

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070522\
 Data File : VL039440.D
 Acq On : 6 Jul 2022 9:53
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Jul 07 02:11:02 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	1177130	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	3223192	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3809683	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2349268	8.31	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	1818415	10.710	ppbv 100
3) Chlorodifluoromethane	3.00	51	1381501	9.251	ppbv 99
4) Chloromethane	3.15	50	756587	9.263	ppbv 99
5) Vinyl Chloride	3.27	62	727701	9.035	ppbv 99
6) Bromomethane	3.49	94	321241	9.477	ppbv 97
7) Chloroethane	3.57	64	274578	9.585	ppbv 99
8) Dichlorotetrafluoroethane	3.20	85	1793933	9.672	ppbv 100
9) Propene	3.02	41	555169	8.232	ppbv 94
10) Heptane	8.14	43	1565976	9.913	ppbv 99
11) Trichlorofluoromethane	3.96	101	1832577	9.686	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1330288	9.432	ppbv 99
13) Ethanol	3.62	45	26612	6.801	ppbv 97
14) Bromoethene	3.75	108	565308	9.533	ppbv 99
15) Acetone	3.86	43	1328902	9.542	ppbv 100
16) 1,3-Butadiene	3.34	39	714899	9.894	ppbv 98
17) tert-Butyl alcohol	4.29	59	1169276	9.892	ppbv 99
18) 1,1-Dichloroethene	4.30	96	599244	9.378	ppbv 99
19) Isopropyl Alcohol	3.97	45	685766	9.232	ppbv 98
20) Methylene Chloride	4.36	84	494879	8.915	ppbv 95
21) Allyl Chloride	4.42	41	933365	9.677	ppbv 99
22) trans-1,2-Dichloroethene	4.90	96	610242	9.866	ppbv 98
23) Vinyl Acetate	5.09	43	983335	10.566	ppbv 98
24) 1,1-Dichloroethane	5.02	63	1337878	10.179	ppbv 100
25) Ethyl Acetate	5.69	43	2833491	9.923	ppbv 99
26) Hexane	5.70	57	1216898	10.572	ppbv 98
27) Carbon Disulfide	4.56	76	1465910	10.551	ppbv 99
28) Methyl tert-Butyl Ether	5.04	73	1251792	10.171	ppbv 96
29) Chloroform	5.76	83	1925255	9.619	ppbv 96
30) Cyclohexane	7.14	84	1040507	9.929	ppbv 98
31) cis-1,2-Dichloroethene	5.56	61	1163316	9.525	ppbv 99
32) 1,1,1-Trichloroethane	6.53	97	1946370	9.852	ppbv 100
34) 2-Butanone	5.25	43	1648555	10.161	ppbv 100
35) Carbon Tetrachloride	7.03	117	2079568	10.441	ppbv 98
36) Benzene	6.90	78	2465707	9.884	ppbv 97
37) 1,2-Dichloroethane	6.32	62	1486832	10.098	ppbv 99
38) Trichloroethene	7.85	130	1336153	9.903	ppbv 97
39) 1,2-Dichloropropane	7.63	63	938241	10.068	ppbv 95
40) 1,4-Dioxane	7.84	88	161878	4.359	ppbv # 1
41) Tetrahydrofuran	6.06	42	943383	10.034	ppbv 99
42) Bromodichloromethane	7.81	83	2089333	10.524	ppbv 96
43) Methyl Methacrylate	8.02	69	1009814	10.646	ppbv 99

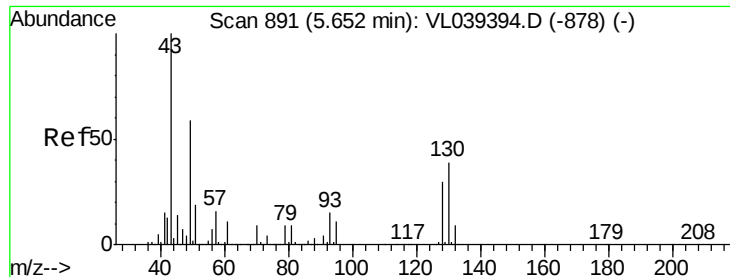
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070522\
 Data File : VL039440.D
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 Operator : SY/AP
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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Jul 07 02:11:02 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)
44) 2,2,4-Trimethylpentane	7.88	57	4193890	9.921	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1016162	12.032	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1319573	11.352	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	1049419	10.036	ppbv	99
48) Dibromochloromethane	10.32	129	1860291	11.193	ppbv	100
49) Bromoform	13.05	173	1555878	11.604	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2645549	10.784	ppbv	98
51) 2-Hexanone	10.14	43	2077551	11.196	ppbv #	100
52) Tetrachloroethene	11.24	164	964463	9.604	ppbv	97
53) Toluene	9.82	91	3015078	10.478	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1383812	10.636	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	1357587	8.067	ppbv	94
57) Chlorobenzene	12.16	112	2360706	7.993	ppbv	98
58) Ethyl Benzene	12.72	91	4108676	8.352	ppbv	98
59) m/p-Xylene	13.01	91	3716759	8.570	ppbv #	37
60) o-Xylene	13.70	91	3386826	8.247	ppbv	99
61) Styrene	13.54	104	1969578	8.854	ppbv	98
62) Isopropylbenzene	14.68	105	5048295	8.072	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	1649251	7.662	ppbv	99
64) n-propylbenzene	15.57	120	1316850	8.308	ppbv	99
65) tert-Butylbenzene	16.75	119	4654894	8.055	ppbv	100
66) Benzyl Chloride	17.00	91	486845	8.865	ppbv	99
67) sec-Butylbenzene	17.30	105	6377125	8.193	ppbv	100
69) p-Isopropyltoluene	17.66	119	5474723	8.289	ppbv	99
70) n-Butylbenzene	18.56	91	5350546	8.347	ppbv	100
71) 2-Chlorotoluene	15.46	91	3713021	8.295	ppbv	100
72) 4-Ethyltoluene	15.85	105	4145777	8.586	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	3803405	8.577	ppbv	97
74) 1,2,4-Trimethylbenzene	16.77	105	4072217	8.301	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	2390225	8.168	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	2300061	7.930	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2339775	8.066	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	1612349	6.912	ppbv	99
79) Naphthalene	22.20	128	3133579	9.282	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	1058398	9.211	ppbv	98
81) 1,2,4-Trichlorobenzene	21.93	180	1805860	8.212	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 6 Jul 2022 9:55

