

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111020\
 Data File : VN064517.D
 Acq On : 10 Nov 2020 11:05
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/11/2020 1:01:17 PM

Quant Time: Nov 11 02:23:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	321792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	537088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	528234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	254160	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	267818	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
35) Dibromofluoromethane	7.55	113	187287	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
50) Toluene-d8	10.06	98	708040	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
62) 4-Bromofluorobenzene	12.38	95	271705	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	195619	46.699	ug/l	97
3) Chloromethane	2.04	50	232773	45.749	ug/l	99
4) Vinyl Chloride	2.16	62	250865	48.013	ug/l	99
5) Bromomethane	2.53	94	160744	48.157	ug/l	99
6) Chloroethane	2.67	64	167106	49.954	ug/l	93
7) Trichlorofluoromethane	2.98	101	391976	50.948	ug/l	99
8) Diethyl Ether	3.37	74	139346	51.288	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	178931	48.975	ug/l	100
10) Methyl Iodide	3.90	142	211107	49.727	ug/l	99
11) Tert butyl alcohol	4.76	59	165233	267.312	ug/l	99
12) 1,1-Dichloroethene	3.69	96	166520	48.386	ug/l	97
13) Acrolein	3.56	56	86257	224.969	ug/l	98
14) Allyl chloride	4.27	41	321537	47.761	ug/l	98
15) Acrylonitrile	4.94	53	471524	273.992	ug/l	99
16) Acetone	3.78	43	562796	263.593	ug/l	100
17) Carbon Disulfide	4.00	76	489474	47.560	ug/l	98
18) Methyl Acetate	4.28	43	219327	52.251	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	603726	48.742	ug/l	100
20) Methylene Chloride	4.50	84	199836	47.173	ug/l	96
21) trans-1,2-Dichloroethene	4.98	96	188510	48.243	ug/l	97
22) Diisopropyl ether	5.91	45	684834	47.921	ug/l	97
23) Vinyl Acetate	5.85	43	2947188	253.509	ug/l	99
24) 1,1-Dichloroethane	5.79	63	376197	47.906	ug/l	99
25) 2-Butanone	6.79	43	750350	275.822	ug/l	97
26) 2,2-Dichloropropane	6.78	77	347251	48.848	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	218419	48.239	ug/l	96
28) Bromochloromethane	7.15	49	182823	47.364	ug/l	100
29) Tetrahydrofuran	7.17	42	453795	271.891	ug/l	98
30) Chloroform	7.33	83	405162	49.083	ug/l	99
31) Cyclohexane	7.61	56	302217	44.355	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	362786	49.552	ug/l	98
36) 1,1-Dichloropropene	7.75	75	297838	52.492	ug/l	100
37) Ethyl Acetate	6.89	43	299152	51.918	ug/l	99
38) Carbon Tetrachloride	7.73	117	319929	52.758	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	264787	52.059	ug/l	95
40) Benzene	8.00	78	841944	50.498	ug/l	99
41) Methacrylonitrile	7.13	41	135430	53.837	ug/l	94
42) 1,2-Dichloroethane	8.09	62	353337	52.513	ug/l	98
43) Isopropyl Acetate	8.13	43	491844	53.490	ug/l	98
44) Trichloroethene	8.80	130	214440	50.977	ug/l	99
45) 1,2-Dichloropropane	9.08	63	231954	52.139	ug/l	96
46) Dibromomethane	9.17	93	159705	54.534	ug/l	98
47) Bromodichloromethane	9.37	83	342469	54.386	ug/l	98
48) Methyl methacrylate	9.17	41	253925	54.726	ug/l	100
49) 1,4-Dioxane	9.17	88	76057	1244.513	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	1574868	293.691	ug/l	99
52) Toluene	10.13	92	541117	53.212	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	354808	53.148	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	372970	52.253	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	214547	54.098	ug/l	99
56) Ethyl methacrylate	10.40	69	315488	48.411	ug/l	99
57) 1,3-Dichloropropane	10.68	76	372587	53.824	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	839556	270.377	ug/l	97
59) 2-Hexanone	10.72	43	1185305	270.732	ug/l	99
60) Dibromochloromethane	10.87	129	250535	56.424	ug/l	100
61) 1,2-Dibromoethane	10.98	107	222010	55.190	ug/l	100
64) Tetrachloroethene	10.60	164	199631	49.062	ug/l	97
65) Chlorobenzene	11.41	112	572006	49.396	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	221566	51.287	ug/l	98
67) Ethyl Benzene	11.49	91	1054590	51.199	ug/l	98
68) m/p-Xylenes	11.59	106	776578	103.959	ug/l	97
69) o-Xylene	11.92	106	370992	51.395	ug/l	99
70) Styrene	11.94	104	647188	53.281	ug/l	99
71) Bromoform	12.10	173	165273	50.926	ug/l #	99
73) Isopropylbenzene	12.23	105	969609	47.997	ug/l	100
74) N-amyl acetate	12.04	43	446161	45.646	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	311337	50.176	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	300450m	48.790	ug/l	
77) Bromobenzene	12.50	156	234513	47.549	ug/l	99
78) n-propylbenzene	12.57	91	1165845	50.620	ug/l	98
79) 2-Chlorotoluene	12.65	91	716735	49.067	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	840932	50.459	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	112786	51.138	ug/l	99
82) 4-Chlorotoluene	12.75	91	763401	49.903	ug/l	100
83) tert-Butylbenzene	12.97	119	644890	49.546	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	850387	50.759	ug/l	99
85) sec-Butylbenzene	13.15	105	861486	52.260	ug/l	99
86) p-Isopropyltoluene	13.26	119	776604	52.376	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	429646	50.394	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	434992	49.371	ug/l	98
89) n-Butylbenzene	13.59	91	676712	53.081	ug/l	100
90) Hexachloroethane	13.85	117	152042	53.156	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	425040	51.828	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	67134	54.343	ug/l	96

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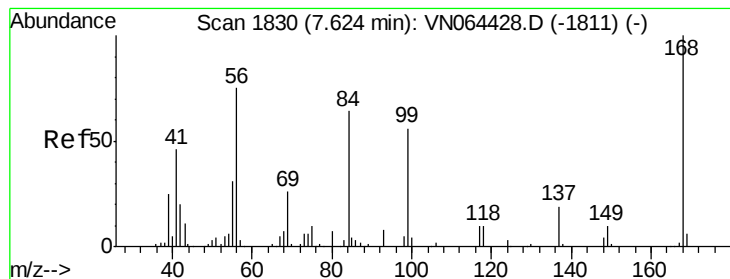
Manual Integrations
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QLast Update : Wed Nov 04 12:09:03 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	192276	47.297	ug/l	99
94) Hexachlorobutadiene	14.98	225	89422	53.555	ug/l	99
95) Naphthalene	15.10	128	627277	45.361	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	189666	48.177	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 321792

Ion Ratio Lower Upper

168 100

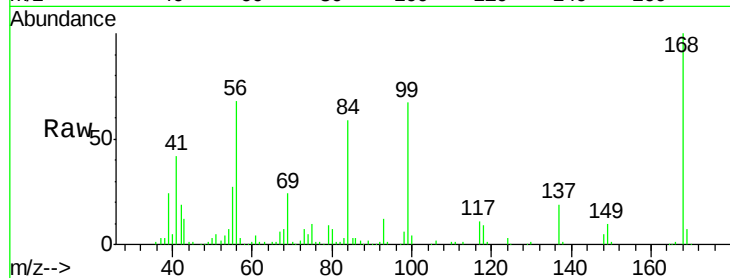
99 67.2 53.4 80.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

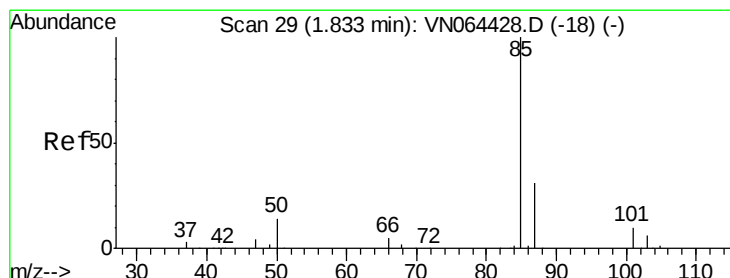
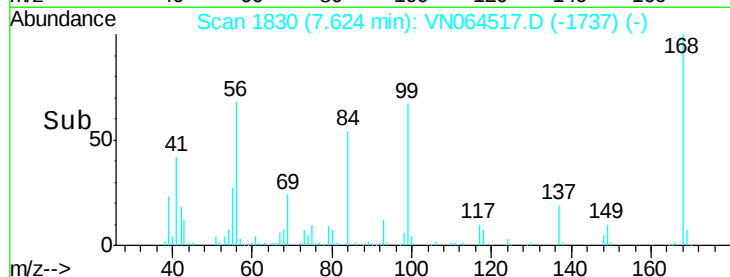
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 46.699 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064517.D

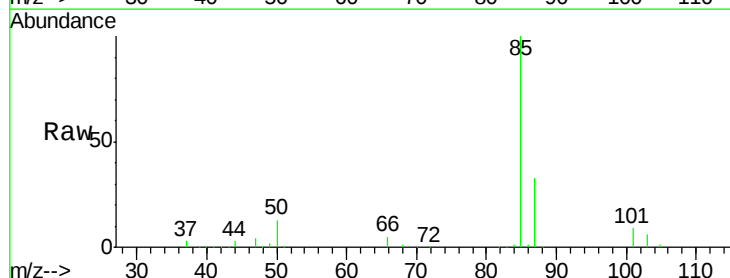
Acq: 10 Nov 2020 11:05

Tgt Ion: 85 Resp: 195619

Ion Ratio Lower Upper

85 100

87 32.9 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

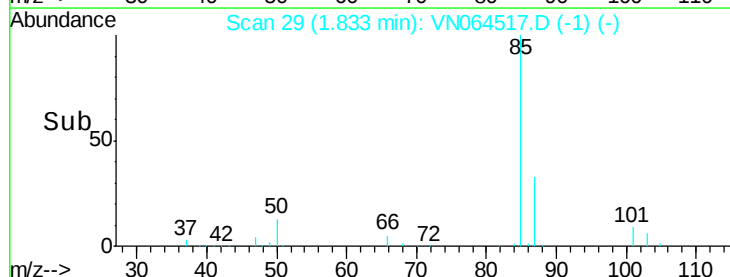
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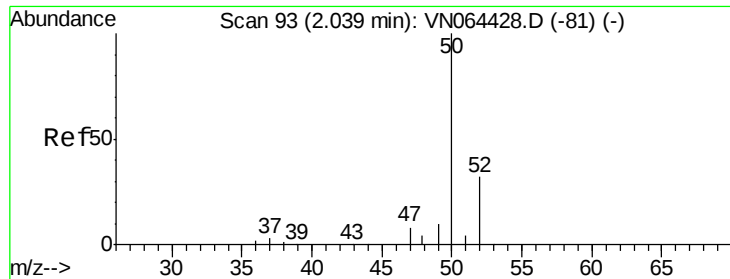
100000

50000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 45.749 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 232773

Ion Ratio Lower Upper

50 100

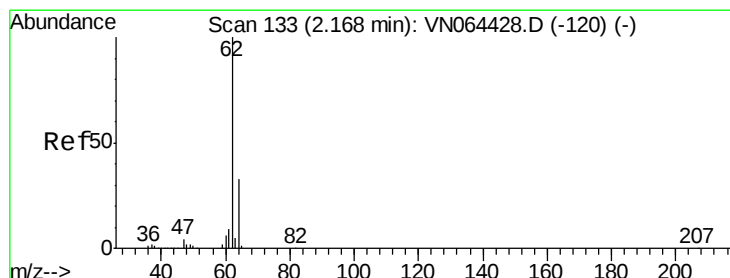
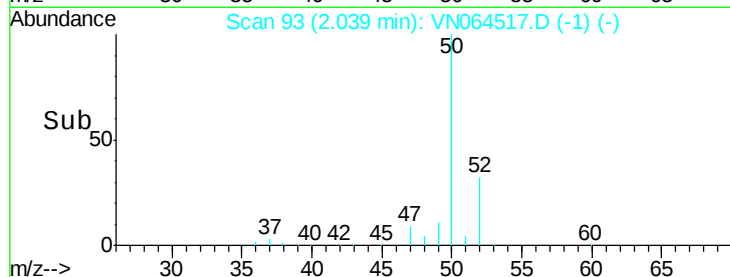
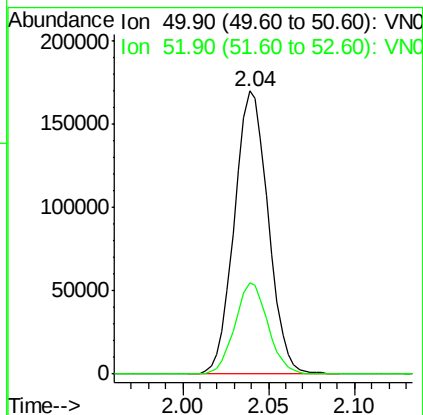
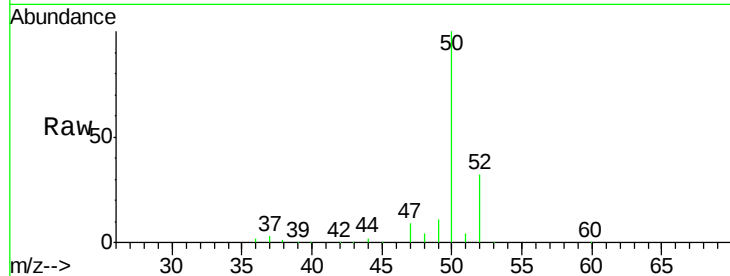
52 32.3 25.3 37.9

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#4

Vinyl Chloride

Concen: 48.013 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064517.D

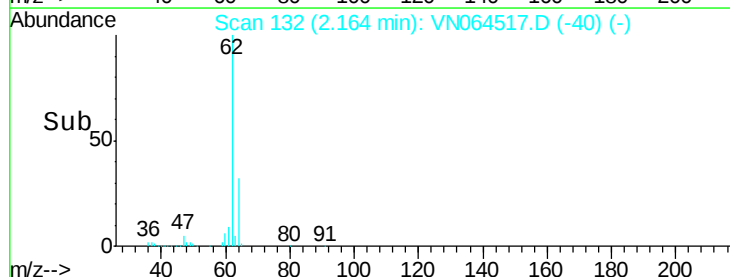
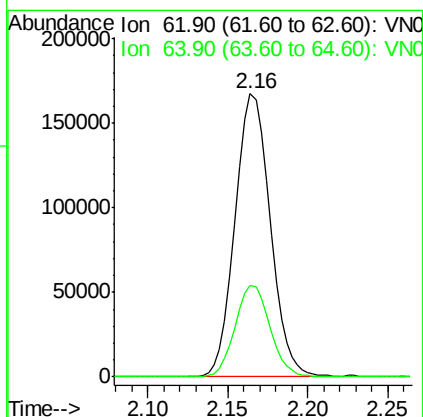
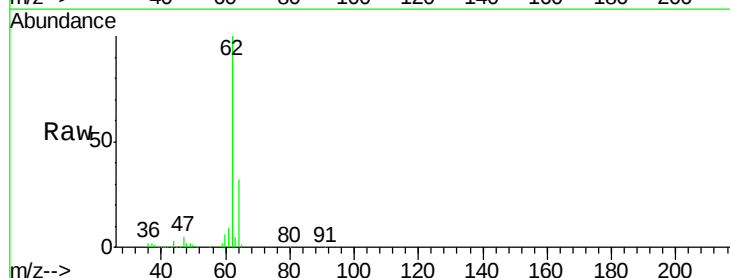
Acq: 10 Nov 2020 11:05

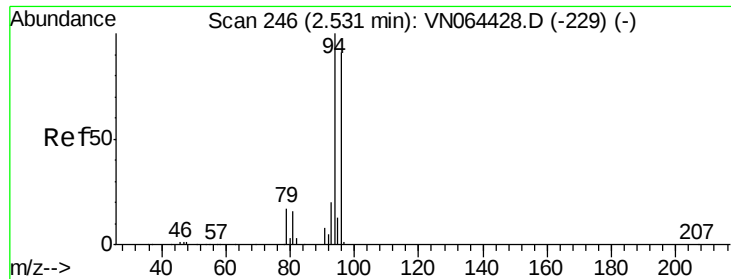
Tgt Ion: 62 Resp: 250865

Ion Ratio Lower Upper

62 100

64 32.5 26.3 39.5





#5

Bromomethane

Concen: 48.157 ug/l

RT: 2.53 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 160744

Ion Ratio Lower Upper

94 100

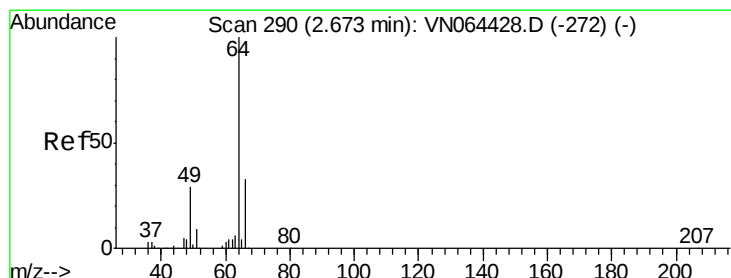
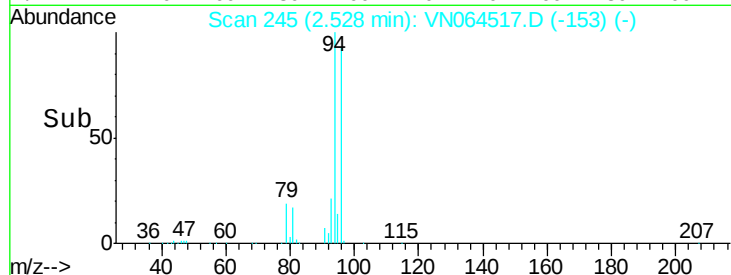
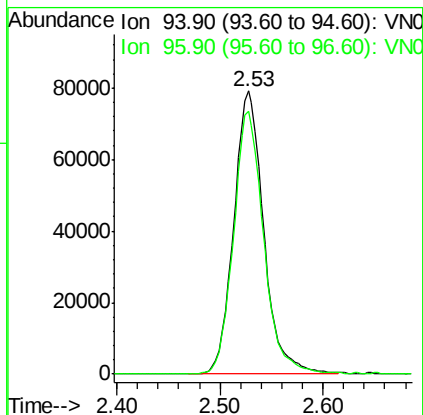
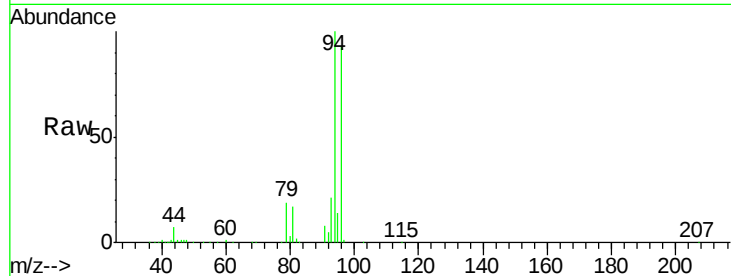
96 92.8 73.1 109.7

Manual Integrations

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#6

Chloroethane

Concen: 49.954 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN064517.D

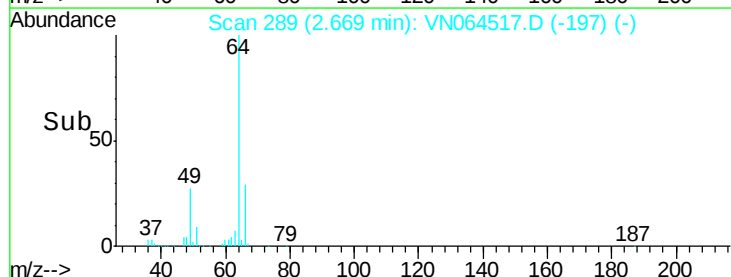
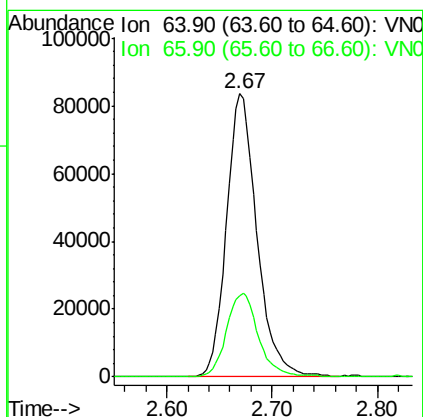
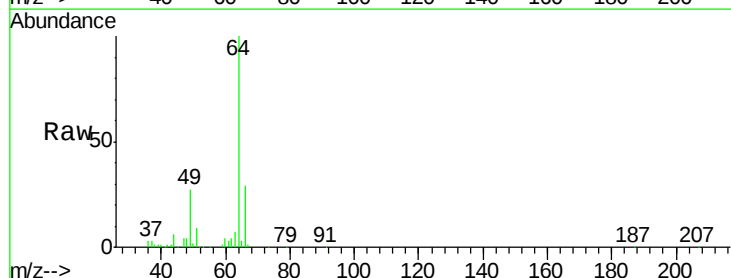
Acq: 10 Nov 2020 11:05

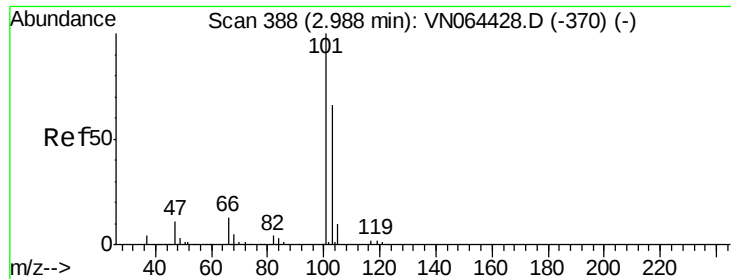
Tgt Ion: 64 Resp: 167106

Ion Ratio Lower Upper

64 100

66 28.6 26.1 39.1





#7

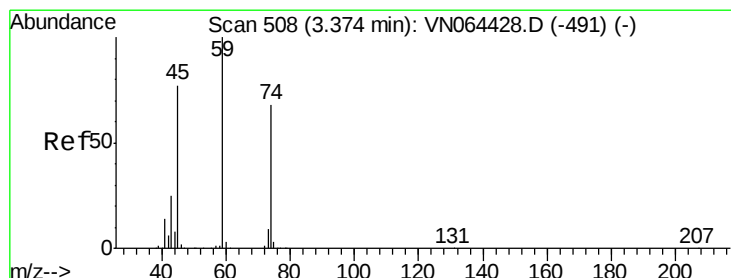
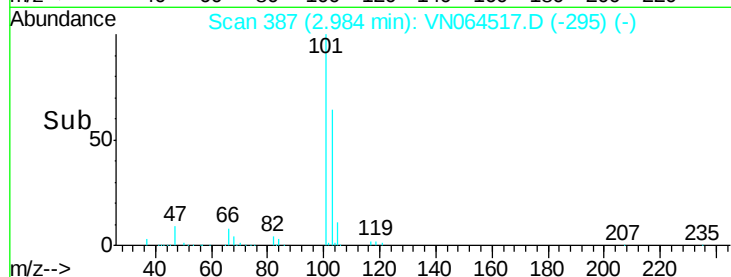
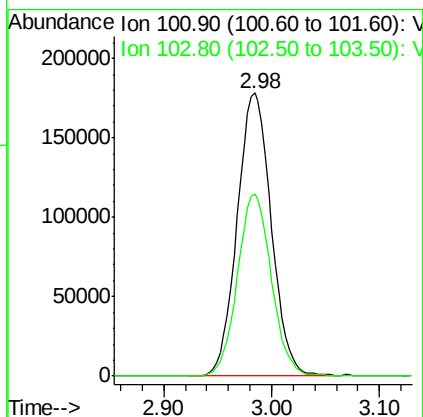
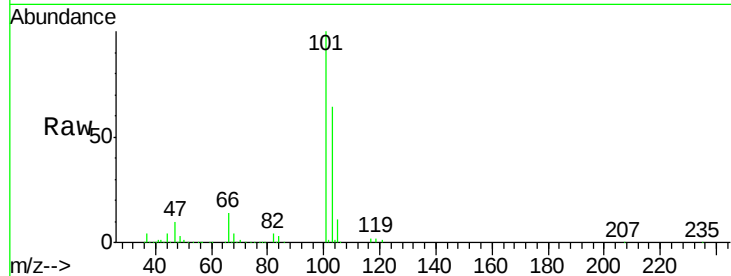
Trichlorofluoromethane
Concen: 50.948 ug/l
RT: 2.98 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN064517.D
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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.4	78.6

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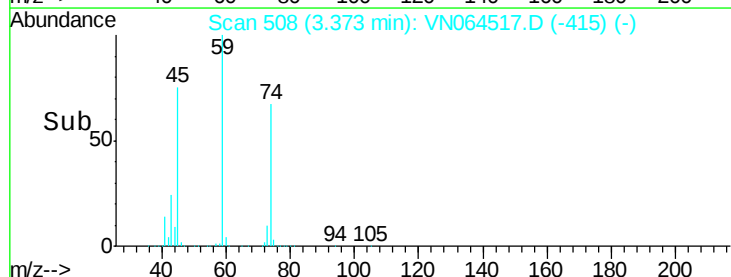
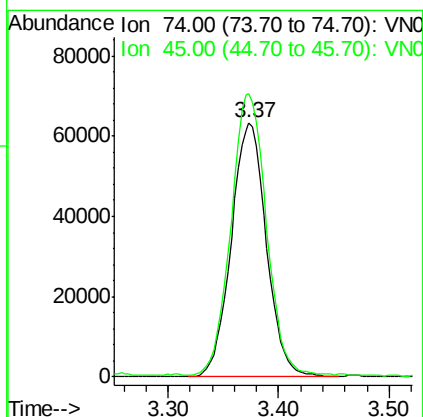
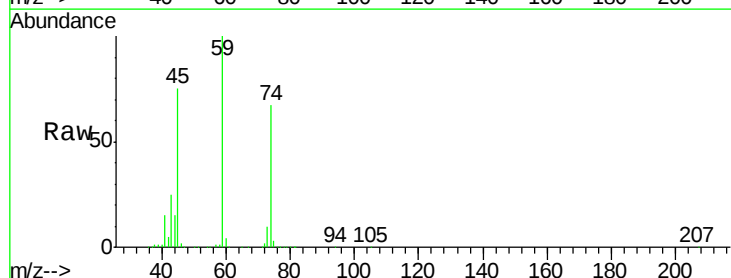
MMDadoda
11/11/2020 1:01:17 PM

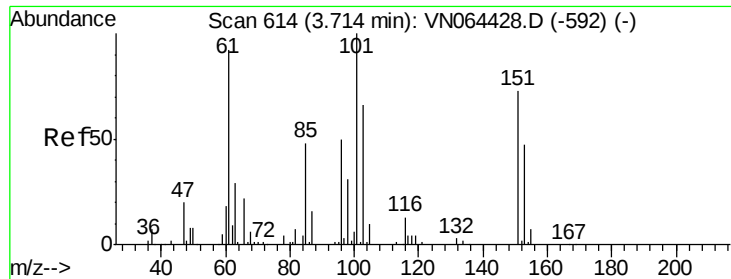


#8

Diethyl Ether
Concen: 51.288 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.1	55.9	167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.975 ug/l

RT: 3.71 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN064517.D

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Instrument :

MSVOA_N

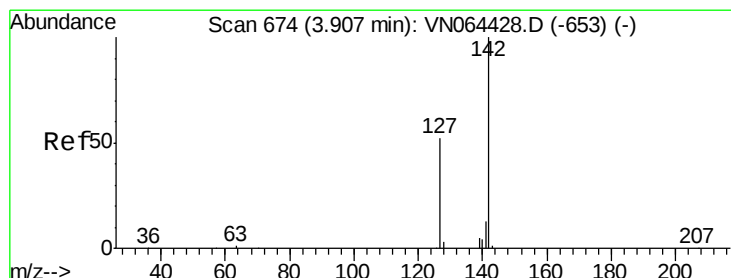
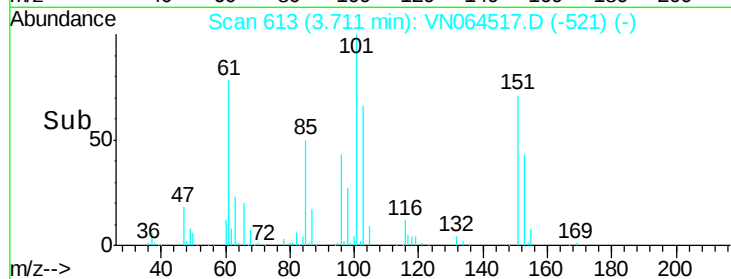
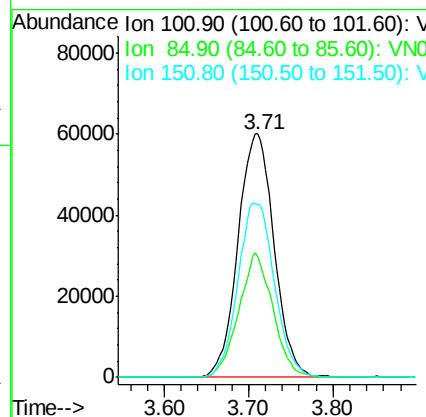
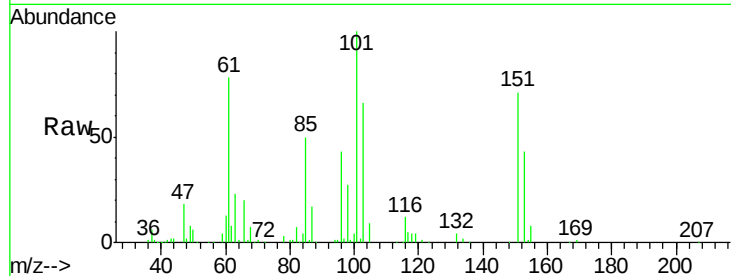
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	178931
Ion Ratio	Lower	Upper	
101	100		
85	48.2	38.6	57.8
151	72.5	57.5	86.3

Manual Integrations
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11/11/2020 1:01:17 PM



#10

Methyl Iodide

Concen: 49.727 ug/l

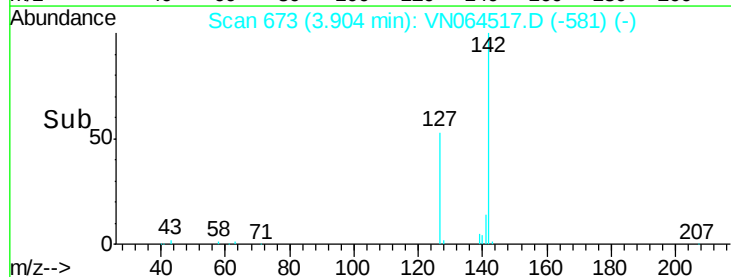
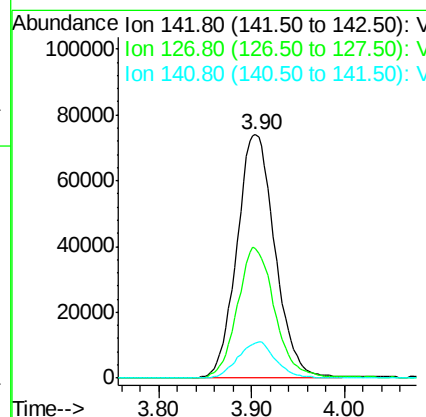
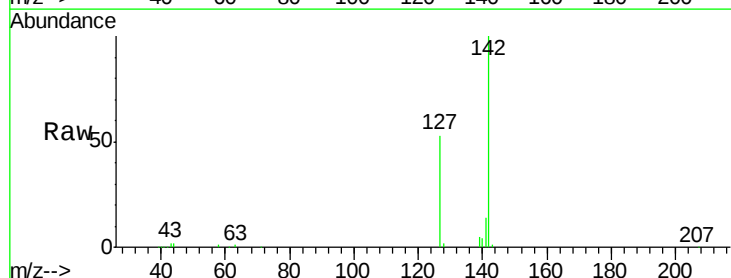
RT: 3.90 min Scan# 673

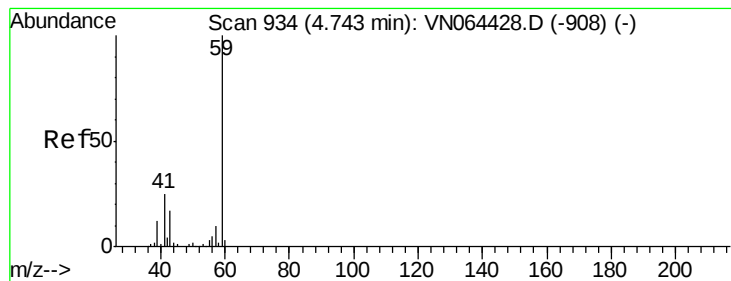
Delta R.T. -0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

