

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063902.D
 Acq On : 6 Oct 2020 18:44
 Operator : JC/MD
 Sample : VN1006WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:11:48 PM

Quant Time: Oct 07 04:30:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	264803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	426474	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	407644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	186054	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	211885	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
35) Dibromofluoromethane	7.55	113	146035	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
50) Toluene-d8	10.06	98	521597	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
62) 4-Bromofluorobenzene	12.38	95	193017	45.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	44971	16.095	ug/l	98
3) Chloromethane	2.04	50	54517	16.629	ug/l	96
4) Vinyl Chloride	2.17	62	53788	16.344	ug/l	98
5) Bromomethane	2.53	94	36095	17.437	ug/l	97
6) Chloroethane	2.68	64	36912	18.770	ug/l	97
7) Trichlorofluoromethane	2.99	101	89265	17.103	ug/l	95
8) Diethyl Ether	3.38	74	31060	17.596	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	48098	17.241	ug/l #	87
10) Methyl Iodide	3.91	142	56917	17.572	ug/l	97
11) Tert butyl alcohol	4.73	59	49393	102.266	ug/l	100
12) 1,1-Dichloroethene	3.70	96	46817	17.557	ug/l	98
13) Acrolein	3.57	56	34258	115.569	ug/l	99
14) Allyl chloride	4.28	41	90931	18.356	ug/l	91
15) Acrylonitrile	4.93	53	128482	92.934	ug/l	100
16) Acetone	3.78	43	121737	90.398	ug/l	99
17) Carbon Disulfide	4.01	76	121755	17.358	ug/l	100
18) Methyl Acetate	4.28	43	66506	19.021	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	174232	17.985	ug/l	98
20) Methylene Chloride	4.51	84	58405	18.996	ug/l	93
21) trans-1,2-Dichloroethene	5.00	96	51277	17.168	ug/l	97
22) Diisopropyl ether	5.90	45	195723	19.203	ug/l	96
23) Vinyl Acetate	5.85	43	780786	92.479	ug/l	100
24) 1,1-Dichloroethane	5.80	63	104989	18.016	ug/l	97
25) 2-Butanone	6.78	43	183699	96.215	ug/l	96
26) 2,2-Dichloropropane	6.78	77	92736	17.377	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	59633	17.360	ug/l	97
28) Bromochloromethane	7.15	49	51166	17.764	ug/l #	18
29) Tetrahydrofuran	7.17	42	124431	97.171	ug/l	96
30) Chloroform	7.33	83	114151	18.786	ug/l	94
31) Cyclohexane	7.62	56	84068	16.553	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	100425	18.323	ug/l	99
36) 1,1-Dichloropropene	7.75	75	75024	17.364	ug/l	99
37) Ethyl Acetate	6.88	43	80155	18.673	ug/l	97
38) Carbon Tetrachloride	7.74	117	87766	18.115	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	69520	16.135	ug/l	98
40) Benzene	8.00	78	228168	18.489	ug/l	98
41) Methacrylonitrile	7.14	41	38941m	20.412	ug/l	
42) 1,2-Dichloroethane	8.09	62	102199	19.401	ug/l	99
43) Isopropyl Acetate	8.13	43	135085	19.079	ug/l	100
44) Trichloroethene	8.80	130	57756	17.862	ug/l	99
45) 1,2-Dichloropropane	9.09	63	61061	18.321	ug/l	97
46) Dibromomethane	9.18	93	41925	18.235	ug/l	99
47) Bromodichloromethane	9.37	83	89352	18.857	ug/l	96
48) Methyl methacrylate	9.17	41	66954	19.140	ug/l	96
49) 1,4-Dioxane	9.17	88	18463	371.364	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	413557	99.530	ug/l	99
52) Toluene	10.13	92	138664	18.166	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	93196	18.348	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	96264	18.122	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	58420	19.084	ug/l	98
56) Ethyl methacrylate	10.40	69	79833	18.399	ug/l	96
57) 1,3-Dichloropropane	10.68	76	96649	18.662	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	226682	97.665	ug/l	100
59) 2-Hexanone	10.72	43	297897	96.511	ug/l	96
60) Dibromochloromethane	10.87	129	66808	18.740	ug/l	97
61) 1,2-Dibromoethane	10.98	107	58716	18.751	ug/l	99
64) Tetrachloroethene	10.60	164	54418	17.255	ug/l	96
65) Chlorobenzene	11.41	112	149521	17.881	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	58478	18.241	ug/l	99
67) Ethyl Benzene	11.49	91	261588	17.192	ug/l	98
68) m/p-Xylenes	11.59	106	193369	34.098	ug/l	98
69) o-Xylene	11.92	106	92867	17.521	ug/l	99
70) Styrene	11.94	104	157458	17.500	ug/l	99
71) Bromoform	12.10	173	43593	17.780	ug/l #	97
73) Isopropylbenzene	12.23	105	245010	18.054	ug/l	99
74) N-amyl acetate	12.05	43	110933	19.024	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	80551	19.411	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	76919m	18.755	ug/l	
77) Bromobenzene	12.50	156	63980	19.214	ug/l	98
78) n-propylbenzene	12.57	91	275566	17.448	ug/l	100
79) 2-Chlorotoluene	12.65	91	177816	18.307	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	205139	18.018	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	25894	18.184	ug/l	93
82) 4-Chlorotoluene	12.75	91	183671	18.215	ug/l	99
83) tert-Butylbenzene	12.97	119	162928	17.495	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	201026	17.685	ug/l	97
85) sec-Butylbenzene	13.15	105	209457	17.124	ug/l	99
86) p-Isopropyltoluene	13.26	119	187233	17.303	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	109966	18.254	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	110574	17.628	ug/l	100
89) n-Butylbenzene	13.59	91	159097	15.930	ug/l	99
90) Hexachloroethane	13.85	117	36070	17.202	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	108799	18.234	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	17851	18.343	ug/l	97

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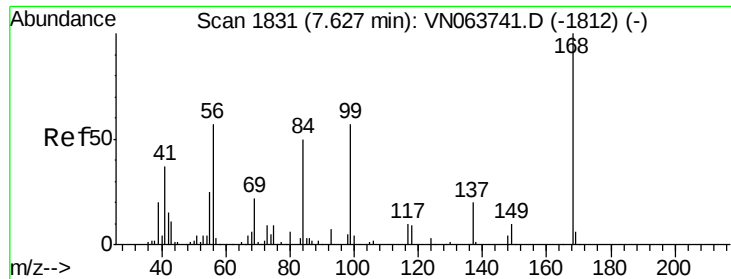
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	50071	16.633	ug/l	95
94) Hexachlorobutadiene	14.98	225	29353	18.186	ug/l	97
95) Naphthalene	15.11	128	144625	15.776	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	49602	16.836	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063902.D

Acq: 6 Oct 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBS02

Tot Ion:168 Resp: 264803

Ion Ratio Lower Upper

168 100

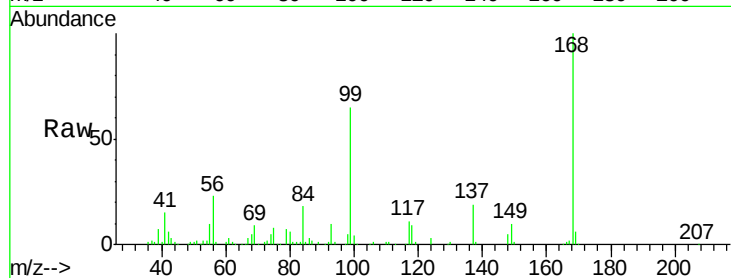
99 64.6 51.8 77.6

Manual Integrations

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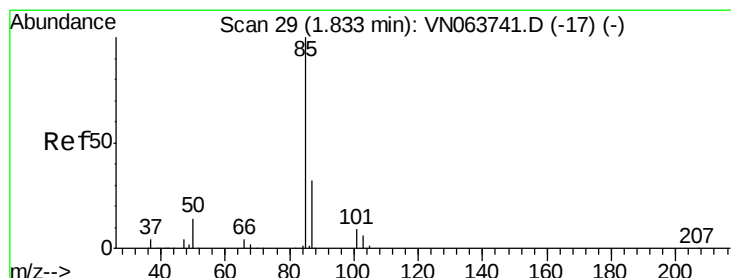
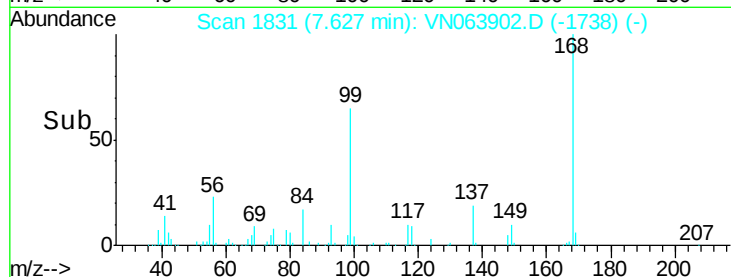
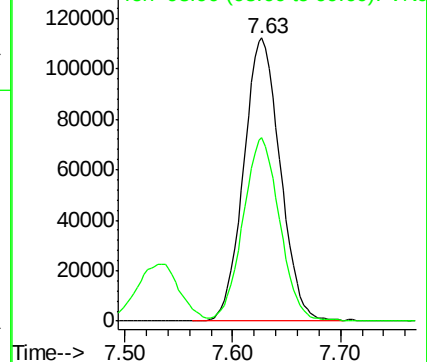
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 16.095 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063902.D

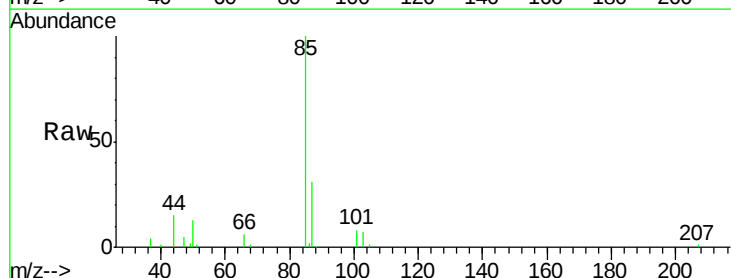
Acq: 6 Oct 2020 18:44

Tgt Ion: 85 Resp: 44971

Ion Ratio Lower Upper

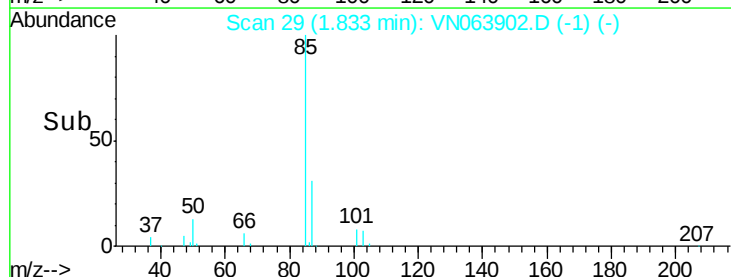
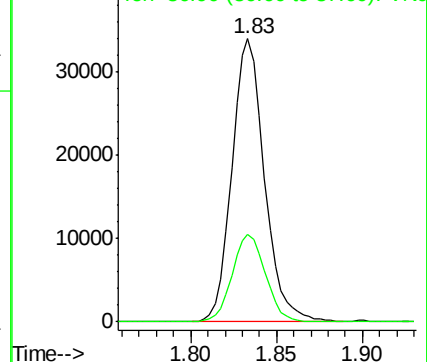
85 100

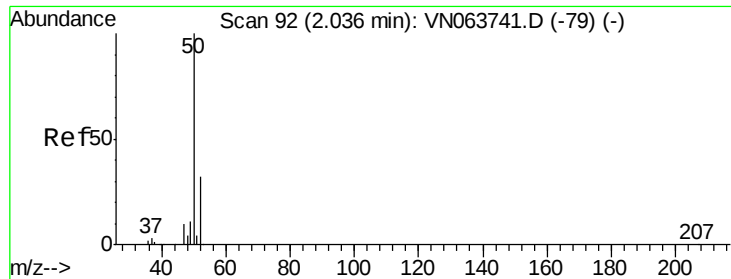
87 31.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 16.629 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063902.D

Acq: 6 Oct 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBS02

Tot Ion: 50 Resp: 54517

Ion Ratio Lower Upper

50 100

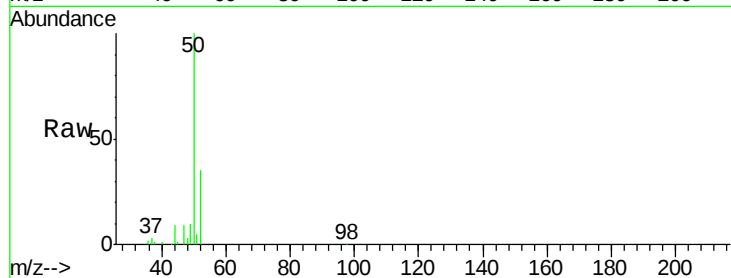
52 34.5 25.8 38.8

Manual Integrations

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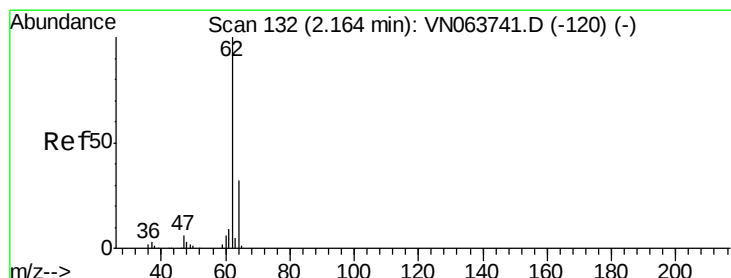
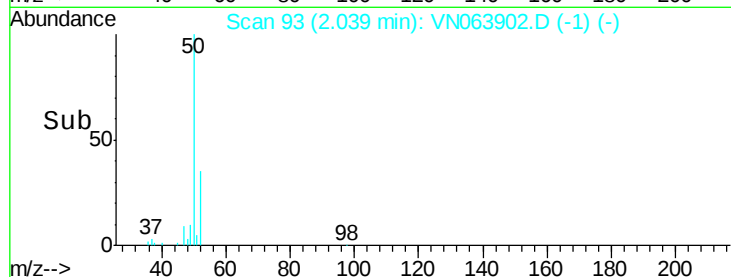
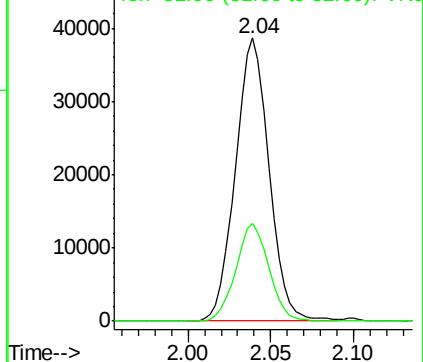
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 16.344 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063902.D

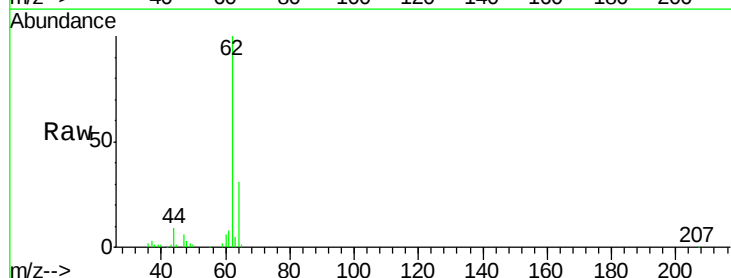
Acq: 6 Oct 2020 18:44

Tgt Ion: 62 Resp: 53788

Ion Ratio Lower Upper

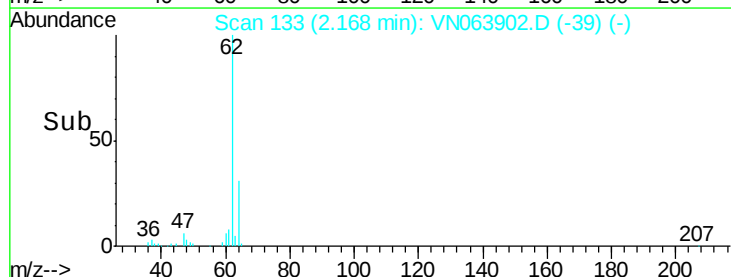
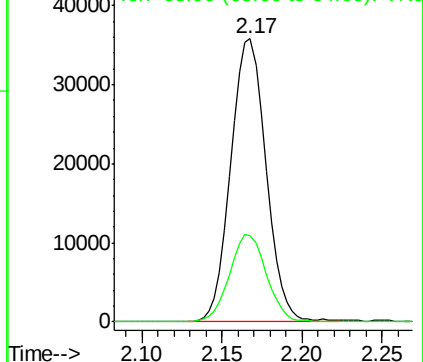
62 100

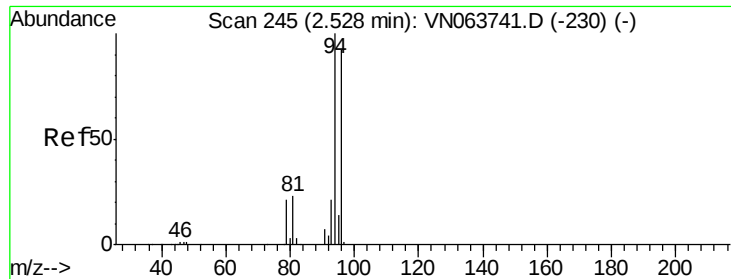
64 30.7 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 17.437 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN063902.D

Acq: 6 Oct 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBS02

Tot Ion: 94 Resp: 36095

Ion Ratio Lower Upper

94 100

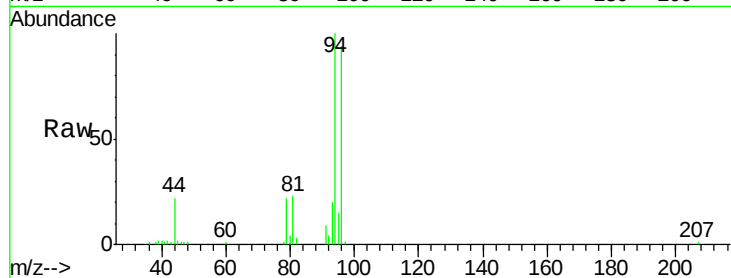
96 94.3 73.3 109.9

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN063902.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VN063902.D (-152) (-)

20000

15000

10000

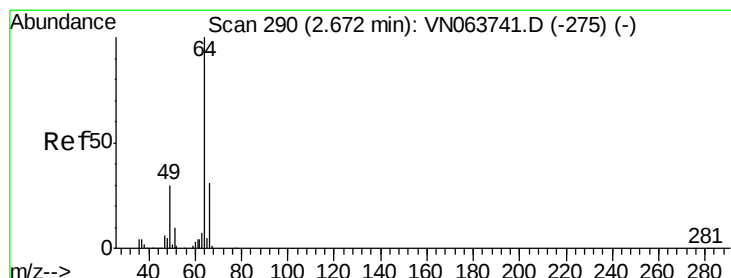
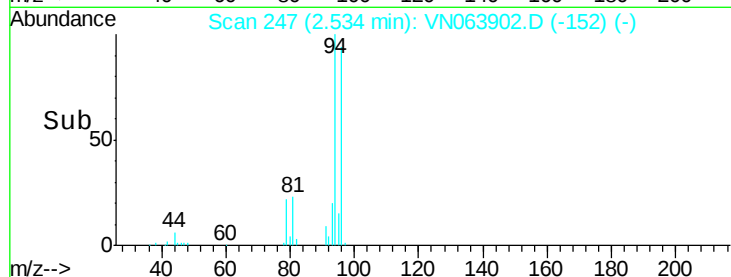
5000

0

Time-->

2.45 2.50 2.55 2.60

2.53



#6

Chloroethane

Concen: 18.770 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN063902.D

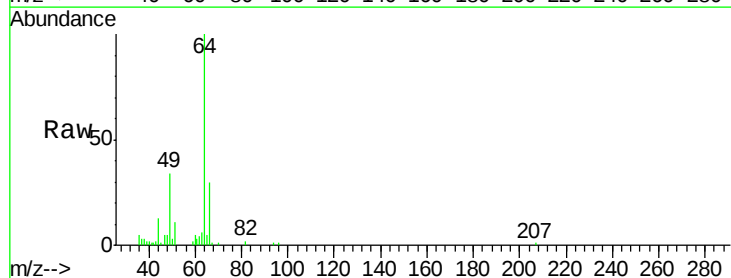
Acq: 6 Oct 2020 18:44

Tgt Ion: 64 Resp: 36912

Ion Ratio Lower Upper

64 100

66 29.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN063902.D (-197) (-)

Ion 65.90 (65.60 to 66.60): VN063902.D (-197) (-)

20000

15000

10000

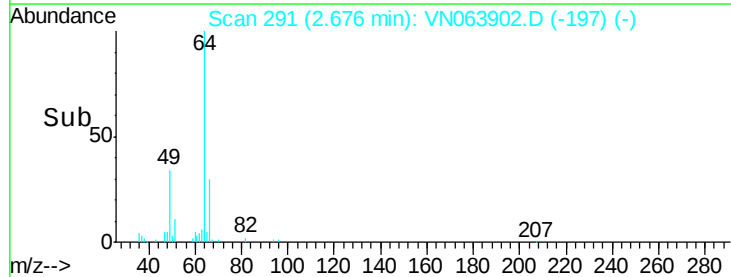
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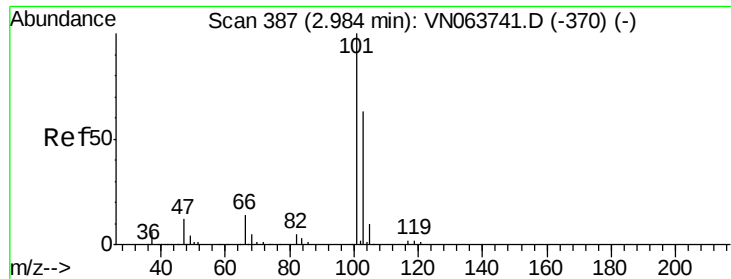
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Time-->

2.60 2.65 2.70 2.75 2.80

2.68





#7

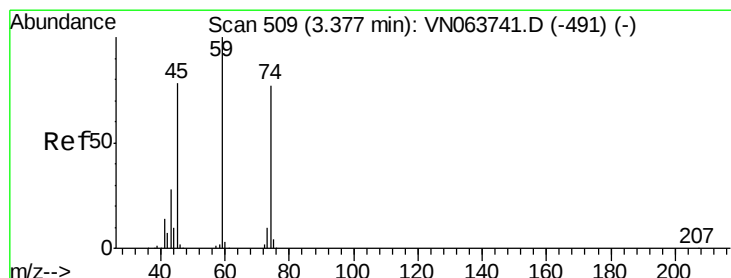
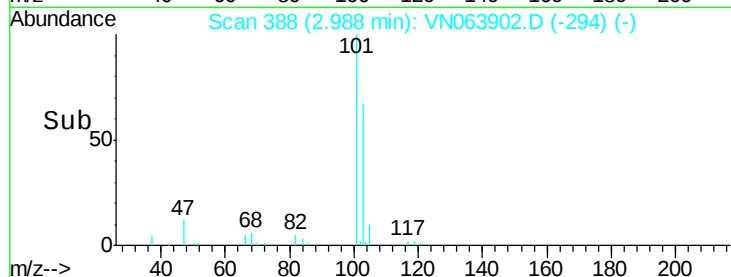
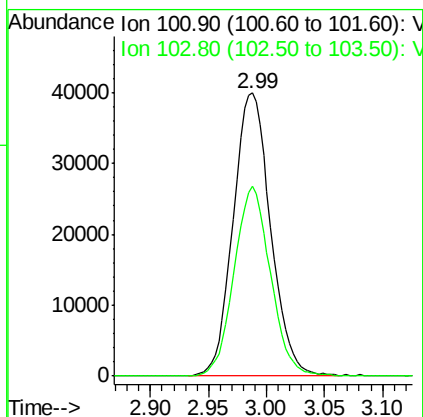
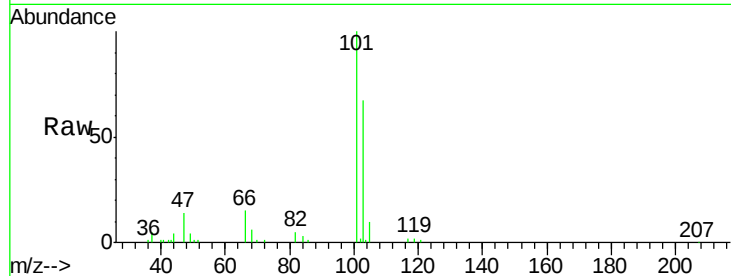
Trichlorofluoromethane
Concen: 17.103 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Instrument :
MSVOA_N
ClientSampled :
VN1006WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	50.7	76.1

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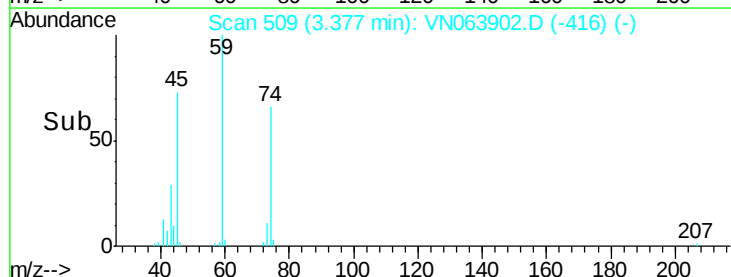
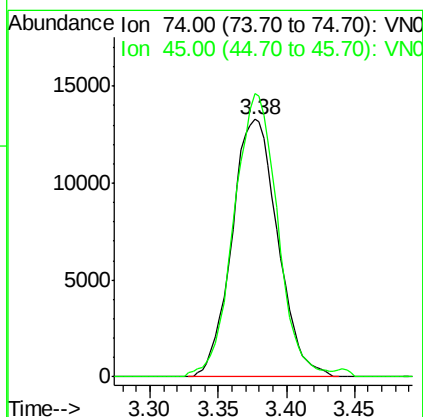
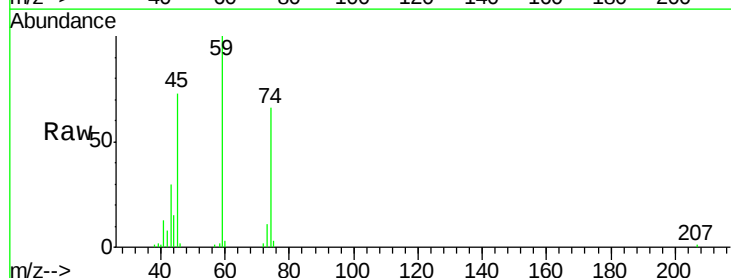
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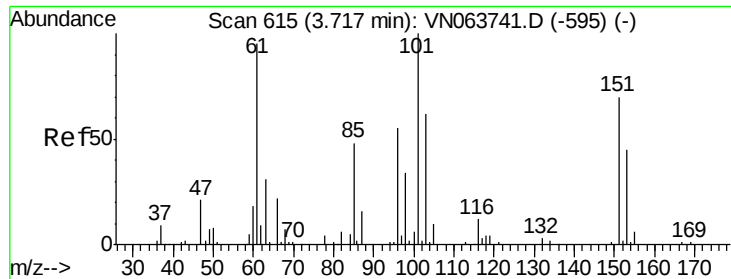


#8

Diethyl Ether
Concen: 17.596 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.8	50.9	152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.241 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN063902.D

Acq: 6 Oct 2020 18:44

Instrument :

MSVOA_N

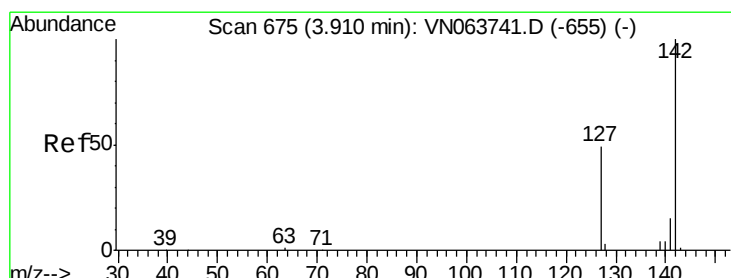
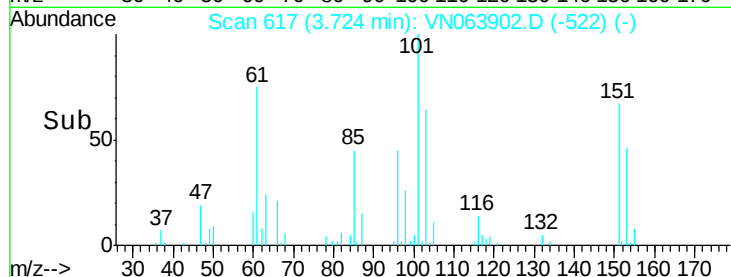
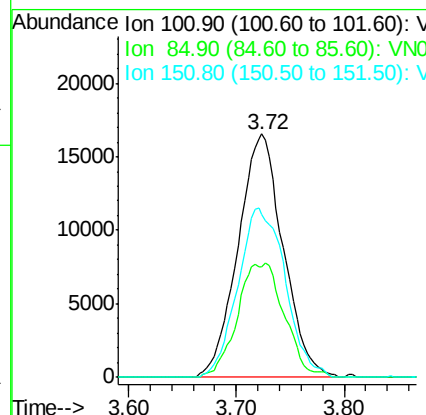
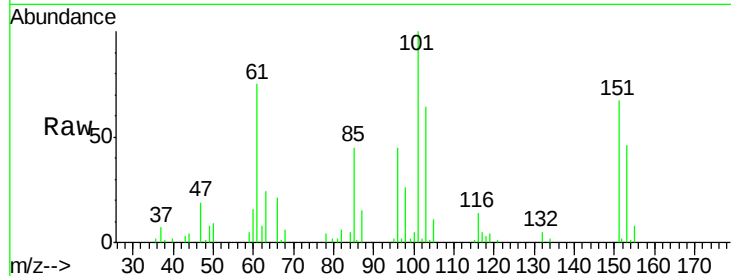
ClientSampleId :

VN1006WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
85	26.8	38.6	58.0#
151	73.2	58.7	88.1

Manual Integrations
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#10

Methyl Iodide

Concen: 17.572 ug/l

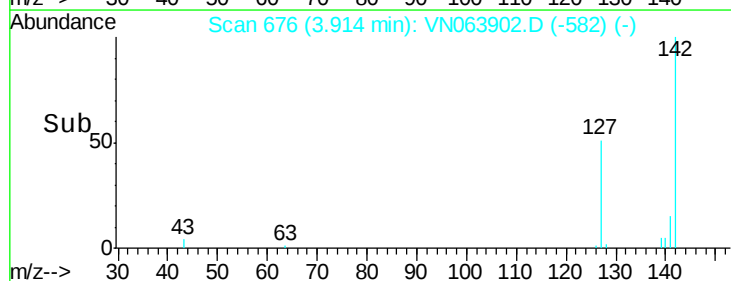
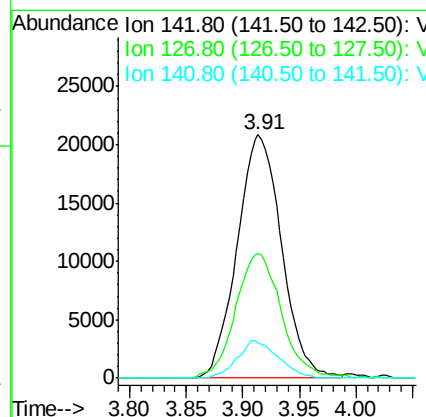
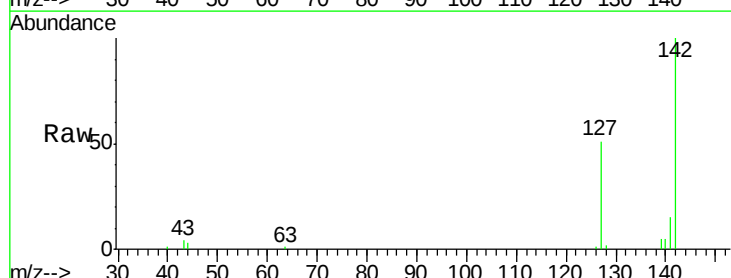
RT: 3.91 min Scan# 676