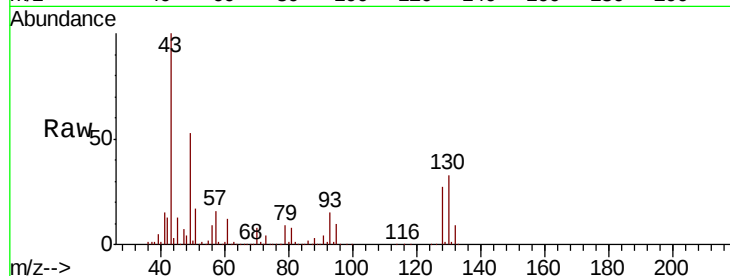
Tot Ion: 49 Resp: 1177130

Ion Ratio Lower Upper

49 100

128 52.0 26.7 80.0

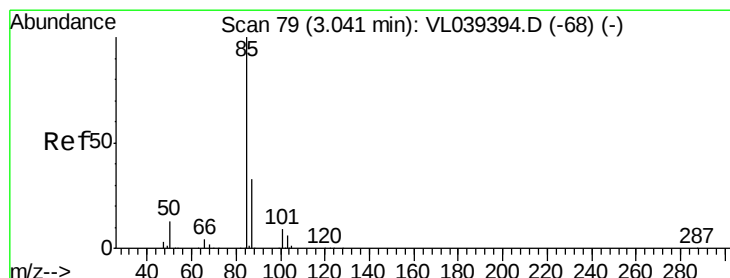
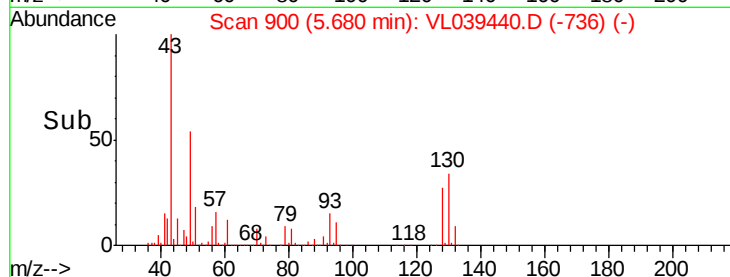
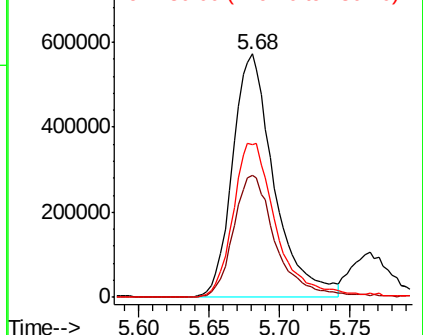
130 67.0 34.3 102.8



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: 10.710 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.02 min

Lab File: VL039440.D

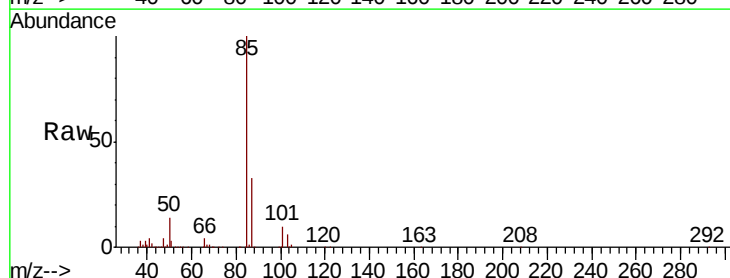
Acq: 6 Jul 2022 9:53

Tgt Ion: 85 Resp: 1818415

Ion Ratio Lower Upper

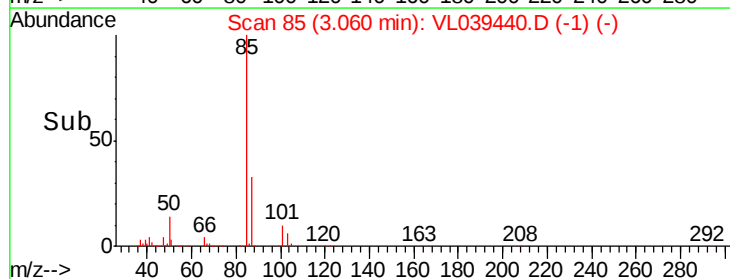
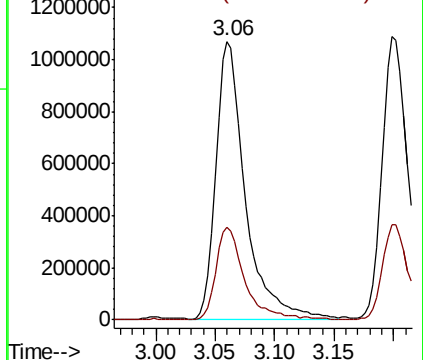
85 100

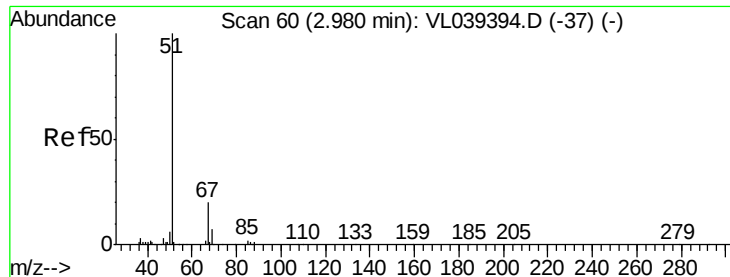
87 33.2 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.251 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

