

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110920\
 Data File : VN064507.D
 Acq On : 9 Nov 2020 13:01
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 11/10/2020 1:10:35 PM

Quant Time: Nov 09 13:21:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 09 12:16:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	73714	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	386679	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	368038	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	184519	30.30	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.00%
60) 4-Bromofluorobenzene	12.38	95	196186	31.33	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	104.43%
63) Toluene-d8	10.06	98	504888	30.28	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	737829	155.558	ug/l 97
3) Chloromethane	2.04	50	836019	166.594	ug/l 99
4) Vinyl Chloride	2.17	62	911173	174.734	ug/l 98
5) Bromomethane	2.52	94	556814	162.827	ug/l 96
6) Chloroethane	2.67	64	560902	181.050	ug/l 97
7) Trichlorofluoromethane	2.98	101	1257503	149.888	ug/l 95
8) Diethyl Ether	3.37	74	449925	167.705	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	603102	144.783	ug/l 51
10) 1,1-Dichloroethene	3.69	96	594365	149.642	ug/l 96
11) Methyl Iodide	3.91	142	799960	152.491	ug/l 98
12) Methyl Acetate	4.28	43	727473	170.149	ug/l 100
13) Acrolein	3.57	56	408759	1009.784	ug/l 98
14) Acrylonitrile	4.94	53	1667103	876.468	ug/l 100
15) Acetone	3.78	58	467549	712.519	ug/l 98
16) Carbon Disulfide	4.00	76	1809600	158.288	ug/l 99
17) Allyl chloride	4.27	41	1179690	167.221	ug/l 97
18) Methylene Chloride	4.50	84	703532	152.452	ug/l 96
19) trans-1,2-Dichloroethene	4.99	96	686457	156.683	ug/l 98
20) Diisopropyl ether	5.91	45	2605860	173.802	ug/l 95
21) 1,1-Dichloroethane	5.80	63	1341632	158.561	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	801108	156.750	ug/l 93
23) tert-Butyl Alcohol	4.75	59	542487	762.178	ug/l # 100
24) Methyl tert-Butyl Ether	5.00	73	2216286	157.433	ug/l # 75
25) Chloroform	7.33	83	1405122	154.897	ug/l 98
26) Cyclohexane	7.61	56	1121133	167.806	ug/l # 100
29) 1,1-Dichloropropene	7.75	75	1070495	169.312	ug/l 98
30) 2-Butanone	6.79	43	2465560	852.471	ug/l # 81
31) 2,2-Dichloropropane	6.78	77	1213672	157.763	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	1268597	155.977	ug/l 97
33) Carbon Tetrachloride	7.73	117	1121979	153.310	ug/l 99
34) Benzene	8.00	78	3043713	170.380	ug/l # 88
35) Methacrylonitrile	7.13	41	499610	177.300	ug/l 95
36) 1,2-Dichloroethane	8.09	62	1181069	160.269	ug/l 98
37) Trichloroethene	8.80	130	764848	155.229	ug/l 99
38) Methylcyclohexane	9.05	83	1002912	176.464	ug/l 98
39) 1,2-Dichloropropane	9.08	63	813059	175.103	ug/l 100
40) Dibromomethane	9.17	93	544345	164.304	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	1175459	167.360	ug/l	100
42) Vinyl Acetate	5.85	43	10447942	863.081	ug/l	98
43) Ethyl Acetate	6.89	43	1020818	181.723	ug/l	97
44) Isopropyl Acetate	8.13	43	1784913	181.695	ug/l	94
45) 1,4-Dioxane	9.17	88	228426	3254.901	ug/l	99
46) Methyl methacrylate	9.17	41	886479	182.621	ug/l	95
47) n-amyl Acetate	12.05	43	1697031	202.628	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	1335864	173.364	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	1379950	173.214	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	743152	167.388	ug/l	98
51) Ethyl methacrylate	10.40	69	1198384	188.296	ug/l	95
52) 1,3-Dichloropropane	10.68	76	1320107	176.540	ug/l	99
53) Dibromochloromethane	10.87	129	893367	164.859	ug/l	99
54) 1,2-Dibromoethane	10.98	107	789468	167.858	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	3009774	868.147	ug/l	99
56) Bromoform	12.10	173	602867	158.529	ug/l	98
58) 4-Methyl-2-Pentanone	9.96	43	5049147	846.510	ug/l	95
59) 2-Hexanone	10.72	43	3879521	876.464	ug/l	94
61) Tetrachloroethene	10.60	164	694117	141.505	ug/l	97
62) Toluene	10.13	91	3340271	160.968	ug/l	98
64) Chlorobenzene	11.41	112	2043795	159.012	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	790127	158.571	ug/l	99
66) Ethyl Benzene	11.48	91	3751298	165.600	ug/l	97
67) m/p-Xylenes	11.60	106	2855556	334.888	ug/l	91
68) o-Xylene	11.92	106	1358839	166.183	ug/l	99
69) Styrene	11.94	104	2398204	174.729	ug/l	97
70) Isopropylbenzene	12.22	105	3521755	166.147	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	1077813	178.105	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	1129157m	181.092	ug/l	
73) Bromobenzene	12.50	156	852881	157.095	ug/l	98
74) n-propylbenzene	12.57	91	4076537	173.168	ug/l	97
75) 2-Chlorotoluene	12.65	91	2576994	173.067	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	2994994	169.997	ug/l	96
77) t-1,4-Dichloro-2-butene	12.27	75	423973	191.168	ug/l	100
78) 4-Chlorotoluene	12.75	91	2749511	177.794	ug/l	99
79) tert-butylbenzene	12.97	119	2412378	174.185	ug/l	95
80) 1,2,4-Trimethylbenzene	13.01	105	3062804	172.631	ug/l	99
81) sec-Butylbenzene	13.14	105	3127124	175.569	ug/l	100
82) p-Isopropyltoluene	13.26	119	2893300	177.754	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	1566632	167.832	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	1562869	167.106	ug/l	98
85) n-Butylbenzene	13.59	91	2564522	196.499	ug/l	98
86) Hexachloroethane	13.85	117	541080	174.156	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	1510799	168.463	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	234659	179.731	ug/l	97
89) 1,2,4-Trichlorobenzene	14.88	180	761326	176.399	ug/l	97
90) Hexachlorobutadiene	14.98	225	314157	136.821	ug/l	97
91) Naphthalene	15.10	128	2556767	195.586	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	751227	173.042	ug/l	98

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ClientSampleId :
VSTDICC150

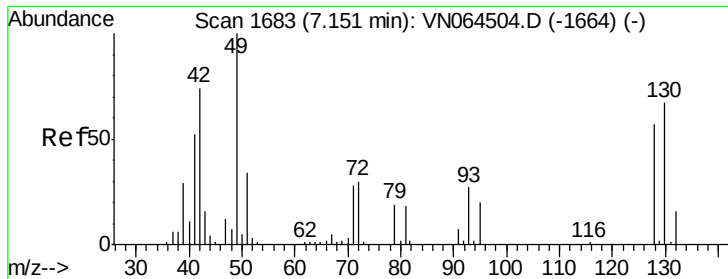
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



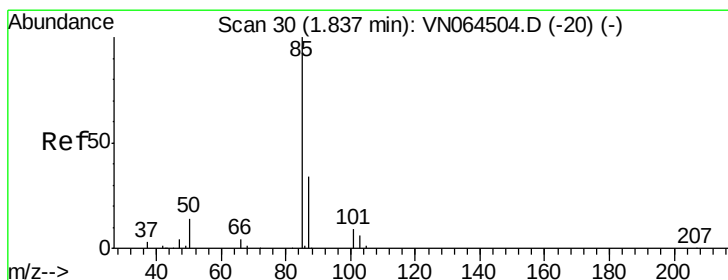
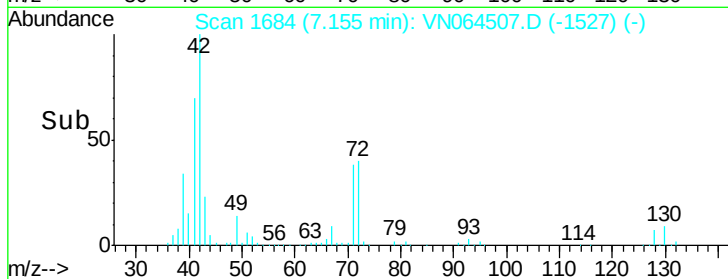
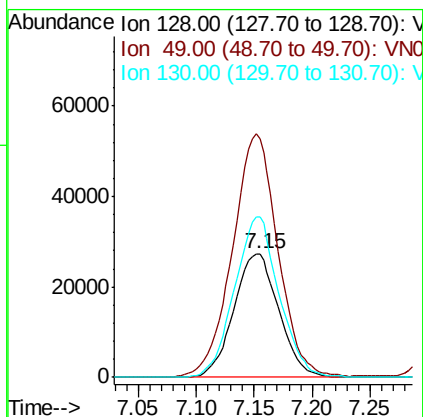
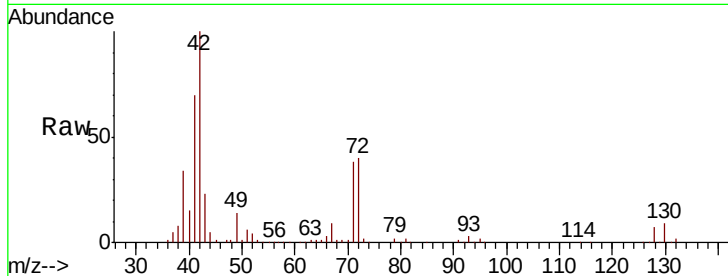
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.15 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN064507.D
Acq: 9 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
49	199.4	0.0	475.5
130	128.8	0.0	315.3

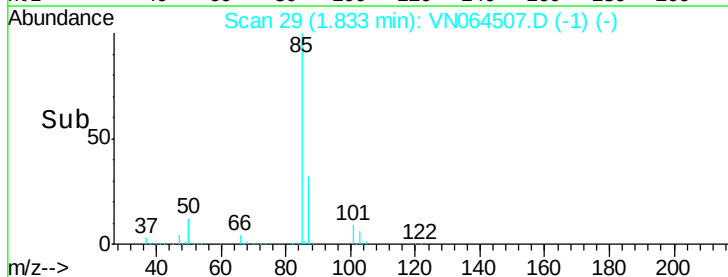
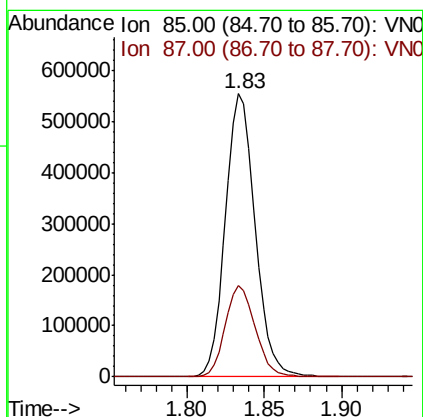
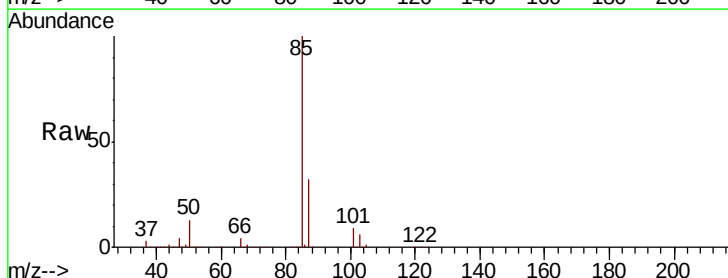
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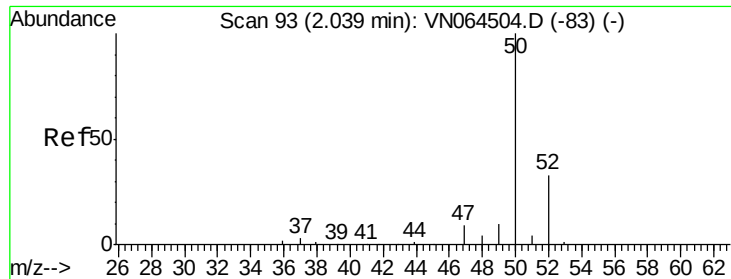
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#2
Dichlorodifluoromethane
Concen: 155.558 ug/l
RT: 1.83 min Scan# 29
Delta R.T. -0.00 min
Lab File: VN064507.D
Acq: 9 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.1	17.0	50.9





#3

Chloromethane

Concen: 166.594 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064507.D

Acq: 9 Nov 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 836019

Ion Ratio Lower Upper

50 100

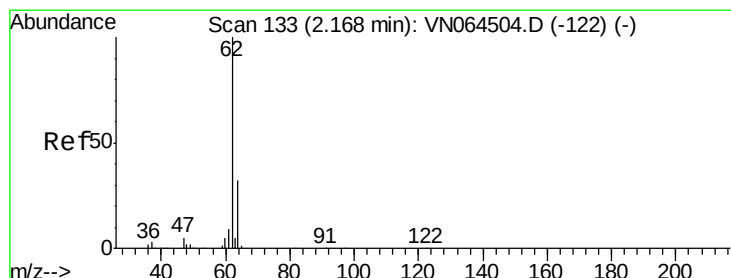
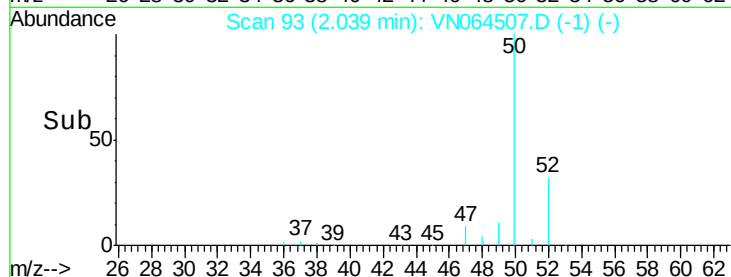
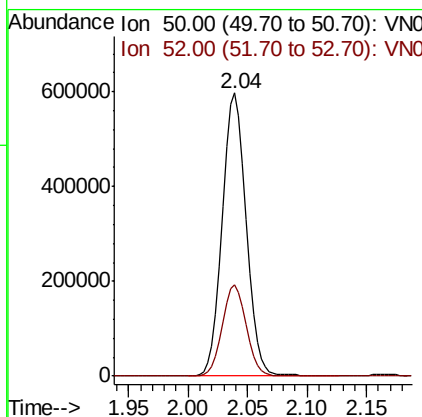
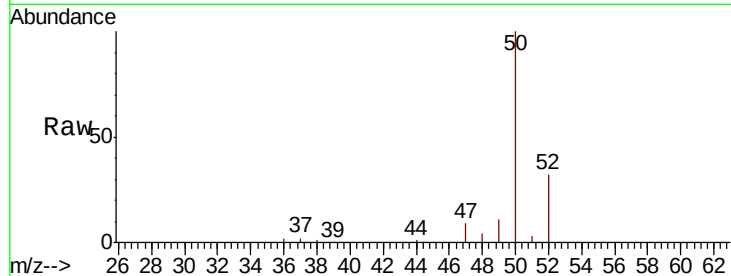
52 32.2 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 174.734 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064507.D

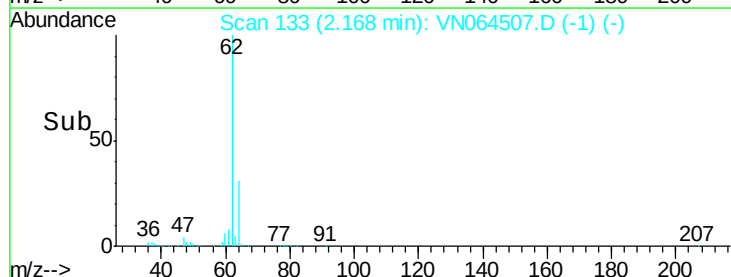
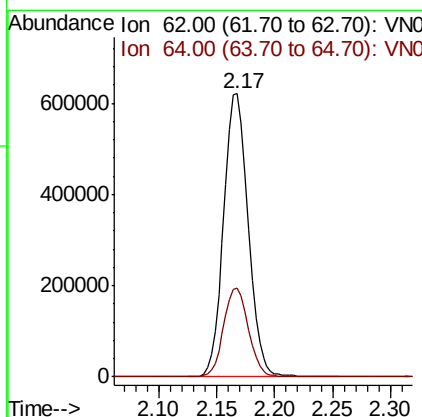
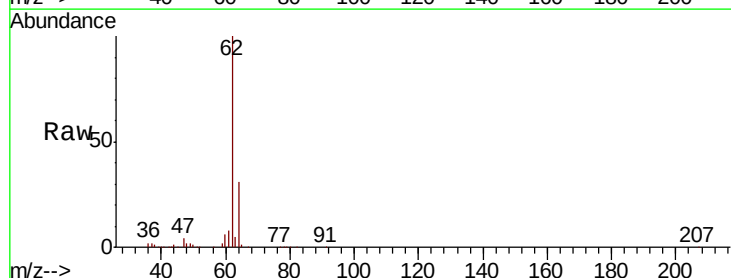
Acq: 9 Nov 2020 13:01

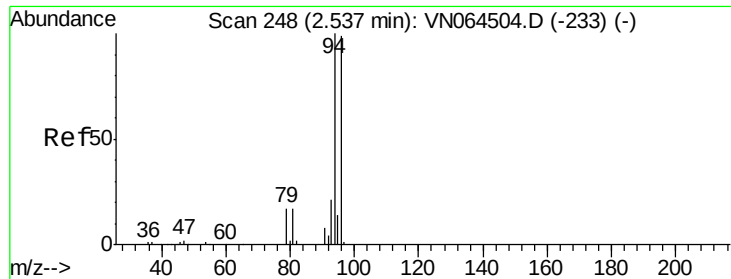
Tgt Ion: 62 Resp: 911173

Ion Ratio Lower Upper

62 100

64 31.4 25.8 38.8





#5

Bromomethane

Concen: 162.827 ug/l

RT: 2.52 min Scan# 242

Delta R.T. -0.02 min

Lab File: VN064507.D

Acq: 9 Nov 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 556814

Ion Ratio Lower Upper

94 100

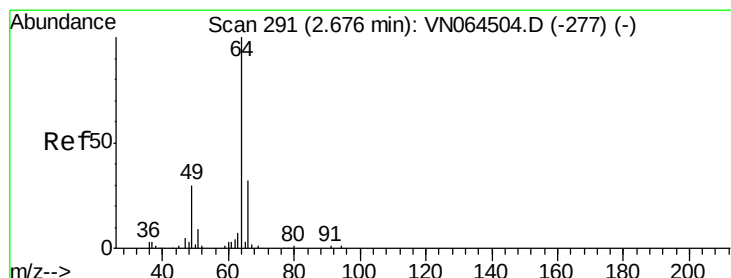
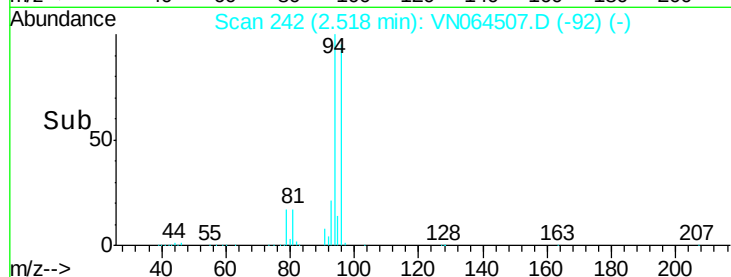
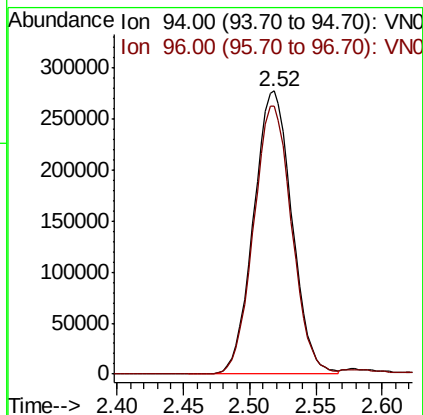
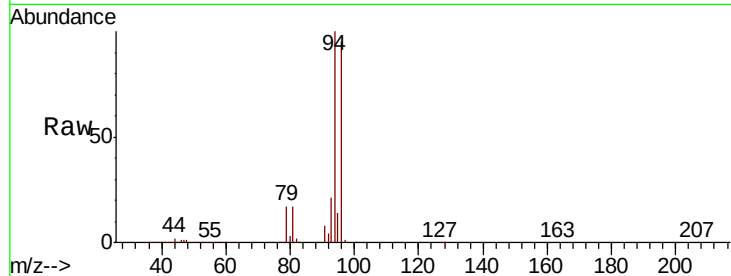
96 94.9 79.3 118.9

Manual Integrations

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#6

Chloroethane

Concen: 181.050 ug/l

RT: 2.67 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN064507.D

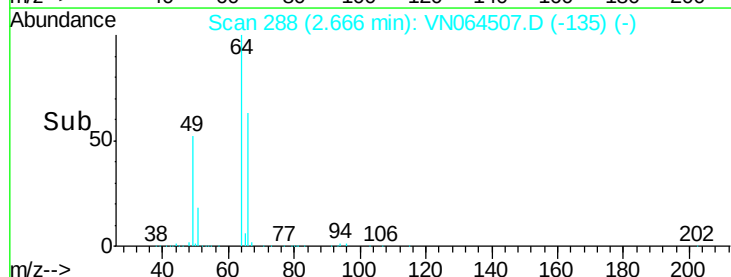
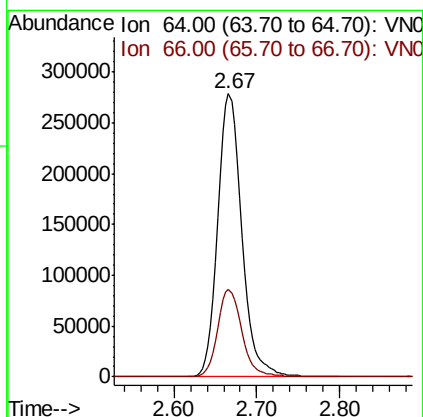
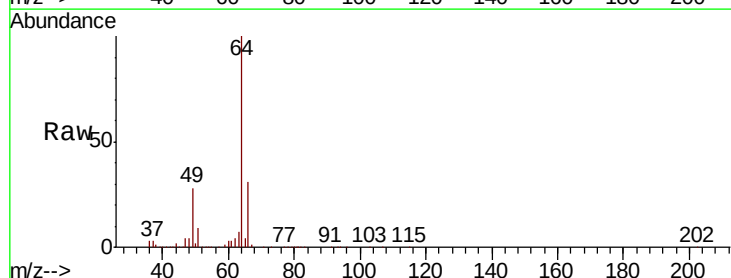
Acq: 9 Nov 2020 13:01

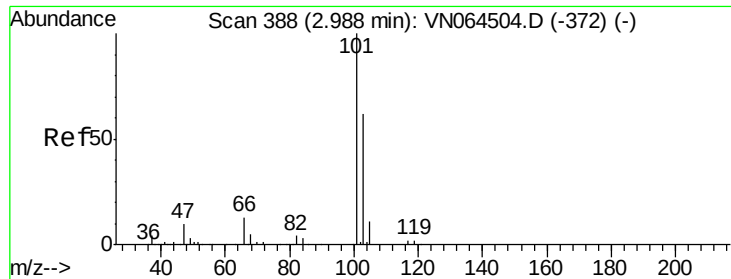
Tgt Ion: 64 Resp: 560902

Ion Ratio Lower Upper

64 100

66 30.7 26.0 39.0





#7

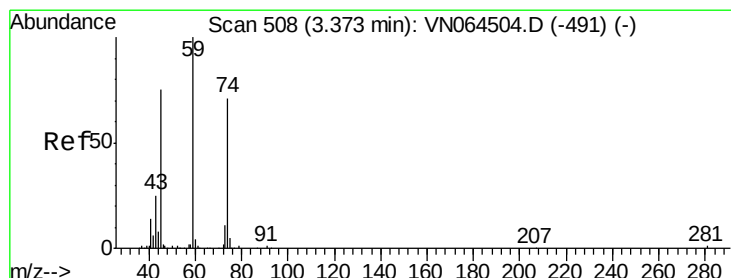
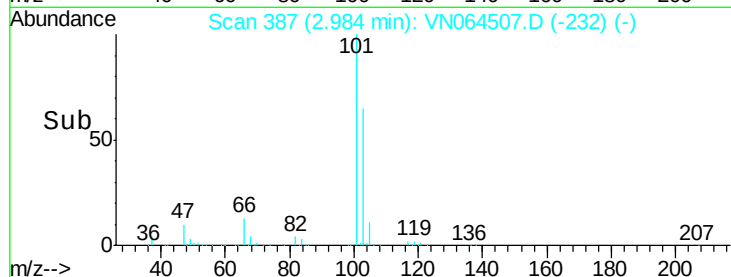
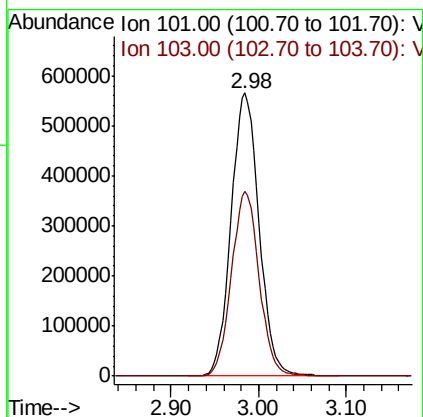
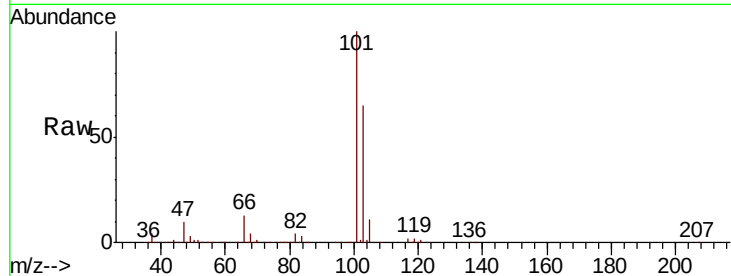
Trichlorofluoromethane
 Concen: 149.888 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN064507.D
 Acq: 9 Nov 2020 13:01

Instrument :
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 ClientSampleId :
 VSTDIC150

Tot Ion:101 Resp: 1257503
 Ion Ratio Lower Upper
 101 100
 103 65.3 49.3 73.9

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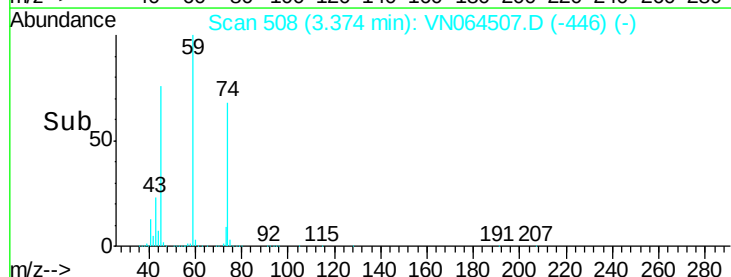
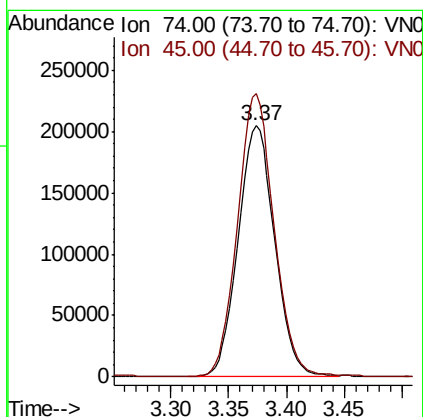
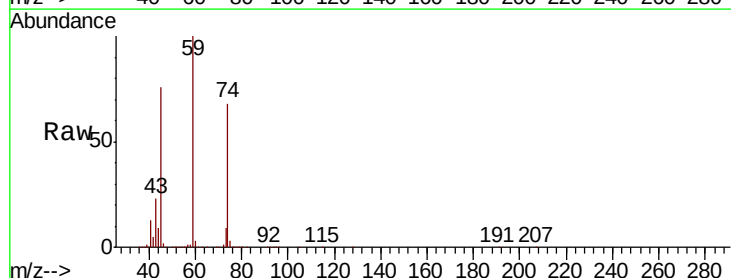
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 11/10/2020 1:10:35 PM

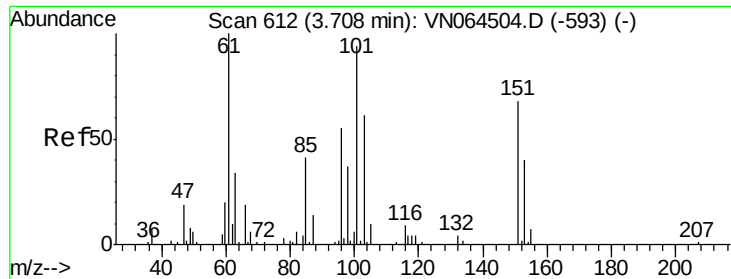


#8

Diethyl Ether
 Concen: 167.705 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN064507.D
 Acq: 9 Nov 2020 13:01

Tgt Ion: 74 Resp: 449925
 Ion Ratio Lower Upper
 74 100
 45 111.5 22.1 198.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 144.783 ug/l

RT: 3.71 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN064507.D

Acq: 9 Nov 2020 13:01

Instrument :

MSVOA_N

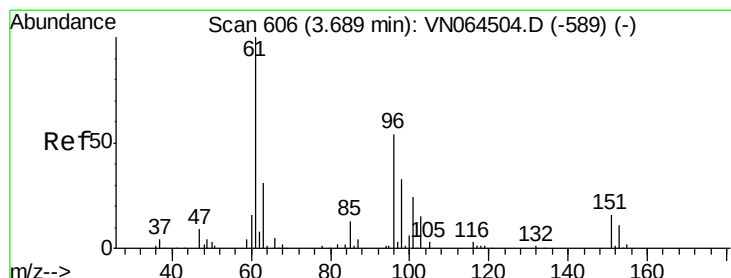
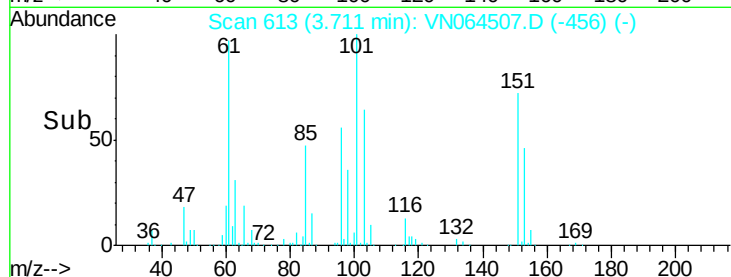
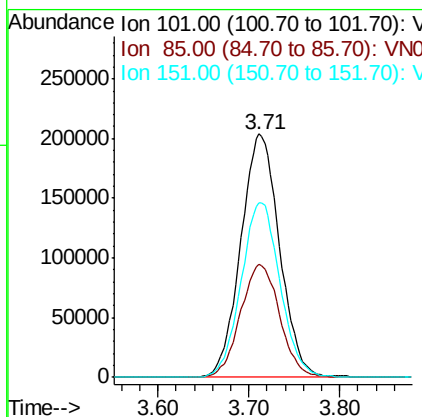
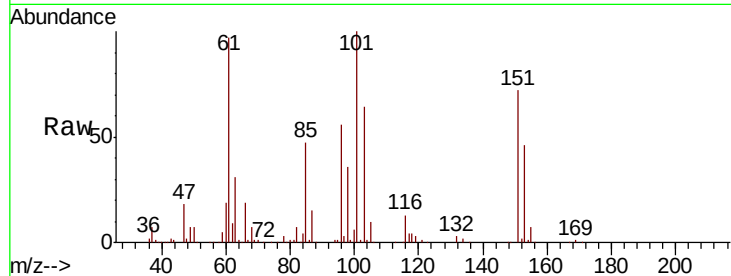
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	603102
Ion Ratio	Lower	Upper	
101	100		
85	46.9	0.0	49.0
151	72.3	0.0	80.2