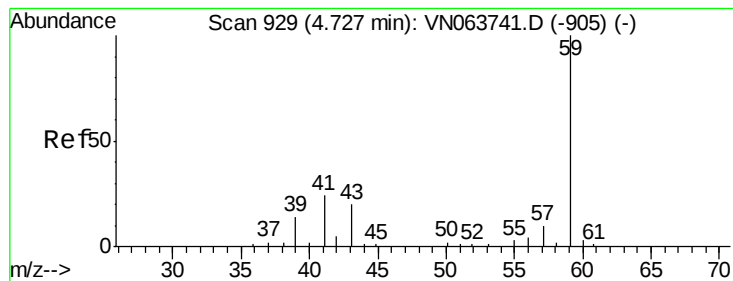
Delta R.T. 0.00 min

Lab File: VN063902.D

Acq: 6 Oct 2020 18:44

Tgt Ion	Ratio	Lower	Upper
142	100		
127	52.9	40.5	60.7
141	14.2	11.7	17.5





#11

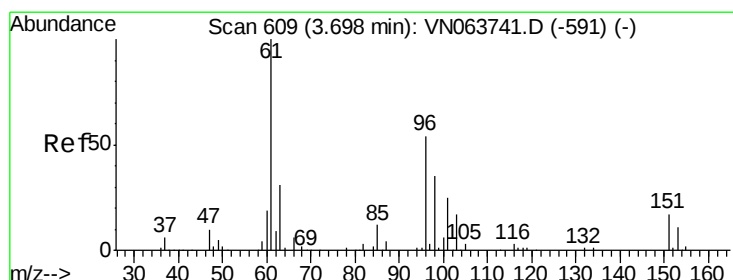
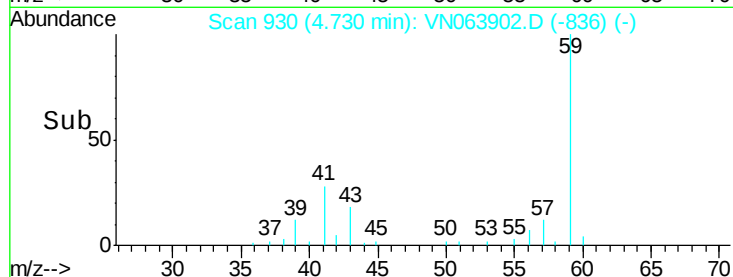
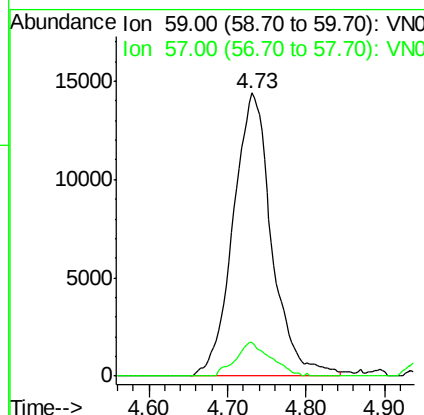
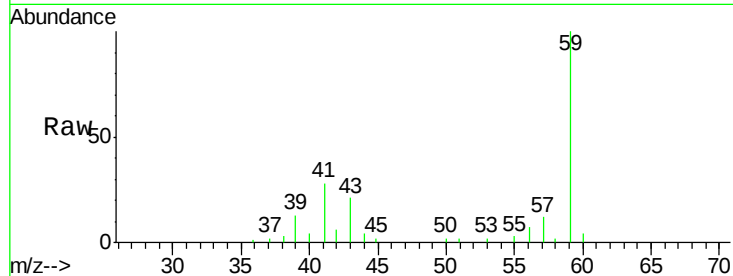
Tert butyl alcohol
 Concen: 102.266 ug/l
 RT: 4.73 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VN063902.D
 Acq: 6 Oct 2020 18:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBS02

Tot Ion: 59 Resp: 49393
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.7 13.1

Manual Integrations
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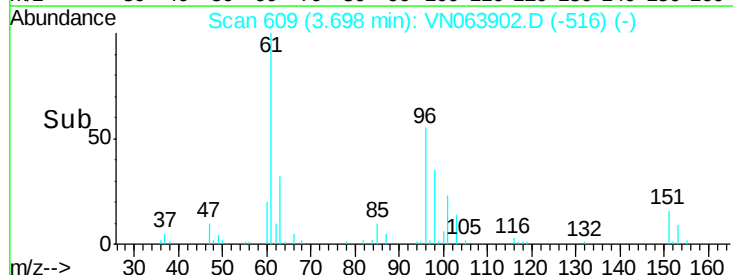
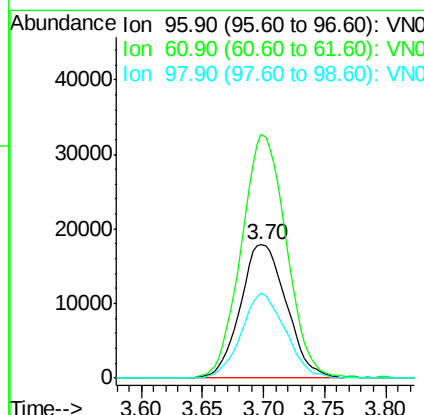
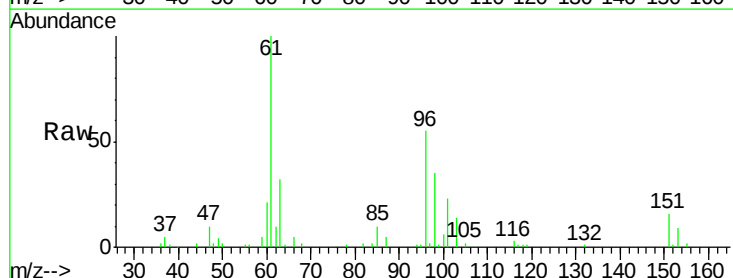
MMDadoda
 10/7/2020 12:11:48 PM

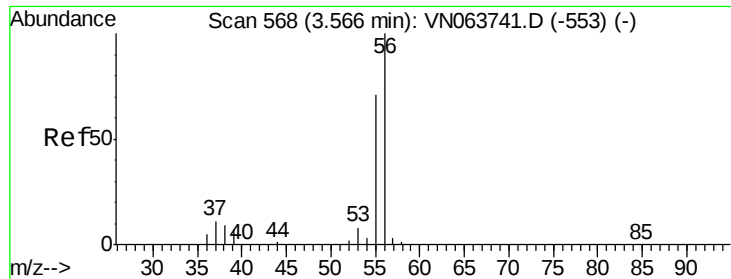


#12

1,1-Dichloroethene
 Concen: 17.557 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN063902.D
 Acq: 6 Oct 2020 18:44

Tgt Ion: 96 Resp: 46817
 Ion Ratio Lower Upper
 96 100
 61 182.6 147.7 221.5
 98 63.3 51.9 77.9





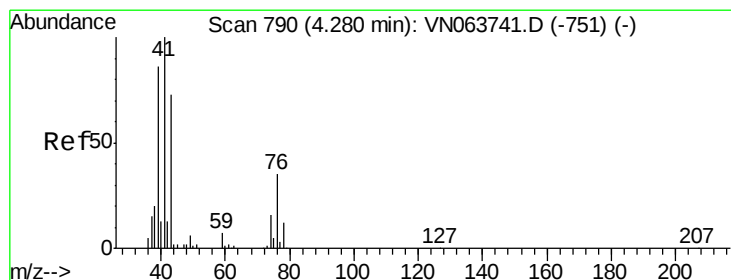
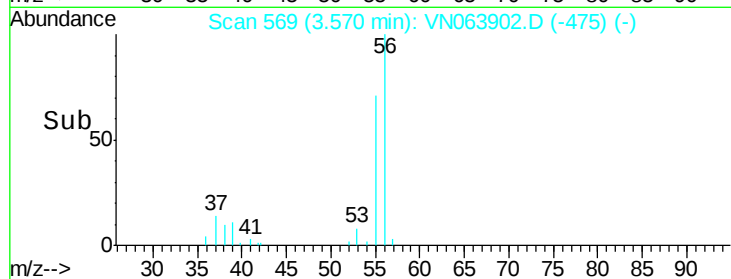
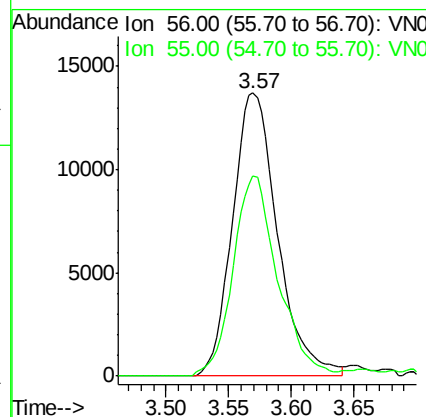
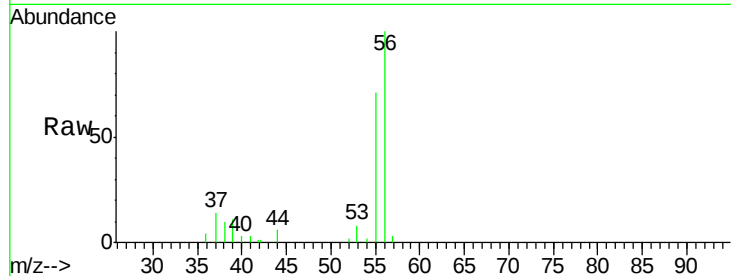
#13
Acrolein
Concen: 115.569 ug/l
RT: 3.57 min Scan# 569
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS02

Tot Ion	56	55	Ratio	Lower	Upper
34258	100	70.1		56.9	85.3

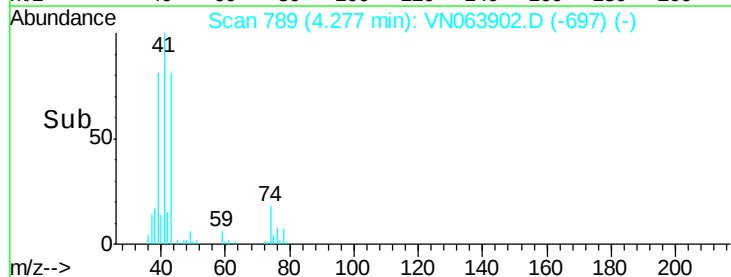
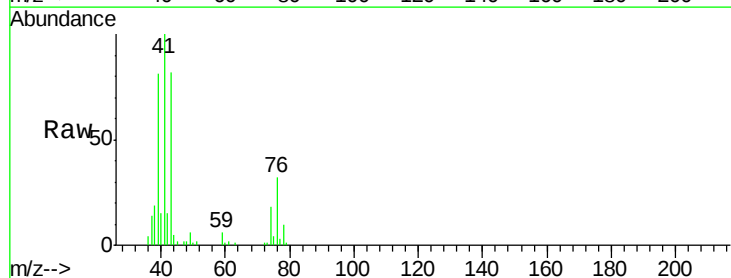
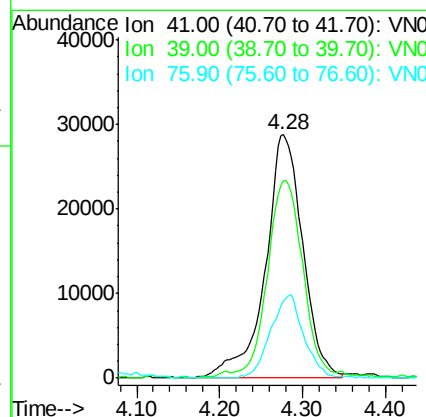
Manual Integrations
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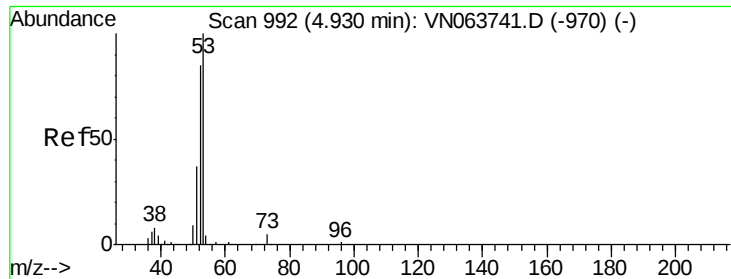
MMDadoda
10/7/2020 12:11:48 PM



#14
Allyl chloride
Concen: 18.356 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Tgt Ion	41	39	76	Ratio	Lower	Upper
90931	100	71.0	30.4		64.5	96.7





#15

Acrylonitrile

Concen: 92.934 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN063902.D

Acq: 6 Oct 2020 18:44

Instrument :

MSVOA_N

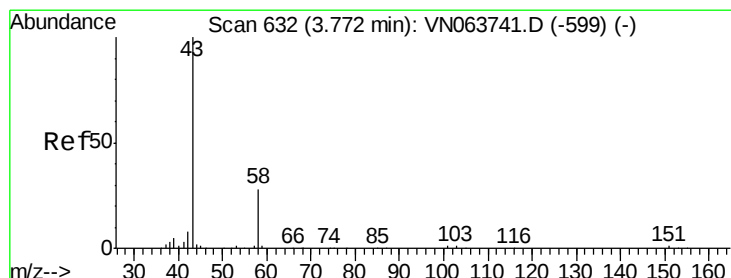
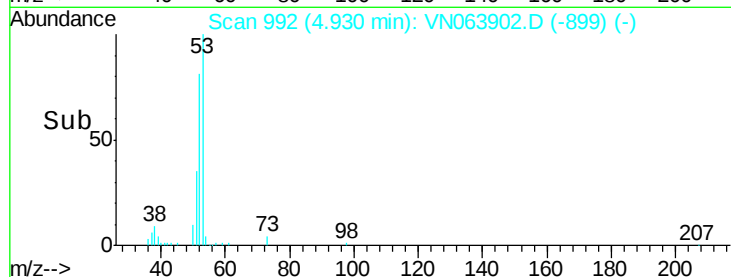
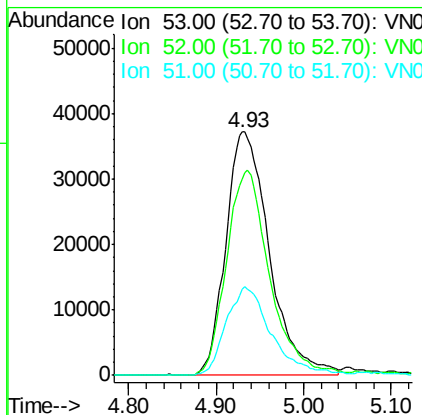
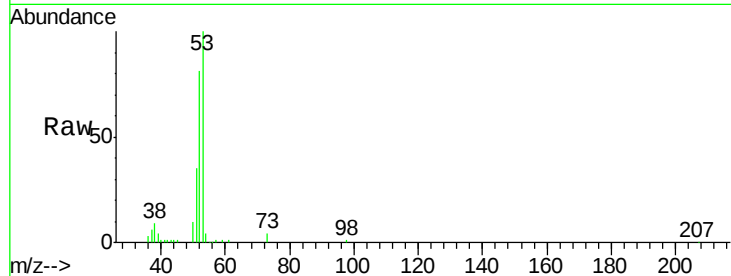
ClientSampleId :

VN1006WBS02

Tot Ion:	53	Resp:	128482
Ion Ratio		Lower	Upper
53	100		
52	83.3	66.5	99.7
51	37.9	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 90.398 ug/l

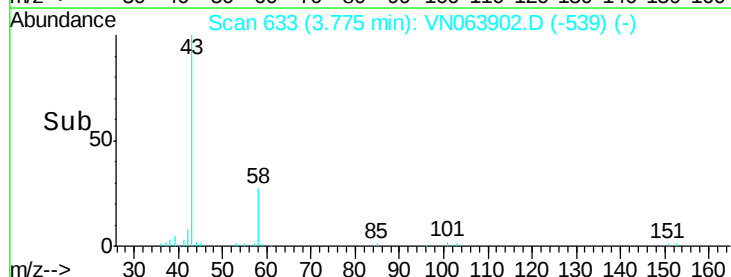
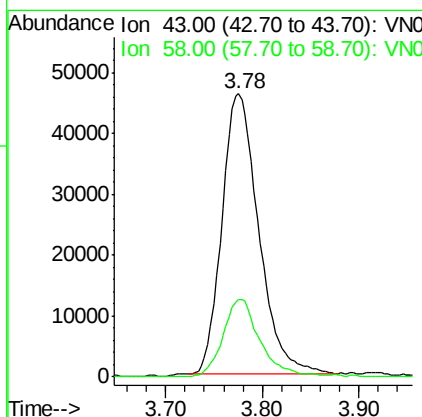
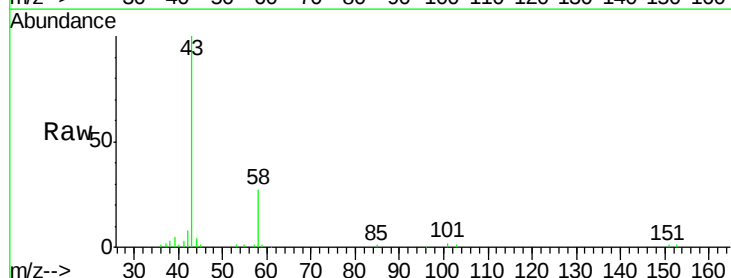
RT: 3.78 min Scan# 633

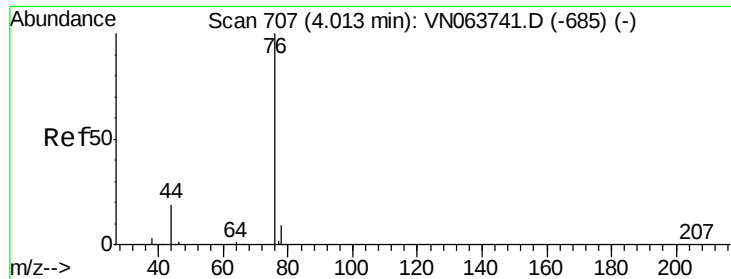
Delta R.T. 0.00 min

Lab File: VN063902.D

Acq: 6 Oct 2020 18:44

Tgt Ion:	43	Resp:	121737
Ion Ratio		Lower	Upper
43	100		
58	27.4	22.3	33.5





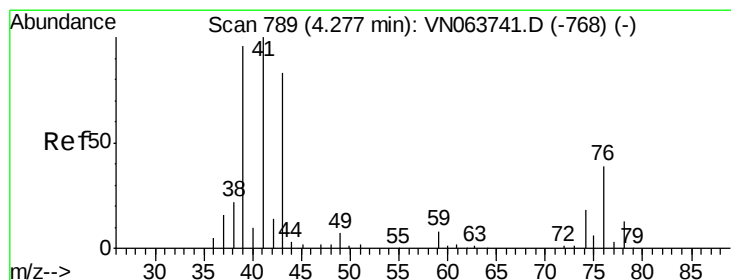
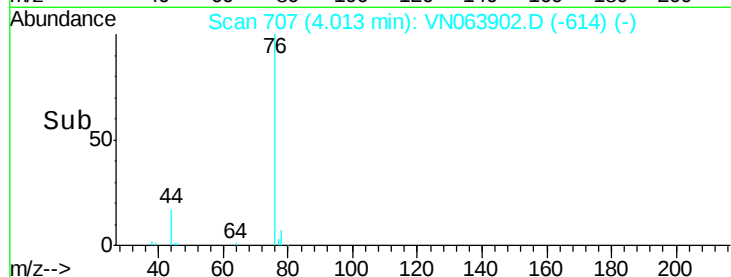
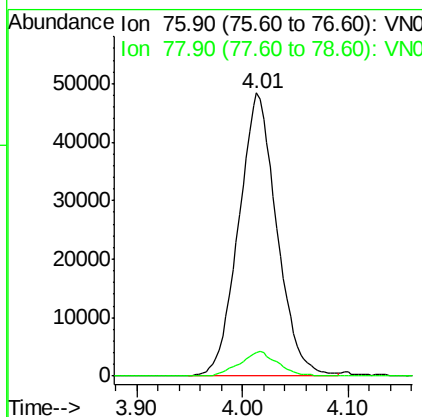
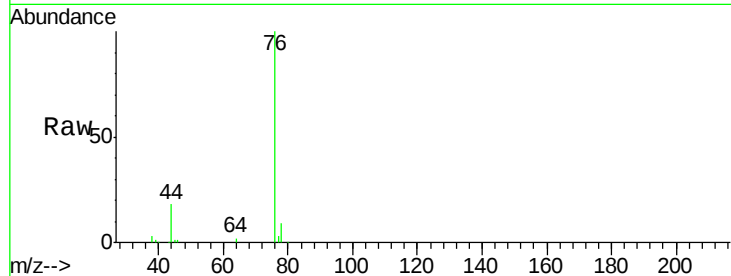
#17
Carbon Disulfide
Concen: 17.358 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.0	10.4

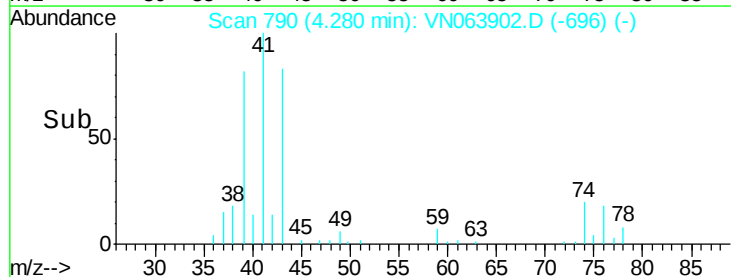
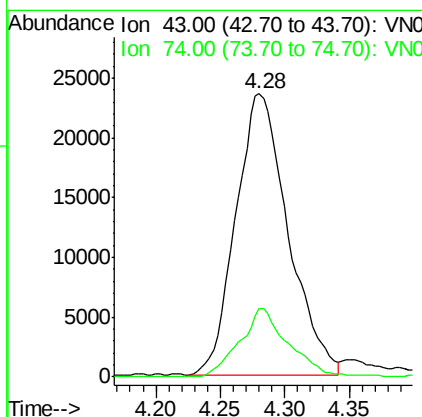
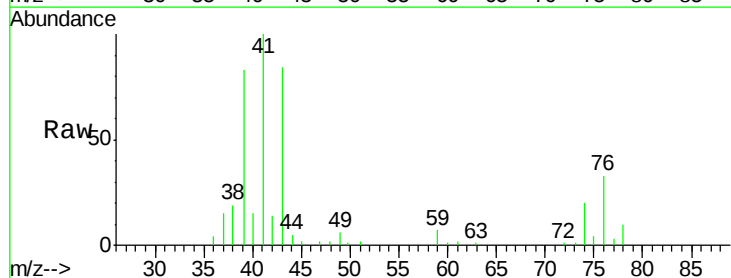
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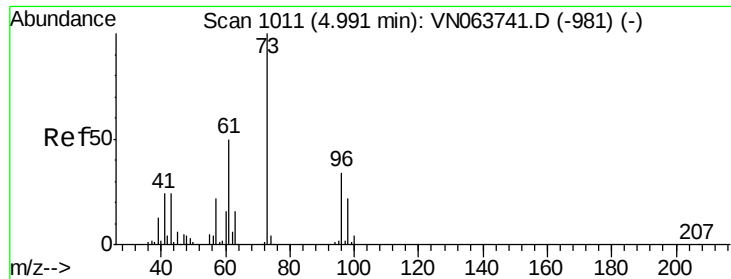
MMDadoda
10/7/2020 12:11:48 PM



#18
Methyl Acetate
Concen: 19.021 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2





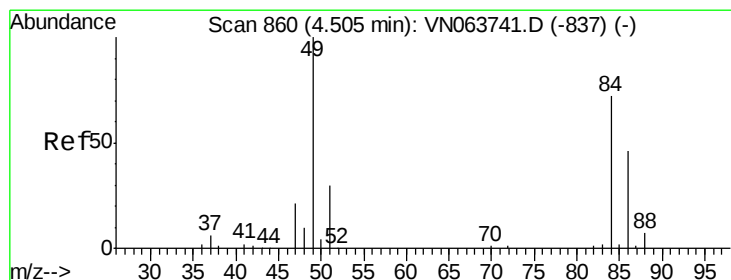
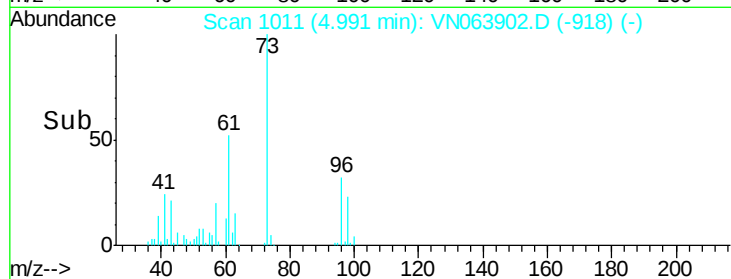
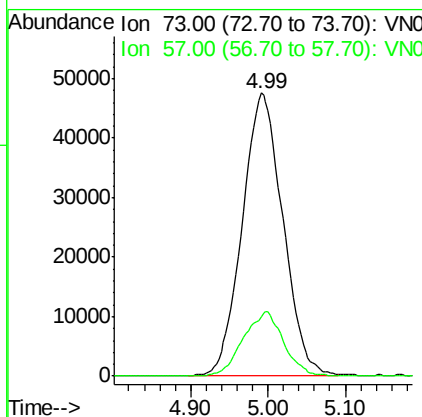
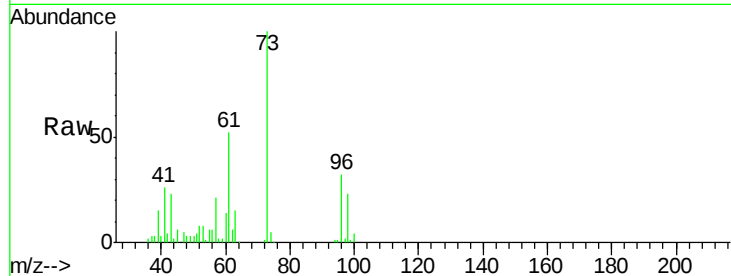
#19
Methvl tert-butvl Ether
Concen: 17.985 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS02

Tot Ion: 73 Resp: 174232
Ion Ratio Lower Upper
73 100
57 20.9 17.6 26.4

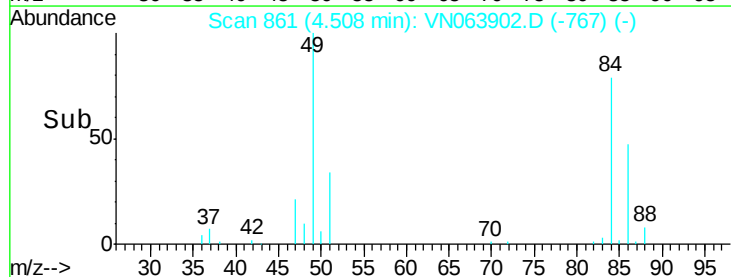
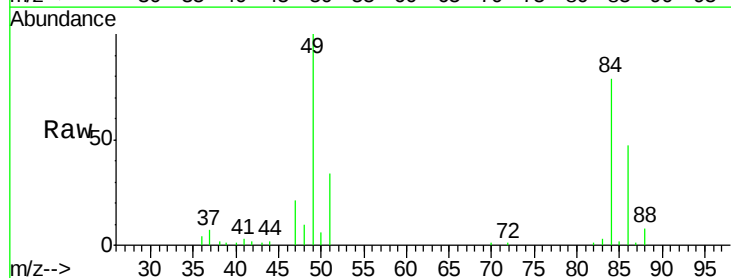
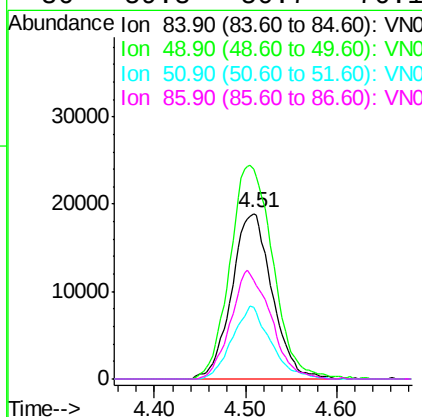
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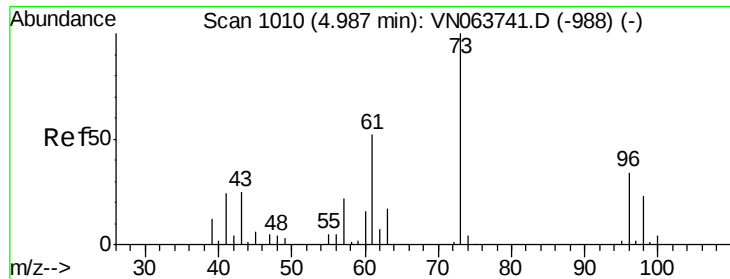
MMDadoda
10/7/2020 12:11:48 PM



#20
Methylene Chloride
Concen: 18.996 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Tgt Ion: 84 Resp: 58405
Ion Ratio Lower Upper
84 100
49 127.0 110.4 165.6
51 43.0 33.3 49.9
86 59.8 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 17.168 ug/l

RT: 5.00 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VN063902.D

Acq: 6 Oct 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBS02

Tot Ion: 96 Resp: 51277

Ion Ratio Lower Upper

96 100

61 148.3 120.2 180.2

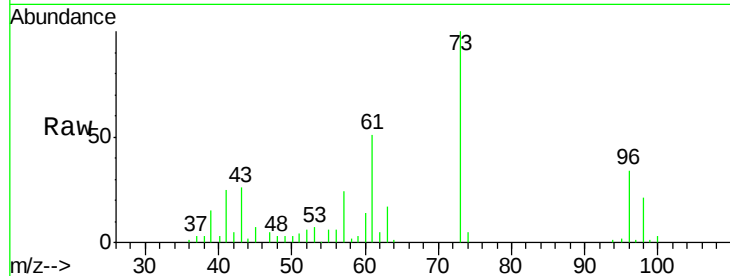
98 61.0 52.6 79.0

Manual Integrations

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MMDadoda

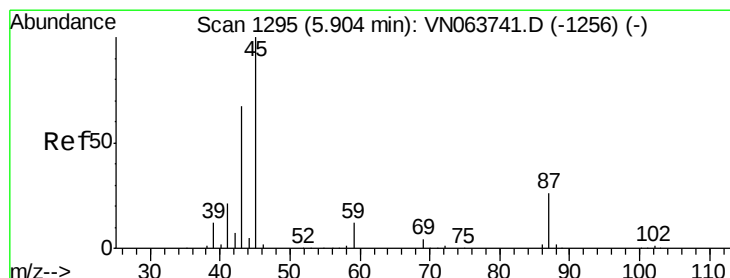
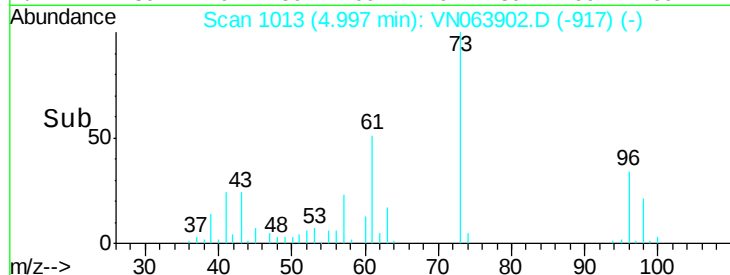
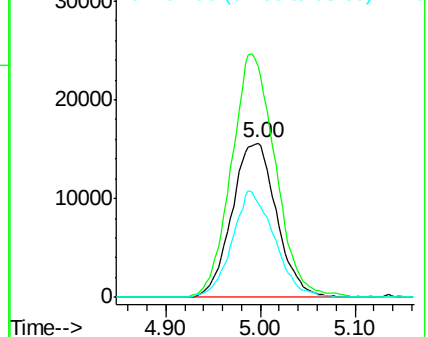
10/7/2020 12:11:48 PM



Abundance Ion 95.90 (95.60 to 96.60): VN063902.D (-917) (-)

Ion 60.90 (60.60 to 61.60): VN063902.D (-917) (-)

Ion 97.90 (97.60 to 98.60): VN063902.D (-917) (-)



#22

Diisopropyl ether

Concen: 19.203 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN063902.D

Acq: 6 Oct 2020 18:44

Tgt Ion: 45 Resp: 195723

Ion Ratio Lower Upper

45 100

43 72.0 53.7 80.5

87 25.9 21.1 31.7

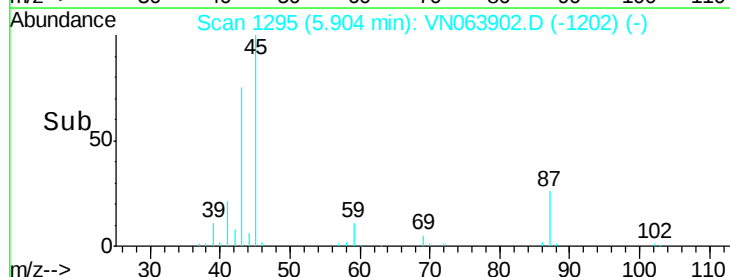
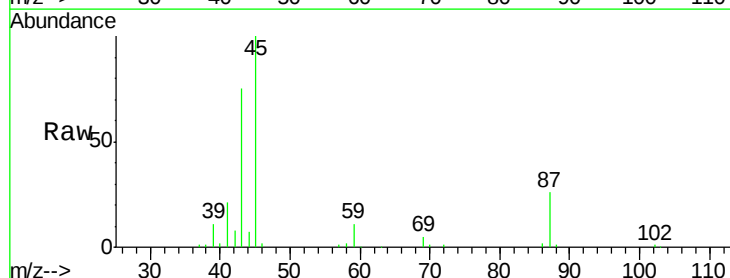
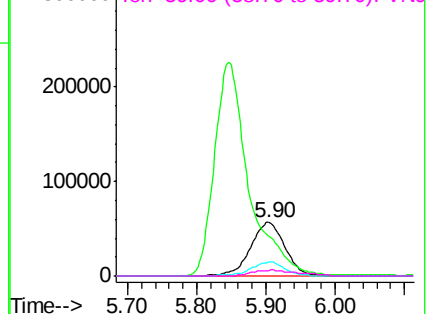
59 10.8 9.2 13.8

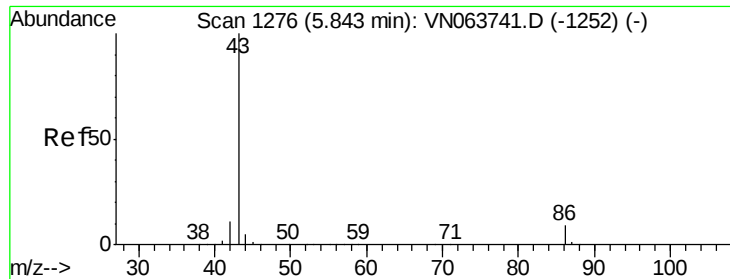
Abundance Ion 45.00 (44.70 to 45.70): VN063902.D (-1202) (-)

Ion 43.00 (42.70 to 43.70): VN063902.D (-1202) (-)

Ion 87.00 (86.70 to 87.70): VN063902.D (-1202) (-)

Ion 59.00 (58.70 to 59.70): VN063902.D (-1202) (-)





