

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062620\
 Data File : VN062128.D
 Acq On : 26 Jun 2020 9:51
 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
 6/29/2020 12:35:26 PM

Quant Time: Jun 27 03:59:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	267655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	448102	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	416913	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	205657	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	167906	44.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.40%	
35) Dibromofluoromethane	7.54	113	141976	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	10.06	98	550017	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
62) 4-Bromofluorobenzene	12.37	95	189317	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	128820	42.580	ug/l	100
3) Chloromethane	2.03	50	157937	44.187	ug/l	99
4) Vinyl Chloride	2.16	62	194626	40.850	ug/l	100
5) Bromomethane	2.52	94	133911	43.489	ug/l	97
6) Chloroethane	2.66	64	135097	41.510	ug/l	98
7) Trichlorofluoromethane	2.98	101	255982	43.604	ug/l	99
8) Diethyl Ether	3.37	74	94724	46.208	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.71	101	133973	43.579	ug/l	96
10) Methyl Iodide	3.91	142	166957	48.222	ug/l	100
11) Tert butyl alcohol	4.73	59	117004	216.958	ug/l	99
12) 1,1-Dichloroethene	3.69	96	132556	43.131	ug/l	98
13) Acrolein	3.56	56	121639	230.377	ug/l	99
14) Allyl chloride	4.27	41	183126	43.765	ug/l	99
15) Acrylonitrile	4.92	53	313540	213.352	ug/l	99
16) Acetone	3.77	43	276358	234.146	ug/l	100
17) Carbon Disulfide	4.00	76	363788	41.335	ug/l	99
18) Methyl Acetate	4.27	43	123959	41.515	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	462399	47.085	ug/l	99
20) Methylene Chloride	4.49	84	159133	46.134	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	147580	42.152	ug/l	96
22) Diisopropyl ether	5.90	45	412976	43.347	ug/l	98
23) Vinyl Acetate	5.84	43	1748686	224.812	ug/l	99
24) 1,1-Dichloroethane	5.79	63	258065	42.064	ug/l	99
25) 2-Butanone	6.78	43	385475	209.961	ug/l	97
26) 2,2-Dichloropropane	6.77	77	226148	44.235	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	171792	43.606	ug/l	97
28) Bromochloromethane	7.15	49	110521	41.520	ug/l	94
29) Tetrahydrofuran	7.16	42	250648	208.418	ug/l	98
30) Chloroform	7.32	83	269222	43.131	ug/l	99
31) Cyclohexane	7.61	56	215431	41.514	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	233224	44.306	ug/l	98
36) 1,1-Dichloropropene	7.75	75	199215	44.230	ug/l	99
37) Ethyl Acetate	6.87	43	161702	43.356	ug/l	99
38) Carbon Tetrachloride	7.73	117	195787	46.107	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	230120	46.630	ug/l	98
40) Benzene	8.00	78	616170	44.883	ug/l	96
41) Methacrylonitrile	7.13	41	74389m	43.022	ug/l	
42) 1,2-Dichloroethane	8.08	62	208401	44.931	ug/l	99
43) Isopropyl Acetate	8.12	43	279532	45.976	ug/l #	89
44) Trichloroethene	8.80	130	157896	45.595	ug/l	97
45) 1,2-Dichloropropane	9.08	63	153378	45.286	ug/l	100
46) Dibromomethane	9.17	93	108045	47.052	ug/l	97
47) Bromodichloromethane	9.37	83	216018	46.590	ug/l	97
48) Methyl methacrylate	9.17	41	125076	45.881	ug/l	97
49) 1,4-Dioxane	9.16	88	57937	958.368	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	821098	231.150	ug/l	100
52) Toluene	10.12	92	396643	47.353	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	247661	48.551	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	269557	49.635	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	157281	47.767	ug/l	99
56) Ethyl methacrylate	10.40	69	222677	50.675	ug/l	98
57) 1,3-Dichloropropane	10.68	76	267526	47.204	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	438996	235.639	ug/l	98
59) 2-Hexanone	10.72	43	592519	230.996	ug/l	97
60) Dibromochloromethane	10.87	129	175621	50.379	ug/l	98
61) 1,2-Dibromoethane	10.98	107	163118	48.213	ug/l	99
64) Tetrachloroethene	10.60	164	135817	47.690	ug/l	96
65) Chlorobenzene	11.40	112	426454	46.579	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	154631	48.843	ug/l	99
67) Ethyl Benzene	11.48	91	755165	48.839	ug/l	99
68) m/p-Xylenes	11.59	106	591546	98.910	ug/l	99
69) o-Xylene	11.92	106	285373	50.573	ug/l	98
70) Styrene	11.94	104	478095	50.803	ug/l	100
71) Bromoform	12.10	173	115749	51.423	ug/l #	98
73) Isopropylbenzene	12.22	105	741965	46.607	ug/l	100
74) N-amyl acetate	12.04	43	251923	43.458	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	221738	41.856	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	194644m	40.205	ug/l	
77) Bromobenzene	12.50	156	181293	45.870	ug/l	96
78) n-propylbenzene	12.56	91	849415	46.647	ug/l	99
79) 2-Chlorotoluene	12.65	91	496167	45.071	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	617353	47.838	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	74526	44.955	ug/l	99
82) 4-Chlorotoluene	12.75	91	518643	45.559	ug/l	99
83) tert-Butylbenzene	12.97	119	518006	46.902	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	613866	47.627	ug/l	99
85) sec-Butylbenzene	13.15	105	697946	47.825	ug/l	99
86) p-Isopropyltoluene	13.26	119	637320	49.846	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	326885	47.100	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	329667	46.081	ug/l	99
89) n-Butylbenzene	13.59	91	522004	49.107	ug/l	99
90) Hexachloroethane	13.85	117	113133	45.099	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	314500	46.731	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	37495	44.182	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	152758	51.958	ug/l	100
94) Hexachlorobutadiene	14.98	225	61503	48.165	ug/l	99
95) Naphthalene	15.10	128	435016	44.827	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	152743	50.809	ug/l	99

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

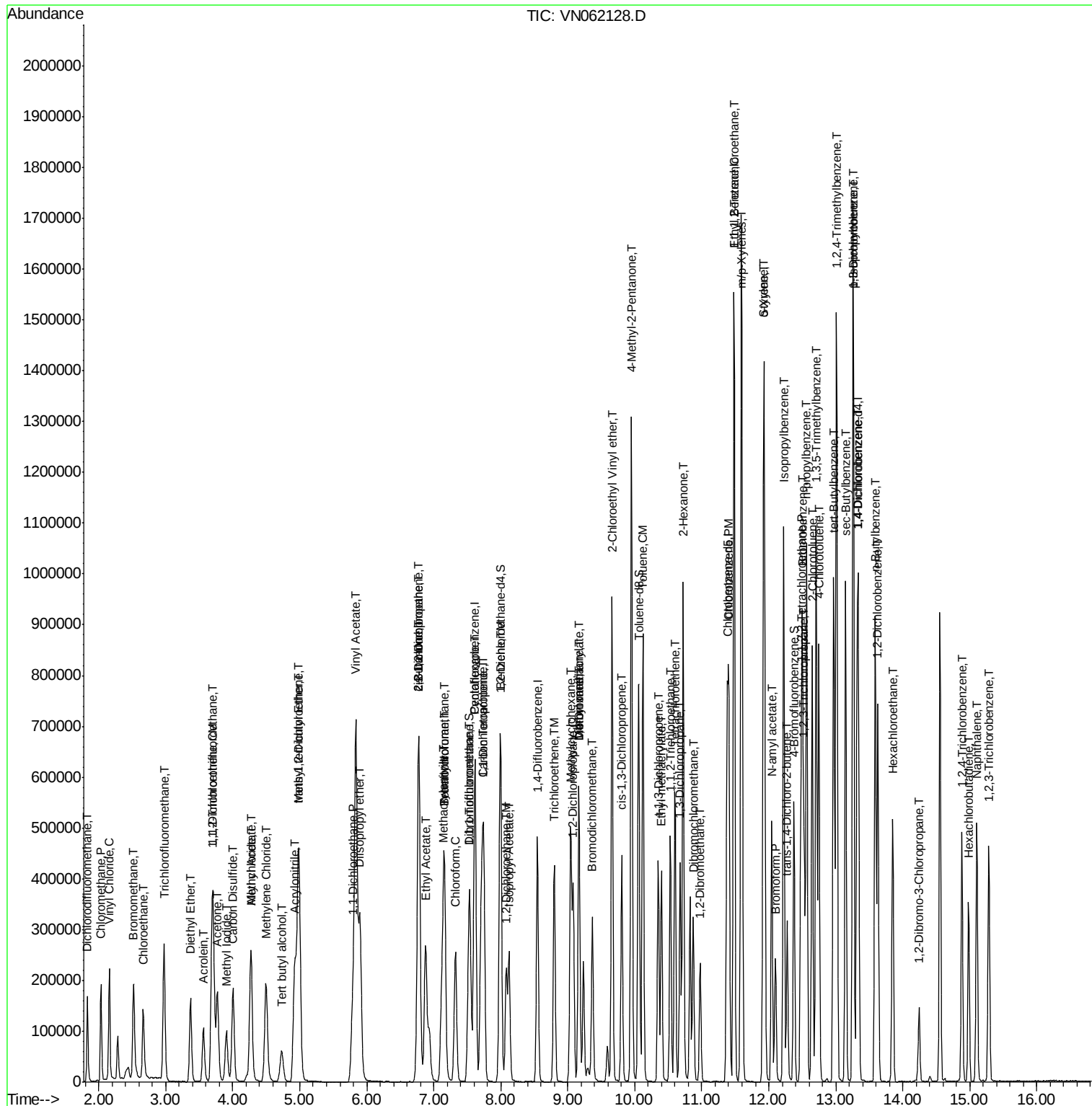
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062128.D

Acq: 26 Jun 2020 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 267655

Ion Ratio Lower Upper

168 100

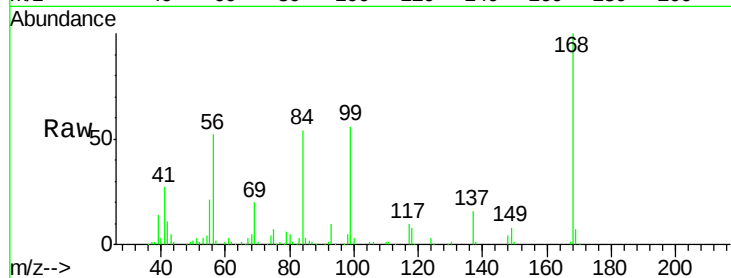
99 55.4 45.8 68.8

Manual Integrations

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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

120000

100000

80000

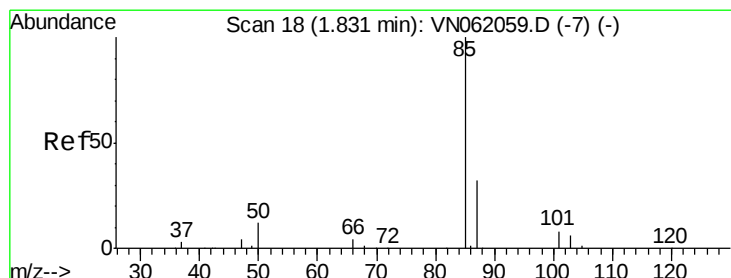
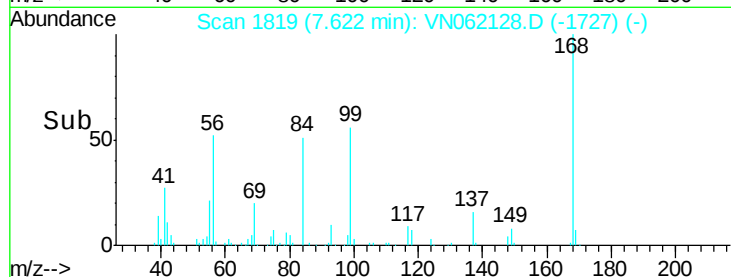
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.580 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062128.D

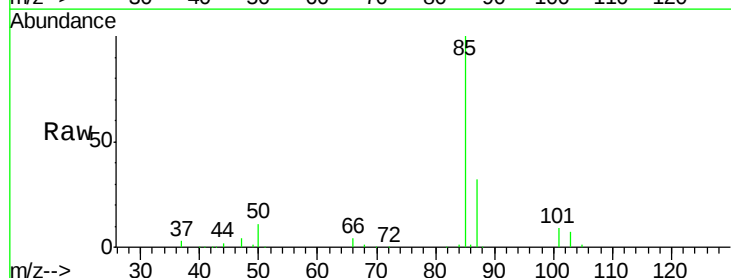
Acq: 26 Jun 2020 9:51

Tgt Ion: 85 Resp: 128820

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

100000

80000

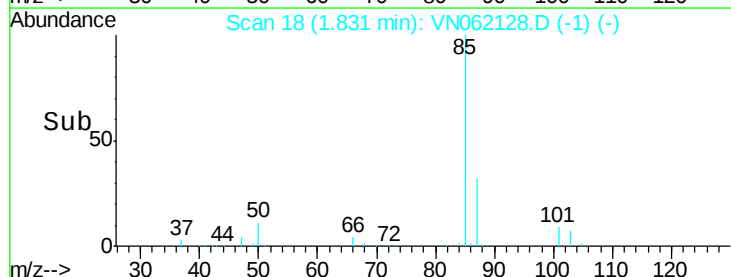
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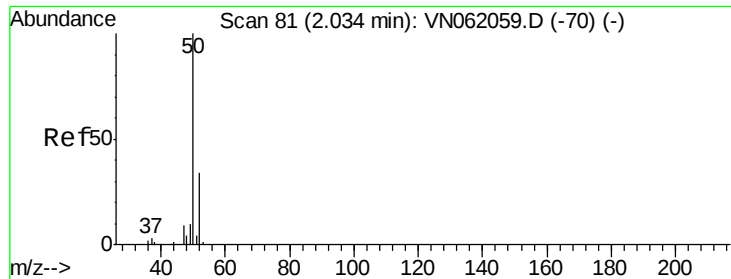
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20000

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Time-->





#3

Chloromethane

Concen: 44.187 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062128.D

Acq: 26 Jun 2020 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 157937

Ion Ratio Lower Upper

50 100

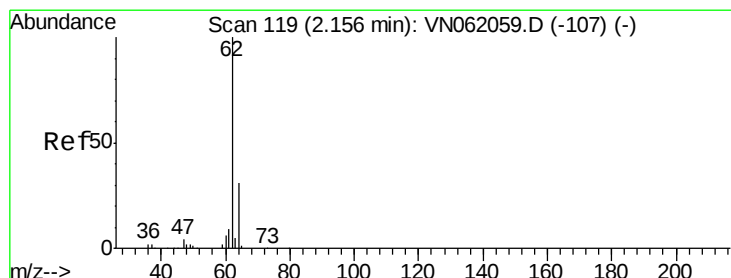
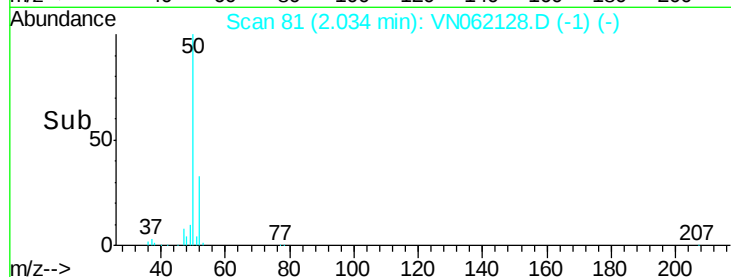
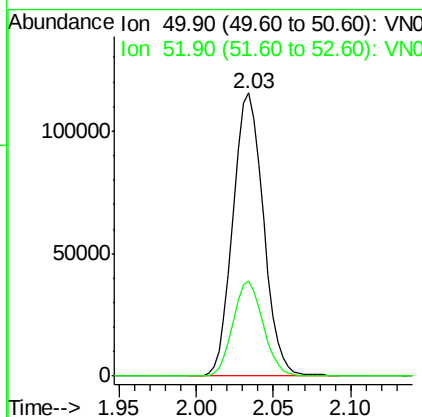
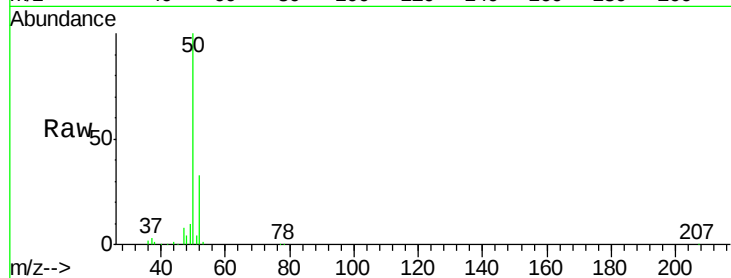
52 33.5 27.0 40.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 40.850 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062128.D

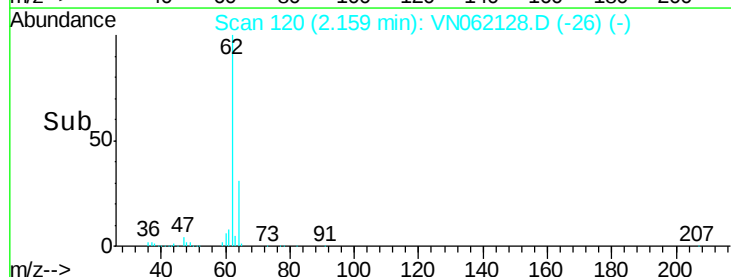
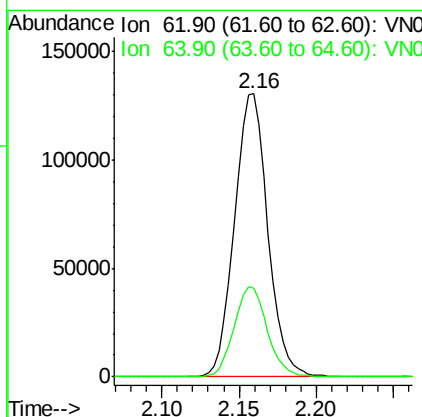
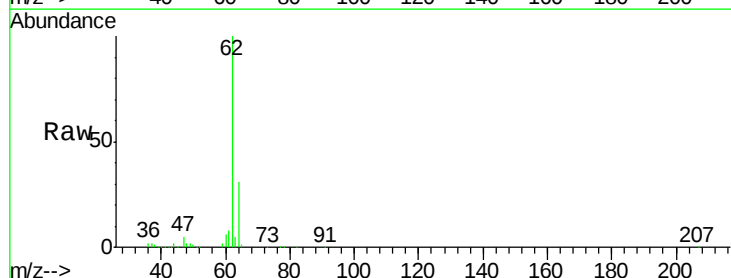
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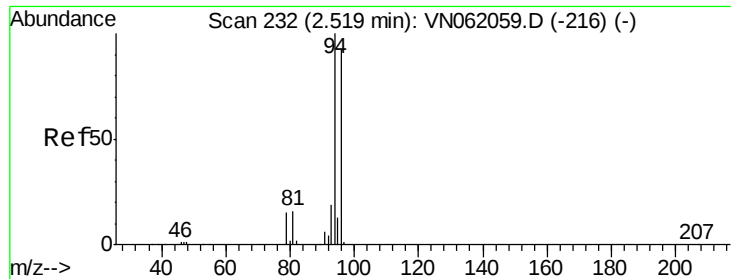
Tgt Ion: 62 Resp: 194626

Ion Ratio Lower Upper

62 100

64 31.3 25.1 37.7





#5

Bromomethane

Concen: 43.489 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.00 min

Lab File: VN062128.D

Acq: 26 Jun 2020 9:51

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 133911

Ion Ratio Lower Upper

94 100

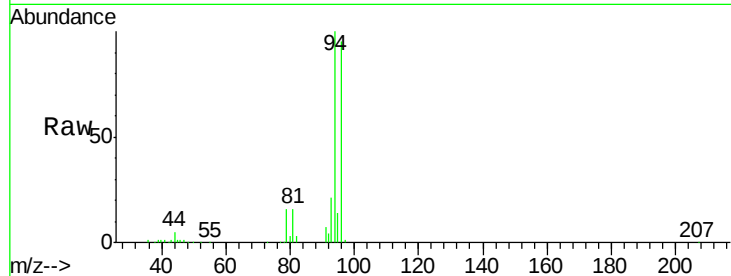
96 94.5 73.4 110.2

Manual Integrations

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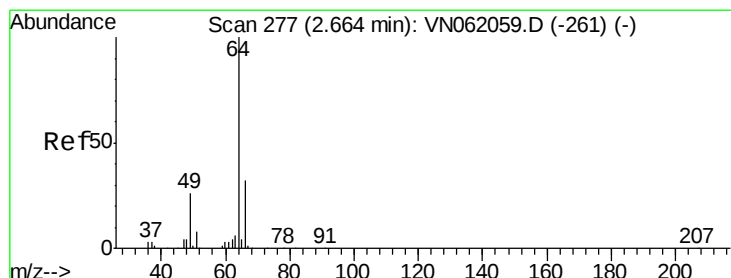
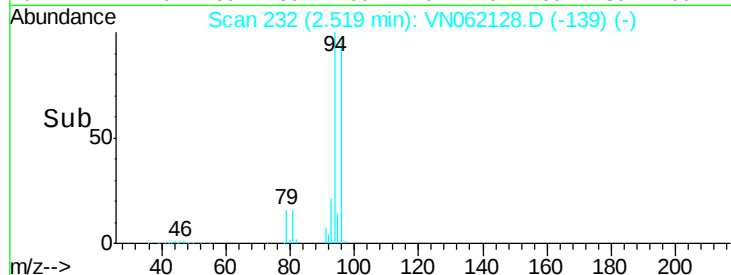
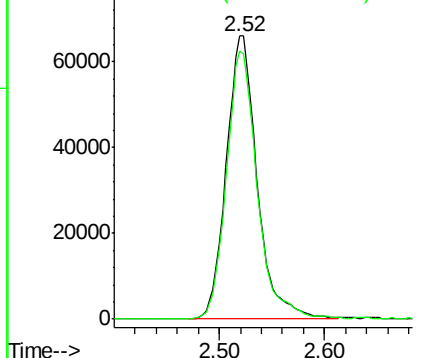
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 41.510 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.00 min

Lab File: VN062128.D

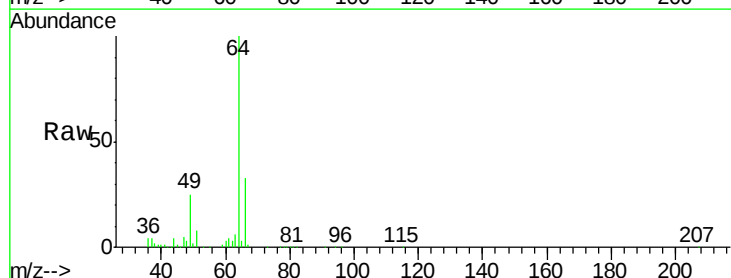
Acq: 26 Jun 2020 9:51

Tgt Ion: 64 Resp: 135097

Ion Ratio Lower Upper

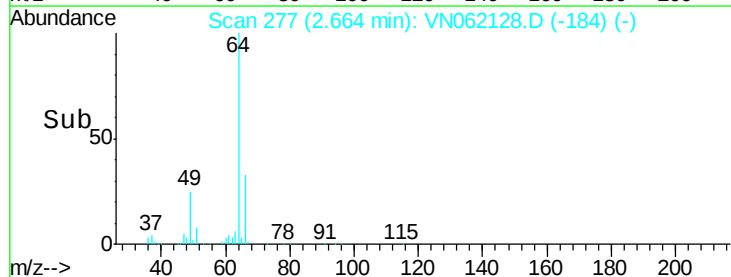
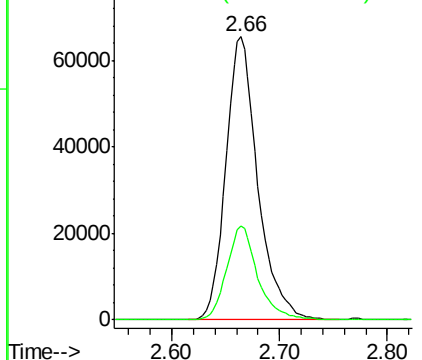
64 100

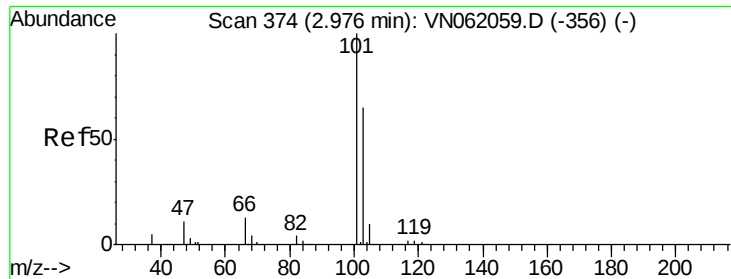
66 33.2 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

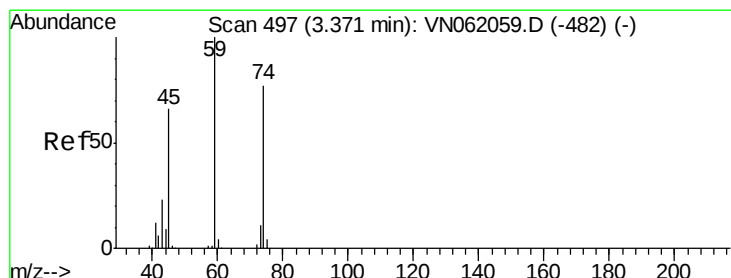
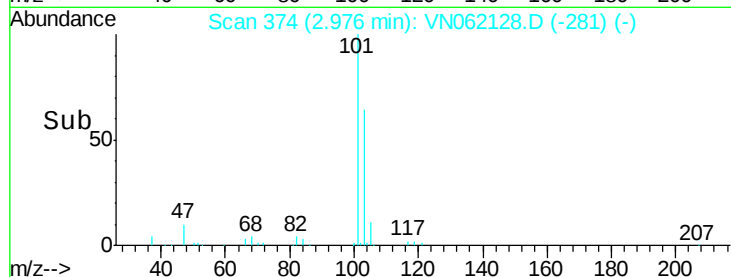
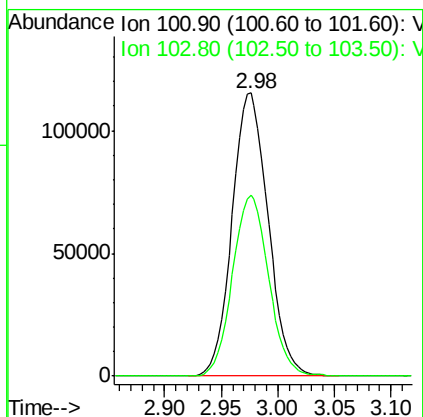
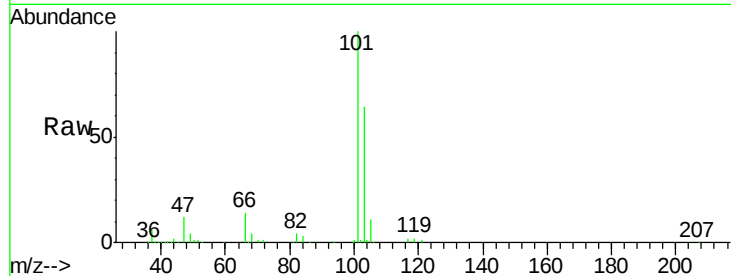
Trichlorofluoromethane
 Concen: 43.604 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: VN062128.D
 Acq: 26 Jun 2020 9:51

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	255982		
103	64.0	51.8	77.6	

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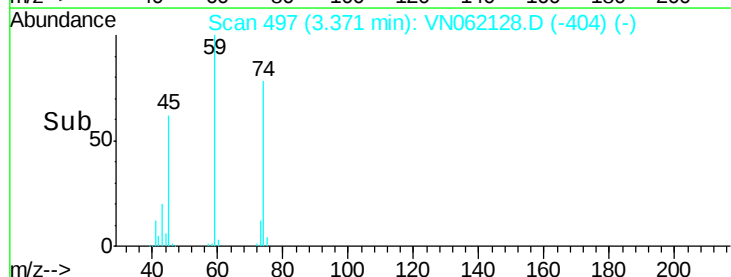
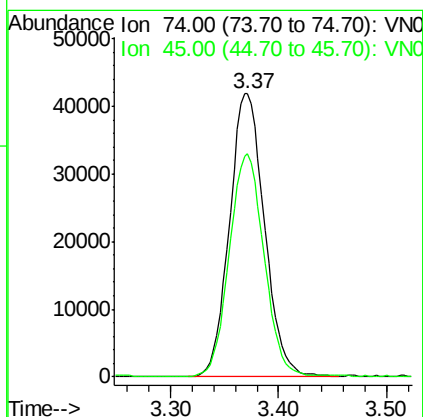
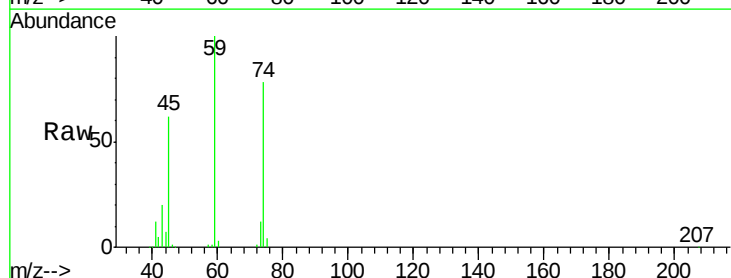
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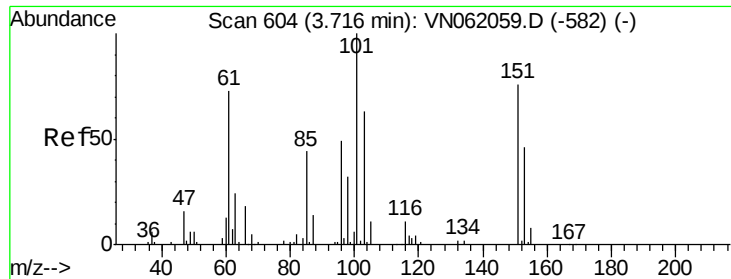


#8

Diethyl Ether
 Concen: 46.208 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062128.D
 Acq: 26 Jun 2020 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	94724		
45	78.0	42.5	127.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.579 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

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MSVOA_N

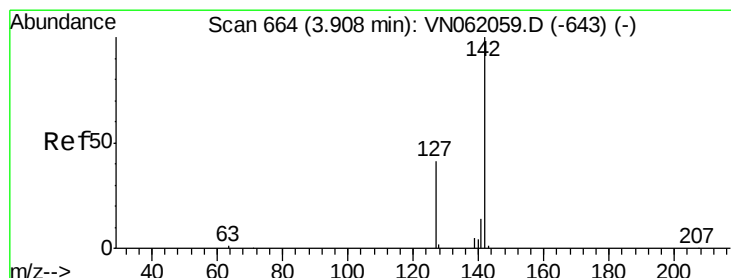
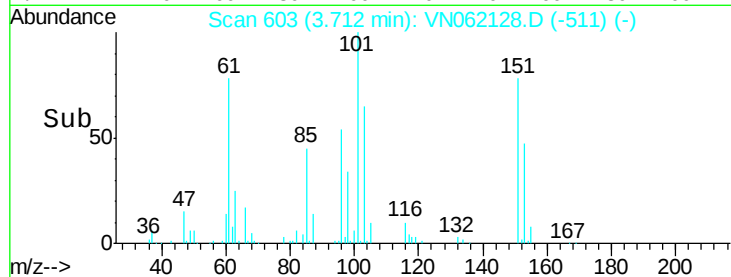
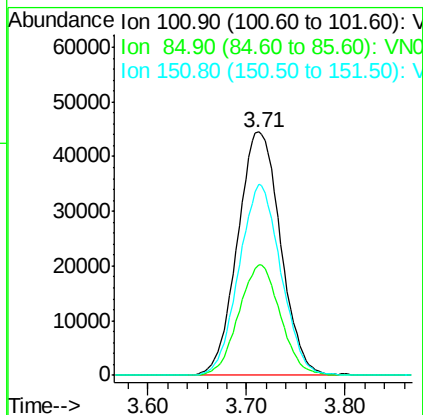
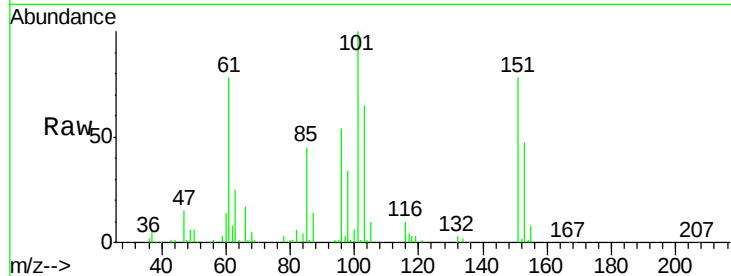
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	133973
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.5	51.7
151	76.6	57.8	86.8

