

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072022\
 Data File : VL039510.D
 Acq On : 20 Jul 2022 14:37
 Operator : SY/AP
 Sample : VISTCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jul 21 06:04:25 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 06 02:15:38 2022
 QLast Update : Wed Jul 06 02:15:38 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	997848	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	2780222	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.10	117	2681895	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2096632	10.54	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	1052464	7.312	ppbv	100
3) Chlorodifluoromethane	3.00	51	1290439	10.193	ppbv	99
4) Chloromethane	3.15	50	685490	9.900	ppbv	98
5) Vinyl Chloride	3.27	62	686207	10.051	ppbv	99
6) Bromomethane	3.49	94	301513	10.493	ppbv	98
7) Chloroethane	3.57	64	258937	10.663	ppbv	100
8) Dichlorotetrafluoroethane	3.20	85	1488574	9.468	ppbv	100
9) Propene	3.02	41	553886	9.688	ppbv	99
10) Heptane	8.14	43	1456578	10.878	ppbv	100
11) Trichlorofluoromethane	3.96	101	1653587	10.310	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1202934	10.061	ppbv	97
13) Ethanol	3.61	45	8616	2.598	ppbv #	23
14) Bromoethene	3.75	108	520964	10.364	ppbv	98
15) Acetone	3.86	43	1227610	10.399	ppbv	99
16) 1,3-Butadiene	3.34	39	656169	10.712	ppbv	99
17) tert-Butyl alcohol	4.29	59	1129730	11.275	ppbv	98
18) 1,1-Dichloroethene	4.30	96	555190	10.250	ppbv	95
19) Isopropyl Alcohol	3.97	45	640258	10.168	ppbv #	97
20) Methylene Chloride	4.36	84	456702	9.706	ppbv	99
21) Allyl Chloride	4.43	41	859116	10.507	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	564709	10.770	ppbv	96
23) Vinyl Acetate	5.09	43	923960	11.712	ppbv #	97
24) 1,1-Dichloroethane	5.02	63	1222780	10.974	ppbv	99
25) Ethyl Acetate	5.69	43	2647661	10.938	ppbv	99
26) Hexane	5.70	57	1121774	11.497	ppbv	99
27) Carbon Disulfide	4.56	76	1348885	11.453	ppbv	100
28) Methyl tert-Butyl Ether	5.05	73	1147363	10.998	ppbv	99
29) Chloroform	5.77	83	1805236	10.640	ppbv	98
30) Cyclohexane	7.15	84	986067	11.100	ppbv	97
31) cis-1,2-Dichloroethene	5.56	61	1135699	10.970	ppbv	100
32) 1,1,1-Trichloroethane	6.53	97	1828759	10.920	ppbv	100
34) 2-Butanone	5.26	43	1577538	11.272	ppbv	99
35) Carbon Tetrachloride	7.03	117	1966369	11.446	ppbv	99
36) Benzene	6.91	78	2358692	10.962	ppbv	98
37) 1,2-Dichloroethane	6.32	62	1396568	10.996	ppbv	99
38) Trichloroethene	7.85	130	1276763	10.971	ppbv	98
39) 1,2-Dichloropropane	7.63	63	854111	10.625	ppbv	92
40) 1,4-Dioxane	7.85	88	245628	7.668	ppbv #	12
41) Tetrahydrofuran	6.06	42	923818	11.391	ppbv	98
42) Bromodichloromethane	7.81	83	1955313	11.418	ppbv	99
43) Methyl Methacrylate	8.03	69	958558	11.716	ppbv	100

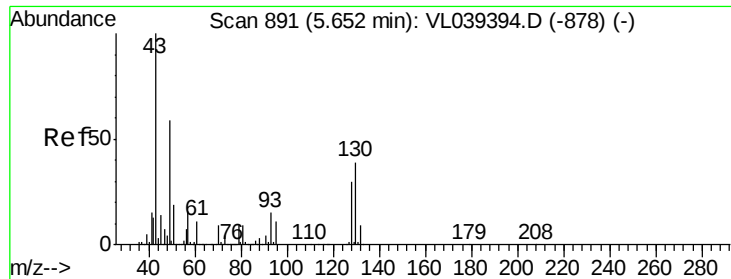
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 QLast Update : Wed Jul 06 02:15:38 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3885840	10.657	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	936173	12.851	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1251827	12.485	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	978071	10.844	ppbv	98
48) Dibromochloromethane	10.32	129	1728557	12.058	ppbv	99
49) Bromoform	13.06	173	1438328	12.437	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2448656	11.571	ppbv	99
51) 2-Hexanone	10.15	43	1885094	11.777	ppbv	100
52) Tetrachloroethene	11.24	164	940706	10.860	ppbv	96
53) Toluene	9.82	91	2847064	11.471	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1281121	11.415	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	1281931	10.820	ppbv	94
57) Chlorobenzene	12.16	112	2196720	10.565	ppbv	96
58) Ethyl Benzene	12.73	91	3823874	11.042	ppbv	98
59) m/p-Xylene	13.01	91	3461549	11.338	ppbv #	36
60) o-Xylene	13.71	91	3189433	11.032	ppbv	100
61) Styrene	13.54	104	1879792	12.003	ppbv	100
62) Isopropylbenzene	14.68	105	4744305	10.776	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	1482587	9.784	ppbv	99
64) n-propylbenzene	15.58	120	1229326	11.017	ppbv	99
65) tert-Butylbenzene	16.76	119	4354553	10.704	ppbv	99
66) Benzyl Chloride	17.00	91	458509	11.860	ppbv	99
67) sec-Butylbenzene	17.31	105	5911507	10.788	ppbv	99
69) p-Isopropyltoluene	17.67	119	5132720	11.039	ppbv	100
70) n-Butylbenzene	18.56	91	4970113	11.014	ppbv	99
71) 2-Chlorotoluene	15.47	91	3438396	10.912	ppbv	100
72) 4-Ethyltoluene	15.85	105	3862277	11.363	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	3530394	11.309	ppbv	96
74) 1,2,4-Trimethylbenzene	16.78	105	3768593	10.912	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	2262407	10.982	ppbv	100
76) 1,4-Dichlorobenzene	17.16	146	2199795	10.774	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	2176474	10.659	ppbv	100
78) Hexachloro-1,3-Butadiene	23.39	225	1573485	9.581	ppbv	99
79) Naphthalene	22.21	128	3047210	12.821	ppbv	100
80) Naphthalene, 2-methyl-	24.98	142	1102957	13.635	ppbv	96
81) 1,2,4-Trichlorobenzene	21.94	180	1750421	11.308	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 20 Jul 2022 14:37 VSTDCCC010

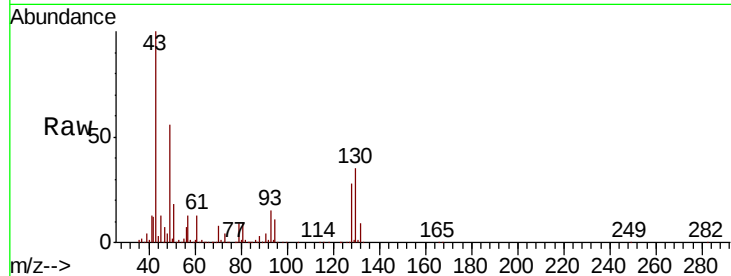
Tot Ion: 49 Resp: 997848

Ion Ratio Lower Upper

49 100

128 53.3 26.7 80.0

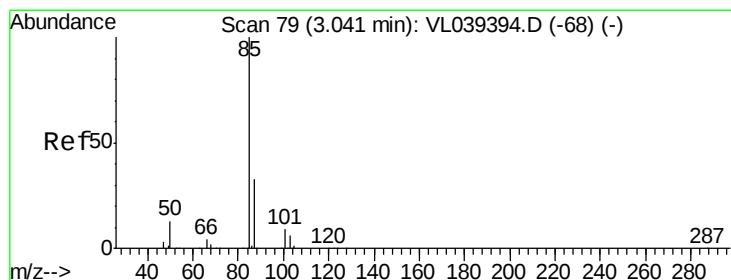
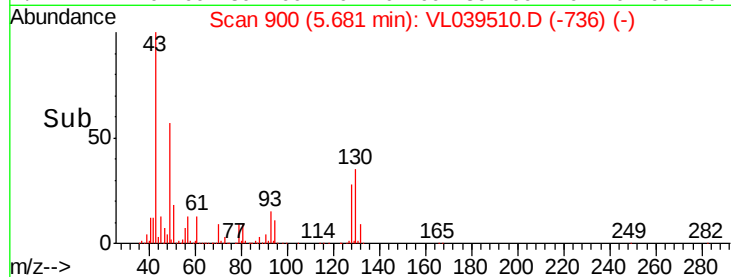
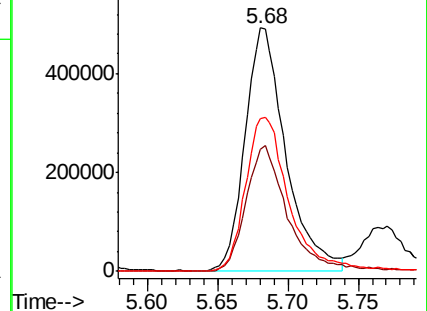
130 68.0 34.3 102.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.312 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.02 min

Lab File: VL039510.D

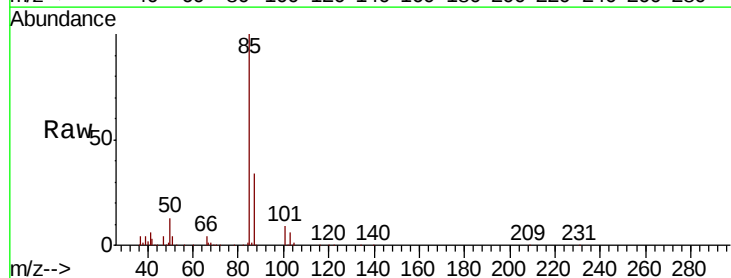
Acq: 20 Jul 2022 14:37

Tgt Ion: 85 Resp: 1052464

Ion Ratio Lower Upper

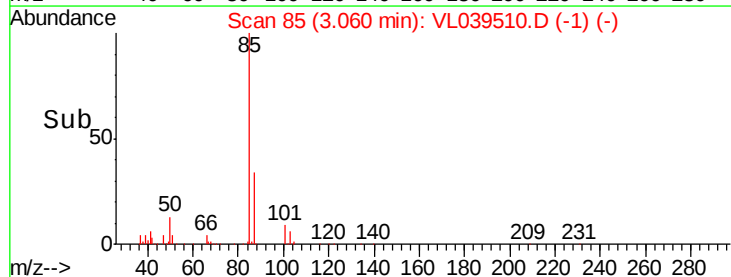
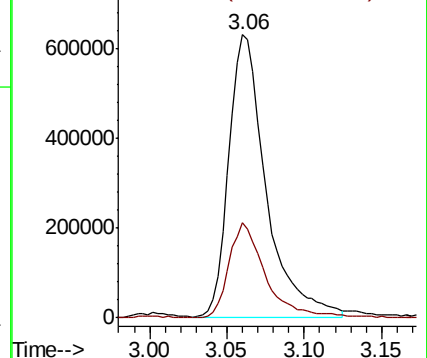
85 100

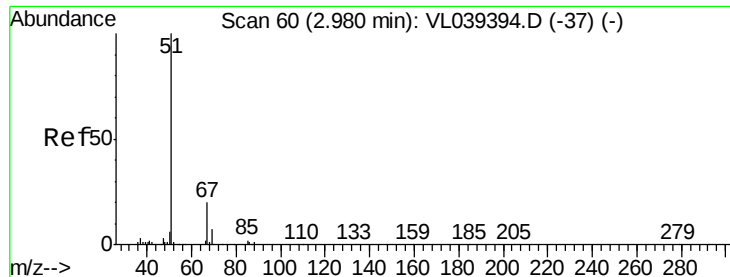
87 33.6 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

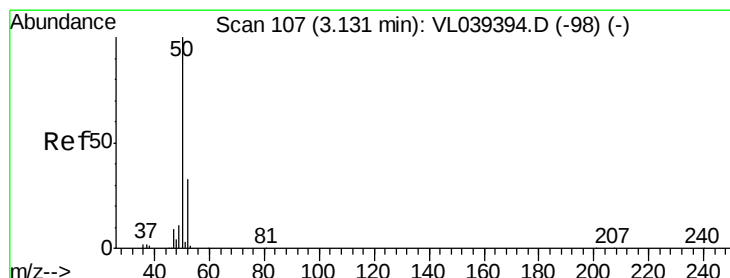
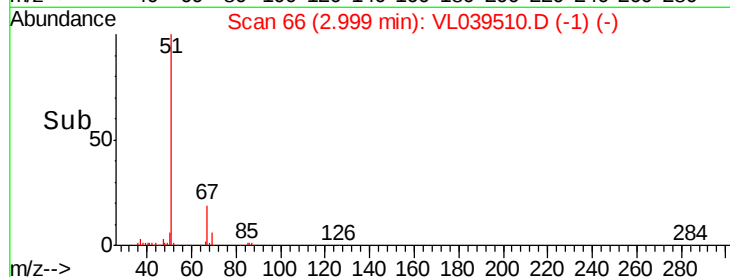
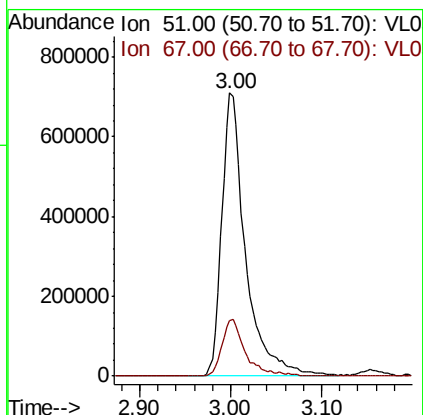
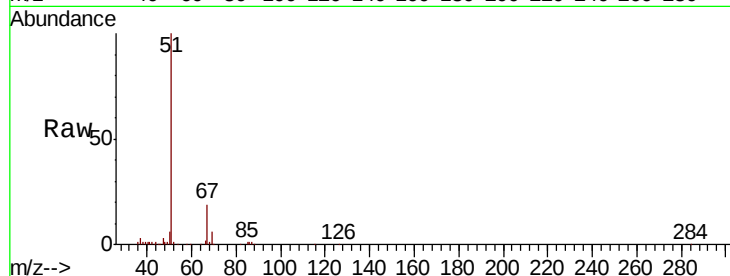
Ion 87.00 (86.70 to 87.70): VL0





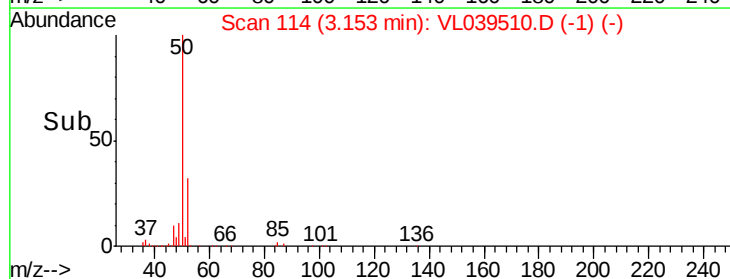
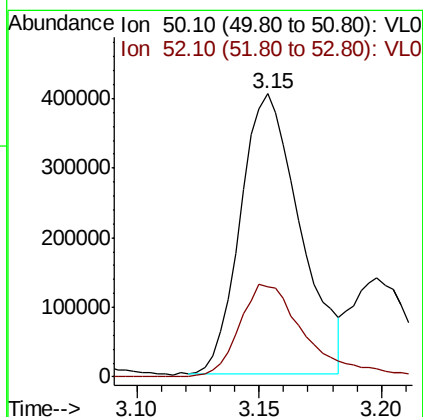
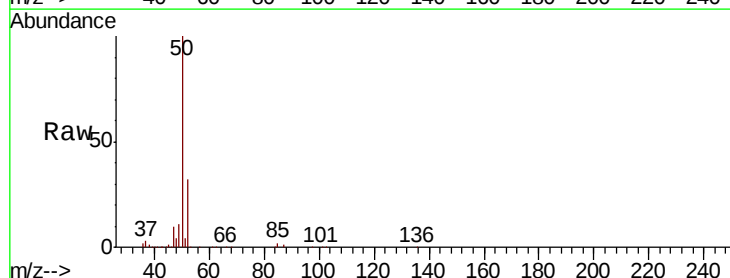
#3
 Chlorodifluoromethane
 Concen: 10.193 ppbv
 RT: 3.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 20 Jul 2022 14:37

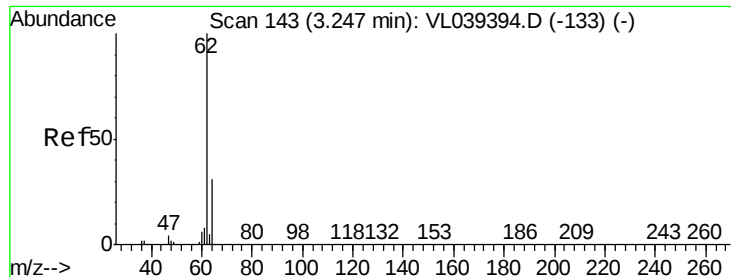
Tot Ion: 51 Resp: 1290439
 Ion Ratio Lower Upper
 51 100
 67 19.9 15.7 23.5



#4
 Chloromethane
 Concen: 9.900 ppbv
 RT: 3.15 min Scan# 114
 Delta R.T. 0.02 min
 Lab File: VL039510.D
 Acq: 20 Jul 2022 14:37

Tgt Ion: 50 Resp: 685490
 Ion Ratio Lower Upper
 50 100
 52 32.1 26.5 39.7





#5

Vinyl Chloride

Concen: 10.051 ppbv

RT: 3.27 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

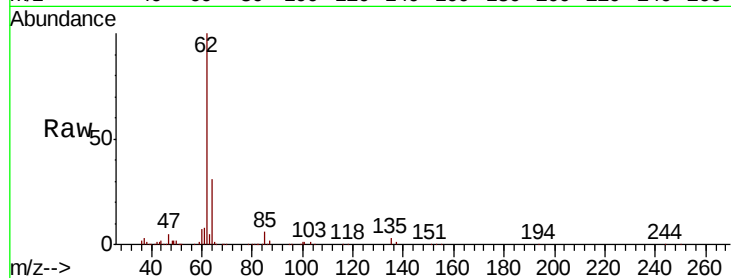
Acq: 20 Jul 2022 14:37

Tot Ion: 62 Resp: 686207

Ion Ratio Lower Upper

62 100

64 31.2 24.6 36.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.27

400000

300000

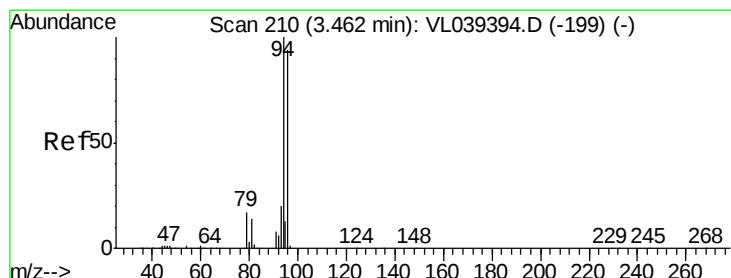
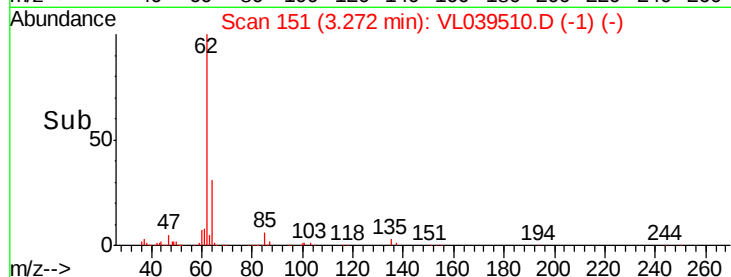
200000

100000

0

Time-->

3.20 3.25 3.30 3.35 3.40



#6

Bromomethane

Concen: 10.493 ppbv

RT: 3.49 min Scan# 218

Delta R.T. 0.03 min

Lab File: VL039510.D

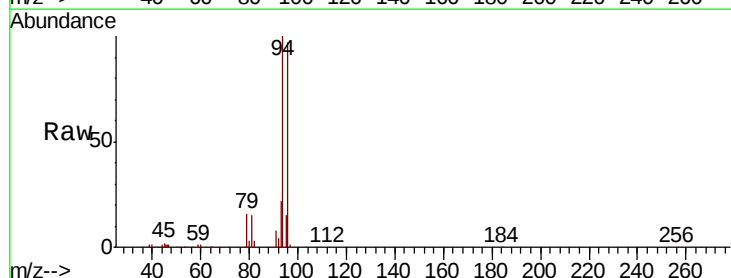
Acq: 20 Jul 2022 14:37

Tgt Ion: 94 Resp: 301513

Ion Ratio Lower Upper

94 100

96 96.6 75.6 113.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.49

150000

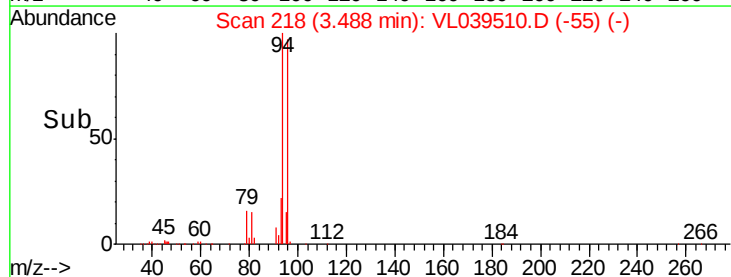
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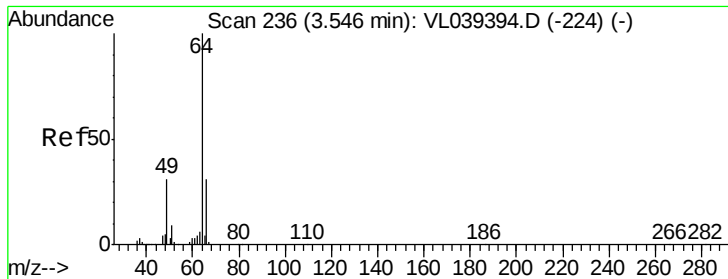
50000

0

Time-->

3.40 3.45 3.50 3.55





#7

Chloroethane

Concen: 10.663 ppbv

RT: 3.57 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

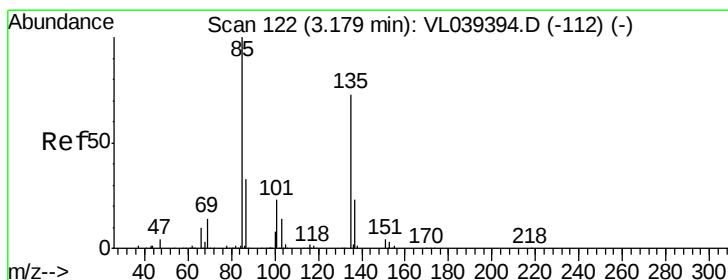
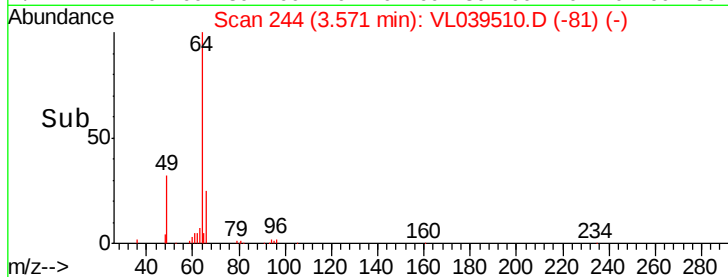
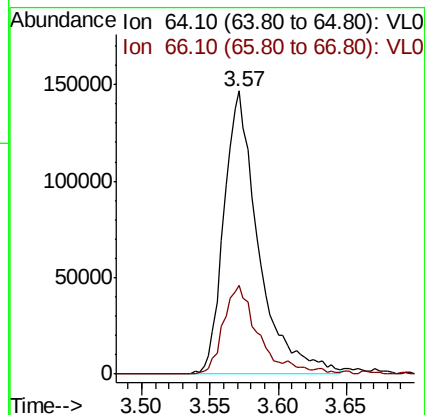
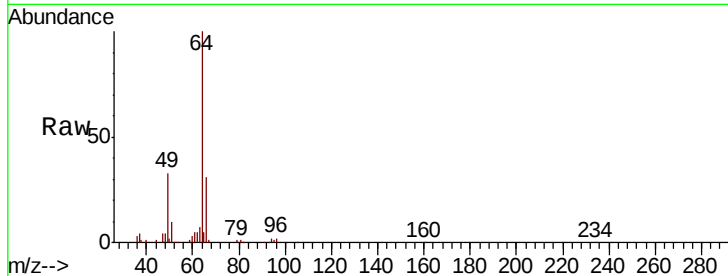
Acq: 20 Jul 2022 14:37 VSTDCCC010

Tot Ion: 64 Resp: 258937

Ion Ratio Lower Upper

64 100

66 31.2 24.7 37.1



#8

Dichlorotetrafluoroethane

Concen: 9.468 ppbv

RT: 3.20 min Scan# 129

Delta R.T. 0.02 min

Lab File: VL039510.D

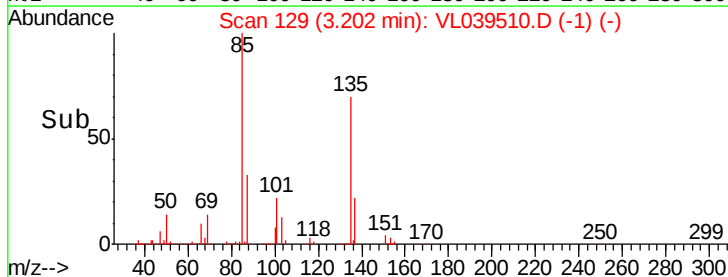
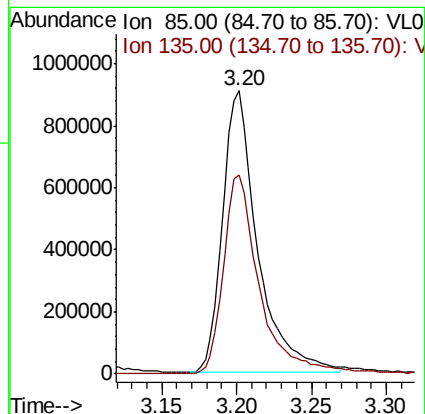
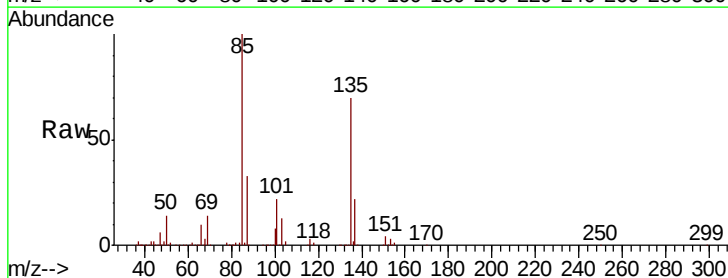
Acq: 20 Jul 2022 14:37