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 149.642 ug/l

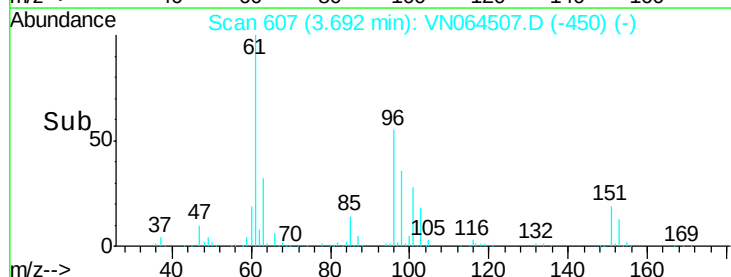
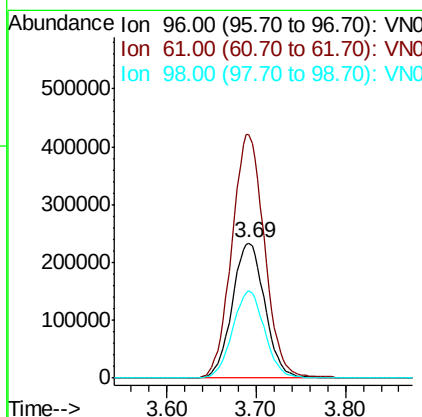
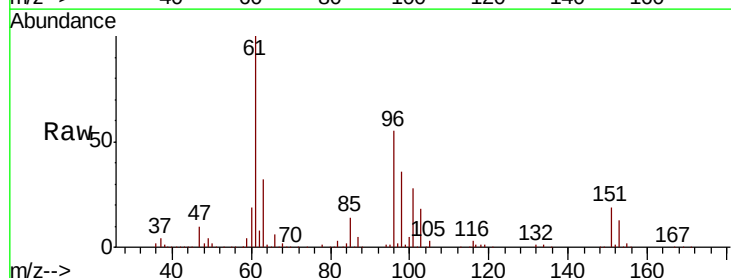
RT: 3.69 min Scan# 607

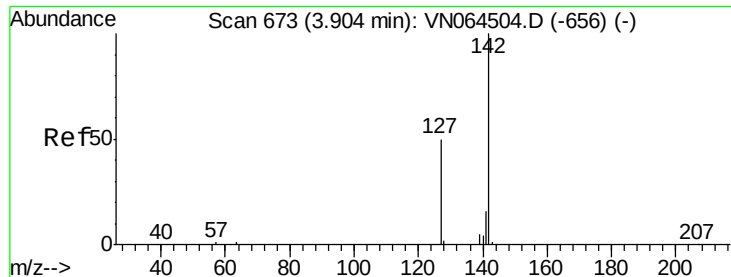
Delta R.T. 0.00 min

Lab File: VN064507.D

Acq: 9 Nov 2020 13:01

Tgt Ion:	96	Resp:	594365
Ion Ratio	Lower	Upper	
96	100		
61	180.4	149.2	223.8
98	64.4	49.6	74.4





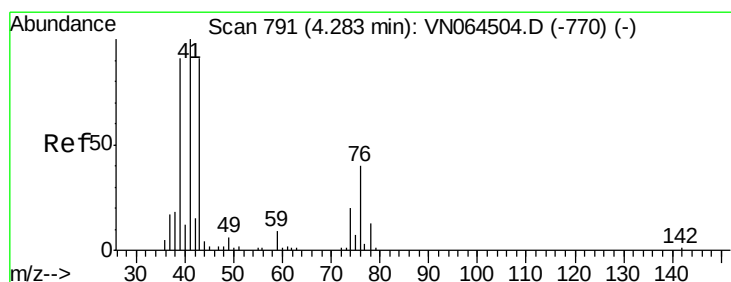
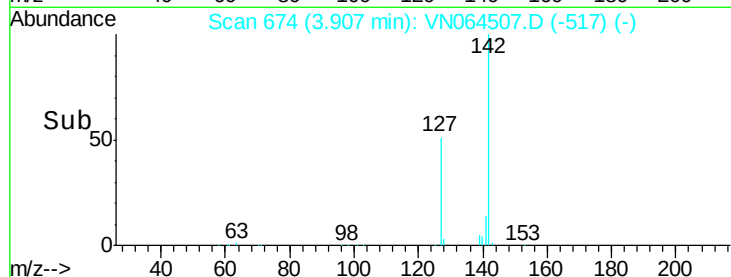
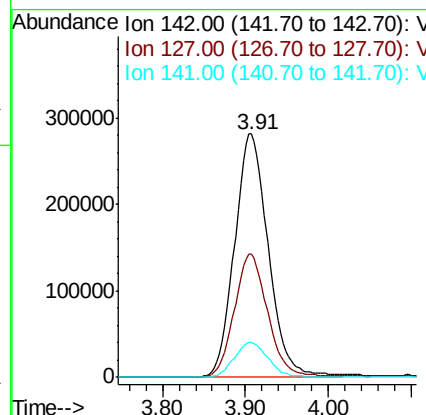
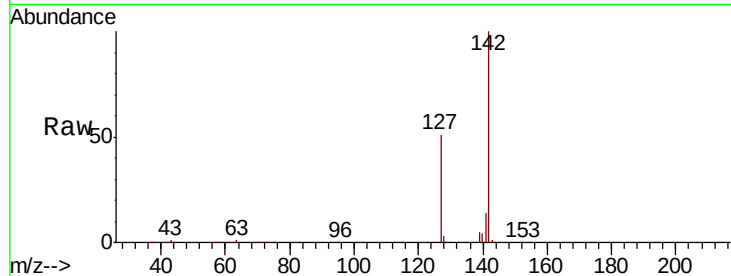
#11
Methvl Iodide
Concen: 152.491 ug/l
RT: 3.91 min Scan# 674
Delta R.T. 0.00 min
Lab File: VN064507.D
Acq: 9 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	50.8	24.7	74.1
141	14.4	7.8	23.3

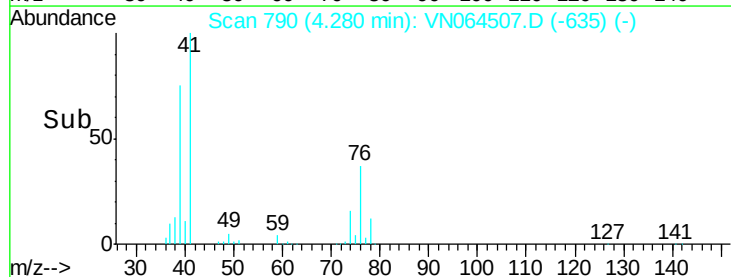
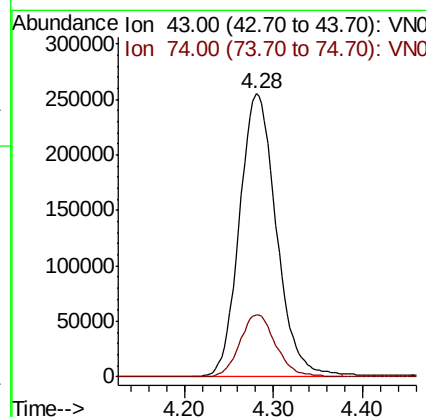
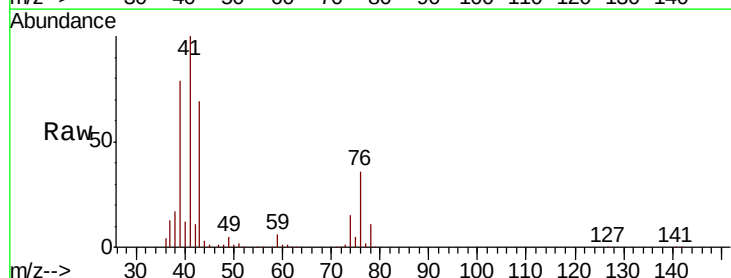
Manual Integrations
APPROVED

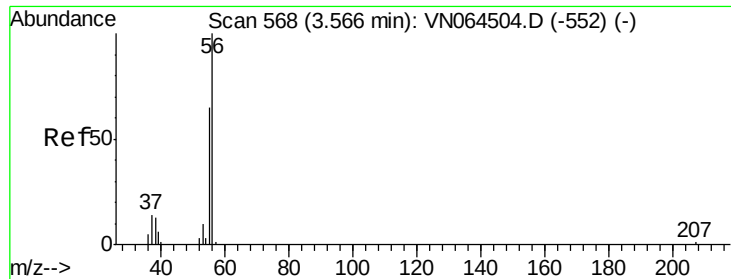
MMDadoda
11/10/2020 1:10:35 PM



#12
Methyl Acetate
Concen: 170.149 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN064507.D
Acq: 9 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.7	26.5





#13

Acrolein

Concen: 1009.784 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064507.D

Acq: 9 Nov 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 408759

Ion Ratio Lower Upper

56 100

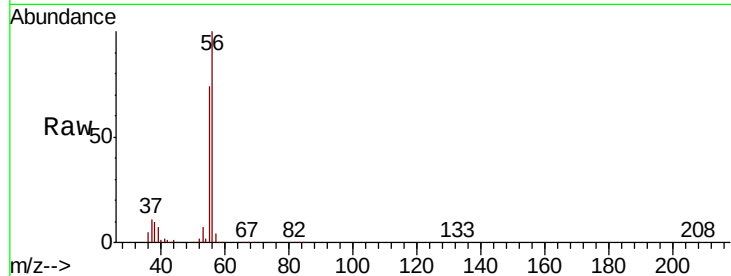
55 70.7 58.2 87.2

Manual Integrations

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MMDadoda

11/10/2020 1:10:35 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.57

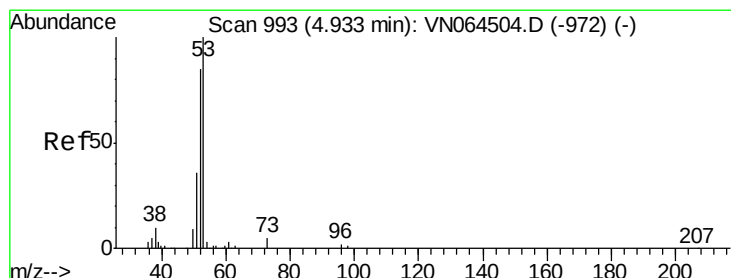
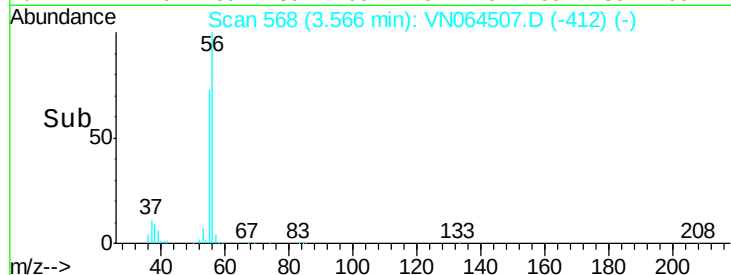
150000

100000

50000

0

Time--> 3.45 3.50 3.55 3.60 3.65



#14

Acrylonitrile

Concen: 876.468 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN064507.D

Acq: 9 Nov 2020 13:01

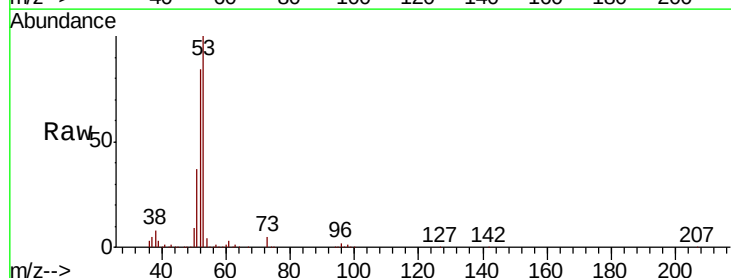
Tgt Ion: 53 Resp: 1667103

Ion Ratio Lower Upper

53 100

52 82.4 41.3 124.1

51 37.3 18.9 56.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

4.94

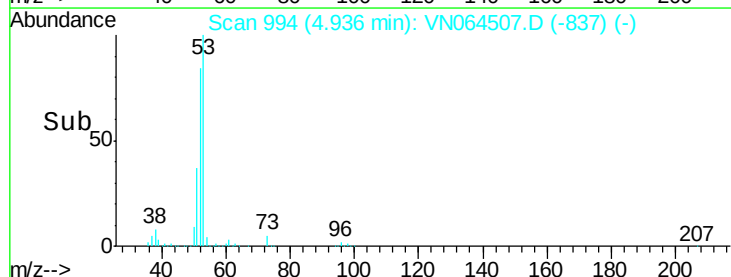
600000

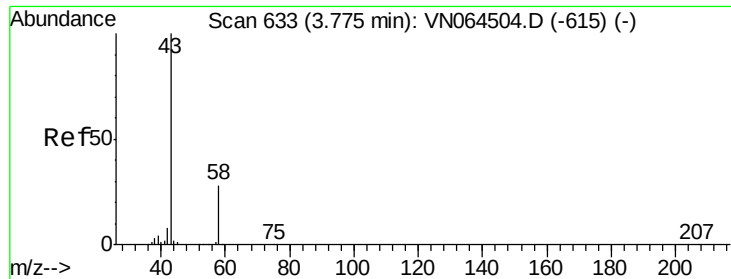
400000

200000

0

Time--> 4.80 4.90 5.00 5.10





#15

Acetone

Concen: 712.519 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064507.D

Acq: 9 Nov 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 58 Resp: 467549

Ion Ratio Lower Upper

58 100

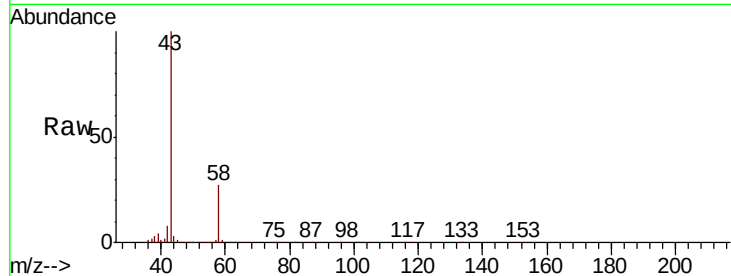
43 367.8 289.8 434.8

Manual Integrations

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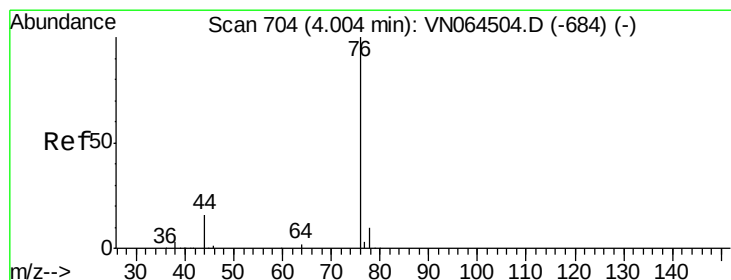
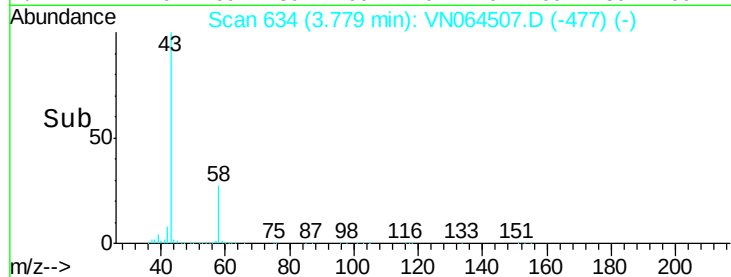
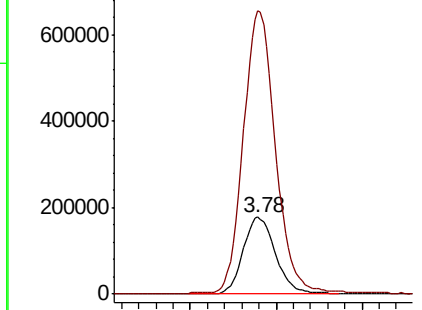
MMDadoda

11/10/2020 1:10:35 PM



Abundance Ion 58.00 (57.70 to 58.70): VN064507.D (-477) (-)

Ion 43.00 (42.70 to 43.70): VN064507.D (-477) (-)



#16

Carbon Disulfide

Concen: 158.288 ug/l

RT: 4.00 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN064507.D

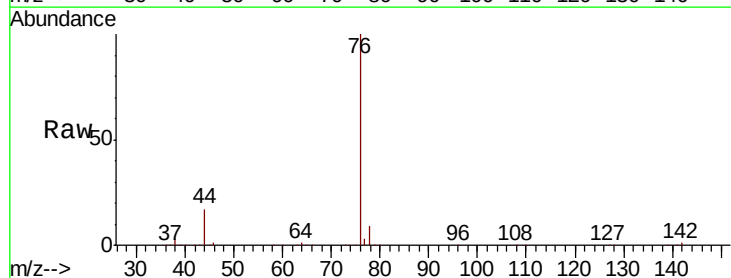
Acq: 9 Nov 2020 13:01

Tgt Ion: 76 Resp: 1809600

Ion Ratio Lower Upper

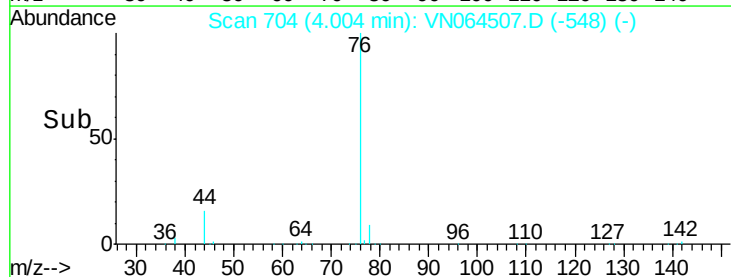
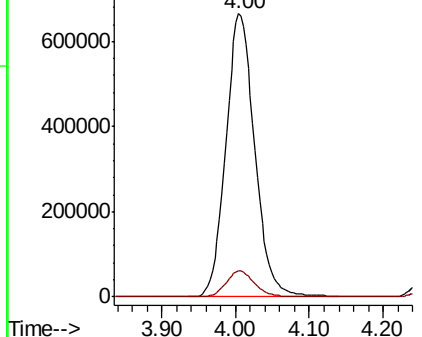
76 100

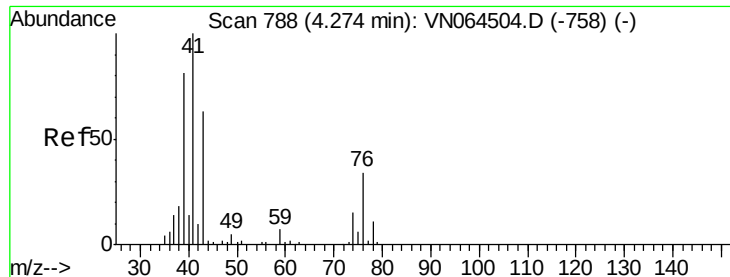
78 9.1 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VN064507.D (-548) (-)

Ion 78.00 (77.70 to 78.70): VN064507.D (-548) (-)





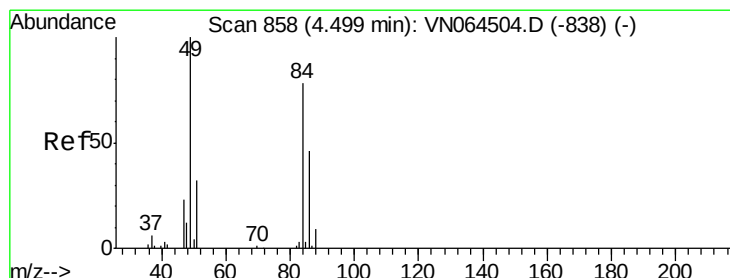
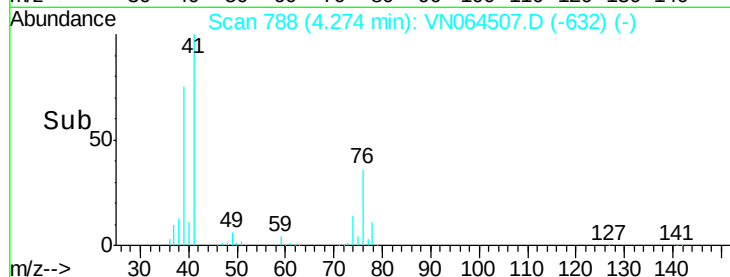
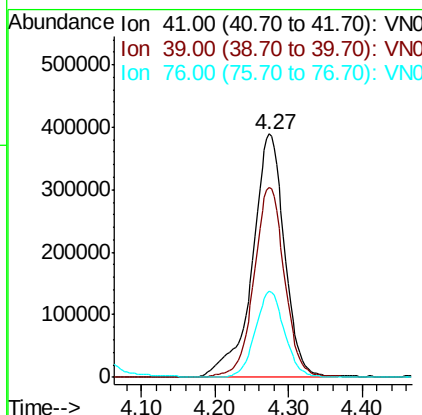
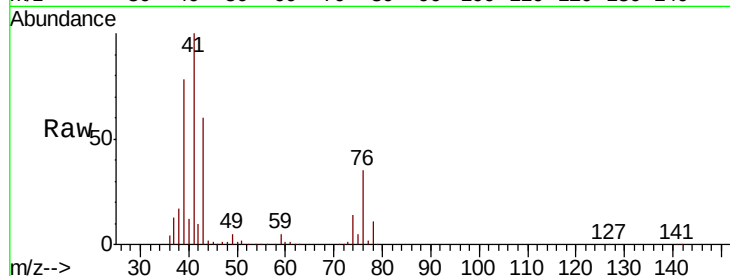
#17
Allvl chloride
Concen: 167.221 ug/l
RT: 4.27 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN064507.D
Acq: 9 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 41 Resp: 1179690
Ion Ratio Lower Upper
41 100
39 78.2 40.3 120.8
76 35.0 16.8 50.3

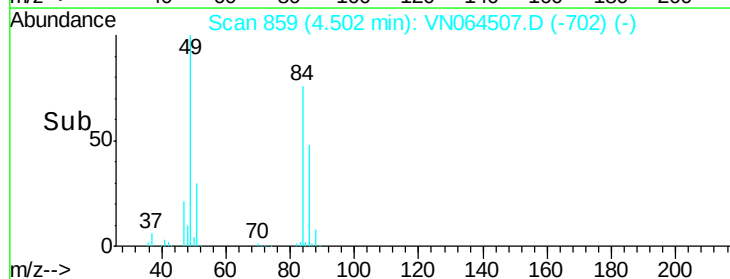
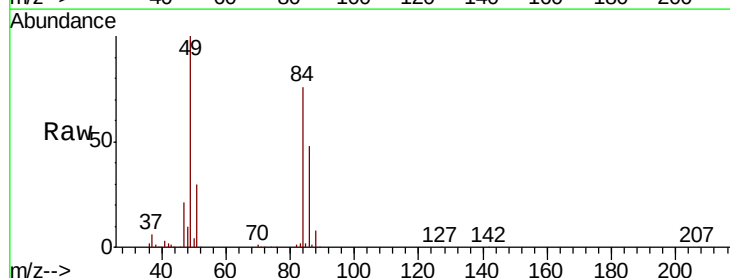
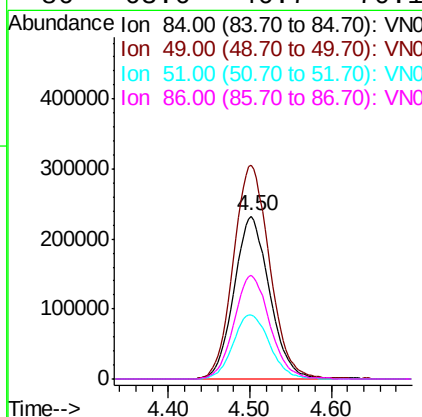
Manual Integrations
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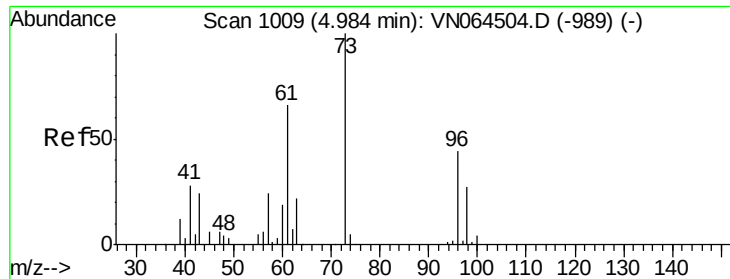
MMDadoda
11/10/2020 1:10:35 PM



#18
Methylene Chloride
Concen: 152.452 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064507.D
Acq: 9 Nov 2020 13:01

Tgt Ion: 84 Resp: 703532
Ion Ratio Lower Upper
84 100
49 131.3 102.1 153.1
51 39.4 32.6 48.8
86 63.6 46.7 70.1





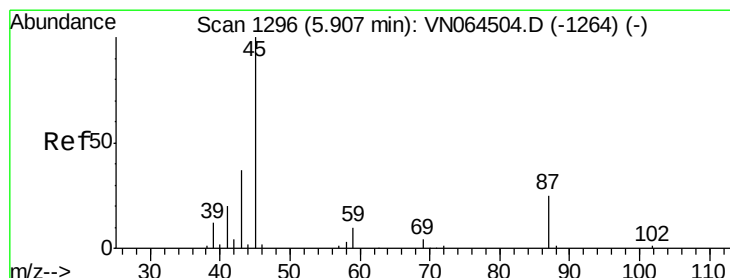
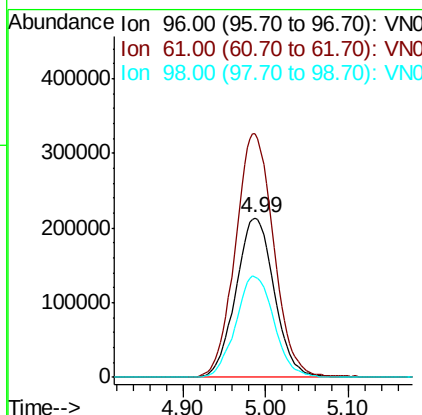
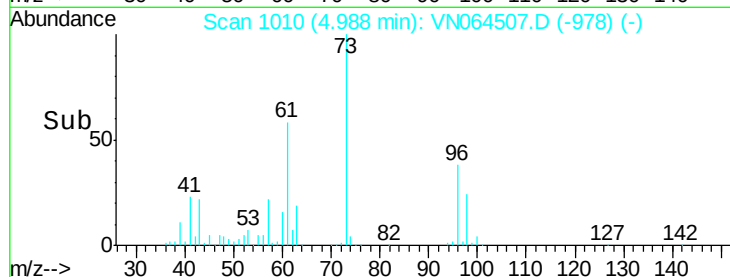
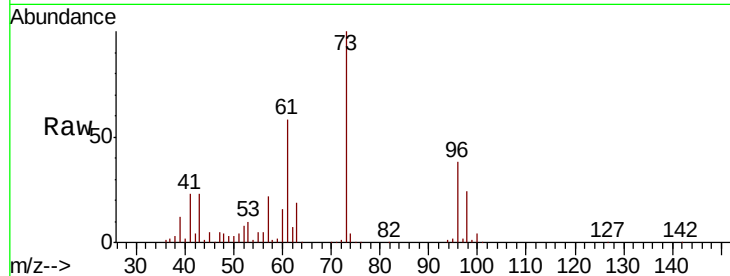
#19
trans-1,2-Dichloroethene
Concen: 156.683 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN064507.D
Acq: 9 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.6	120.1	180.1
98	63.3	49.1	73.7

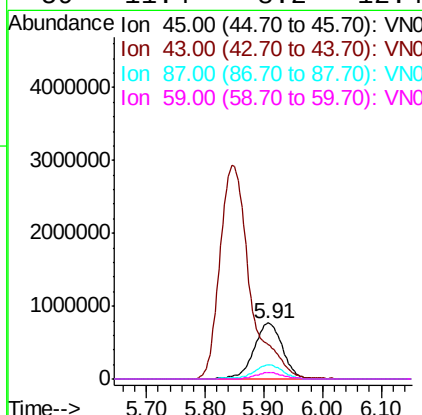
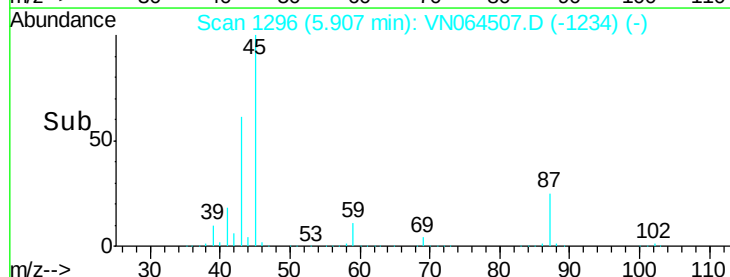
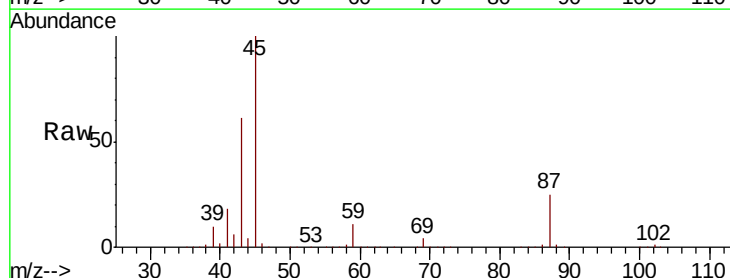
Manual Integrations
APPROVED

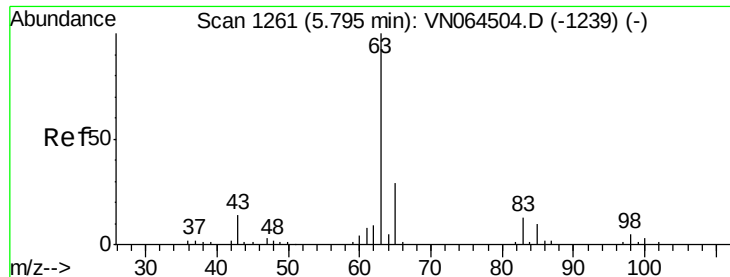
MMDadoda
11/10/2020 1:10:35 PM



#20
Diisopropyl ether
Concen: 173.802 ug/l
RT: 5.91 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN064507.D
Acq: 9 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.9	53.1	79.7
87	24.9	21.0	31.6
59	11.4	8.2	12.4





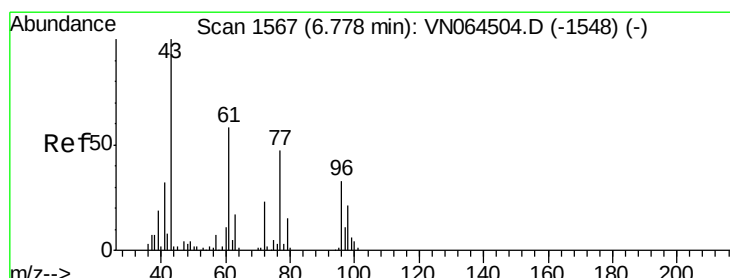
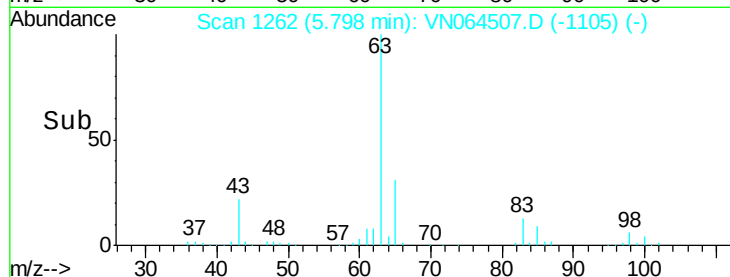
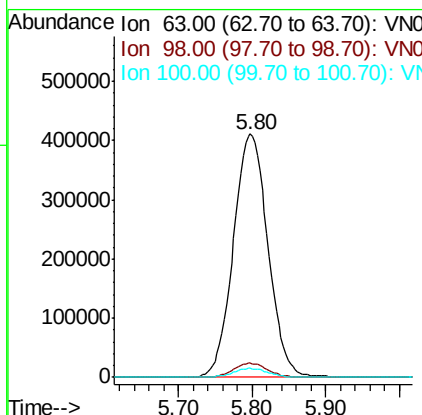
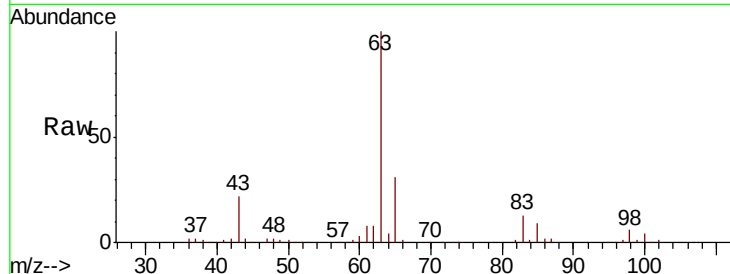
#21
 1,1-Dichloroethane
 Concen: 158.561 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN064507.D
 Acq: 9 Nov 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
98	5.8	2.6	8.0
100	3.6	1.7	5.1

