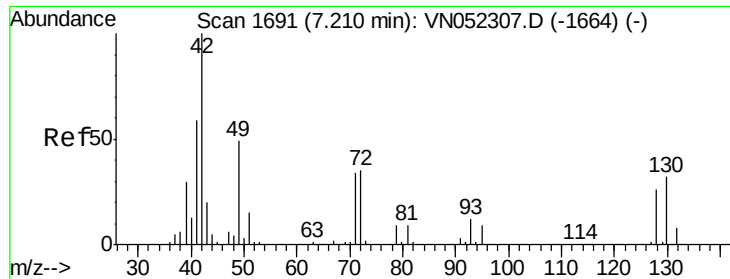
Delta R.T. 0.00 min

Lab File: VN052401.D

Acq: 20 Nov 2018 12:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.0
130	59.0	50.4	75.6





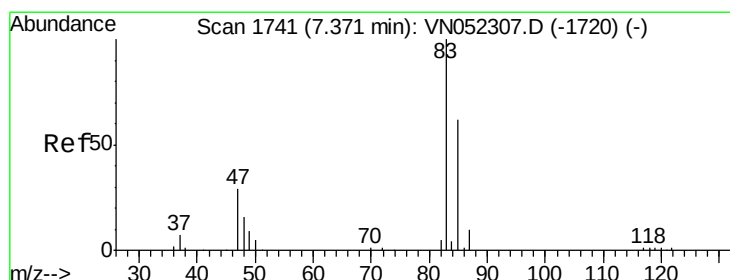
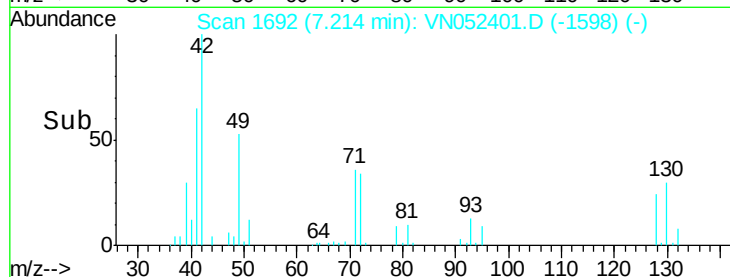
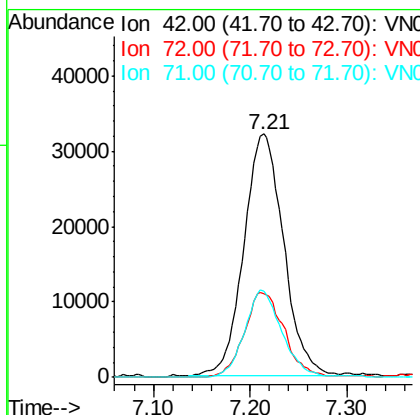
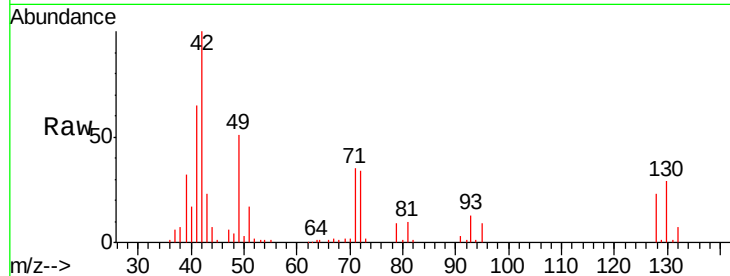
#29
Tetrahydrofuran
Concen: 98.15 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	35.1	28.6	42.8
71	33.5	26.7	40.1

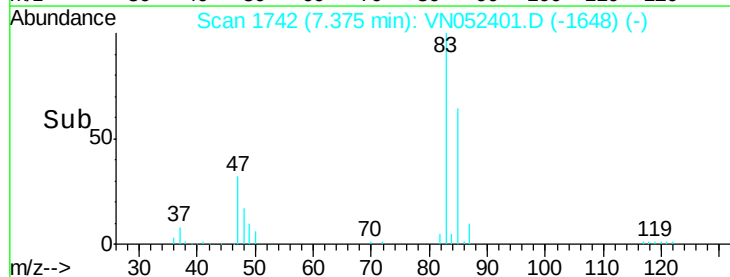
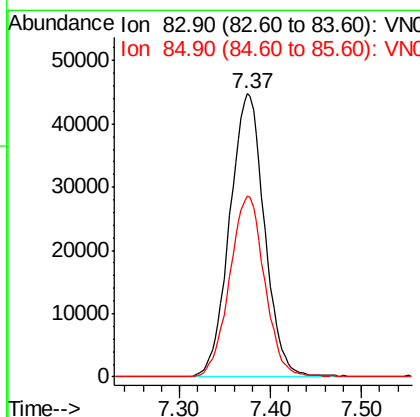
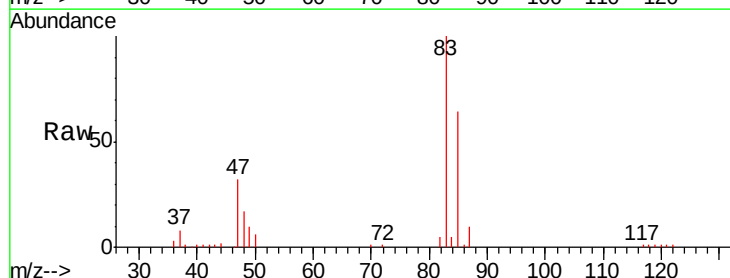
Manual Integrations
APPROVED

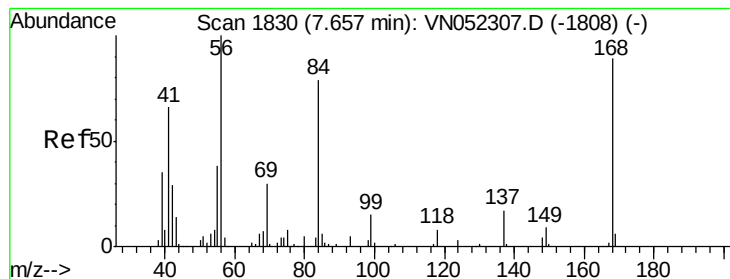
MMDadoda
11/21/2018 5:12:33 PM



#30
Chloroform
Concen: 20.70 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	49.4	74.2





#31

Cyclohexane

Concen: 19.86 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052401.D

Acq: 20 Nov 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN1120WBS01

Tgt Ion: 56 Resp: 114443

Ion Ratio Lower Upper

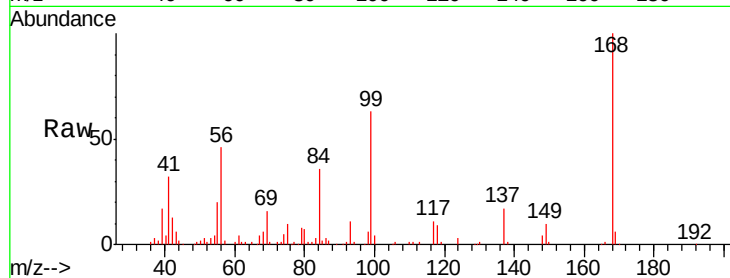
56 100

69 35.3 23.8 35.8

84 77.3 63.0 94.6

Manual Integrations
APPROVED

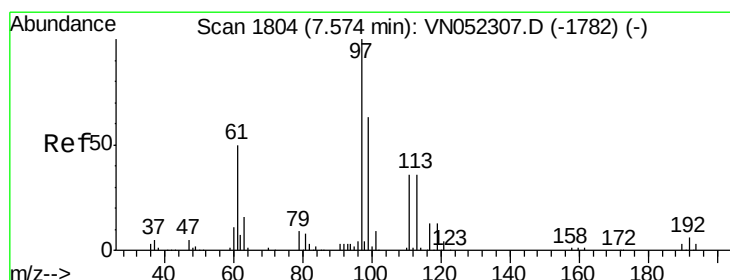
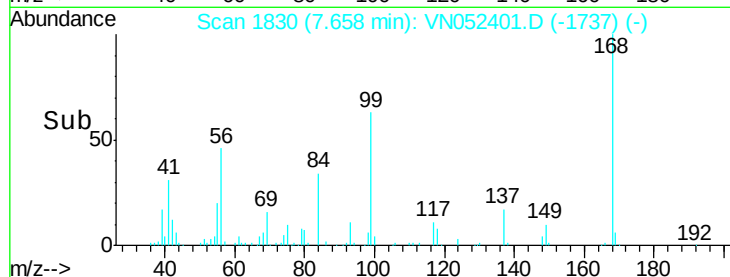
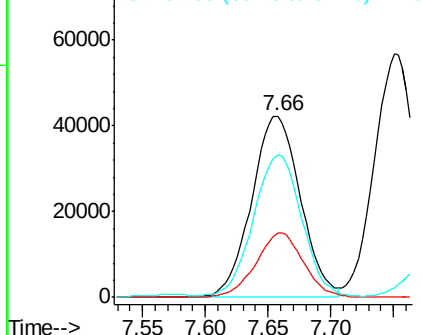
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.85 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052401.D

Acq: 20 Nov 2018 12:25

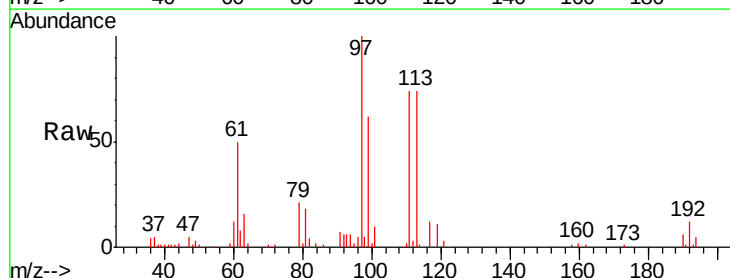
Tgt Ion: 97 Resp: 96913

Ion Ratio Lower Upper

97 100

99 65.5 50.2 75.2

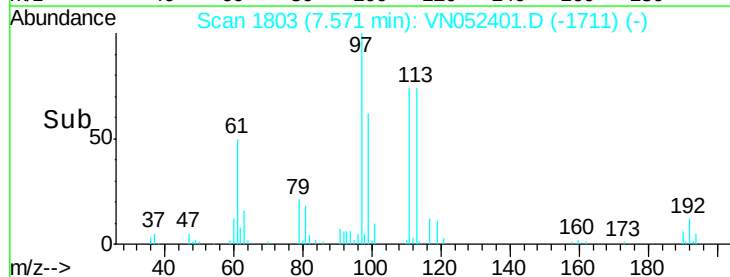
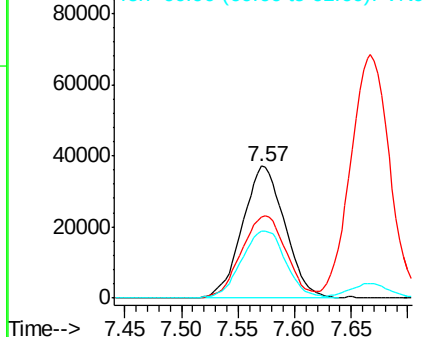
61 53.1 40.2 60.4

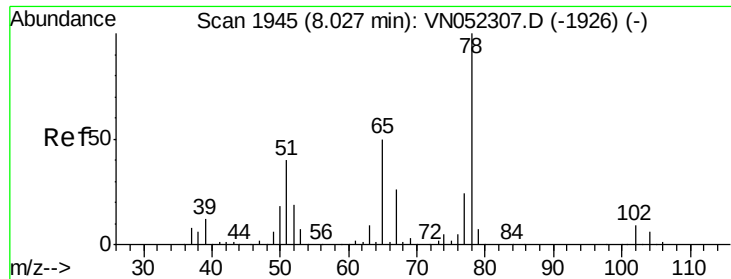


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





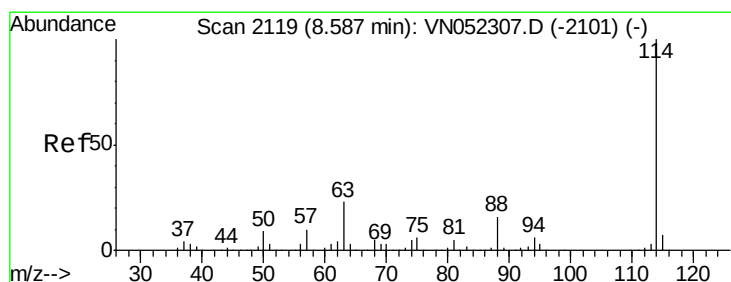
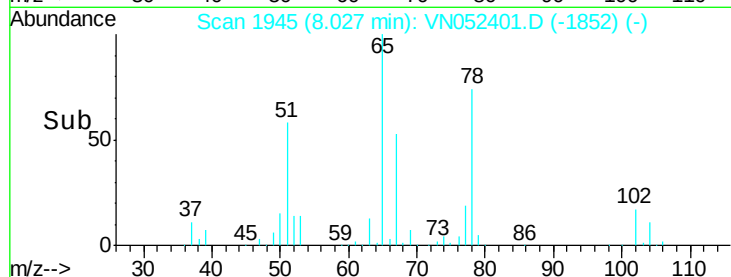
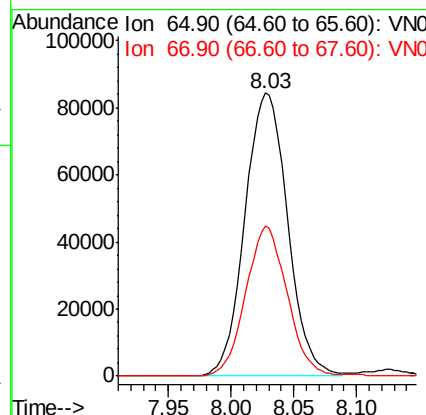
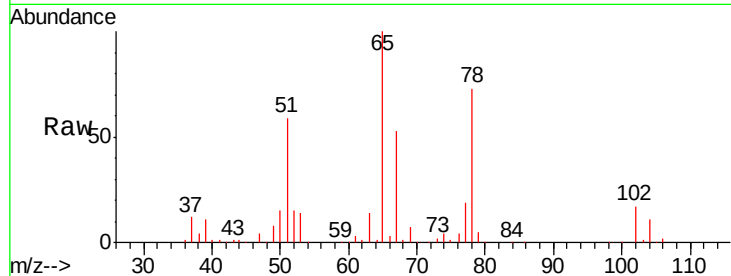
#33
 1,2-Dichloroethane-d4
 Concen: 19.85 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052401.D
 Acq: 20 Nov 2018 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1120WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	200214		
67	51.5	0.0	105.2	

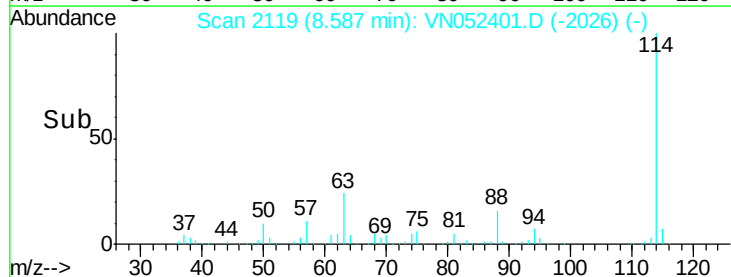
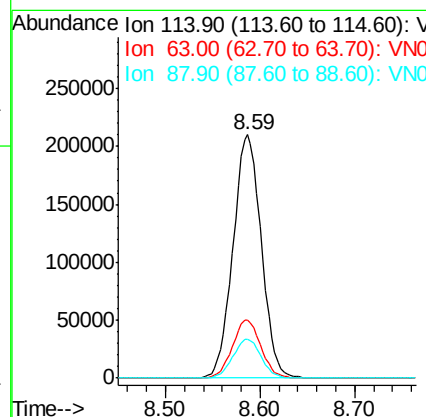
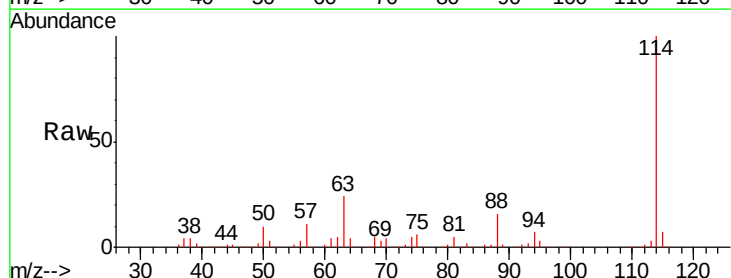
Manual Integrations
 APPROVED

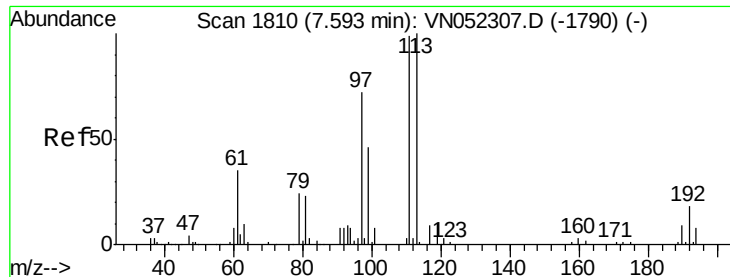
MMDadoda
 11/21/2018 5:12:33 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052401.D
 Acq: 20 Nov 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	435911		
63	24.0	0.0	45.4	
88	16.0	0.0	31.2	





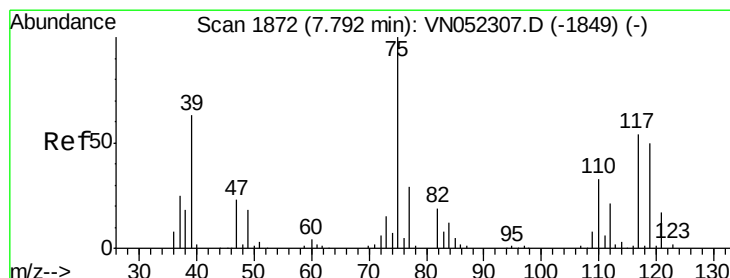
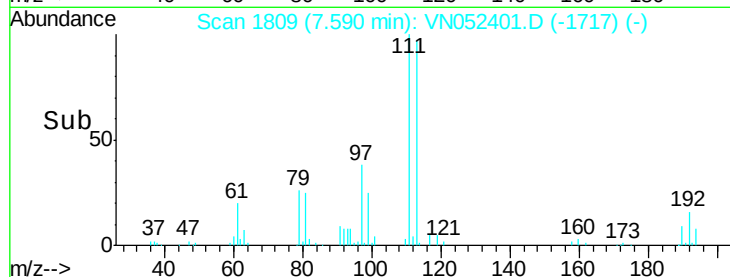
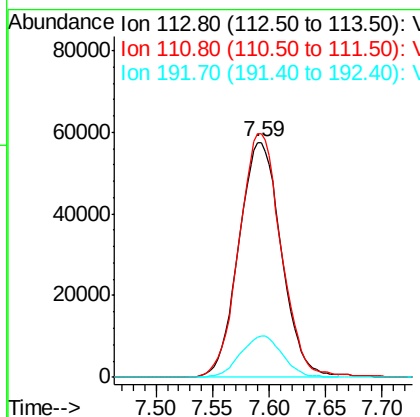
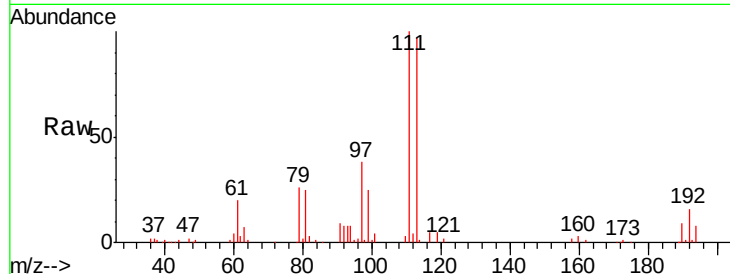
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052401.D
 Acq: 20 Nov 2018 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1120WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	150442		
111	102.8	81.0	121.6	
192	17.4	13.8	20.6	

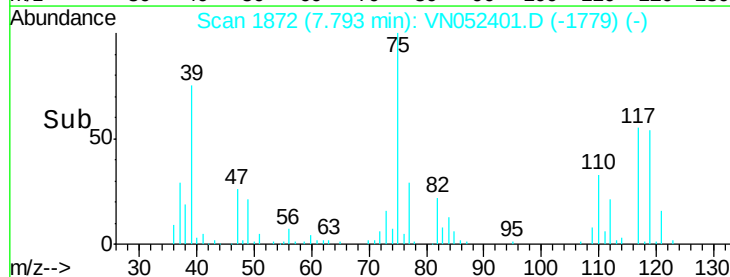
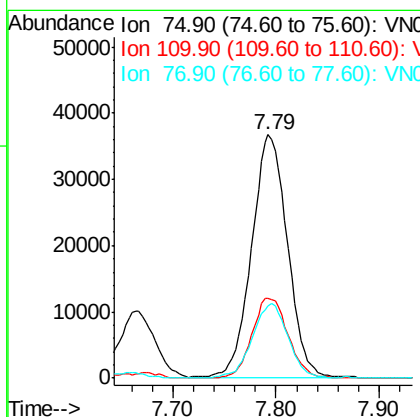
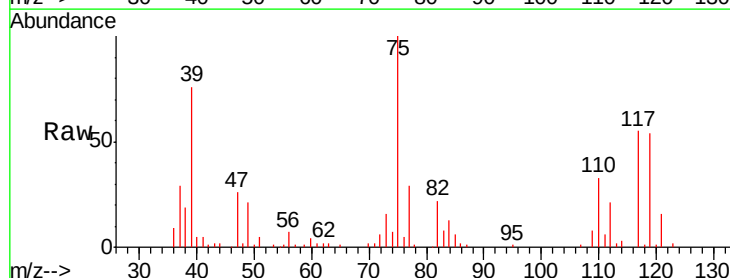
Manual Integrations
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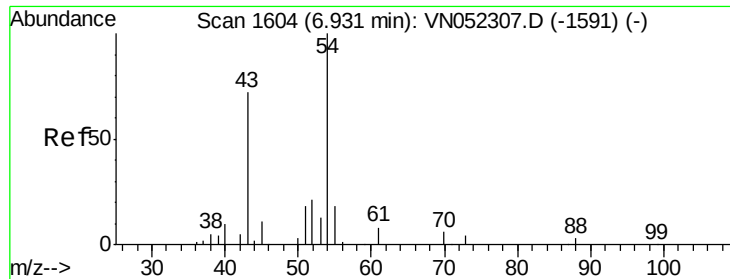
MMDadoda
 11/21/2018 5:12:33 PM



#36
 1,1-Dichloropropene
 Concen: 20.38 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052401.D
 Acq: 20 Nov 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	89046		
110	32.8	16.5	49.5	
77	30.3	24.2	36.2	