Tgt Ion:	142	Resp:	211107
Ion Ratio	Lower	Upper	
142	100		
127	52.8	41.8	62.8
141	14.7	11.4	17.2





#11

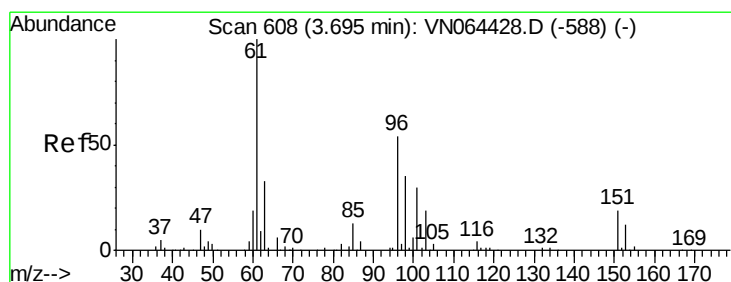
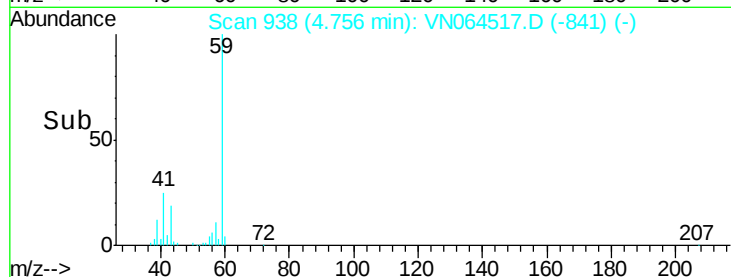
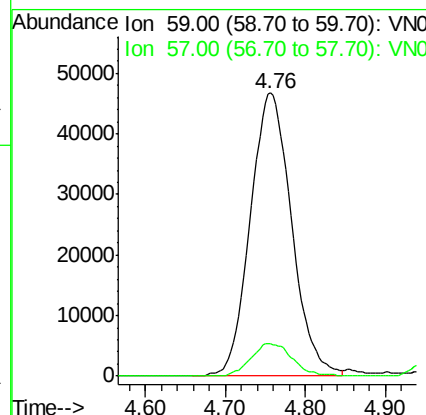
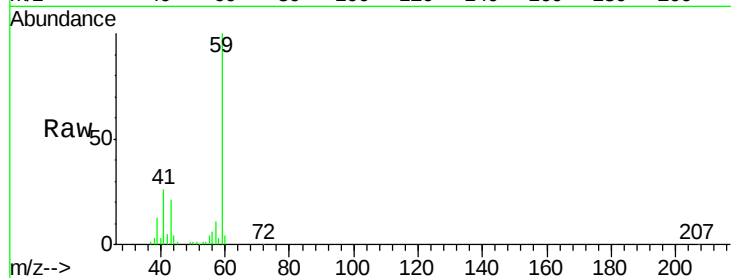
Tert butyl alcohol
Concen: 267.312 ug/l
RT: 4.76 min Scan# 938
Delta R.T. 0.01 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	9.0	13.4

Manual Integrations
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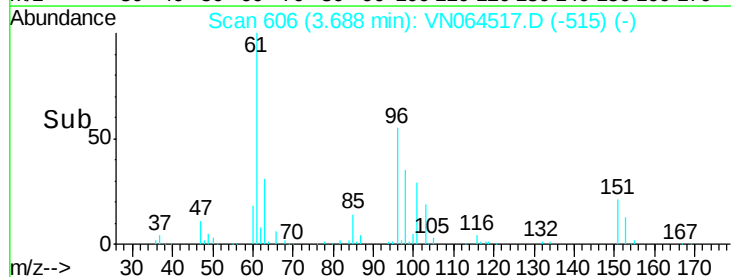
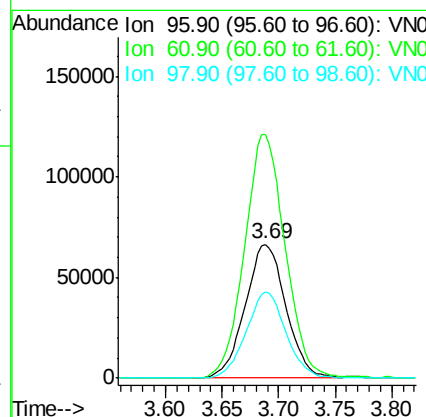
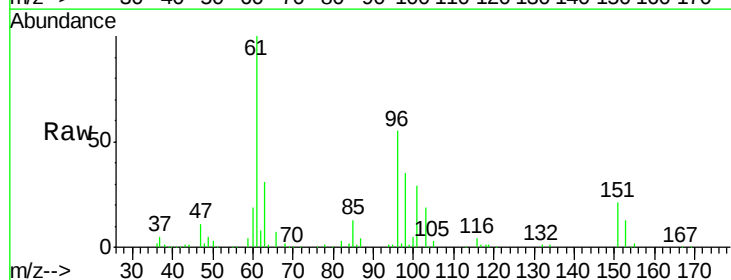
MMDadoda
11/11/2020 1:01:17 PM

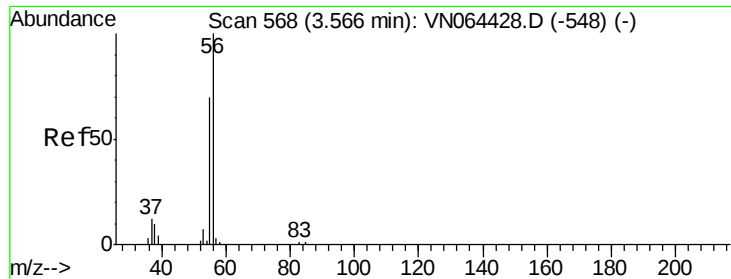


#12

1,1-Dichloroethene
Concen: 48.386 ug/l
RT: 3.69 min Scan# 606
Delta R.T. -0.01 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.2	149.5	224.3
98	64.1	52.4	78.6





#13

Acrolein

Concen: 224.969 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 86257

Ion Ratio Lower Upper

56 100

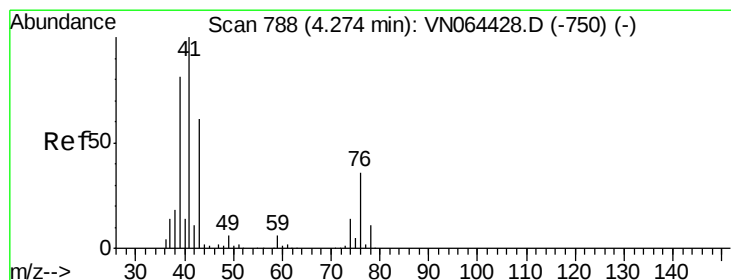
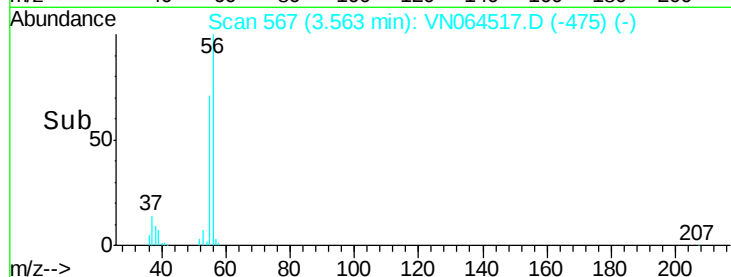
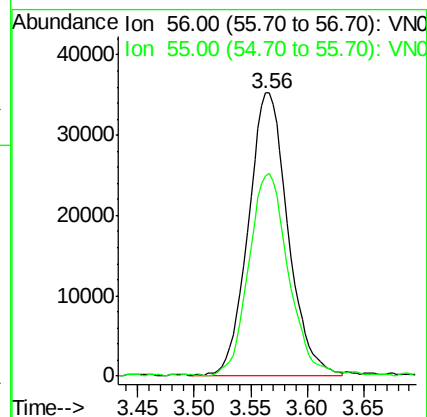
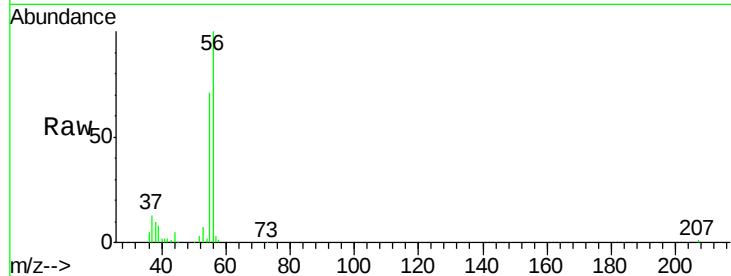
55 71.5 55.9 83.9

Manual Integrations

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#14

Allyl chloride

Concen: 47.761 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

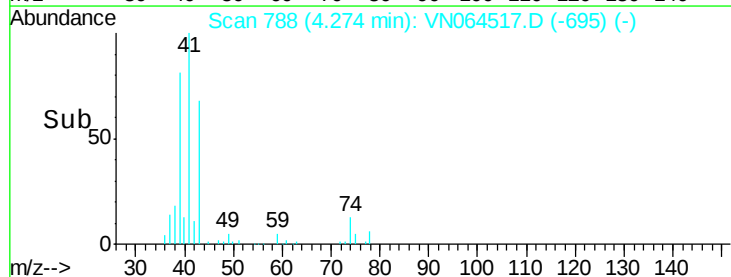
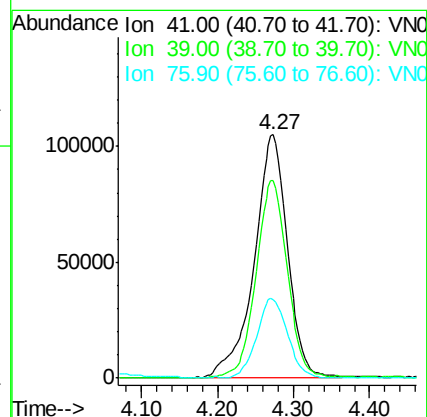
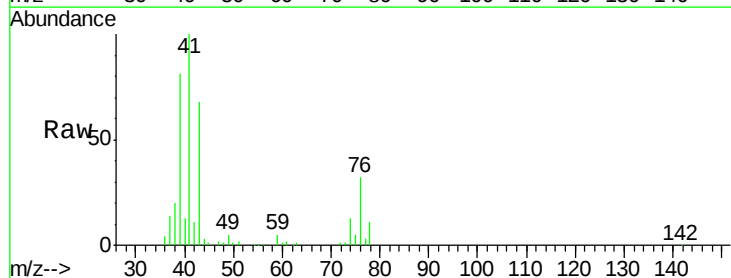
Tgt Ion: 41 Resp: 321537

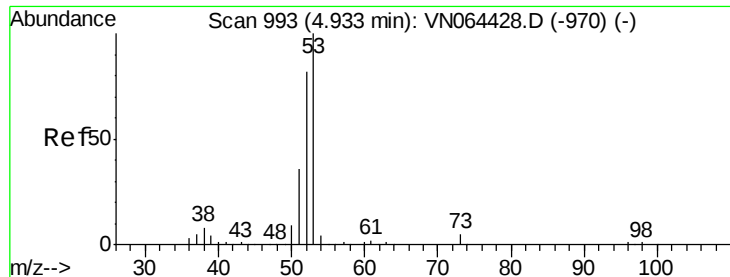
Ion Ratio Lower Upper

41 100

39 76.2 61.8 92.8

76 29.5 25.4 38.0





#15

Acrylonitrile

Concen: 273.992 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

Instrument :

MSVOA_N

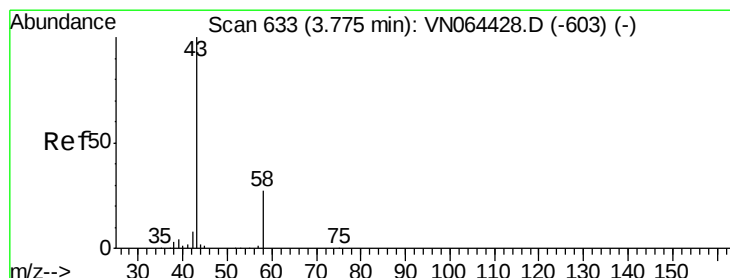
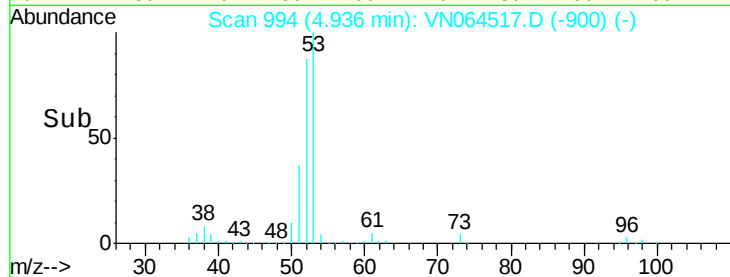
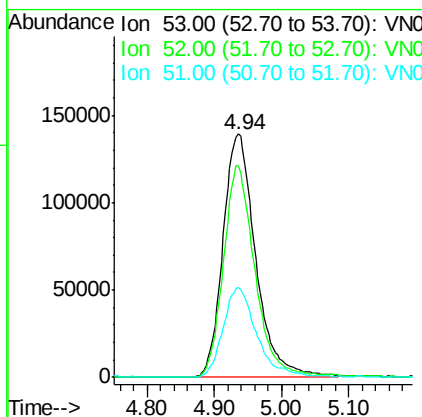
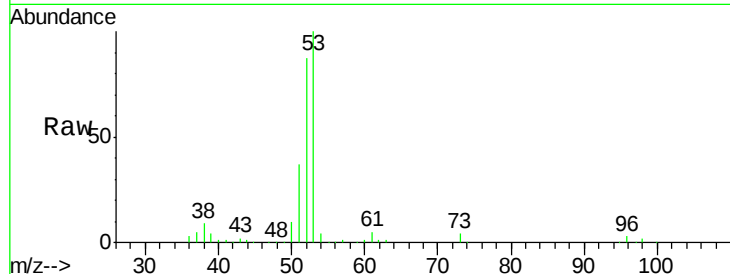
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	471524
Ion Ratio	Lower	Upper	
53	100		
52	83.1	65.6	98.4
51	37.8	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 263.593 ug/l

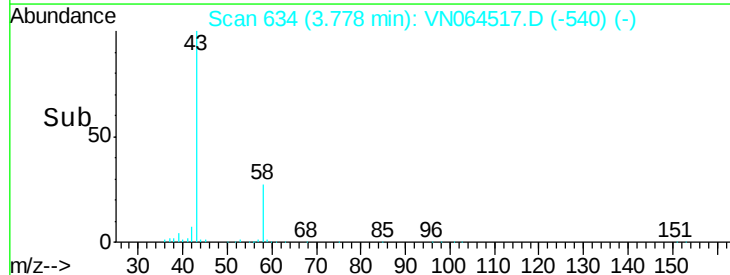
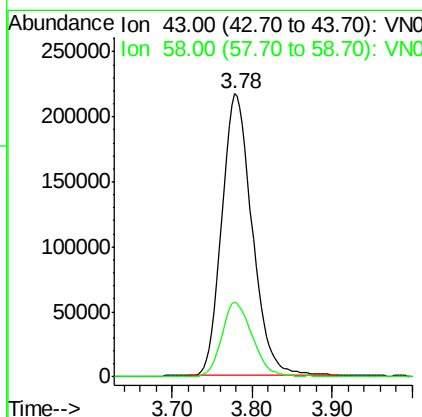
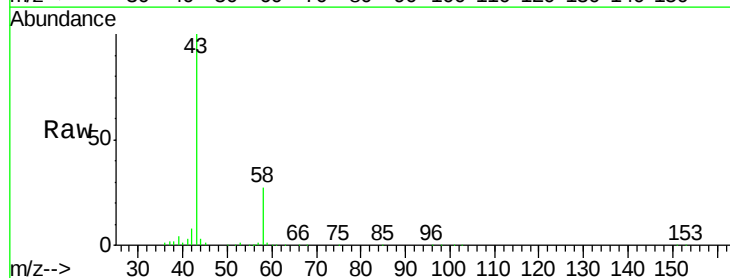
RT: 3.78 min Scan# 634

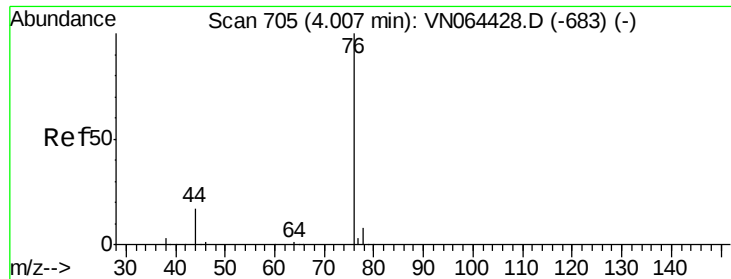
Delta R.T. 0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

Tgt Ion:	43	Resp:	562796
Ion Ratio	Lower	Upper	
43	100		
58	26.7	21.4	32.0





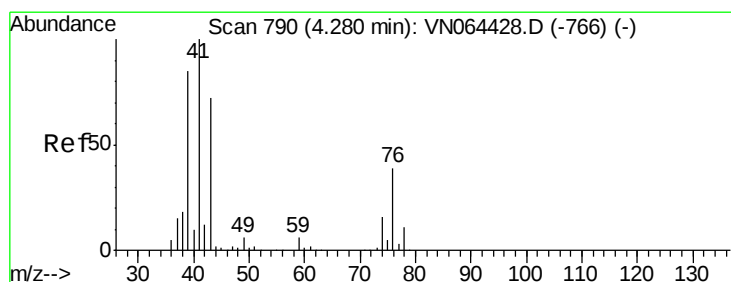
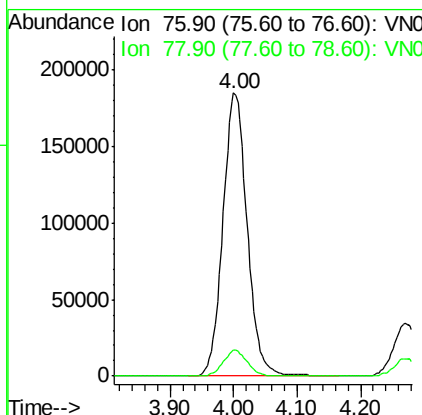
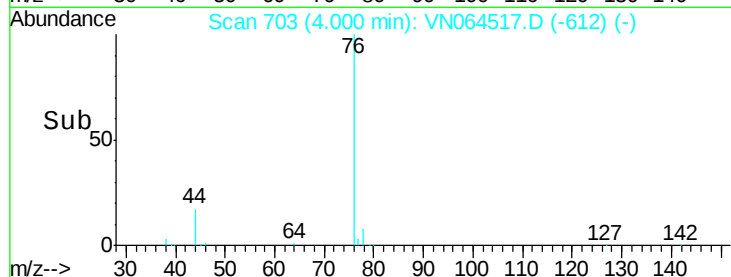
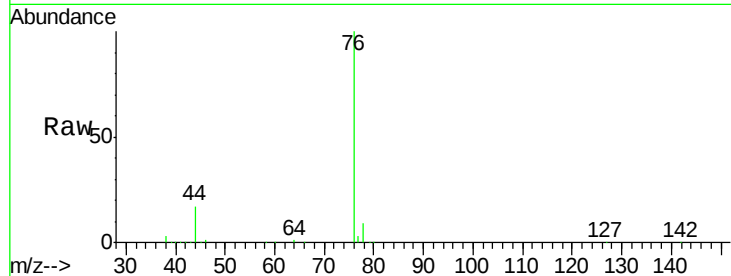
#17
Carbon Disulfide
Concen: 47.560 ug/l
RT: 4.00 min Scan# 703
Delta R.T. -0.01 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 489474
Ion Ratio Lower Upper
76 100
78 9.2 6.8 10.2

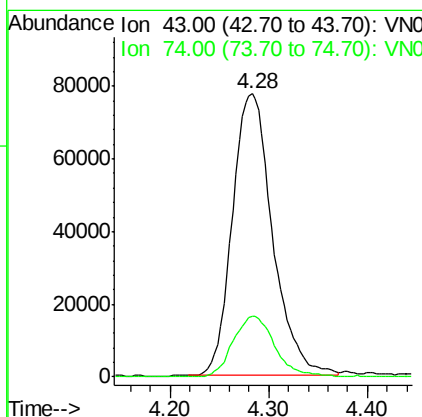
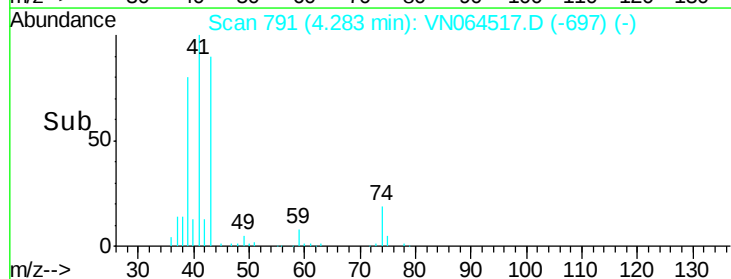
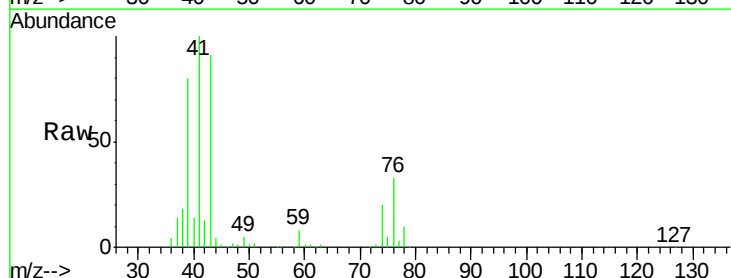
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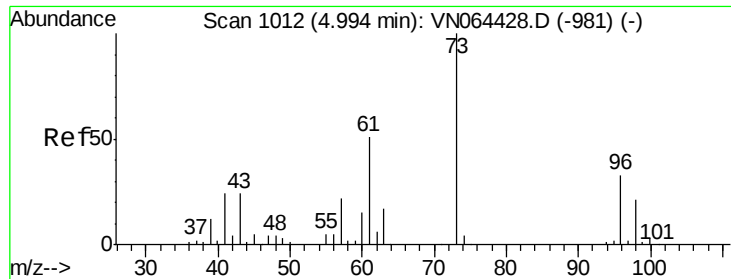
MMDadoda
11/11/2020 1:01:17 PM



#18
Methyl Acetate
Concen: 52.251 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Tgt Ion: 43 Resp: 219327
Ion Ratio Lower Upper
43 100
74 22.3 17.0 25.4





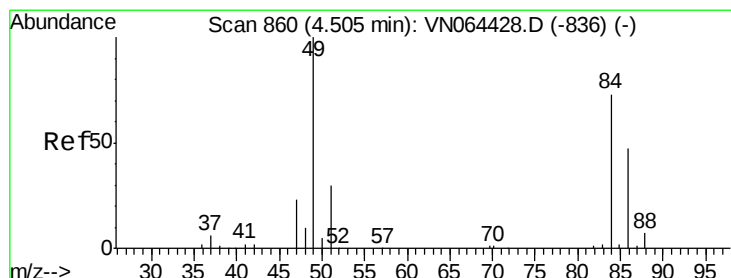
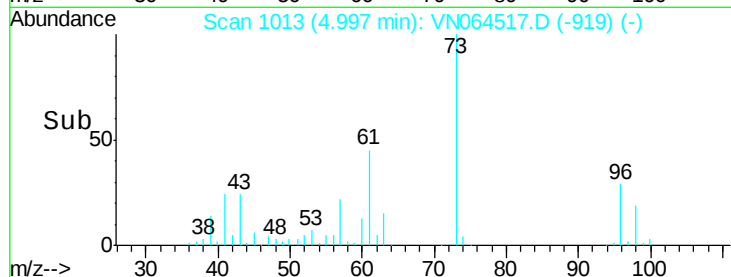
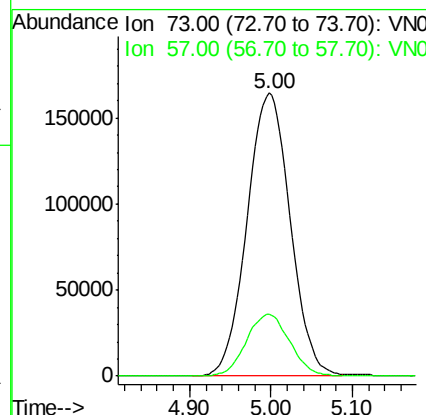
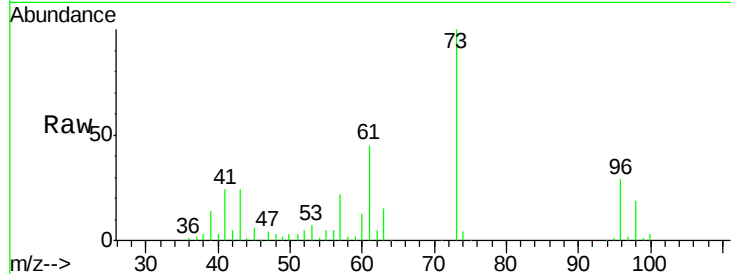
#19
Methvl tert-butvl Ether
Concen: 48.742 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 603726
Ion Ratio Lower Upper
73 100
57 21.9 17.7 26.5

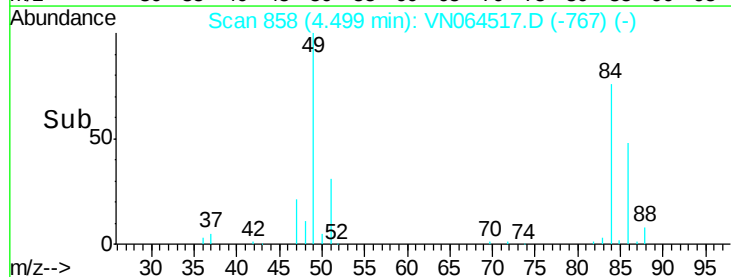
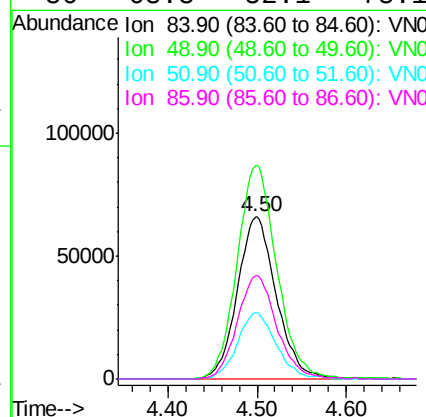
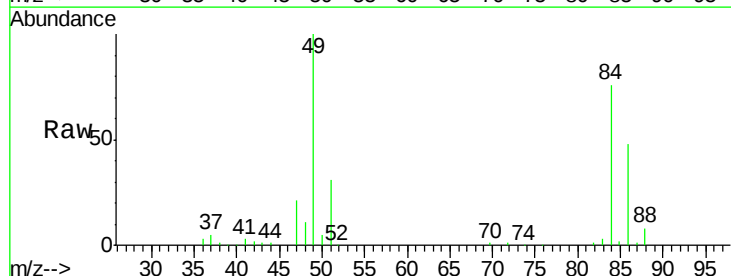
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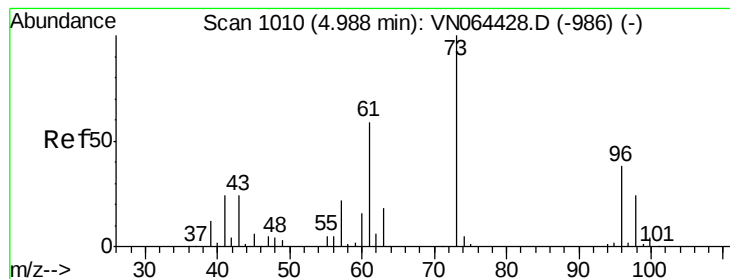
MMDadoda
11/11/2020 1:01:17 PM



#20
Methylene Chloride
Concen: 47.173 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Tgt Ion: 84 Resp: 199836
Ion Ratio Lower Upper
84 100
49 131.6 110.1 165.1
51 40.9 33.6 50.4
86 63.8 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 48.243 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 188510

Ion Ratio Lower Upper

96 100

61 157.6 122.4 183.6

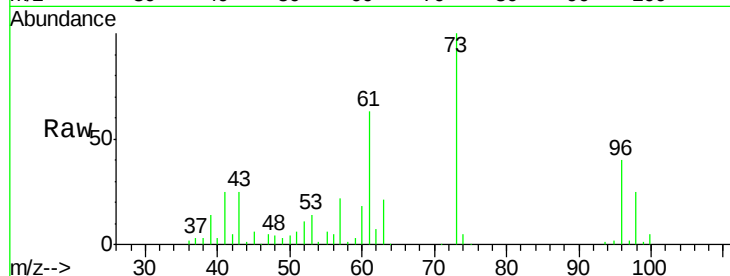
98 63.3 50.4 75.6

Manual Integrations

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MMDadoda

11/11/2020 1:01:17 PM

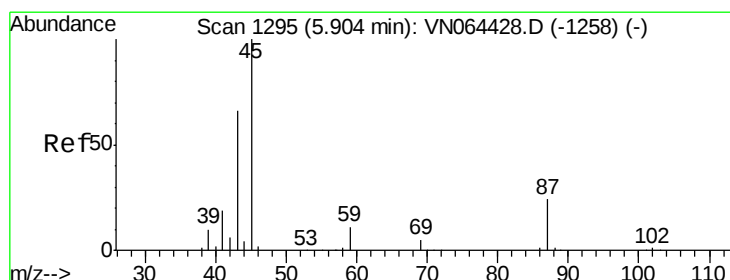
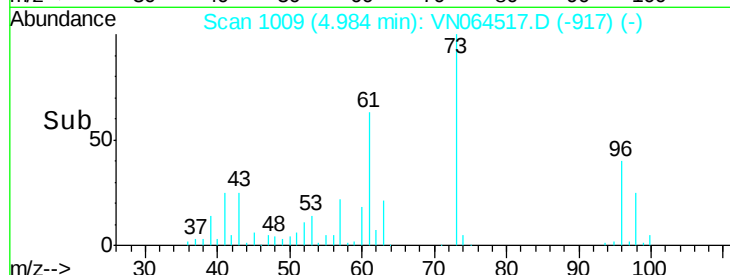
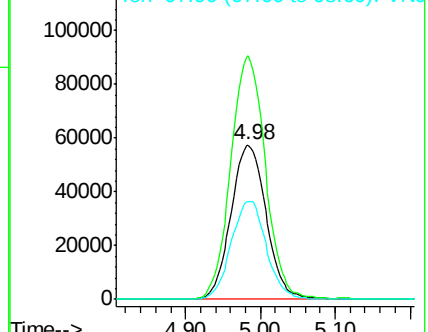


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 47.921 ug/l

RT: 5.91 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

Tgt Ion: 45 Resp: 684834

Ion Ratio Lower Upper

45 100

43 63.3 53.2 79.8

87 25.3 19.9 29.9

59 11.0 8.6 13.0

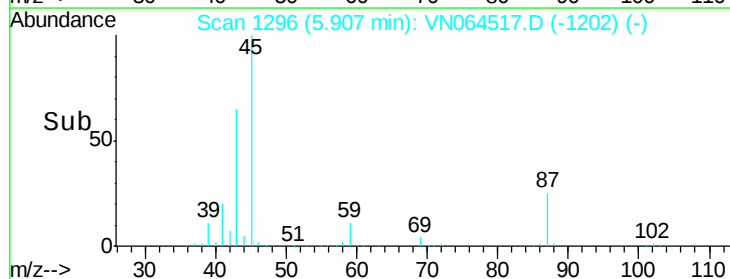
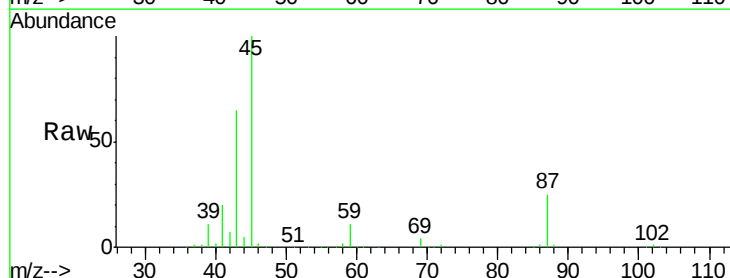
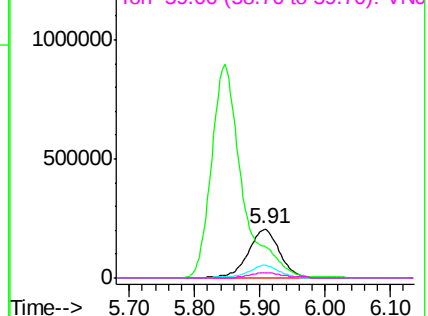
Abundance