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#10

Methyl Iodide

Concen: 48.222 ug/l

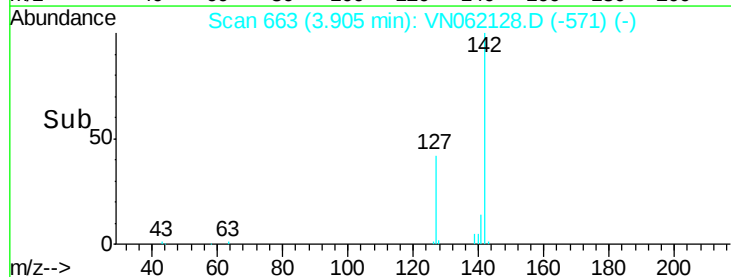
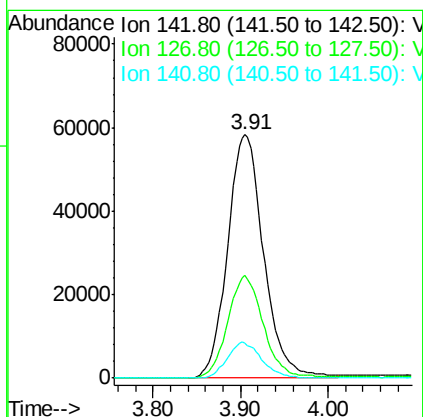
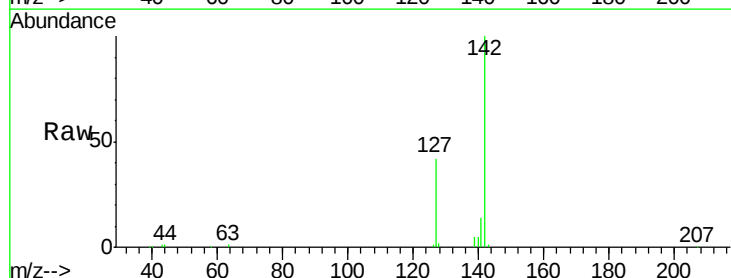
RT: 3.91 min Scan# 663

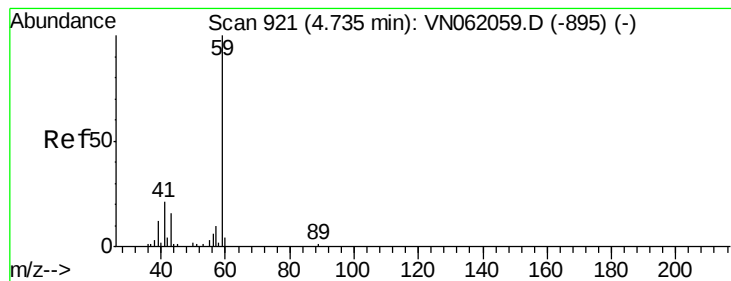
Delta R.T. -0.00 min

Lab File: VN062128.D

Acq: 26 Jun 2020 9:51

Tgt Ion:	142	Resp:	166957
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.6	50.4
141	13.9	11.3	16.9





#11

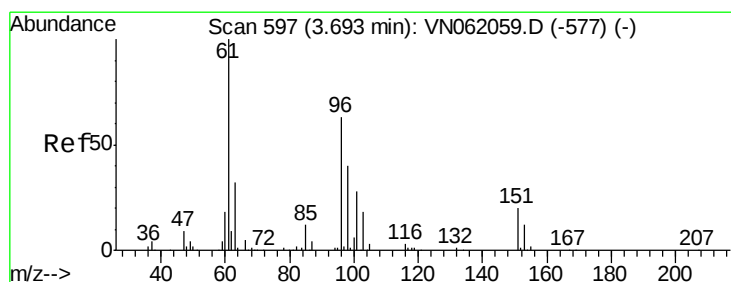
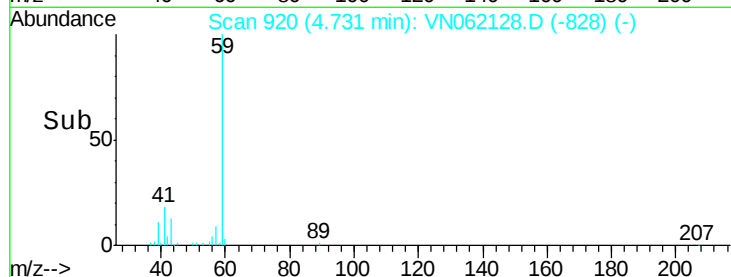
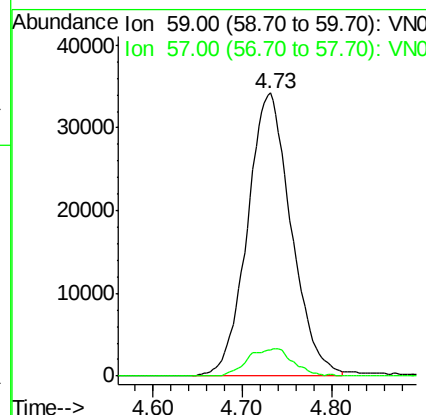
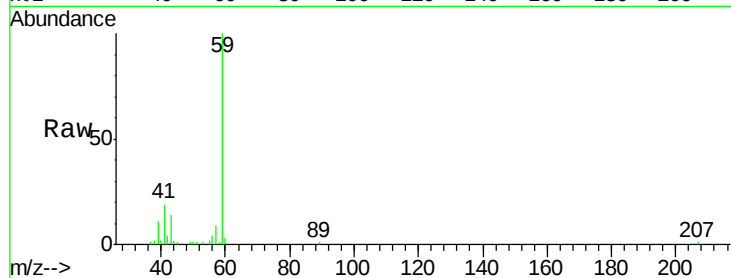
Tert butyl alcohol
 Concen: 216.958 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN062128.D
 Acq: 26 Jun 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	117004
Ion Ratio	100	Lower	Upper
57	10.0	8.3	12.5

Manual Integrations
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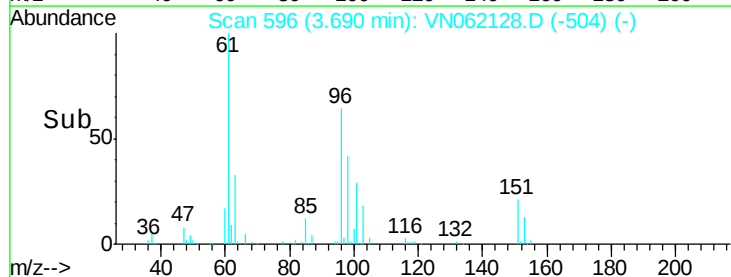
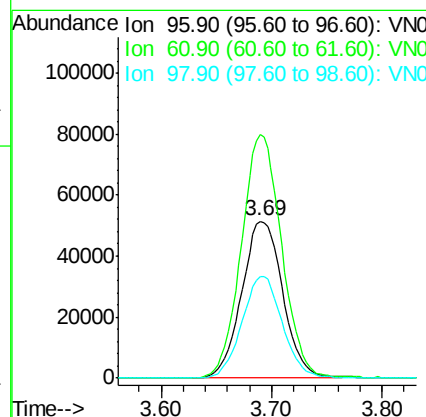
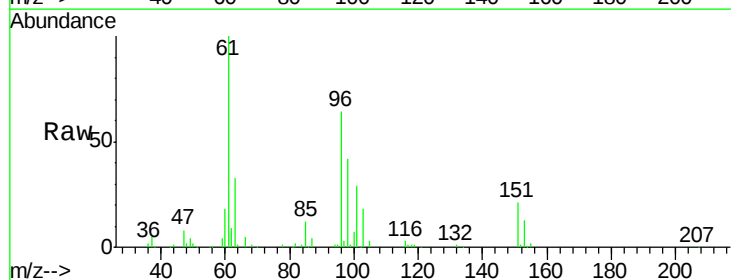
MMDadoda
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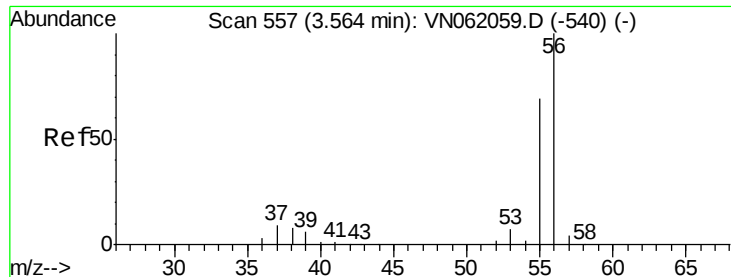


#12

1,1-Dichloroethene
 Concen: 43.131 ug/l
 RT: 3.69 min Scan# 596
 Delta R.T. -0.00 min
 Lab File: VN062128.D
 Acq: 26 Jun 2020 9:51

Tgt Ion	96	Resp	132556
Ion Ratio	100	Lower	Upper
61	155.5	126.7	190.1
98	64.6	51.0	76.4





#13

Acrolein

Concen: 230.377 ug/l

RT: 3.56 min Scan# 556

Delta R.T. -0.00 min

Lab File: VN062128.D

Acq: 26 Jun 2020 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 121639

Ion Ratio Lower Upper

56 100

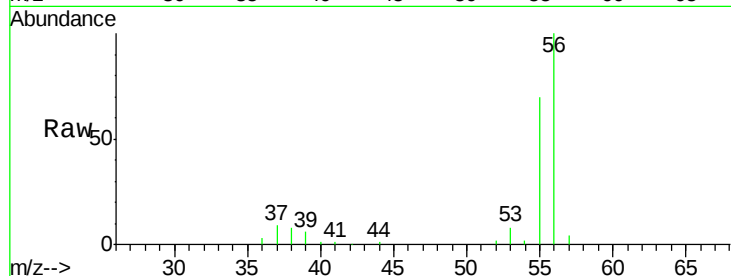
55 70.0 55.5 83.3

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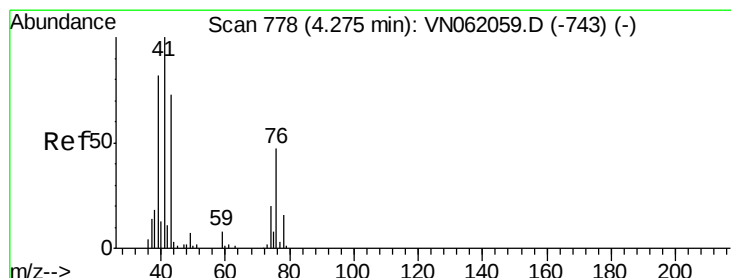
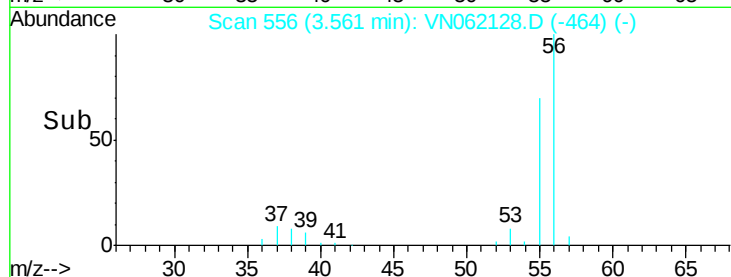
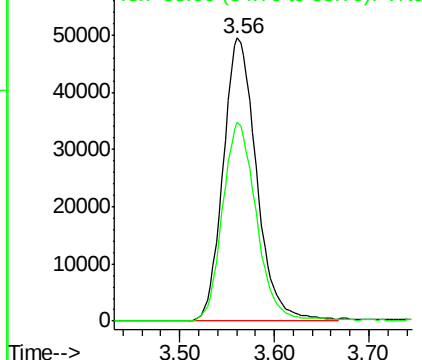
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 43.765 ug/l

RT: 4.27 min Scan# 776

Delta R.T. -0.01 min

Lab File: VN062128.D

Acq: 26 Jun 2020 9:51

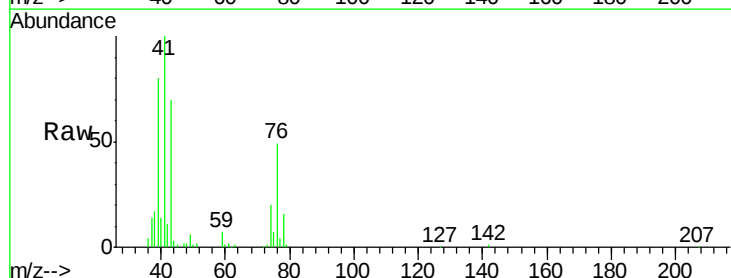
Tgt Ion: 41 Resp: 183126

Ion Ratio Lower Upper

41 100

39 74.9 60.0 90.0

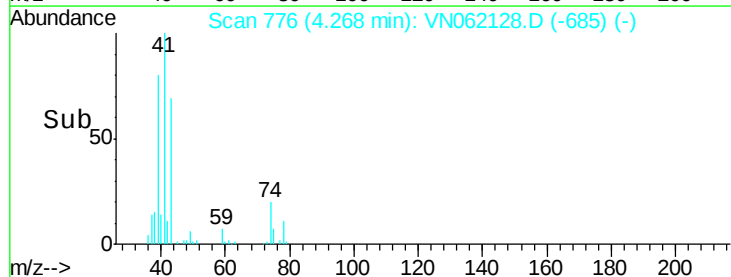
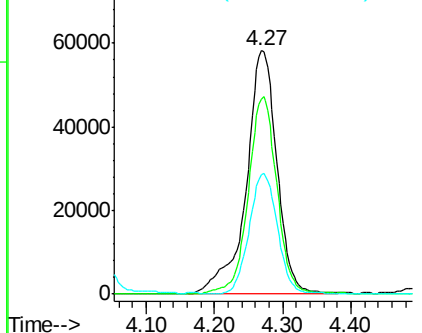
76 44.5 34.1 51.1



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 213.352 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.00 min

Lab File: VN062128.D

Acq: 26 Jun 2020 9:51

Instrument :

MSVOA_N

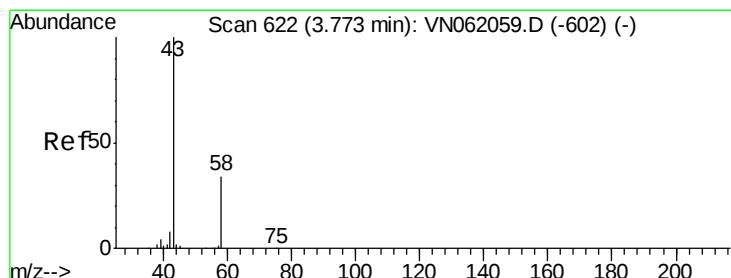
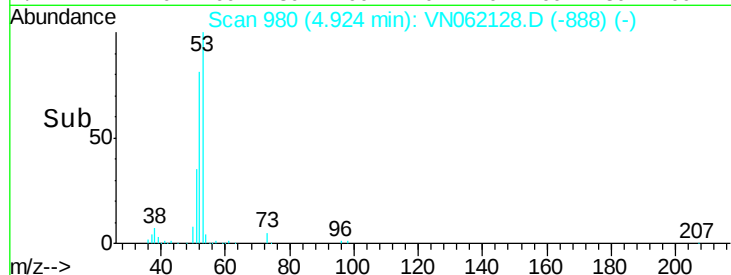
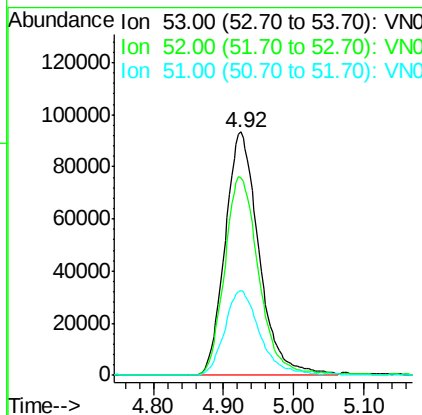
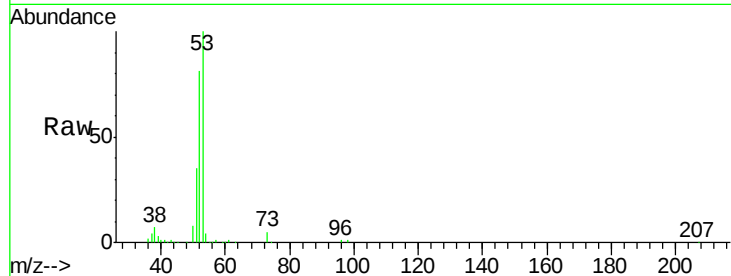
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	313540
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.4
51	36.1	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 234.146 ug/l

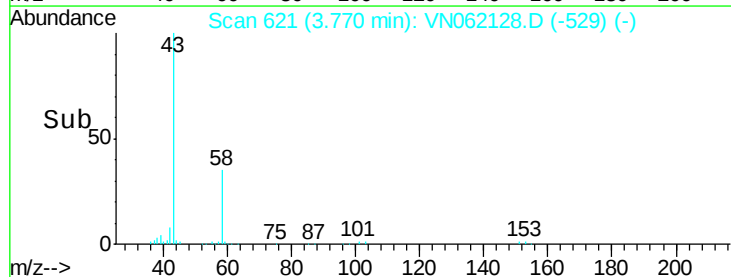
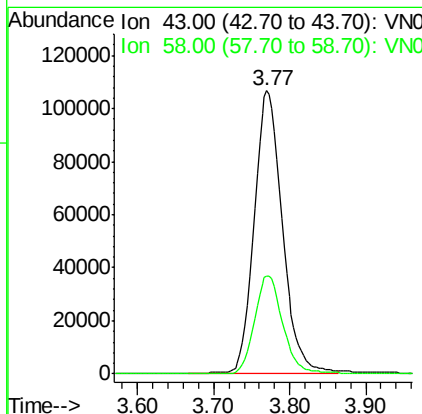
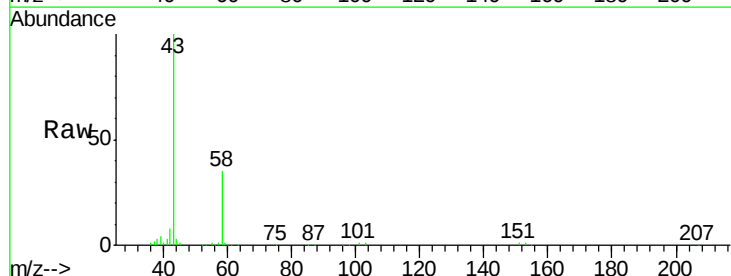
RT: 3.77 min Scan# 621

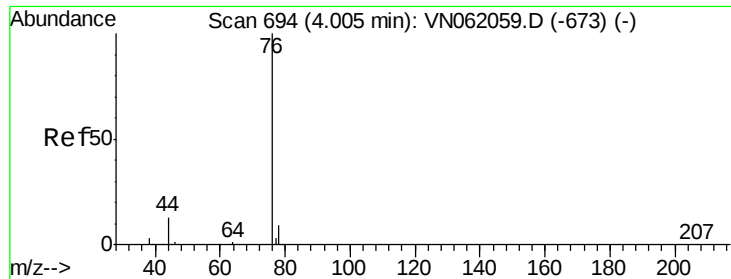
Delta R.T. -0.00 min

Lab File: VN062128.D

Acq: 26 Jun 2020 9:51

Tgt Ion:	43	Resp:	276358
Ion	Ratio	Lower	Upper
43	100		
58	34.6	27.5	41.3





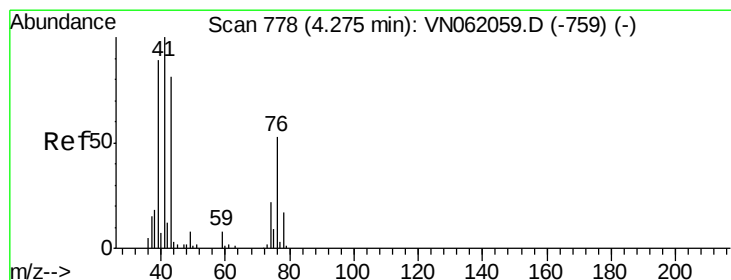
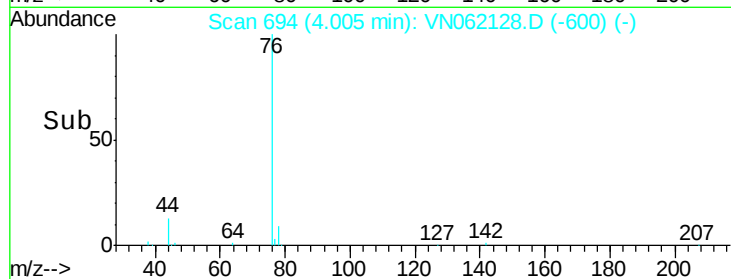
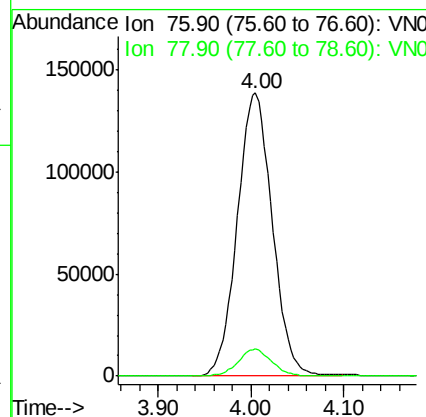
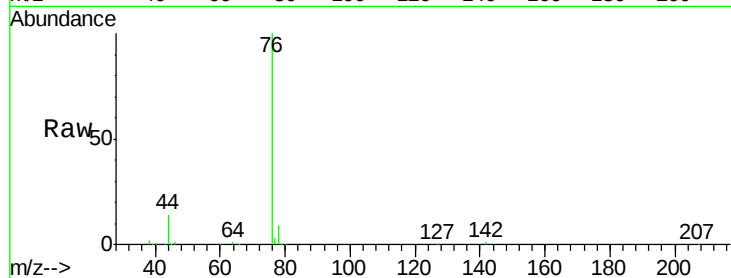
#17
Carbon Disulfide
Concen: 41.335 ug/l
RT: 4.00 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.2	10.8

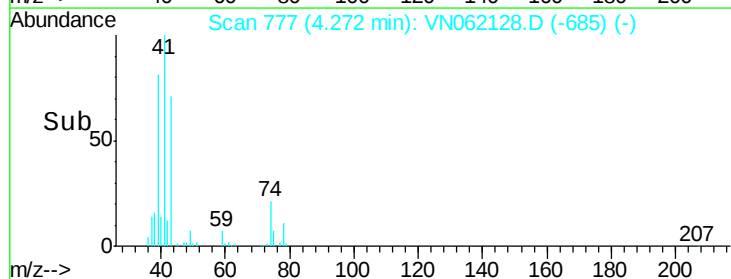
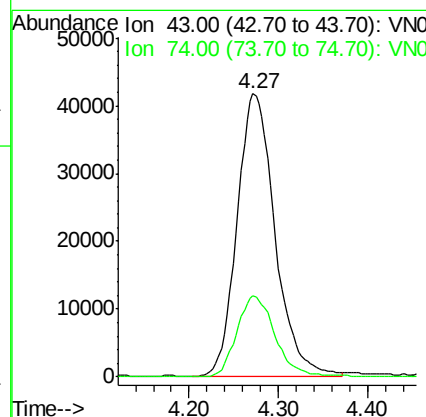
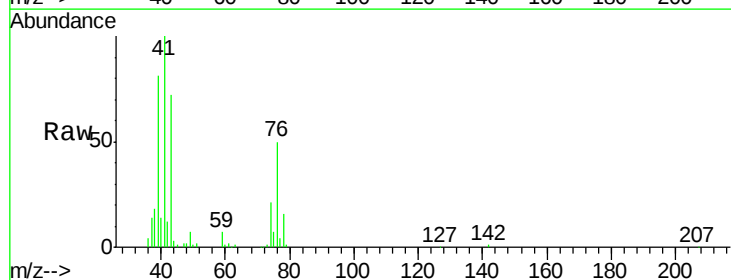
Manual Integrations
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#18
Methyl Acetate
Concen: 41.515 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.00 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.3	22.9	34.3





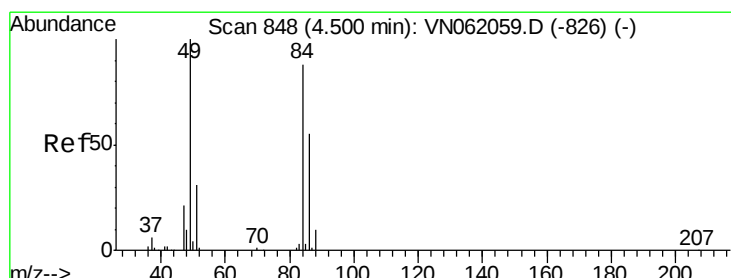
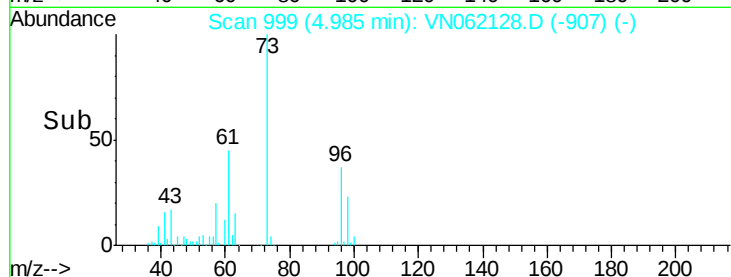
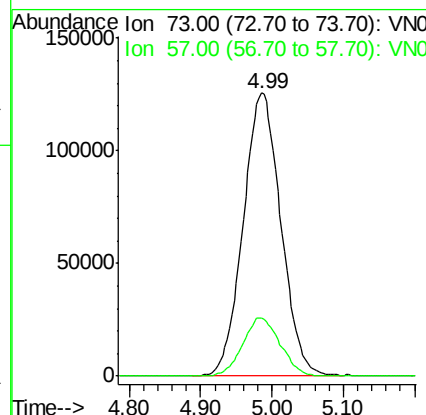
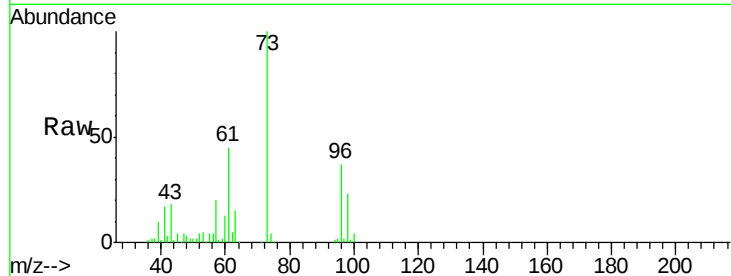
#19
Methyl tert-butyl Ether
Concen: 47.085 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.3	16.6	24.8

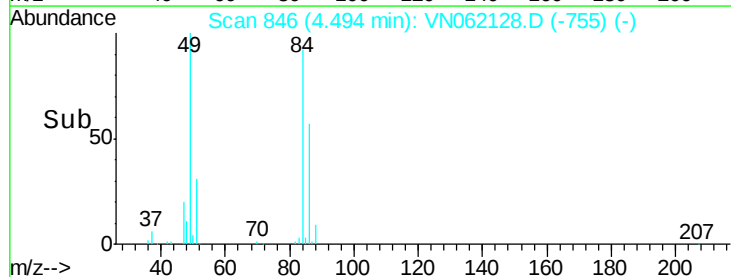
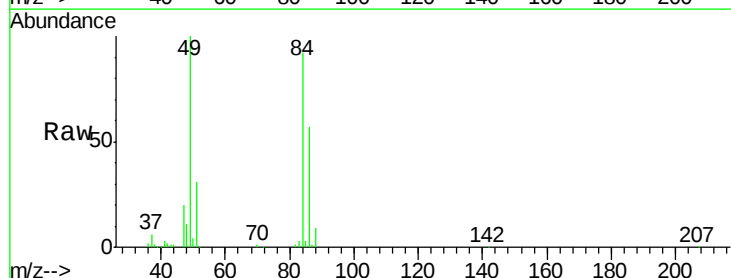
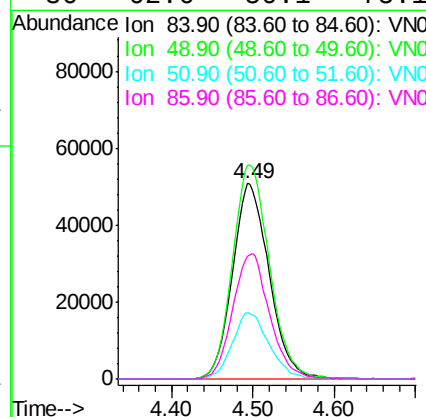
Manual Integrations
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#20
Methylene Chloride
Concen: 46.134 ug/l
RT: 4.49 min Scan# 846
Delta R.T. -0.01 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.2	90.6	136.0
51	34.0	27.8	41.8
86	62.6	50.1	75.1





#21

trans-1,2-Dichloroethene

Concen: 42.152 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN062128.D

Acq: 26 Jun 2020 9:51

Instrument :

MSVOA_N

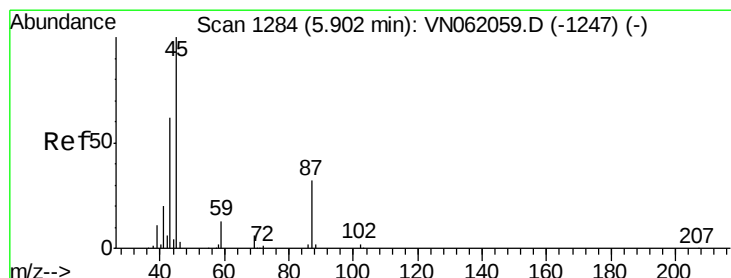
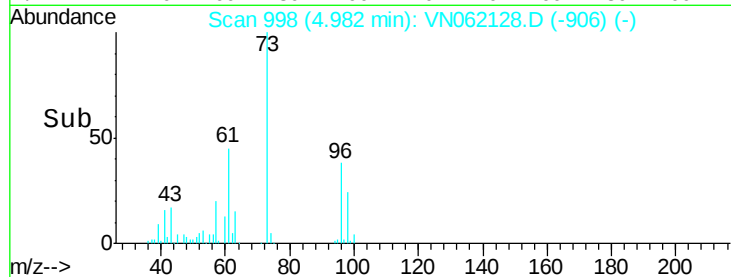
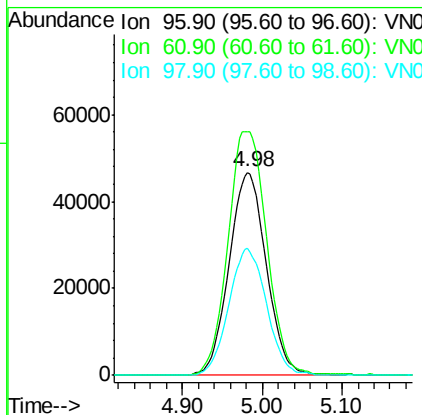
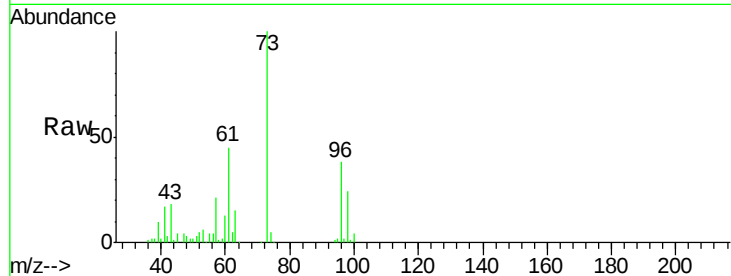
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	147580
Ion	Ratio	Lower	Upper
96	100		
61	120.1	101.4	152.2
98	62.7	49.3	73.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 43.347 ug/l