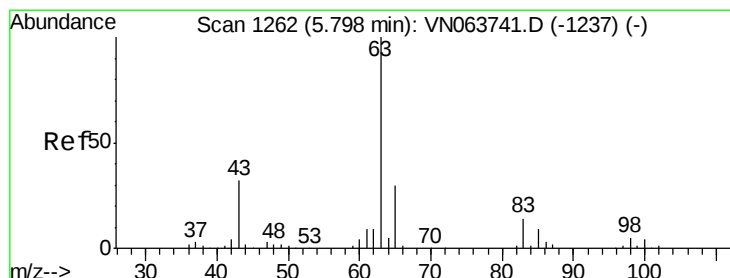
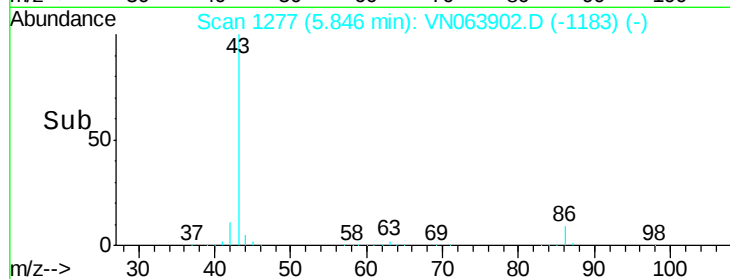
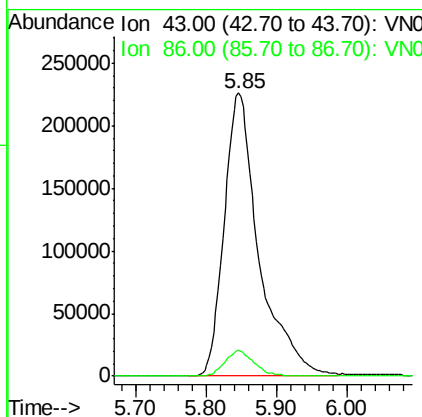
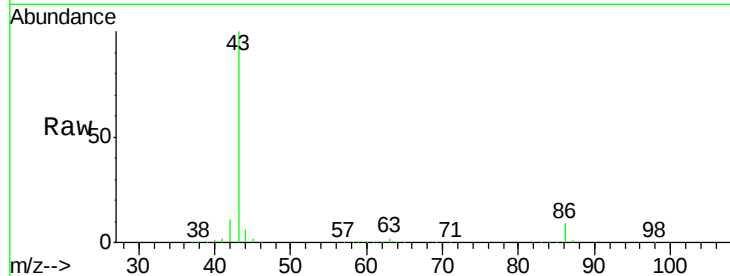
#23
 Vinyl Acetate
 Concen: 92.479 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN063902.D
 Acq: 6 Oct 2020 18:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBS02

Tot Ion	43	Resp	780786
Ion Ratio	100	Lower	Upper
43	100		
86	9.1	7.3	10.9

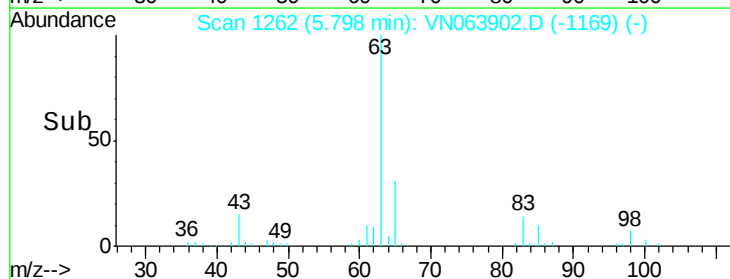
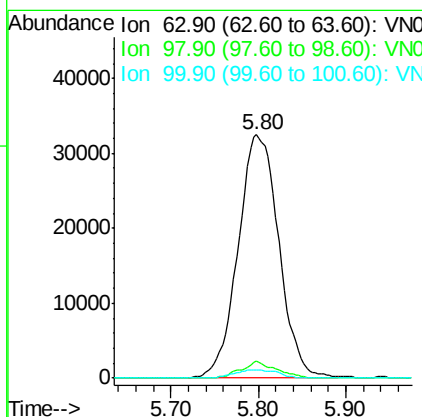
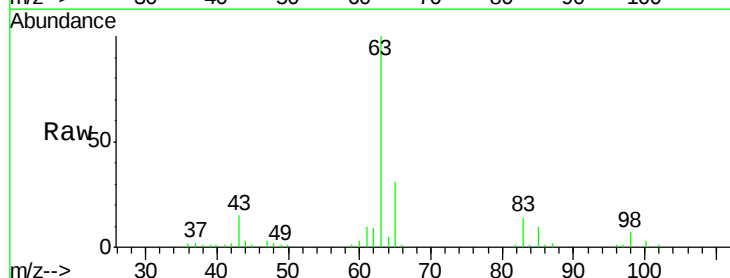
Manual Integrations
 APPROVED

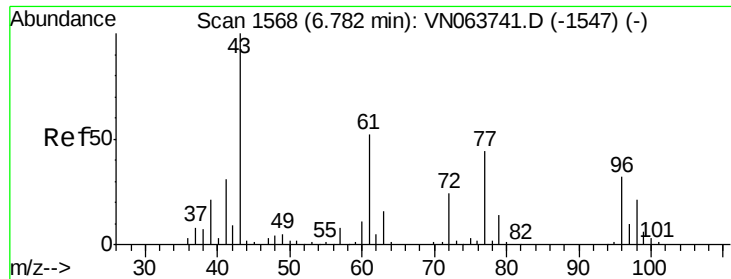
MMDadoda
 10/7/2020 12:11:48 PM



#24
 1,1-Dichloroethane
 Concen: 18.016 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN063902.D
 Acq: 6 Oct 2020 18:44

Tgt Ion	63	Resp	104989
Ion Ratio	100	Lower	Upper
63	100		
98	6.8	2.7	8.1
100	3.4	1.9	5.7





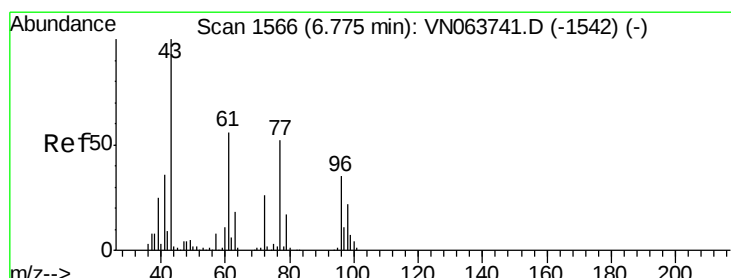
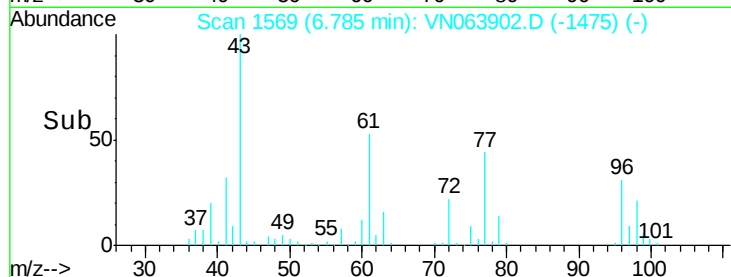
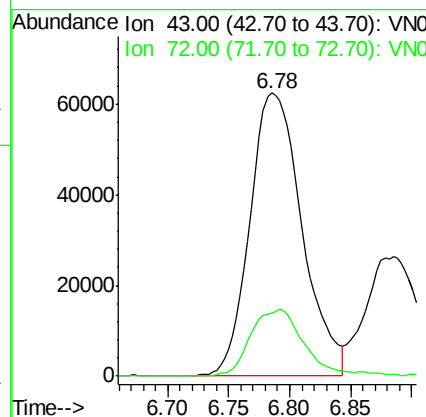
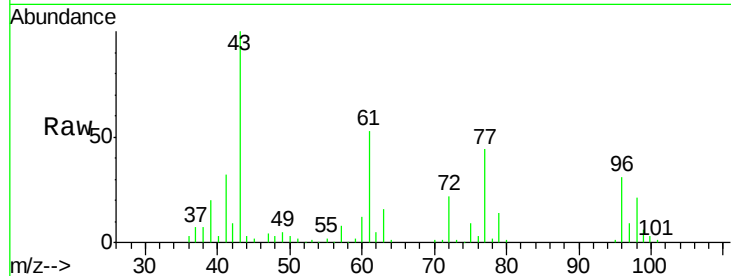
#25
2-Butanone
Concen: 96.215 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Instrument :
MSVOA_N
ClientSampled :
VN1006WBS02

Tot Ion: 43 Resp: 183699
Ion Ratio Lower Upper
43 100
72 22.3 19.3 28.9

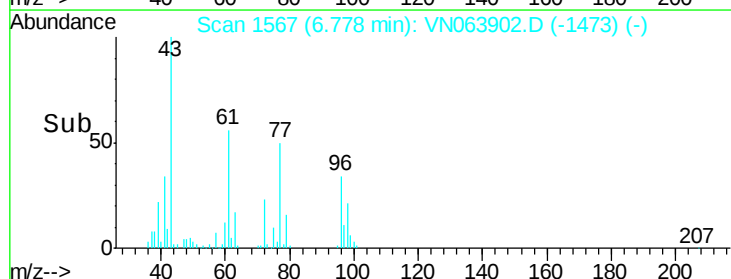
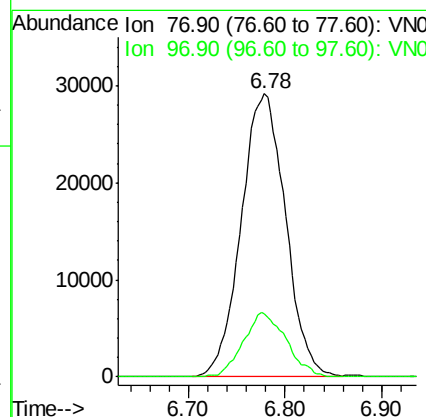
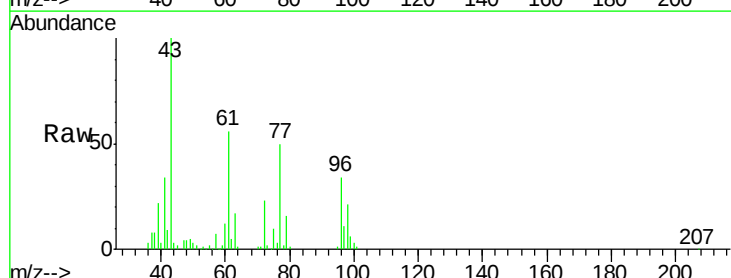
Manual Integrations
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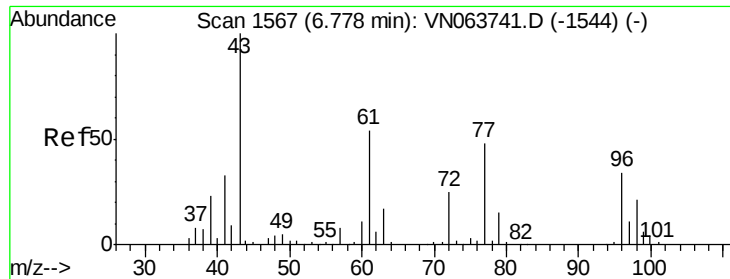
MMDadoda
10/7/2020 12:11:48 PM



#26
2,2-Dichloropropane
Concen: 17.377 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Tgt Ion: 77 Resp: 92736
Ion Ratio Lower Upper
77 100
97 21.9 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 17.360 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063902.D

Acq: 6 Oct 2020 18:44

Instrument :

MSVOA_N

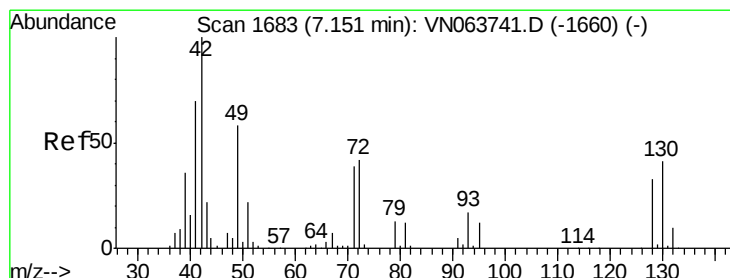
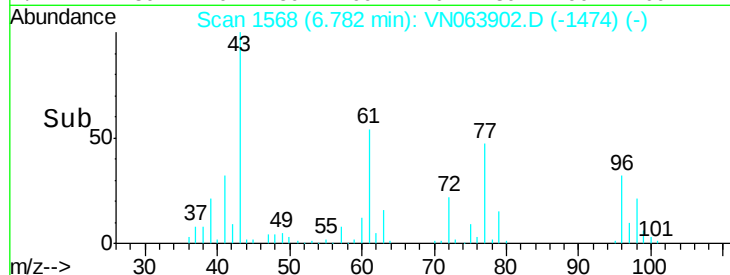
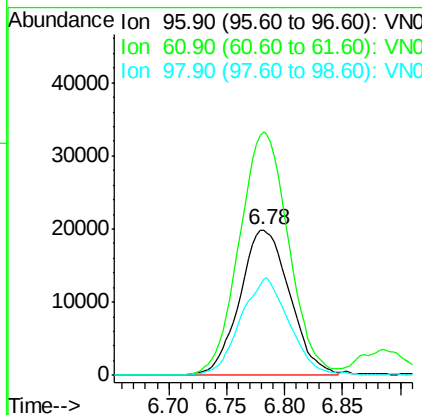
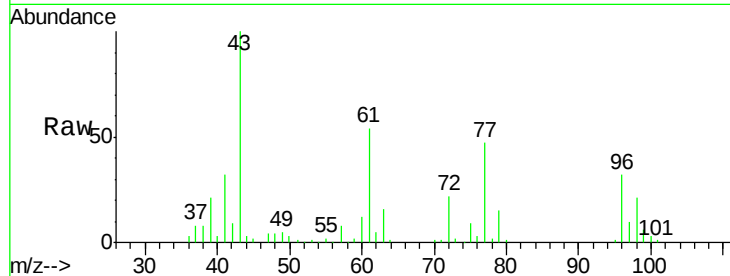
ClientSampleId :

VN1006WBS02

Tot Ion:	96	Resp:	59633
Ion	Ratio	Lower	Upper
96	100		
61	165.0	0.0	321.2
98	65.2	0.0	124.4

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#28

Bromochloromethane

Concen: 17.764 ug/l

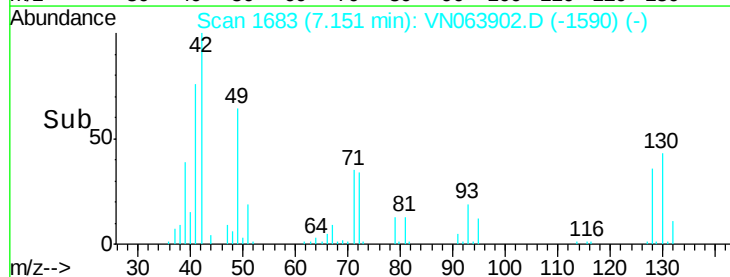
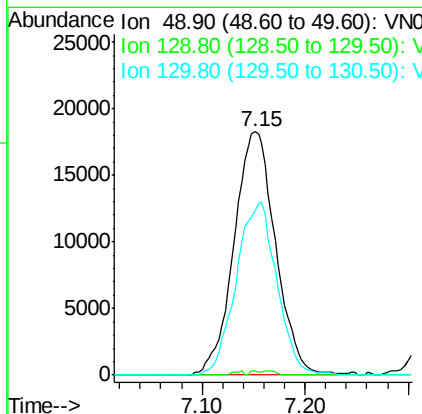
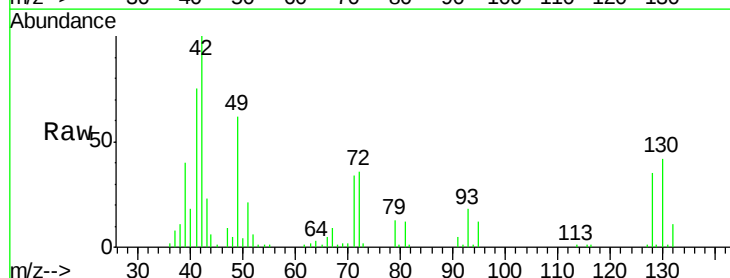
RT: 7.15 min Scan# 1683

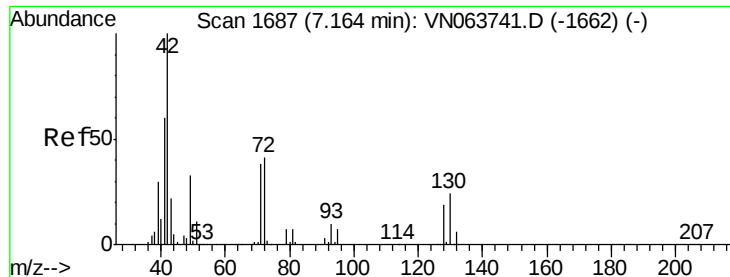
Delta R.T. 0.00 min

Lab File: VN063902.D

Acq: 6 Oct 2020 18:44

Tgt Ion:	49	Resp:	51166
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	4.8
130	0.0	55.6	83.4#





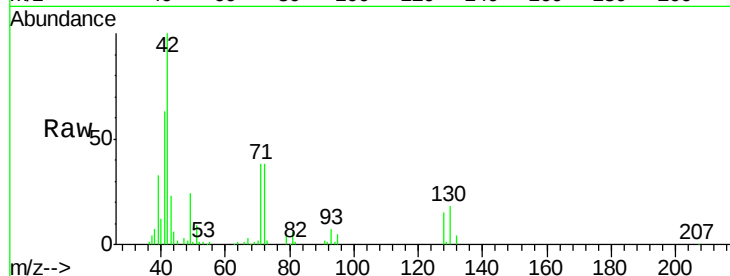
#29
Tetrahydrofuran
Concen: 97.171 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS02

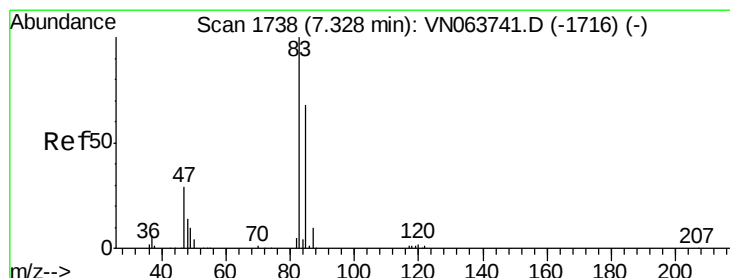
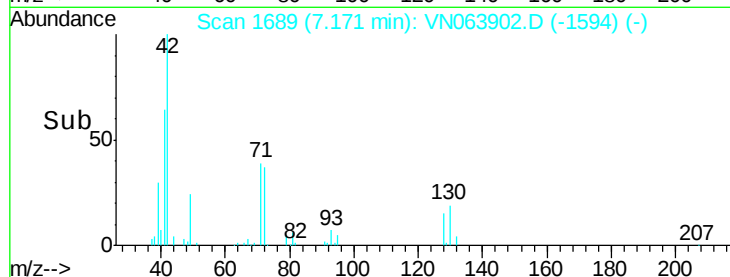
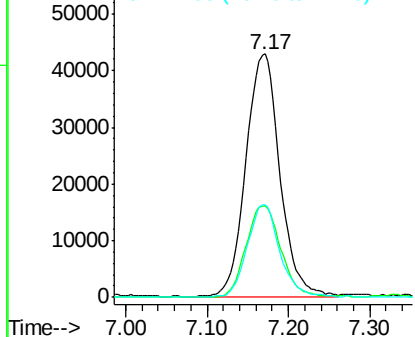
Tot Ion	Ratio	Lower	Upper
42	100		
72	38.4	32.8	49.2
71	35.7	30.6	45.8

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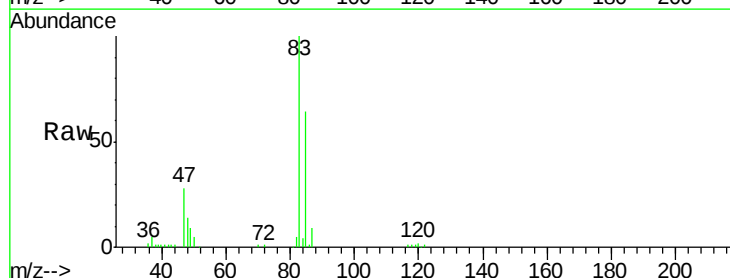


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

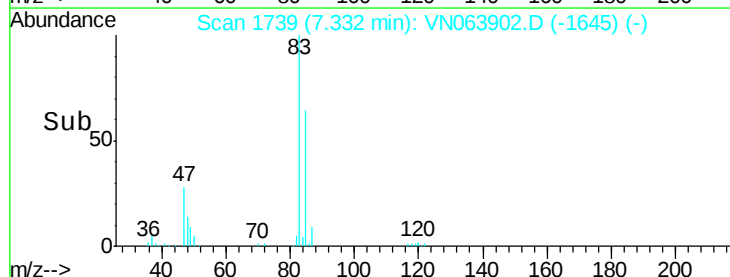
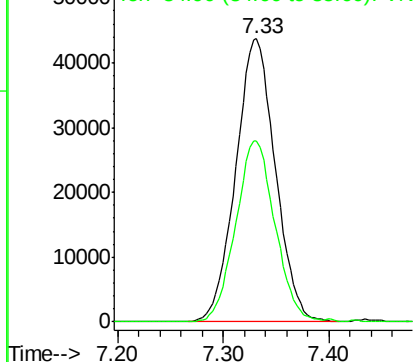


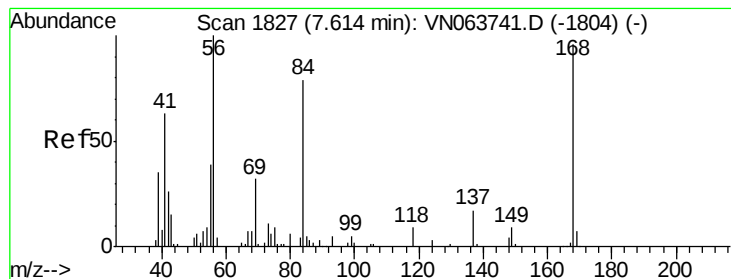
#30
Chloroform
Concen: 18.786 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	54.6	82.0



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





#31

Cyclohexane

Concen: 16.553 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN063902.D

Acq: 6 Oct 2020 18:44

Instrument :

MSVOA_N

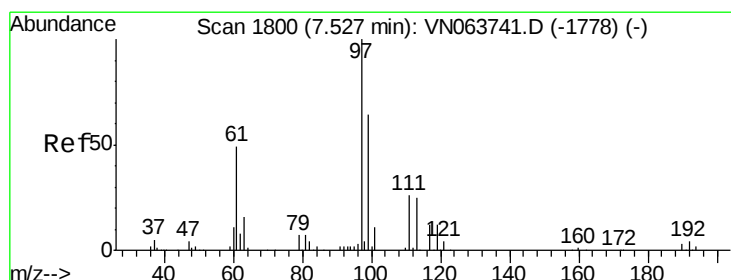
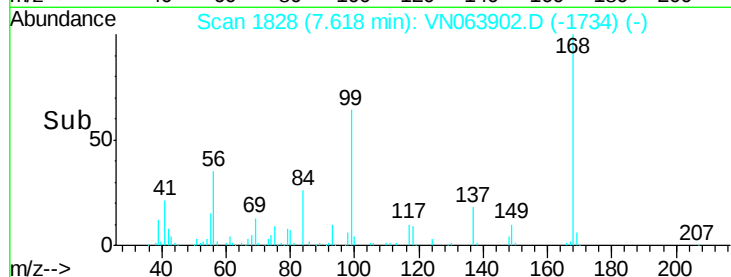
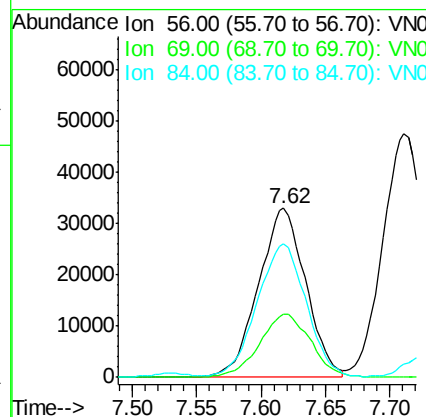
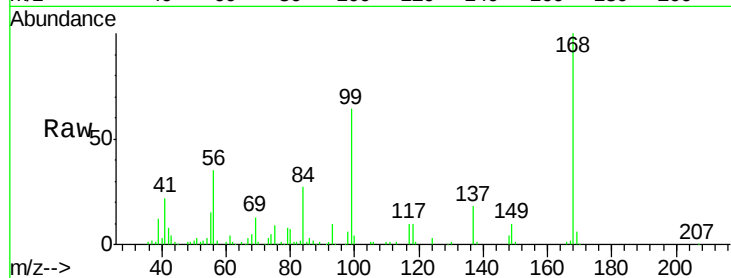
ClientSampled :

VN1006WBS02

Tot Ion:	56	Resp:	84068
Ion Ratio	Lower	Upper	
56	100		
69	37.8	25.4	38.2
84	77.7	63.3	94.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.323 ug/l

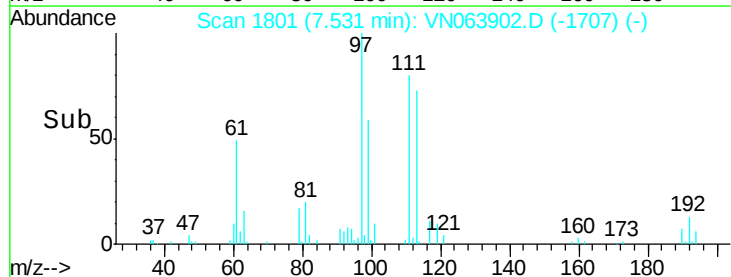
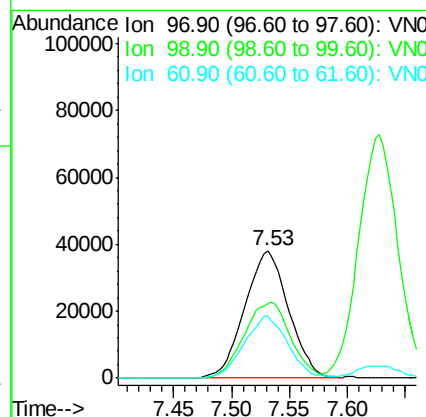
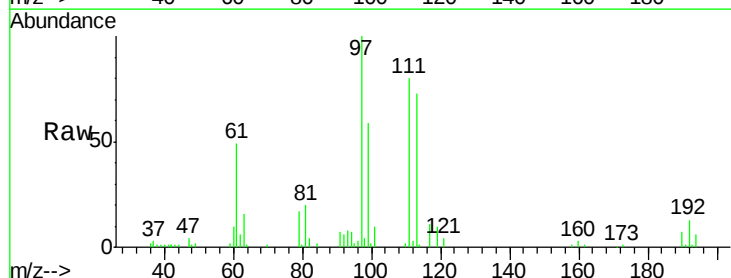
RT: 7.53 min Scan# 1801

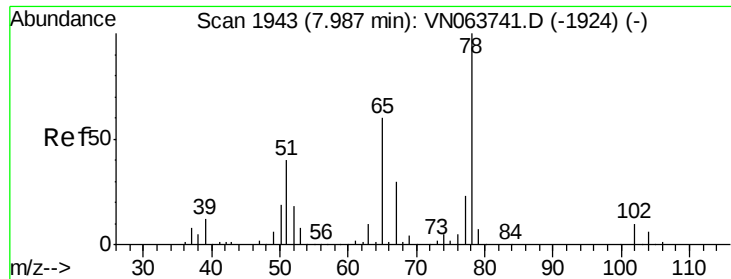
Delta R.T. 0.00 min

Lab File: VN063902.D

Acq: 6 Oct 2020 18:44

Tgt Ion:	97	Resp:	100425
Ion Ratio	Lower	Upper	
97	100		
99	63.0	51.0	76.6
61	48.3	38.7	58.1





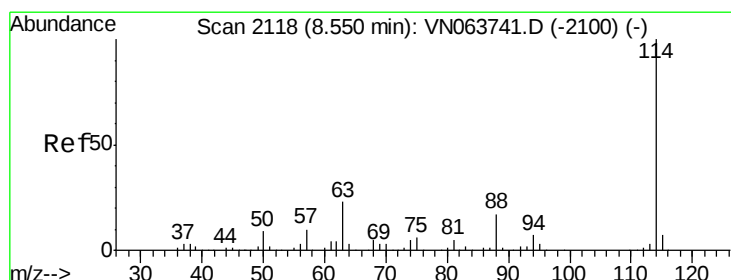
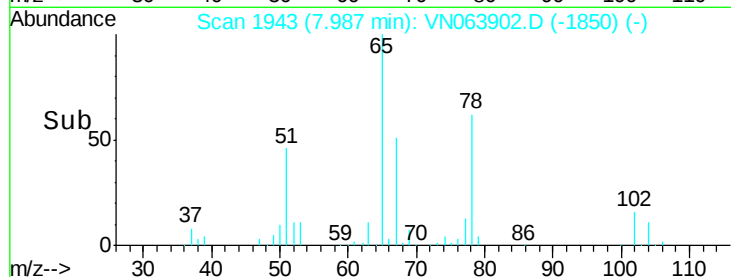
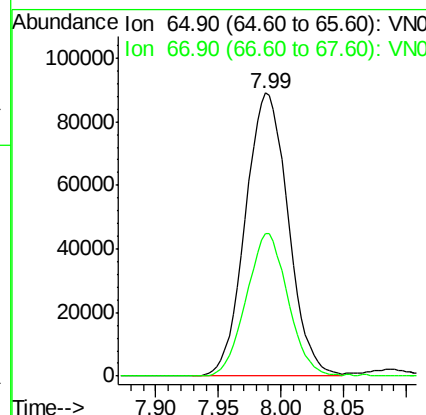
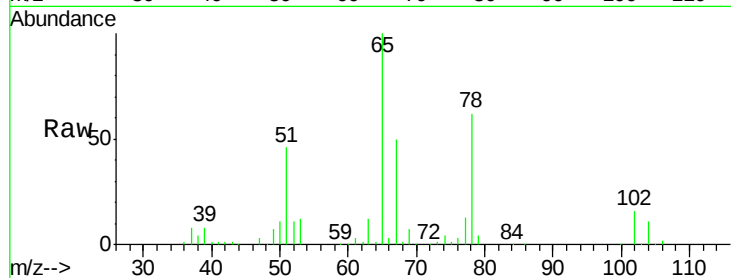
#33
 1,2-Dichloroethane-d4
 Concen: 48.434 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063902.D
 Acq: 6 Oct 2020 18:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	211885		
67	49.1	0.0	99.6	

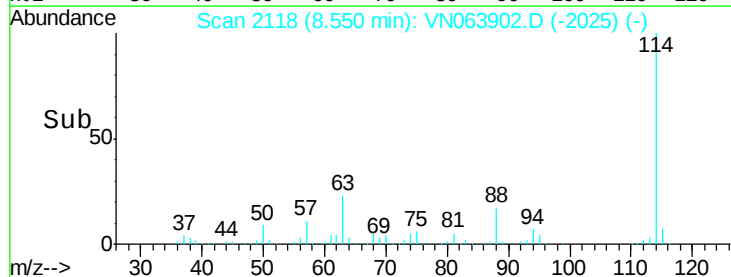
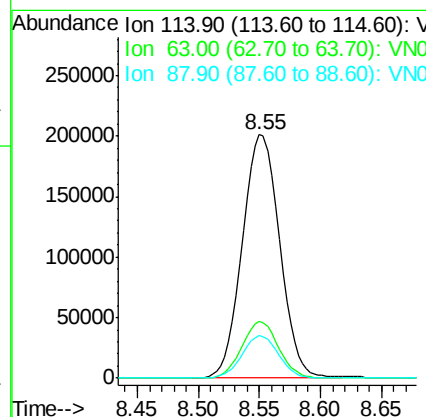
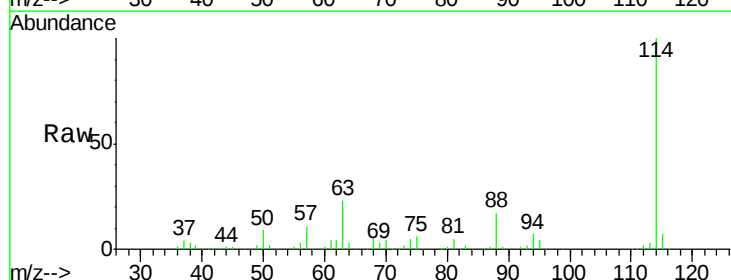
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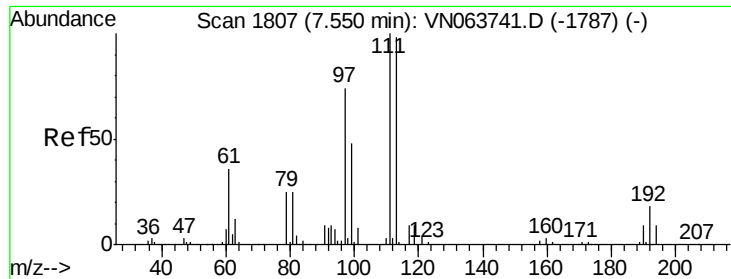
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063902.D
 Acq: 6 Oct 2020 18:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	426474		
63	23.3	0.0	45.0	
88	17.3	0.0	34.0	





