

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081920\
 Data File : VN063001.D
 Acq On : 19 Aug 2020 9:46
 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
 8/20/2020 10:09:31 AM

Quant Time: Aug 19 14:03:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	178584	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	258589	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	250411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	124211	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	109919	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
35) Dibromofluoromethane	7.55	113	90230	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	
50) Toluene-d8	10.06	98	350446	54.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.30%	
62) 4-Bromofluorobenzene	12.38	95	125901	55.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	123160	52.771	ug/l	97
3) Chloromethane	2.03	50	131433	53.676	ug/l	98
4) Vinyl Chloride	2.16	62	125801	53.125	ug/l	98
5) Bromomethane	2.53	94	80445	57.234	ug/l	98
6) Chloroethane	2.67	64	76370	54.623	ug/l	99
7) Trichlorofluoromethane	2.98	101	156110	52.863	ug/l	100
8) Diethyl Ether	3.37	74	52415	50.172	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	79437	49.920	ug/l	100
10) Methyl Iodide	3.91	142	107351	53.223	ug/l	100
11) Tert butyl alcohol	4.73	59	71273	237.735	ug/l	100
12) 1,1-Dichloroethene	3.70	96	72617	47.904	ug/l	99
13) Acrolein	3.56	56	15457	164.577	ug/l	99
14) Allyl chloride	4.27	41	130855	48.958	ug/l	98
15) Acrylonitrile	4.93	53	224137	254.363	ug/l	100
16) Acetone	3.78	43	204796	311.248	ug/l	99
17) Carbon Disulfide	4.01	76	198051	49.887	ug/l	98
18) Methyl Acetate	4.28	43	98878	47.009	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	284705	53.855	ug/l	99
20) Methylene Chloride	4.50	84	94477	50.646	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	80687	50.862	ug/l	98
22) Diisopropyl ether	5.90	45	319709	52.712	ug/l	98
23) Vinyl Acetate	5.84	43	1028424	251.270	ug/l	98
24) 1,1-Dichloroethane	5.80	63	168488	49.712	ug/l	98
25) 2-Butanone	6.78	43	303425	270.027	ug/l	99
26) 2,2-Dichloropropane	6.77	77	142721	53.544	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	102403	51.500	ug/l	99
28) Bromochloromethane	7.15	49	87242	49.195	ug/l	98
29) Tetrahydrofuran	7.17	42	192883	265.963	ug/l	99
30) Chloroform	7.33	83	176523	51.714	ug/l	99
31) Cyclohexane	7.61	56	164134	52.616	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	143576	51.521	ug/l	98
36) 1,1-Dichloropropene	7.75	75	120803	53.011	ug/l	99
37) Ethyl Acetate	6.88	43	109645	51.349	ug/l	99
38) Carbon Tetrachloride	7.73	117	122652	53.312	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	159832	51.890	ug/l	98
40) Benzene	8.00	78	386059	53.414	ug/l	99
41) Methacrylonitrile	7.12	41	51092	50.220	ug/l #	91
42) 1,2-Dichloroethane	8.09	62	132222	54.483	ug/l	99
43) Isopropyl Acetate	8.12	43	188054	53.160	ug/l #	92
44) Trichloroethene	8.80	130	93981	52.275	ug/l	97
45) 1,2-Dichloropropane	9.08	63	113245	54.205	ug/l	98
46) Dibromomethane	9.17	93	66573	55.159	ug/l	99
47) Bromodichloromethane	9.37	83	144209	54.553	ug/l	99
48) Methyl methacrylate	9.17	41	91905	54.909	ug/l	99
49) 1,4-Dioxane	9.17	88	36476	990.481	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	612980	274.139	ug/l	100
52) Toluene	10.12	92	243737	55.903	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	154657	56.576	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	169695	56.588	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	101639	54.520	ug/l	99
56) Ethyl methacrylate	10.40	69	145786	50.610	ug/l	98
57) 1,3-Dichloropropane	10.68	76	170817	55.179	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	159110	228.405	ug/l	98
59) 2-Hexanone	10.72	43	434170	278.372	ug/l	100
60) Dibromochloromethane	10.87	129	113796	55.157	ug/l	99
61) 1,2-Dibromoethane	10.98	107	99984	55.816	ug/l	100
64) Tetrachloroethene	10.60	164	85965	52.225	ug/l	99
65) Chlorobenzene	11.41	112	265361	52.764	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	103497	52.909	ug/l	99
67) Ethyl Benzene	11.48	91	472489	55.601	ug/l	99
68) m/p-Xylenes	11.59	106	361882	114.579	ug/l	100
69) o-Xylene	11.92	106	171096	56.413	ug/l	99
70) Styrene	11.94	104	306747	50.928	ug/l	100
71) Bromoform	12.10	173	83817	53.832	ug/l #	100
73) Isopropylbenzene	12.22	105	468862	55.121	ug/l	99
74) N-amyl acetate	12.05	43	170765	56.054	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	148126	54.104	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	133458m	55.276	ug/l	
77) Bromobenzene	12.50	156	124653	53.284	ug/l	98
78) n-propylbenzene	12.57	91	555172	57.262	ug/l	100
79) 2-Chlorotoluene	12.65	91	327745	53.744	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	403871	57.437	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	48205	54.835	ug/l	98
82) 4-Chlorotoluene	12.75	91	344930	55.548	ug/l	99
83) tert-Butylbenzene	12.97	119	334653	55.142	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	398654	58.197	ug/l	99
85) sec-Butylbenzene	13.15	105	465071	56.702	ug/l	100
86) p-Isopropyltoluene	13.26	119	416232	58.241	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	219918	54.700	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	219438	53.775	ug/l	100
89) n-Butylbenzene	13.59	91	344808	50.855	ug/l	99
90) Hexachloroethane	13.85	117	79854	52.570	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	213352	54.937	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	24317	56.765	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	110873	51.367	ug/l	99
94) Hexachlorobutadiene	14.98	225	75137	52.358	ug/l	99
95) Naphthalene	15.10	128	243912	49.305	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	110616	52.226	ug/l	99

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

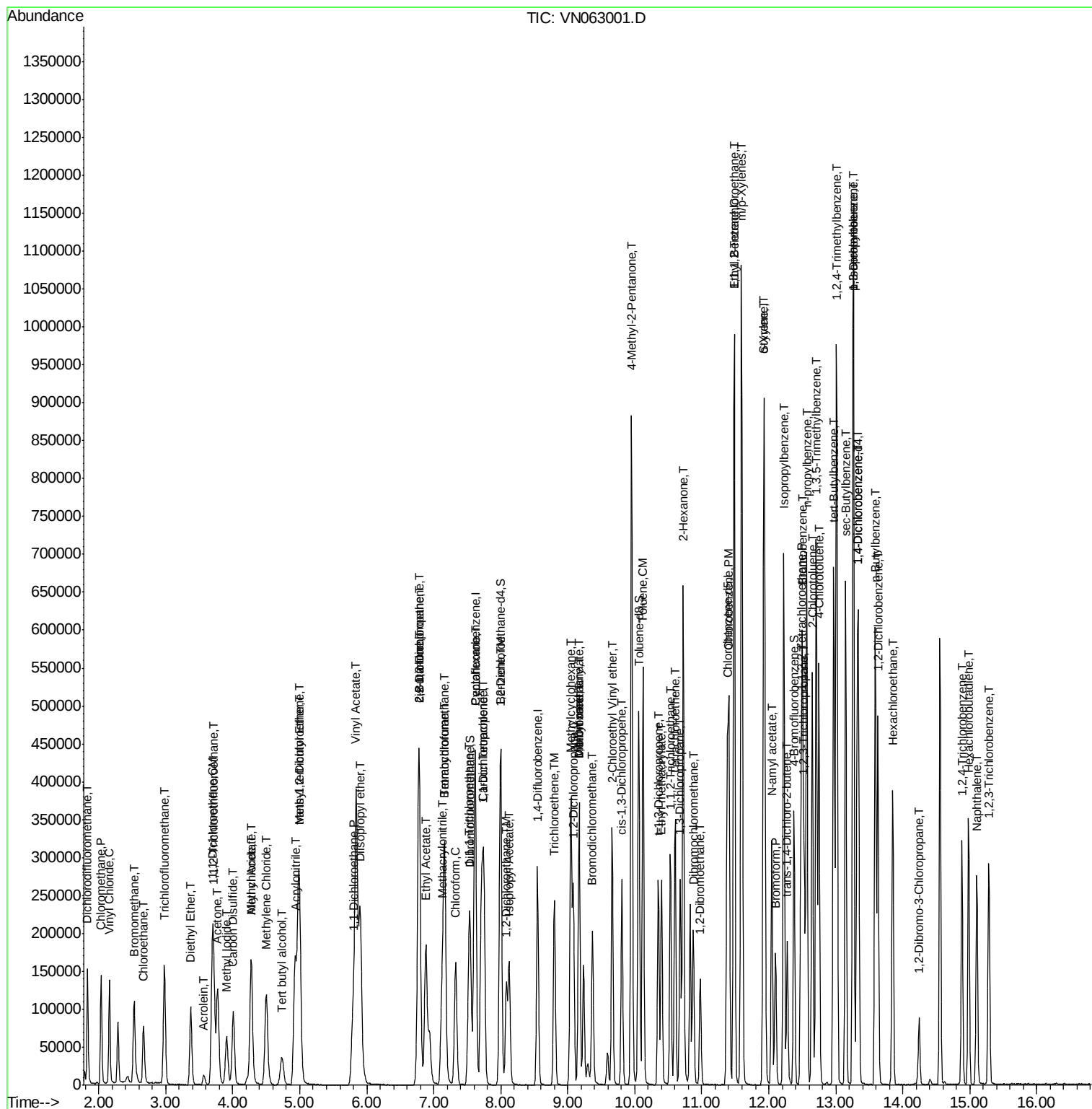
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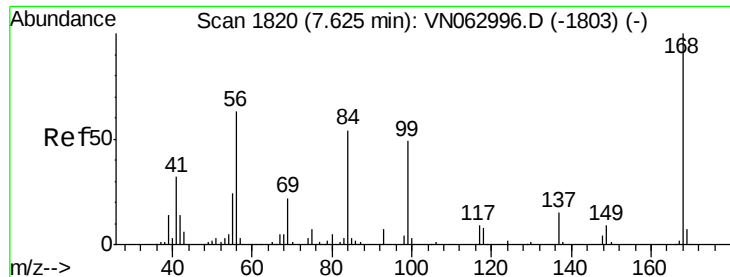
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 178584

Ion Ratio Lower Upper

168 100

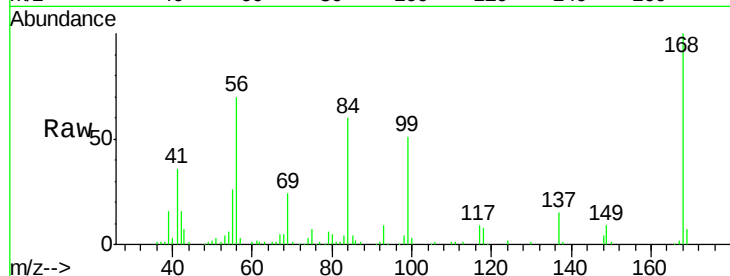
99 51.0 42.0 63.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

80000

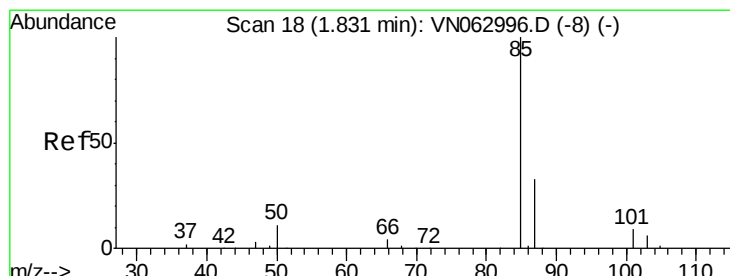
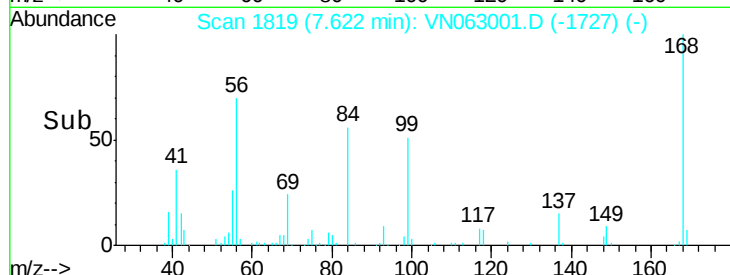
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 52.771 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN063001.D

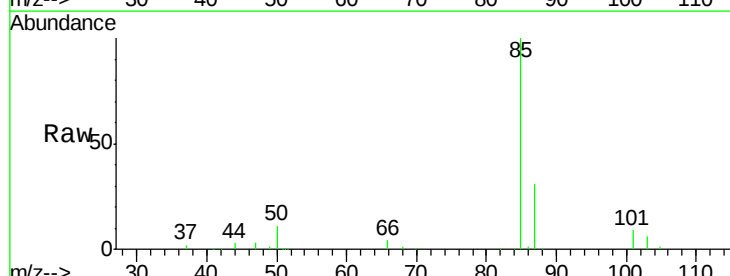
Acq: 19 Aug 2020 9:46

Tgt Ion: 85 Resp: 123160

Ion Ratio Lower Upper

85 100

87 31.0 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

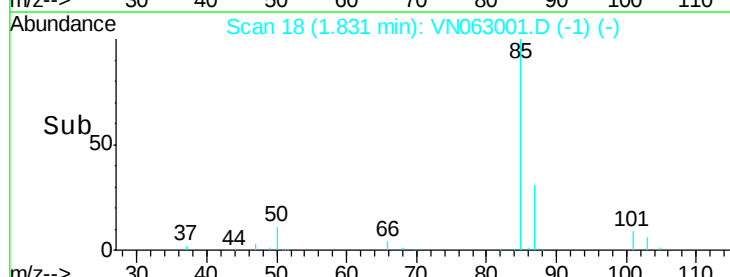
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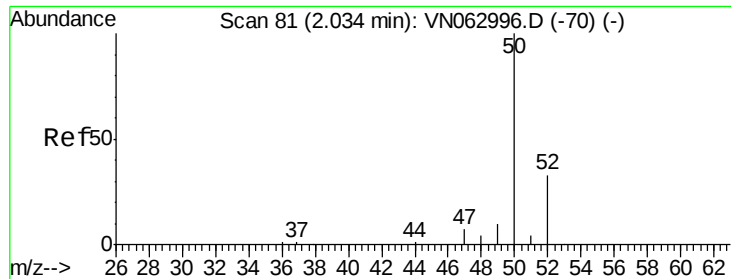
40000

20000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 53.676 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 131433

Ion Ratio Lower Upper

50 100

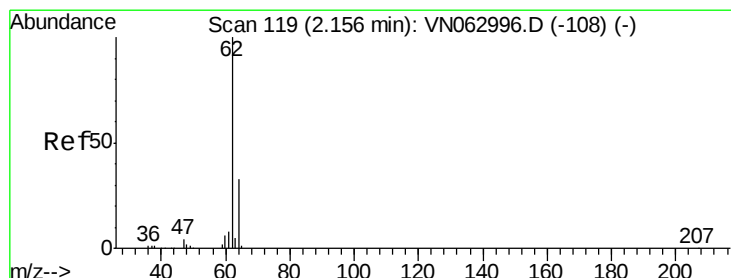
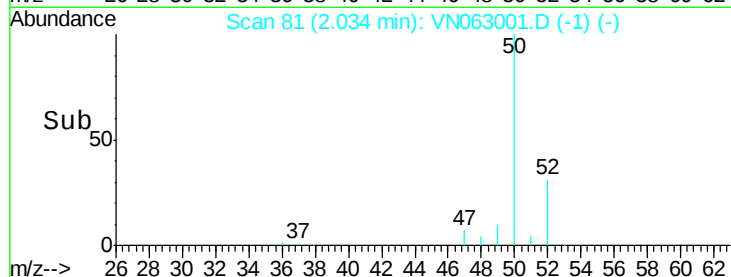
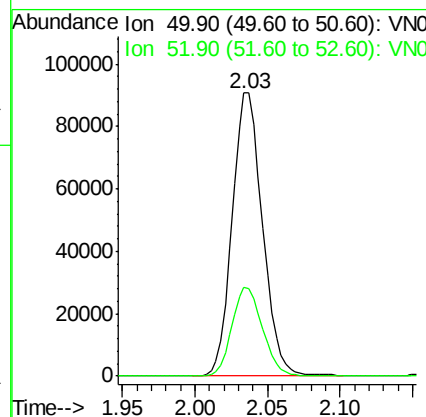
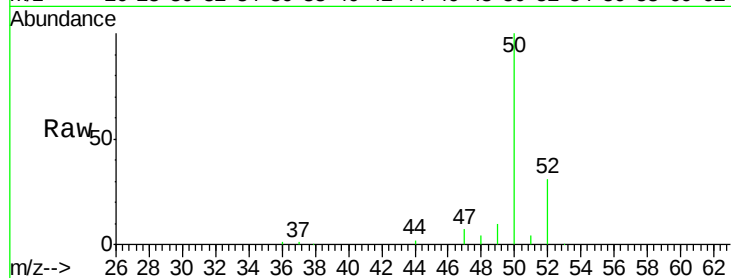
52 31.3 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 53.125 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN063001.D

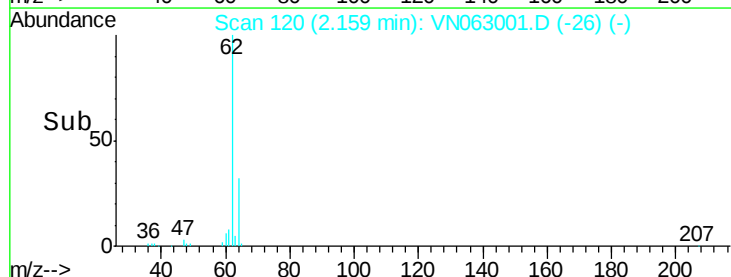
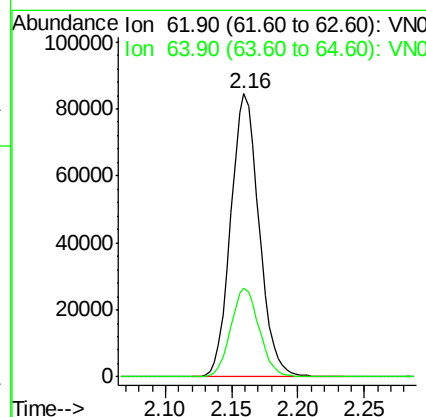
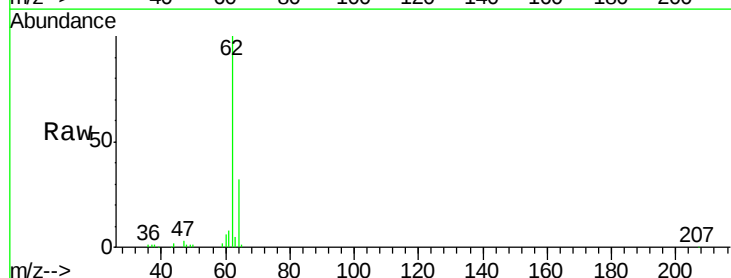
Acq: 19 Aug 2020 9:46

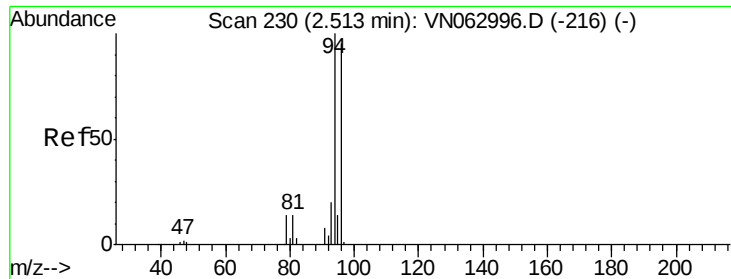
Tgt Ion: 62 Resp: 125801

Ion Ratio Lower Upper

62 100

64 31.6 26.2 39.2





#5

Bromomethane

Concen: 57.234 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.02 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 80445

Ion Ratio Lower Upper

94 100

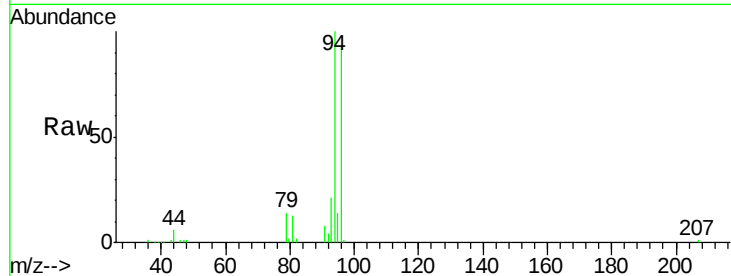
96 93.1 75.8 113.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN062996.D (-216) (-)

Ion 95.90 (95.60 to 96.60): VN063001.D (-137) (-)

2.53

40000

30000

20000

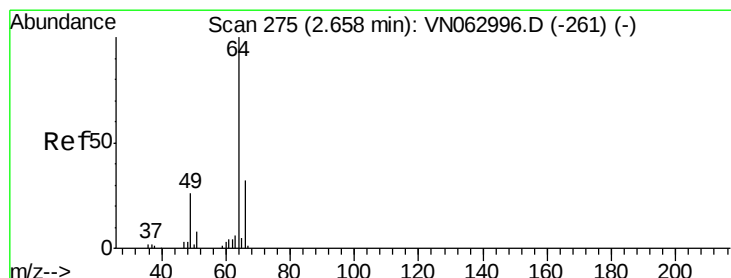
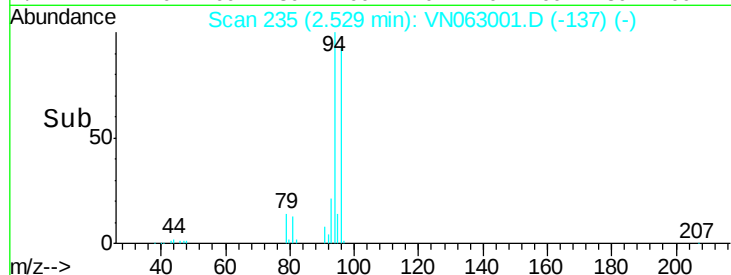
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0

2.50

2.60

Time-->



#6

Chloroethane

Concen: 54.623 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.01 min

Lab File: VN063001.D

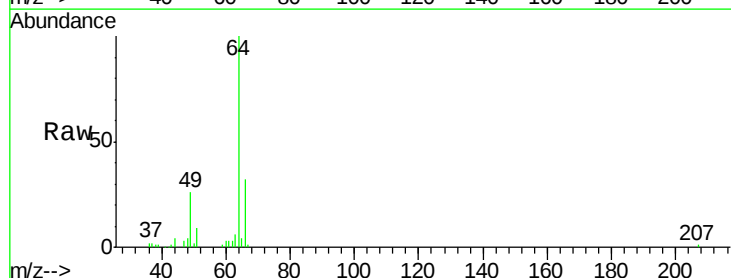
Acq: 19 Aug 2020 9:46

Tgt Ion: 64 Resp: 76370

Ion Ratio Lower Upper

64 100

66 32.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN062996.D (-261) (-)

Ion 65.90 (65.60 to 66.60): VN063001.D (-182) (-)

2.67

40000

30000

20000

10000

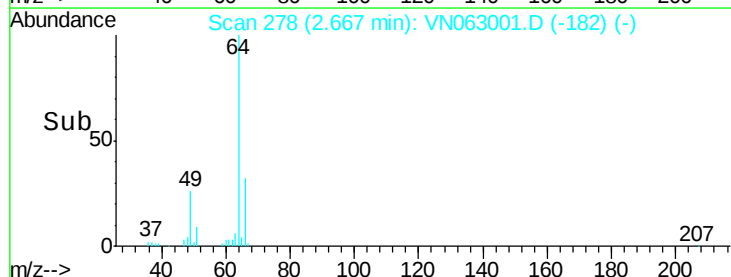
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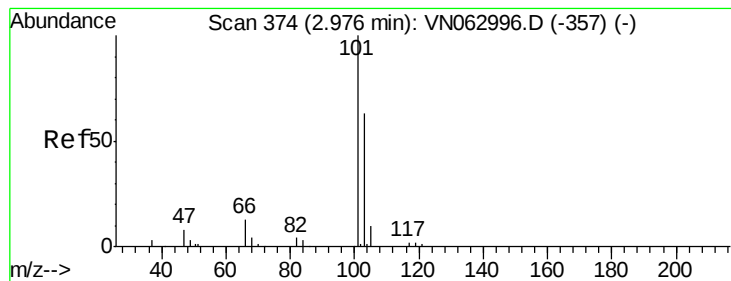
2.60

2.70

2.80

Time-->





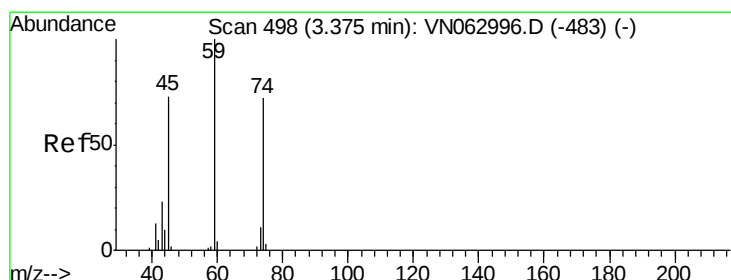
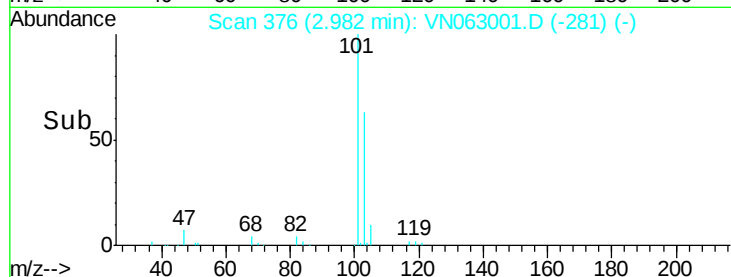
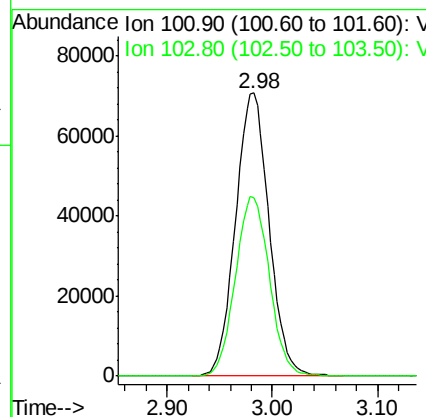
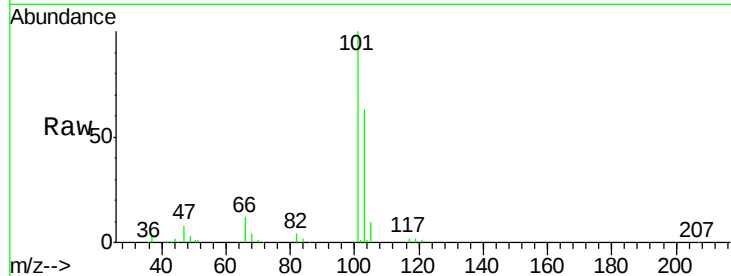
#7
 Trichlorofluoromethane
 Concen: 52.863 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.01 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	50.5	75.7

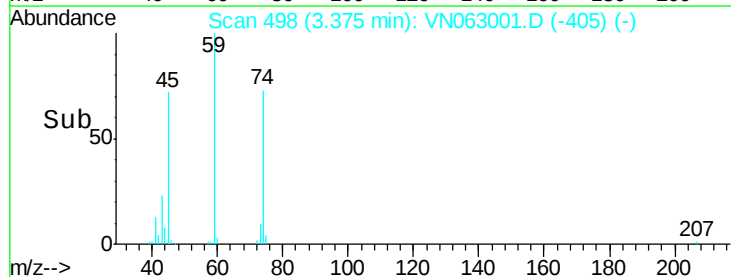
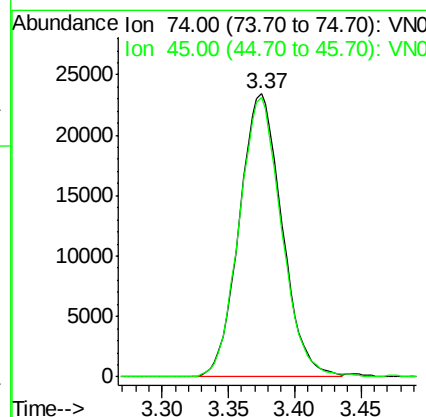
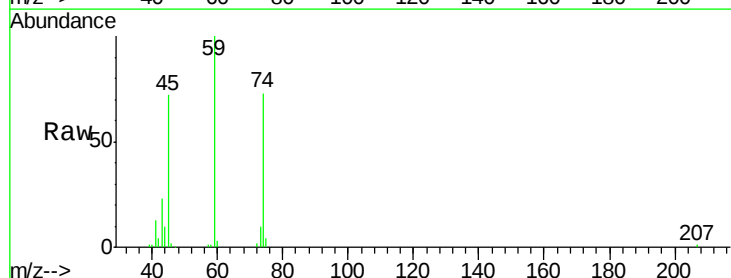
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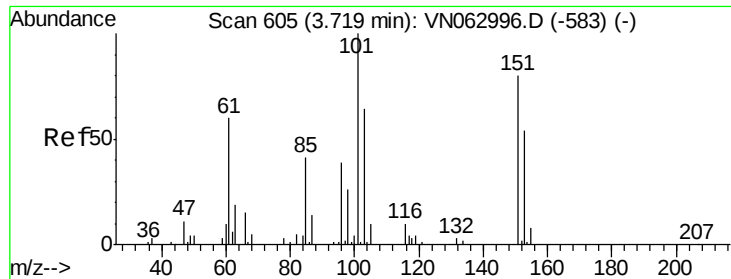
MMDadoda
 8/20/2020 10:09:31 AM



#8
 Diethyl Ether
 Concen: 50.172 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN063001.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.1	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.920 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN063001.D

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MSVOA_N

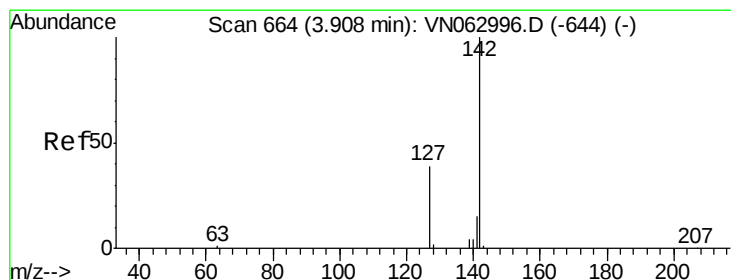
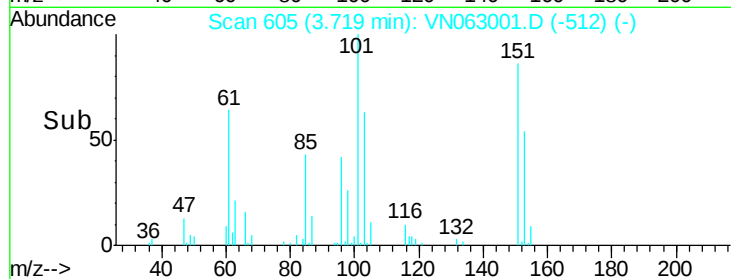
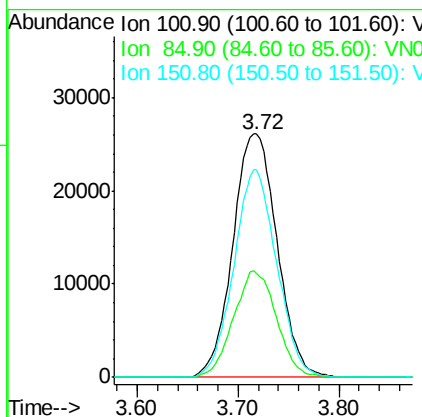
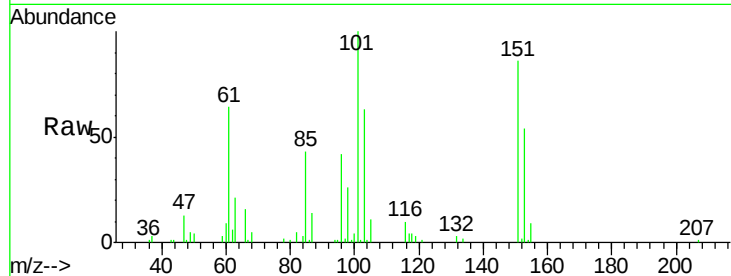
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	79437
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.0	51.0
151	82.5	65.8	98.8