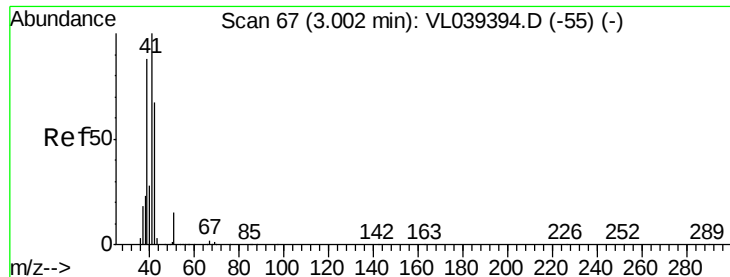
Tgt Ion: 85 Resp: 1488574

Ion Ratio Lower Upper

85 100

135 73.7 59.0 88.4





#9

Propene

Concen: 9.688 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

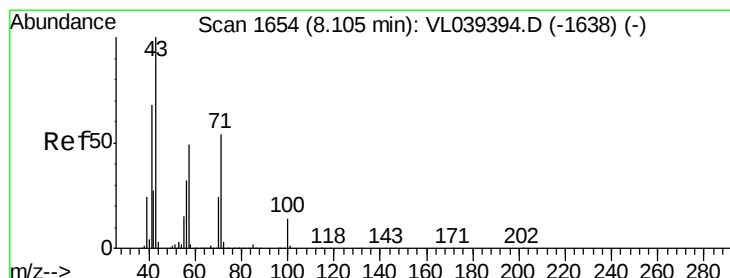
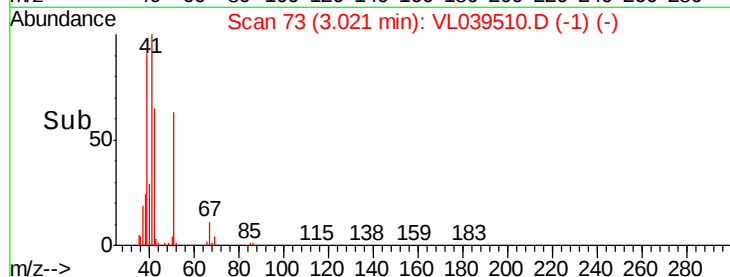
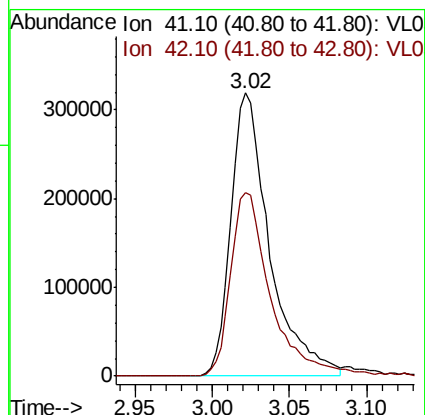
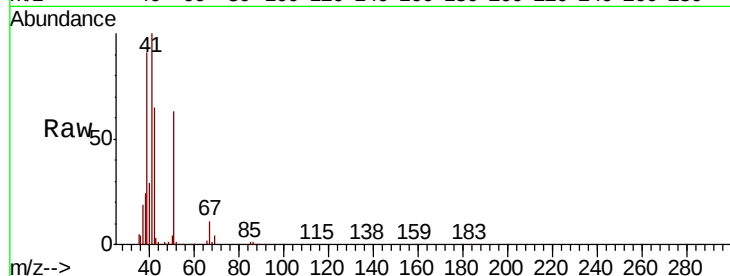
Acq: 20 Jul 2022 14:37

Tot Ion: 41 Resp: 553886

Ion Ratio Lower Upper

41 100

42 68.1 55.2 82.8



#10

Heptane

Concen: 10.878 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.04 min

Lab File: VL039510.D

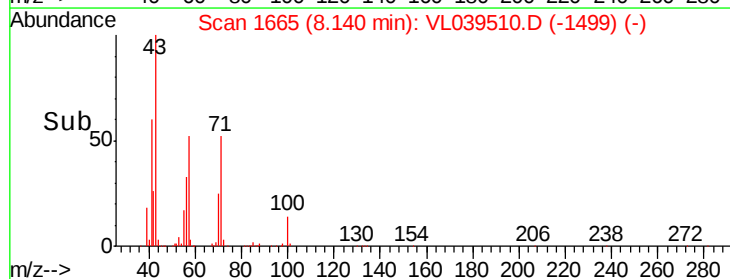
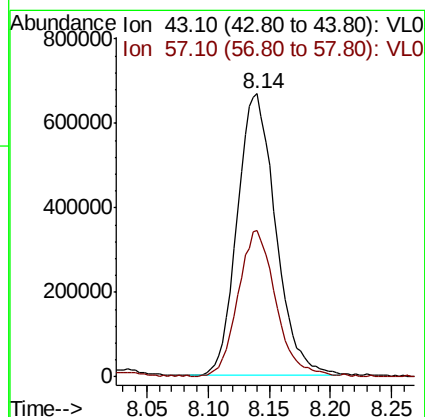
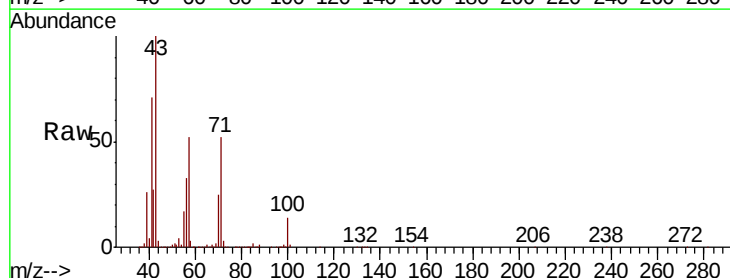
Acq: 20 Jul 2022 14:37

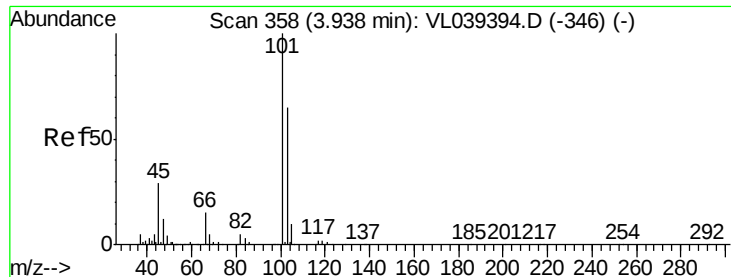
Tgt Ion: 43 Resp: 1456578

Ion Ratio Lower Upper

43 100

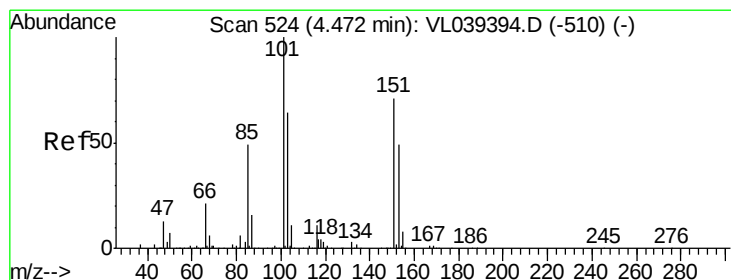
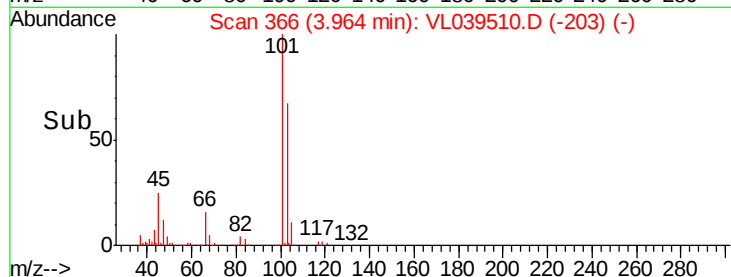
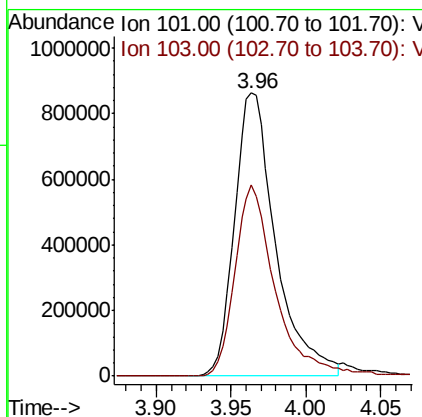
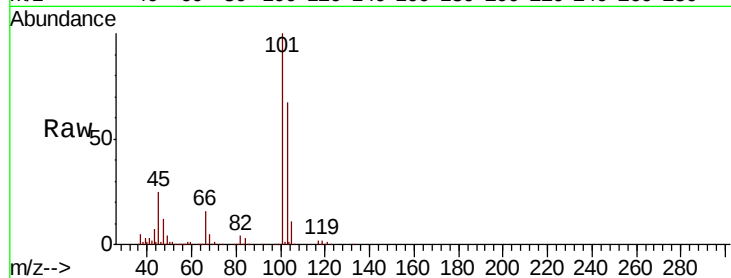
57 50.7 40.5 60.7





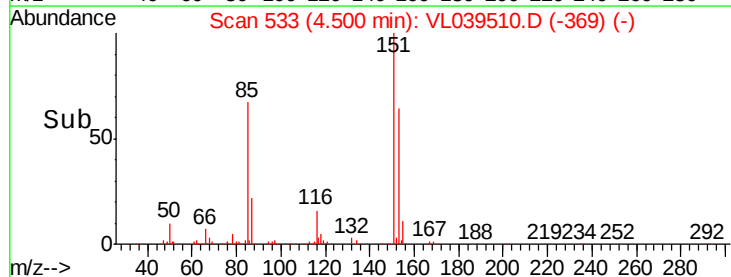
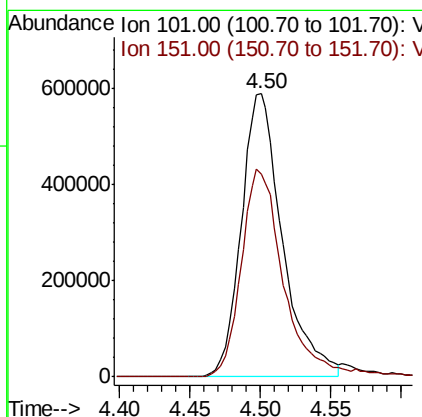
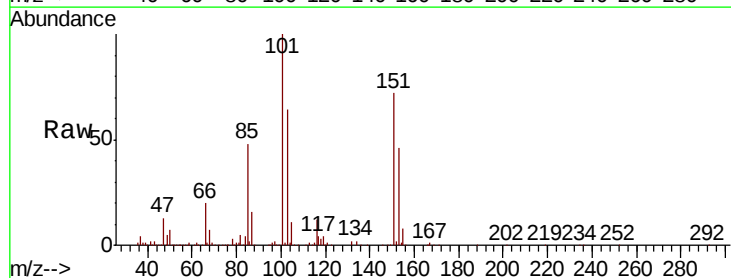
#11
 Trichlorofluoromethane
 Concen: 10.310 ppbv
 RT: 3.96 Instrument : MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VSTDCCC010
 Acq: 20 Jul 2022 14:37

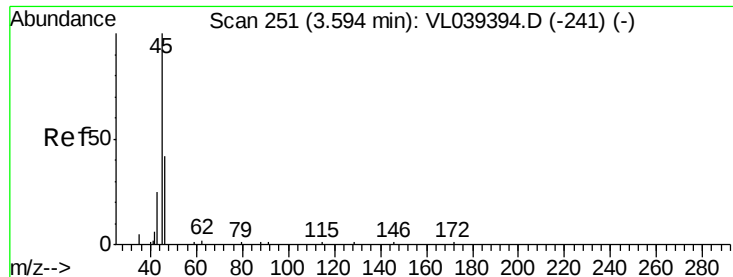
Tot Ion:101 Resp: 1653587
 Ion Ratio Lower Upper
 101 100
 103 67.4 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.061 ppbv
 RT: 4.50 min Scan# 533
 Delta R.T. 0.03 min
 Lab File: VL039510.D
 Acq: 20 Jul 2022 14:37

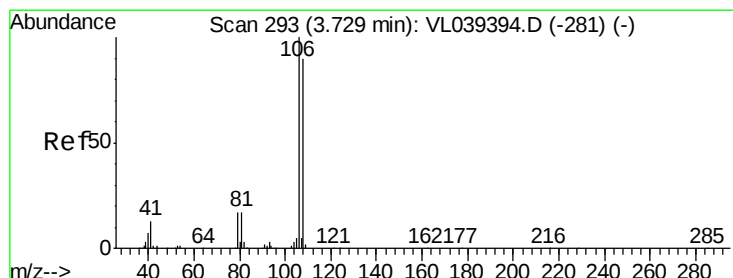
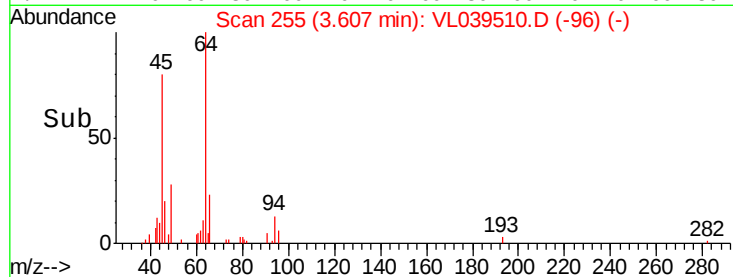
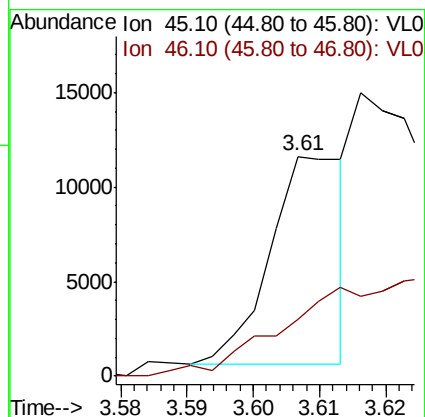
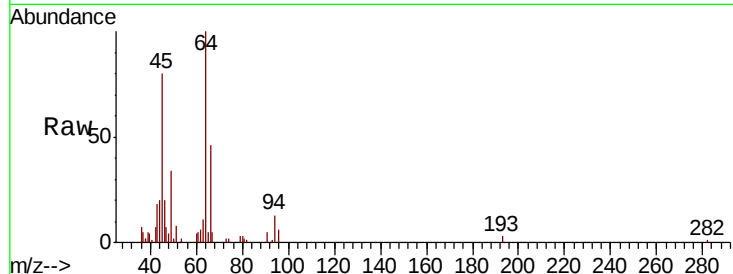
Tgt Ion:101 Resp: 1202934
 Ion Ratio Lower Upper
 101 100
 151 76.1 58.9 88.3





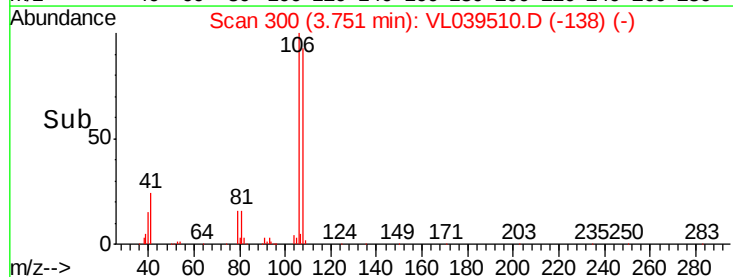
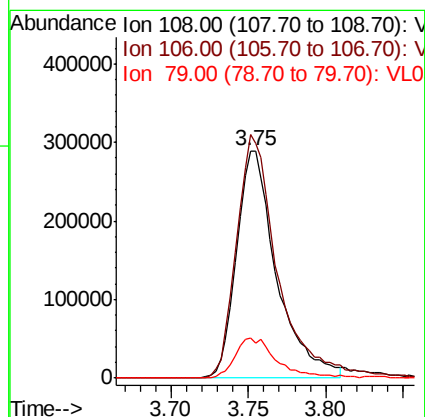
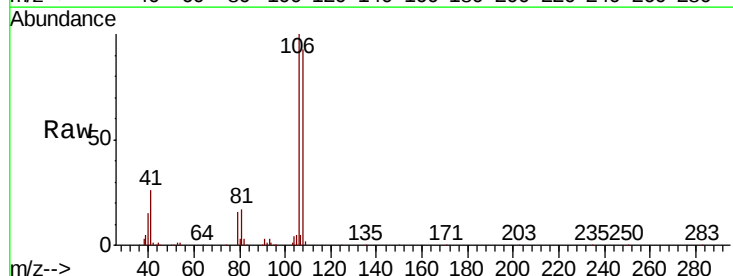
#13
Ethanol
Concen: 2.598 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 20 Jul 2022 14:37

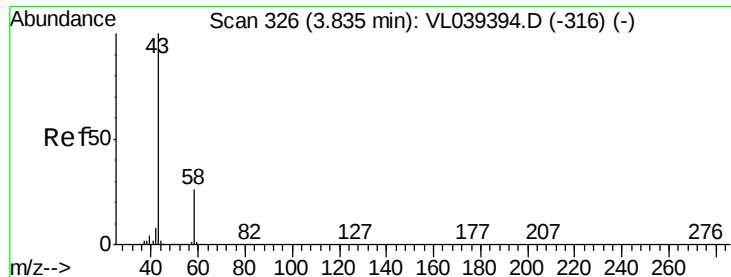
Tot Ion: 45 Resp: 8616
Ion Ratio Lower Upper
45 100
46 0.0 22.8 91.2#



#14
Bromoethene
Concen: 10.364 ppbv
RT: 3.75 min Scan# 300
Delta R.T. 0.02 min
Lab File: VL039510.D
Acq: 20 Jul 2022 14:37

Tgt Ion:108 Resp: 520964
Ion Ratio Lower Upper
108 100
106 111.4 87.1 130.7
79 19.4 14.6 22.0





#15

Acetone

Concen: 10.399 ppbv

RT: 3.86 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

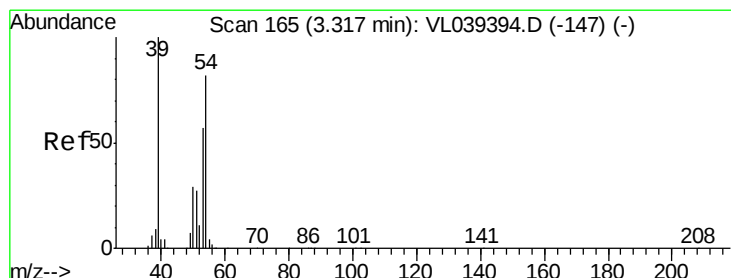
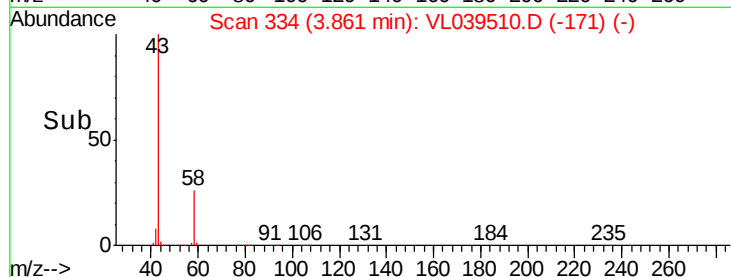
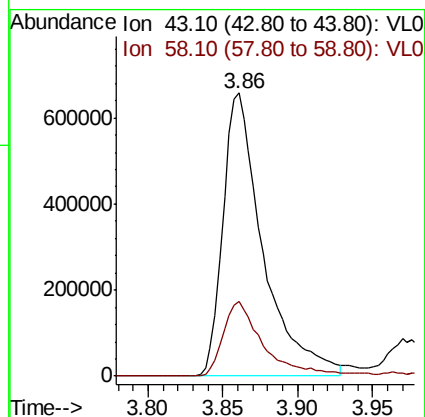
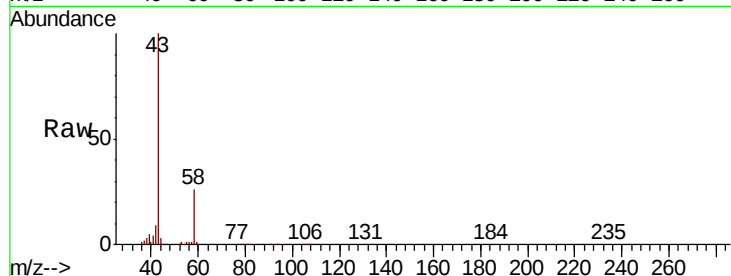
Acq: 20 Jul 2022 14:37 VSTDCCC010

Tot Ion: 43 Resp: 1227610

Ion Ratio Lower Upper

43 100

58 26.8 21.0 31.6



#16

1,3-Butadiene

Concen: 10.712 ppbv

RT: 3.34 min Scan# 172

Delta R.T. 0.02 min

Lab File: VL039510.D

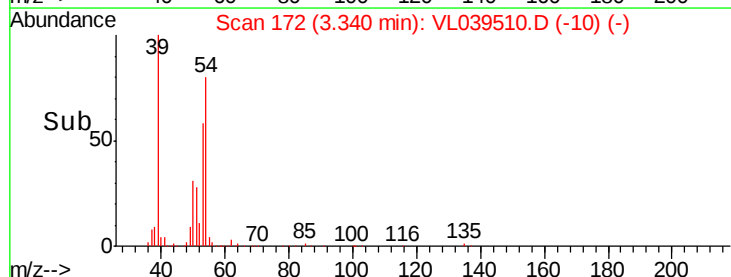
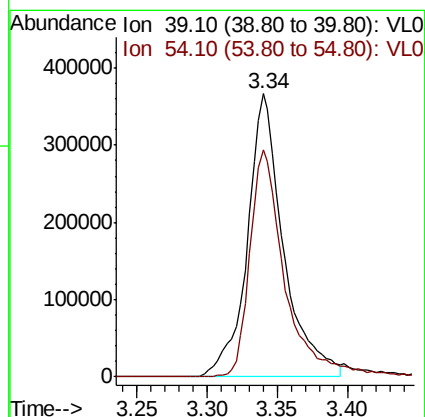
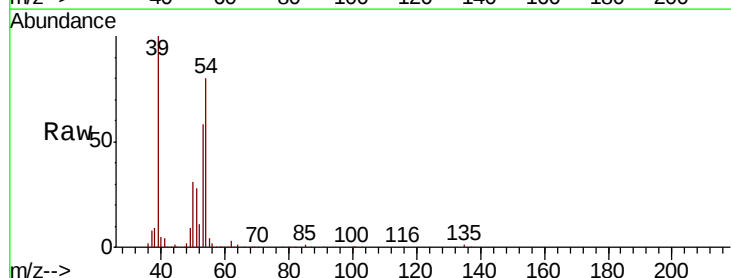
Acq: 20 Jul 2022 14:37

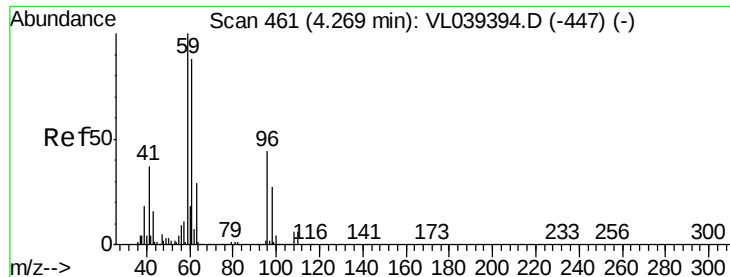
Tgt Ion: 39 Resp: 656169

Ion Ratio Lower Upper

39 100

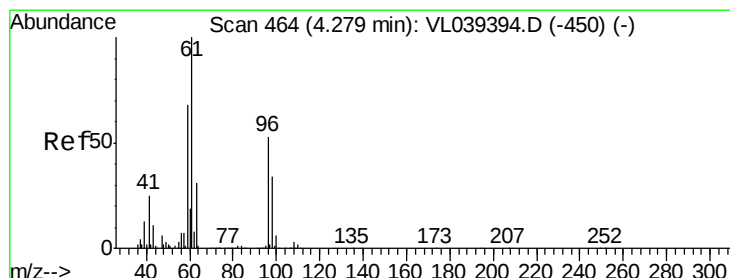
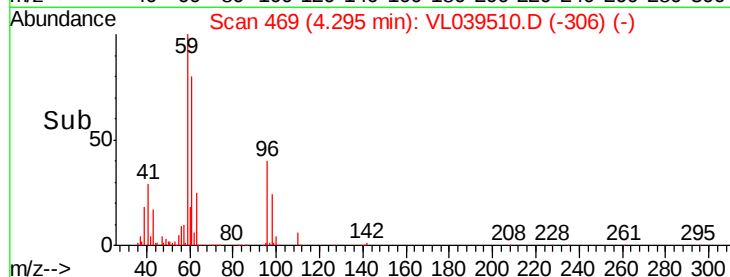
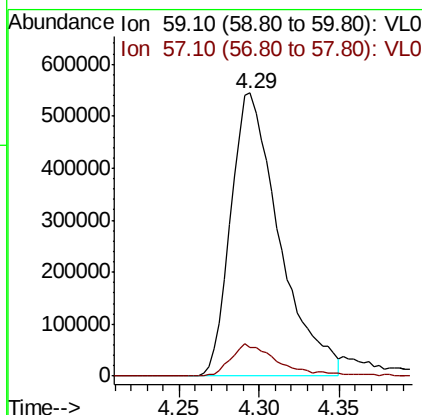
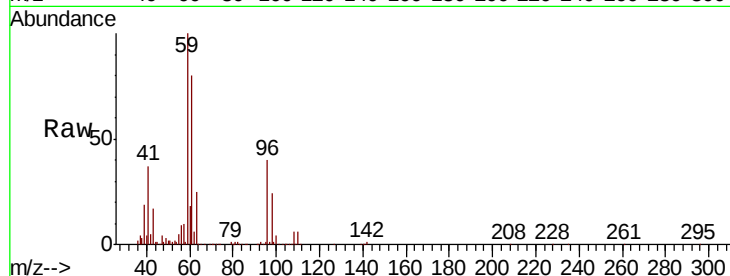
54 78.8 63.7 95.5





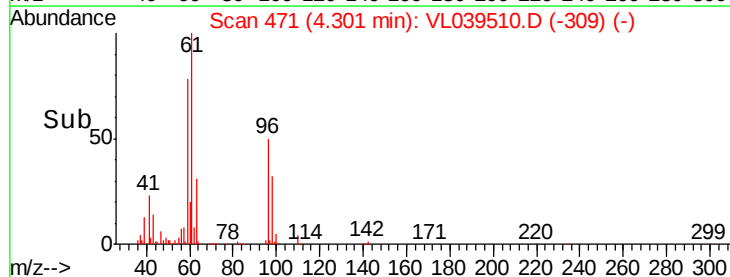
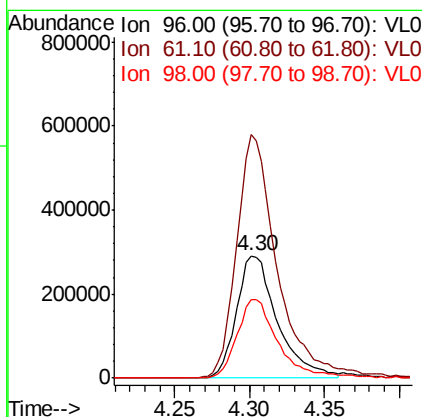
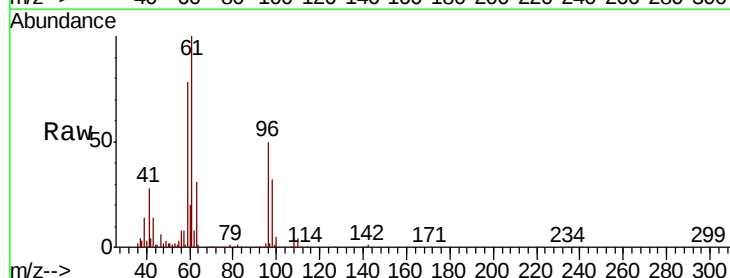
#17
tert-Butyl alcohol
Concen: 11.275 ppbv
RT: 4.29
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 20 Jul 2022 14:37

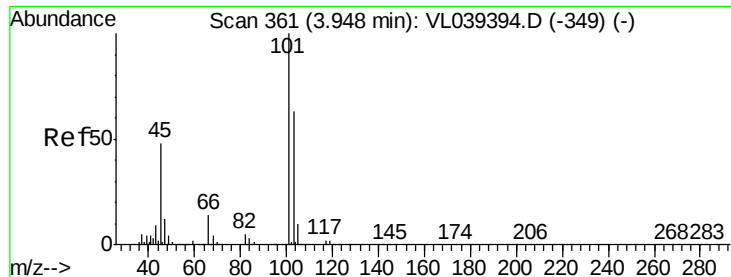
Tot Ion: 59 Resp: 1129730
Ion Ratio Lower Upper
59 100
57 11.6 8.7 13.1



#18
1,1-Dichloroethene
Concen: 10.250 ppbv
RT: 4.30 min Scan# 471
Delta R.T.: 0.02 min
Lab File: VL039510.D
Acq: 20 Jul 2022 14:37

Tgt Ion: 96 Resp: 555190
Ion Ratio Lower Upper
96 100
61 198.9 152.2 228.4
98 63.7 51.8 77.6