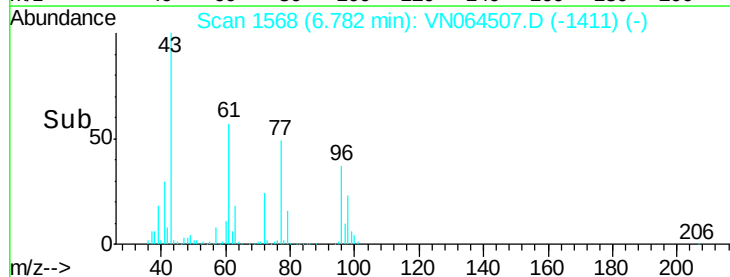
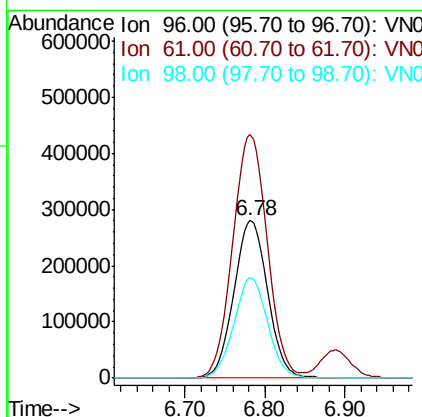
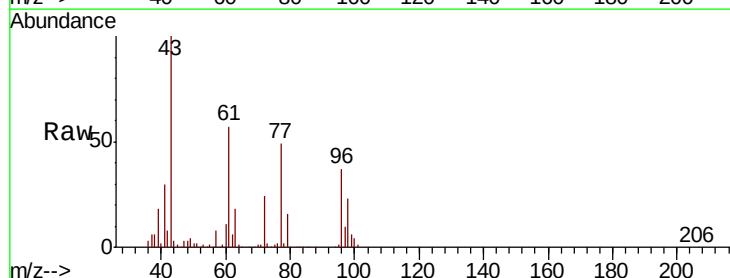
Manual Integrations
 APPROVED

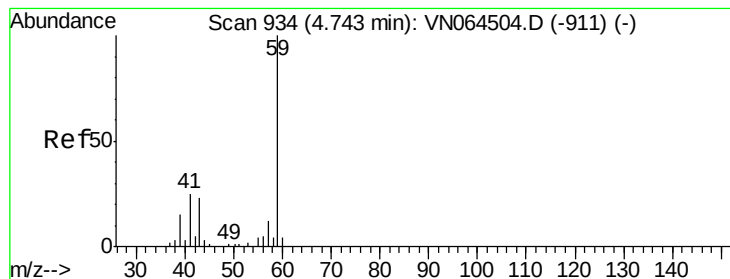
MMDadoda
 11/10/2020 1:10:35 PM



#22
 cis-1,2-Dichloroethene
 Concen: 156.750 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064507.D
 Acq: 9 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.1	136.1	204.1
98	63.5	51.8	77.8





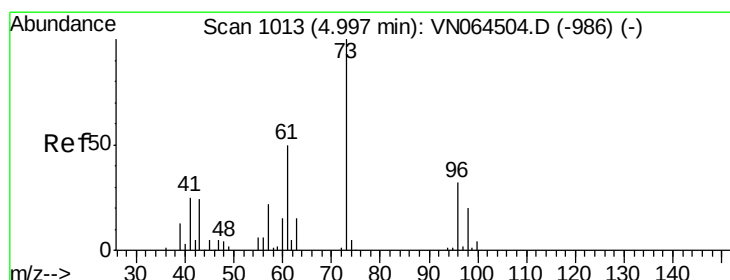
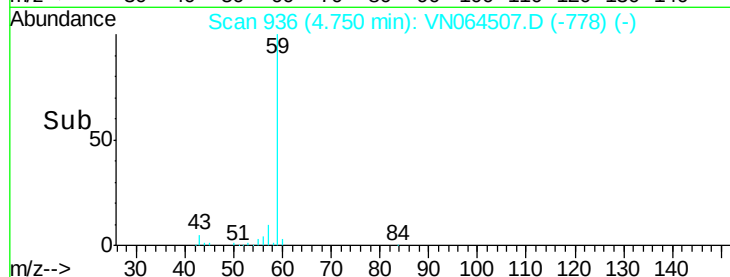
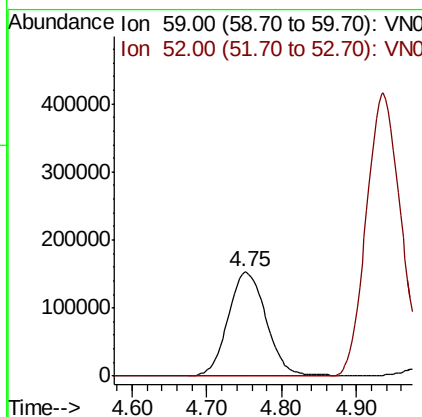
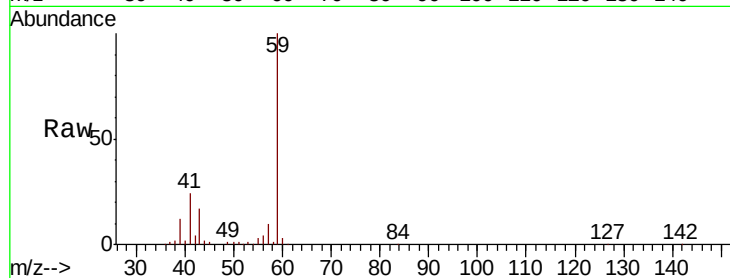
#23
 tert-Butyl Alcohol
 Concen: 762.178 ug/l
 RT: 4.75 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN064507.D
 Acq: 9 Nov 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 59 Resp: 542487
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0#

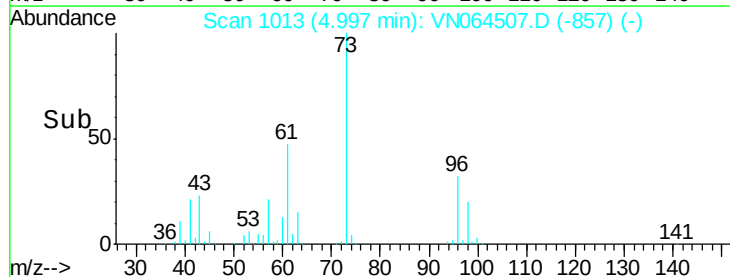
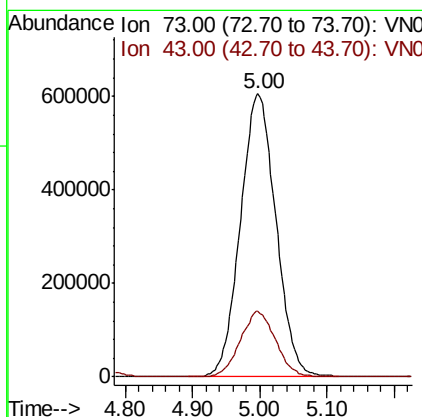
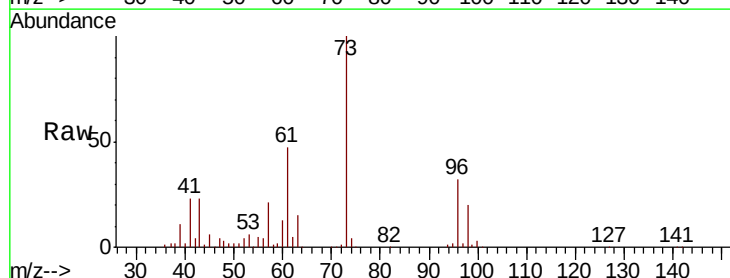
Manual Integrations
 APPROVED

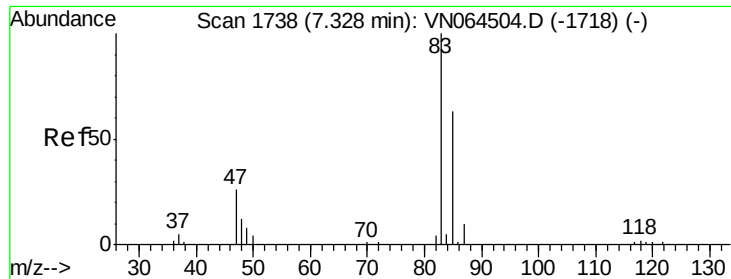
MMDadoda
 11/10/2020 1:10:35 PM



#24
 Methyl tert-Butyl Ether
 Concen: 157.433 ug/l
 RT: 5.00 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VN064507.D
 Acq: 9 Nov 2020 13:01

Tgt Ion: 73 Resp: 2216286
 Ion Ratio Lower Upper
 73 100
 43 22.7 10.2 15.2#





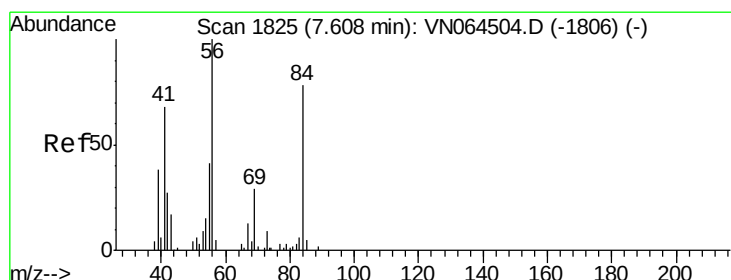
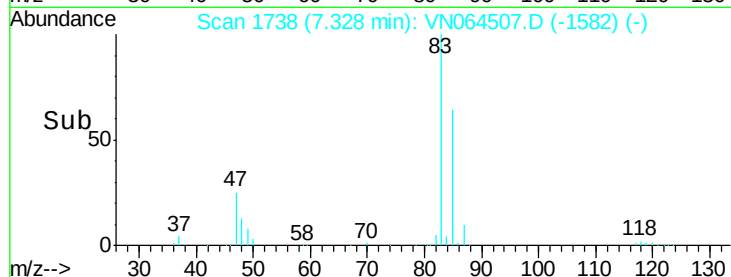
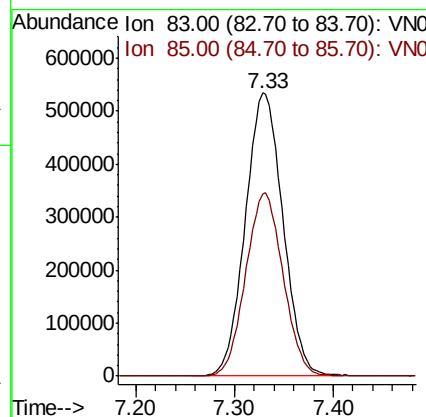
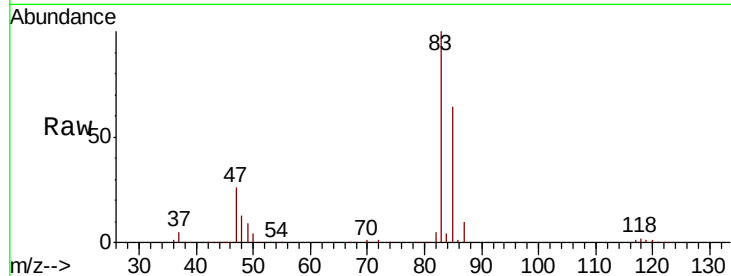
#25
Chloroform
Concen: 154.897 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064507.D
Acq: 9 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1405122
Ion Ratio Lower Upper
83 100
85 64.4 50.6 75.8

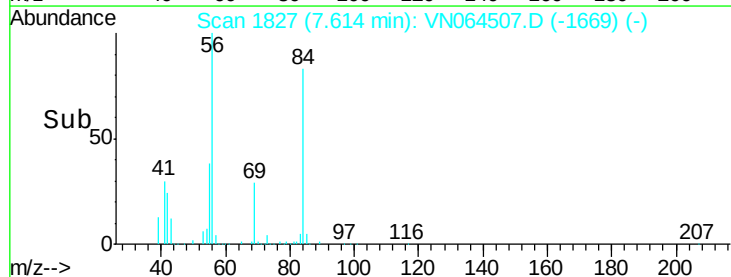
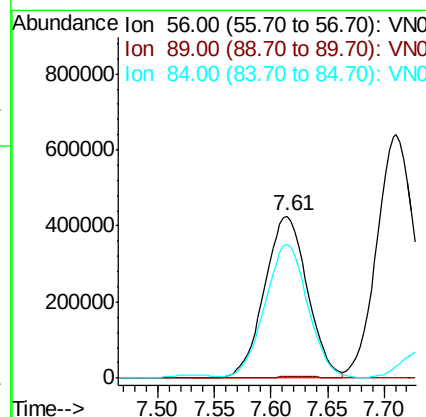
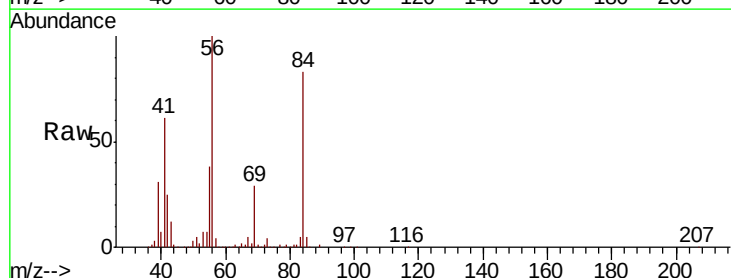
Manual Integrations
APPROVED

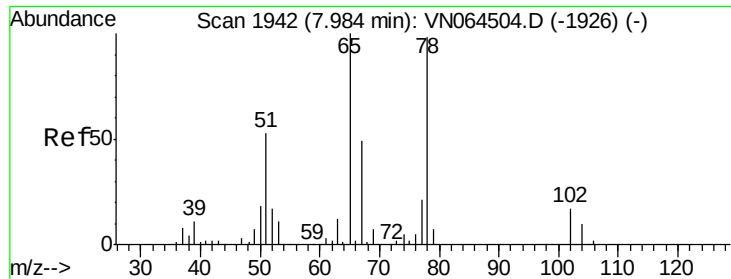
MMDadoda
11/10/2020 1:10:35 PM



#26
Cyclohexane
Concen: 167.806 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN064507.D
Acq: 9 Nov 2020 13:01

Tgt Ion: 56 Resp: 1121133
Ion Ratio Lower Upper
56 100
89 1.1 0.6 0.8#
84 82.7 66.1 99.1





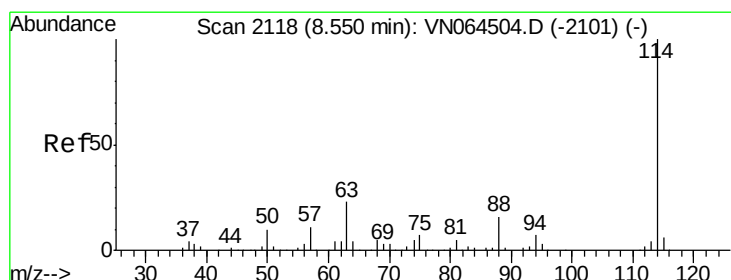
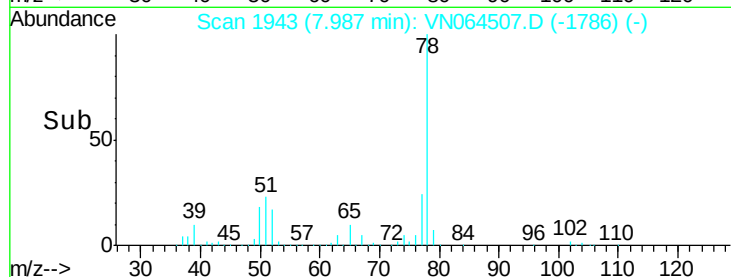
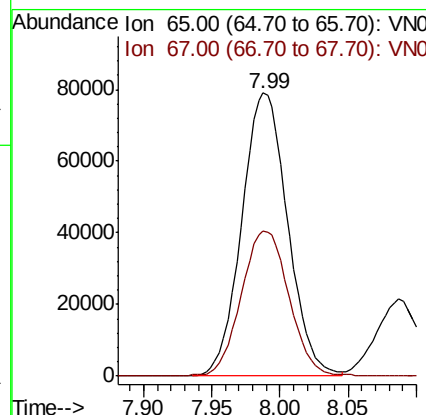
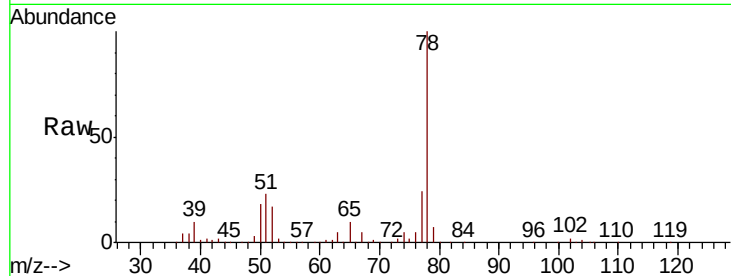
#27
 1,2-Dichloroethane-d4
 Concen: 30.304 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064507.D
 Acq: 9 Nov 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 65 Resp: 184519
 Ion Ratio Lower Upper
 65 100
 67 53.2 41.1 61.7

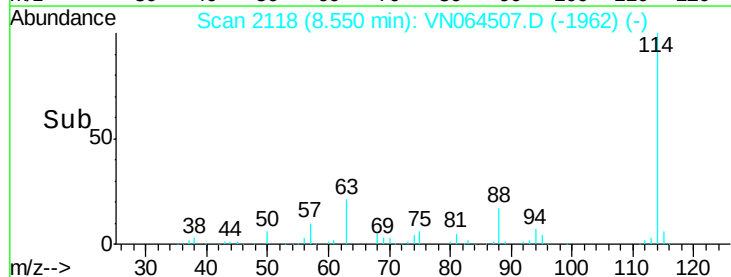
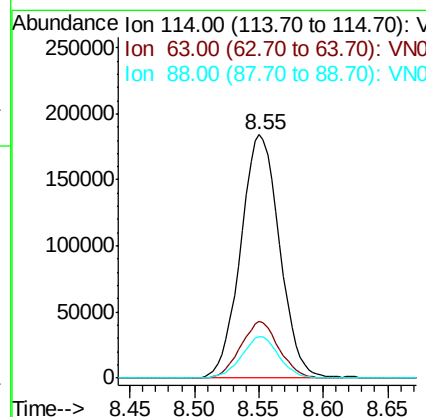
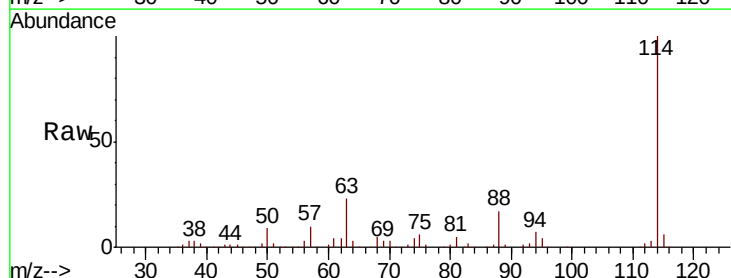
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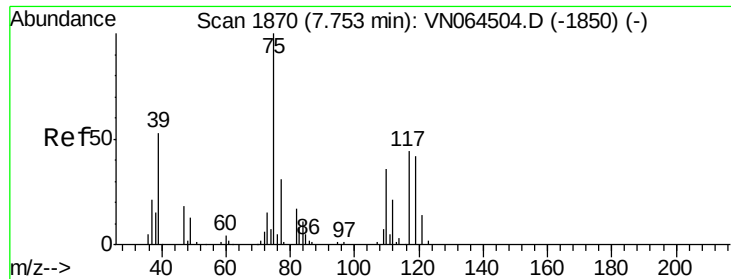
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064507.D
 Acq: 9 Nov 2020 13:01

Tgt Ion: 114 Resp: 386679
 Ion Ratio Lower Upper
 114 100
 63 22.7 18.5 27.7
 88 16.4 13.0 19.6





#29

1,1-Dichloropropene

Concen: 169.312 ug/l

RT: 7.75 min Scan# 1870

Delta R.T. 0.00 min

Lab File: VN064507.D

Acq: 9 Nov 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 1070495

Ion Ratio Lower Upper

75 100

110 32.1 0.0 66.4

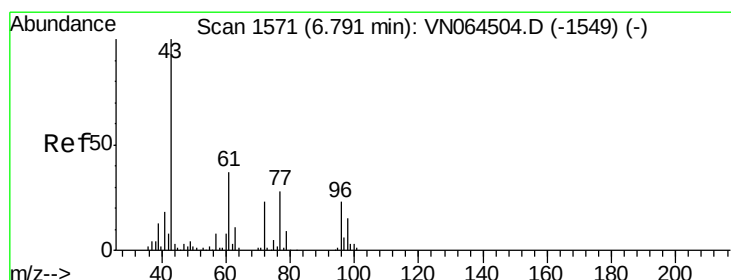
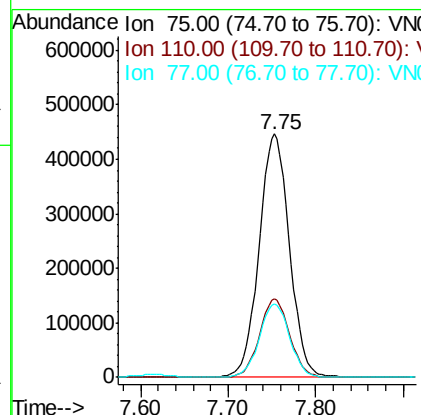
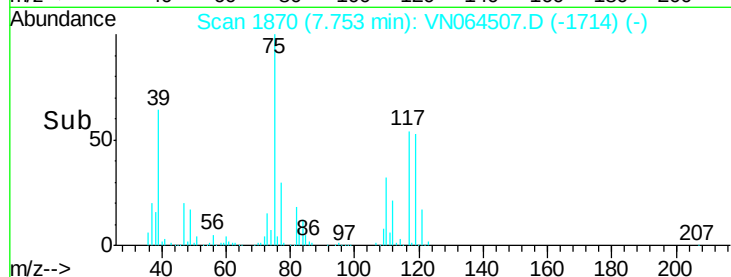
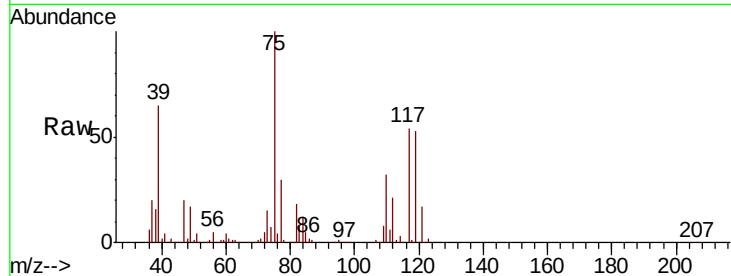
77 30.4 0.0 62.0

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#30

2-Butanone

Concen: 852.471 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN064507.D

Acq: 9 Nov 2020 13:01

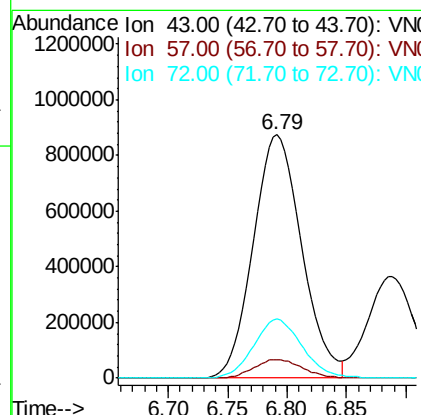
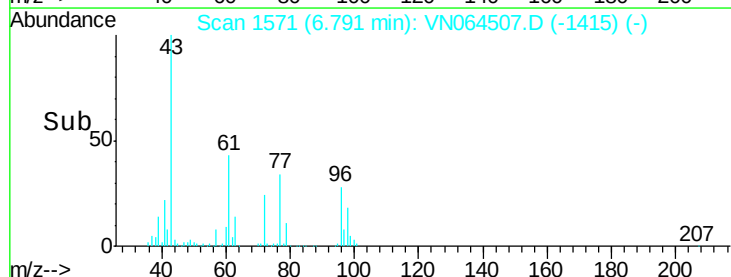
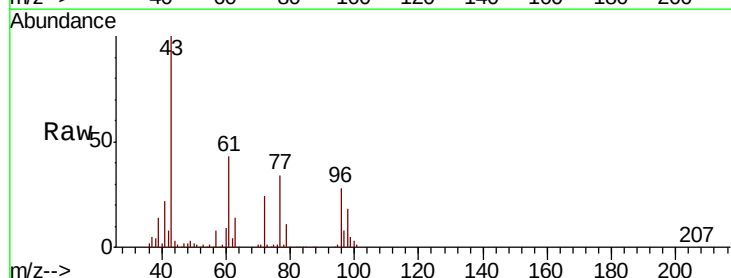
Tgt Ion: 43 Resp: 2465560

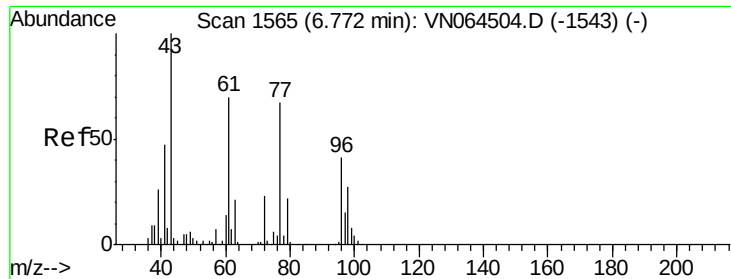
Ion Ratio Lower Upper

43 100

57 7.8 6.2 9.4

72 24.4 9.9 14.9#





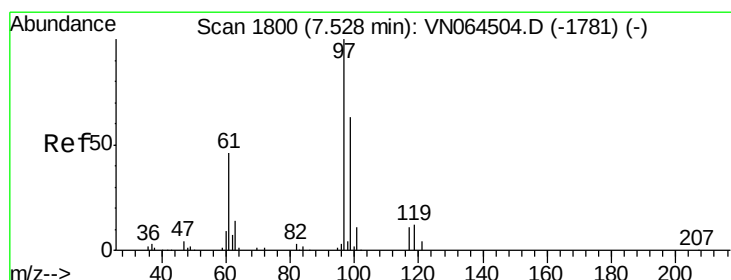
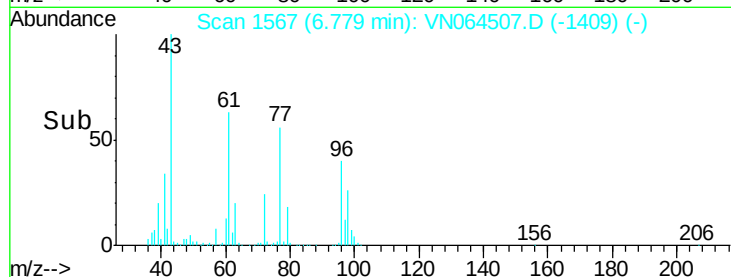
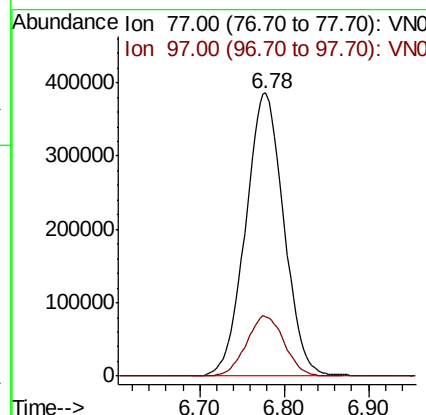
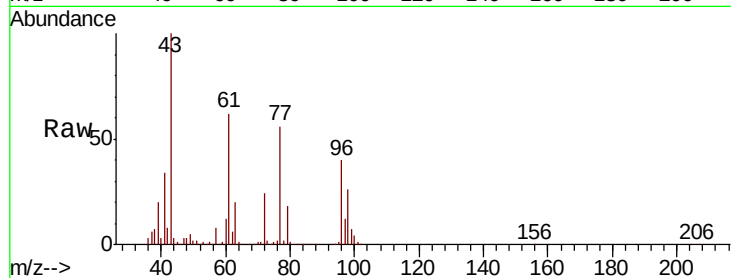
#31
 2,2-Dichloropropane
 Concen: 157.763 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VN064507.D
 Acq: 9 Nov 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 77 Resp: 1213672
 Ion Ratio Lower Upper
 77 100
 97 21.2 16.9 25.3

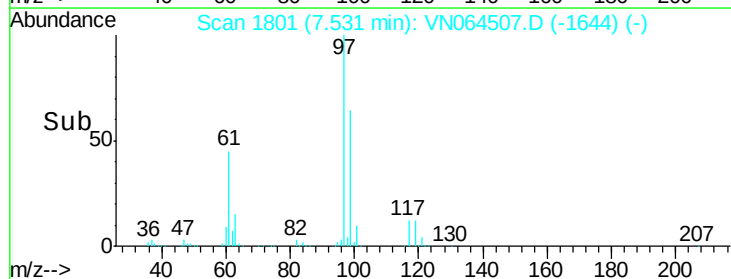
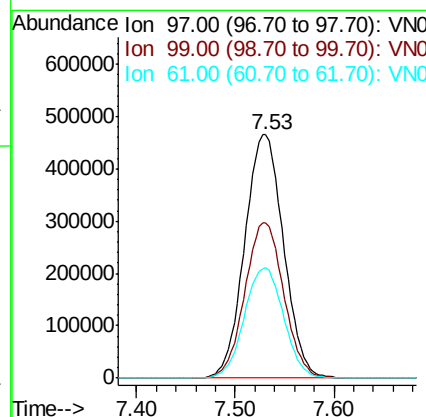
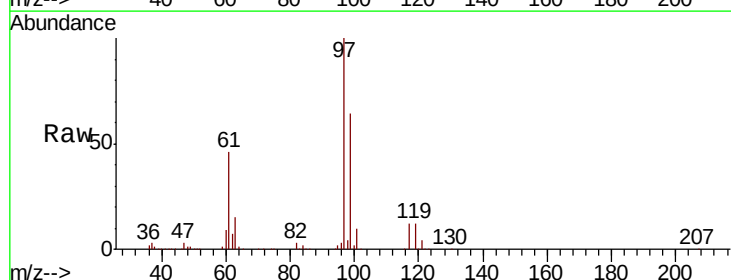
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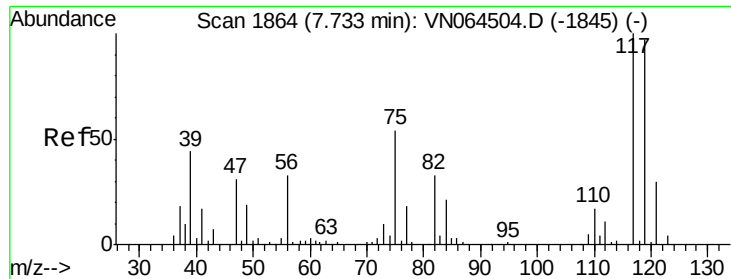
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#32
 1,1,1-Trichloroethane
 Concen: 155.977 ug/l
 RT: 7.53 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN064507.D
 Acq: 9 Nov 2020 13:01

Tgt Ion: 97 Resp: 1268597
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.8 77.8
 61 45.8 39.4 59.0





#33

Carbon Tetrachloride

Concen: 153.310 ug/l

RT: 7.73 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VN064507.D

Acq: 9 Nov 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:117 Resp: 1121979