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#10

Methyl Iodide

Concen: 53.223 ug/l

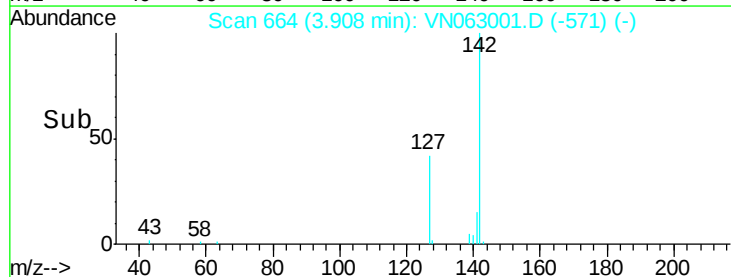
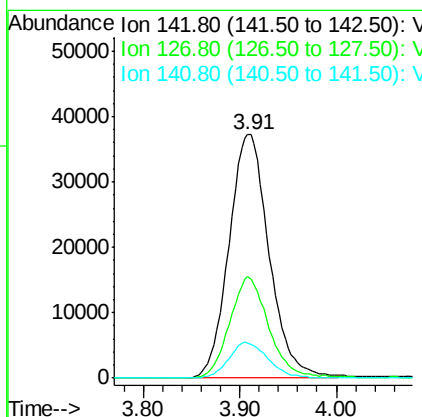
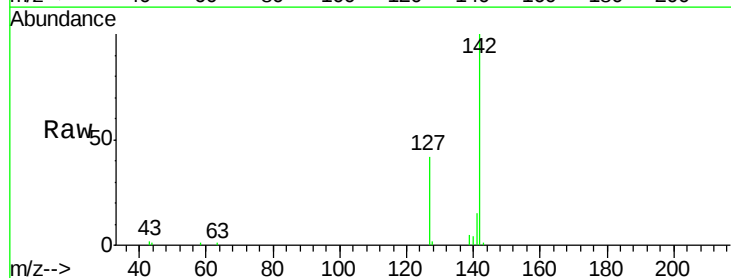
RT: 3.91 min Scan# 664

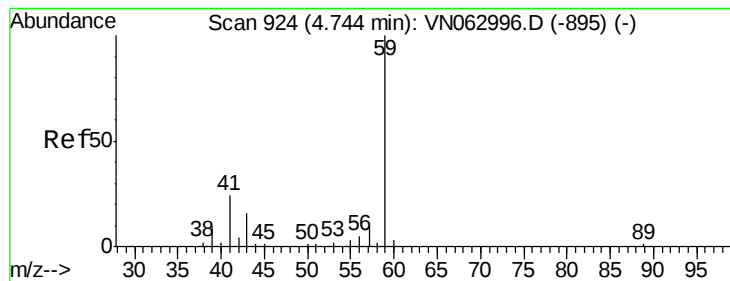
Delta R.T. 0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Tgt Ion:	142	Resp:	107351
Ion Ratio	Lower	Upper	
142	100		
127	40.5	32.2	48.4
141	14.4	11.3	16.9





#11

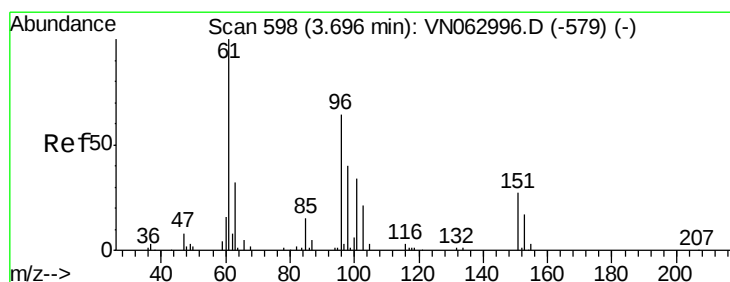
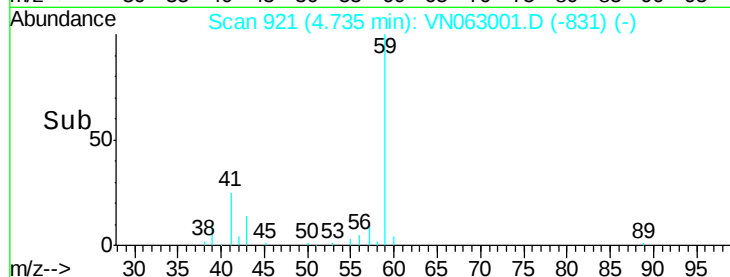
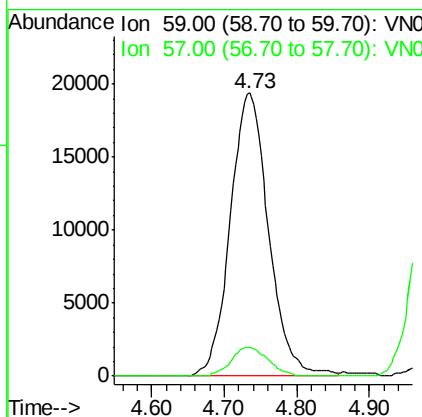
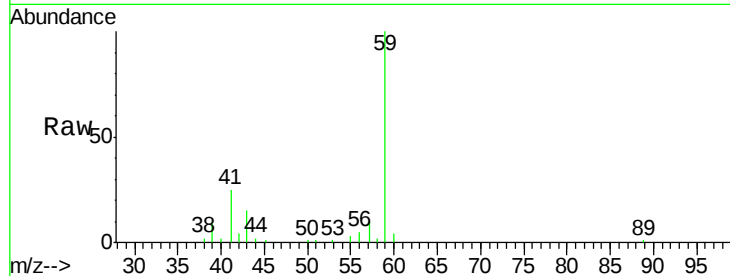
Tert butyl alcohol
 Concen: 237.735 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.6

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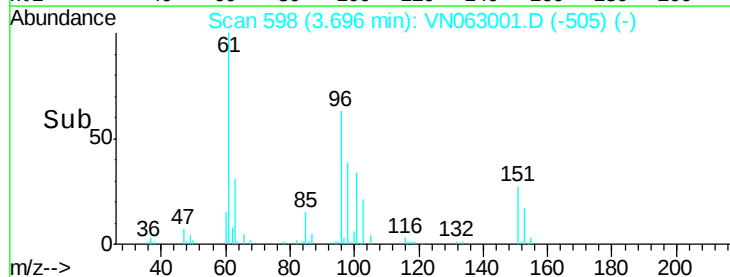
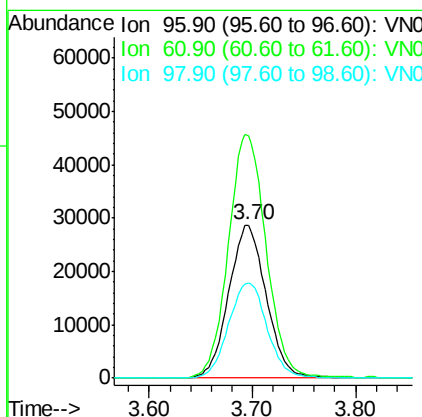
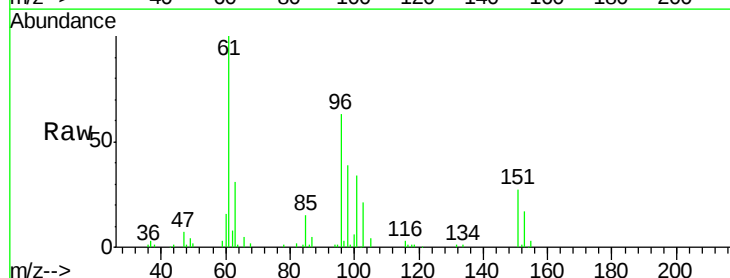
MMDadoda
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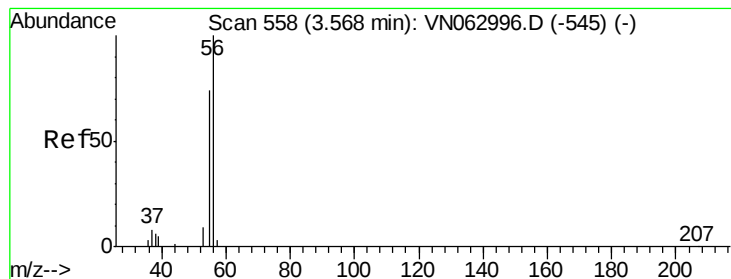


#12

1,1-Dichloroethene
 Concen: 47.904 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.0	125.5	188.3
98	62.2	50.4	75.6





#13

Acrolein

Concen: 164.577 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 15457

Ion Ratio Lower Upper

56 100

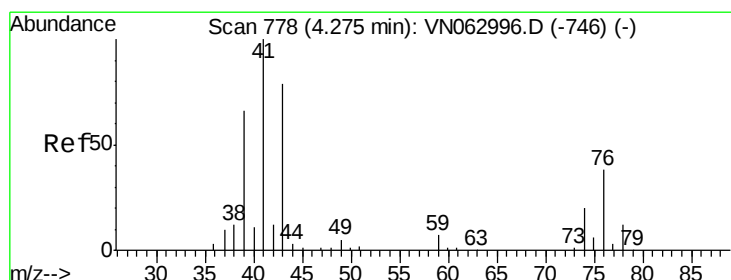
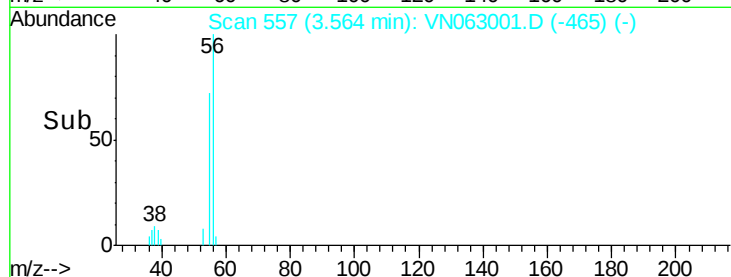
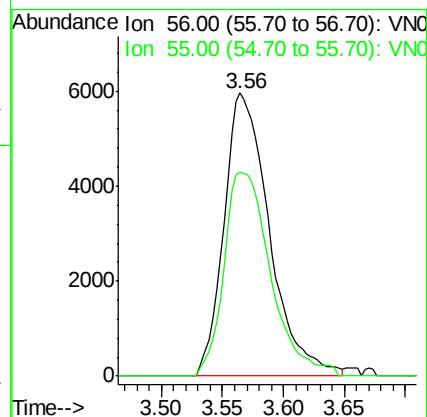
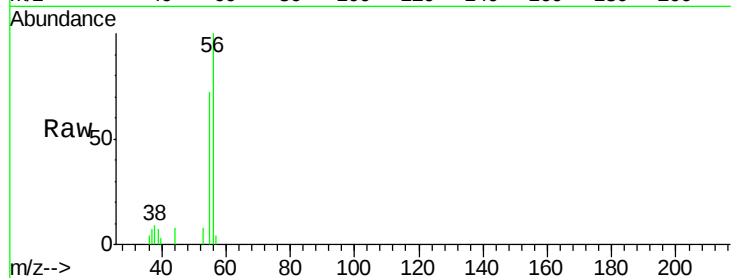
55 74.1 58.4 87.6

Manual Integrations

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#14

Allyl chloride

Concen: 48.958 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

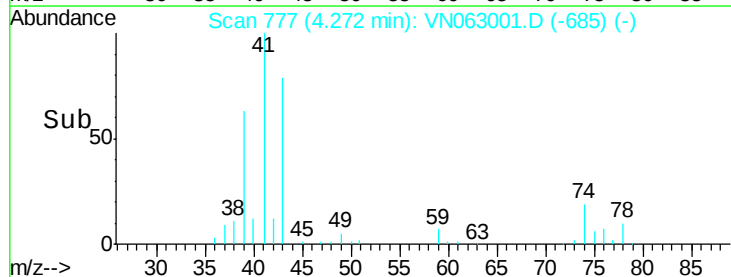
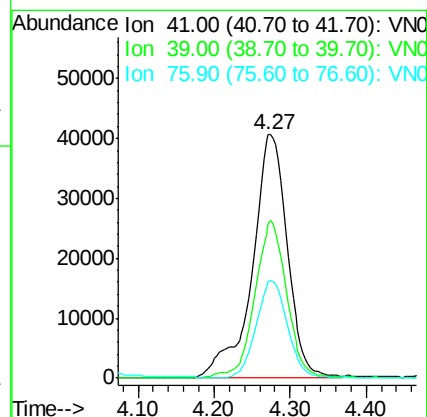
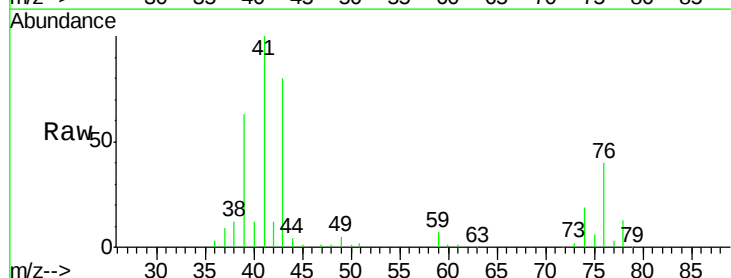
Tgt Ion: 41 Resp: 130855

Ion Ratio Lower Upper

41 100

39 58.5 47.9 71.9

76 35.4 27.0 40.6





#15

Acrylonitrile

Concen: 254.363 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

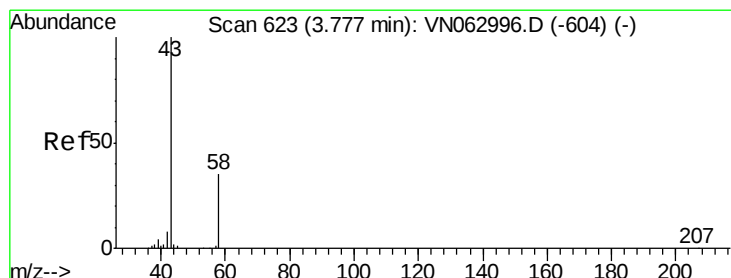
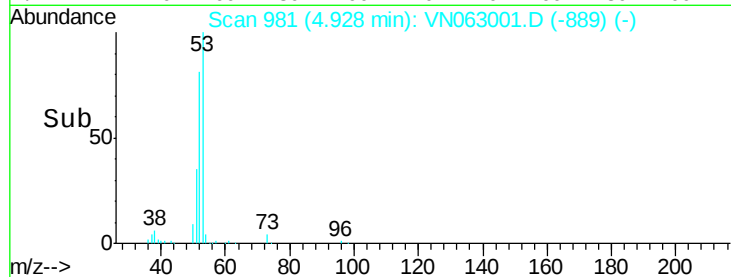
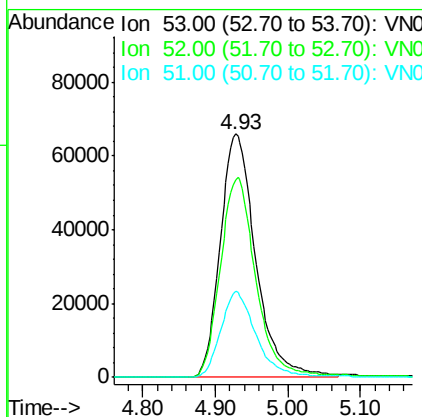
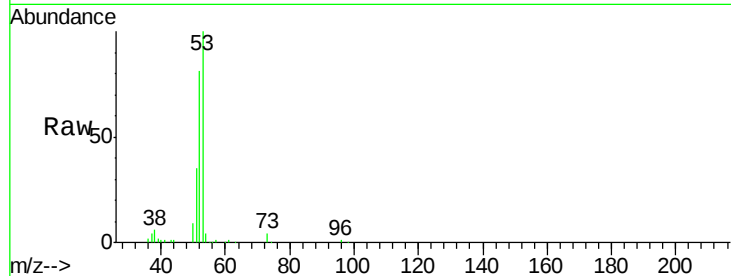
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	224137
Ion Ratio	Lower	Upper	
53	100		
52	82.0	65.6	98.4
51	35.4	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 311.248 ug/l

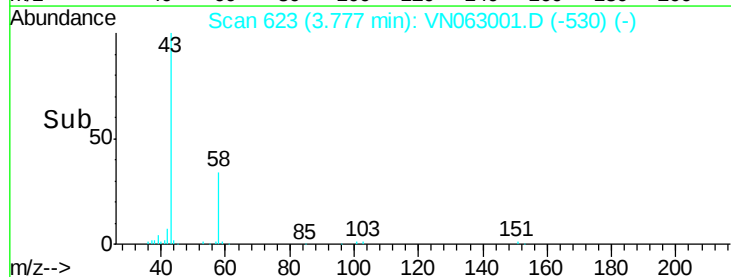
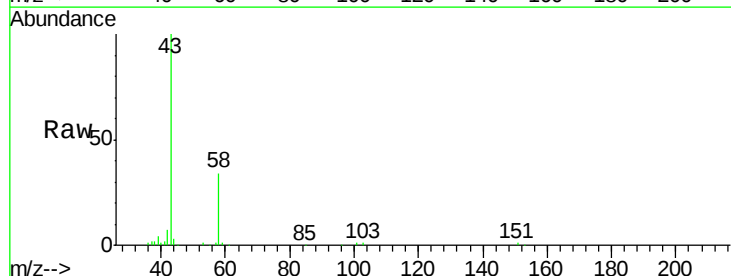
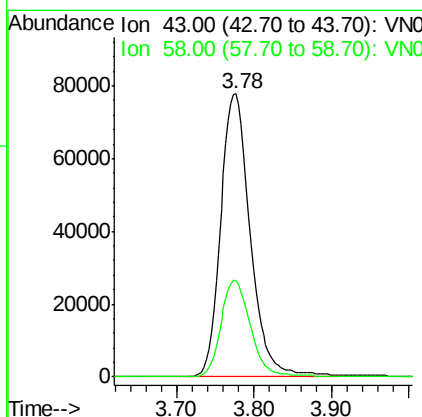
RT: 3.78 min Scan# 623

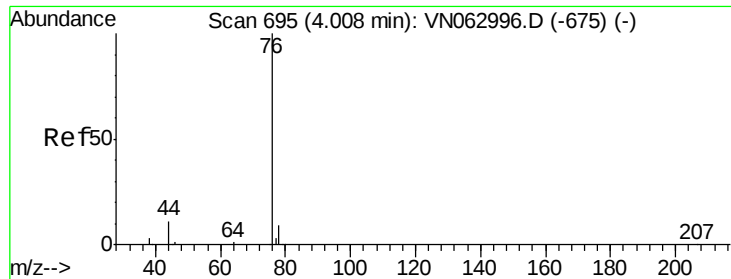
Delta R.T. 0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Tgt Ion:	43	Resp:	204796
Ion Ratio	Lower	Upper	
43	100		
58	34.0	27.8	41.6





#17

Carbon Disulfide

Concen: 49.887 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 198051

Ion Ratio Lower Upper

76 100

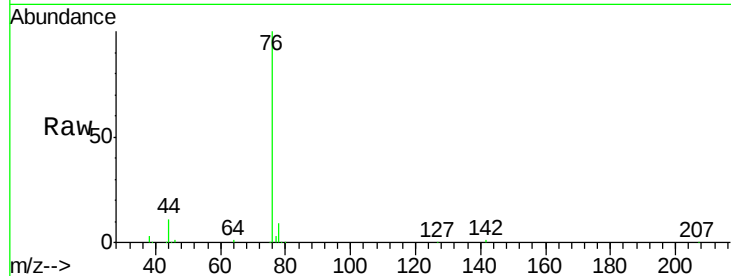
78 9.2 6.9 10.3

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

80000

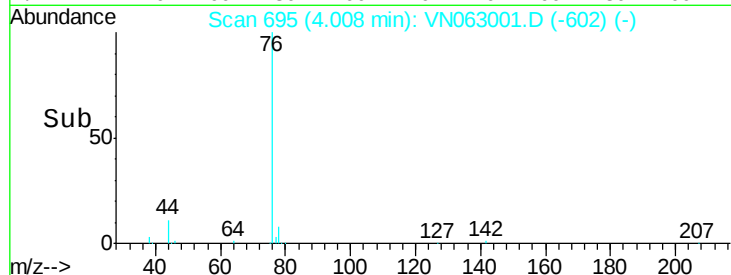
60000

40000

20000

0

Time-->



80000

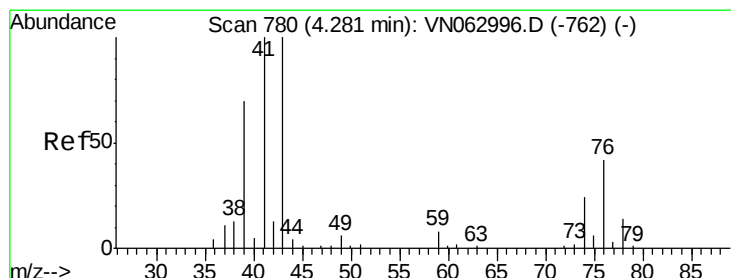
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 47.009 ug/l

RT: 4.28 min Scan# 779

Delta R.T. -0.00 min

Lab File: VN063001.D

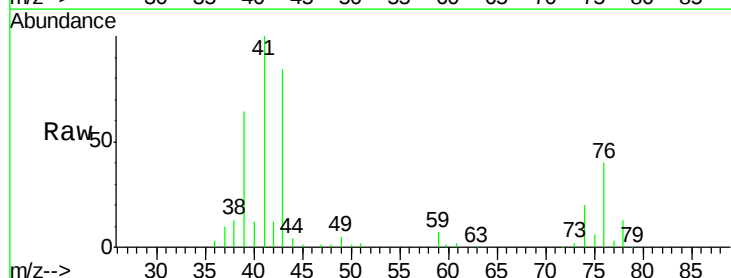
Acq: 19 Aug 2020 9:46

Tgt Ion: 43 Resp: 98878

Ion Ratio Lower Upper

43 100

74 23.9 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

40000

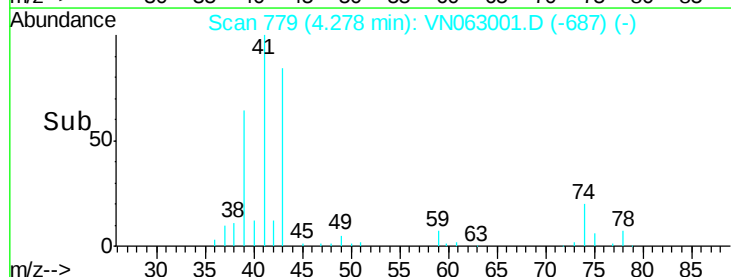
30000

20000

10000

0

Time-->



40000

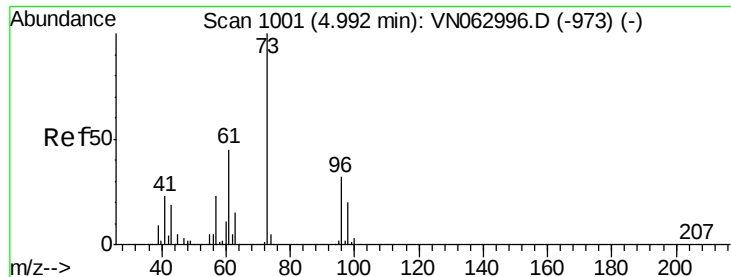
30000

20000

10000

0

Time-->



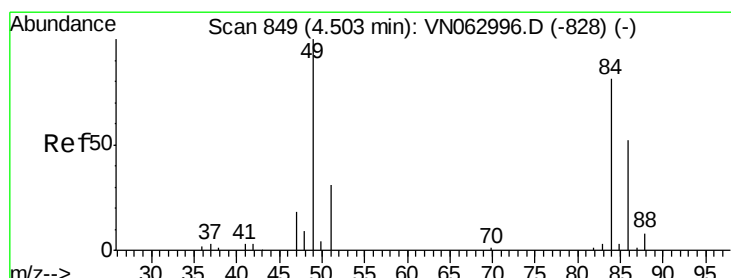
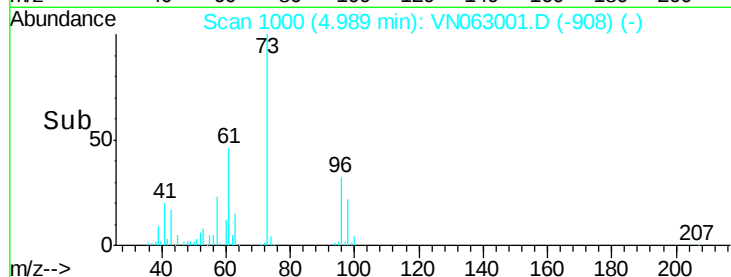
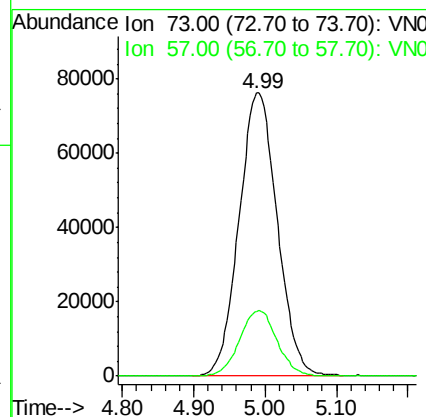
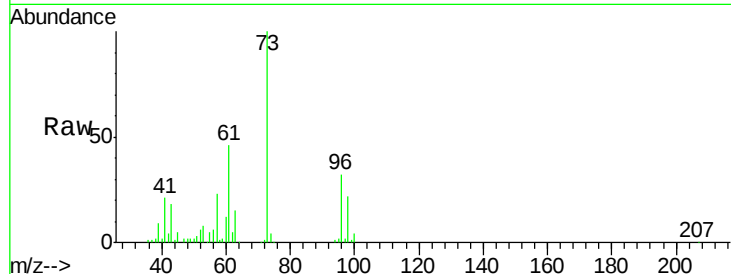
#19
Methvl tert-butvl Ether
Concen: 53.855 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 284705
Ion Ratio Lower Upper
73 100
57 23.0 18.1 27.1

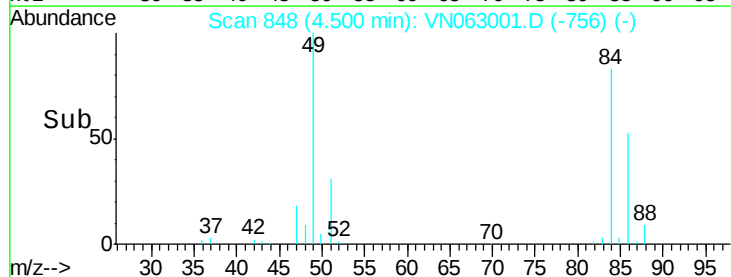
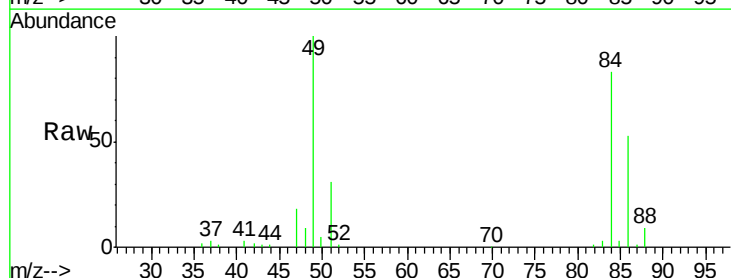
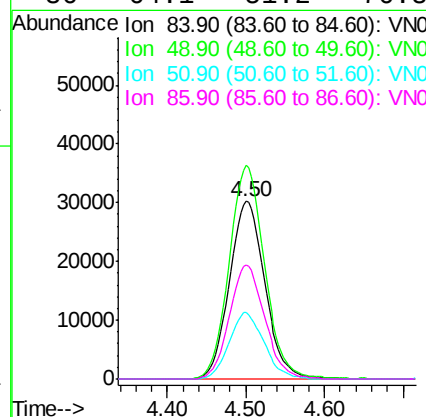
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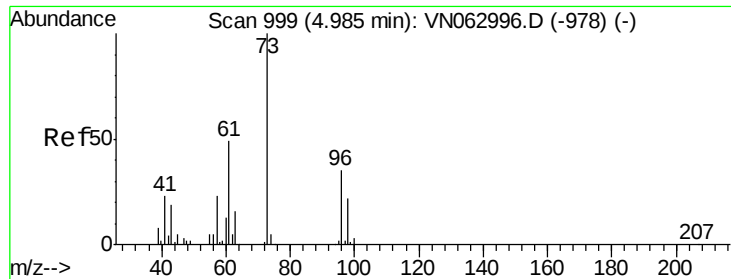
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#20
Methylene Chloride
Concen: 50.646 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Tgt Ion: 84 Resp: 94477
Ion Ratio Lower Upper
84 100
49 120.4 98.7 148.1
51 37.2 30.8 46.2
86 64.1 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 50.862 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

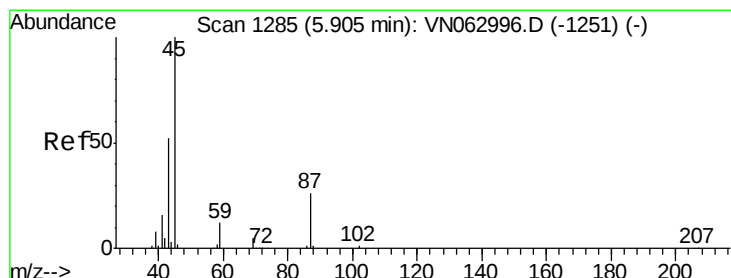
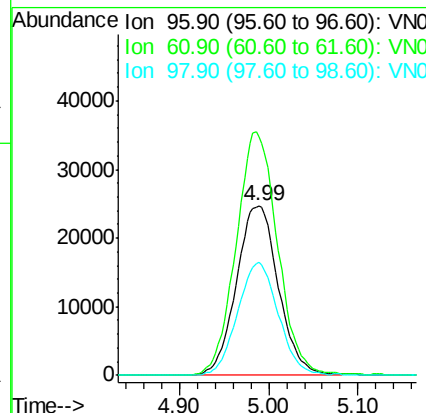
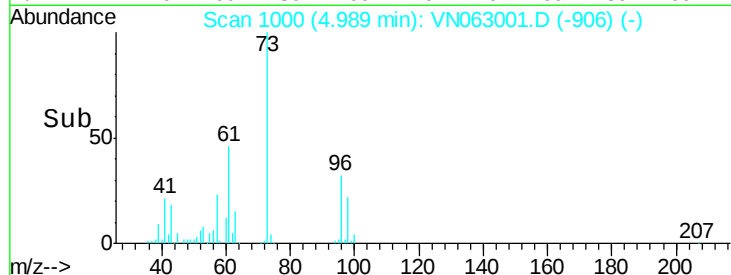
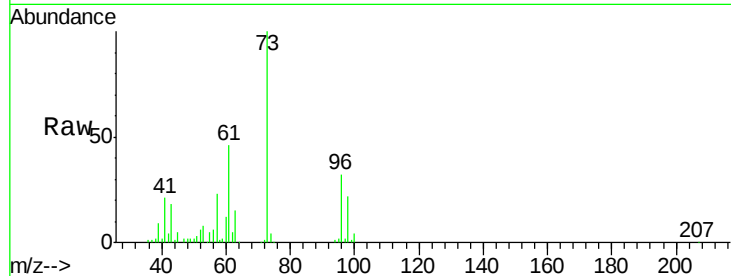
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	80687
Ion	Ratio	Lower	Upper
96	100		
61	141.2	112.5	168.7
98	66.5	49.4	74.0

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#22

Diisopropyl ether

Concen: 52.712 ug/l

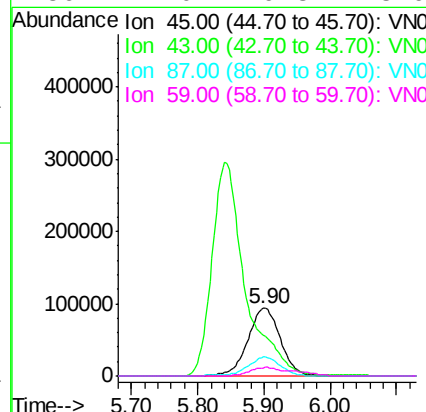
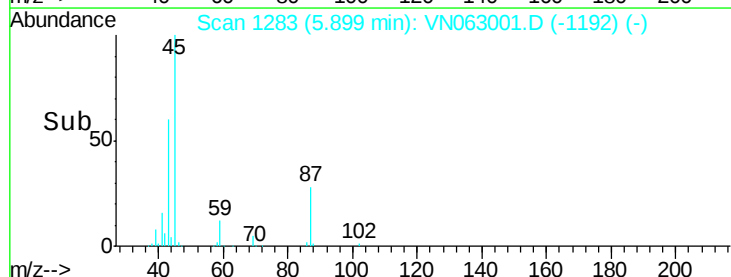
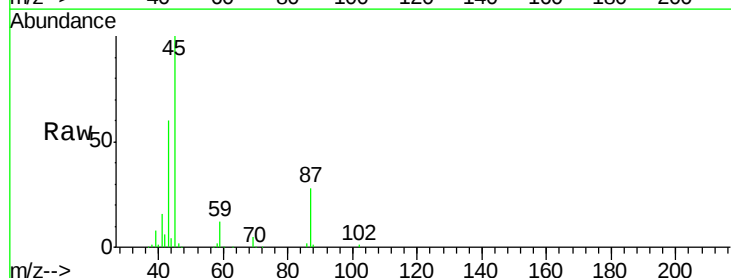
RT: 5.90 min Scan# 1283