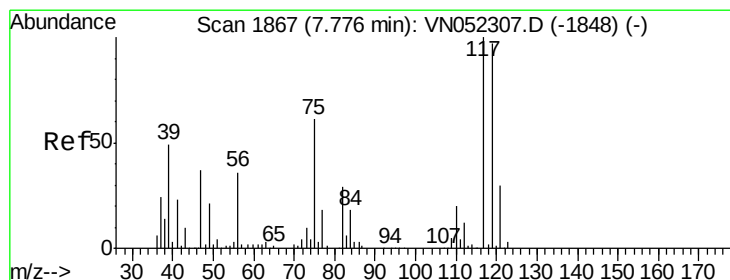
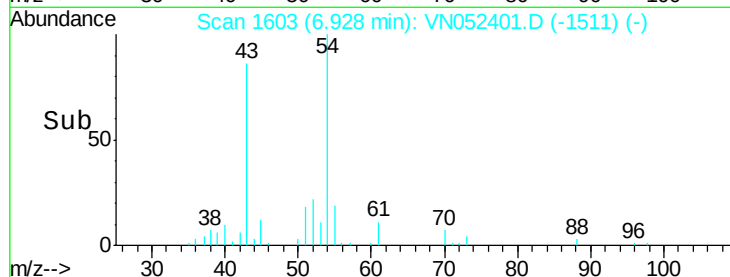
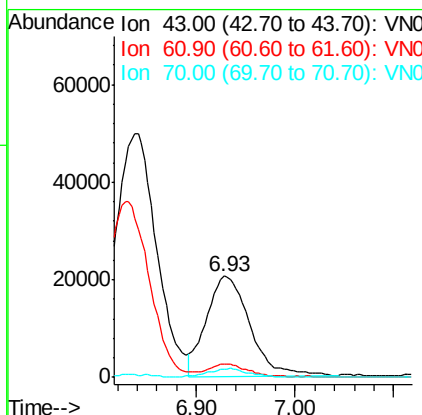
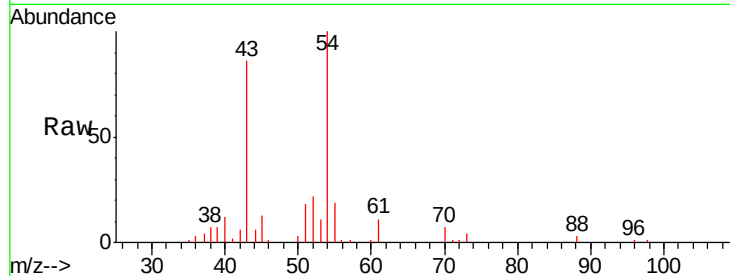
#37
Ethyl Acetate
Concen: 19.71 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	11.0	10.3	15.5
70	8.3	5.6	8.4

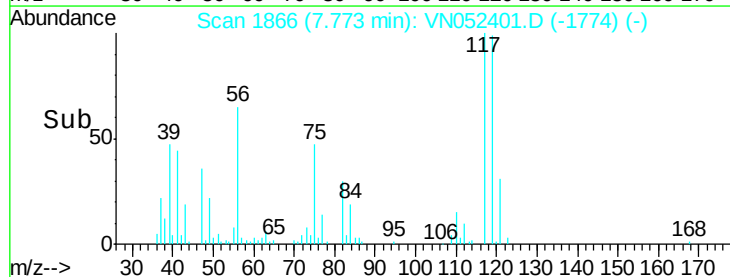
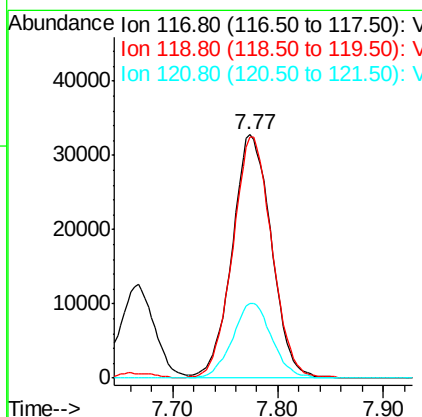
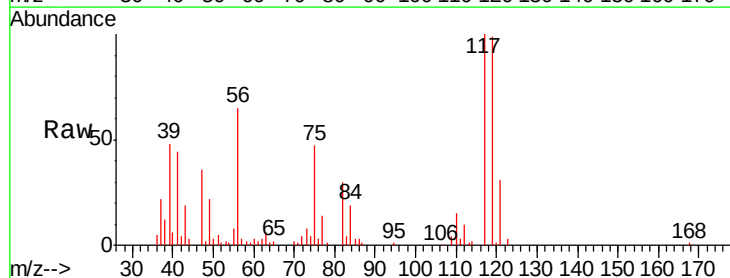
Manual Integrations
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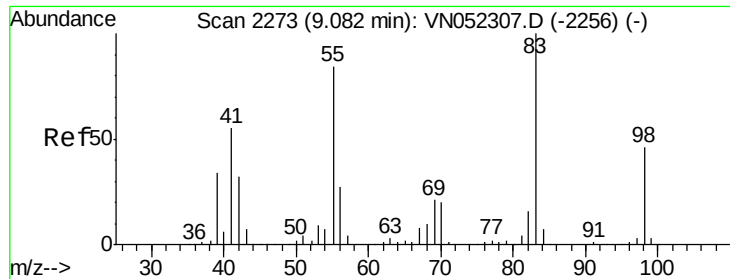
MMDadoda
11/21/2018 5:12:33 PM



#38
Carbon Tetrachloride
Concen: 21.15 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.0	77.4	116.0
121	30.6	24.0	36.0





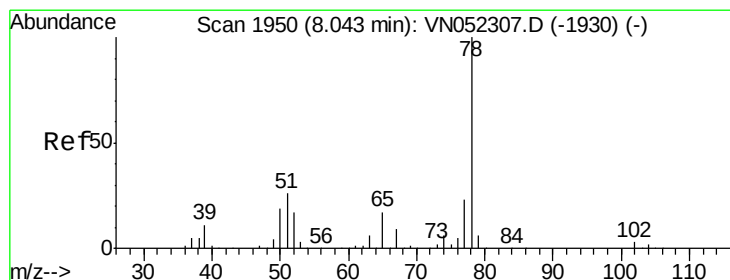
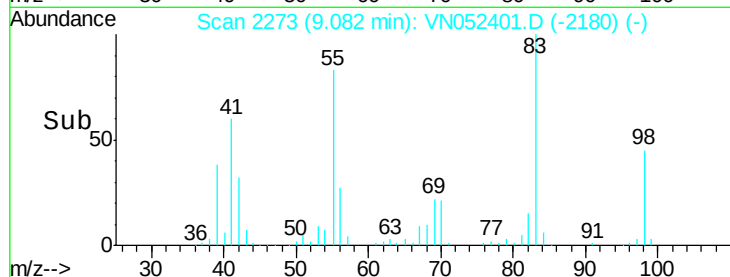
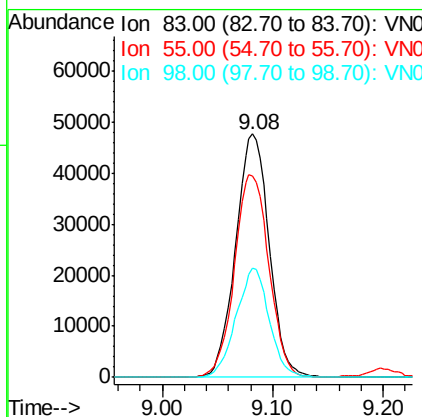
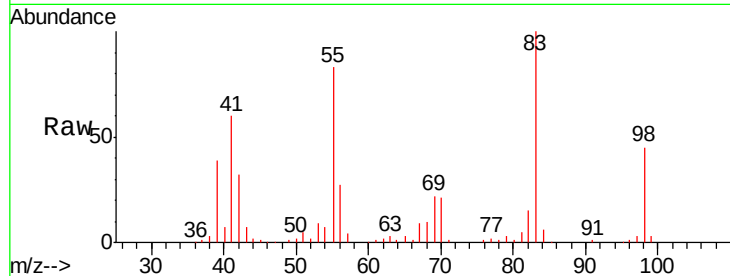
#39
Methylcyclohexane
Concen: 20.14 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.8	66.8	100.2
98	44.8	36.4	54.6

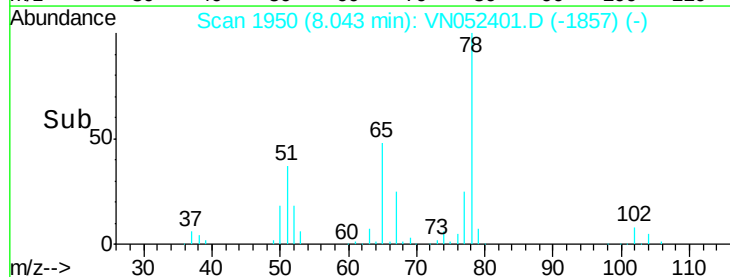
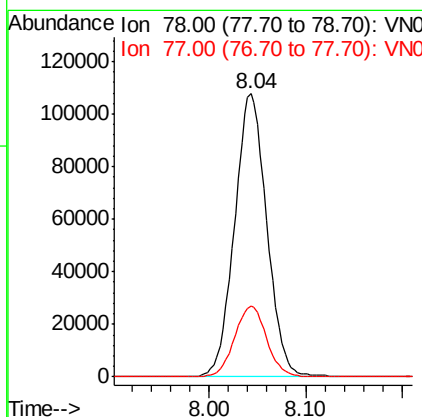
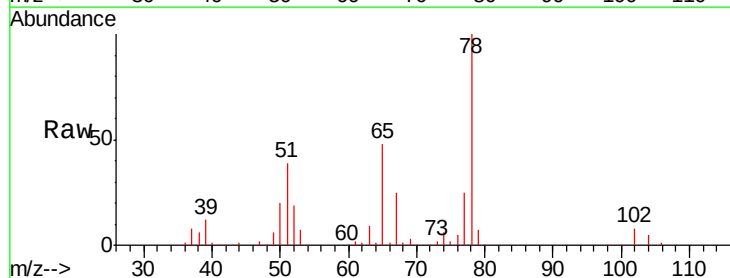
Manual Integrations
APPROVED

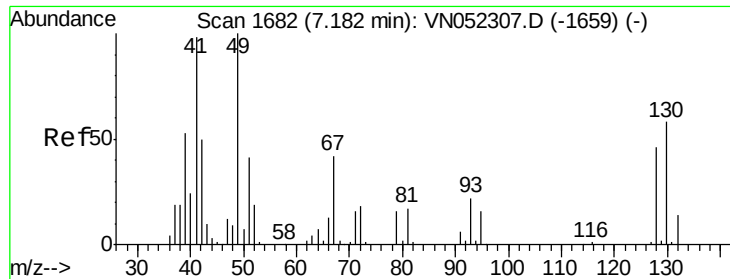
MMDadoda
11/21/2018 5:12:33 PM



#40
Benzene
Concen: 19.97 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	18.7	28.1





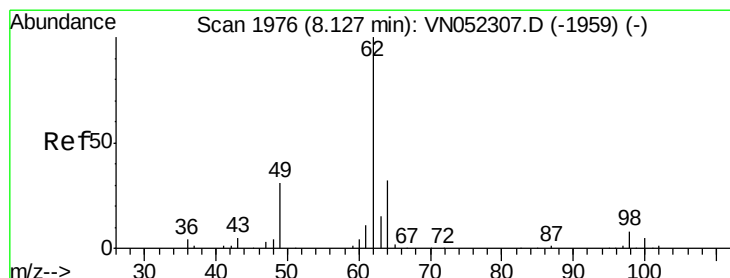
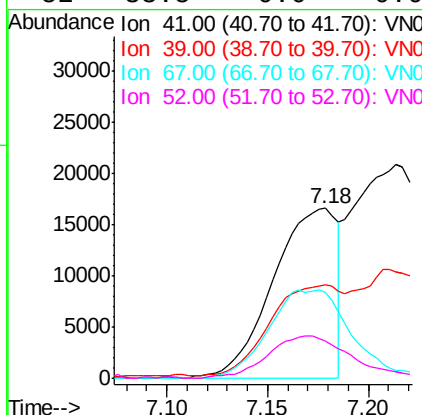
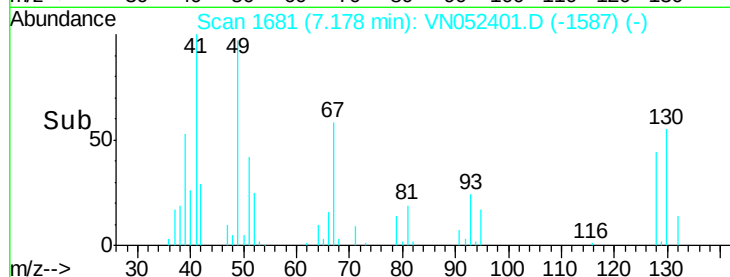
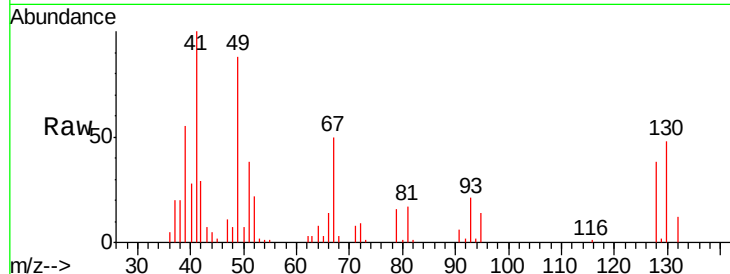
#41
Methacrylonitrile
Concen: 22.88 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.5	0.0	0.0#
67	68.6	0.0	0.0#
52	33.5	0.0	0.0#

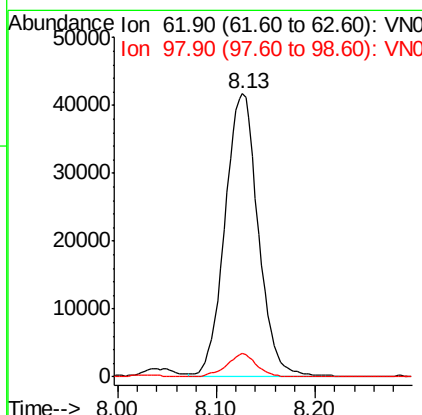
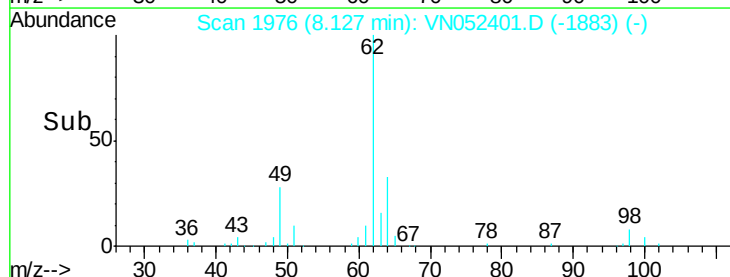
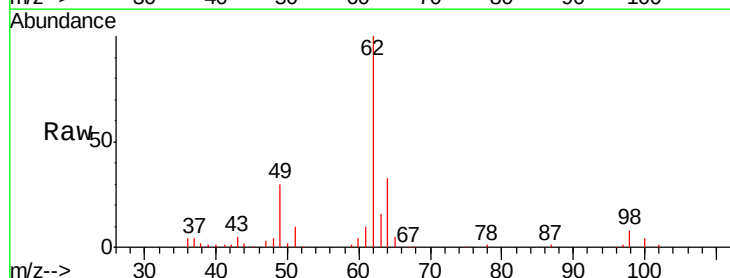
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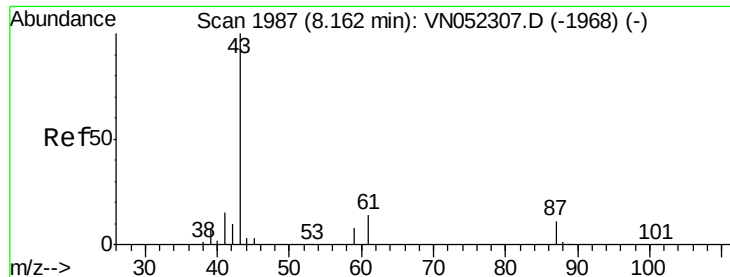
MMDadoda
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#42
1,2-Dichloroethane
Concen: 22.16 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	15.6





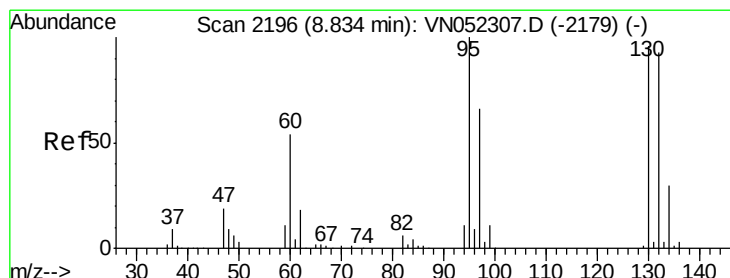
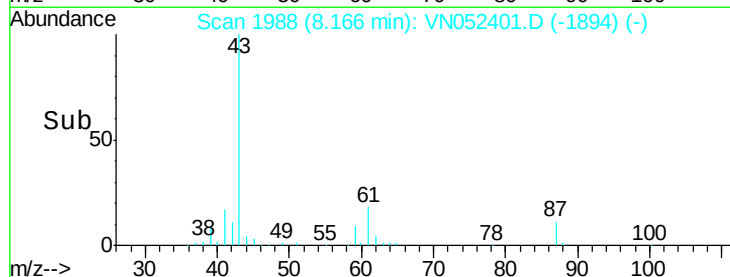
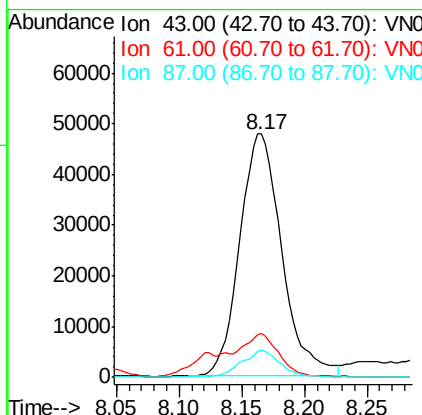
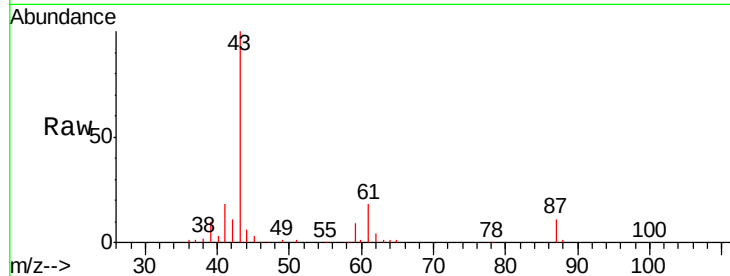
#43
Isopropyl Acetate
Concen: 18.26 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.0	18.0
87	10.3	8.3	12.5

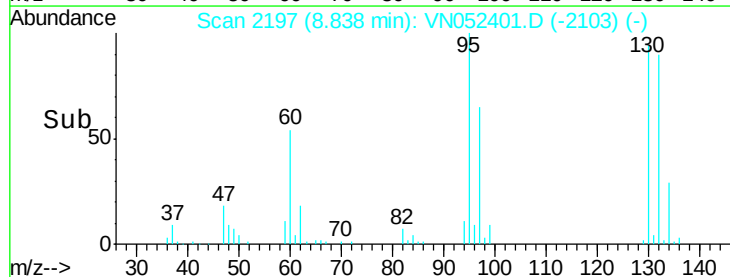
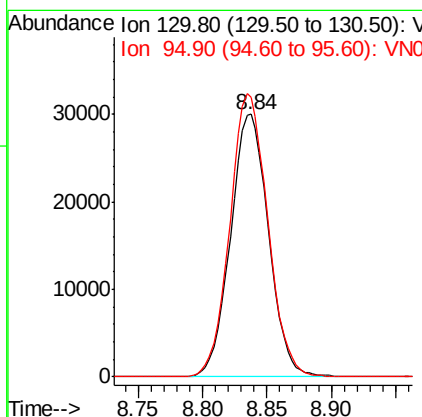
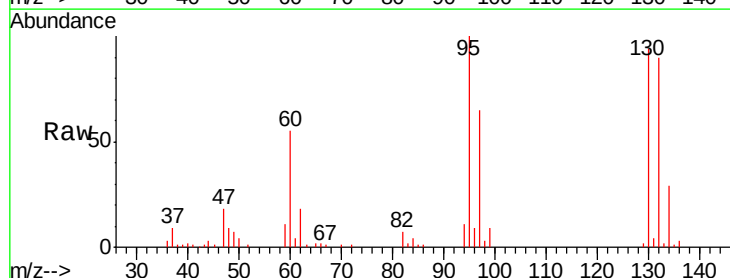
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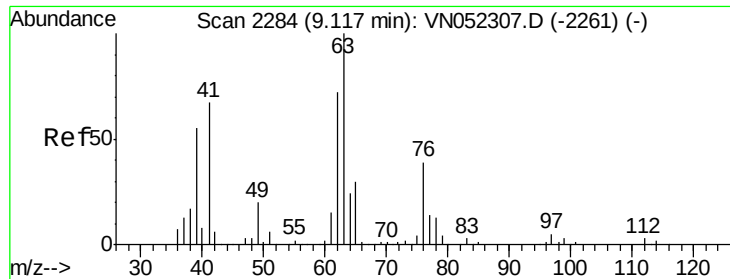
MMDadoda
11/21/2018 5:12:33 PM



#44
Trichloroethene
Concen: 19.99 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.4	0.0	208.4





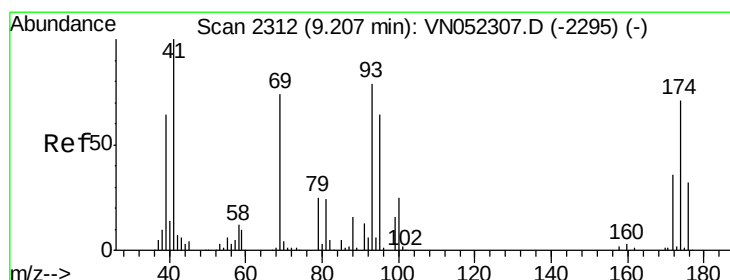
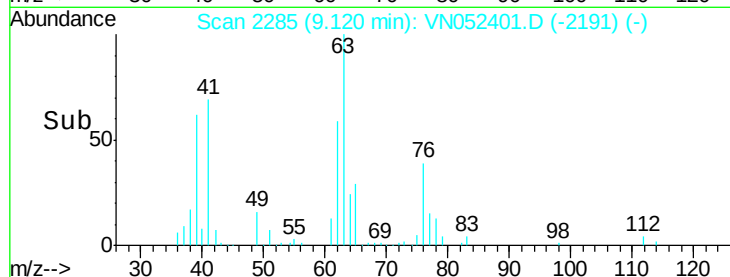
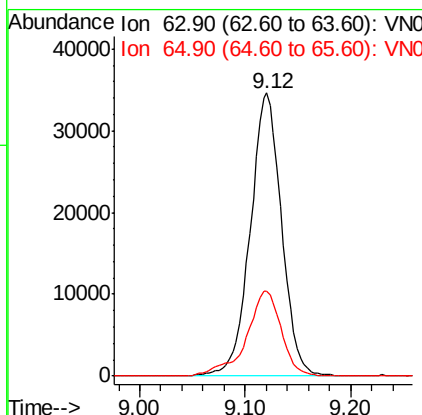
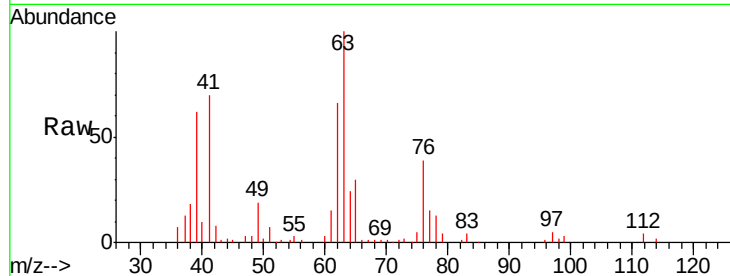
#45
 1,2-Dichloropropane
 Concen: 20.22 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052401.D
 Acq: 20 Nov 2018 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1120WBS01