Ion Ratio Lower Upper

117 100

119 96.2 77.9 116.9

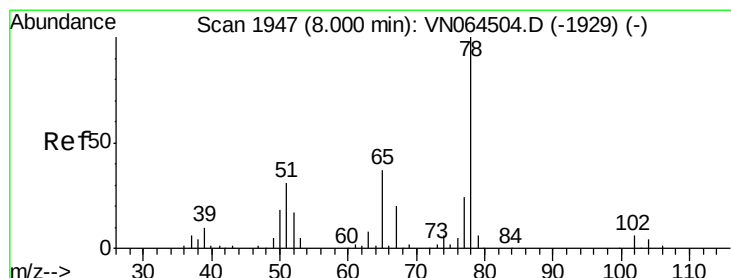
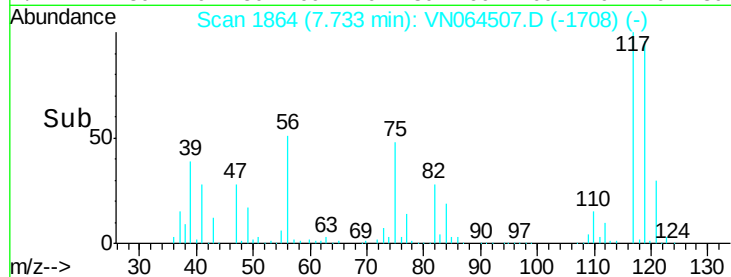
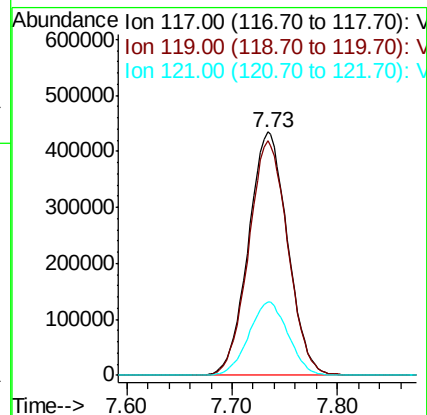
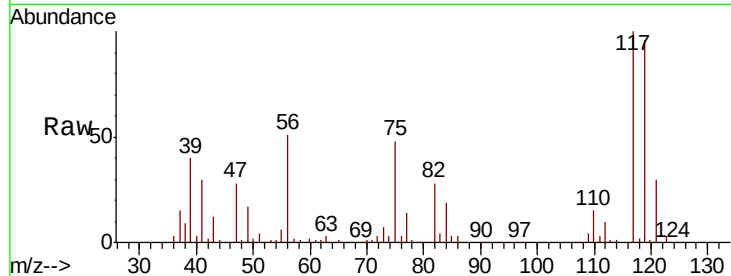
121 30.3 24.0 36.0

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#34

Benzene

Concen: 170.380 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VN064507.D

Acq: 9 Nov 2020 13:01

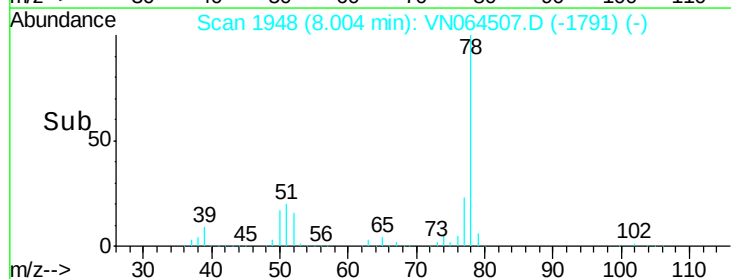
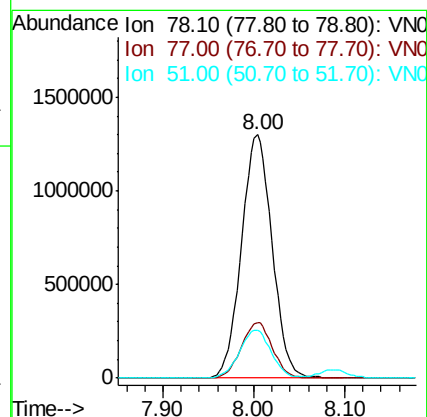
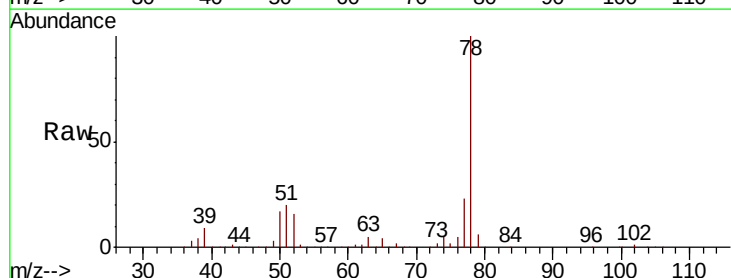
Tgt Ion: 78 Resp: 3043713

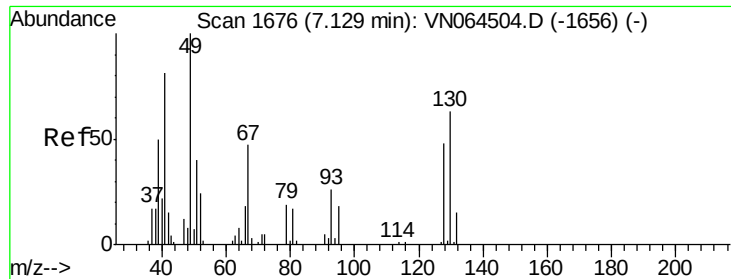
Ion Ratio Lower Upper

78 100

77 23.0 18.9 28.3

51 19.7 24.6 36.8#





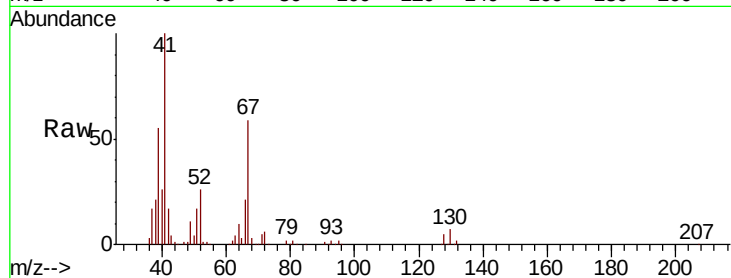
#35
Methacrylonitrile
Concen: 177.300 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN064507.D
Acq: 9 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

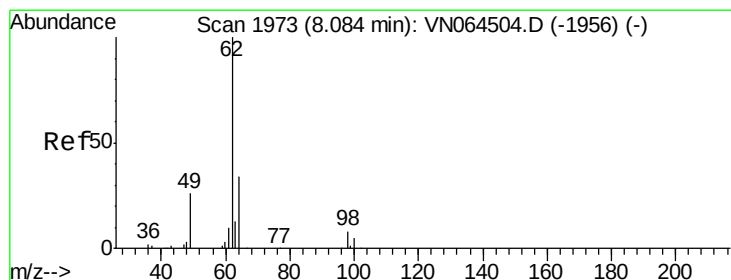
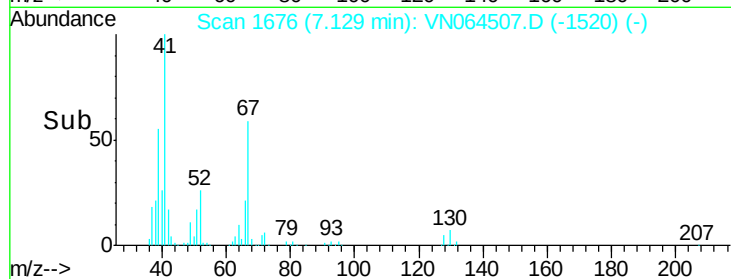
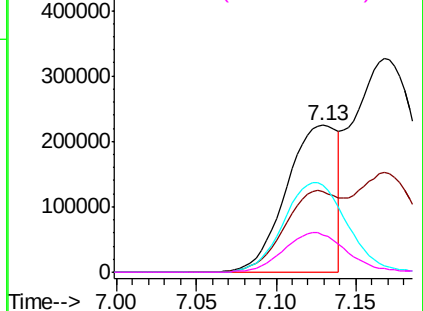
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.0	30.0	90.1	
67	59.1	29.2	87.6	
52	25.5	14.9	44.9	

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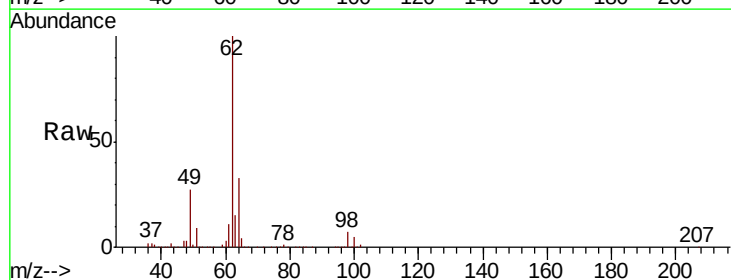


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

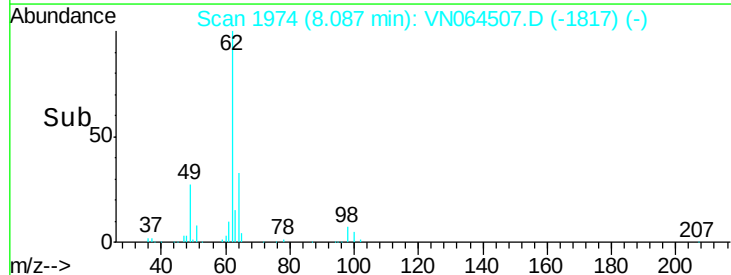
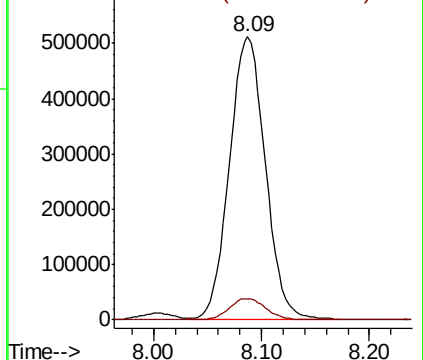


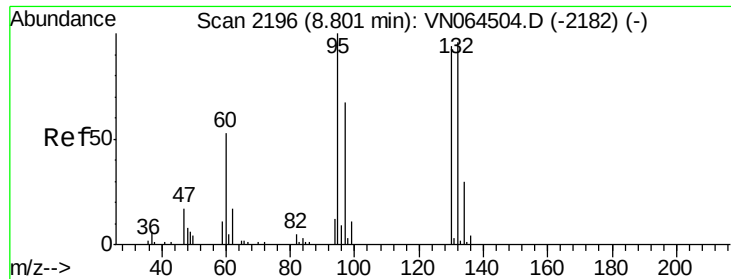
#36
1,2-Dichloroethane
Concen: 160.269 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064507.D
Acq: 9 Nov 2020 13:01

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.7	5.5	8.3	



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0





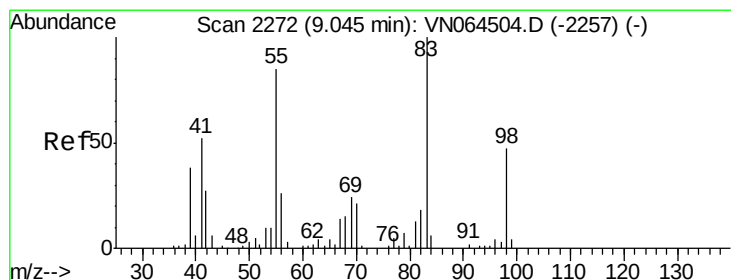
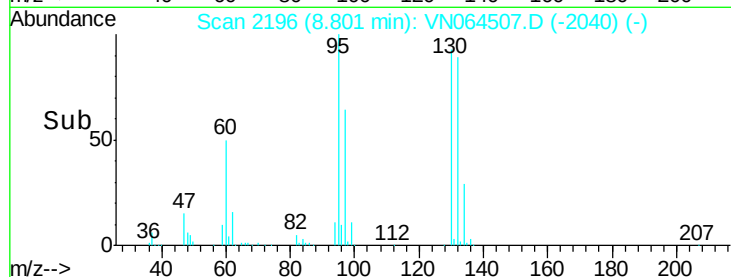
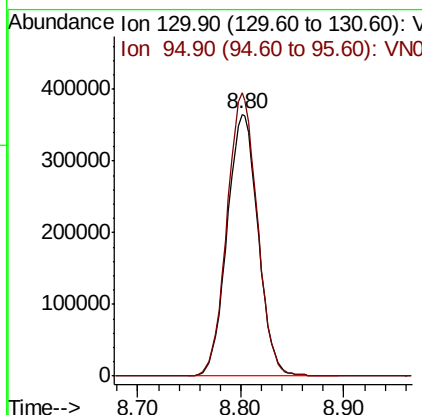
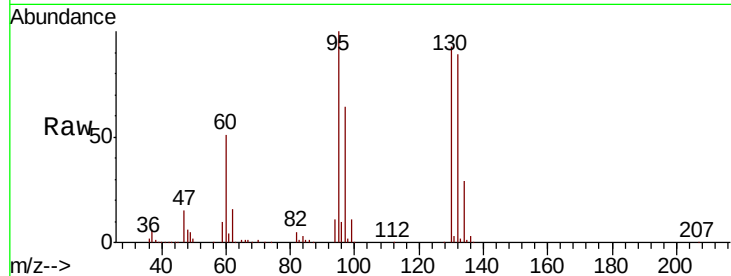
#37
 Trichloroethene
 Concen: 155.229 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN064507.D
 Acq: 9 Nov 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:130 Resp: 764848
 Ion Ratio Lower Upper
 130 100
 95 107.9 85.1 127.7

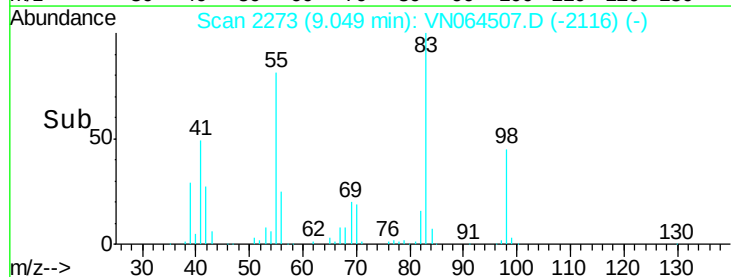
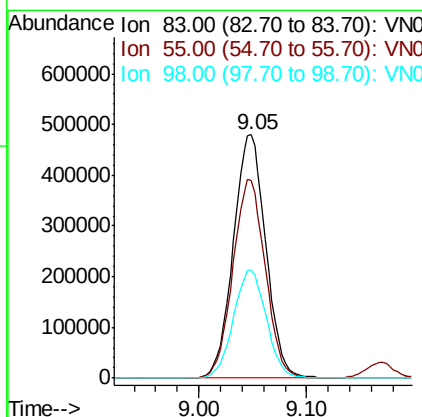
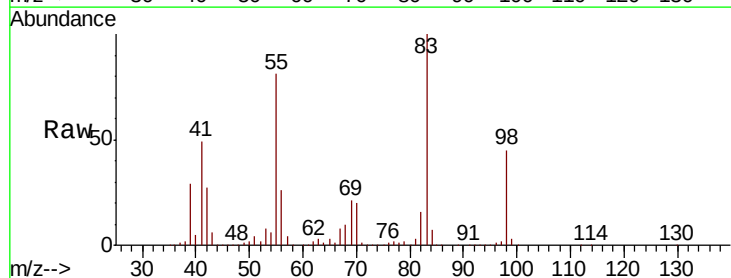
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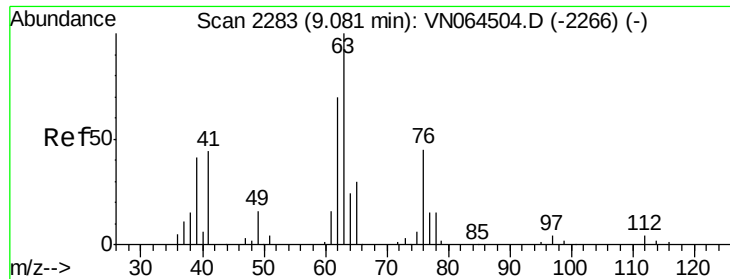
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#38
 Methylcyclohexane
 Concen: 176.464 ug/l
 RT: 9.05 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN064507.D
 Acq: 9 Nov 2020 13:01

Tgt Ion: 83 Resp: 1002912
 Ion Ratio Lower Upper
 83 100
 55 81.3 42.0 126.1
 98 44.9 22.5 67.5





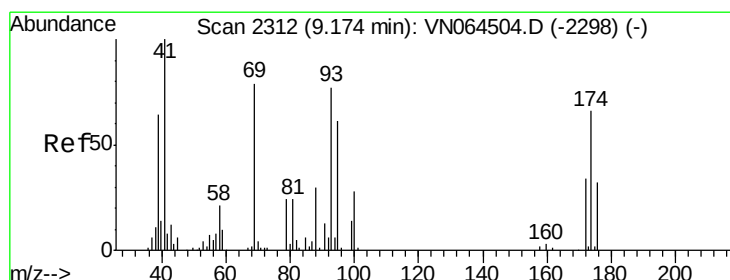
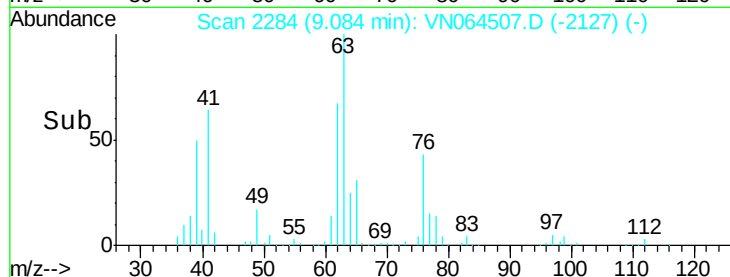
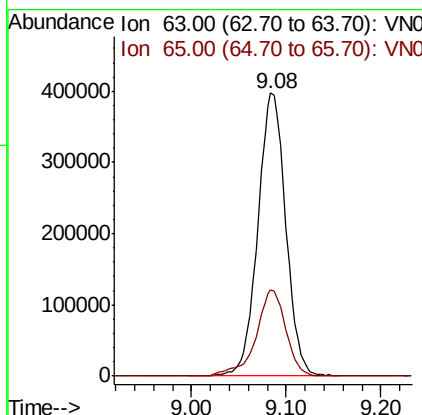
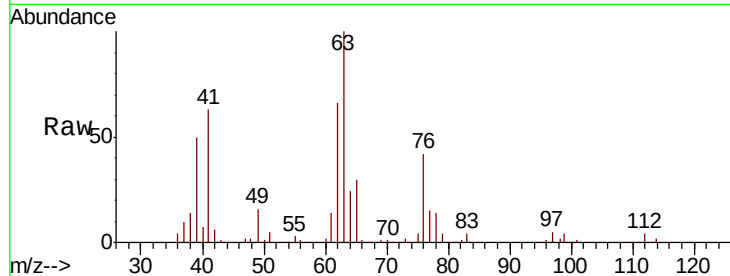
#39
 1,2-Dichloropropane
 Concen: 175.103 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064507.D
 Acq: 9 Nov 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 813059
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.4 36.6

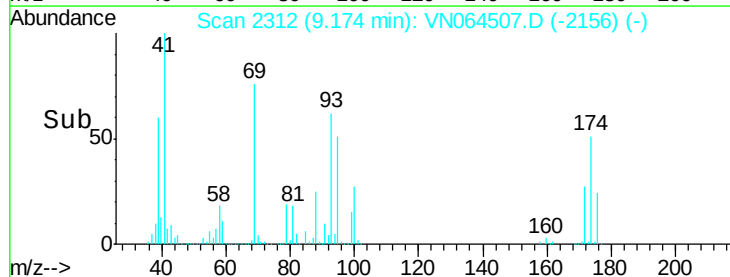
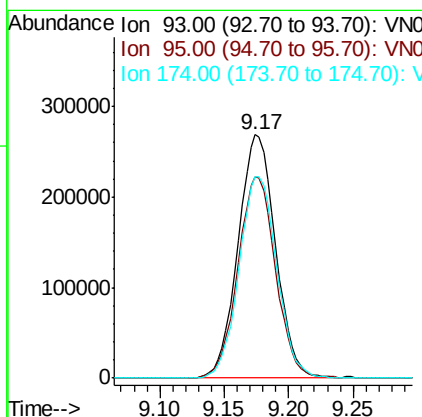
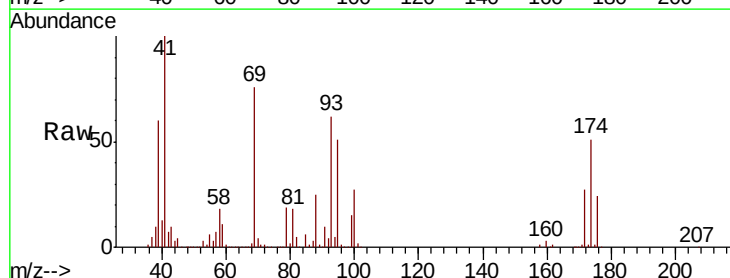
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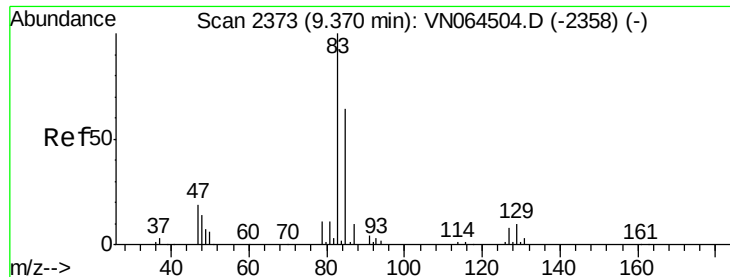
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#40
 Dibromomethane
 Concen: 164.304 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064507.D
 Acq: 9 Nov 2020 13:01

Tgt Ion: 93 Resp: 544345
 Ion Ratio Lower Upper
 93 100
 95 83.2 0.0 164.6
 174 83.7 0.0 165.6





#41

Bromodichloromethane

Concen: 167.360 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064507.D

Acq: 9 Nov 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1175459

Ion Ratio Lower Upper

83 100

85 63.8 51.0 76.4

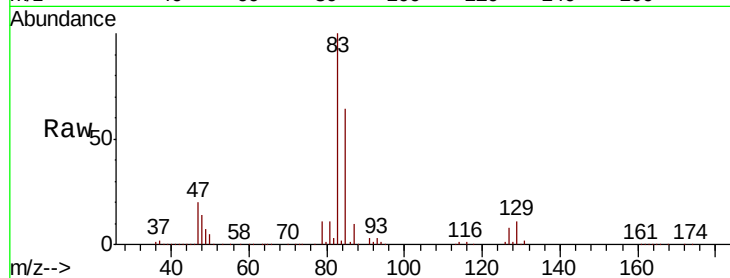
127 8.2 6.2 9.4

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Abundance Ion 83.00 (82.70 to 83.70): VN064507.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN064507.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN064507.D (-2217) (-)

9.37

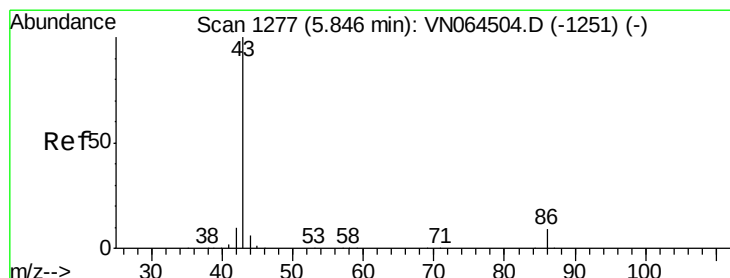
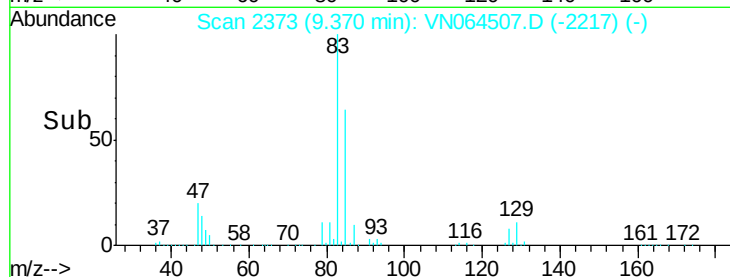
600000

400000

200000

0

Time-->



#42

Vinyl Acetate

Concen: 863.081 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064507.D

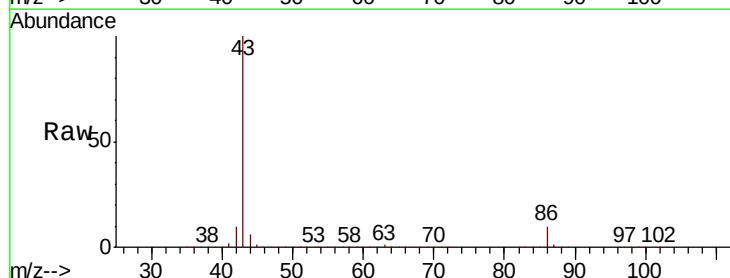
Acq: 9 Nov 2020 13:01

Tgt Ion: 43 Resp: 10447942

Ion Ratio Lower Upper

43 100

86 8.6 6.3 9.5



Abundance Ion 43.00 (42.70 to 43.70): VN064507.D (-1121) (-)

Ion 86.00 (85.70 to 86.70): VN064507.D (-1121) (-)

5.85

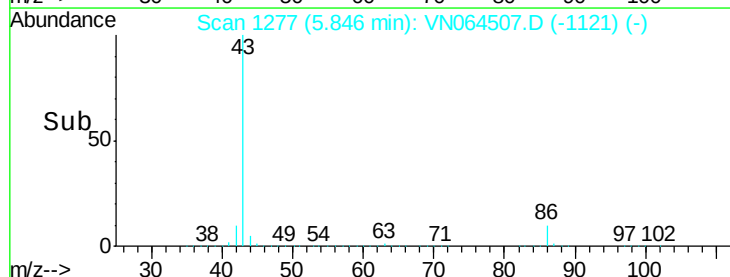
3000000

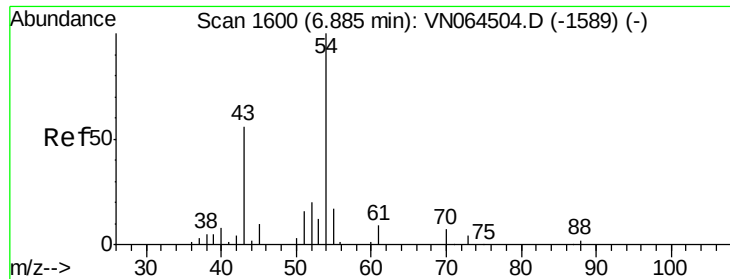
2000000

1000000

0

Time-->





#43

Ethyl Acetate

Concen: 181.723 ug/l

RT: 6.89 min Scan# 1601

Delta R.T. 0.00 min

Lab File: VN064507.D

Acq: 9 Nov 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1020818

Ion Ratio Lower Upper

43 100

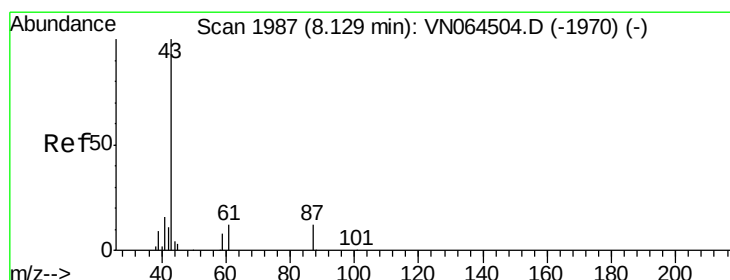
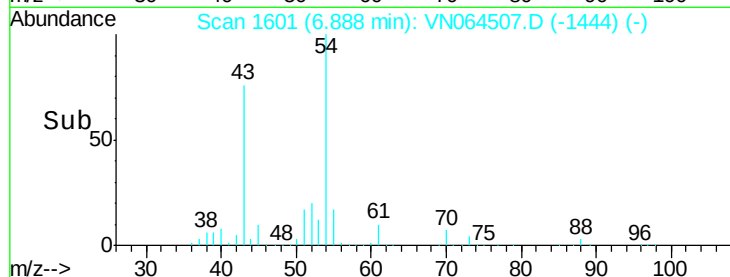
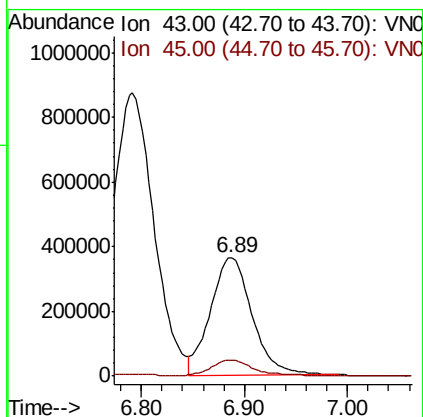
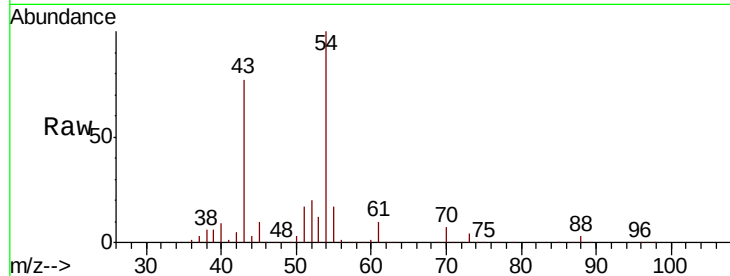
45 14.6 10.9 16.3

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#44

Isopropyl Acetate

Concen: 181.695 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064507.D

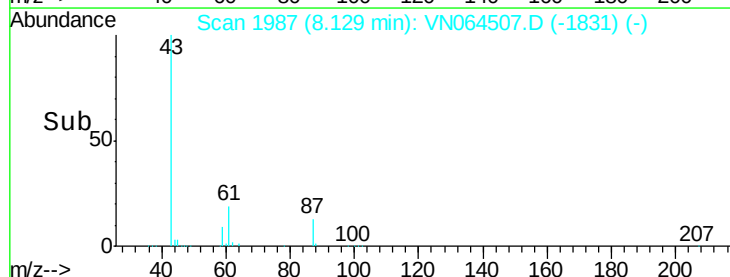
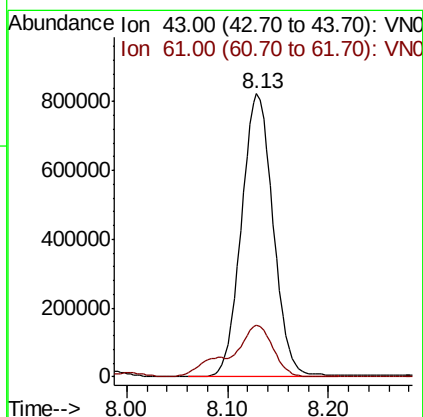
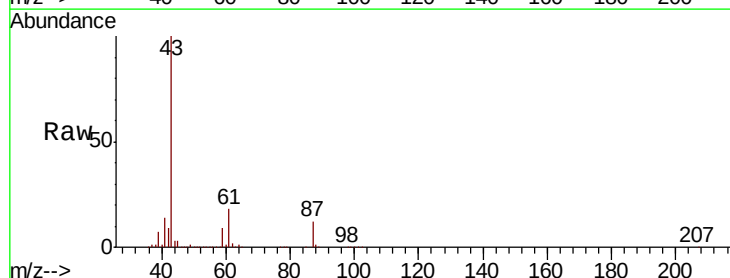
Acq: 9 Nov 2020 13:01