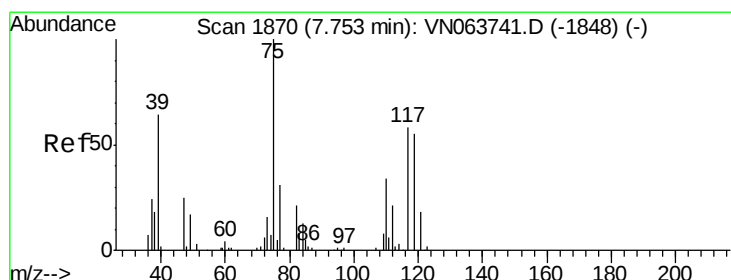
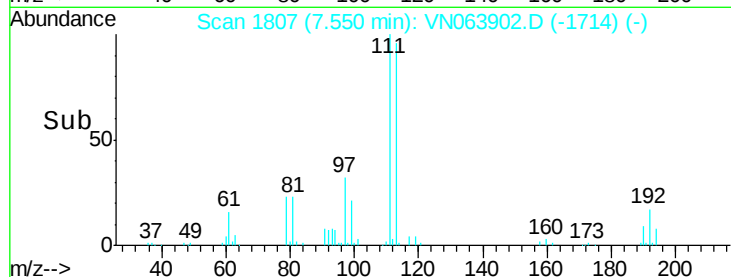
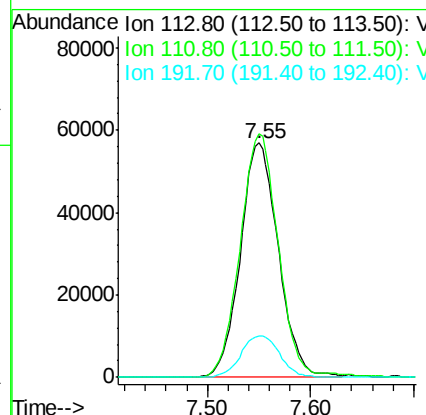
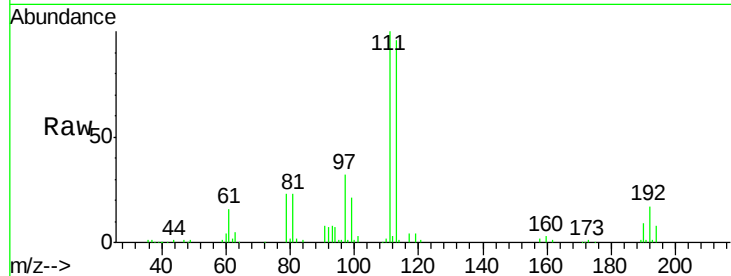
#35
Dibromofluoromethane
Concen: 49.349 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	146035		
111	103.1	81.8	122.8	
192	18.1	14.2	21.2	

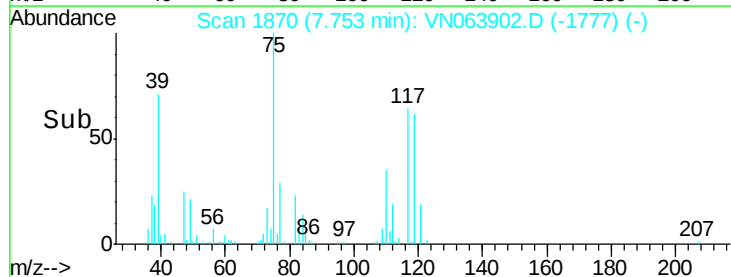
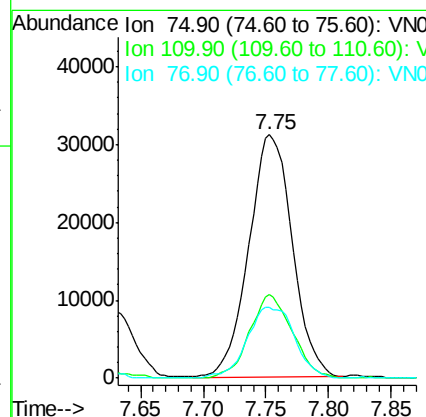
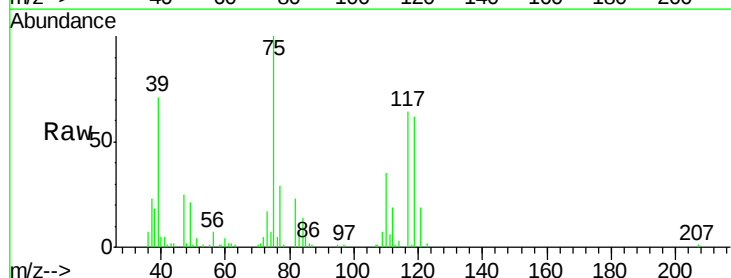
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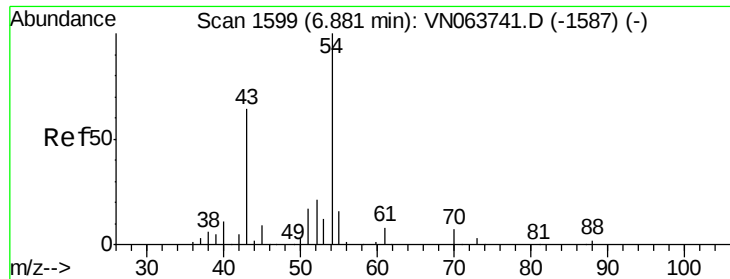
MMDadoda
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#36
1,1-Dichloropropene
Concen: 17.364 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	75024		
110	33.8	16.9	50.6	
77	32.0	24.5	36.7	





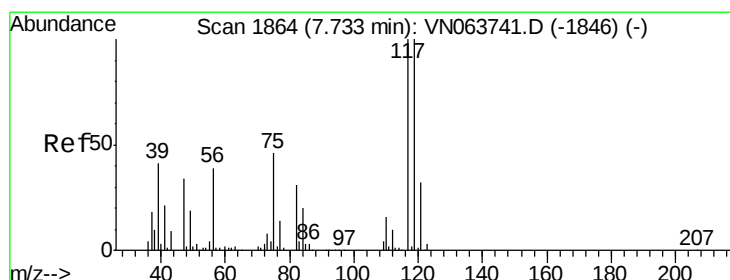
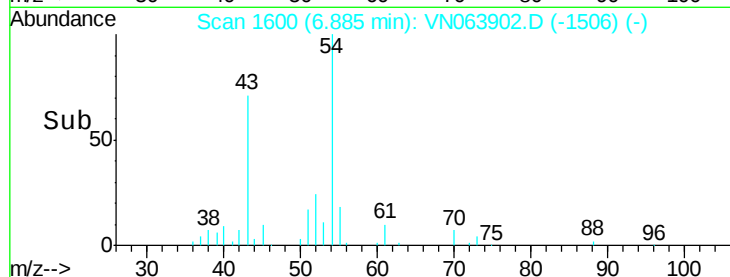
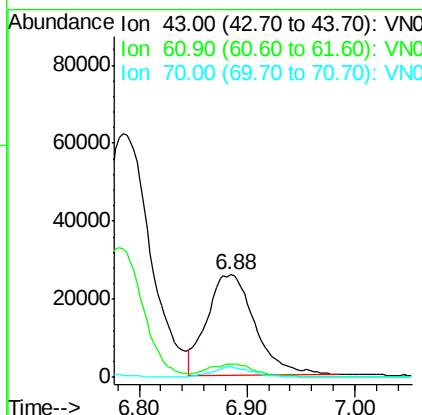
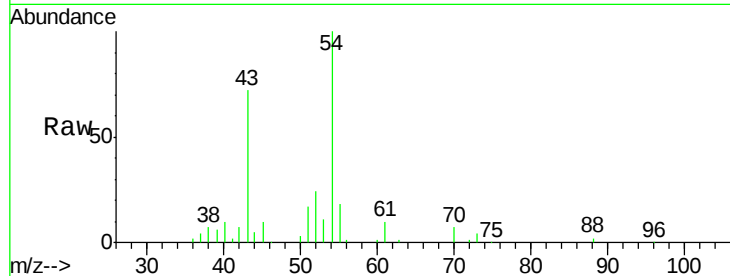
#37
Ethyl Acetate
Concen: 18.673 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Instrument :
MSVOA_N
ClientSampled :
VN1006WBS02

Tot Ion	43	61	70
Resp	80155		
Ratio	100	11.4	8.5
Lower		10.4	7.3
Upper		15.6	10.9

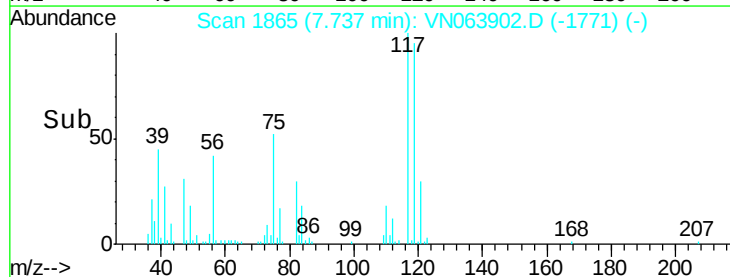
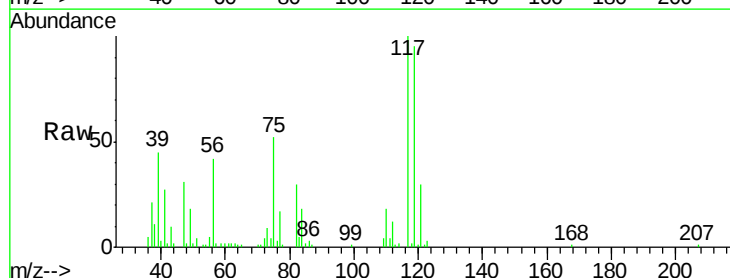
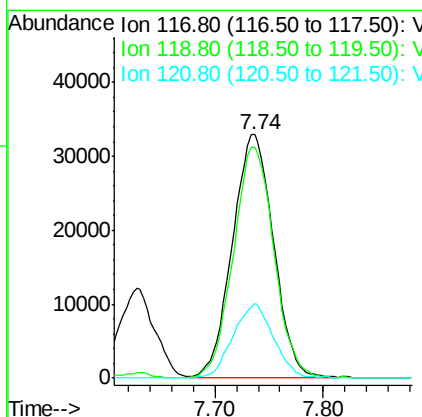
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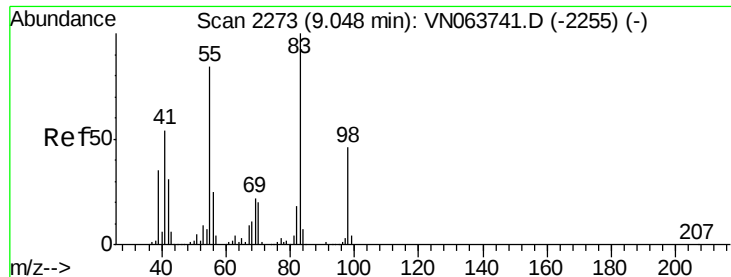
MMDadoda
10/7/2020 12:11:48 PM



#38
Carbon Tetrachloride
Concen: 18.115 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Tgt Ion	117	119	121
Resp	87766		
Ratio	100	94.9	30.5
Lower		80.1	25.7
Upper		120.1	38.5





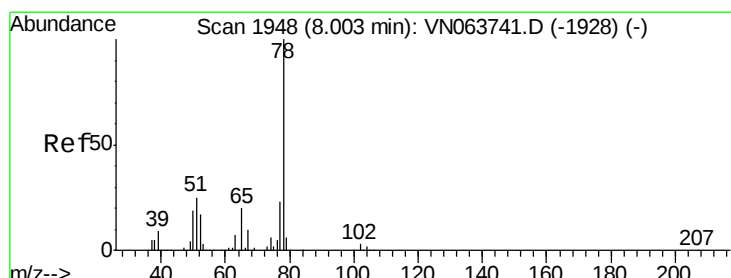
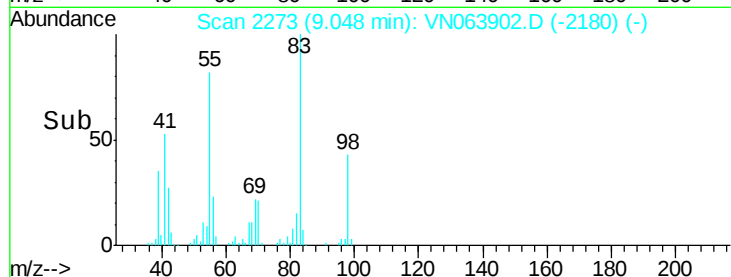
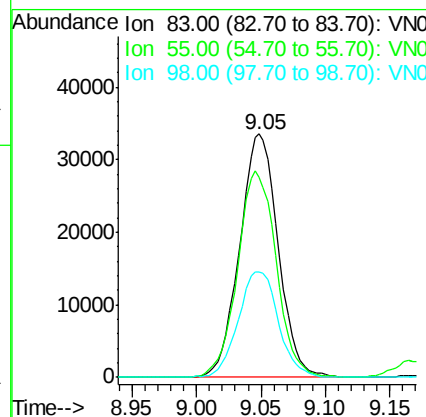
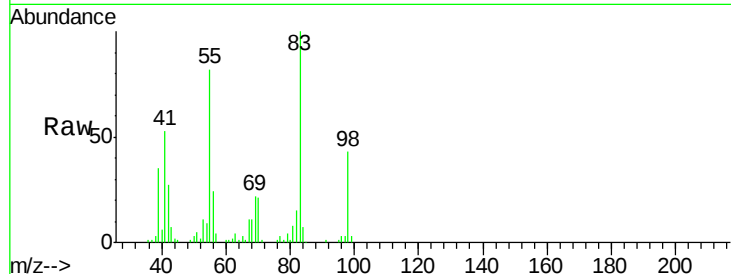
#39
Methvlcvclohexane
Concen: 16.135 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS02

Tot Ion	83	Resp	69520
Ion Ratio	Lower	Upper	
83	100		
55	82.3	67.1	100.7
98	43.2	36.6	54.8

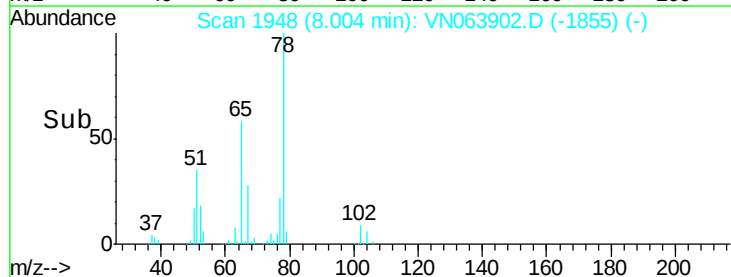
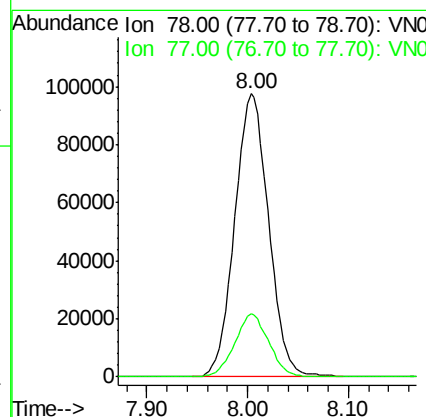
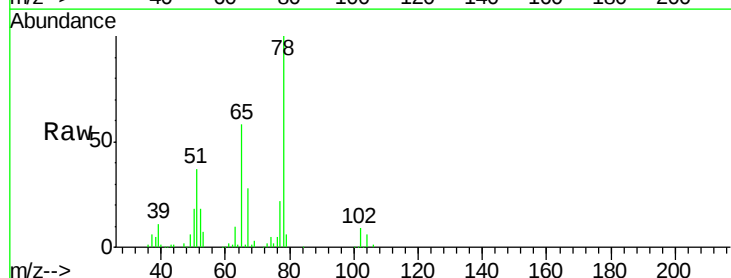
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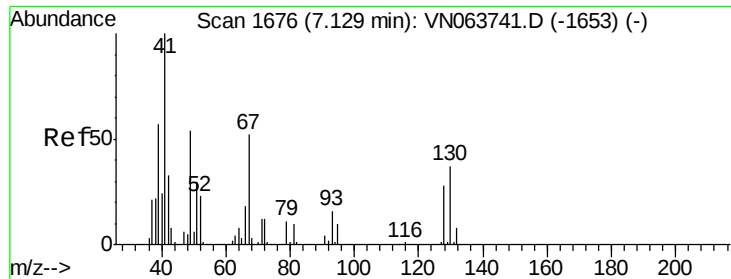
MMDadoda
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#40
Benzene
Concen: 18.489 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Tgt Ion	78	Resp	228168
Ion Ratio	Lower	Upper	
78	100		
77	22.3	18.7	28.1





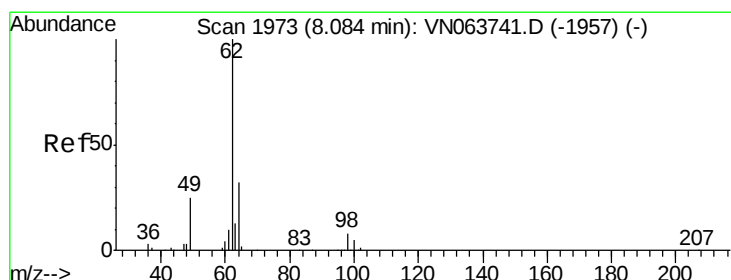
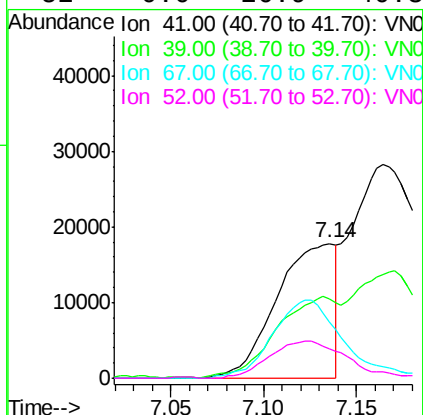
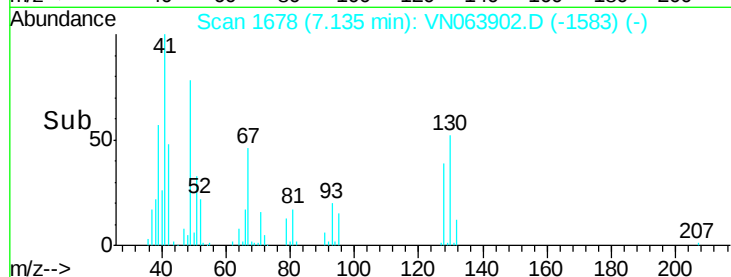
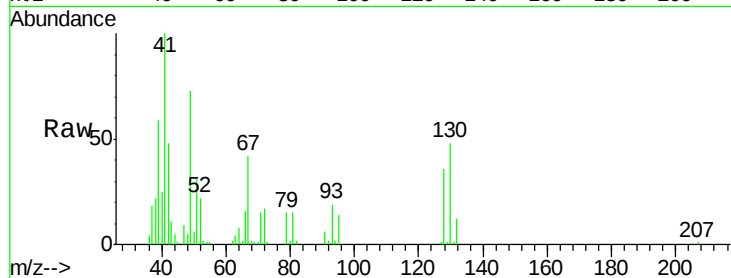
#41
Methacrylonitrile
Concen: 20.412 ug/l m
RT: 7.14 min Scan# 1678
Delta R.T. 0.01 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.5	63.7#
67	0.0	57.4	86.2#
52	0.0	26.9	40.3#

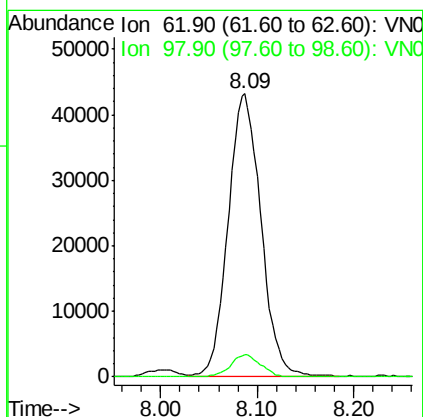
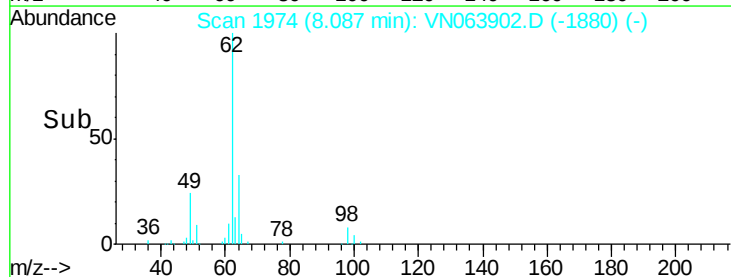
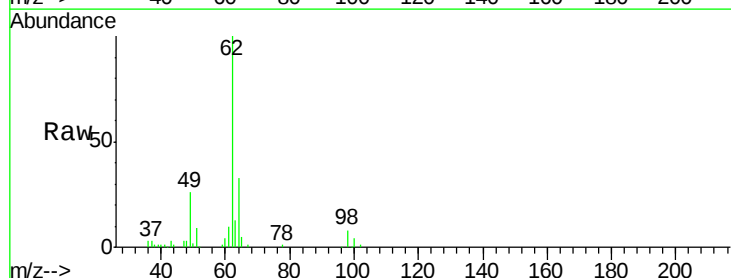
Manual Integrations
APPROVED

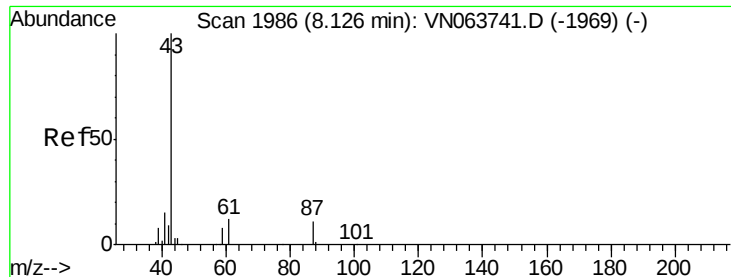
MMDadoda
10/7/2020 12:11:48 PM



#42
1,2-Dichloroethane
Concen: 19.401 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.2	0.0	15.0





#43

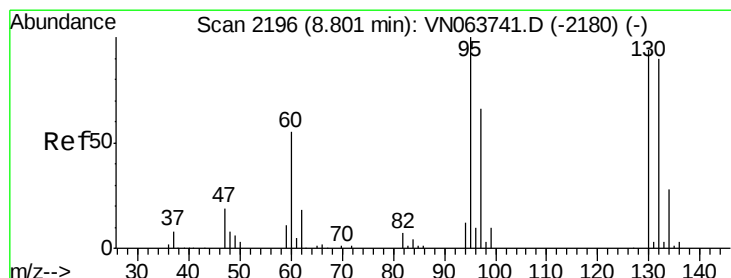
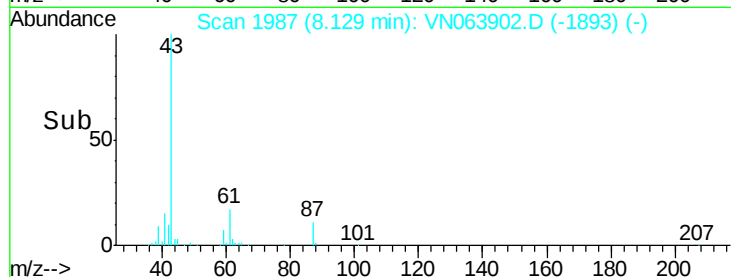
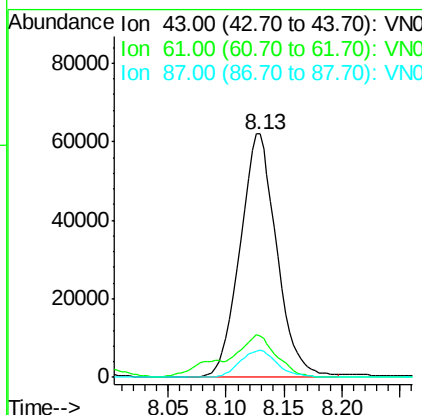
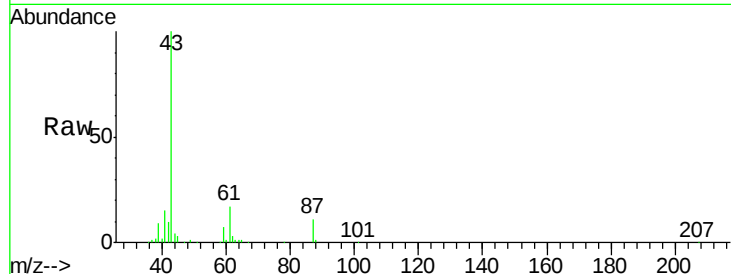
Isopropyl Acetate
 Concen: 19.079 ug/l
 RT: 8.13 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN063902.D
 Acq: 6 Oct 2020 18:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.2	21.4
87	11.4	9.0	13.6

Manual Integrations
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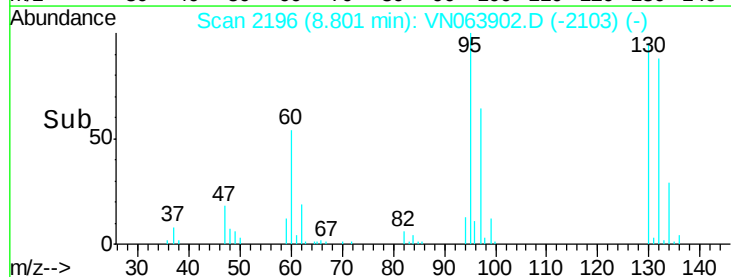
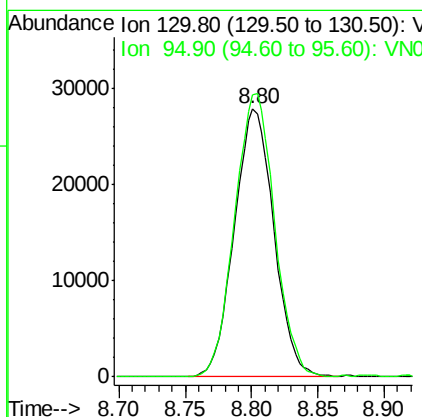
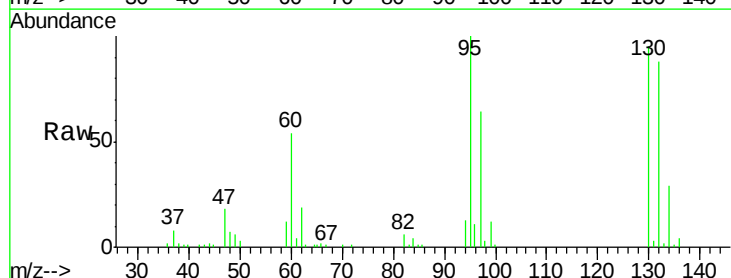
MMDadoda
 10/7/2020 12:11:48 PM

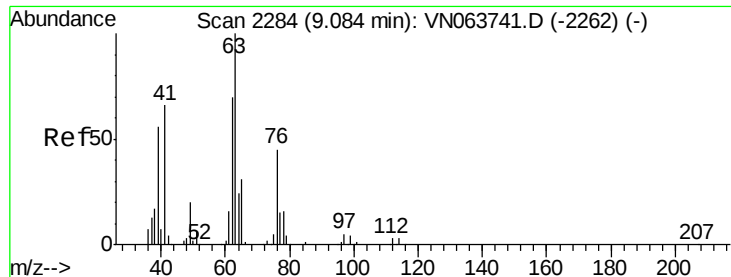


#44

Trichloroethene
 Concen: 17.862 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN063902.D
 Acq: 6 Oct 2020 18:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.3	0.0	213.6





#45

1,2-Dichloropropane

Concen: 18.321 ug/l

RT: 9.09 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN063902.D

Acq: 6 Oct 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBS02

Tot Ion: 63 Resp: 61061

Ion Ratio Lower Upper

63 100

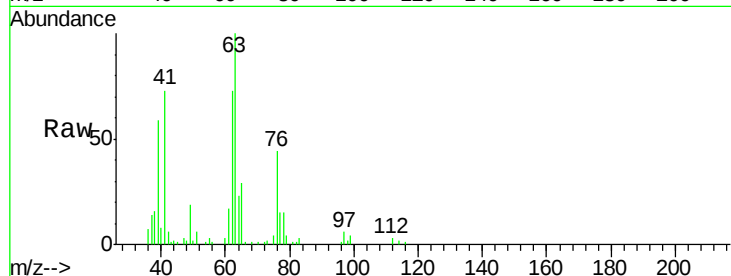
65 29.2 24.7 37.1

Manual Integrations

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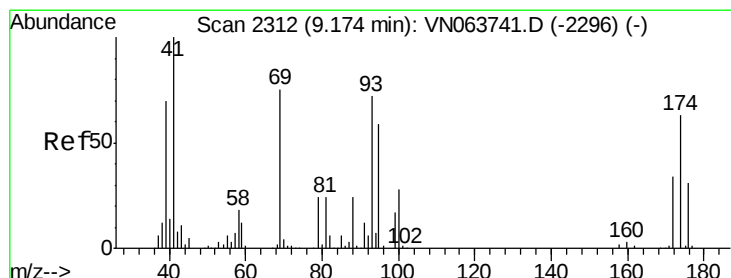
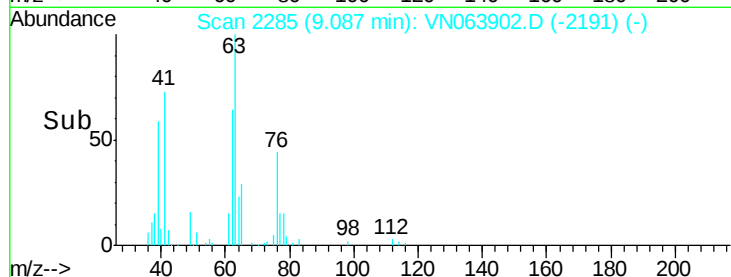
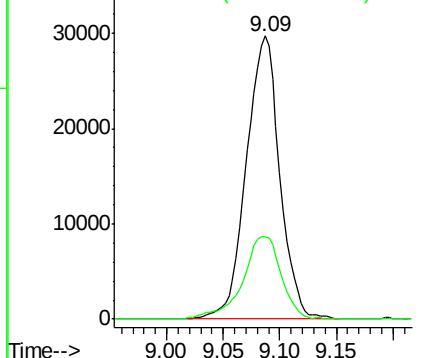
MMDadoda

10/7/2020 12:11:48 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.235 ug/l

RT: 9.18 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN063902.D

Acq: 6 Oct 2020 18:44

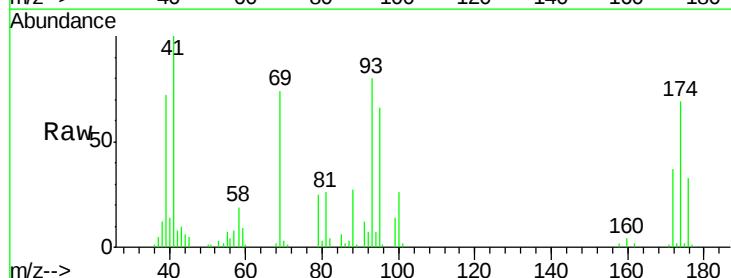
Tgt Ion: 93 Resp: 41925

Ion Ratio Lower Upper

93 100

95 84.5 66.3 99.5

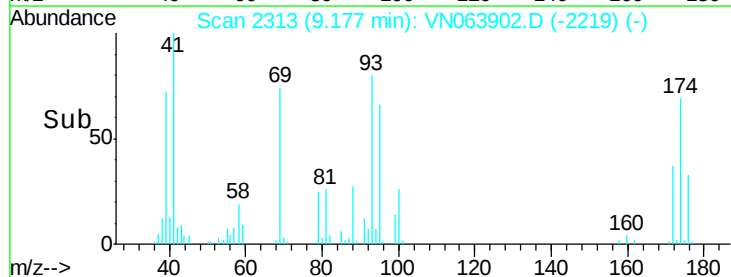
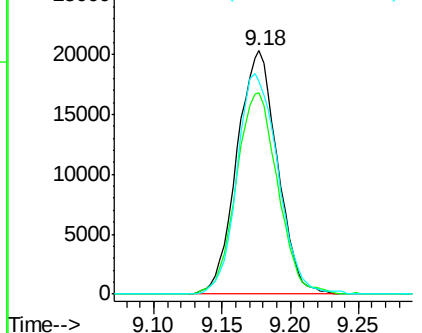
174 91.7 72.7 109.1