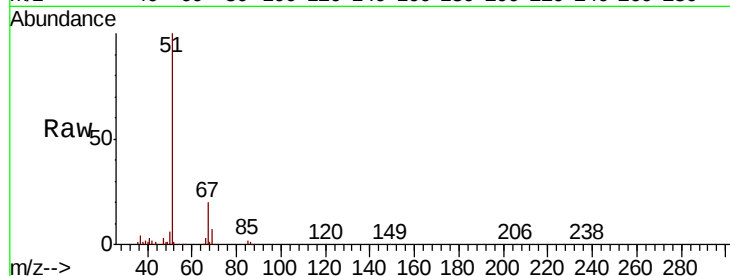
Acq: 6 Jul 2022 9:55 VSTDCCC010EC

Tot Ion: 51 Resp: 1381501

Ion Ratio Lower Upper

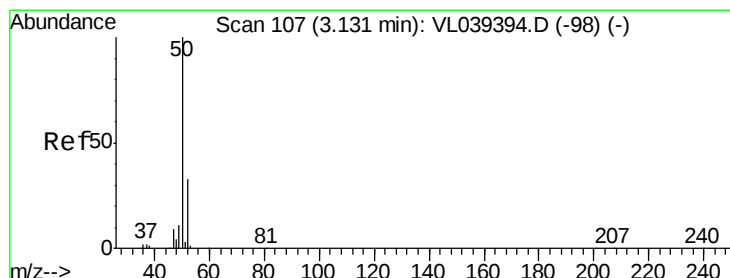
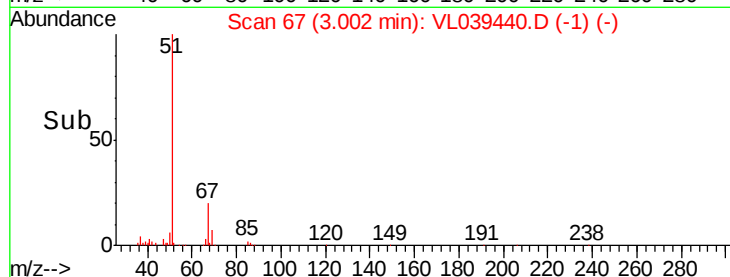
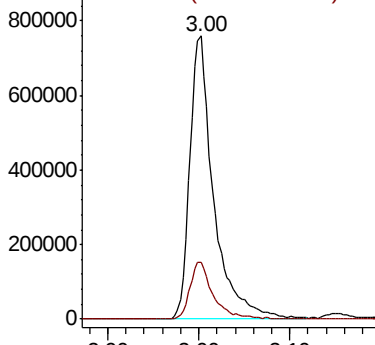
51 100

67 19.9 15.7 23.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.263 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.02 min

Lab File: VL039440.D

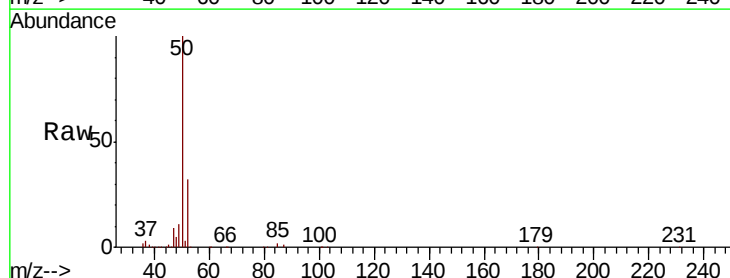
Acq: 6 Jul 2022 9:53

Tgt Ion: 50 Resp: 756587

Ion Ratio Lower Upper

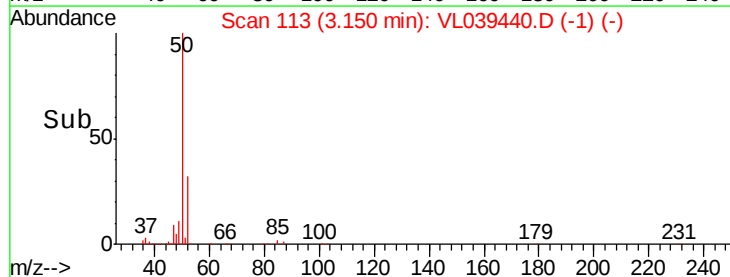
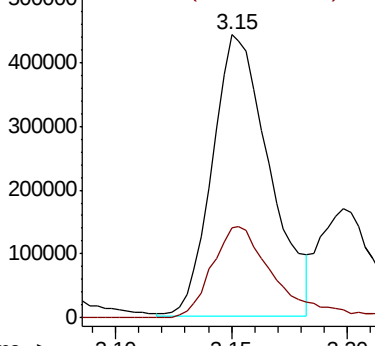
50 100

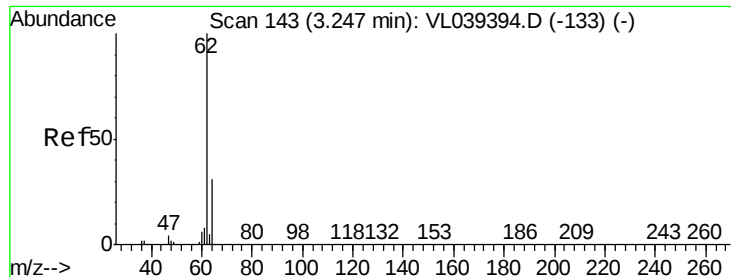
52 32.3 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.035 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

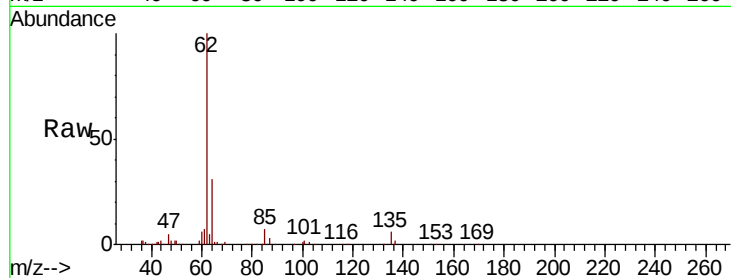
Acq: 6 Jul 2022 9:53 VSTDCCC010EC

Tot Ion: 62 Resp: 727701

Ion Ratio Lower Upper

62 100

64 31.3 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

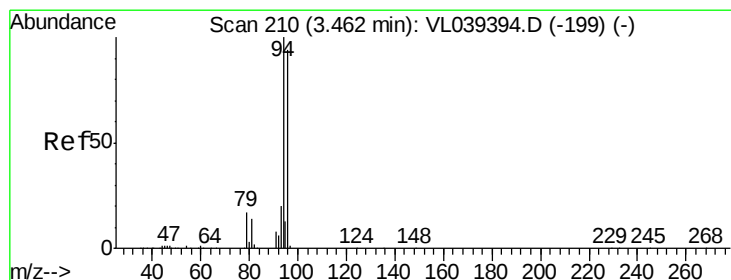
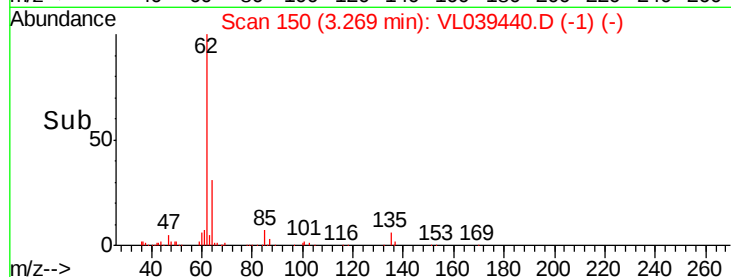
200000