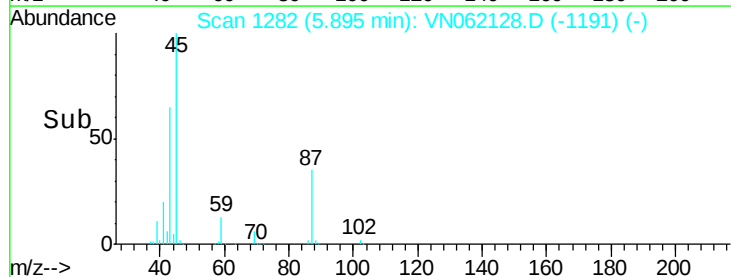
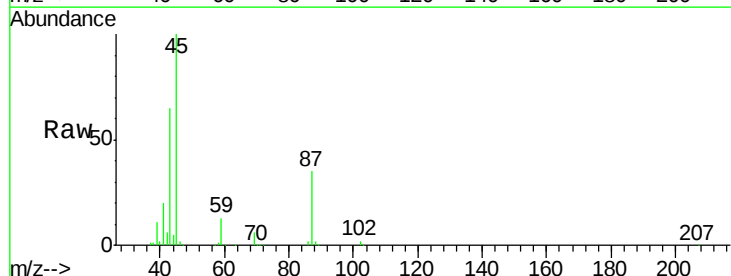
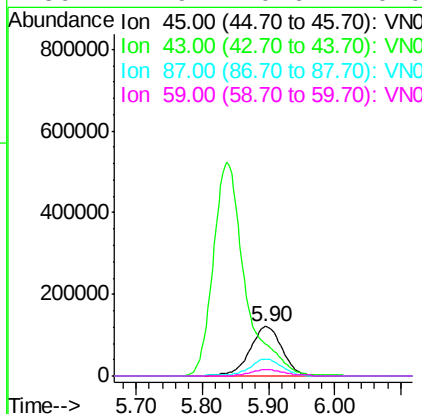
RT: 5.90 min Scan# 1282

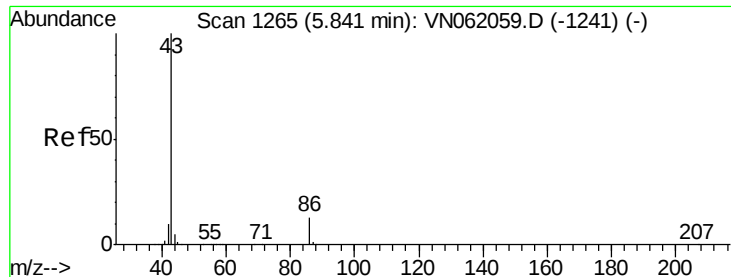
Delta R.T. -0.01 min

Lab File: VN062128.D

Acq: 26 Jun 2020 9:51

Tgt Ion:	45	Resp:	412976
Ion	Ratio	Lower	Upper
45	100		
43	63.1	49.7	74.5
87	34.9	25.9	38.9
59	12.9	10.6	16.0





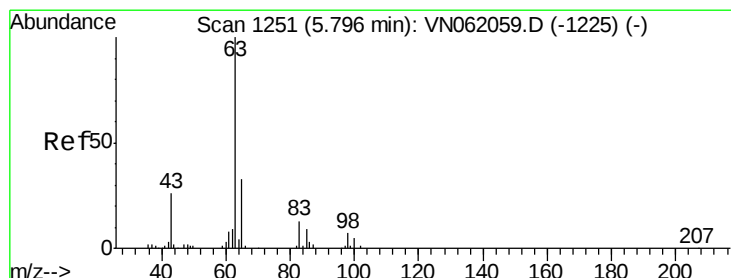
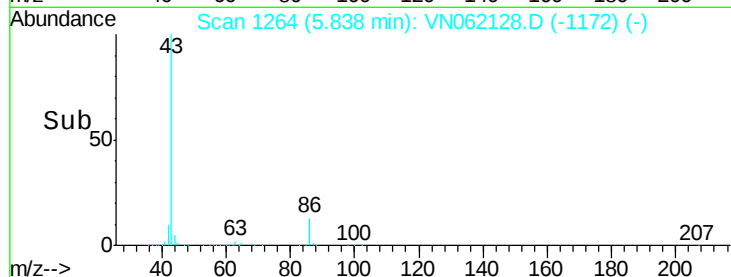
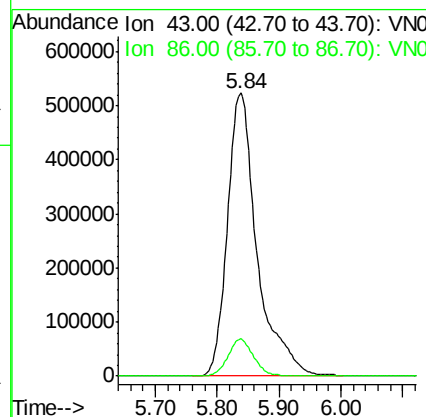
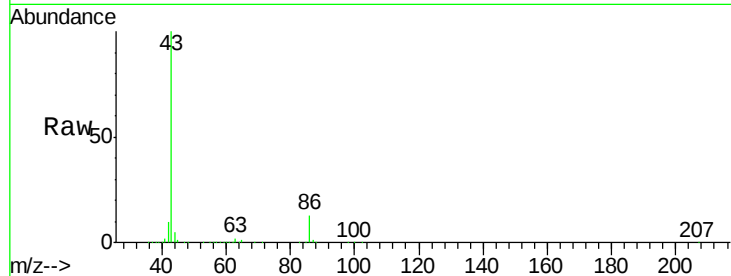
#23
 Vinyl Acetate
 Concen: 224.812 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VN062128.D
 Acq: 26 Jun 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1748686
 Ion Ratio Lower Upper
 43 100
 86 13.1 10.1 15.1

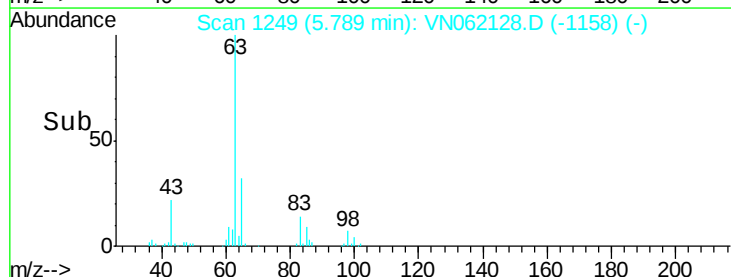
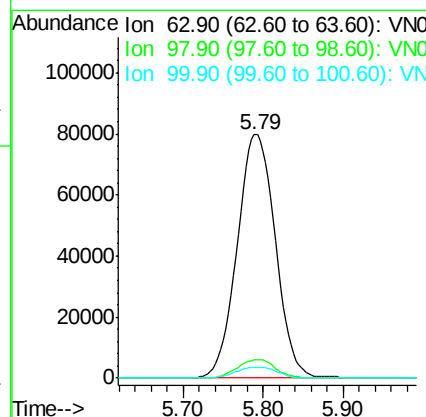
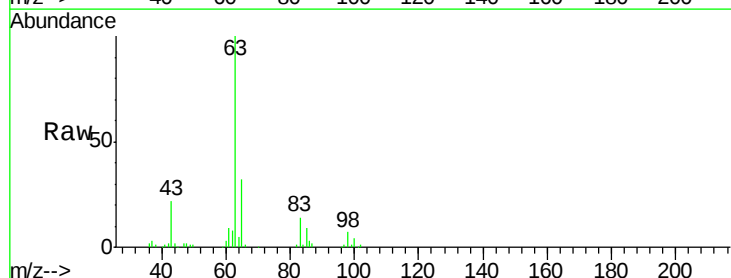
Manual Integrations
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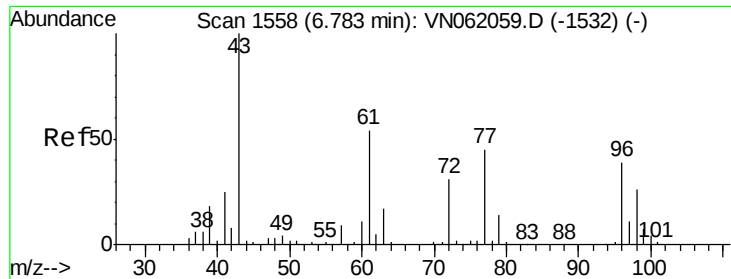
MMDadoda
 6/29/2020 12:35:26 PM



#24
 1,1-Dichloroethane
 Concen: 42.064 ug/l
 RT: 5.79 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VN062128.D
 Acq: 26 Jun 2020 9:51

Tgt Ion: 63 Resp: 258065
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.6 10.9
 100 4.3 2.4 7.1





#25

2-Butanone

Concen: 209.961 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN062128.D

Acq: 26 Jun 2020 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 385475

Ion Ratio Lower Upper

43 100

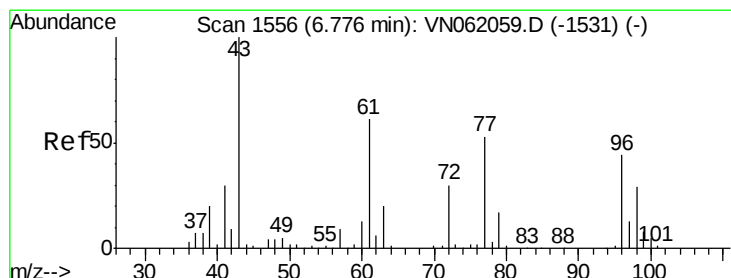
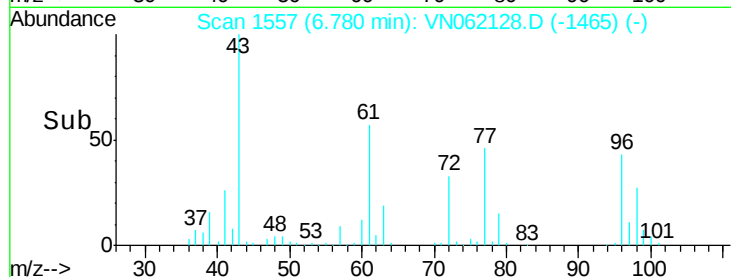
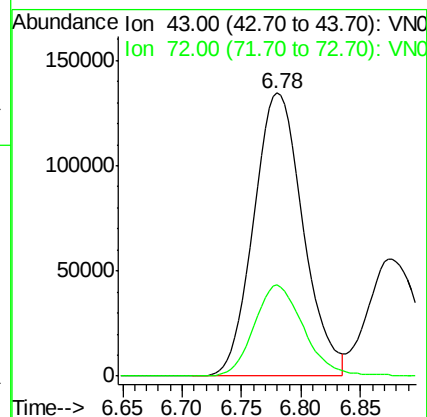
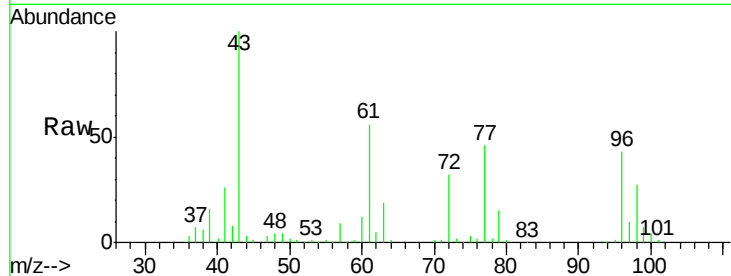
72 32.5 24.8 37.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.235 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.01 min

Lab File: VN062128.D

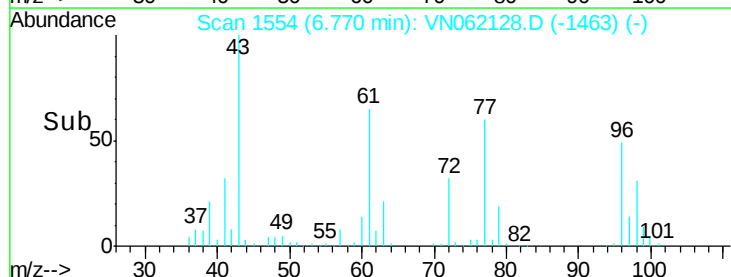
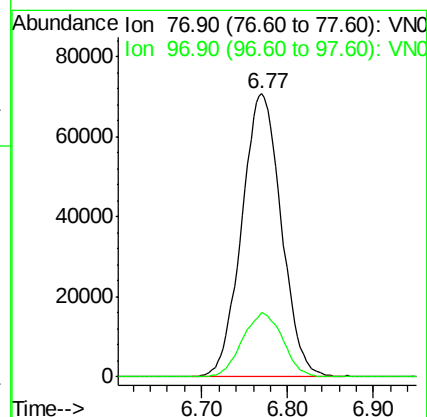
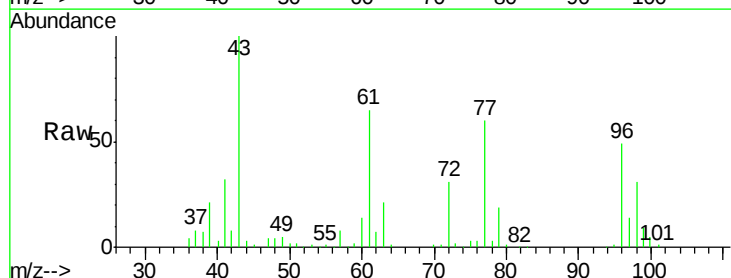
Acq: 26 Jun 2020 9:51

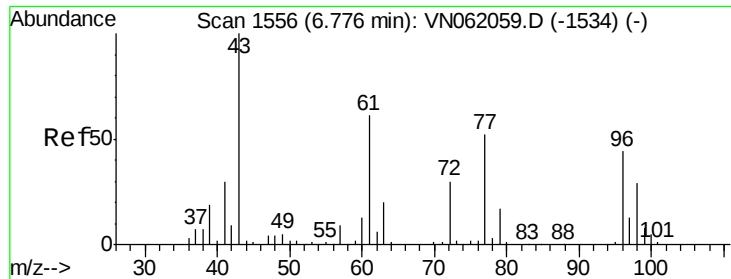
Tgt Ion: 77 Resp: 226148

Ion Ratio Lower Upper

77 100

97 23.1 11.8 35.3





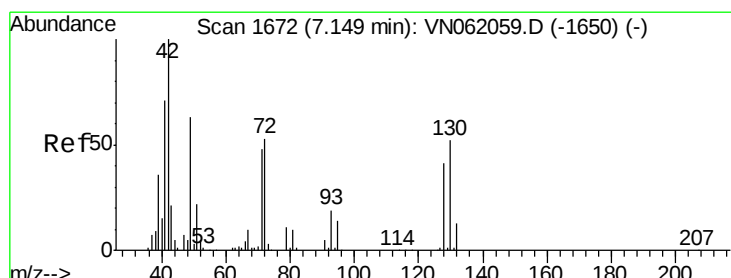
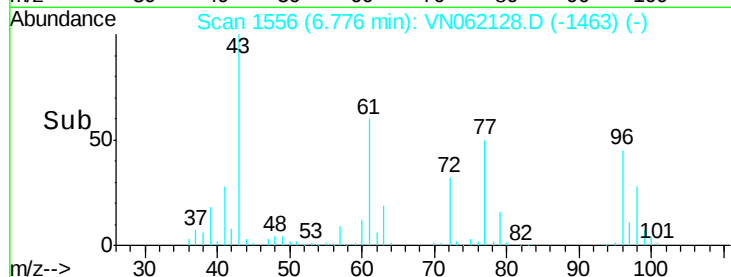
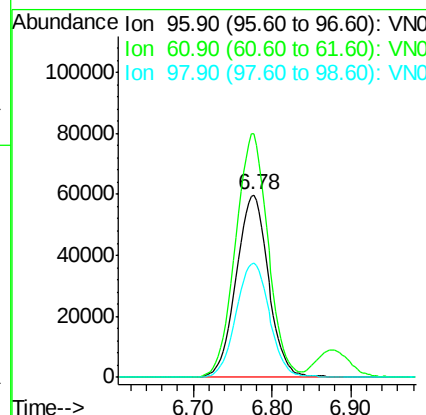
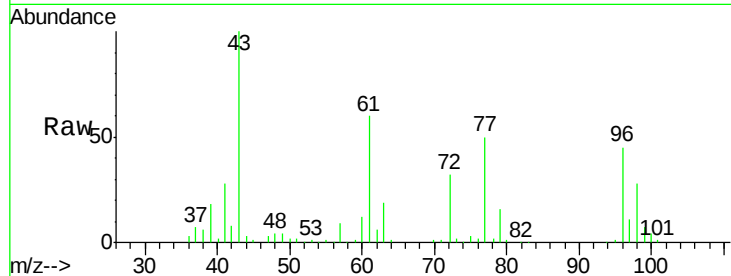
#27
 cis-1,2-Dichloroethene
 Concen: 43.606 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN062128.D
 Acq: 26 Jun 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	171792		
61	134.3	0.0	280.4	
98	64.6	0.0	129.4	

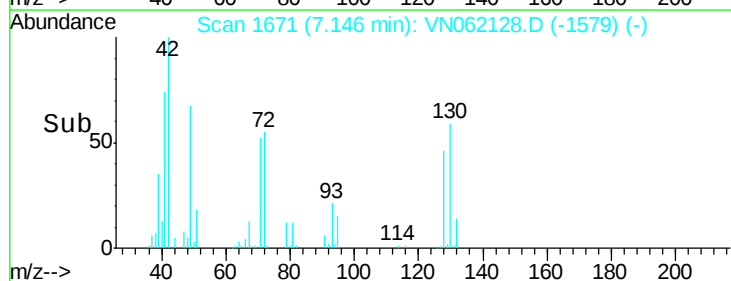
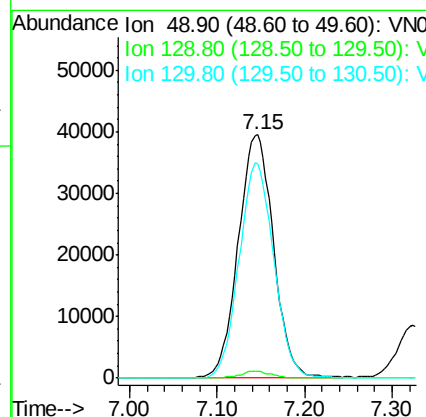
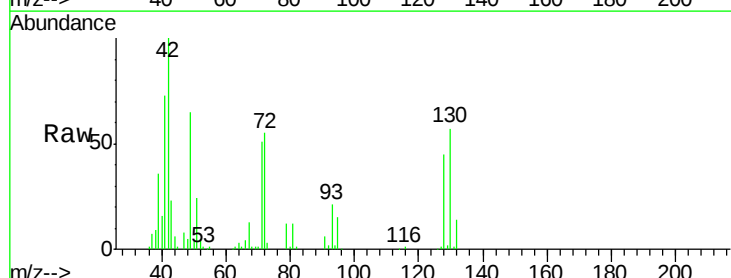
Manual Integrations
 APPROVED

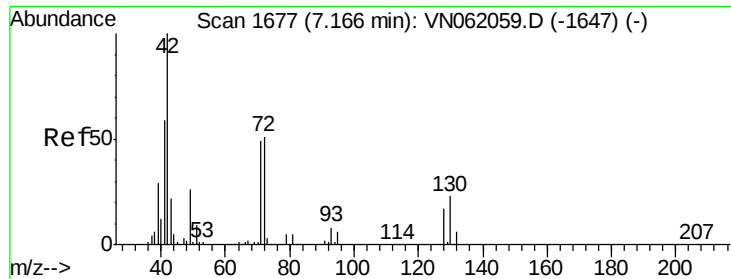
MMDadoda
 6/29/2020 12:35:26 PM



#28
 Bromochloromethane
 Concen: 41.520 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: VN062128.D
 Acq: 26 Jun 2020 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	110521		
129	2.5	0.0	4.4	
130	87.1	65.5	98.3	





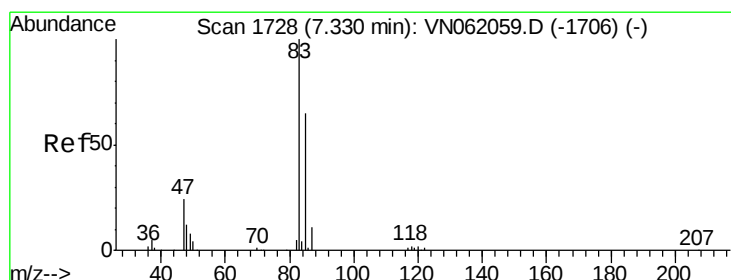
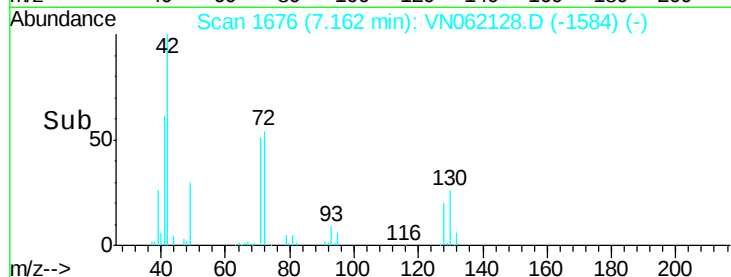
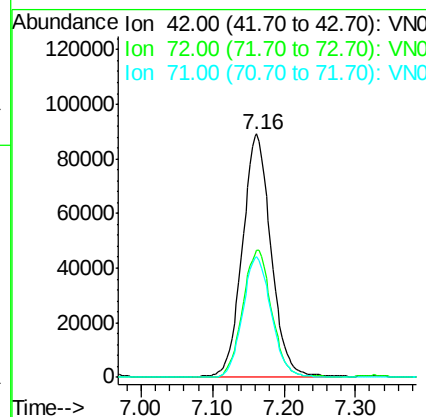
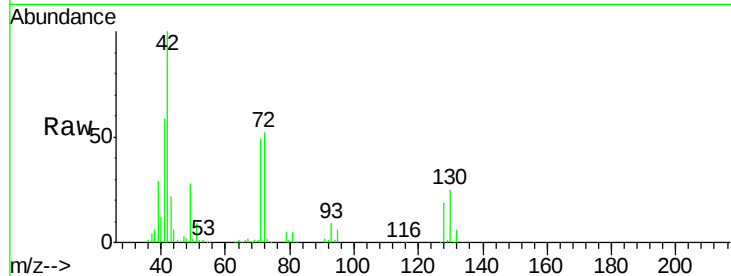
#29
Tetrahydrofuran
Concen: 208.418 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.8	41.1	61.7
71	49.2	38.2	57.4

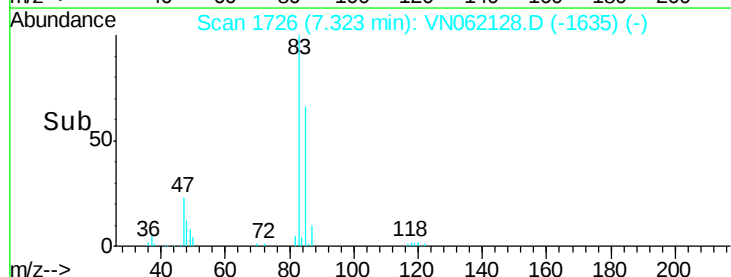
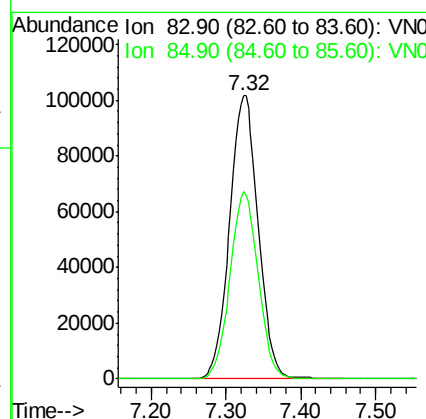
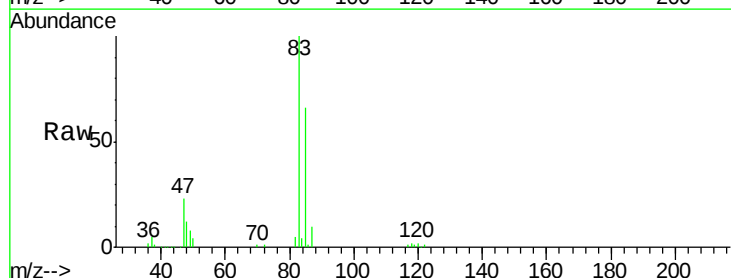
Manual Integrations
APPROVED

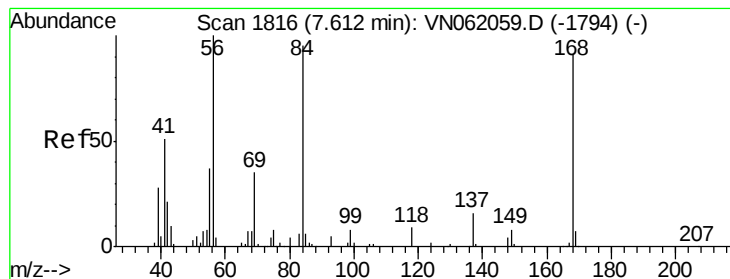
MMDadoda
6/29/2020 12:35:26 PM



#30
Chloroform
Concen: 43.131 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.01 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.3	78.5





#31

Cyclohexane

Concen: 41.514 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN062128.D

Acq: 26 Jun 2020 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 215431

Ion Ratio Lower Upper

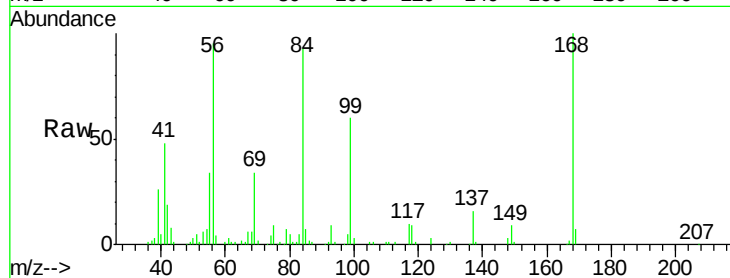
56 100

69 35.5 28.0 42.0

84 96.7 76.1 114.1

Manual Integrations
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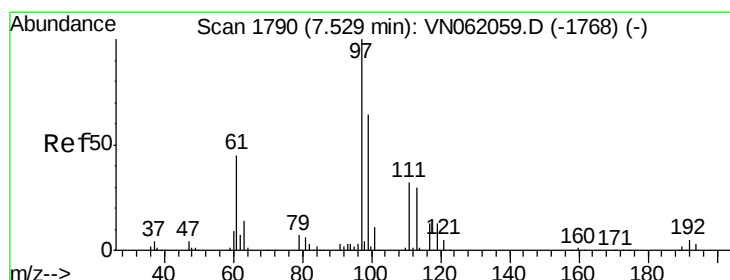
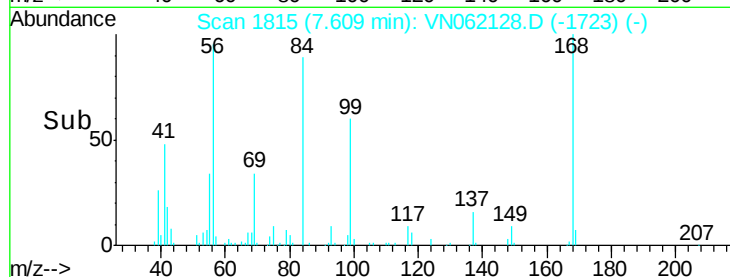
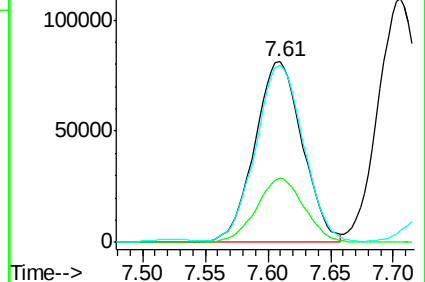
MMDadoda
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Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 44.306 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN062128.D

Acq: 26 Jun 2020 9:51

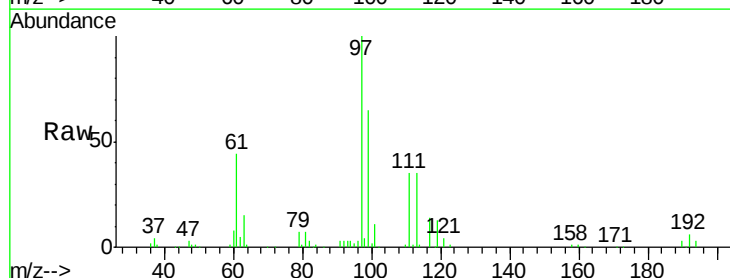
Tgt Ion: 97 Resp: 233224

Ion Ratio Lower Upper

97 100

99 62.7 51.0 76.4

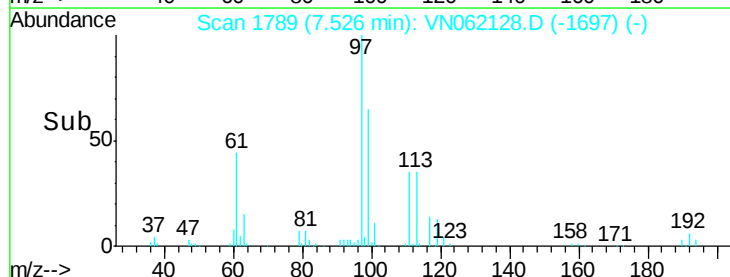
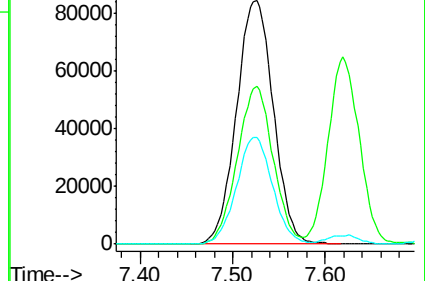
61 42.9 36.2 54.2

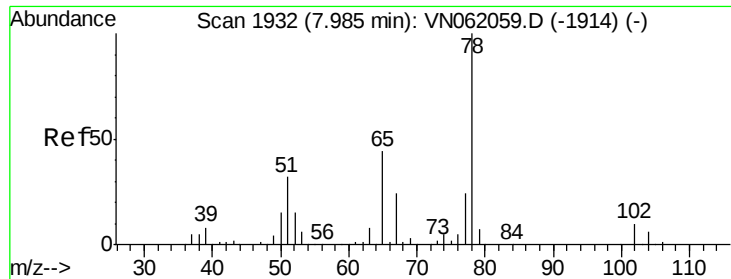


Abundance Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC





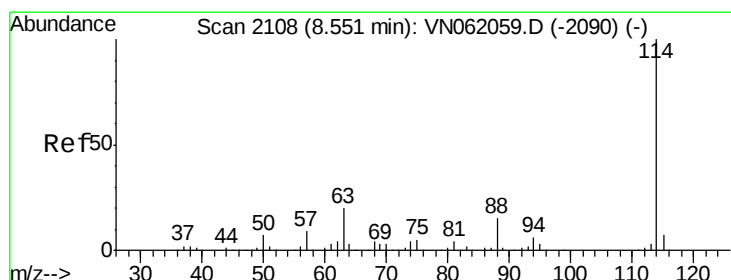
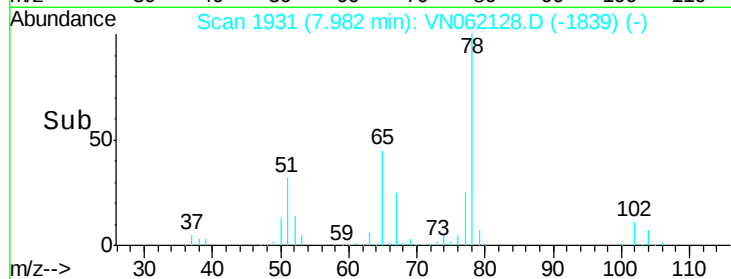
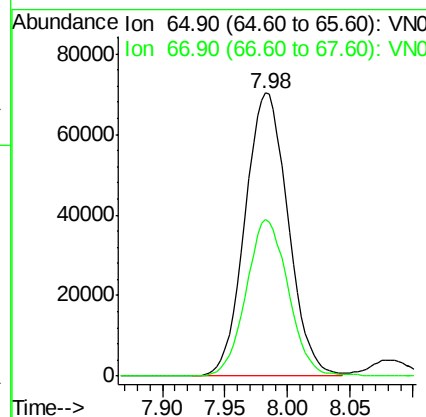
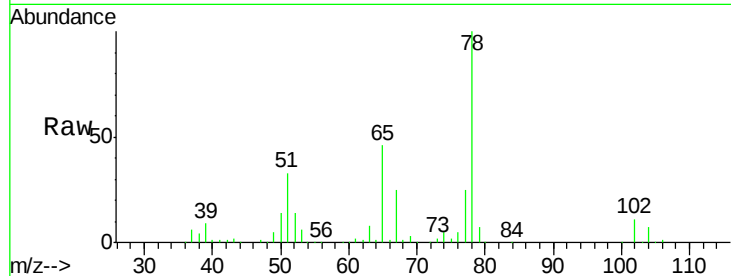
#33
 1,2-Dichloroethane-d4
 Concen: 44.702 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VN062128.D
 Acq: 26 Jun 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 167906
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.2