Tgt Ion: 63 Resp: 71627
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.2 36.4

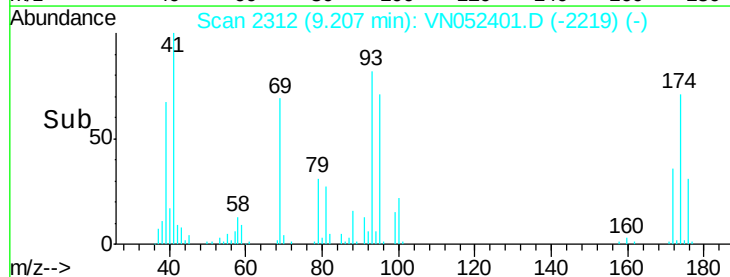
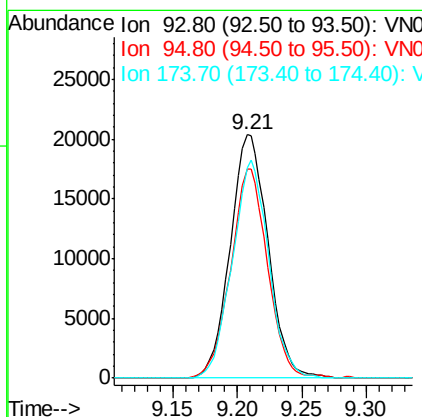
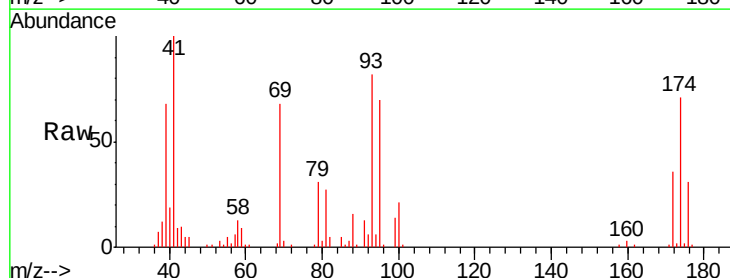
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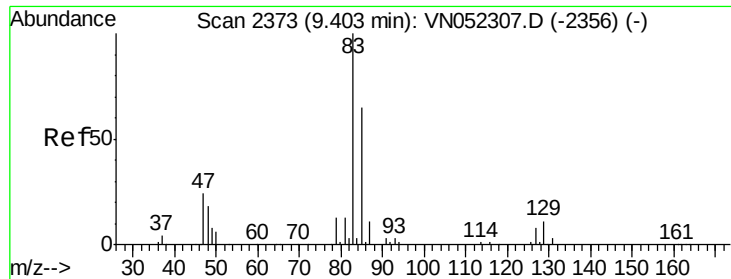
MMDadoda
 11/21/2018 5:12:33 PM



#46
 Dibromomethane
 Concen: 20.28 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN052401.D
 Acq: 20 Nov 2018 12:25

Tgt Ion: 93 Resp: 41590
 Ion Ratio Lower Upper
 93 100
 95 83.5 64.2 96.2
 174 86.0 70.9 106.3





#47

Bromodichloromethane

Concen: 21.51 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052401.D

Acq: 20 Nov 2018 12:25

Instrument :

MSVOA_N

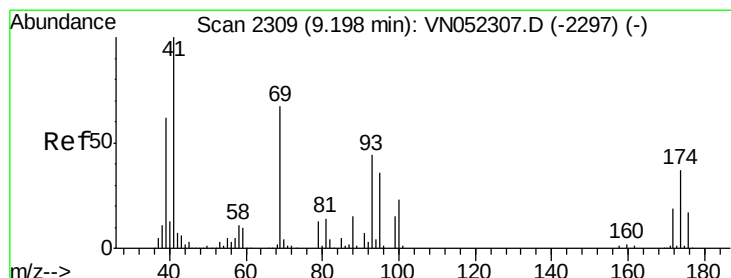
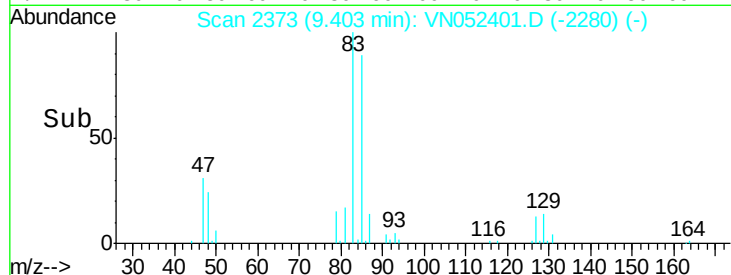
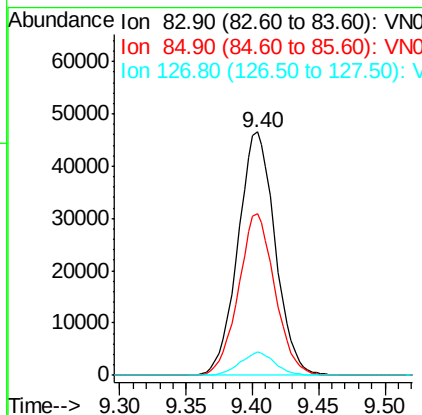
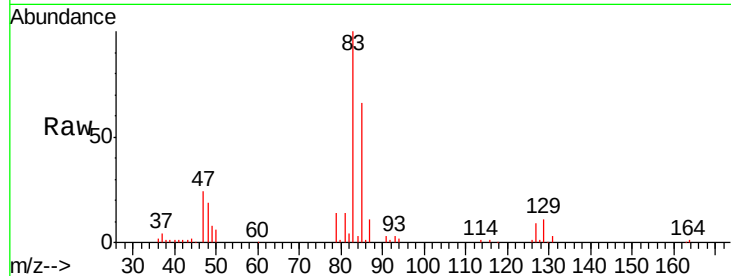
ClientSampleId :

VN1120WBS01

Tgt Ion:	83	Resp:	90532
Ion Ratio	Lower	Upper	
83	100		
85	66.3	52.2	78.4
127	9.4	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.78 ug/l

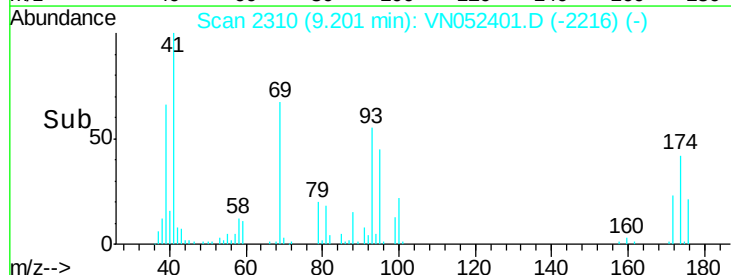
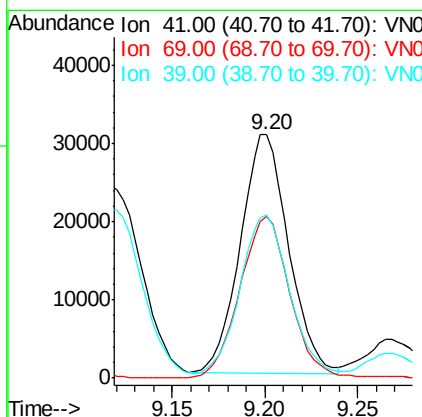
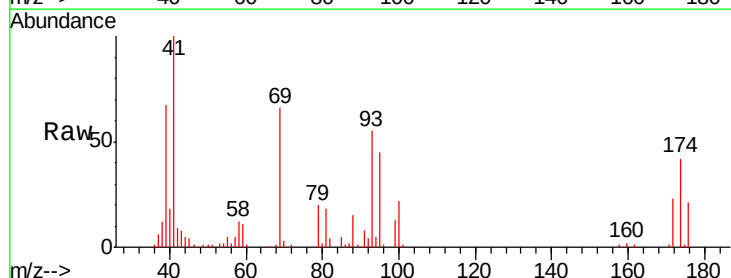
RT: 9.20 min Scan# 2310

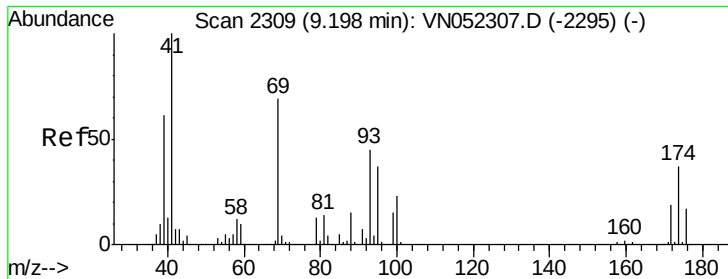
Delta R.T. 0.00 min

Lab File: VN052401.D

Acq: 20 Nov 2018 12:25

Tgt Ion:	41	Resp:	55215
Ion Ratio	Lower	Upper	
41	100		
69	70.4	57.1	85.7
39	70.1	52.5	78.7





#49

1,4-Dioxane

Concen: 429.31 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN052401.D

Acq: 20 Nov 2018 12:25

Instrument :

MSVOA_N

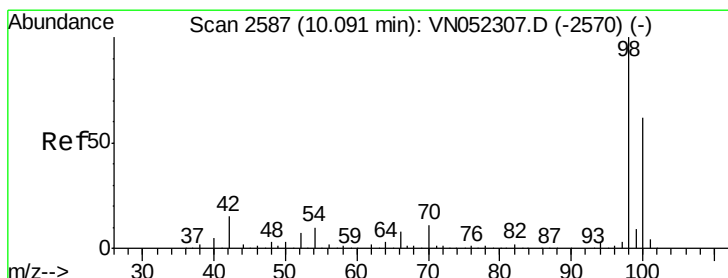
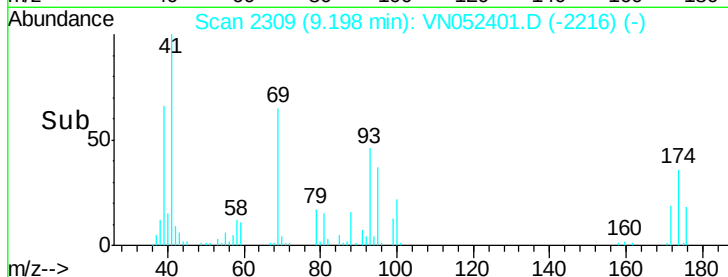
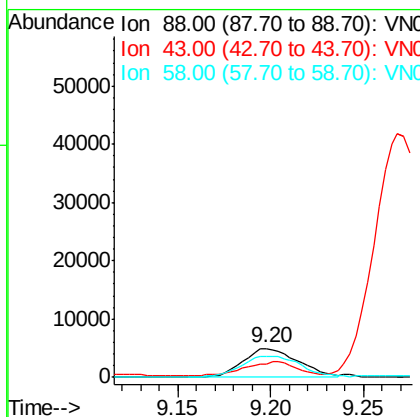
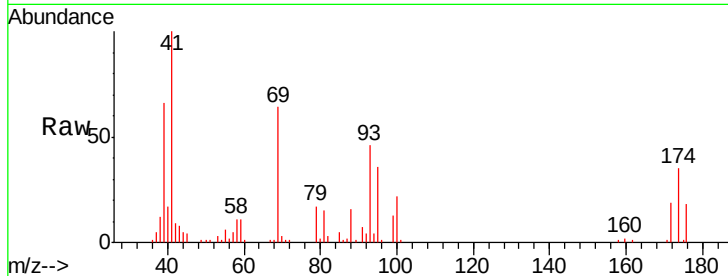
ClientSampleId :

VN1120WBS01

Tgt Ion:	88	Resp:	10232
Ion Ratio	Lower	Upper	
88	100		
43	41.9	33.3	49.9
58	81.3	59.2	88.8

Manual Integrations
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#50

Toluene-d8

Concen: 429.31 ug/l

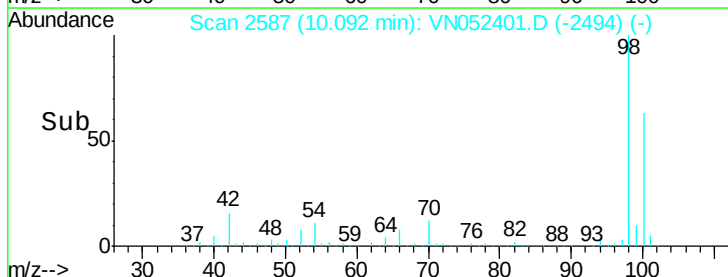
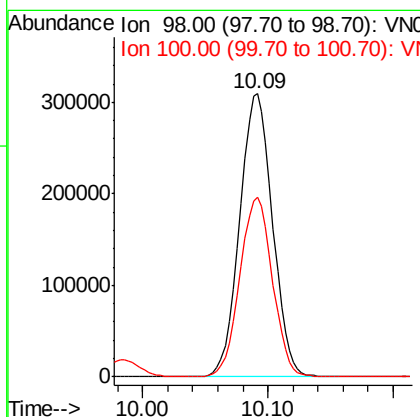
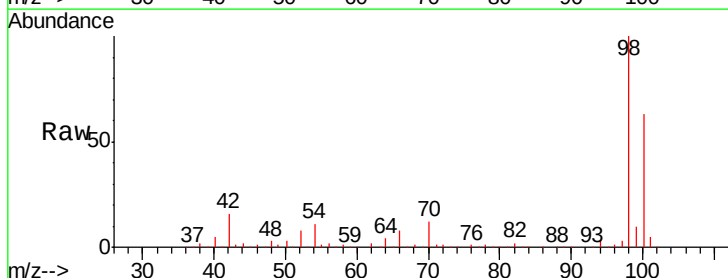
RT: 10.09 min Scan# 2587

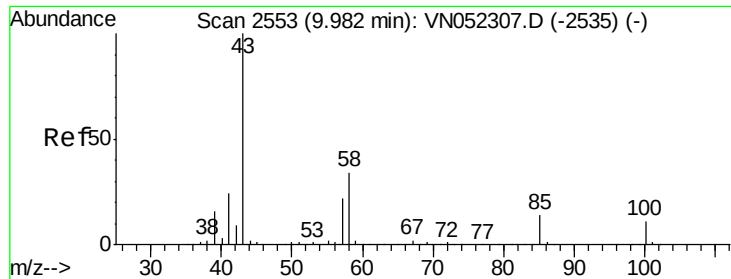
Delta R.T. 0.00 min

Lab File: VN052401.D

Acq: 20 Nov 2018 12:25

Tgt Ion:	98	Resp:	563784
Ion Ratio	Lower	Upper	
98	100		
100	63.1	49.5	74.3





#51

4-Methyl-2-Pentanone

Concen: 102.51 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052401.D

Acq: 20 Nov 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN1120WBS01

Tgt Ion: 43 Resp: 315718

Ion Ratio Lower Upper

43 100

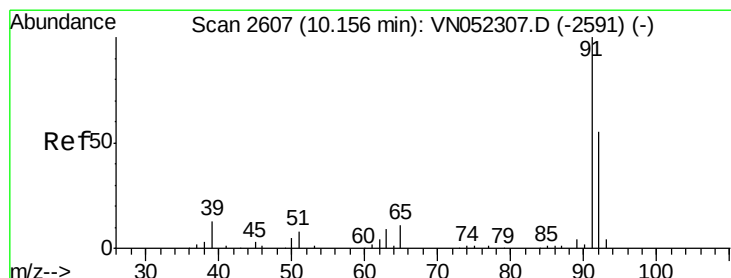
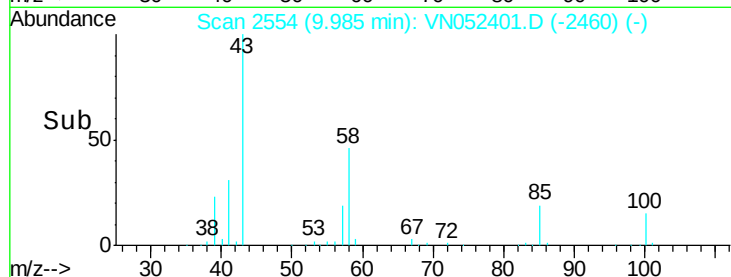
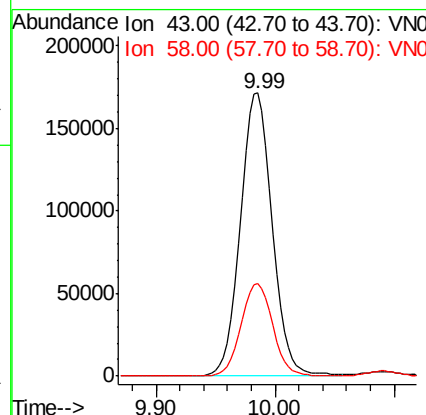
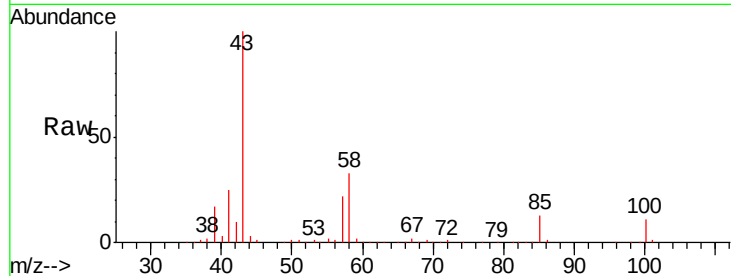
58 33.0 27.0 40.6

Manual Integrations

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#52

Toluene

Concen: 20.33 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052401.D

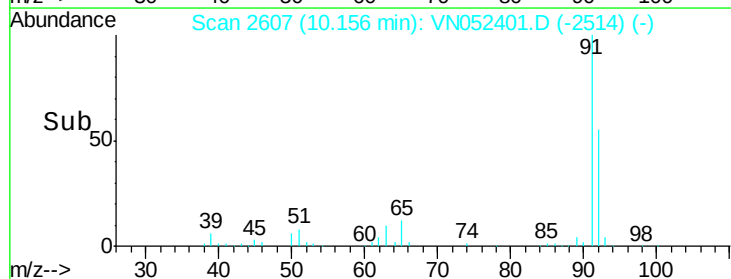
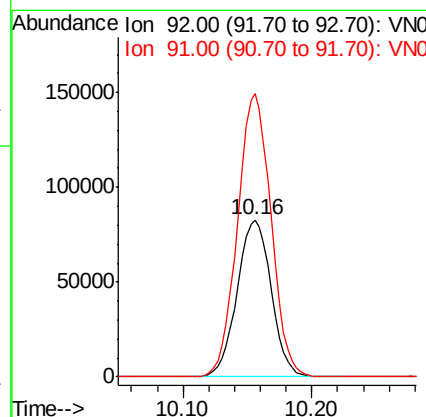
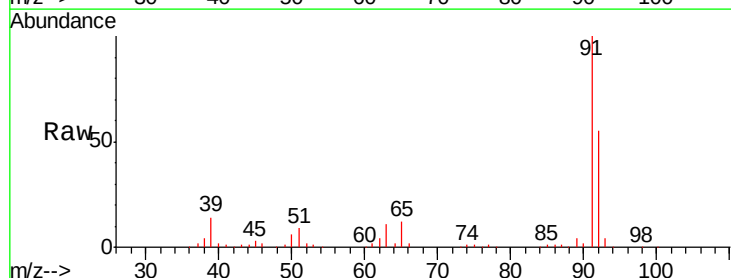
Acq: 20 Nov 2018 12:25

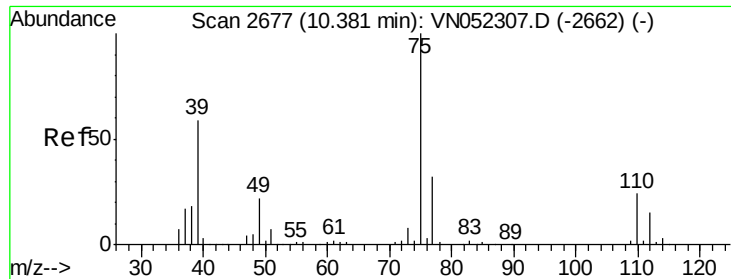
Tgt Ion: 92 Resp: 151827

Ion Ratio Lower Upper

92 100

91 177.8 143.6 215.4





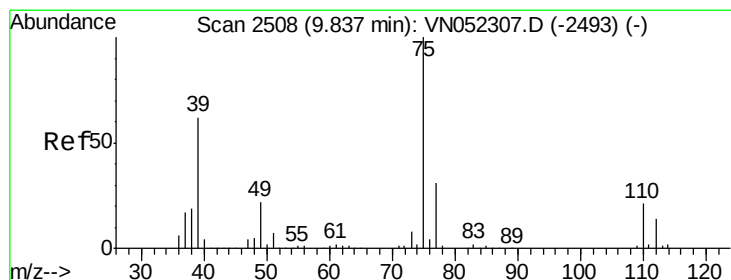
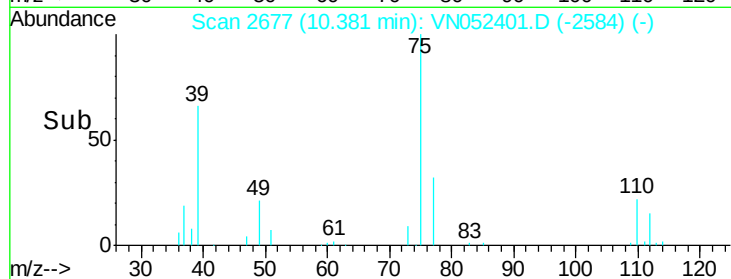
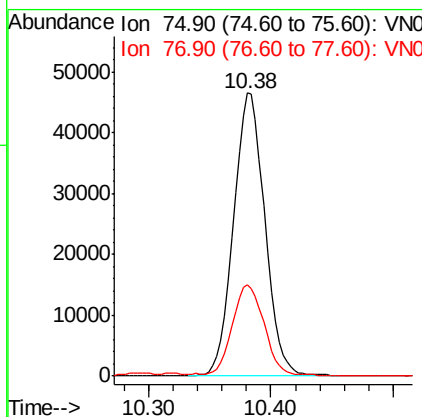
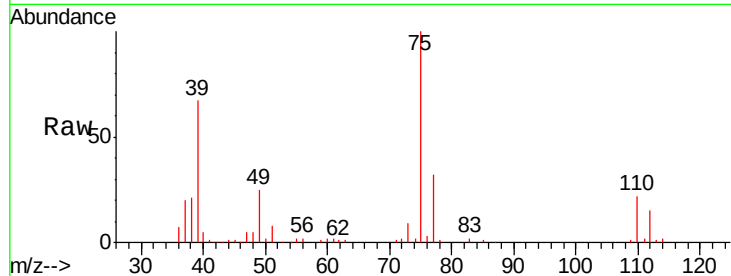
#53
t-1,3-Dichloropropene
Concen: 19.48 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS01