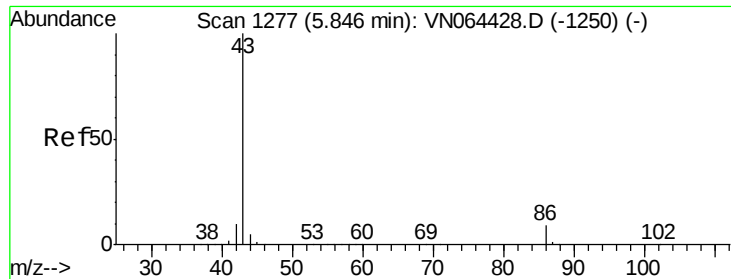
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 253.509 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2947188

Ion Ratio Lower Upper

43 100

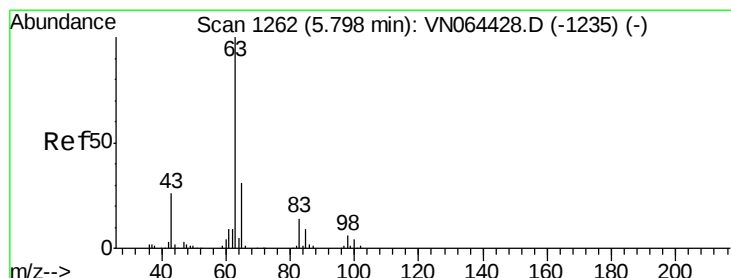
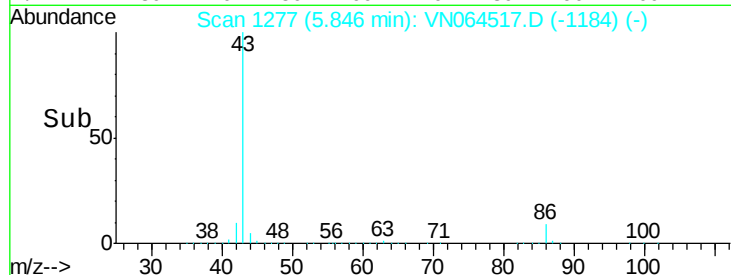
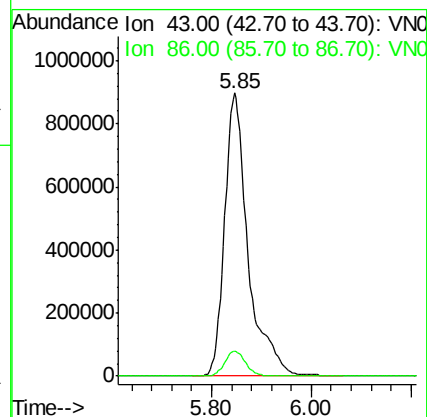
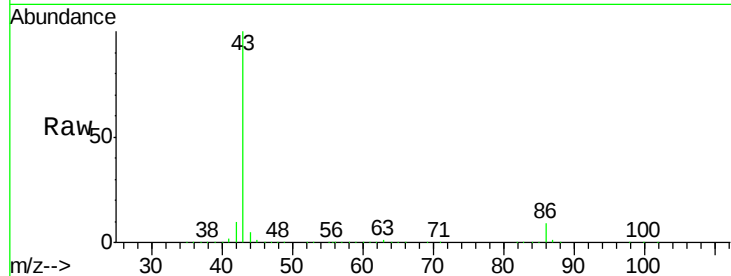
86 8.7 6.8 10.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.906 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

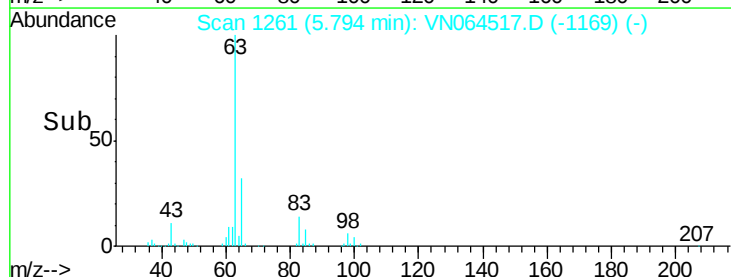
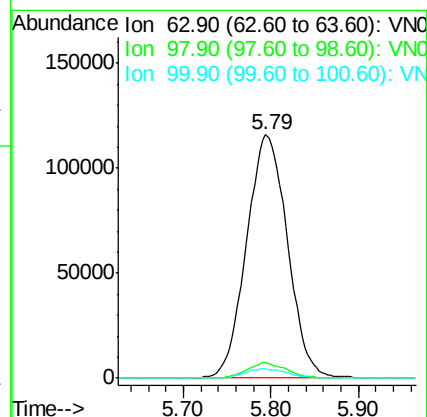
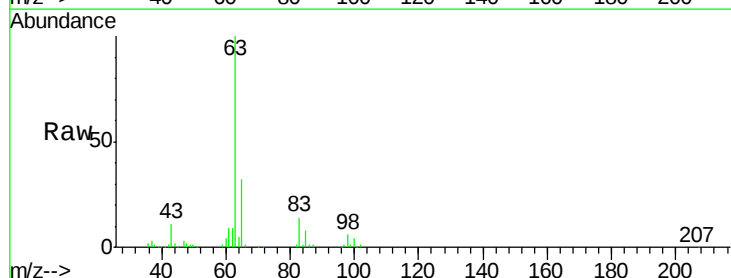
Tgt Ion: 63 Resp: 376197

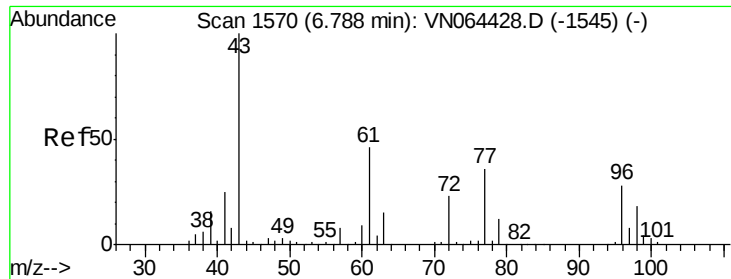
Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

100 3.7 1.8 5.3





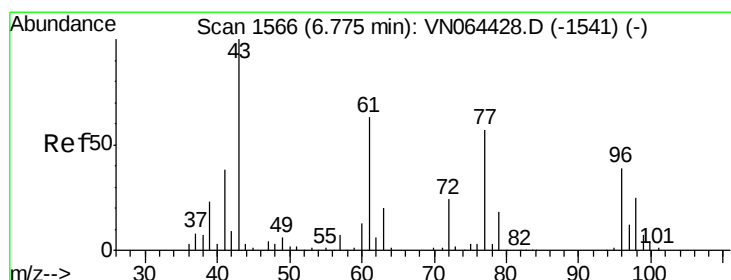
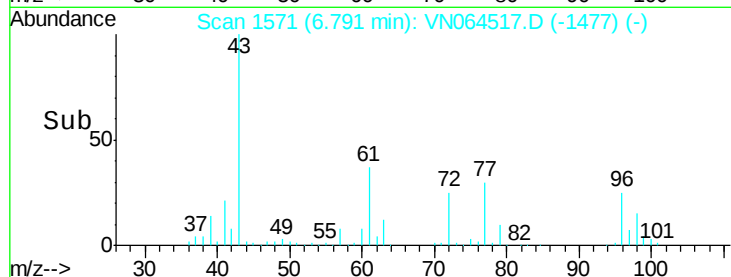
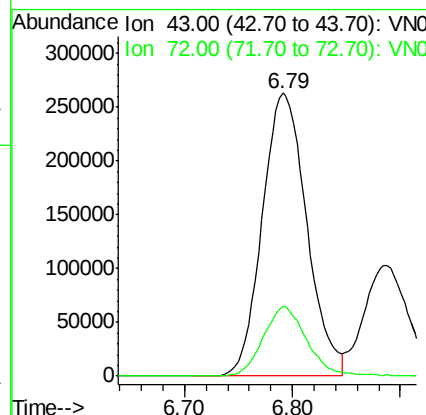
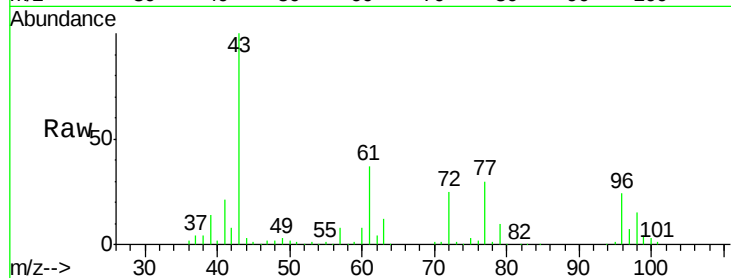
#25
2-Butanone
Concen: 275.822 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 750350
Ion Ratio Lower Upper
43 100
72 24.8 18.5 27.7

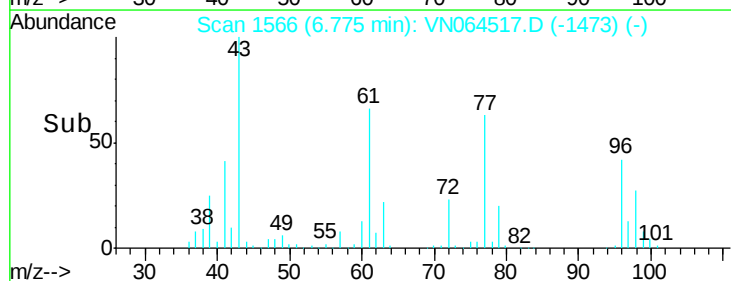
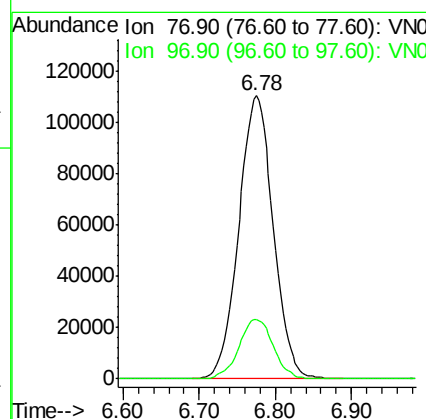
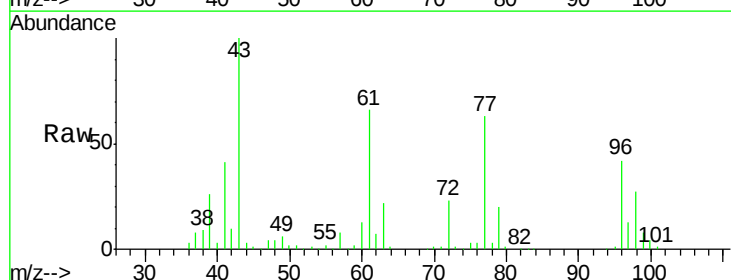
Manual Integrations
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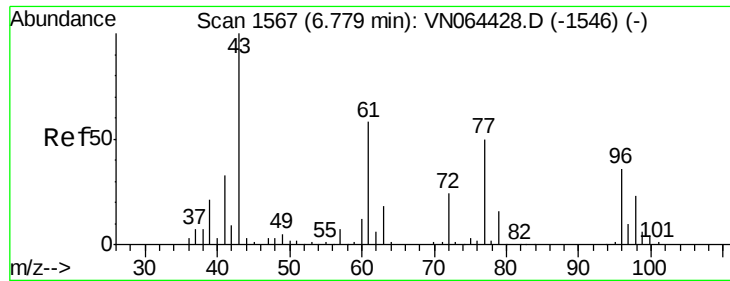
MMDadoda
11/11/2020 1:01:17 PM



#26
2,2-Dichloropropane
Concen: 48.848 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Tgt Ion: 77 Resp: 347251
Ion Ratio Lower Upper
77 100
97 21.1 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 48.239 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

Instrument :

MSVOA_N

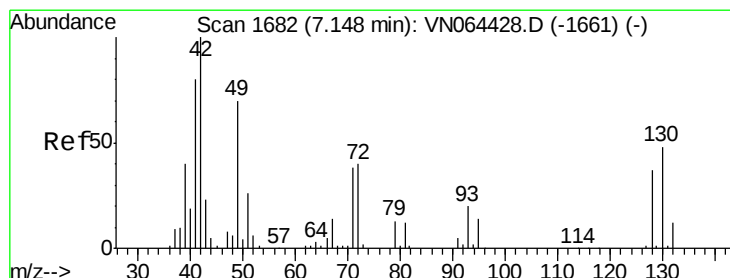
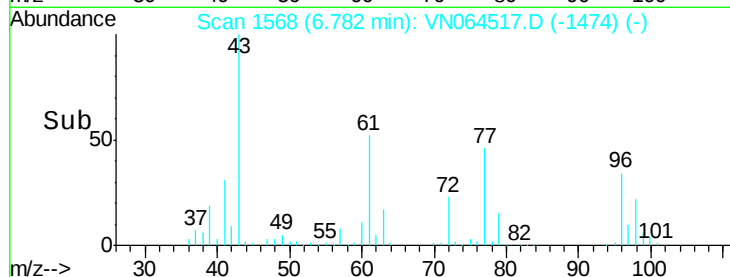
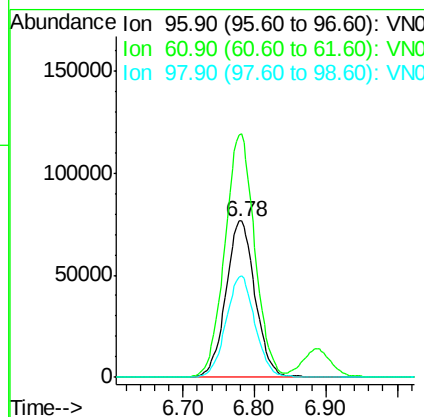
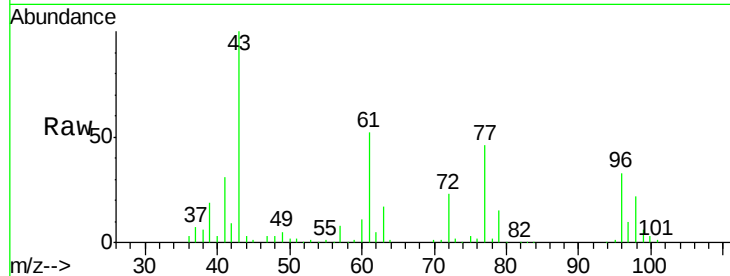
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	218419
Ion	Ratio	Lower	Upper
96	100		
61	158.9	0.0	329.6
98	64.2	0.0	131.2

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#28

Bromochloromethane

Concen: 47.364 ug/l

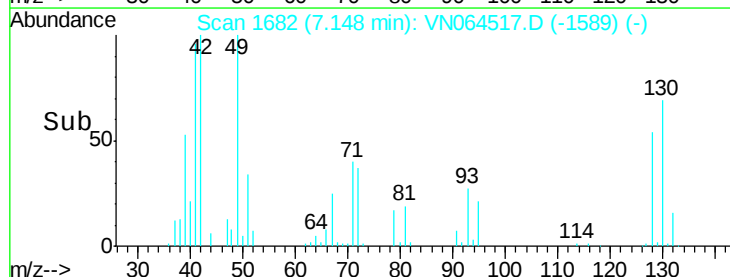
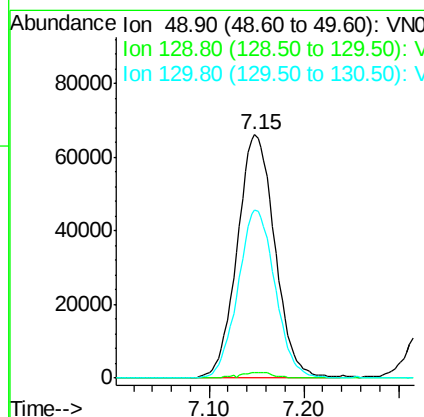
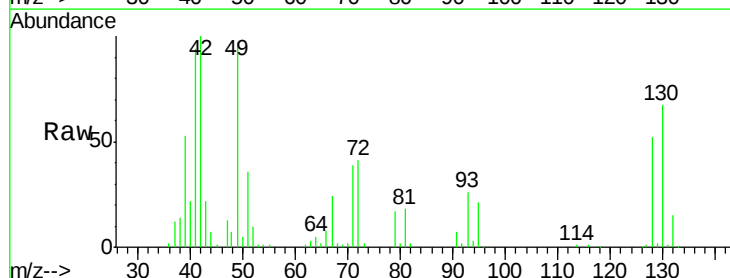
RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

Tgt Ion:	49	Resp:	182823
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	68.0	54.2	81.4





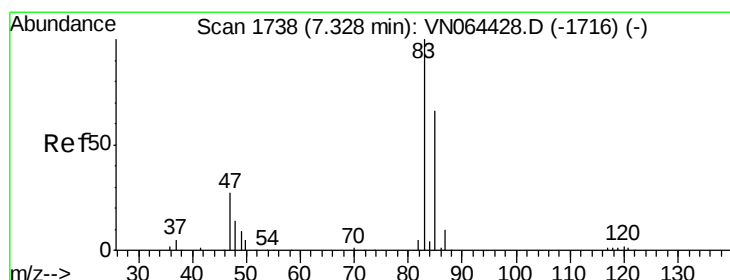
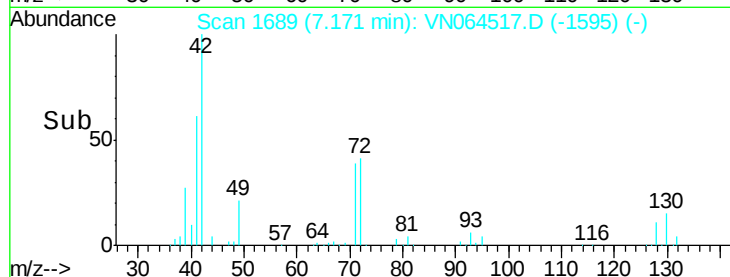
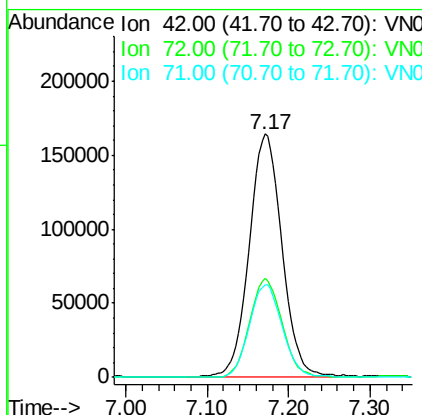
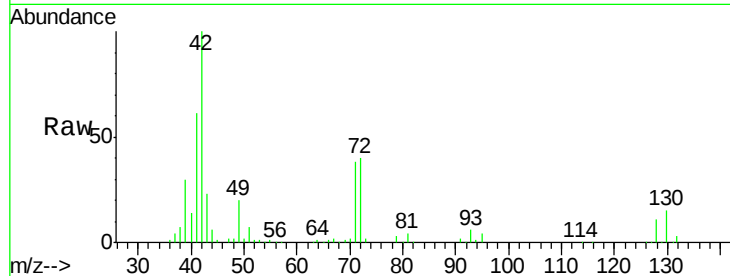
#29
Tetrahydrofuran
Concen: 271.891 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	31.7	47.5
71	38.6	29.8	44.6

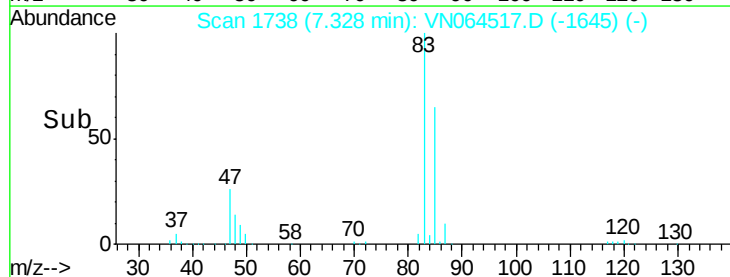
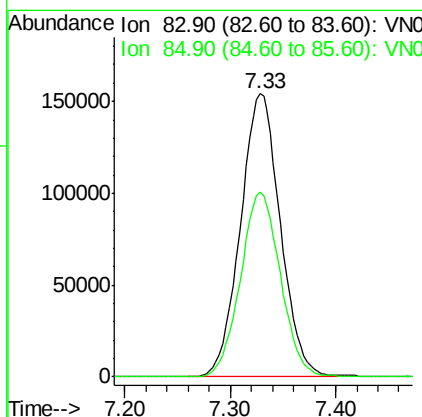
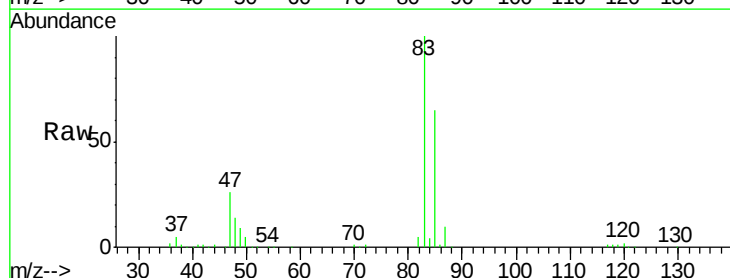
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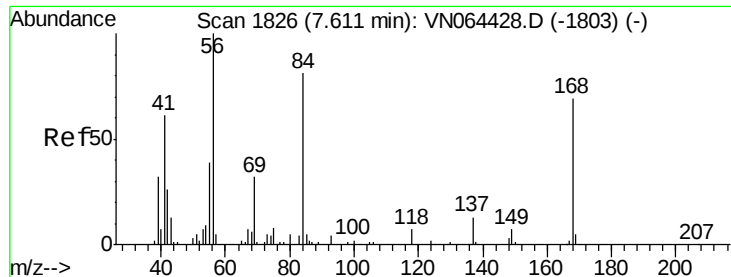
MMDadoda
11/11/2020 1:01:17 PM



#30
Chloroform
Concen: 49.083 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.5	78.7





#31

Cyclohexane

Concen: 44.355 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

Instrument :

MSVOA_N

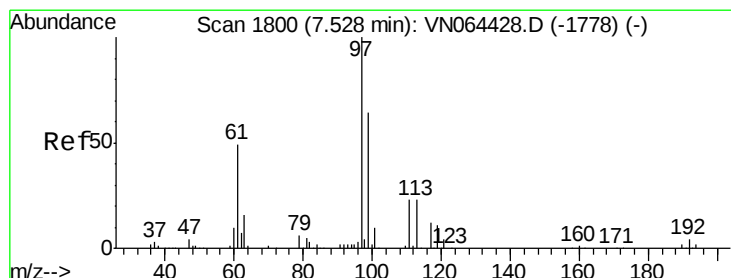
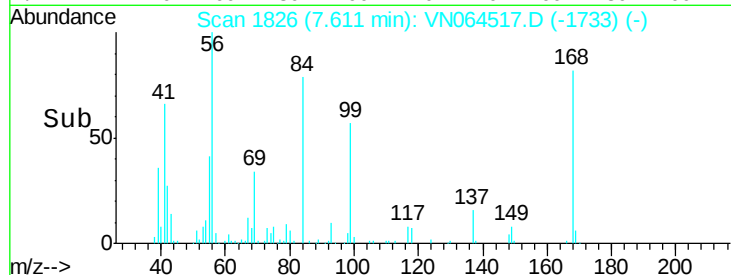
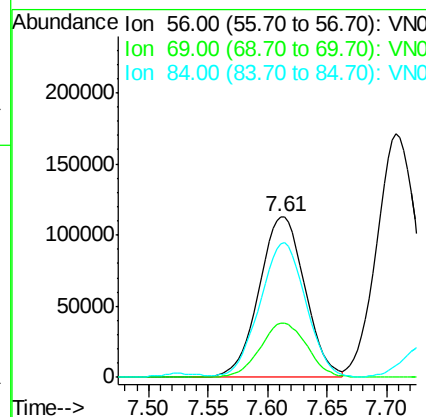
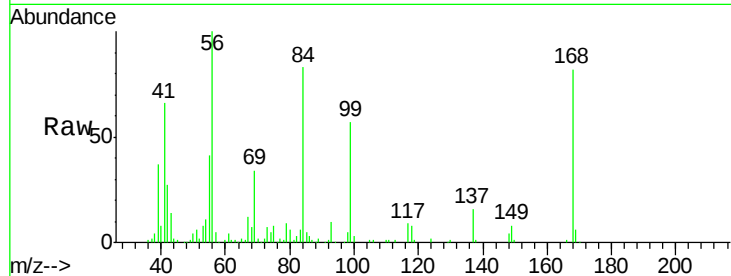
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	302217
Ion Ratio	Lower	Upper	
56	100		
69	33.8	25.6	38.4
84	81.3	63.0	94.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.552 ug/l

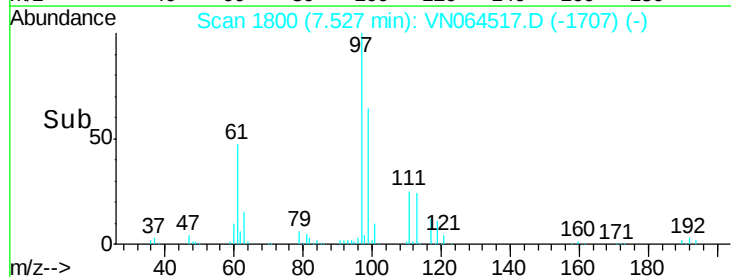
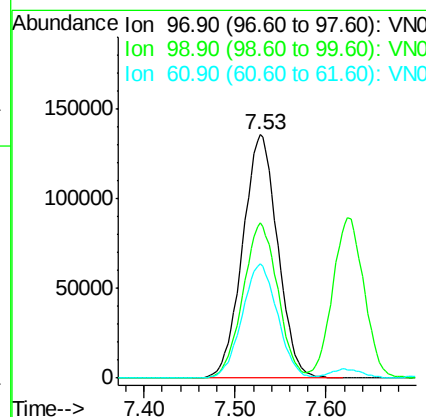
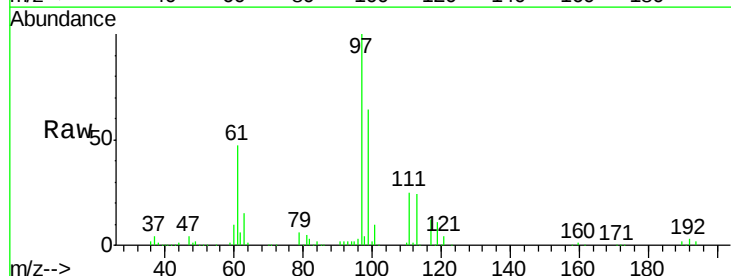
RT: 7.53 min Scan# 1800

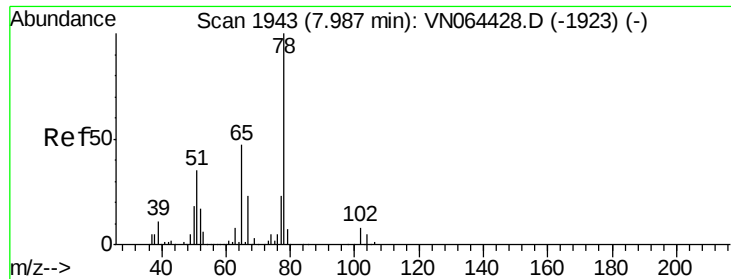
Delta R.T. -0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

Tgt Ion:	97	Resp:	362786
Ion Ratio	Lower	Upper	
97	100		
99	63.1	51.3	76.9
61	47.3	39.1	58.7





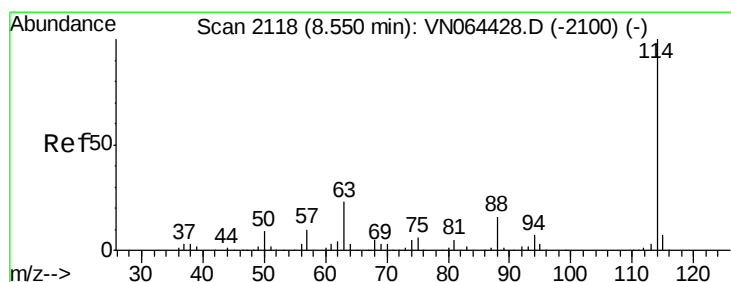
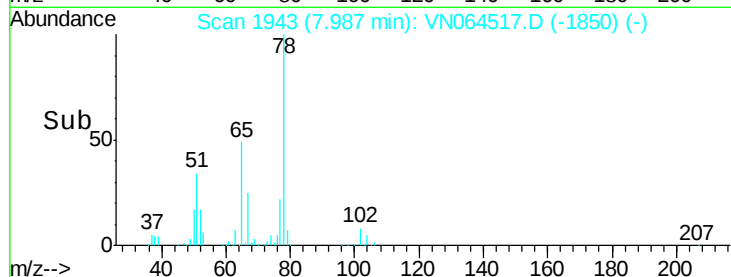
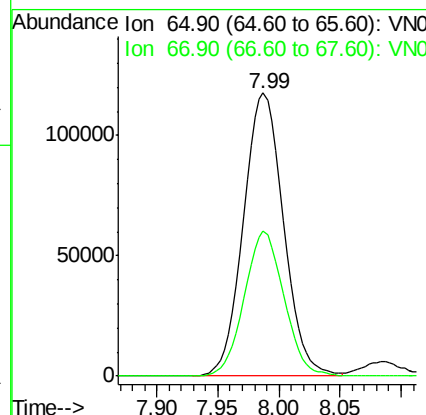
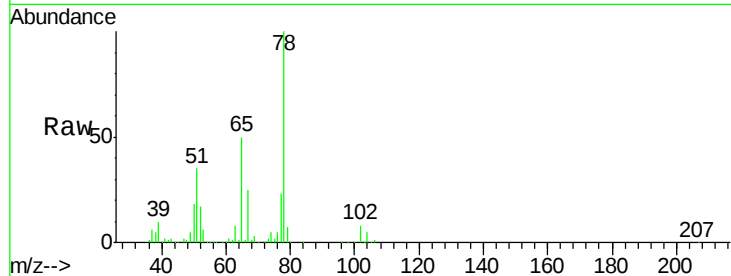
#33
 1,2-Dichloroethane-d4
 Concen: 47.781 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064517.D
 Acq: 10 Nov 2020 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	267818		
67	50.5	0.0	101.6	

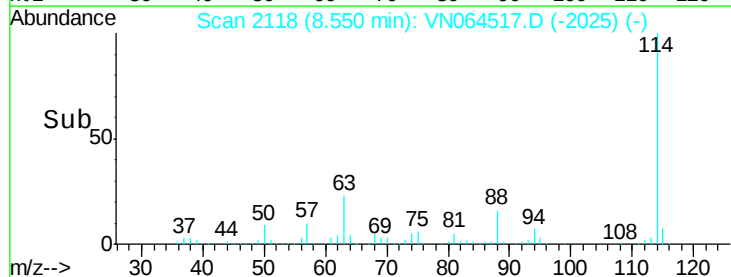
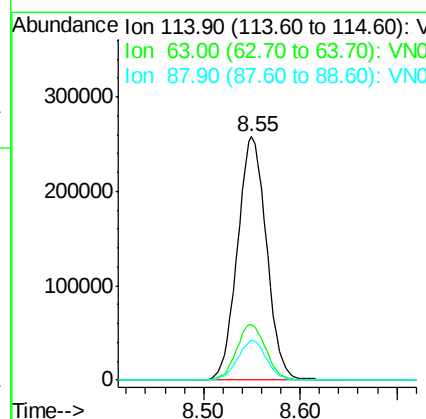
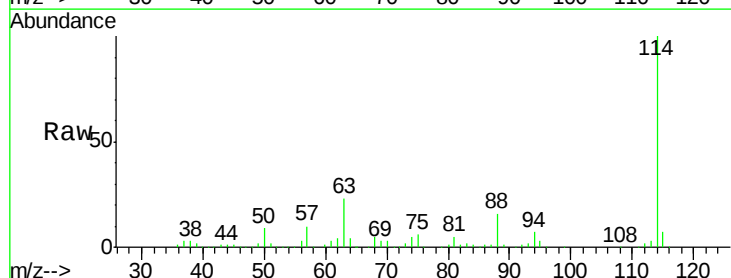
Manual Integrations
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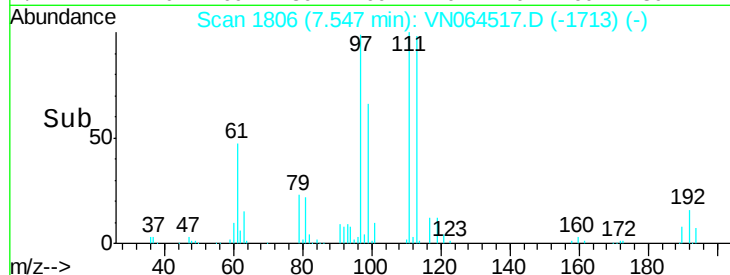
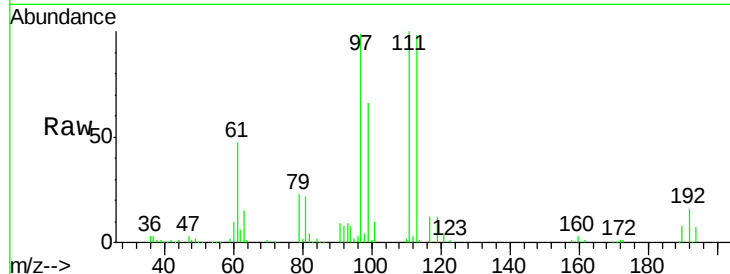
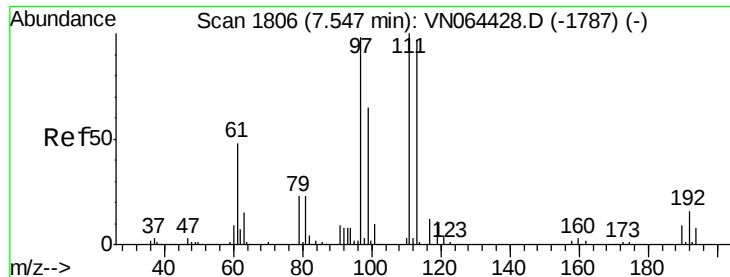
MMDadoda
 11/11/2020 1:01:17 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064517.D
 Acq: 10 Nov 2020 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	537088		
63	22.9	0.0	45.6	
88	16.4	0.0	32.8	