#19

Isopropyl Alcohol

Concen: 10.168 ppbv

RT: 3.97 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

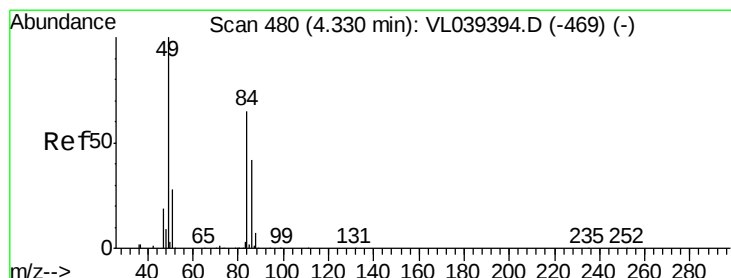
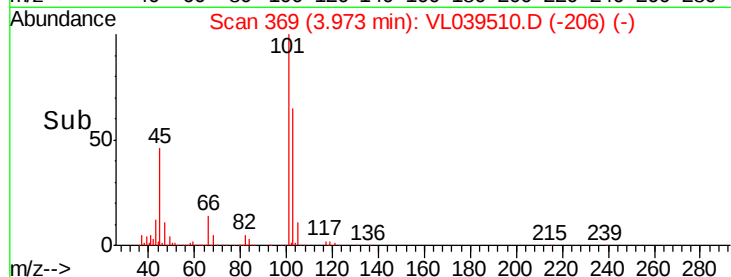
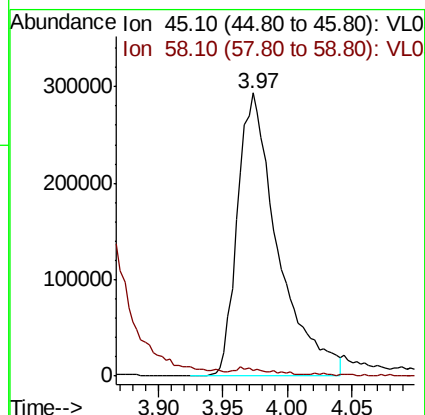
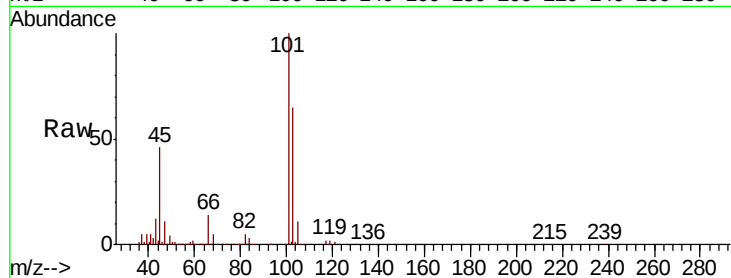
Acq: 20 Jul 2022 14:37

Tot Ion: 45 Resp: 640258

Ion Ratio Lower Upper

45 100

58 2.9 3.2 4.8#



#20

Methylene Chloride

Concen: 9.706 ppbv

RT: 4.36 min Scan# 489

Delta R.T. 0.03 min

Lab File: VL039510.D

Acq: 20 Jul 2022 14:37

Tgt Ion: 84 Resp: 456702

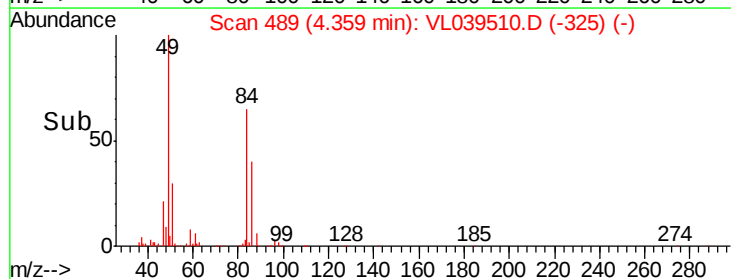
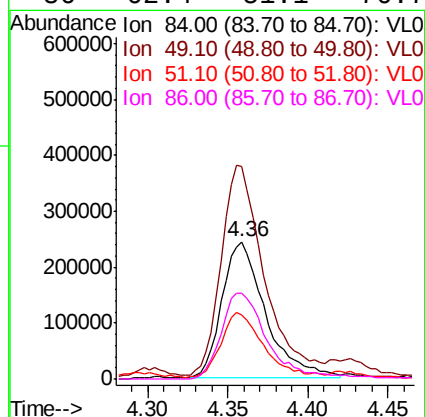
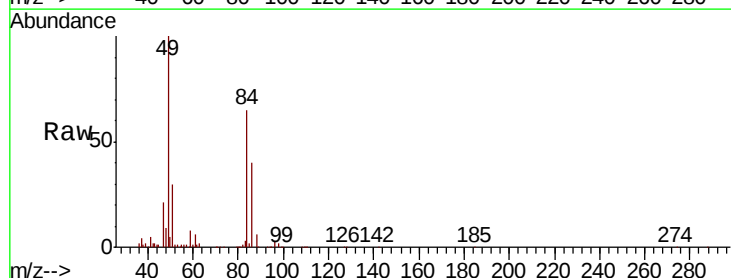
Ion Ratio Lower Upper

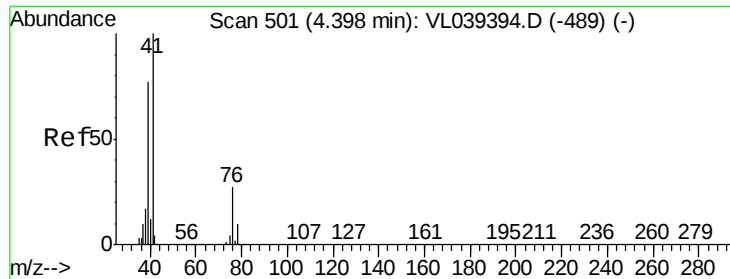
84 100

49 153.6 123.1 184.7

51 45.4 34.4 51.6

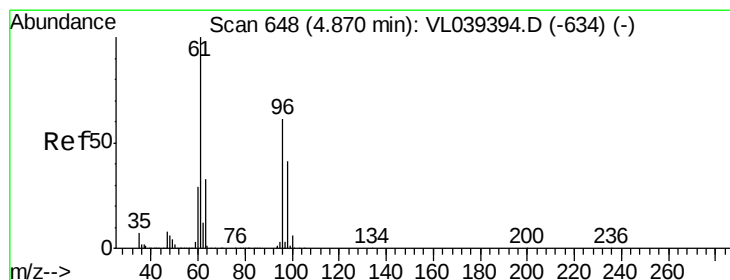
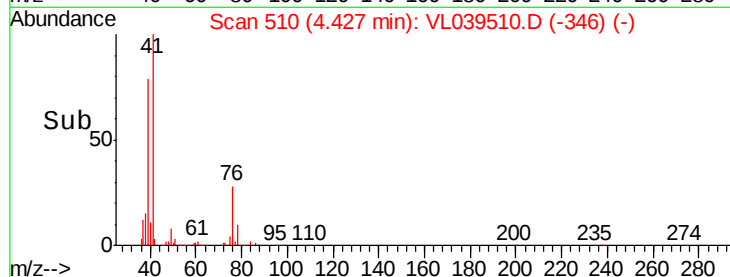
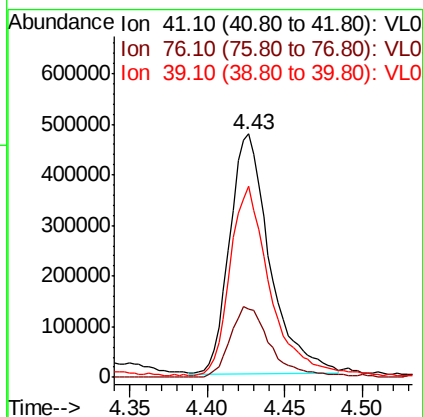
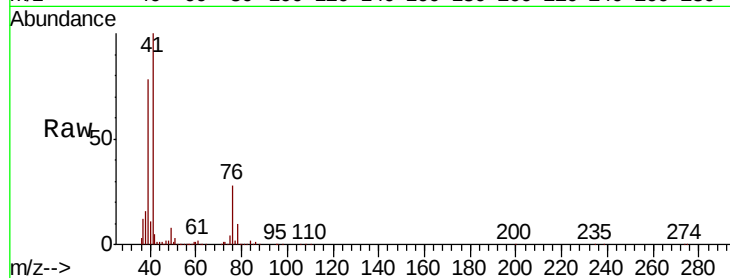
86 62.4 51.1 76.7





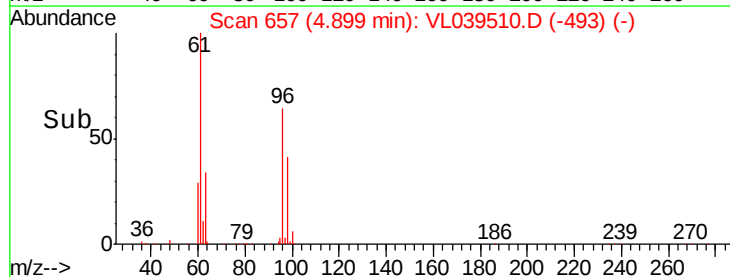
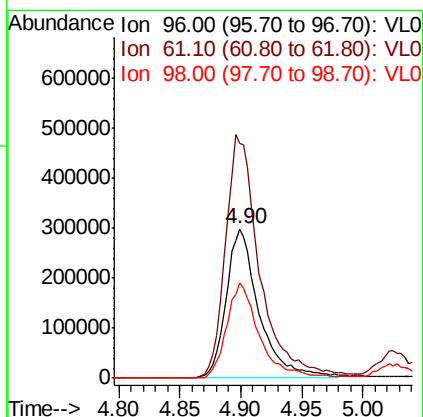
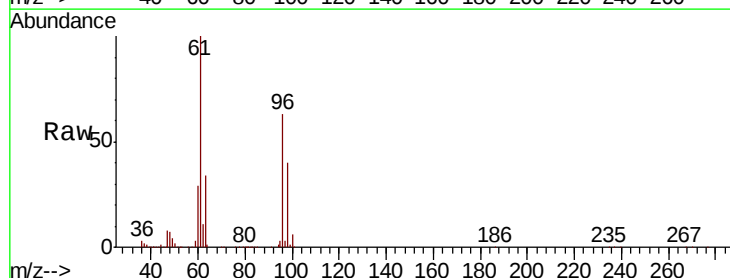
#21
 Allvl Chloride
 Concen: 10.507 ppbv
 RT: 4.43
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 20 Jul 2022 14:37

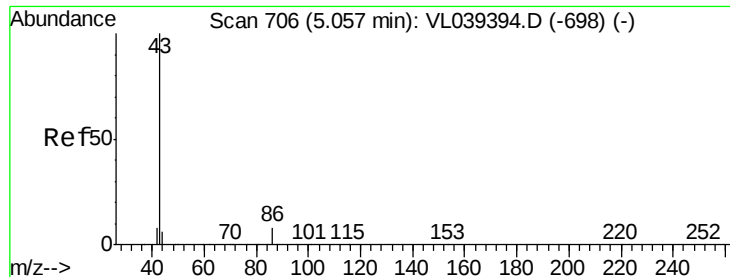
Tot Ion	Ratio	Lower	Upper
41	100		
76	29.9	24.4	36.6
39	79.9	63.5	95.3



#22
 trans-1,2-Dichloroethene
 Concen: 10.770 ppbv
 RT: 4.90 min Scan# 657
 Delta R.T. 0.03 min
 Lab File: VL039510.D
 Acq: 20 Jul 2022 14:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.7	130.6	195.8
98	63.6	53.4	80.0





#23

Vinyl Acetate

Concen: 11.712 ppbv

RT: 5.09 Instrument:

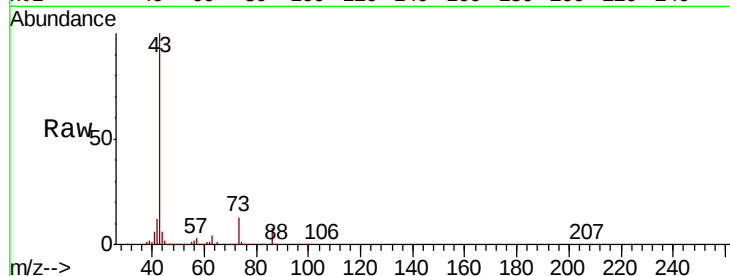
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

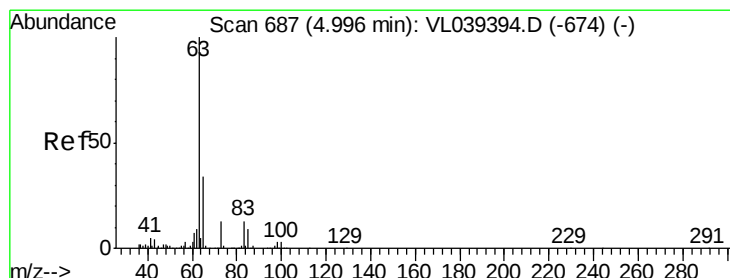
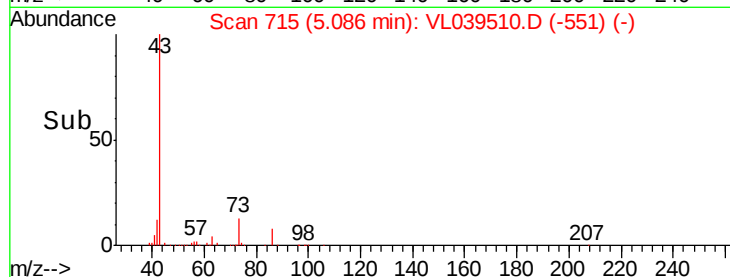
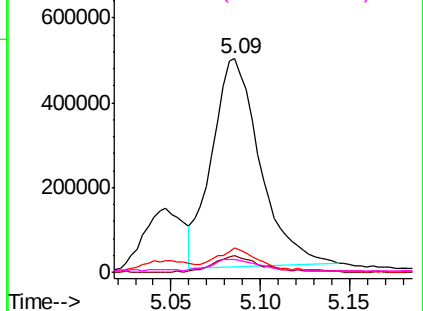
Acq: 20 Jul 2022 14:37 VSTDCCC010

Tot Ion: 43 Resp: 923960

Ion	Ratio	Lower	Upper
43	100		
86	7.7	5.0	7.6#
42	11.2	7.7	11.5
44	5.8	4.6	7.0



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.974 ppbv

RT: 5.02 min Scan# 696

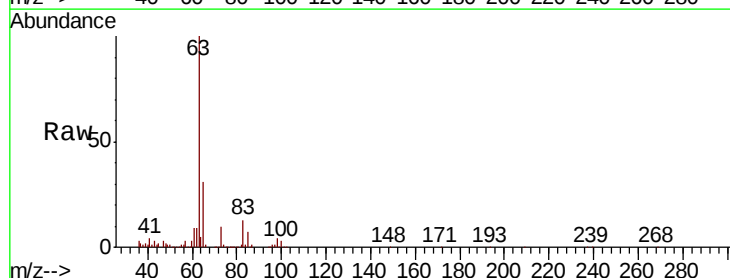
Delta R.T. 0.03 min

Lab File: VL039510.D

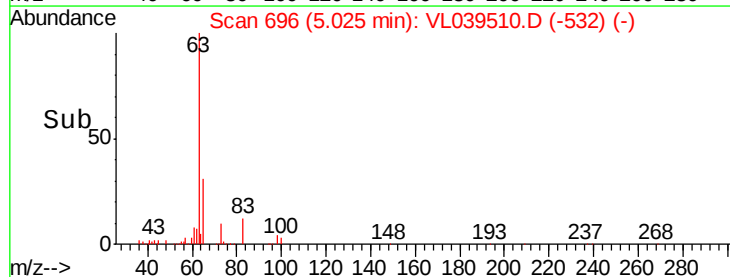
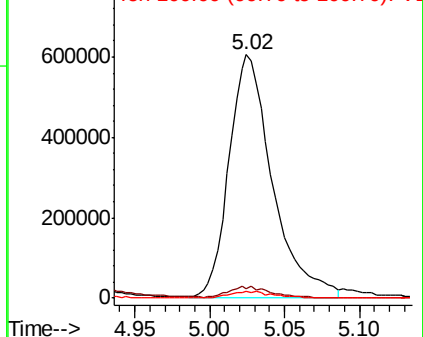
Acq: 20 Jul 2022 14:37

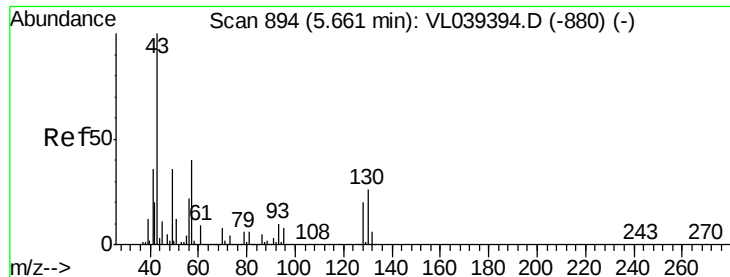
Tgt Ion: 63 Resp: 1222780

Ion	Ratio	Lower	Upper
63	100		
98	3.7	1.8	5.3
100	2.6	1.5	4.4



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0

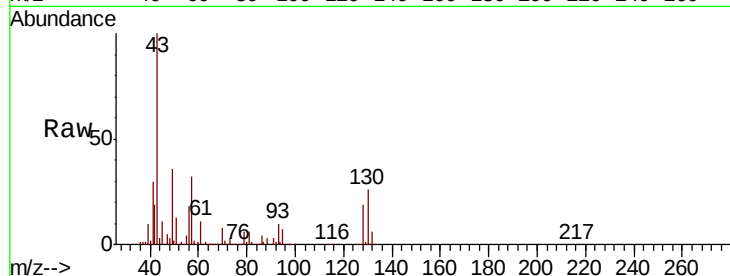




#25
Ethyl Acetate
Concen: 10.938 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 20 Jul 2022 14:37

Tot Ion: 43 Resp: 2647661

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	10.0	8.3	12.5
70	7.1	5.9	8.9



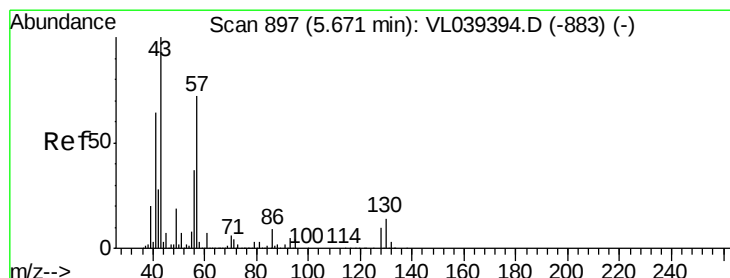
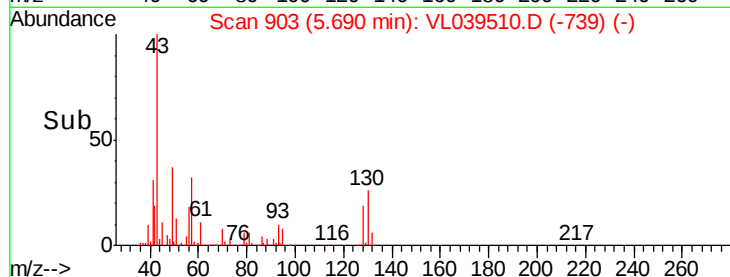
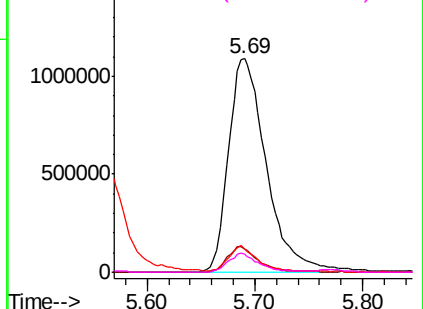
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

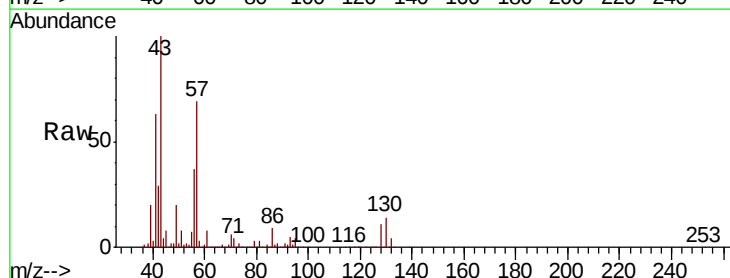
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 11.497 ppbv
RT: 5.70 min Scan# 907
Delta R.T.: 0.03 min
Lab File: VL039510.D
Acq: 20 Jul 2022 14:37

Tgt Ion: 57 Resp: 1121774

Ion	Ratio	Lower	Upper
57	100		
41	94.8	76.9	115.3
43	239.5	191.0	286.6
56	54.3	43.2	64.8



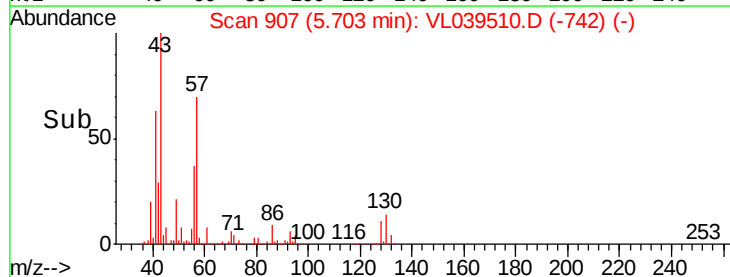
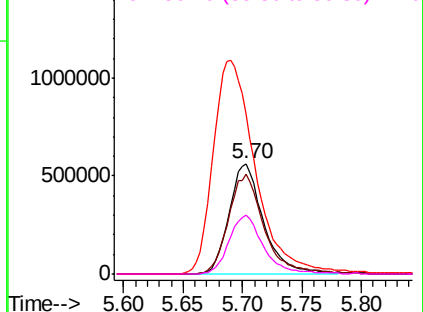
Abundance

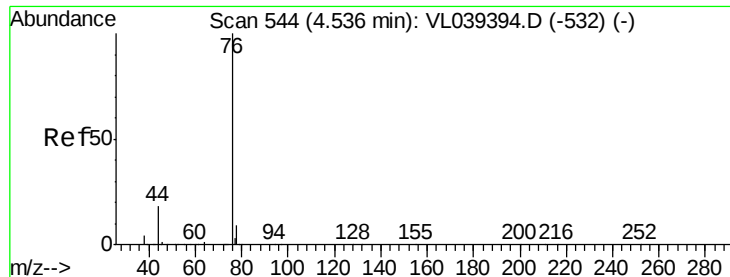
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.453 ppbv

RT: 4.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Jul 2022 14:37 VSTDCCC010

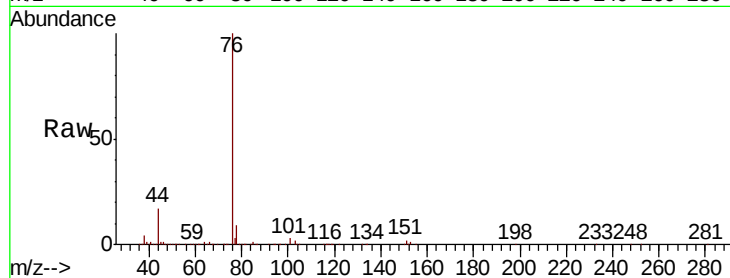
Tot Ion: 76 Resp: 1348885

Ion Ratio Lower Upper

76 100

44 18.2 14.6 21.8

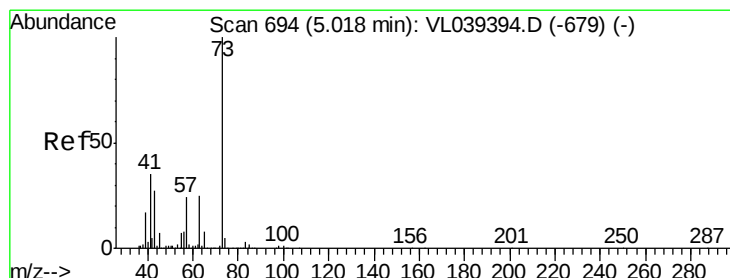
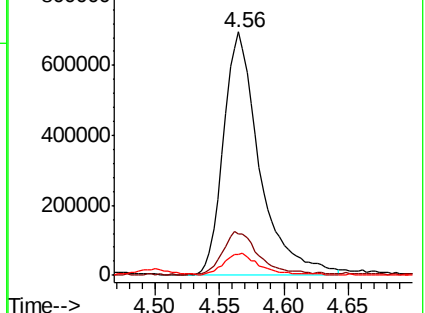
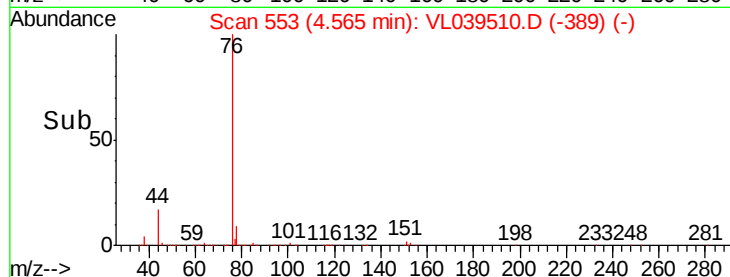
78 9.6 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.998 ppbv

RT: 5.05 min Scan# 704

Delta R.T. 0.03 min

Lab File: VL039510.D

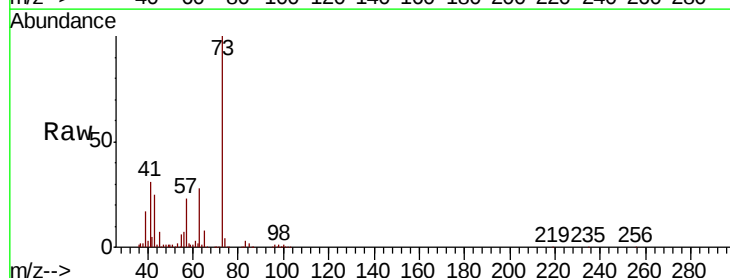
Acq: 20 Jul 2022 14:37

Tgt Ion: 73 Resp: 1147363

Ion Ratio Lower Upper

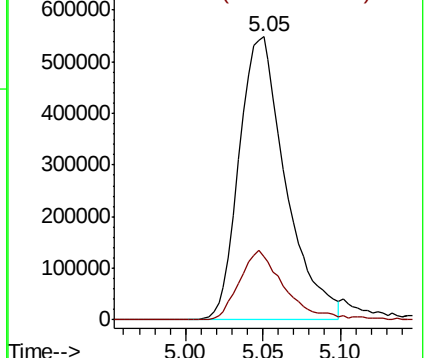
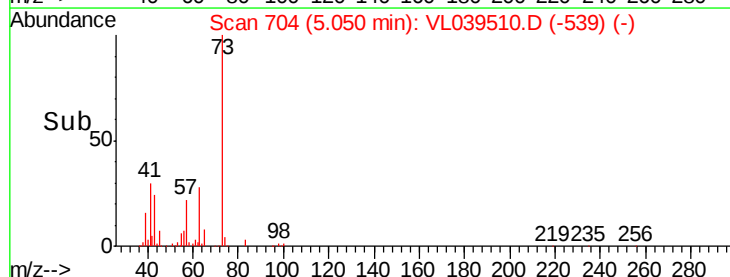
73 100

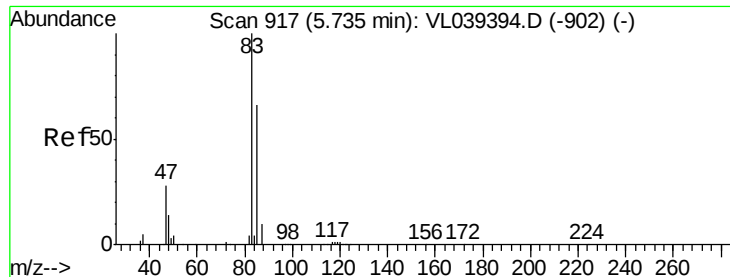
57 24.4 19.8 29.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 10.640 ppbv

RT: 5.77 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

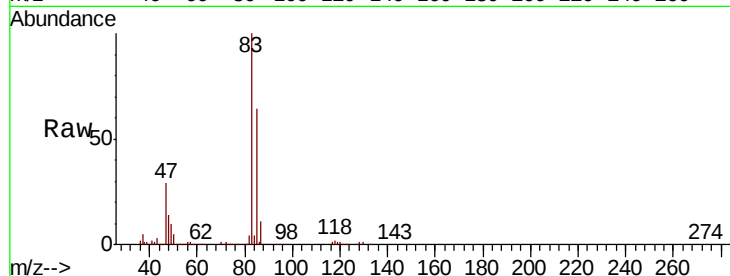
Acq: 20 Jul 2022 14:37 VSTDCCC010

Tot Ion: 83 Resp: 1805236

Ion Ratio Lower Upper

83 100

85 64.4 52.8 79.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

5.77

800000

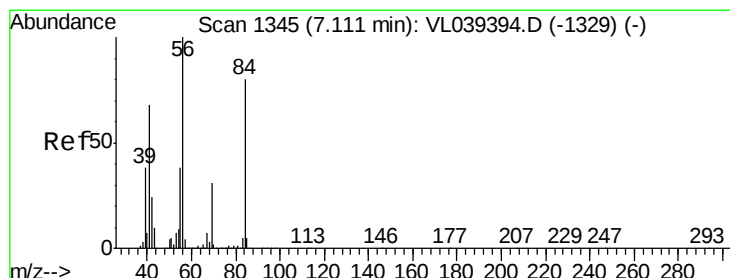
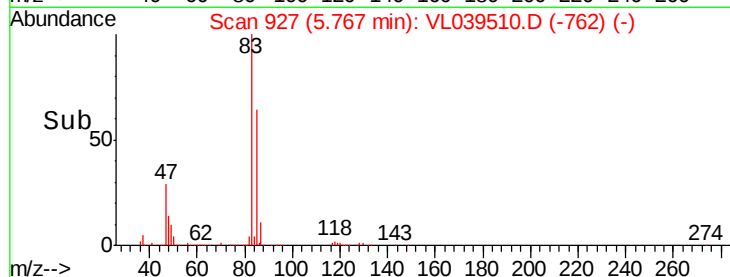
600000