Tgt Ion: 75 Resp: 82685
Ion Ratio Lower Upper
75 100
77 32.2 25.7 38.5

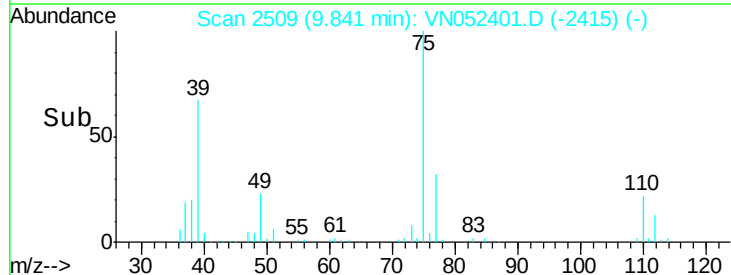
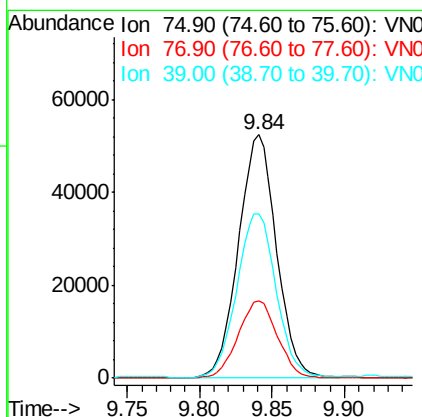
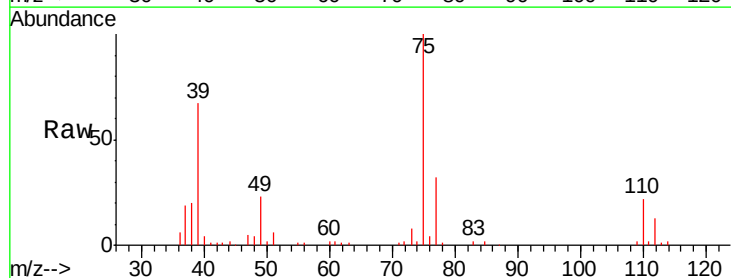
Manual Integrations
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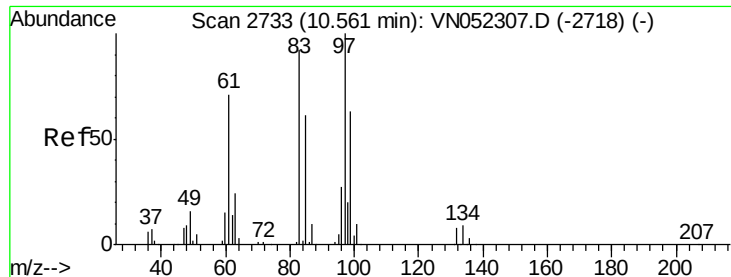
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#54
cis-1,3-Dichloropropene
Concen: 19.83 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Tgt Ion: 75 Resp: 95918
Ion Ratio Lower Upper
75 100
77 31.9 24.6 36.8
39 67.5 49.9 74.9





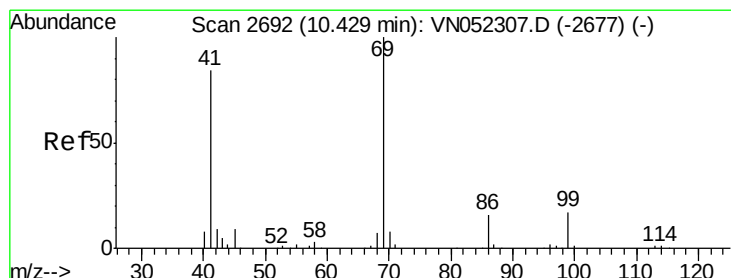
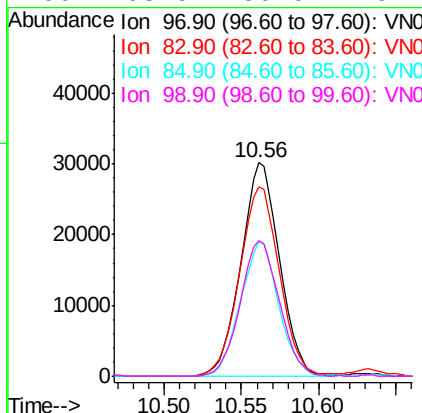
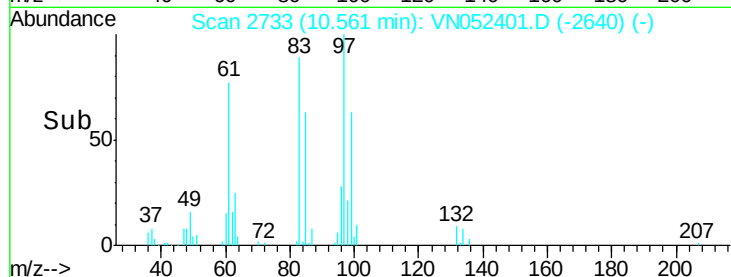
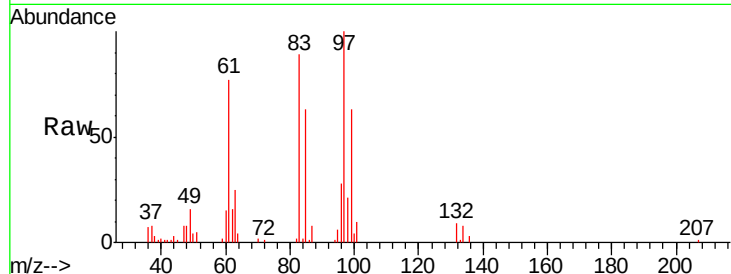
#55
 1,1,2-Trichloroethane
 Concen: 19.37 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN052401.D
 Acq: 20 Nov 2018 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1120WBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.8	73.8	110.6
85	62.8	49.0	73.4
99	63.5	50.5	75.7

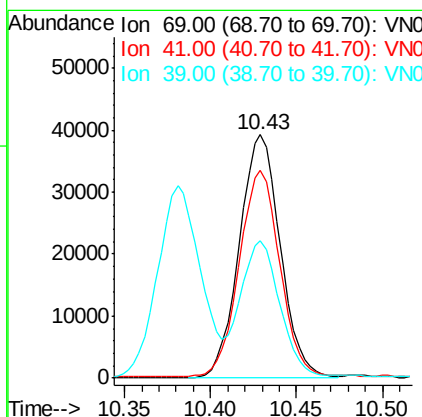
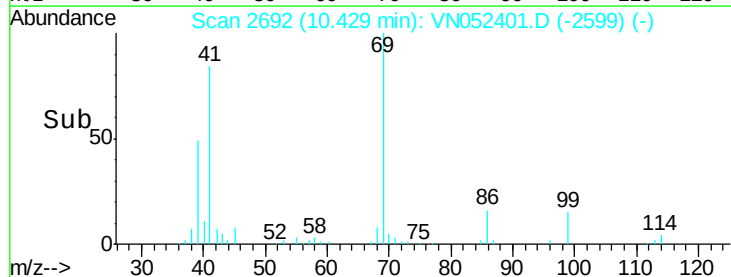
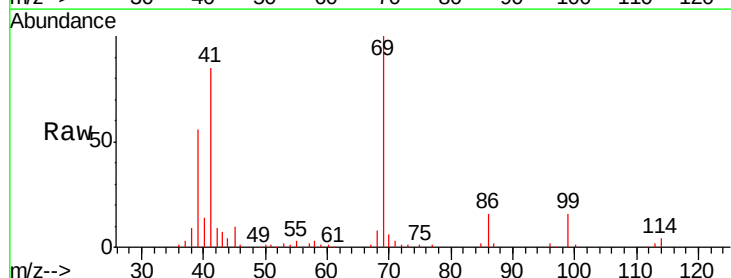
Manual Integrations
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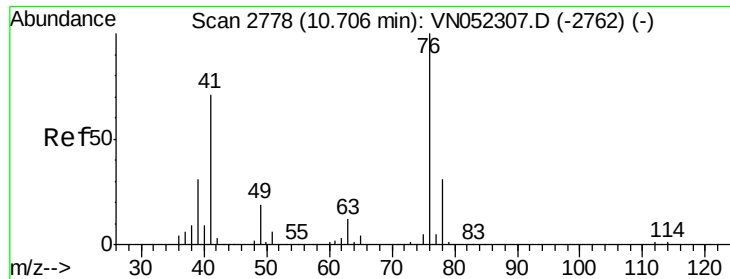
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#56
 Ethyl methacrylate
 Concen: 18.27 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052401.D
 Acq: 20 Nov 2018 12:25

Tgt Ion	Ratio	Lower	Upper
69	100		
41	84.4	64.8	97.2
39	53.3	41.0	61.6





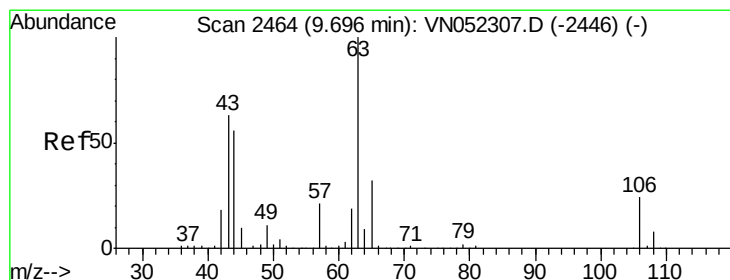
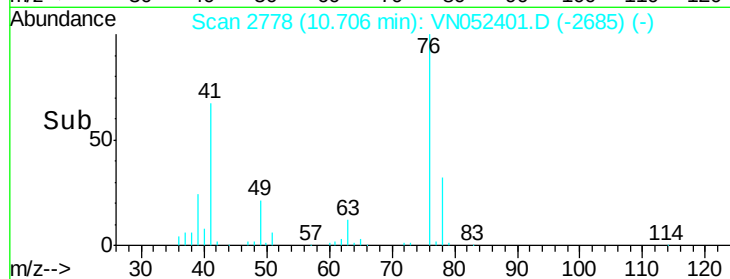
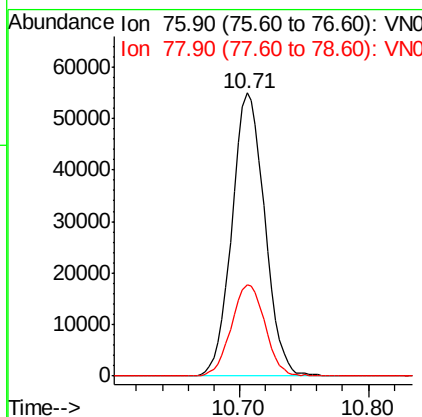
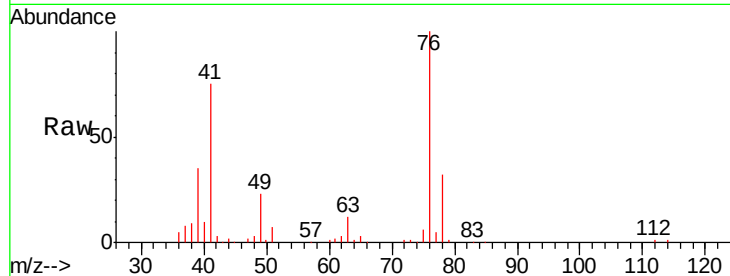
#57
 1,3-Dichloropropane
 Concen: 20.24 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN052401.D
 Acq: 20 Nov 2018 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1120WBS01

Tgt Ion: 76 Resp: 97048
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.7 38.5

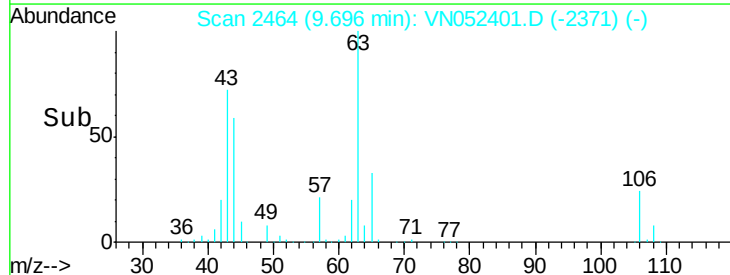
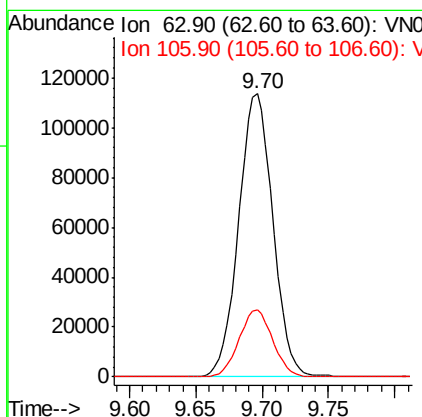
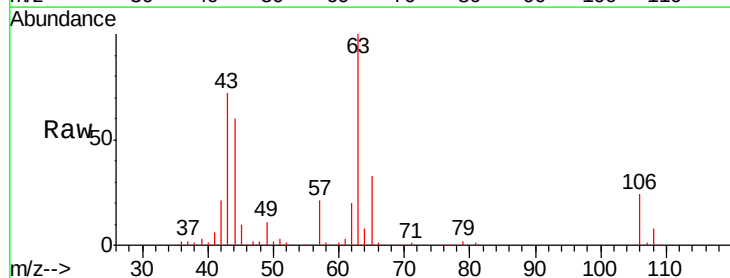
Manual Integrations
 APPROVED

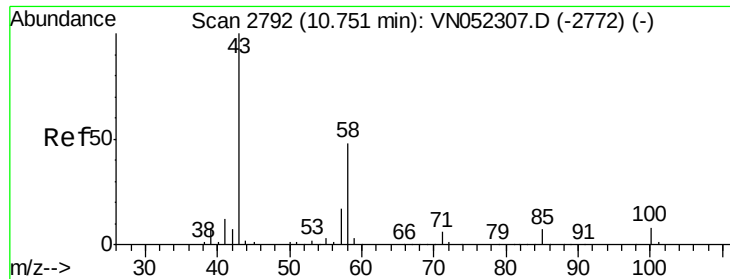
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 11/21/2018 5:12:33 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.50 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052401.D
 Acq: 20 Nov 2018 12:25

Tgt Ion: 63 Resp: 203683
 Ion Ratio Lower Upper
 63 100
 106 23.4 19.3 28.9





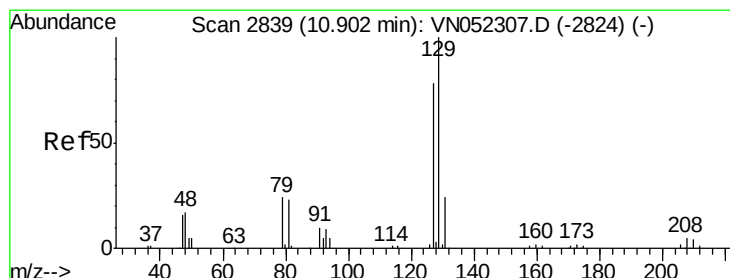
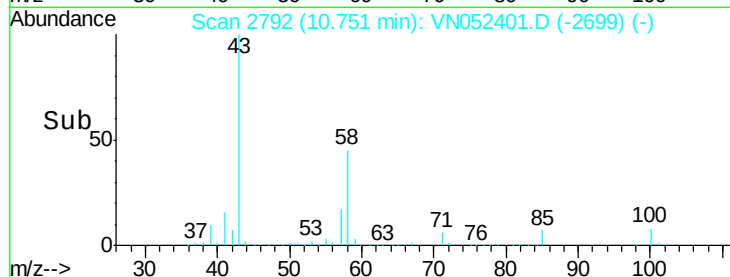
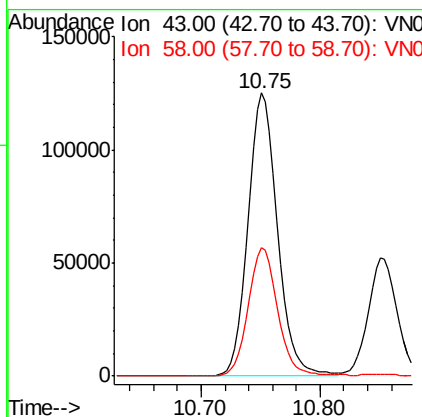
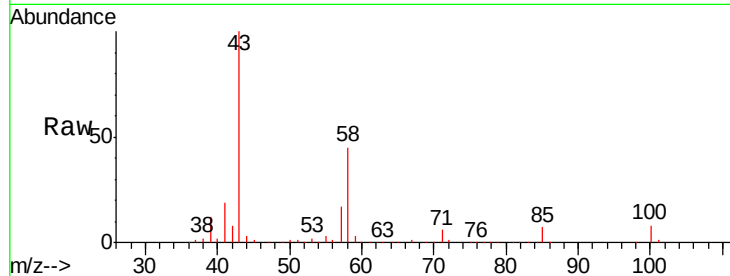
#59
2-Hexanone
Concen: 100.54 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Instrument :
MSVOA_N
ClientSampled :
VN1120WBS01

Tgt Ion: 43 Resp: 213000
Ion Ratio Lower Upper
43 100
58 45.8 23.5 70.6

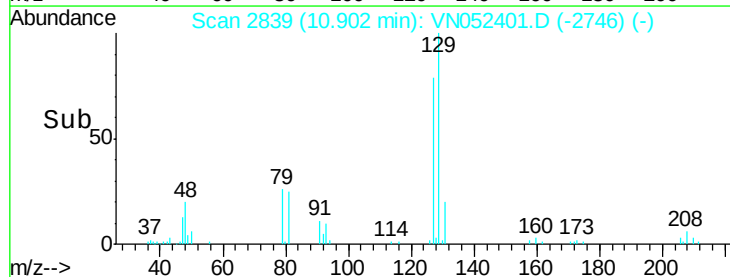
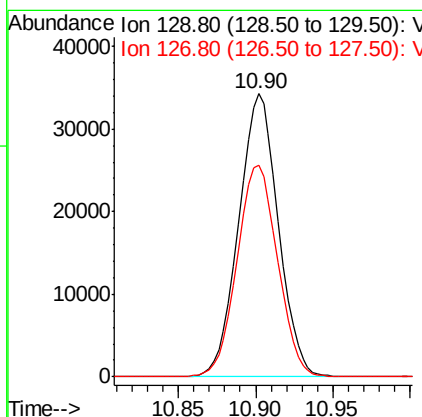
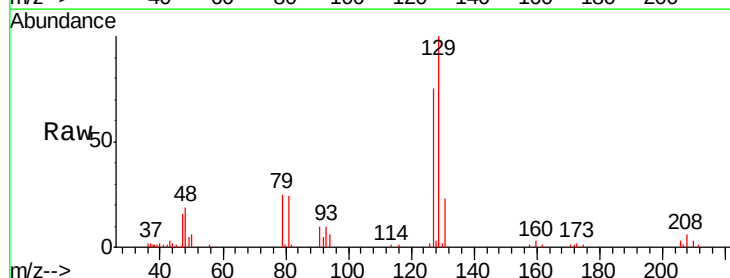
Manual Integrations
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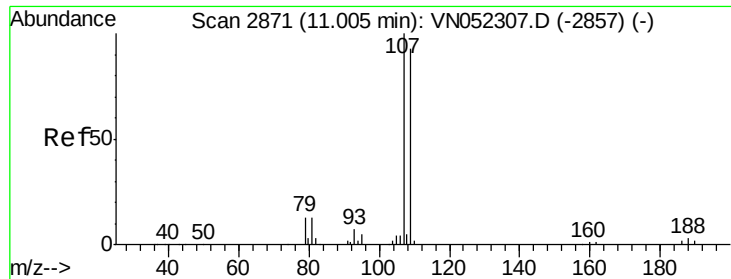
MMDadoda
11/21/2018 5:12:33 PM



#60
Dibromochloromethane
Concen: 20.78 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Tgt Ion: 129 Resp: 60854
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5





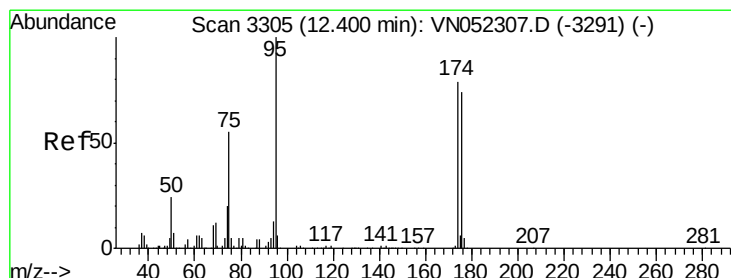
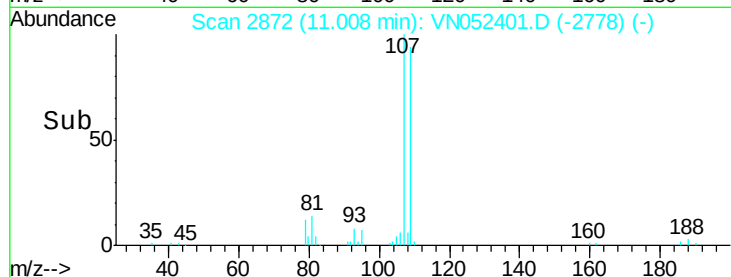
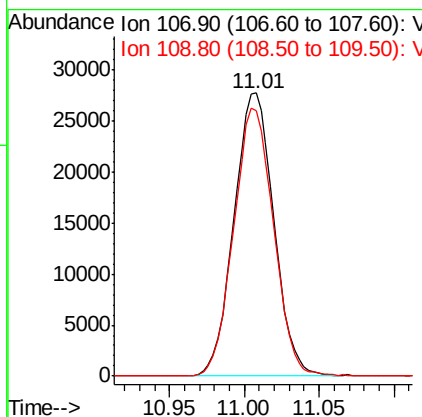
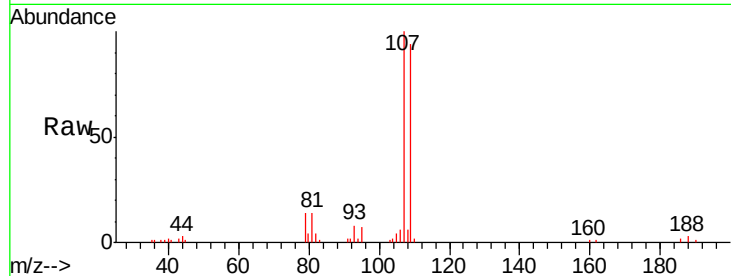
#61
 1,2-Dibromoethane
 Concen: 19.11 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052401.D
 Acq: 20 Nov 2018 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1120WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	51513		
109	94.4	74.9	112.3	