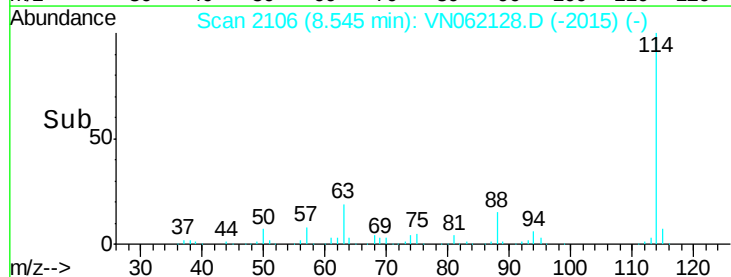
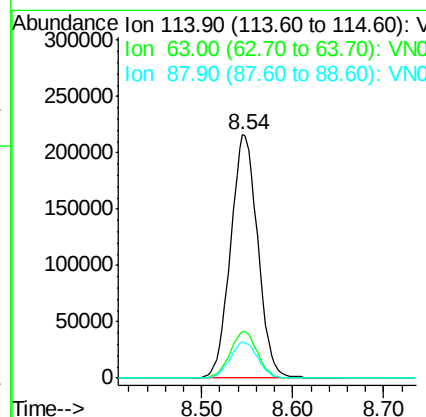
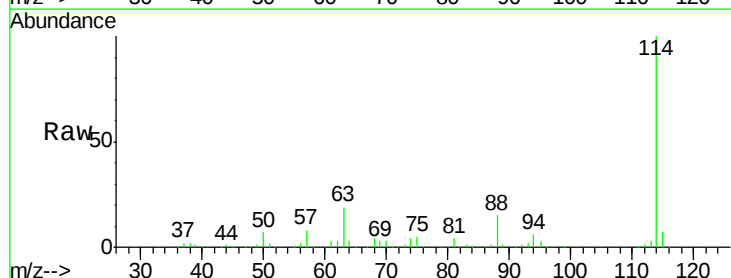
Manual Integrations
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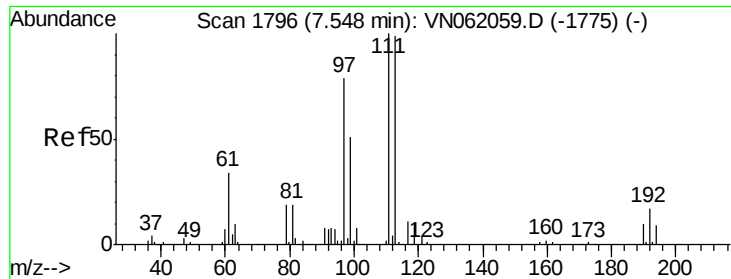
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.54 min Scan# 2106
 Delta R.T. -0.01 min
 Lab File: VN062128.D
 Acq: 26 Jun 2020 9:51

Tgt Ion: 114 Resp: 448102
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.2
 88 14.7 0.0 30.8





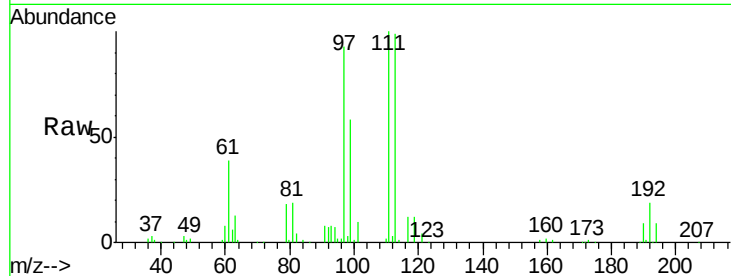
#35
Dibromofluoromethane
Concen: 49.387 ug/l
RT: 7.54 min Scan# 1794
Delta R.T. -0.01 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

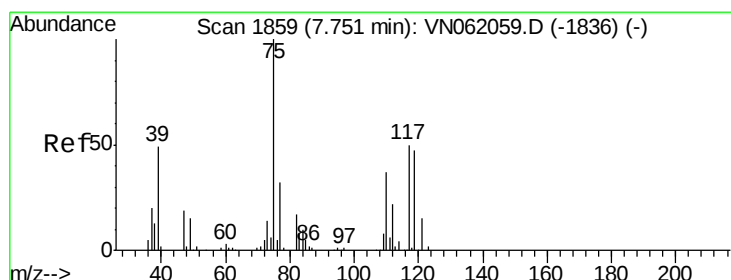
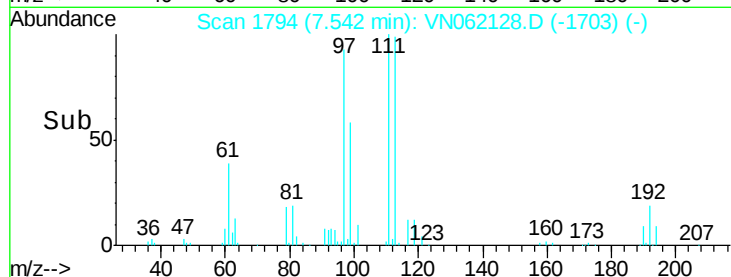
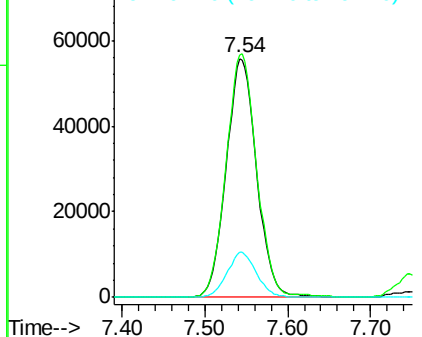
Tot Ion	Ratio	Resp	Lower	Upper
113	100	141976		
111	101.6	82.2	123.4	
192	18.3	14.0	21.0	

Manual Integrations
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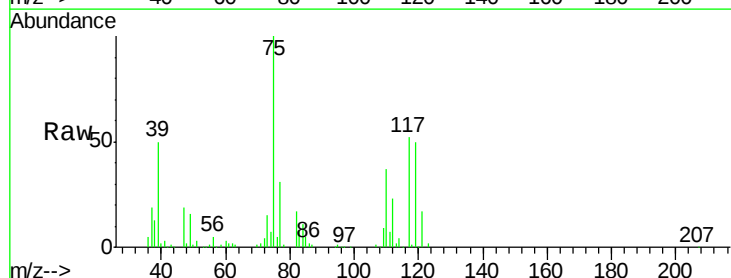


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

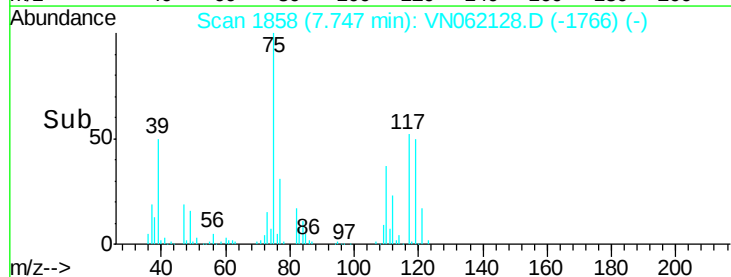
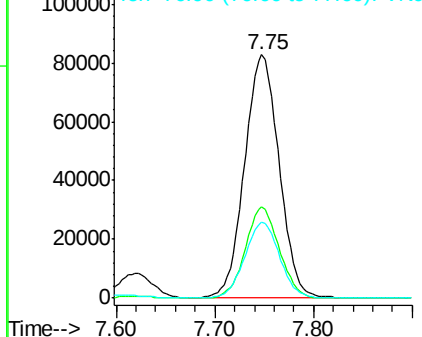


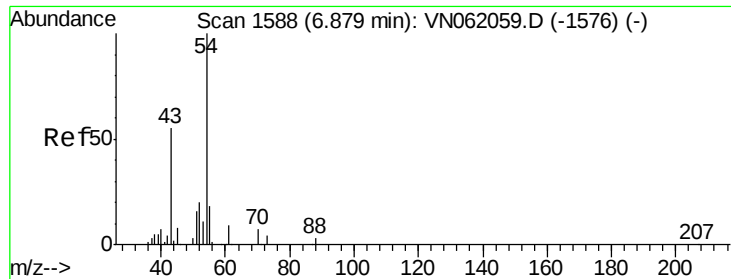
#36
1,1-Dichloropropene
Concen: 44.230 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	199215		
110	36.7	17.9	53.8	
77	31.8	24.9	37.3	



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





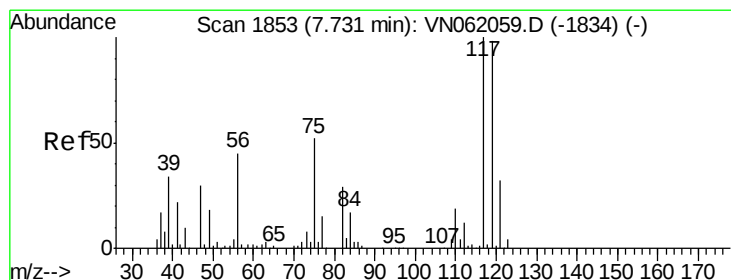
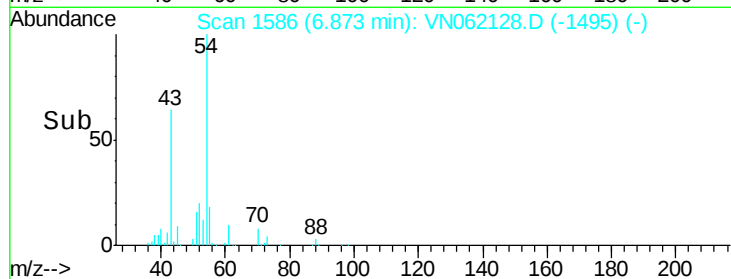
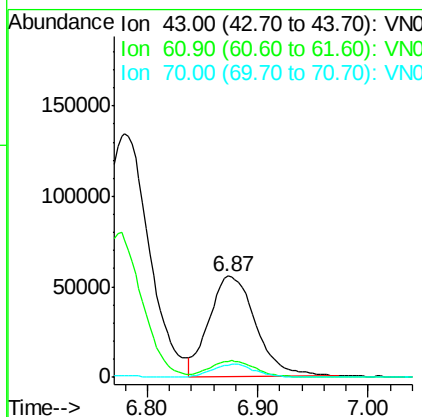
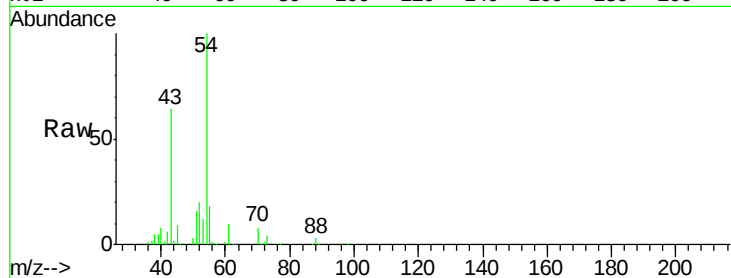
#37
Ethyl Acetate
Concen: 43.356 ug/l
RT: 6.87 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.0	18.0
70	12.2	9.6	14.4

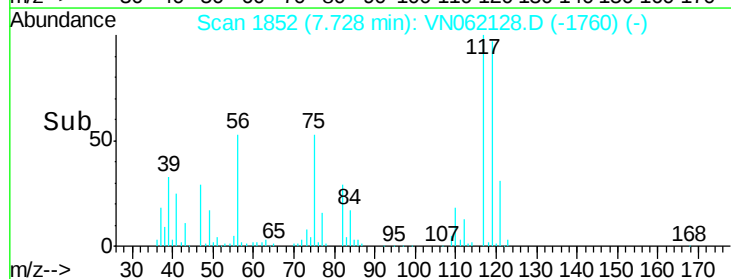
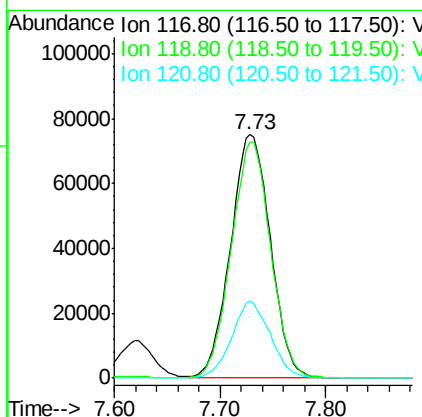
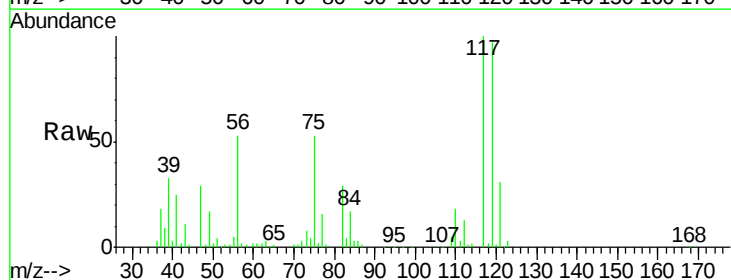
Manual Integrations
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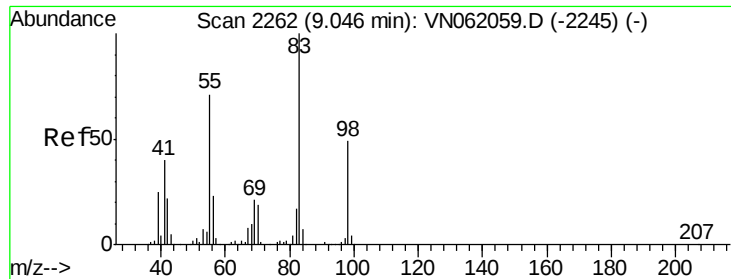
MMDadoda
6/29/2020 12:35:26 PM



#38
Carbon Tetrachloride
Concen: 46.107 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	78.2	117.2
121	31.6	25.8	38.6





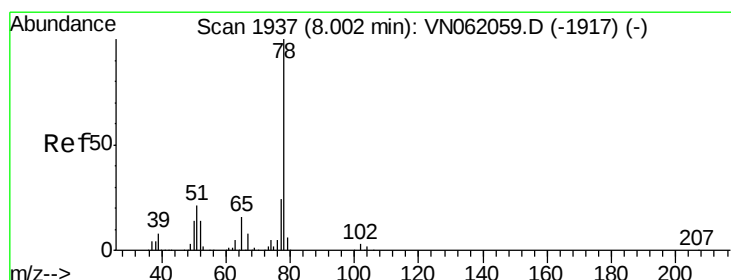
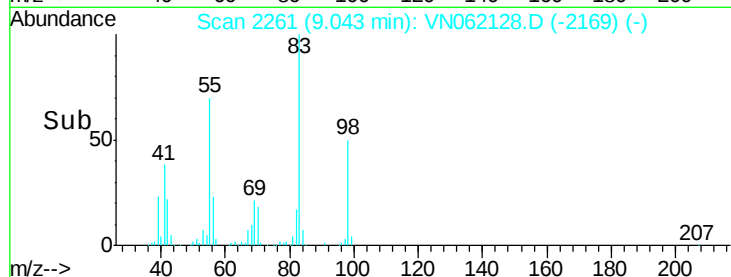
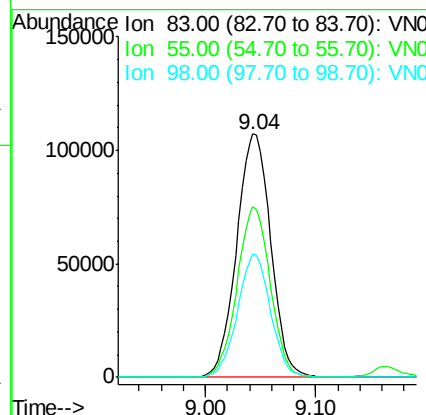
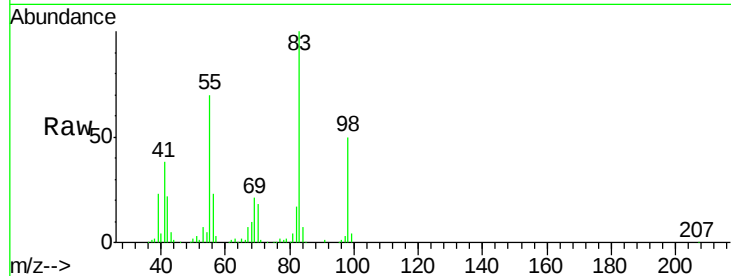
#39
Methvlcvclohexane
Concen: 46.630 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	230120		
55	70.3		57.0	85.6
98	50.4		39.0	58.6

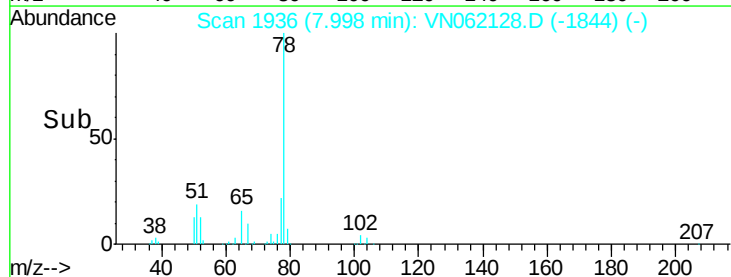
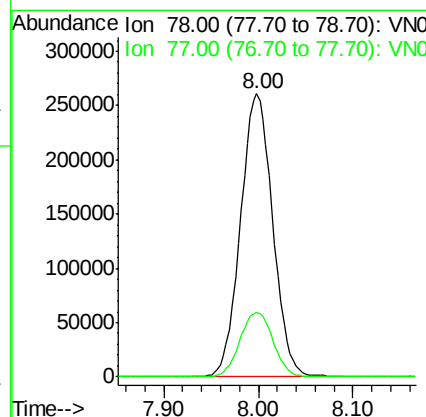
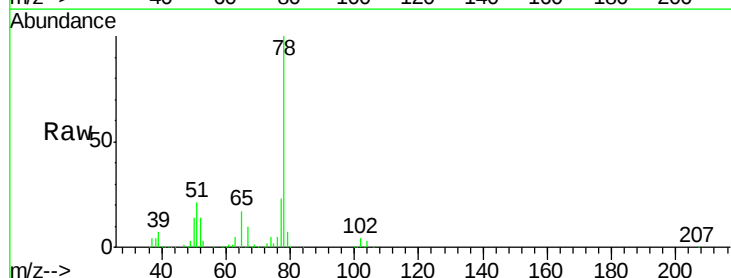
Manual Integrations
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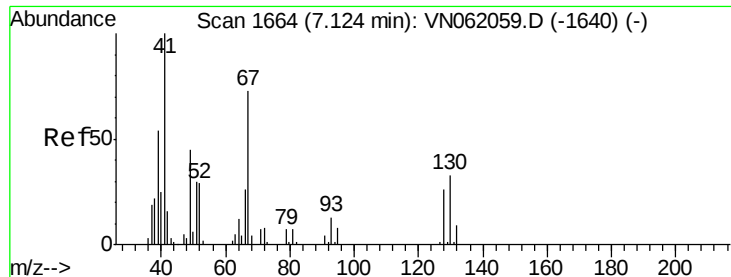
MMDadoda
6/29/2020 12:35:26 PM



#40
Benzene
Concen: 44.883 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	616170		
77	22.7		19.5	29.3





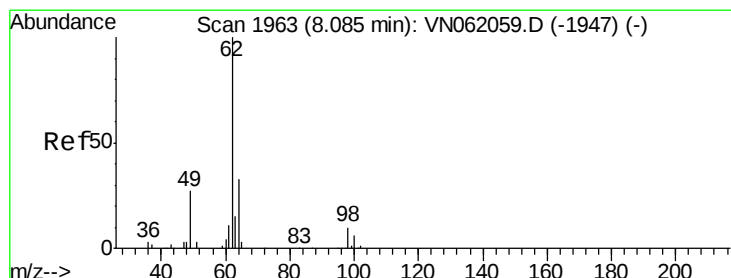
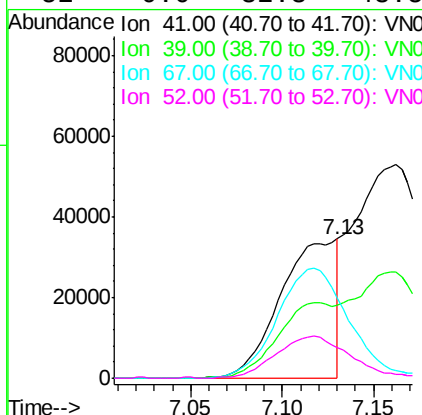
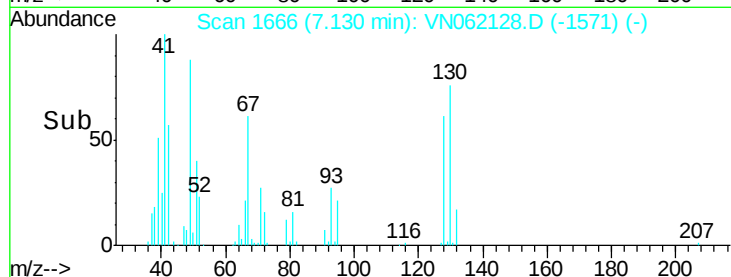
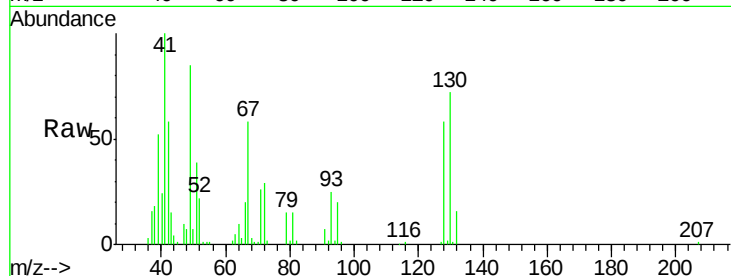
#41
Methacrylonitrile
Concen: 43.022 ug/l m
RT: 7.13 min Scan# 1666
Delta R.T. 0.01 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.2	66.2#
67	0.0	79.5	119.3#
52	0.0	32.3	48.5#

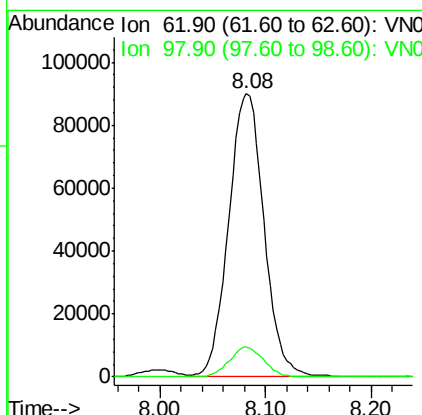
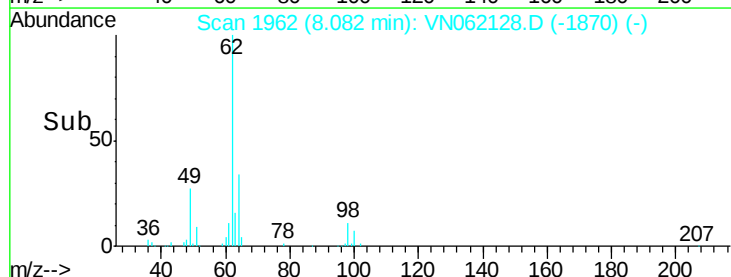
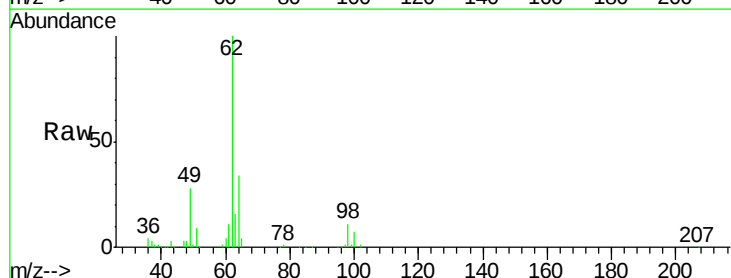
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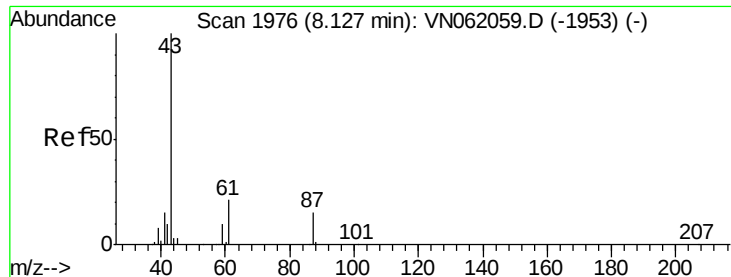
MMDadoda
6/29/2020 12:35:26 PM



#42
1,2-Dichloroethane
Concen: 44.931 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.8





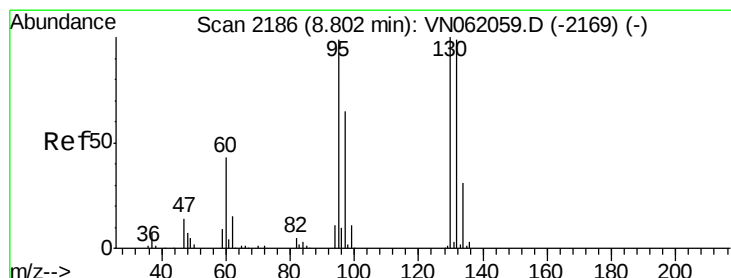
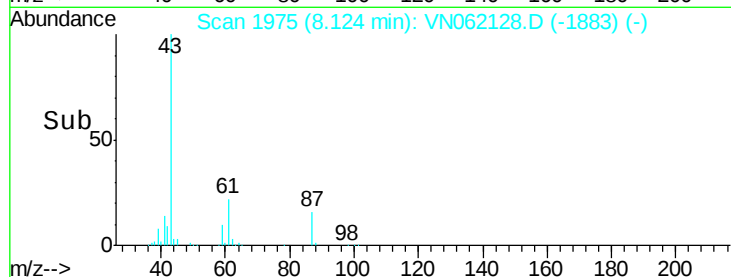
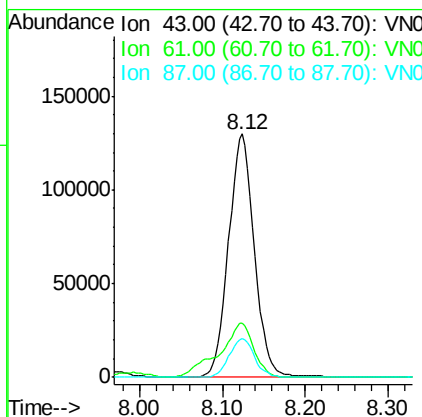
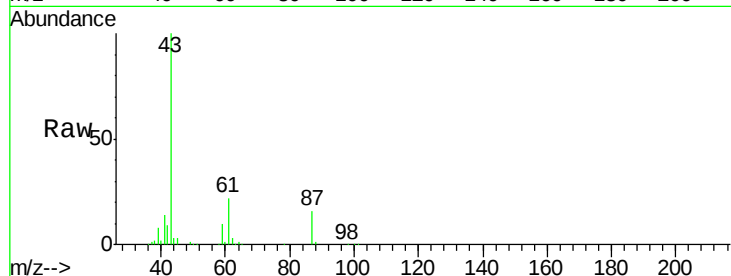
#43
Isopropyl Acetate
Concen: 45.976 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.7	17.2	25.8
87	15.8	12.1	18.1

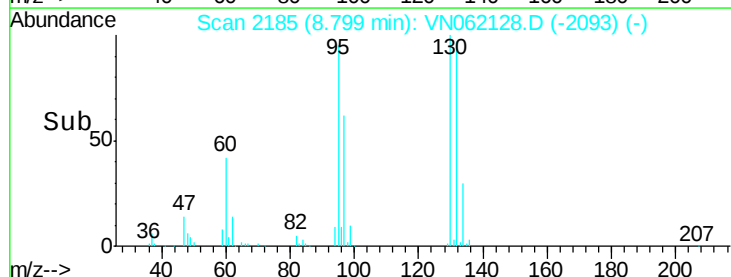
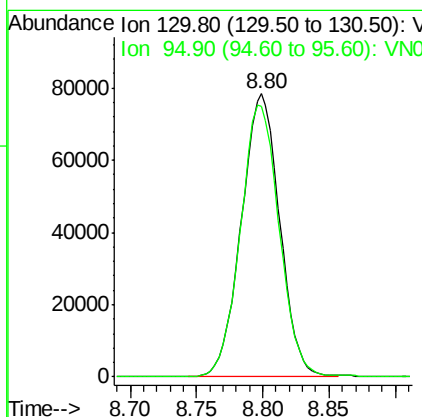
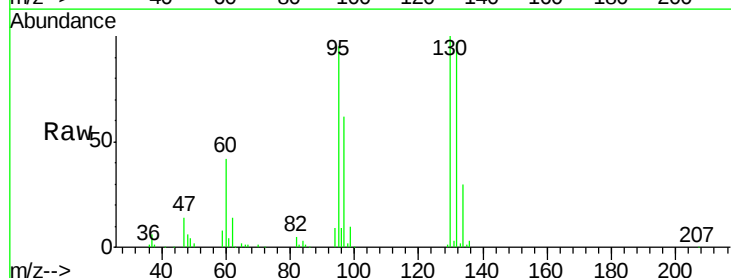
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#44
Trichloroethene
Concen: 45.595 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	197.8





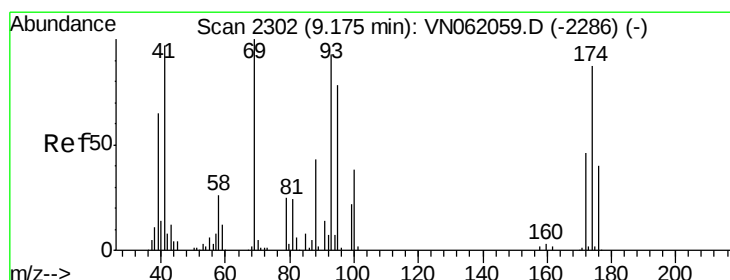
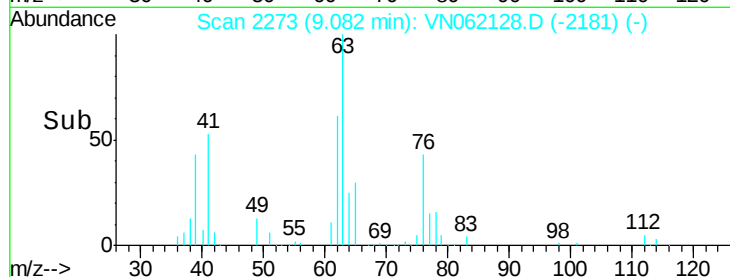
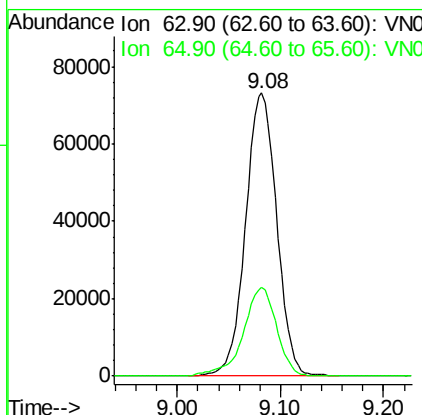
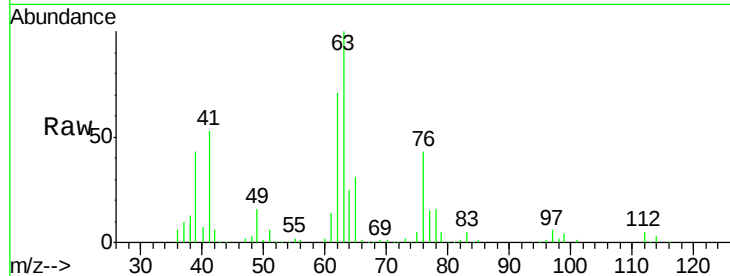
#45
 1,2-Dichloropropane
 Concen: 45.286 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN062128.D
 Acq: 26 Jun 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 153378
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.4