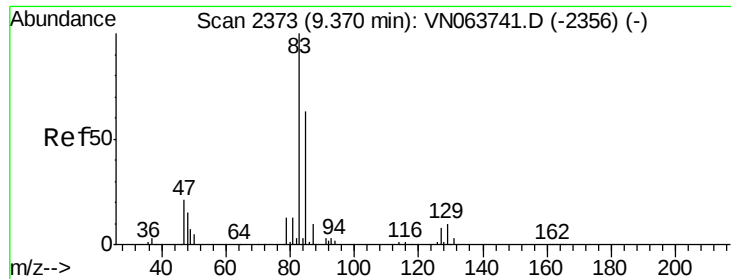


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





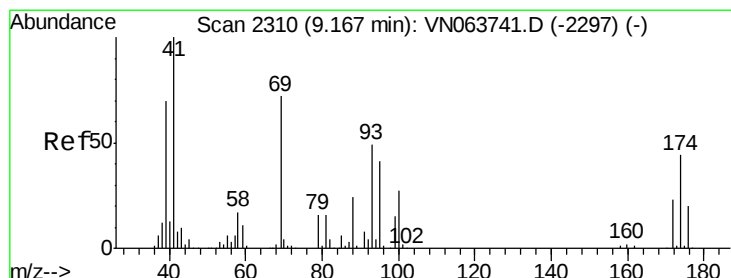
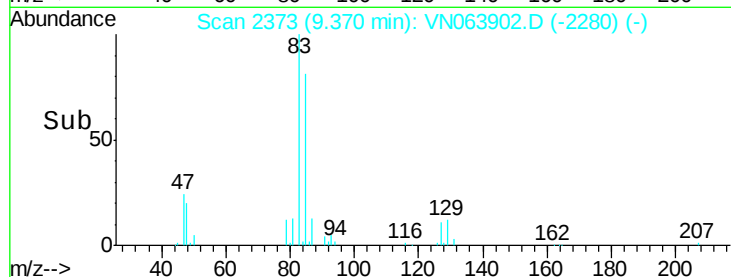
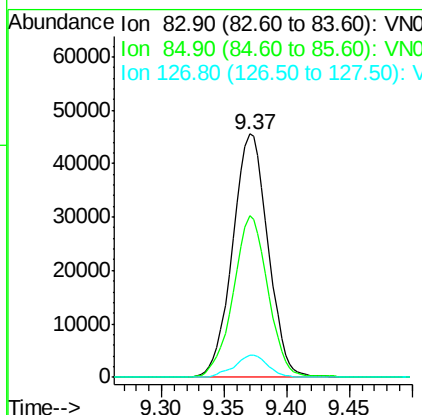
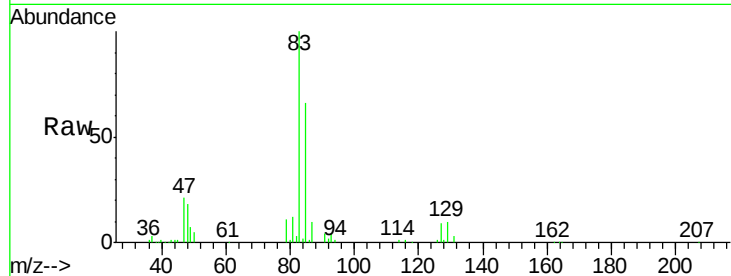
#47
Bromodichloromethane
Concen: 18.857 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS02

Tot Ion	83	Resp	89352
Ion Ratio	100	Lower	Upper
83	100		
85	66.3	50.6	75.8
127	9.0	6.6	9.8

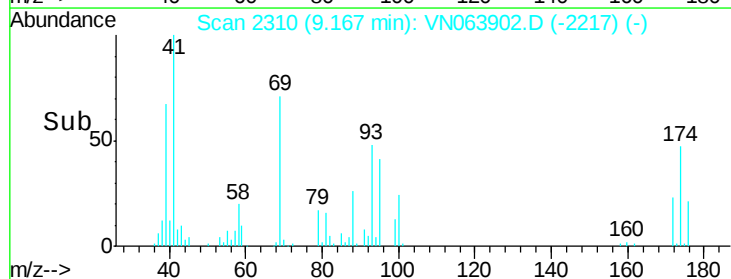
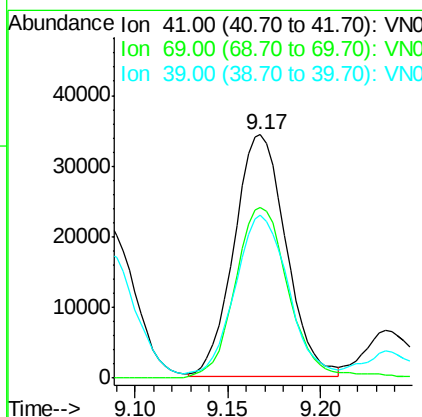
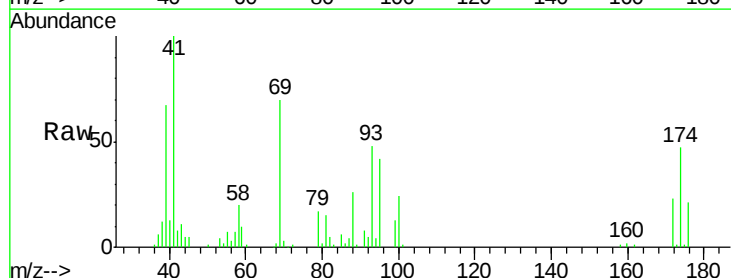
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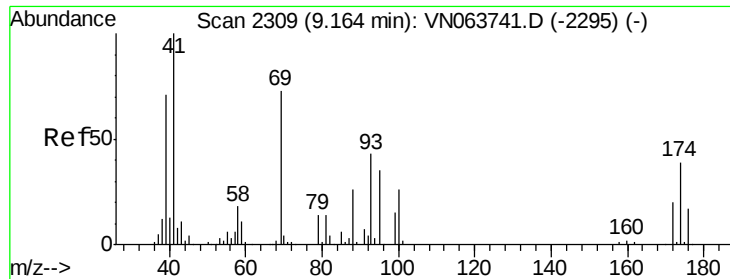
MMDadoda
10/7/2020 12:11:48 PM



#48
Methyl methacrylate
Concen: 19.140 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Tgt Ion	41	Resp	66954
Ion Ratio	100	Lower	Upper
41	100		
69	73.0	60.9	91.3
39	69.0	57.5	86.3





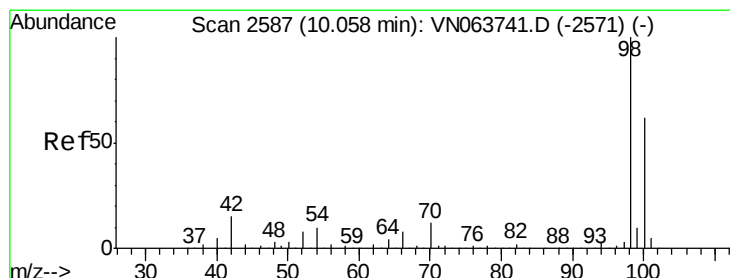
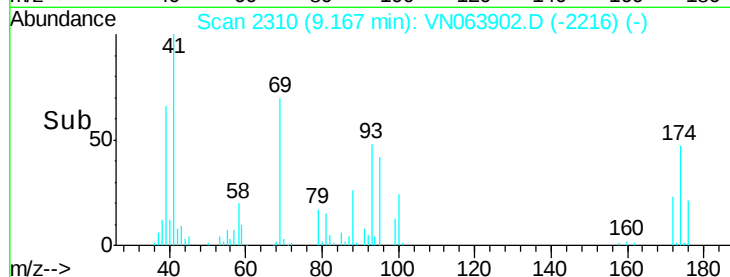
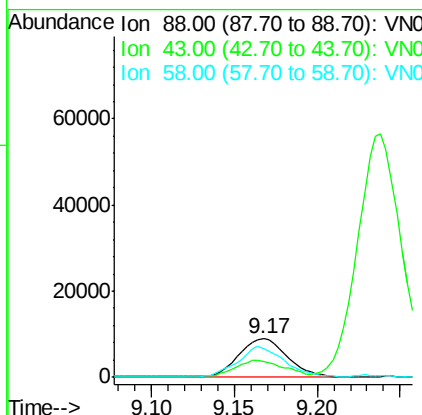
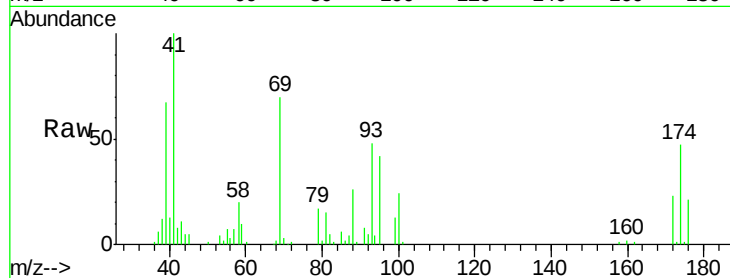
#49
1,4-Dioxane
Concen: 371.364 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.7	33.1	49.7
58	77.0	58.9	88.3

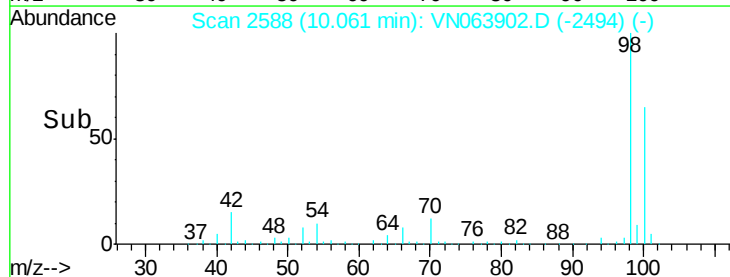
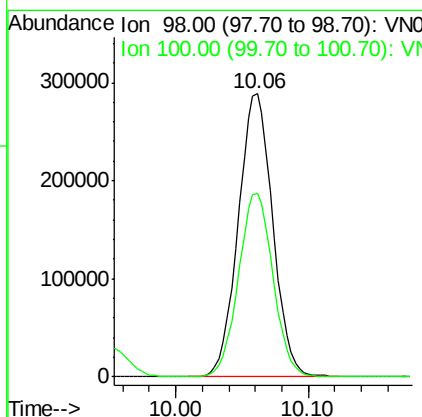
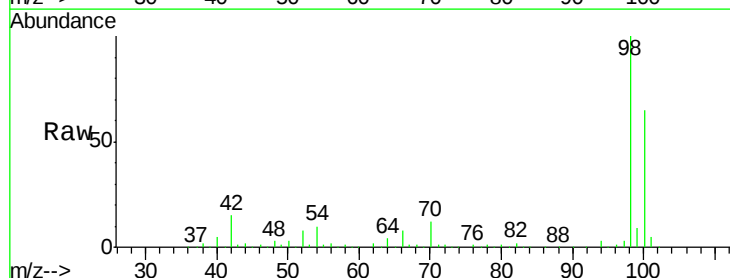
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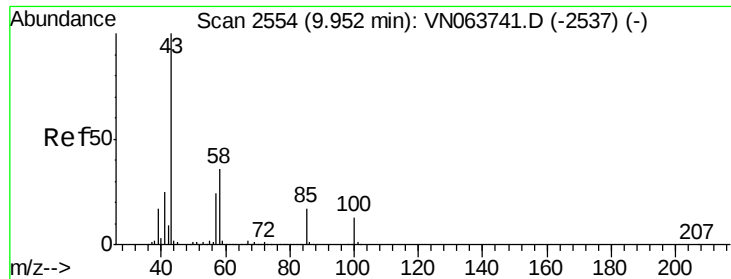
MMDadoda
10/7/2020 12:11:48 PM



#50
Toluene-d8
Concen: 46.496 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	49.8	74.6





#51

4-Methyl-2-Pentanone

Concen: 99.530 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063902.D

Acq: 6 Oct 2020 18:44

Instrument :

MSVOA_N

ClientSampled :

VN1006WBS02

Tot Ion: 43 Resp: 413557

Ion Ratio Lower Upper

43 100

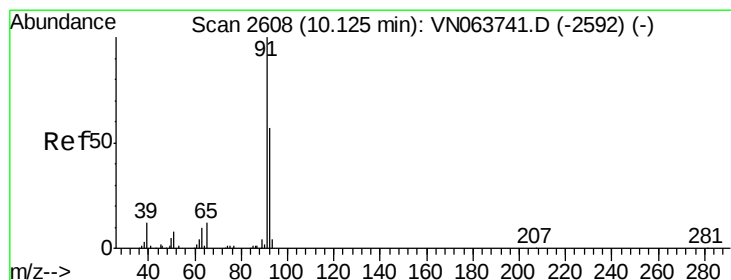
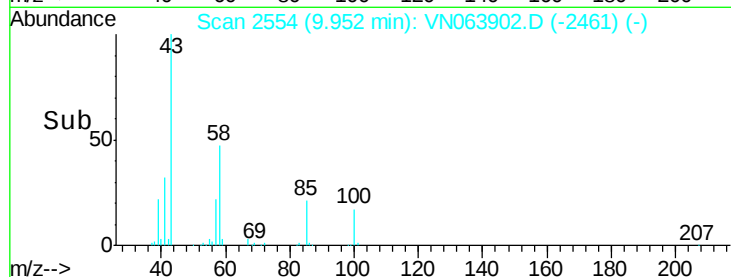
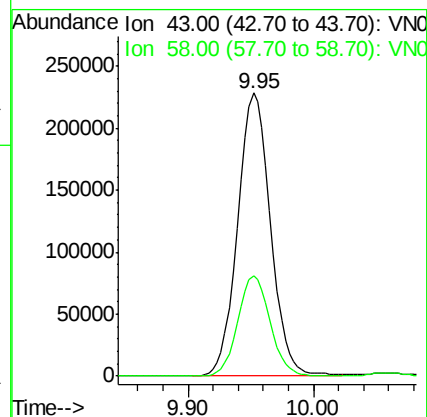
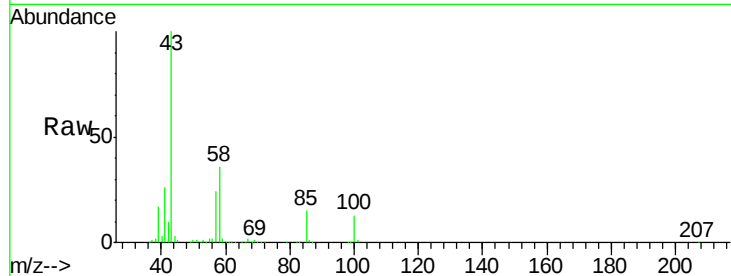
58 35.0 28.4 42.6

Manual Integrations

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10/7/2020 12:11:48 PM



#52

Toluene

Concen: 18.166 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063902.D

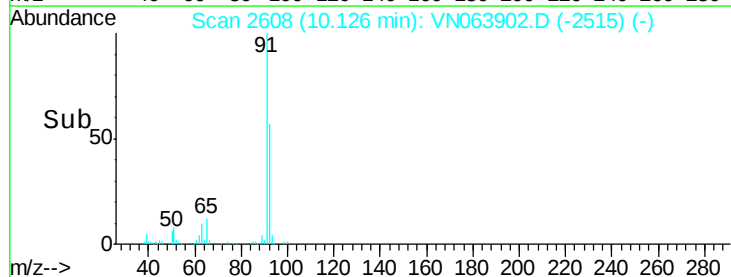
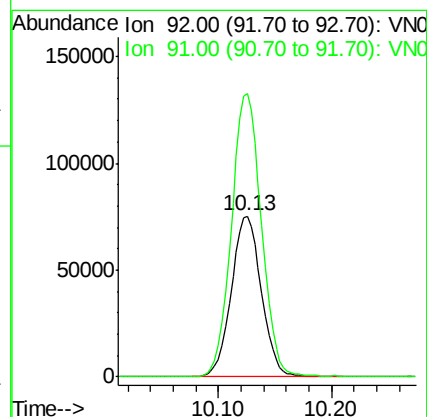
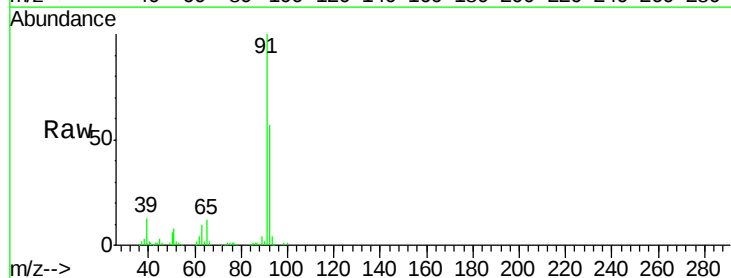
Acq: 6 Oct 2020 18:44

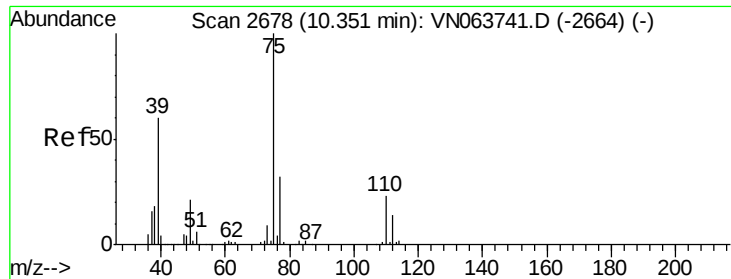
Tgt Ion: 92 Resp: 138664

Ion Ratio Lower Upper

92 100

91 175.8 140.6 210.8





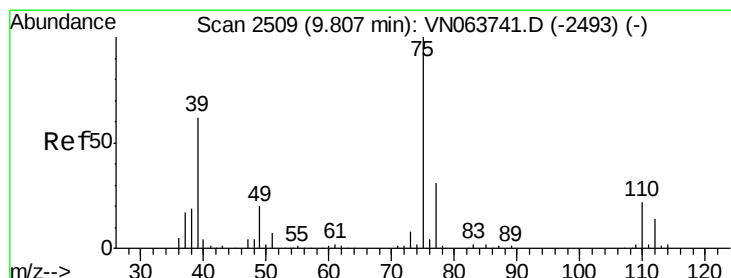
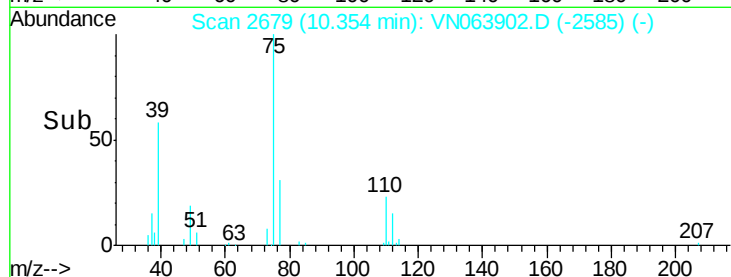
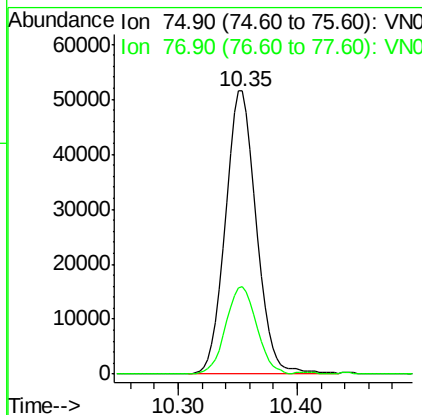
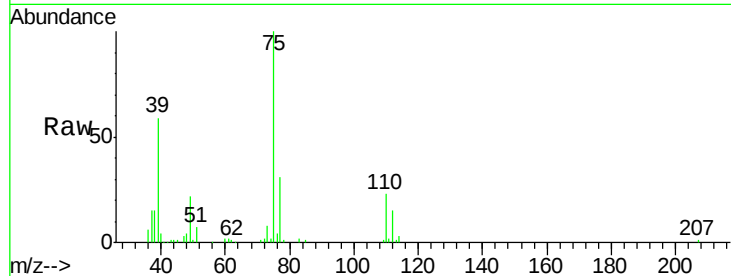
#53
t-1,3-Dichloropropene
Concen: 18.348 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS02

Tot Ion: 75 Resp: 93196
Ion Ratio Lower Upper
75 100
77 31.1 25.3 37.9

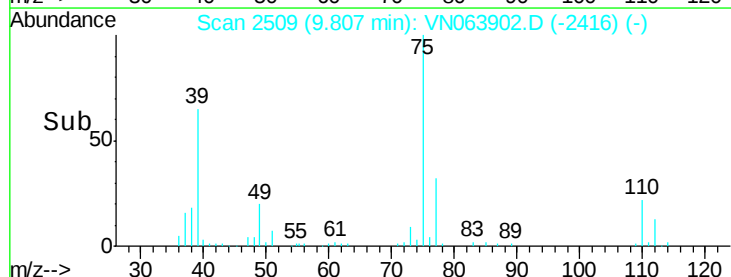
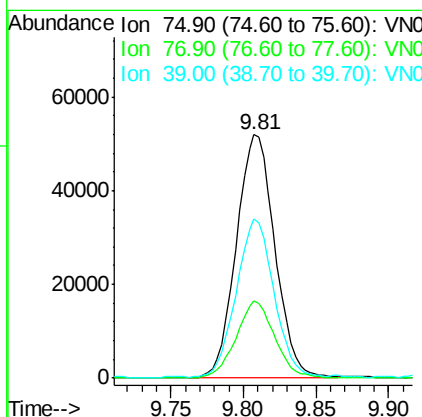
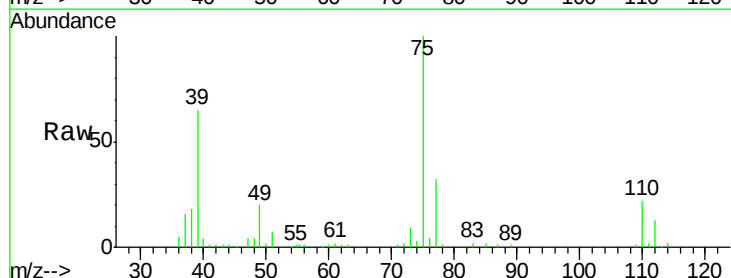
Manual Integrations
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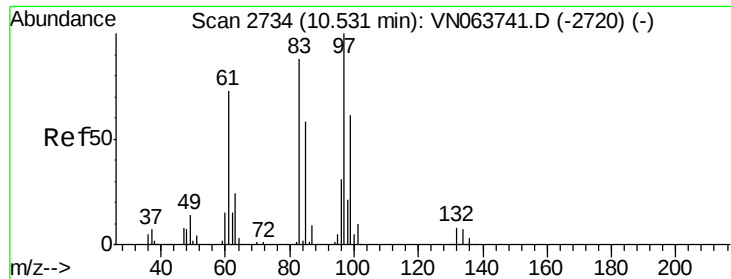
MMDadoda
10/7/2020 12:11:48 PM



#54
cis-1,3-Dichloropropene
Concen: 18.122 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Tgt Ion: 75 Resp: 96264
Ion Ratio Lower Upper
75 100
77 31.5 24.6 36.8
39 64.8 49.7 74.5





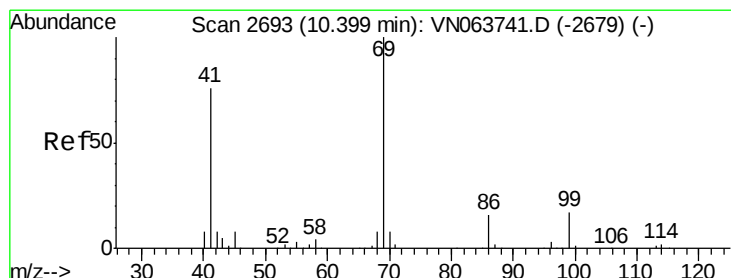
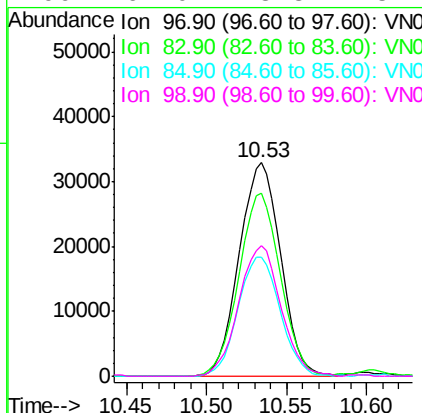
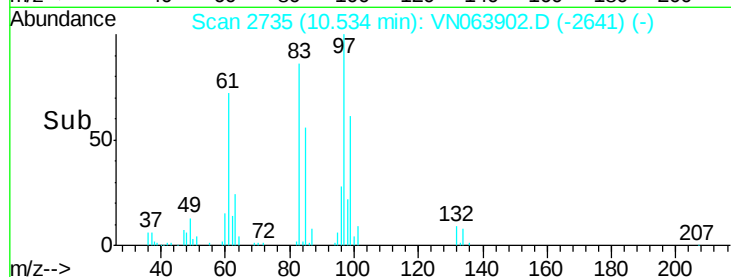
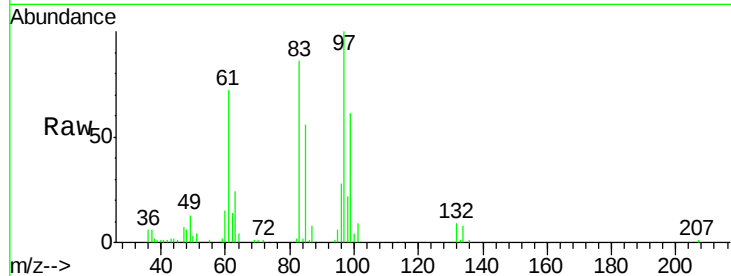
#55
 1,1,2-Trichloroethane
 Concen: 19.084 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063902.D
 Acq: 6 Oct 2020 18:44

Instrument :
 MSVOA_N
 ClientSampled :
 VN1006WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		58420		
83	85.6	70.7	106.1		
85	55.7	46.1	69.1		
99	61.0	48.8	73.2		

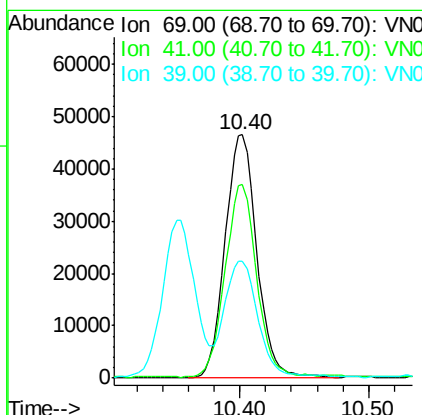
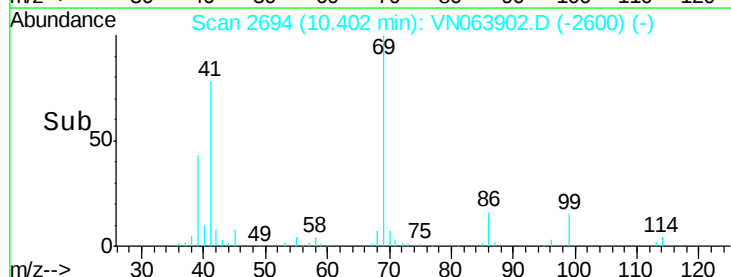
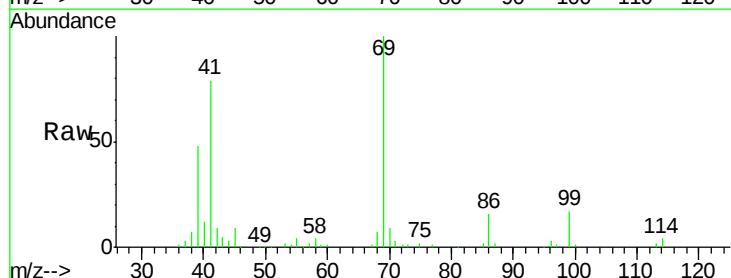
Manual Integrations
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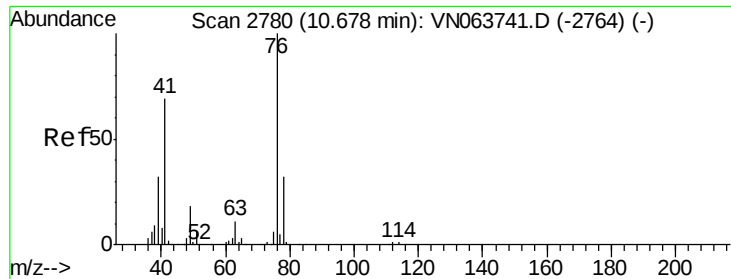
MMDadoda
 10/7/2020 12:11:48 PM



#56
 Ethyl methacrylate
 Concen: 18.399 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063902.D
 Acq: 6 Oct 2020 18:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		79833		
41	78.5	61.1	91.7		
39	47.9	42.2	63.4		





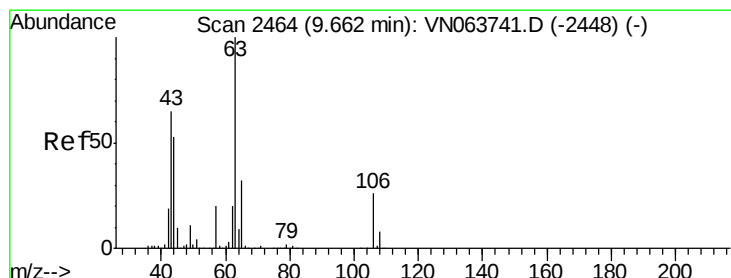
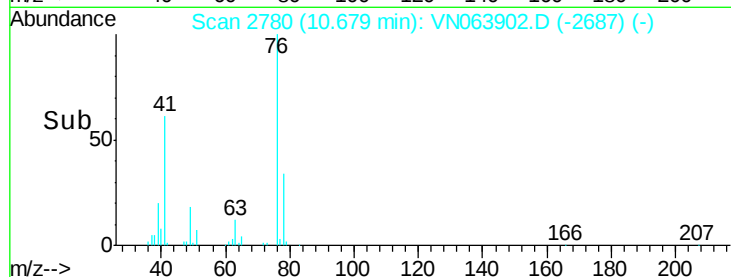
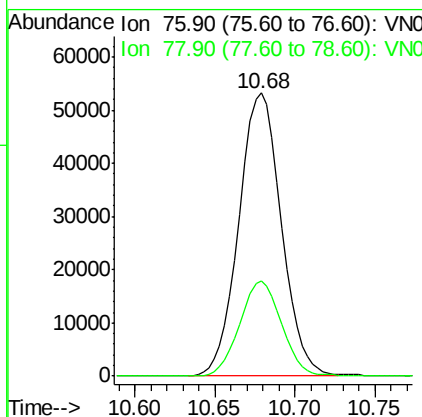
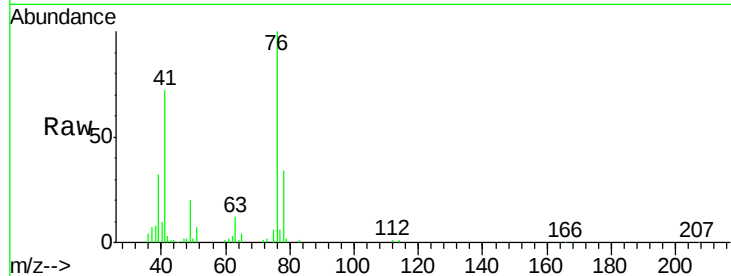
#57
 1,3-Dichloropropane
 Concen: 18.662 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063902.D
 Acq: 6 Oct 2020 18:44

Instrument :
 MSVOA_N
 ClientSampled :
 VN1006WBS02

Tot Ion: 76 Resp: 96649
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.2 37.8

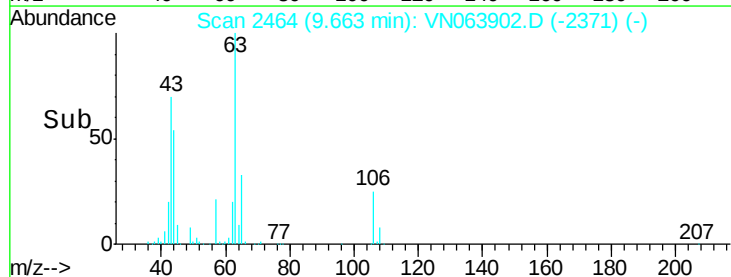
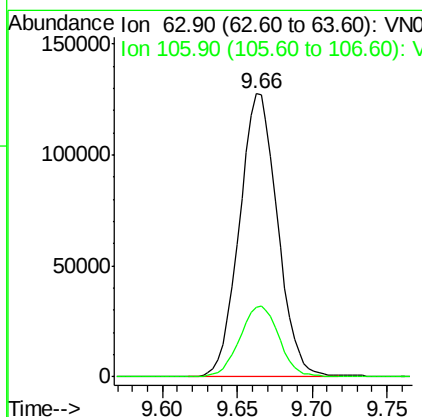
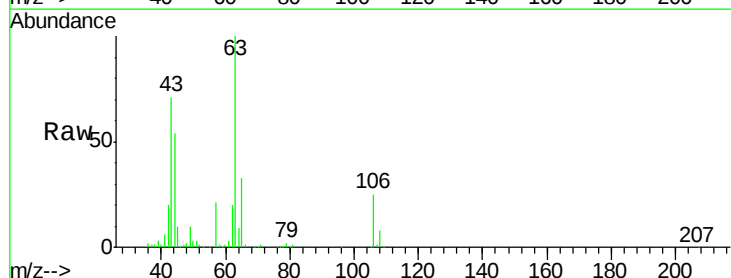
Manual Integrations
 APPROVED

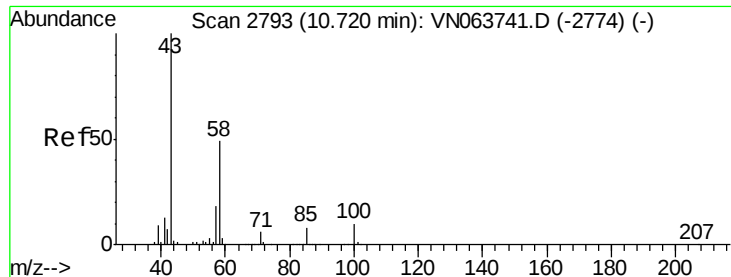
MMDadoda
 10/7/2020 12:11:48 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.665 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063902.D
 Acq: 6 Oct 2020 18:44