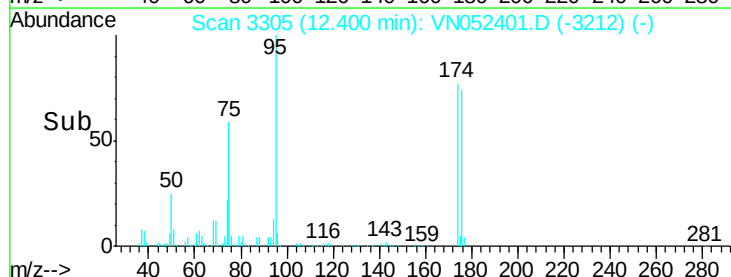
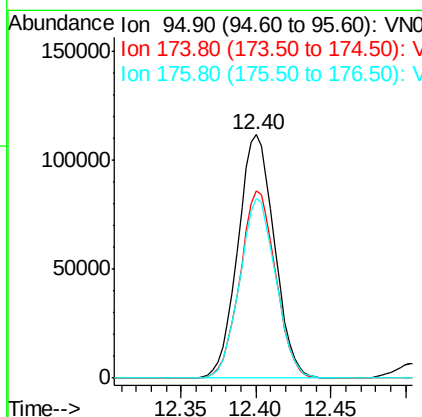
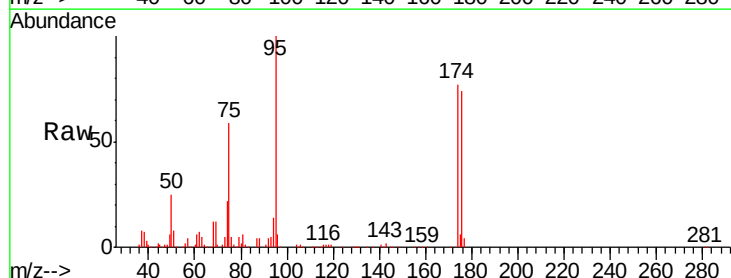
Manual Integrations
 APPROVED

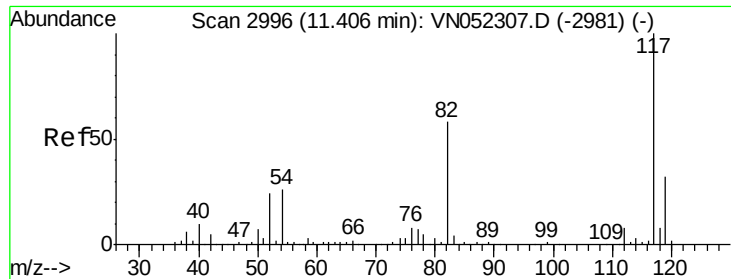
MMDadoda
 11/21/2018 5:12:33 PM



#62
 4-Bromofluorobenzene
 Concen: 19.11 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052401.D
 Acq: 20 Nov 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	189559		
174	75.3	0.0	156.0	
176	72.9	0.0	148.4	





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052401.D

Acq: 20 Nov 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN1120WBS01

Tgt Ion:117 Resp: 388422

Ion Ratio Lower Upper

117 100

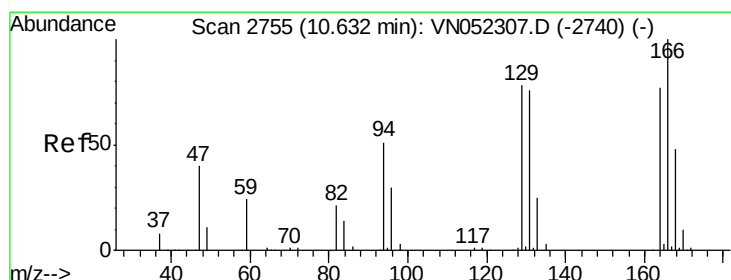
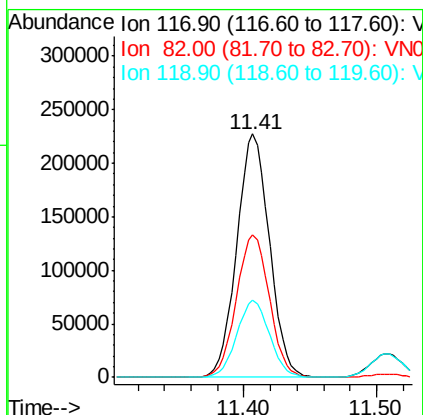
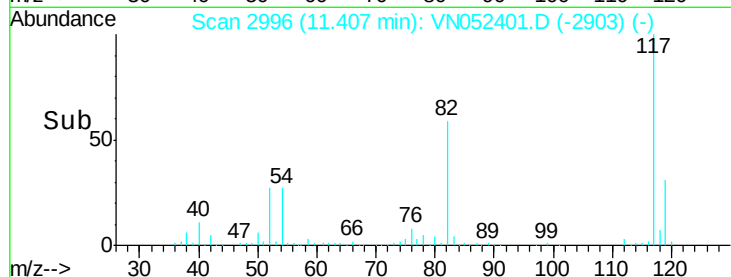
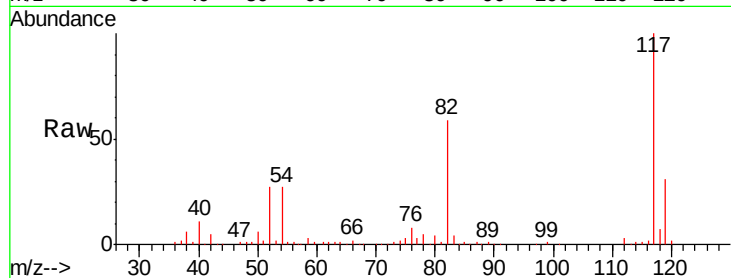
82 58.7 46.5 69.7

119 31.5 25.7 38.5

Manual Integrations
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11/21/2018 5:12:33 PM



#64

Tetrachloroethene

Concen: 19.97 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052401.D

Acq: 20 Nov 2018 12:25

Tgt Ion:164 Resp: 55148

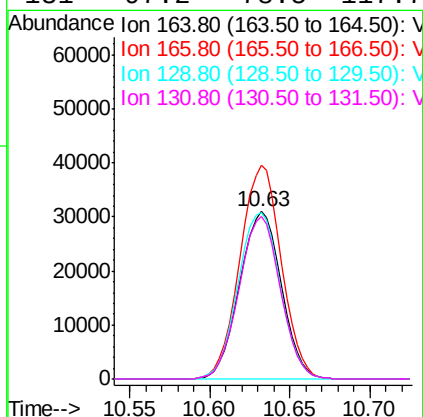
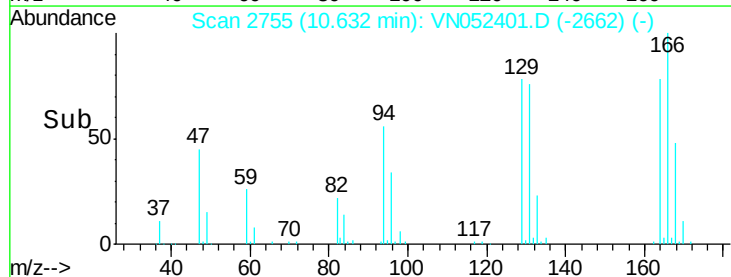
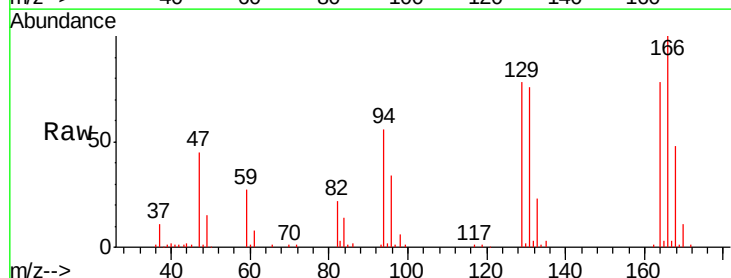
Ion Ratio Lower Upper

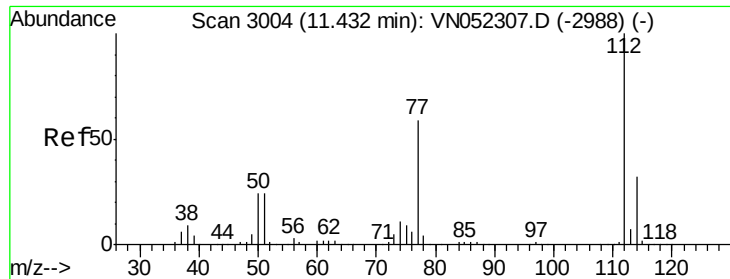
164 100

166 127.8 103.8 155.6

129 99.6 80.7 121.1

131 97.2 78.5 117.7





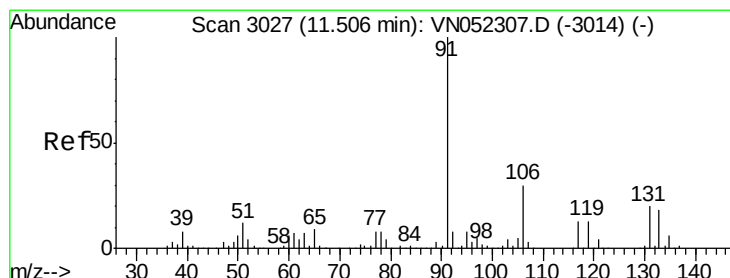
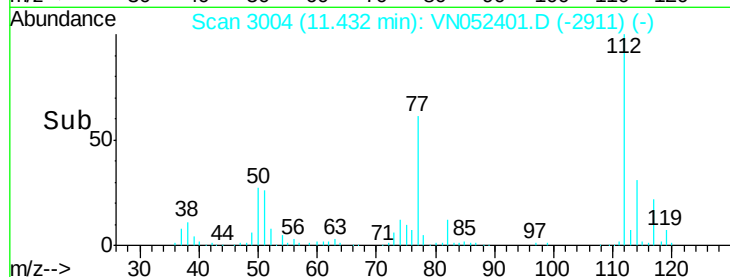
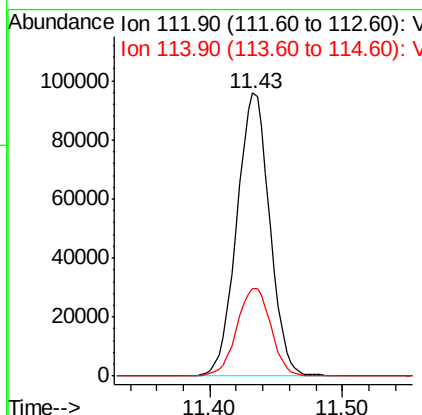
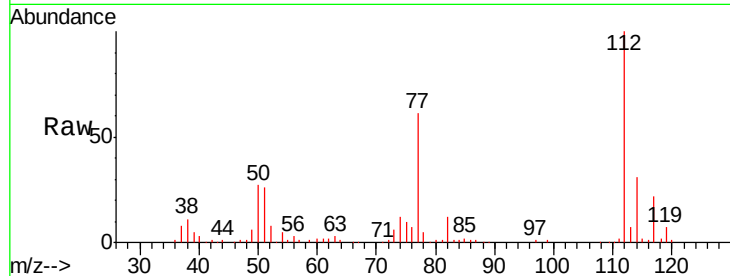
#65
Chlorobenzene
Concen: 20.11 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS01

Tgt Ion:112 Resp: 165071
Ion Ratio Lower Upper
112 100
114 30.9 25.9 38.9

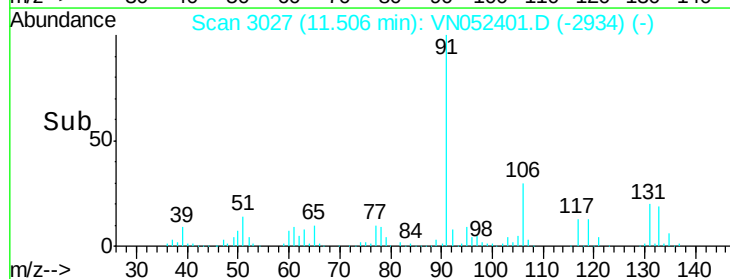
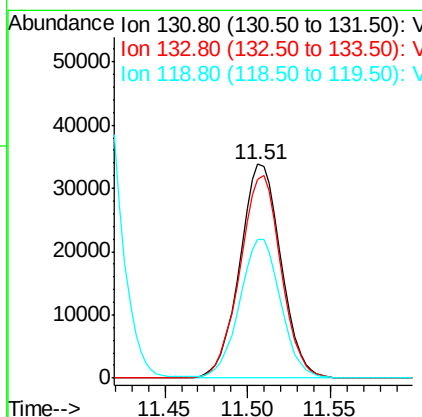
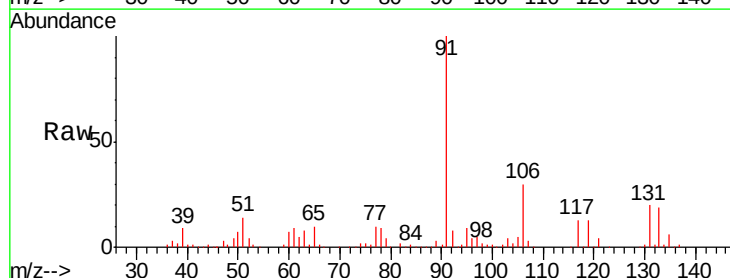
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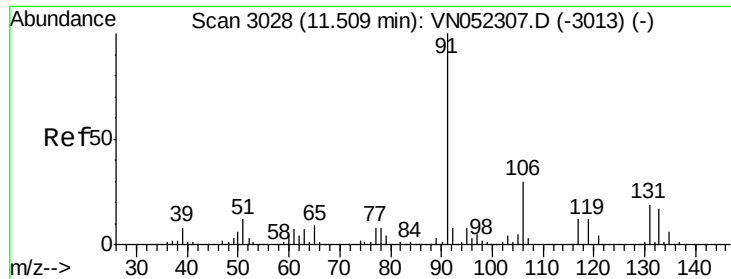
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.95 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Tgt Ion:131 Resp: 58641
Ion Ratio Lower Upper
131 100
133 94.2 47.4 142.3
119 64.7 33.3 99.9





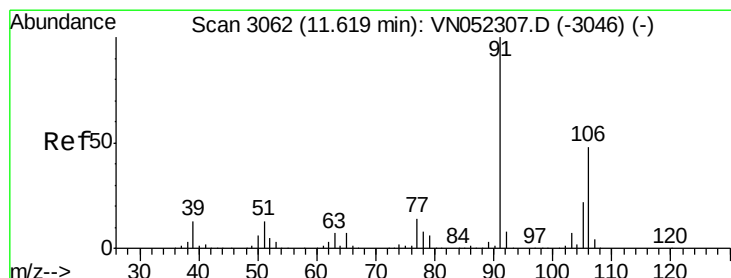
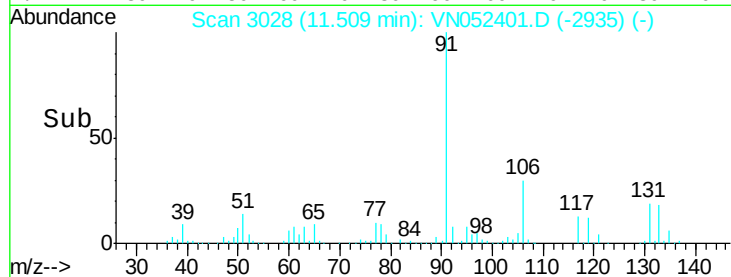
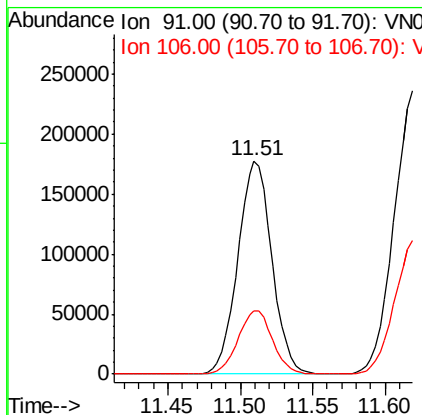
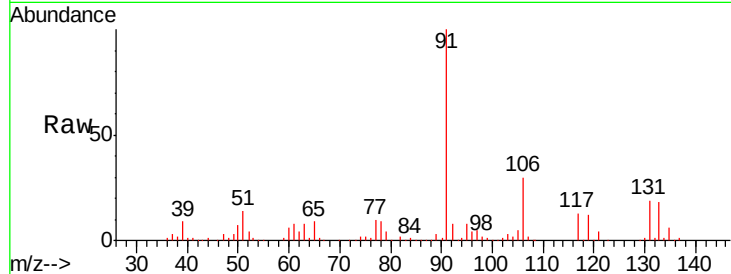
#67
Ethyl Benzene
Concen: 20.30 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS01

Tgt Ion: 91 Resp: 289267
Ion Ratio Lower Upper
91 100
106 30.0 24.2 36.2

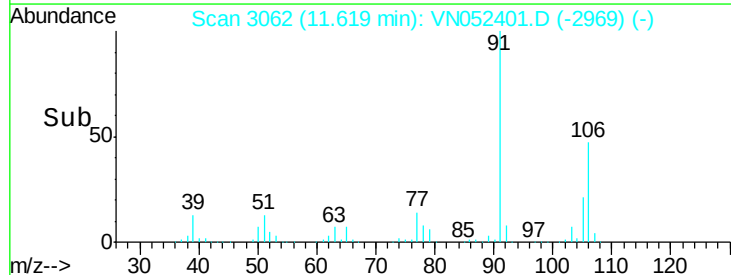
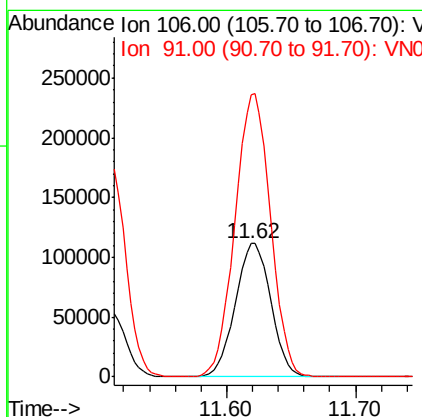
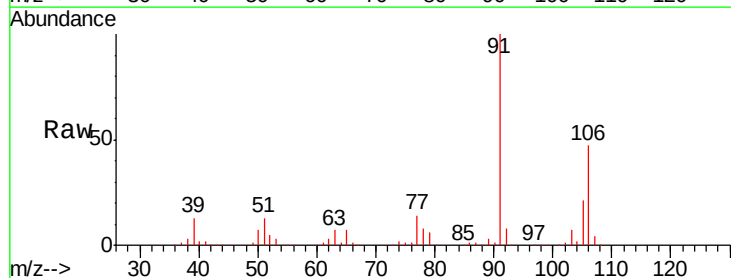
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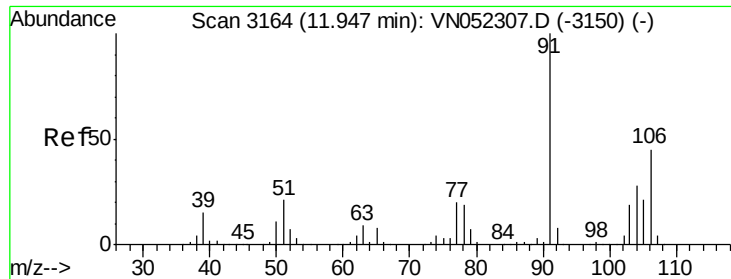
MMDadoda
11/21/2018 5:12:33 PM



#68
m/p-Xylenes
Concen: 41.04 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Tgt Ion: 106 Resp: 213668
Ion Ratio Lower Upper
106 100
91 211.8 165.5 248.3





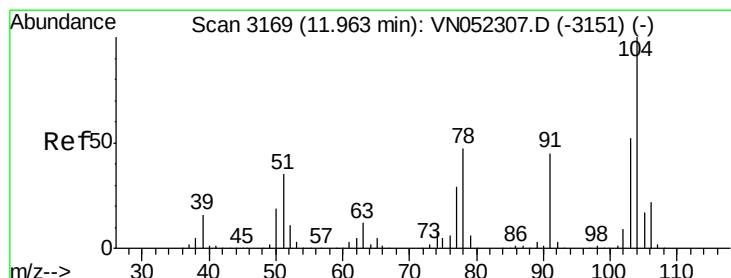
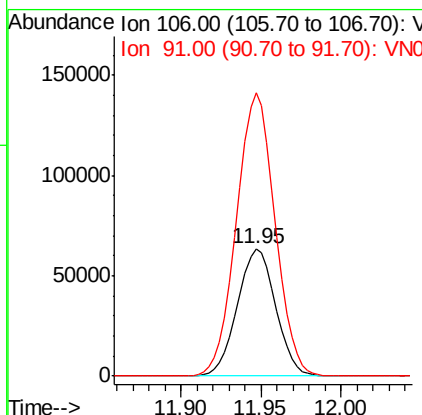
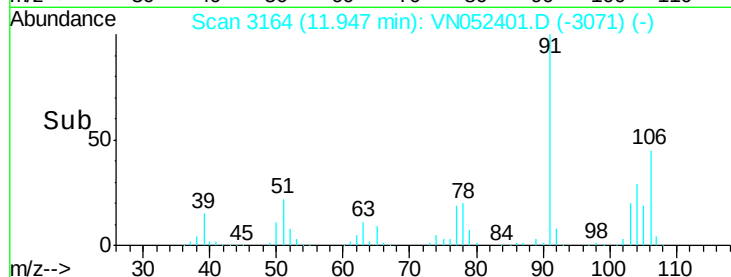
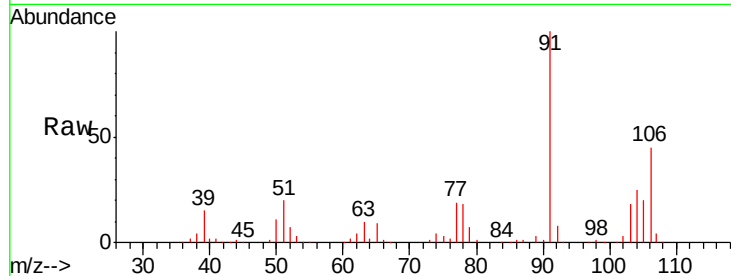
#69
o-Xylene
Concen: 20.78 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS01

Tgt Ion:106 Resp: 103711
Ion Ratio Lower Upper
106 100
91 223.4 110.0 330.0

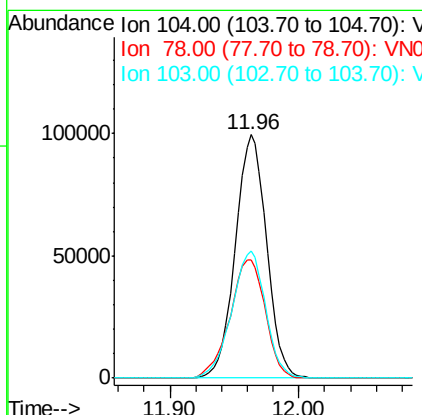
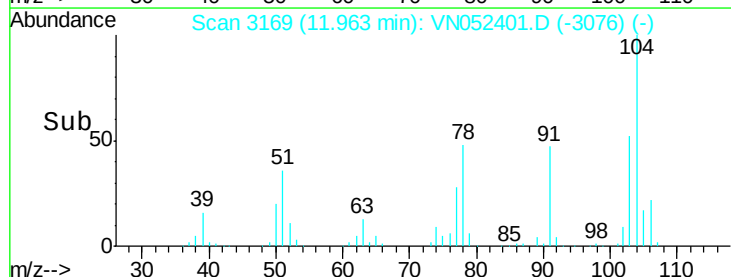
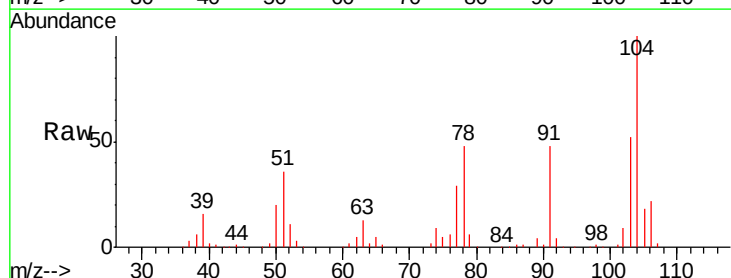
Manual Integrations
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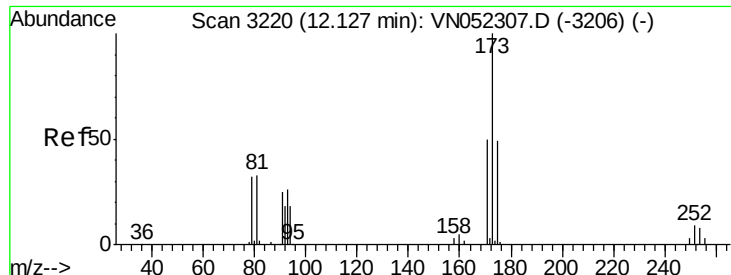
MMDadoda
11/21/2018 5:12:33 PM