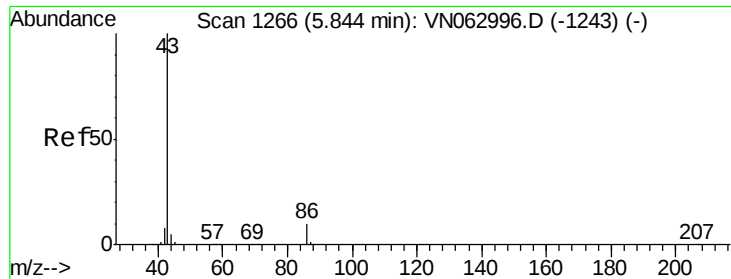
Delta R.T. -0.01 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Tgt Ion:	45	Resp:	319709
Ion	Ratio	Lower	Upper
45	100		
43	58.6	45.7	68.5
87	27.7	21.8	32.6
59	12.0	9.3	13.9





#23

Vinyl Acetate

Concen: 251.270 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1028424

Ion Ratio Lower Upper

43 100

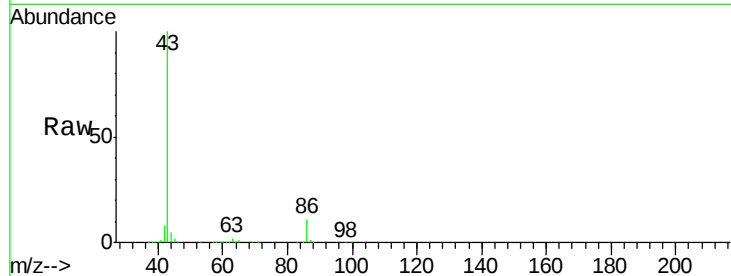
86 10.6 8.0 12.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-1243) (-)

Ion 86.00 (85.70 to 86.70): VN062996.D (-1243) (-)

5.84

300000

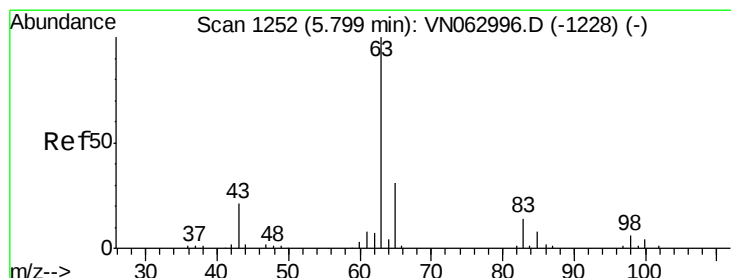
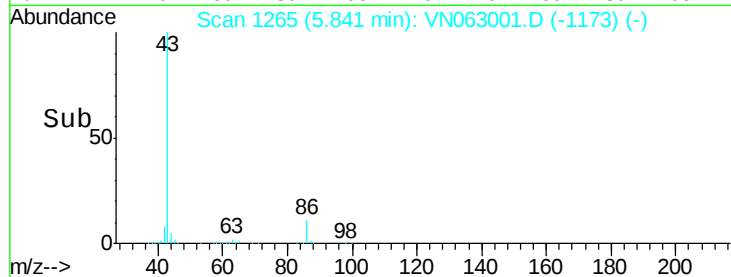
200000

100000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 49.712 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

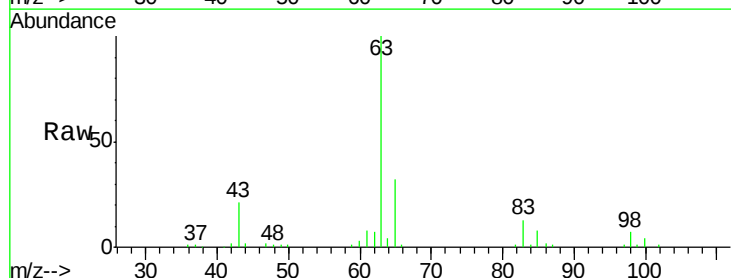
Tgt Ion: 63 Resp: 168488

Ion Ratio Lower Upper

63 100

98 6.8 2.9 8.7

100 4.1 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN062996.D (-1228) (-)

Ion 97.90 (97.60 to 98.60): VN062996.D (-1228) (-)

Ion 99.90 (99.60 to 100.60): VN062996.D (-1228) (-)

5.80

60000

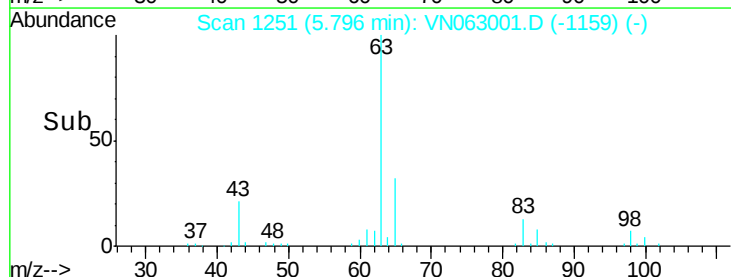
40000

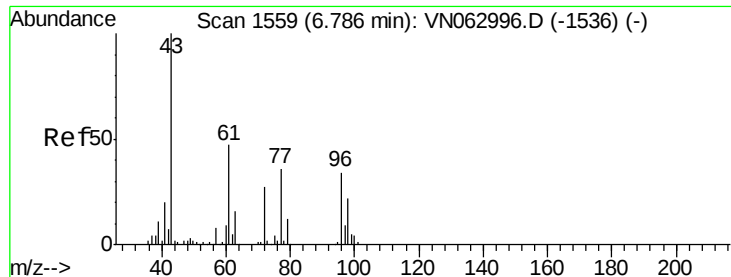
20000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 270.027 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 303425

Ion Ratio Lower Upper

43 100

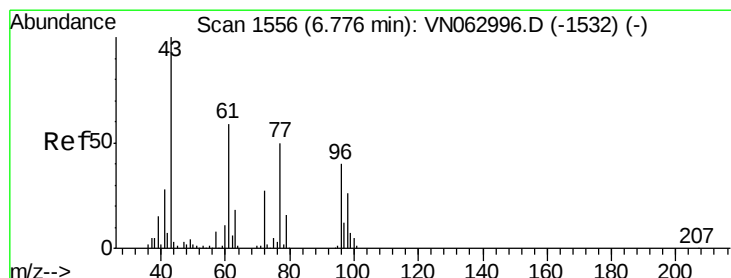
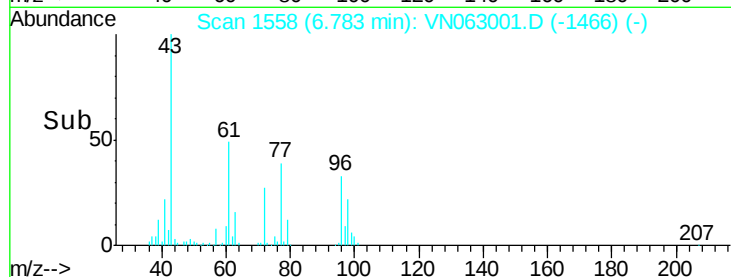
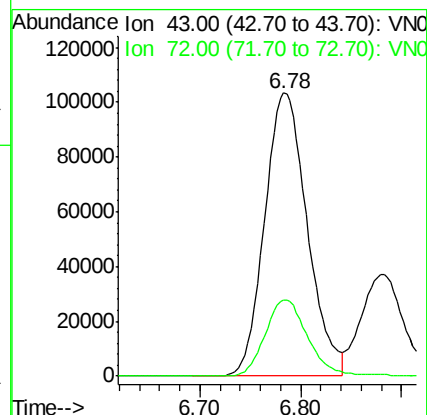
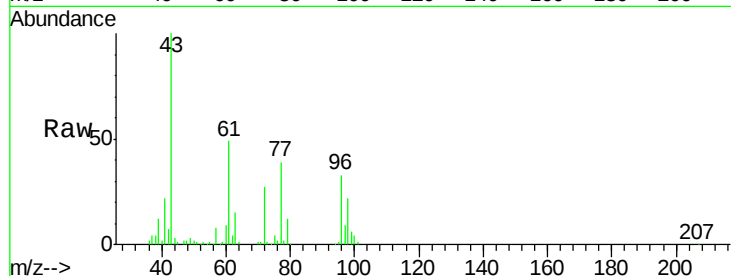
72 26.7 21.8 32.6

Manual Integrations

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MMDadoda

8/20/2020 10:09:31 AM



#26

2,2-Dichloropropane

Concen: 53.544 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN063001.D

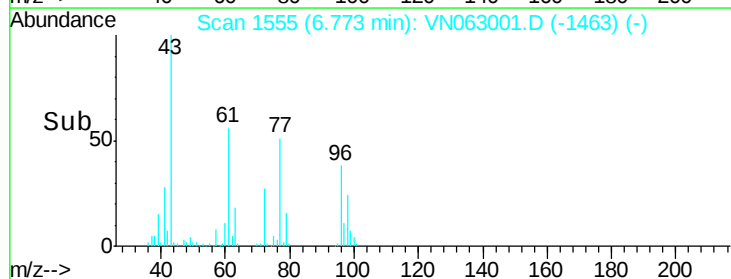
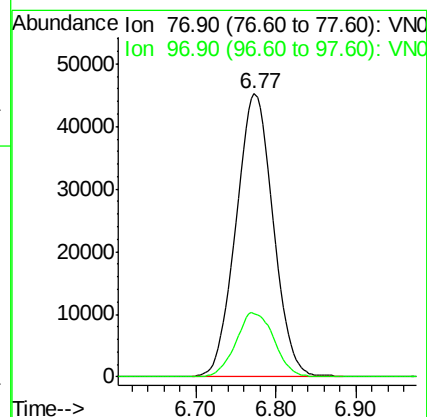
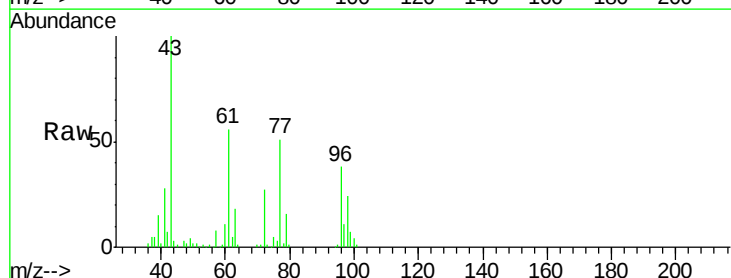
Acq: 19 Aug 2020 9:46

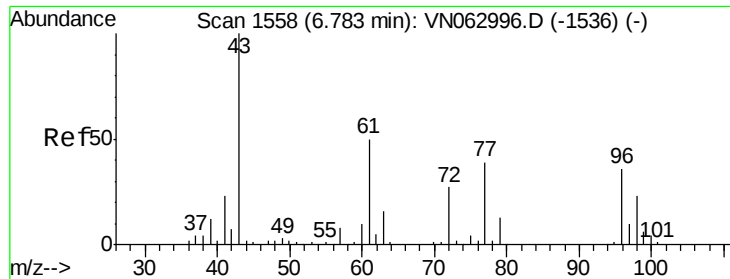
Tgt Ion: 77 Resp: 142721

Ion Ratio Lower Upper

77 100

97 23.2 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 51.500 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

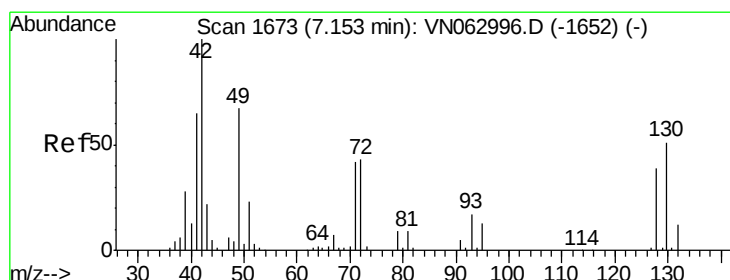
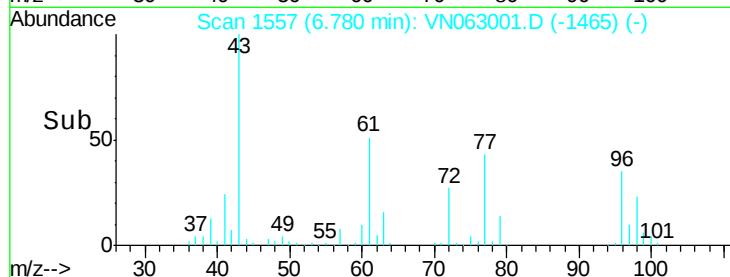
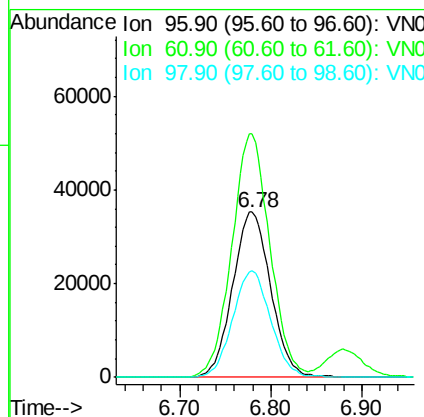
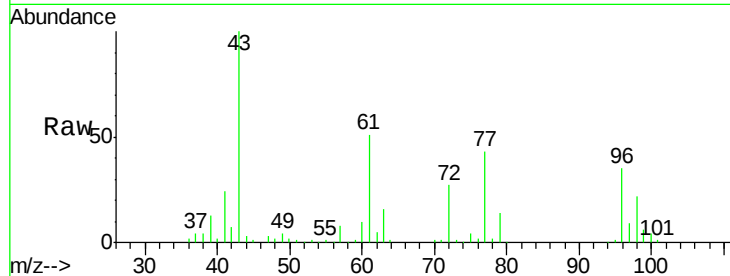
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	102403
Ion Ratio	Lower	Upper	
96	100		
61	147.1	0.0	292.8
98	64.6	0.0	130.6

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#28

Bromochloromethane

Concen: 49.195 ug/l

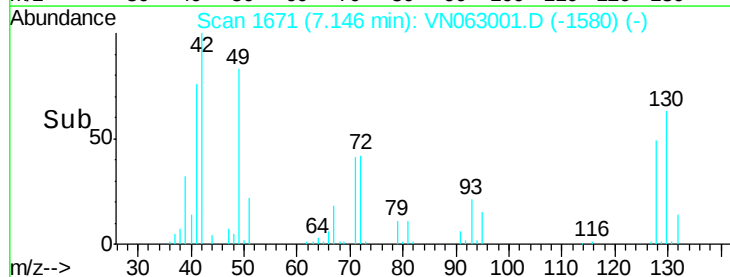
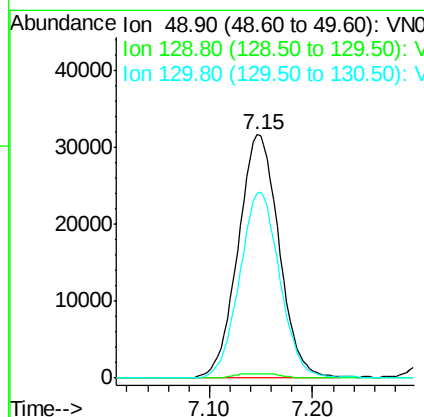
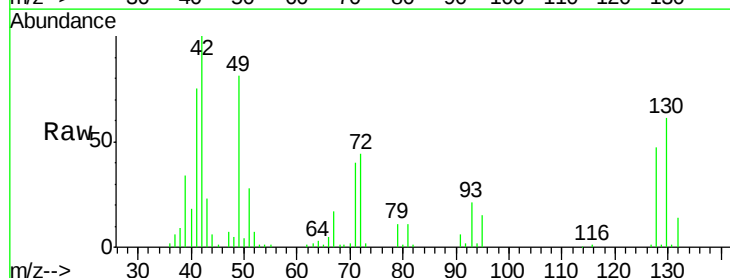
RT: 7.15 min Scan# 1671

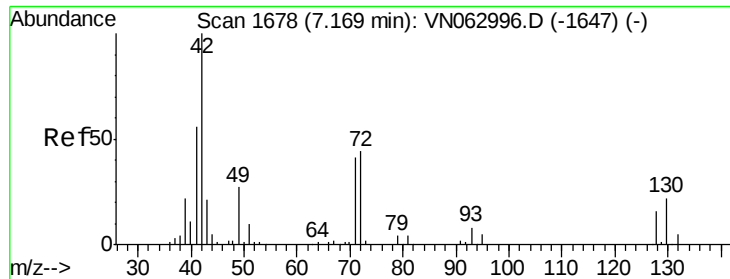
Delta R.T. -0.01 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Tgt Ion:	49	Resp:	87242
Ion Ratio	Lower	Upper	
49	100		
129	1.3	0.0	3.6
130	74.9	61.1	91.7





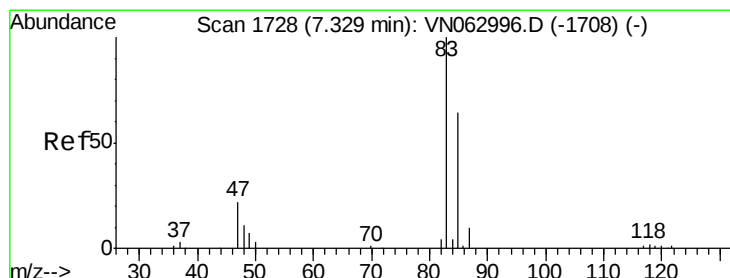
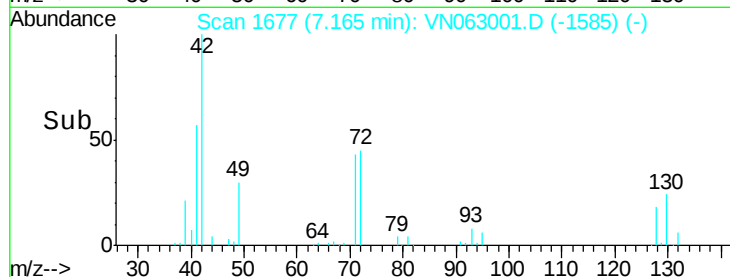
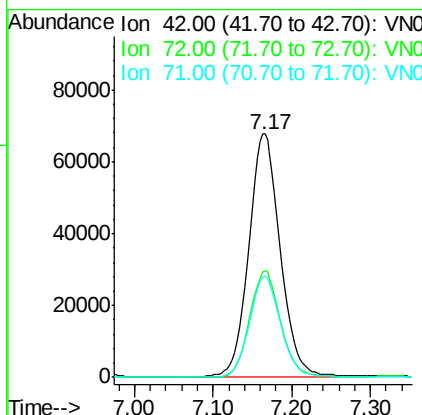
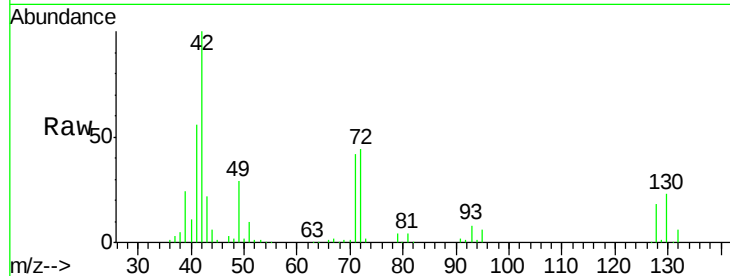
#29
Tetrahydrofuran
Concen: 265.963 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.6	52.0
71	41.0	32.3	48.5

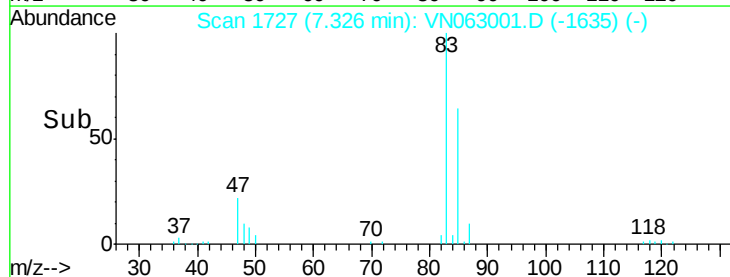
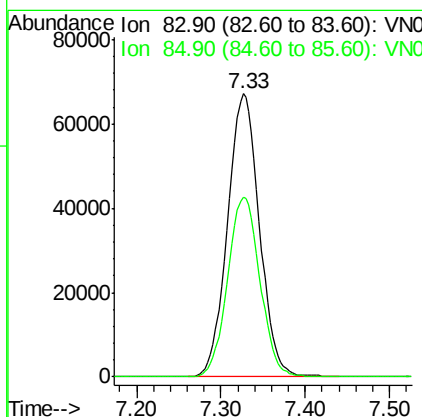
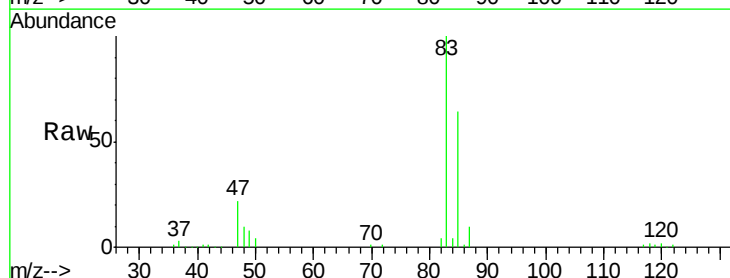
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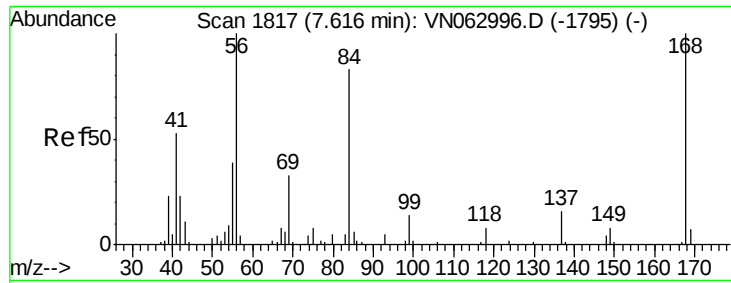
MMDadoda
8/20/2020 10:09:31 AM



#30
Chloroform
Concen: 51.714 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.5	77.3





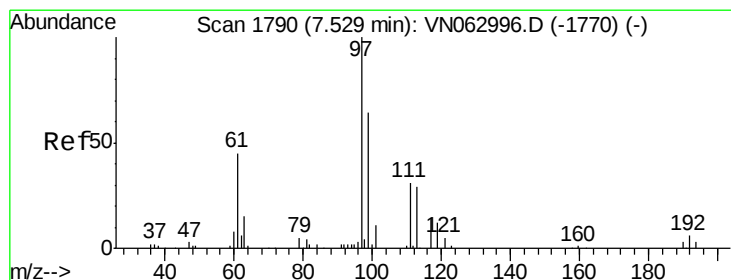
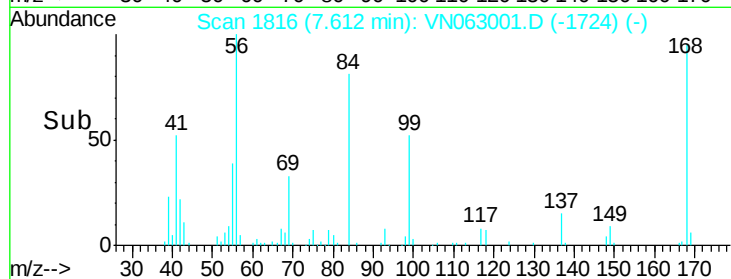
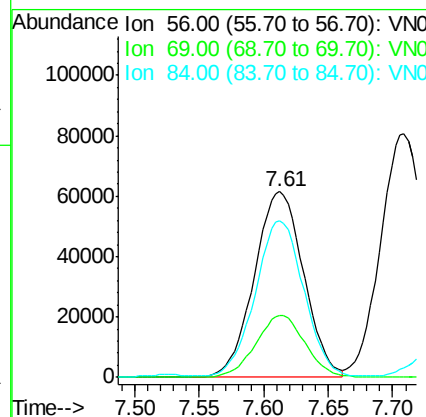
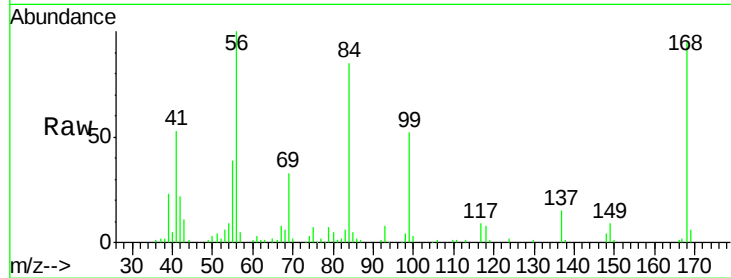
#31
Cyclohexane
Concen: 52.616 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	164134
Ion	Ratio	Lower	Upper
56	100		
69	33.4	26.6	40.0
84	83.8	66.4	99.6

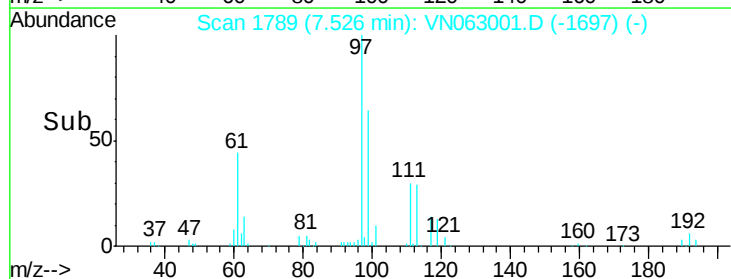
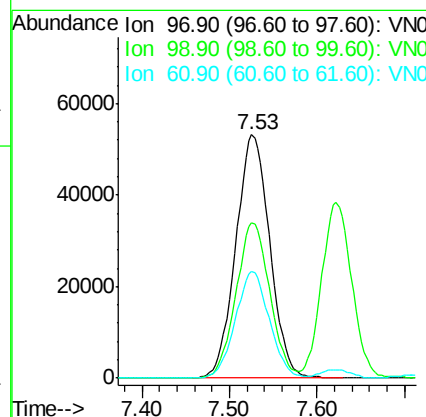
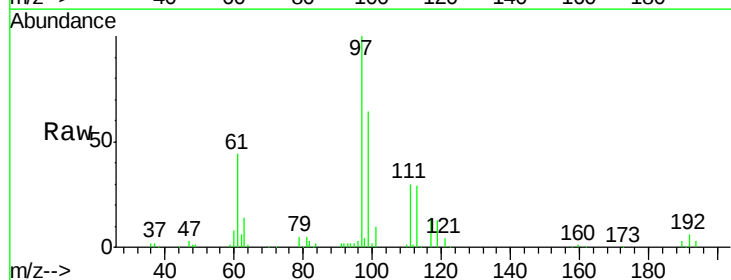
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#32
1,1,1-Trichloroethane
Concen: 51.521 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Tgt Ion	97	Resp	143576
Ion	Ratio	Lower	Upper
97	100		
99	63.4	52.0	78.0
61	43.8	36.2	54.4





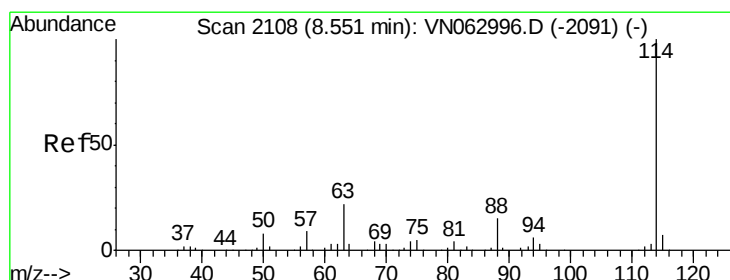
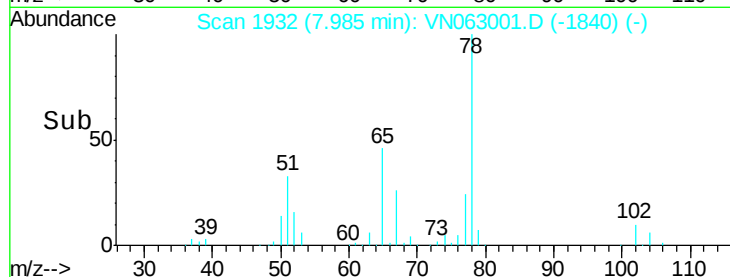
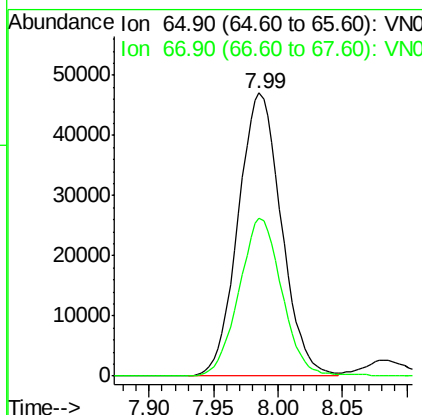
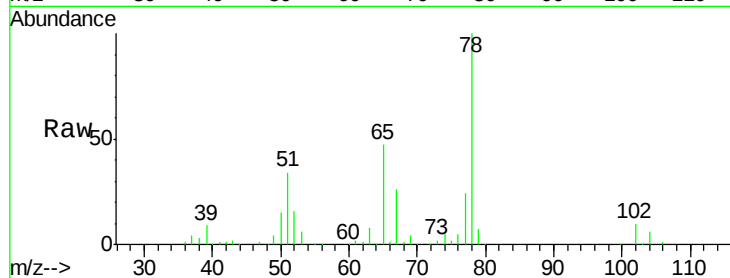
#33
 1,2-Dichloroethane-d4
 Concen: 51.933 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	109919		
67	55.1	0.0	112.0	

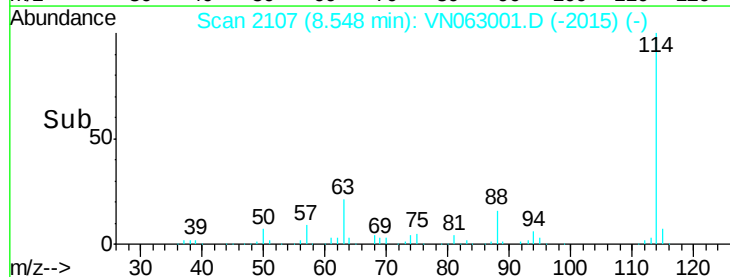
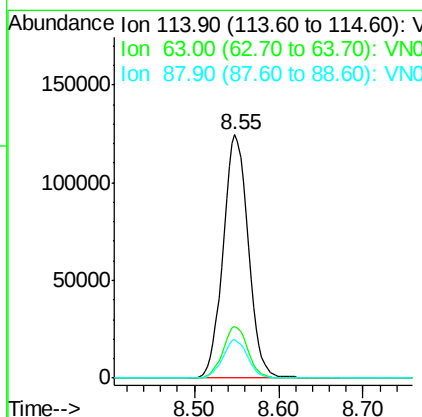
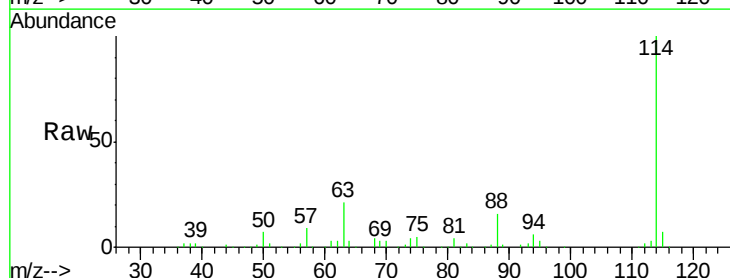
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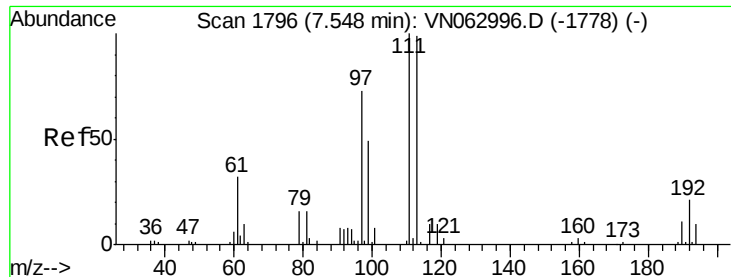
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	258589		
63	21.3	0.0	43.2	
88	15.9	0.0	30.6	