Tgt Ion: 63 Resp: 226682
 Ion Ratio Lower Upper
 63 100
 106 25.8 20.7 31.1





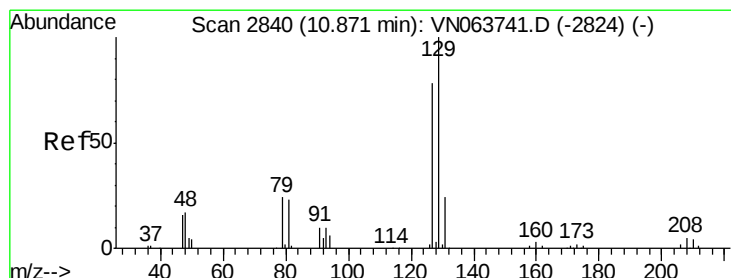
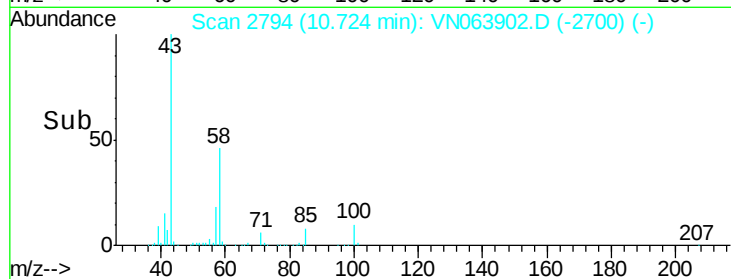
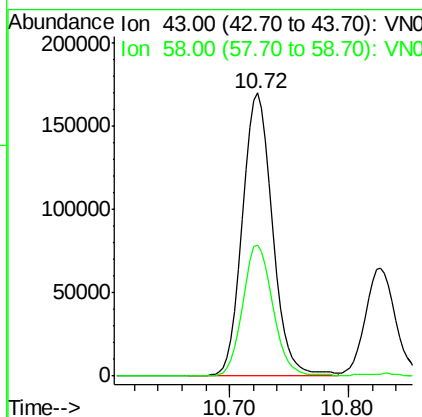
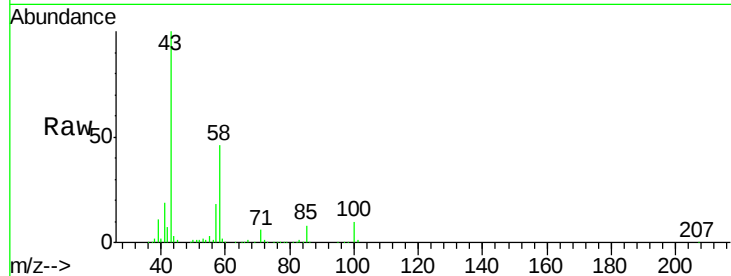
#59
2-Hexanone
Concen: 96.511 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS02

Tot Ion: 43 Resp: 297897
Ion Ratio Lower Upper
43 100
58 46.7 24.6 73.8

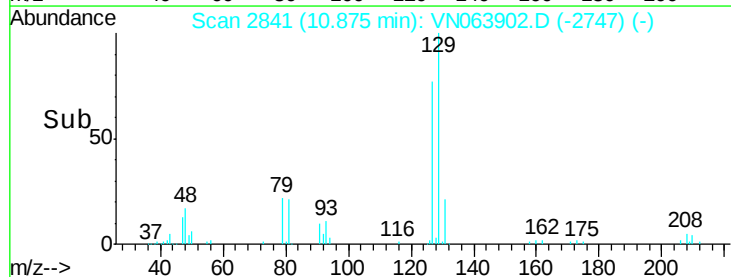
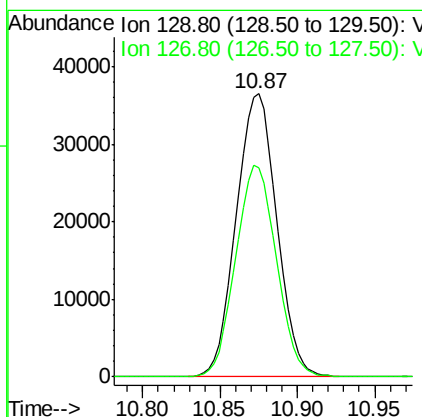
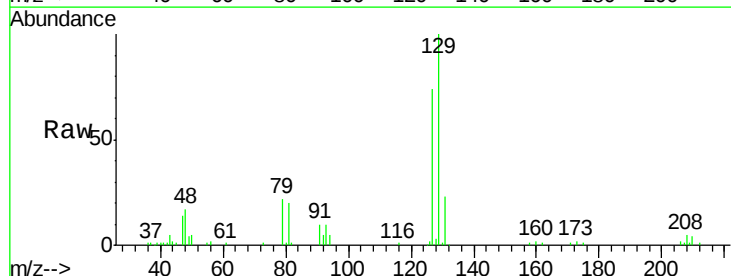
Manual Integrations
APPROVED

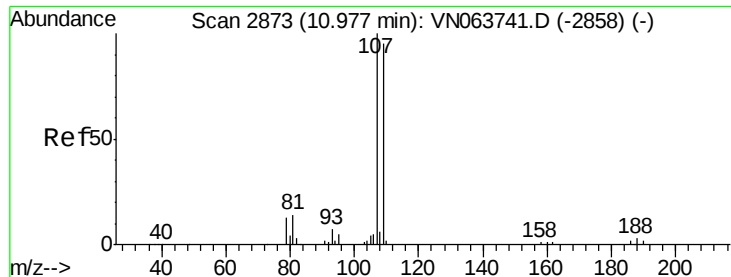
MMDadoda
10/7/2020 12:11:48 PM



#60
Dibromochloromethane
Concen: 18.740 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Tgt Ion: 129 Resp: 66808
Ion Ratio Lower Upper
129 100
127 74.8 38.9 116.7





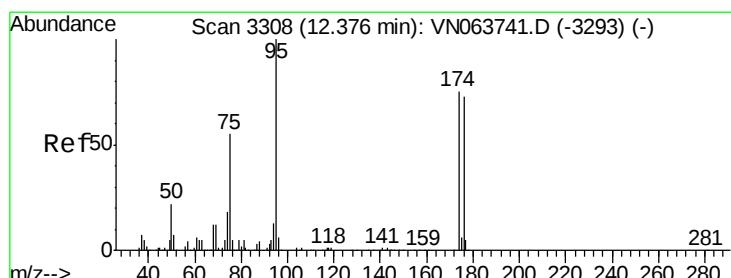
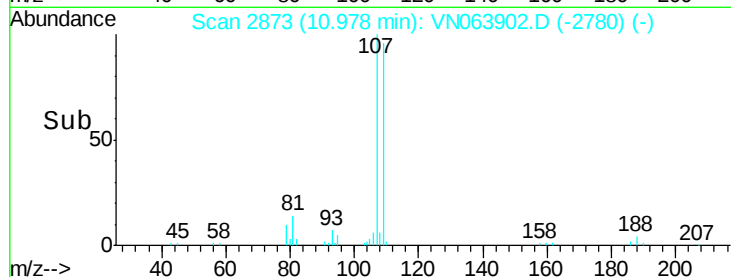
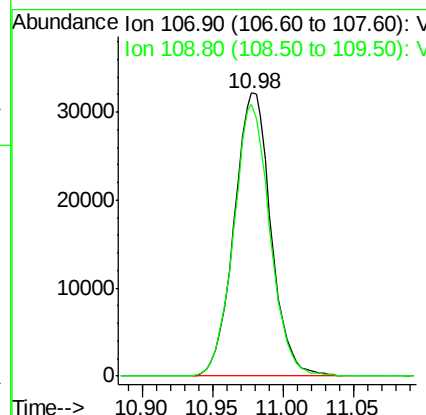
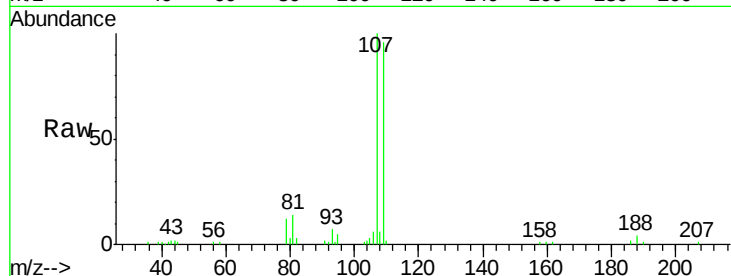
#61
 1,2-Dibromoethane
 Concen: 18.751 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063902.D
 Acq: 6 Oct 2020 18:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	74.8	112.2

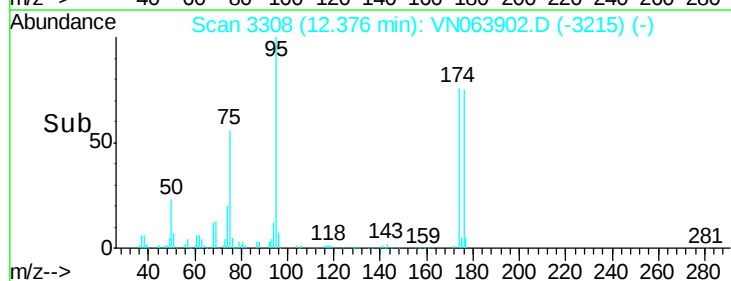
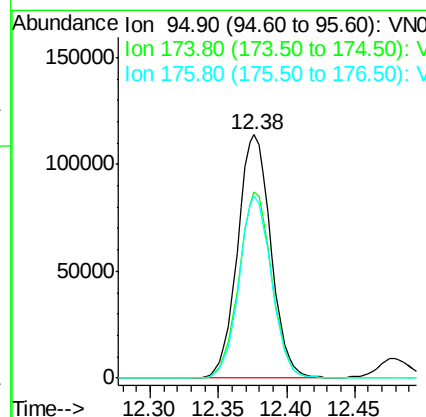
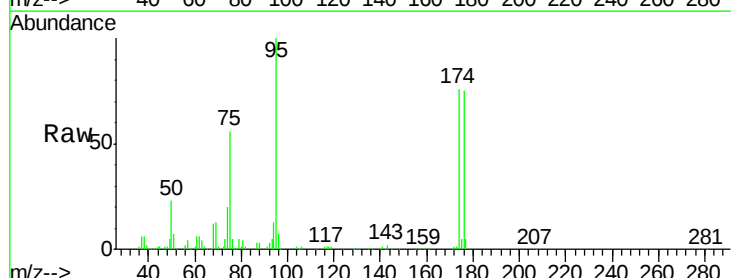
Manual Integrations
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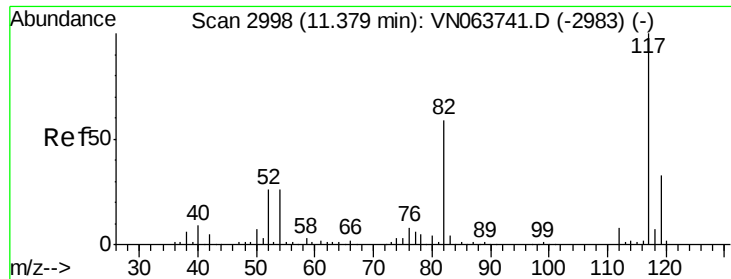
MMDadoda
 10/7/2020 12:11:48 PM



#62
 4-Bromofluorobenzene
 Concen: 45.772 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063902.D
 Acq: 6 Oct 2020 18:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	150.6
176	72.7	0.0	145.4





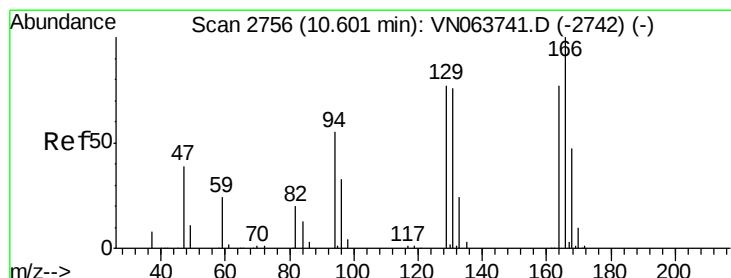
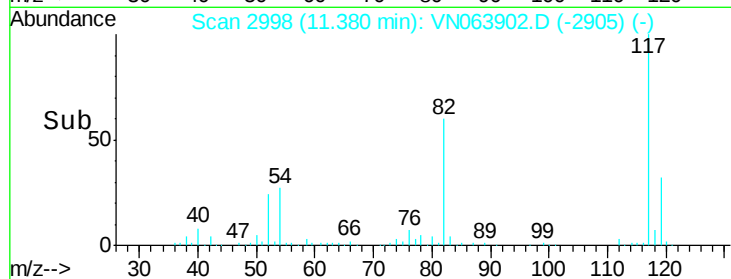
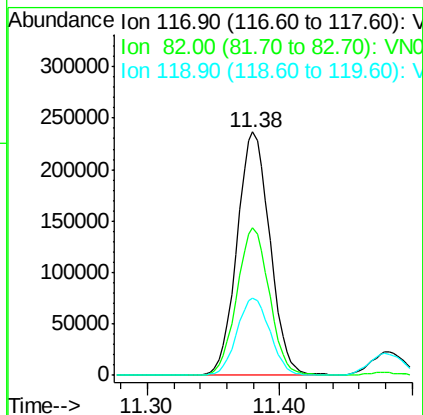
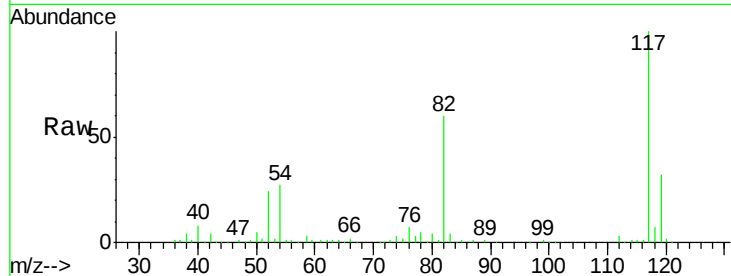
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.4	47.4	71.2
119	31.8	26.4	39.6

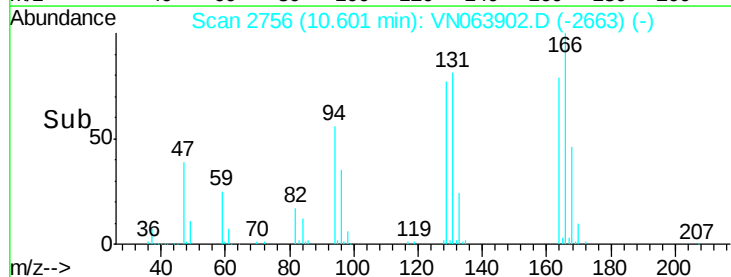
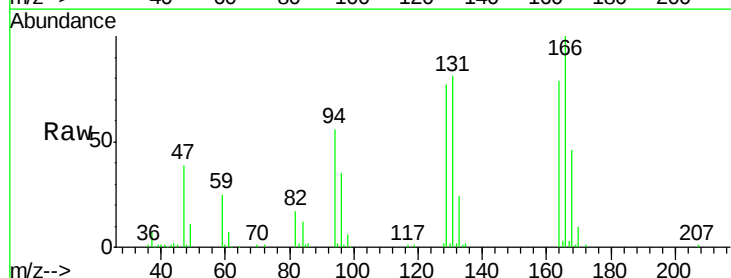
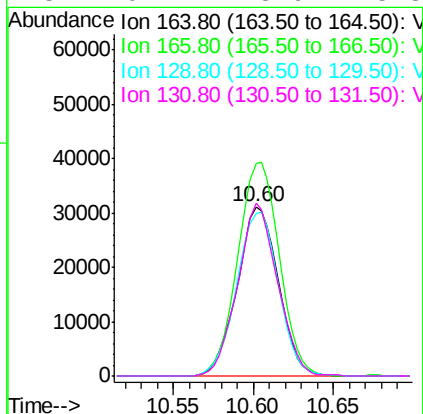
Manual Integrations
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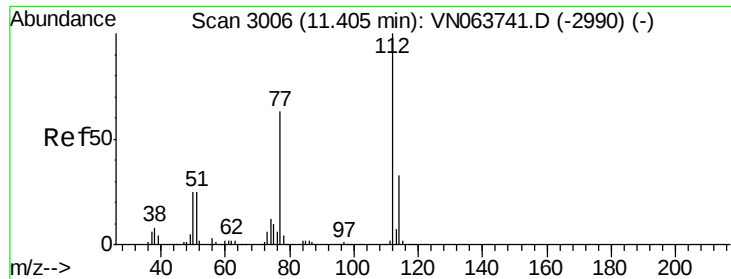
MMDadoda
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#64
Tetrachloroethene
Concen: 17.255 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	103.9	155.9
129	96.5	80.3	120.5
131	102.1	78.9	118.3





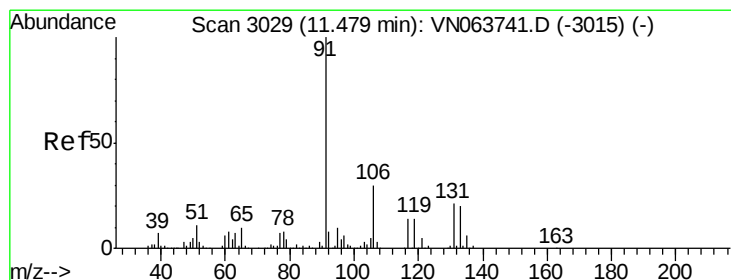
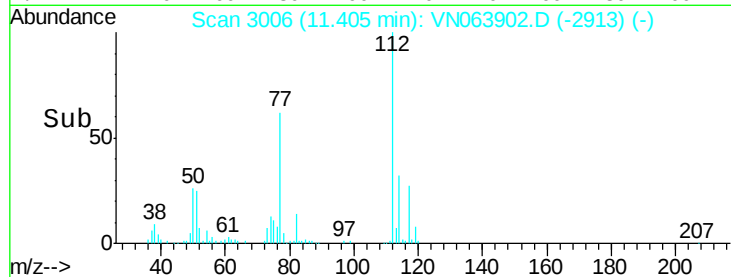
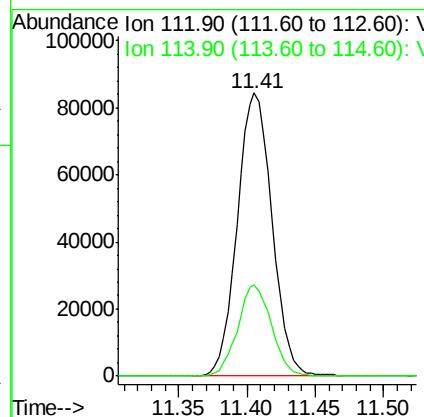
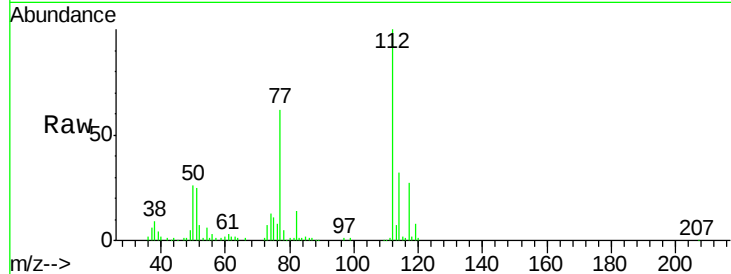
#65
Chlorobenzene
Concen: 17.881 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.1	39.1

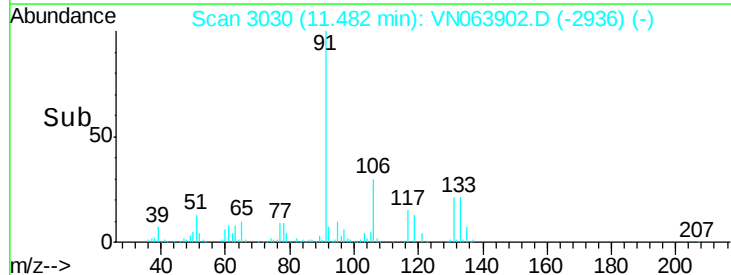
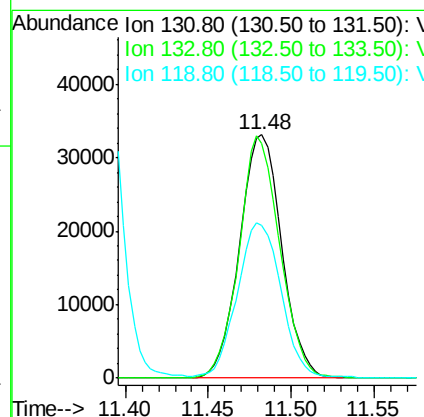
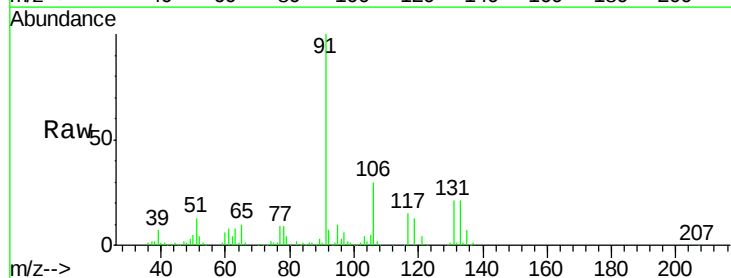
Manual Integrations
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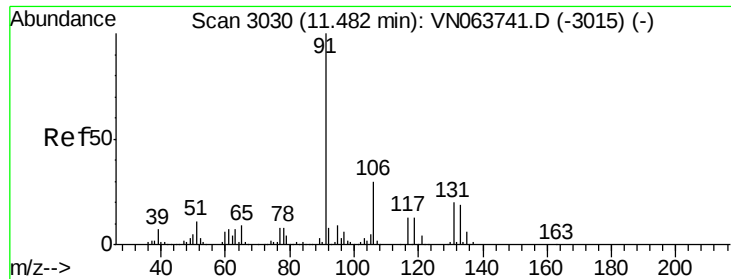
MMDadoda
10/7/2020 12:11:48 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.241 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.3	141.8
119	65.4	32.6	97.7





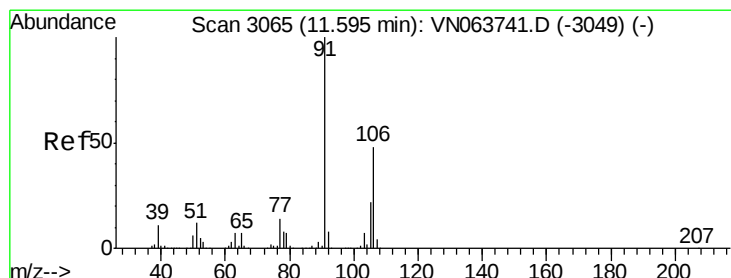
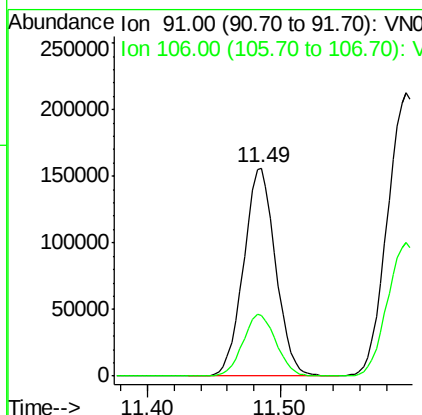
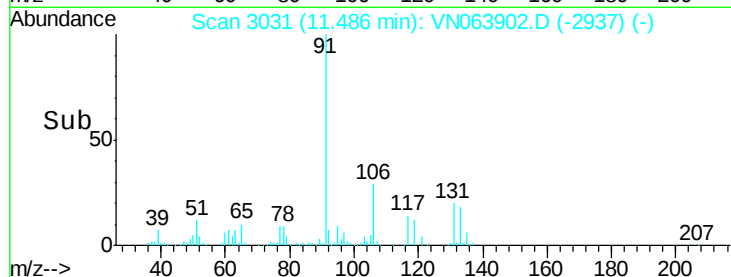
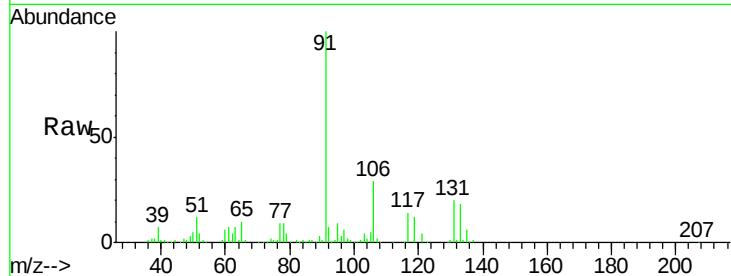
#67
Ethyl Benzene
Concen: 17.192 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS02

Tot Ion: 91 Resp: 261588
Ion Ratio Lower Upper
91 100
106 29.2 24.2 36.2

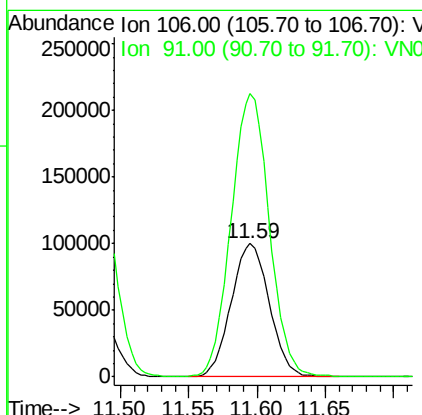
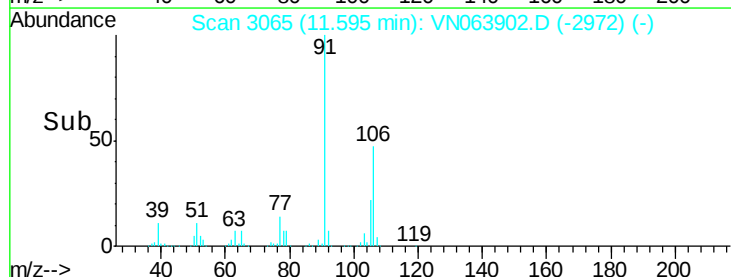
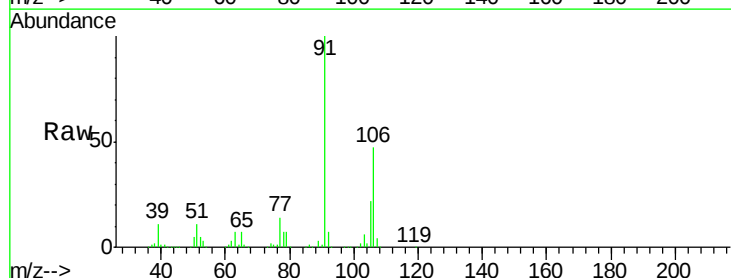
Manual Integrations
APPROVED

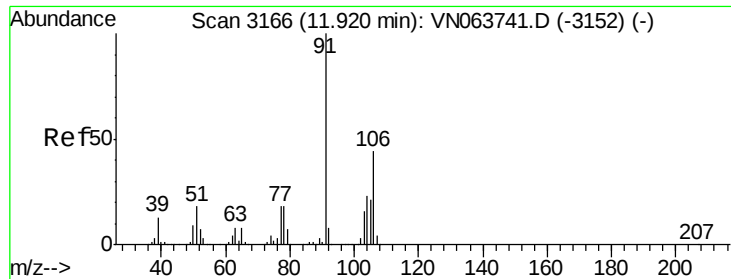
MMDadoda
10/7/2020 12:11:48 PM



#68
m/p-Xylenes
Concen: 34.098 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Tgt Ion: 106 Resp: 193369
Ion Ratio Lower Upper
106 100
91 213.5 168.0 252.0





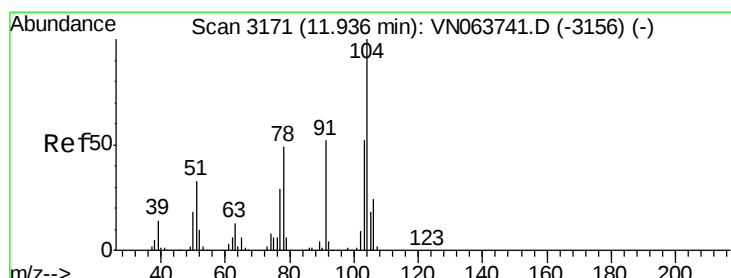
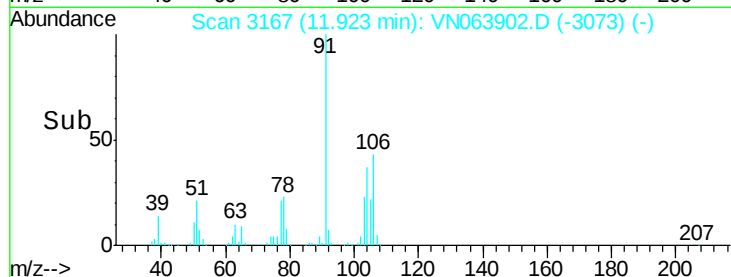
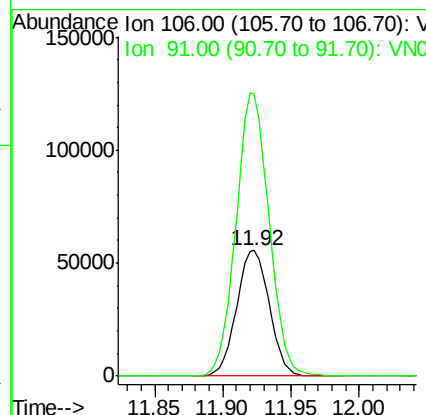
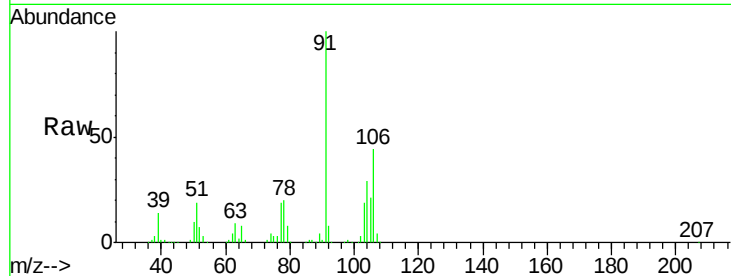
#69
o-Xylene
Concen: 17.521 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS02

Tot Ion:106 Resp: 92867
Ion Ratio Lower Upper
106 100
91 227.0 112.7 338.0

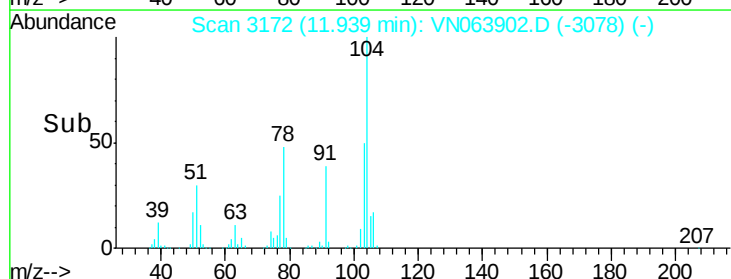
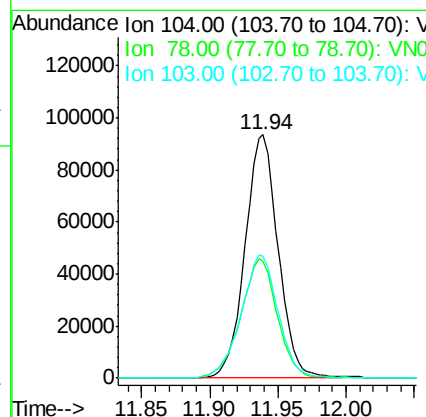
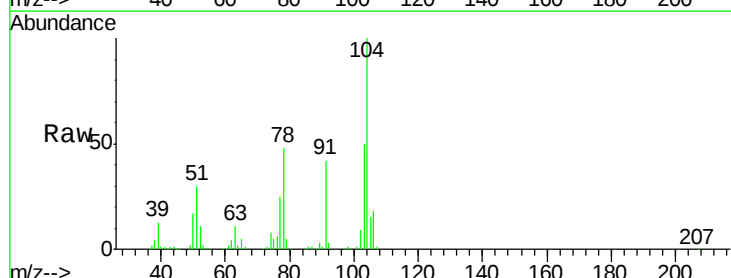
Manual Integrations
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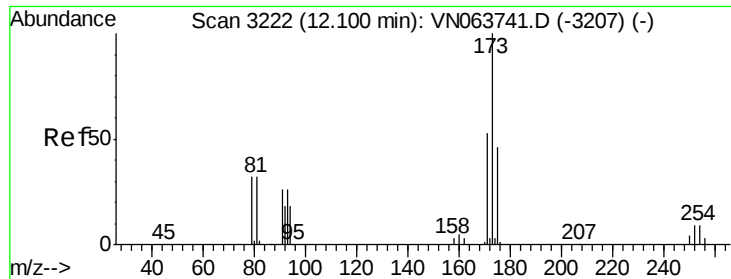
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#70
Styrene
Concen: 17.500 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Tgt Ion:104 Resp: 157458
Ion Ratio Lower Upper
104 100
78 54.2 44.1 66.1
103 56.3 44.3 66.5





#71

Bromoform

Concen: 17.780 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN063902.D

Acq: 6 Oct 2020 18:44

Instrument :