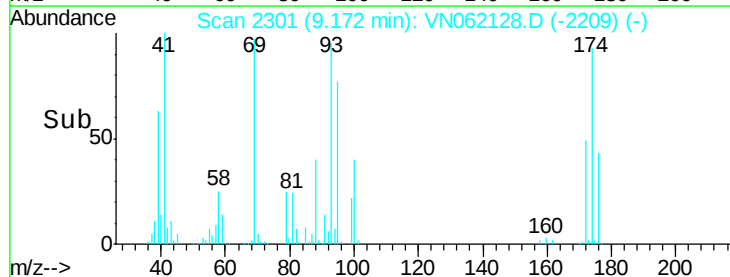
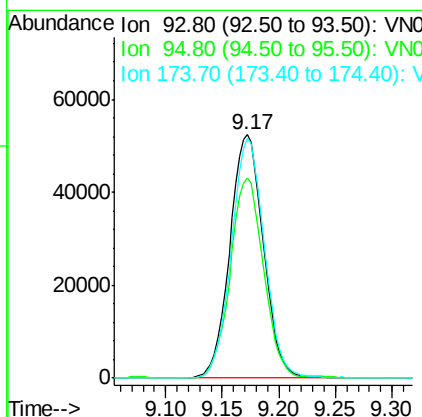
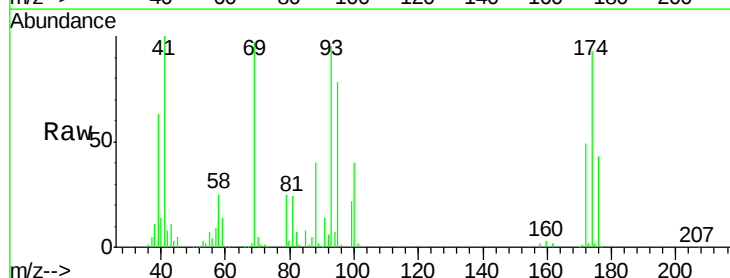
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#46
 Dibromomethane
 Concen: 47.052 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN062128.D
 Acq: 26 Jun 2020 9:51

Tgt Ion: 93 Resp: 108045
 Ion Ratio Lower Upper
 93 100
 95 81.8 67.0 100.6
 174 97.4 74.4 111.6





#47

Bromodichloromethane

Concen: 46.590 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062128.D

Acq: 26 Jun 2020 9:51

Instrument :

MSVOA_N

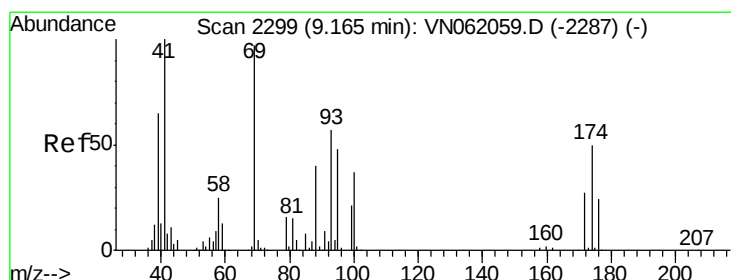
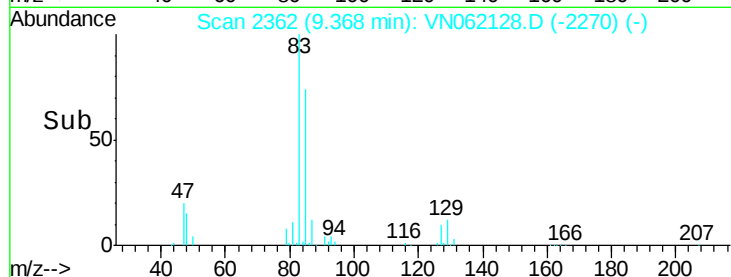
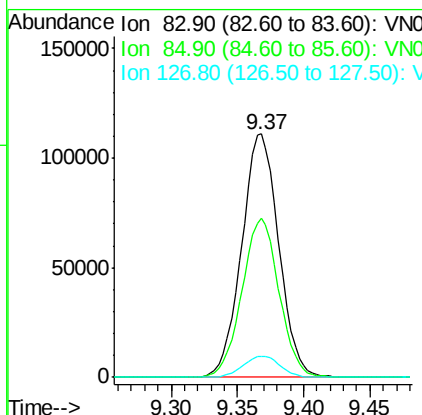
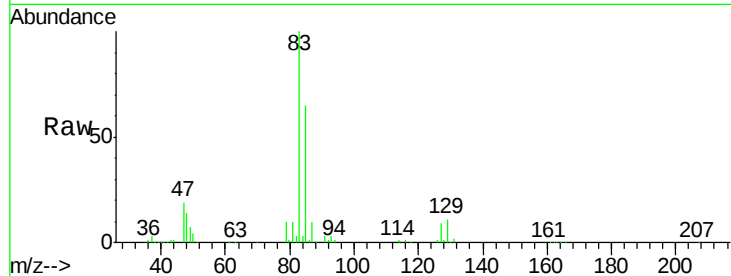
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	216018
Ion Ratio	Lower	Upper	
83	100		
85	65.2	50.3	75.5
127	8.6	6.9	10.3

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#48

Methyl methacrylate

Concen: 45.881 ug/l

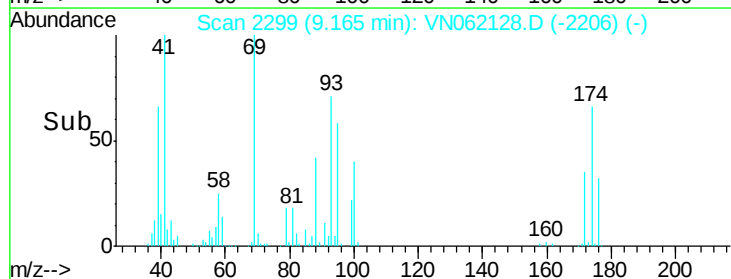
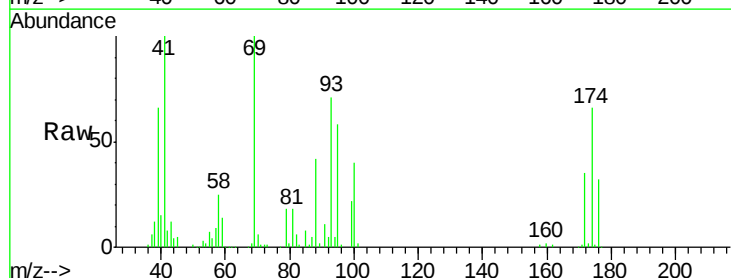
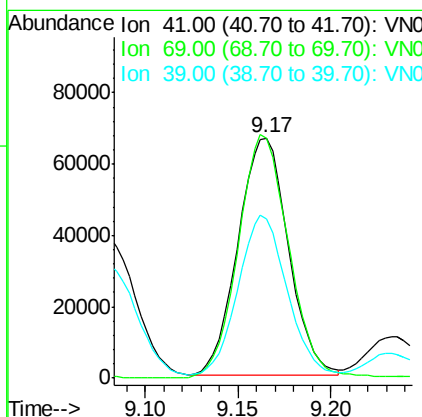
RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN062128.D

Acq: 26 Jun 2020 9:51

Tgt Ion:	41	Resp:	125076
Ion Ratio	Lower	Upper	
41	100		
69	103.7	80.7	121.1
39	65.2	54.5	81.7





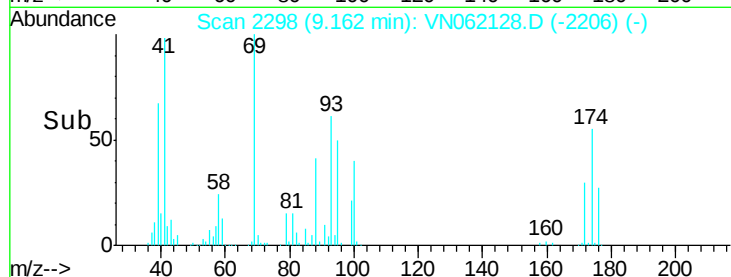
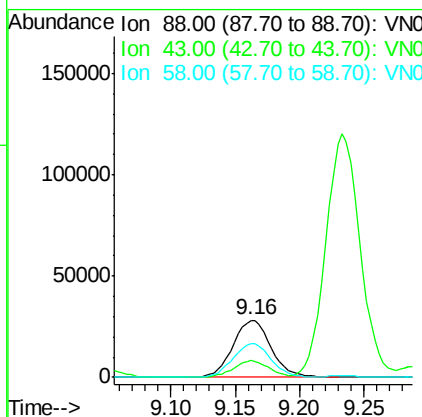
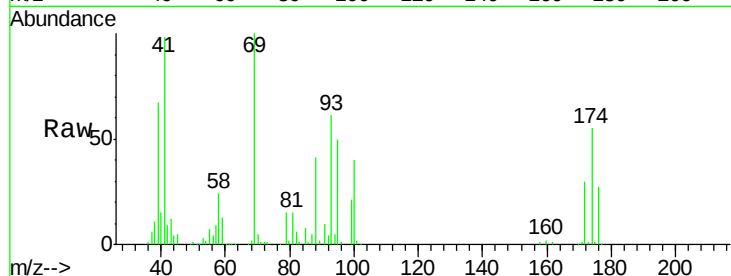
#49
1,4-Dioxane
Concen: 958.368 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.3	22.0	33.0
58	58.8	49.2	73.8

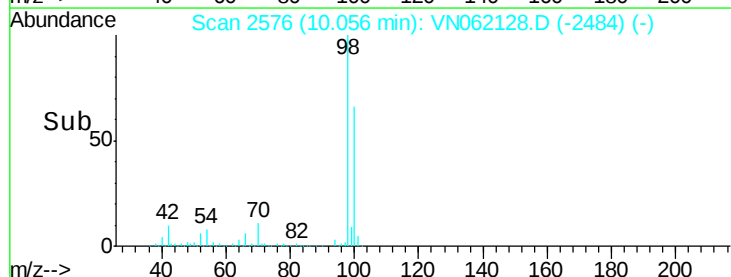
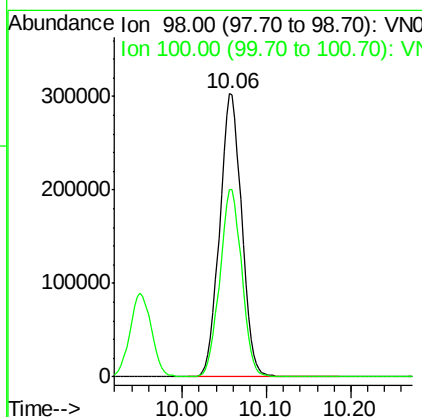
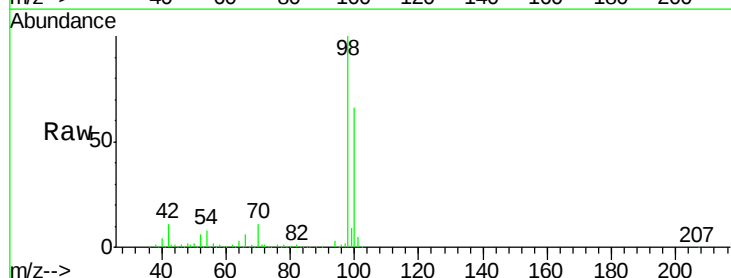
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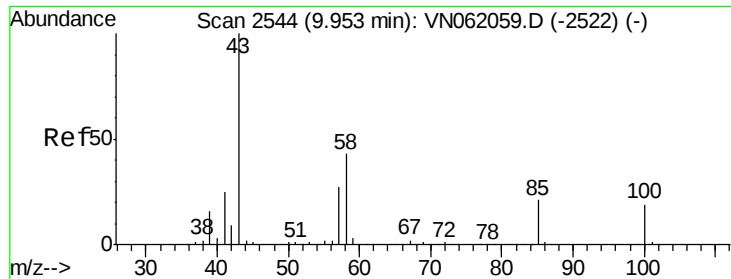
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#50
Toluene-d8
Concen: 47.863 ug/l
RT: 10.06 min Scan# 2576
Delta R.T. -0.00 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	51.2	76.8





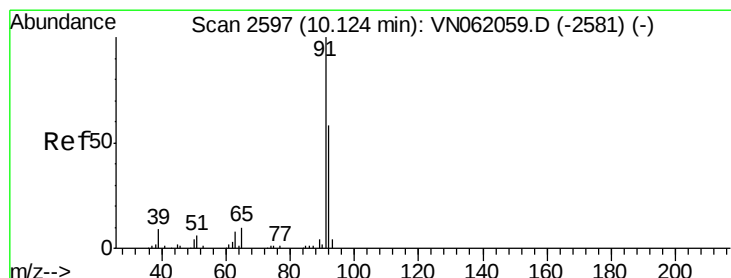
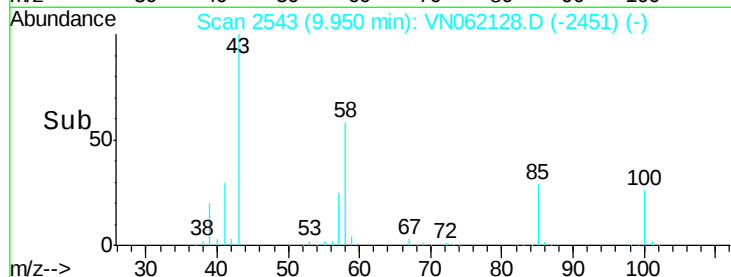
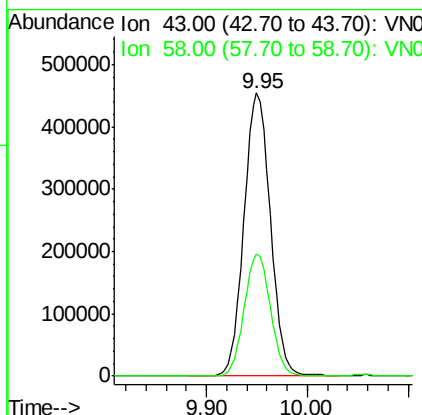
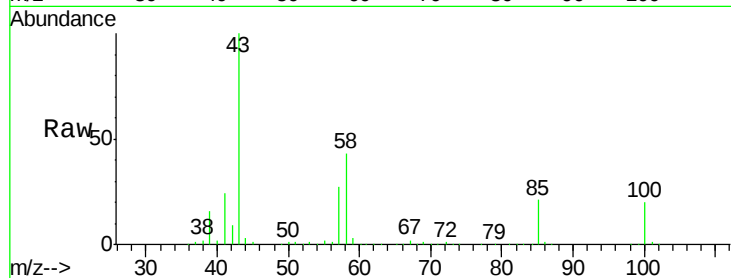
#51
4-Methyl-2-Pentanone
Concen: 231.150 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.0	34.2	51.2

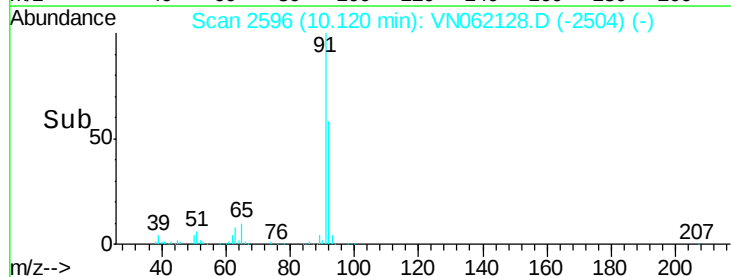
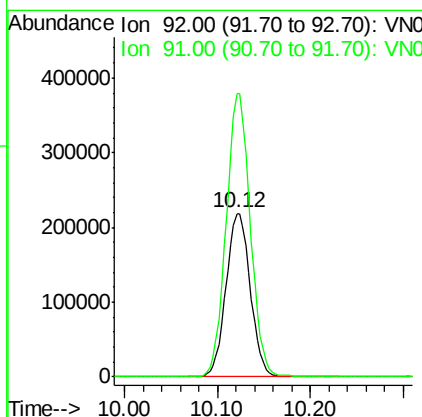
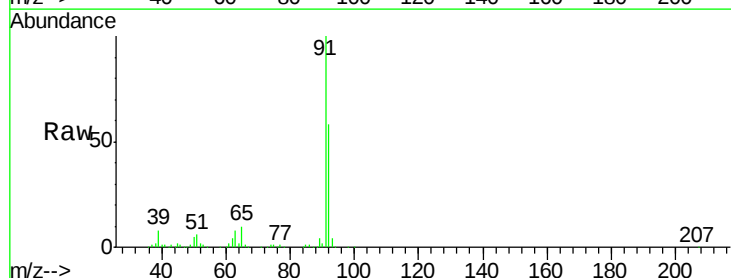
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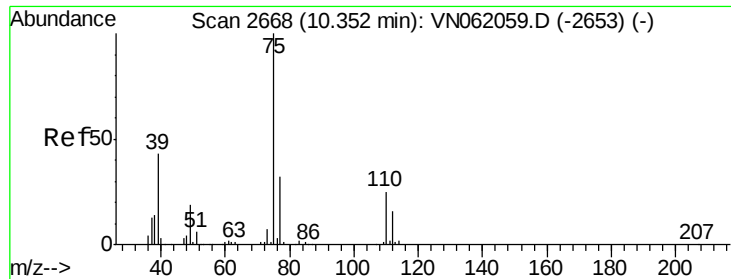
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#52
Toluene
Concen: 47.353 ug/l
RT: 10.12 min Scan# 2596
Delta R.T. -0.00 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.0	137.4	206.0





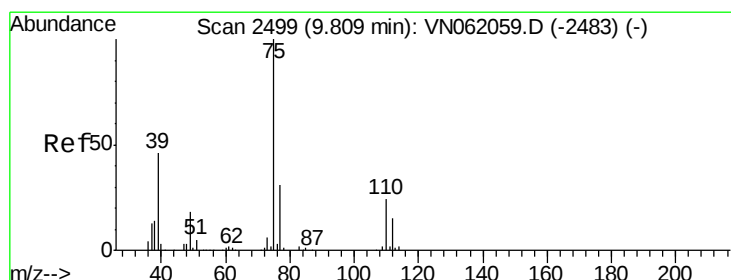
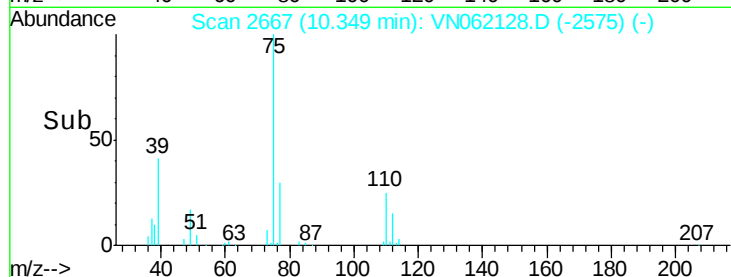
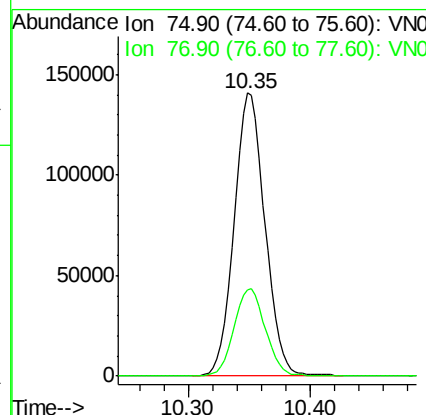
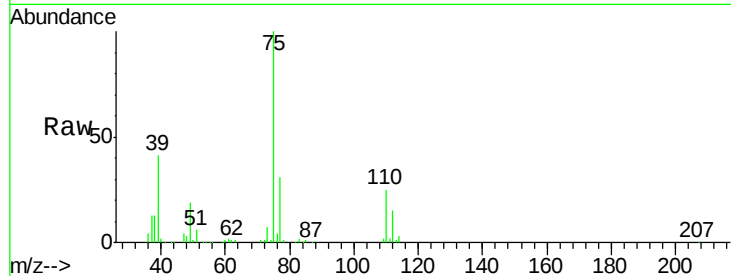
#53
 t-1,3-Dichloropropene
 Concen: 48.551 ug/l
 RT: 10.35 min Scan# 2667
 Delta R.T. -0.00 min
 Lab File: VN062128.D
 Acq: 26 Jun 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 247661
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.5 38.3

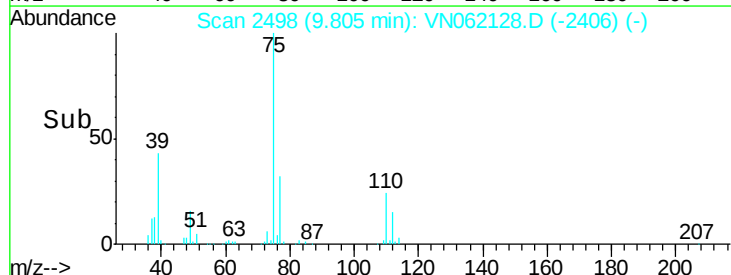
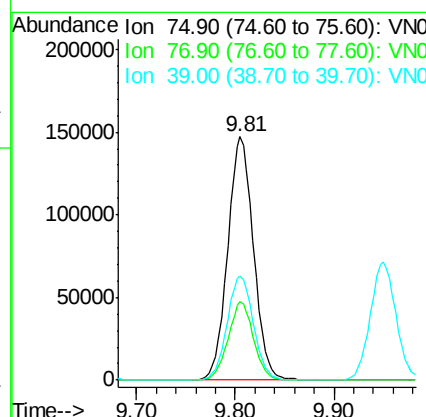
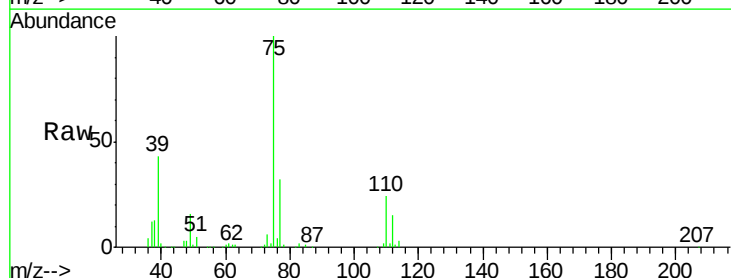
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#54
 cis-1,3-Dichloropropene
 Concen: 49.635 ug/l
 RT: 9.81 min Scan# 2498
 Delta R.T. -0.00 min
 Lab File: VN062128.D
 Acq: 26 Jun 2020 9:51

Tgt Ion: 75 Resp: 269557
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.0 37.6
 39 42.7 36.9 55.3





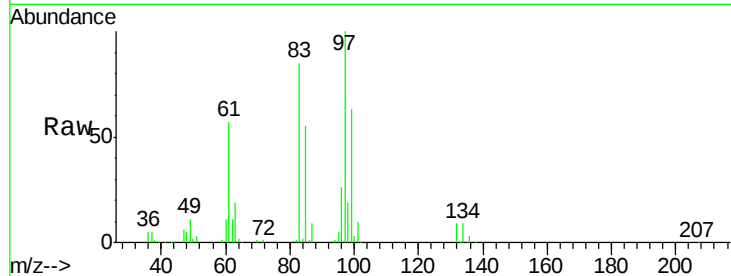
#55
 1,1,2-Trichloroethane
 Concen: 47.767 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062128.D
 Acq: 26 Jun 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	157281
Ion Ratio	Lower	Upper	
97	100		
83	85.0	68.2	102.2
85	55.4	43.2	64.8
99	62.7	48.5	72.7

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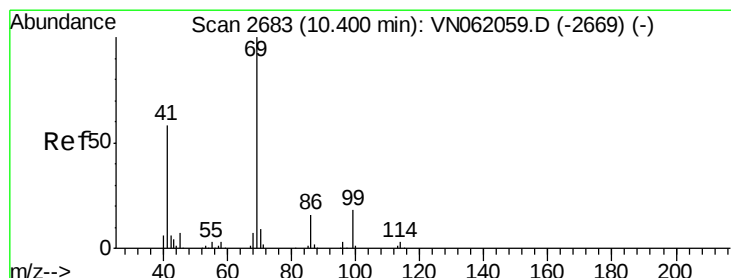
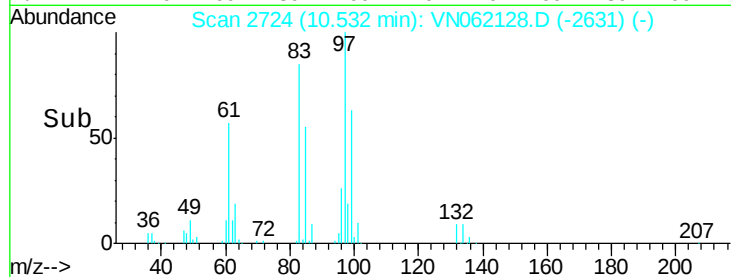
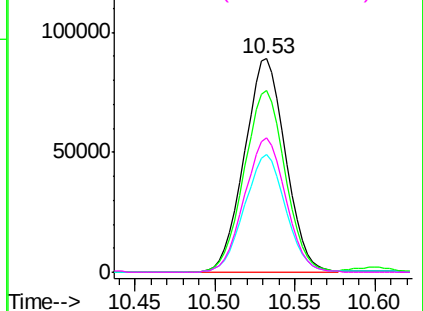


Abundance Ion 96.90 (96.60 to 97.60): VN062128.D (-2631) (-)

Ion 82.90 (82.60 to 83.60): VN062128.D (-2631) (-)

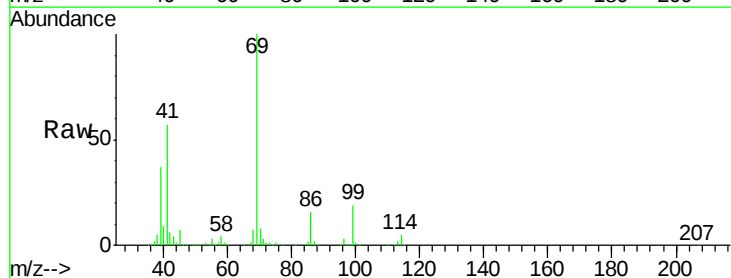
Ion 84.90 (84.60 to 85.60): VN062128.D (-2631) (-)

Ion 98.90 (98.60 to 99.60): VN062128.D (-2631) (-)



#56
 Ethyl methacrylate
 Concen: 50.675 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062128.D
 Acq: 26 Jun 2020 9:51

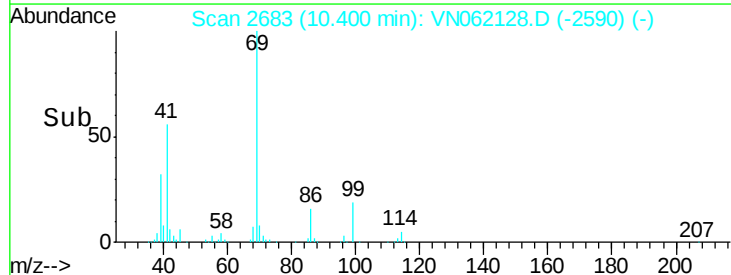
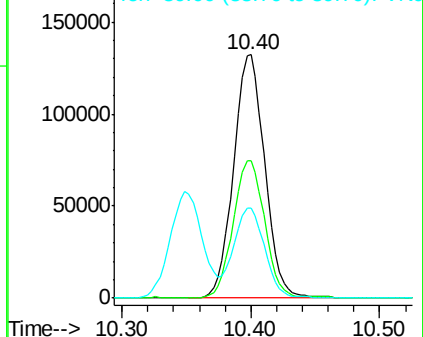
Tgt Ion:	69	Resp:	222677
Ion Ratio	Lower	Upper	
69	100		
41	56.7	46.6	70.0
39	36.8	31.0	46.4



Abundance Ion 69.00 (68.70 to 69.70): VN062128.D (-2590) (-)

Ion 41.00 (40.70 to 41.70): VN062128.D (-2590) (-)

Ion 39.00 (38.70 to 39.70): VN062128.D (-2590) (-)





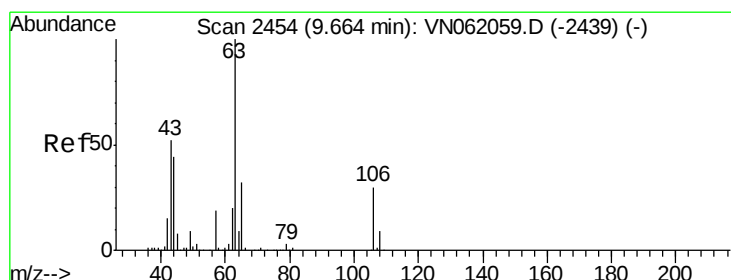
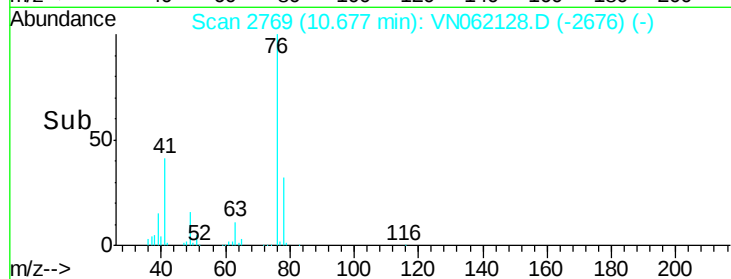
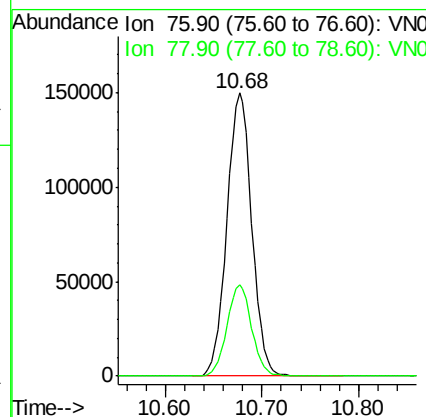
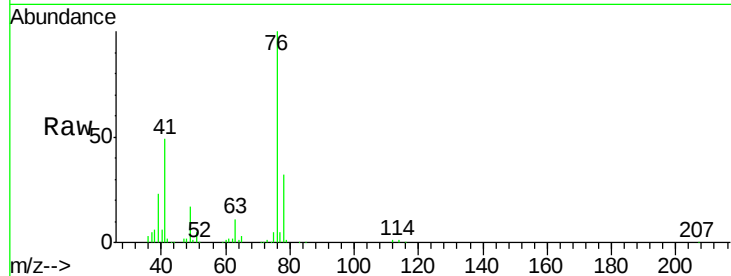
#57
 1,3-Dichloropropane
 Concen: 47.204 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062128.D
 Acq: 26 Jun 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

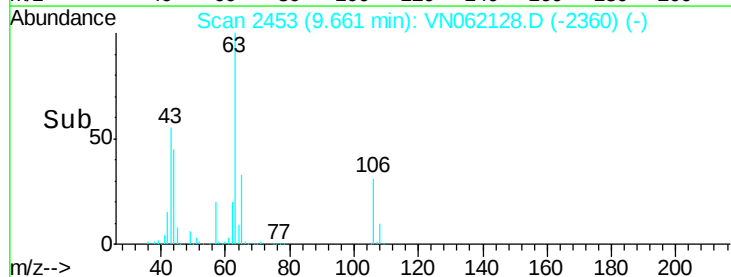
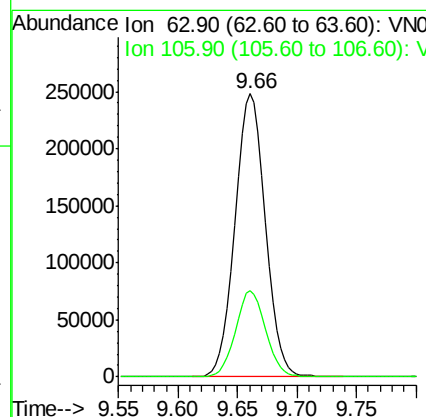
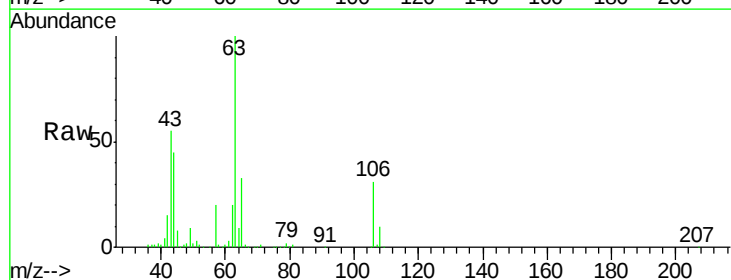
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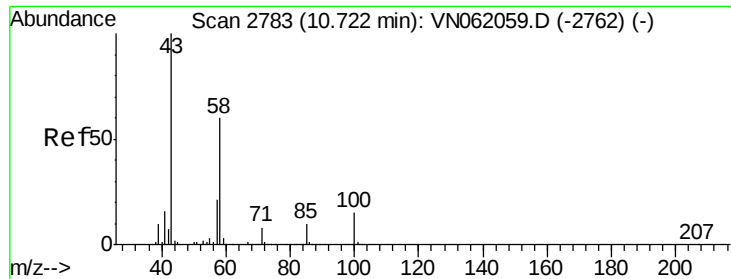
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 6/29/2020 12:35:26 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 235.639 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN062128.D
 Acq: 26 Jun 2020 9:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.2	23.2	34.8