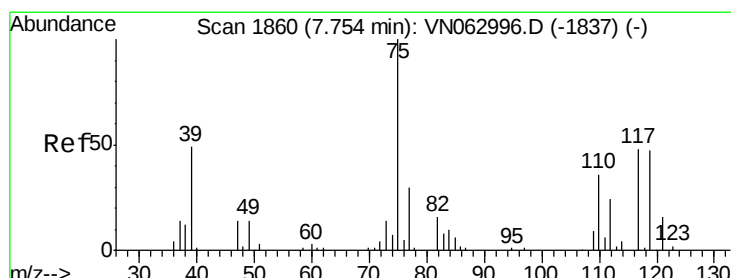
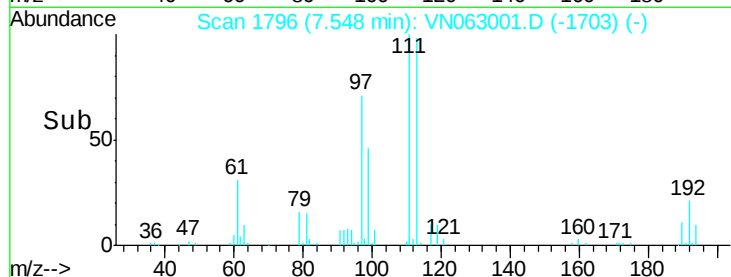
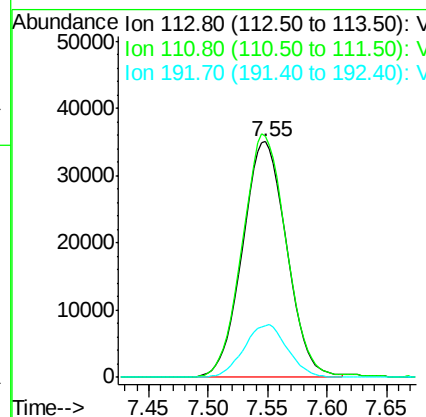
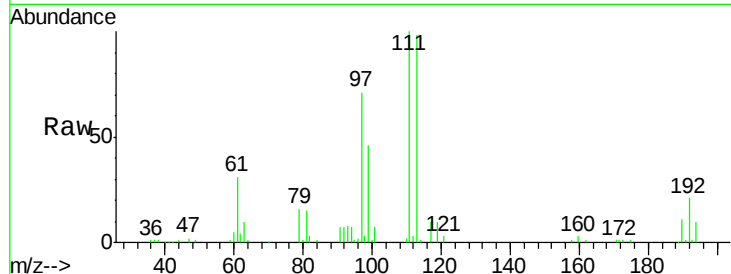
#35
 Dibromofluoromethane
 Concen: 53.550 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.5	81.7	122.5	
192	21.9	17.5	26.3	

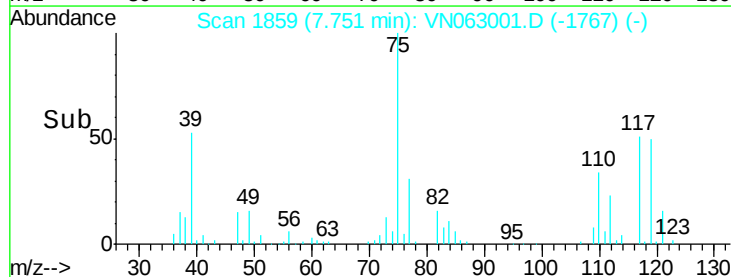
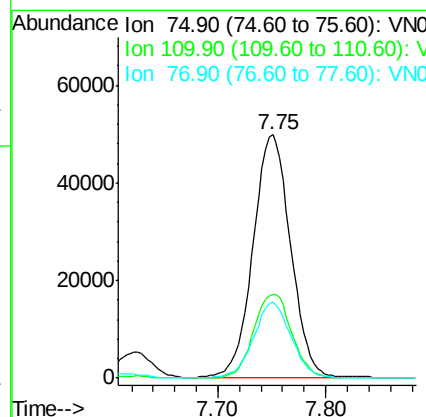
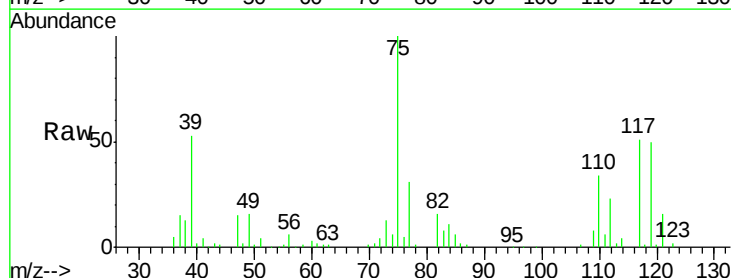
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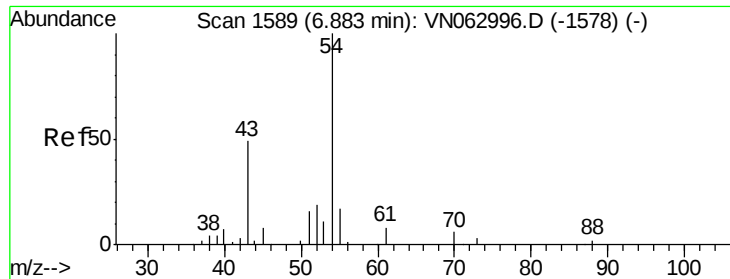
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#36
 1,1-Dichloropropene
 Concen: 53.011 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.0	17.5	52.6	
77	31.2	24.2	36.4	





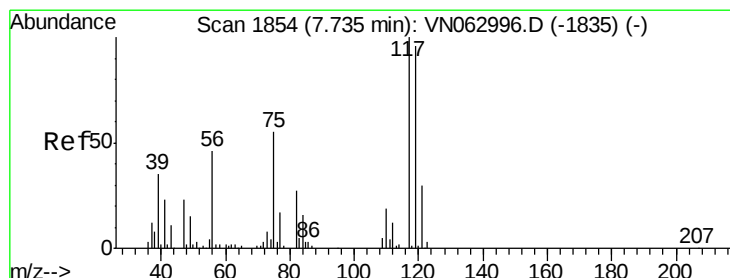
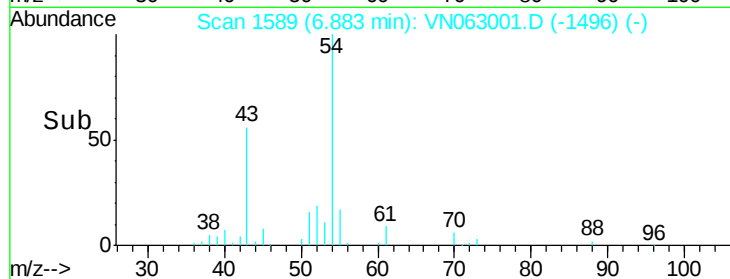
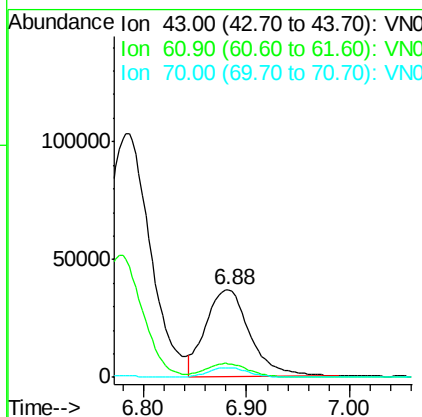
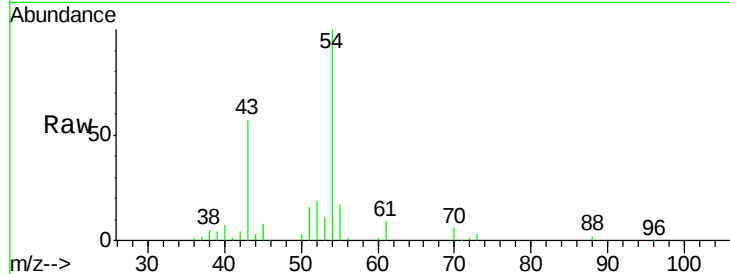
#37
Ethyl Acetate
Concen: 51.349 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	109645
Ion Ratio	Lower	Upper	
43	100		
61	14.5	11.8	17.8
70	10.4	8.2	12.2

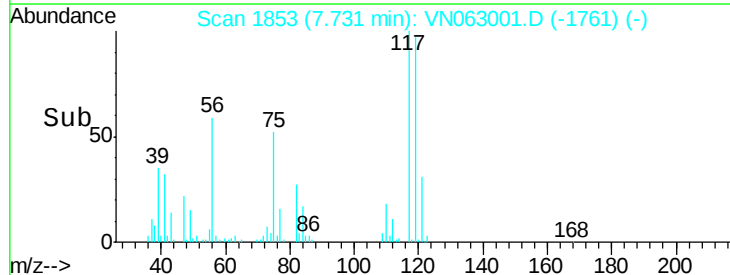
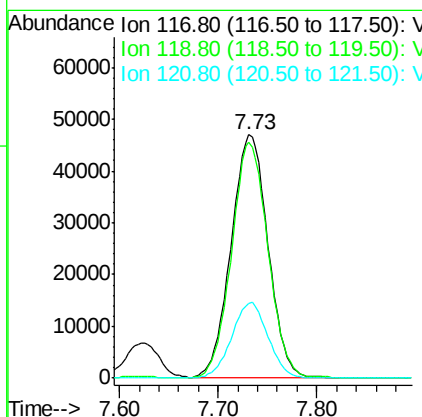
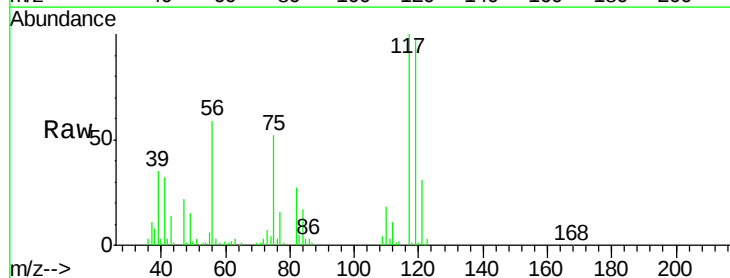
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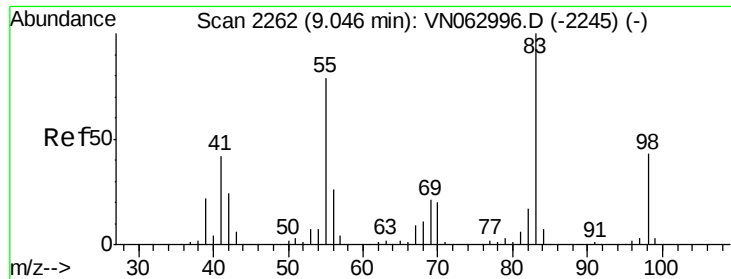
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#38
Carbon Tetrachloride
Concen: 53.312 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Tgt Ion	117	Resp	122652
Ion Ratio	Lower	Upper	
117	100		
119	97.1	76.2	114.4
121	30.8	24.2	36.2





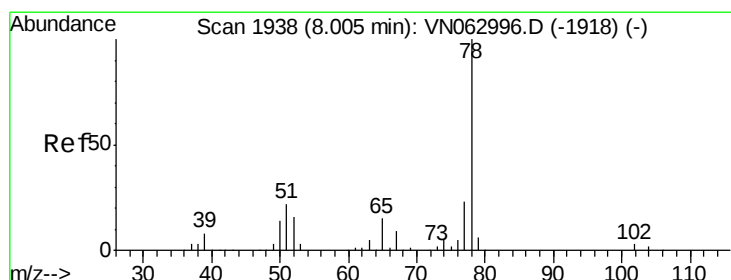
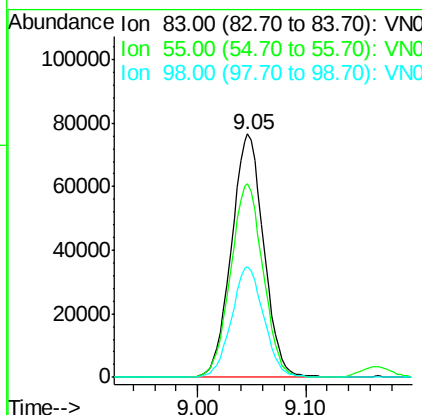
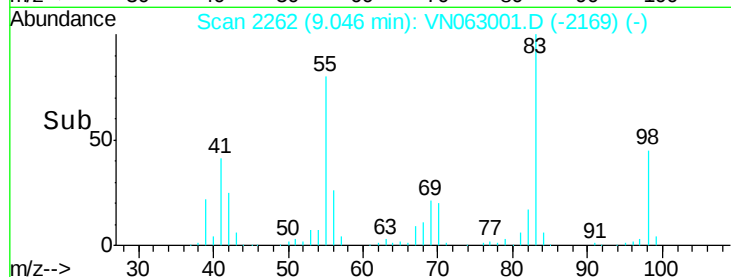
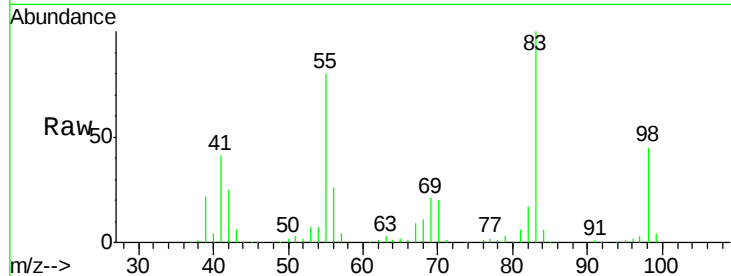
#39
Methvlcvclohexane
Concen: 51.890 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.7	63.3	94.9
98	45.5	34.2	51.4

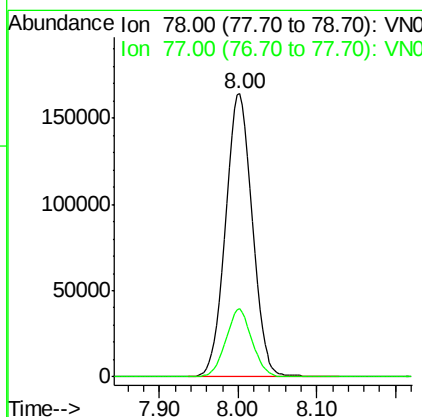
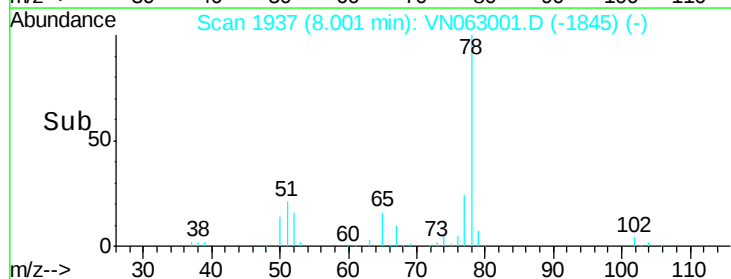
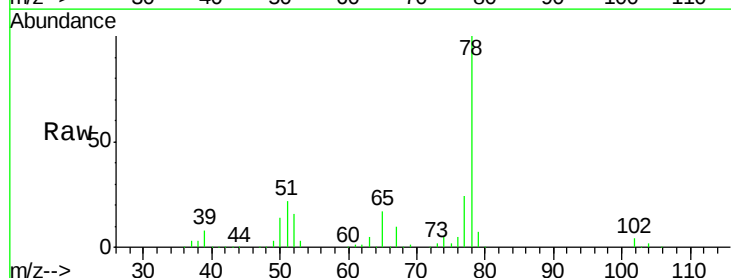
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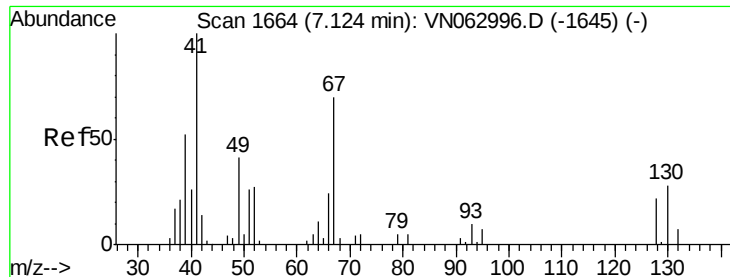
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#40
Benzene
Concen: 53.414 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2





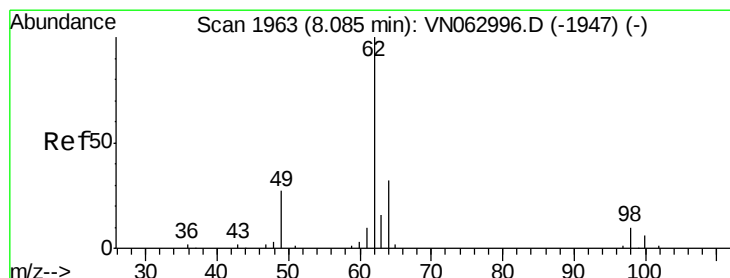
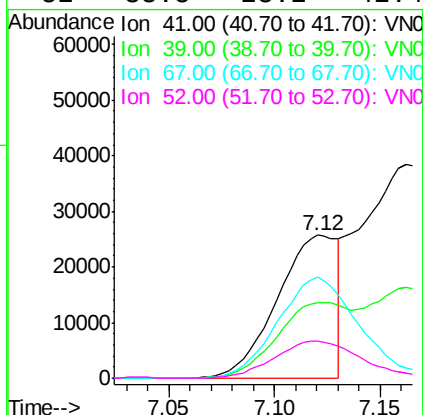
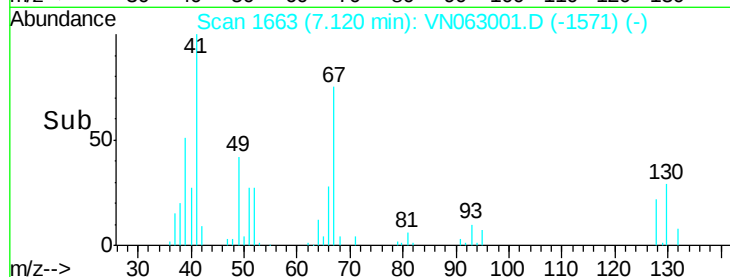
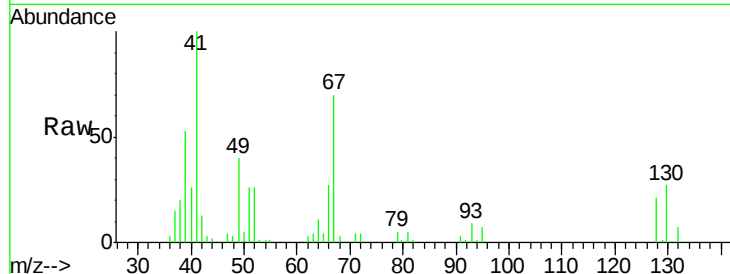
#41
Methacrylonitrile
Concen: 50.220 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.6	41.6	62.4#
67	96.5	71.8	107.8
52	38.5	28.2	42.4

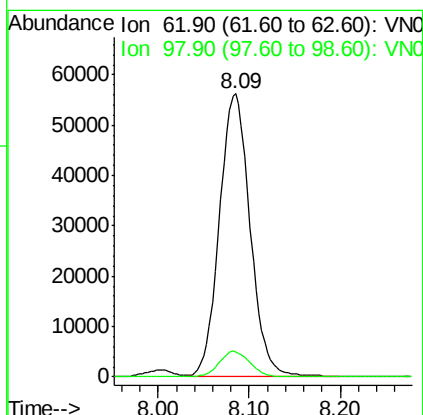
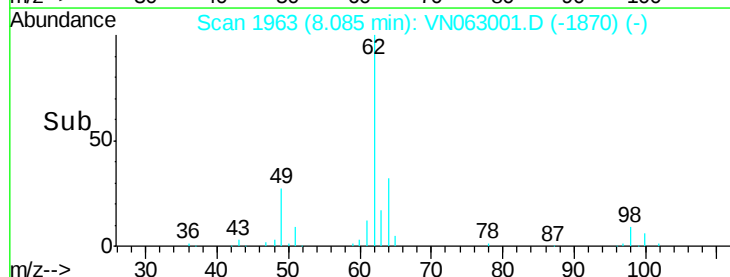
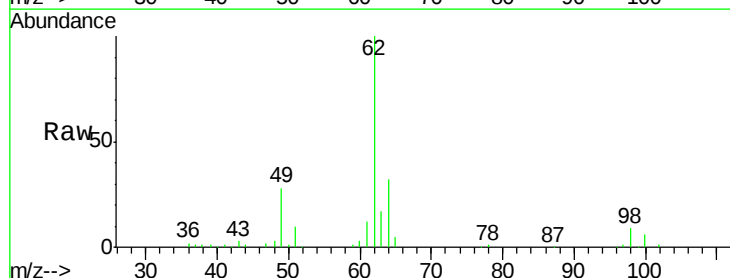
Manual Integrations
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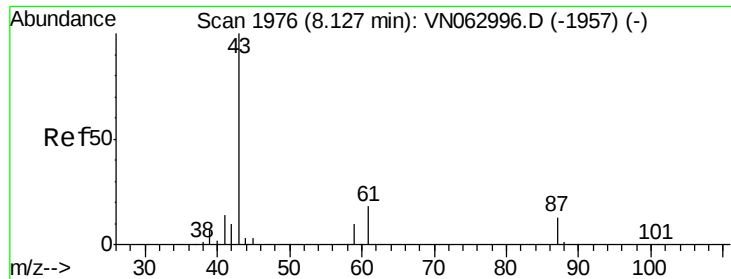
MMDadoda
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#42
1,2-Dichloroethane
Concen: 54.483 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.4





#43

Isopropyl Acetate

Concen: 53.160 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

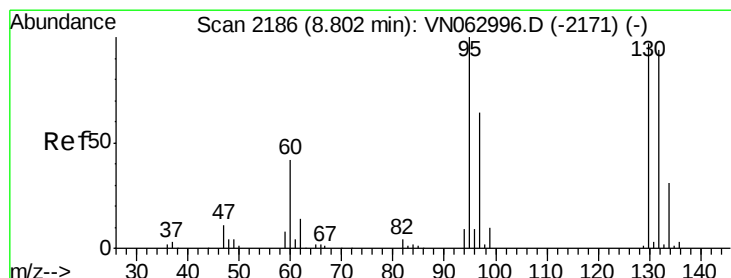
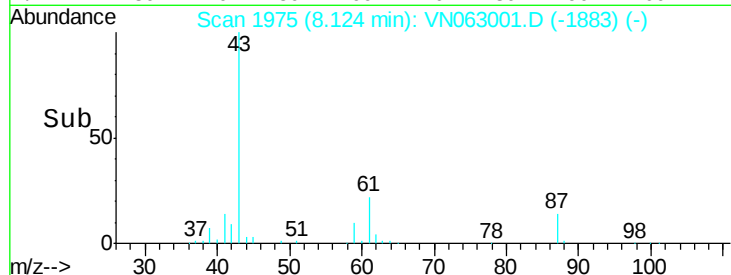
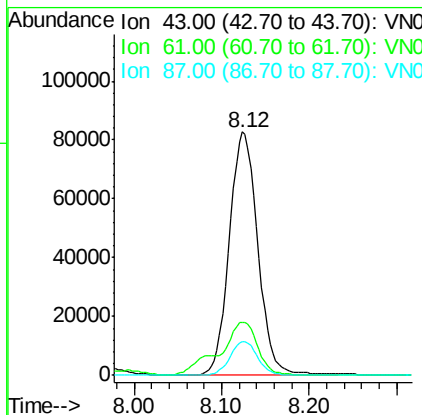
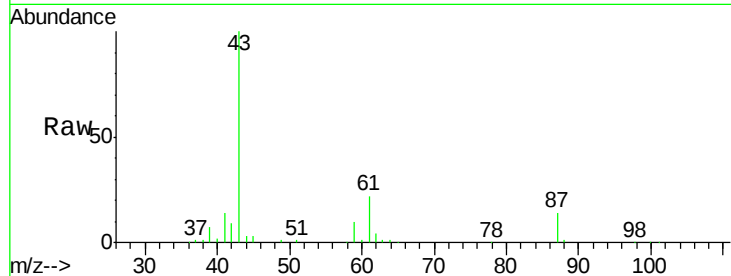
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	188054
Ion Ratio		Lower	Upper
43	100		
61	22.0	22.6	33.8#
87	13.3	10.5	15.7

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#44

Trichloroethene

Concen: 52.275 ug/l

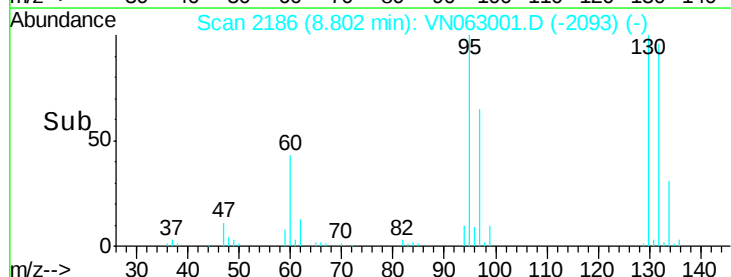
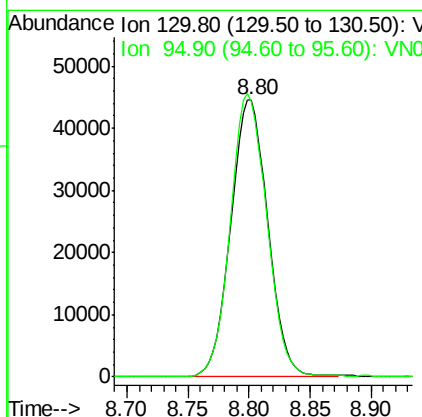
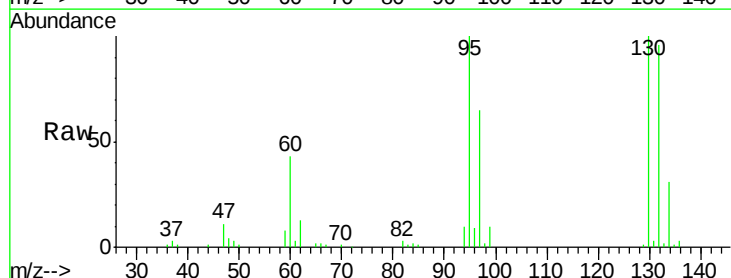
RT: 8.80 min Scan# 2186

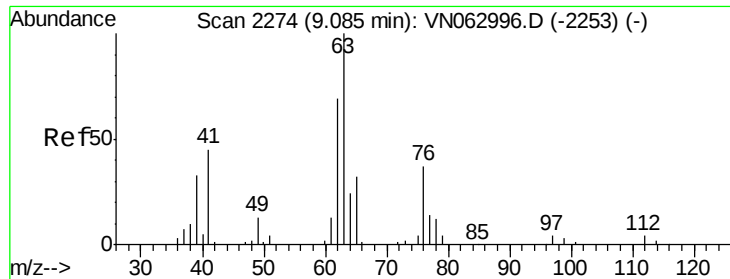
Delta R.T. 0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Tgt Ion:	130	Resp:	93981
Ion Ratio		Lower	Upper
130	100		
95	99.6	0.0	205.6





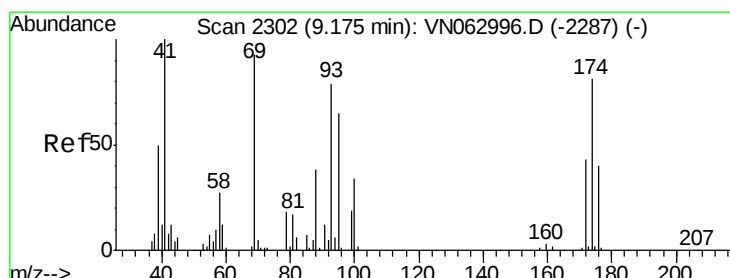
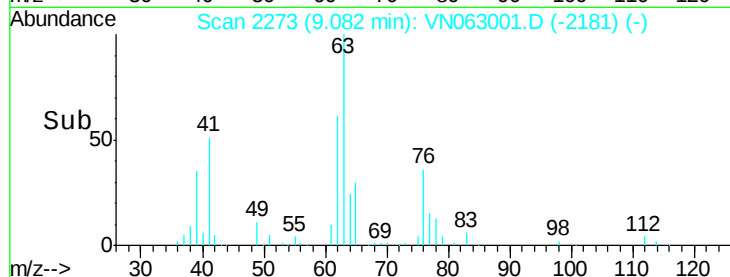
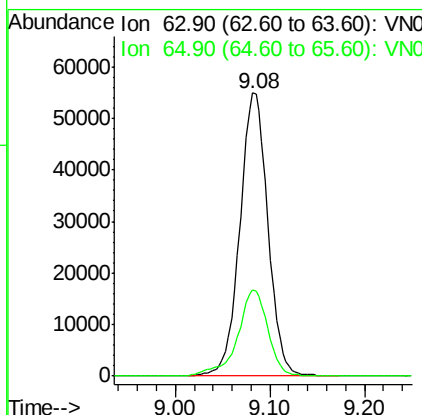
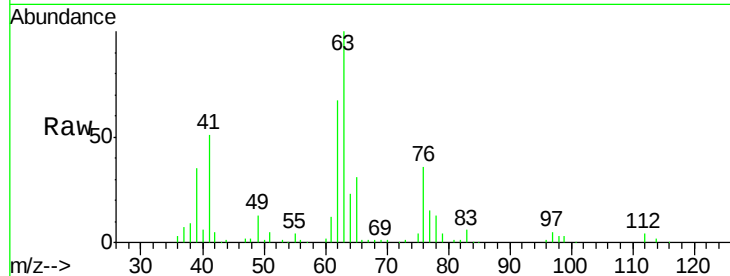
#45
 1,2-Dichloropropane
 Concen: 54.205 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 113245
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.6 38.4

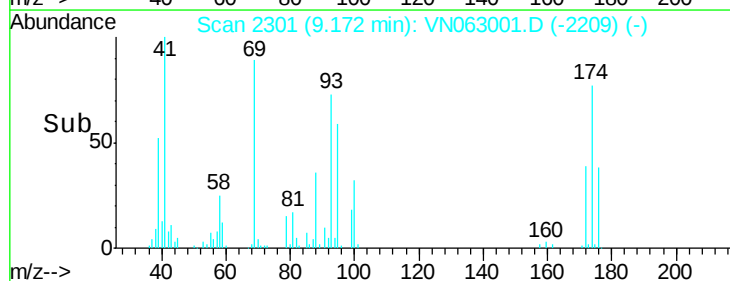
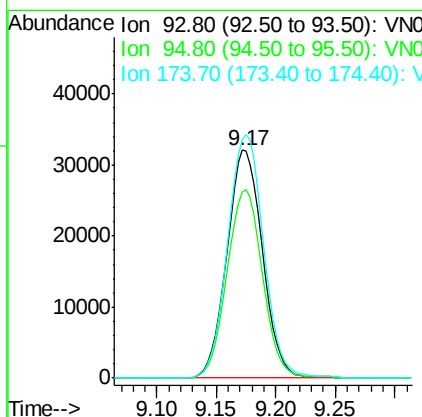
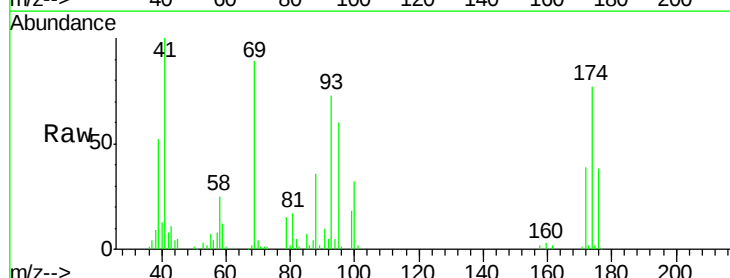
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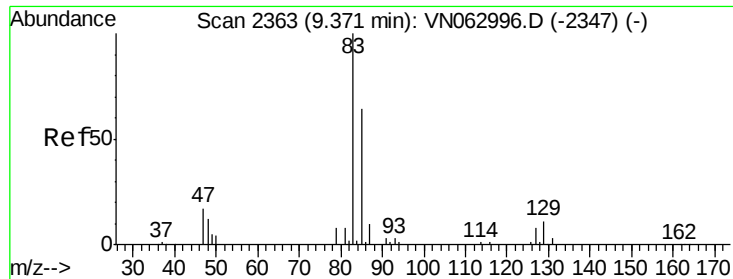
MMDadoda
 8/20/2020 10:09:31 AM



#46
 Dibromomethane
 Concen: 55.159 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Tgt Ion: 93 Resp: 66573
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.2 99.4
 174 107.8 84.6 127.0





#47

Bromodichloromethane

Concen: 54.553 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

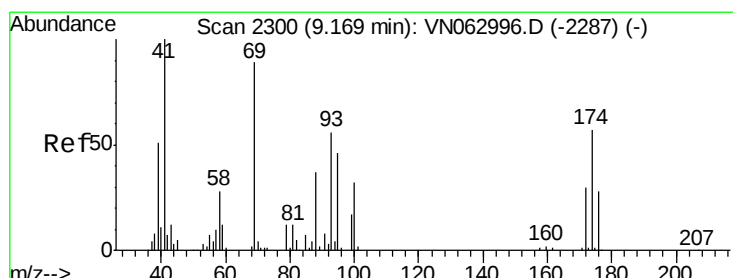
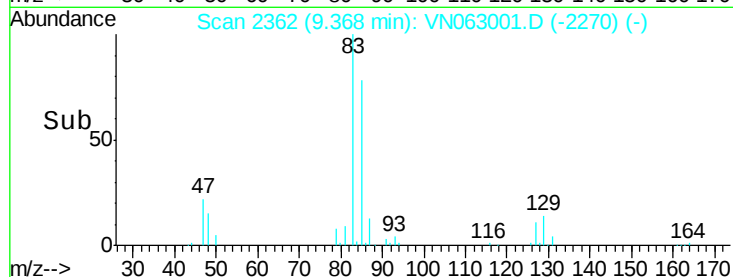
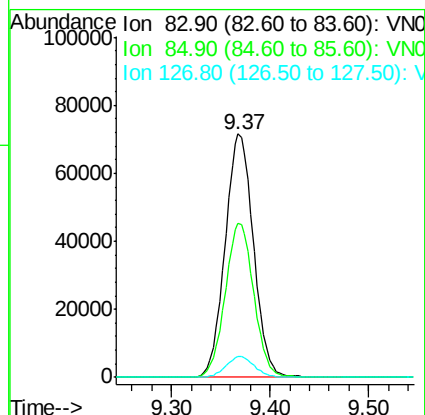
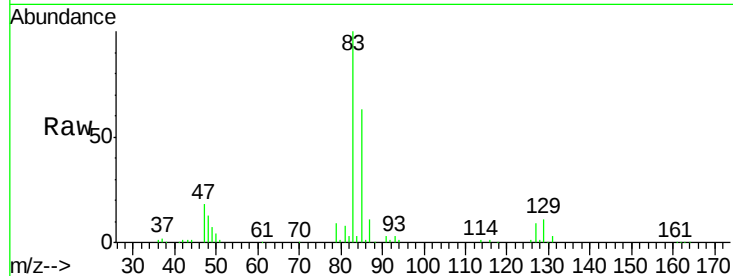
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	144209
Ion Ratio	Lower	Upper	
83	100		
85	63.2	51.1	76.7
127	8.6	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.909 ug/l