#70
Styrene
Concen: 20.94 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Tgt Ion:104 Resp: 167311
Ion Ratio Lower Upper
104 100
78 54.9 42.7 64.1
103 56.6 45.4 68.0





#71

Bromoform

Concen: 21.71 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052401.D

Acq: 20 Nov 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN1120WBS01

Tgt Ion:173 Resp: 35895

Ion Ratio Lower Upper

173 100

175 48.8 25.0 75.0

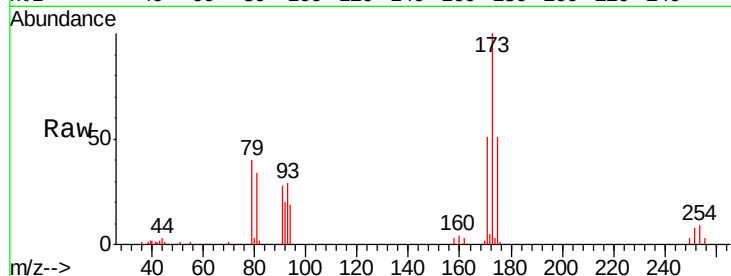
254 0.0 0.0 0.0

Manual Integrations

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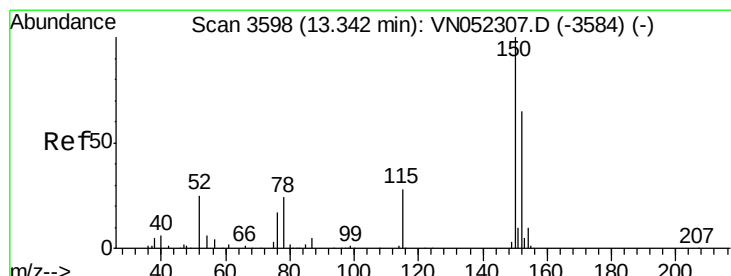
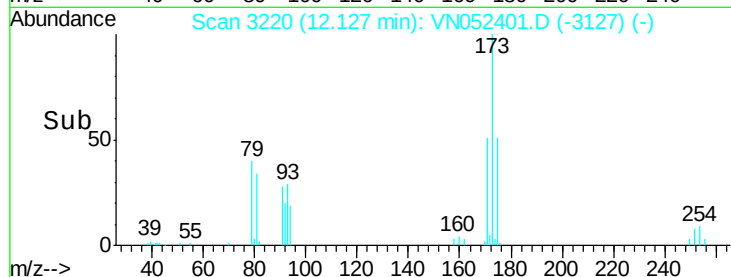
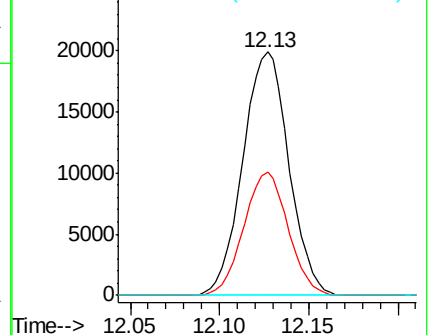
11/21/2018 5:12:33 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052401.D

Acq: 20 Nov 2018 12:25

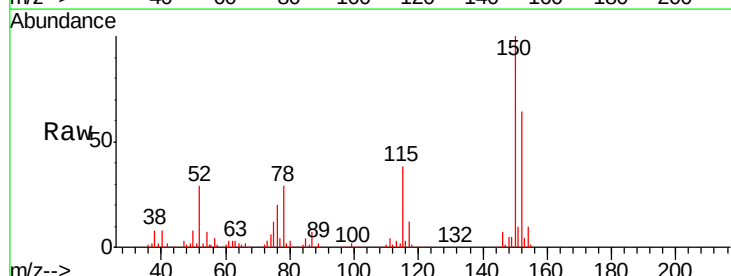
Tgt Ion:152 Resp: 174722

Ion Ratio Lower Upper

152 100

115 60.3 30.3 91.0

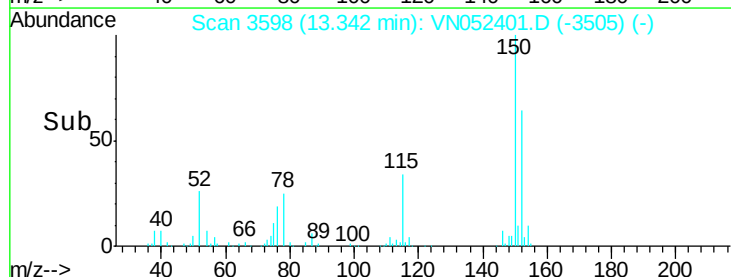
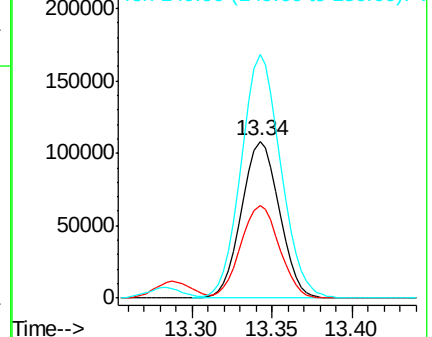
150 162.7 0.0 348.2

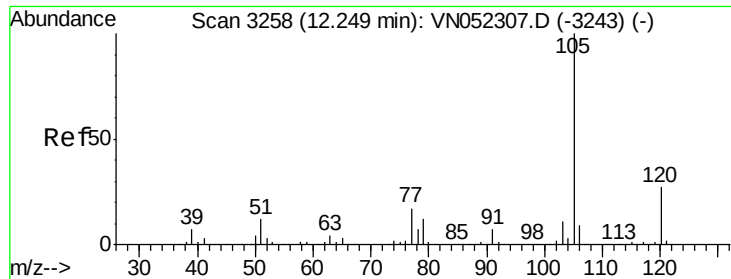


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.04 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052401.D

Acq: 20 Nov 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN1120WBS01

Tgt Ion: 105 Resp: 281537

Ion Ratio Lower Upper

105 100

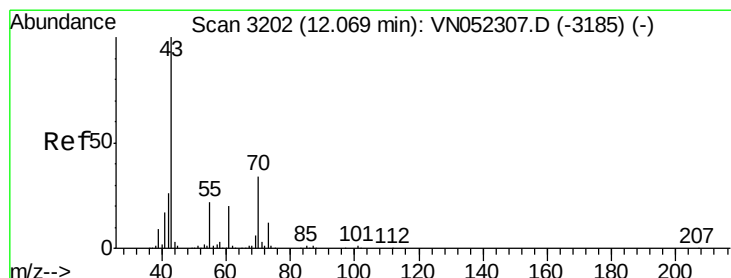
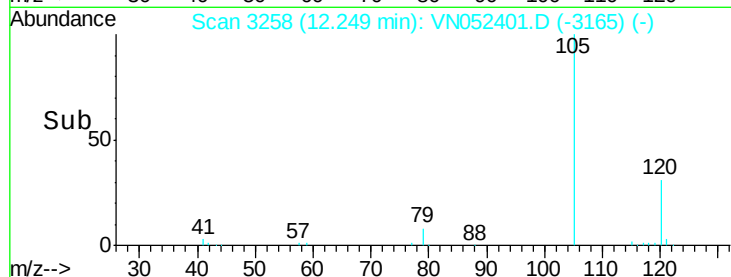
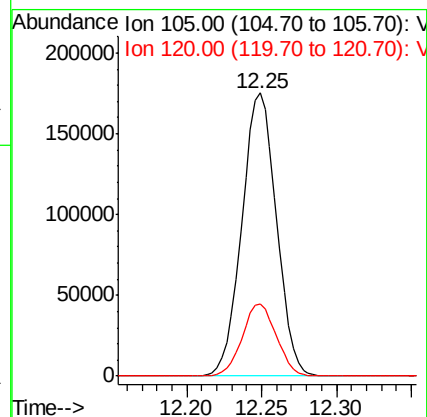
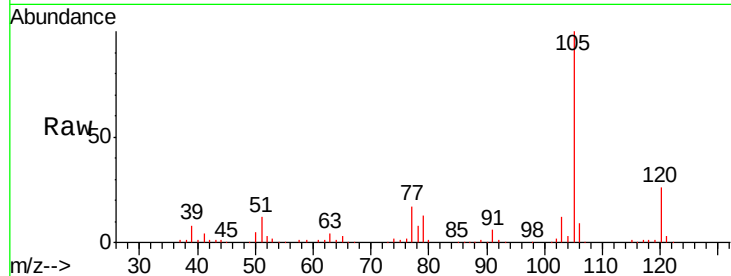
120 25.3 13.4 40.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 17.59 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052401.D

Acq: 20 Nov 2018 12:25

Tgt Ion: 43 Resp: 88006

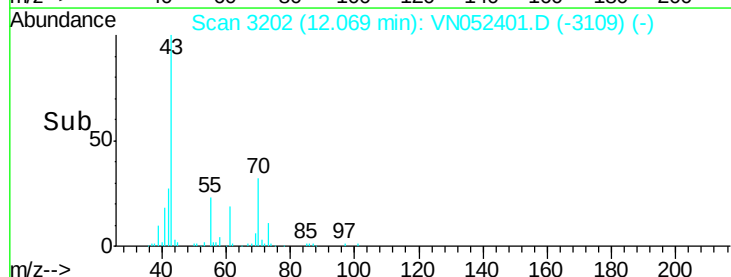
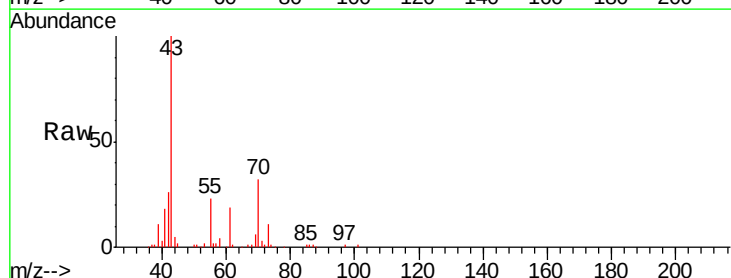
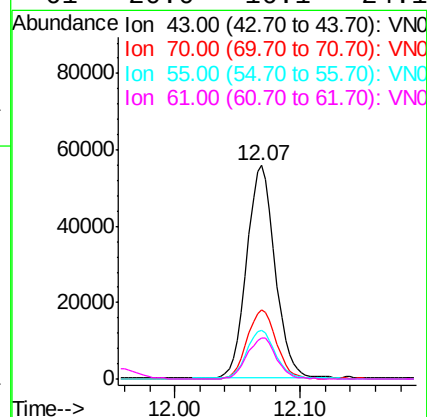
Ion Ratio Lower Upper

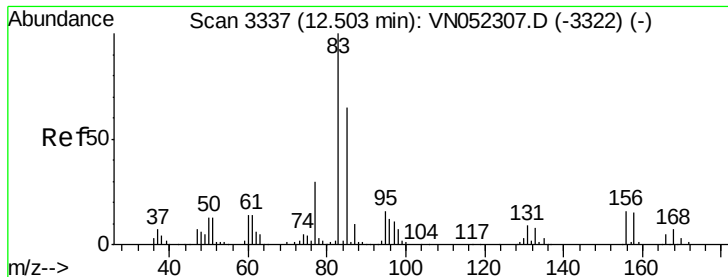
43 100

70 33.4 27.1 40.7

55 23.5 17.4 26.0

61 20.0 16.1 24.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.53 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052401.D

Acq: 20 Nov 2018 12:25

Instrument :

MSVOA_N

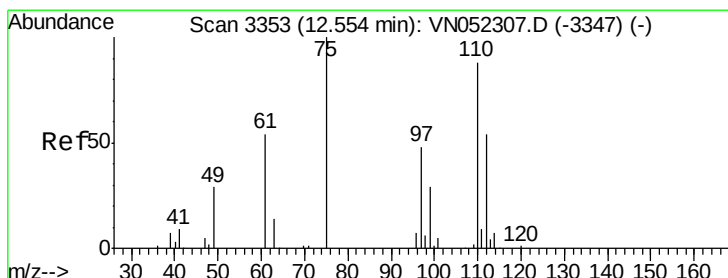
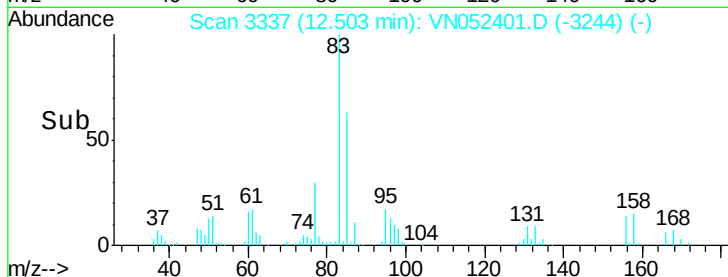
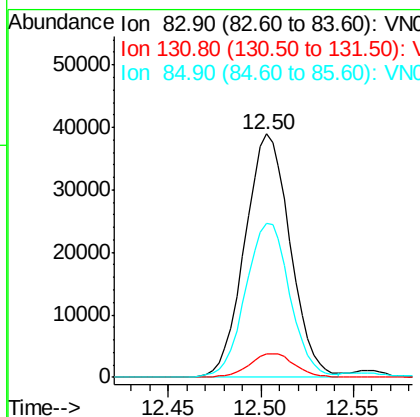
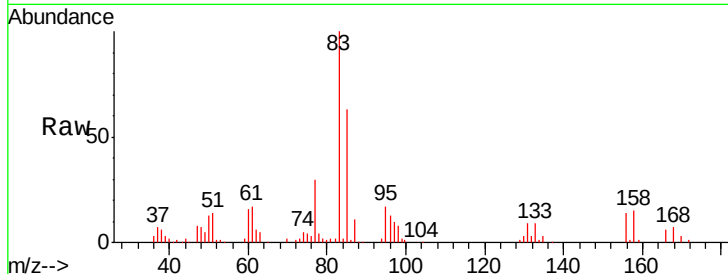
ClientSampleId :

VN1120WBS01

Tgt Ion:	83	Resp:	66330
Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.7	14.1
85	62.1	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 20.30 ug/l m

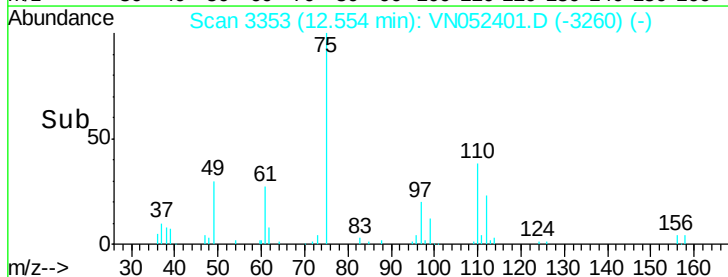
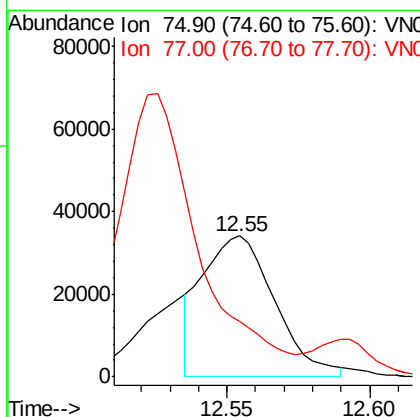
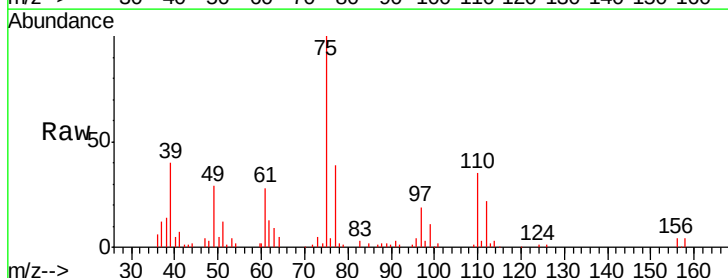
RT: 12.55 min Scan# 3353

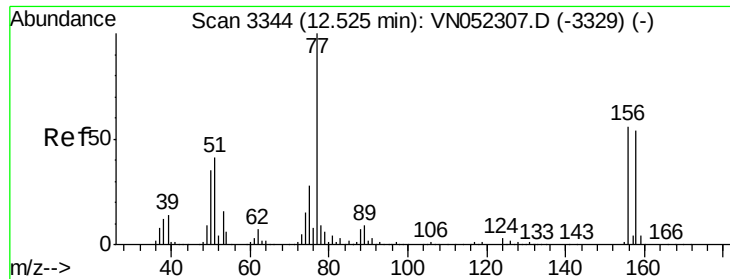
Delta R.T. 0.00 min

Lab File: VN052401.D

Acq: 20 Nov 2018 12:25

Tgt Ion:	75	Resp:	60195
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





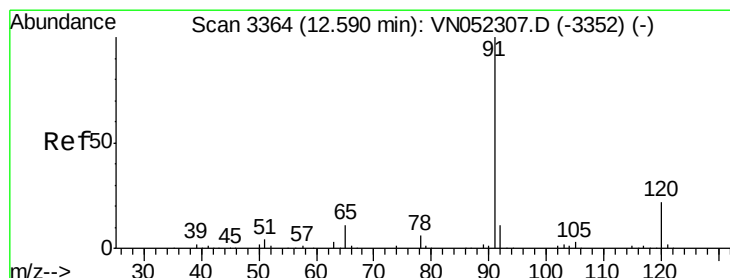
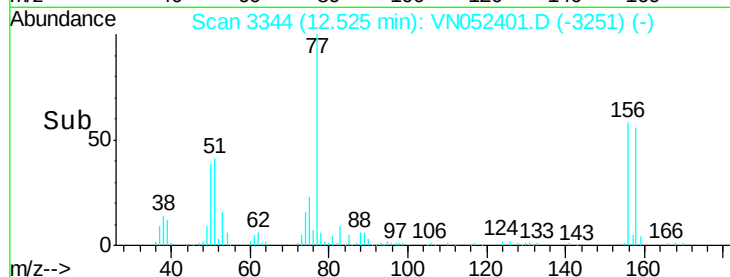
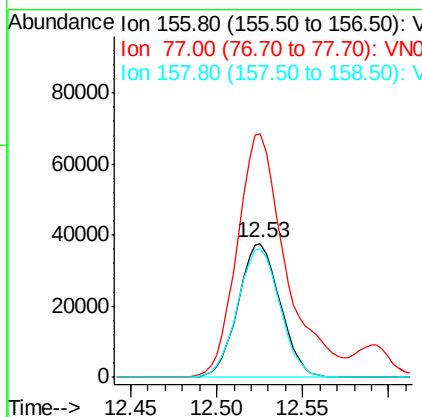
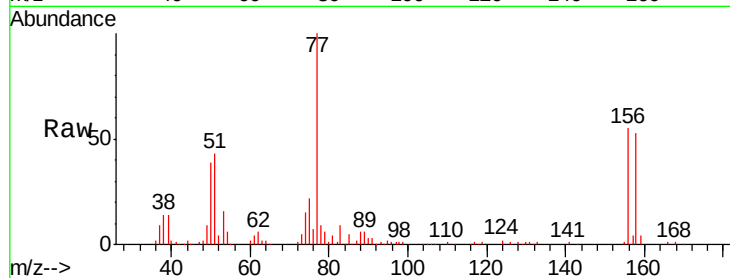
#77
Bromobenzene
Concen: 19.50 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS01

Tgt Ion: 156 Resp: 63749
Ion Ratio Lower Upper
156 100
77 211.5 103.6 310.9
158 97.1 48.1 144.4

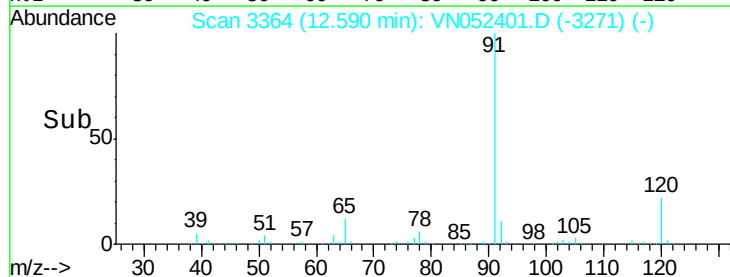
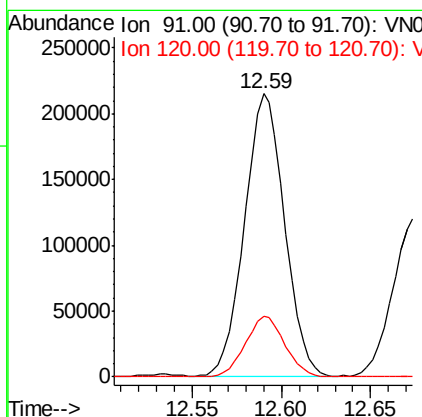
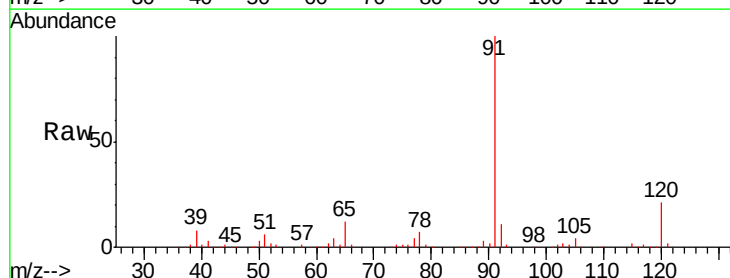
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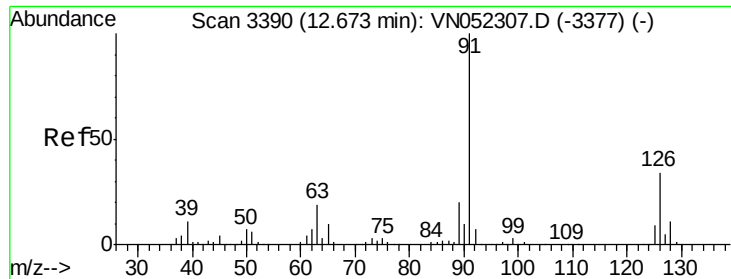
MMDadoda
11/21/2018 5:12:33 PM