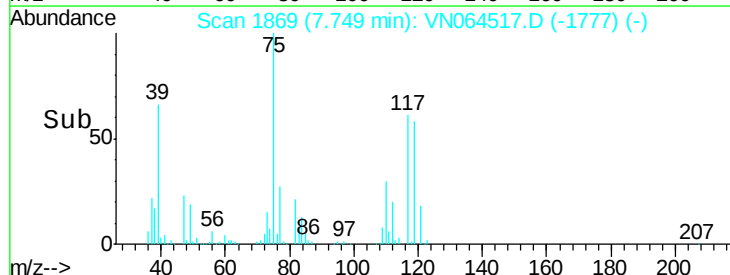
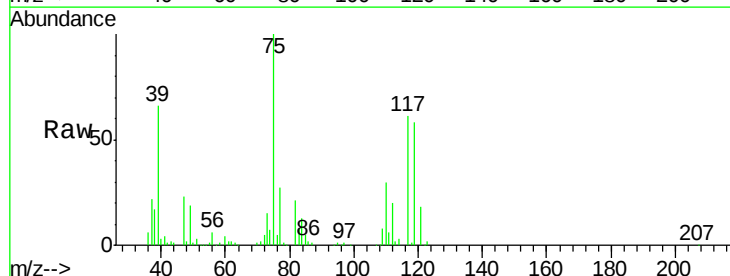
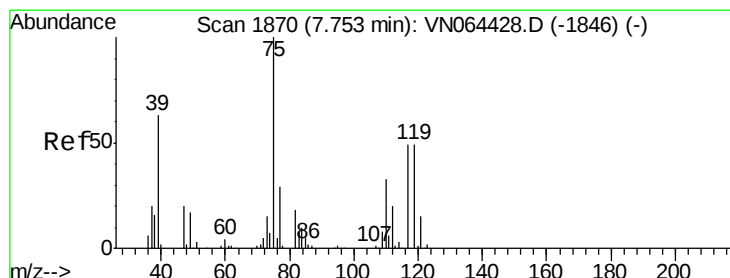
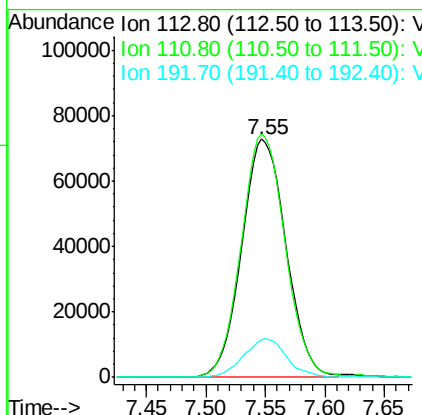
#35
Dibromofluoromethane
Concen: 51.216 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Tot Ion	Ratio	Resp	Lower	Upper
113	100	187287		
111	101.5	81.1	121.7	
192	15.8	12.8	19.2	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

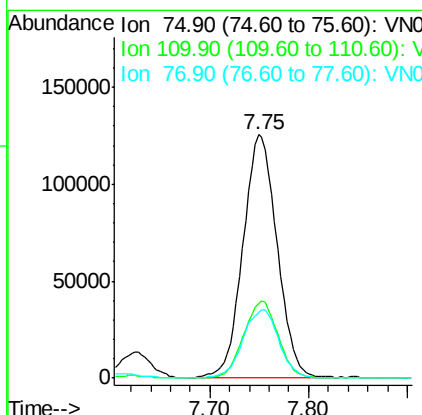
Manual Integrations
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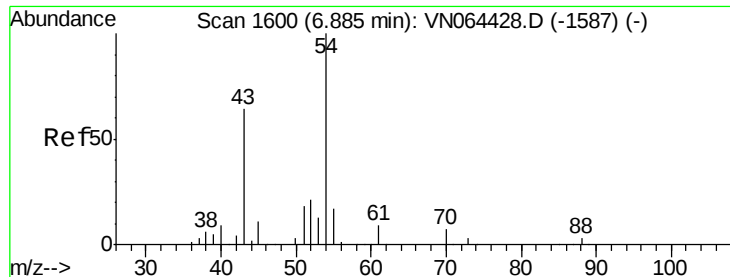
MMDadoda
11/11/2020 1:01:17 PM



#36
1,1-Dichloropropene
Concen: 52.492 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	297838		
110	32.0	16.0	48.0	
77	30.0	24.0	36.0	





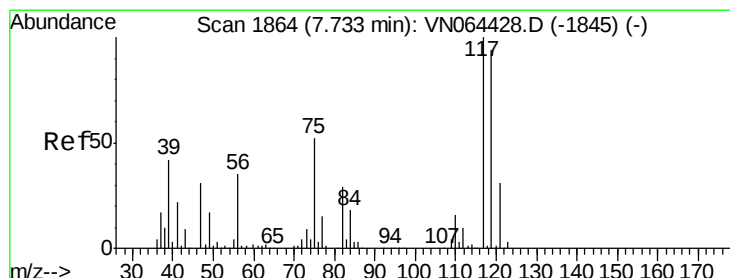
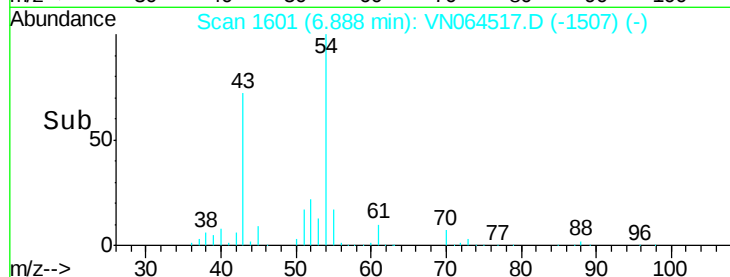
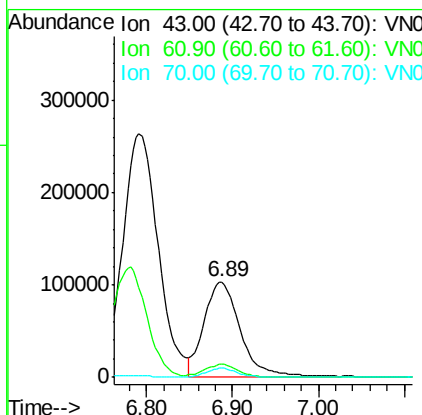
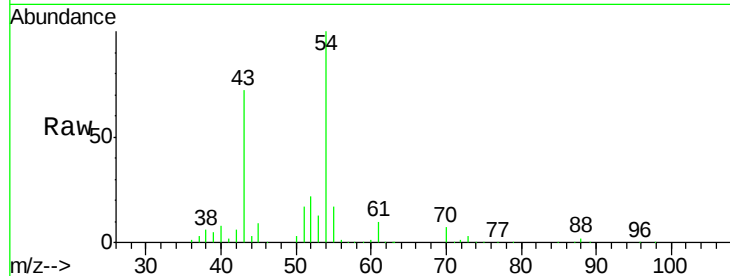
#37
Ethyl Acetate
Concen: 51.918 ug/l
RT: 6.89 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.0	15.0
70	8.2	7.1	10.7

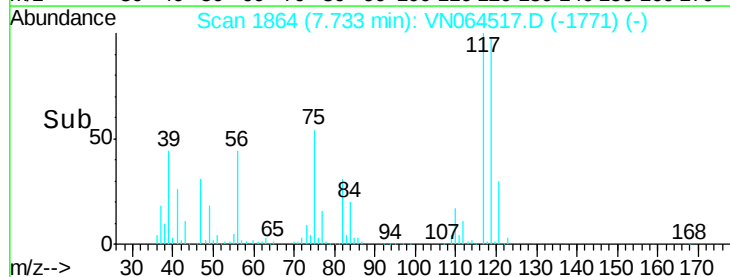
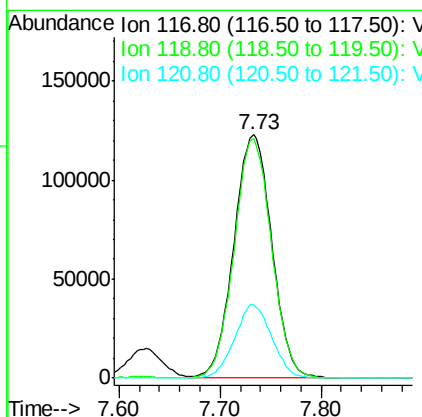
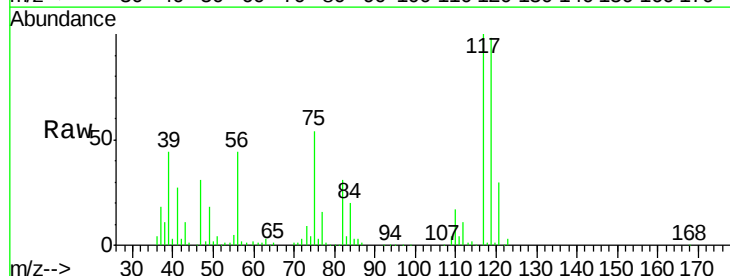
Manual Integrations
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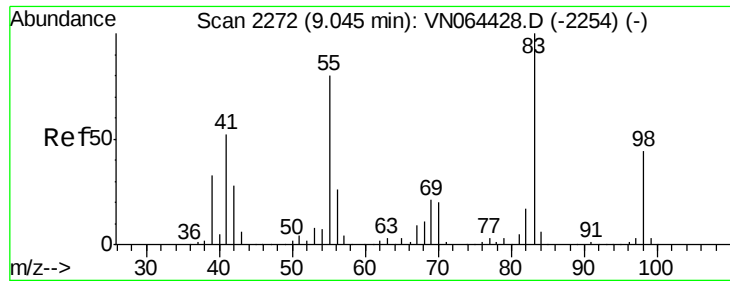
MMDadoda
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#38
Carbon Tetrachloride
Concen: 52.758 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	75.5	113.3
121	30.3	24.4	36.6





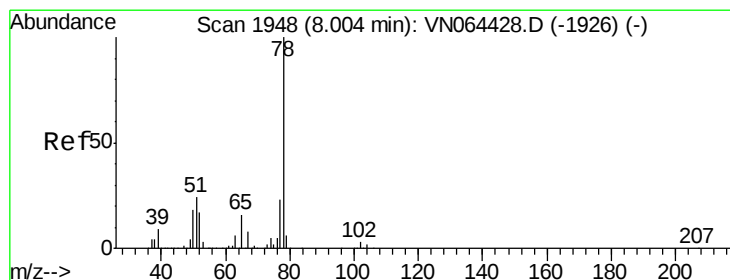
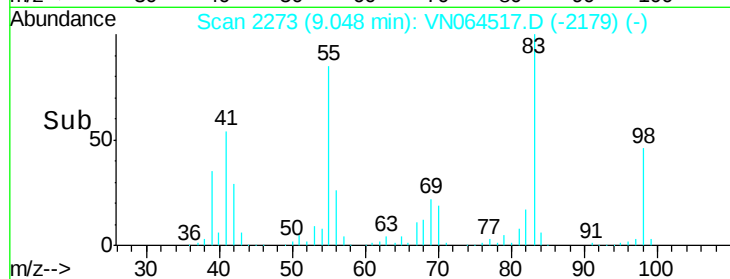
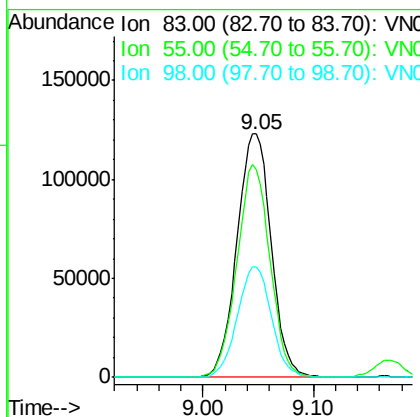
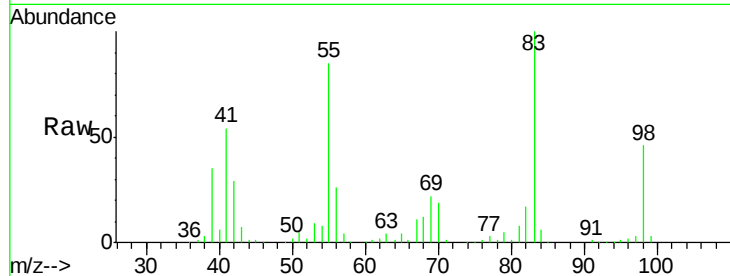
#39
Methvlcvclohexane
Concen: 52.059 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	264787
Ion Ratio	100	Lower	Upper
83	100		
55	85.5	63.8	95.6
98	45.6	35.4	53.2

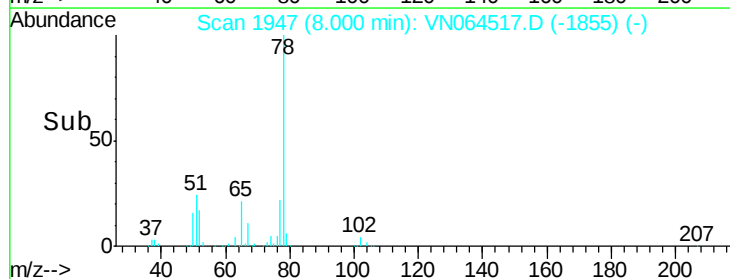
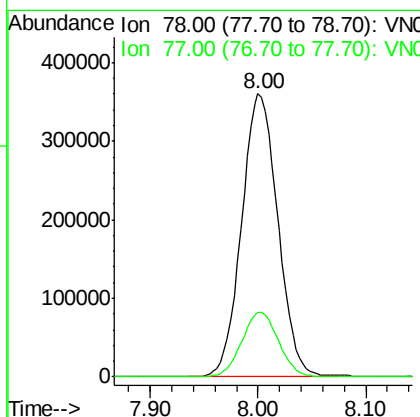
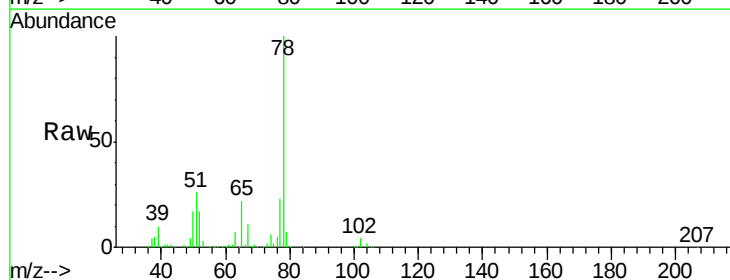
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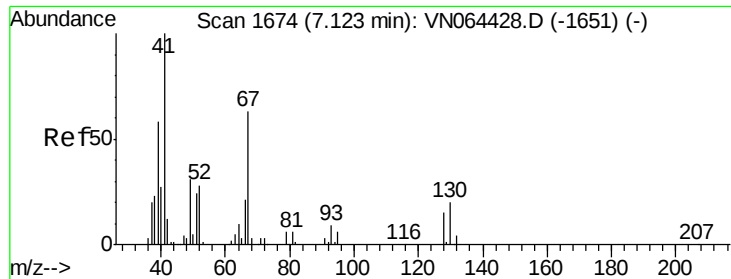
MMDadoda
11/11/2020 1:01:17 PM



#40
Benzene
Concen: 50.498 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Tgt Ion	78	Resp	841944
Ion Ratio	100	Lower	Upper
78	100		
77	22.8	18.7	28.1





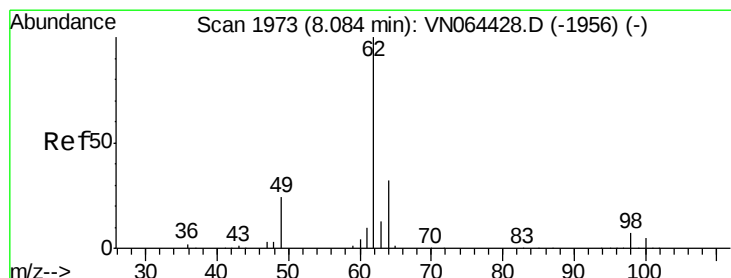
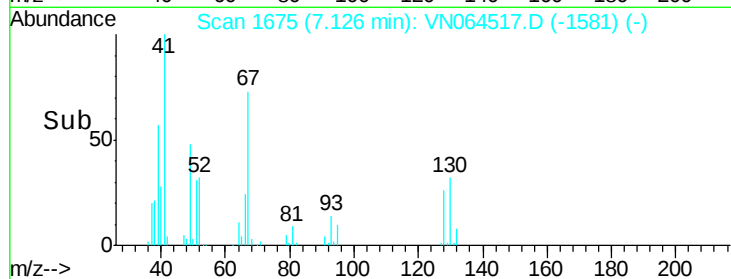
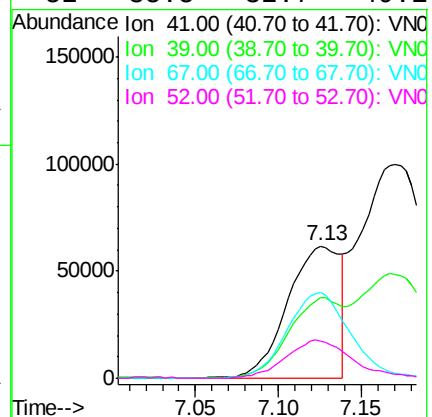
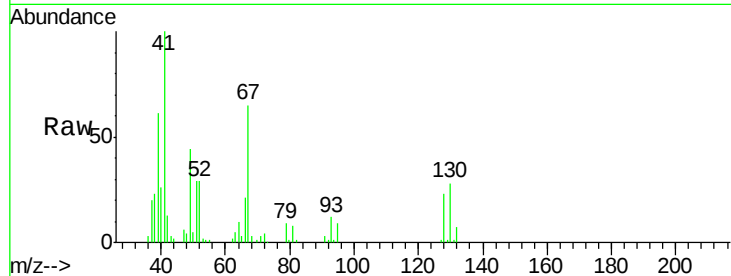
#41
Methacrylonitrile
Concen: 53.837 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	135430
Ion Ratio	Lower	Upper	
41	100		
39	63.6	50.0	75.0
67	79.0	68.3	102.5
52	35.5	32.7	49.1

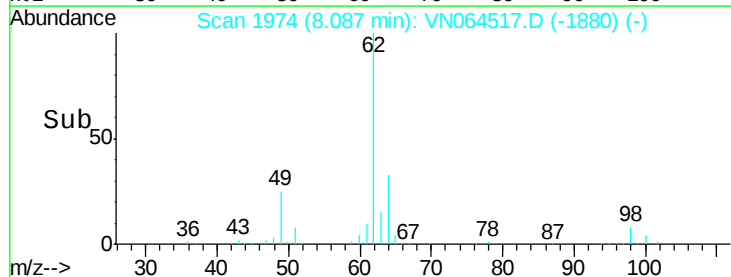
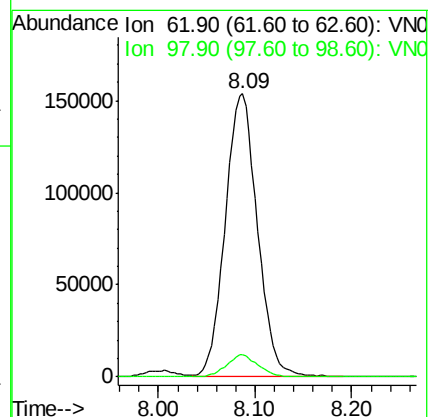
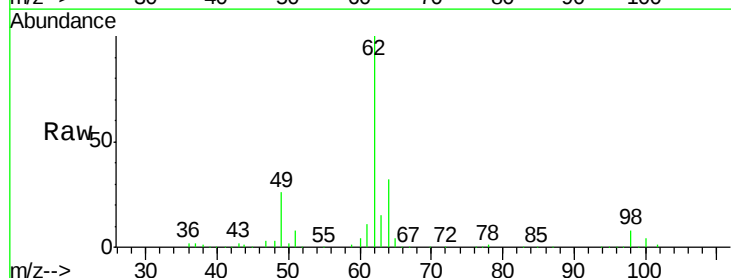
Manual Integrations
APPROVED

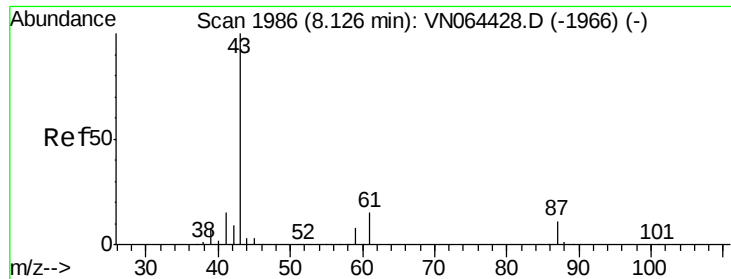
MMDadoda
11/11/2020 1:01:17 PM



#42
1,2-Dichloroethane
Concen: 52.513 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Tgt Ion	62	Resp	353337
Ion Ratio	Lower	Upper	
62	100		
98	7.6	0.0	14.0





#43

Isopropyl Acetate

Concen: 53.490 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

Instrument :

MSVOA_N

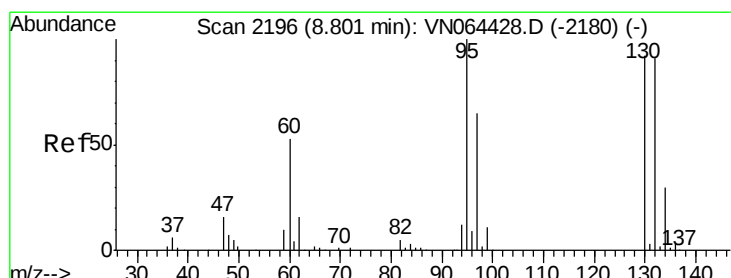
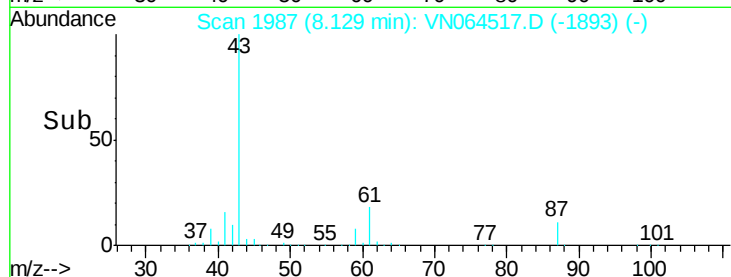
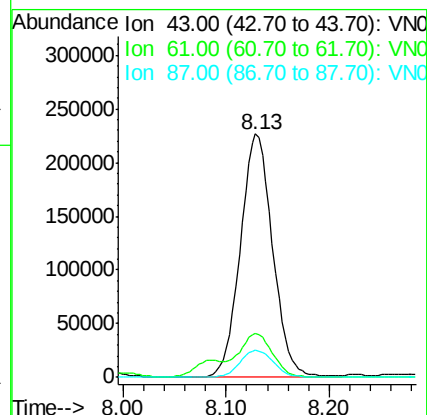
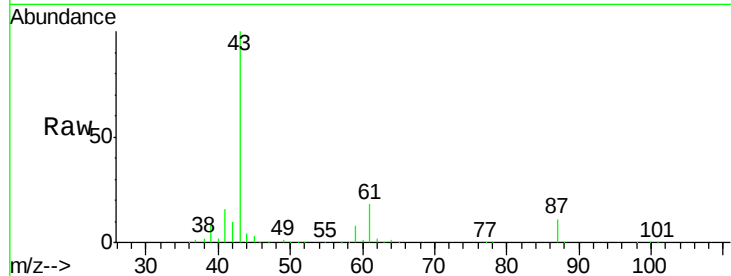
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	491844
Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.0	21.0
87	11.7	9.1	13.7

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#44

Trichloroethene

Concen: 50.977 ug/l

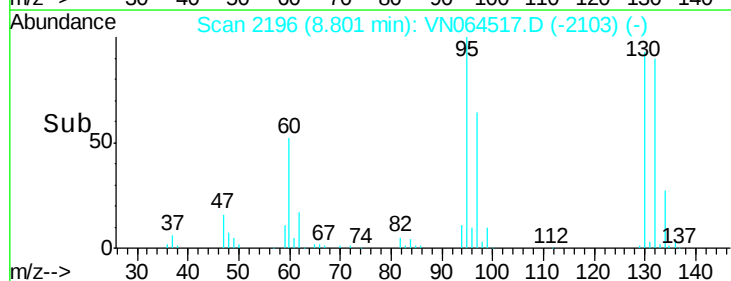
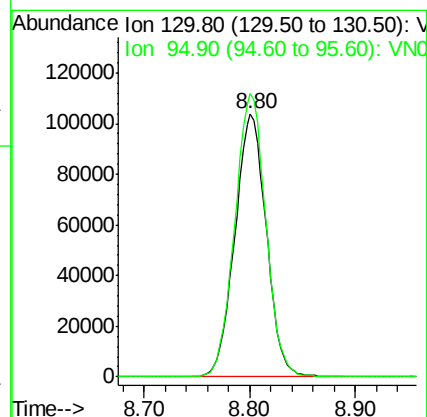
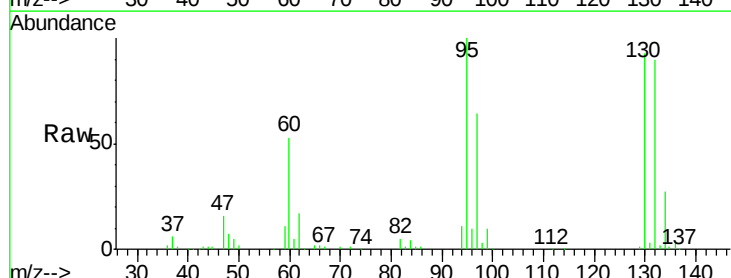
RT: 8.80 min Scan# 2196

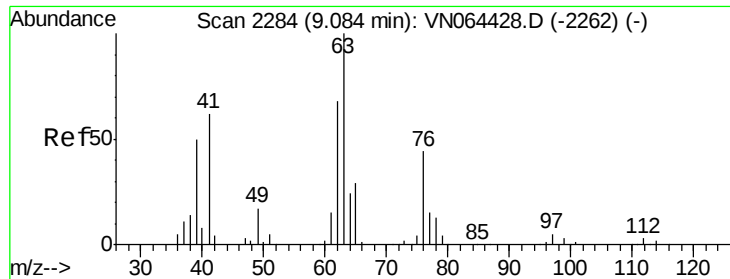
Delta R.T. -0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

Tgt Ion:	130	Resp:	214440
Ion	Ratio	Lower	Upper
130	100		
95	107.5	0.0	216.8





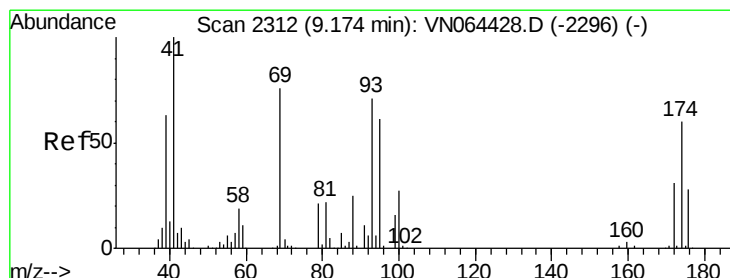
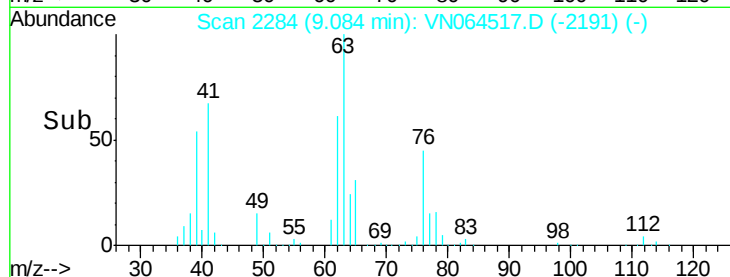
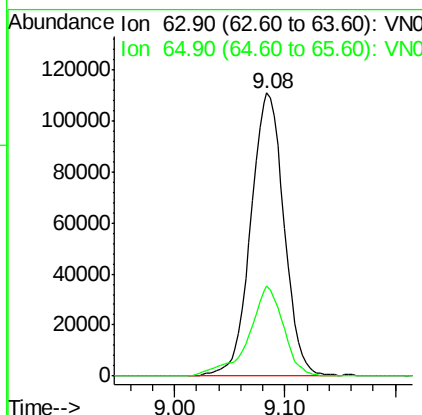
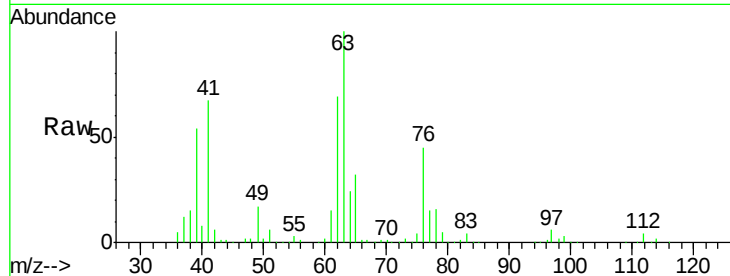
#45
 1,2-Dichloropropane
 Concen: 52.139 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064517.D
 Acq: 10 Nov 2020 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 231954
 Ion Ratio Lower Upper
 63 100
 65 31.7 23.6 35.4

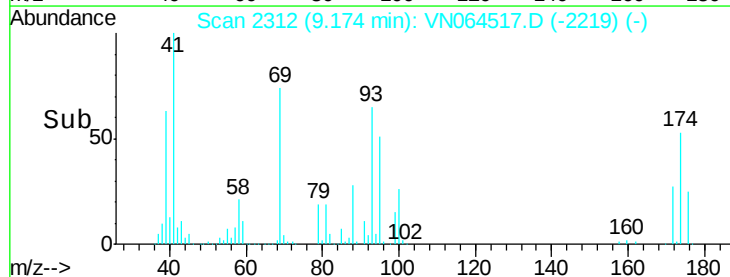
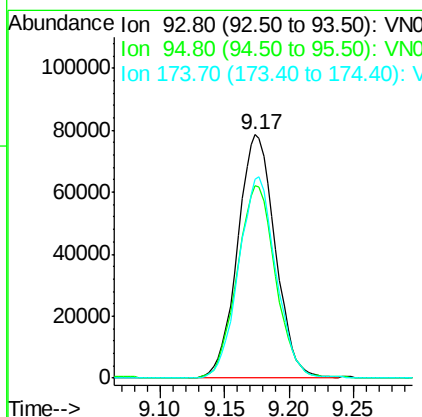
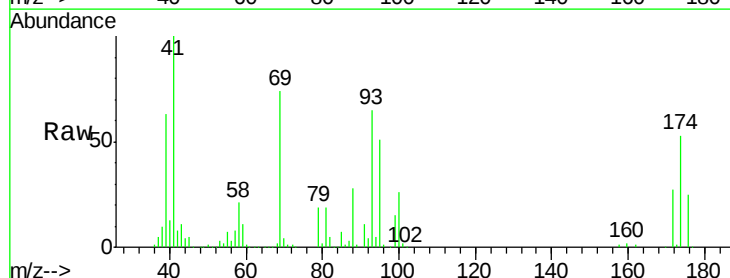
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#46
 Dibromomethane
 Concen: 54.534 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064517.D
 Acq: 10 Nov 2020 11:05