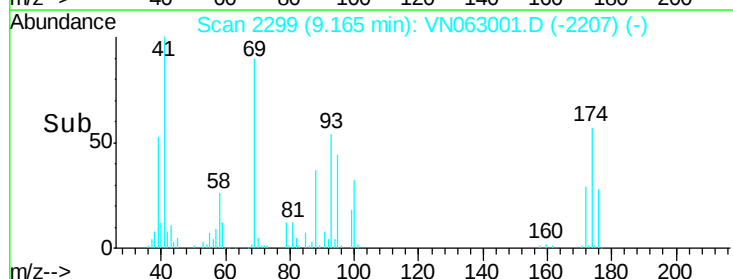
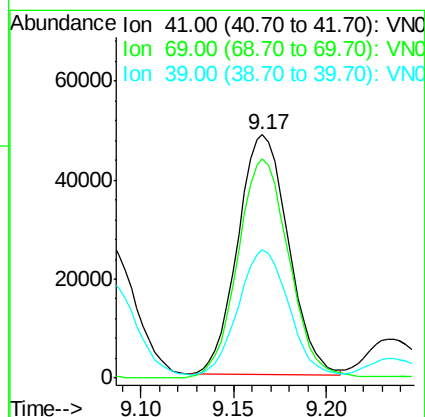
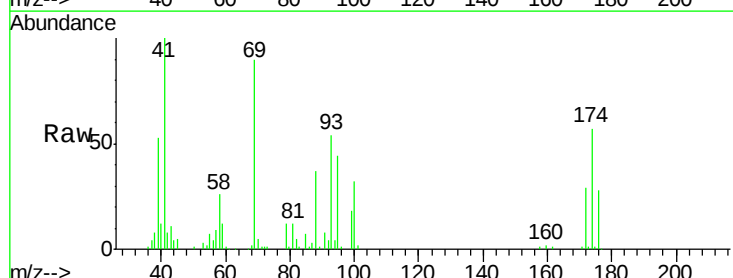
RT: 9.17 min Scan# 2299

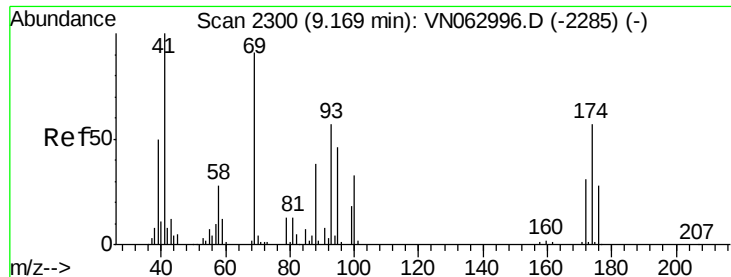
Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Tgt Ion:	41	Resp:	91905
Ion Ratio	Lower	Upper	
41	100		
69	93.3	74.2	111.4
39	51.4	42.5	63.7





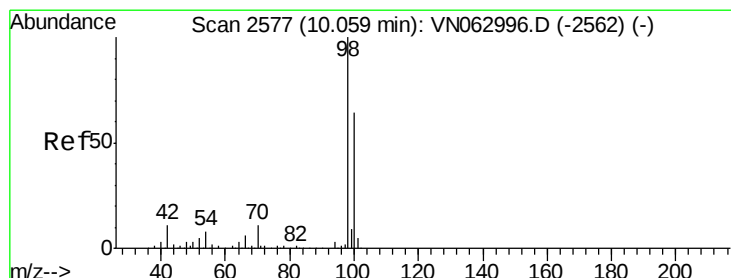
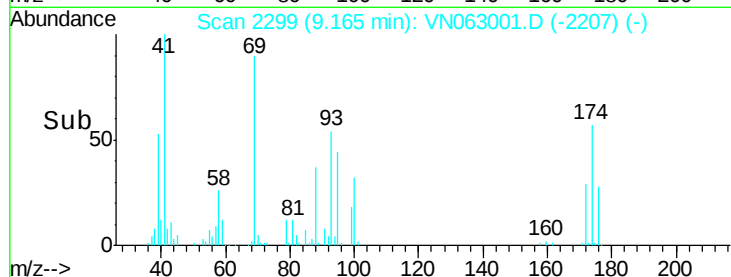
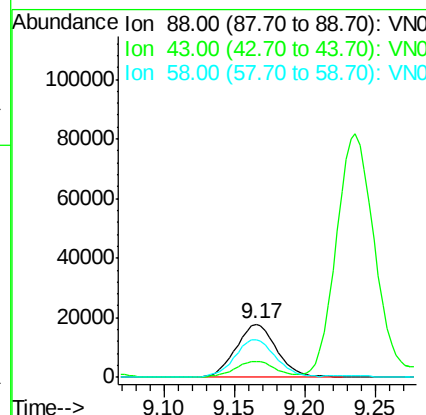
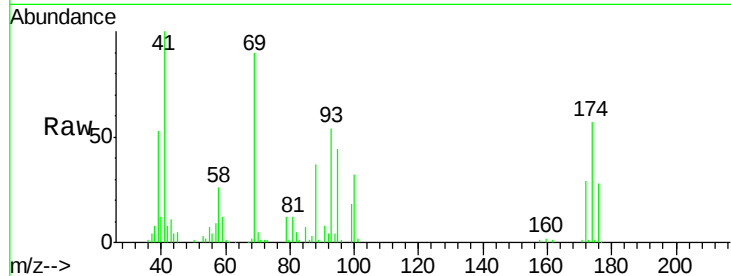
#49
1,4-Dioxane
Concen: 990.481 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.2	25.2	37.8
58	71.2	56.7	85.1

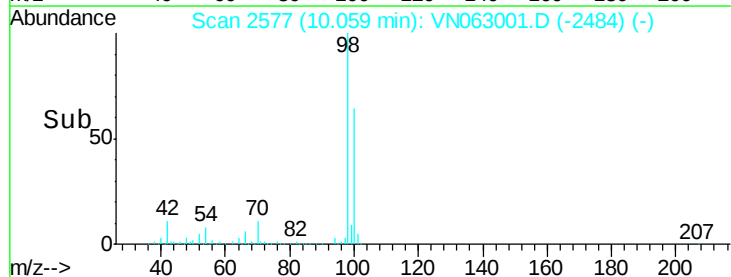
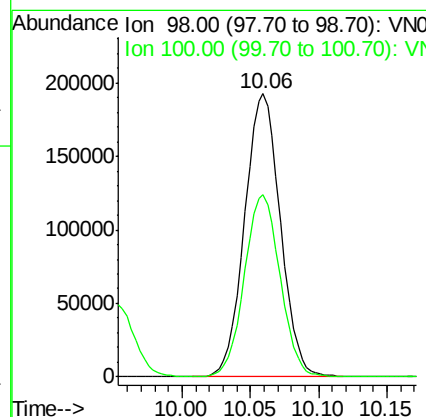
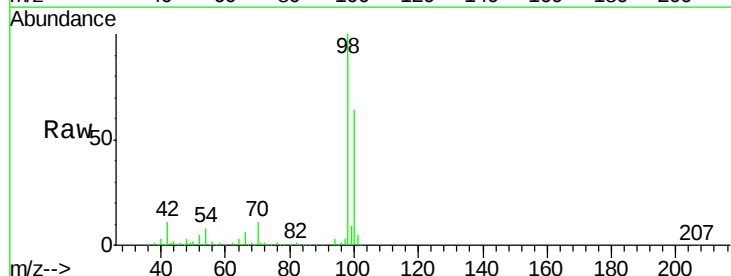
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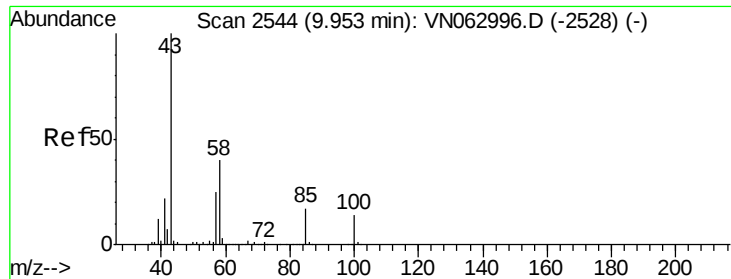
MMDadoda
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#50
Toluene-d8
Concen: 54.148 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 274.139 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 612980

Ion Ratio Lower Upper

43 100

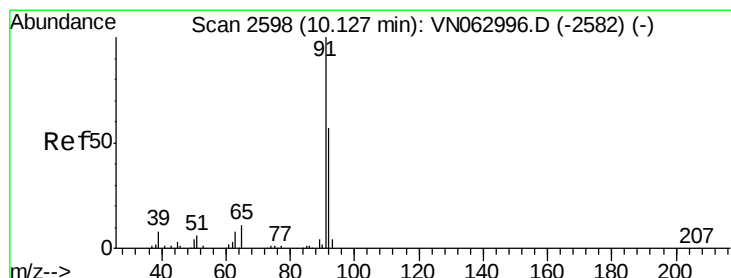
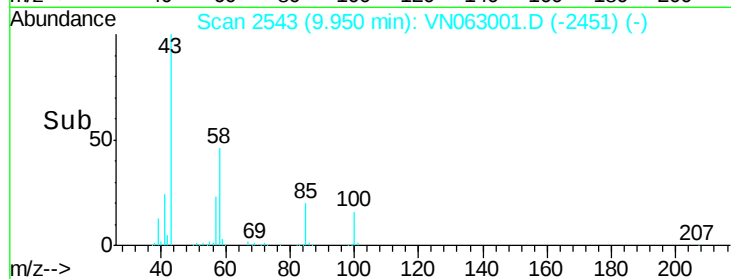
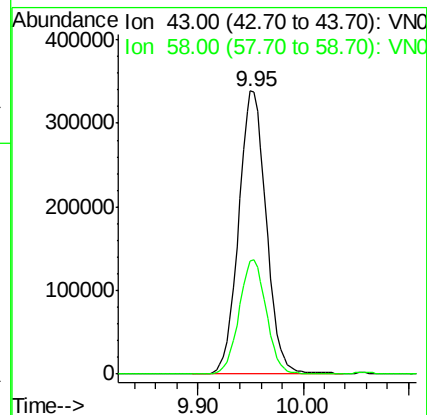
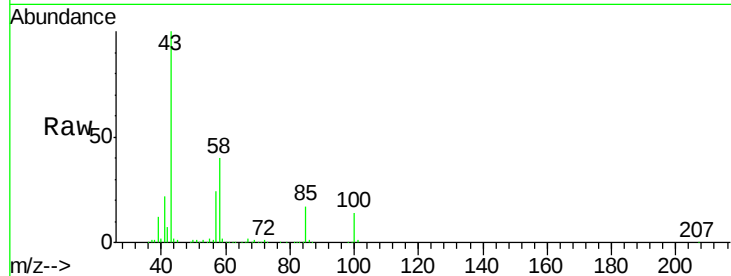
58 39.9 32.2 48.2

Manual Integrations

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#52

Toluene

Concen: 55.903 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN063001.D

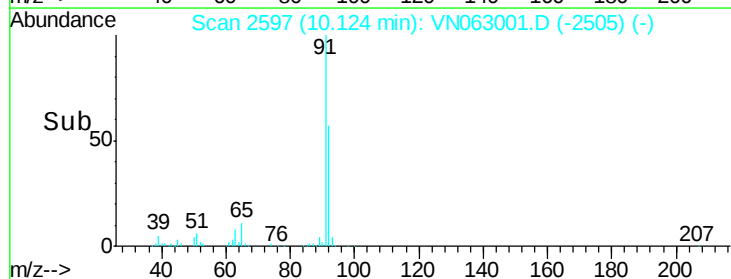
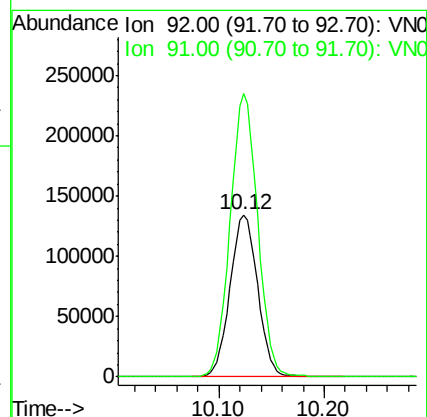
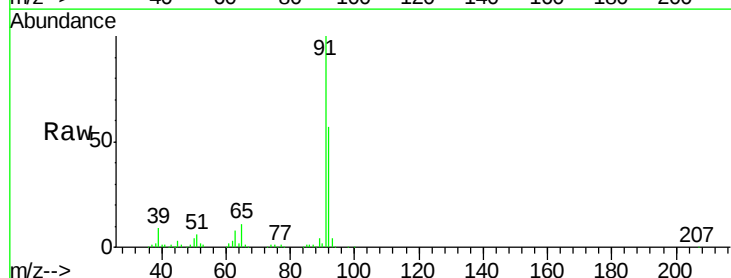
Acq: 19 Aug 2020 9:46

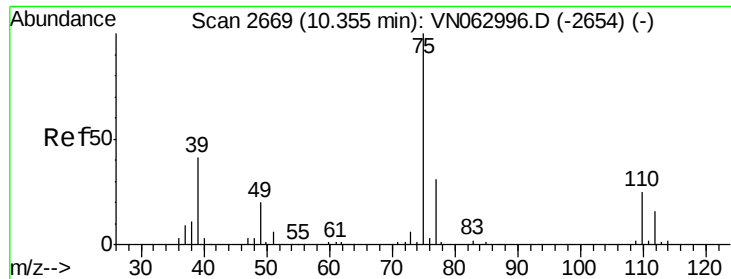
Tgt Ion: 92 Resp: 243737

Ion Ratio Lower Upper

92 100

91 173.8 139.2 208.8





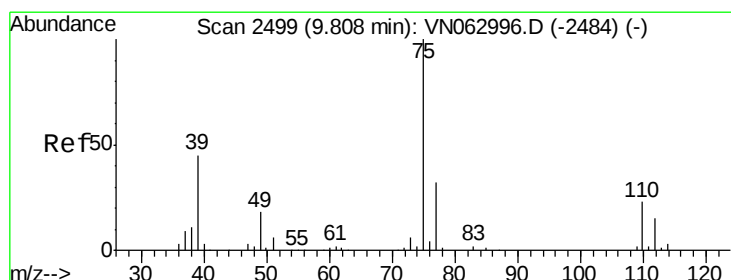
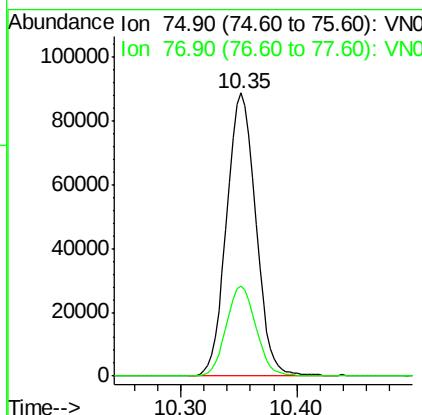
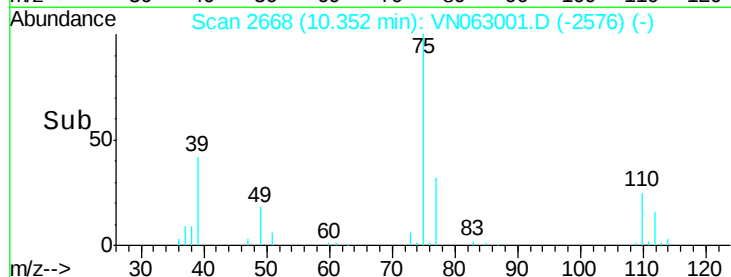
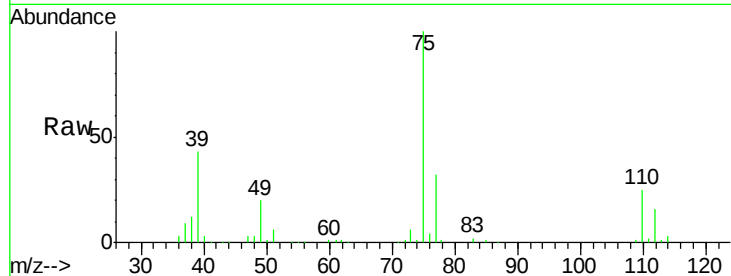
#53
t-1,3-Dichloropropene
Concen: 56.576 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 154657
Ion Ratio Lower Upper
75 100
77 31.9 24.6 37.0

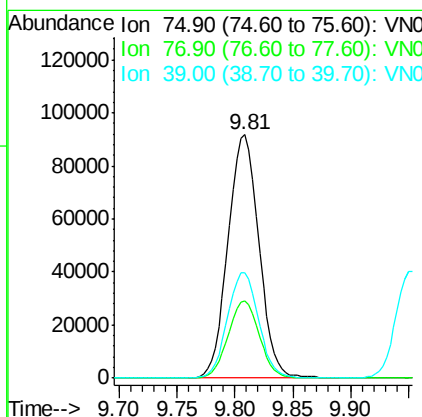
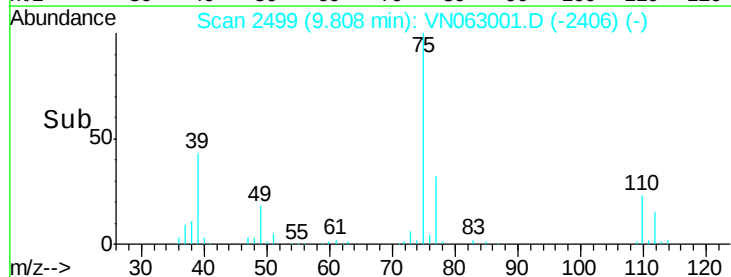
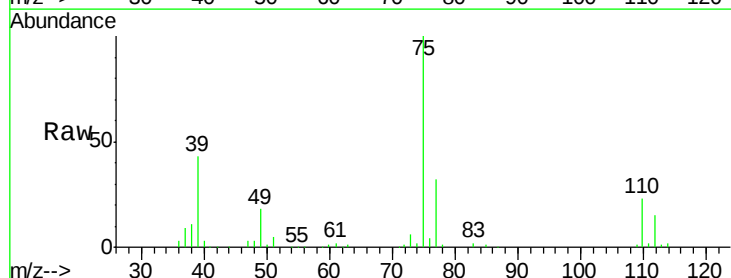
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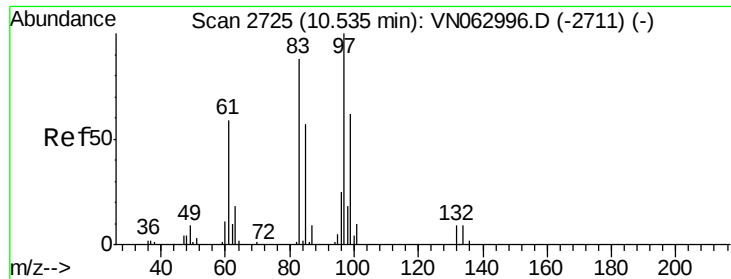
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#54
cis-1,3-Dichloropropene
Concen: 56.588 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Tgt Ion: 75 Resp: 169695
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2
39 43.4 35.7 53.5





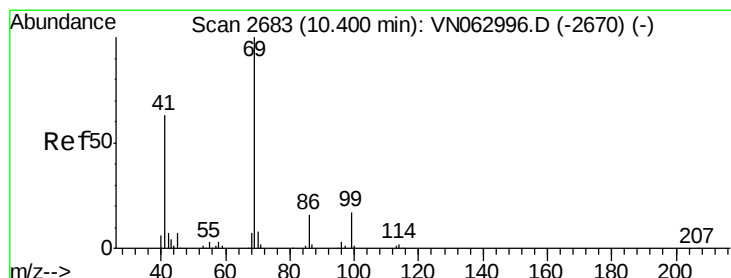
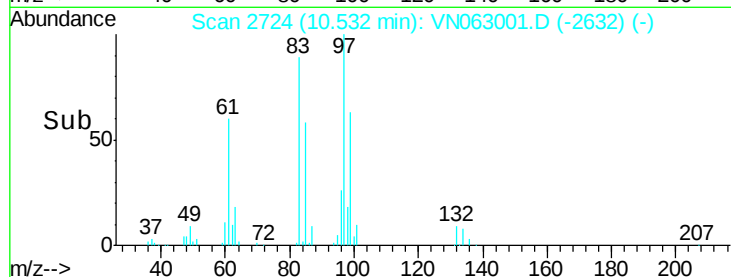
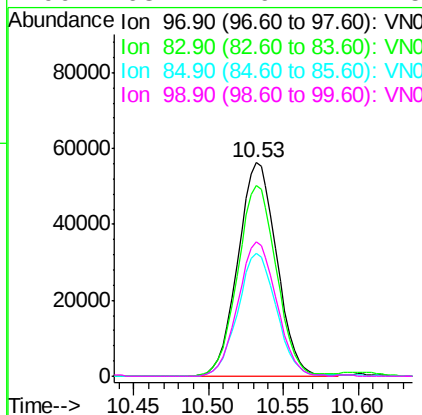
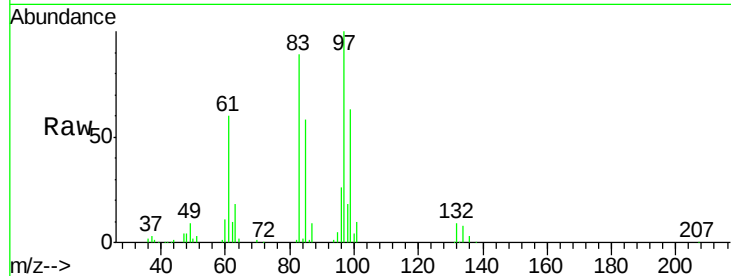
#55
 1,1,2-Trichloroethane
 Concen: 54.520 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	101639
Ion	Ratio	Lower	Upper
97	100		
83	89.5	70.5	105.7
85	57.5	45.8	68.6
99	63.1	49.7	74.5

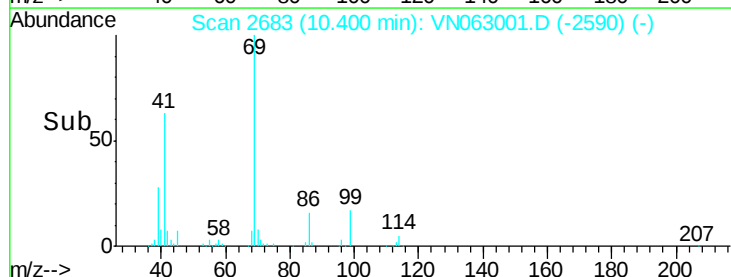
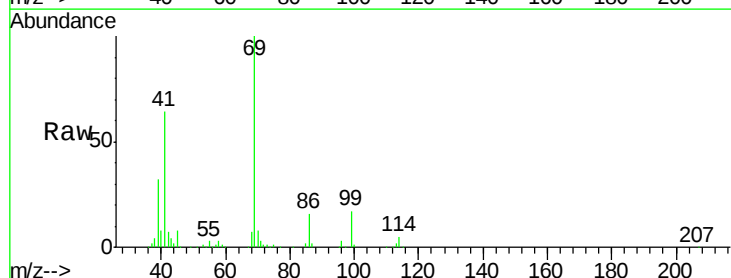
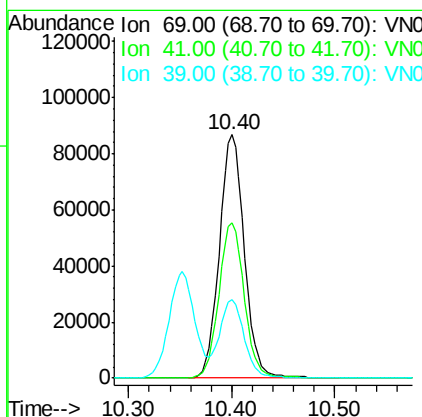
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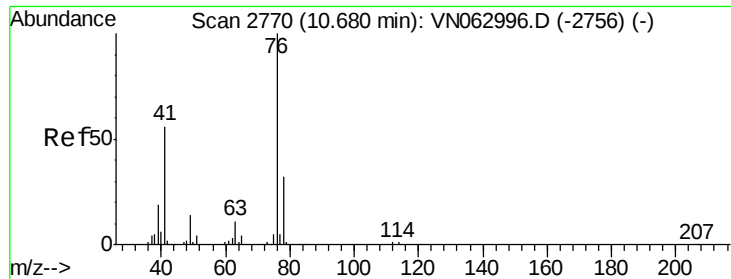
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#56
 Ethyl methacrylate
 Concen: 50.610 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Tgt Ion:	69	Resp:	145786
Ion	Ratio	Lower	Upper
69	100		
41	63.9	50.2	75.2
39	31.7	24.2	36.4





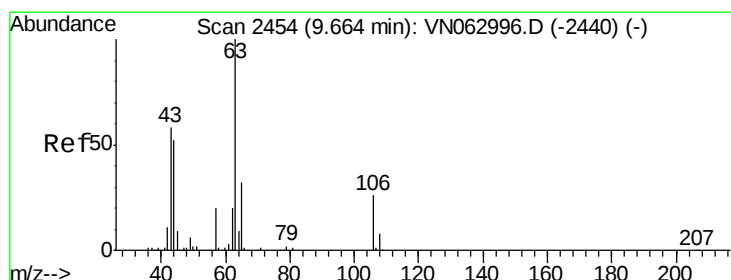
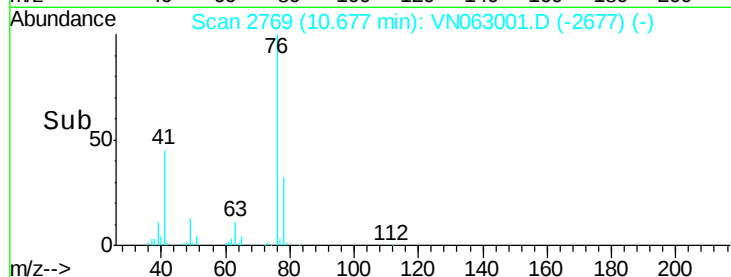
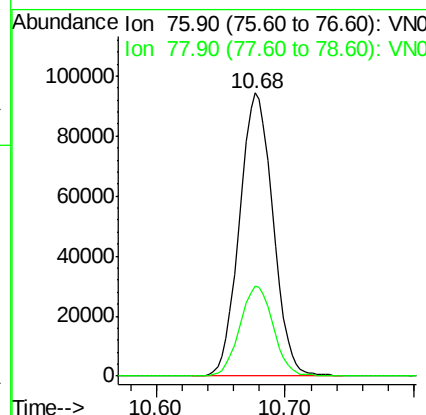
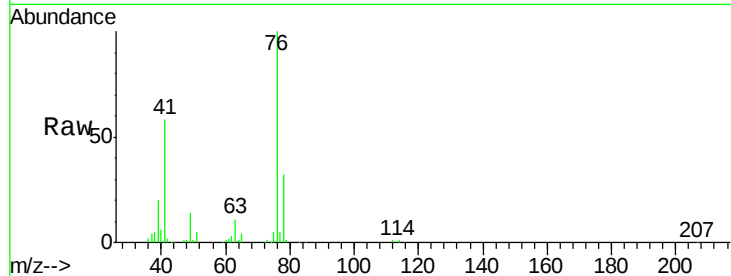
#57
 1,3-Dichloropropane
 Concen: 55.179 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 170817
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.1 39.1

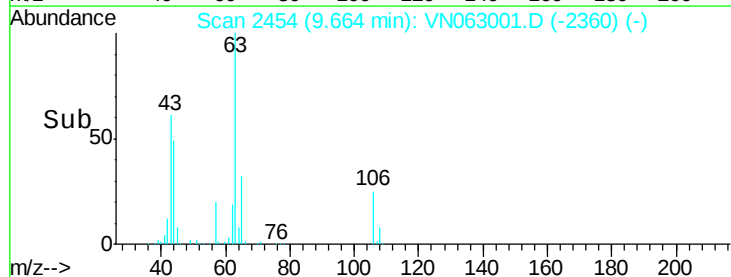
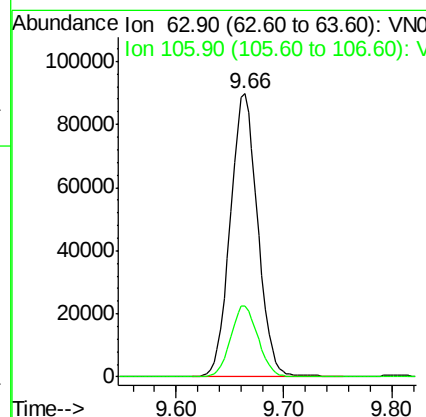
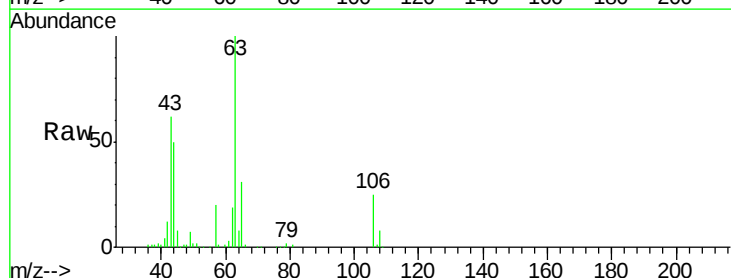
Manual Integrations
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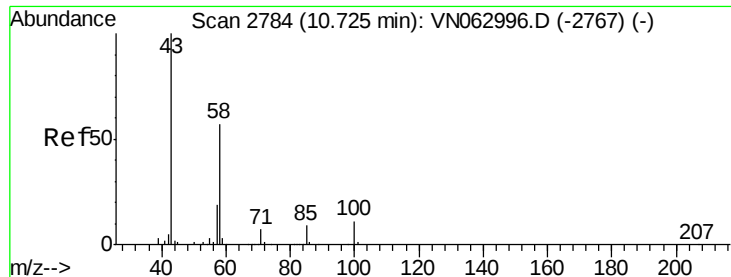
MMDadoda
 8/20/2020 10:09:31 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 228.405 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Tgt Ion: 63 Resp: 159110
 Ion Ratio Lower Upper
 63 100
 106 25.1 20.7 31.1





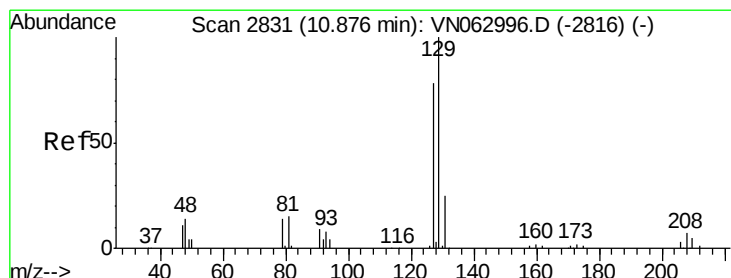
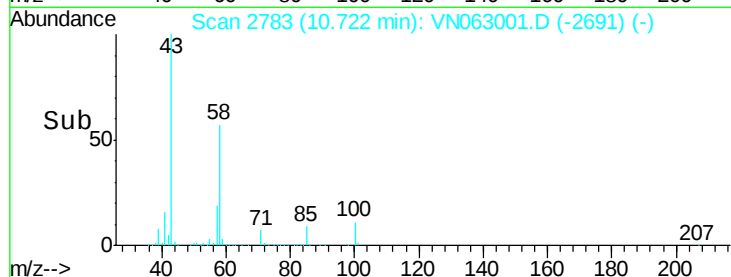
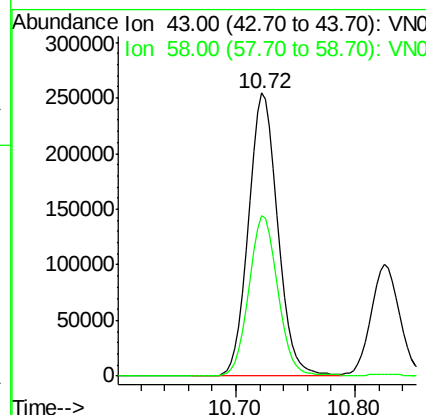
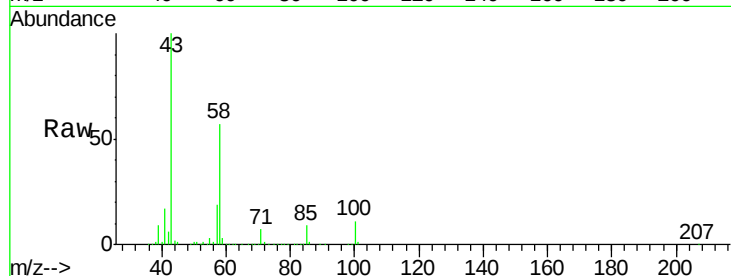
#59
2-Hexanone
Concen: 278.372 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	434170
Ion Ratio	100	Lower	Upper
43	100		
58	56.2	28.1	84.3