100000

0

Time-->

3.20 3.25 3.30 3.35



#6

Bromomethane

Concen: 9.477 ppbv

RT: 3.49 min Scan# 218

Delta R.T. 0.03 min

Lab File: VL039440.D

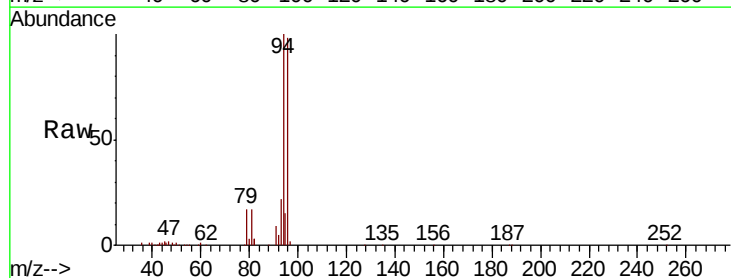
Acq: 6 Jul 2022 9:53

Tgt Ion: 94 Resp: 321241

Ion Ratio Lower Upper

94 100

96 97.5 75.6 113.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

200000

150000

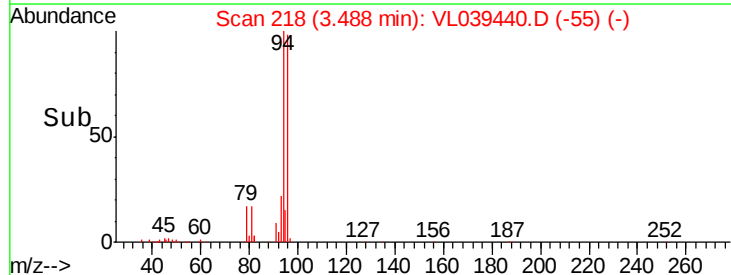
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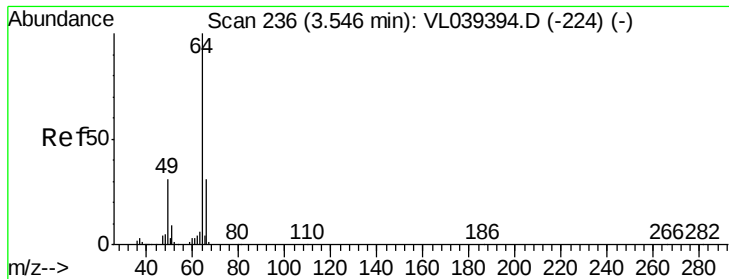
50000

0

Time-->

3.45 3.50 3.55





#7

Chloroethane

Concen: 9.585 ppbv

RT: 3.57 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

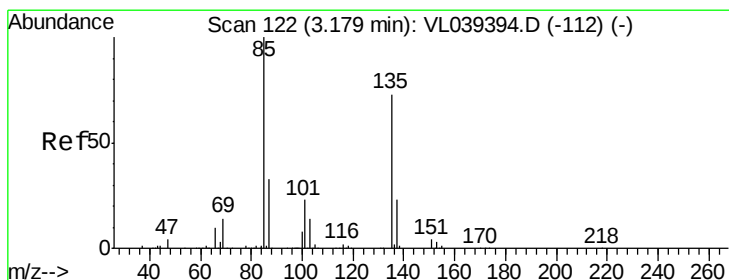
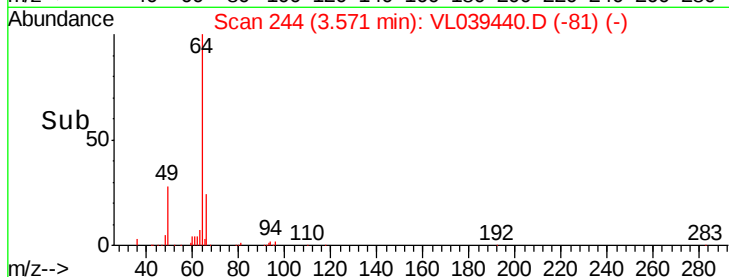
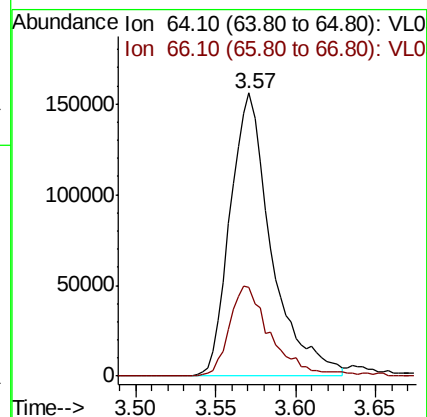
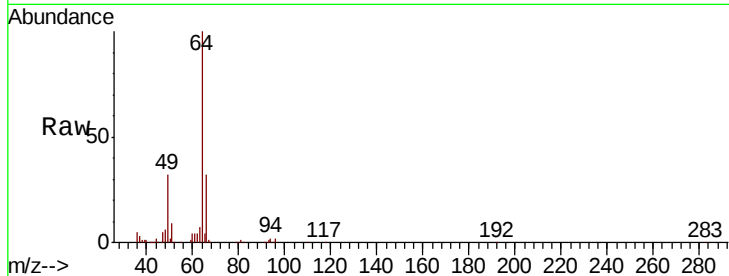
Acq: 6 Jul 2022 9:53