Tgt Ion: 93 Resp: 159705
 Ion Ratio Lower Upper
 93 100
 95 80.5 66.4 99.6
 174 82.0 67.2 100.8





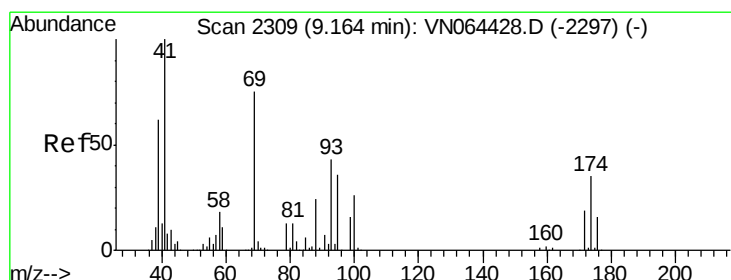
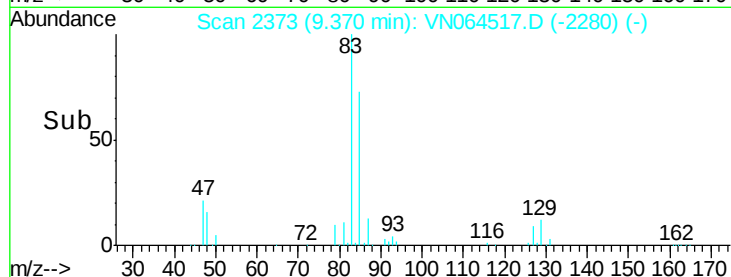
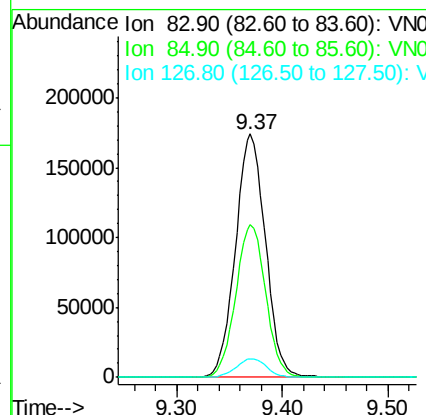
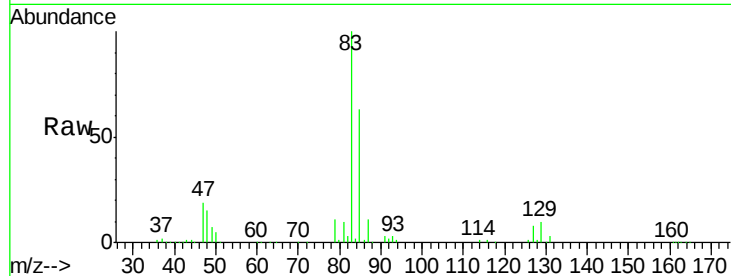
#47
Bromodichloromethane
Concen: 54.386 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.2	76.8
127	7.8	6.9	10.3

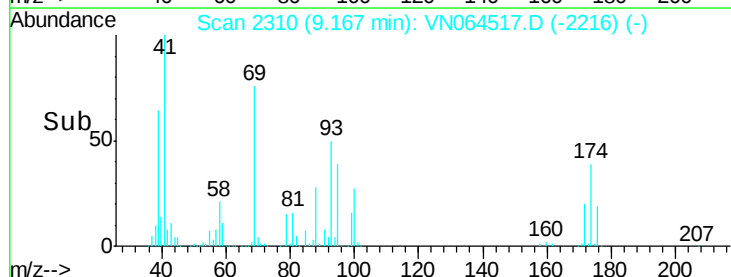
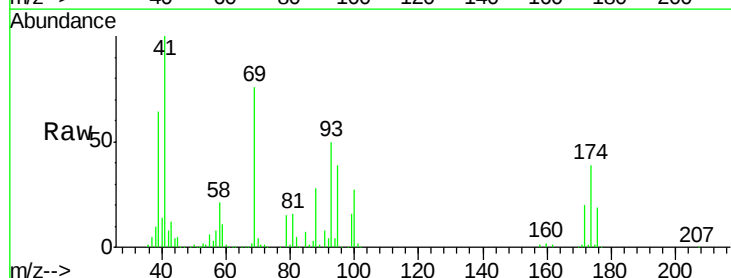
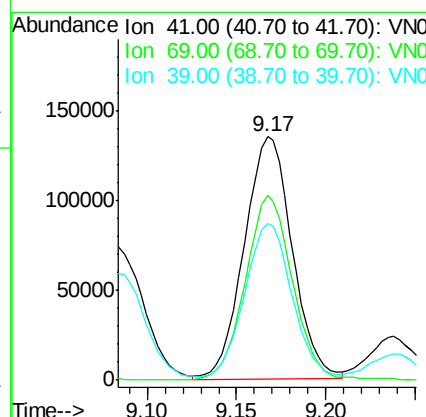
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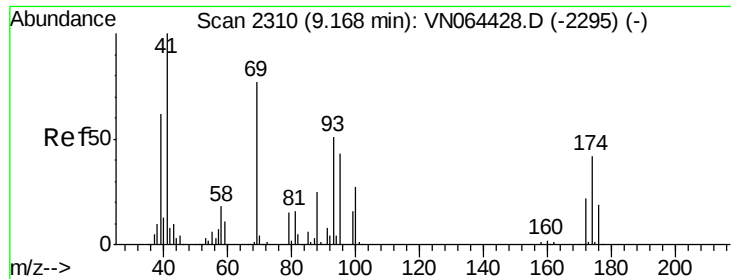
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#48
Methyl methacrylate
Concen: 54.726 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.0	60.4	90.6
39	63.9	51.2	76.8





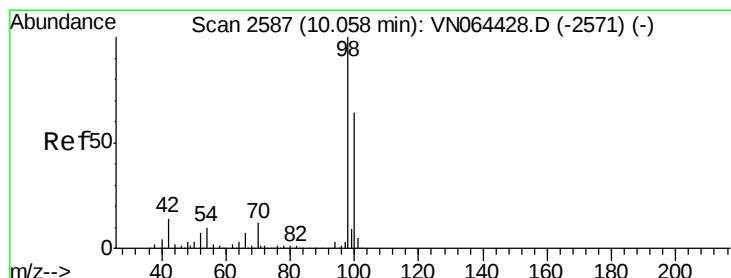
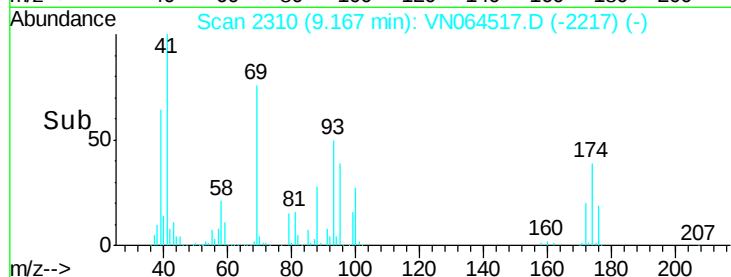
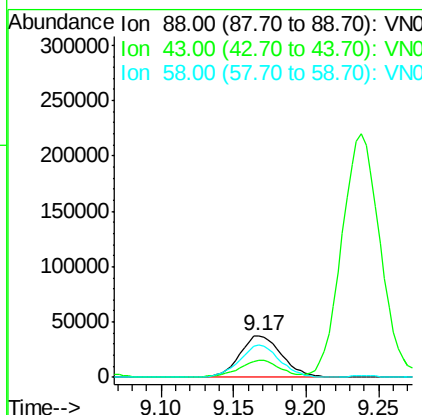
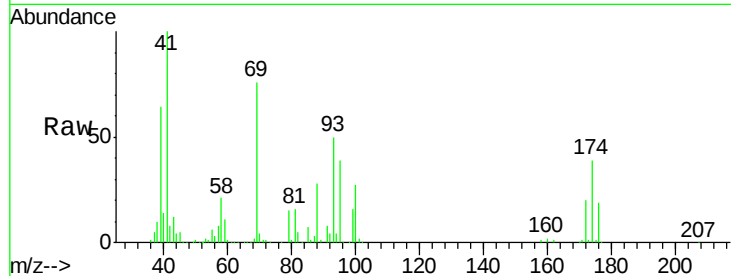
#49
1,4-Dioxane
Concen: 1244.513 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.9	31.0	46.6
58	73.8	58.4	87.6

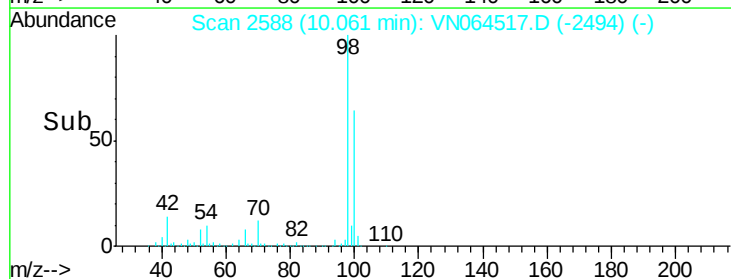
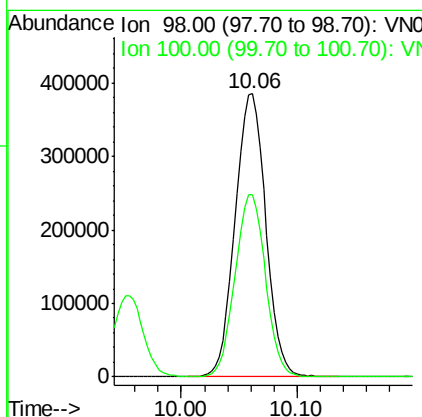
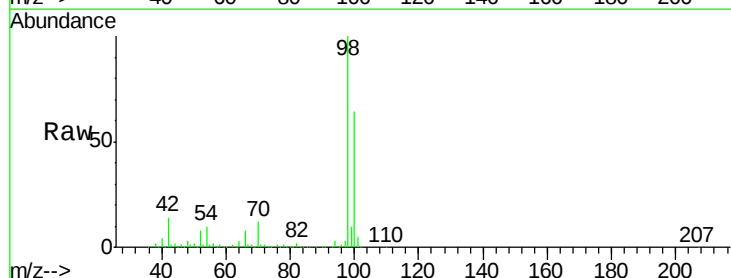
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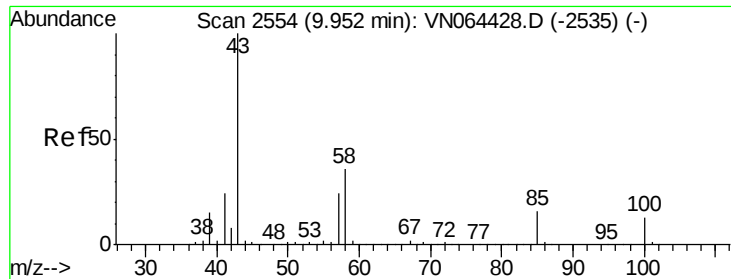
MMDadoda
11/11/2020 1:01:17 PM



#50
Toluene-d8
Concen: 50.096 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 293.691 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1574868

Ion Ratio Lower Upper

43 100

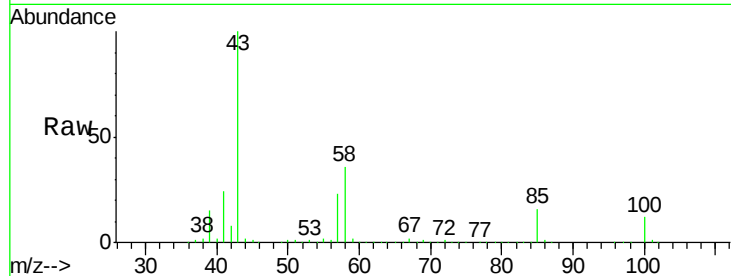
58 36.1 28.4 42.6

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

800000

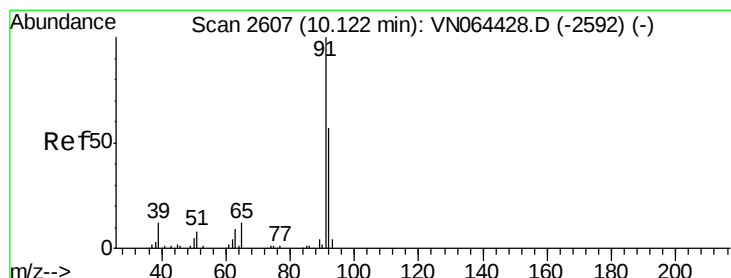
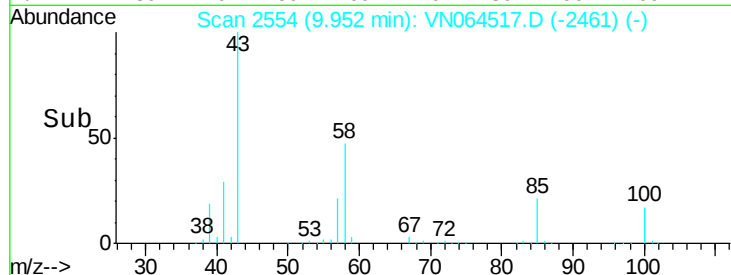
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 53.212 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064517.D

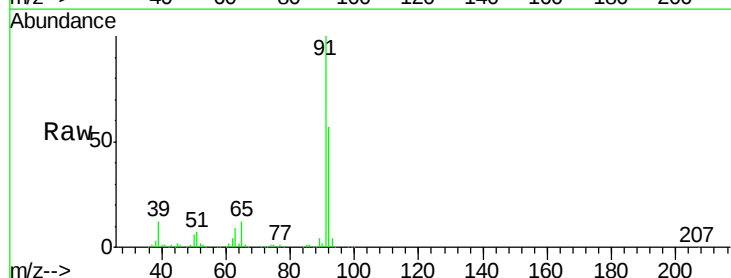
Acq: 10 Nov 2020 11:05

Tgt Ion: 92 Resp: 541117

Ion Ratio Lower Upper

92 100

91 175.5 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

600000

500000

400000

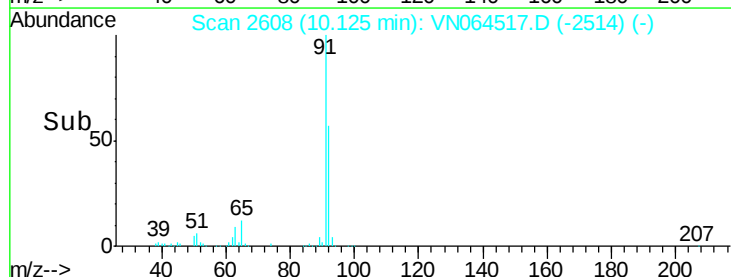
300000

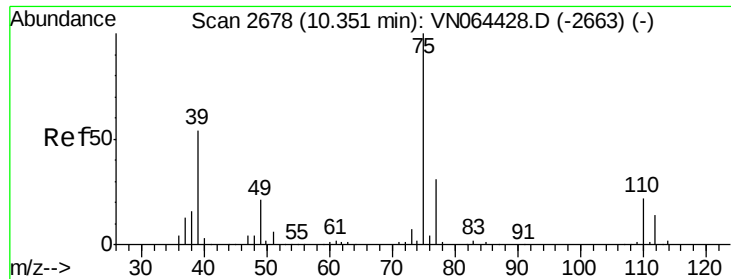
200000

100000

0

Time-->





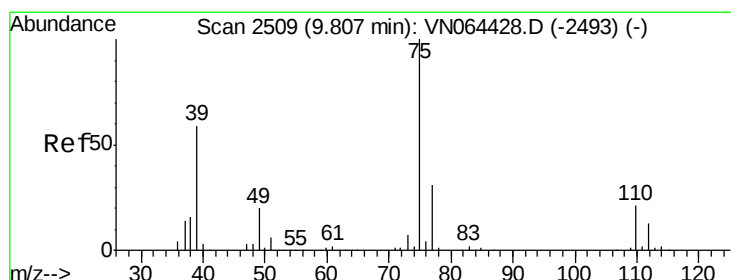
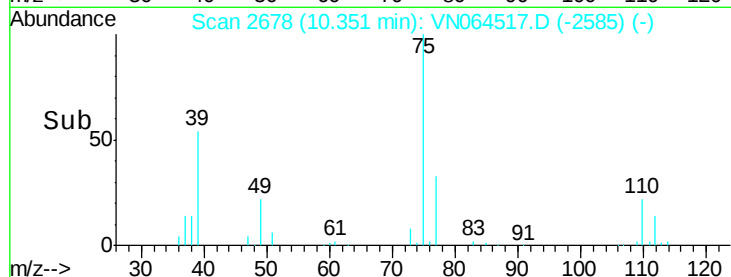
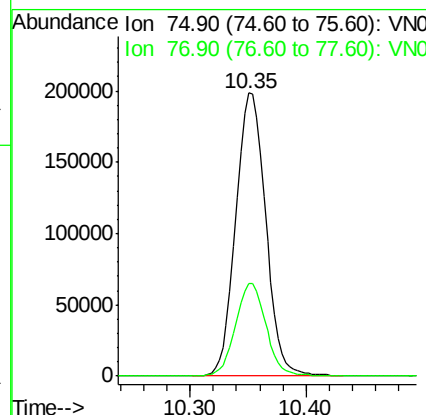
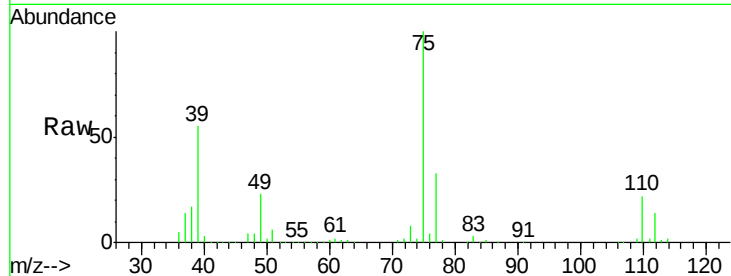
#53
t-1,3-Dichloropropene
Concen: 53.148 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 354808
Ion Ratio Lower Upper
75 100
77 32.4 24.8 37.2

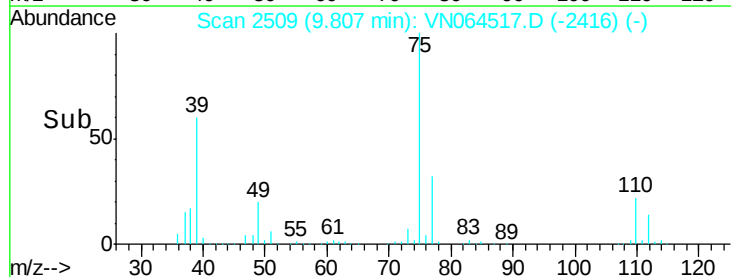
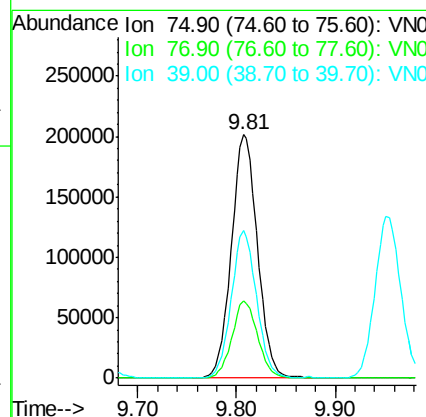
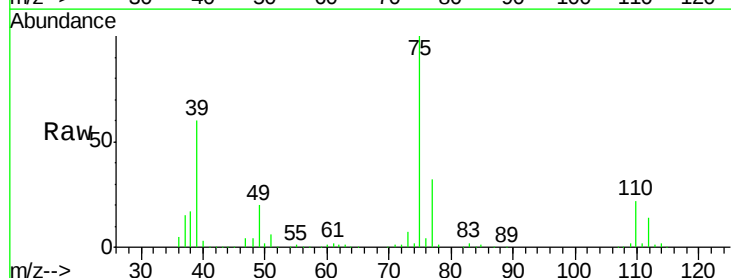
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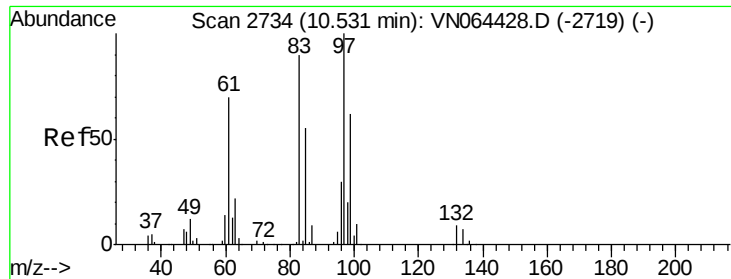
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 52.253 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Tgt Ion: 75 Resp: 372970
Ion Ratio Lower Upper
75 100
77 31.8 24.9 37.3
39 60.3 47.1 70.7





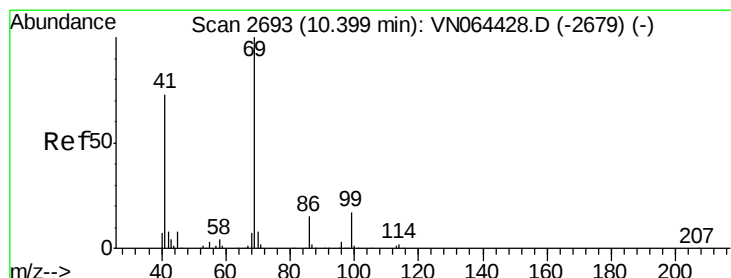
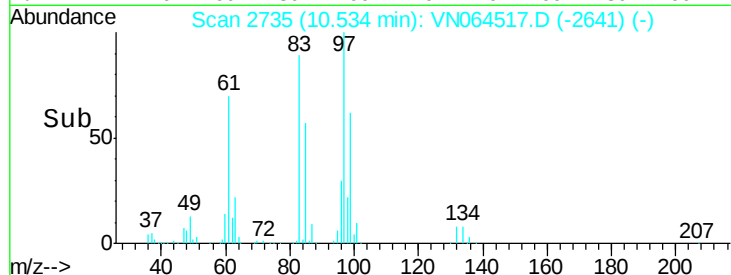
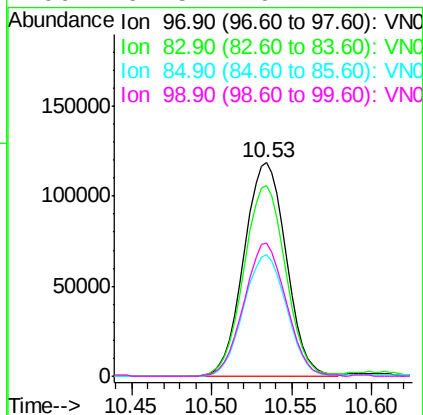
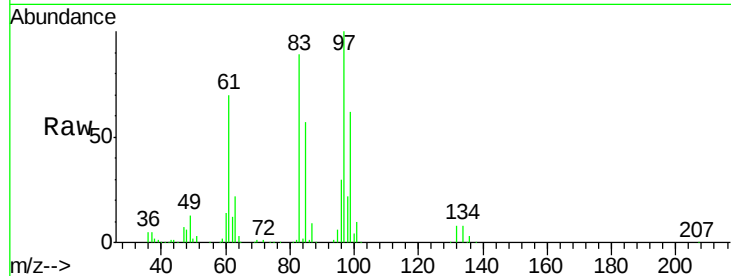
#55
 1,1,2-Trichloroethane
 Concen: 54.098 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064517.D
 Acq: 10 Nov 2020 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	214547
Ion	Ratio	Lower	Upper
97	100		
83	89.5	71.7	107.5
85	56.8	44.3	66.5
99	62.5	49.4	74.2

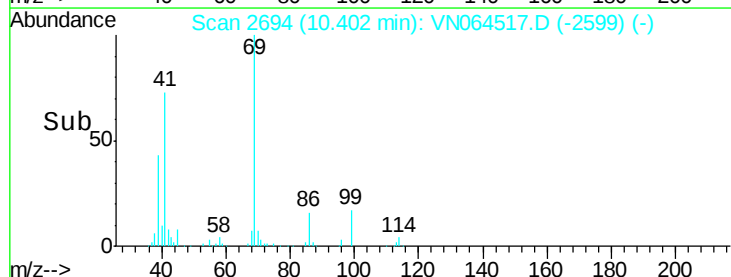
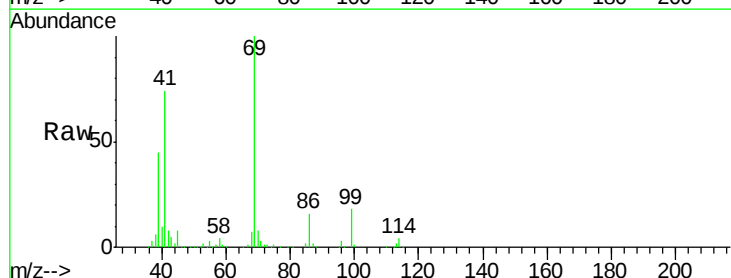
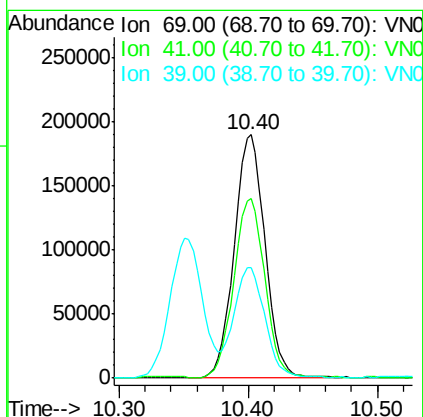
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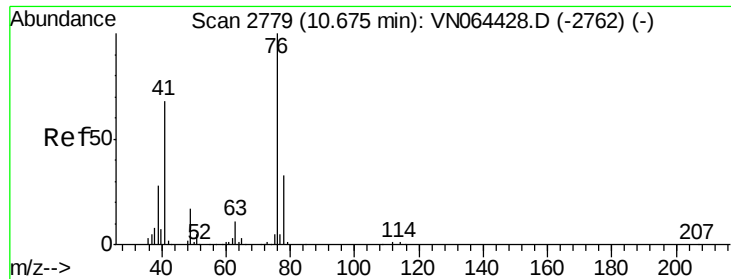
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 11/11/2020 1:01:17 PM



#56
 Ethyl methacrylate
 Concen: 48.411 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN064517.D
 Acq: 10 Nov 2020 11:05

Tgt Ion:	69	Resp:	315488
Ion	Ratio	Lower	Upper
69	100		
41	73.9	59.3	88.9
39	45.9	35.4	53.0





#57

1,3-Dichloropropane

Concen: 53.824 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 372587

Ion Ratio Lower Upper

76 100

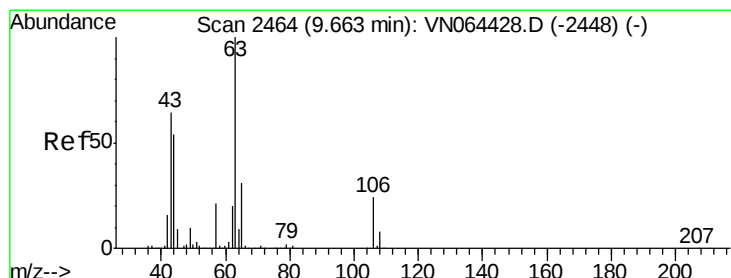
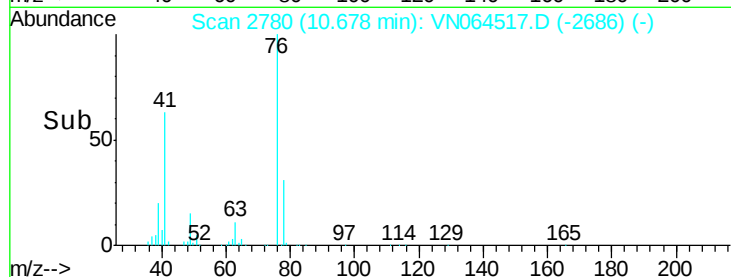
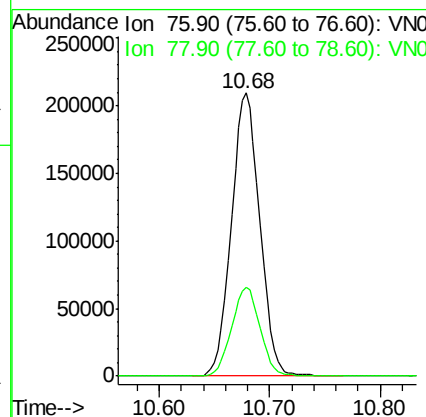
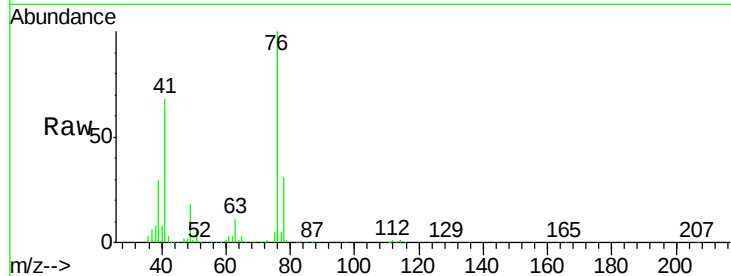
78 31.4 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 270.377 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064517.D

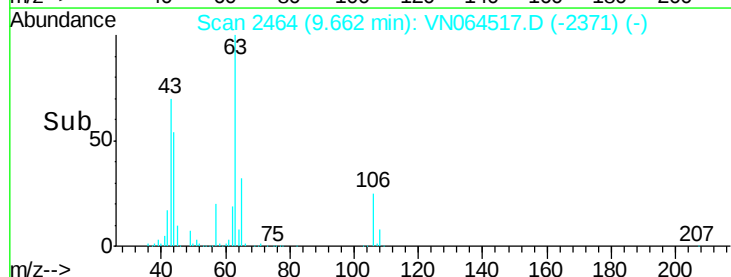
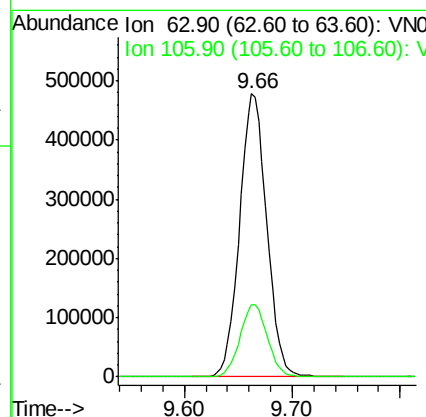
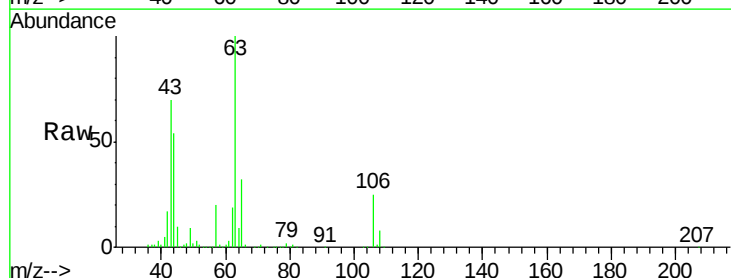
Acq: 10 Nov 2020 11:05