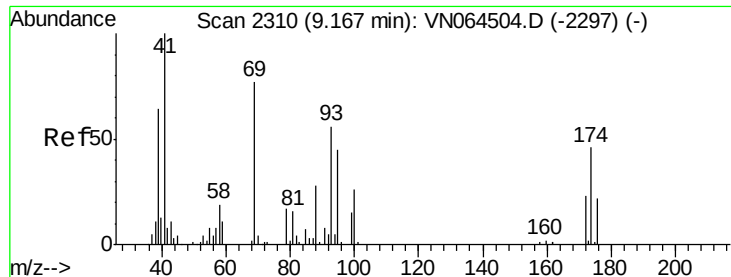
Tgt Ion: 43 Resp: 1784913

Ion Ratio Lower Upper

43 100

61 18.7 13.0 19.4





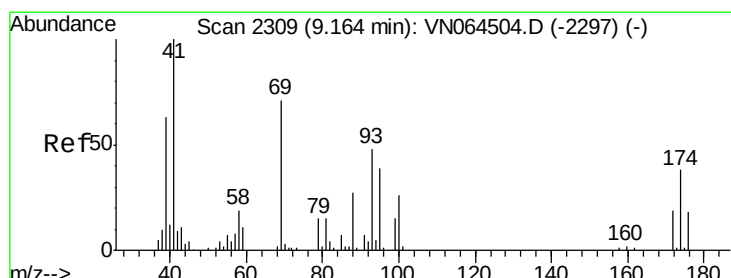
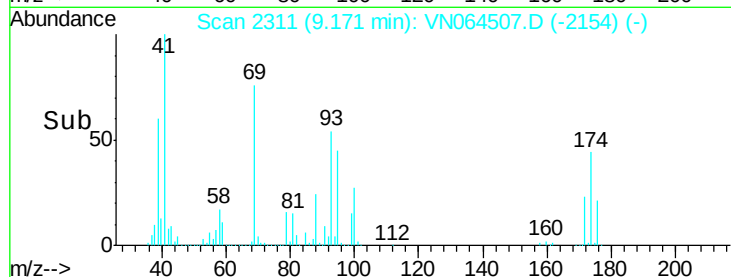
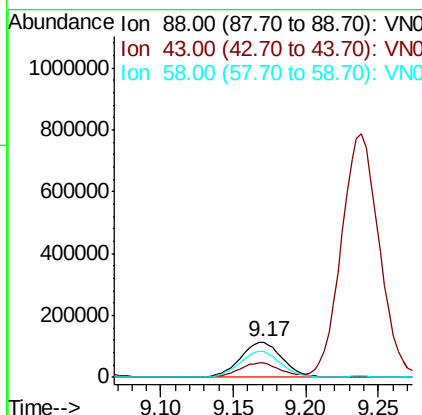
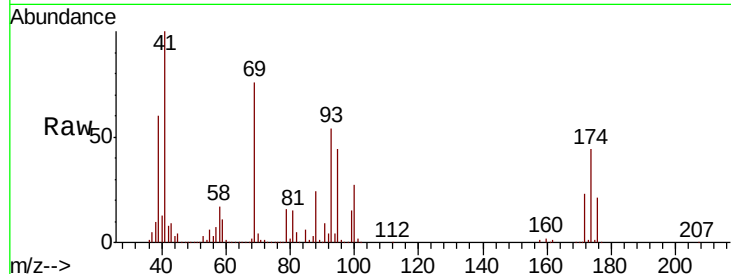
#45
1,4-Dioxane
Concen: 3254.901 ug/l
RT: 9.17 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN064507.D
Acq: 9 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.8	30.6	46.0
58	73.5	57.9	86.9

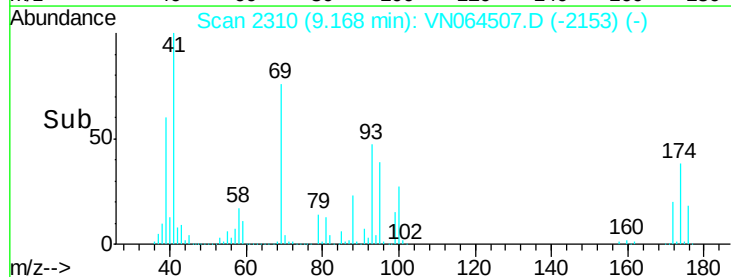
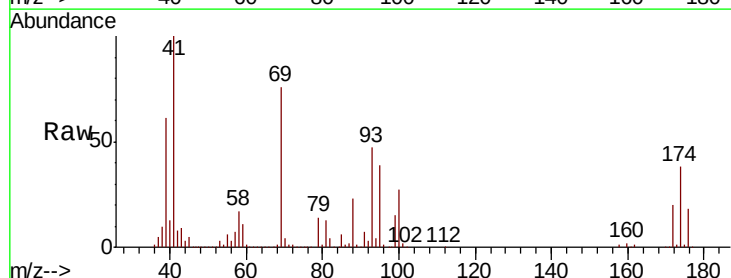
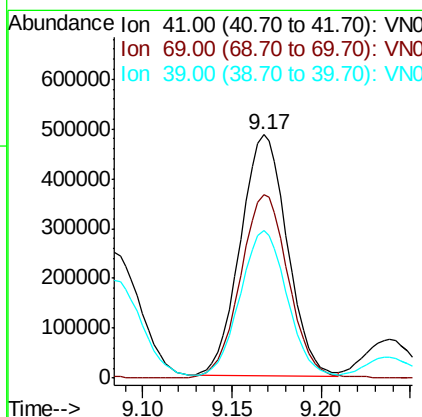
Manual Integrations
APPROVED

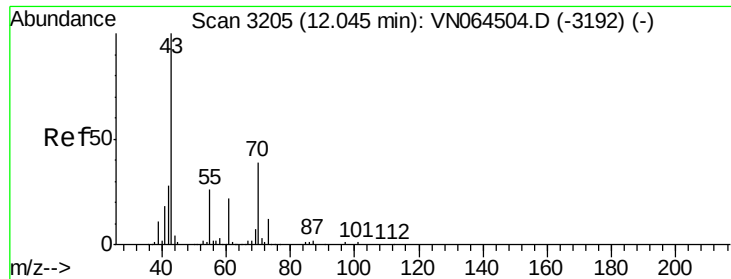
MMDadoda
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#46
Methyl methacrylate
Concen: 182.621 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064507.D
Acq: 9 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.3	35.4	106.2
39	60.2	31.6	94.7





#47

n-amvl Acetate

Concen: 202.628 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064507.D

Acq: 9 Nov 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1697031

Ion Ratio Lower Upper

43 100

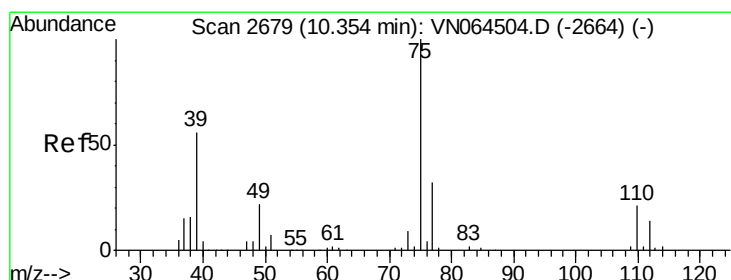
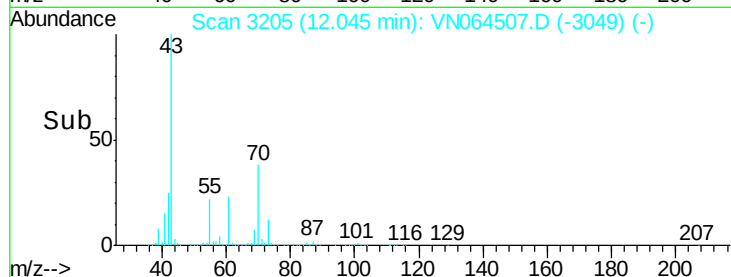
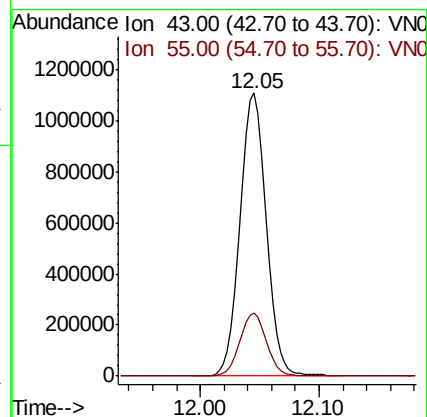
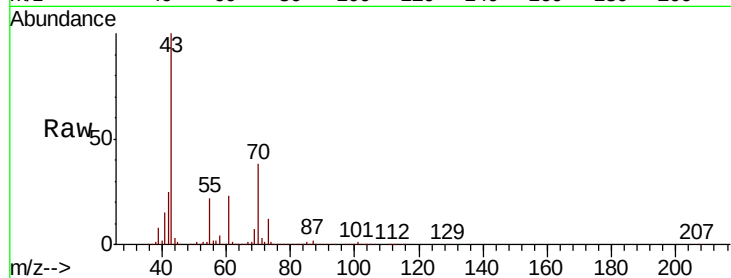
55 22.6 19.2 28.8

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 173.364 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VN064507.D

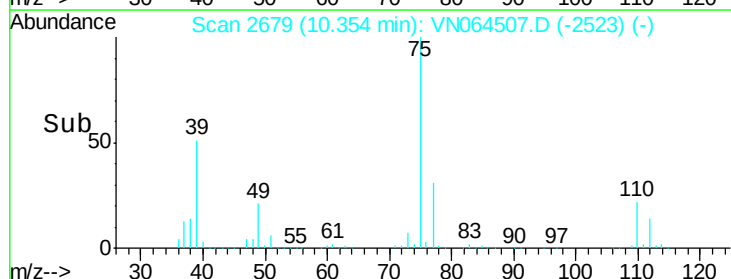
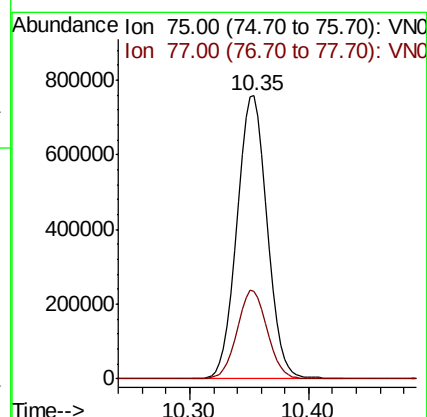
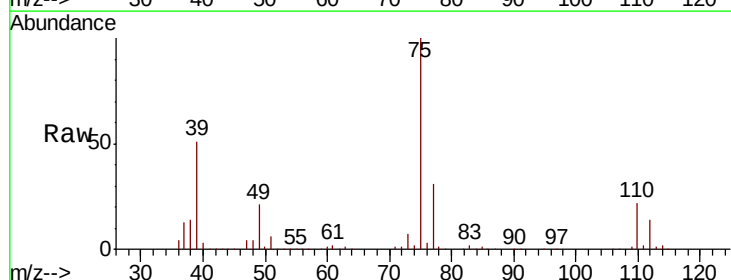
Acq: 9 Nov 2020 13:01

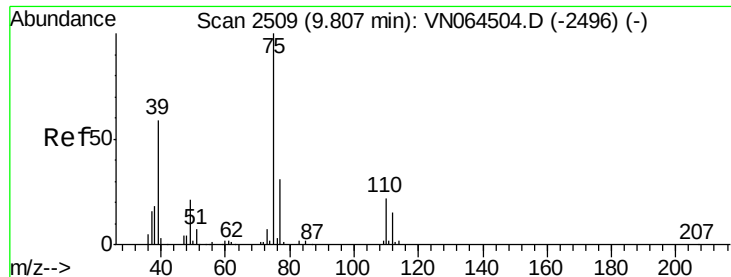
Tgt Ion: 75 Resp: 1335864

Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.6





#49

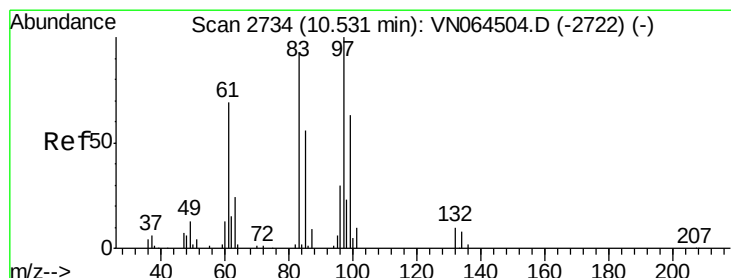
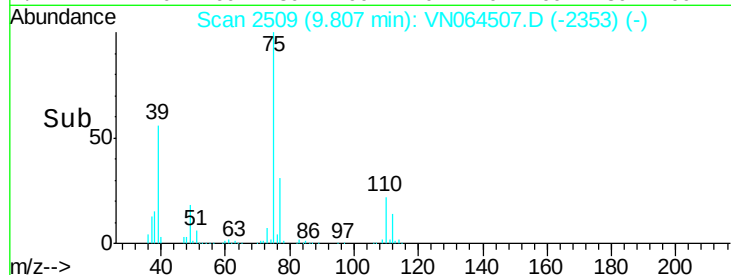
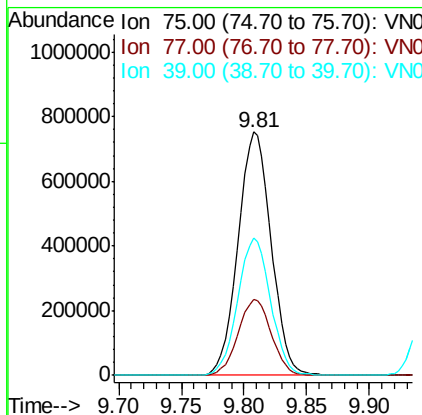
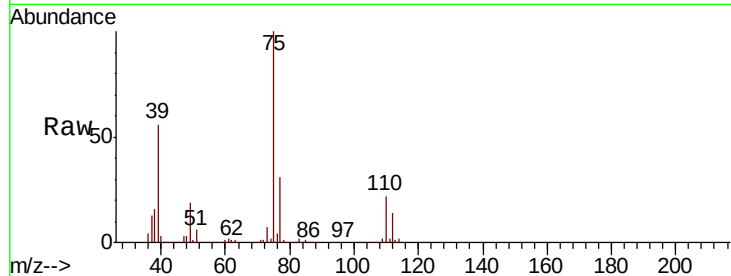
cis-1,3-Dichloropropene
Concen: 173.214 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064507.D
Acq: 9 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.8	37.2
39	56.1	47.4	71.0

Manual Integrations
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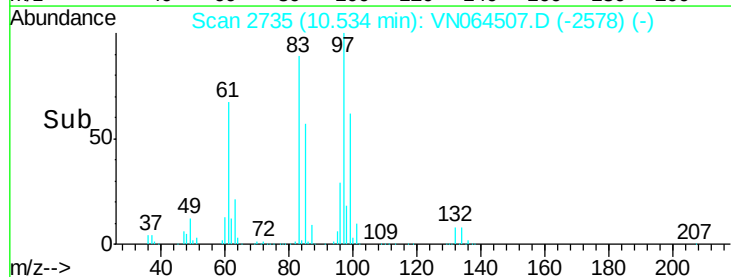
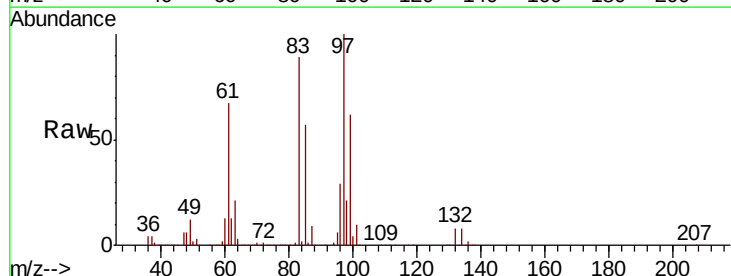
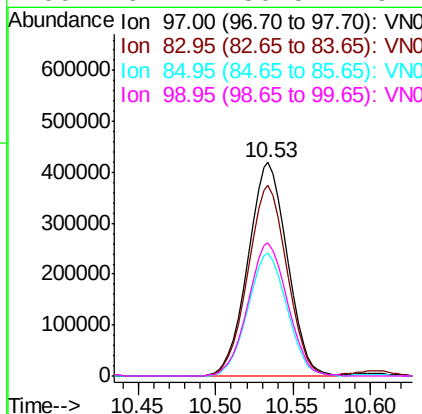
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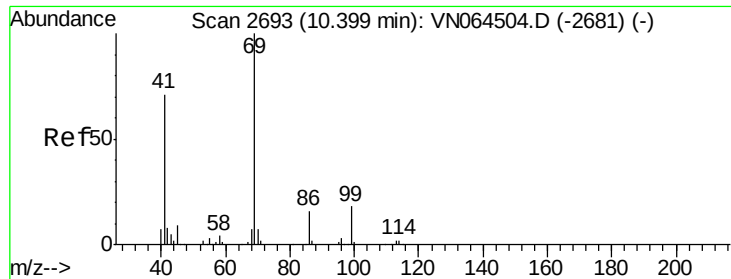


#50

1,1,2-Trichloroethane
Concen: 167.388 ug/l
RT: 10.53 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN064507.D
Acq: 9 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.3	74.2	111.4
85	57.4	44.8	67.2
99	62.1	50.5	75.7





#51

Ethyl methacrylate

Concen: 188.296 ug/l

RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN064507.D

Acq: 9 Nov 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 69 Resp: 1198384

Ion Ratio Lower Upper

69 100

41 71.8 35.4 106.1

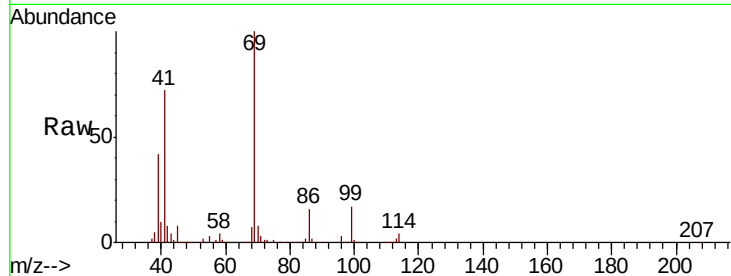
39 41.5 24.1 72.2

Manual Integrations

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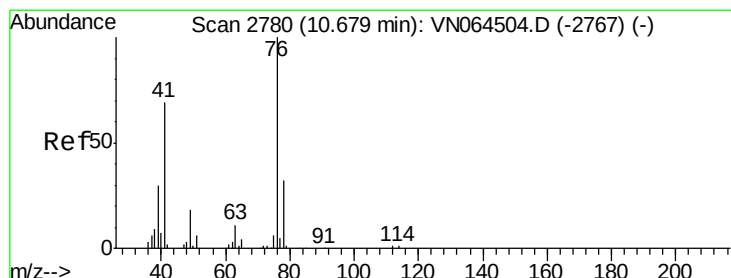
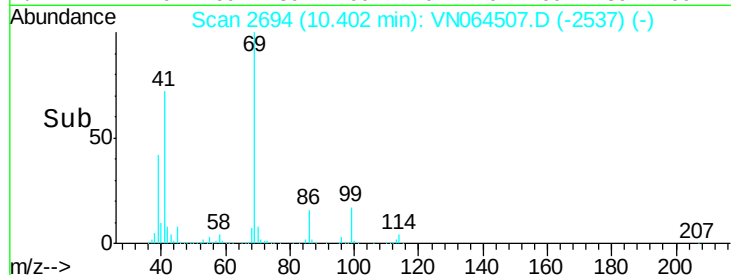
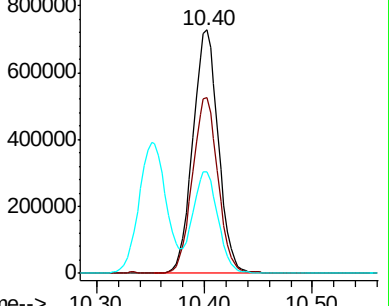
11/10/2020 1:10:35 PM



Abundance Ion 69.00 (68.70 to 69.70): VN064507.D (-2681) (-)

Ion 41.00 (40.70 to 41.70): VN064507.D (-2681) (-)

Ion 39.00 (38.70 to 39.70): VN064507.D (-2681) (-)



#52

1,3-Dichloropropane

Concen: 176.540 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064507.D

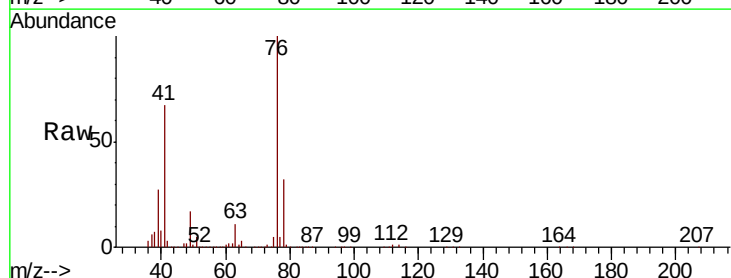
Acq: 9 Nov 2020 13:01

Tgt Ion: 76 Resp: 1320107

Ion Ratio Lower Upper

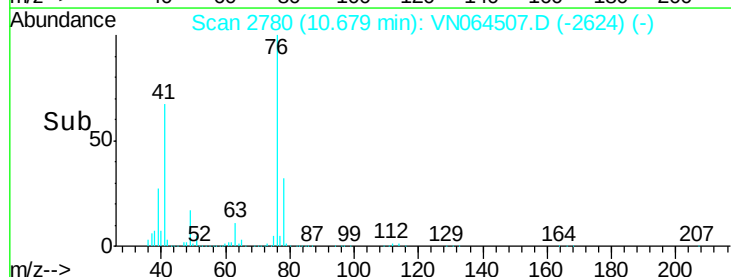
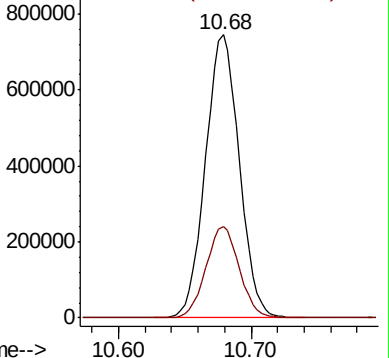
76 100

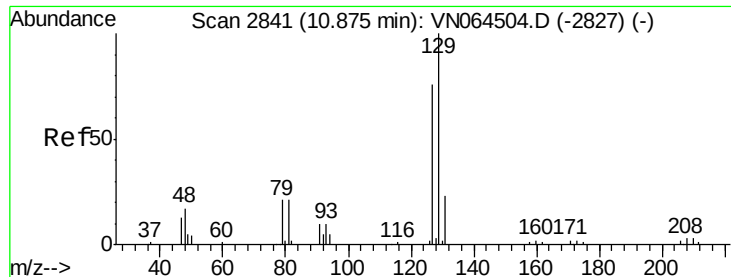
78 32.0 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VN064507.D (-2767) (-)

Ion 78.00 (77.70 to 78.70): VN064507.D (-2767) (-)





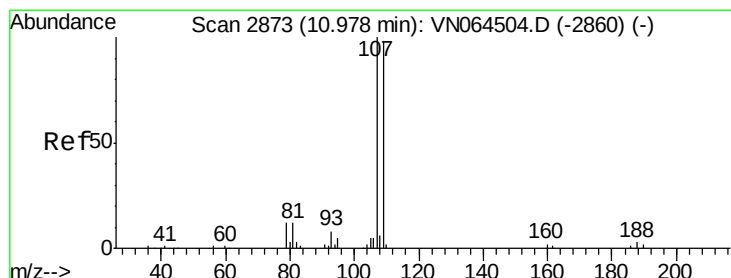
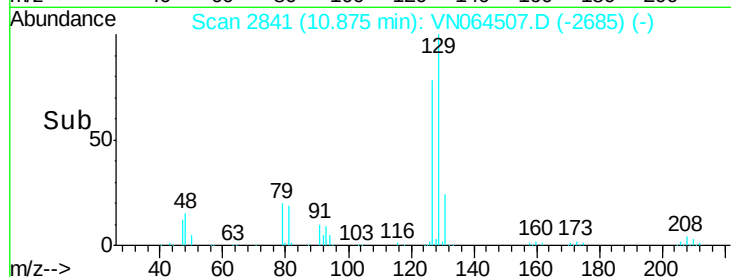
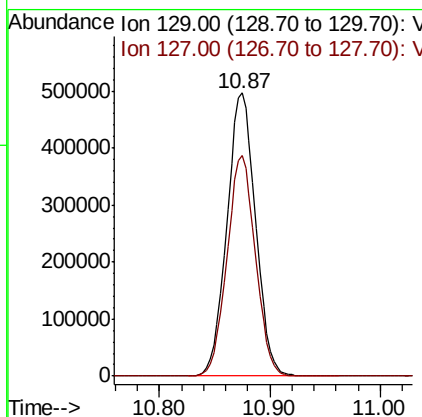
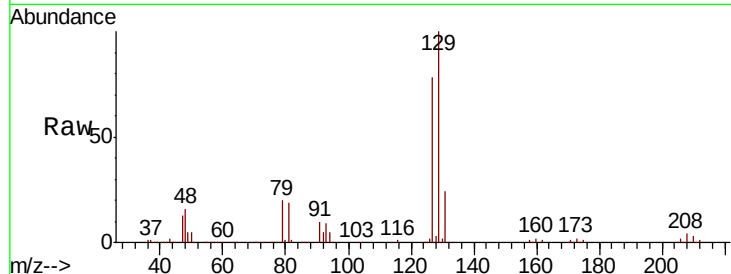
#53
 Dibromochloromethane
 Concen: 164.859 ug/l
 RT: 10.87 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VN064507.D
 Acq: 9 Nov 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.1	117.2

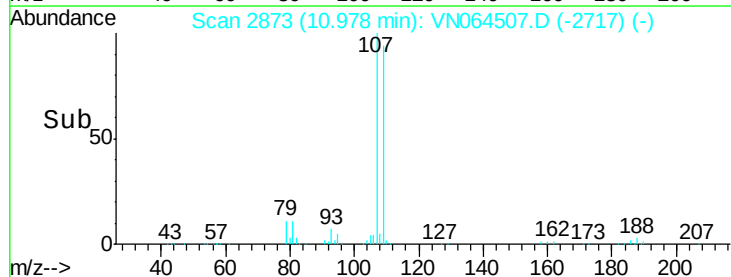
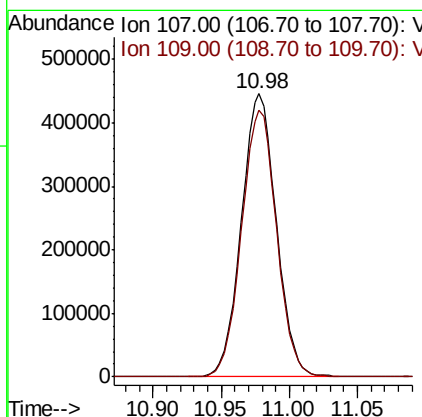
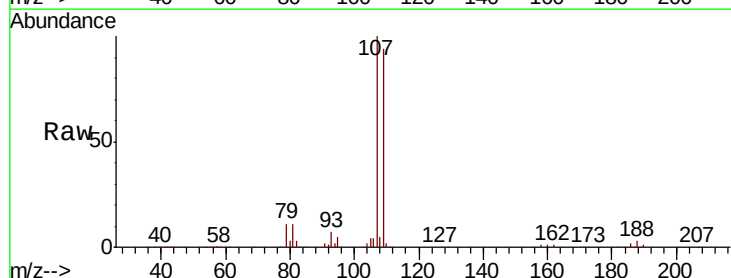
Manual Integrations
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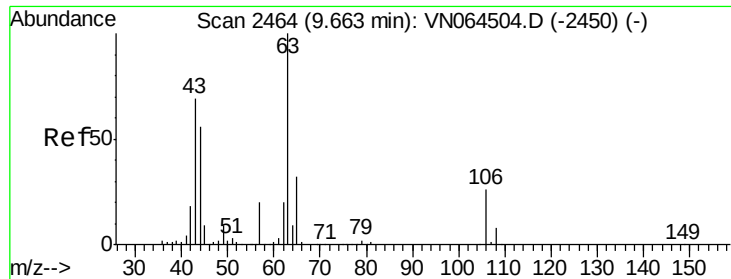
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#54
 1,2-Dibromoethane
 Concen: 167.858 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064507.D
 Acq: 9 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.8	77.2	115.8





#55

2-Chloroethyl vinyl ether

Concen: 868.147 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064507.D

Acq: 9 Nov 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 3009774

Ion Ratio Lower Upper

63 100

65 31.9 25.7 38.5

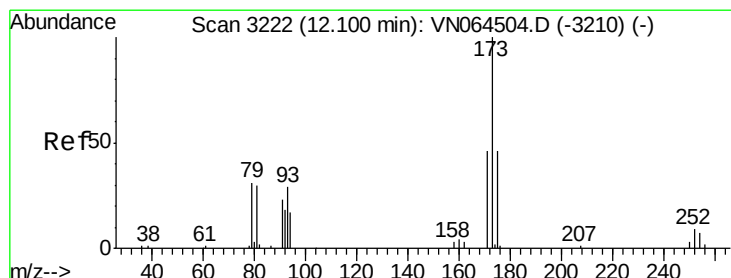
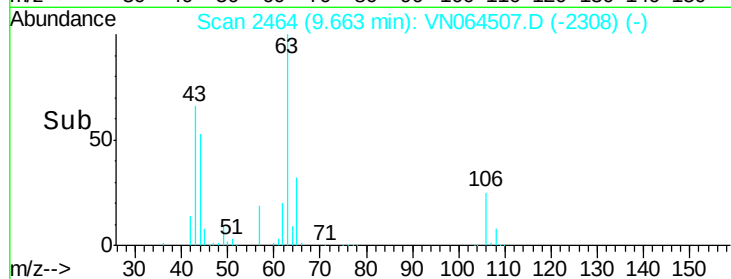
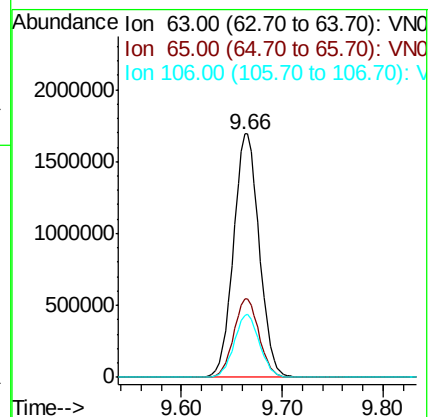
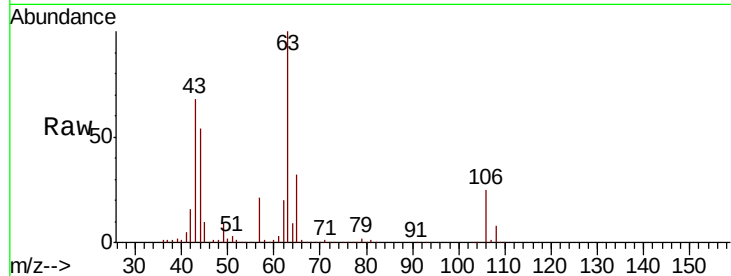
106 25.5 19.9 29.9

Manual Integrations

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#56

Bromoform

Concen: 158.529 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064507.D

Acq: 9 Nov 2020 13:01

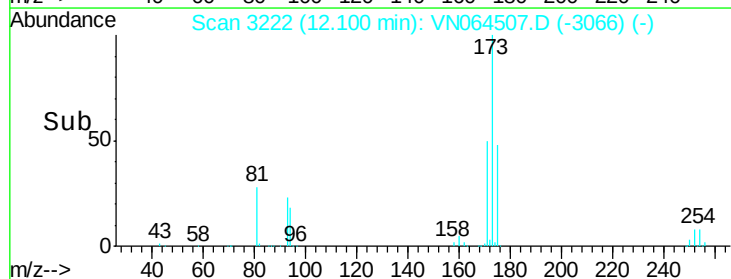
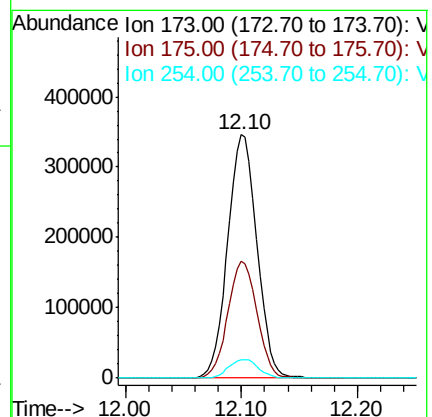
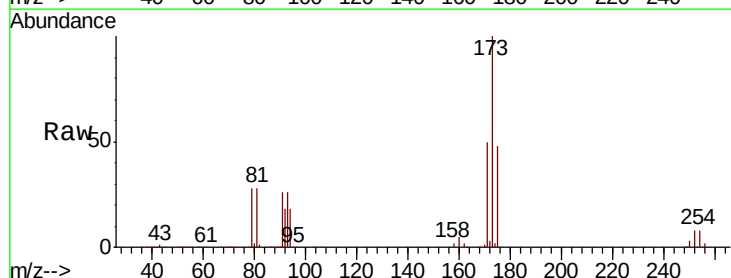
Tgt Ion: 173 Resp: 602867