#78
n-propylbenzene
Concen: 20.46 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Tgt Ion: 91 Resp: 336189
Ion Ratio Lower Upper
91 100
120 21.3 11.1 33.1





#79

2-Chlorotoluene

Concen: 20.42 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052401.D

Acq: 20 Nov 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN1120WBS01

Tgt Ion: 91 Resp: 195972

Ion Ratio Lower Upper

91 100

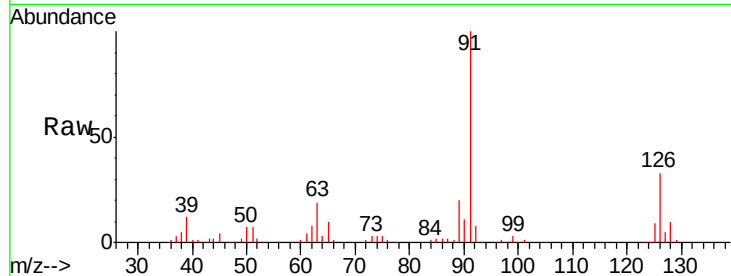
126 33.1 17.0 51.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN052307.D (-3377) (-)

250000

200000

150000

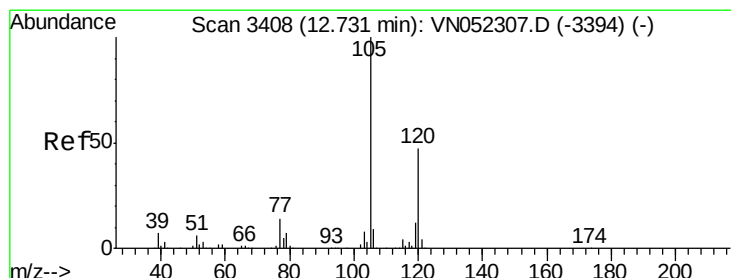
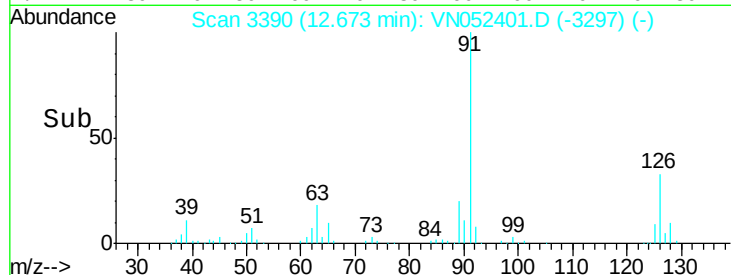
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.73 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052401.D

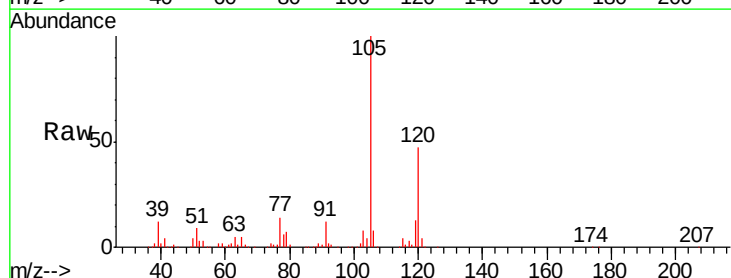
Acq: 20 Nov 2018 12:25

Tgt Ion: 105 Resp: 231629

Ion Ratio Lower Upper

105 100

120 46.8 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN052307.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN052307.D (-3394) (-)

150000

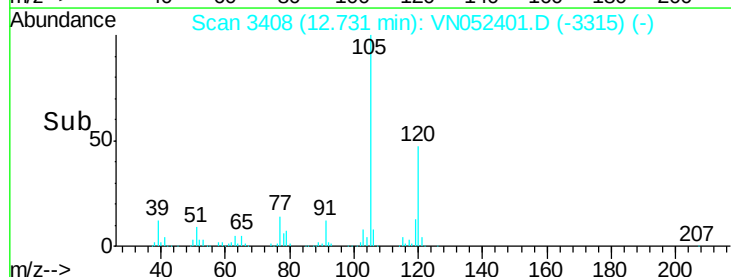
100000

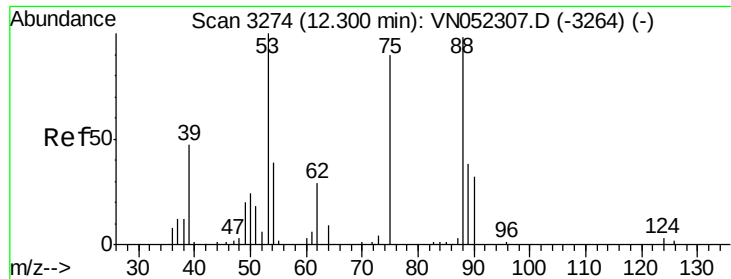
50000

0

12.65 12.70 12.75 12.80

Time-->





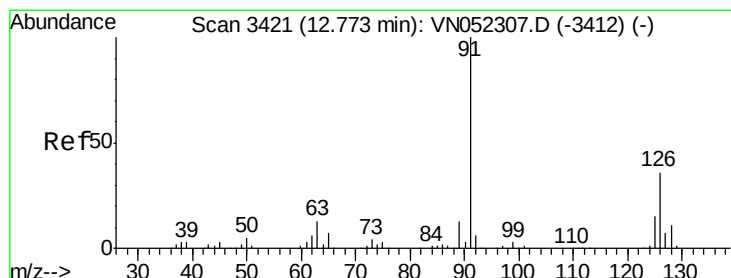
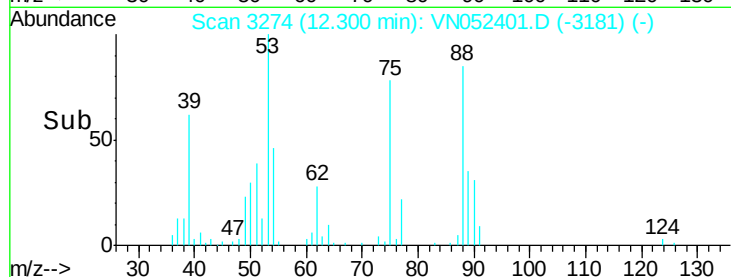
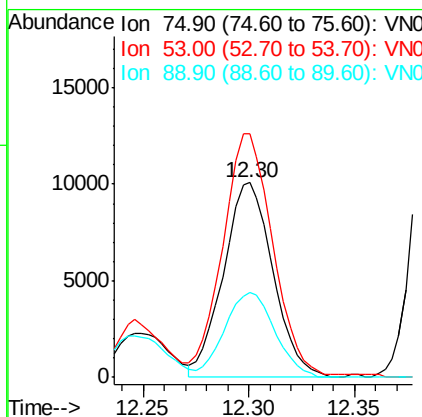
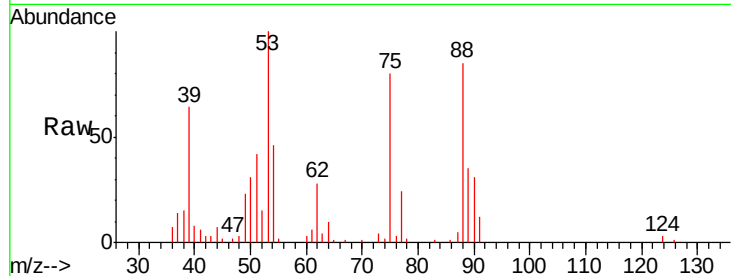
#81
trans-1,4-Dichloro-2-butene
Concen: 18.00 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS01

Tgt Ion: 75 Resp: 16449
Ion Ratio Lower Upper
75 100
53 124.4 90.2 135.2
89 44.0 35.4 53.0

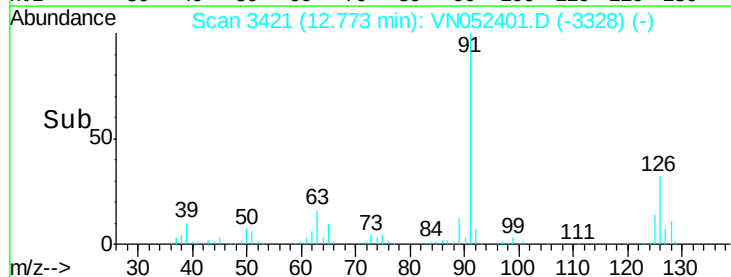
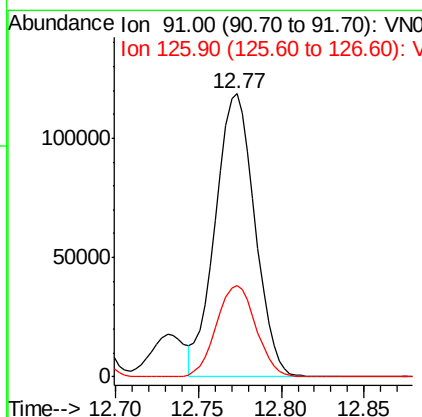
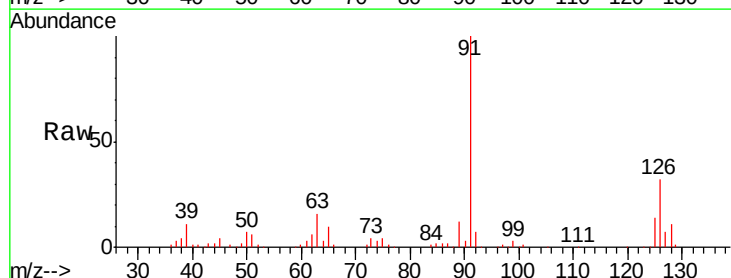
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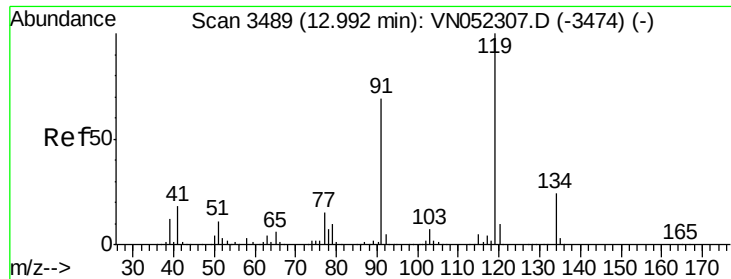
MMDadoda
11/21/2018 5:12:33 PM



#82
4-Chlorotoluene
Concen: 20.05 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Tgt Ion: 91 Resp: 197143
Ion Ratio Lower Upper
91 100
126 32.4 17.0 50.9





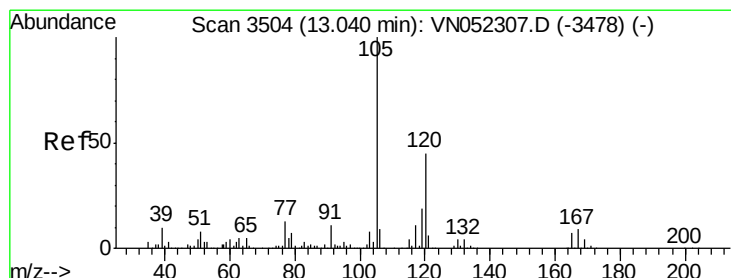
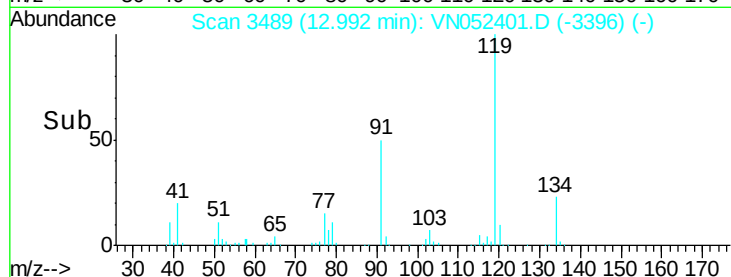
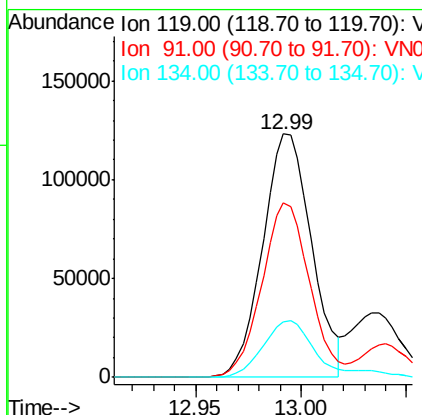
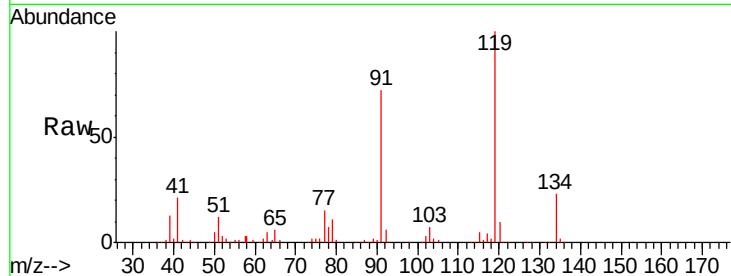
#83
 tert-Butylbenzene
 Concen: 20.15 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN052401.D
 Acq: 20 Nov 2018 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1120WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	198761		
91	69.8	33.8	101.3	
134	23.5	11.9	35.9	

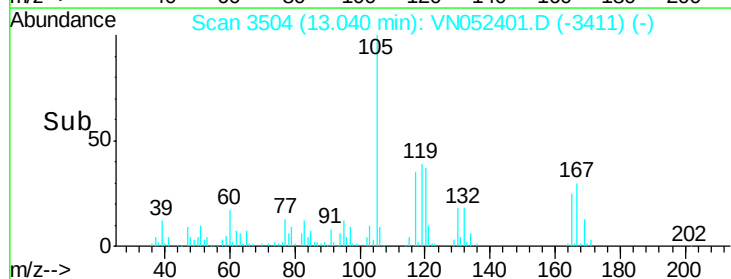
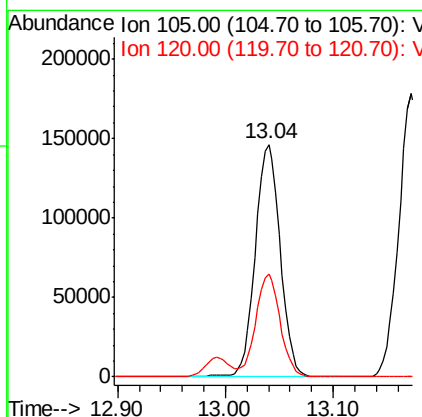
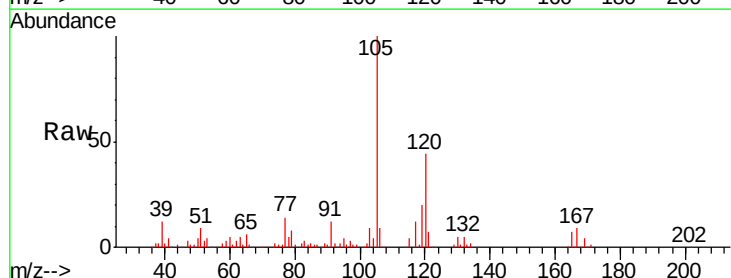
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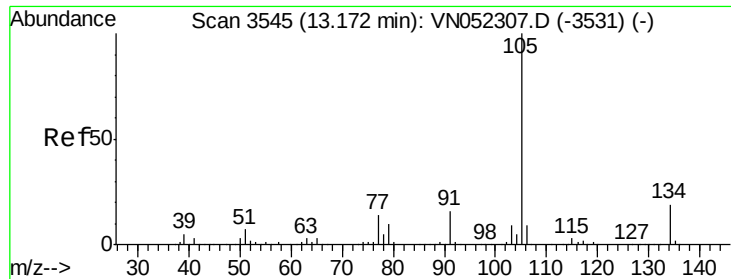
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.90 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052401.D
 Acq: 20 Nov 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	234364		
120	43.3	22.5	67.5	





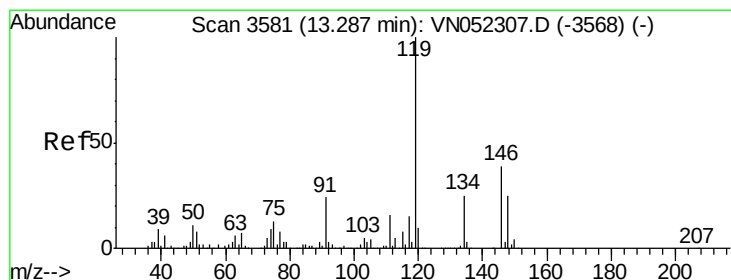
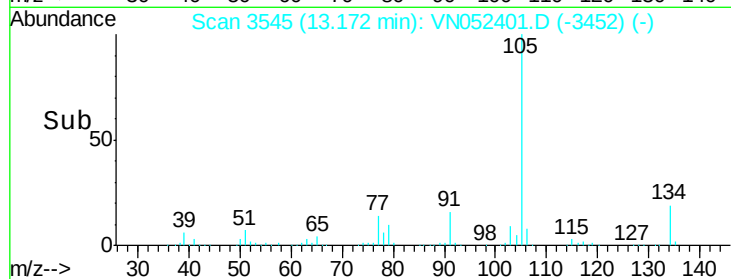
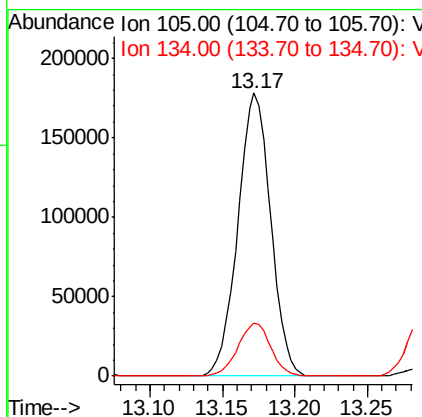
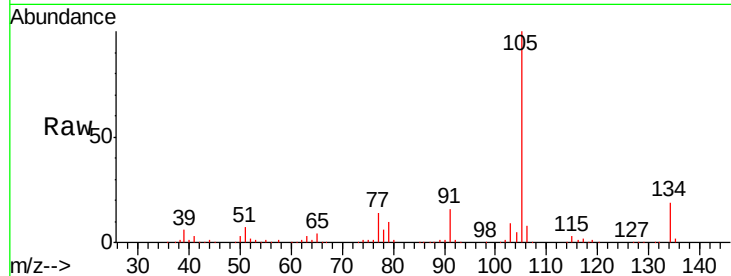
#85
 sec-Butylbenzene
 Concen: 20.89 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052401.D
 Acq: 20 Nov 2018 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1120WBS01

Tgt Ion:105 Resp: 280684
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.5 28.5

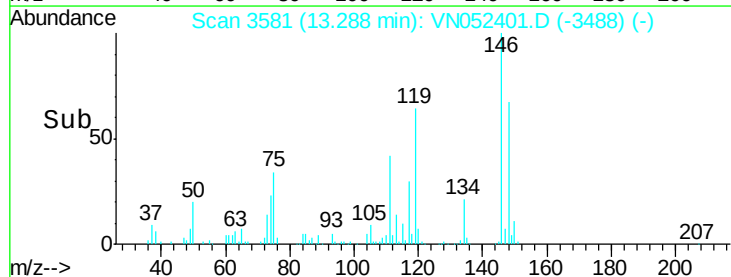
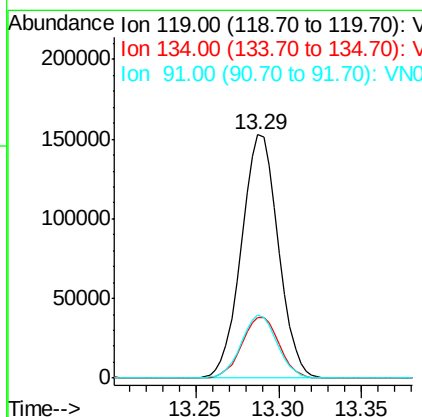
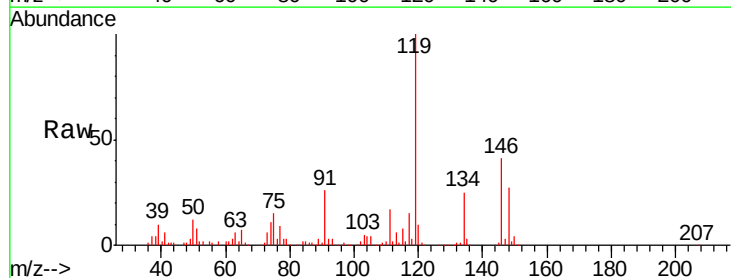
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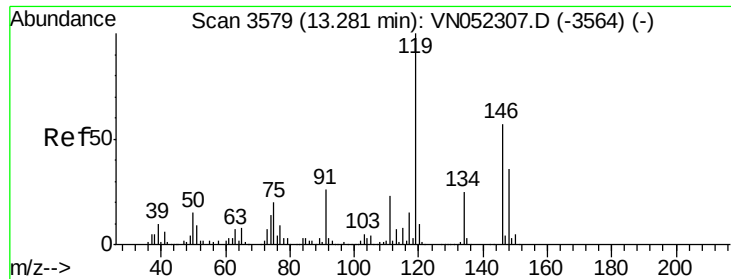
MMDadoda
 11/21/2018 5:12:33 PM



#86
 p-Isopropyltoluene
 Concen: 20.77 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052401.D
 Acq: 20 Nov 2018 12:25

Tgt Ion:119 Resp: 236357
 Ion Ratio Lower Upper
 119 100
 134 25.3 13.0 38.9
 91 25.5 12.4 37.0





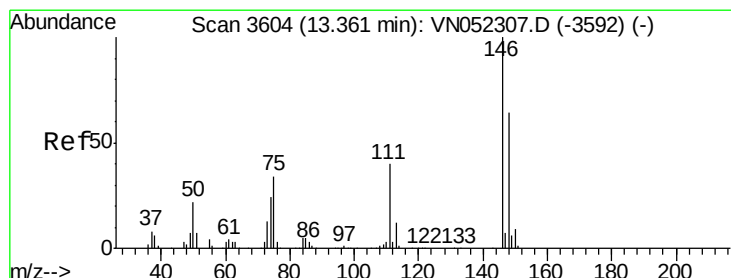
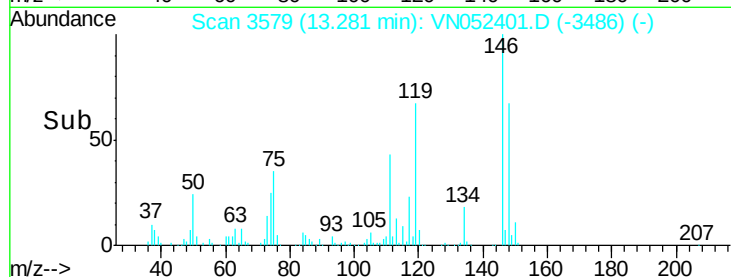
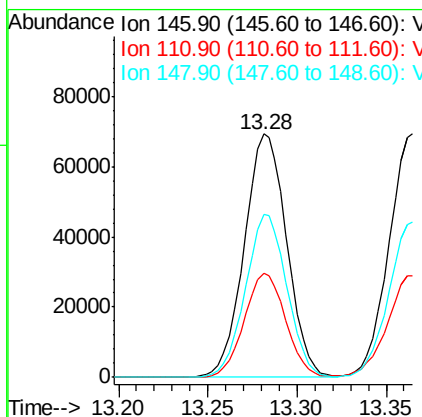
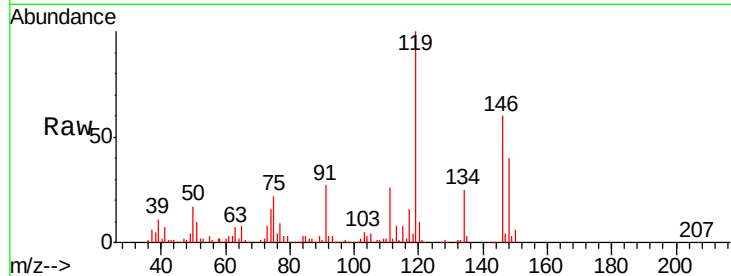
#87
 1,3-Dichlorobenzene
 Concen: 19.87 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052401.D
 Acq: 20 Nov 2018 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1120WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	115365		
111	41.8	20.3	61.0	
148	65.3	31.8	95.4	