Tot Ion: 64 Resp: 274578

Ion Ratio Lower Upper

64 100

66 31.6 24.7 37.1



#8

Dichlorotetrafluoroethane

Concen: 9.672 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.02 min

Lab File: VL039440.D

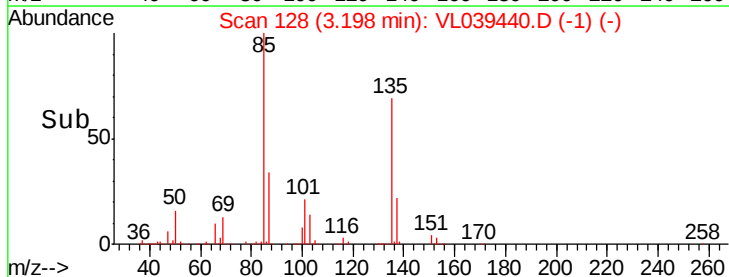
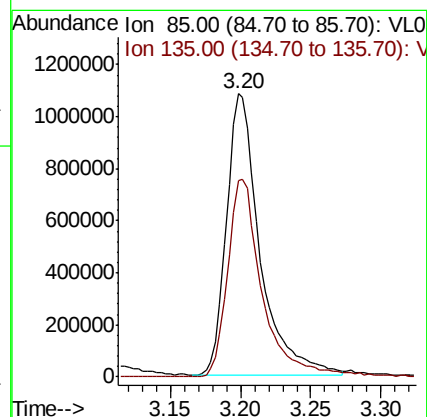
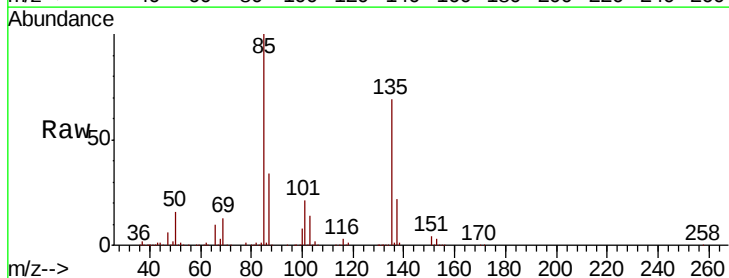
Acq: 6 Jul 2022 9:53

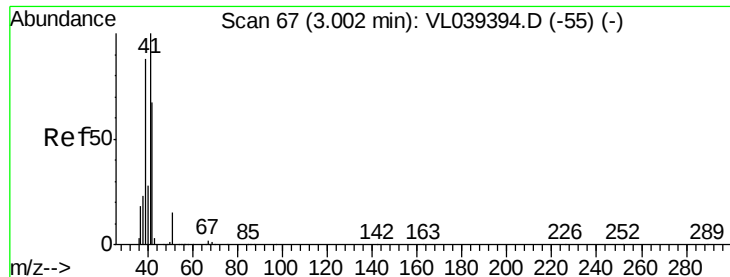
Tgt Ion: 85 Resp: 1793933

Ion Ratio Lower Upper

85 100

135 73.9 59.0 88.4





#9

Propene

Concen: 8.232 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

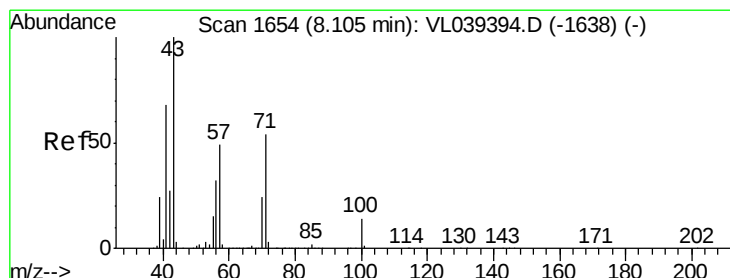
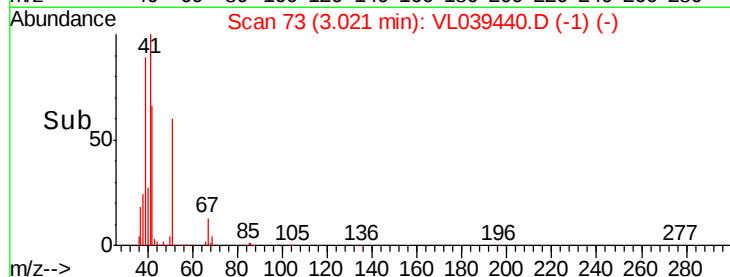
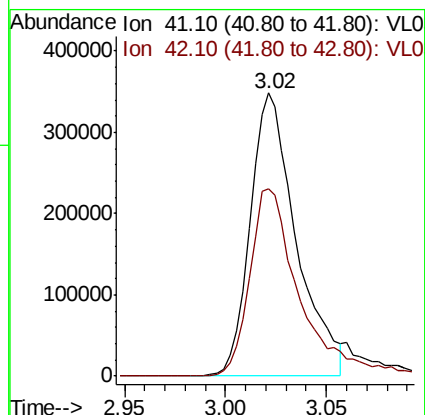
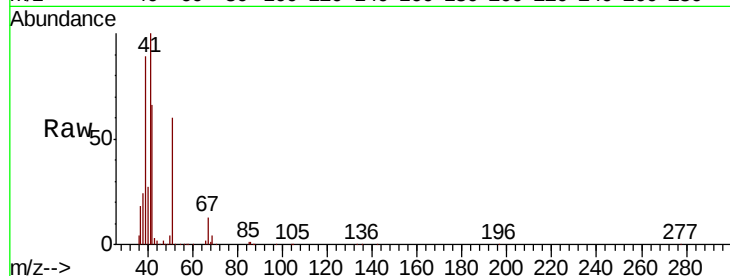
Acq: 6 Jul 2022 9:53 VSTDCCC010EC