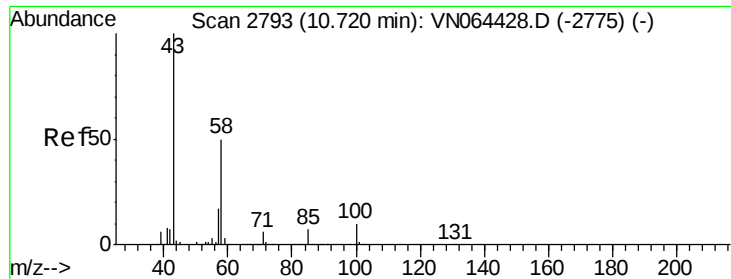
Tgt Ion: 63 Resp: 839556

Ion Ratio Lower Upper

63 100

106 25.7 19.5 29.3





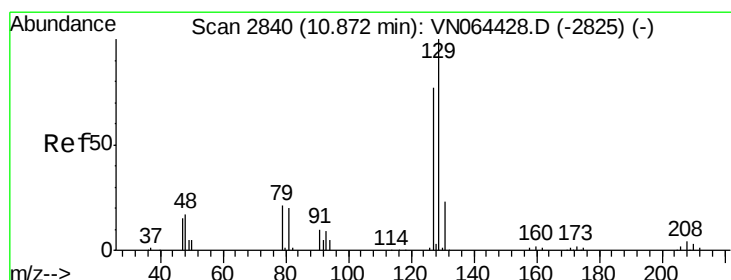
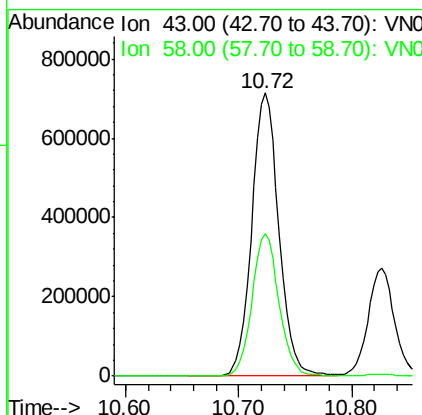
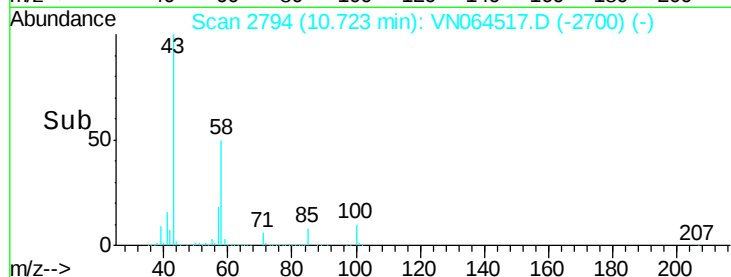
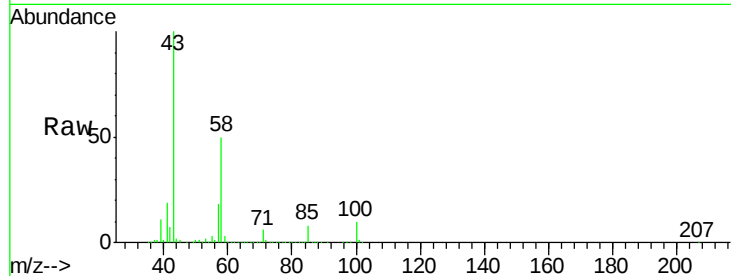
#59
2-Hexanone
Concen: 270.732 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1185305
Ion Ratio Lower Upper
43 100
58 50.2 24.7 74.1

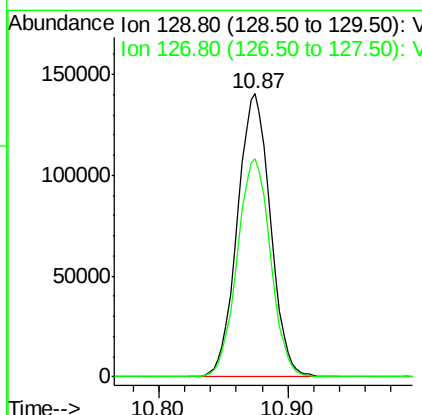
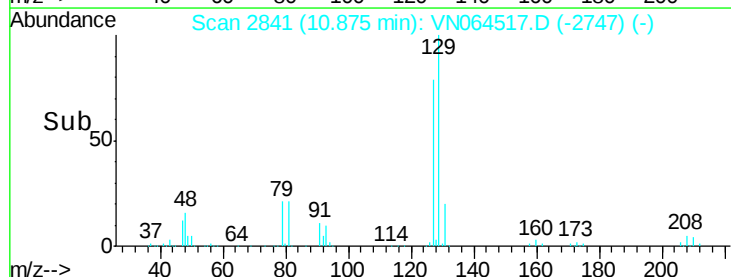
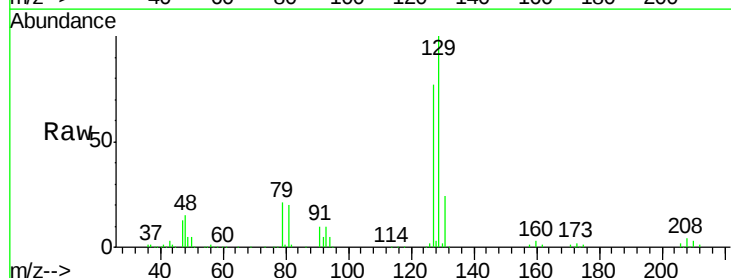
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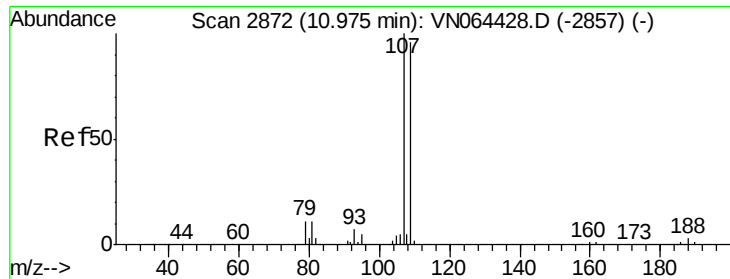
MMDadoda
11/11/2020 1:01:17 PM



#60
Dibromochloromethane
Concen: 56.424 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Tgt Ion: 129 Resp: 250535
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.7





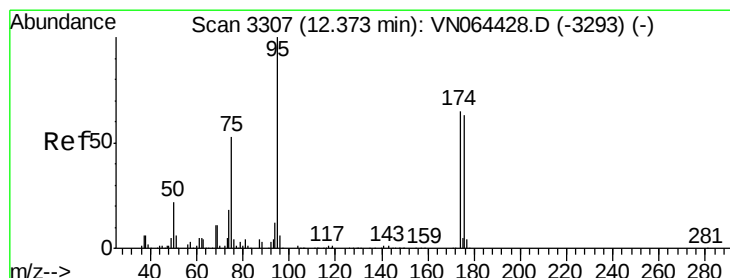
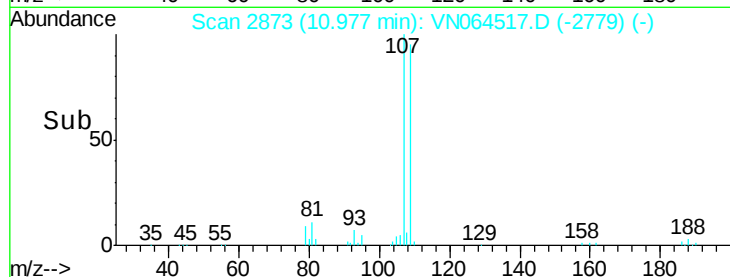
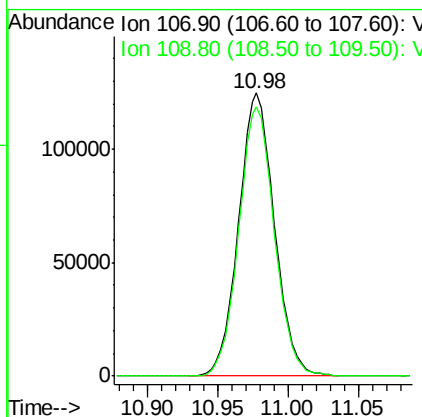
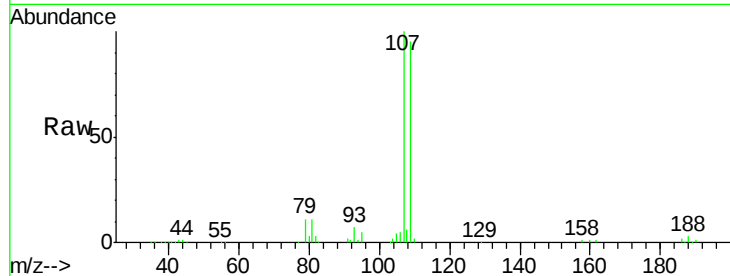
#61
1,2-Dibromoethane
Concen: 55.190 ug/l
RT: 10.98 min Scan# 2873
Delta R.T. 0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.9	113.9

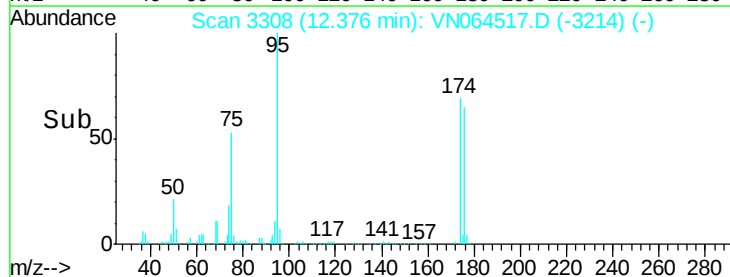
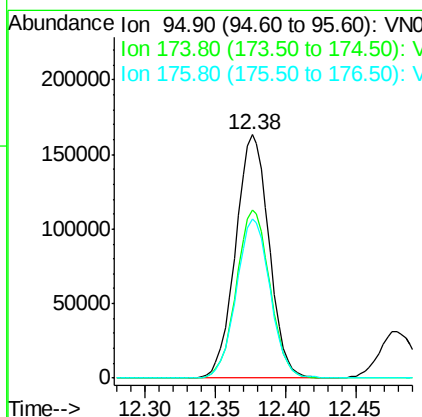
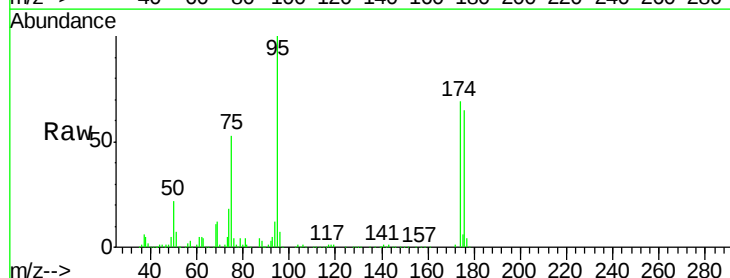
Manual Integrations
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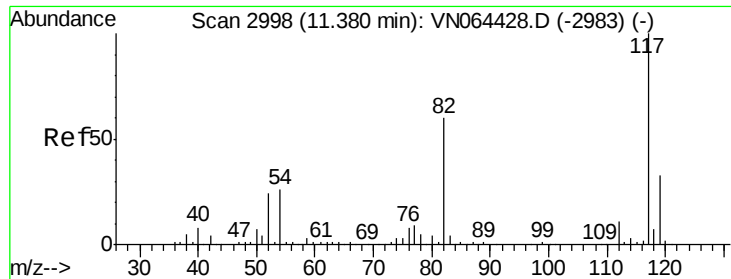
MMDadoda
11/11/2020 1:01:17 PM



#62
4-Bromofluorobenzene
Concen: 50.832 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.3	0.0	132.6
176	66.1	0.0	129.2





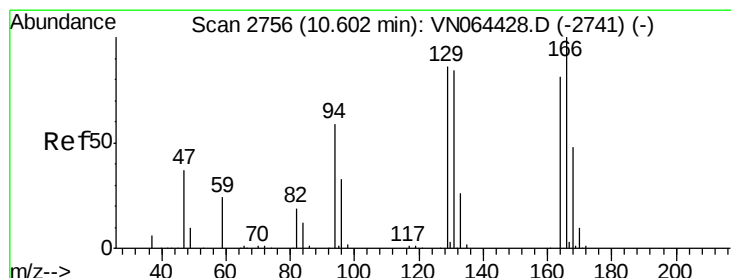
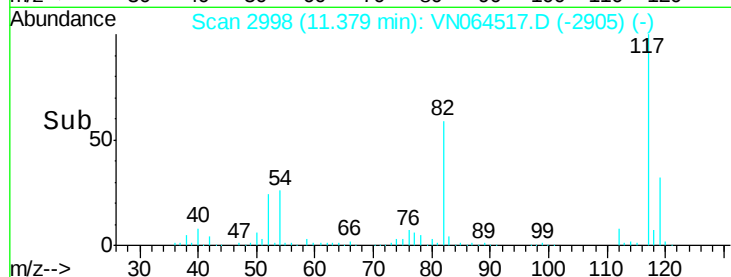
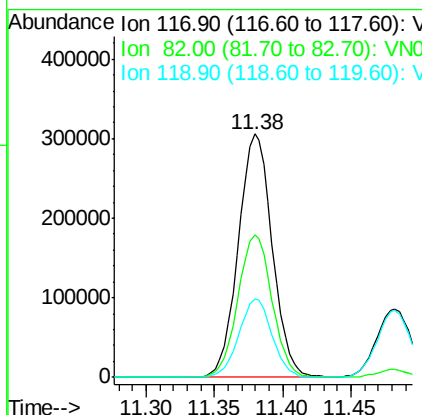
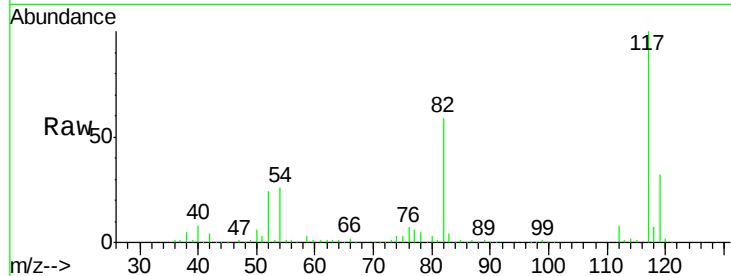
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	48.1	72.1
119	32.1	26.2	39.4

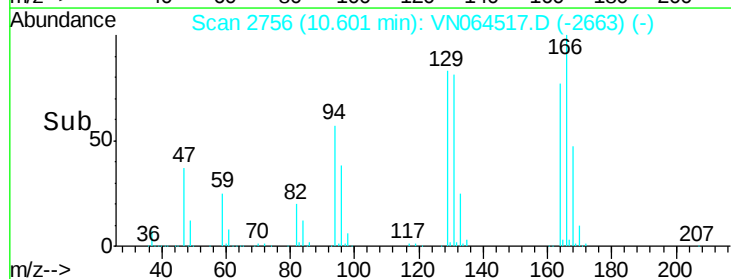
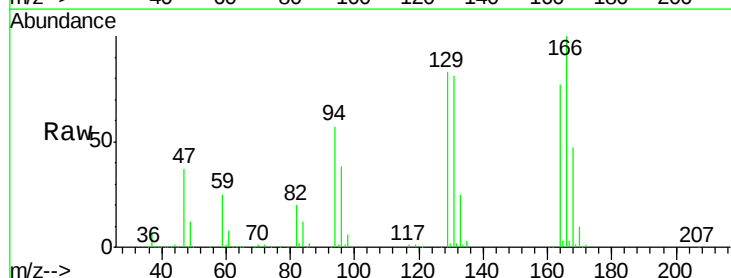
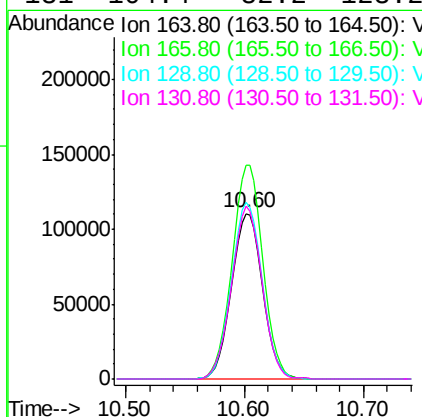
Manual Integrations
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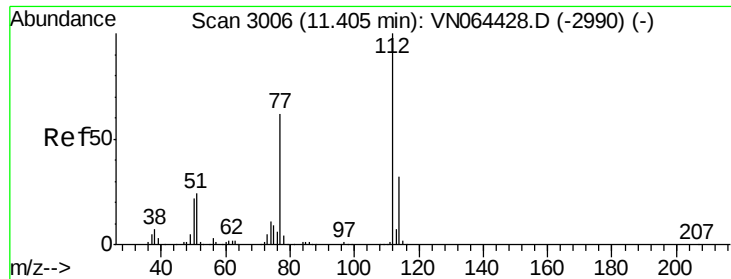
MMDadoda
11/11/2020 1:01:17 PM



#64
Tetrachloroethene
Concen: 49.062 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	98.2	147.2
129	106.8	84.6	127.0
131	104.4	82.2	123.2





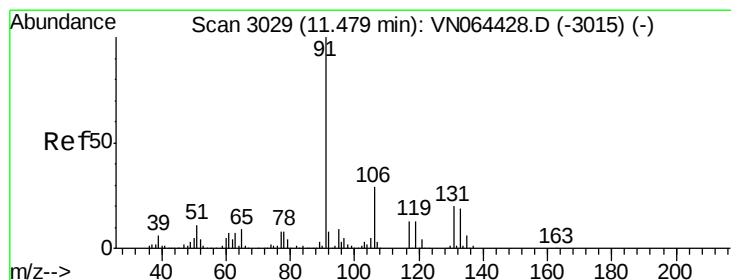
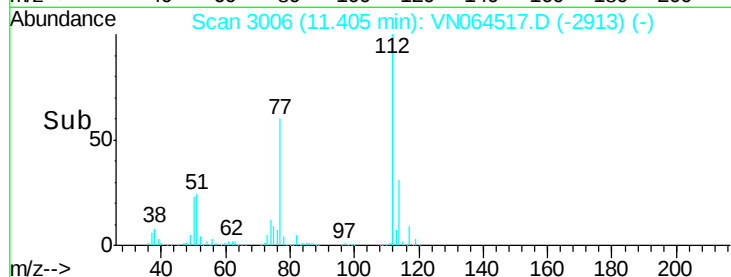
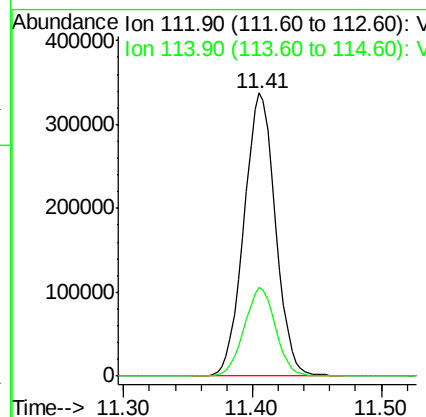
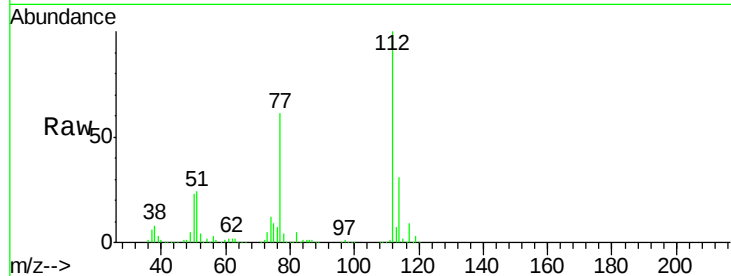
#65
Chlorobenzene
Concen: 49.396 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.6	38.4

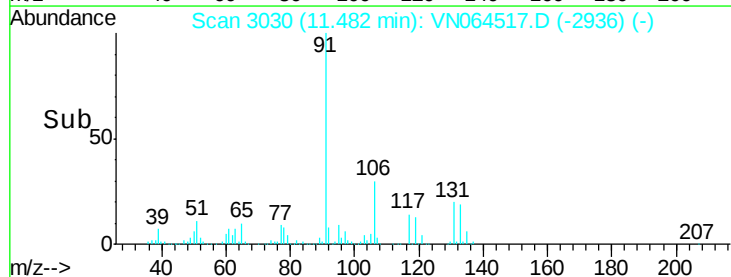
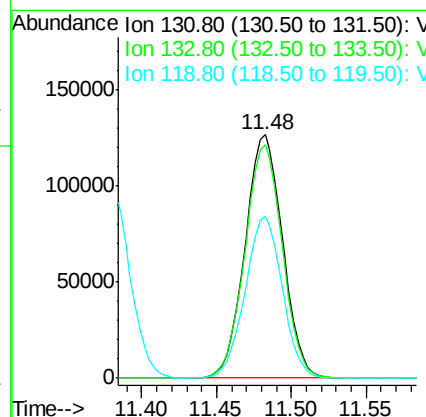
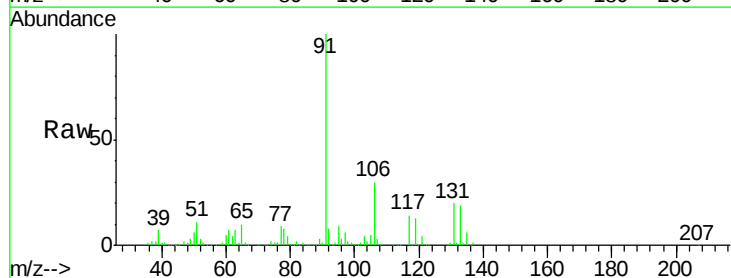
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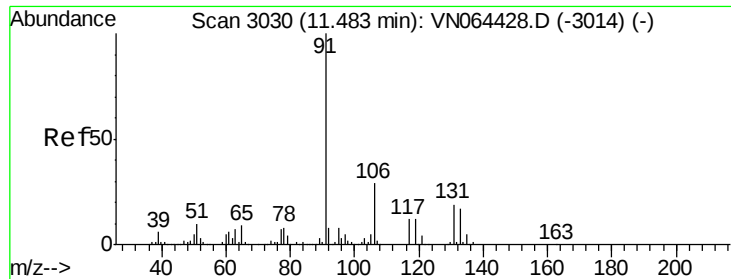
MMDadoda
11/11/2020 1:01:17 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.287 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	46.9	140.7
119	65.8	32.1	96.5





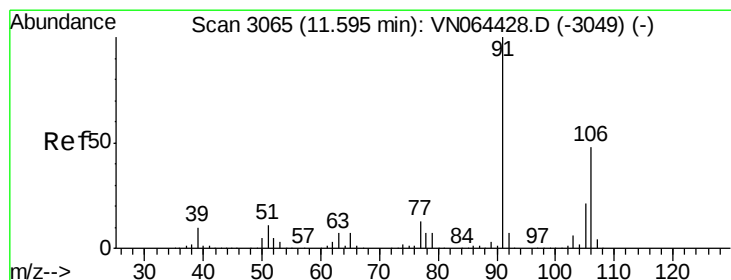
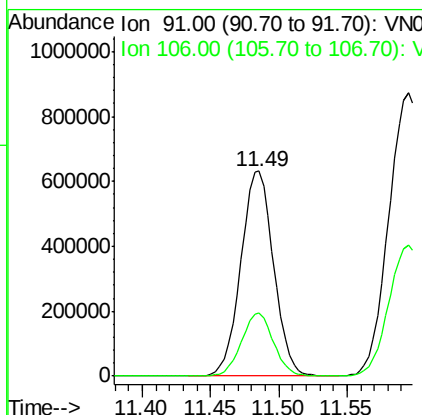
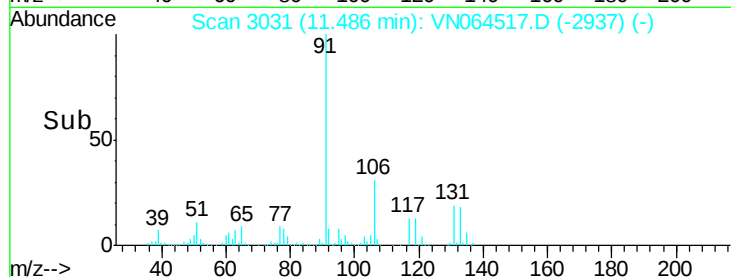
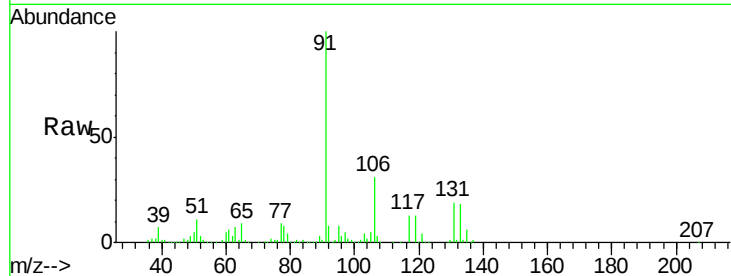
#67
Ethyl Benzene
Concen: 51.199 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1054590
Ion Ratio Lower Upper
91 100
106 30.5 23.6 35.4

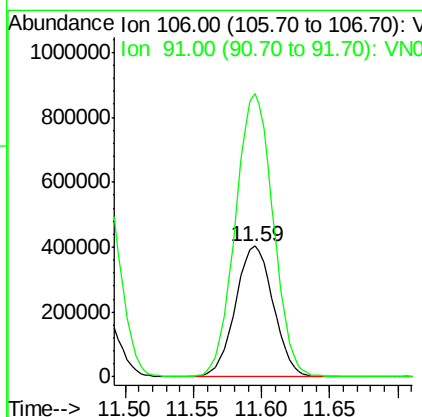
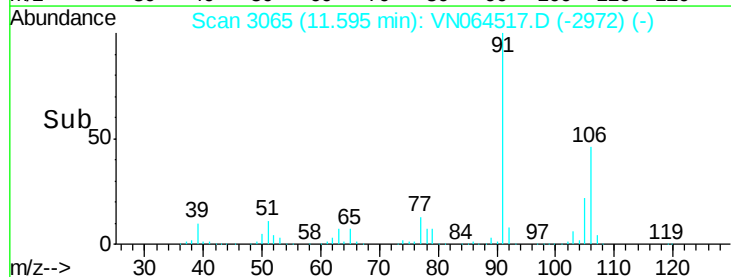
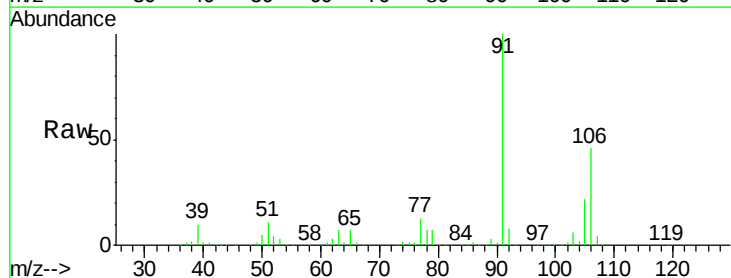
Manual Integrations
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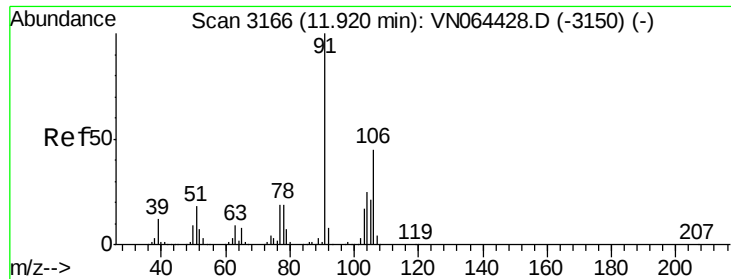
MMDadoda
11/11/2020 1:01:17 PM



#68
m/p-Xylenes
Concen: 103.959 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Tgt Ion: 106 Resp: 776578
Ion Ratio Lower Upper
106 100
91 216.2 169.4 254.2





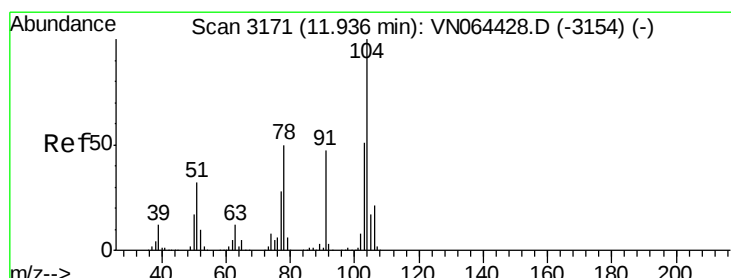
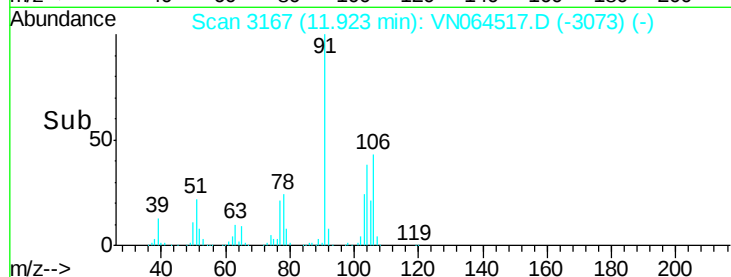
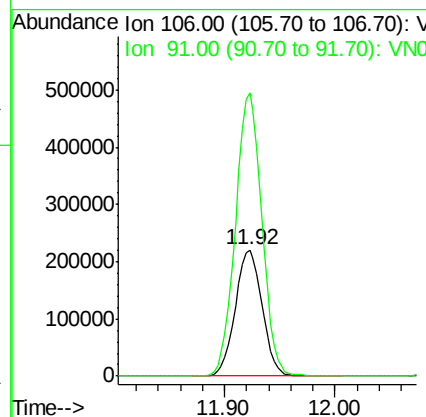
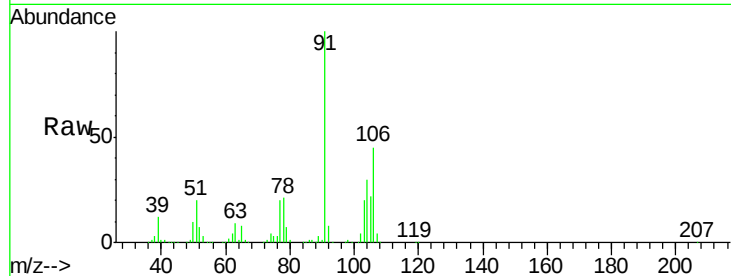
#69
o-Xylene
Concen: 51.395 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 370992
Ion Ratio Lower Upper
106 100
91 221.9 111.7 334.9

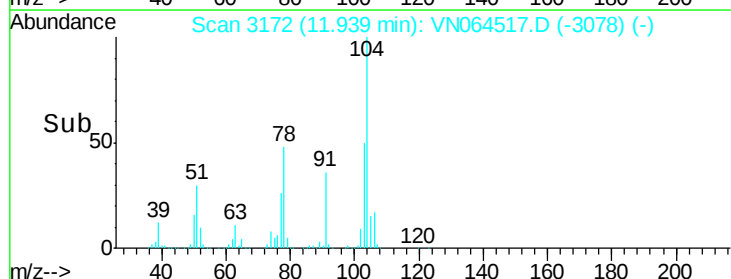
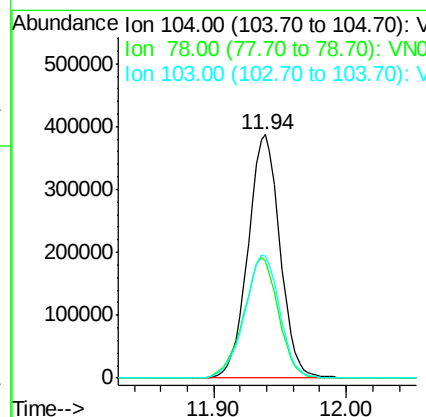
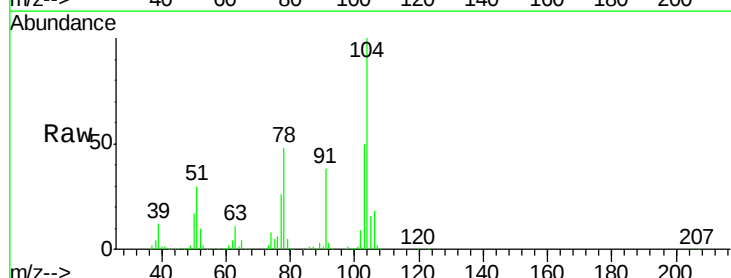
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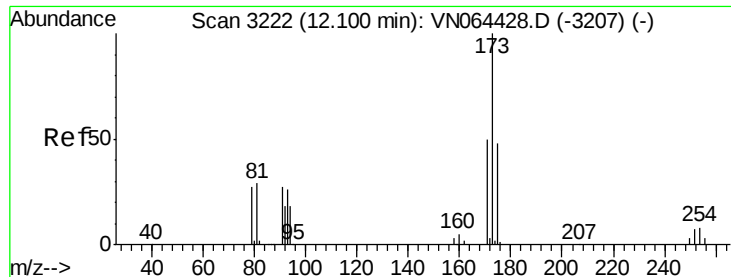
MMDadoda
11/11/2020 1:01:17 PM



#70
Styrene
Concen: 53.281 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Tgt Ion:104 Resp: 647188
Ion Ratio Lower Upper
104 100
78 54.0 44.0 66.0
103 55.7 43.8 65.6





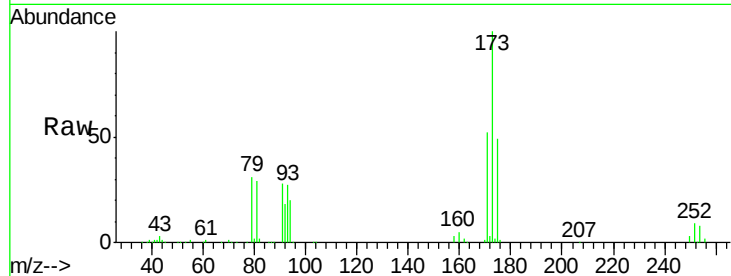
#71
Bromoform
Concen: 50.926 ug/l
RT: 12.10 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.7	71.1
254	0.0	0.0	0.0

Manual Integrations
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11/11/2020 1:01:17 PM