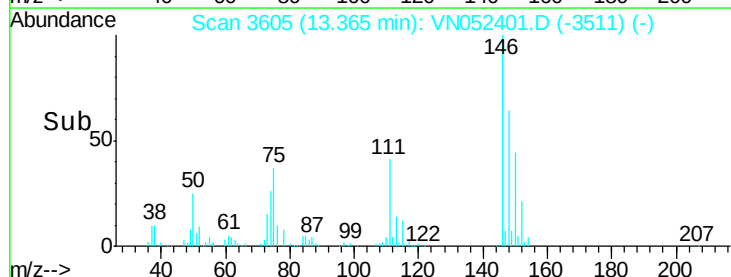
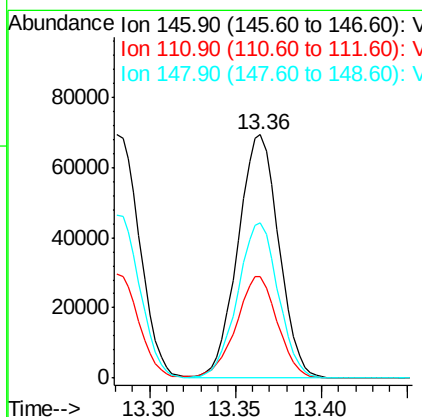
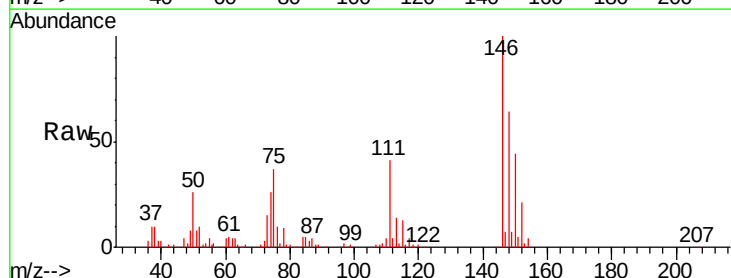
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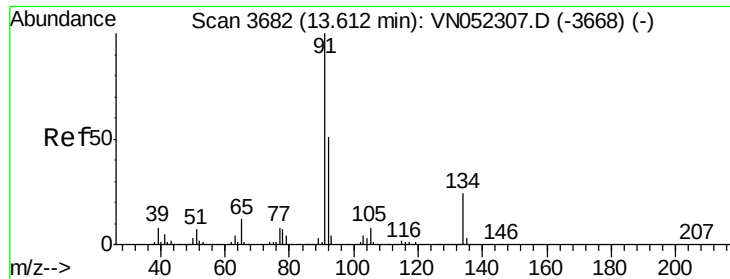
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#88
 1,4-Dichlorobenzene
 Concen: 19.88 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052401.D
 Acq: 20 Nov 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	114712		
111	42.4	20.6	61.8	
148	63.3	32.4	97.2	





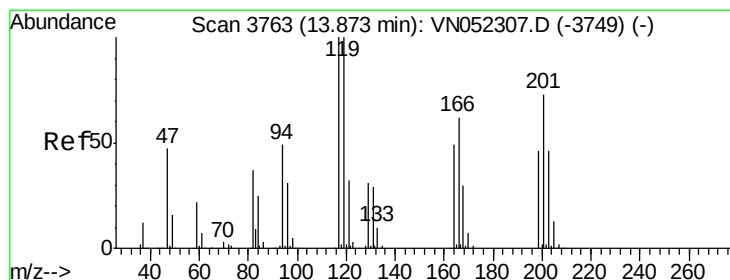
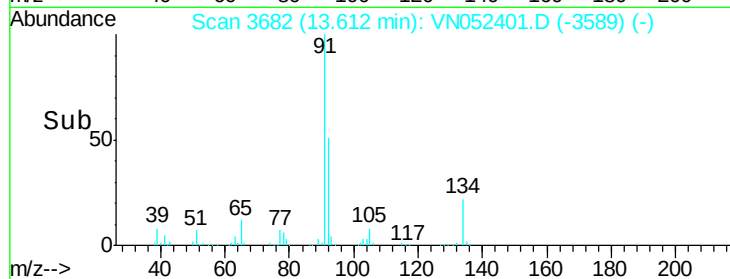
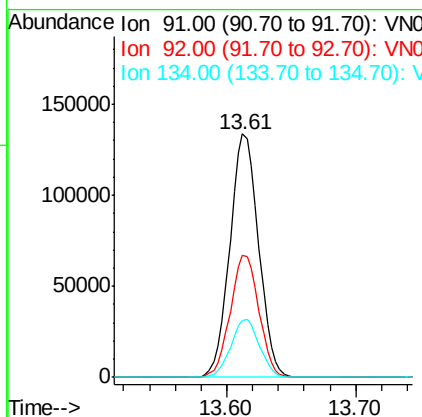
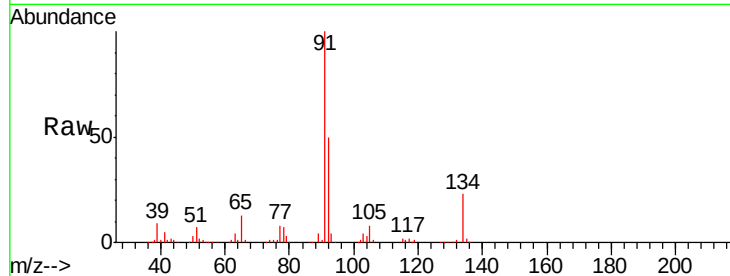
#89
n-Butylbenzene
Concen: 21.12 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.0	25.4	76.2
134	23.9	12.2	36.4

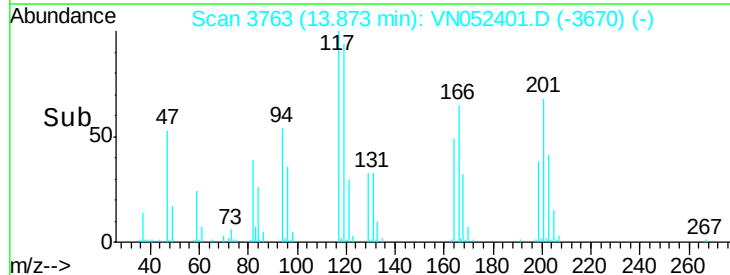
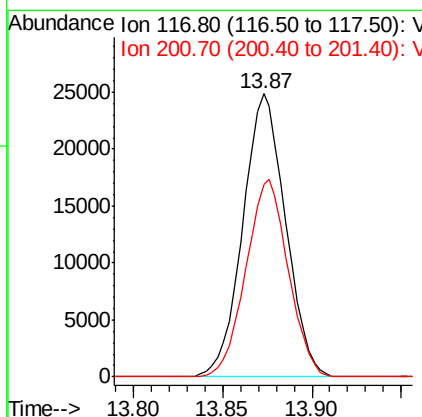
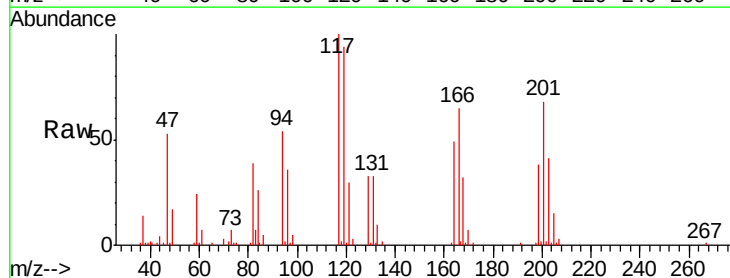
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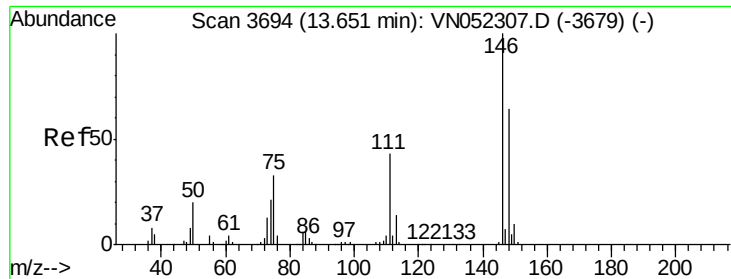
MMDadoda
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#90
Hexachloroethane
Concen: 20.65 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.0	35.3	105.9





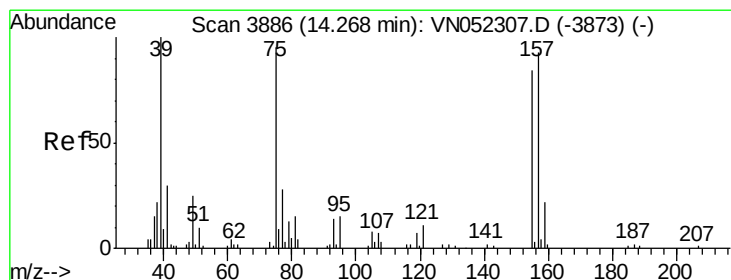
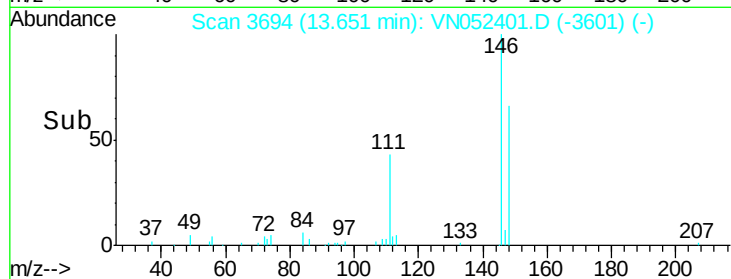
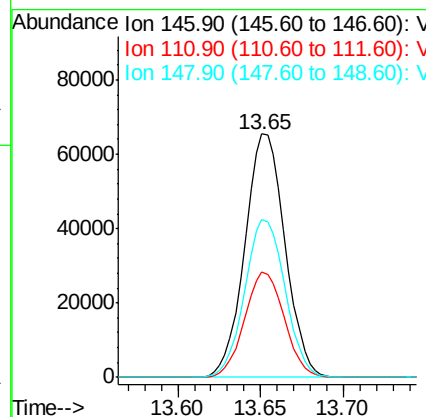
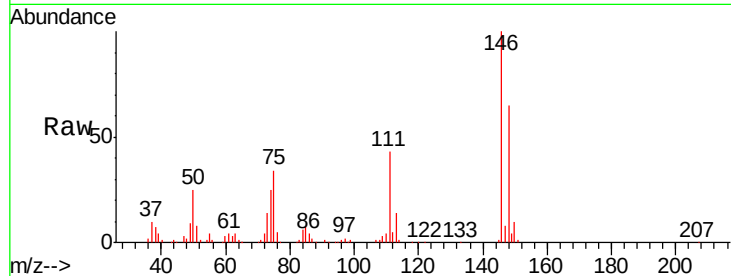
#91
 1,2-Dichlorobenzene
 Concen: 19.62 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052401.D
 Acq: 20 Nov 2018 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1120WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	63.9
148	65.2	31.6	94.8

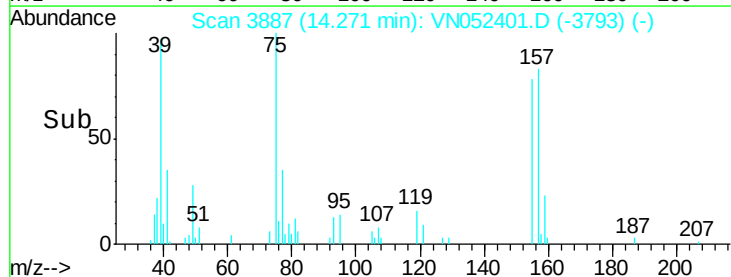
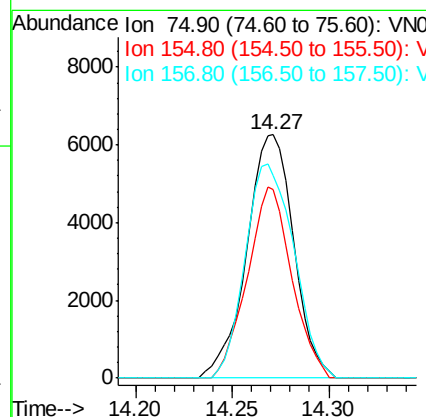
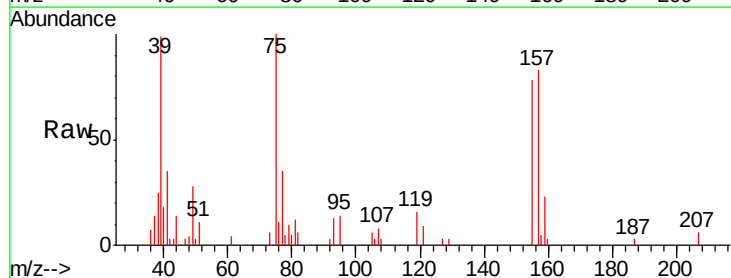
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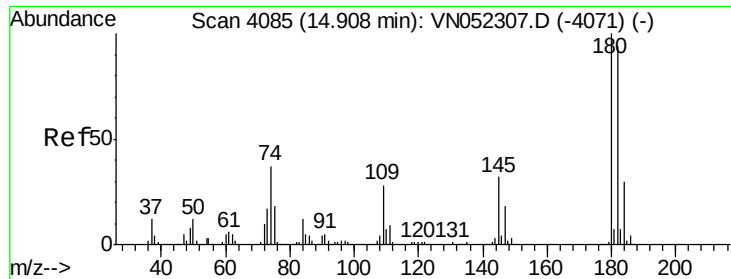
MMDadoda
 11/21/2018 5:12:33 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.17 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052401.D
 Acq: 20 Nov 2018 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.9	42.4	127.3
157	91.2	49.6	149.0





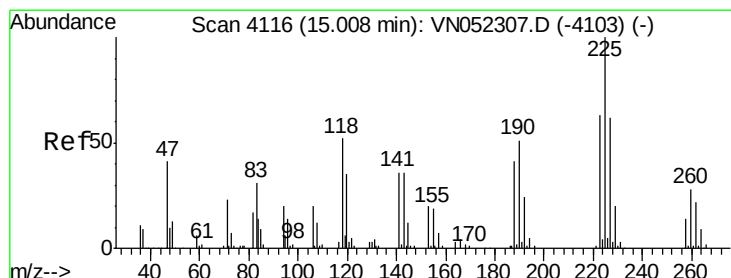
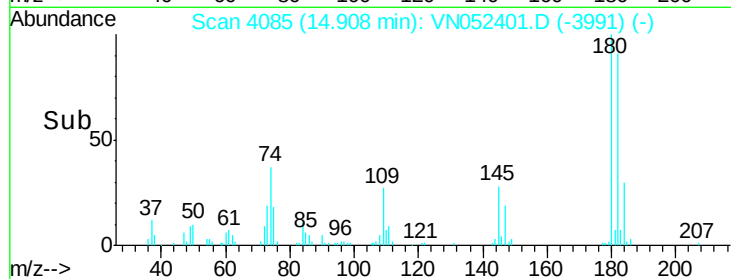
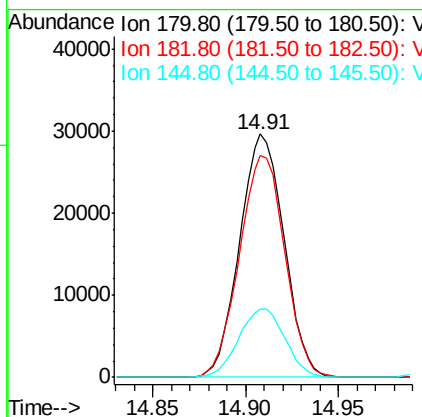
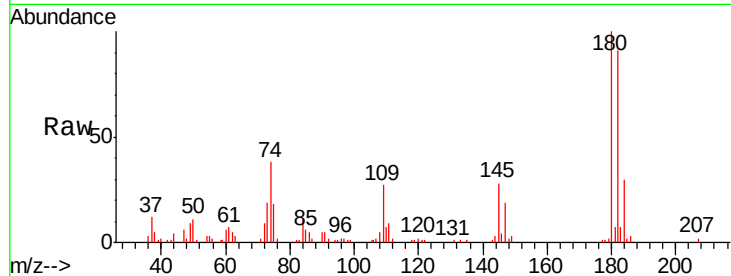
#93
1,2,4-Trichlorobenzene
Concen: 20.21 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.6	142.9
145	29.4	15.5	46.5

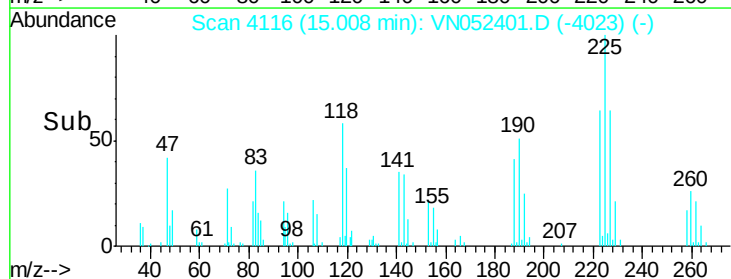
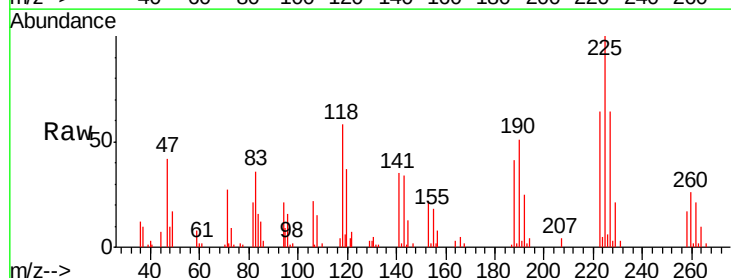
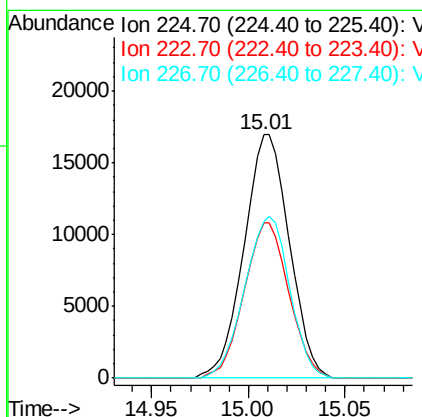
Manual Integrations
APPROVED

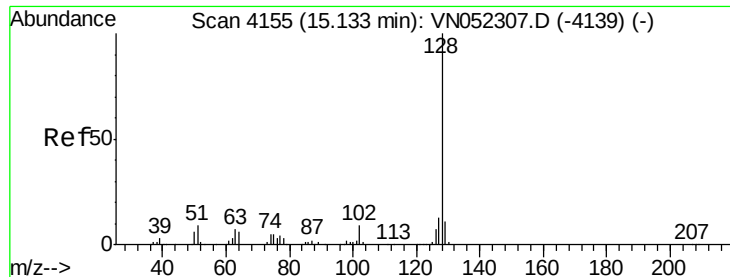
MMDadoda
11/21/2018 5:12:33 PM



#94
Hexachlorobutadiene
Concen: 21.52 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.9	95.5
227	65.9	31.6	95.0





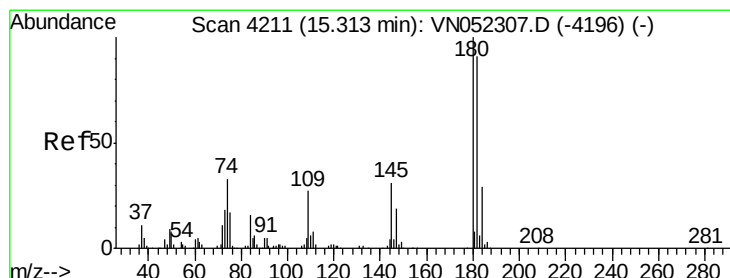
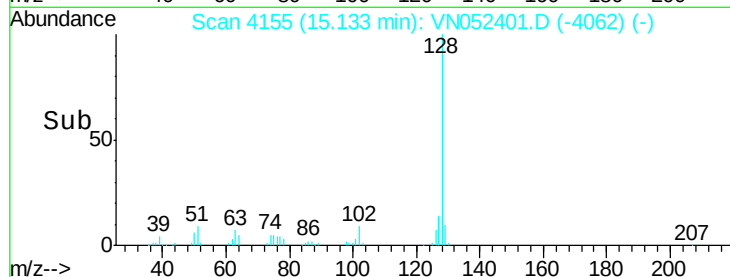
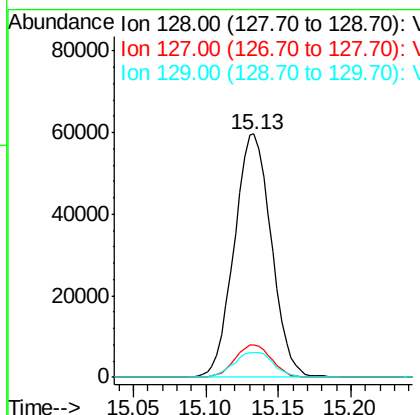
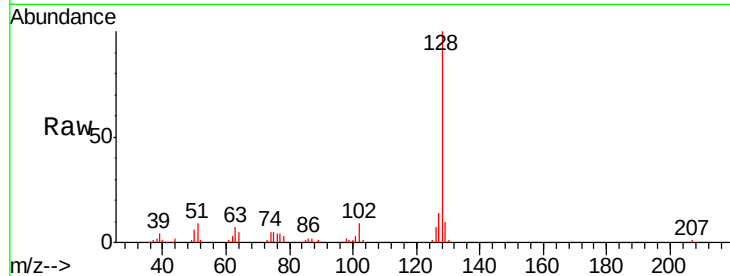
#95
Naphthalene
Concen: 18.85 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	105993		
127	13.1		10.4	15.6
129	11.0		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/21/2018 5:12:33 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.54 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052401.D
Acq: 20 Nov 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	43893		
182	94.1		46.5	139.3
145	34.1		16.4	49.2