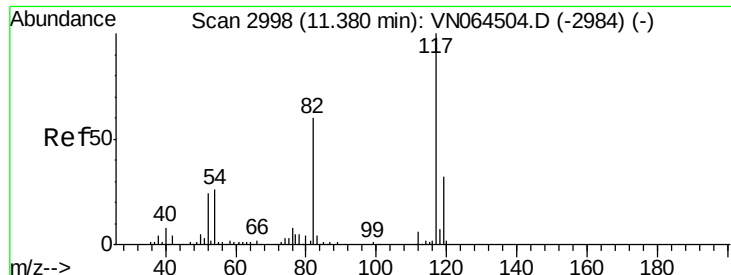
Ion Ratio Lower Upper

173 100

175 47.9 37.1 55.7

254 7.7 5.4 8.2





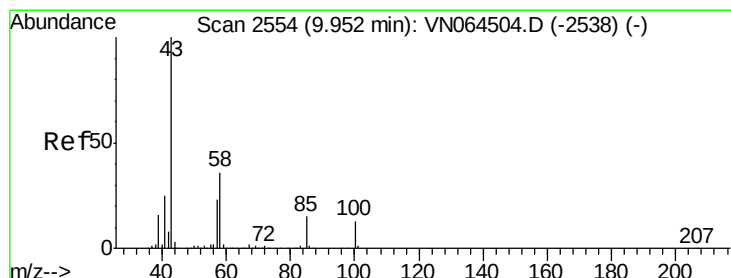
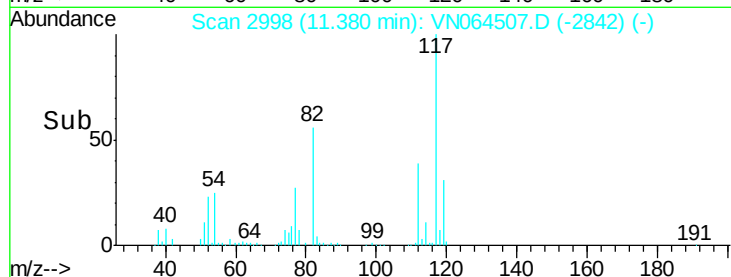
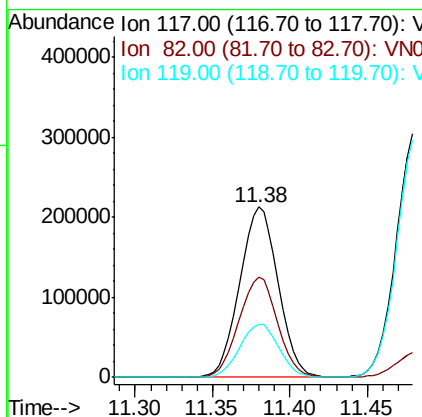
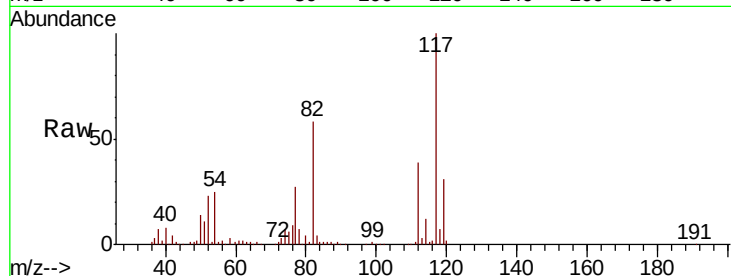
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064507.D
Acq: 9 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.0	47.8	71.8
119	31.8	25.7	38.5

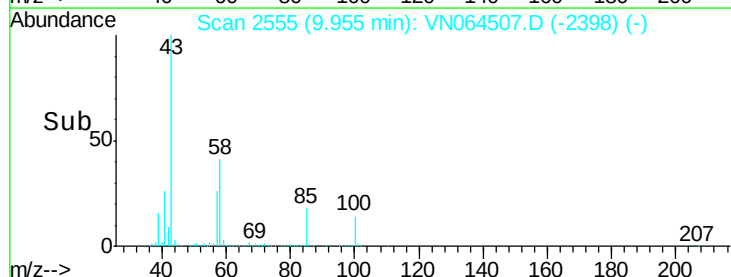
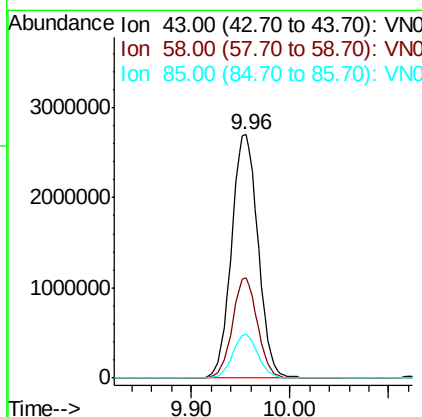
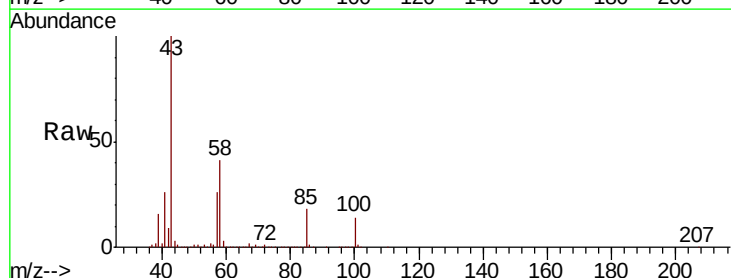
Manual Integrations
APPROVED

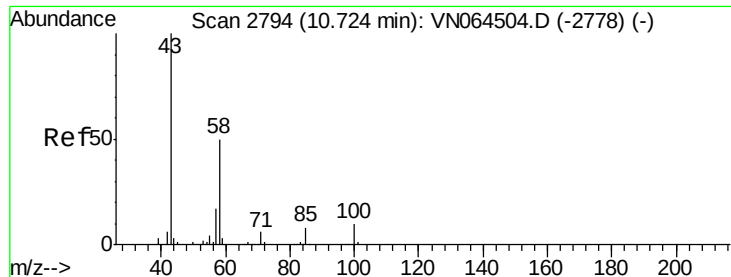
MMDadoda
11/10/2020 1:10:35 PM



#58
4-Methyl-2-Pentanone
Concen: 846.510 ug/l
RT: 9.96 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN064507.D
Acq: 9 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.0	28.8	43.2
85	17.1	12.3	18.5





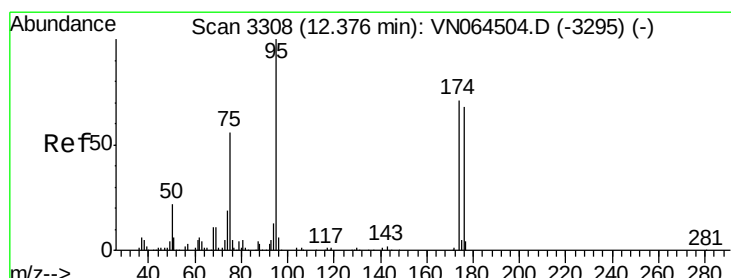
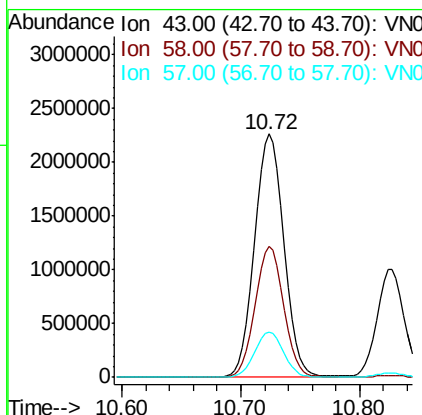
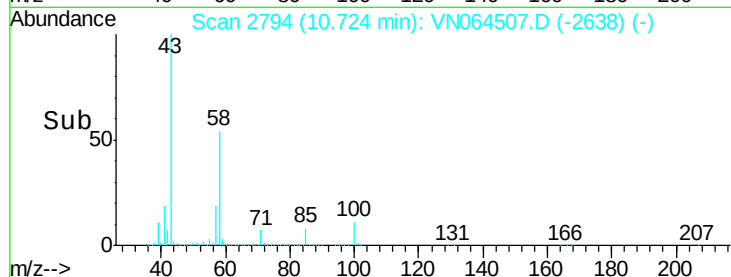
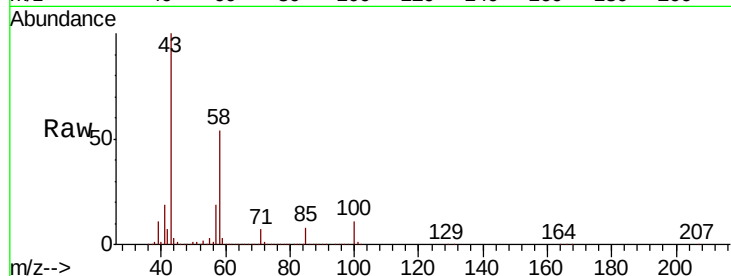
#59
2-Hexanone
Concen: 876.464 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064507.D
Acq: 9 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.5	38.2	57.4
57	18.5	13.8	20.8

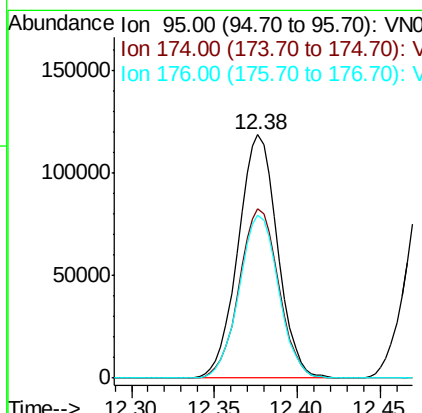
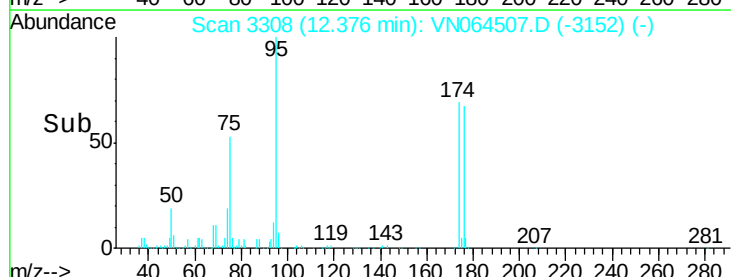
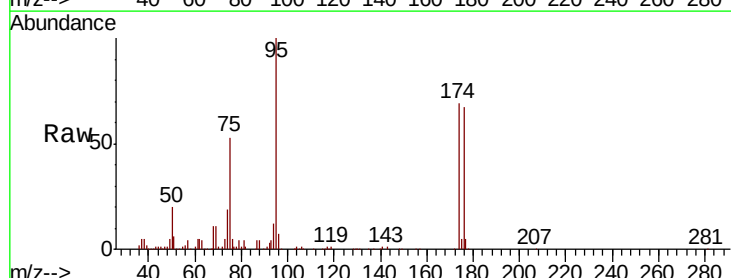
Manual Integrations
APPROVED

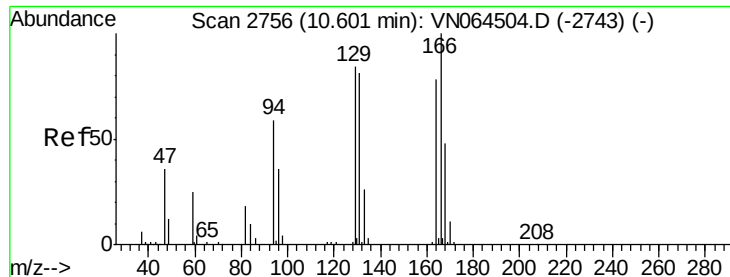
MMDadoda
11/10/2020 1:10:35 PM



#60
4-Bromofluorobenzene
Concen: 31.333 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064507.D
Acq: 9 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.0	56.4	84.6
176	67.1	53.3	79.9





#61

Tetrachloroethene

Concen: 141.505 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064507.D

Acq: 9 Nov 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 694117

Ion Ratio Lower Upper

164 100

166 126.7 103.2 154.8

129 106.5 86.4 129.6

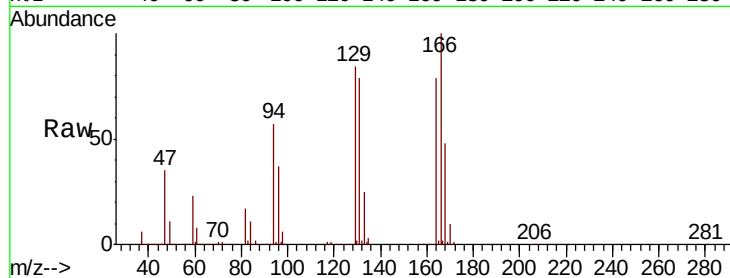
131 100.2 84.0 126.0

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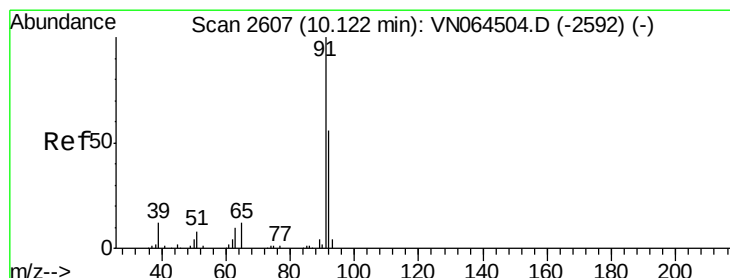
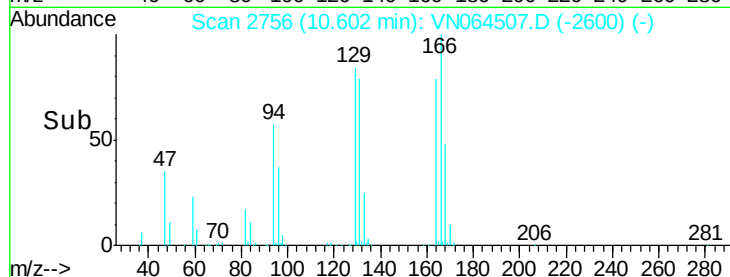
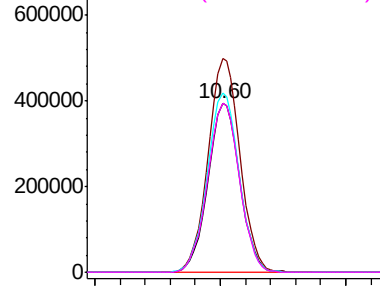


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 160.968 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064507.D

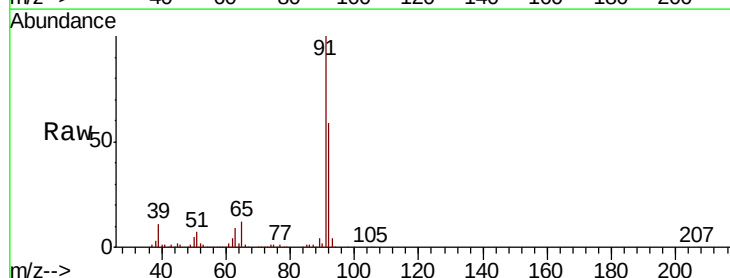
Acq: 9 Nov 2020 13:01

Tgt Ion: 91 Resp: 3340271

Ion Ratio Lower Upper

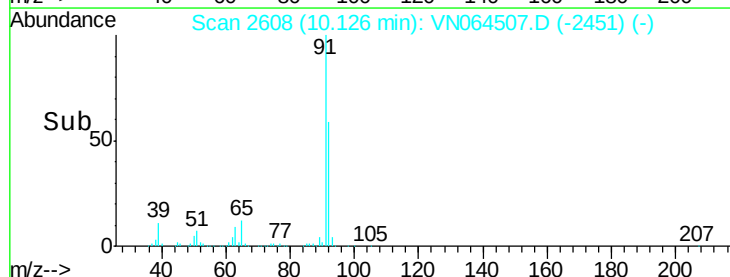
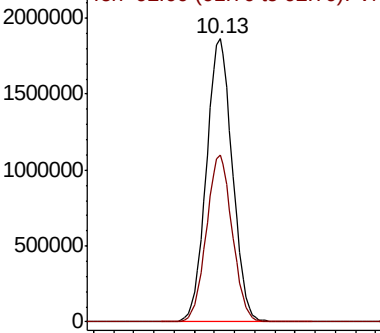
91 100

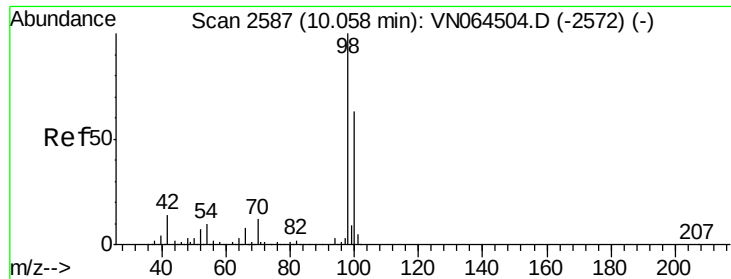
92 58.5 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.282 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064507.D

Acq: 9 Nov 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tot Ion: 98 Resp: 504888

Ion Ratio Lower Upper

98 100

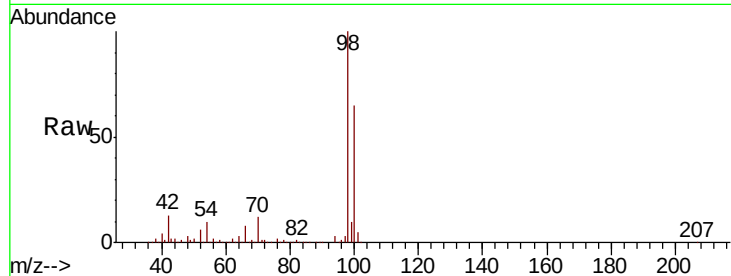
100 65.8 49.4 74.2

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Abundance Ion 98.00 (97.70 to 98.70): VN064507.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064507.D (-2572) (-)

400000

300000

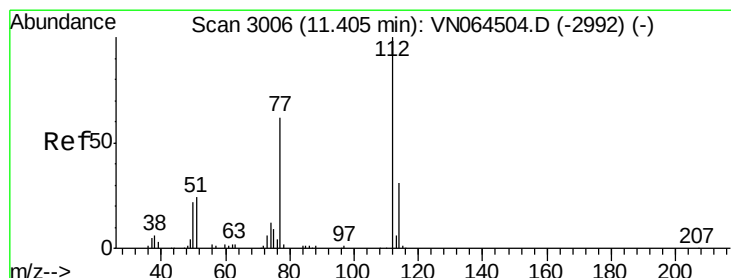
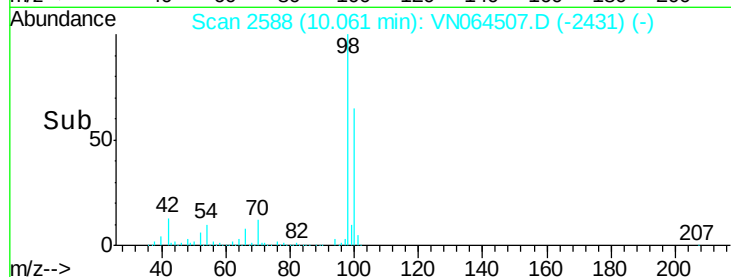
200000

100000

0

10.00 10.05 10.10

Time-->



#64

Chlorobenzene

Concen: 159.012 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064507.D

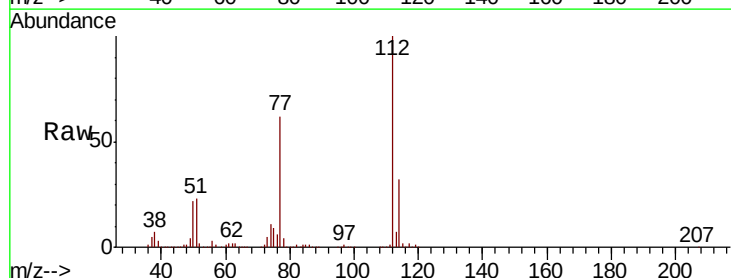
Acq: 9 Nov 2020 13:01

Tgt Ion: 112 Resp: 2043795

Ion Ratio Lower Upper

112 100

114 31.6 25.0 37.6



Abundance Ion 112.00 (111.70 to 112.70): VN064507.D (-2992) (-)

Ion 114.00 (113.70 to 114.70): VN064507.D (-2992) (-)

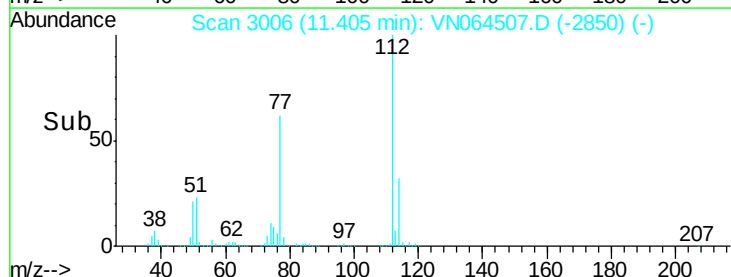
1000000

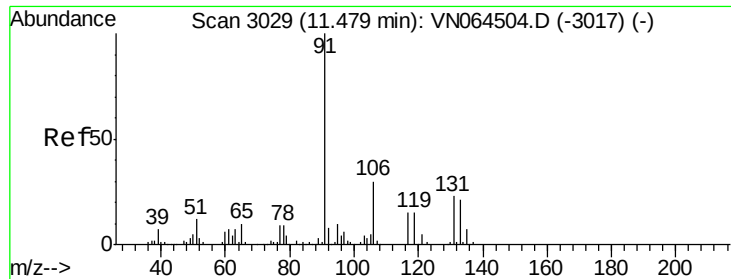
500000

0

11.30 11.40 11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 158.571 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064507.D

Acq: 9 Nov 2020 13:01

Instrument :

MSVOA_N

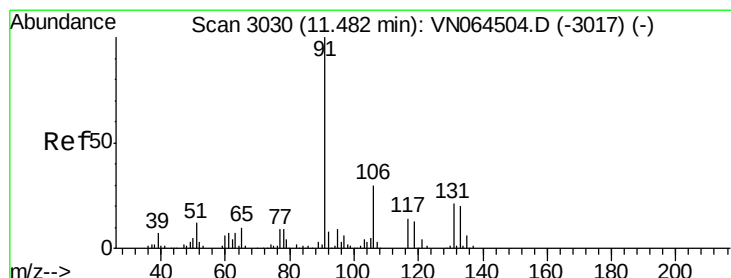
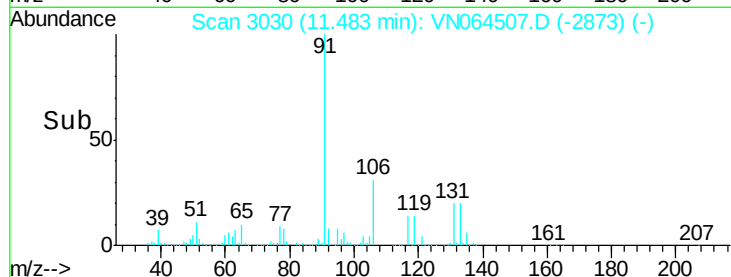
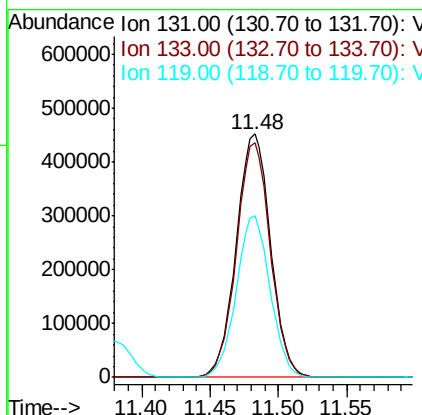
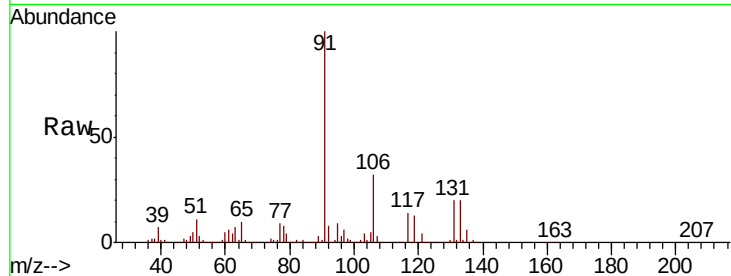
ClientSampleId :

VSTDIC150

Tot Ion:	131	Resp:	790127
Ion Ratio	Lower	Upper	
131	100		
133	95.3	0.0	191.2
119	65.1	0.0	131.6

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#66

Ethyl Benzene

Concen: 165.600 ug/l

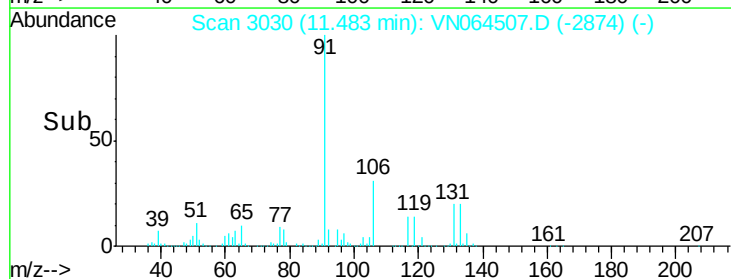
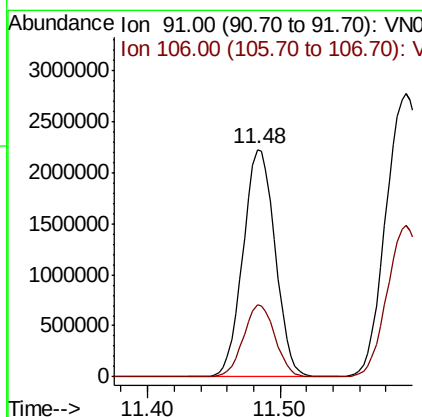
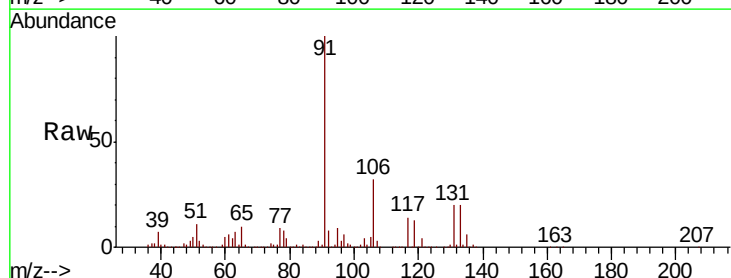
RT: 11.48 min Scan# 3030

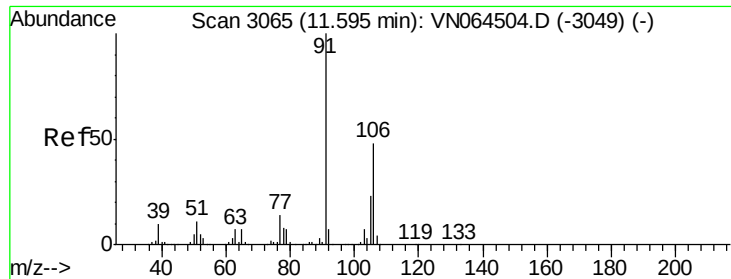
Delta R.T. 0.00 min

Lab File: VN064507.D

Acq: 9 Nov 2020 13:01

Tgt Ion:	91	Resp:	3751298
Ion Ratio	Lower	Upper	
91	100		
106	31.5	23.9	35.9





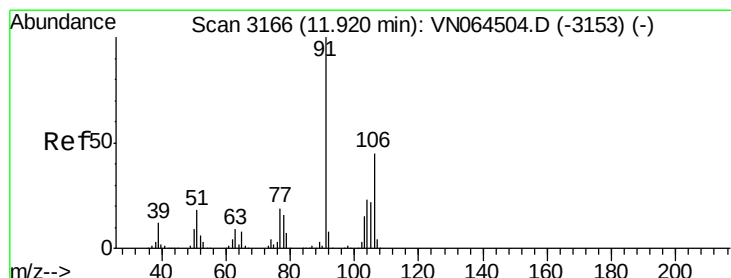
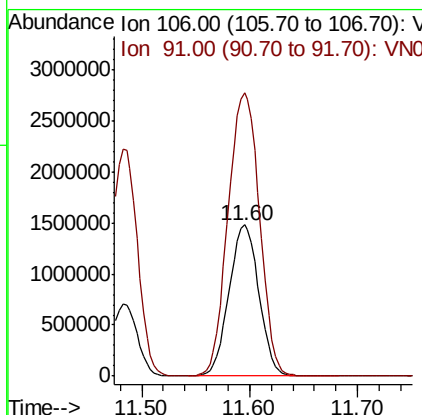
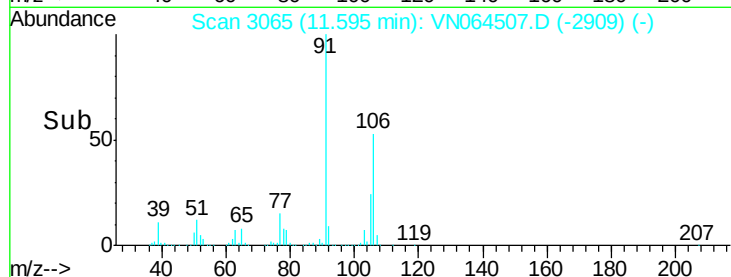
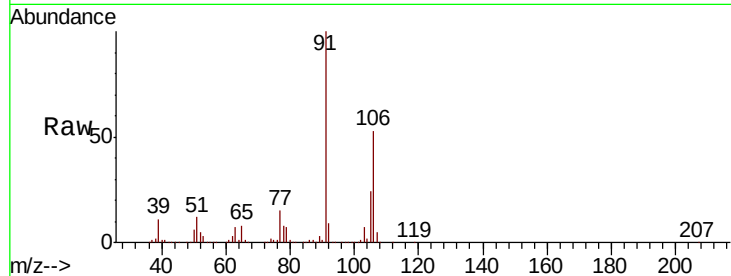
#67
m/p-Xylenes
Concen: 334.888 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064507.D
Acq: 9 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 2855556
Ion Ratio Lower Upper
106 100
91 197.4 168.8 253.2

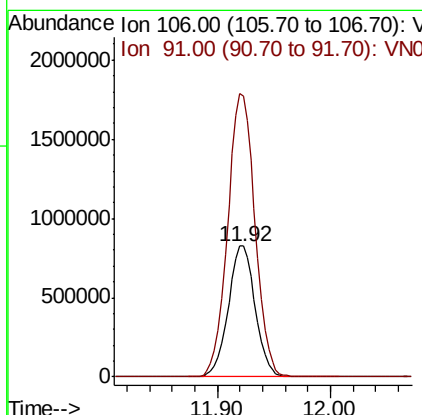
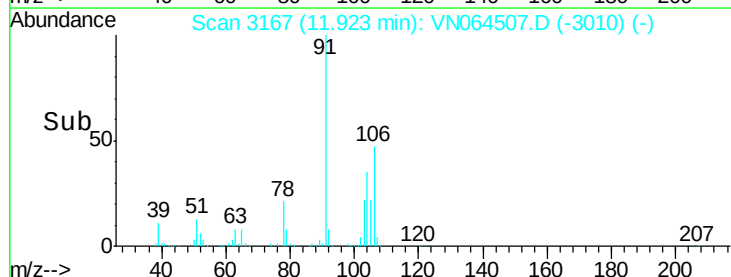
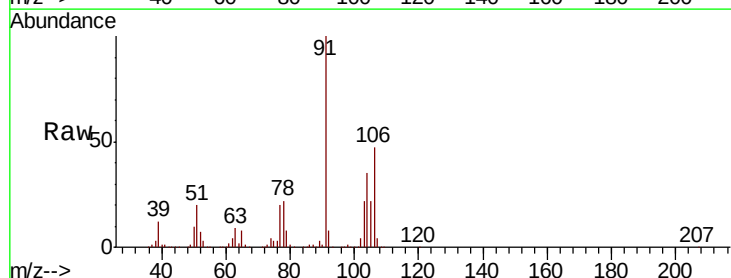
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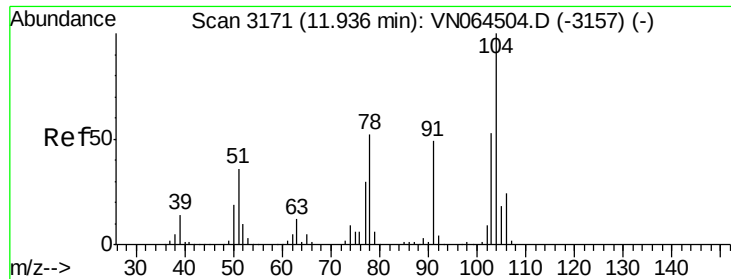
MMDadoda
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#68
o-Xylene
Concen: 166.183 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064507.D
Acq: 9 Nov 2020 13:01