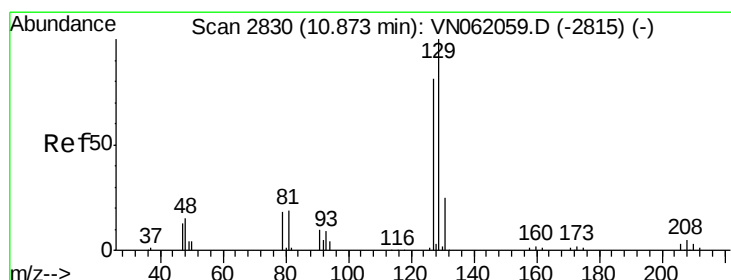
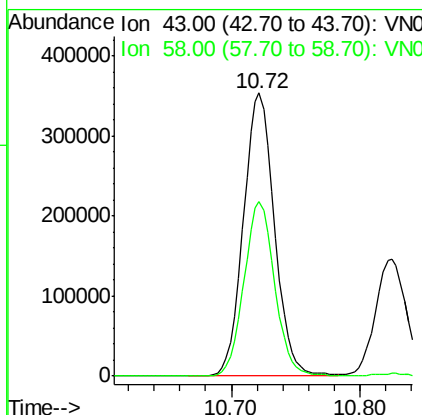
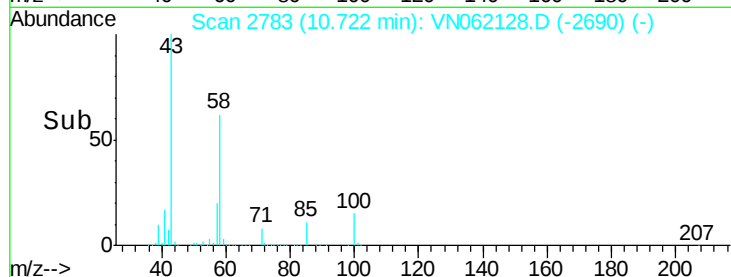
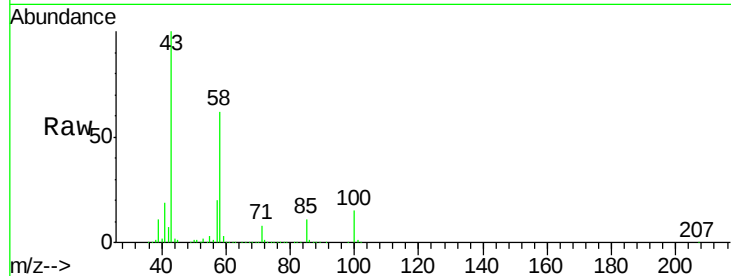
#59
2-Hexanone
Concen: 230.996 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	592519
Ion Ratio	100	Lower	Upper
43	100		
58	61.0	29.5	88.5

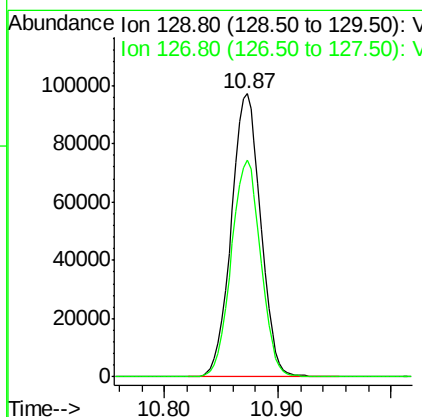
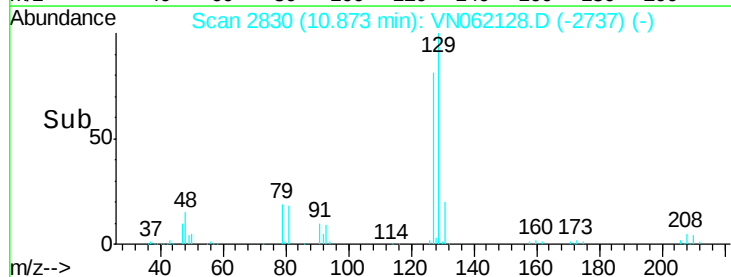
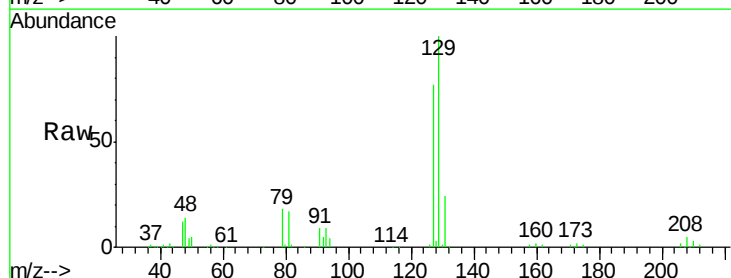
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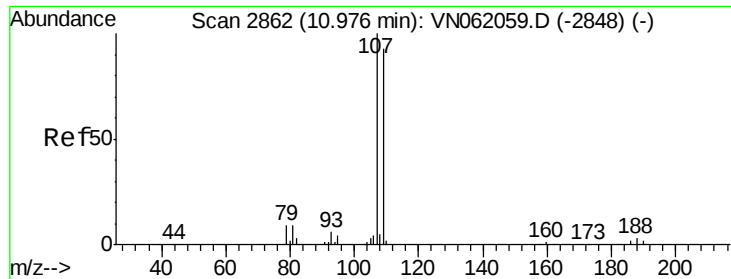
MMDadoda
6/29/2020 12:35:26 PM



#60
Dibromochloromethane
Concen: 50.379 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Tgt Ion	129	Resp	175621
Ion Ratio	100	Lower	Upper
129	100		
127	76.8	39.5	118.5





#61

1,2-Dibromoethane

Concen: 48.213 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN062128.D

Acq: 26 Jun 2020 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 163118

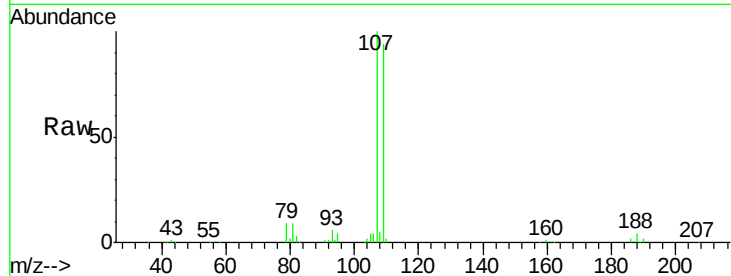
Ion Ratio Lower Upper

107 100

109 93.2 75.0 112.6

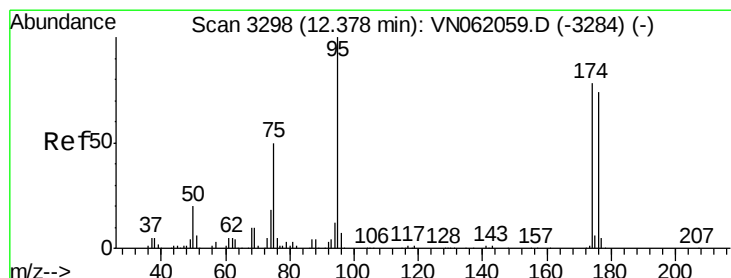
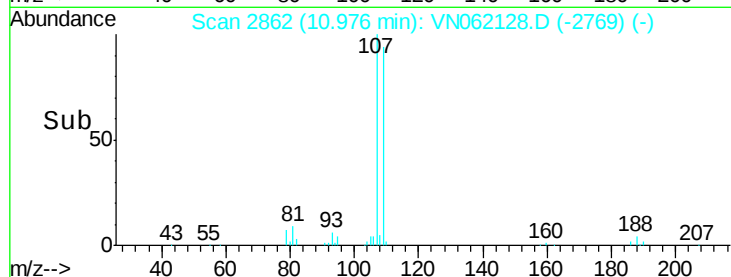
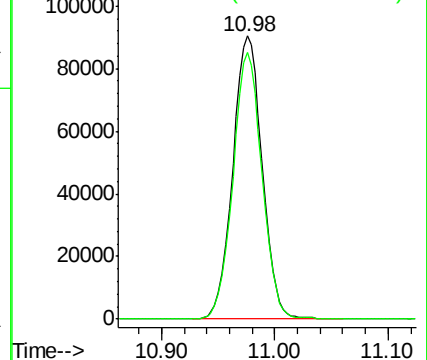
Manual Integrations
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6/29/2020 12:35:26 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.762 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN062128.D

Acq: 26 Jun 2020 9:51

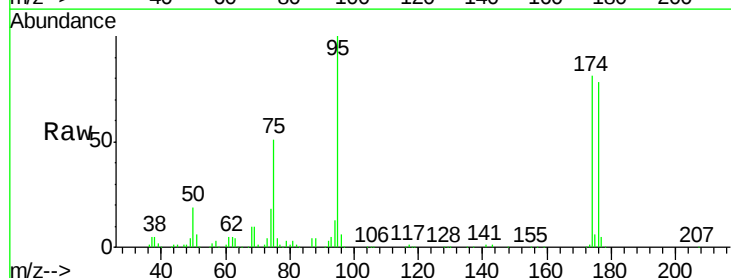
Tgt Ion: 95 Resp: 189317

Ion Ratio Lower Upper

95 100

174 81.4 0.0 154.8

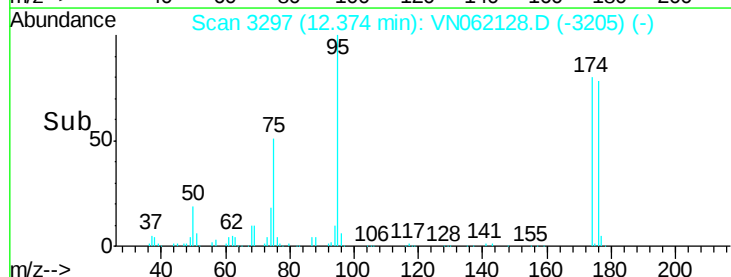
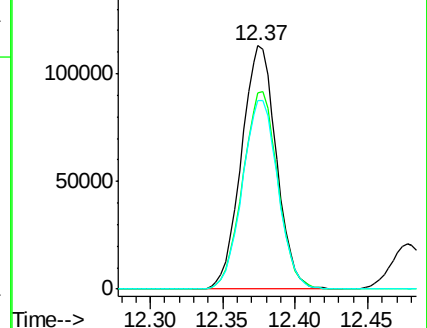
176 79.1 0.0 147.4

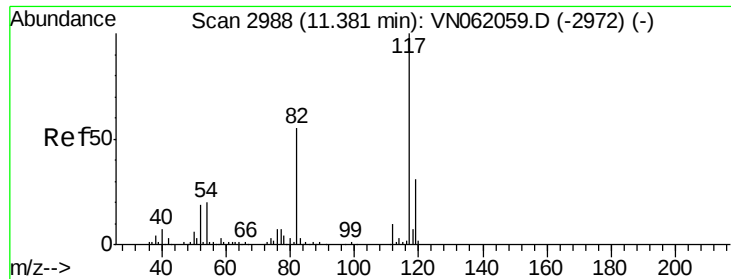


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





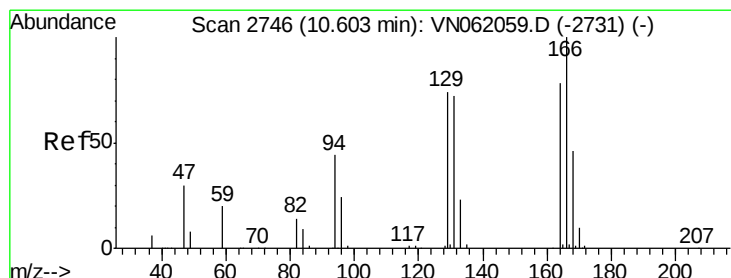
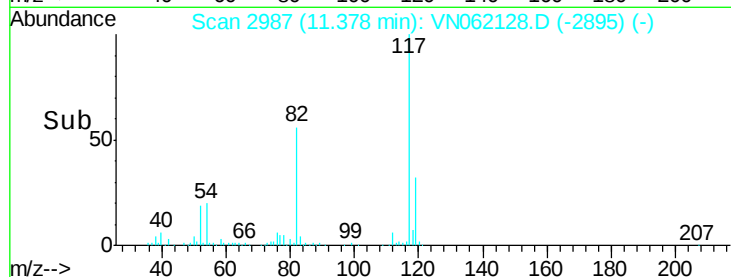
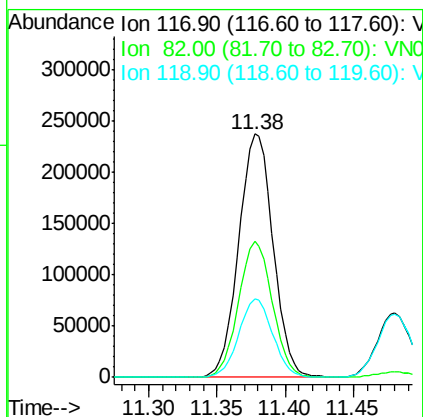
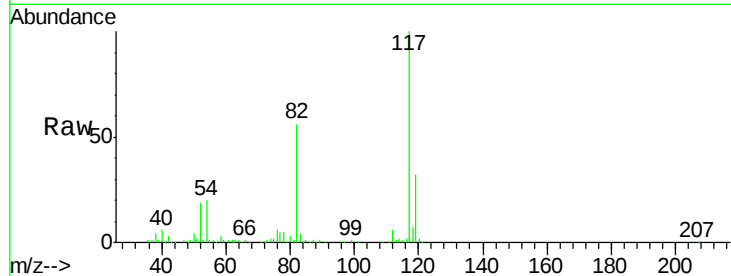
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	416913		
82	55.7	43.8	65.8	
119	32.3	25.2	37.8	

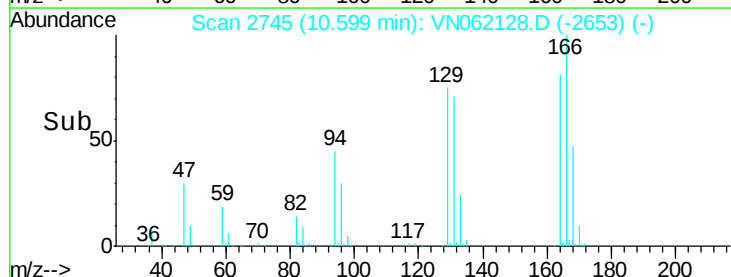
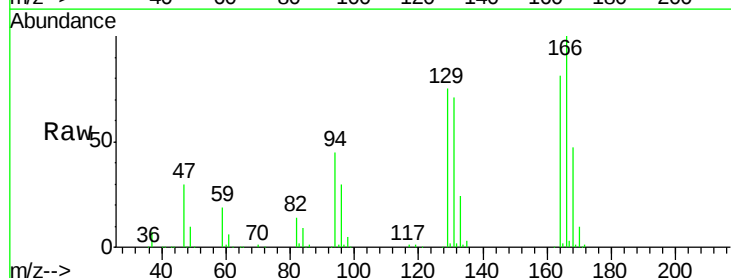
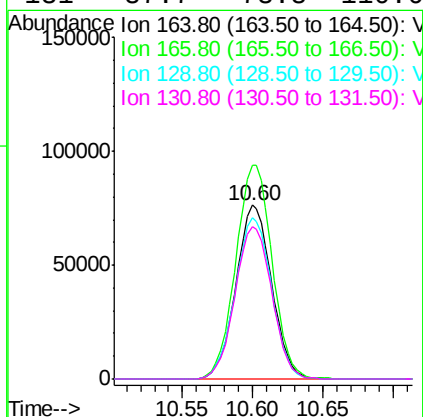
Manual Integrations
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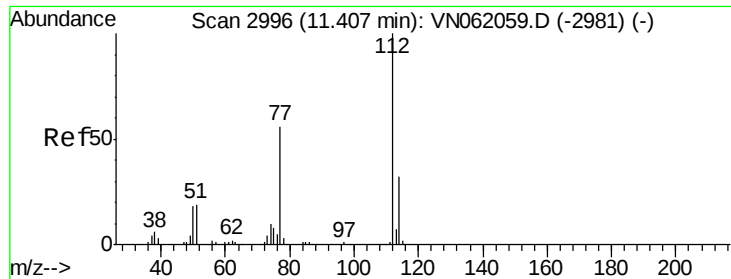
MMDadoda
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#64
Tetrachloroethene
Concen: 47.690 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	135817		
166	123.1	102.9	154.3	
129	92.8	75.8	113.8	
131	87.7	73.8	110.6	





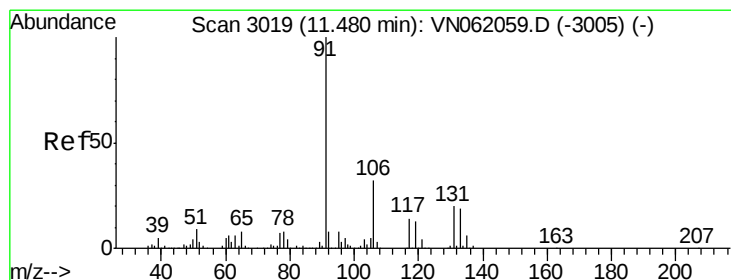
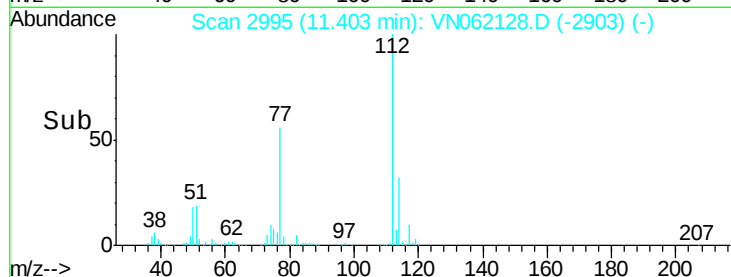
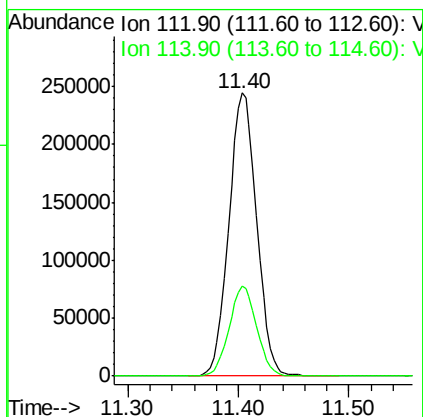
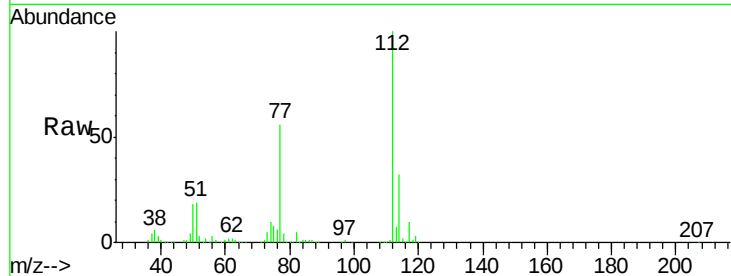
#65
Chlorobenzene
Concen: 46.579 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 426454
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.8

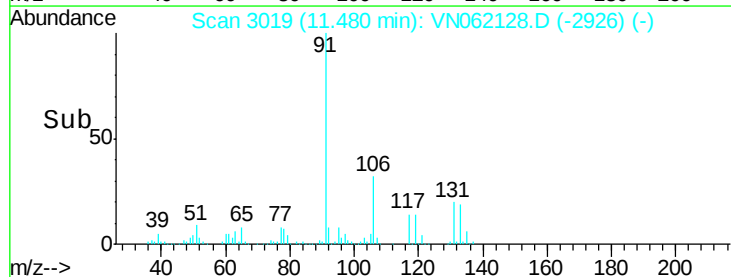
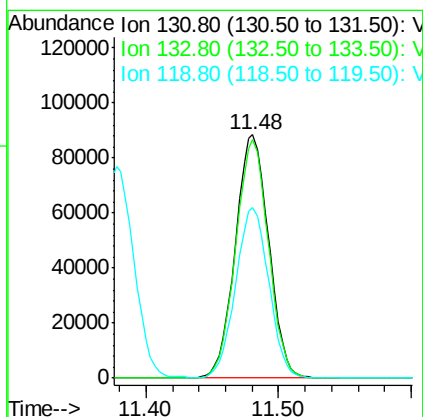
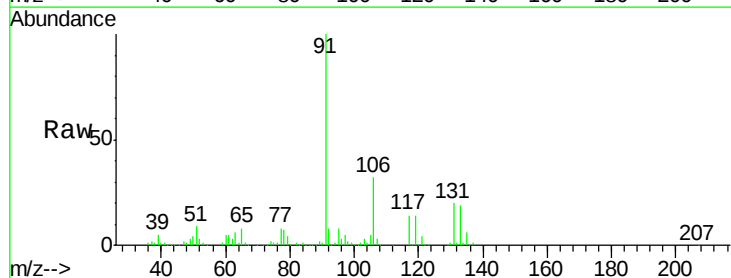
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.843 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Tgt Ion:131 Resp: 154631
Ion Ratio Lower Upper
131 100
133 96.1 47.6 142.9
119 69.5 34.4 103.3





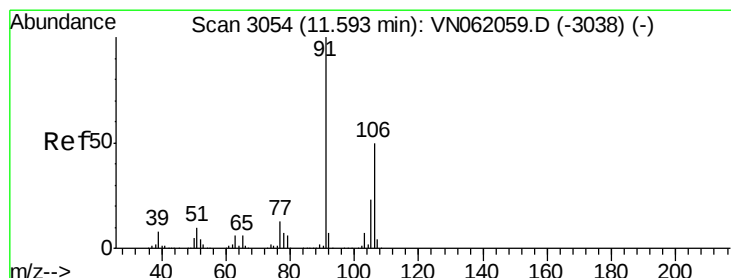
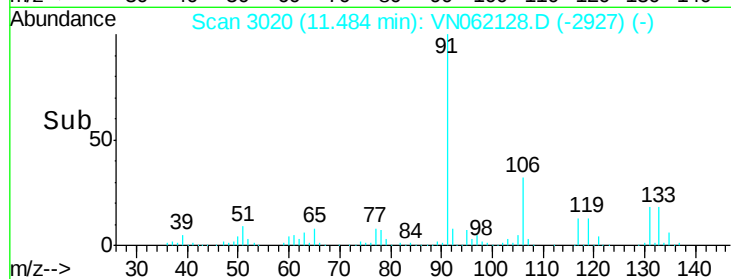
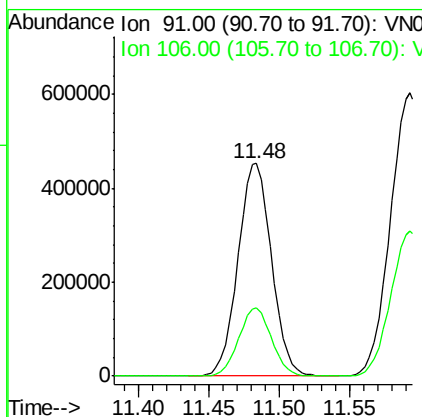
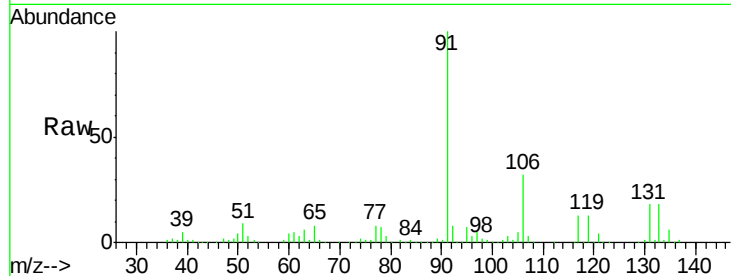
#67
Ethyl Benzene
Concen: 48.839 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 755165
Ion Ratio Lower Upper
91 100
106 31.9 25.3 37.9

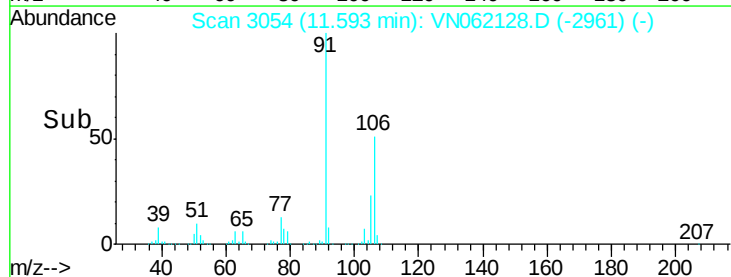
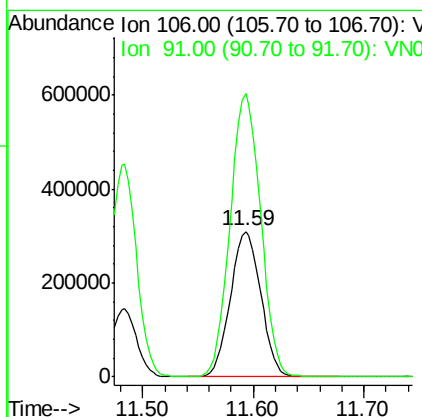
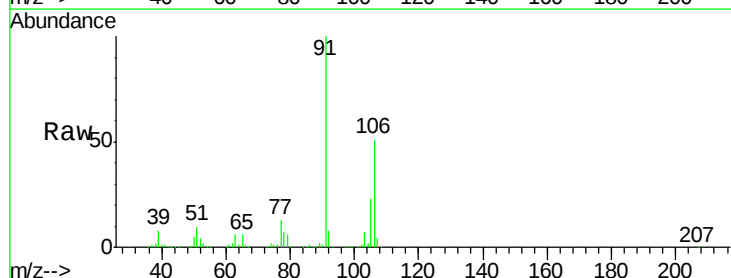
Manual Integrations
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#68
m/p-Xylenes
Concen: 98.910 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Tgt Ion: 106 Resp: 591546
Ion Ratio Lower Upper
106 100
91 195.9 157.8 236.8





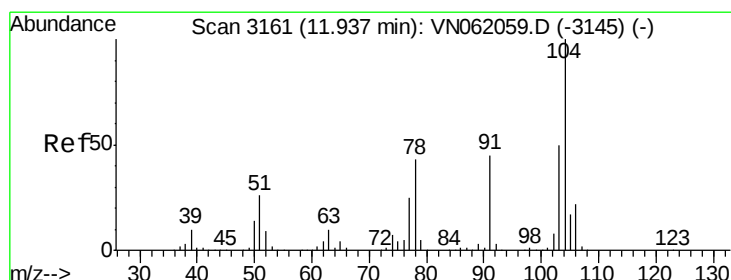
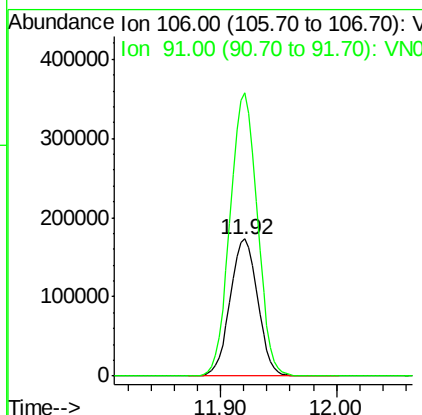
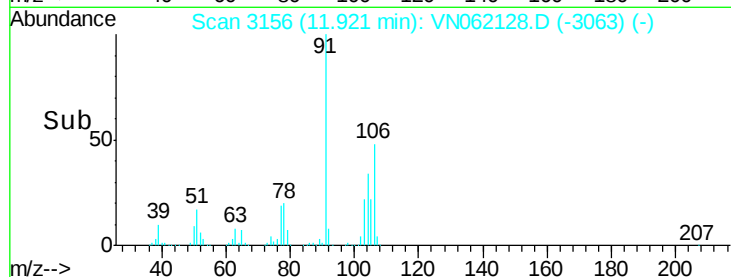
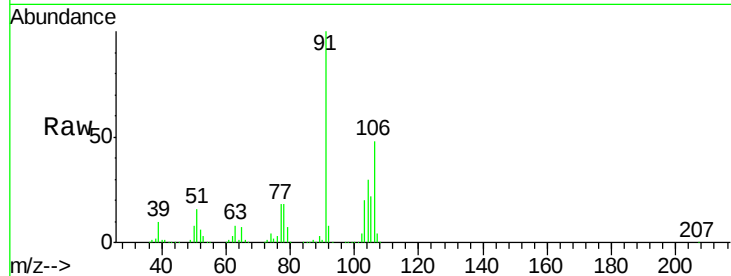
#69
o-Xylene
Concen: 50.573 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 285373
Ion Ratio Lower Upper
106 100
91 204.8 104.0 311.9

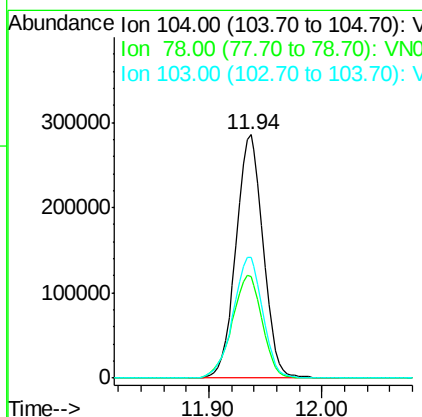
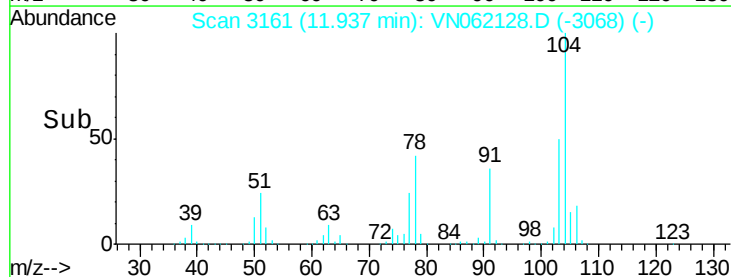
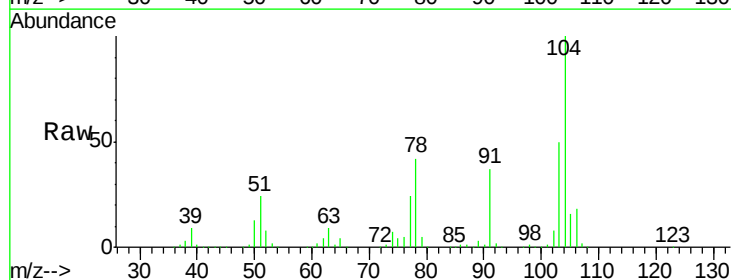
Manual Integrations
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#70
Styrene
Concen: 50.803 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Tgt Ion:104 Resp: 478095
Ion Ratio Lower Upper
104 100
78 47.0 37.7 56.5
103 54.0 43.0 64.6





#71

Bromoform

Concen: 51.423 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062128.D

Acq: 26 Jun 2020 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 115749

Ion Ratio Lower Upper

173 100

175 48.1 24.7 74.1

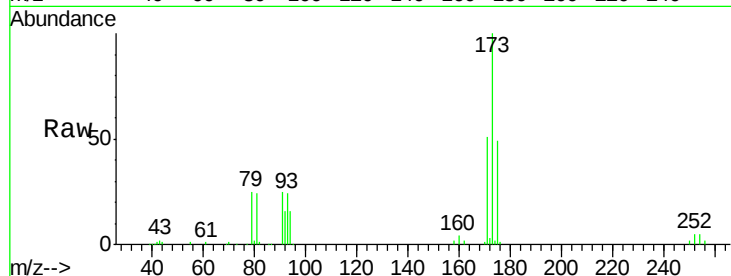
254 0.0 0.0 0.0

Manual Integrations

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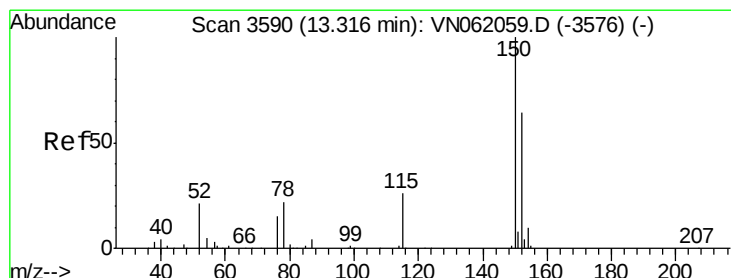
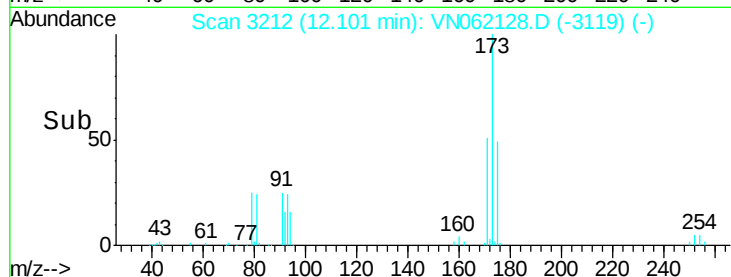
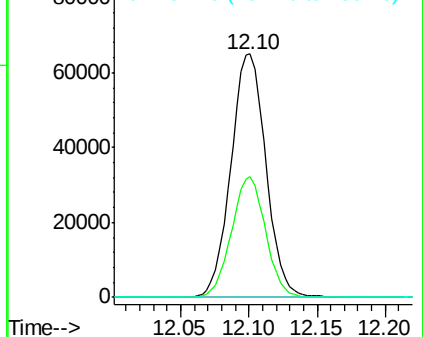
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Abundance Ion 172.70 (172.40 to 173.40): V