400000

200000

0

Time-->



#30

Cyclohexane

Concen: 11.100 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. 0.04 min

Lab File: VL039510.D

Acq: 20 Jul 2022 14:37

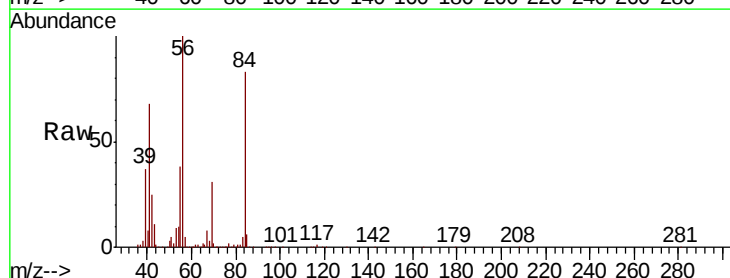
Tgt Ion: 84 Resp: 986067

Ion Ratio Lower Upper

84 100

56 129.1 107.7 161.5

41 83.5 67.7 101.5



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

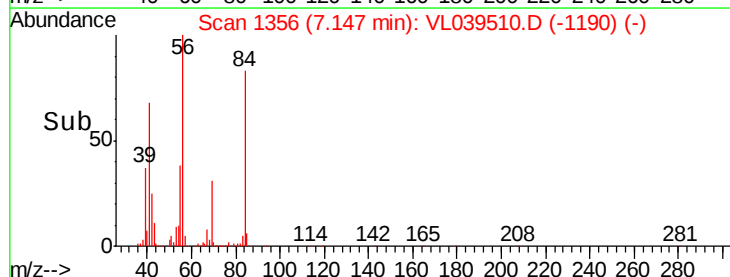
600000

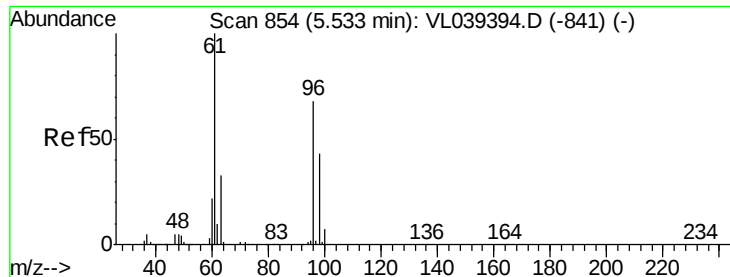
400000

200000

0

Time-->





#31

cis-1,2-Dichloroethene

Concen: 10.970 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Jul 2022 14:37 VSTDCCC010

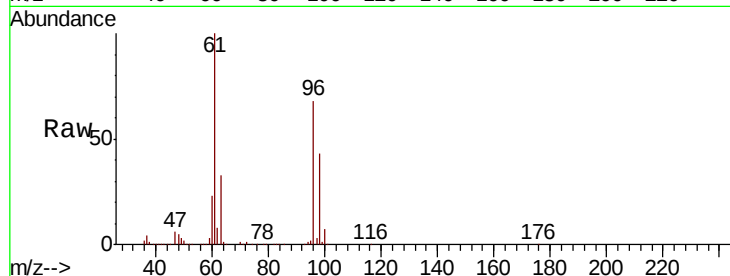
Tot Ion: 61 Resp: 1135699

Ion	Ratio	Lower	Upper
61	100		
96	67.8	54.1	81.1
98	42.8	34.6	52.0

61 100

96 67.8 54.1 81.1

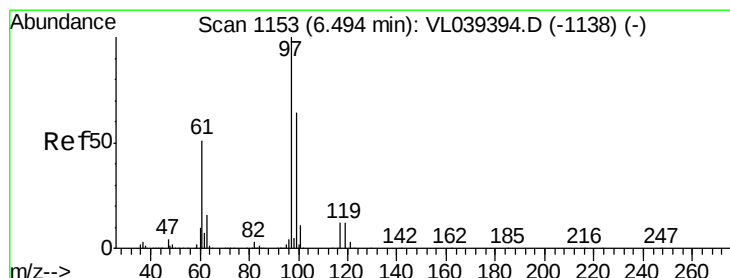
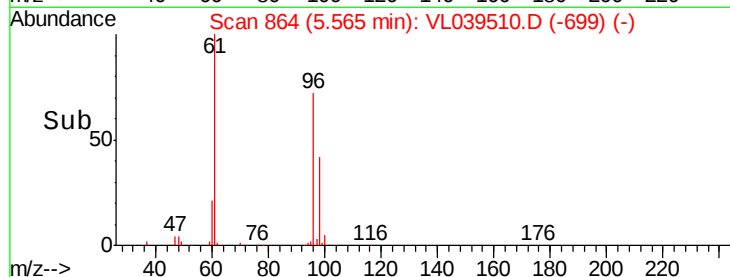
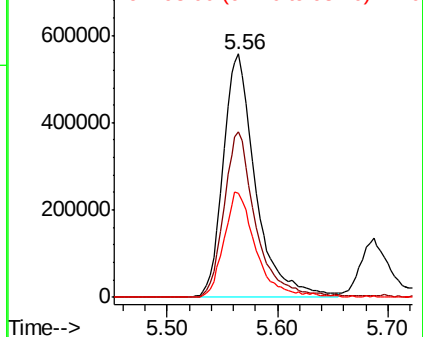
98 42.8 34.6 52.0



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 10.920 ppbv

RT: 6.53 min Scan# 1163

Delta R.T. 0.03 min

Lab File: VL039510.D

Acq: 20 Jul 2022 14:37

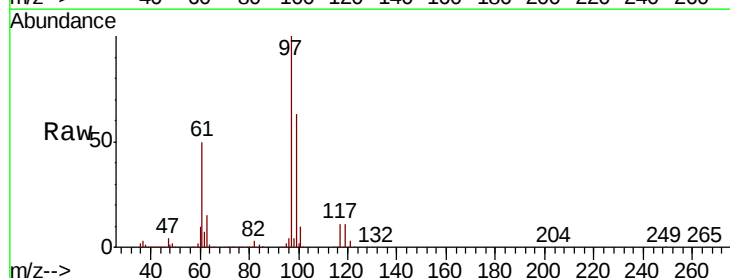
Tgt Ion: 97 Resp: 1828759

Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.3	78.5
61	51.2	40.9	61.3

97 100

99 65.2 52.3 78.5

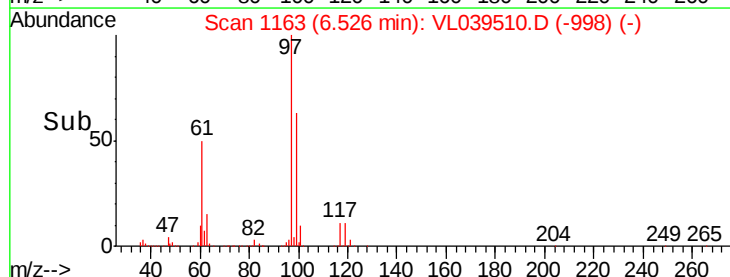
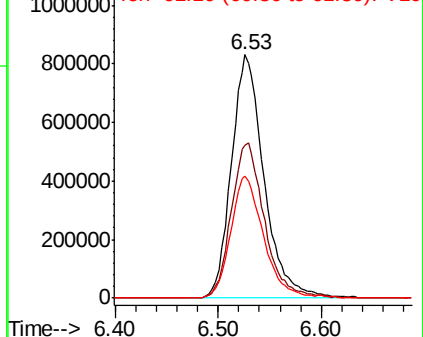
61 51.2 40.9 61.3

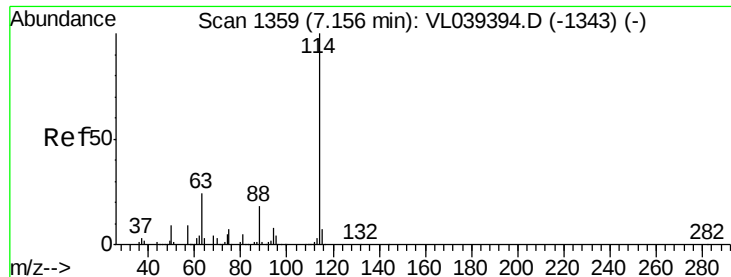


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 20 Jul 2022 14:37

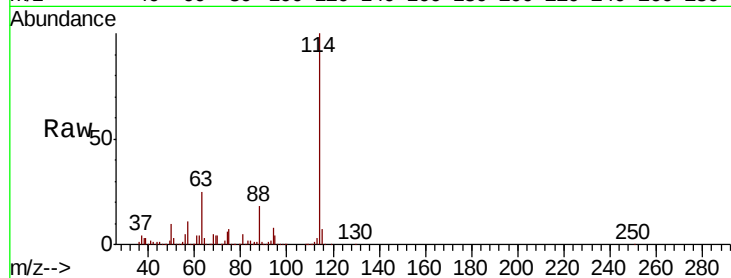
Tot Ion:114 Resp: 2780222

Ion Ratio Lower Upper

114 100

63 25.2 20.2 30.4

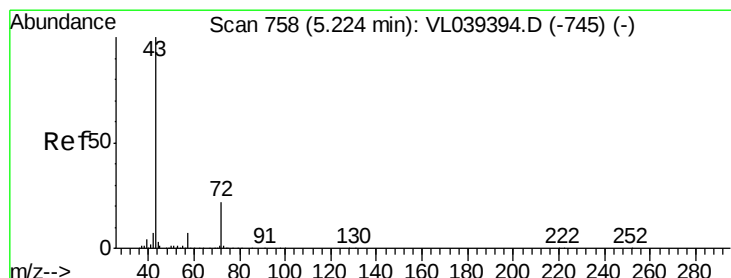
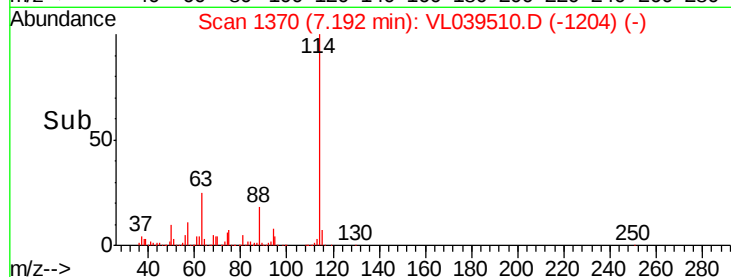
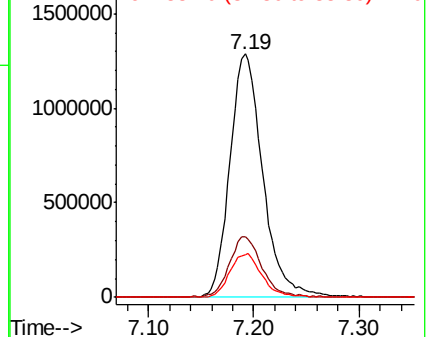
88 17.9 14.5 21.7



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 11.272 ppbv

RT: 5.26 min Scan# 768

Delta R.T. 0.03 min

Lab File: VL039510.D

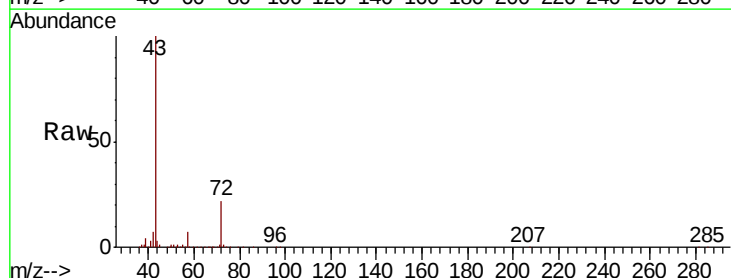
Acq: 20 Jul 2022 14:37

Tgt Ion: 43 Resp: 1577538

Ion Ratio Lower Upper

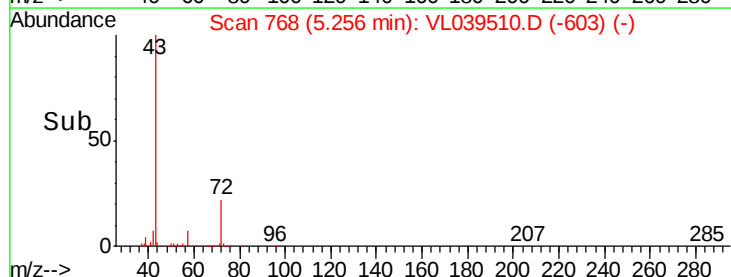
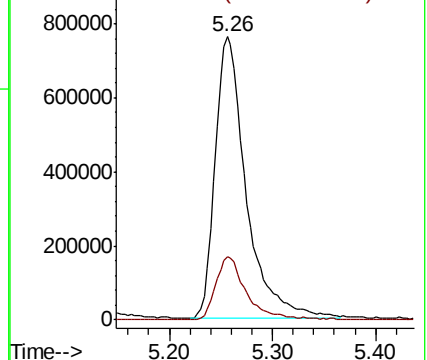
43 100

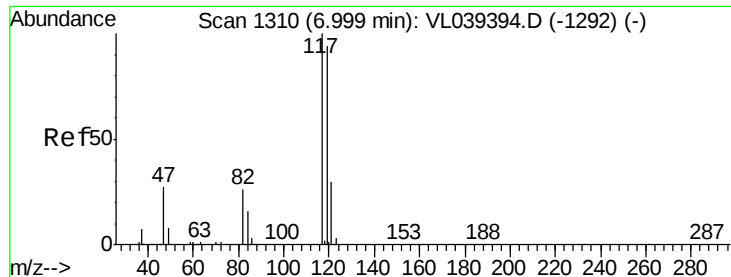
72 22.7 17.9 26.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 11.446 ppbv

RT: 7.03 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Jul 2022 14:37 VSTDCCC010

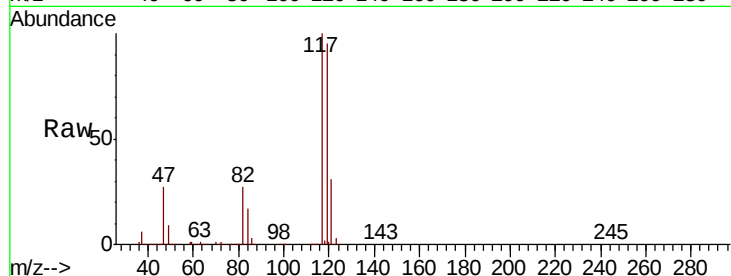
Tot Ion:117 Resp: 1966369

Ion Ratio Lower Upper

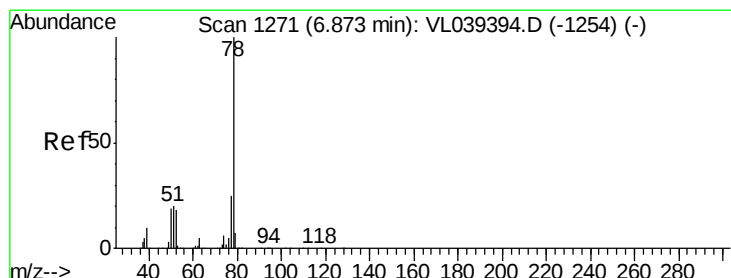
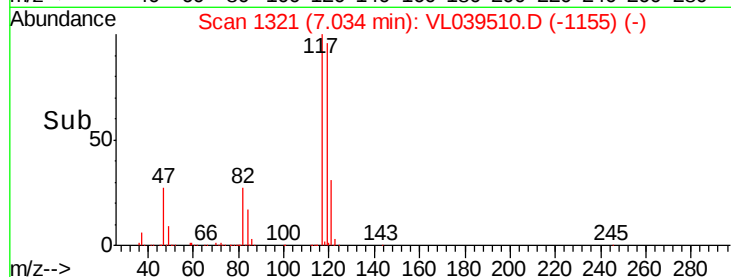
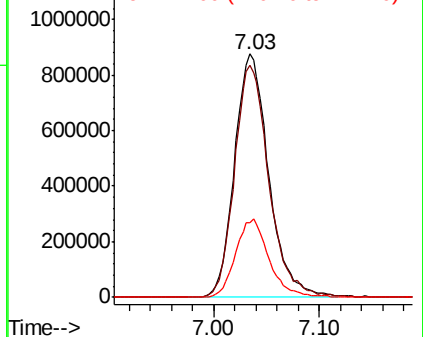
117 100

119 95.4 75.4 113.2

121 30.8 24.2 36.2



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.962 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.04 min

Lab File: VL039510.D

Acq: 20 Jul 2022 14:37

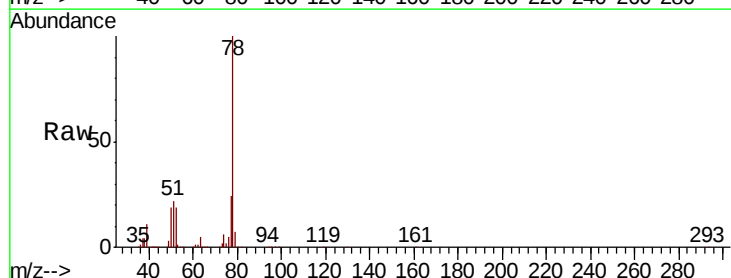
Tgt Ion: 78 Resp: 2358692

Ion Ratio Lower Upper

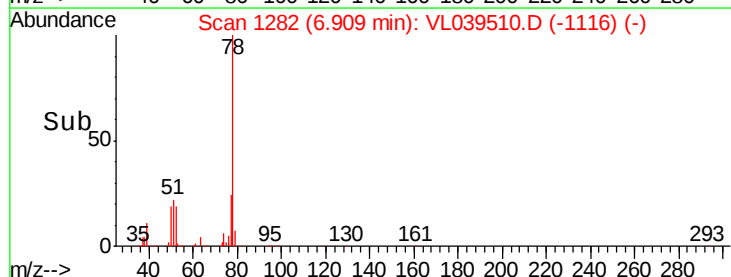
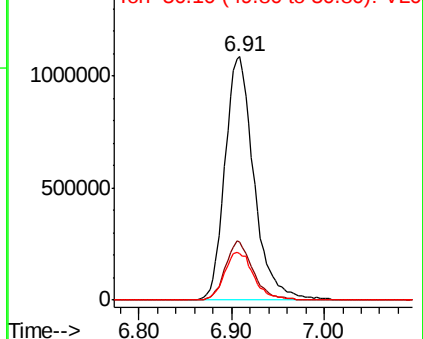
78 100

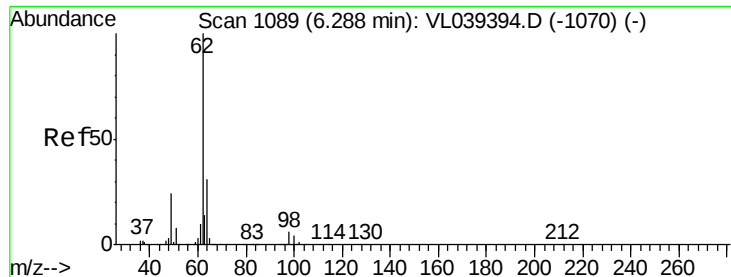
77 23.6 20.3 30.5

50 19.2 15.5 23.3



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.996 ppbv

RT: 6.32 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

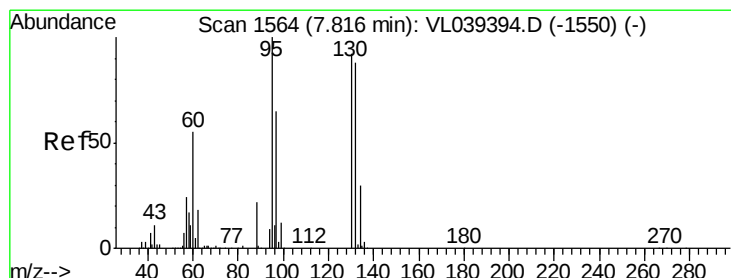
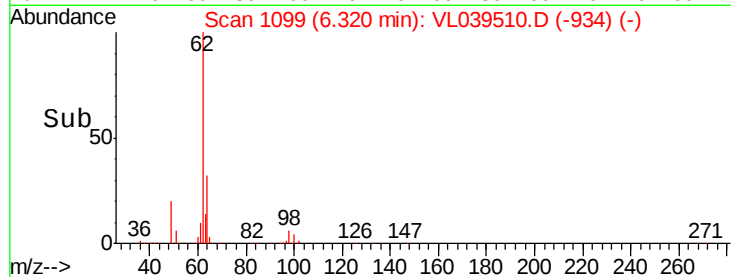
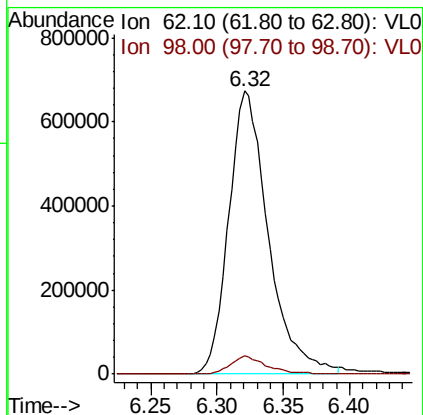
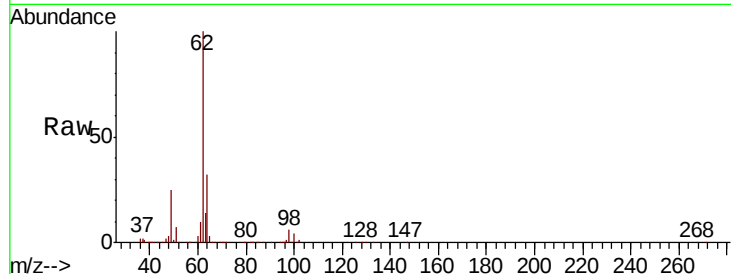
Acq: 20 Jul 2022 14:37

Tot Ion: 62 Resp: 1396568

Ion Ratio Lower Upper

62 100

98 6.1 5.1 7.7



#38

Trichloroethene

Concen: 10.971 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.04 min

Lab File: VL039510.D

Acq: 20 Jul 2022 14:37

Tgt Ion:130 Resp: 1276763

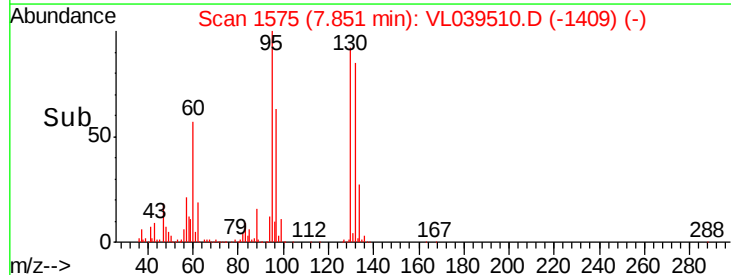
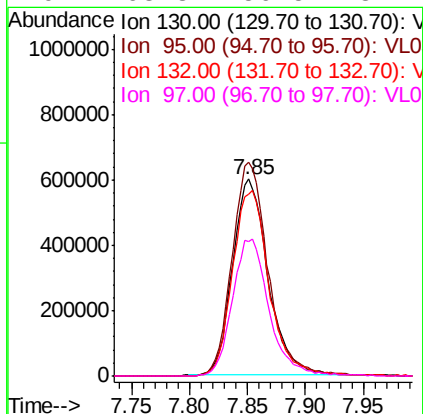
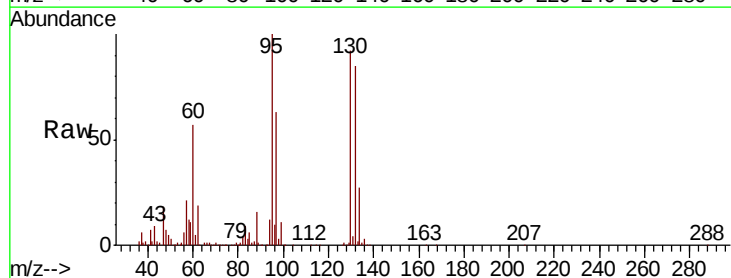
Ion Ratio Lower Upper

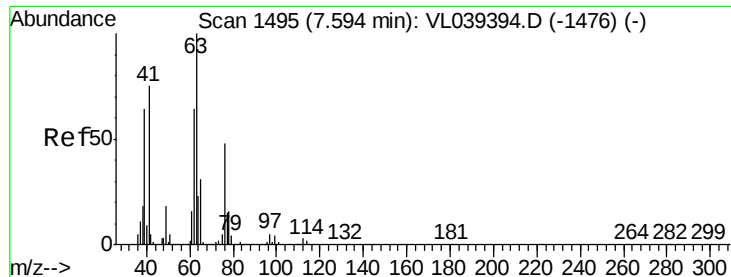
130 100

95 108.7 87.3 130.9

132 92.4 76.7 115.1

97 68.3 56.5 84.7





#39

1,2-Dichloropropane

Concen: 10.625 ppbv

RT: 7.63 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 20 Jul 2022 14:37

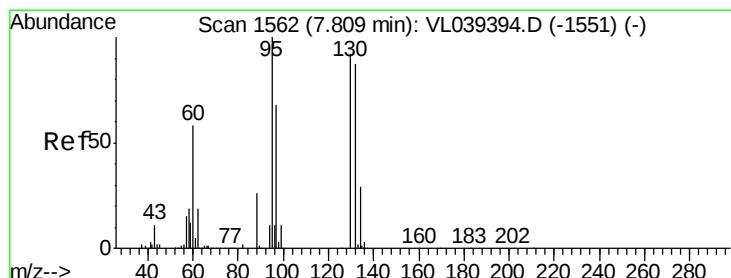
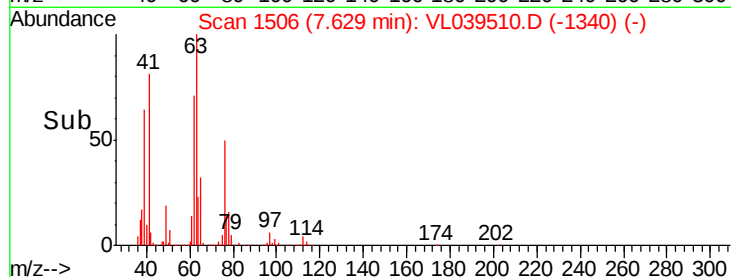
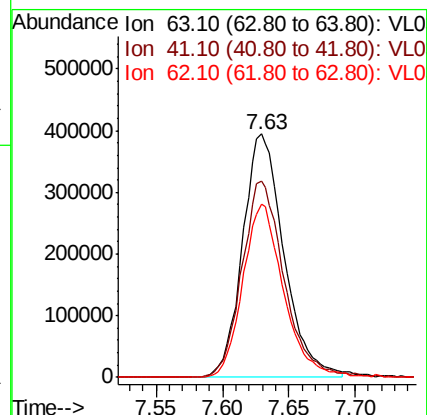
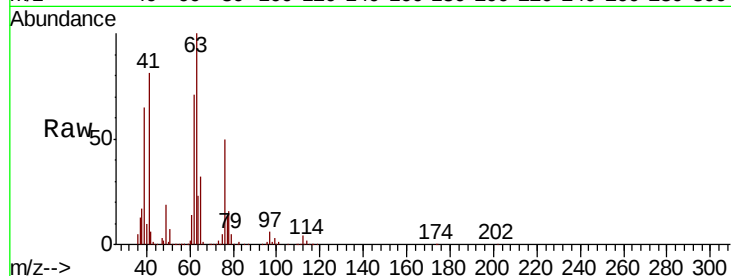
Tot Ion: 63 Resp: 854111