Tot Ion: 41 Resp: 555169

Ion Ratio Lower Upper

41 100

42 73.5 55.2 82.8



#10

Heptane

Concen: 9.913 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.03 min

Lab File: VL039440.D

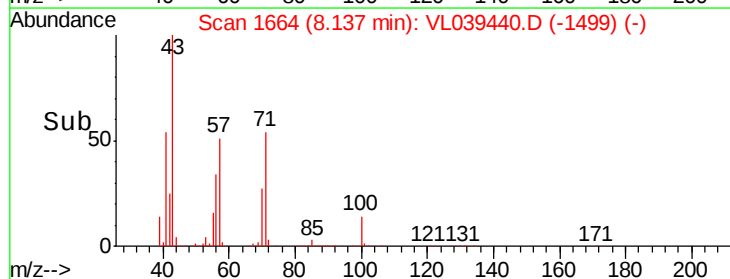
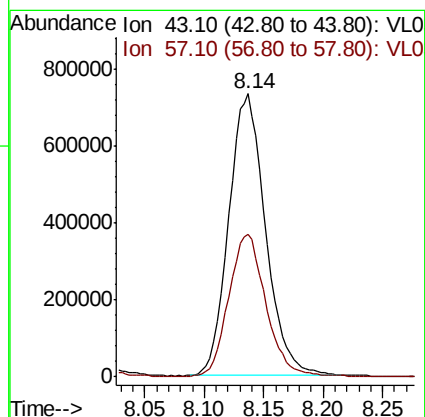
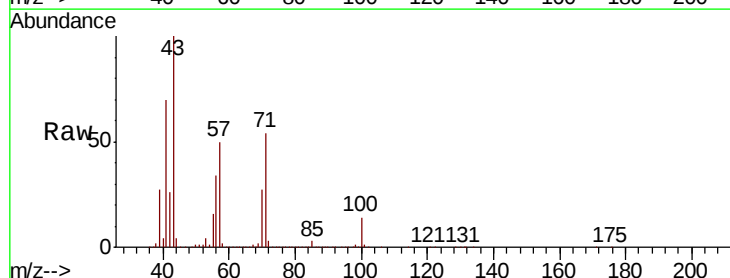
Acq: 6 Jul 2022 9:53

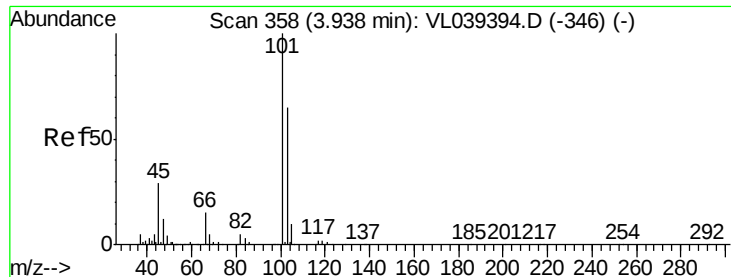
Tgt Ion: 43 Resp: 1565976

Ion Ratio Lower Upper

43 100

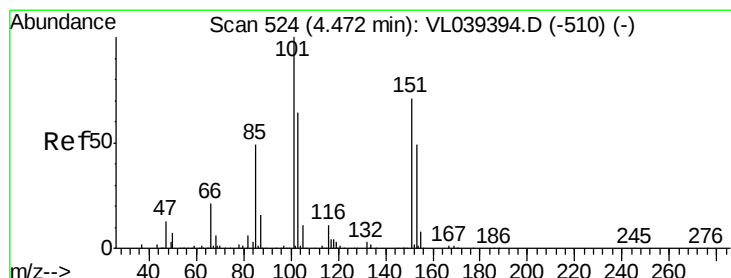
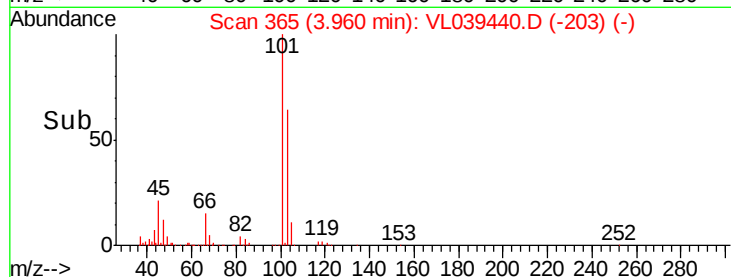
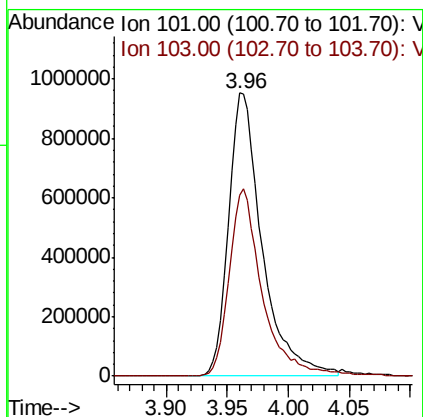
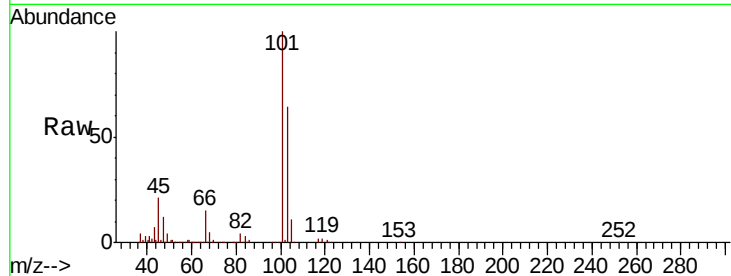
57 51.2 40.5 60.7