Tgt Ion:106 Resp: 1358839
Ion Ratio Lower Upper
106 100
91 220.5 109.7 329.2





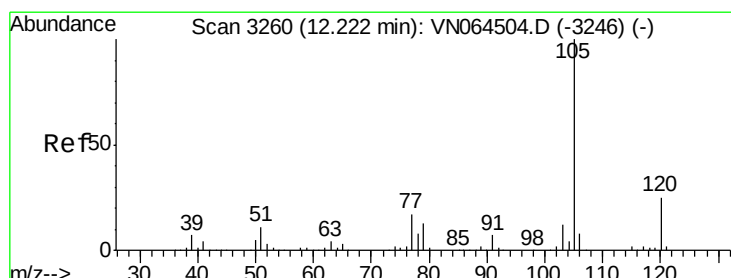
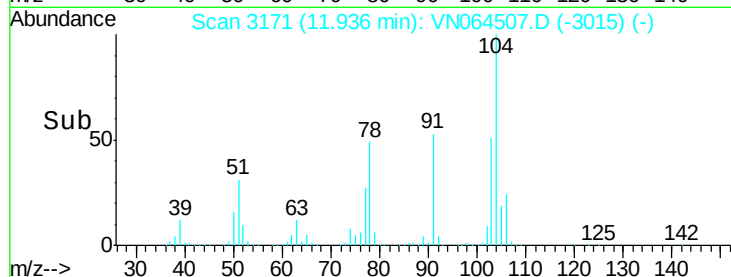
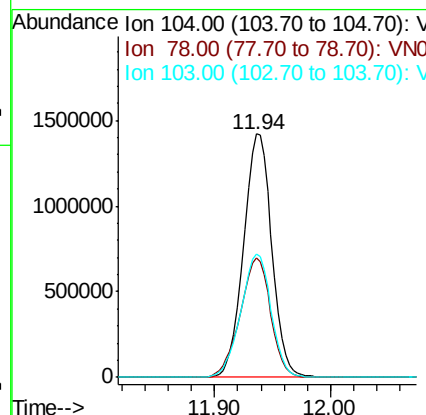
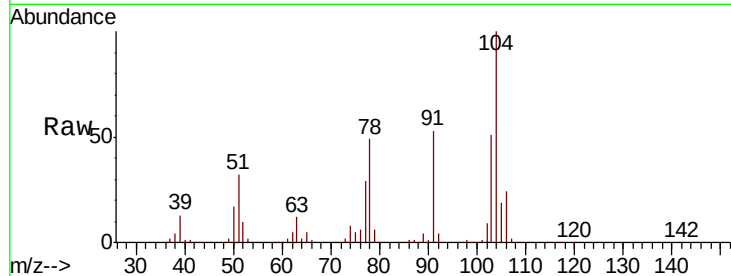
#69
Stvrene
Concen: 174.729 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064507.D
Acq: 9 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:104 Resp: 2398204
Ion Ratio Lower Upper
104 100
78 53.0 44.4 66.6
103 54.5 44.6 67.0

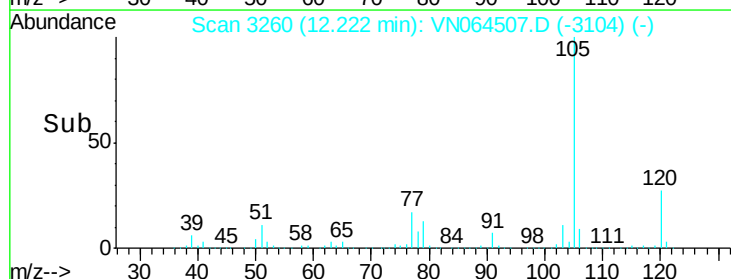
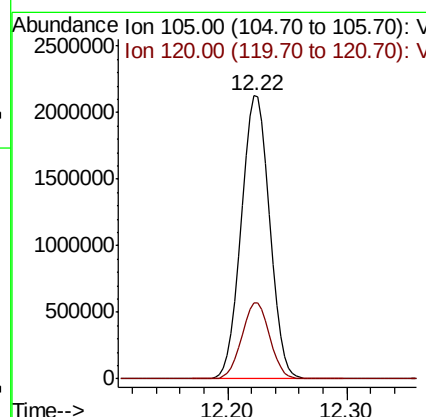
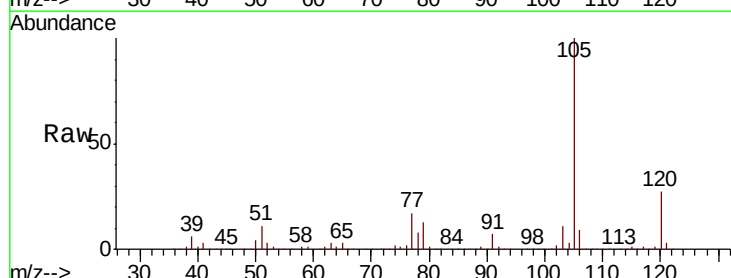
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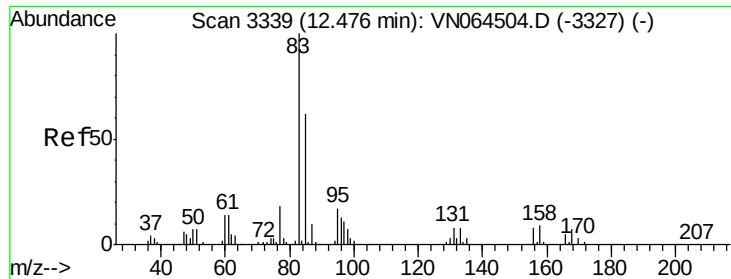
MMDadoda
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#70
Isopropylbenzene
Concen: 166.147 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064507.D
Acq: 9 Nov 2020 13:01

Tgt Ion:105 Resp: 3521755
Ion Ratio Lower Upper
105 100
120 26.5 17.9 33.3





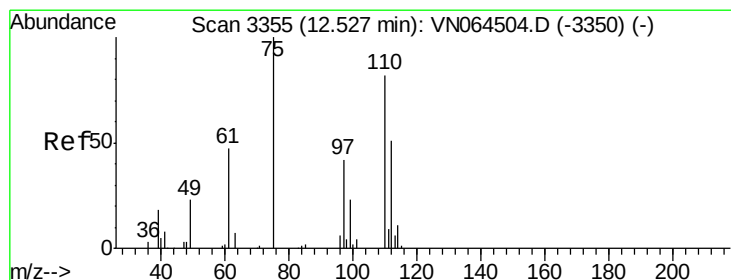
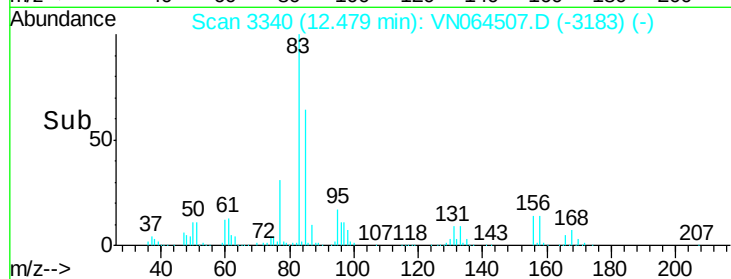
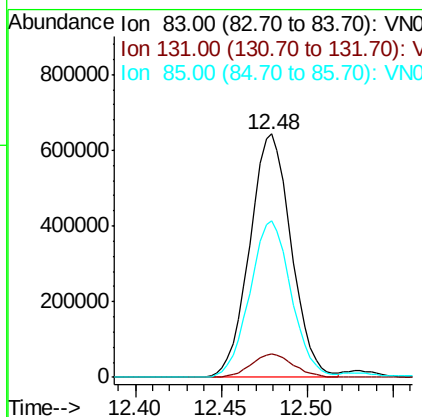
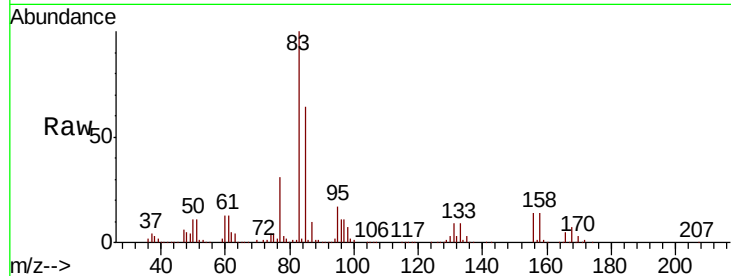
#71
 1,1,2,2-Tetrachloroethane
 Concen: 178.105 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VN064507.D
 Acq: 9 Nov 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 83 Resp: 1077813
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.6 13.8
 85 64.0 31.4 94.0

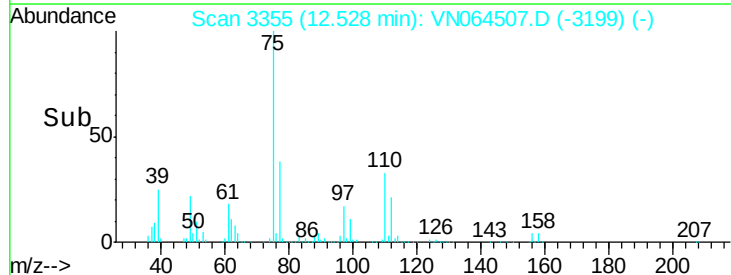
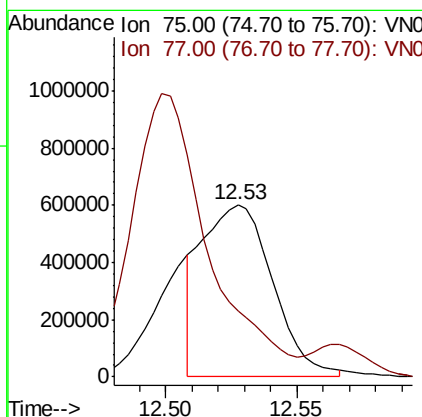
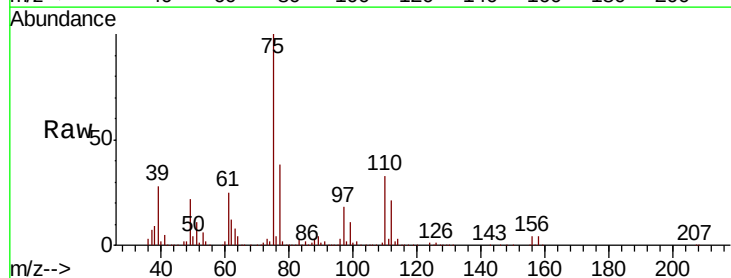
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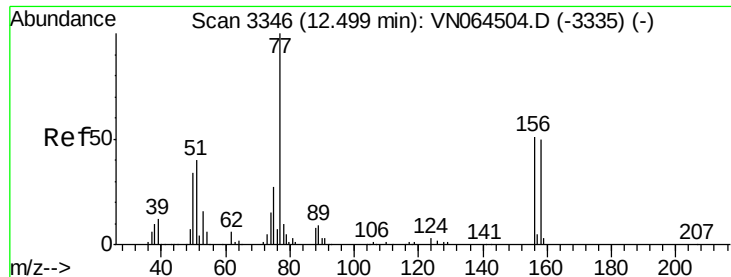
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 11/10/2020 1:10:35 PM



#72
 1,2,3-Trichloropropane
 Concen: 181.092 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN064507.D
 Acq: 9 Nov 2020 13:01

Tgt Ion: 75 Resp: 1129157
 Ion Ratio Lower Upper
 75 100
 77 178.1 0.0 379.4





#73

Bromobenzene

Concen: 157.095 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064507.D

Acq: 9 Nov 2020 13:01

Instrument :

MSVOA_N

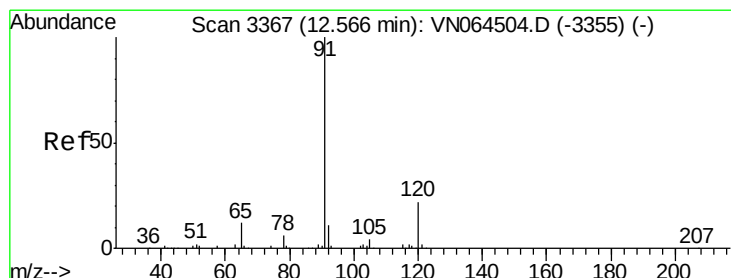
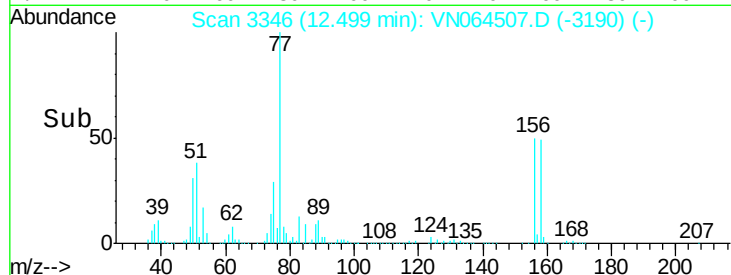
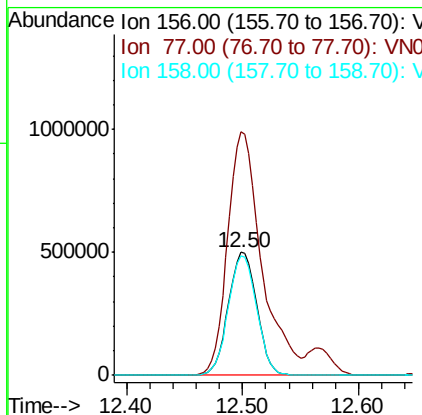
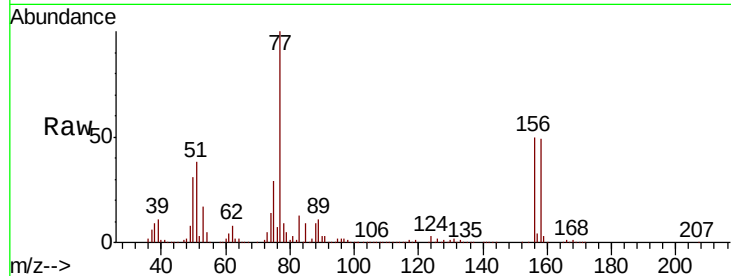
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	235.8	0.0	480.2
158	97.0	0.0	194.0

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#74

n-propylbenzene

Concen: 173.168 ug/l

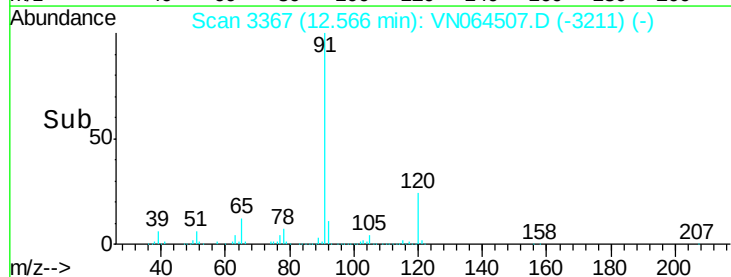
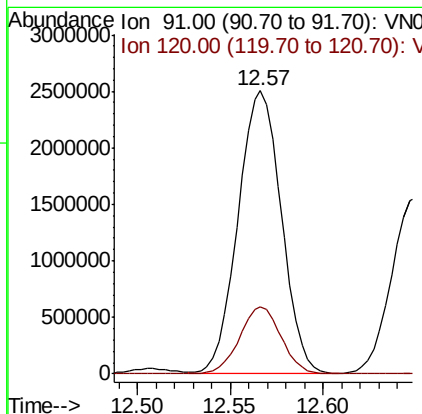
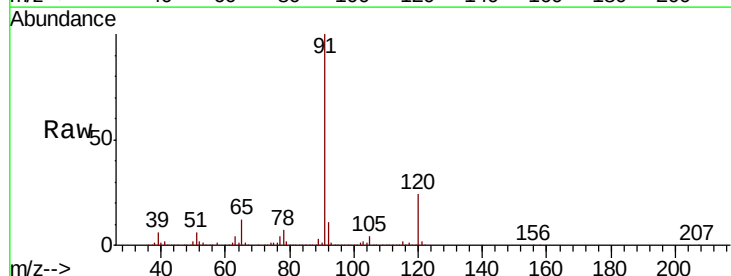
RT: 12.57 min Scan# 3367

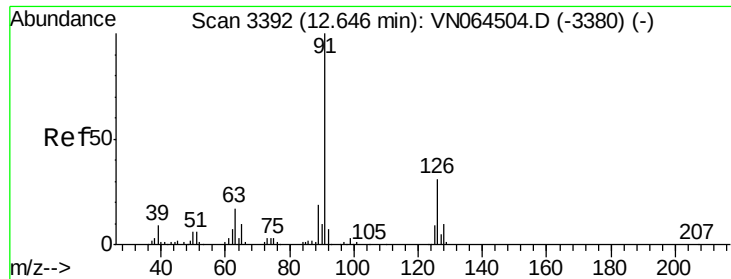
Delta R.T. 0.00 min

Lab File: VN064507.D

Acq: 9 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	0.0	42.8





#75

2-Chlorotoluene

Concen: 173.067 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064507.D

Acq: 9 Nov 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2576994

Ion Ratio Lower Upper

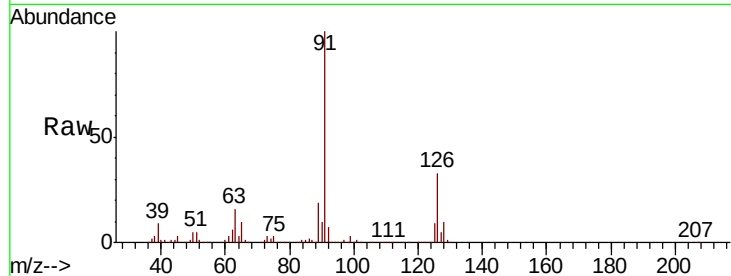
91 100

126 32.3 0.0 61.8

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Abundance Ion 91.00 (90.70 to 91.70): VN064507.D (-3236) (-)

Ion 126.00 (125.70 to 126.70): VN064507.D (-3236) (-)

2000000

1500000

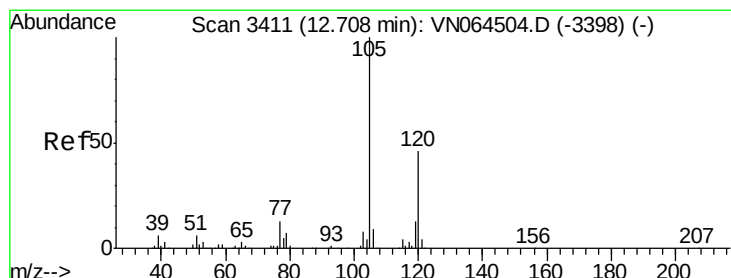
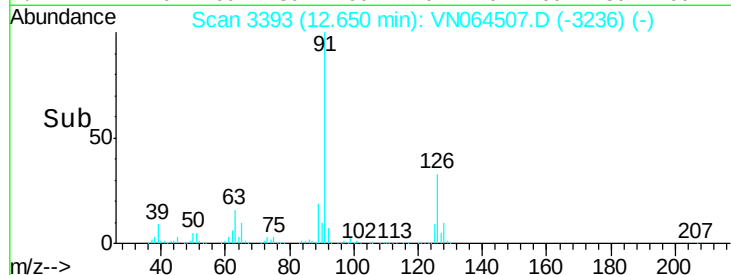
1000000

500000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 169.997 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064507.D

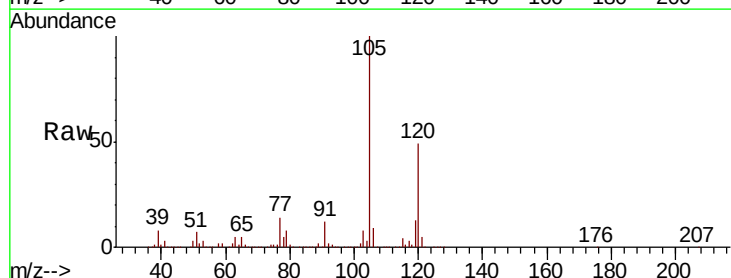
Acq: 9 Nov 2020 13:01

Tgt Ion:105 Resp: 2994994

Ion Ratio Lower Upper

105 100

120 48.0 0.0 90.4



Abundance Ion 105.00 (104.70 to 105.70): VN064507.D (-3255) (-)

Ion 120.00 (119.70 to 120.70): VN064507.D (-3255) (-)

2000000

1500000

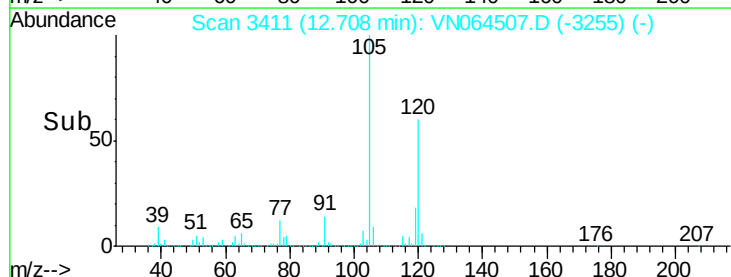
1000000

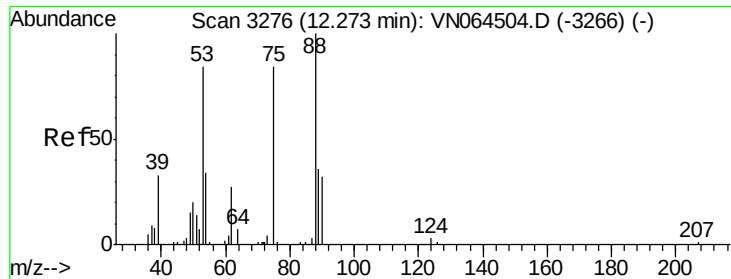
500000

0

12.60 12.70 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 191.168 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064507.D

Acq: 9 Nov 2020 13:01

Instrument :

MSVOA_N

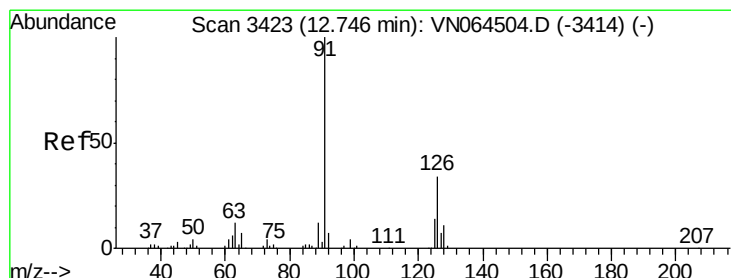
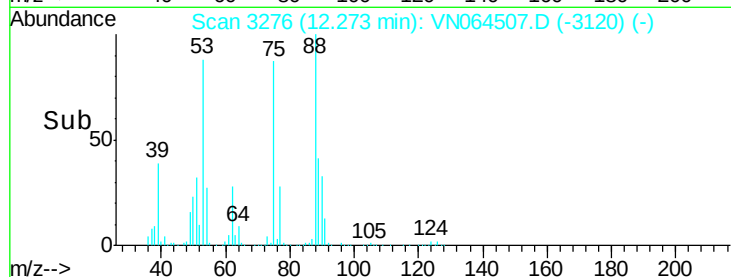
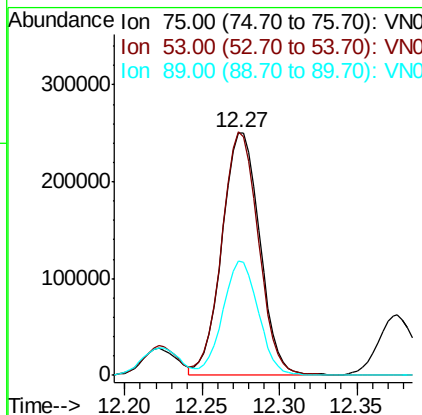
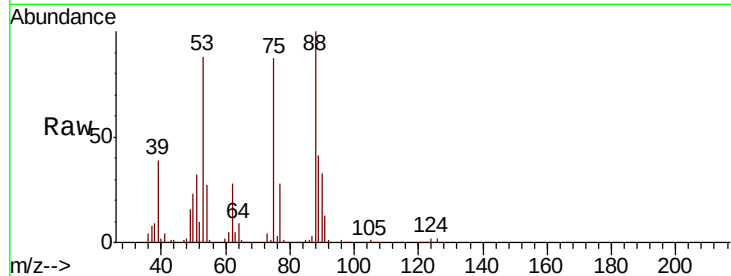
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	423973
Ion	Ratio	Lower	Upper
75	100		
53	100.3	50.3	150.9
89	47.0	23.3	69.8

Manual Integrations
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11/10/2020 1:10:35 PM



#78

4-Chlorotoluene

Concen: 177.794 ug/l

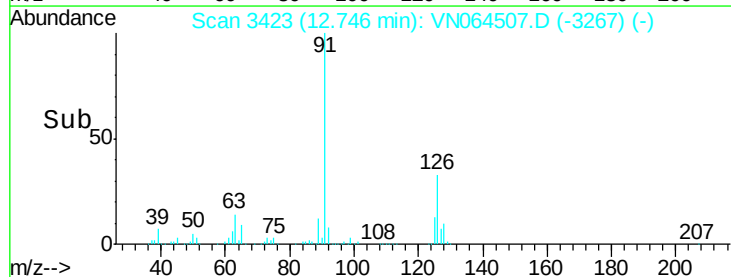
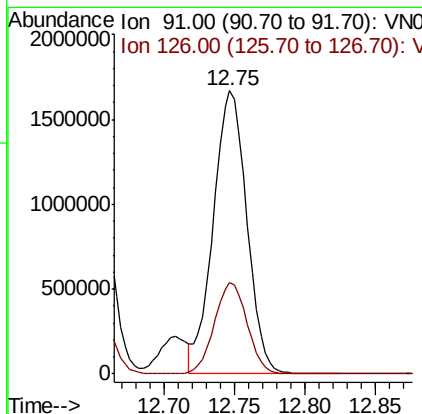
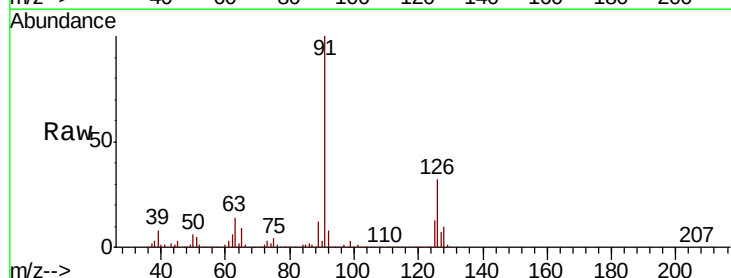
RT: 12.75 min Scan# 3423

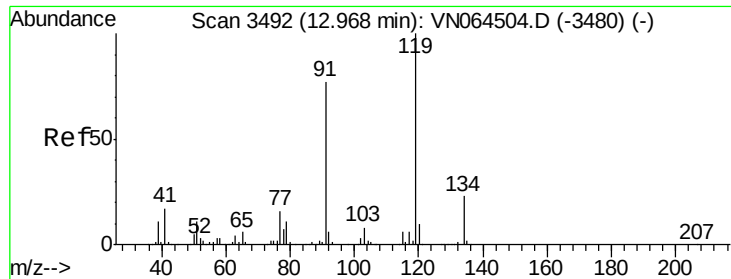
Delta R.T. 0.00 min

Lab File: VN064507.D

Acq: 9 Nov 2020 13:01

Tgt Ion:	91	Resp:	2749511
Ion	Ratio	Lower	Upper
91	100		
126	31.6	0.0	61.8





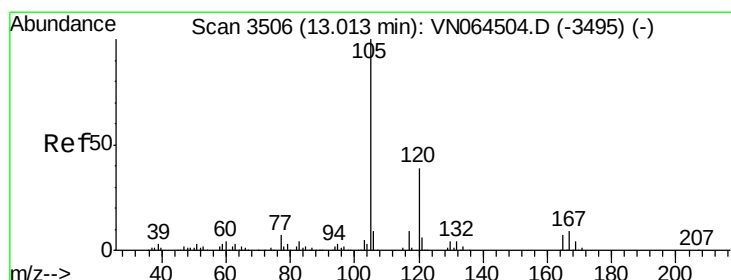
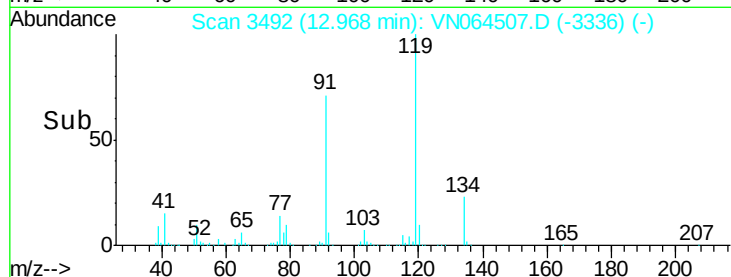
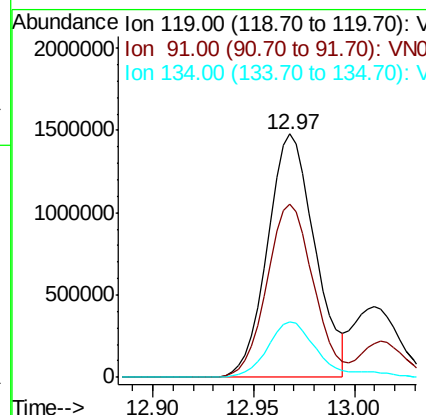
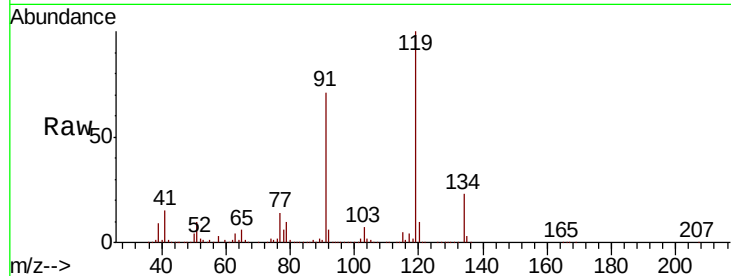
#79
tert-butylbenzene
Concen: 174.185 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064507.D
Acq: 9 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.1	0.0	147.8
134	23.0	0.0	50.6

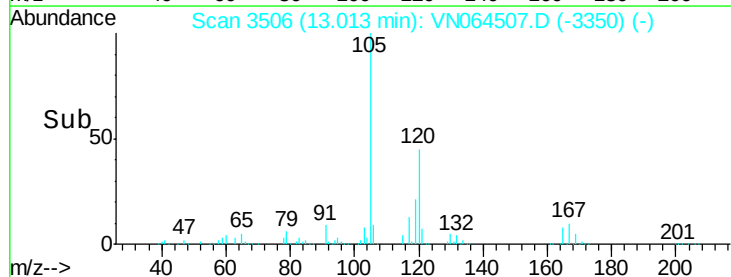
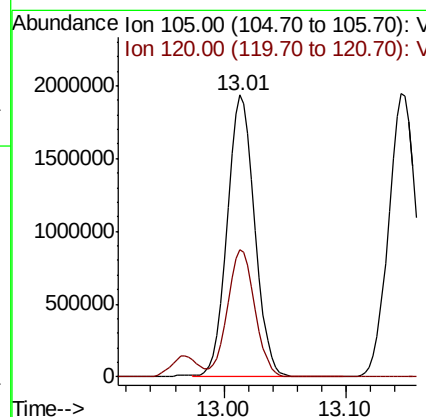
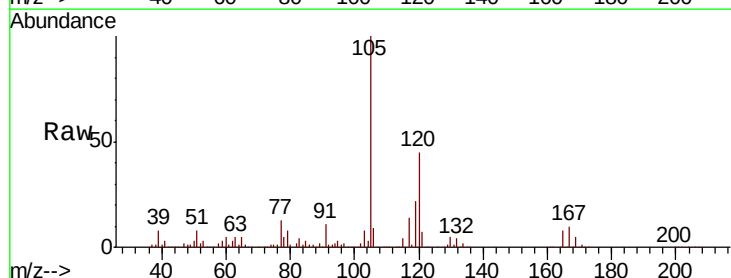
Manual Integrations
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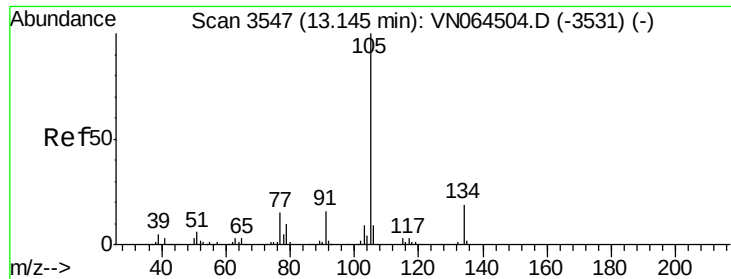
MMDadoda
11/10/2020 1:10:35 PM