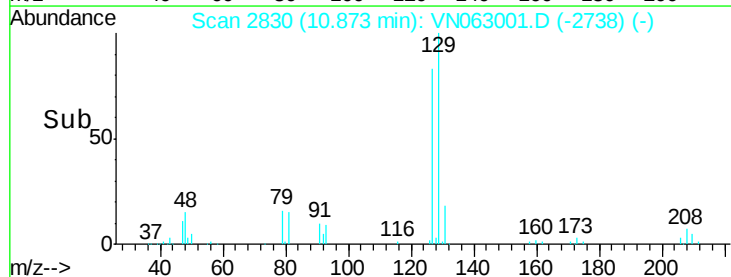
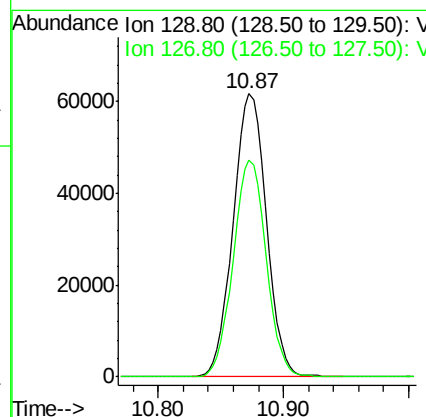
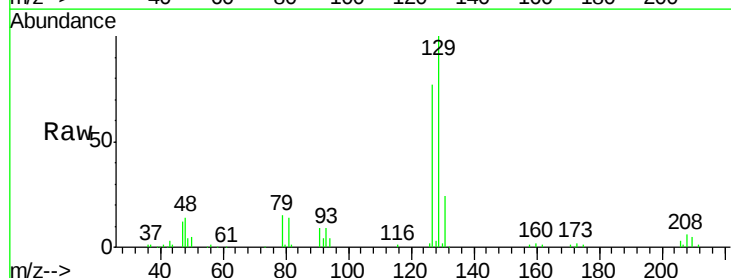
Manual Integrations
APPROVED

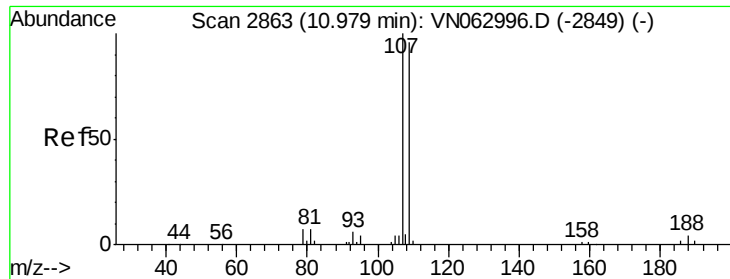
MMDadoda
8/20/2020 10:09:31 AM



#60
Dibromochloromethane
Concen: 55.157 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Tgt Ion	129	Resp	113796
Ion Ratio	100	Lower	Upper
129	100		
127	75.9	38.4	115.2





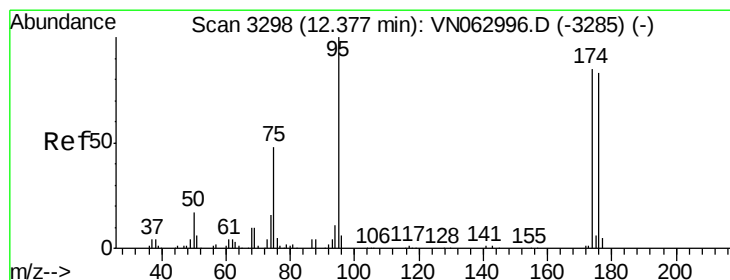
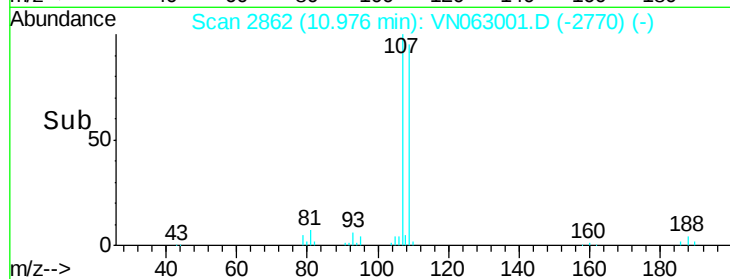
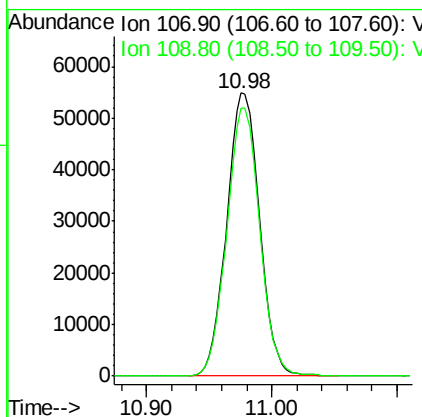
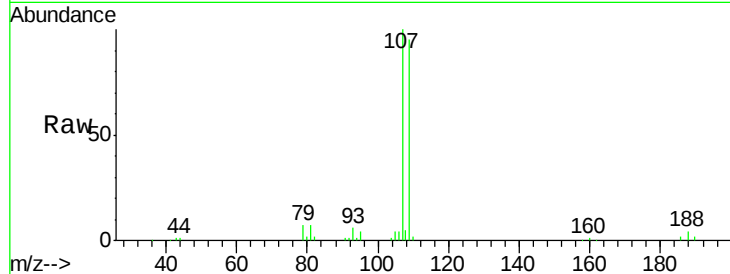
#61
 1,2-Dibromoethane
 Concen: 55.816 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:107 Resp: 99984
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.7 113.5

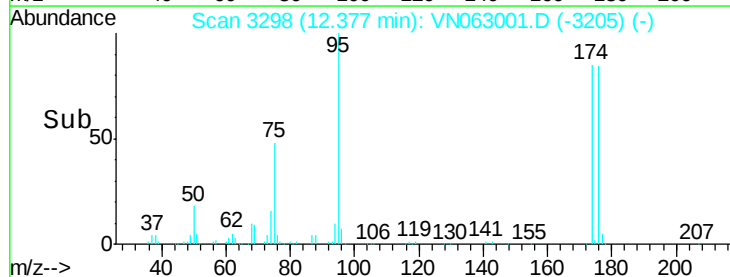
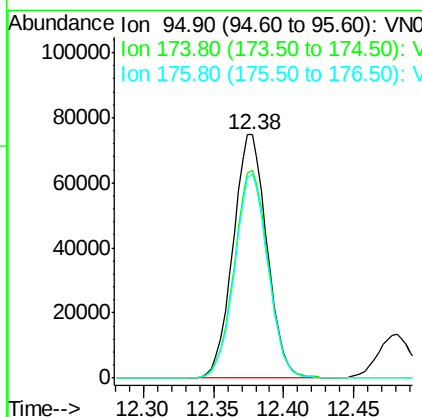
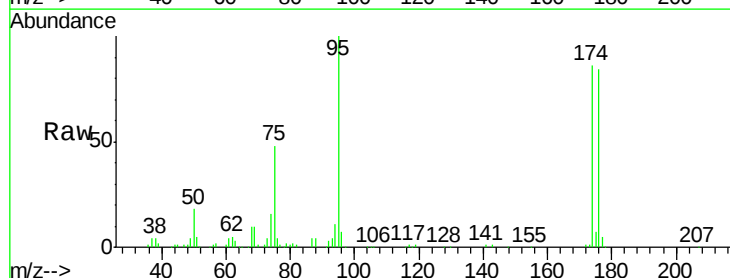
Manual Integrations
 APPROVED

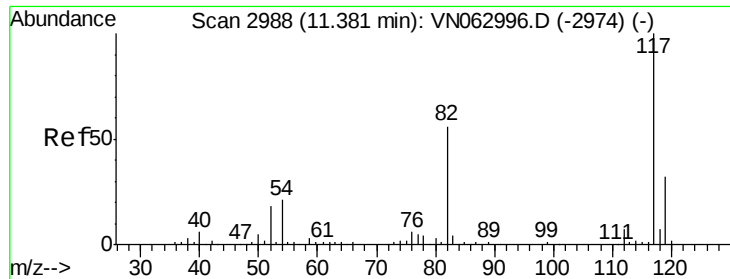
MMDadoda
 8/20/2020 10:09:31 AM



#62
 4-Bromofluorobenzene
 Concen: 55.126 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Tgt Ion: 95 Resp: 125901
 Ion Ratio Lower Upper
 95 100
 174 85.5 0.0 170.8
 176 82.4 0.0 164.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

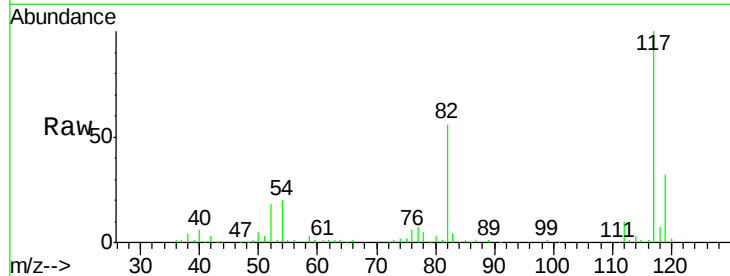
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	250411
Ion Ratio	Lower	Upper	
117	100		
82	55.5	44.5	66.7
119	32.1	25.5	38.3

Manual Integrations
APPROVED

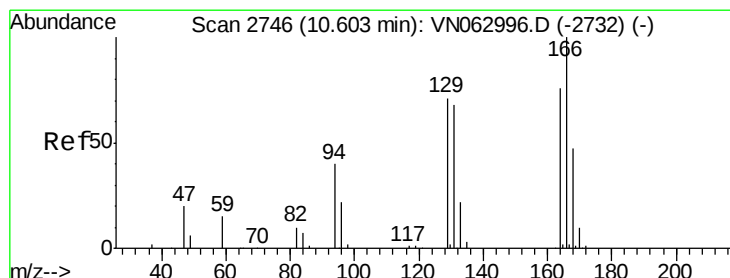
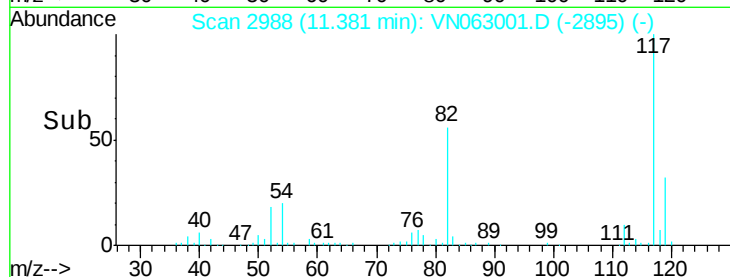
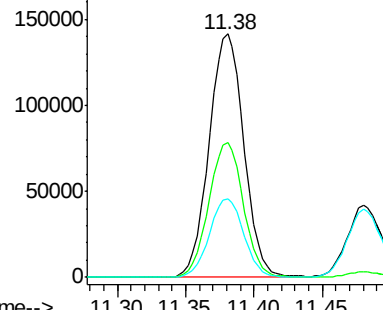
MMDadoda
8/20/2020 10:09:31 AM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 52.225 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. 0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

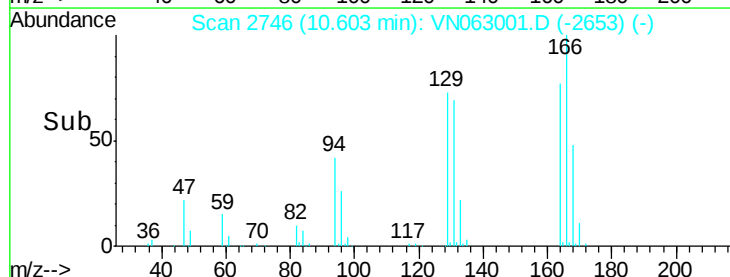
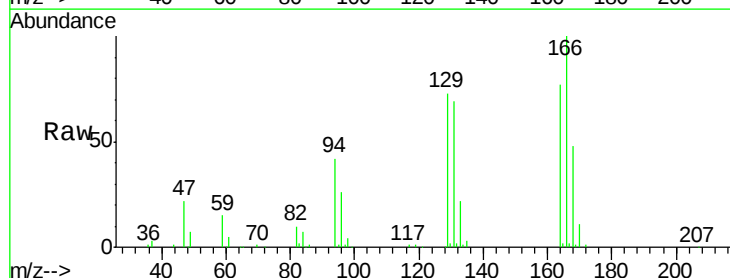
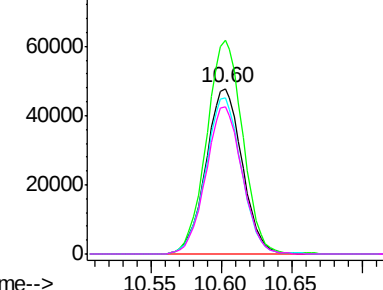
Tgt Ion:	164	Resp:	85965
Ion Ratio	Lower	Upper	
164	100		
166	129.3	105.0	157.6
129	94.3	74.7	112.1
131	89.4	71.0	106.4

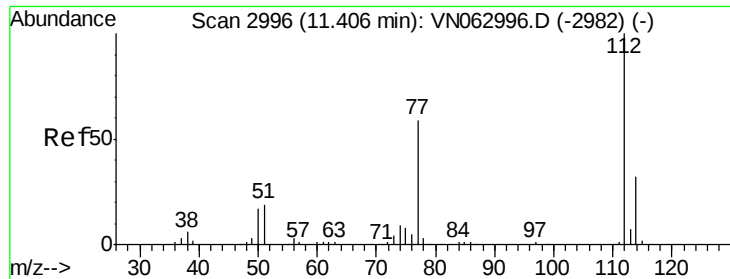
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





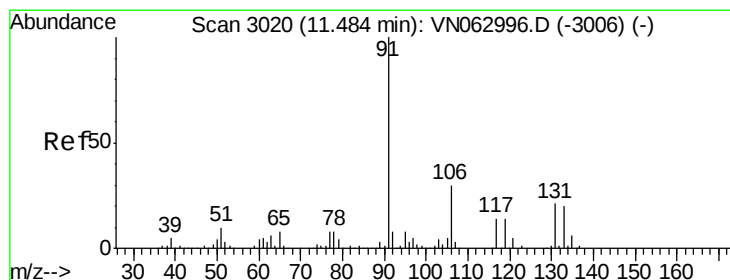
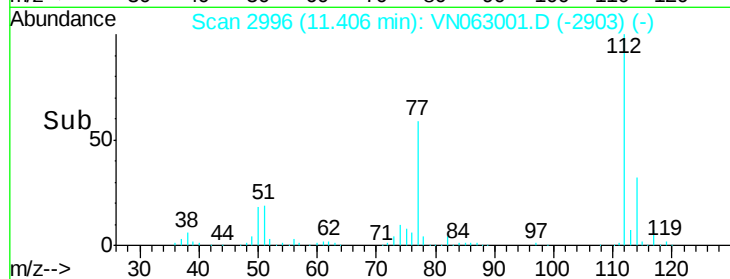
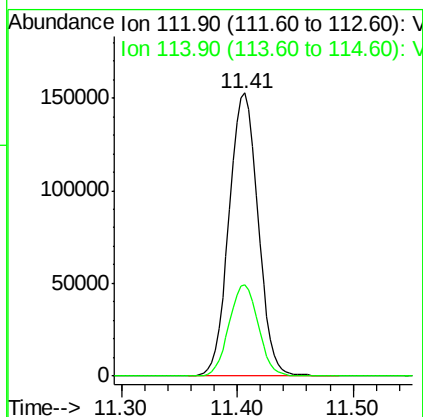
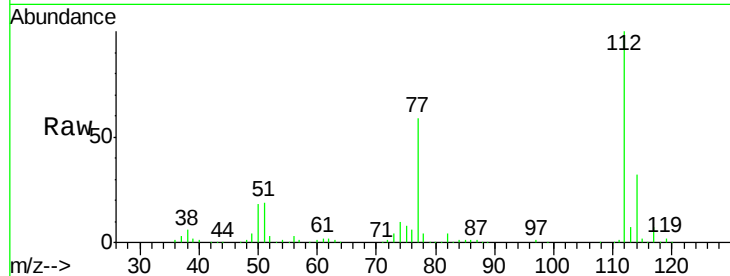
#65
Chlorobenzene
Concen: 52.764 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 265361
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9

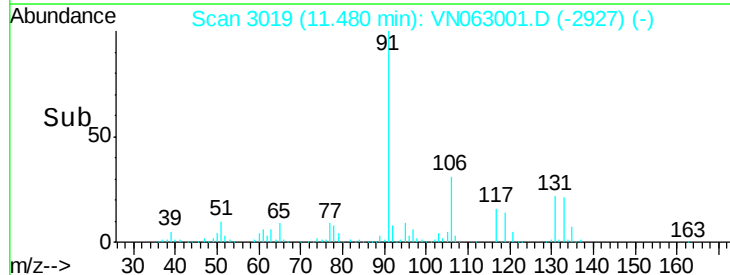
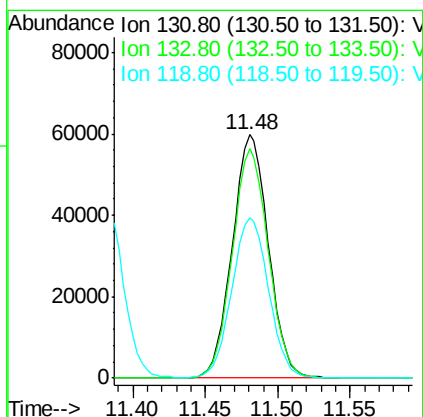
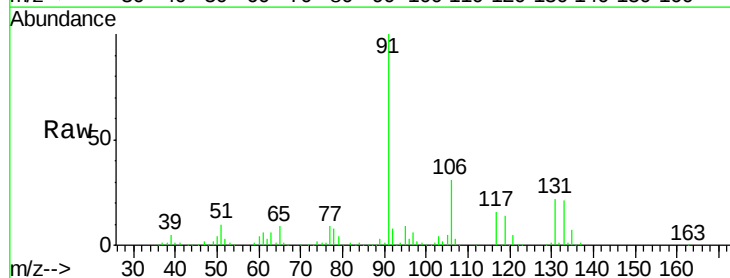
Manual Integrations
APPROVED

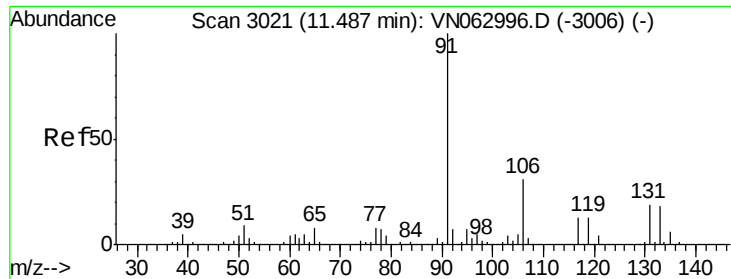
MMDadoda
8/20/2020 10:09:31 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.909 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Tgt Ion:131 Resp: 103497
Ion Ratio Lower Upper
131 100
133 94.0 47.5 142.6
119 67.2 33.1 99.3





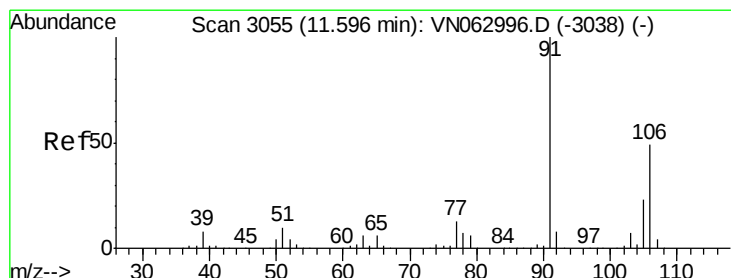
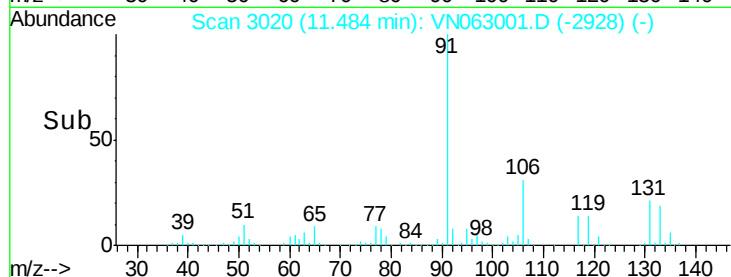
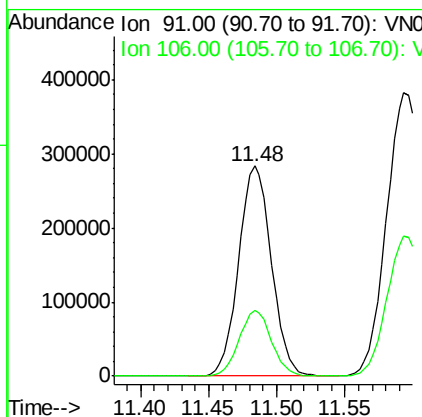
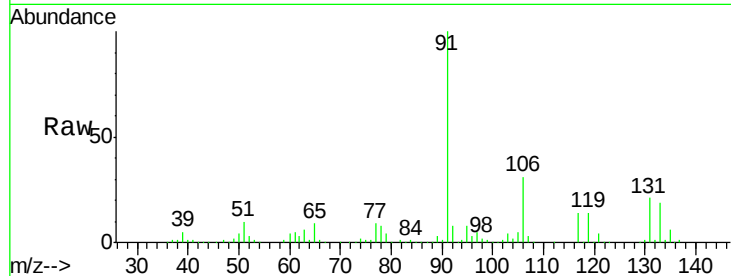
#67
Ethyl Benzene
Concen: 55.601 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 472489
Ion Ratio Lower Upper
91 100
106 31.2 24.6 37.0

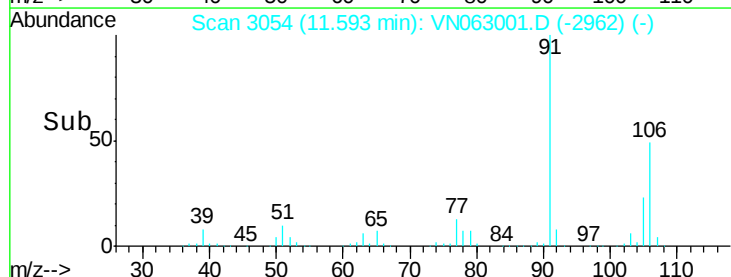
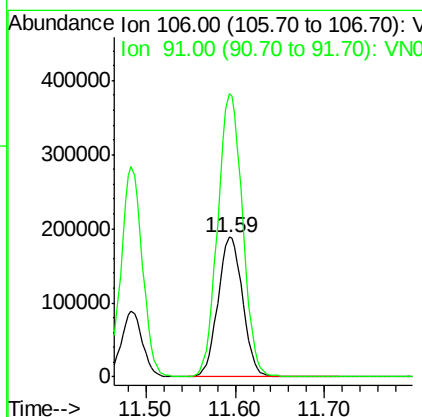
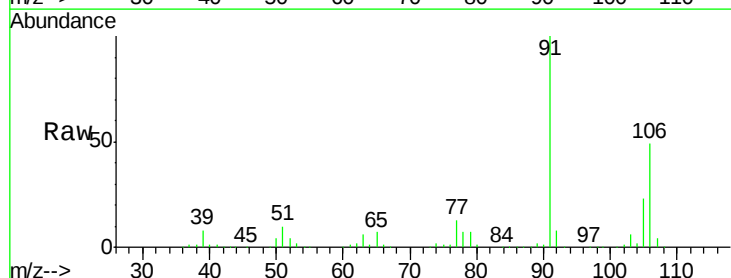
Manual Integrations
APPROVED

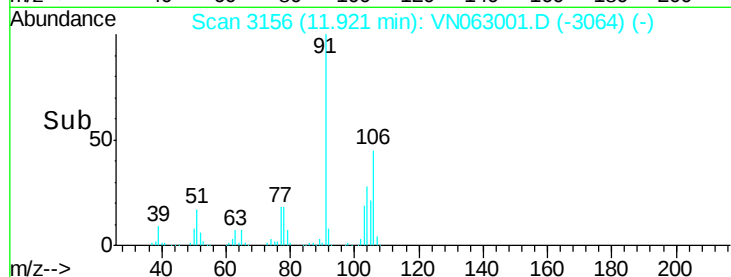
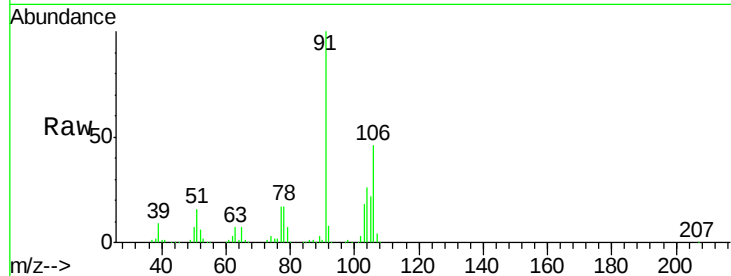
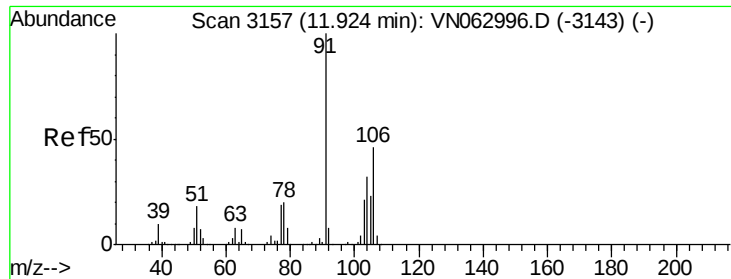
MMDadoda
8/20/2020 10:09:31 AM



#68
m/p-Xylenes
Concen: 114.579 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Tgt Ion: 106 Resp: 361882
Ion Ratio Lower Upper
106 100
91 203.5 163.0 244.4





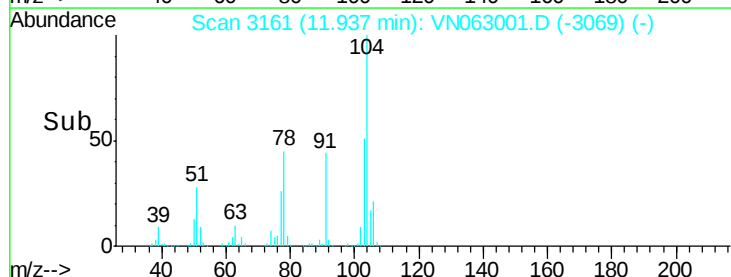
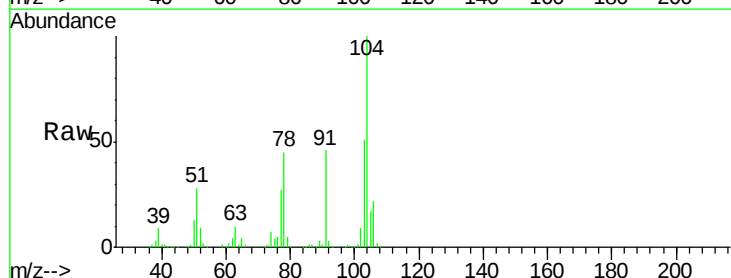
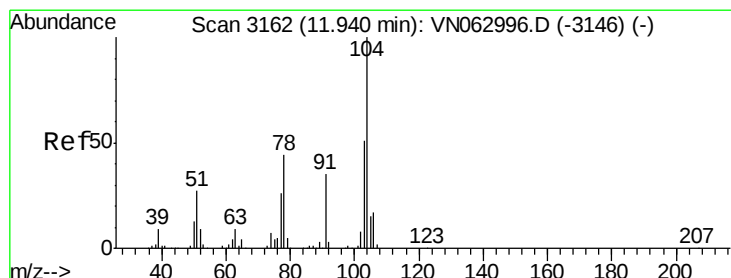
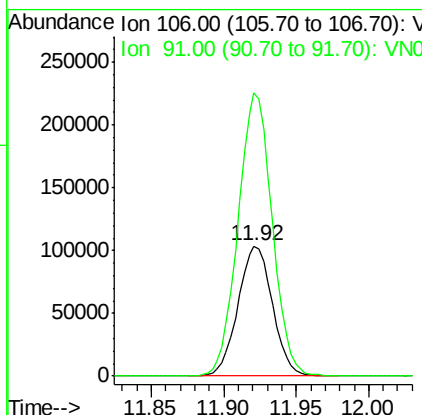
#69
o-Xylene
Concen: 56.413 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Tot Ion	Ratio	Resp	Lower	Upper
106	100	171096		
91	216.6	107.3	321.9	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

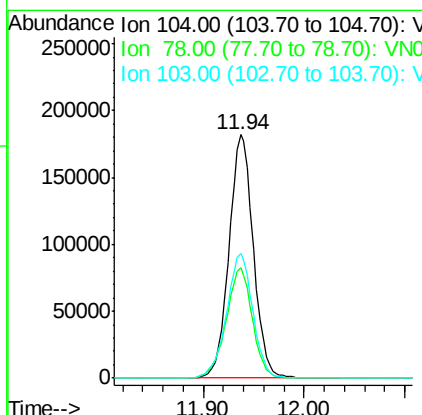
Manual Integrations
APPROVED

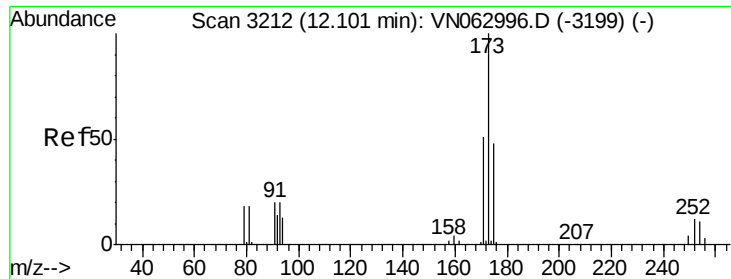
MMDadoda
8/20/2020 10:09:31 AM



#70
Styrene
Concen: 50.928 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	306747		
78	48.9	39.0	58.6	
103	55.1	44.3	66.5	





#71

Bromoform

Concen: 53.832 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 83817

Ion Ratio Lower Upper

173 100

175 48.5 24.3 72.8

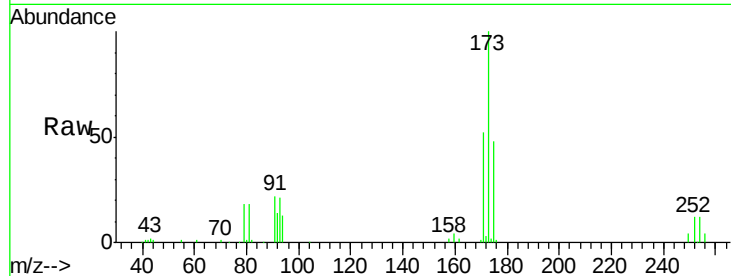
254 0.0 0.0 0.0

Manual Integrations

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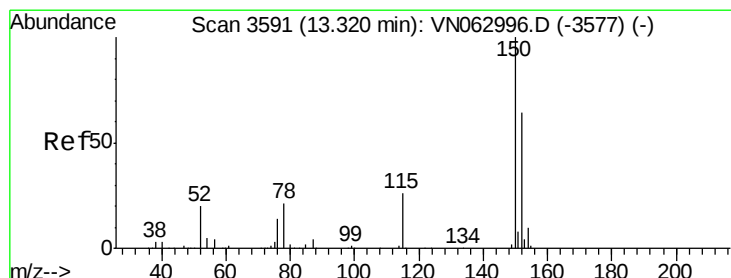
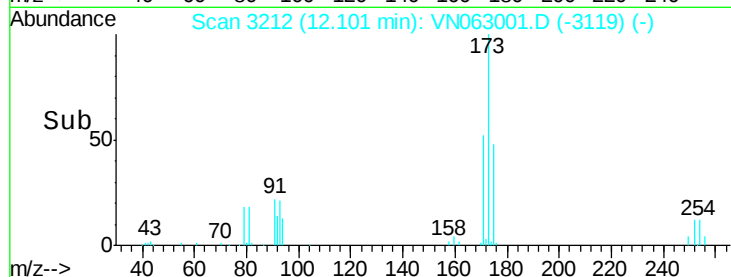
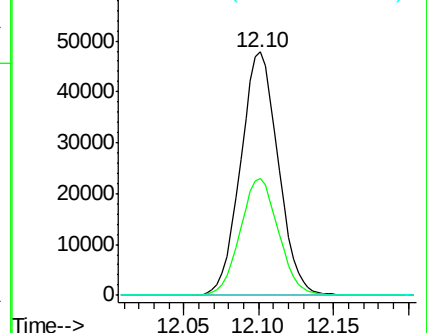
8/20/2020 10:09:31 AM