Ion Ratio Lower Upper

63 100

41 80.7 59.6 89.4

62 71.0 51.4 77.0



#40

1,4-Dioxane

Concen: 7.668 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.04 min

Lab File: VL039510.D

Acq: 20 Jul 2022 14:37

Tgt Ion: 88 Resp: 245628

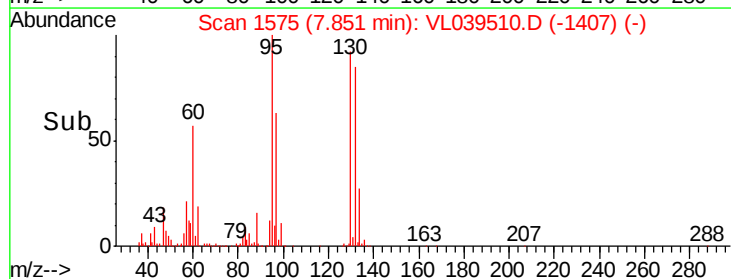
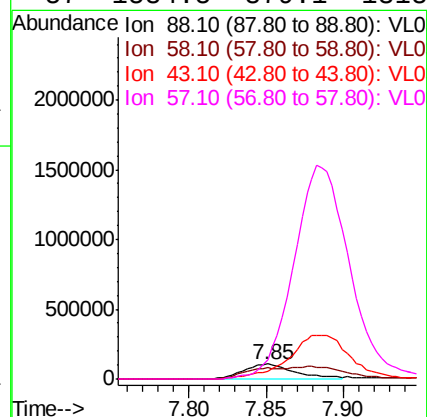
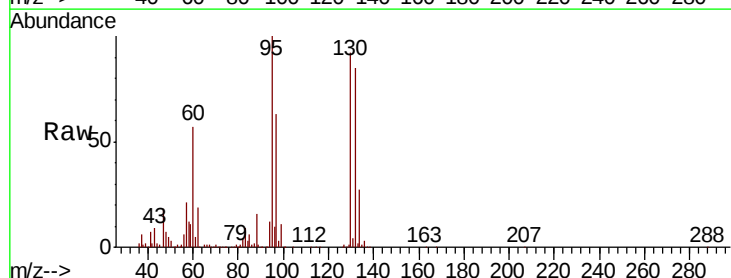
Ion Ratio Lower Upper

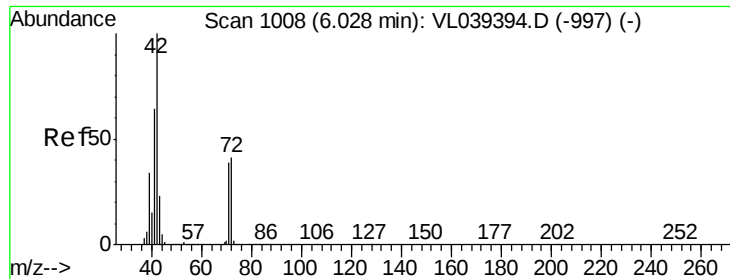
88 100

58 154.8 100.2 150.4#

43 358.6 205.8 308.6#

57 1584.5 879.1 1318.7#





#41

Tetrahydrofuran

Concen: 11.391 ppbv

RT: 6.06 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 20 Jul 2022 14:37

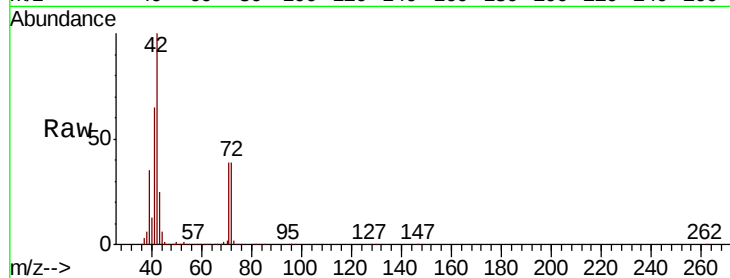
Tot Ion: 42 Resp: 923818

Ion Ratio Lower Upper

42 100

72 39.1 31.8 47.8

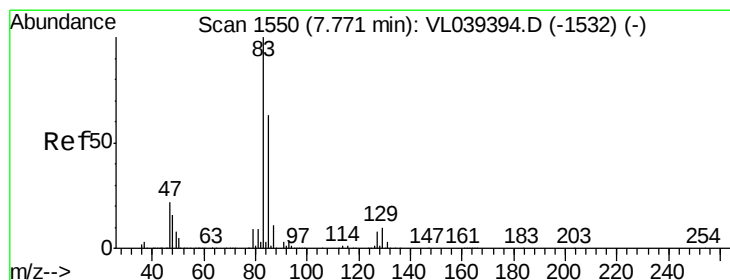
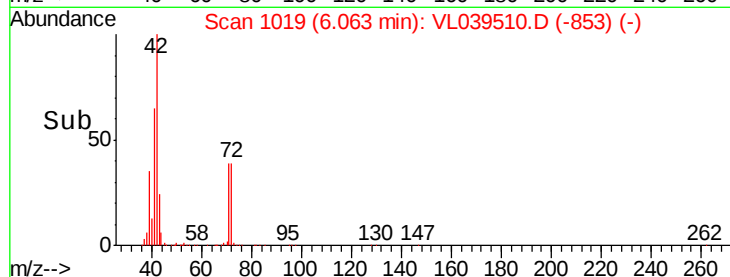
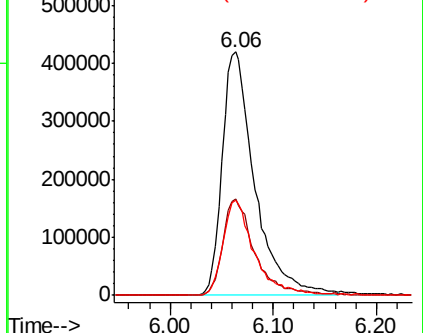
71 37.8 31.8 47.8



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 11.418 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. 0.04 min

Lab File: VL039510.D

Acq: 20 Jul 2022 14:37

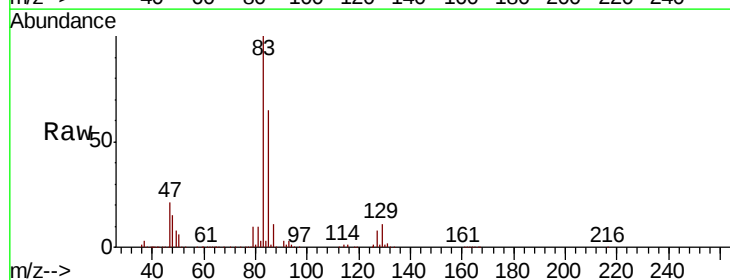
Tgt Ion: 83 Resp: 1955313

Ion Ratio Lower Upper

83 100

85 64.5 50.7 76.1

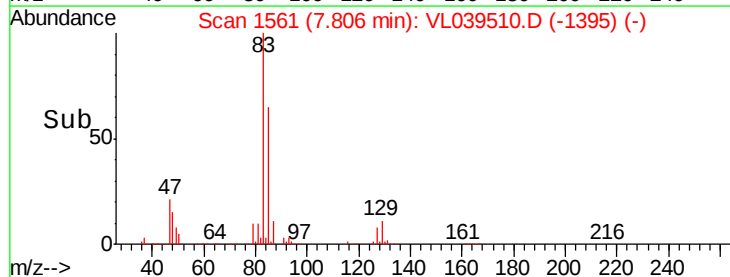
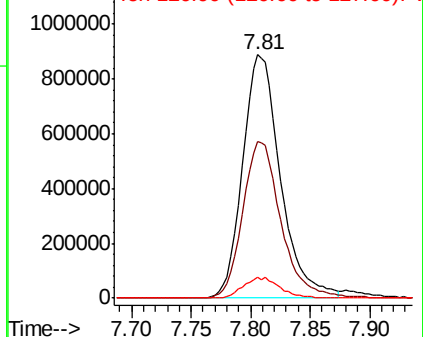
127 8.4 6.6 9.8

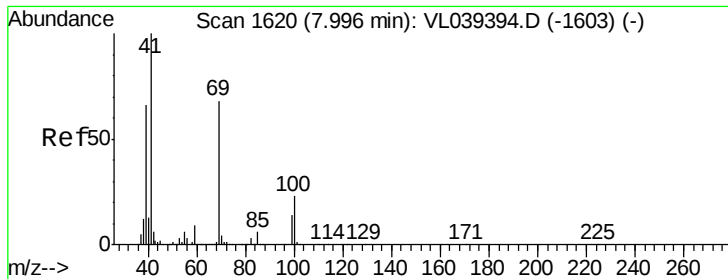


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 11.716 ppbv

RT: 8.03 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 20 Jul 2022 14:37

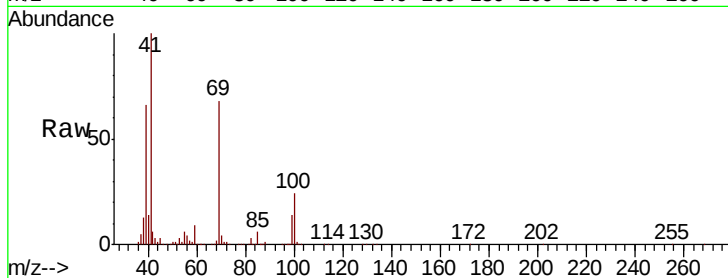
Tot Ion: 69 Resp: 958558

Ion Ratio Lower Upper

69 100

41 150.5 120.8 181.2

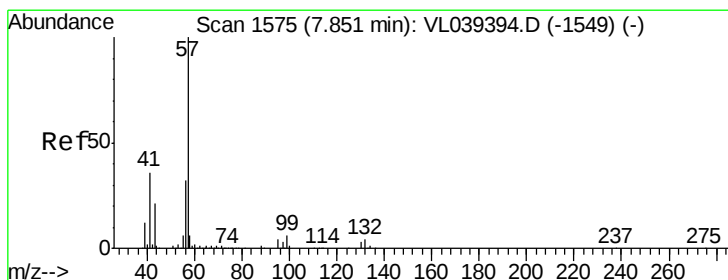
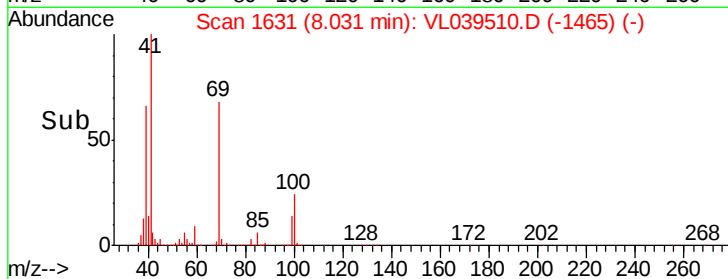
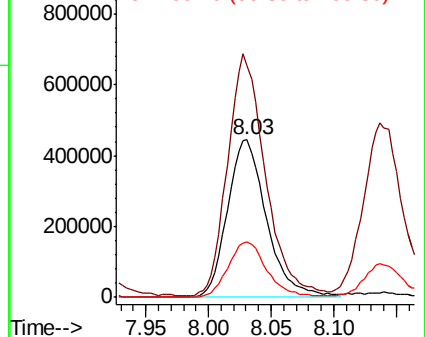
100 35.1 27.8 41.6



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 10.657 ppbv

RT: 7.88 min Scan# 1585

Delta R.T. 0.03 min

Lab File: VL039510.D

Acq: 20 Jul 2022 14:37

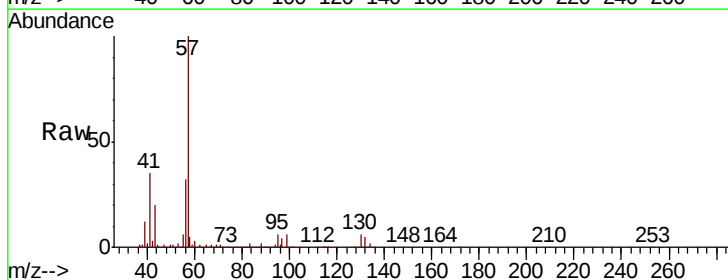
Tgt Ion: 57 Resp: 3885840

Ion Ratio Lower Upper

57 100

41 34.9 27.4 41.2

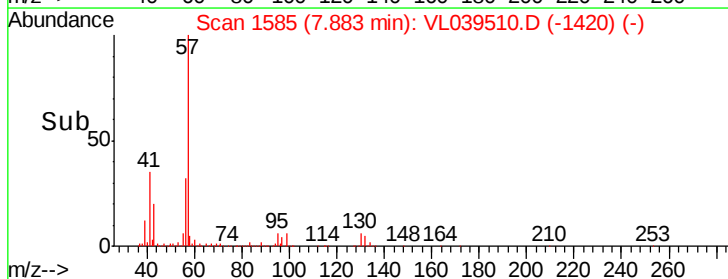
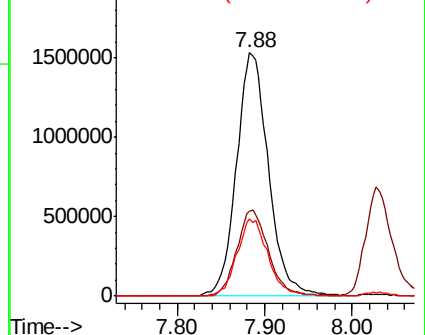
56 30.8 24.5 36.7

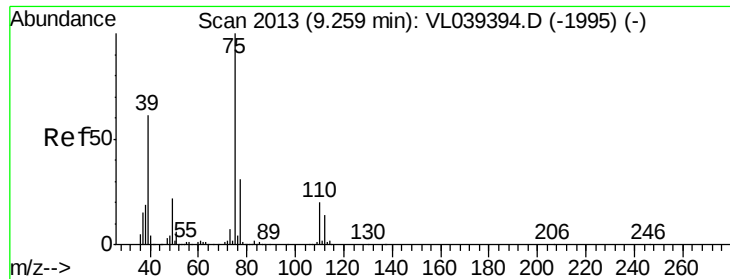


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 12.851 ppbv

RT: 9.29 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VSTDCCC010

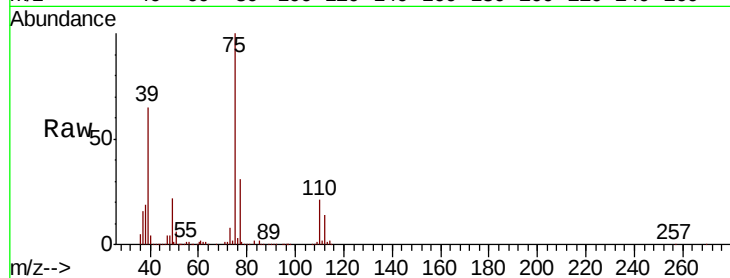
Acq: 20 Jul 2022 14:37

Tot Ion: 75 Resp: 936173

Ion Ratio Lower Upper

75 100

77 31.4 24.6 36.8



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.29

500000

400000

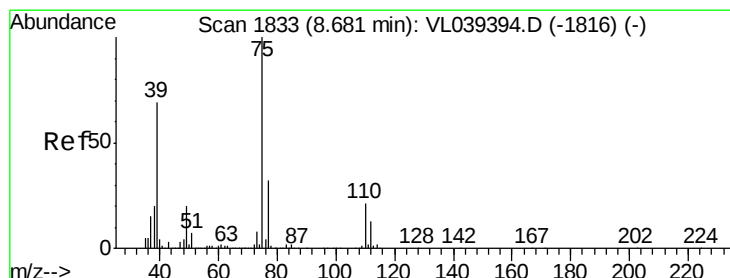
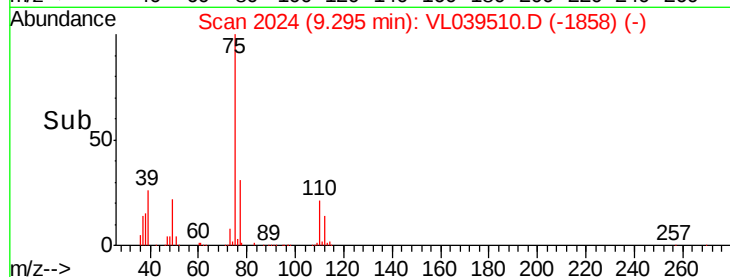
300000

200000

100000

0

Time--> 9.20 9.25 9.30 9.35



#46

cis-1,3-Dichloropropene

Concen: 12.485 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. 0.04 min

Lab File: VL039510.D

Acq: 20 Jul 2022 14:37

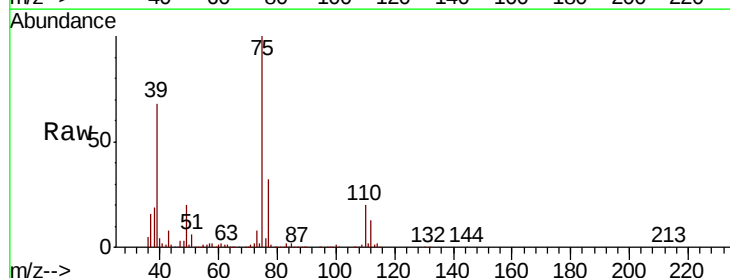
Tgt Ion: 75 Resp: 1251827

Ion Ratio Lower Upper

75 100

39 67.5 55.0 82.4

77 32.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

800000

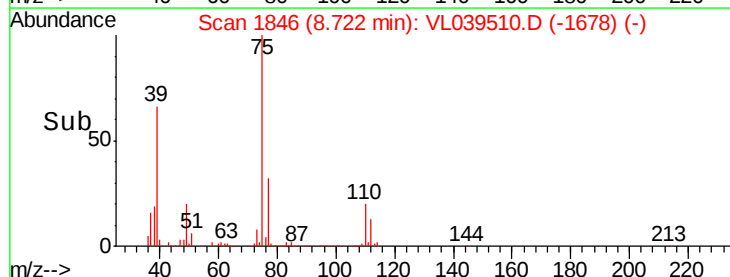
600000

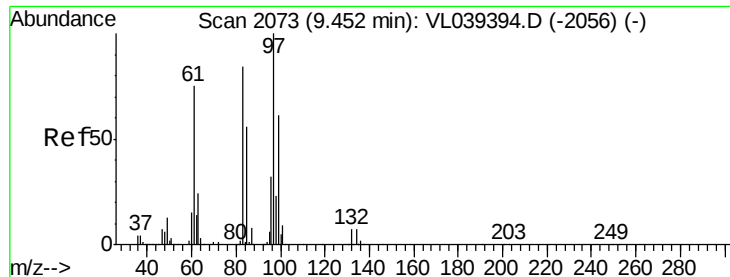
400000

200000

0

Time--> 8.65 8.70 8.75 8.80





#47

1,1,2-Trichloroethane

Concen: 10.844 ppbv

RT: 9.49 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Jul 2022 14:37 VSTDCCC010

Tot Ion: 97 Resp: 978071

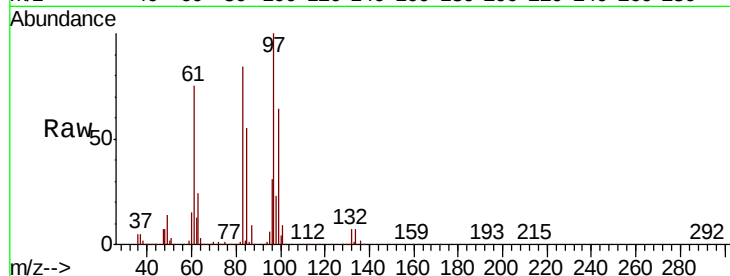
Ion Ratio Lower Upper

97 100

83 83.8 67.4 101.0

85 54.9 45.1 67.7

99 63.4 48.6 73.0

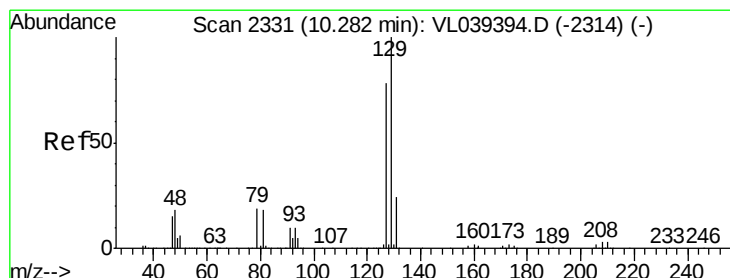
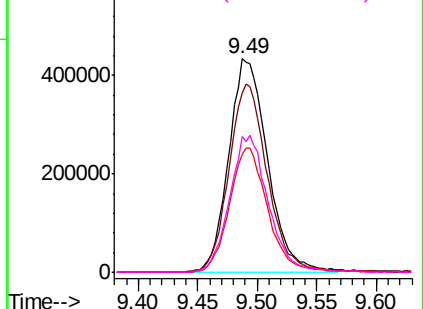
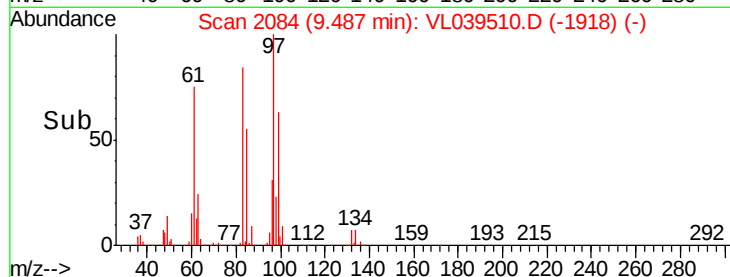


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 12.058 ppbv

RT: 10.32 min Scan# 2343

Delta R.T. 0.04 min

Lab File: VL039510.D

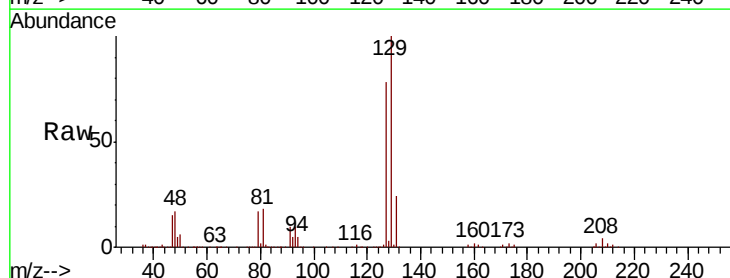
Acq: 20 Jul 2022 14:37

Tgt Ion: 129 Resp: 1728557

Ion Ratio Lower Upper

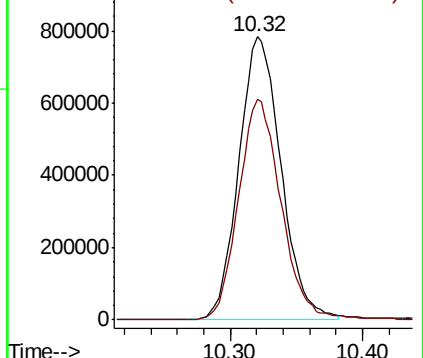
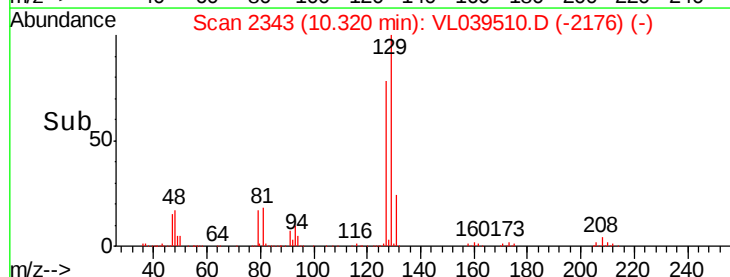
129 100

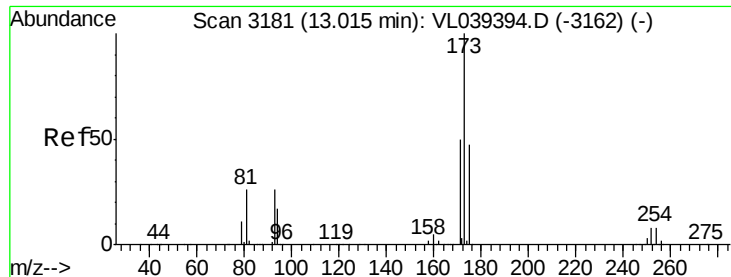
127 79.3 39.3 117.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.437 ppbv

RT: 13.06

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDCCC010

Acq: 20 Jul 2022 14:37

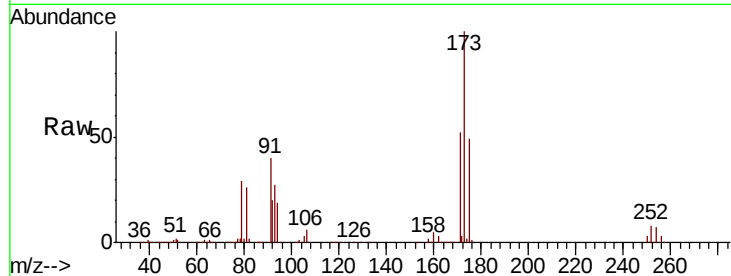
Tot Ion:173 Resp: 1438328

Ion Ratio Lower Upper

173 100

175 51.1 40.3 60.5

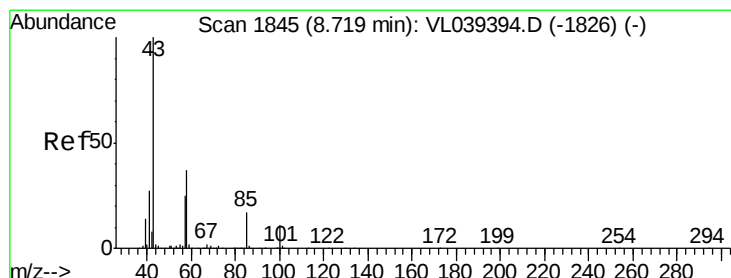
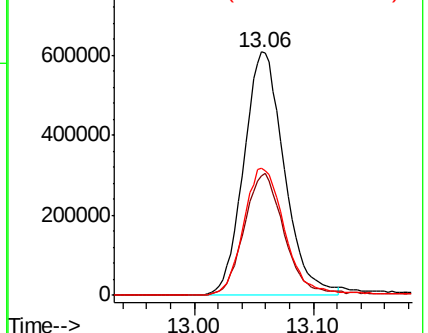
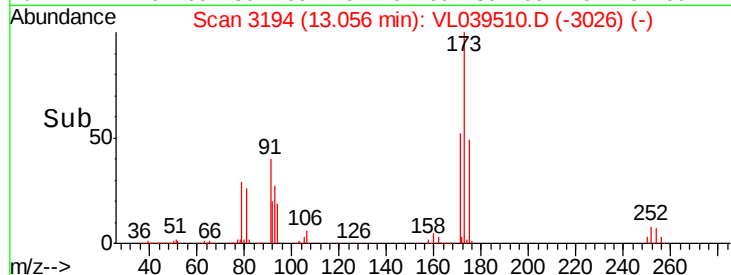
171 53.5 42.9 64.3



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 11.571 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.04 min

Lab File: VL039510.D

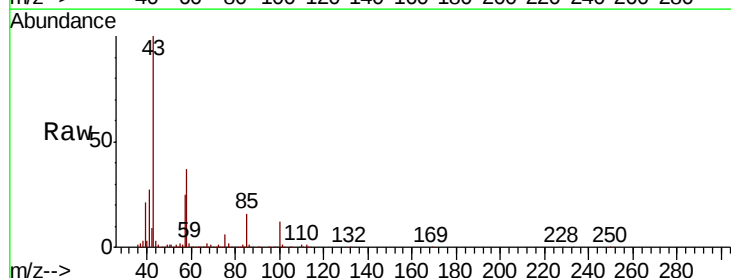
Acq: 20 Jul 2022 14:37

Tgt Ion: 43 Resp: 2448656

Ion Ratio Lower Upper

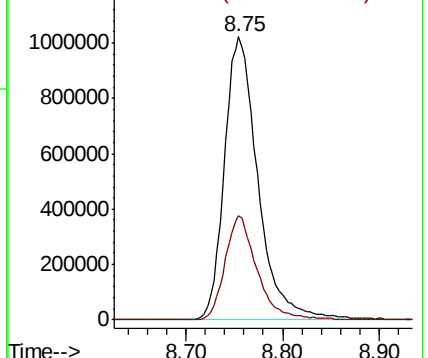
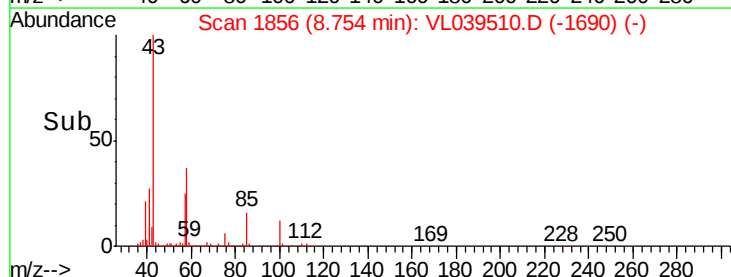
43 100