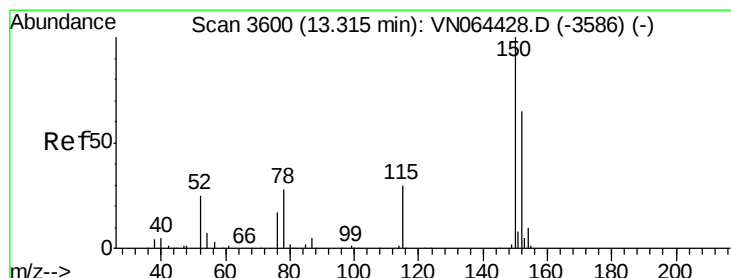
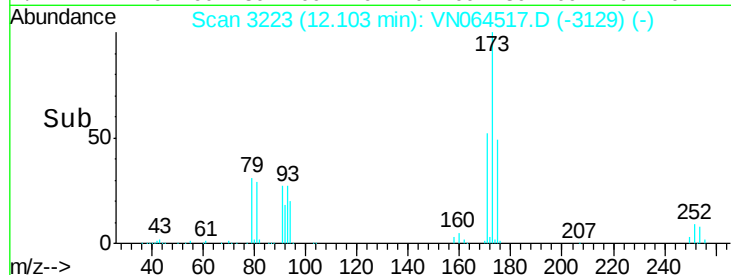
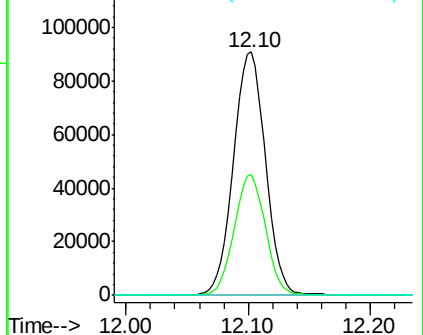


Abundance

Ion 172.70 (172.40 to 173.40): V

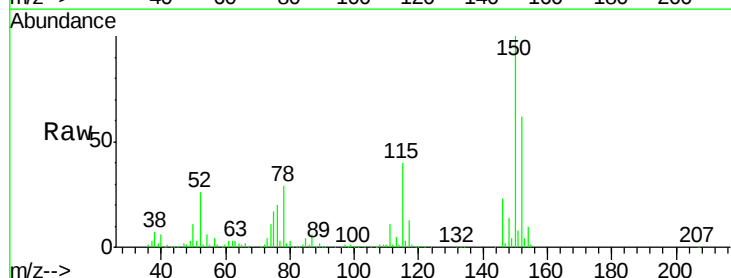
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.8	32.0	96.0
150	173.3	0.0	353.8

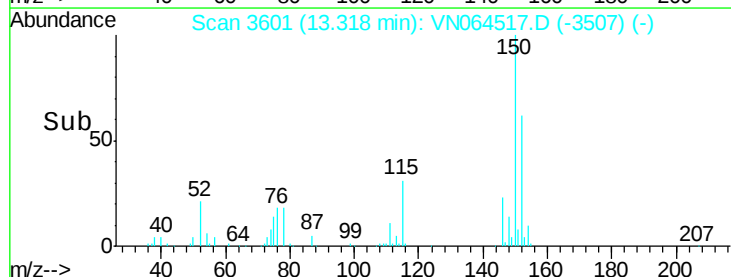
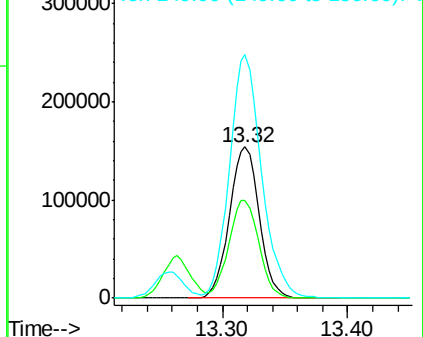


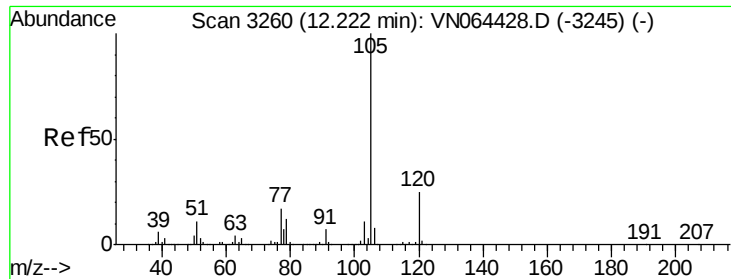
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.997 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 969609

Ion Ratio Lower Upper

105 100

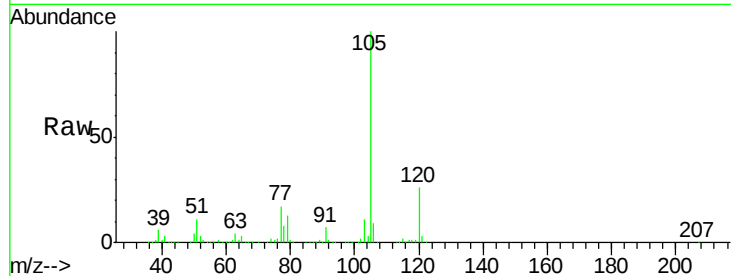
120 25.4 12.8 38.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.23

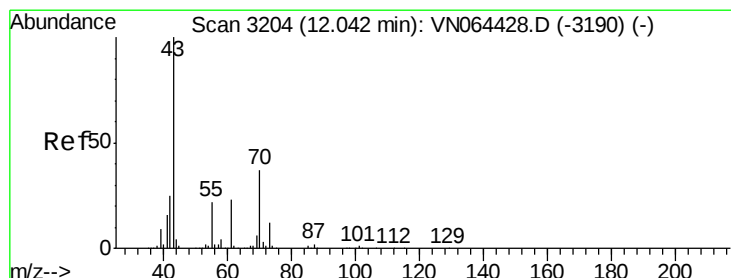
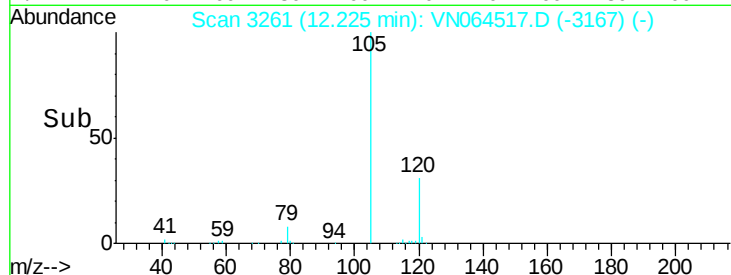
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 45.646 ug/l

RT: 12.04 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

Tgt Ion: 43 Resp: 446161

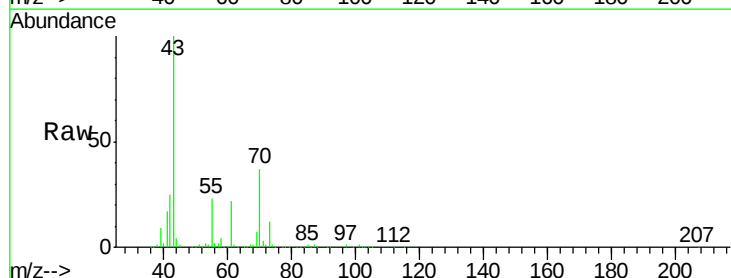
Ion Ratio Lower Upper

43 100

70 36.9 29.6 44.4

55 23.6 18.4 27.6

61 21.8 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.04

400000

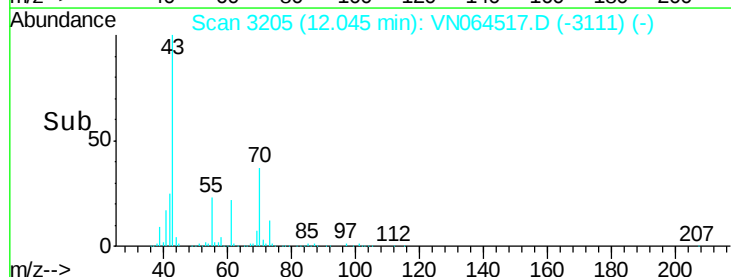
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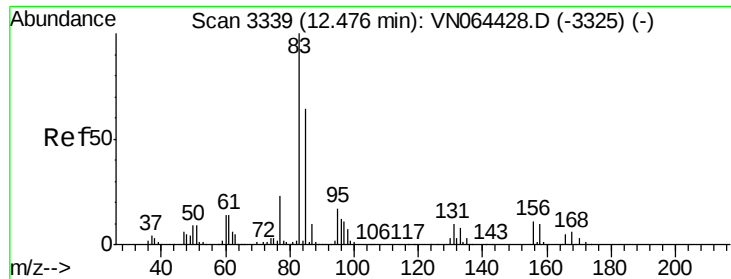
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.176 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 311337

Ion Ratio Lower Upper

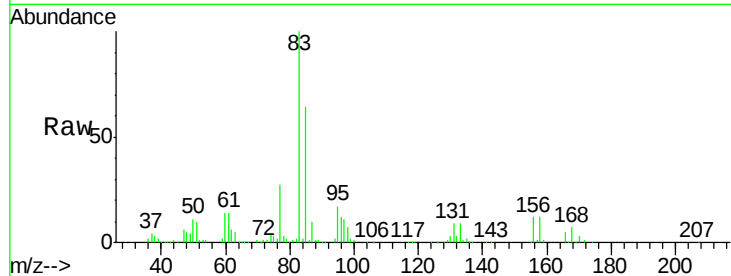
83 100

131 9.8 4.9 14.7

85 63.6 32.1 96.5

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Abundance Ion 82.90 (82.60 to 83.60): VN064428.D (-3325) (-)

Ion 130.80 (130.50 to 131.50): VN064428.D (-3325) (-)

Ion 84.90 (84.60 to 85.60): VN064428.D (-3325) (-)

12.48

200000

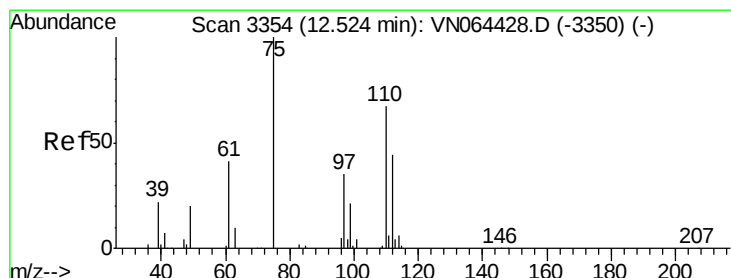
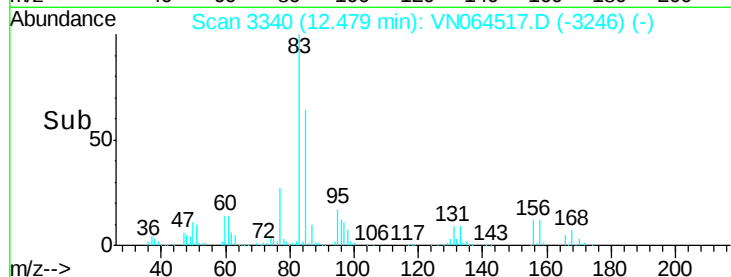
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 48.790 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064517.D

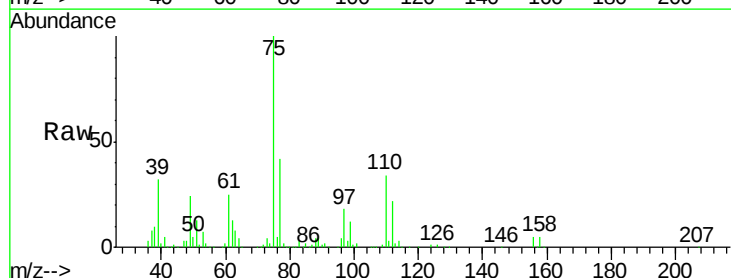
Acq: 10 Nov 2020 11:05

Tgt Ion: 75 Resp: 300450

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064428.D (-3350) (-)

Ion 77.00 (76.70 to 77.70): VN064428.D (-3350) (-)

12.53

300000

250000

200000

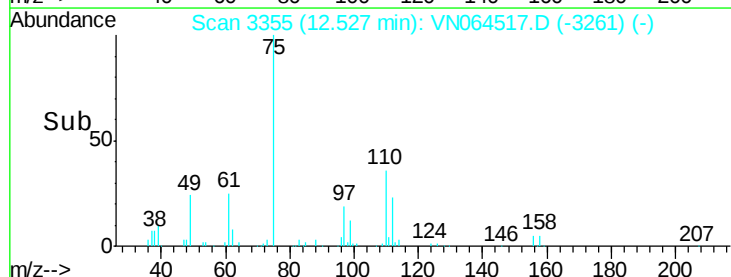
150000

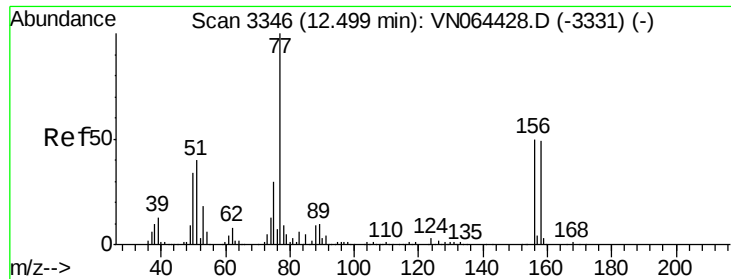
100000

50000

0

Time-->





#77

Bromobenzene

Concen: 47.549 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

Instrument :

MSVOA_N

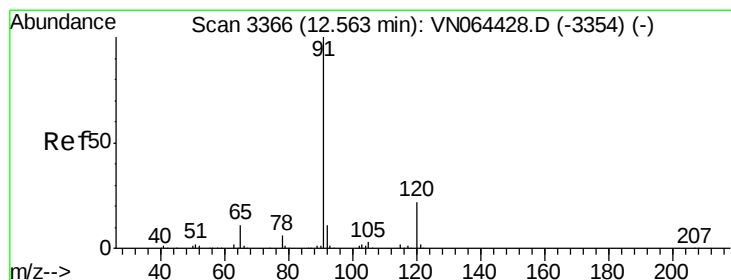
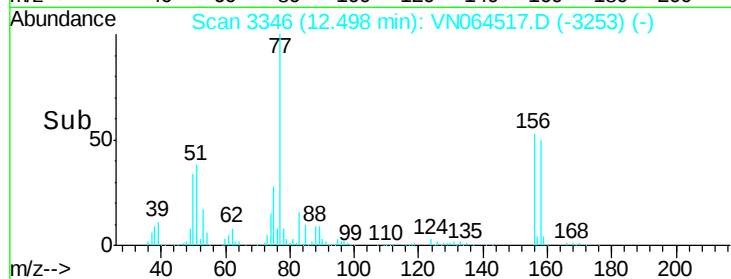
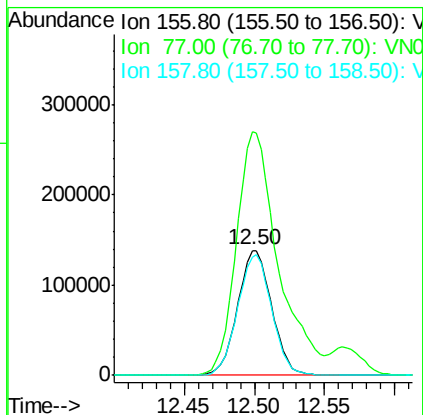
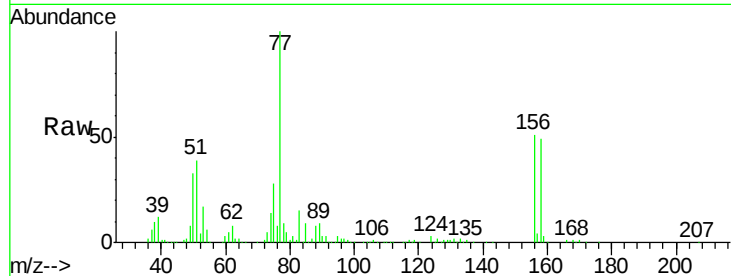
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	239.7		119.0	357.0	
158	96.7		48.4	145.3	

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#78

n-propylbenzene

Concen: 50.620 ug/l

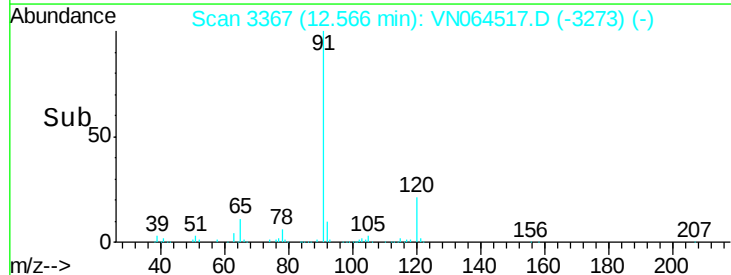
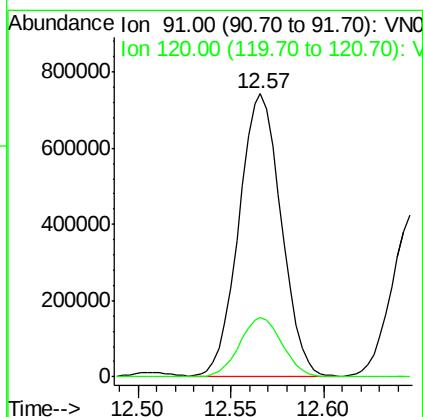
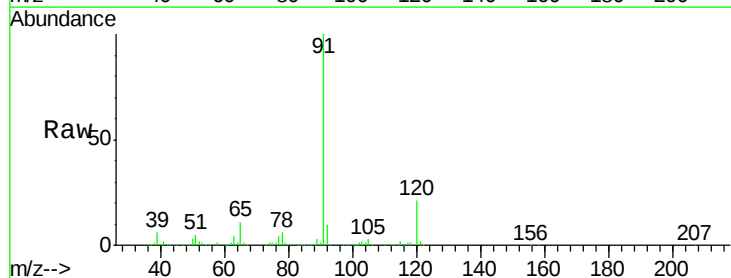
RT: 12.57 min Scan# 3367

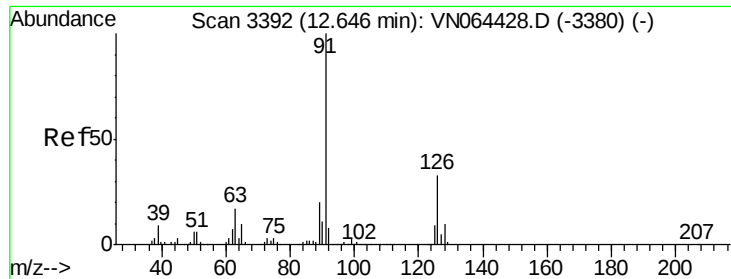
Delta R.T. 0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	21.1		11.0	33.0	





#79

2-Chlorotoluene

Concen: 49.067 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 716735

Ion Ratio Lower Upper

91 100

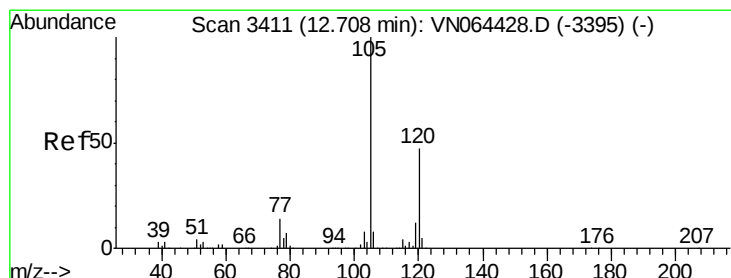
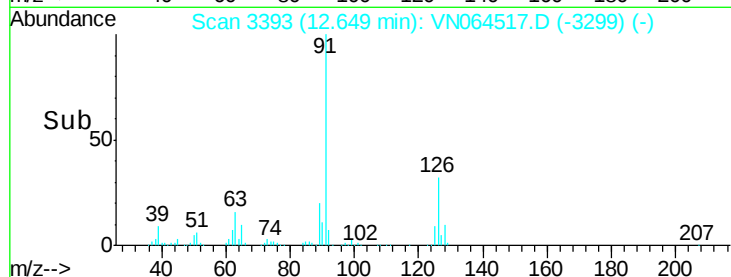
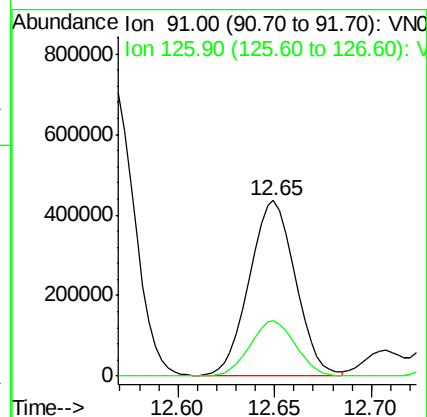
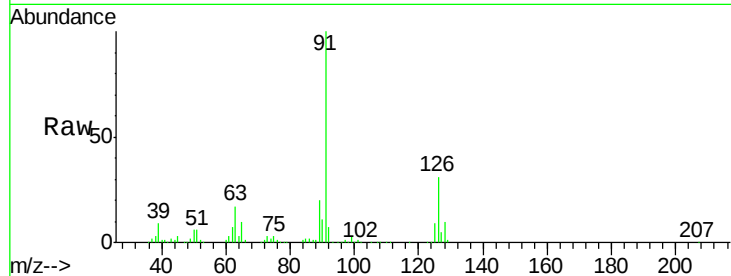
126 31.7 16.4 49.1

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#80

1,3,5-Trimethylbenzene

Concen: 50.459 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064517.D

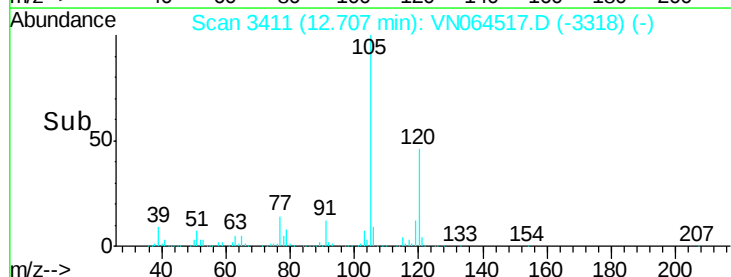
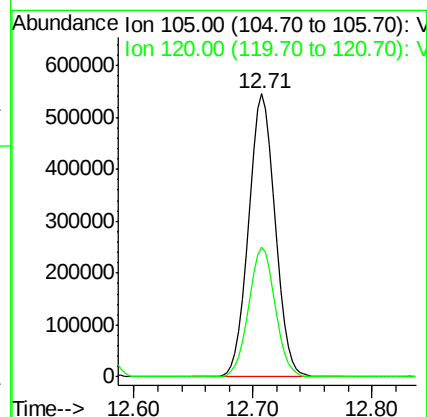
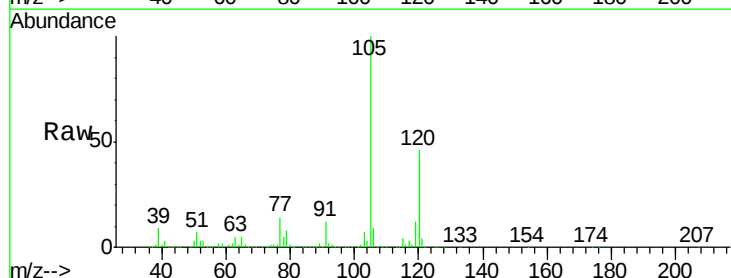
Acq: 10 Nov 2020 11:05

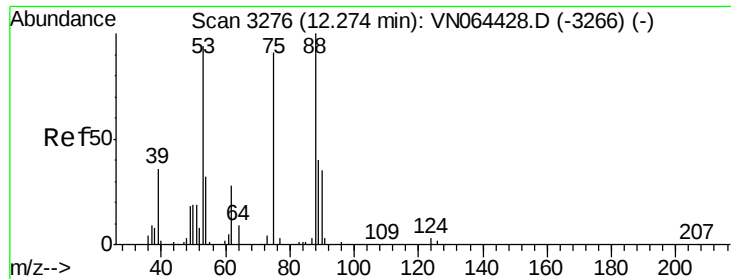
Tgt Ion: 105 Resp: 840932

Ion Ratio Lower Upper

105 100

120 46.0 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 51.138 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

Instrument :

MSVOA_N

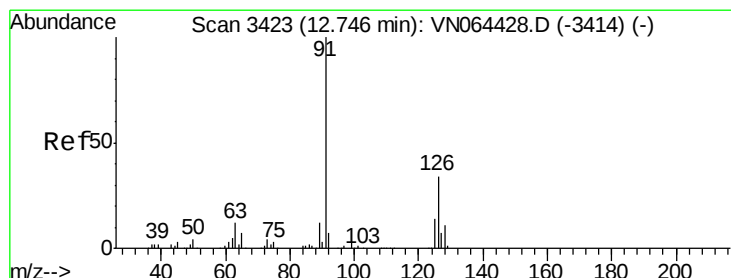
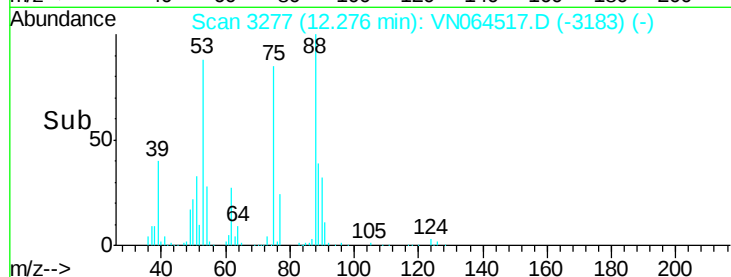
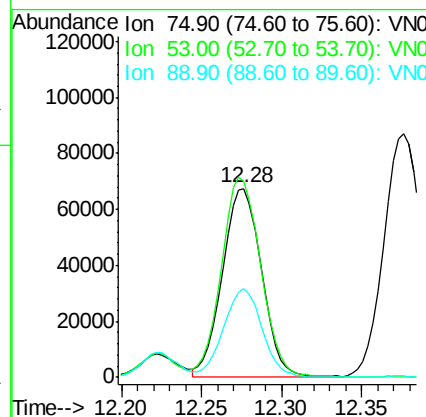
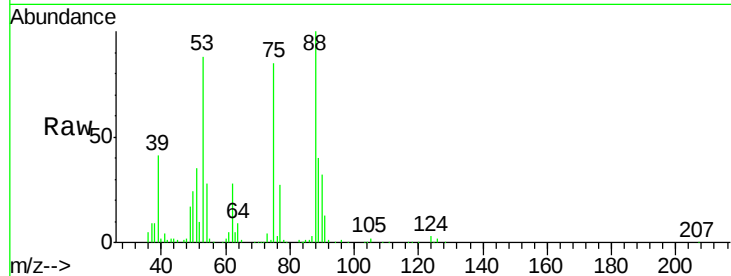
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	112786
Ion Ratio	Lower	Upper	
75	100		
53	106.8	84.0	126.0
89	45.7	36.3	54.5

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#82

4-Chlorotoluene

Concen: 49.903 ug/l

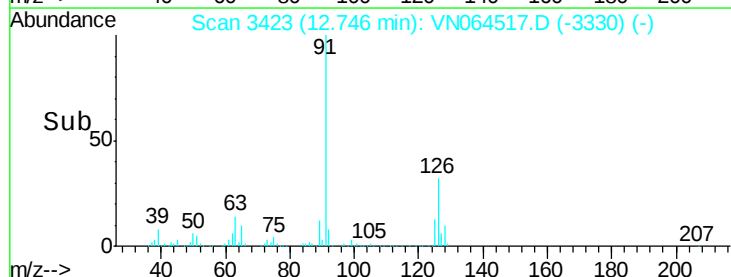
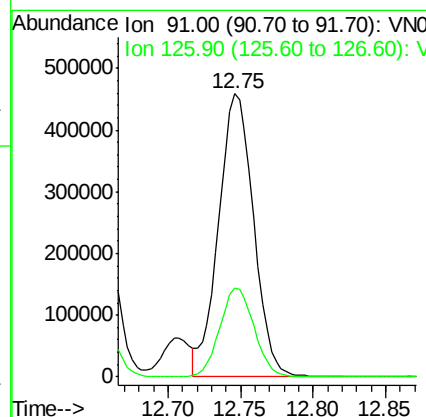
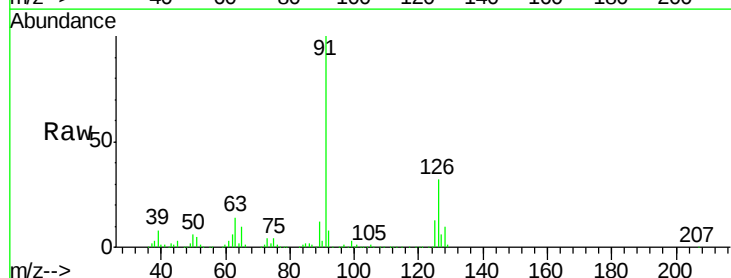
RT: 12.75 min Scan# 3423

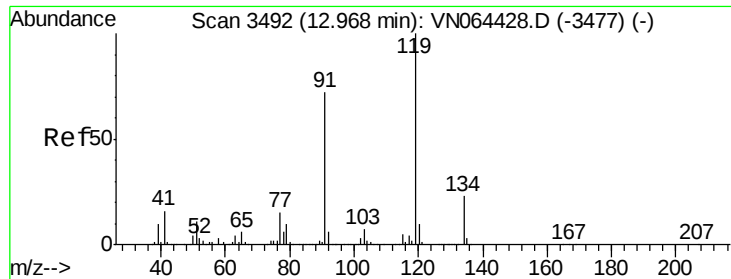
Delta R.T. -0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

Tgt Ion:	91	Resp:	763401
Ion Ratio	Lower	Upper	
91	100		
126	30.8	15.4	46.2





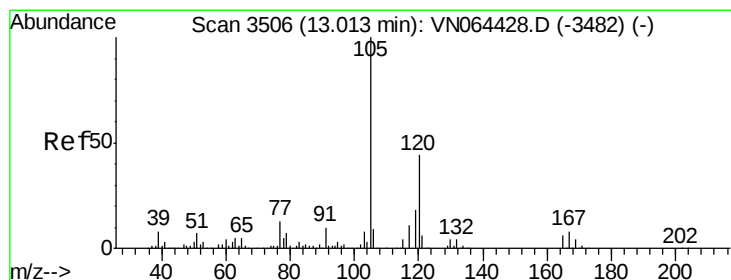
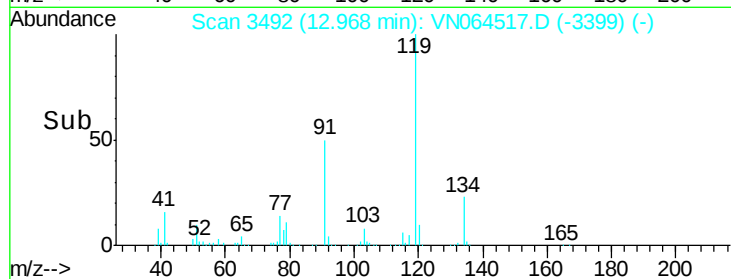
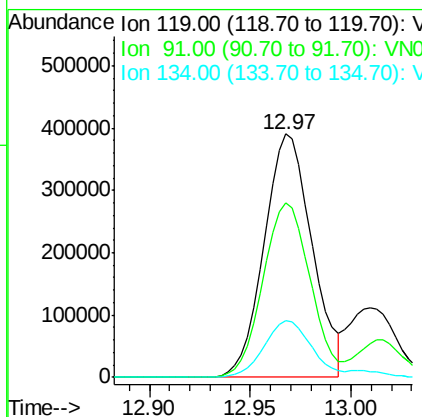
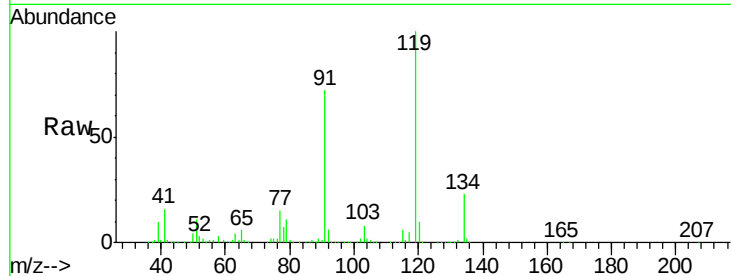
#83
 tert-Butylbenzene
 Concen: 49.546 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064517.D
 Acq: 10 Nov 2020 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.0	36.1	108.3
134	22.9	11.7	35.1