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# 3591

Delta R.T. 0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

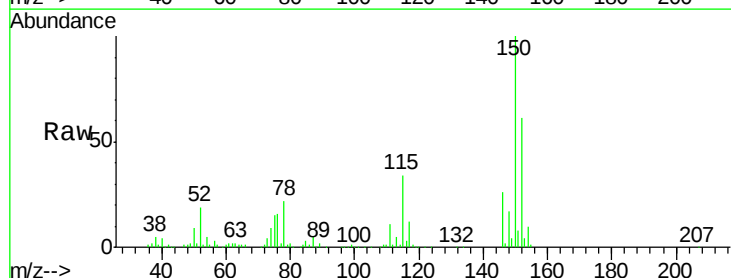
Tgt Ion:152 Resp: 124211

Ion Ratio Lower Upper

152 100

115 57.2 28.7 86.3

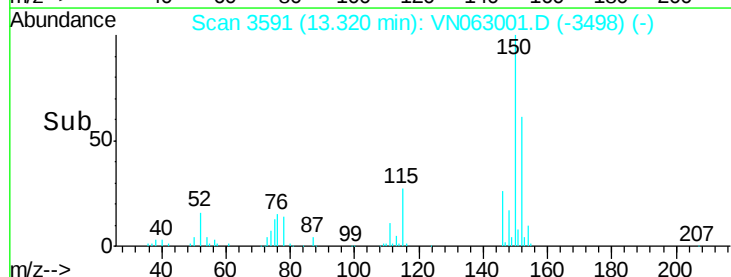
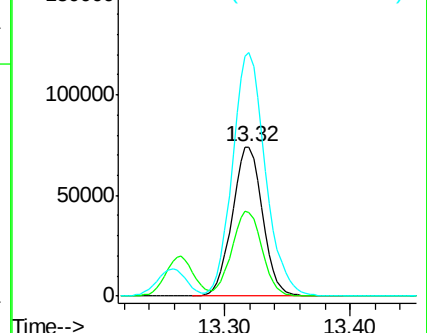
150 176.3 0.0 348.8

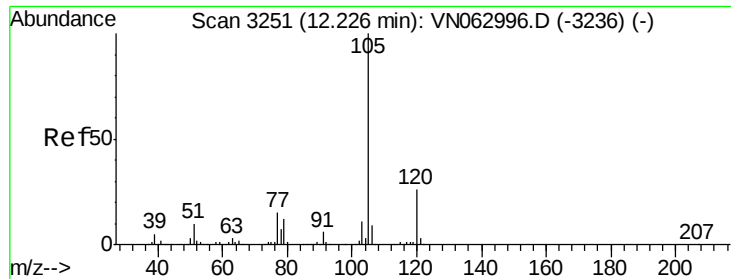


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.121 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 468862

Ion Ratio Lower Upper

105 100

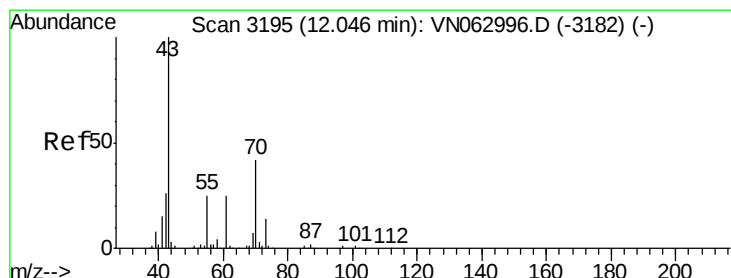
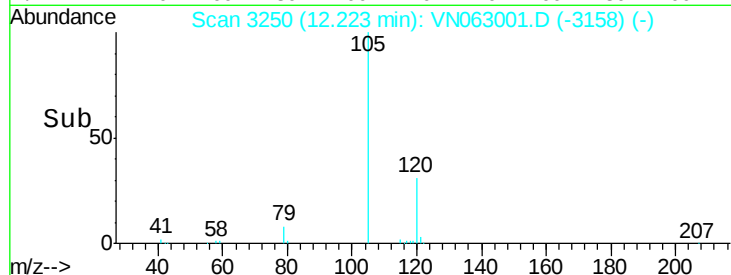
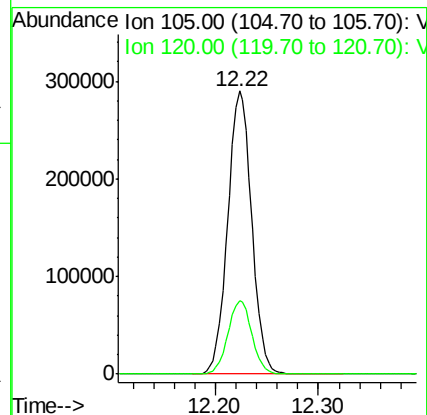
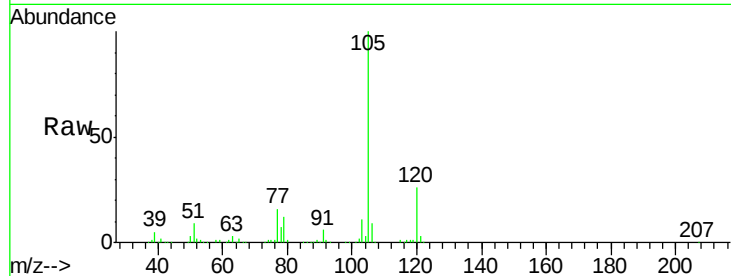
120 26.0 13.2 39.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 56.054 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Tgt Ion: 43 Resp: 170765

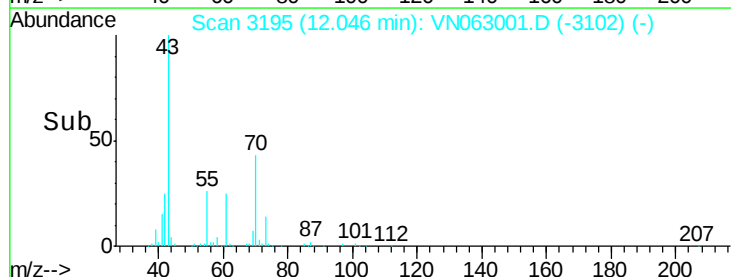
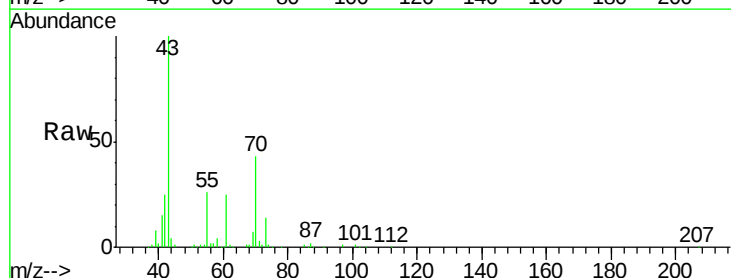
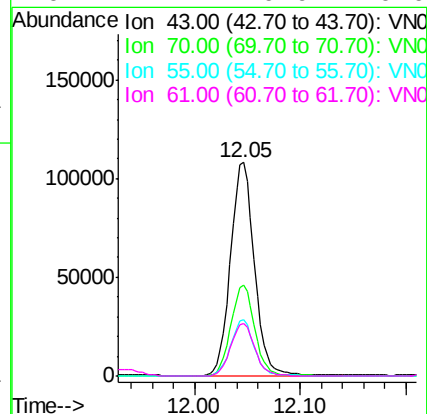
Ion Ratio Lower Upper

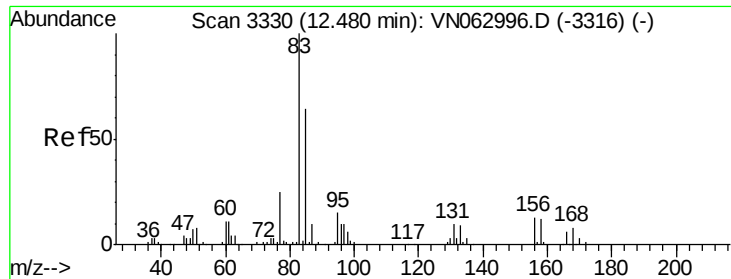
43 100

70 42.2 33.4 50.0

55 25.9 20.2 30.2

61 24.7 19.9 29.9





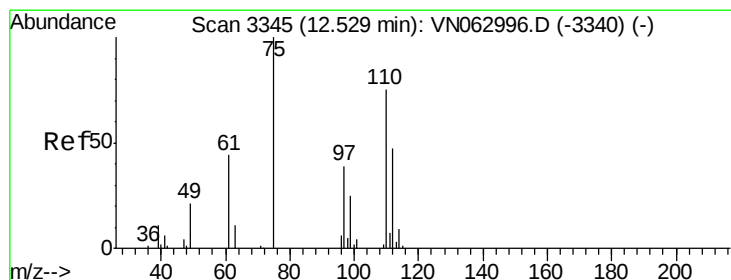
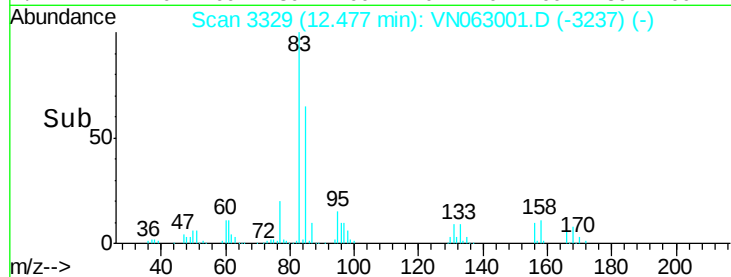
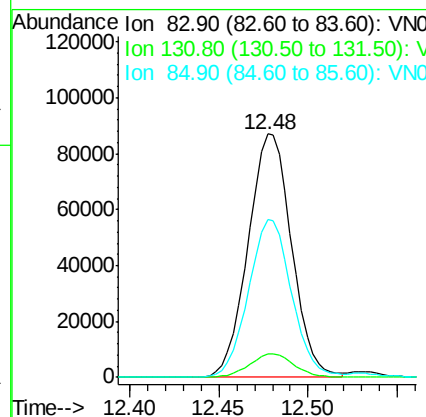
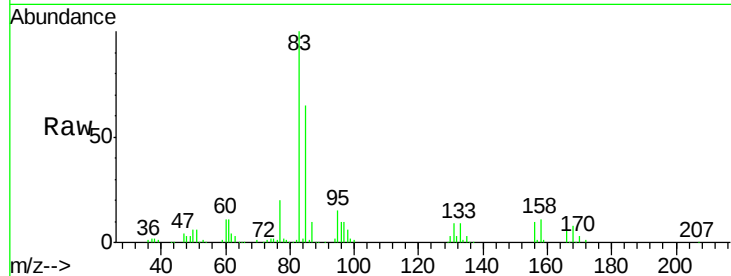
#75
 1,1,2,2-Tetrachloroethane
 Concen: 54.104 ug/l
 RT: 12.48 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.9	4.9	14.7	
85	64.3	31.9	95.5	

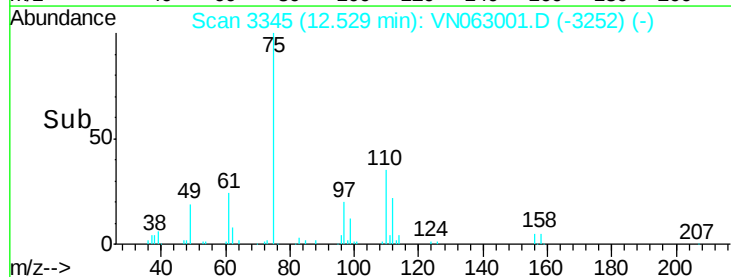
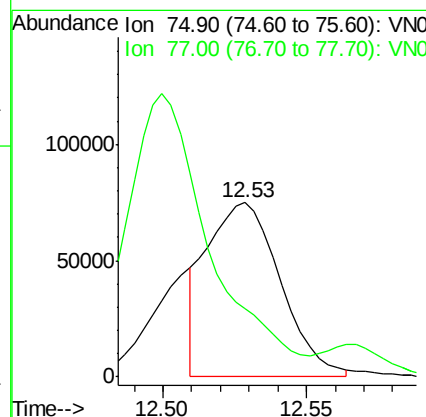
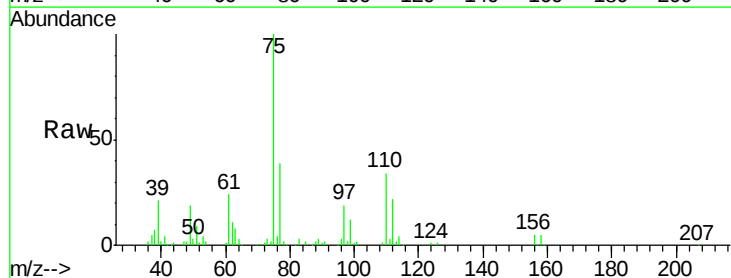
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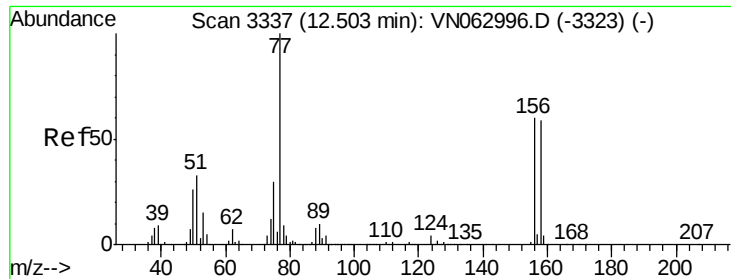
MMDadoda
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#76
 1,2,3-Trichloropropane
 Concen: 55.276 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

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





#77

Bromobenzene

Concen: 53.284 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

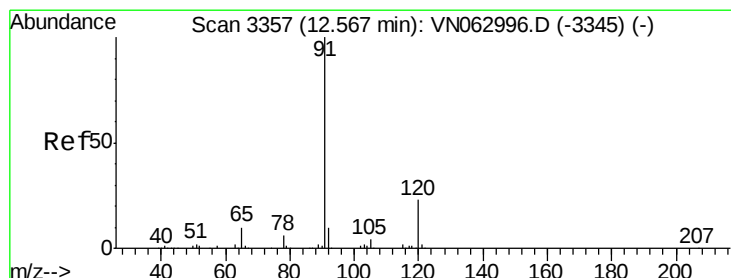
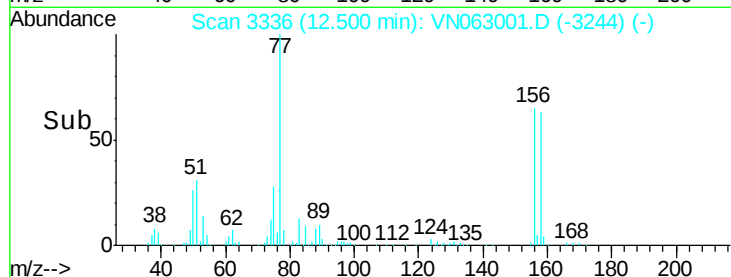
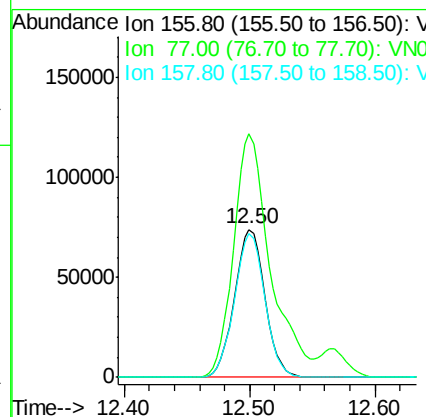
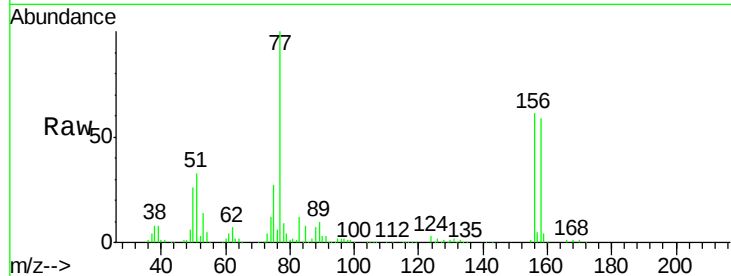
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	199.3	101.0	302.9
158	97.0	49.4	148.0

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#78

n-propylbenzene

Concen: 57.262 ug/l

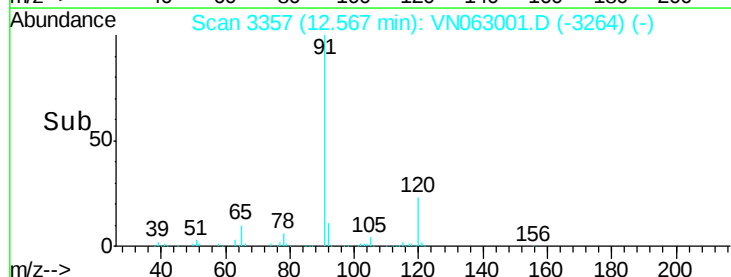
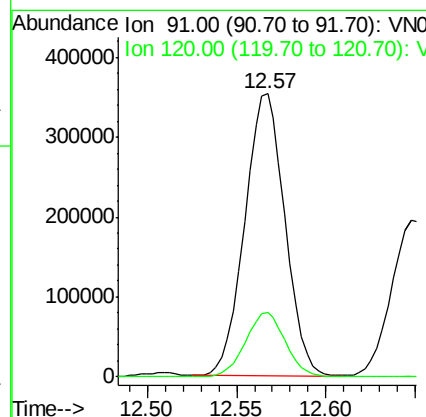
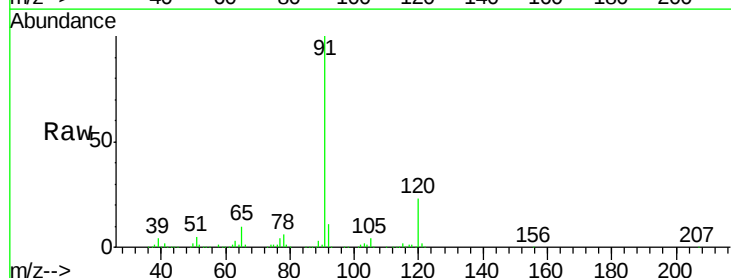
RT: 12.57 min Scan# 3357

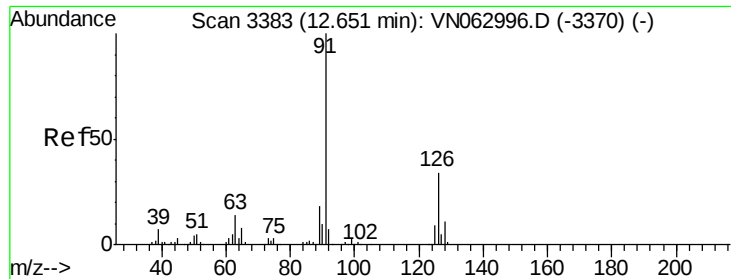
Delta R.T. 0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.4	34.1





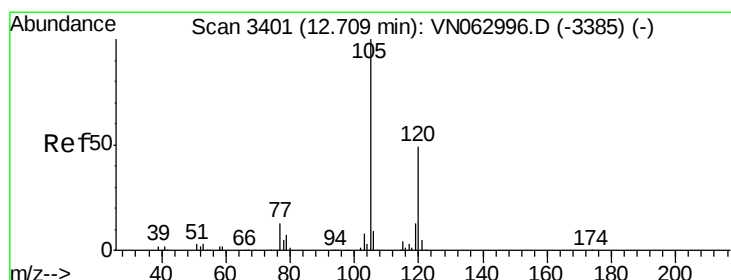
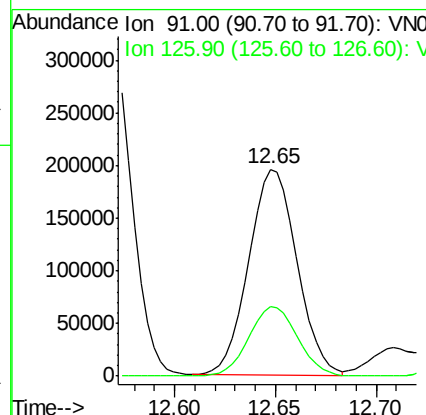
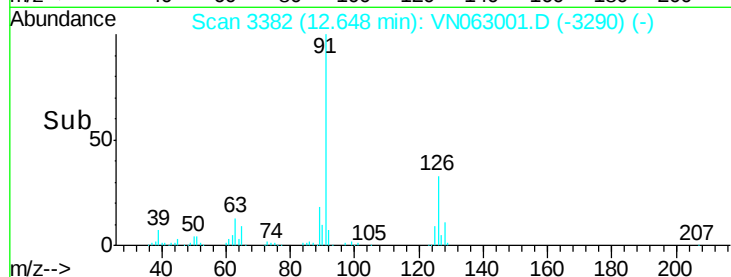
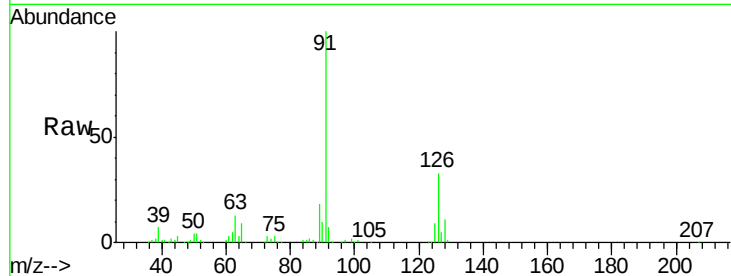
#79
 2-Chlorotoluene
 Concen: 53.744 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 327745
 Ion Ratio Lower Upper
 91 100
 126 34.3 17.1 51.2

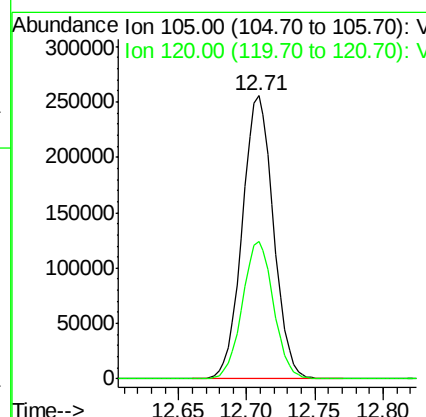
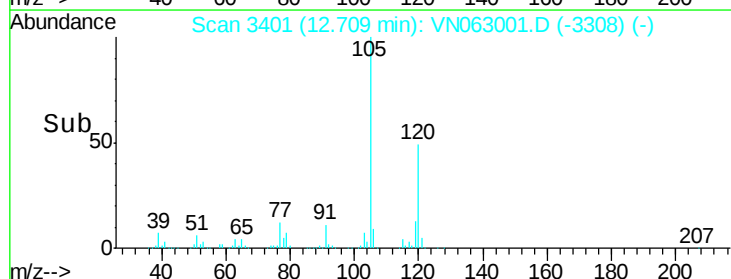
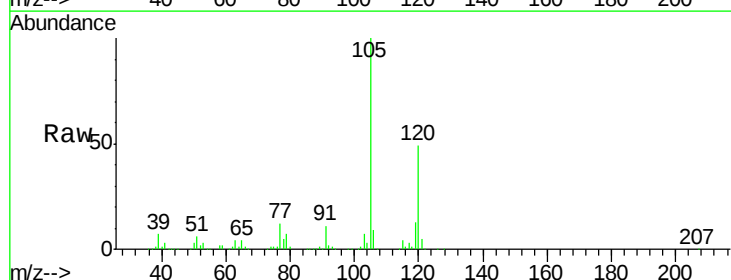
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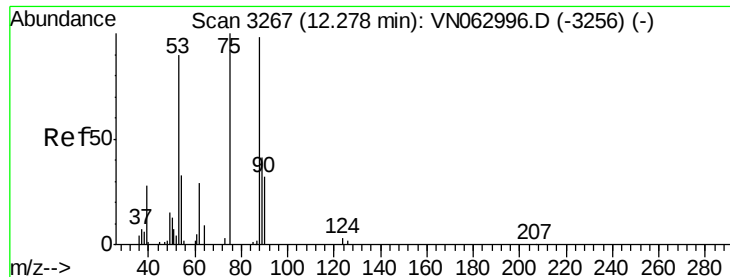
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#80
 1,3,5-Trimethylbenzene
 Concen: 57.437 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Tgt Ion: 105 Resp: 403871
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 54.835 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

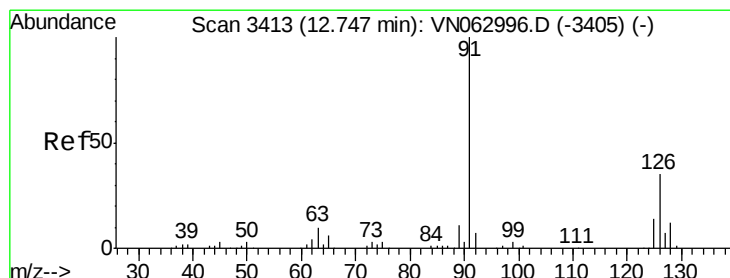
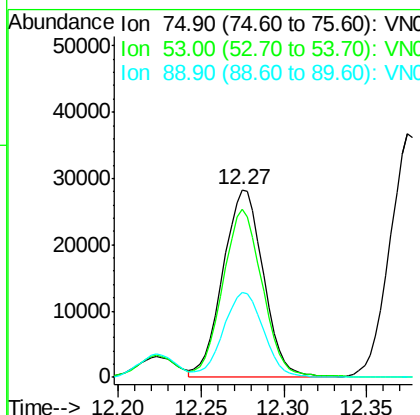
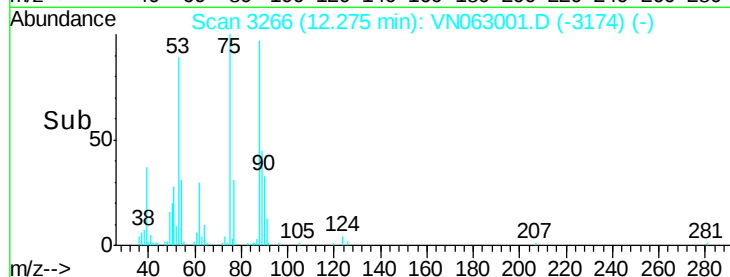
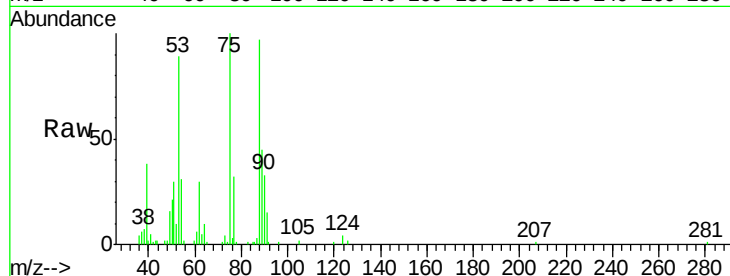
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	48205
Ion Ratio	Lower	Upper	
75	100		
53	87.8	69.2	103.8
89	44.6	34.2	51.4

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#82

4-Chlorotoluene

Concen: 55.548 ug/l

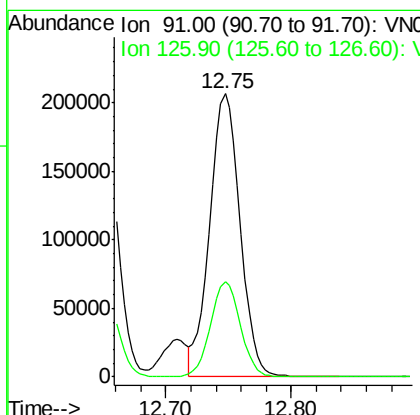
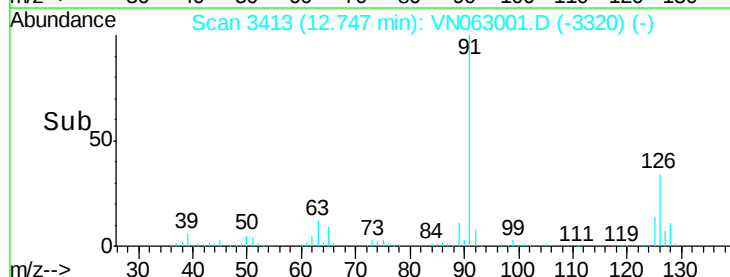
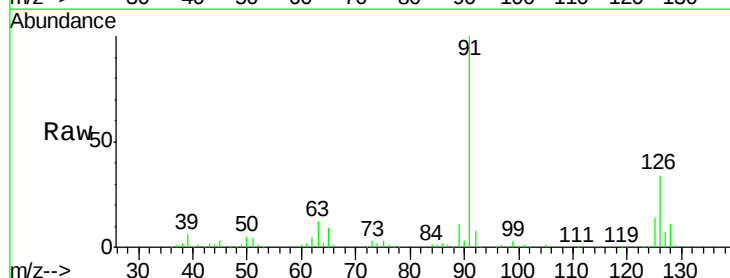
RT: 12.75 min Scan# 3413

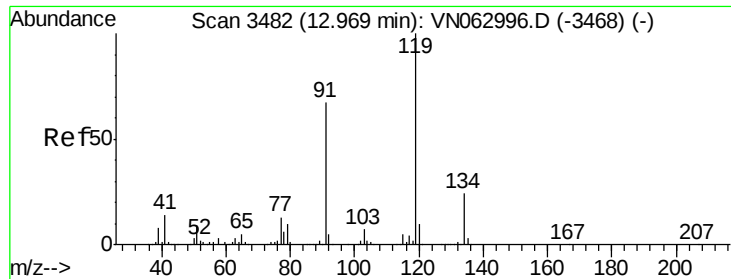
Delta R.T. 0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Tgt Ion:	91	Resp:	344930
Ion Ratio	Lower	Upper	
91	100		
126	33.4	16.5	49.5





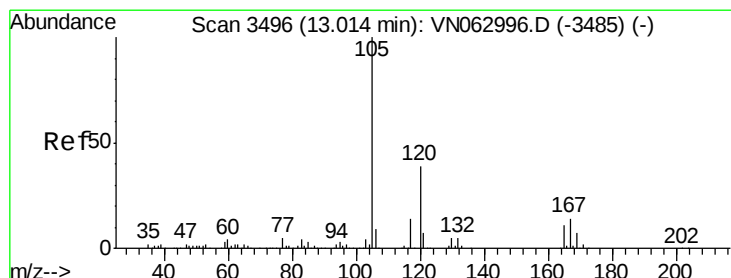
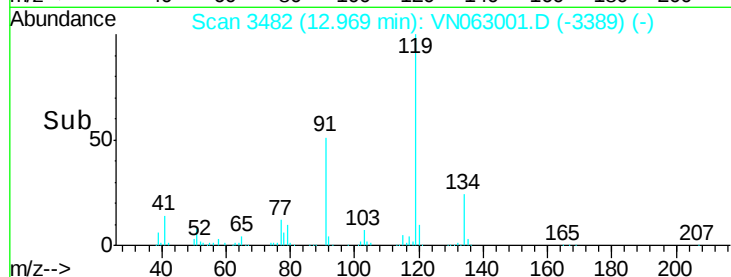
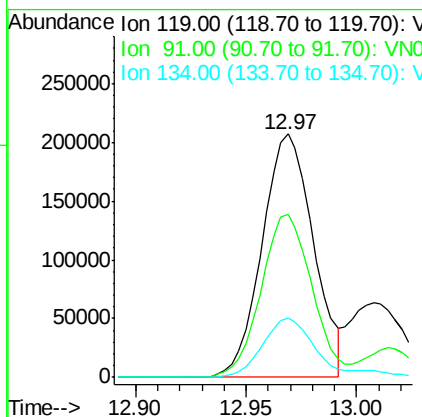
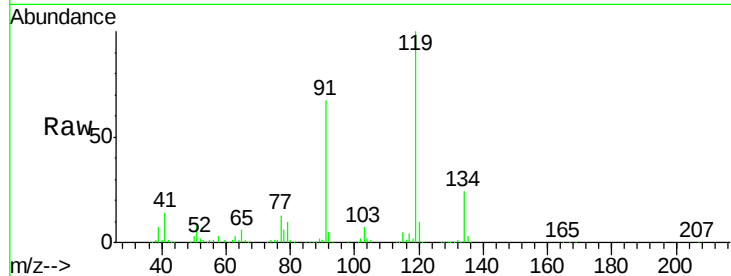
#83
 tert-Butylbenzene
 Concen: 55.142 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	334653		
91	66.6		32.5	97.4
134	24.3		13.1	39.3