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# 3590

Delta R.T. -0.00 min

Lab File: VN062128.D

Acq: 26 Jun 2020 9:51

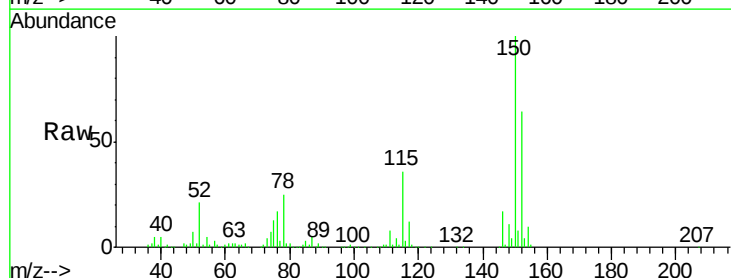
Tgt Ion:152 Resp: 205657

Ion Ratio Lower Upper

152 100

115 56.6 29.5 88.5

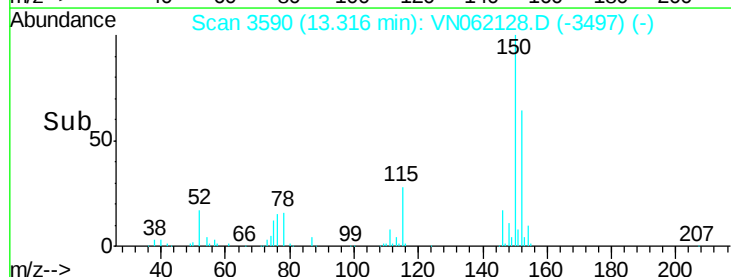
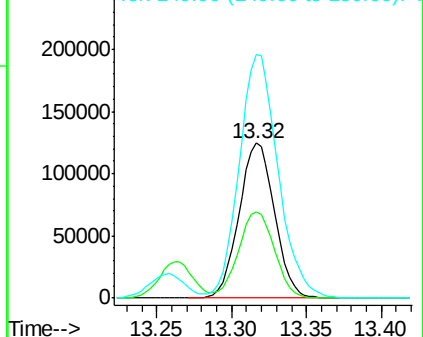
150 172.5 0.0 351.4

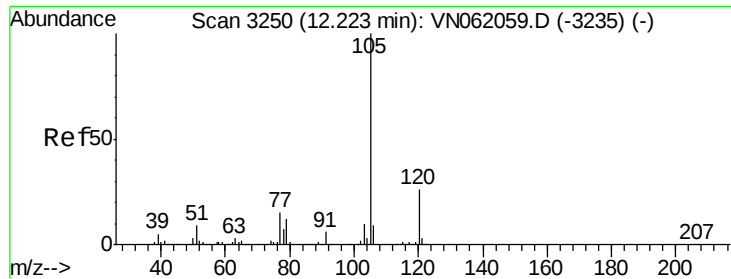


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.607 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062128.D

Acq: 26 Jun 2020 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 741965

Ion Ratio Lower Upper

105 100

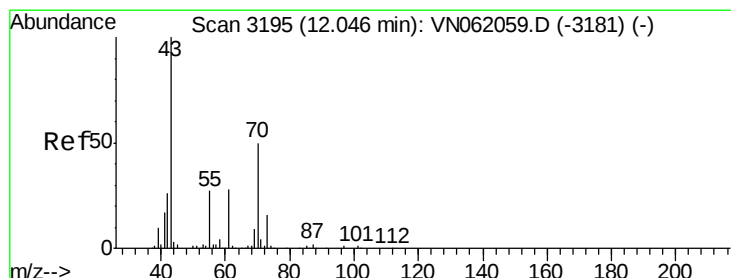
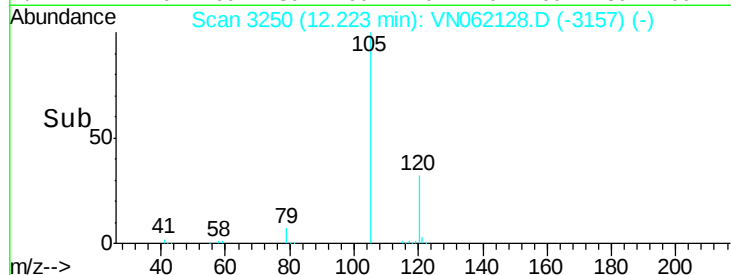
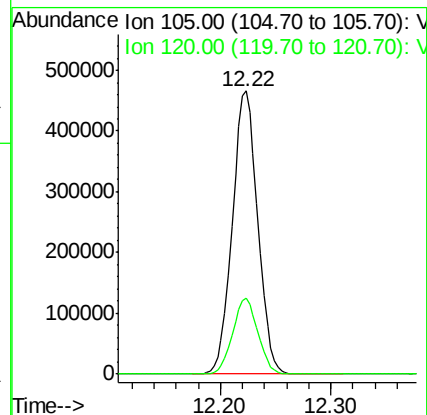
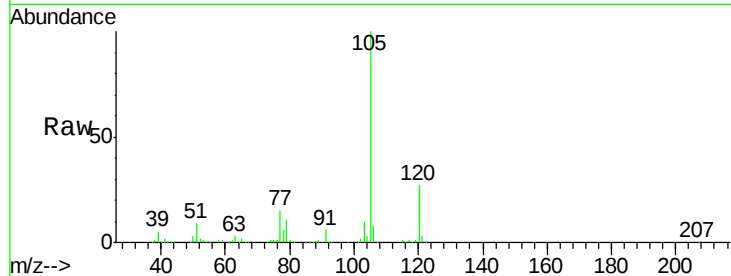
120 26.5 13.2 39.6

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#74

N-ethyl acetate

Concen: 43.458 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN062128.D

Acq: 26 Jun 2020 9:51

Tgt Ion: 43 Resp: 251923

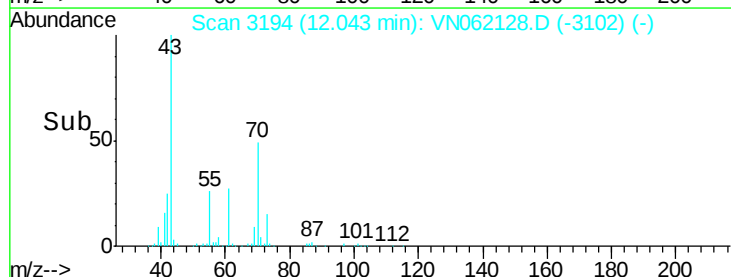
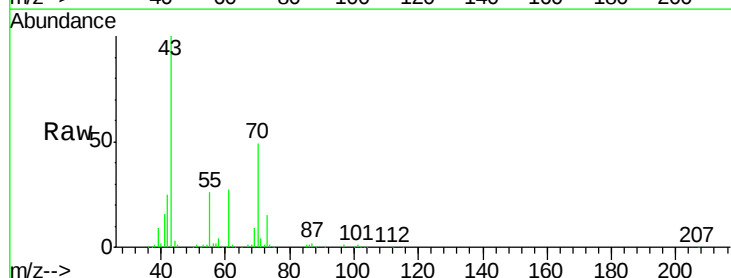
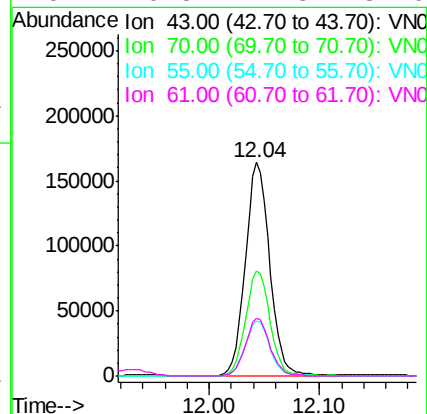
Ion Ratio Lower Upper

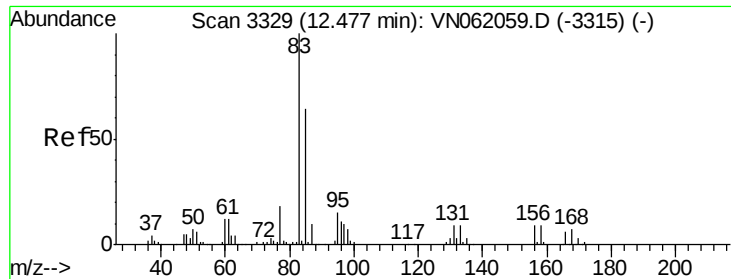
43 100

70 49.1 39.4 59.2

55 26.2 21.7 32.5

61 26.8 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 41.856 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062128.D

Acq: 26 Jun 2020 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 221738

Ion Ratio Lower Upper

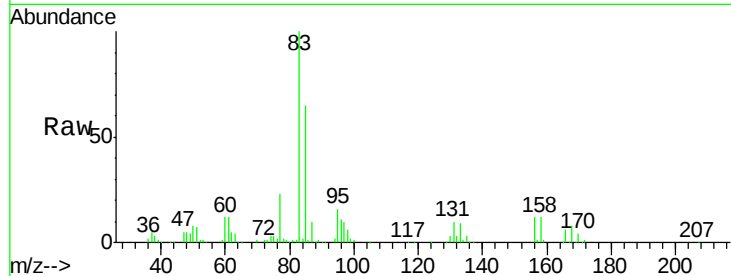
83 100

131 10.3 4.8 14.4

85 64.6 32.4 97.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN062128.D (-3236) (-)

Ion 130.80 (130.50 to 131.50): VN062128.D (-3236) (-)

Ion 84.90 (84.60 to 85.60): VN062128.D (-3236) (-)

12.48

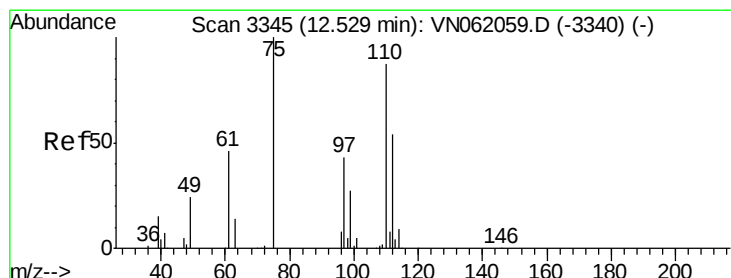
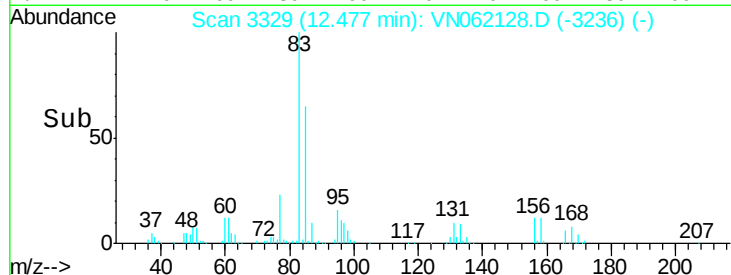
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 40.205 ug/l m

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN062128.D

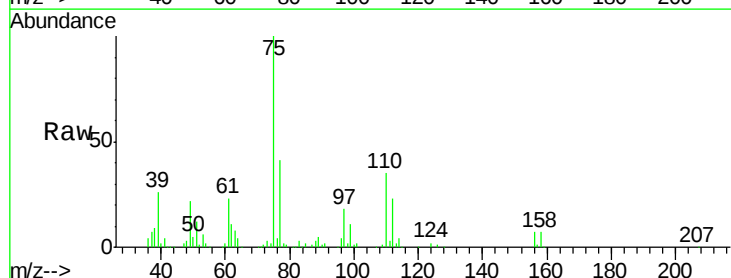
Acq: 26 Jun 2020 9:51

Tgt Ion: 75 Resp: 194644

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062128.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN062128.D (-3252) (-)

200000

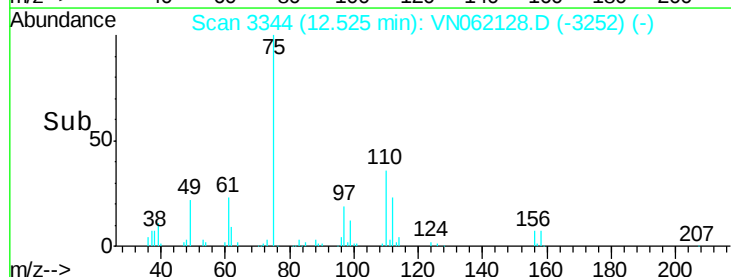
150000

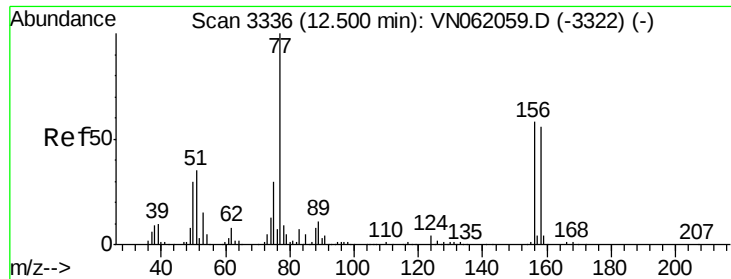
100000

50000

0

Time-->





#77

Bromobenzene

Concen: 45.870 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062128.D

Acq: 26 Jun 2020 9:51

Instrument :

MSVOA_N

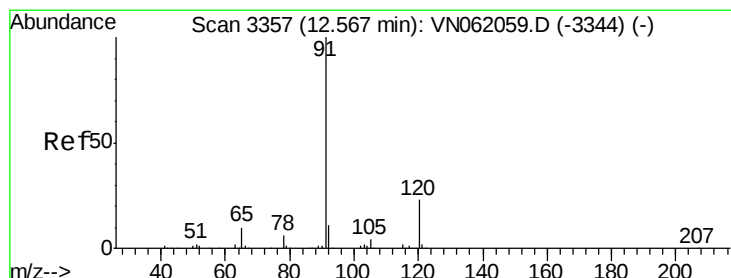
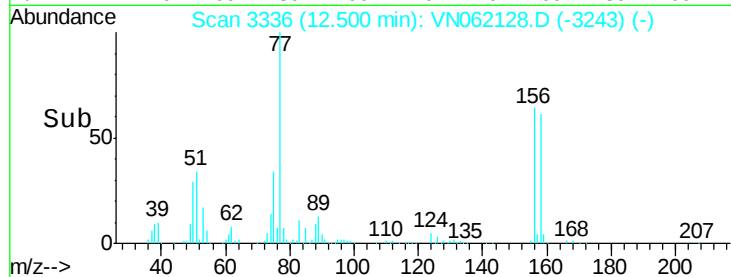
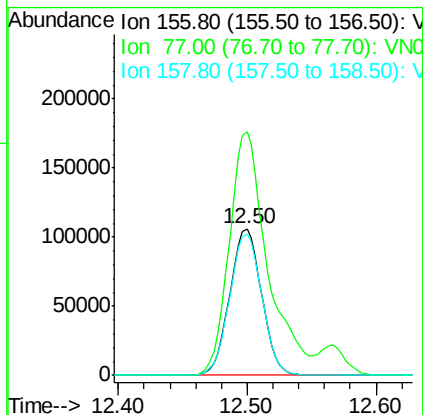
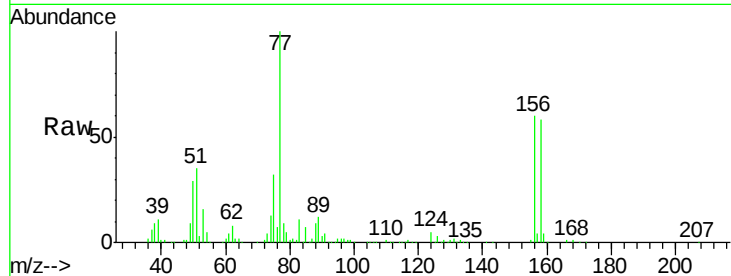
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	201.1	104.6	313.8
158	98.1	48.0	144.0

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#78

n-propylbenzene

Concen: 46.647 ug/l

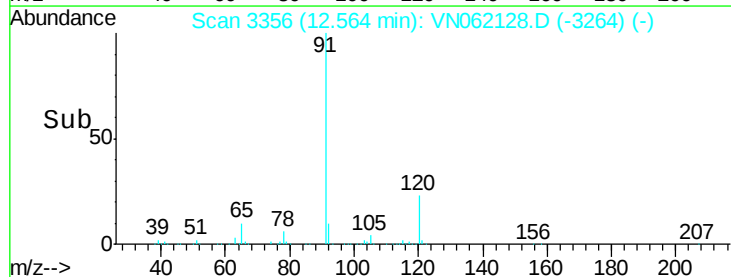
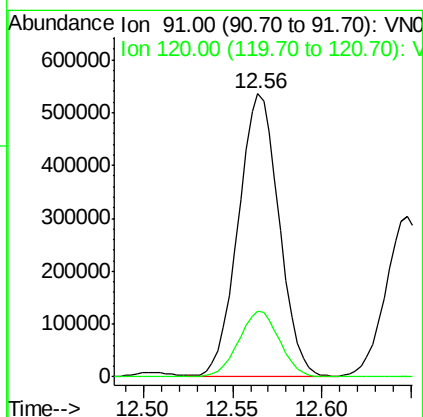
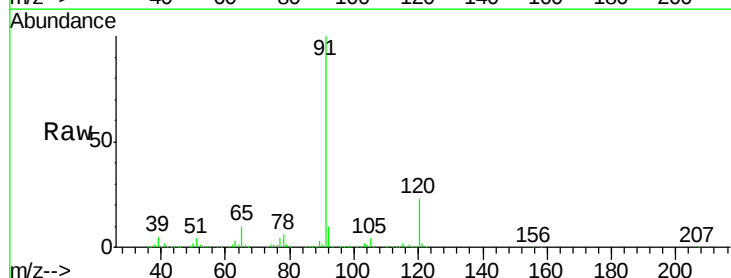
RT: 12.56 min Scan# 3356

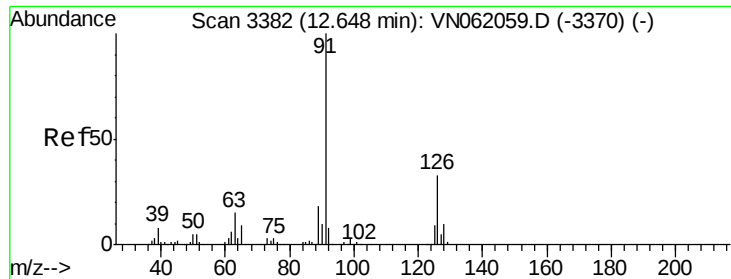
Delta R.T. -0.00 min

Lab File: VN062128.D

Acq: 26 Jun 2020 9:51

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.4	34.1





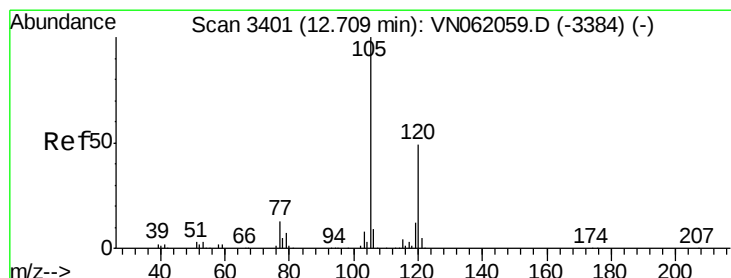
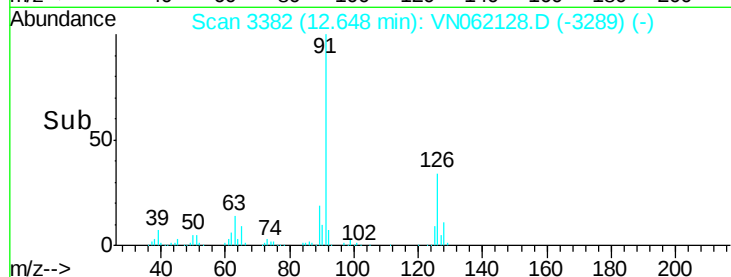
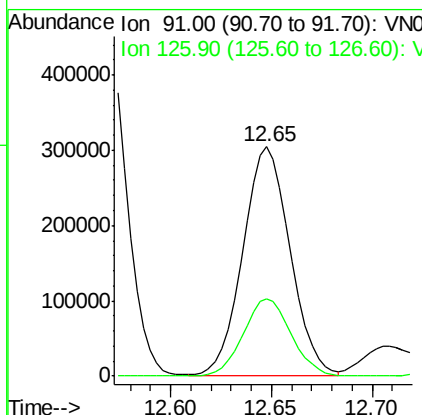
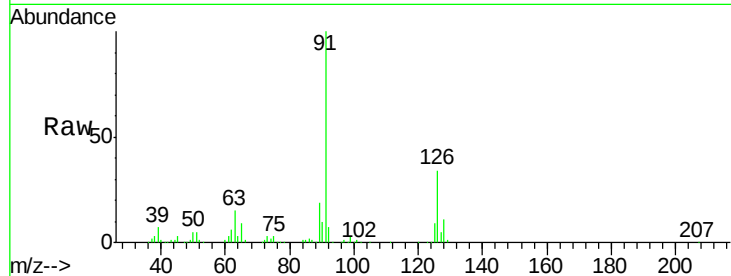
#79
 2-Chlorotoluene
 Concen: 45.071 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN062128.D
 Acq: 26 Jun 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 496167
 Ion Ratio Lower Upper
 91 100
 126 34.5 16.9 50.7

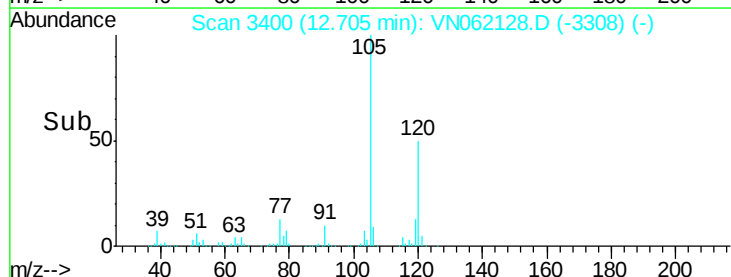
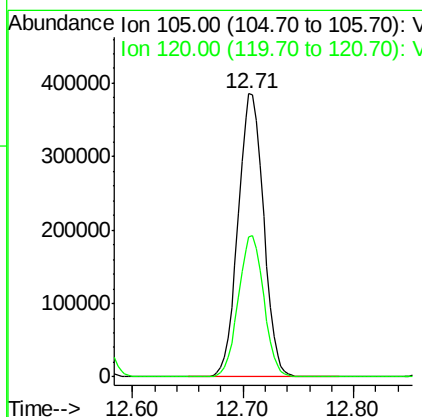
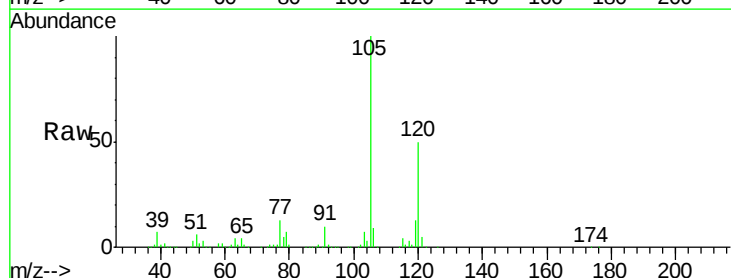
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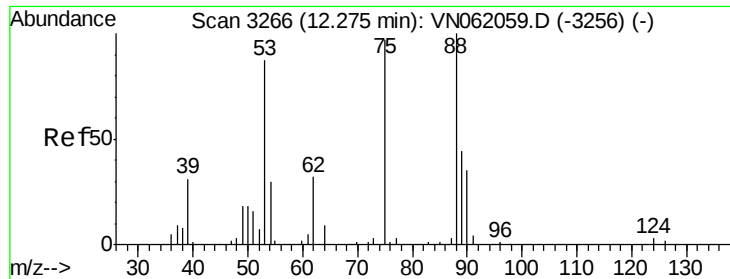
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#80
 1,3,5-Trimethylbenzene
 Concen: 47.838 ug/l
 RT: 12.71 min Scan# 3400
 Delta R.T. -0.00 min
 Lab File: VN062128.D
 Acq: 26 Jun 2020 9:51

Tgt Ion: 105 Resp: 617353
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 44.955 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062128.D

Acq: 26 Jun 2020 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 74526

Ion Ratio Lower Upper

75 100

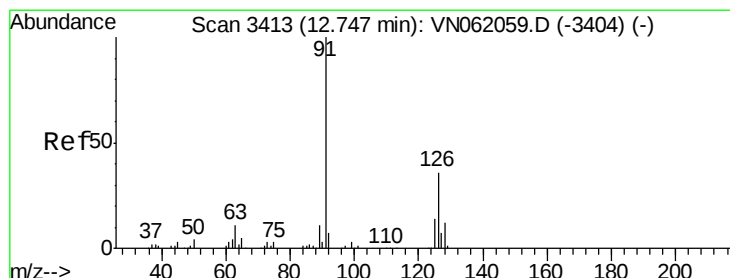
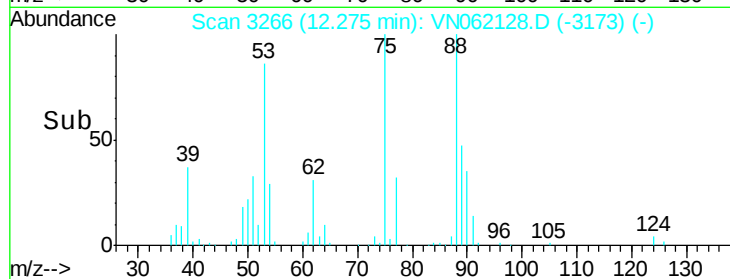
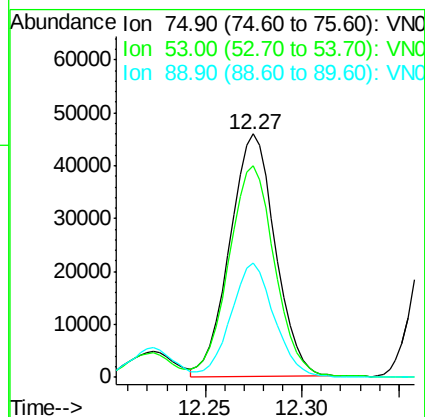
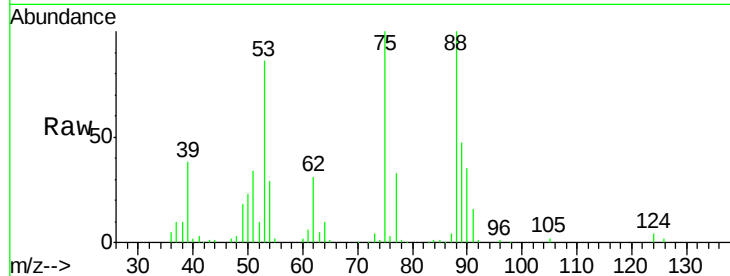
53 89.6 72.0 108.0

89 45.3 36.9 55.3

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#82

4-Chlorotoluene

Concen: 45.559 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062128.D

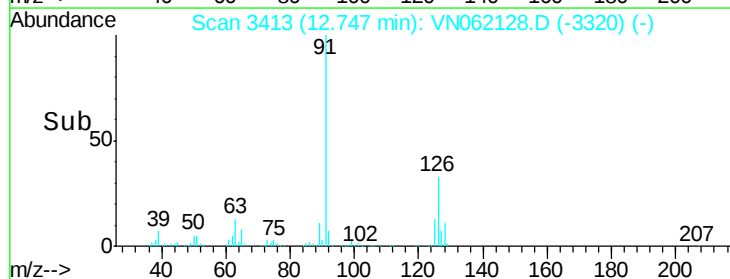
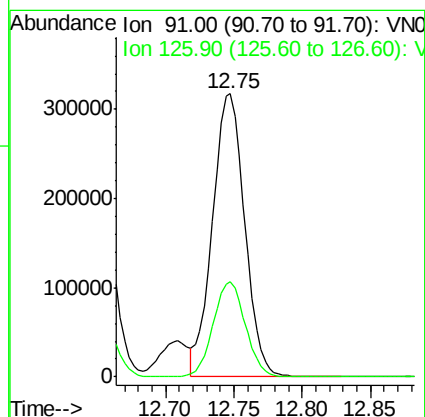
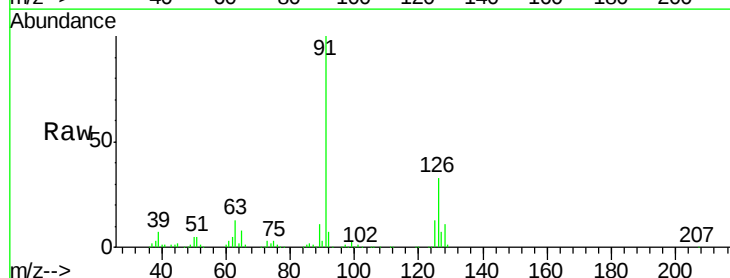
Acq: 26 Jun 2020 9:51

Tgt Ion: 91 Resp: 518643

Ion Ratio Lower Upper

91 100

126 33.7 16.7 50.1





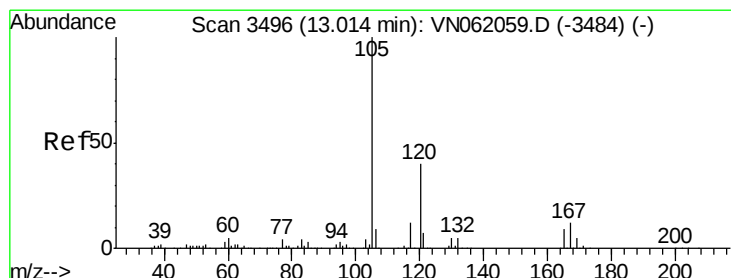
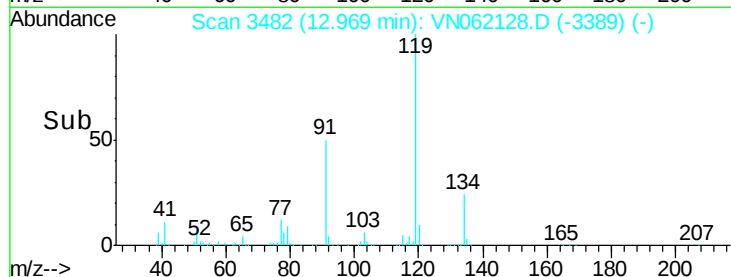
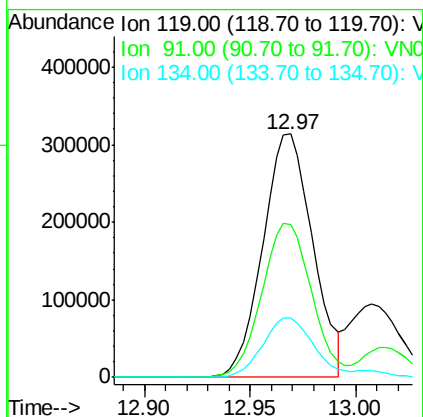
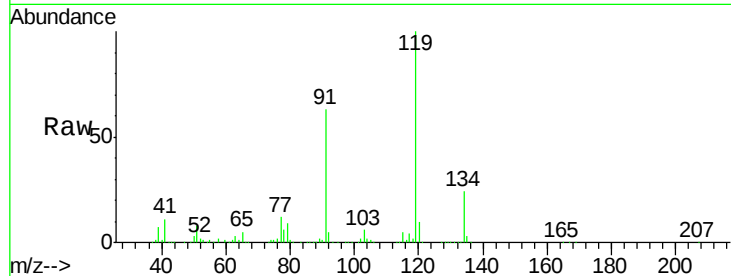
#83
tert-Butylbenzene
Concen: 46.902 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	518006		
91	62.6		31.7	95.1
134	25.0		13.1	39.1