MSVOA_N

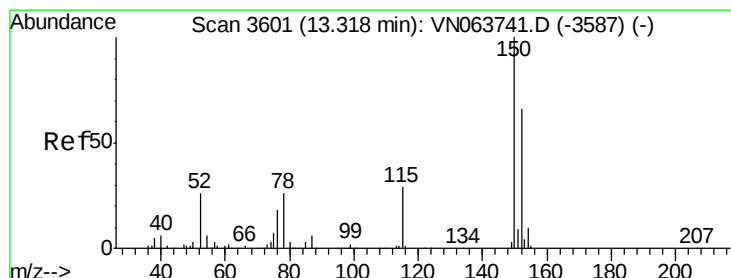
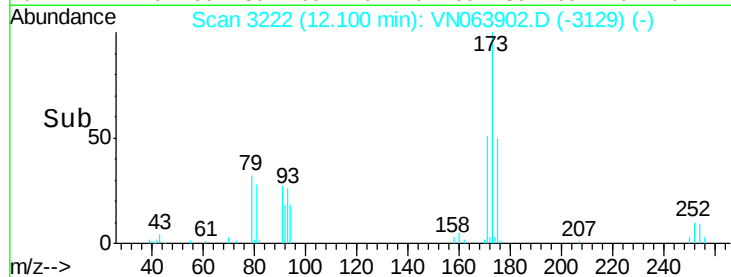
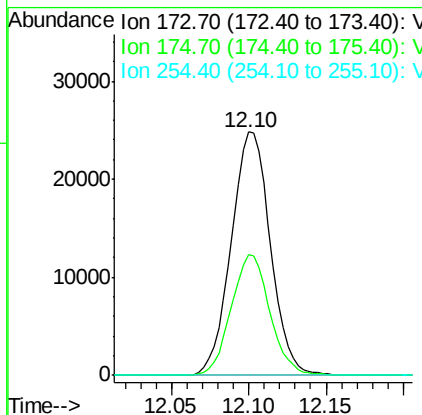
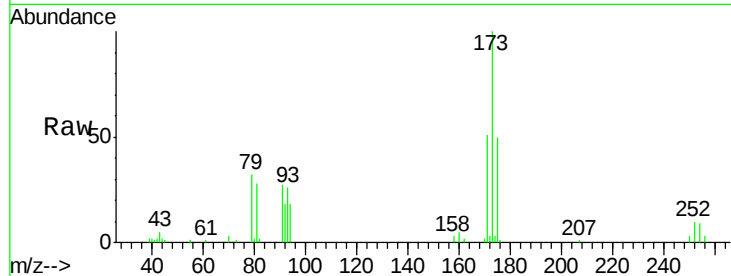
ClientSampleId :

VN1006WBS02

Tot Ion:	173	Resp:	43593
Ion Ratio	Lower	Upper	
173	100		
175	48.9	23.5	70.5
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

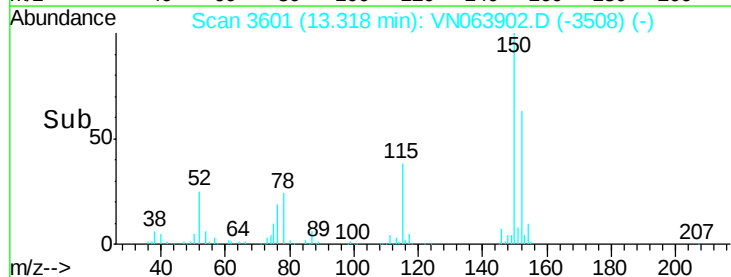
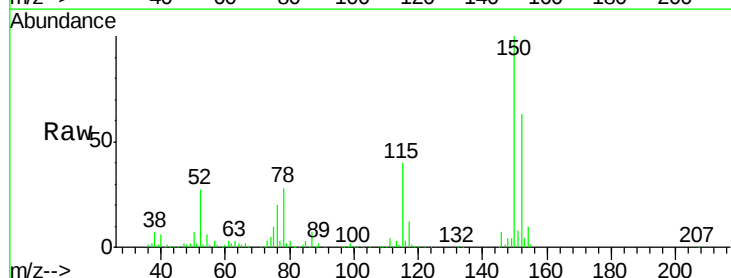
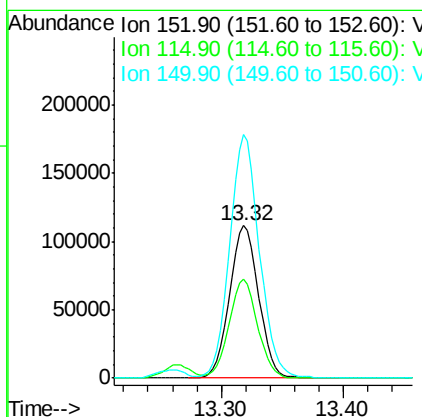
RT: 13.32 min Scan# 3601

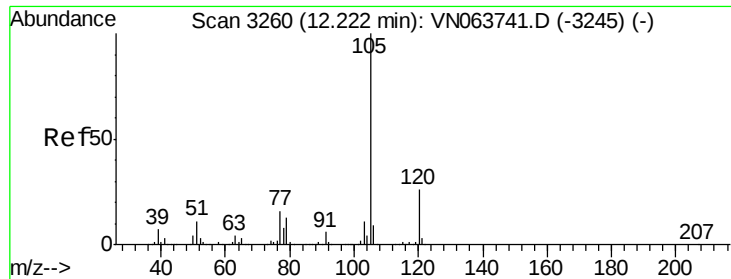
Delta R.T. 0.00 min

Lab File: VN063902.D

Acq: 6 Oct 2020 18:44

Tgt Ion:	152	Resp:	186054
Ion Ratio	Lower	Upper	
152	100		
115	63.1	31.3	93.8
150	162.1	0.0	341.8





#73

Isopropylbenzene

Concen: 18.054 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063902.D

Acq: 6 Oct 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBS02

Tot Ion: 105 Resp: 245010

Ion Ratio Lower Upper

105 100

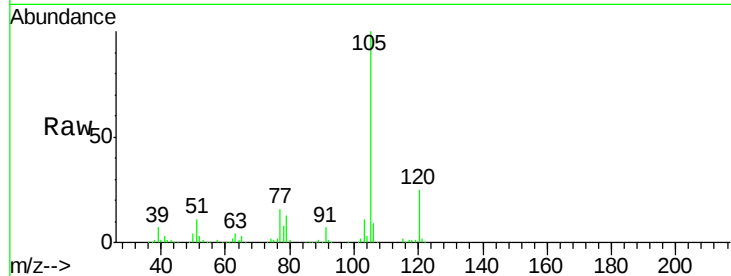
120 24.8 12.6 37.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.23

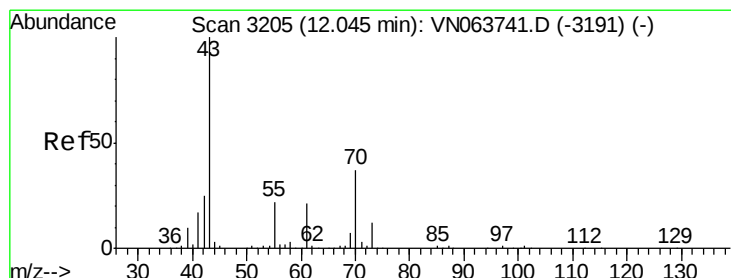
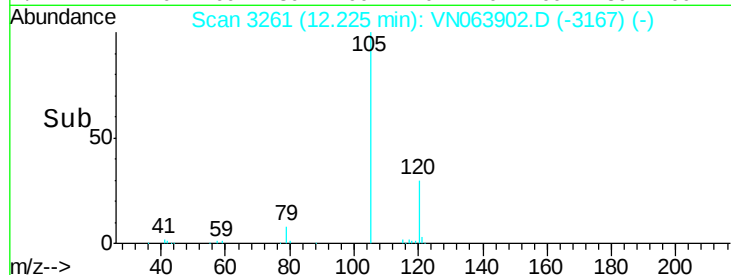
150000

100000

50000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 19.024 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063902.D

Acq: 6 Oct 2020 18:44

Tgt Ion: 43 Resp: 110933

Ion Ratio Lower Upper

43 100

70 36.4 29.8 44.8

55 23.2 17.9 26.9

61 20.7 17.0 25.4

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.05

100000

80000

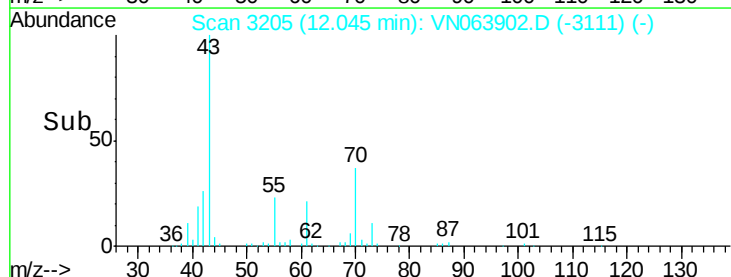
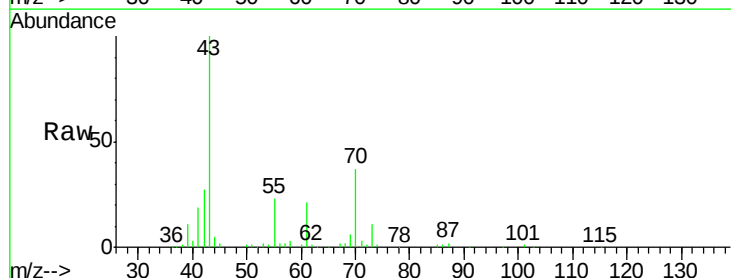
60000

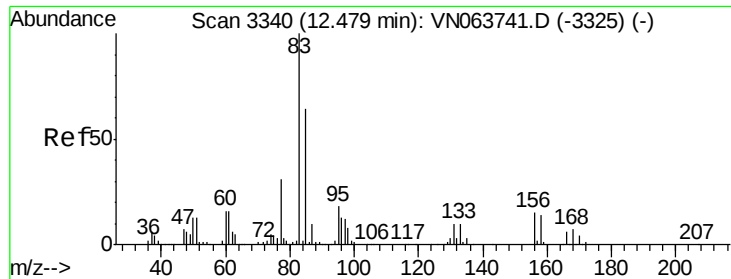
40000

20000

0

Time--> 11.95 12.00 12.05 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 19.411 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063902.D

Acq: 6 Oct 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

VN1006WBS02

Tot Ion: 83 Resp: 80551
Ion Ratio Lower Upper

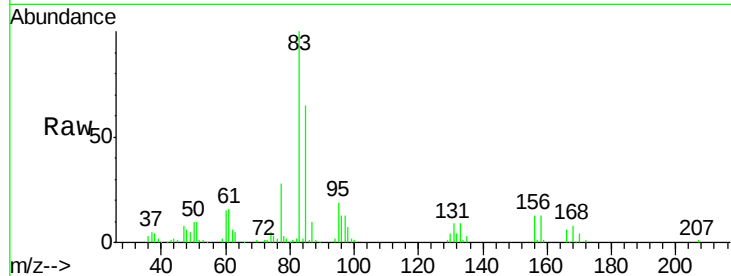
83 100

131 10.4 5.3 15.8

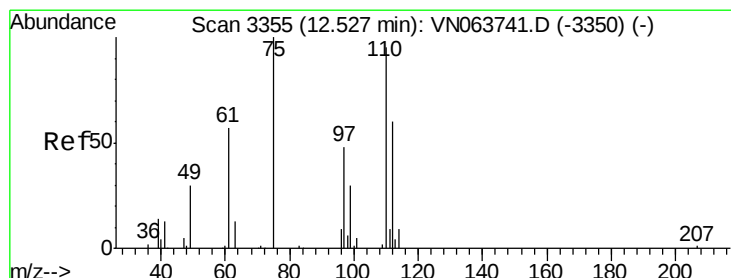
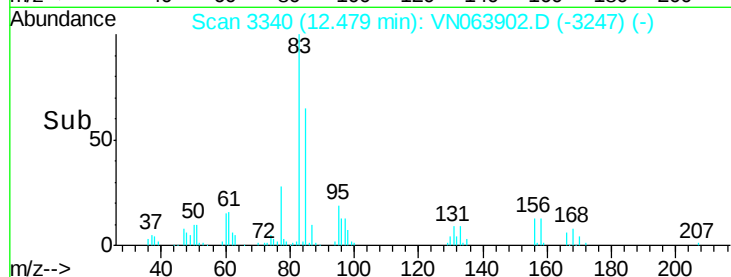
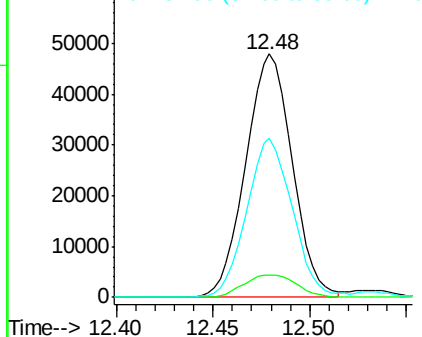
85 64.0 31.3 93.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 18.755 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

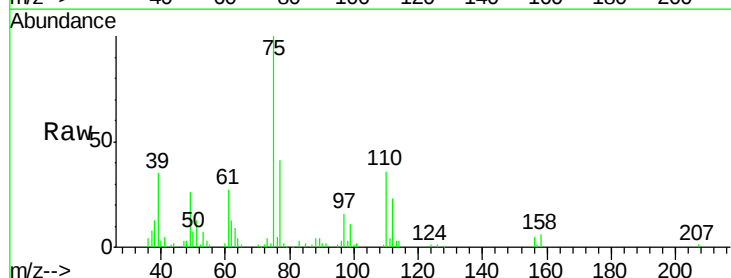
Lab File: VN063902.D

Acq: 6 Oct 2020 18:44

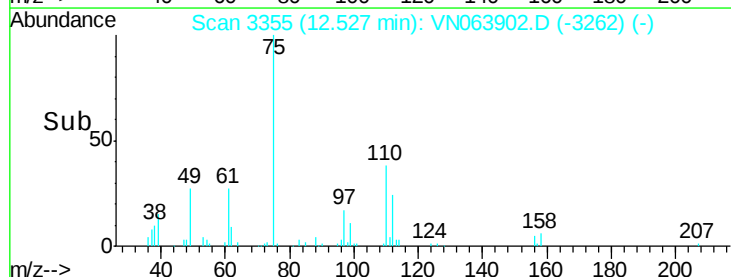
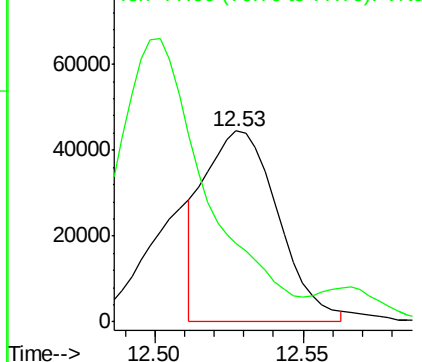
Tgt Ion: 75 Resp: 76919
Ion Ratio Lower Upper

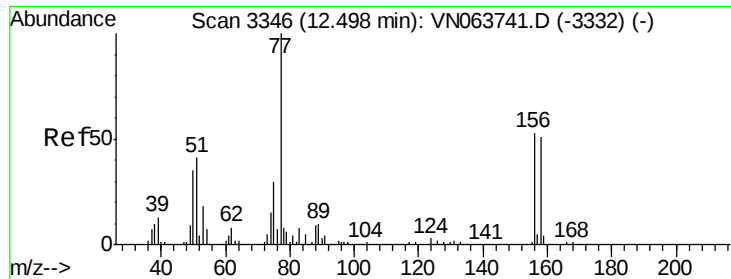
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.214 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN063902.D

Acq: 6 Oct 2020 18:44

Instrument :

MSVOA_N

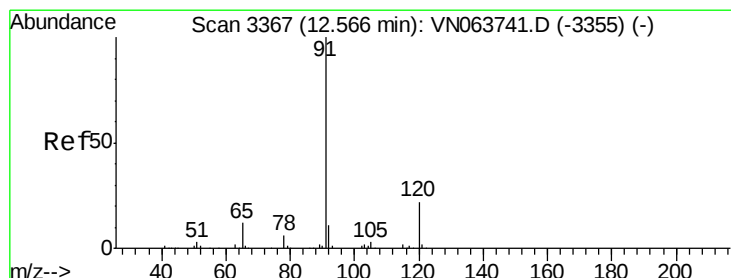
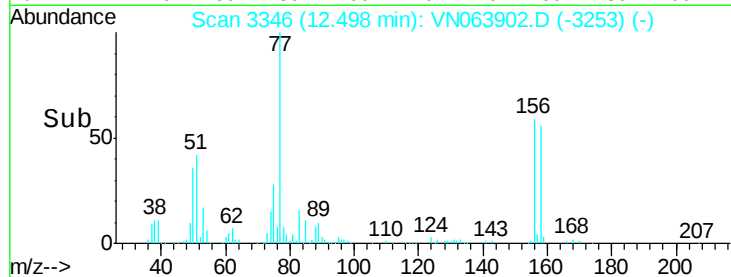
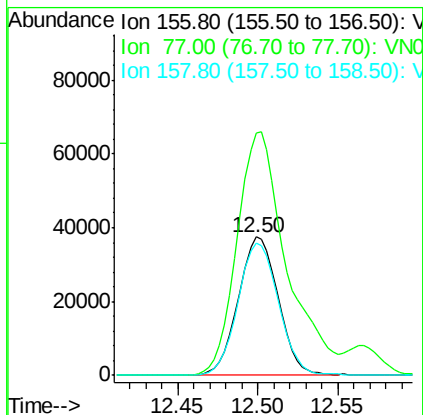
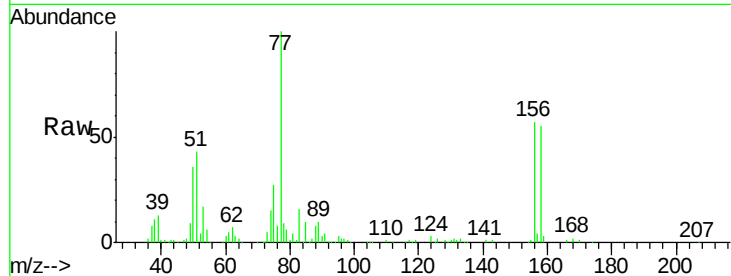
ClientSampleId :

VN1006WBS02

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	219.0	110.9	332.7	
158	96.9	47.7	143.1	

Manual Integrations
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#78

n-propylbenzene

Concen: 17.448 ug/l

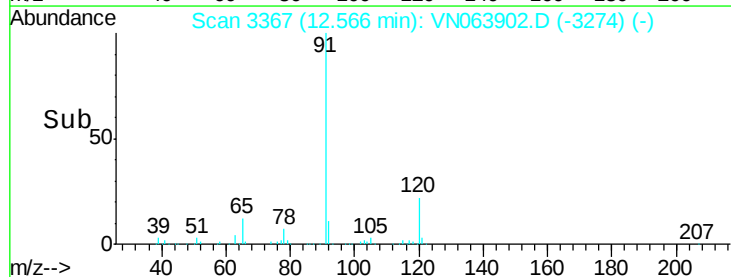
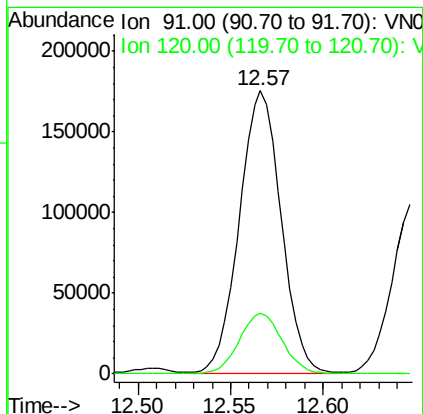
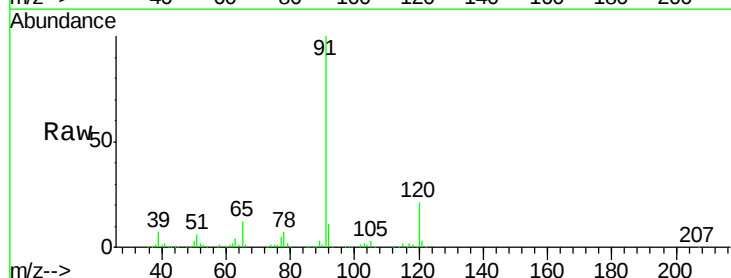
RT: 12.57 min Scan# 3367

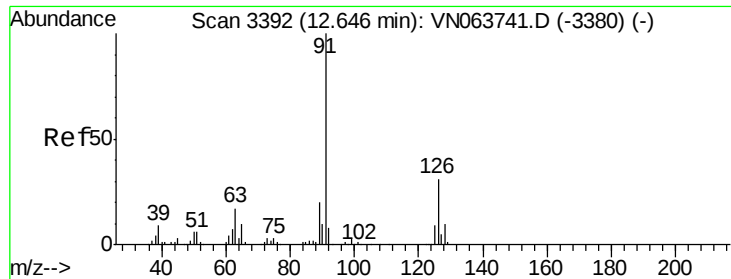
Delta R.T. 0.00 min

Lab File: VN063902.D

Acq: 6 Oct 2020 18:44

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.0	11.1	33.1	





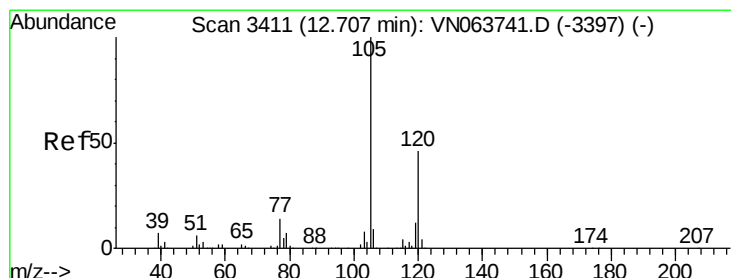
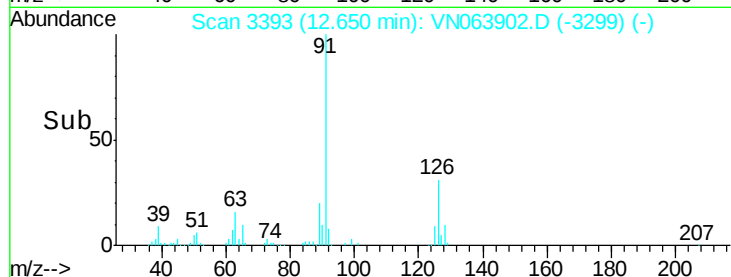
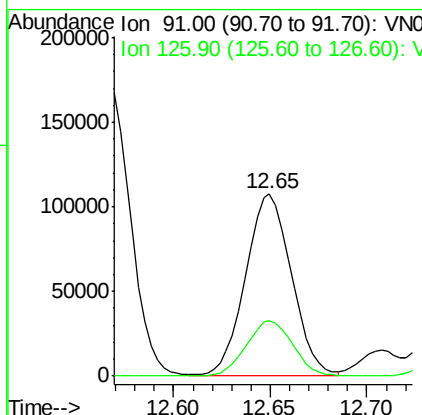
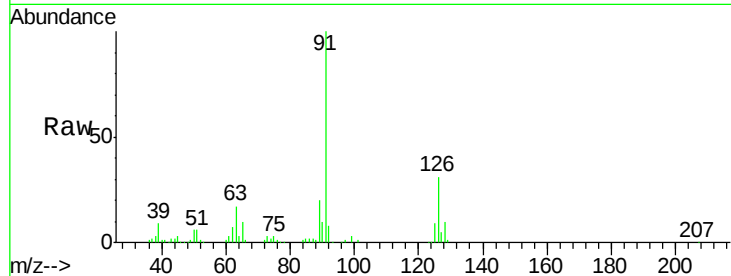
#79
2-Chlorotoluene
Concen: 18.307 ug/l
RT: 12.65 min Scan# 3393
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS02

Tot Ion: 91 Resp: 177816
Ion Ratio Lower Upper
91 100
126 30.9 15.9 47.7

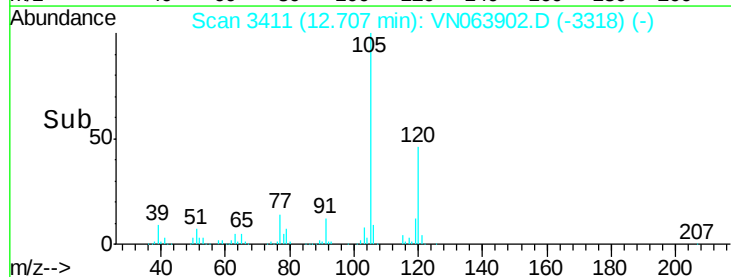
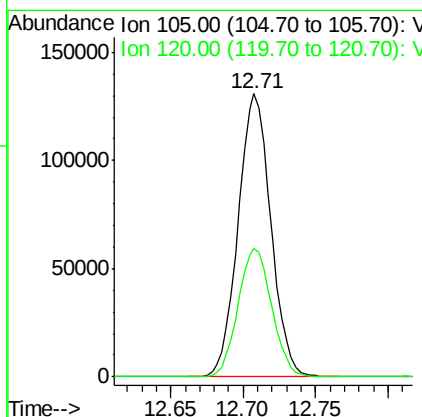
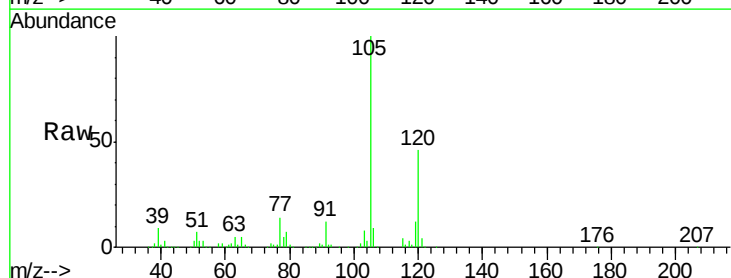
Manual Integrations
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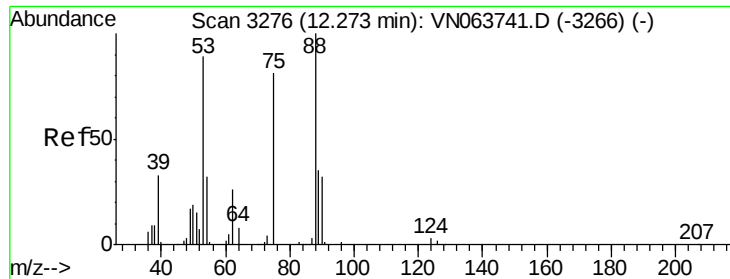
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 18.018 ug/l
RT: 12.71 min Scan# 3411
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Tgt Ion: 105 Resp: 205139
Ion Ratio Lower Upper
105 100
120 46.7 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 18.184 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063902.D

Acq: 6 Oct 2020 18:44

Instrument :

MSVOA_N

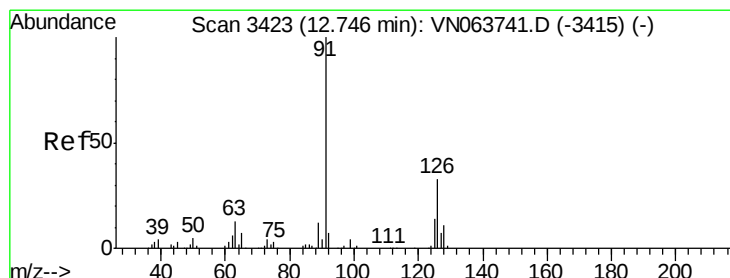
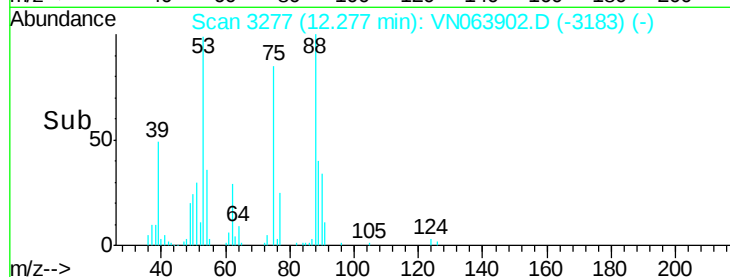
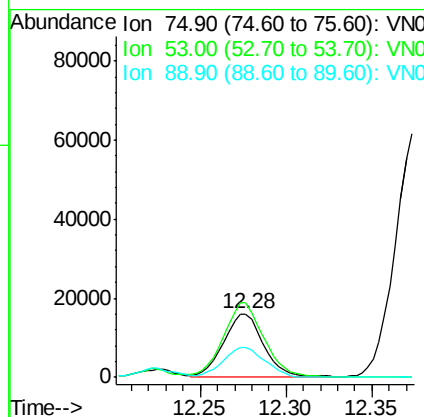
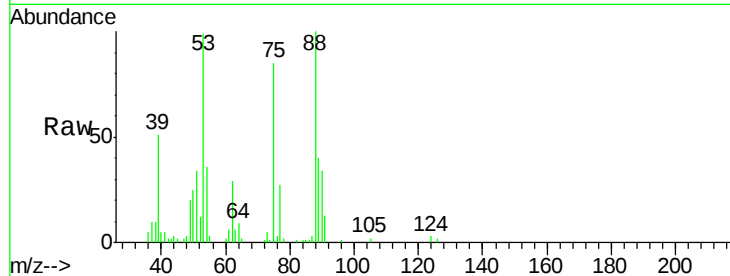
ClientSampled :

VN1006WBS02

Tot Ion:	75	Resp:	25894
Ion	Ratio	Lower	Upper
75	100		
53	117.6	88.2	132.2
89	49.7	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.215 ug/l

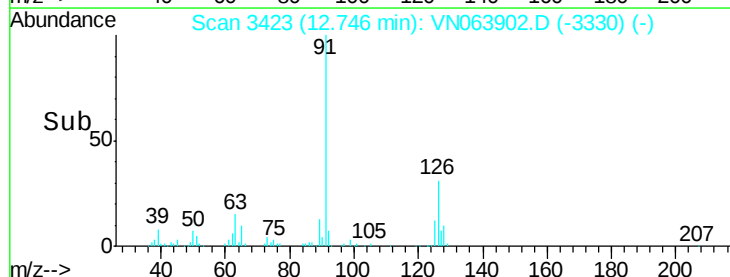
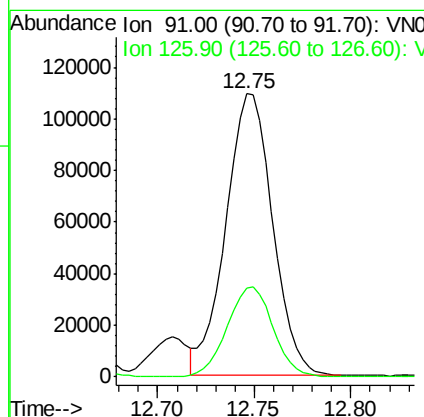
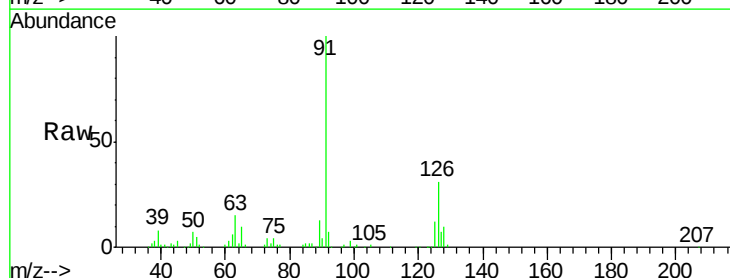
RT: 12.75 min Scan# 3423

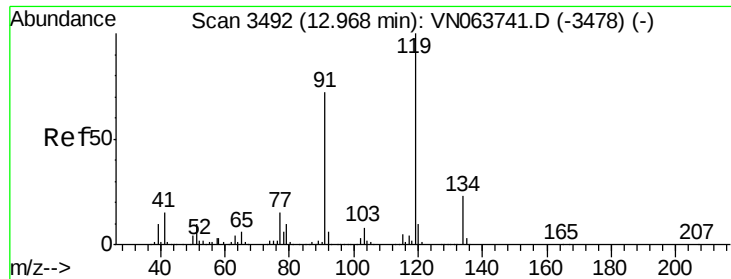
Delta R.T. 0.00 min

Lab File: VN063902.D

Acq: 6 Oct 2020 18:44

Tgt Ion:	91	Resp:	183671
Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.4	46.2





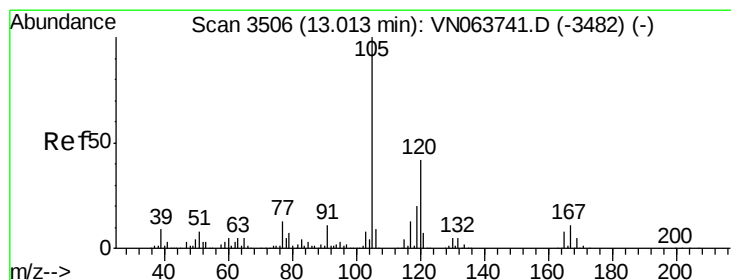
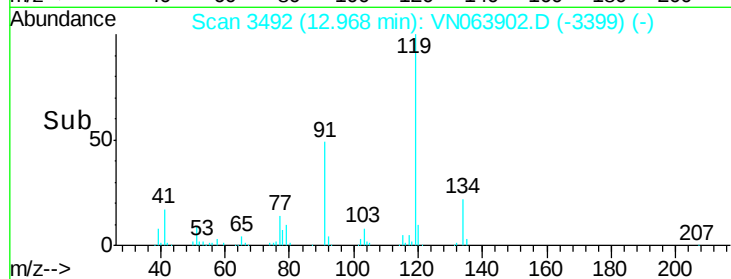
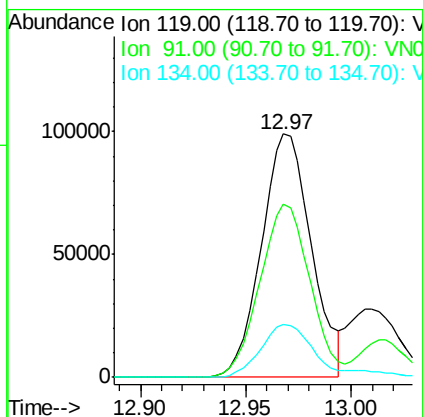
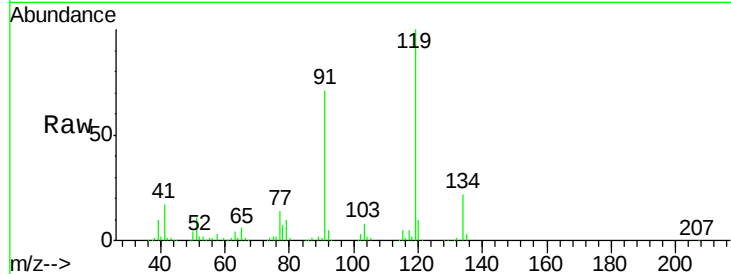
#83
tert-Butylbenzene
Concen: 17.495 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	162928		
91	71.6	35.5	106.5	
134	22.4	11.7	35.1	