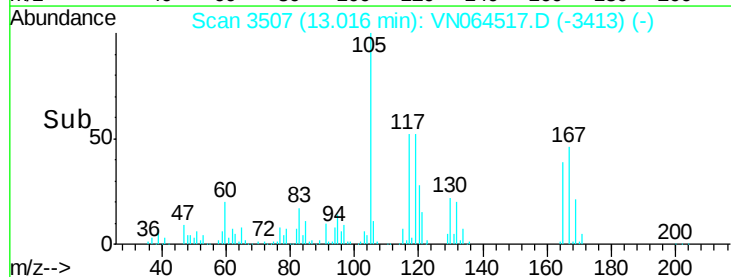
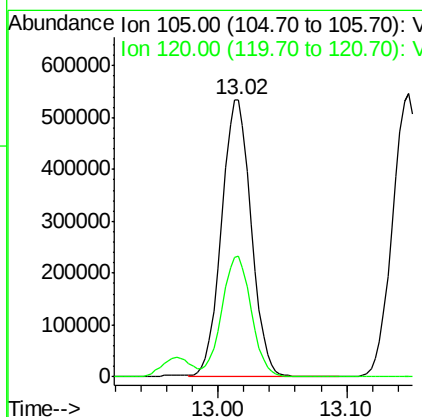
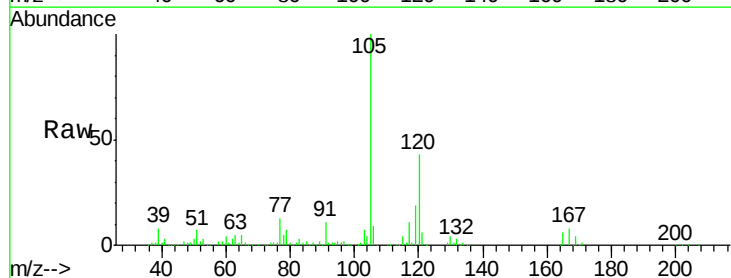
Manual Integrations
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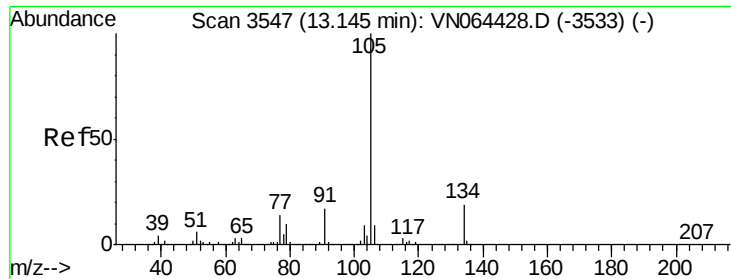
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 11/11/2020 1:01:17 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.759 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN064517.D
 Acq: 10 Nov 2020 11:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.9	65.7





#85

sec-Butylbenzene

Concen: 52.260 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 861486

Ion Ratio Lower Upper

105 100

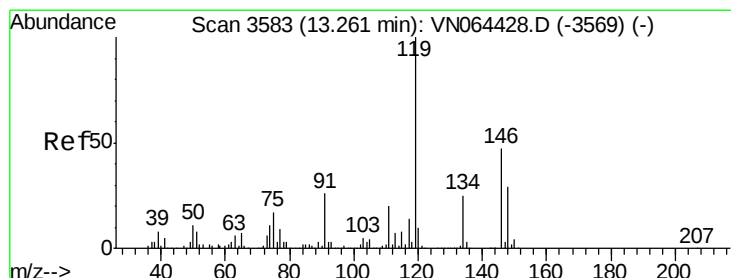
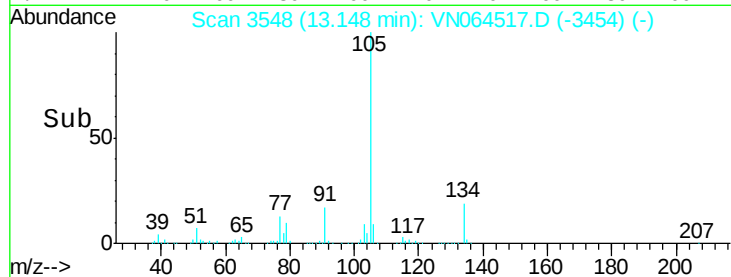
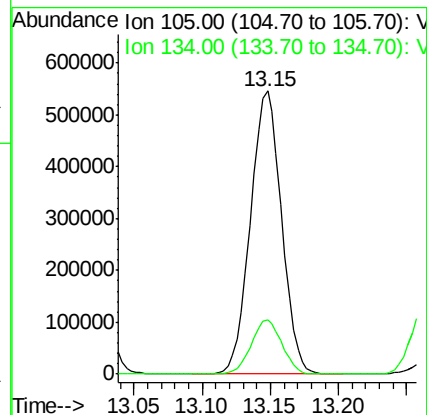
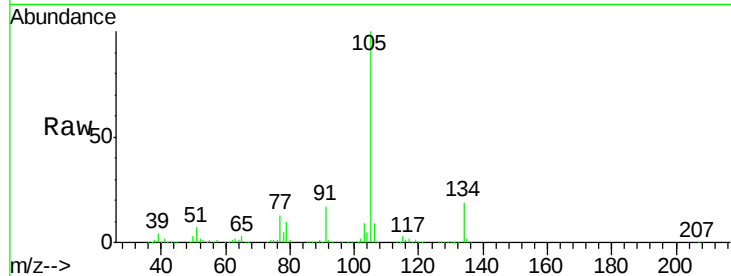
134 19.1 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 52.376 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

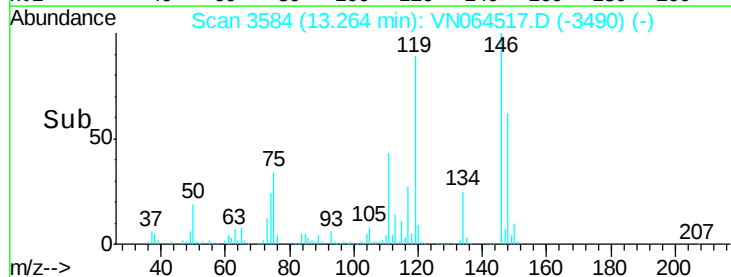
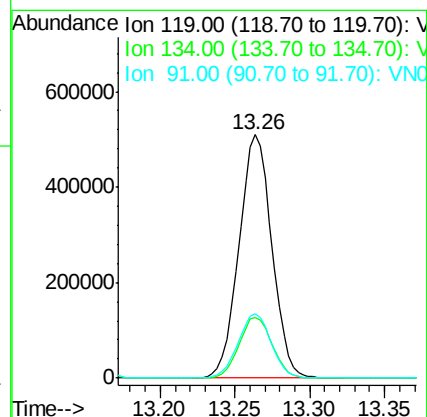
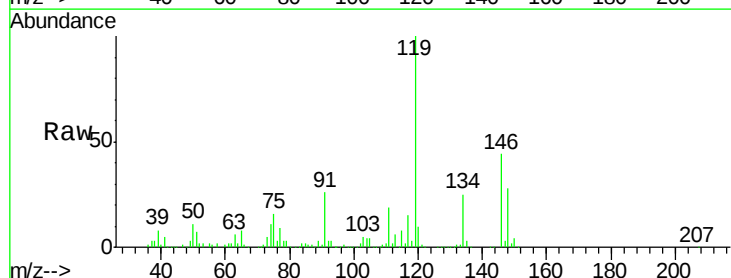
Tgt Ion:119 Resp: 776604

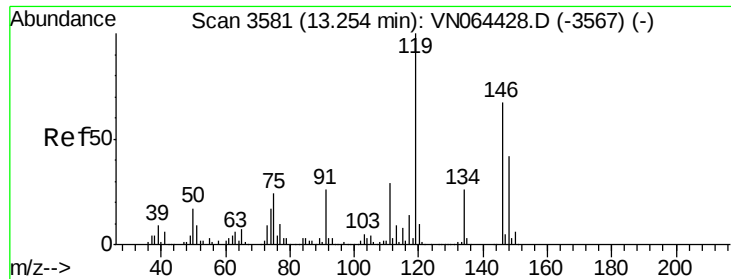
Ion Ratio Lower Upper

119 100

134 25.3 12.6 37.6

91 26.6 12.8 38.3





#87

1,3-Dichlorobenzene

Concen: 50.394 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN064517.D

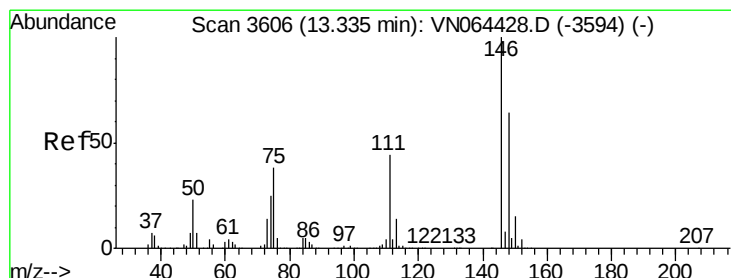
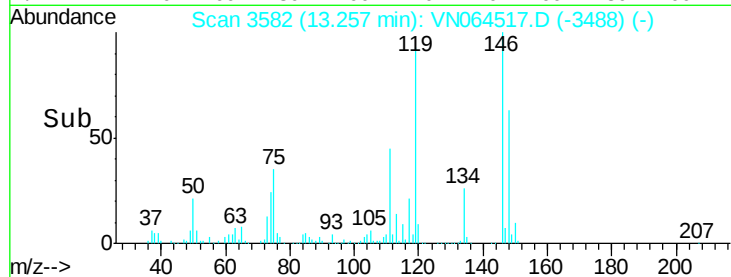
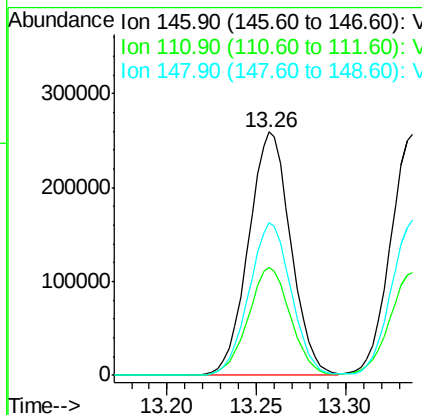
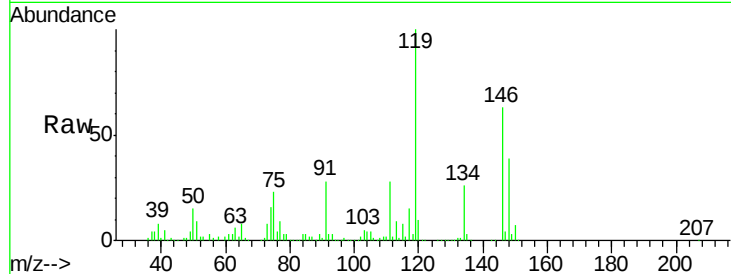
Acq: 10 Nov 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	429646		
111	44.2	22.1	66.1	
148	62.5	31.7	95.1	

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#88

1,4-Dichlorobenzene

Concen: 49.371 ug/l

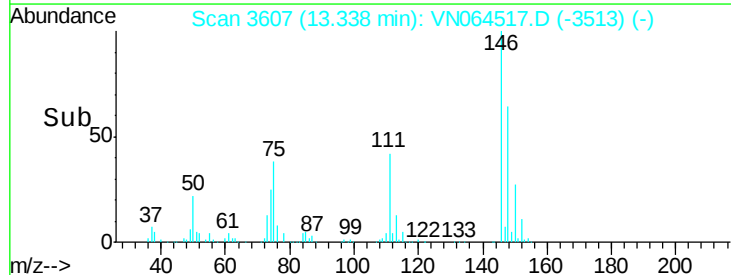
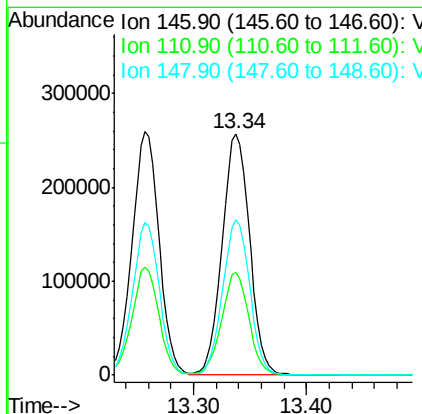
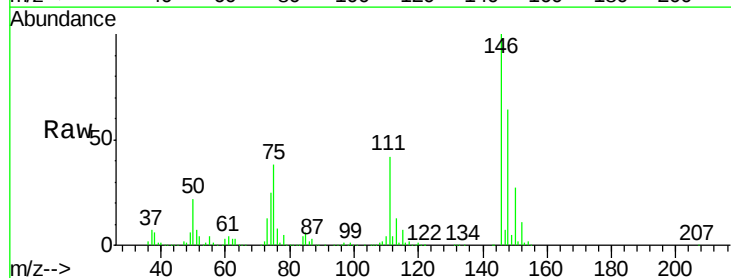
RT: 13.34 min Scan# 3607

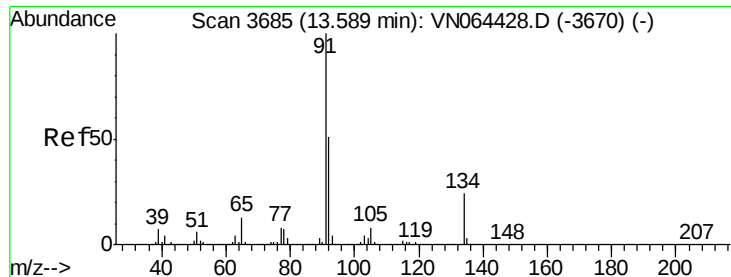
Delta R.T. 0.00 min

Lab File: VN064517.D

Acq: 10 Nov 2020 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	434992		
111	41.8	21.8	65.3	
148	63.1	32.4	97.2	





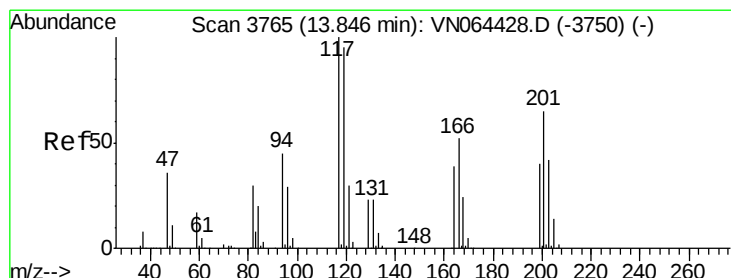
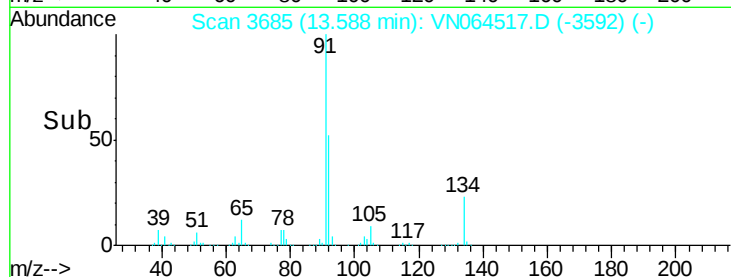
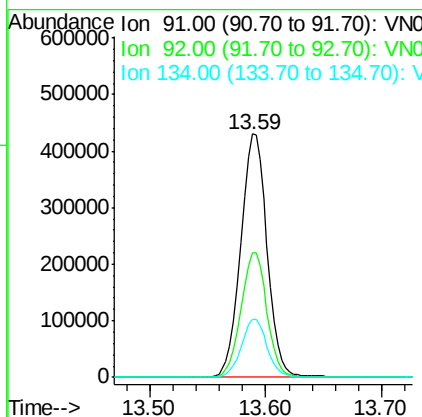
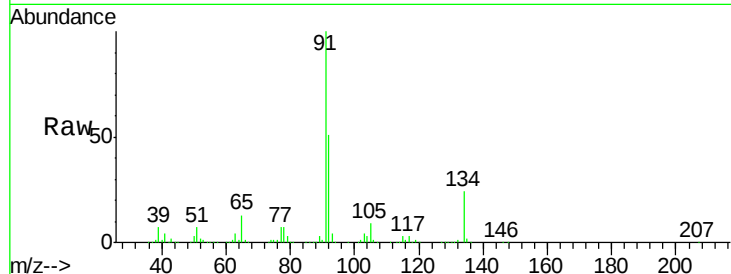
#89
n-Butylbenzene
Concen: 53.081 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.3	75.9
134	23.3	11.8	35.4

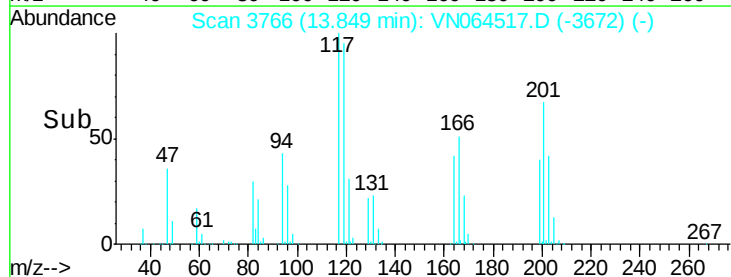
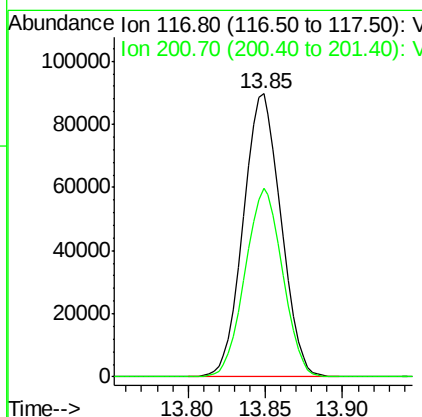
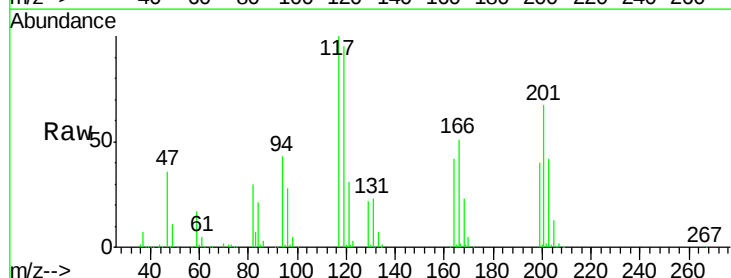
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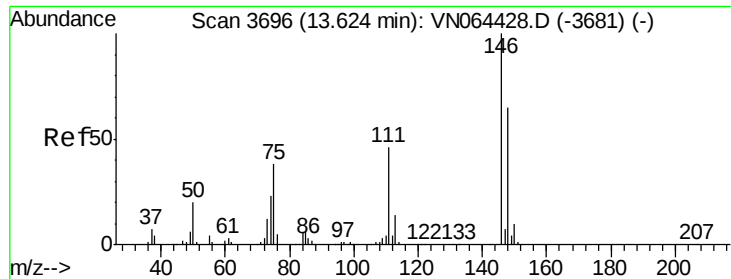
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#90
Hexachloroethane
Concen: 53.156 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.2	32.5	97.5





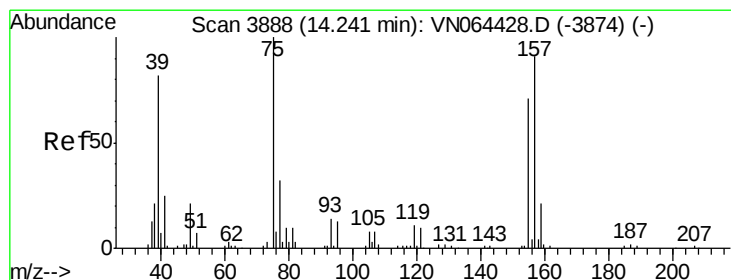
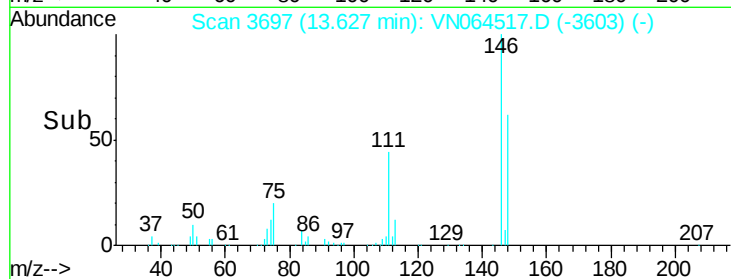
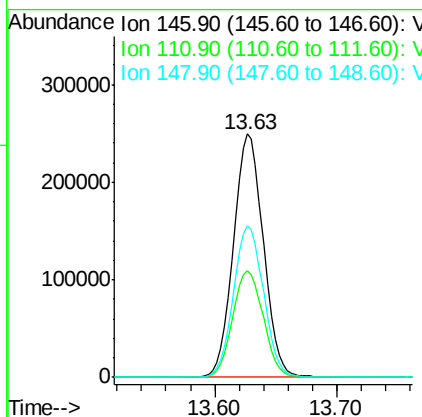
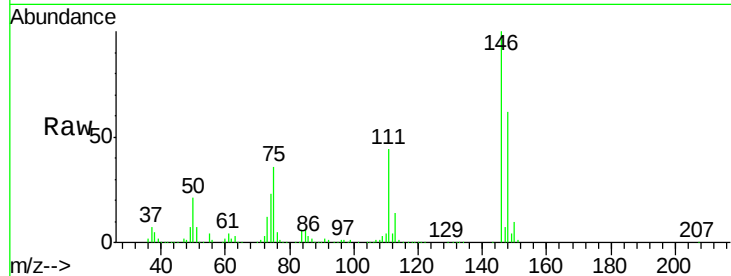
#91
 1,2-Dichlorobenzene
 Concen: 51.828 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064517.D
 Acq: 10 Nov 2020 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.9	68.7
148	62.7	32.0	96.2

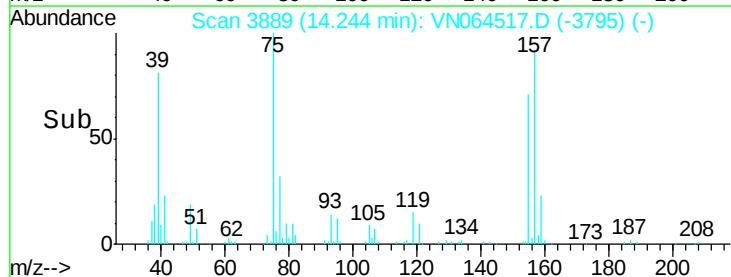
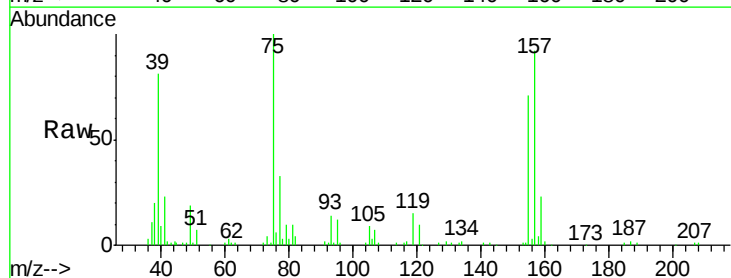
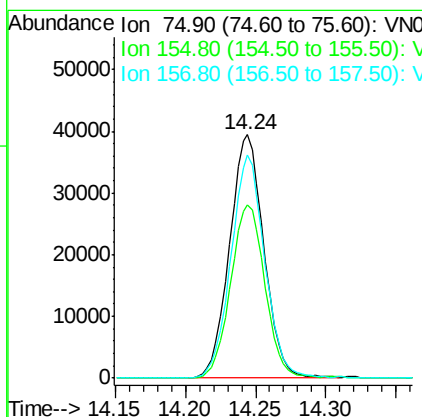
Manual Integrations
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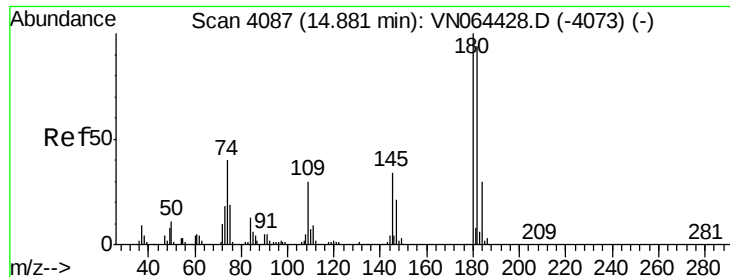
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 11/11/2020 1:01:17 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.343 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064517.D
 Acq: 10 Nov 2020 11:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.2	34.6	103.9
157	90.5	43.0	128.8





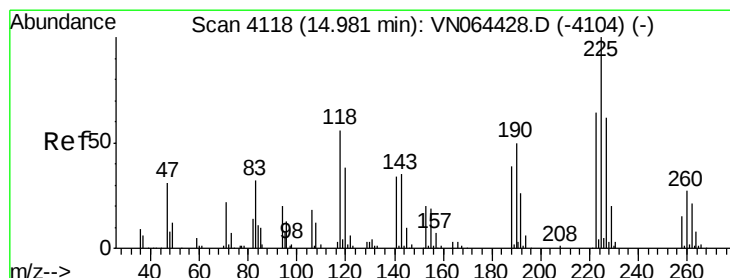
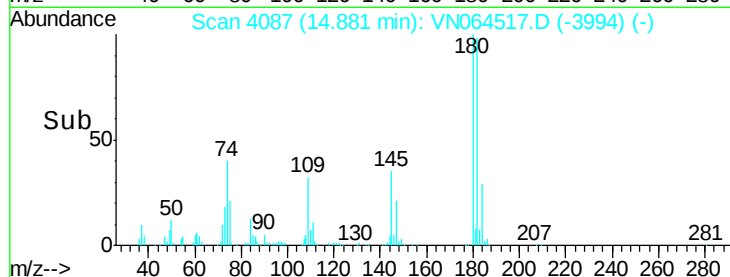
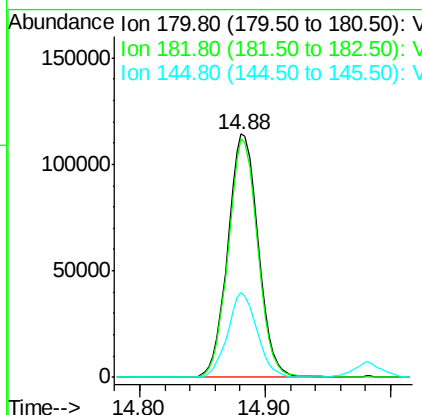
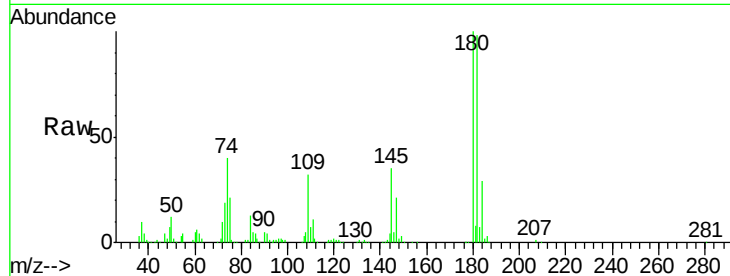
#93
 1,2,4-Trichlorobenzene
 Concen: 47.297 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064517.D
 Acq: 10 Nov 2020 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	192276		
182	95.1	47.3	142.0	
145	33.9	16.7	50.1	

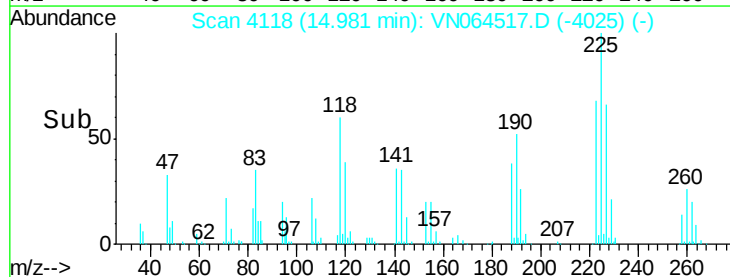
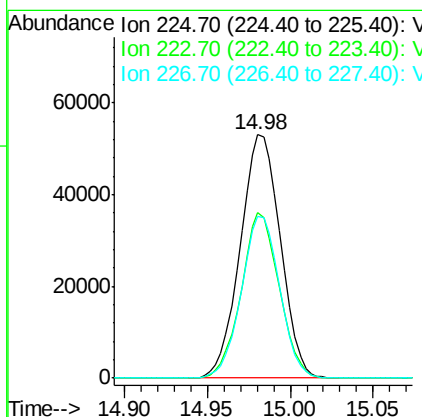
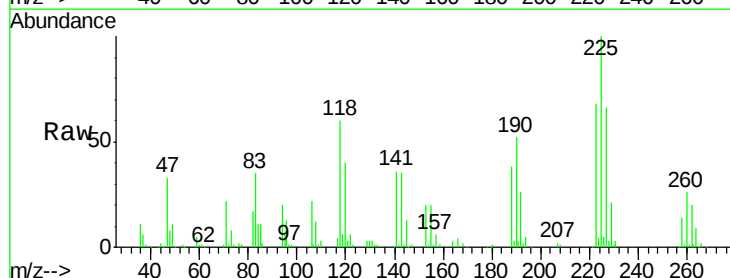
Manual Integrations
 APPROVED

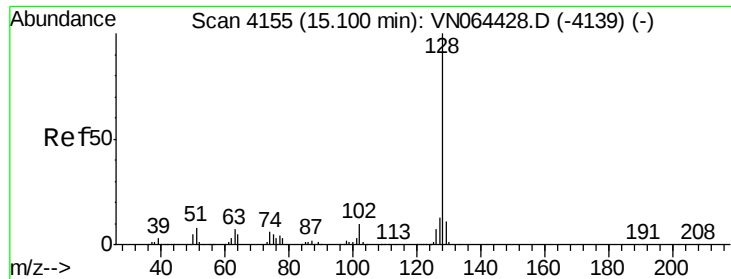
MMDadoda
 11/11/2020 1:01:17 PM



#94
 Hexachlorobutadiene
 Concen: 53.555 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064517.D
 Acq: 10 Nov 2020 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	89422		
223	64.3	31.8	95.4	
227	63.4	31.8	95.4	





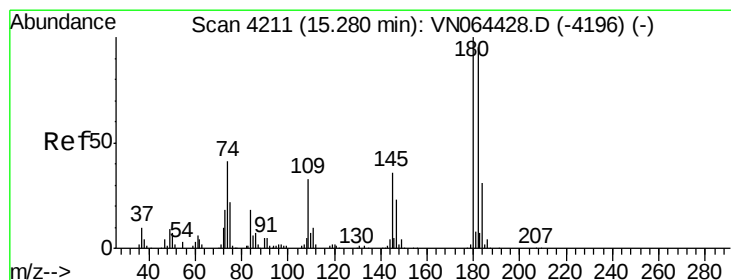
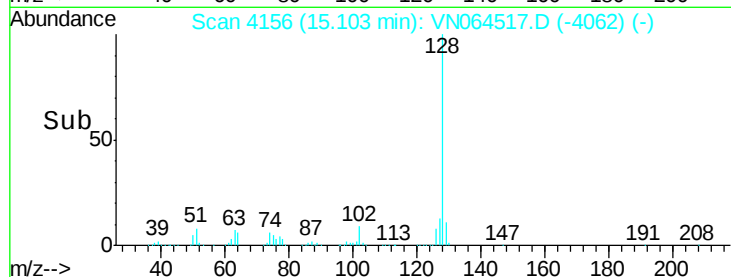
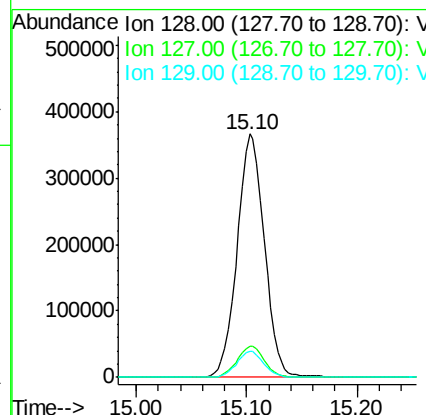
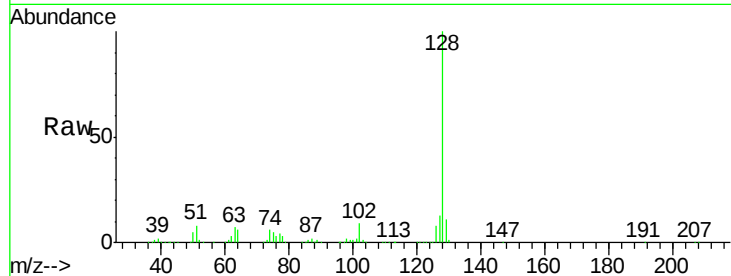
#95
Naphthalene
Concen: 45.361 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
11/11/2020 1:01:17 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.177 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064517.D
Acq: 10 Nov 2020 11:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.7	143.1
145	35.7	18.3	54.8