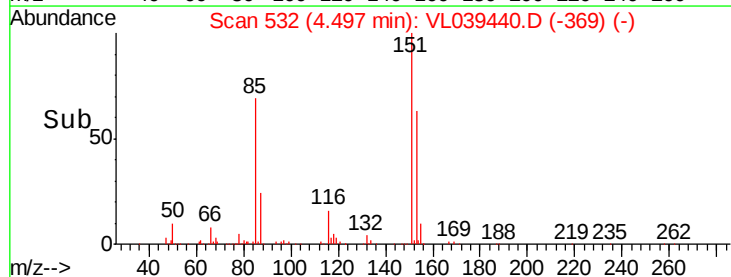
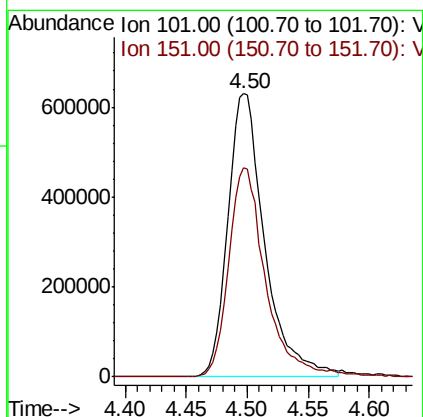
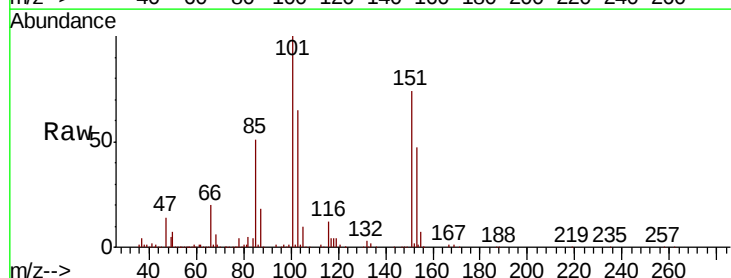
#11
 Trichlorofluoromethane
 Concen: 9.686 ppbv
 RT: 3.96 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 6 Jul 2022 9:53

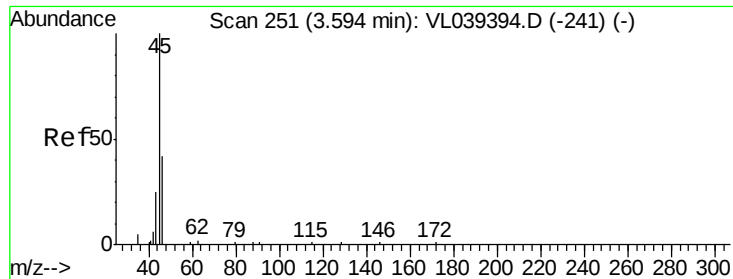
Tot Ion:101 Resp: 1832577
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.432 ppbv
 RT: 4.50 min Scan# 532
 Delta R.T.: 0.03 min
 Lab File: VL039440.D
 Acq: 6 Jul 2022 9:53

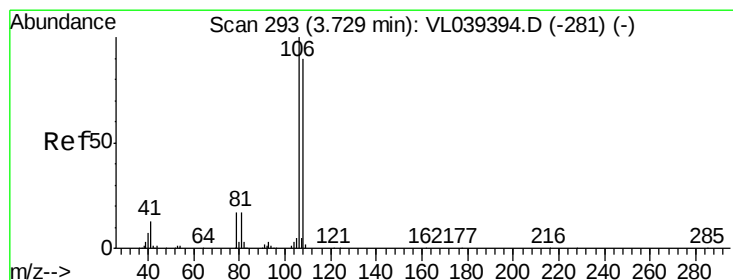
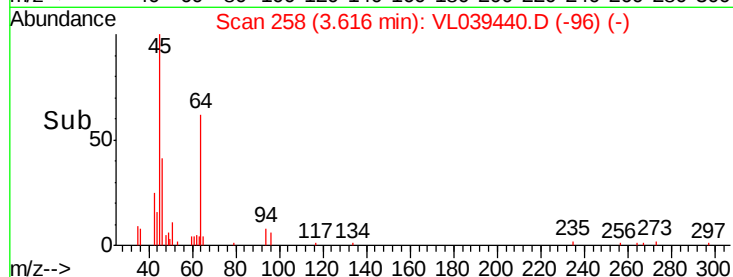
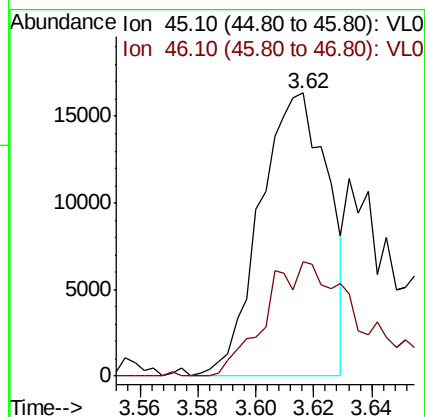
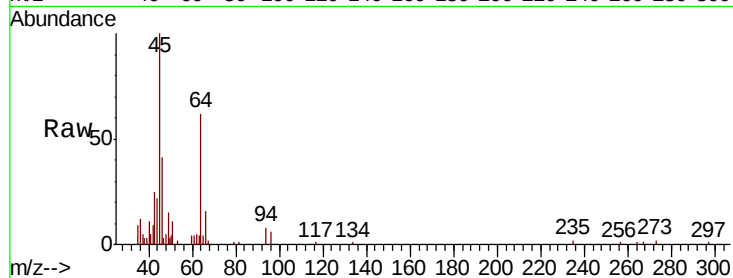
Tgt Ion:101 Resp: 1330288
 Ion Ratio Lower Upper
 101 100
 151 74.4 58.9 88.3





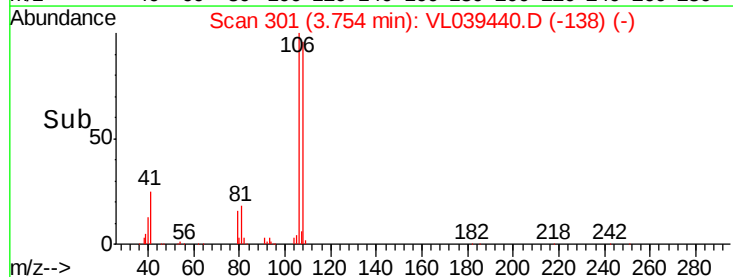
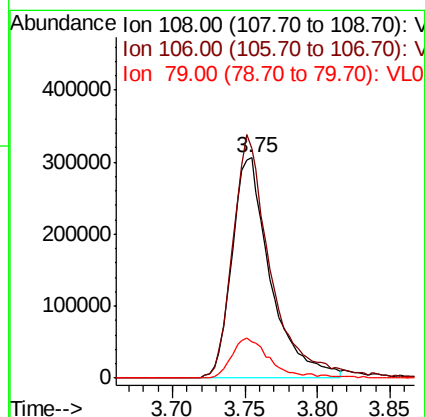
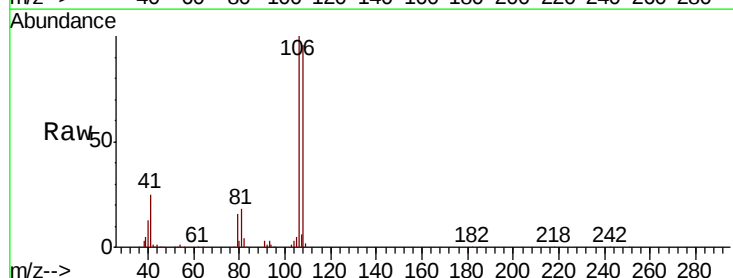
#13
Ethanol
Concen: 6.801 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 6 Jul 2022 9:53