#80
1,2,4-Trimethylbenzene
Concen: 172.631 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064507.D
Acq: 9 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	0.0	88.6





#81

sec-Butylbenzene

Concen: 175.569 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN064507.D

Acq: 9 Nov 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3127124

Ion Ratio Lower Upper

105 100

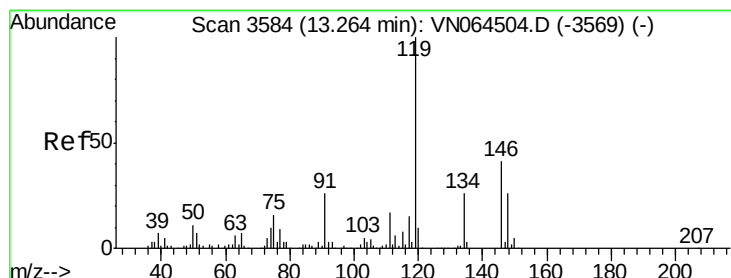
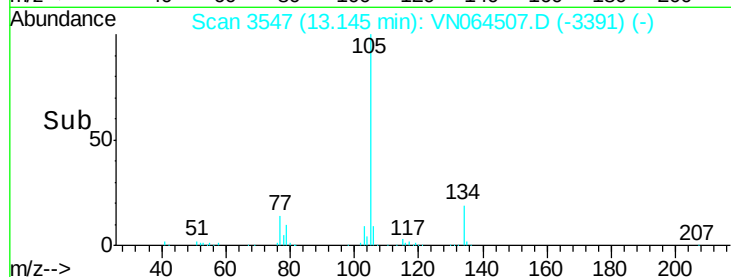
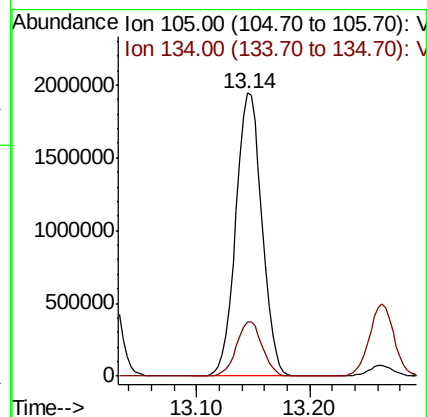
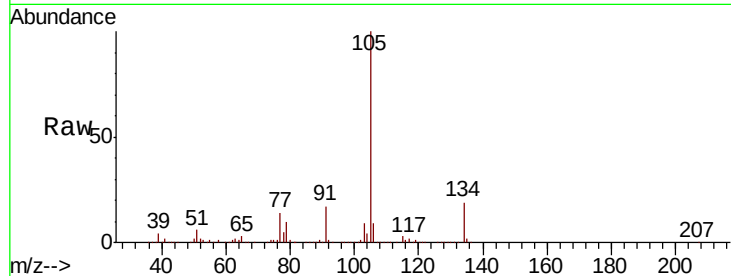
134 19.1 0.0 37.8

Manual Integrations

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#82

p-Isopropyltoluene

Concen: 177.754 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064507.D

Acq: 9 Nov 2020 13:01

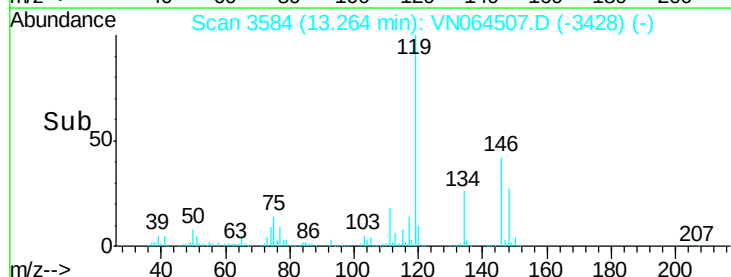
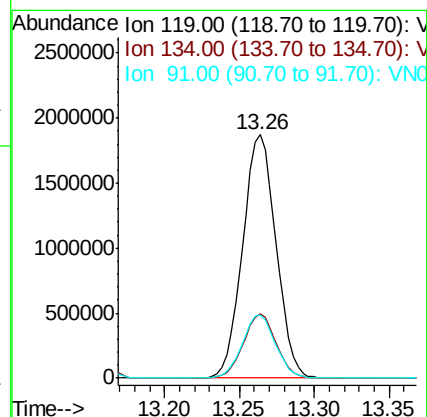
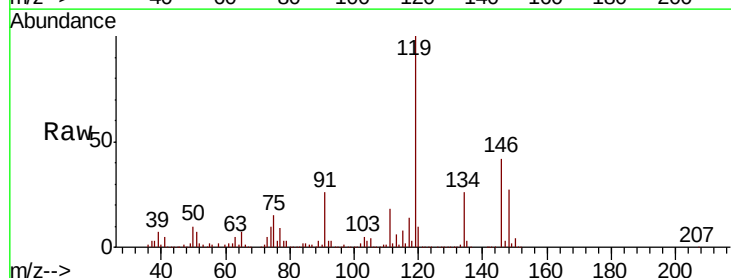
Tgt Ion:119 Resp: 2893300

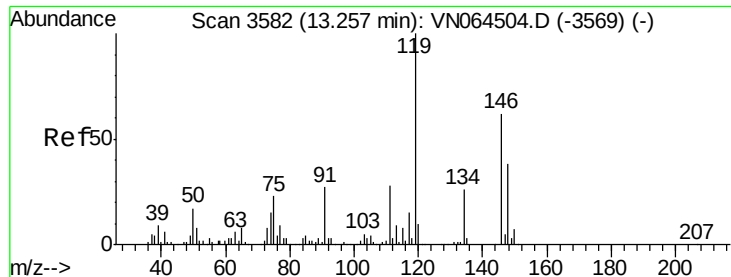
Ion Ratio Lower Upper

119 100

134 25.9 0.0 53.0

91 25.7 0.0 53.2





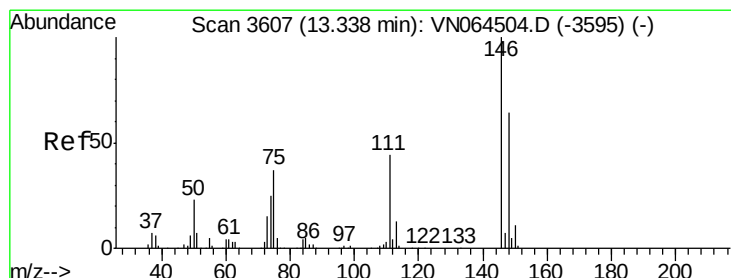
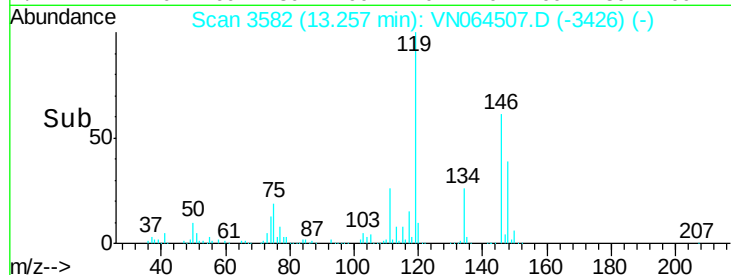
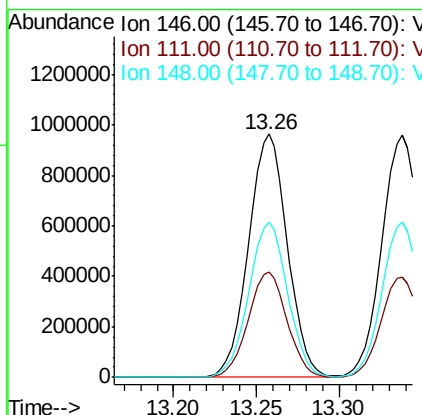
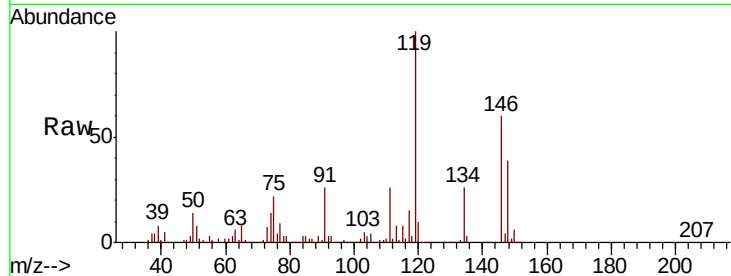
#83
 1,3-Dichlorobenzene
 Concen: 167.832 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064507.D
 Acq: 9 Nov 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1566632
 Ion Ratio Lower Upper
 146 100
 111 43.2 22.3 66.9
 148 63.9 31.8 95.3

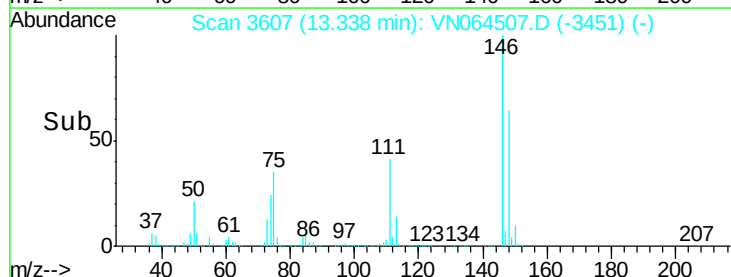
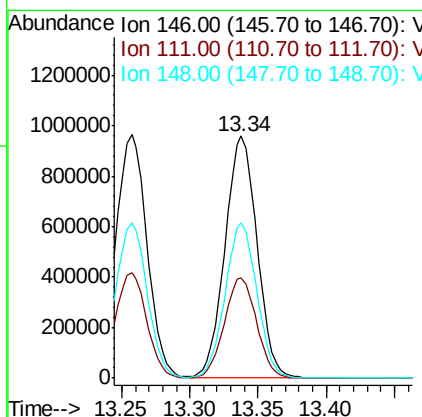
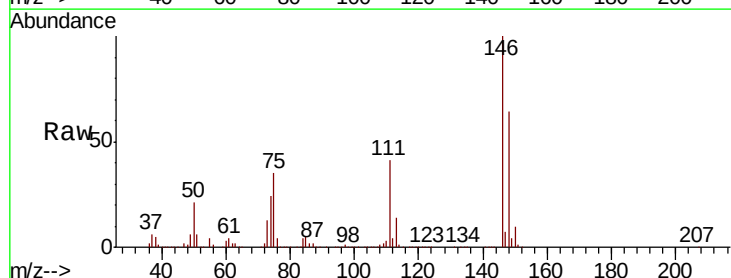
Manual Integrations
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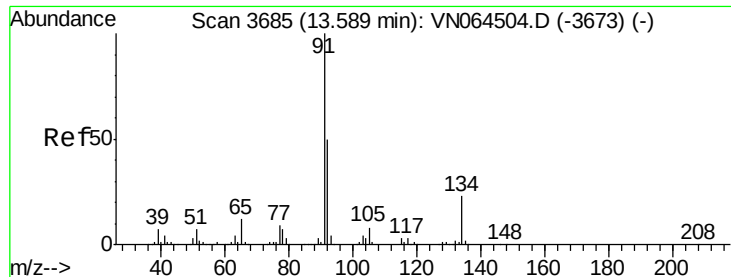
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#84
 1,4-Dichlorobenzene
 Concen: 167.106 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064507.D
 Acq: 9 Nov 2020 13:01

Tgt Ion:146 Resp: 1562869
 Ion Ratio Lower Upper
 146 100
 111 41.5 21.8 65.4
 148 63.8 31.5 94.5





#85

n-Butylbenzene

Concen: 196.499 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064507.D

Acq: 9 Nov 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tot Ion: 91 Resp: 2564522

Ion Ratio Lower Upper

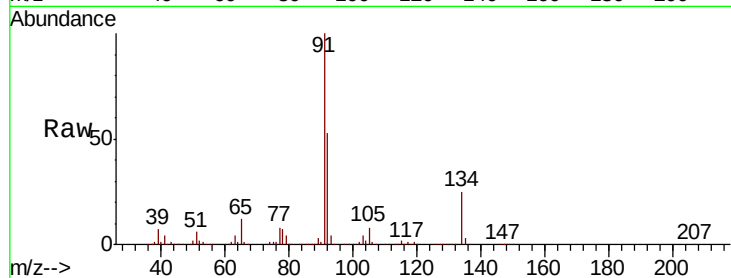
91 100

92 52.1 0.0 101.4

134 24.4 0.0 45.2

Manual Integrations
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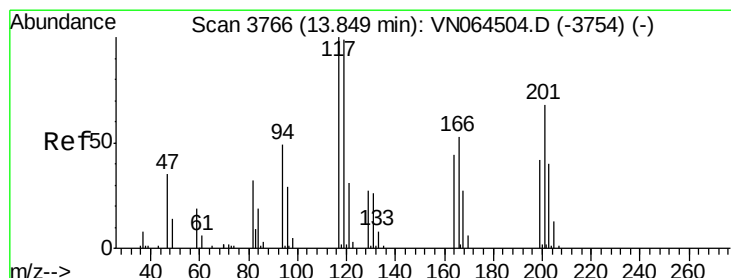
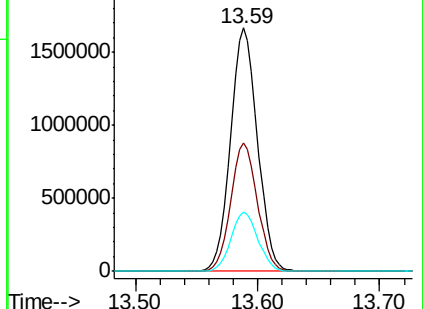
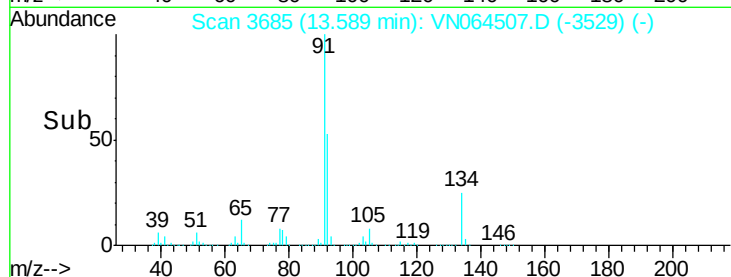
MMDadoda
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Abundance Ion 91.00 (90.70 to 91.70): VN064507.D (-3529) (-)

Ion 92.00 (91.70 to 92.70): VN064507.D (-3529) (-)

Ion 134.00 (133.70 to 134.70): VN064507.D (-3529) (-)



#86

Hexachloroethane

Concen: 174.156 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN064507.D

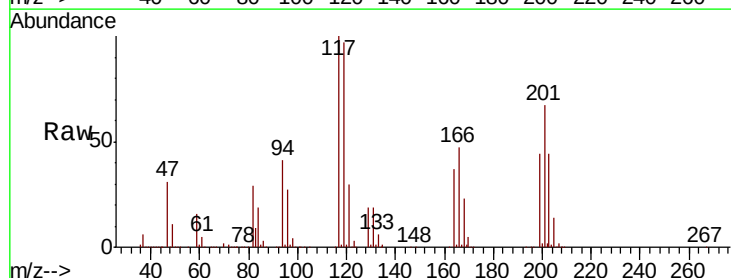
Acq: 9 Nov 2020 13:01

Tgt Ion: 117 Resp: 541080

Ion Ratio Lower Upper

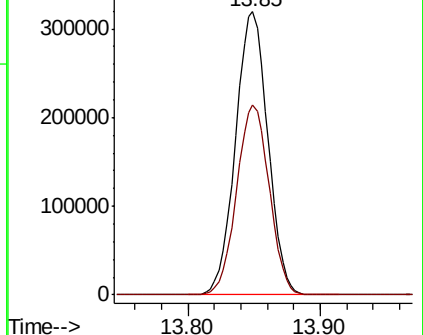
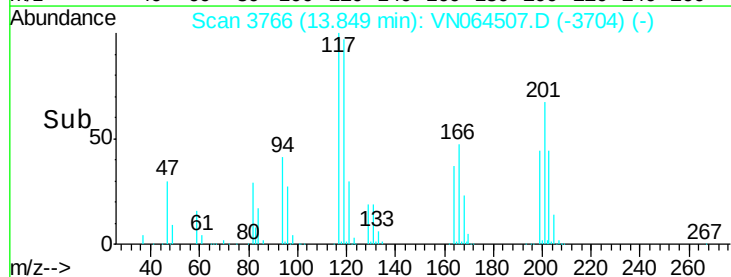
117 100

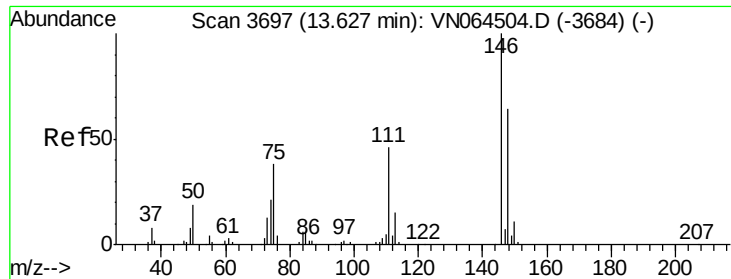
201 67.6 33.1 99.3



Abundance Ion 117.00 (116.70 to 117.70): VN064507.D (-3704) (-)

Ion 201.00 (200.70 to 201.70): VN064507.D (-3704) (-)





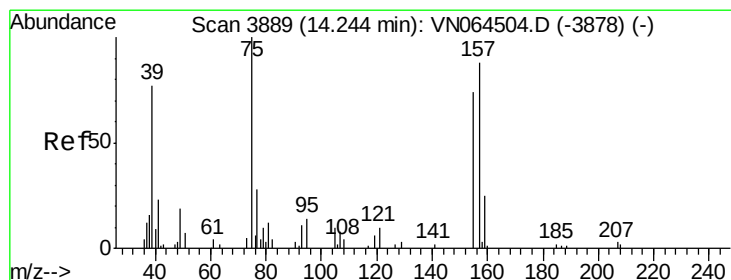
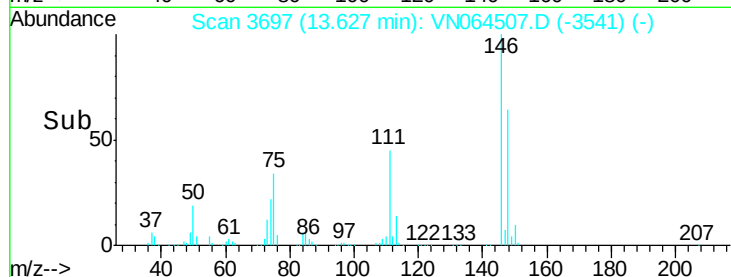
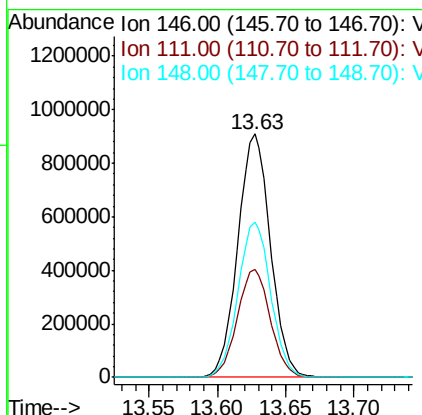
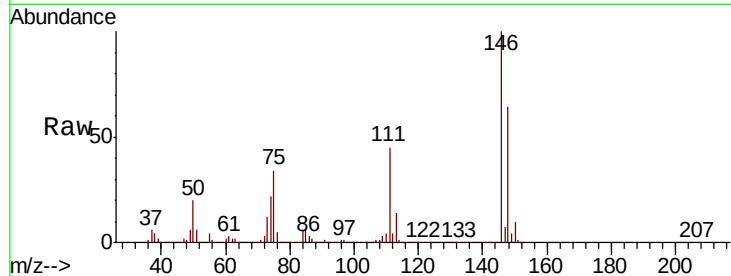
#87
 1,2-Dichlorobenzene
 Concen: 168.463 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064507.D
 Acq: 9 Nov 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	23.1	69.2
148	64.0	32.6	97.8

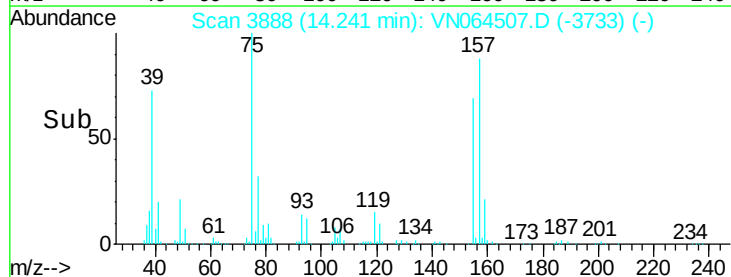
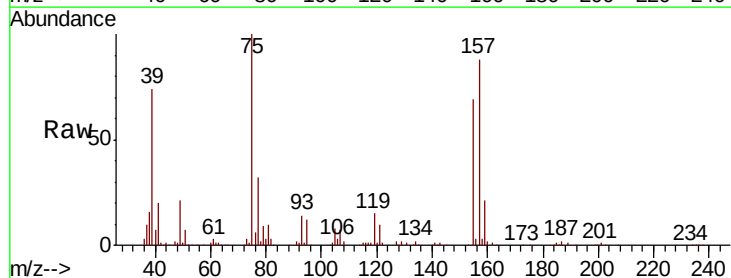
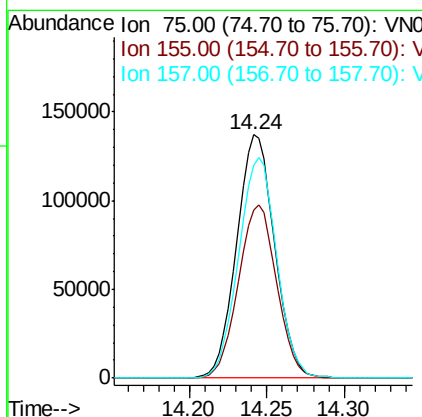
Manual Integrations
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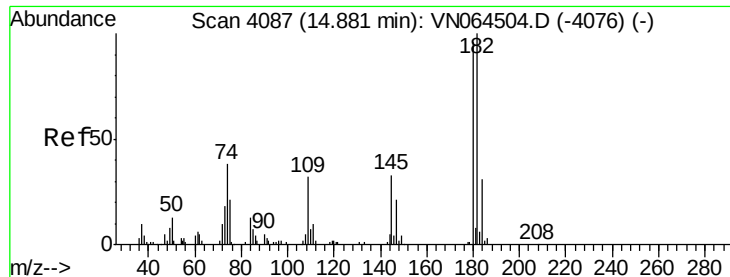
MMDadoda
 11/10/2020 1:10:35 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 179.731 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064507.D
 Acq: 9 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.8	56.5	84.7
157	91.0	69.7	104.5





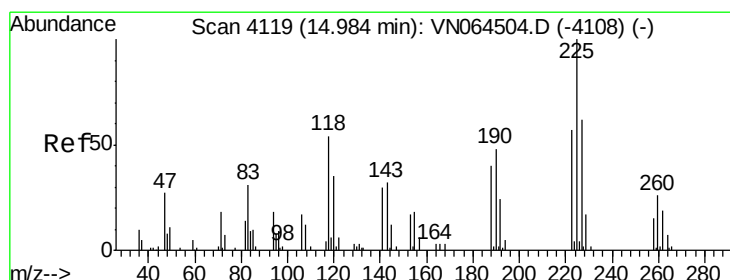
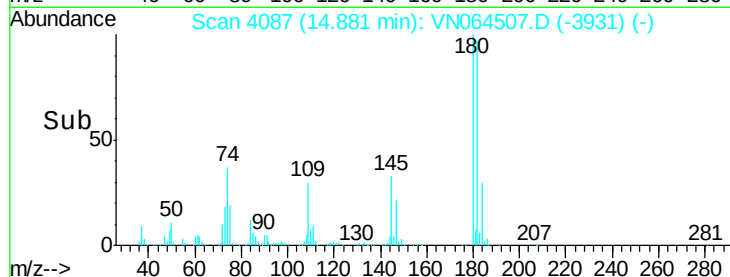
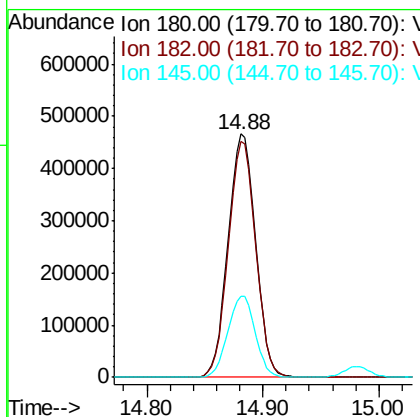
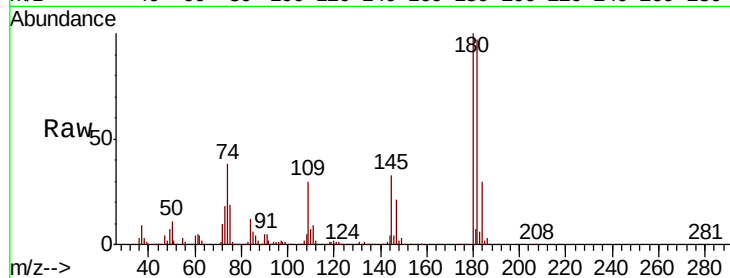
#89
 1,2,4-Trichlorobenzene
 Concen: 176.399 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064507.D
 Acq: 9 Nov 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	761326		
182	96.2		79.4	119.0
145	33.2		27.6	41.4

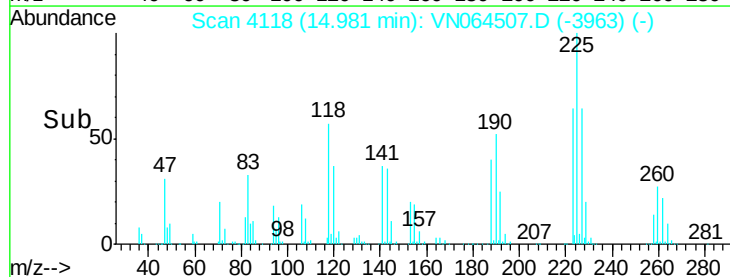
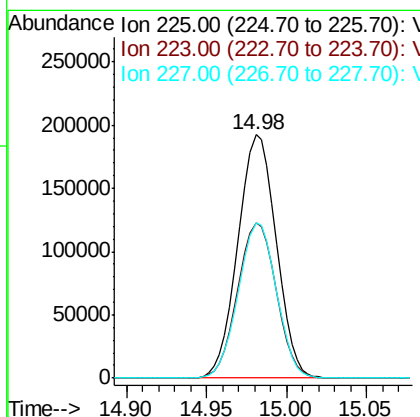
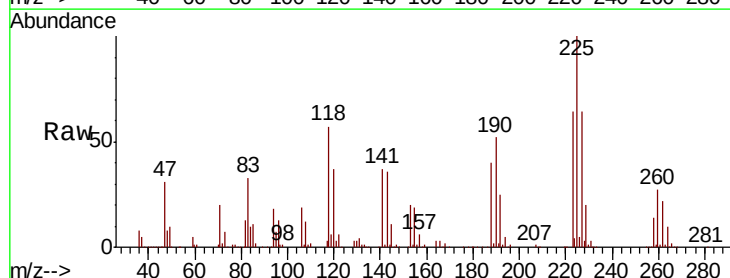
Manual Integrations
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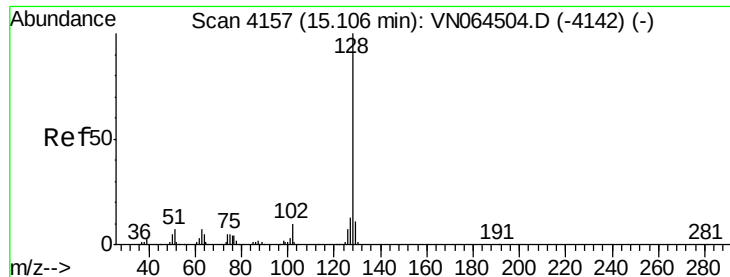
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#90
 Hexachlorobutadiene
 Concen: 136.821 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064507.D
 Acq: 9 Nov 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	314157		
223	64.4		0.0	125.4
227	63.4		0.0	122.0





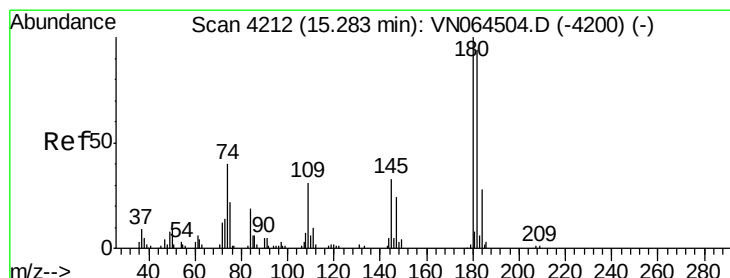
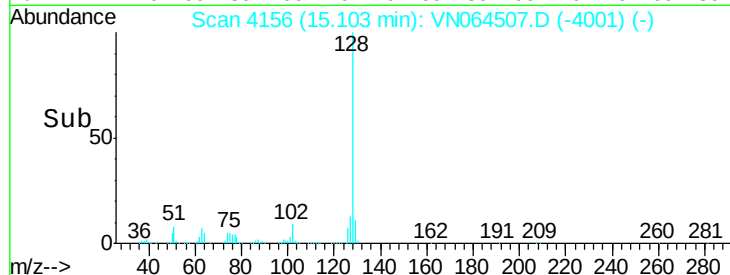
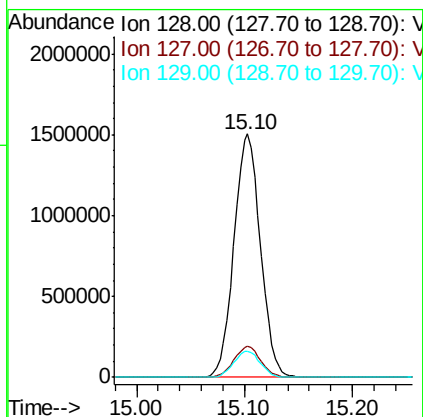
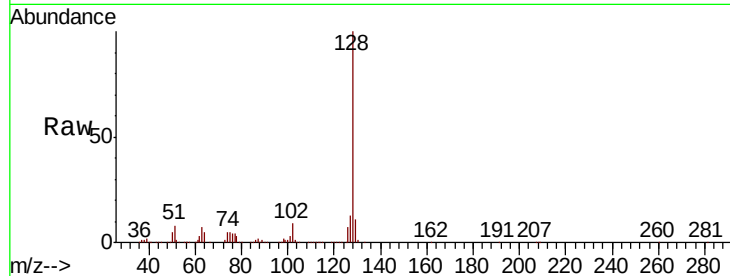
#91
Naphthalene
Concen: 195.586 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN064507.D
Acq: 9 Nov 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.8	8.5	12.7

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 173.042 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064507.D
Acq: 9 Nov 2020 13:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	0.0	186.0
145	34.6	0.0	69.6