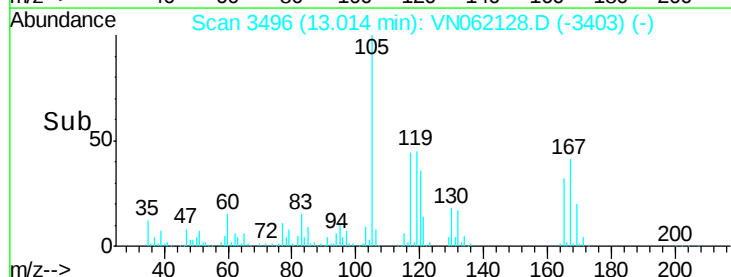
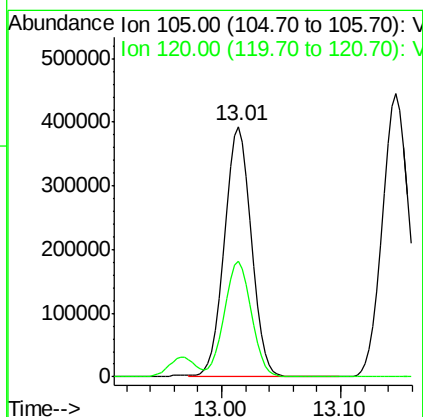
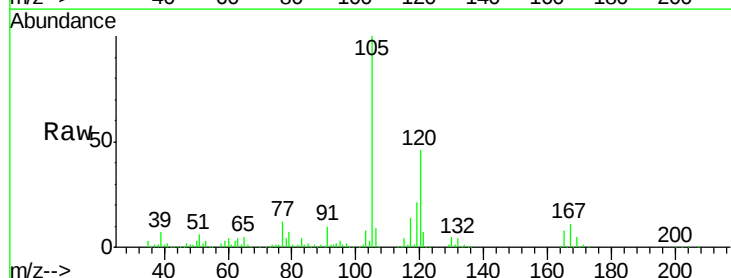
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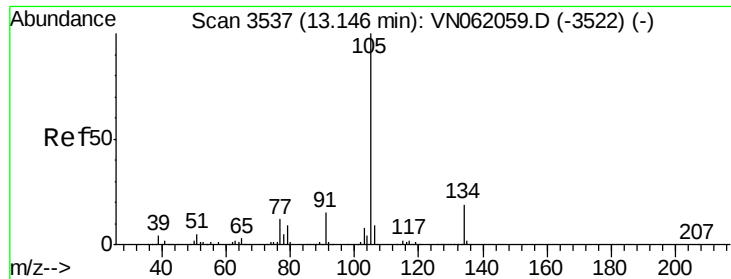
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 47.627 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	613866		
120	46.8		23.2	69.5





#85

sec-Butylbenzene

Concen: 47.825 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062128.D

Acq: 26 Jun 2020 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 697946

Ion Ratio Lower Upper

105 100

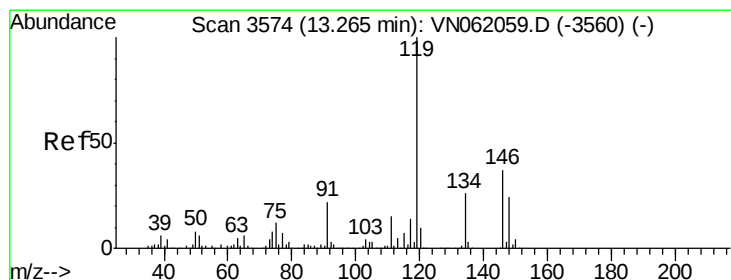
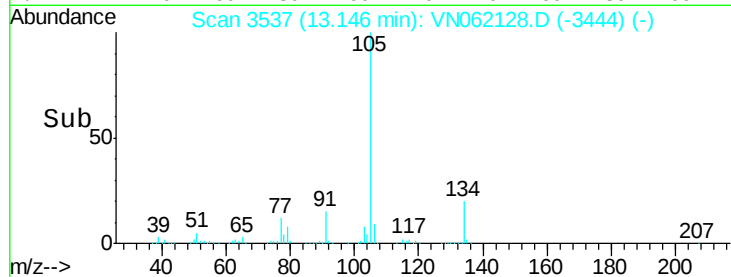
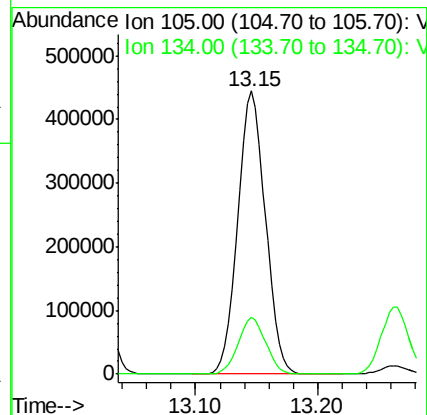
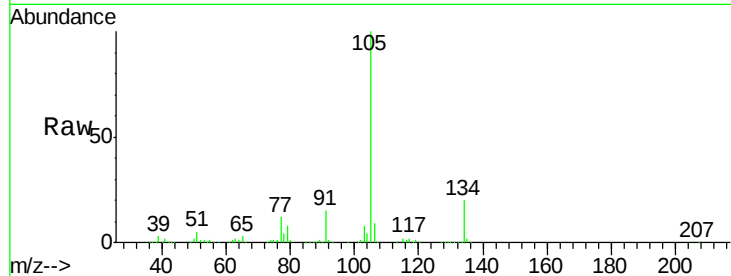
134 19.8 9.7 29.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.846 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN062128.D

Acq: 26 Jun 2020 9:51

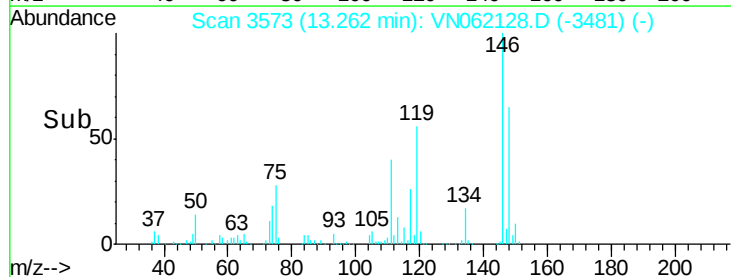
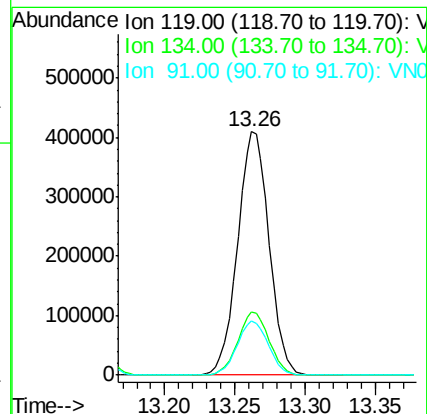
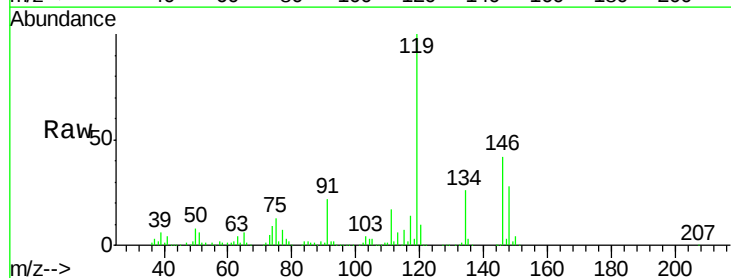
Tgt Ion:119 Resp: 637320

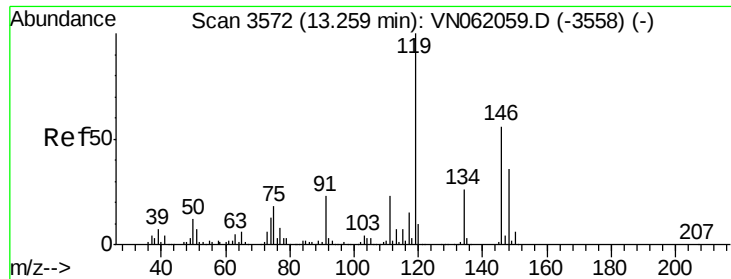
Ion Ratio Lower Upper

119 100

134 25.8 13.0 39.0

91 22.0 11.3 33.8





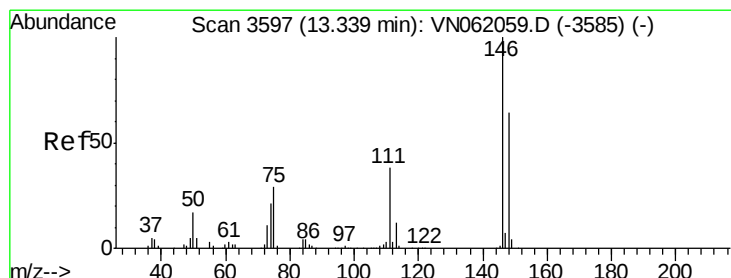
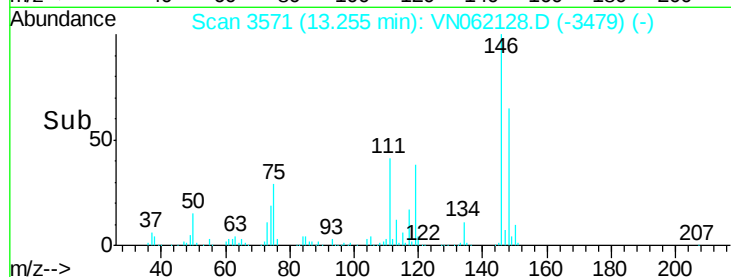
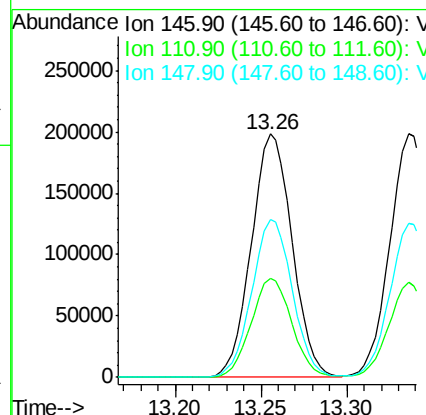
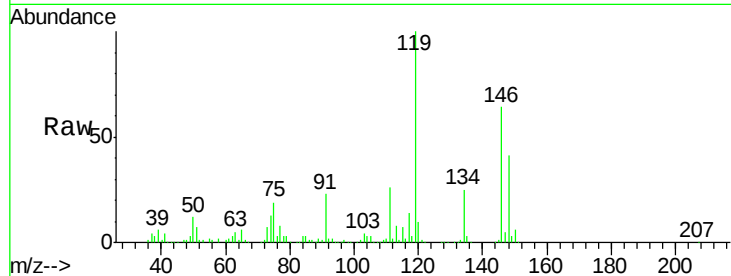
#87
 1,3-Dichlorobenzene
 Concen: 47.100 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN062128.D
 Acq: 26 Jun 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
146	100		
111	40.5	20.3	61.0
148	64.3	31.8	95.3

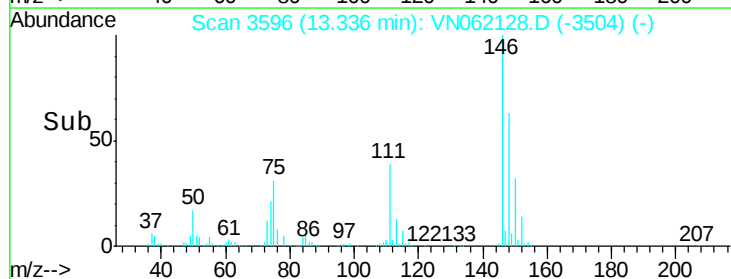
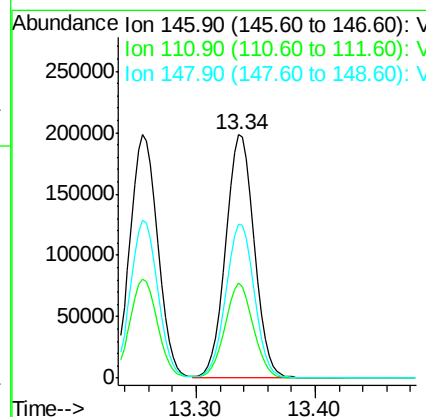
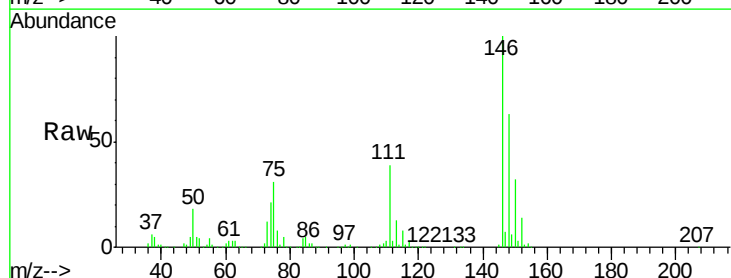
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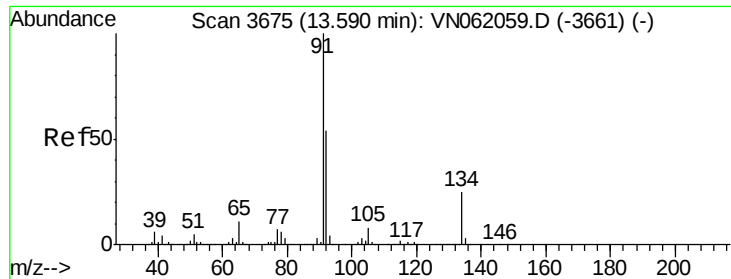
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#88
 1,4-Dichlorobenzene
 Concen: 46.081 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN062128.D
 Acq: 26 Jun 2020 9:51

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
111	38.5	19.9	59.6
148	63.2	31.9	95.9





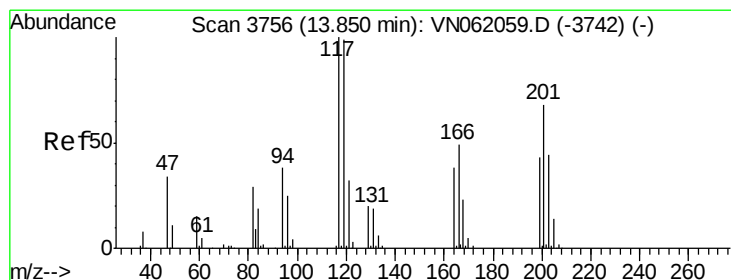
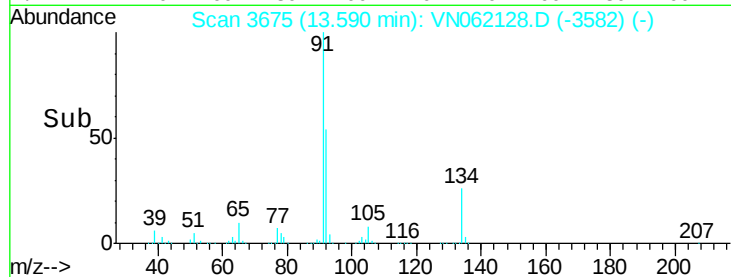
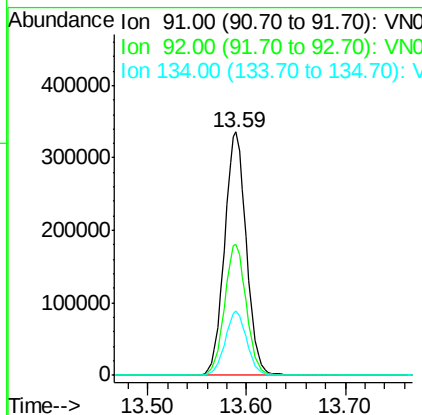
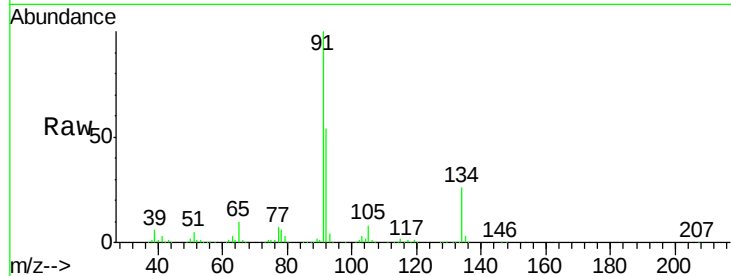
#89
n-Butylbenzene
Concen: 49.107 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.6	79.7
134	26.0	12.3	36.9

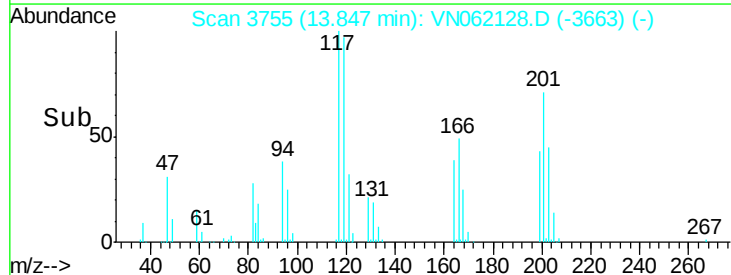
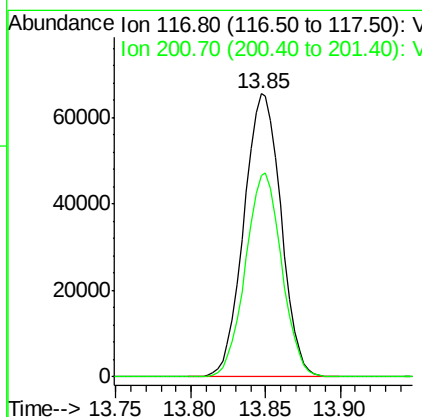
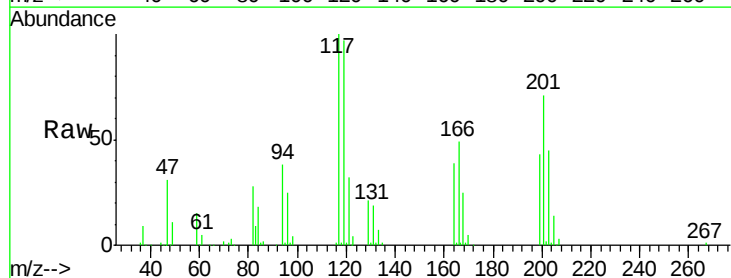
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#90
Hexachloroethane
Concen: 45.099 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN062128.D
Acq: 26 Jun 2020 9:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.1	32.7	98.1





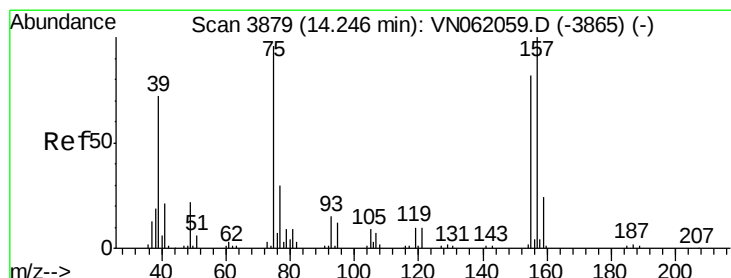
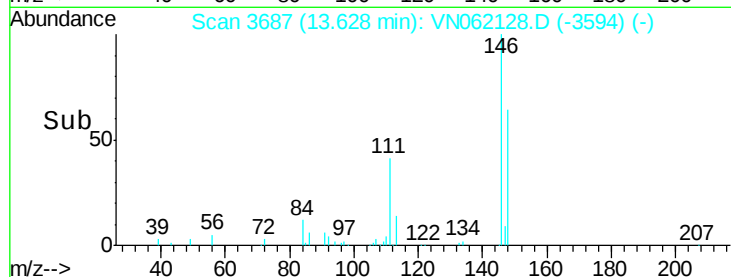
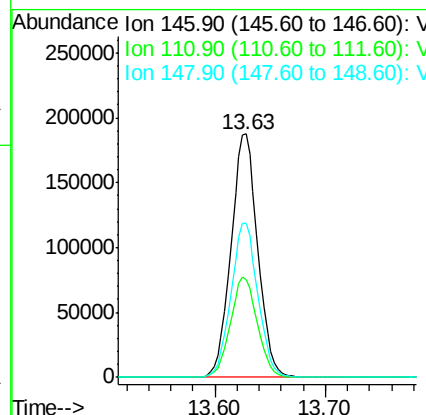
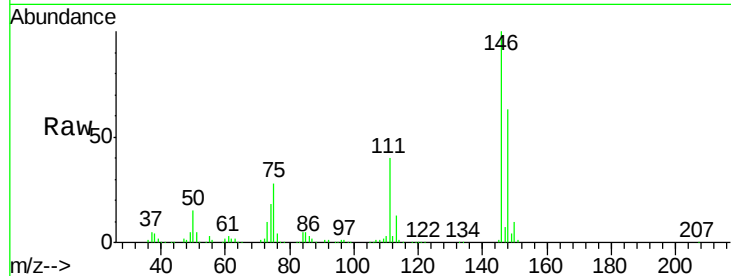
#91
 1,2-Dichlorobenzene
 Concen: 46.731 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062128.D
 Acq: 26 Jun 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.2	63.6
148	63.8	31.9	95.5

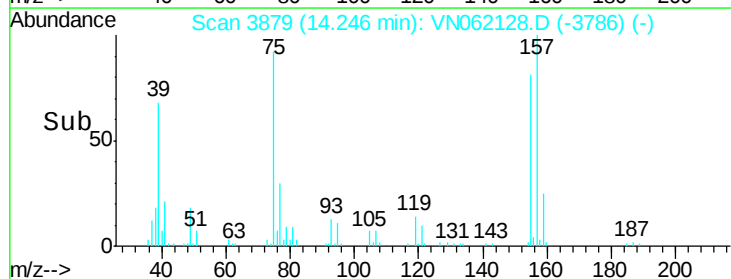
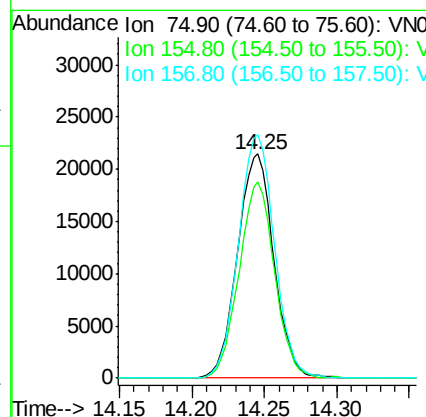
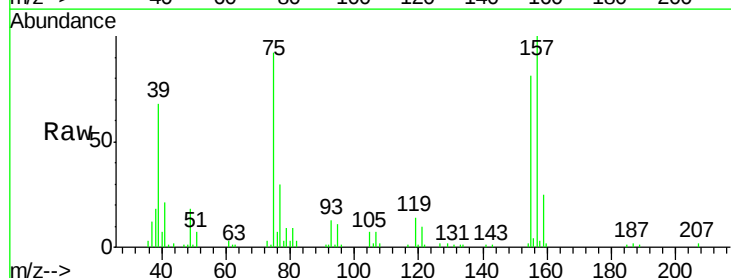
Manual Integrations
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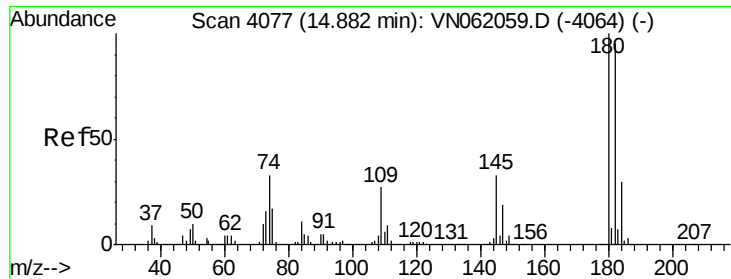
MMDadoda
 6/29/2020 12:35:26 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.182 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062128.D
 Acq: 26 Jun 2020 9:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.0	40.8	122.4
157	107.5	51.4	154.3





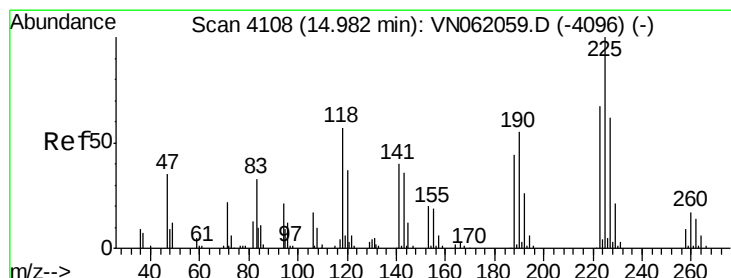
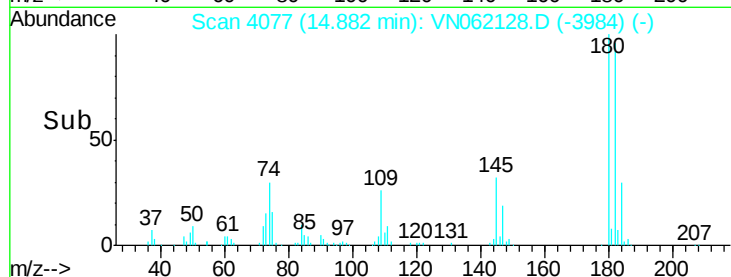
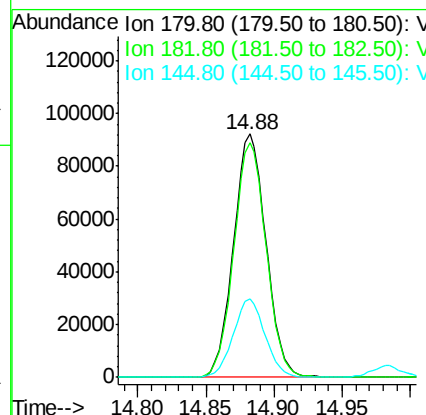
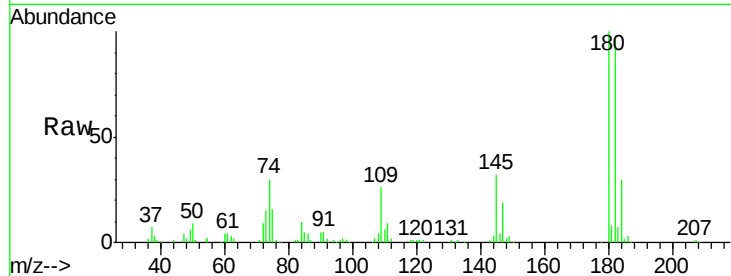
#93
 1,2,4-Trichlorobenzene
 Concen: 51.958 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062128.D
 Acq: 26 Jun 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	152758		
182	95.9	48.0	144.2	
145	31.6	16.0	48.0	

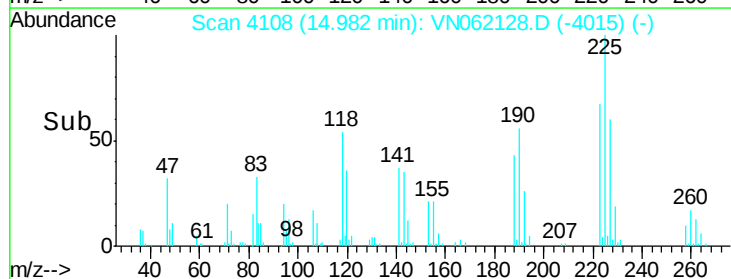
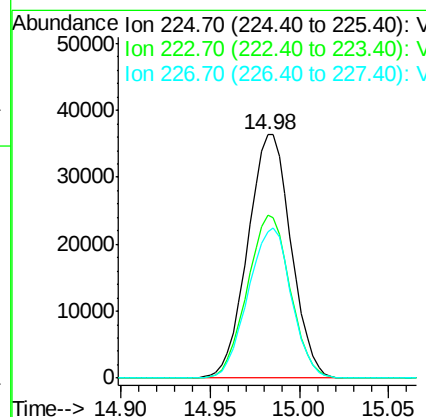
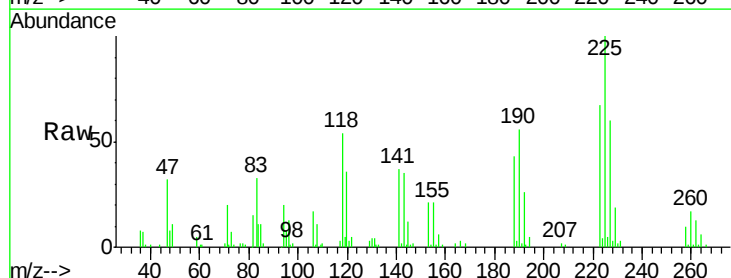
Manual Integrations
 APPROVED

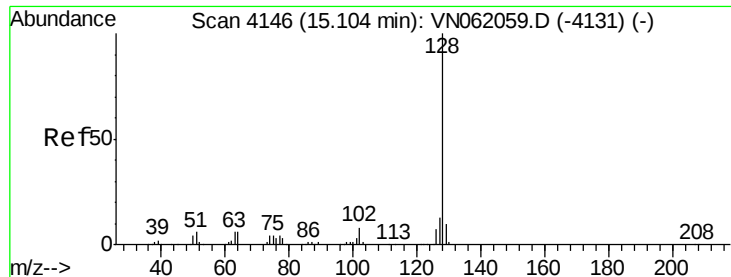
MMDadoda
 6/29/2020 12:35:26 PM



#94
 Hexachlorobutadiene
 Concen: 48.165 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062128.D
 Acq: 26 Jun 2020 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61503		
223	66.2	32.9	98.7	
227	61.5	31.3	93.8	





#95

Naphthalene

Concen: 44.827 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062128.D

Acq: 26 Jun 2020 9:51

Instrument :

MSVOA_N

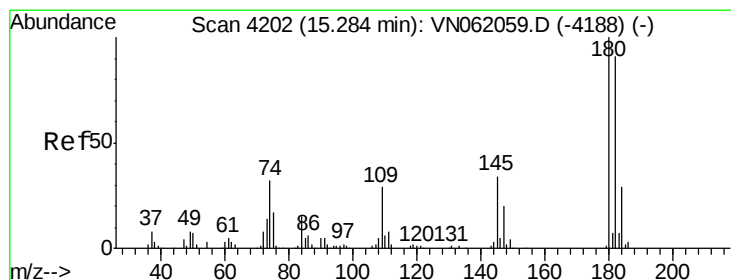
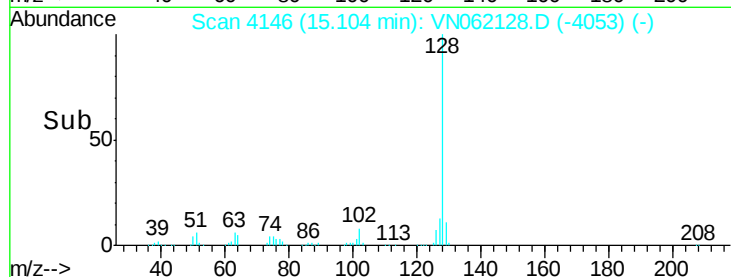
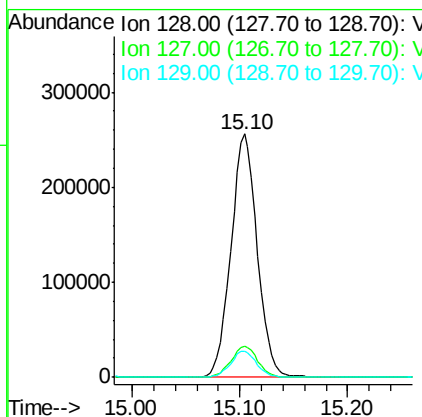
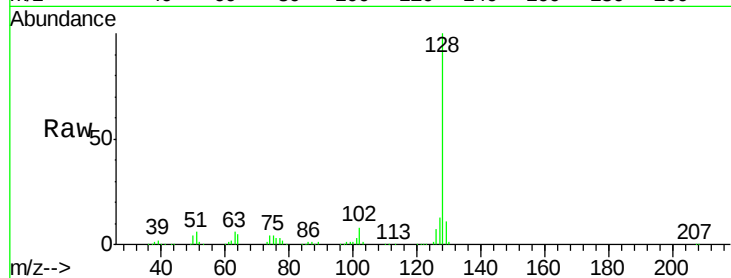
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	435016
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:35:26 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.809 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062128.D

Acq: 26 Jun 2020 9:51

Tgt Ion:	180	Resp:	152743
Ion Ratio		Lower	Upper
180	100		
182	94.4	46.8	140.4
145	33.2	16.4	49.2