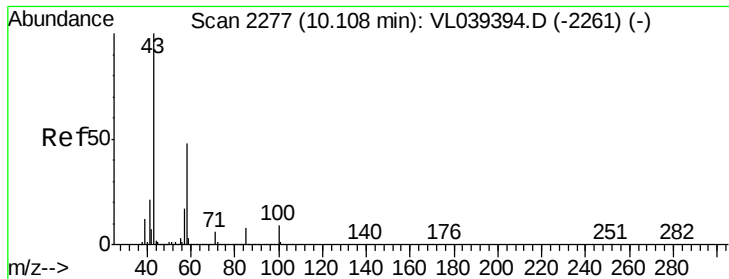
58 35.6 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

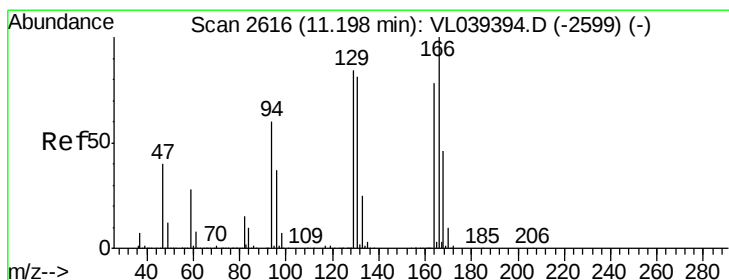
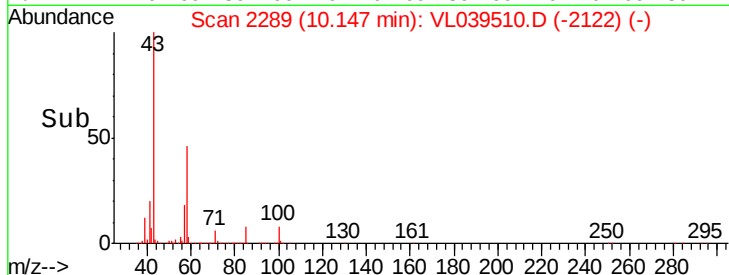
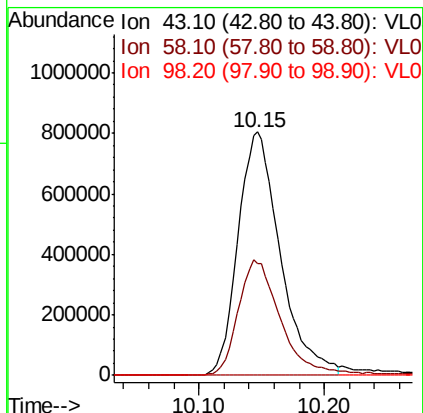
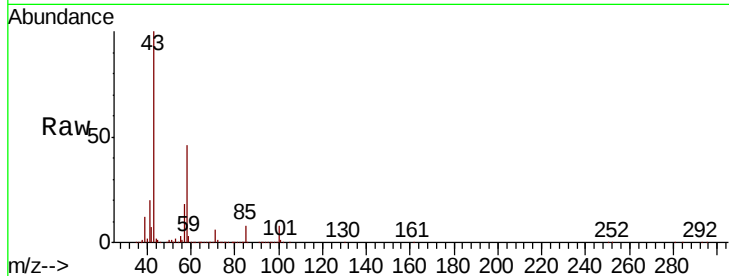
Ion 58.10 (57.80 to 58.80): VL0





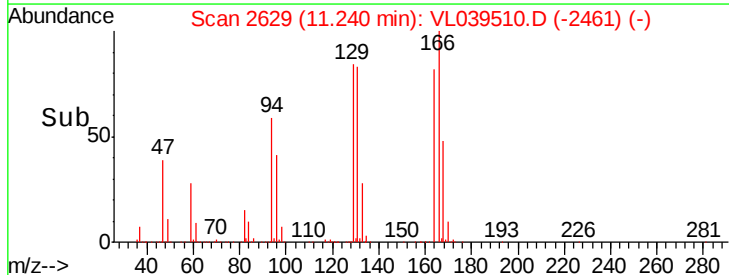
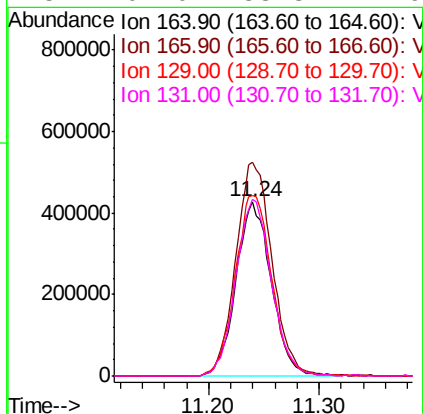
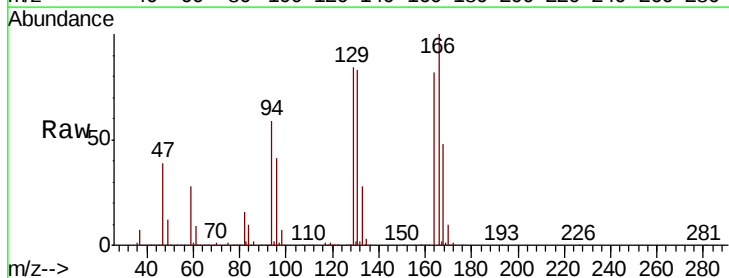
#51
2-Hexanone
Concen: 11.777 ppbv
RT: 10.15
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 20 Jul 2022 14:37

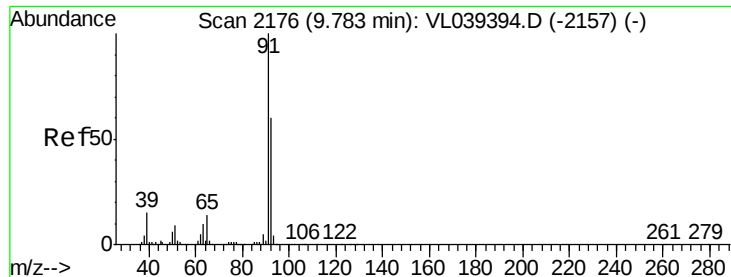
Tot Ion: 43 Resp: 1885094
Ion Ratio Lower Upper
43 100
58 48.2 38.4 57.6
98 0.3 0.3 0.5



#52
Tetrachloroethene
Concen: 10.860 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. 0.04 min
Lab File: VL039510.D
Acq: 20 Jul 2022 14:37

Tgt Ion:164 Resp: 940706
Ion Ratio Lower Upper
164 100
166 122.3 102.2 153.2
129 103.0 85.8 128.8
131 101.0 83.3 124.9





#53

Toluene

Concen: 11.471 ppbv

RT: 9.82 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

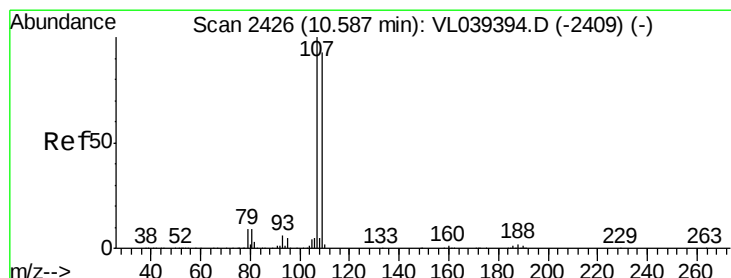
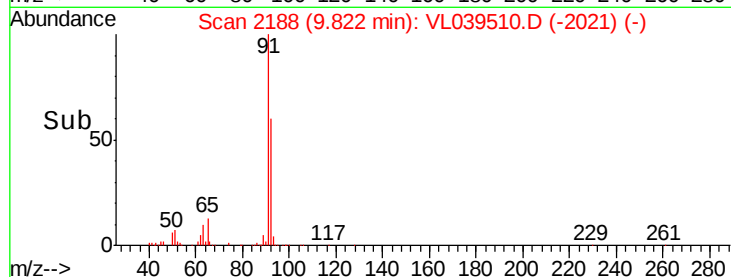
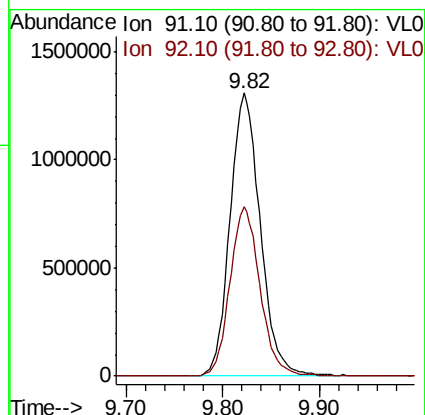
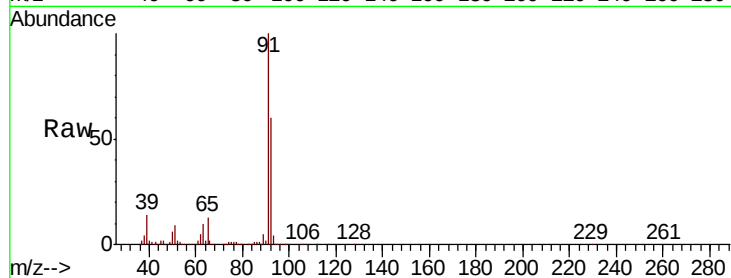
Acq: 20 Jul 2022 14:37 VSTDCCC010

Tot Ion: 91 Resp: 2847064

Ion Ratio Lower Upper

91 100

92 59.6 48.2 72.2



#54

1,2-Dibromoethane

Concen: 11.415 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. 0.04 min

Lab File: VL039510.D

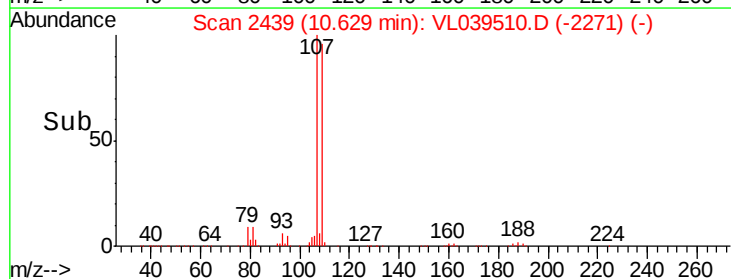
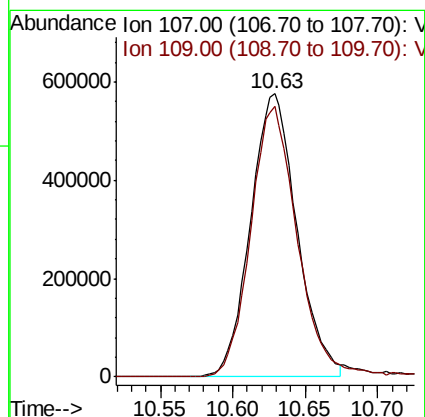
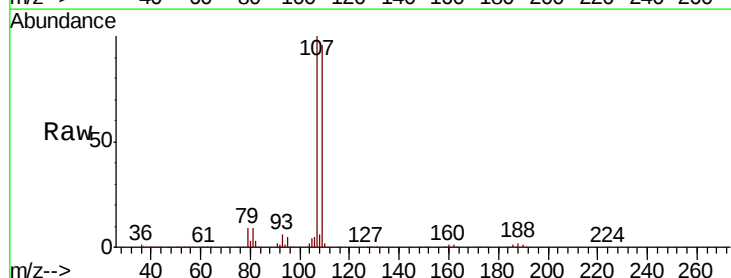
Acq: 20 Jul 2022 14:37

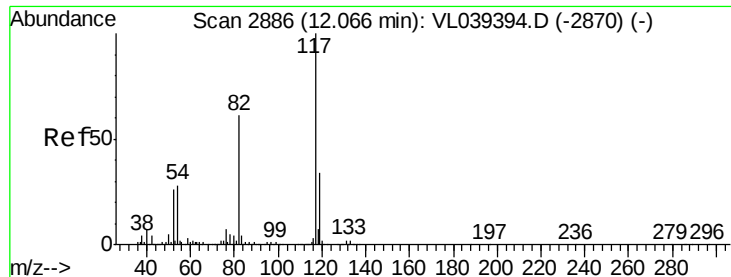
Tgt Ion: 107 Resp: 1281121

Ion Ratio Lower Upper

107 100

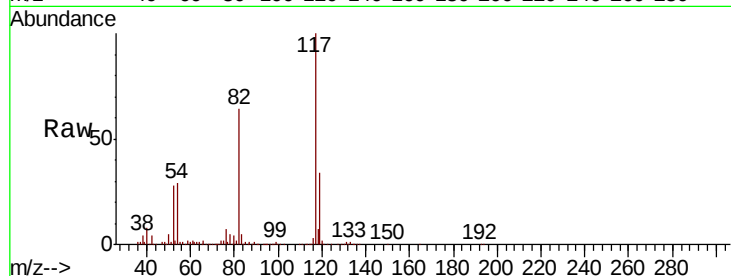
109 95.7 74.8 112.2



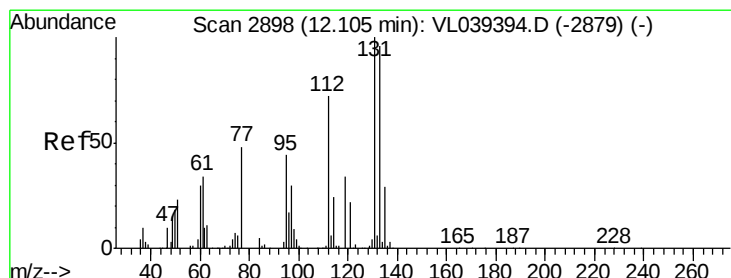
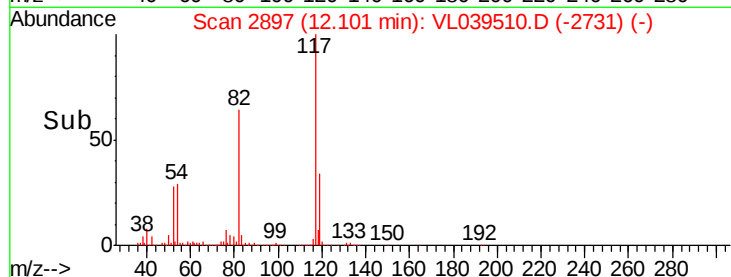
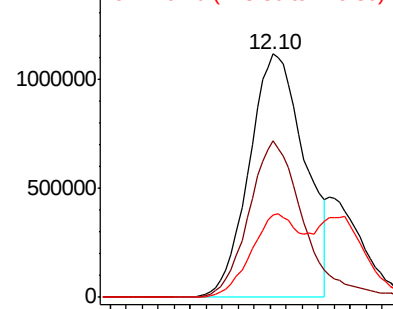


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 20 Jul 2022 14:37

Tot Ion:117 Resp: 2681895
Ion Ratio Lower Upper
117 100
82 63.9 50.8 76.2
119 31.5 24.1 36.1

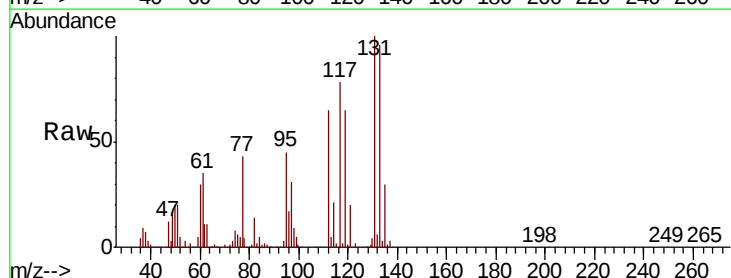


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

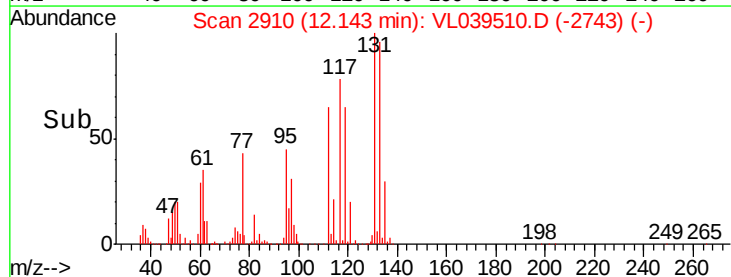
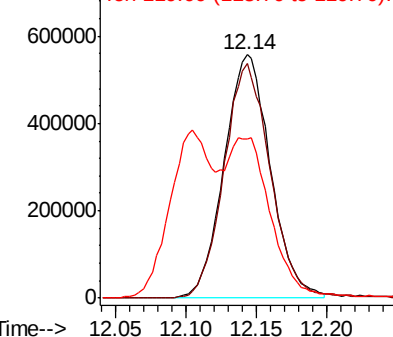


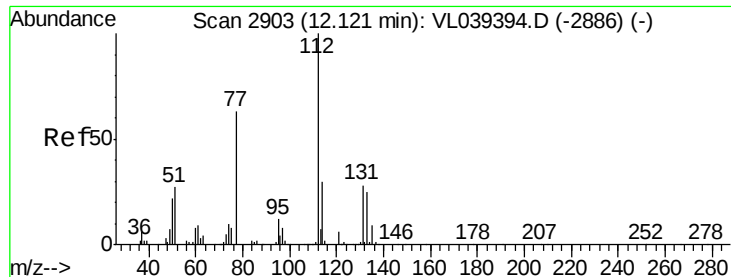
#56
1,1,1,2-Tetrachloroethane
Concen: 10.820 ppbv
RT: 12.14 min Scan# 2910
Delta R.T.: 0.04 min
Lab File: VL039510.D
Acq: 20 Jul 2022 14:37

Tgt Ion:131 Resp: 1281931
Ion Ratio Lower Upper
131 100
133 97.6 76.8 115.2
119 68.2 46.2 69.4



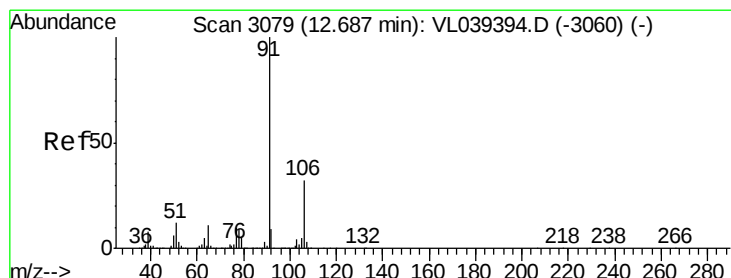
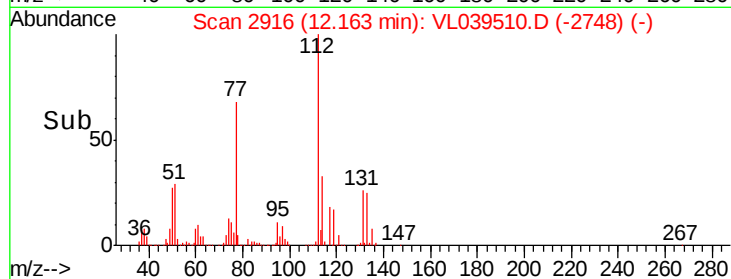
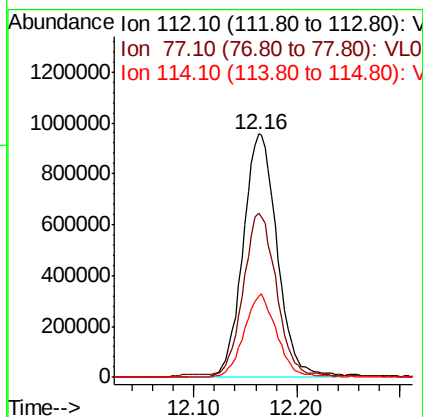
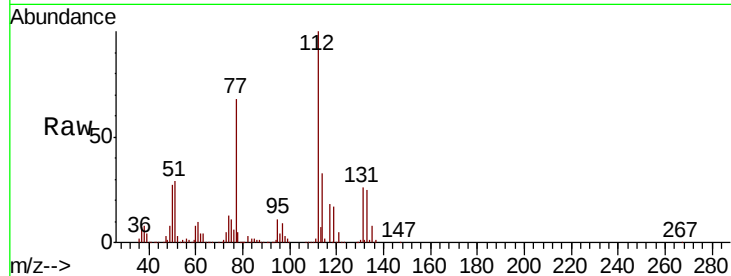
Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





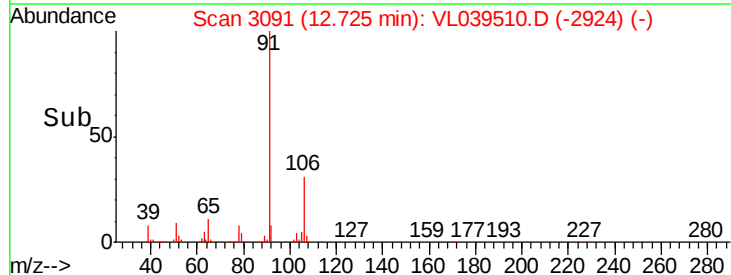
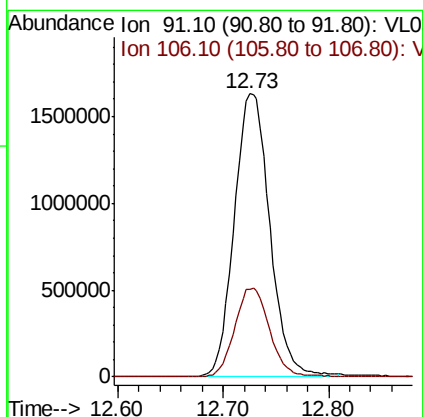
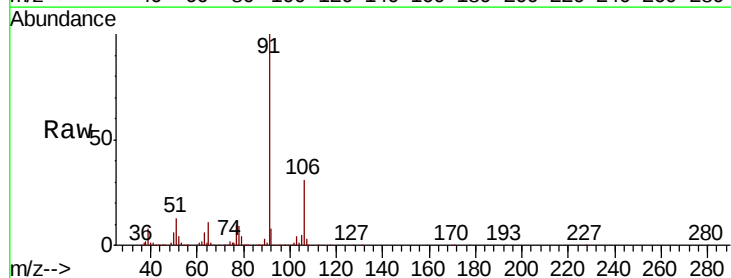
#57
Chlorobenzene
Concen: 10.565 ppbv
RT: 12.16 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VSTDCCC010
Acq: 20 Jul 2022 14:37

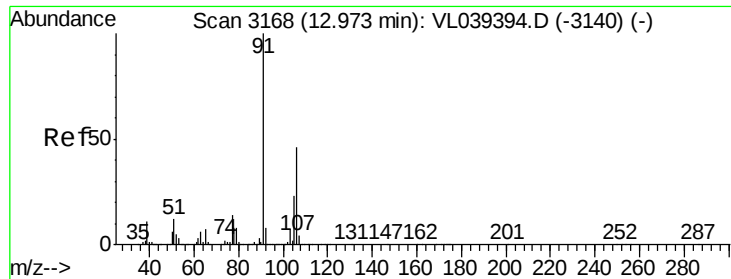
Tot Ion: 112 Resp: 2196720
Ion Ratio Lower Upper
112 100
77 66.6 51.0 76.4
114 33.0 27.5 33.6



#58
Ethyl Benzene
Concen: 11.042 ppbv
RT: 12.73 min Scan# 3091
Delta R.T.: 0.04 min
Lab File: VL039510.D
Acq: 20 Jul 2022 14:37

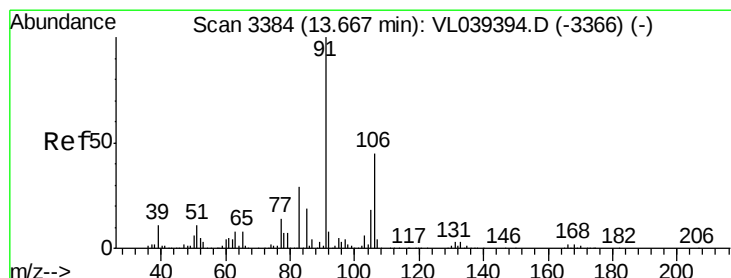
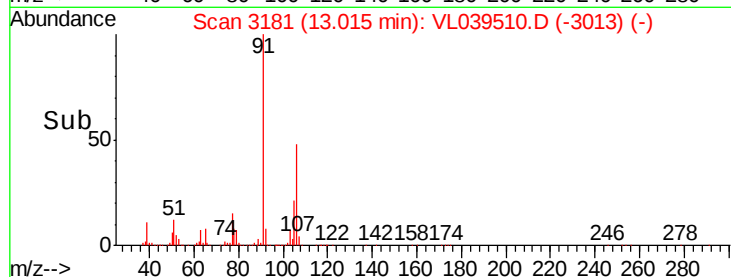
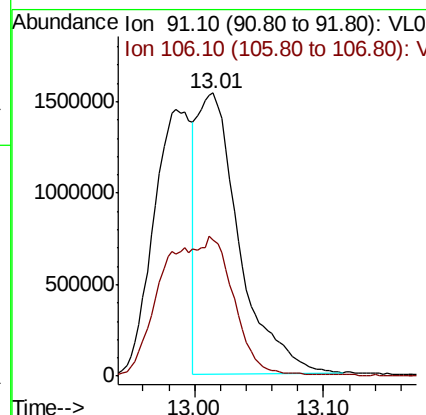
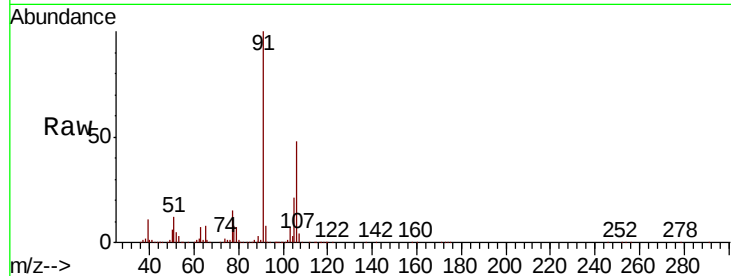
Tgt Ion: 91 Resp: 3823874
Ion Ratio Lower Upper
91 100
106 30.8 25.4 38.0





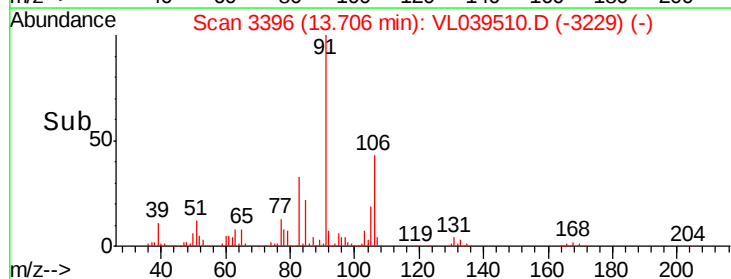
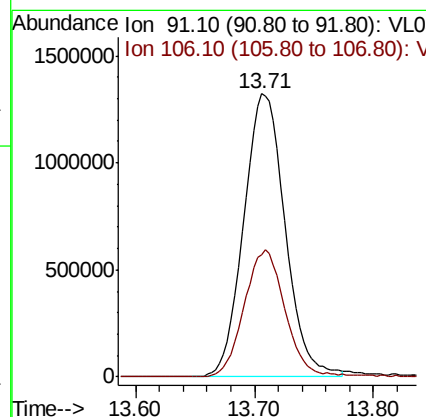
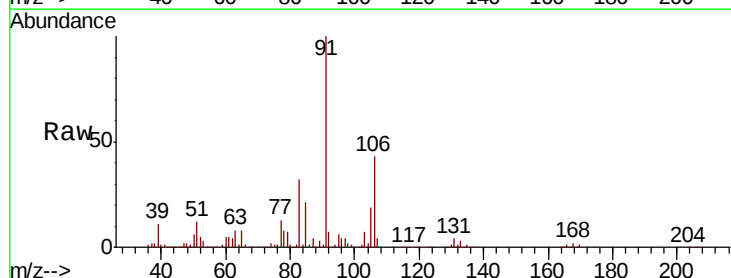
#59
m/p-Xylene
Concen: 11.338 ppbv
RT: 13.01 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 20 Jul 2022 14:37

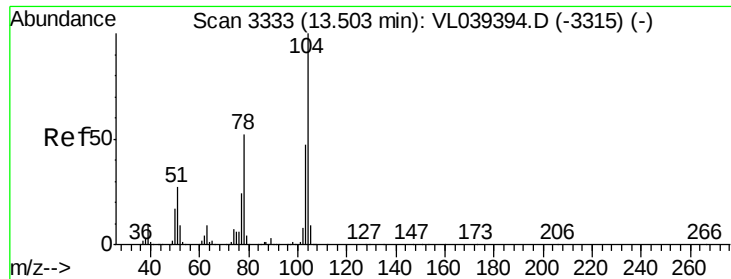
Tot Ion: 91 Resp: 3461549
Ion Ratio Lower Upper
91 100
106 85.6 35.4 53.2#