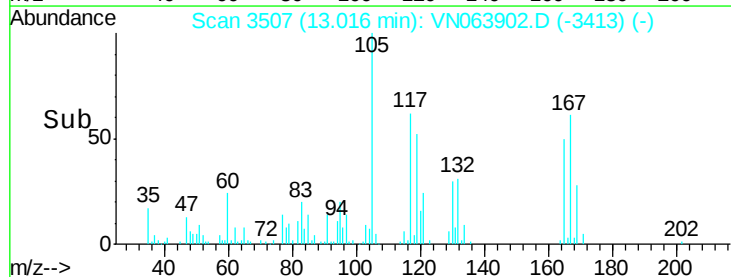
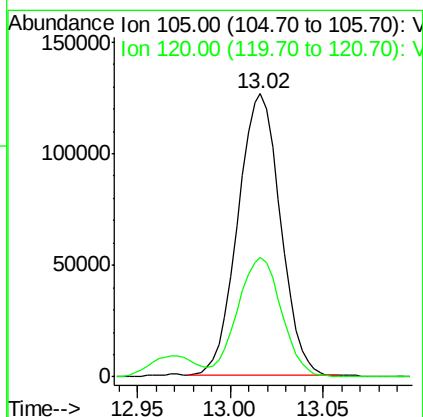
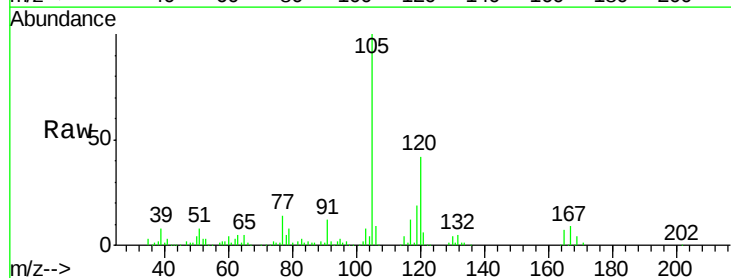
Manual Integrations
APPROVED

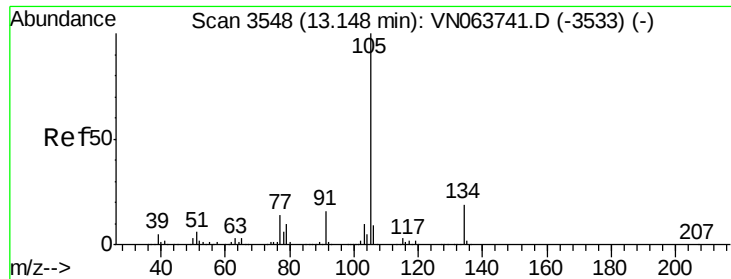
MMDadoda
10/7/2020 12:11:48 PM



#84
1,2,4-Trimethylbenzene
Concen: 17.685 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	201026		
120	43.7	20.9	62.7	





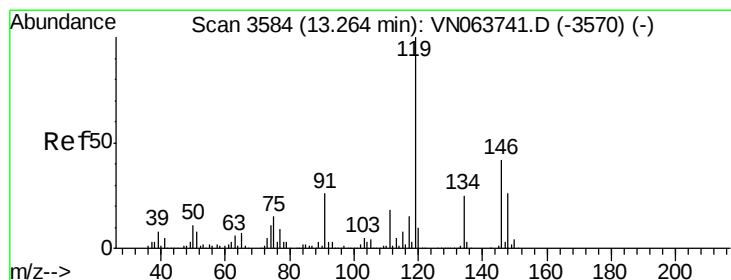
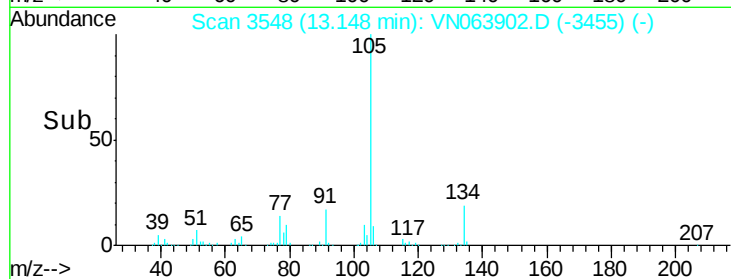
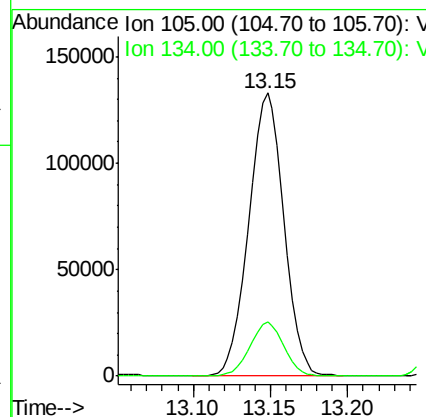
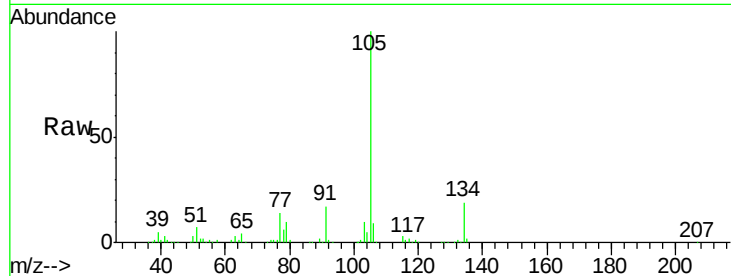
#85
 sec-Butylbenzene
 Concen: 17.124 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063902.D
 Acq: 6 Oct 2020 18:44

Instrument :
 MSVOA_N
 ClientSampled :
 VN1006WBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	209457		
134	18.6	9.5	28.5	

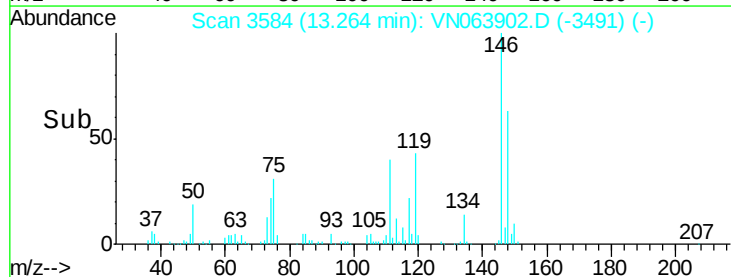
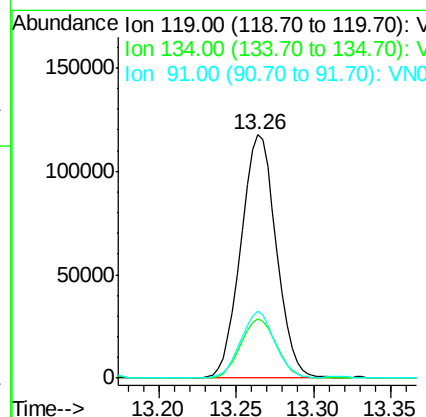
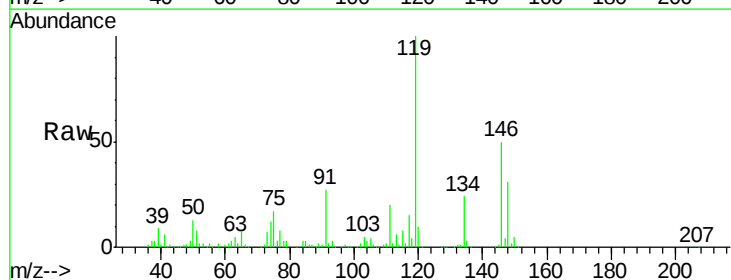
Manual Integrations
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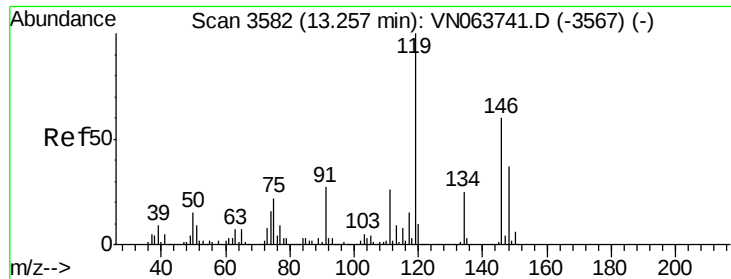
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#86
 p-Isopropyltoluene
 Concen: 17.303 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN063902.D
 Acq: 6 Oct 2020 18:44

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	187233		
134	24.5	12.6	37.8	
91	26.5	13.4	40.2	





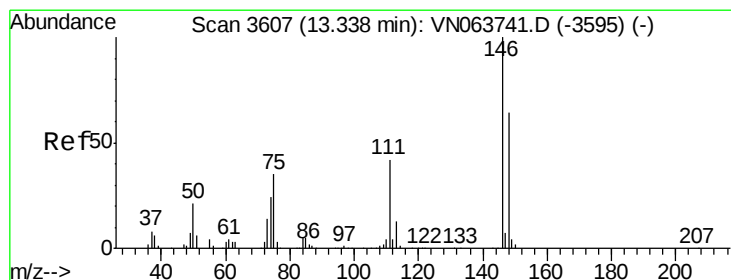
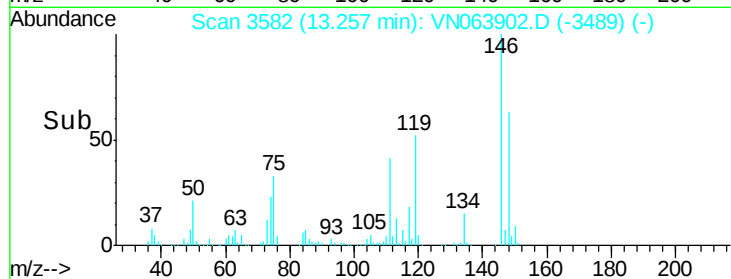
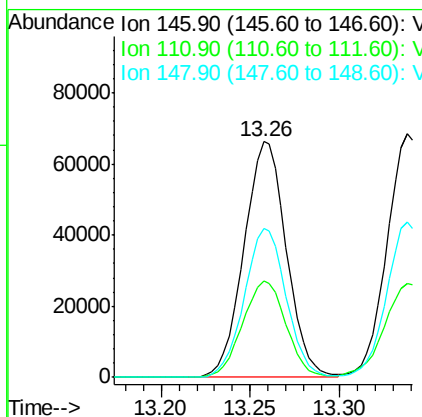
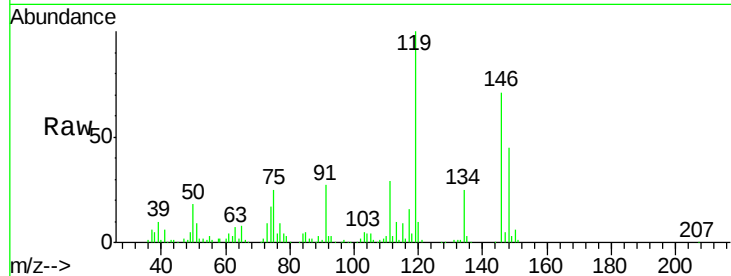
#87
 1,3-Dichlorobenzene
 Concen: 18.254 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063902.D
 Acq: 6 Oct 2020 18:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.5	64.5
148	62.3	31.1	93.3

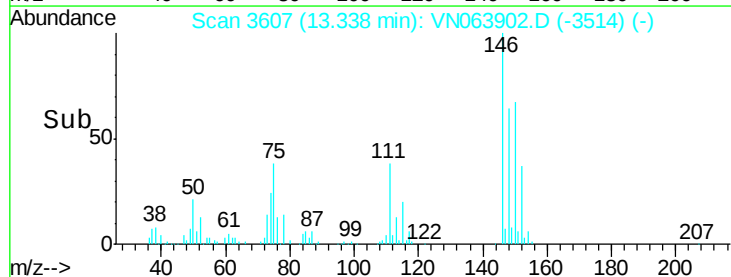
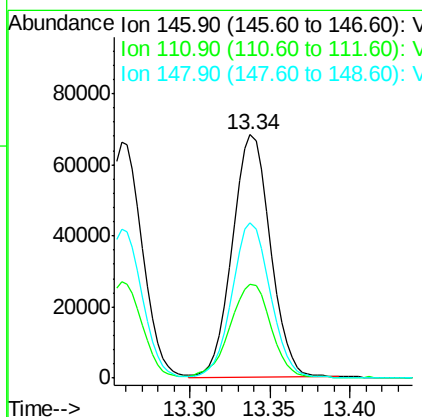
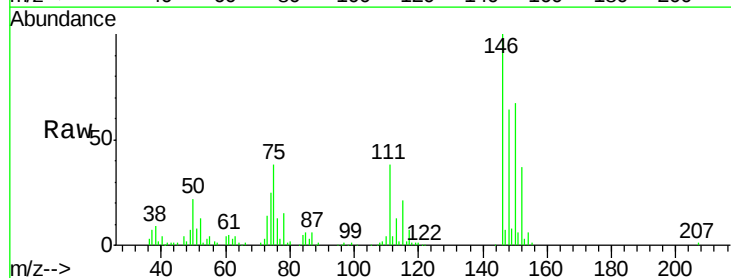
Manual Integrations
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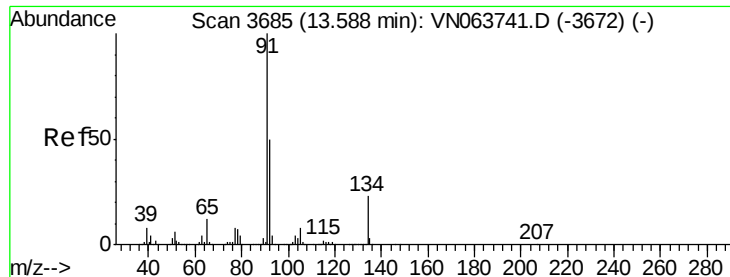
MMDadoda
 10/7/2020 12:11:48 PM



#88
 1,4-Dichlorobenzene
 Concen: 17.628 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063902.D
 Acq: 6 Oct 2020 18:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	63.7
148	63.9	32.0	96.0





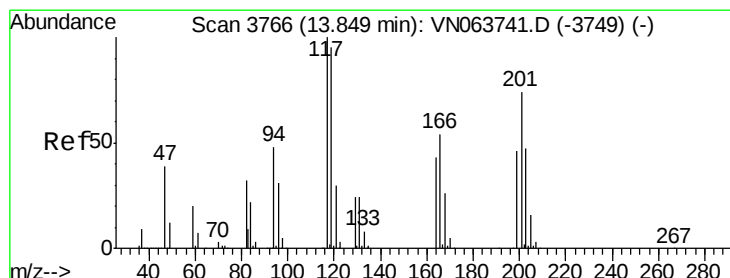
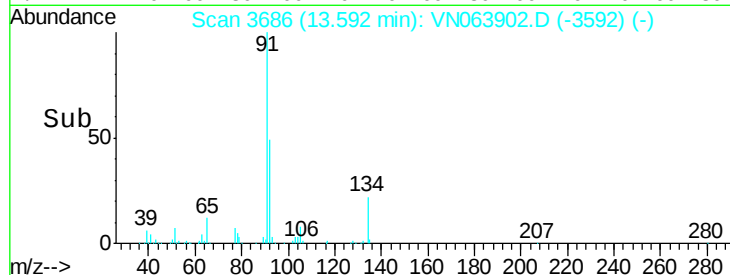
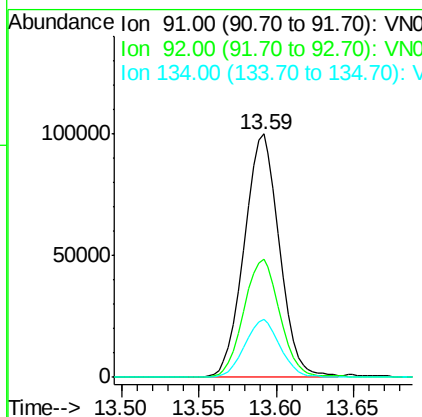
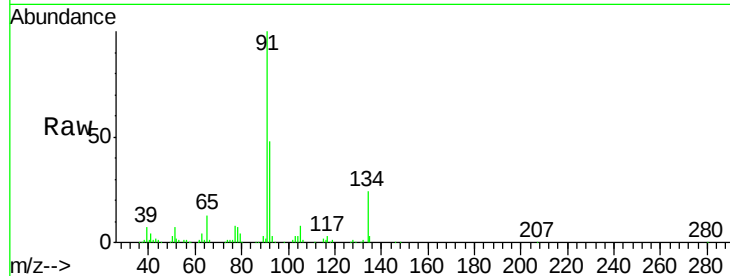
#89
n-Butylbenzene
Concen: 15.930 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.1	25.4	76.4
134	23.7	11.7	35.1

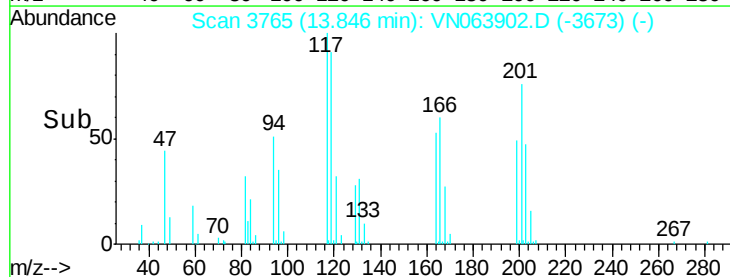
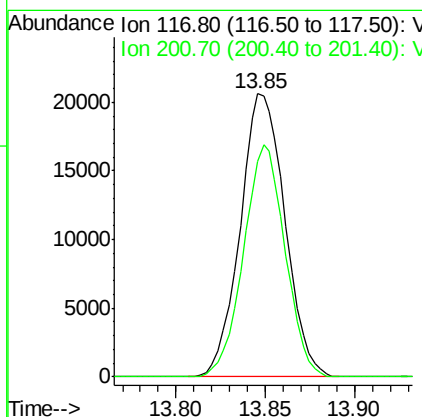
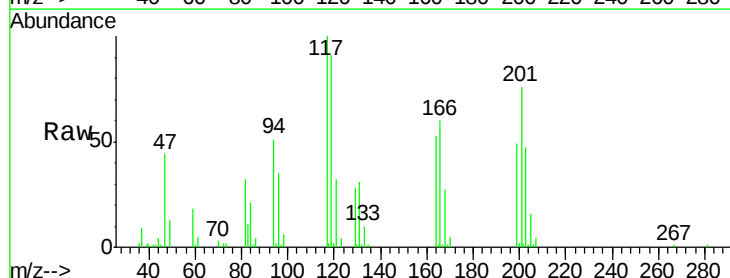
Manual Integrations
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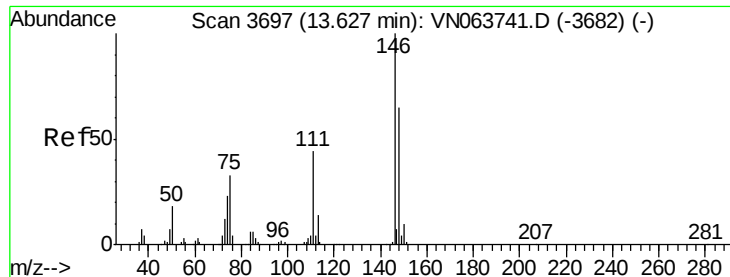
MMDadoda
10/7/2020 12:11:48 PM



#90
Hexachloroethane
Concen: 17.202 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.0	36.0	108.0





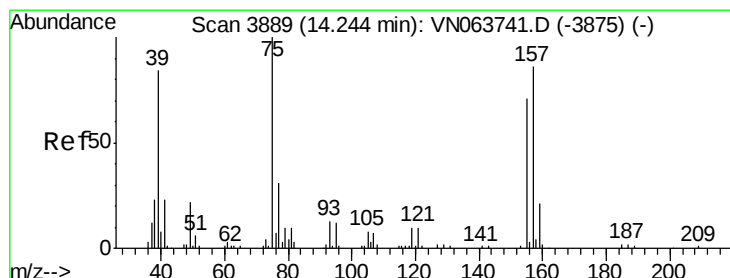
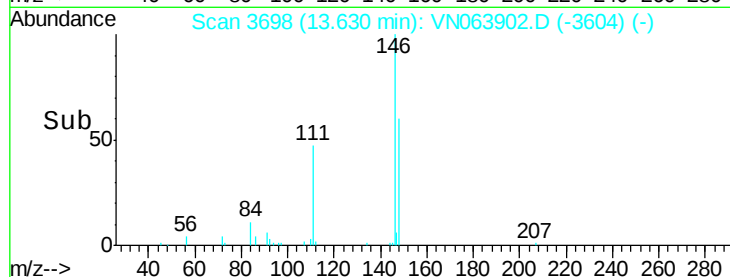
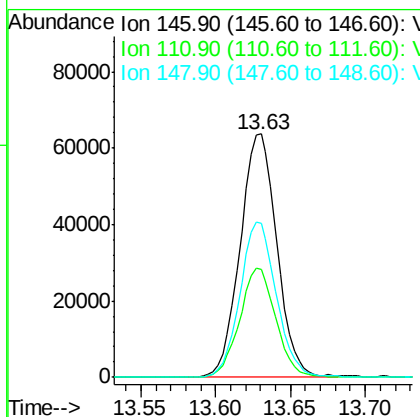
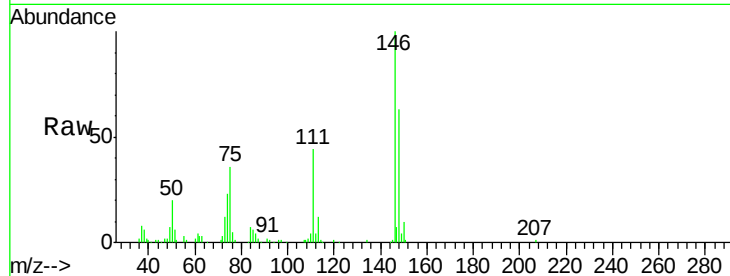
#91
 1,2-Dichlorobenzene
 Concen: 18.234 ug/l
 RT: 13.63 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN063902.D
 Acq: 6 Oct 2020 18:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.2	66.6
148	63.4	32.5	97.4

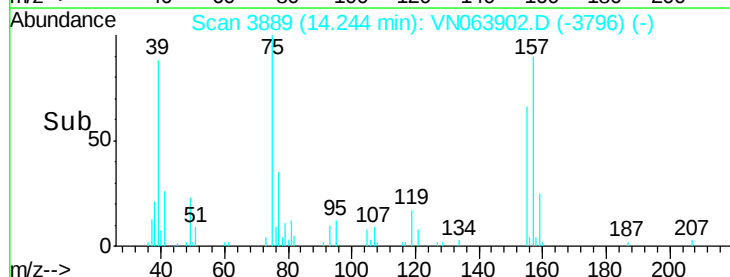
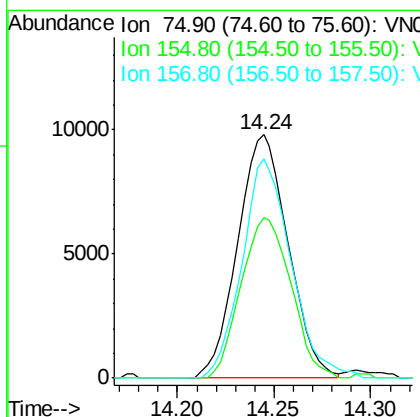
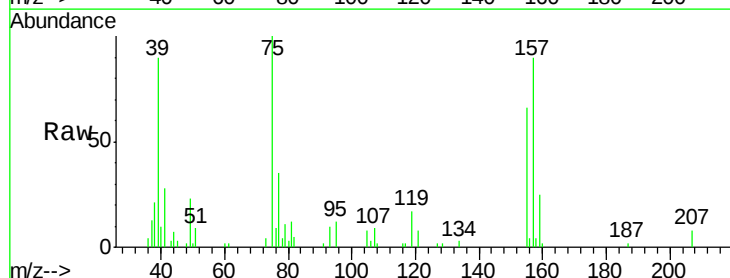
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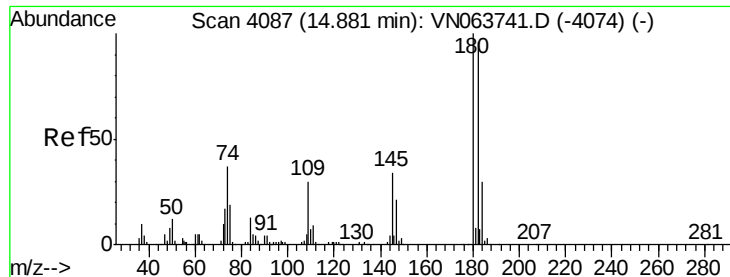
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.343 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063902.D
 Acq: 6 Oct 2020 18:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.1	34.8	104.5
157	87.3	43.7	131.1





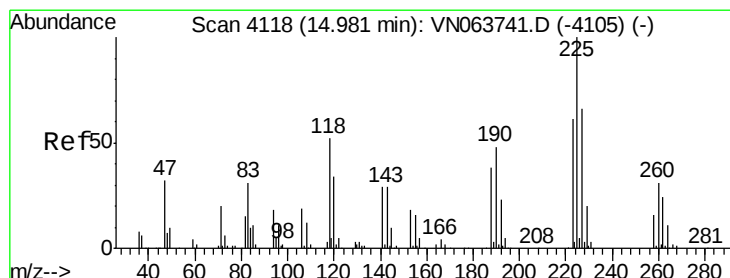
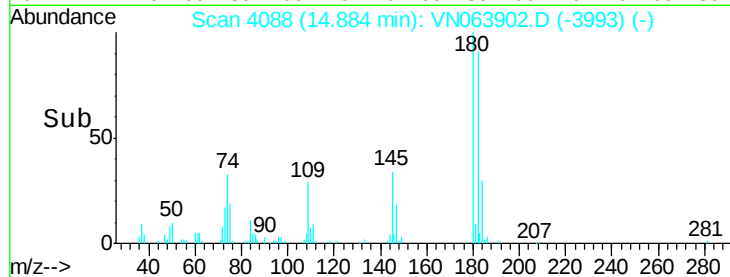
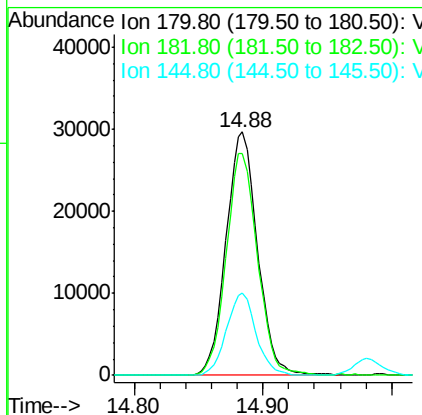
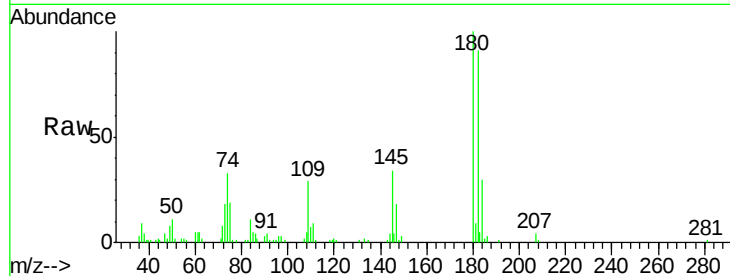
#93
 1,2,4-Trichlorobenzene
 Concen: 16.633 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063902.D
 Acq: 6 Oct 2020 18:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.8	48.2	144.6
145	31.9	17.1	51.2

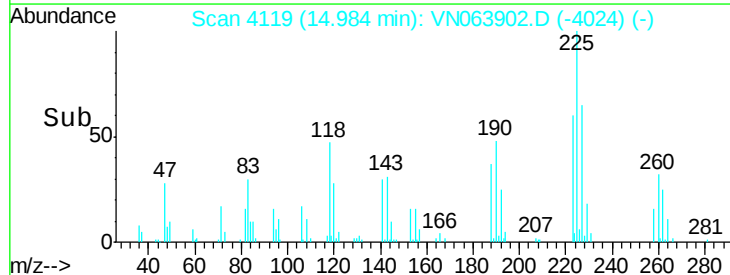
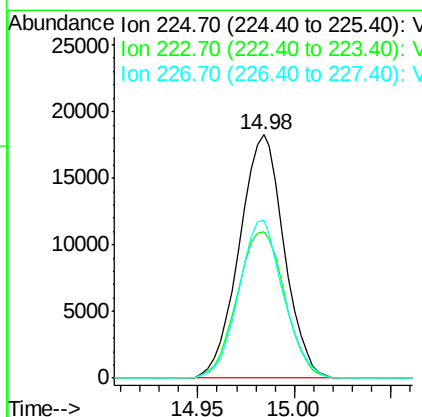
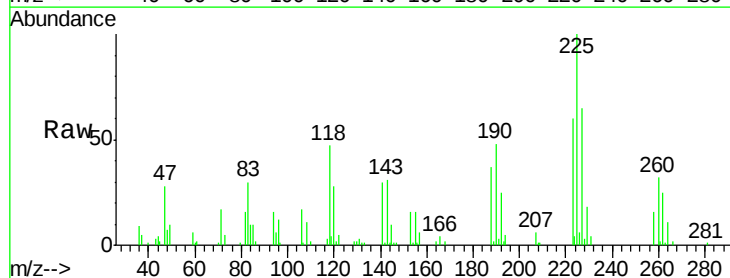
Manual Integrations
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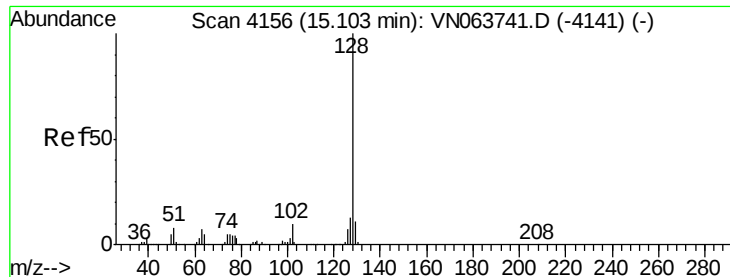
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#94
 Hexachlorobutadiene
 Concen: 18.186 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063902.D
 Acq: 6 Oct 2020 18:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	30.3	91.0
227	64.6	31.9	95.5





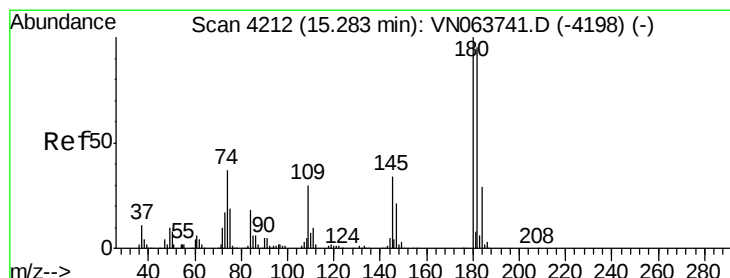
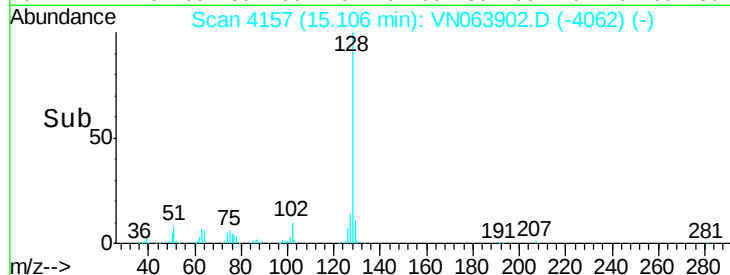
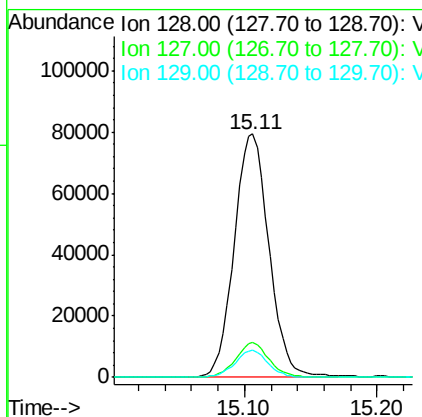
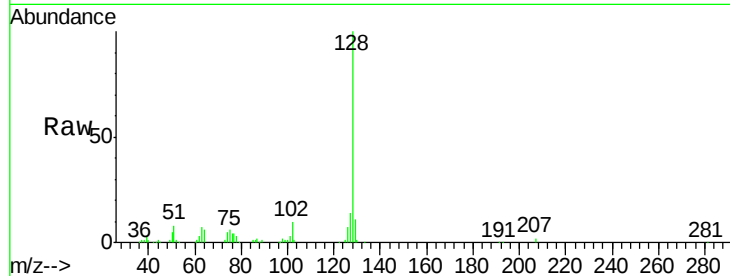
#95
Naphthalene
Concen: 15.776 ug/l
RT: 15.11 min Scan# 4157
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
VN1006WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.5	15.7
129	10.7	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 16.836 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN063902.D
Acq: 6 Oct 2020 18:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.0	47.9	143.6
145	32.8	17.2	51.5