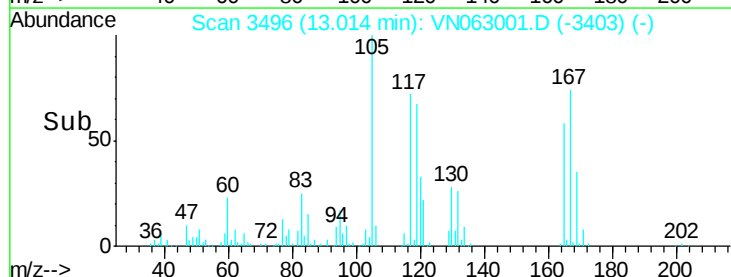
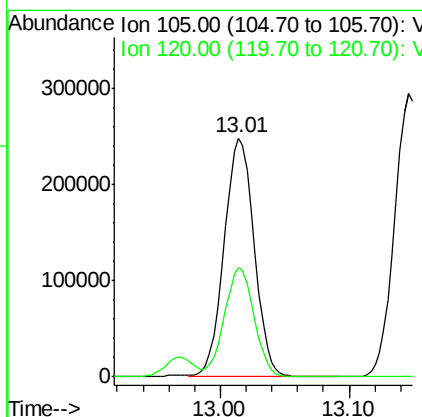
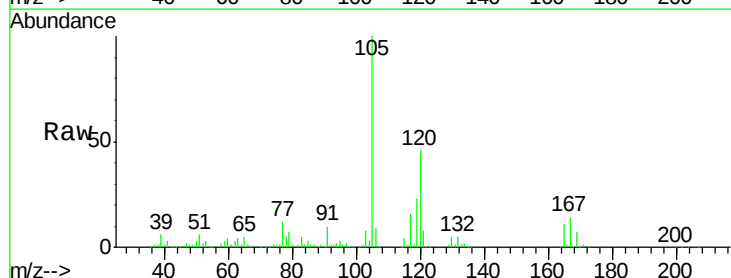
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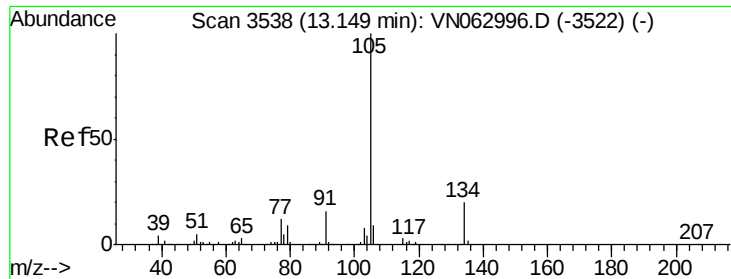
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#84
 1,2,4-Trimethylbenzene
 Concen: 58.197 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	398654		
120	45.6		22.5	67.5





#85

sec-Butylbenzene

Concen: 56.702 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 465071

Ion Ratio Lower Upper

105 100

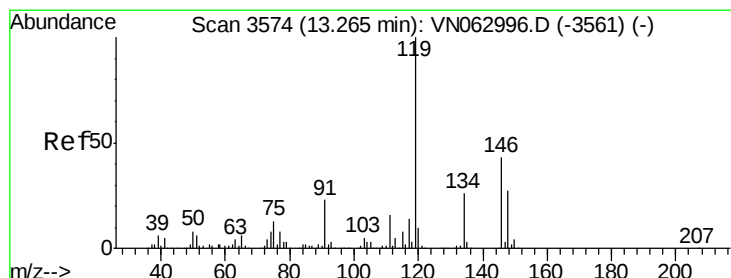
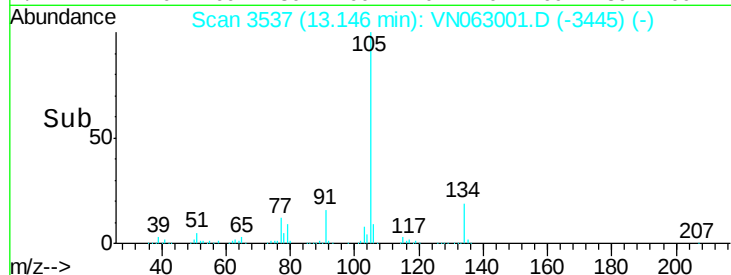
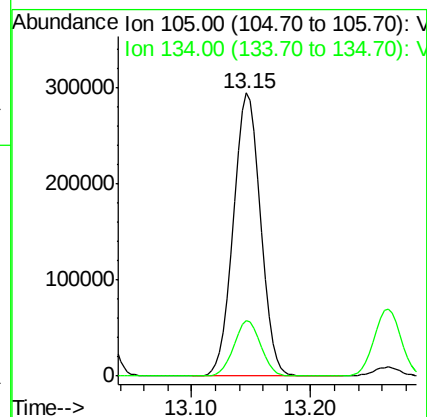
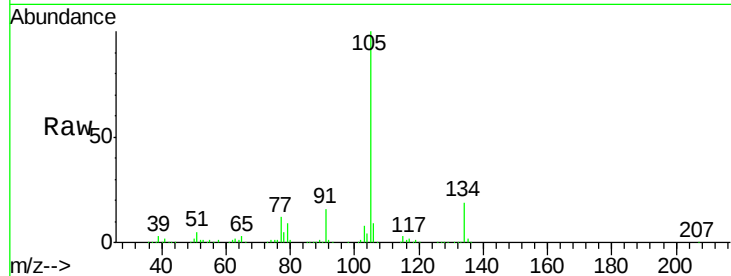
134 19.5 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 58.241 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

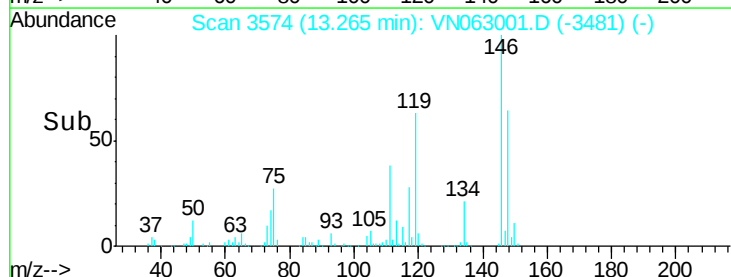
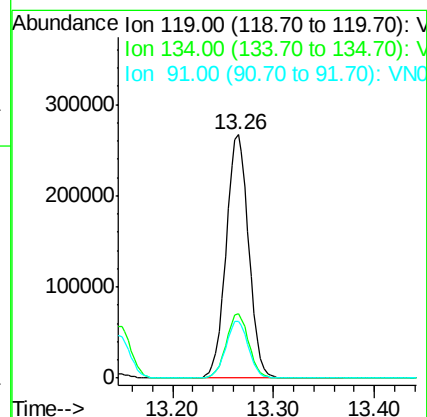
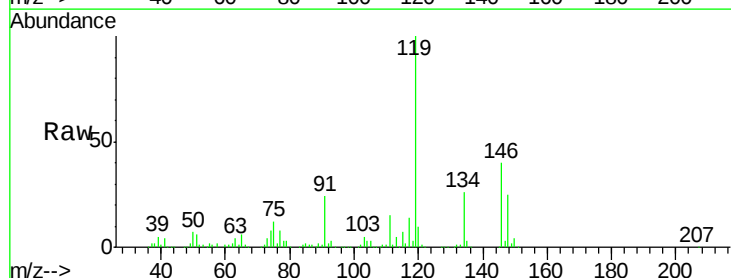
Tgt Ion:119 Resp: 416232

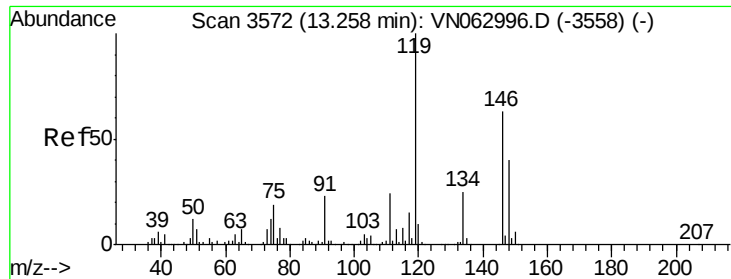
Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

91 23.3 11.5 34.4





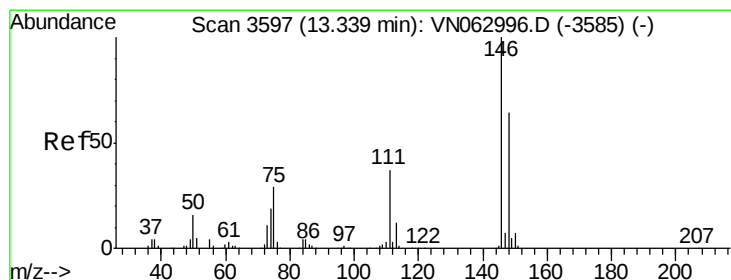
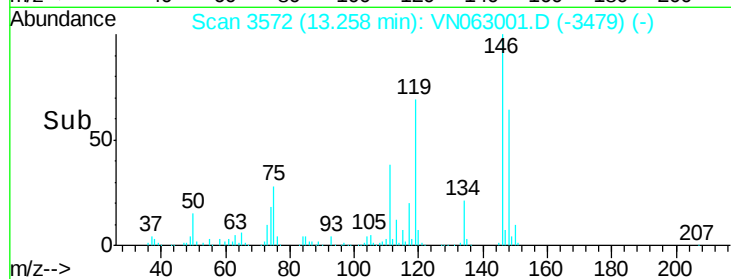
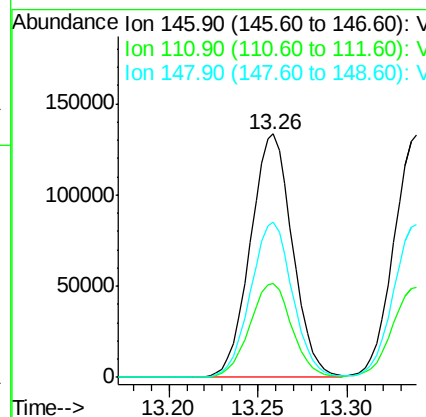
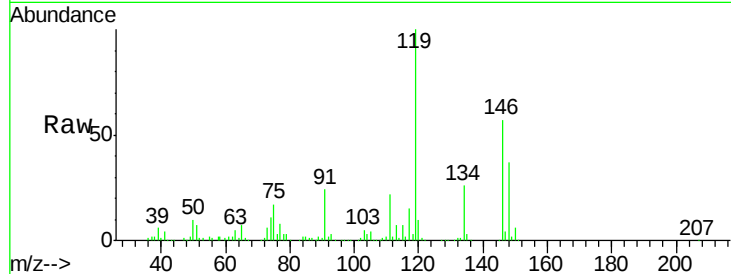
#87
 1,3-Dichlorobenzene
 Concen: 54.700 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	219918		
111	38.7	19.4	58.1	
148	63.5	32.0	96.0	

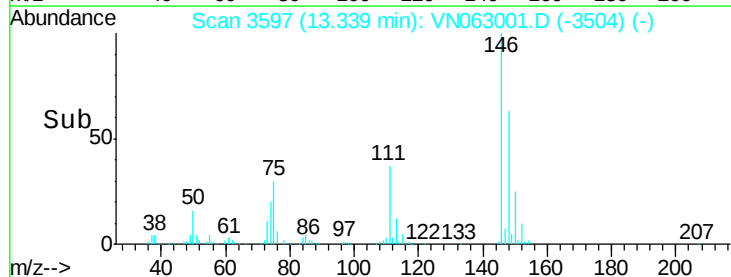
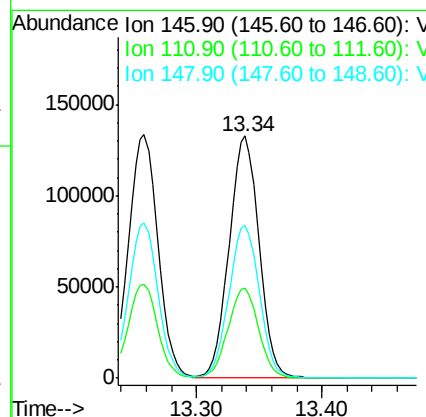
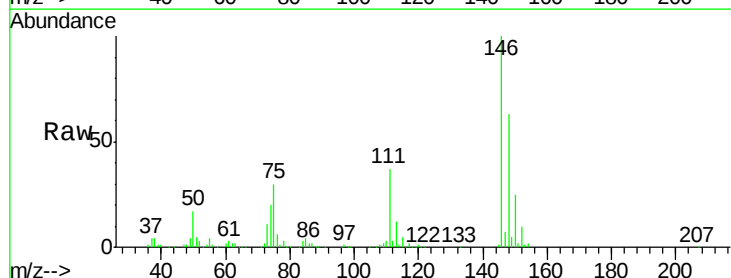
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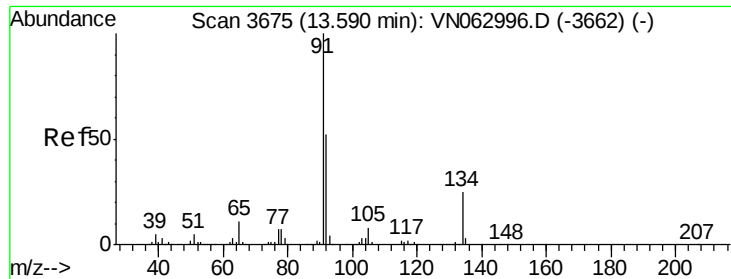
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#88
 1,4-Dichlorobenzene
 Concen: 53.775 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	219438		
111	37.7	18.8	56.4	
148	64.2	32.4	97.0	





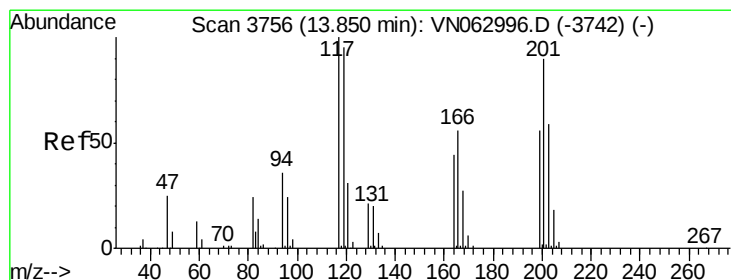
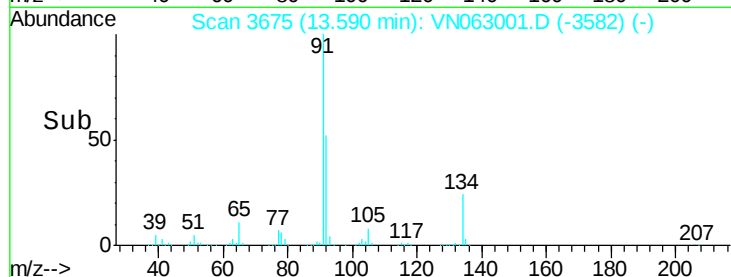
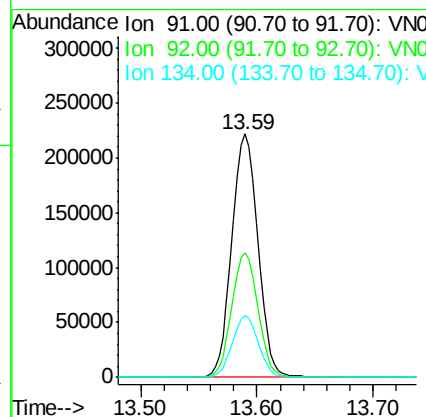
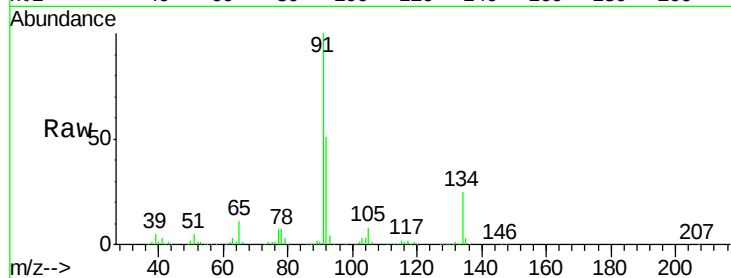
#89
n-Butylbenzene
Concen: 50.855 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.9	77.6
134	25.2	12.4	37.0

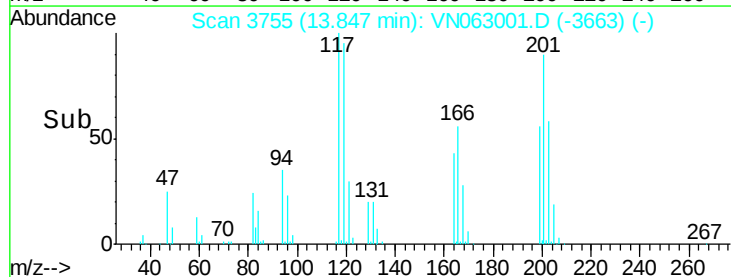
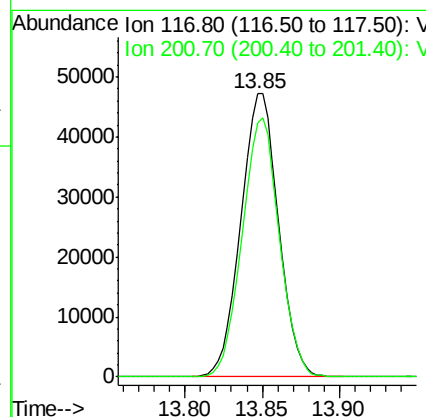
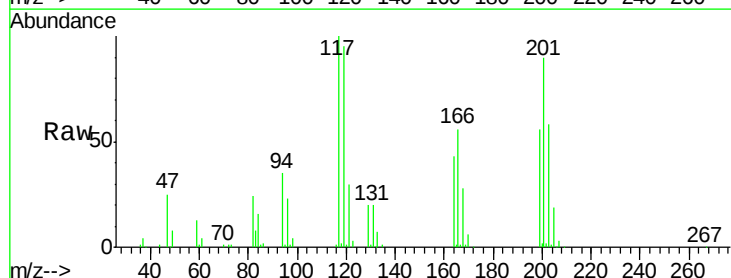
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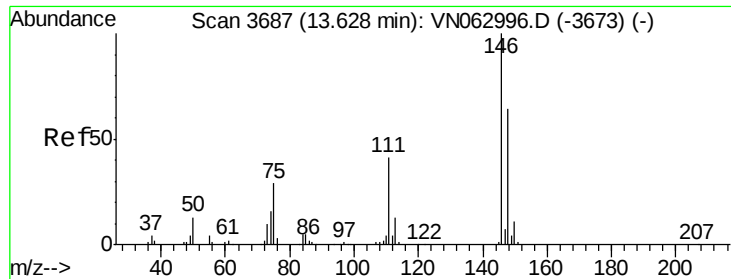
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#90
Hexachloroethane
Concen: 52.570 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN063001.D
Acq: 19 Aug 2020 9:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.0	44.1	132.4





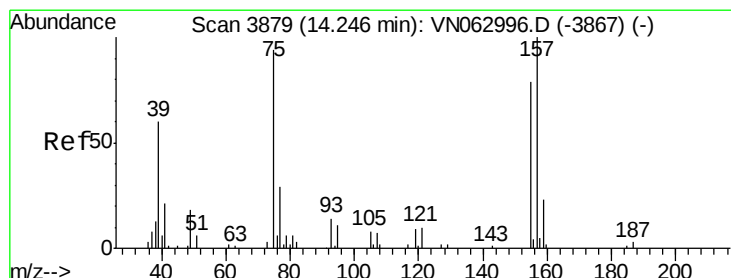
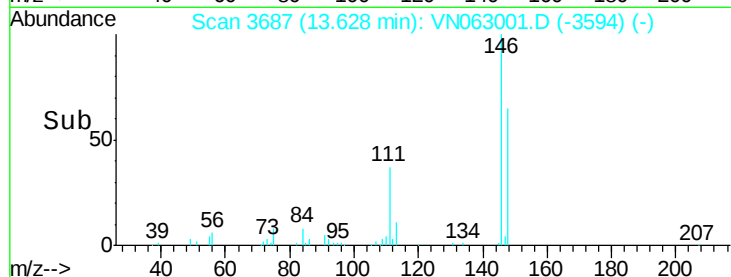
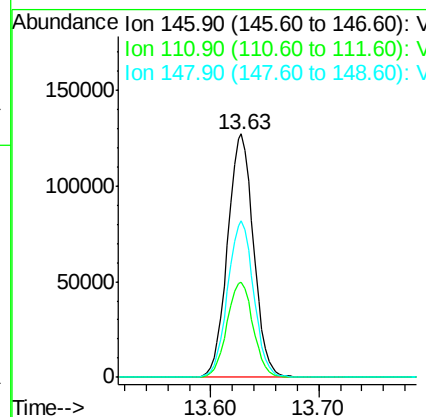
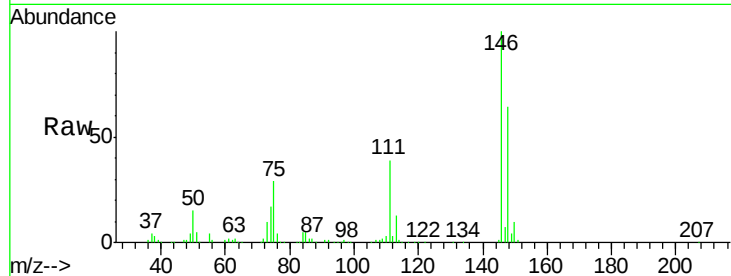
#91
 1,2-Dichlorobenzene
 Concen: 54.937 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	213352		
111	39.3	20.2	60.5	
148	64.5	31.9	95.5	

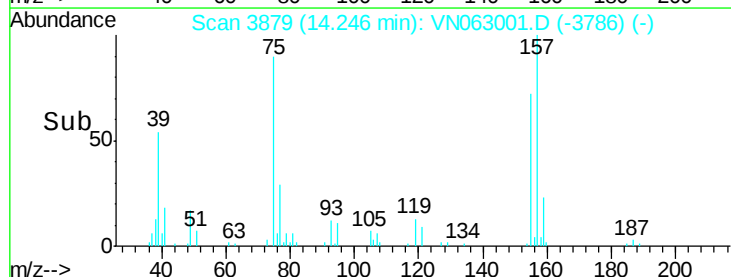
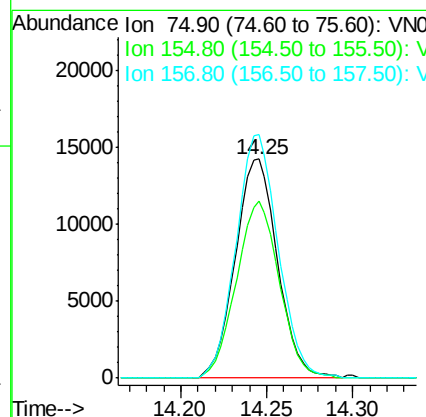
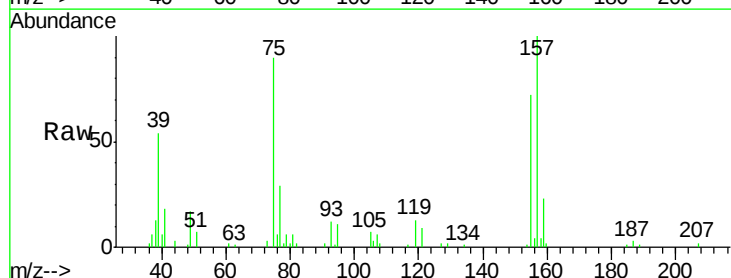
Manual Integrations
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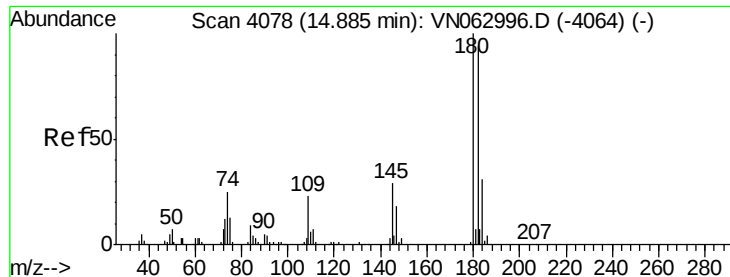
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.765 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	24317		
155	82.2	42.4	127.1	
157	111.0	55.2	165.6	





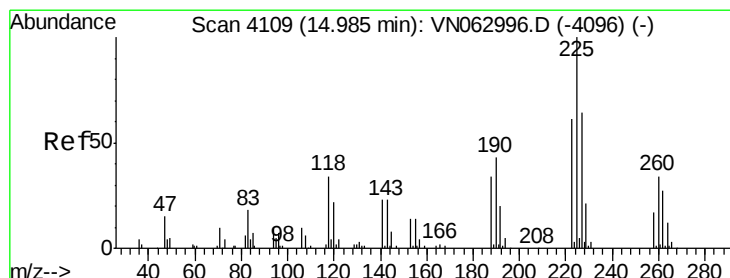
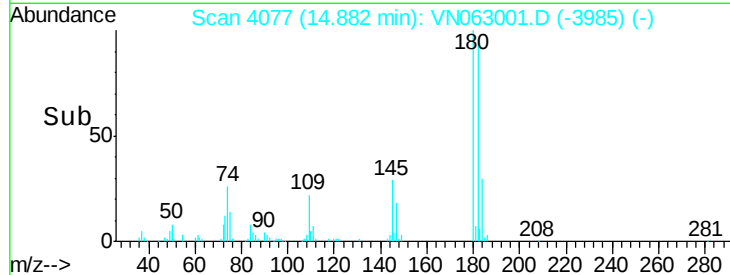
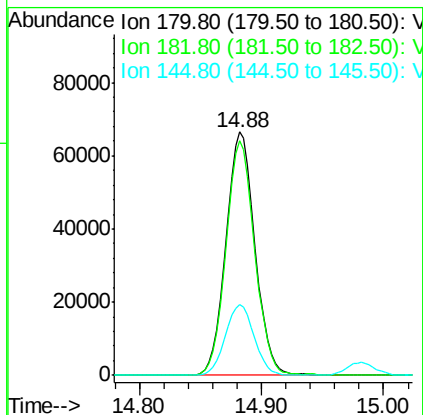
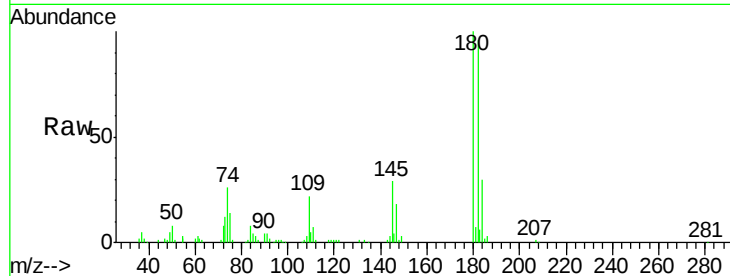
#93
 1,2,4-Trichlorobenzene
 Concen: 51.367 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	47.0	141.2	
145	28.8	14.1	42.4	

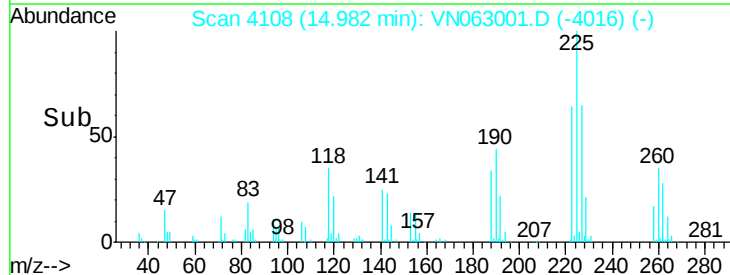
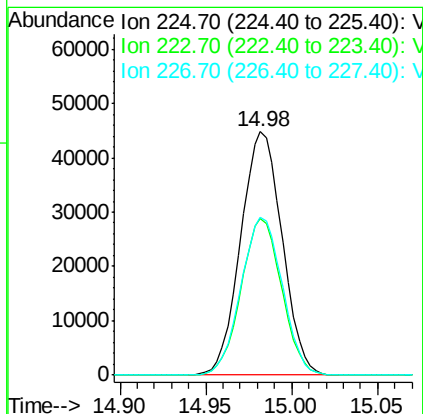
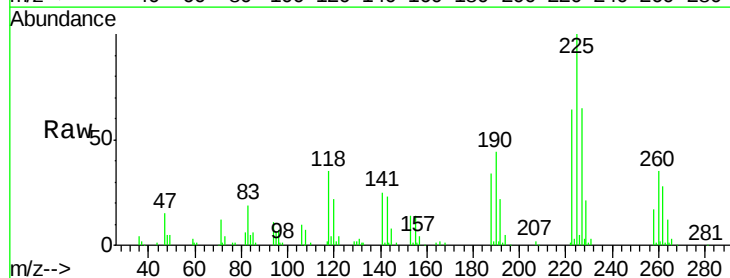
Manual Integrations
 APPROVED

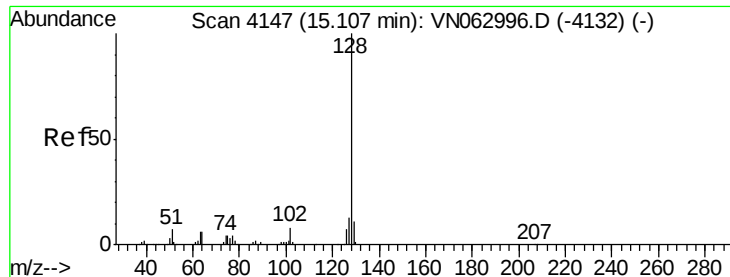
MMDadoda
 8/20/2020 10:09:31 AM



#94
 Hexachlorobutadiene
 Concen: 52.358 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN063001.D
 Acq: 19 Aug 2020 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	30.9	92.5	
227	64.5	31.9	95.9	





#95

Naphthalene

Concen: 49.305 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Instrument :

MSVOA_N

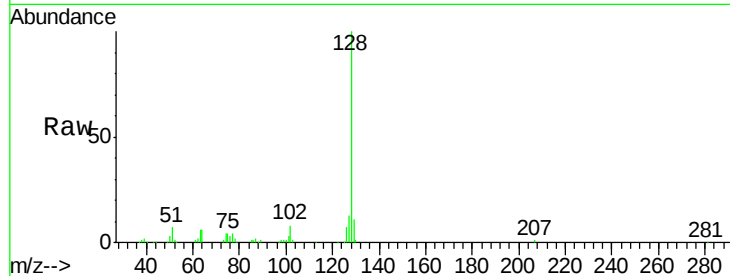
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	243912
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	16.0
129	10.7	8.9	13.3

Manual Integrations
APPROVED

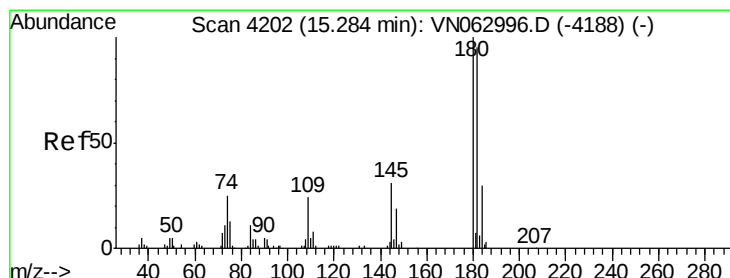
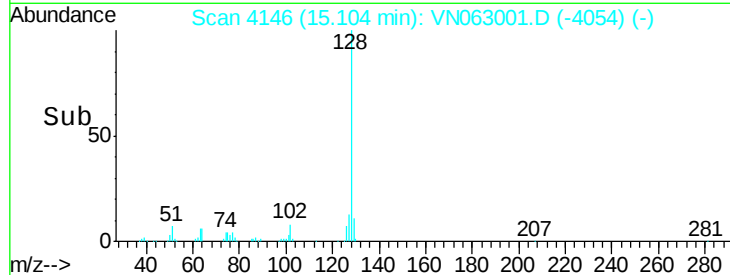
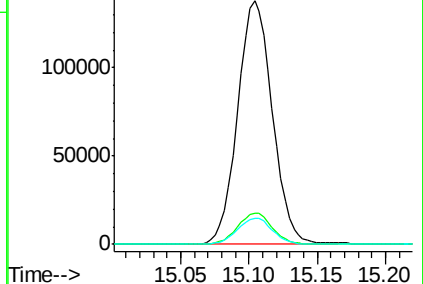
MMDadoda
8/20/2020 10:09:31 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.226 ug/l

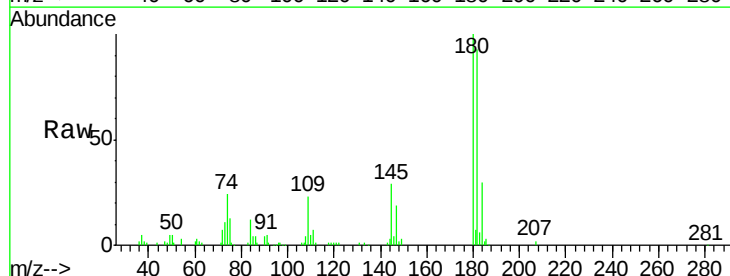
RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN063001.D

Acq: 19 Aug 2020 9:46

Tgt Ion:	180	Resp:	110616
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.3	141.9
145	30.0	15.6	46.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