#60
o-Xylene
Concen: 11.032 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. 0.04 min
Lab File: VL039510.D
Acq: 20 Jul 2022 14:37

Tgt Ion: 91 Resp: 3189433
Ion Ratio Lower Upper
91 100
106 45.1 22.4 67.3





#61

Stvrene

Concen: 12.003 ppbv

RT: 13.54

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Jul 2022 14:37

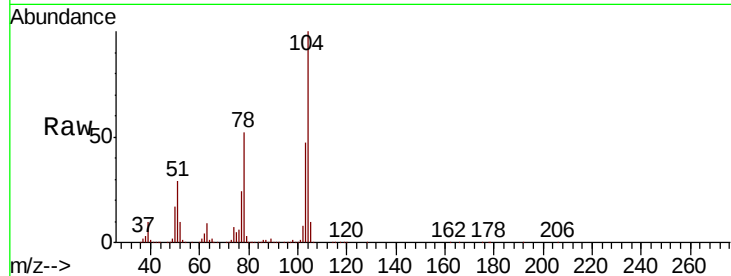
Tot Ion:104 Resp: 1879792

Ion Ratio Lower Upper

104 100

78 52.1 41.2 61.8

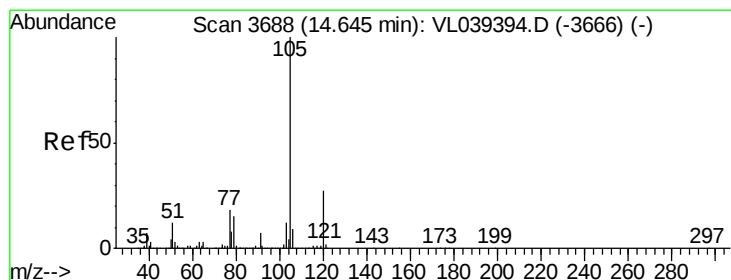
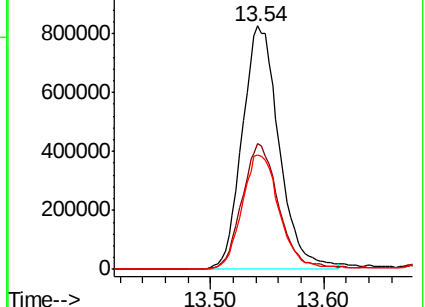
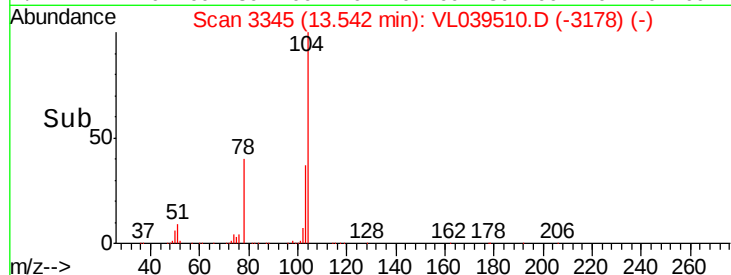
103 48.4 38.7 58.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.776 ppbv

RT: 14.68 min Scan# 3700

Delta R.T. 0.04 min

Lab File: VL039510.D

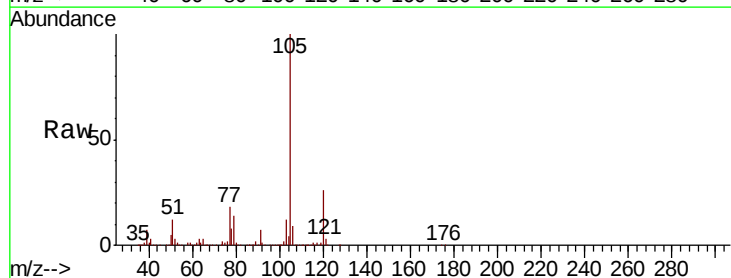
Acq: 20 Jul 2022 14:37

Tgt Ion:105 Resp: 4744305

Ion Ratio Lower Upper

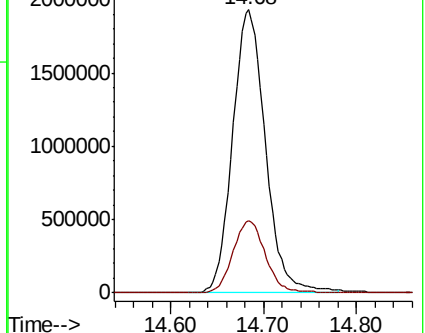
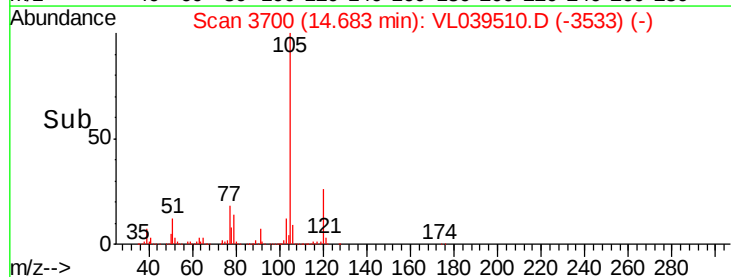
105 100

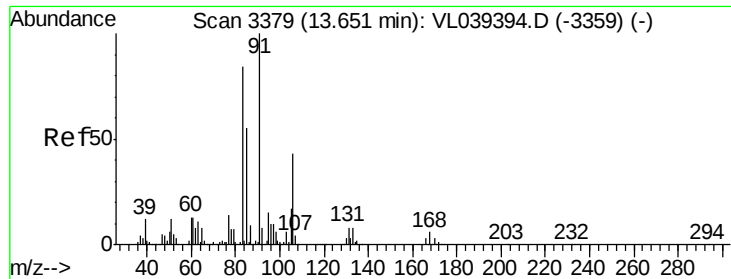
120 25.7 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 9.784 ppbv

RT: 13.69

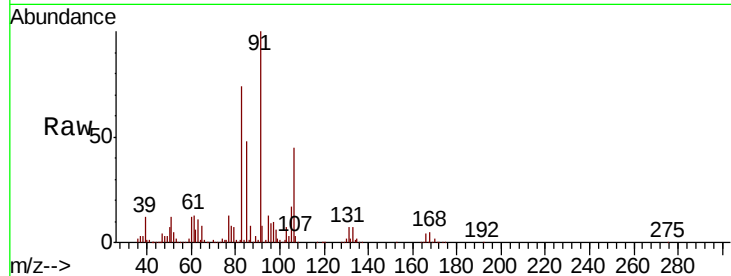
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

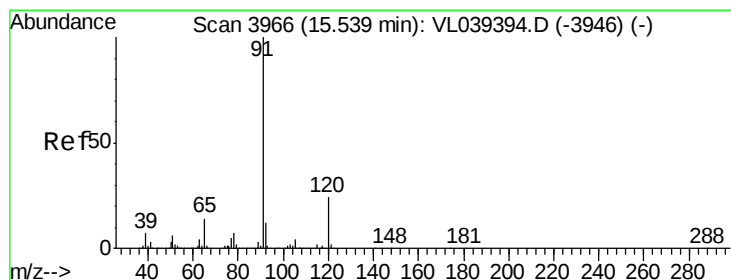
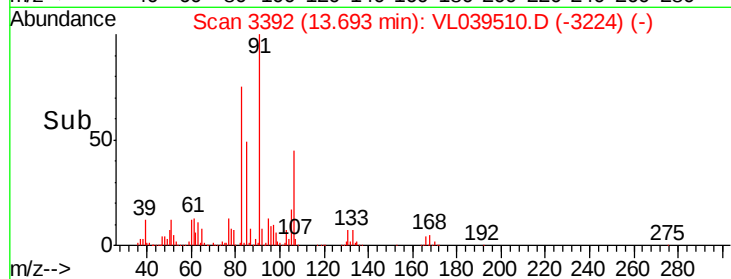
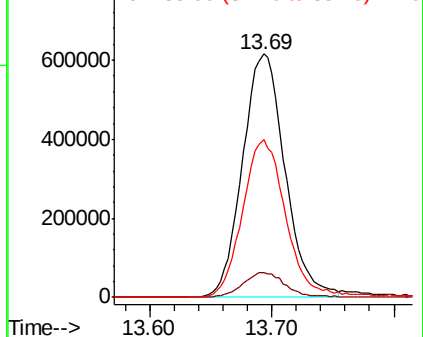
Acq: 20 Jul 2022 14:37

Tot Ion: 83 Resp: 1482587

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.3	15.8
85	67.4	33.1	99.5



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 11.017 ppbv

RT: 15.58 min Scan# 3978

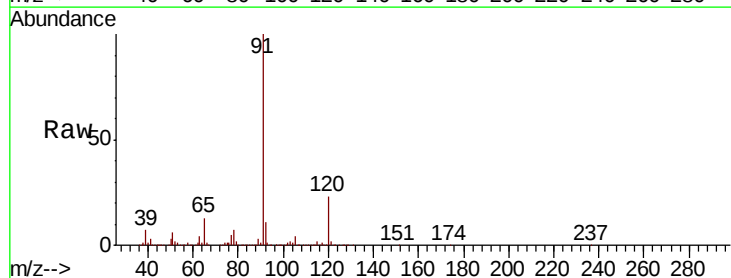
Delta R.T. 0.04 min

Lab File: VL039510.D

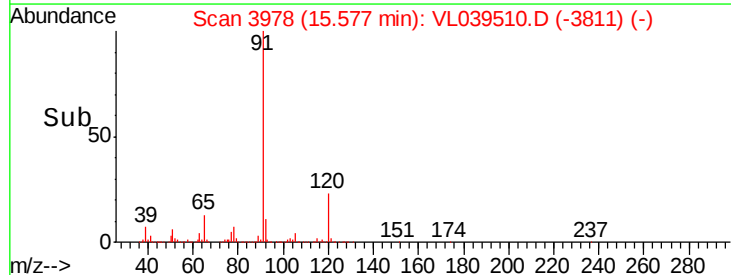
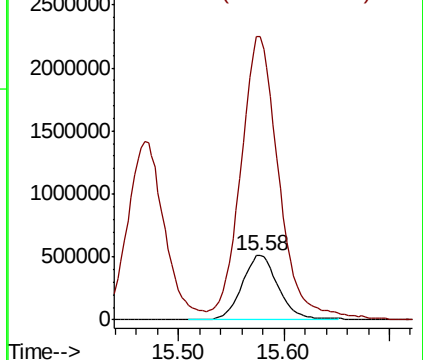
Acq: 20 Jul 2022 14:37

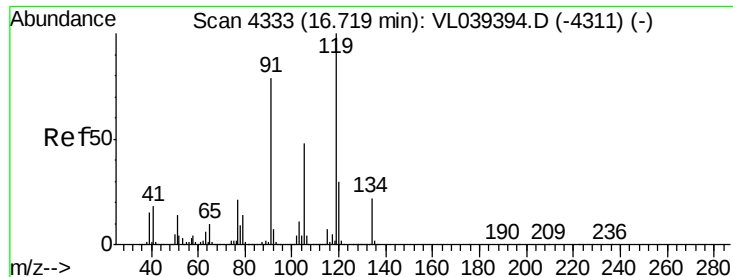
Tgt Ion:120 Resp: 1229326

Ion	Ratio	Lower	Upper
120	100		
91	462.3	367.2	550.8



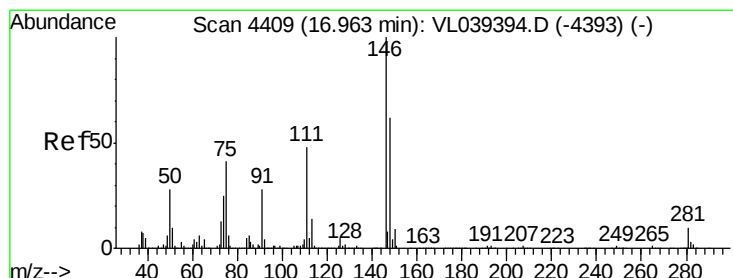
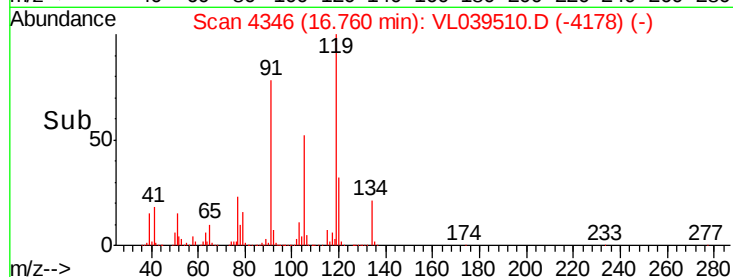
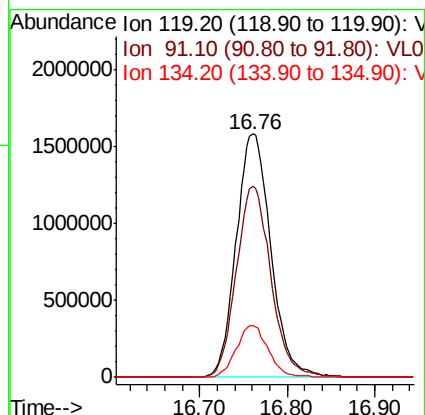
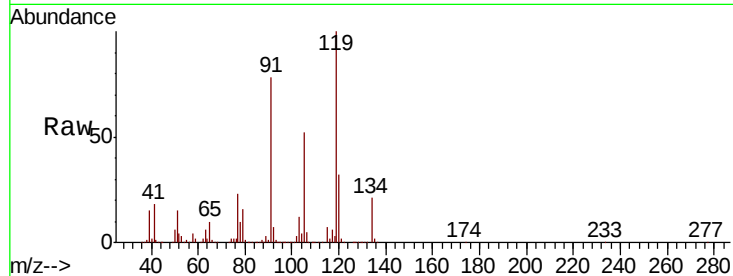
Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





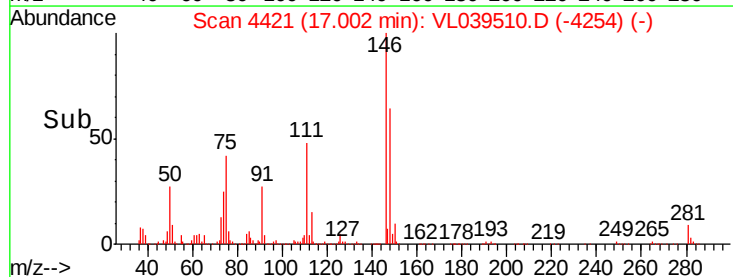
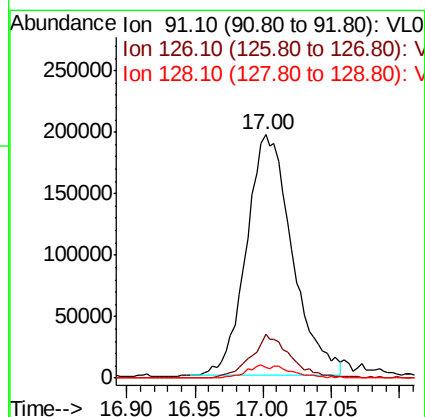
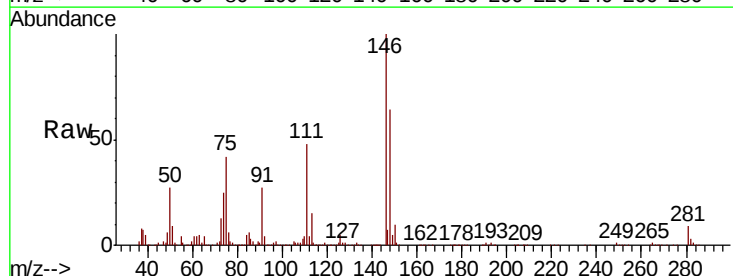
#65
tert-Butylbenzene
Concen: 10.704 ppbv
RT: 16.76 min
Delta R.T. 0.04 min
Lab File: VL039510.D
Acq: 20 Jul 2022 14:37

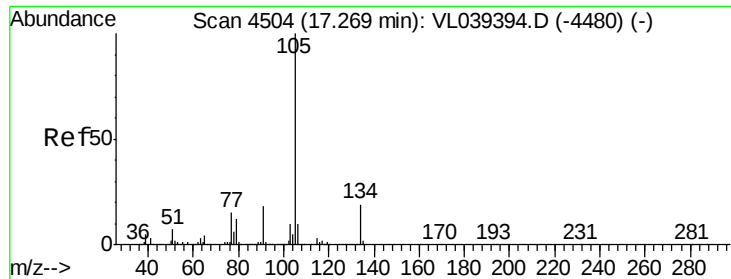
Tot Ion: 119 Resp: 4354553
Ion Ratio Lower Upper
119 100
91 78.5 63.4 95.2
134 19.8 15.9 23.9



#66
Benzyl Chloride
Concen: 11.860 ppbv
RT: 17.00 min Scan# 4421
Delta R.T. 0.04 min
Lab File: VL039510.D
Acq: 20 Jul 2022 14:37

Tgt Ion: 91 Resp: 458509
Ion Ratio Lower Upper
91 100
126 15.8 13.1 19.7
128 5.3 4.4 6.6





#67

sec-Butylbenzene

Concen: 10.788 ppbv

RT: 17.31 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

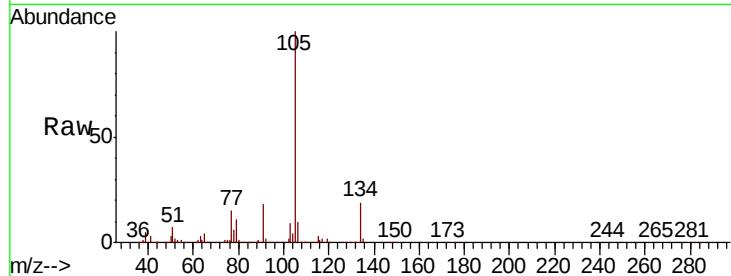
Acq: 20 Jul 2022 14:37

Tot Ion: 105 Resp: 5911507

Ion Ratio Lower Upper

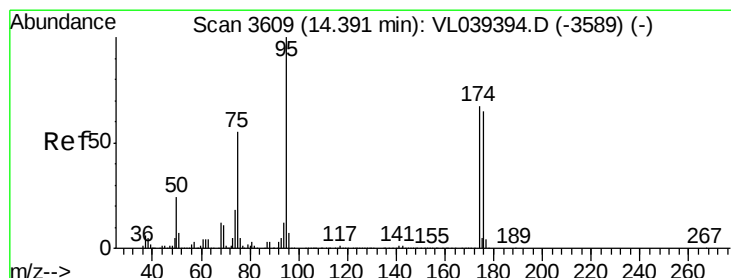
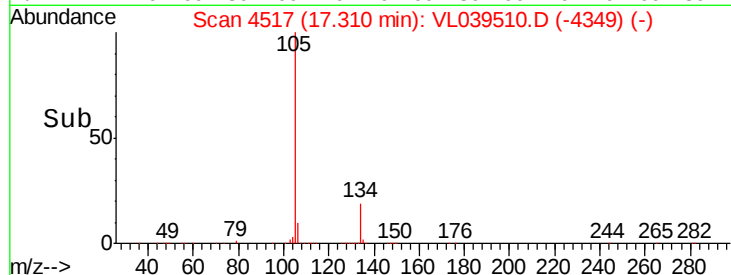
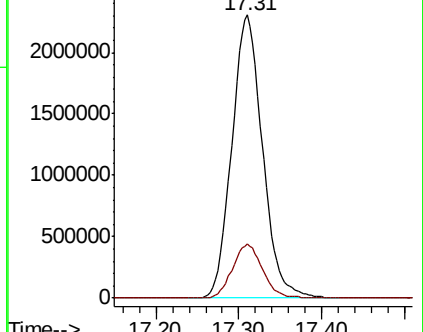
105 100

134 18.8 14.8 22.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.538 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. 0.04 min

Lab File: VL039510.D

Acq: 20 Jul 2022 14:37

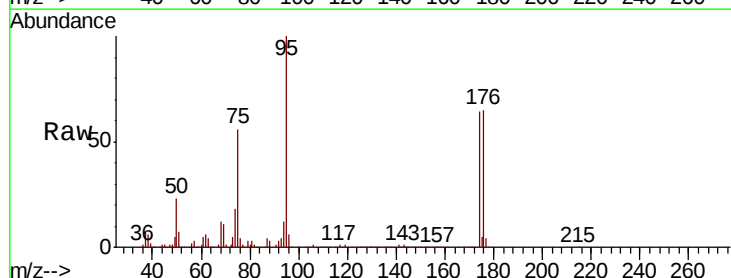
Tgt Ion: 95 Resp: 2096632

Ion Ratio Lower Upper

95 100

174 69.5 55.9 83.9

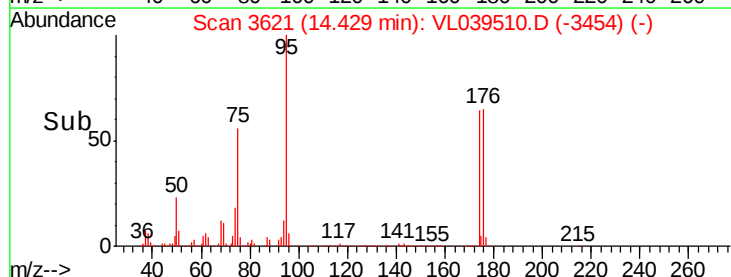
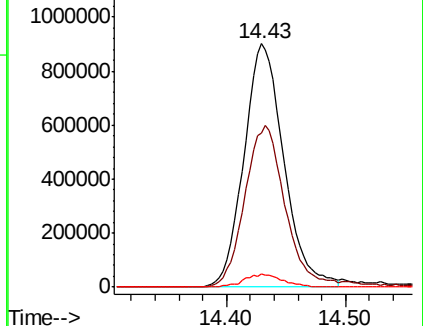
175 5.3 4.2 6.4

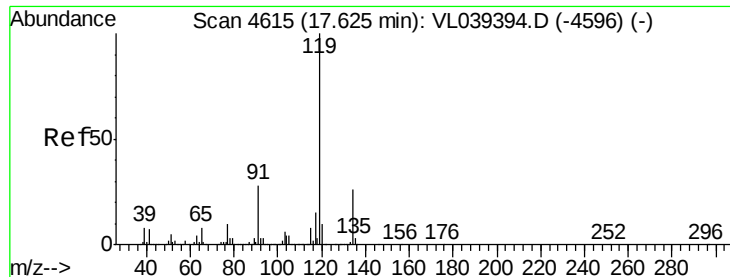


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

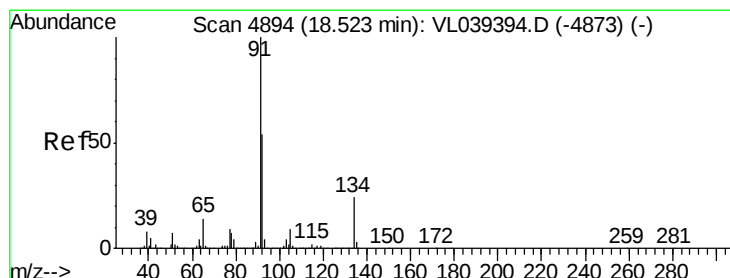
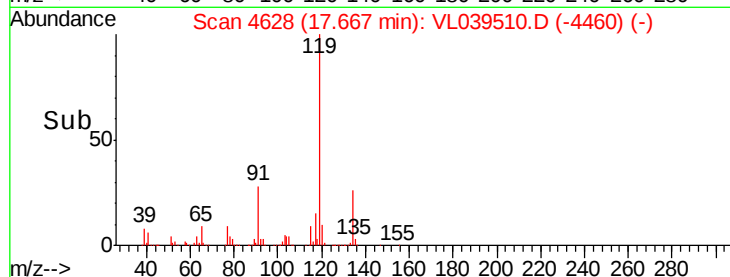
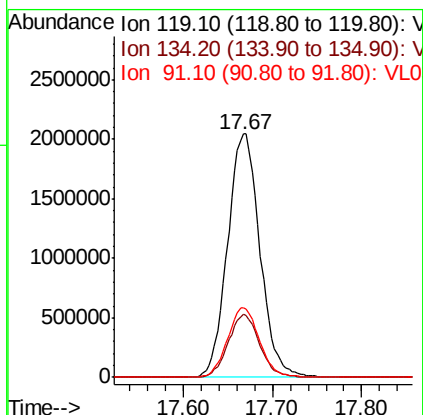
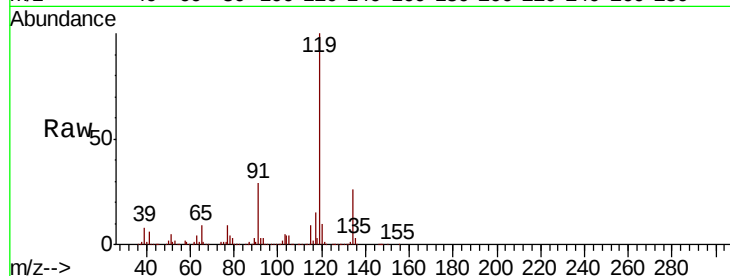
Ion 175.00 (174.70 to 175.70): V





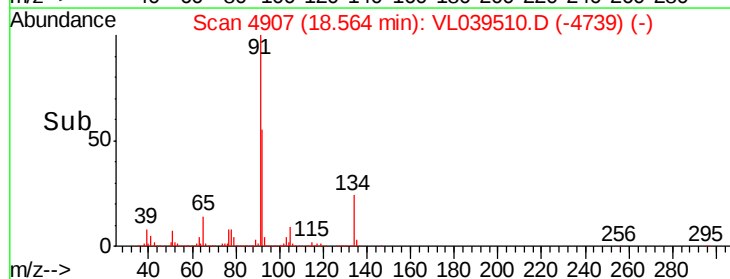
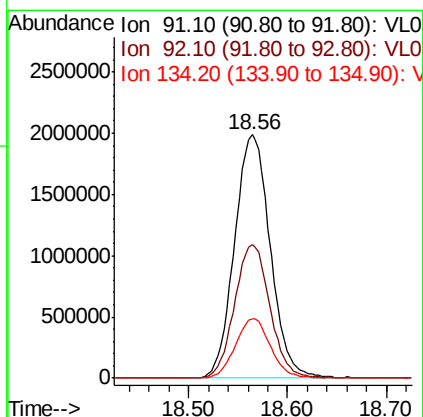
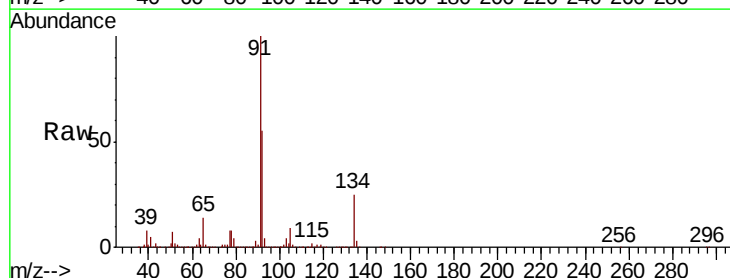
#69
 p-Isopropyltoluene
 Concen: 11.039 ppbv
 RT: 17.67 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 20 Jul 2022 14:37

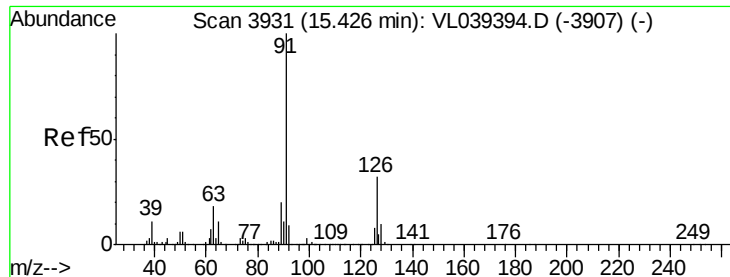
Tot Ion:	119	Resp:	5132720
Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.3	30.5
91	28.5	22.9	34.3



#70
 n-Butylbenzene
 Concen: 11.014 ppbv
 RT: 18.56 min Scan# 4907
 Delta R.T.: 0.04 min
 Lab File: VL039510.D
 Acq: 20 Jul 2022 14:37

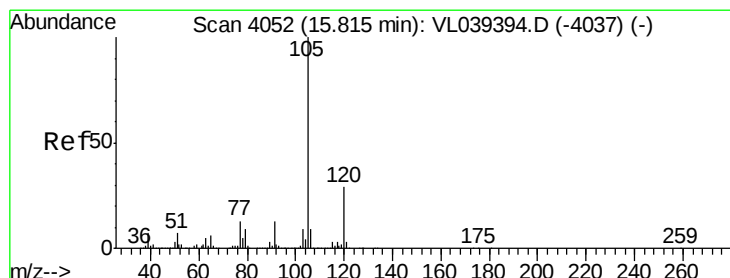
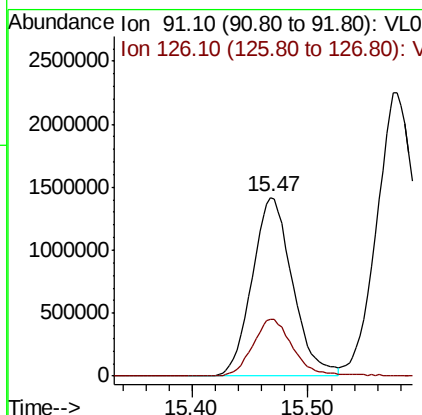
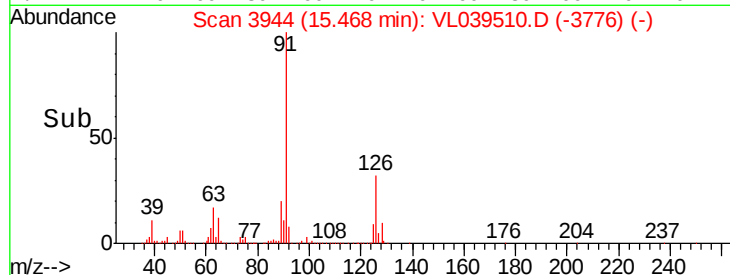
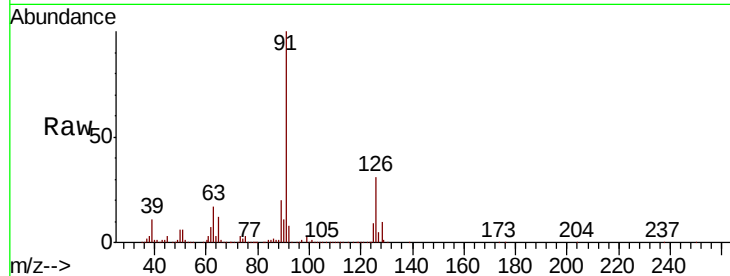
Tgt Ion:	91	Resp:	4970113
Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.4	65.2
134	24.0	18.9	28.3





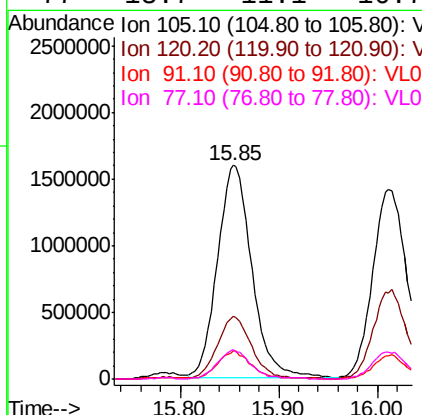
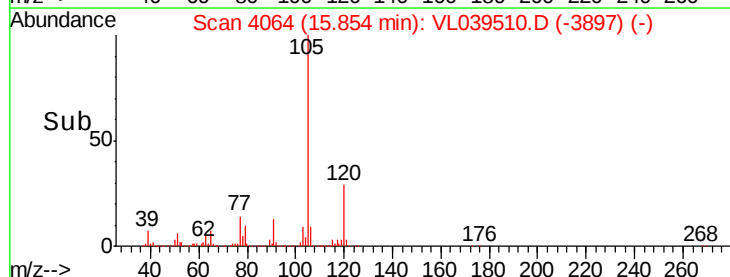
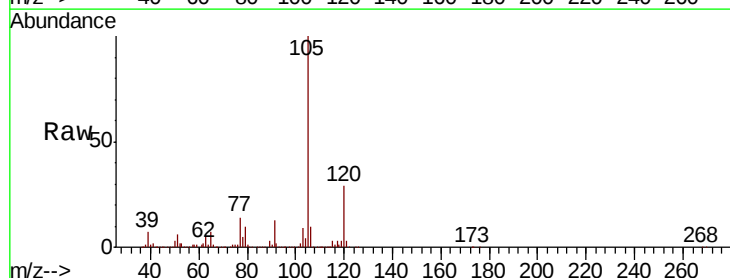
#71
 2-Chlorotoluene
 Concen: 10.912 ppbv
 RT: 15.47 min
 Delta R.T. 0.04 min
 Lab File: VL039510.D
 Acq: 20 Jul 2022 14:37

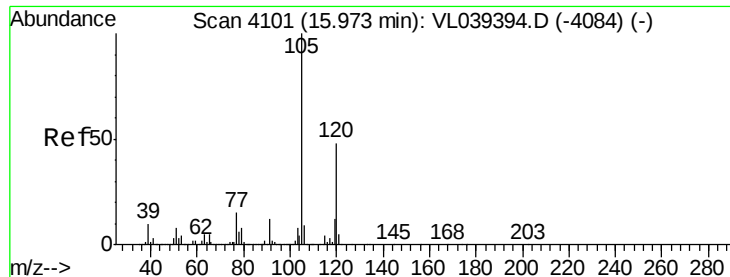
Tot Ion: 91 Resp: 3438396
 Ion Ratio Lower Upper
 91 100
 126 32.6 13.0 51.8



#72
 4-Ethyltoluene
 Concen: 11.363 ppbv
 RT: 15.85 min Scan# 4064
 Delta R.T. 0.04 min
 Lab File: VL039510.D
 Acq: 20 Jul 2022 14:37

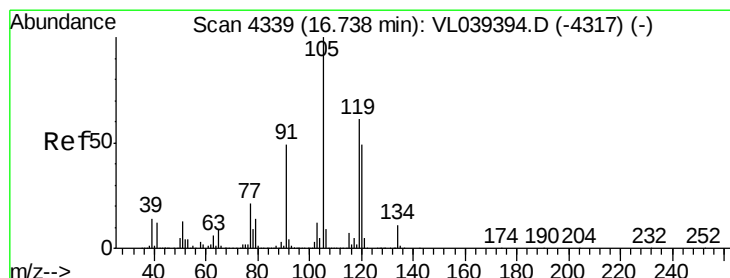
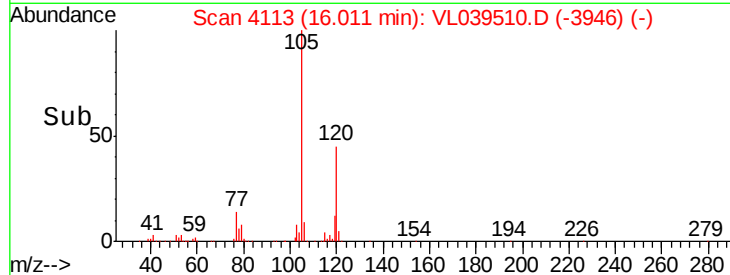
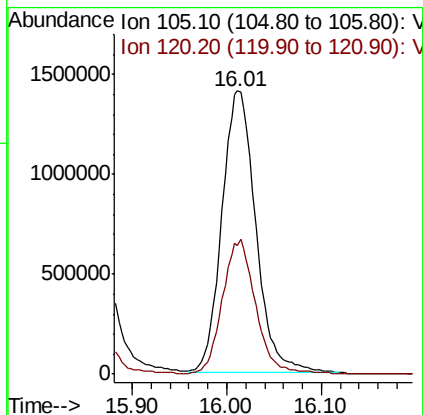
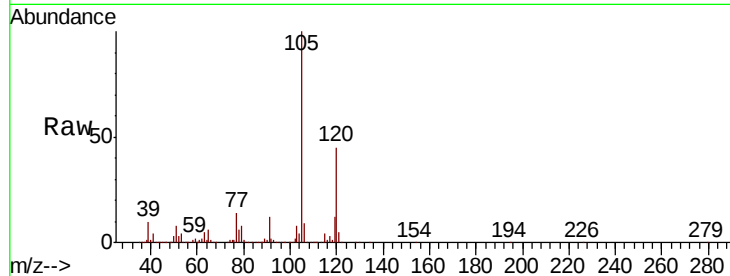
Tgt Ion: 105 Resp: 3862277
 Ion Ratio Lower Upper
 105 100
 120 29.8 24.2 36.2
 91 12.9 10.2 15.4
 77 13.7 11.1 16.7





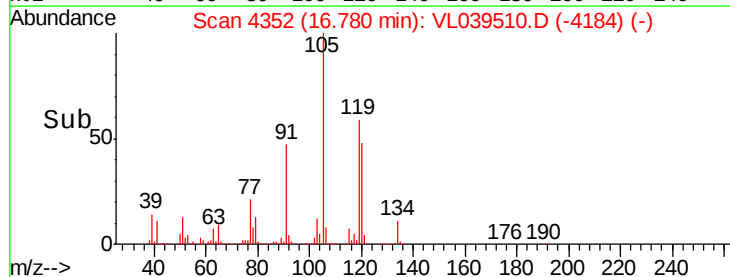
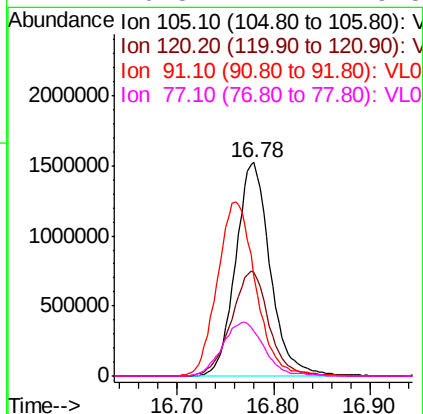
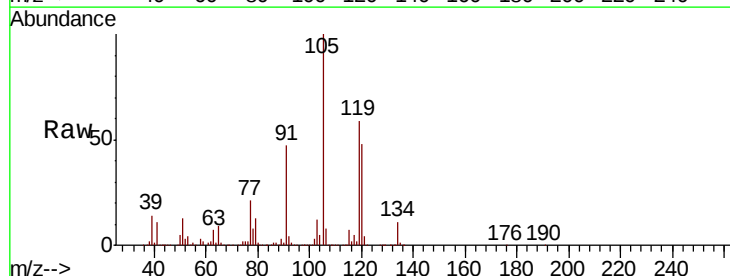
#73
 1,3,5-Trimethylbenzene
 Concen: 11.309 ppbv
 RT: 16.01 min
 Delta R.T. 0.04 min
 Lab File: VL039510.D
 Acq: 20 Jul 2022 14:37

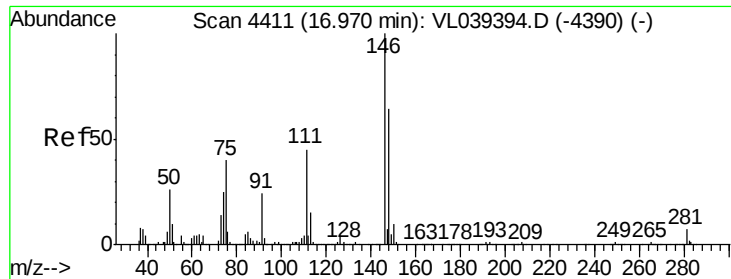
Tot Ion:105 Resp: 3530394
 Ion Ratio Lower Upper
 105 100
 120 45.1 38.2 57.4



#74
 1,2,4-Trimethylbenzene
 Concen: 10.912 ppbv
 RT: 16.78 min Scan# 4352
 Delta R.T. 0.04 min
 Lab File: VL039510.D
 Acq: 20 Jul 2022 14:37

Tgt Ion:105 Resp: 3768593
 Ion Ratio Lower Upper
 105 100
 120 48.2 39.5 59.3
 91 46.8 39.2 58.8
 77 20.8 17.2 25.8

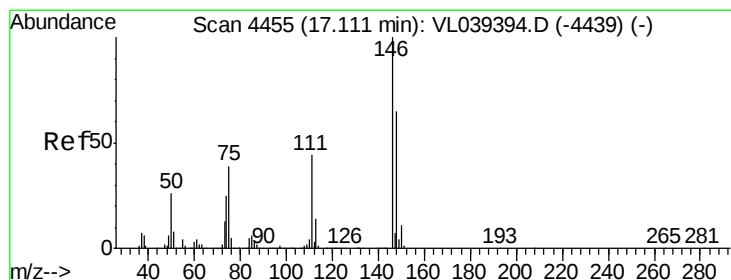
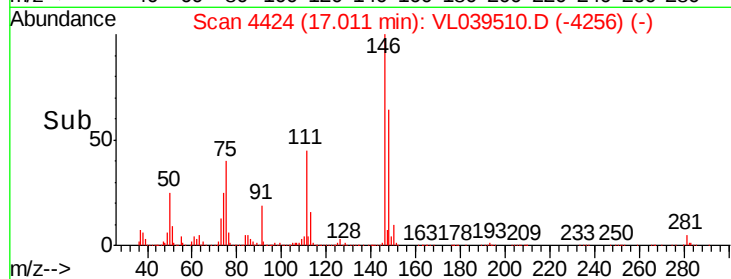
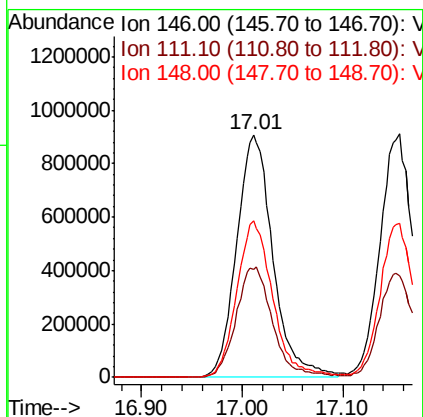
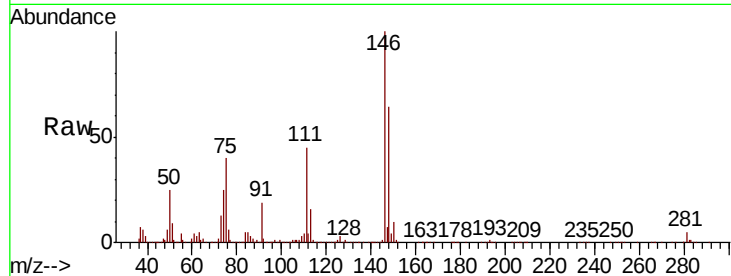




#75
 1,3-Dichlorobenzene
 Concen: 10.982 ppbv
 RT: 17.01 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 20 Jul 2022 14:37

Tot Ion:146 Resp: 2262407

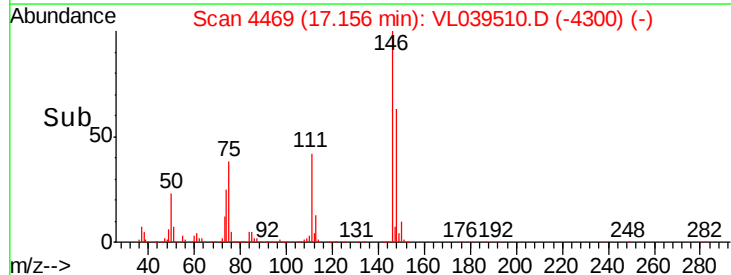
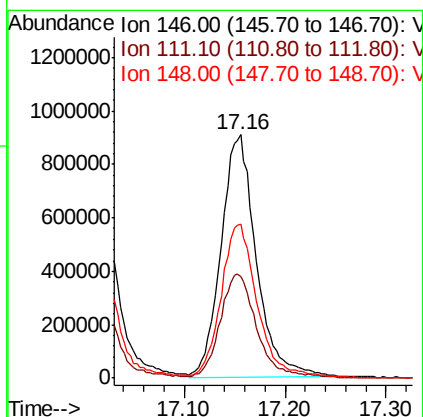
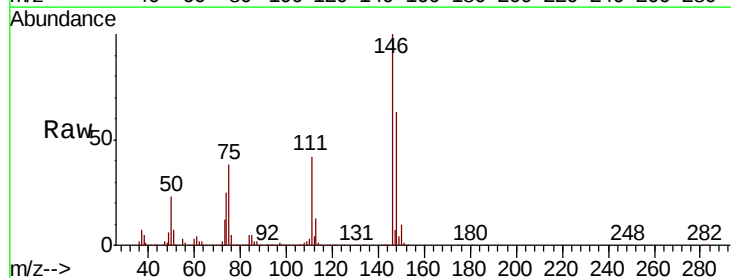
Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.9	68.7
148	64.1	32.1	96.5

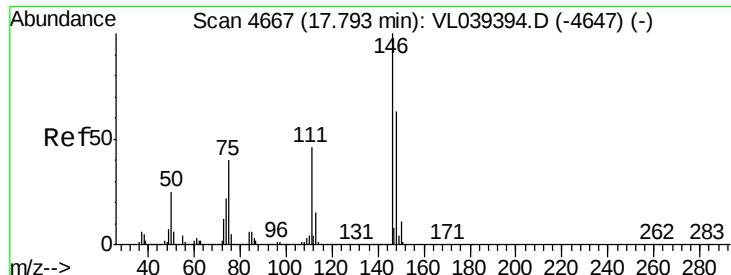


#76
 1,4-Dichlorobenzene
 Concen: 10.774 ppbv
 RT: 17.16 min Scan# 4469
 Delta R.T. 0.04 min
 Lab File: VL039510.D
 Acq: 20 Jul 2022 14:37

Tgt Ion:146 Resp: 2199795

Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.9	68.8
148	65.5	33.6	100.8

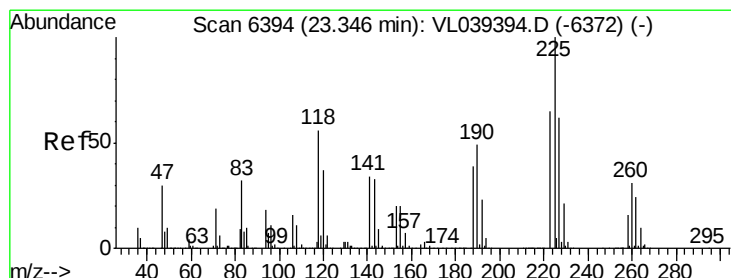
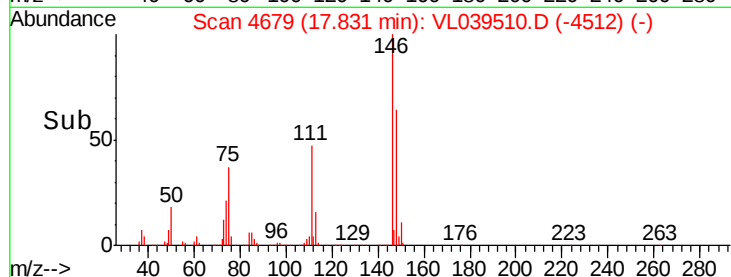
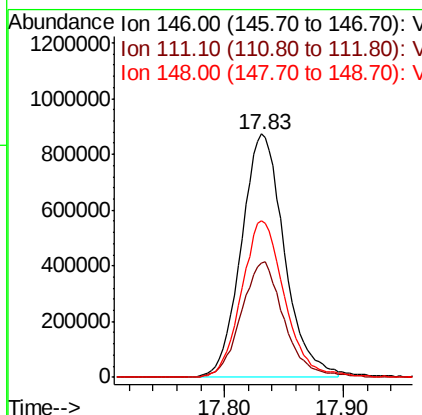
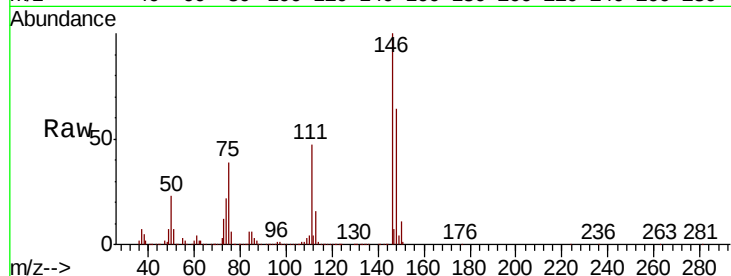




#77
 1,2-Dichlorobenzene
 Concen: 10.659 ppbv
 RT: 17.83 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 20 Jul 2022 14:37

Tot Ion:146 Resp: 2176474

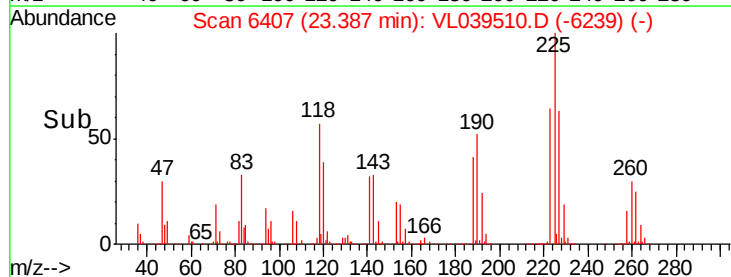
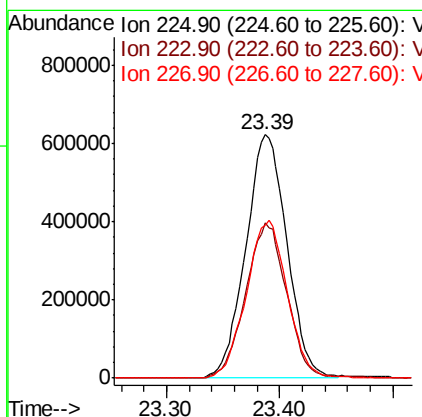
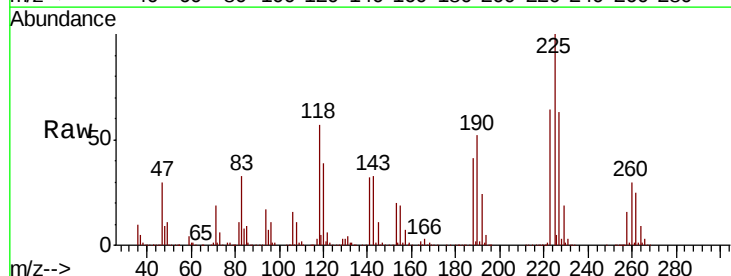
Ion	Ratio	Lower	Upper
146	100		
111	47.5	23.8	71.5
148	64.5	32.3	96.8

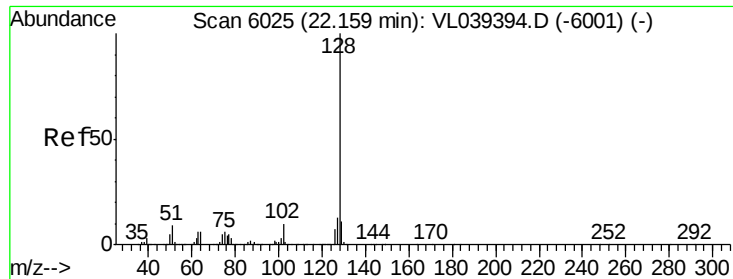


#78
 Hexachloro-1,3-Butadiene
 Concen: 9.581 ppbv
 RT: 23.39 min Scan# 6407
 Delta R.T. 0.04 min
 Lab File: VL039510.D
 Acq: 20 Jul 2022 14:37

Tgt Ion:225 Resp: 1573485

Ion	Ratio	Lower	Upper
225	100		
223	63.2	51.8	77.6
227	64.7	51.4	77.2





#79

Naphthalene

Concen: 12.821 ppbv

RT: 22.21 min

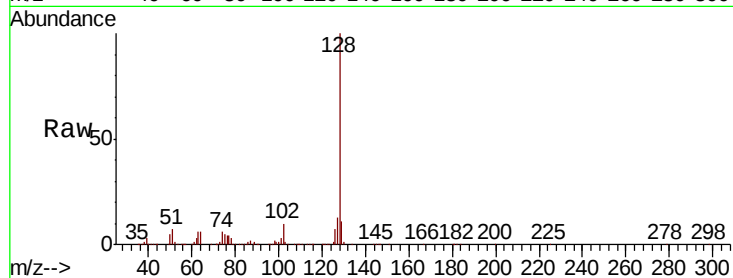
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

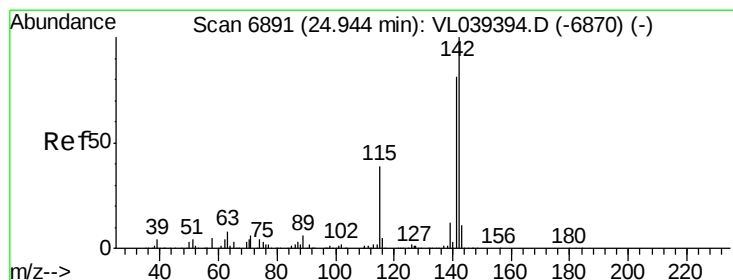
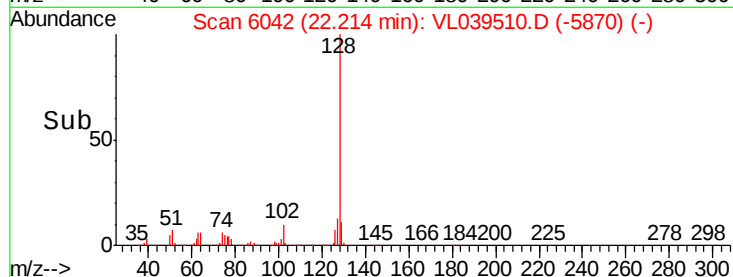
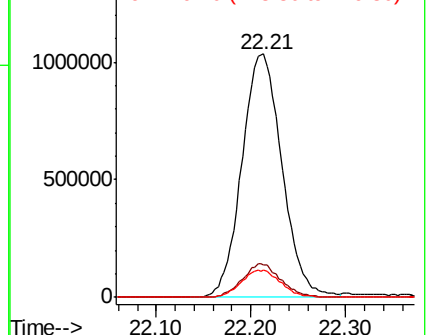
Acq: 20 Jul 2022 14:37

Tot Ion:128 Resp: 3047210

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	11.1	8.8	13.2



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 13.635 ppbv

RT: 24.98 min Scan# 6902

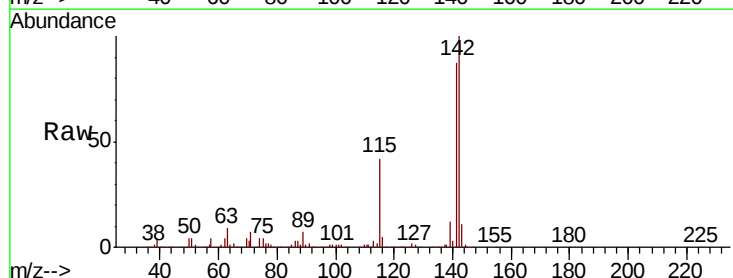
Delta R.T. 0.04 min

Lab File: VL039510.D

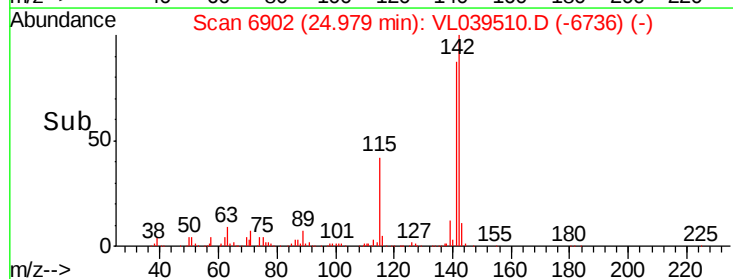
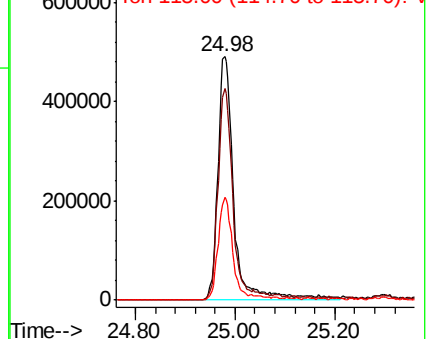
Acq: 20 Jul 2022 14:37

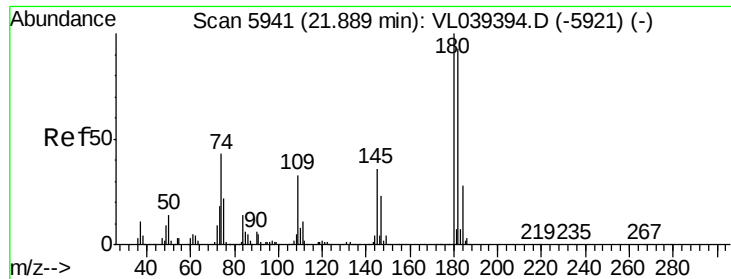
Tgt Ion:142 Resp: 1102957

Ion	Ratio	Lower	Upper
142	100		
141	82.9	68.9	103.3
115	40.0	30.0	45.0



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 11.308 ppbv
 RT: 21.94
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 20 Jul 2022 14:37

Tot Ion:180 Resp: 1750421
 Ion Ratio Lower Upper
 180 100
 182 97.5 77.1 115.7
 184 30.8 24.3 36.5