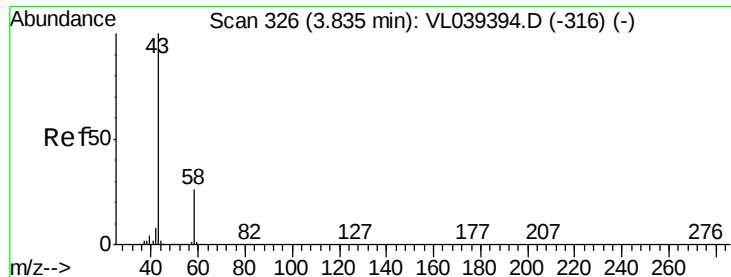
Tot Ion: 45 Resp: 26612
Ion Ratio Lower Upper
45 100
46 59.2 22.8 91.2



#14
Bromoethene
Concen: 9.533 ppbv
RT: 3.75 min Scan# 301
Delta R.T. 0.03 min
Lab File: VL039440.D
Acq: 6 Jul 2022 9:53

Tgt Ion: 108 Resp: 565308
Ion Ratio Lower Upper
108 100
106 110.3 87.1 130.7
79 19.1 14.6 22.0





#15

Acetone

Concen: 9.542 ppbv

RT: 3.86 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

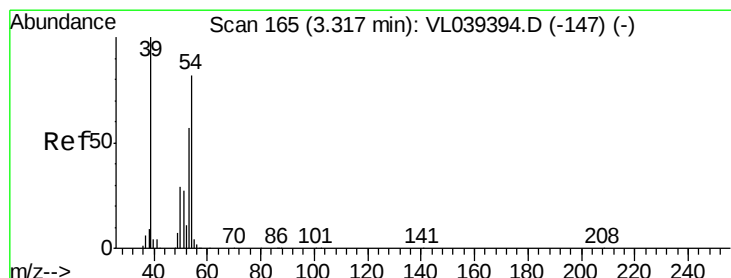
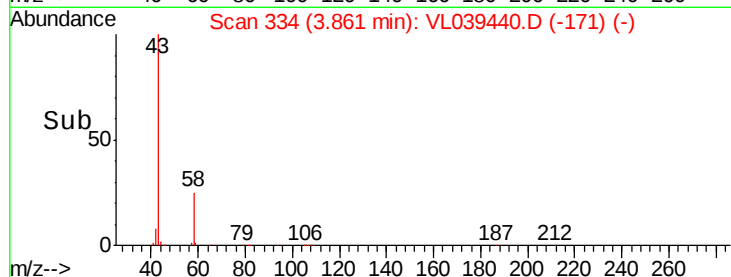
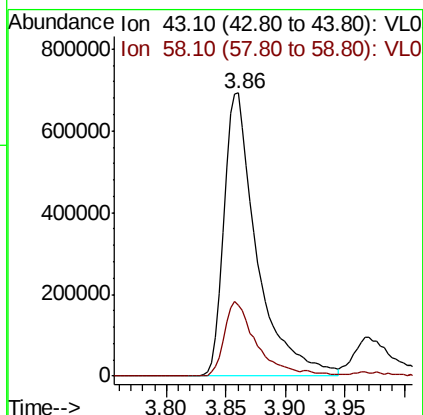
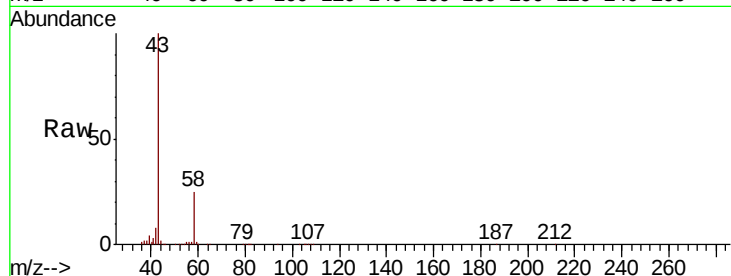
Acq: 6 Jul 2022 9:53 VSTDCCC010EC

Tot Ion: 43 Resp: 1328902

Ion Ratio Lower Upper

43 100

58 26.1 21.0 31.6



#16

1,3-Butadiene

Concen: 9.894 ppbv

RT: 3.34 min Scan# 172

Delta R.T. 0.02 min

Lab File: VL039440.D

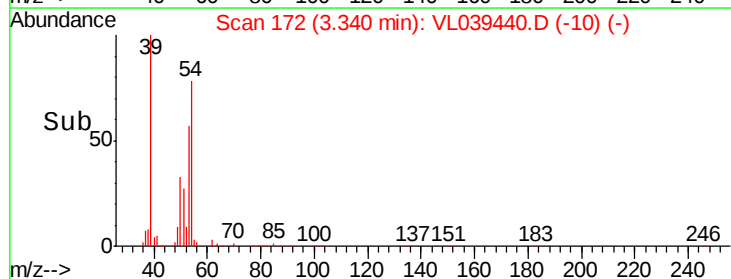
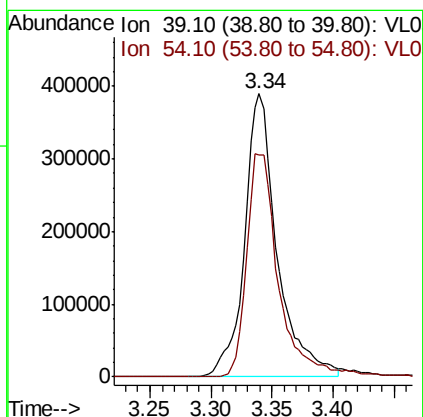
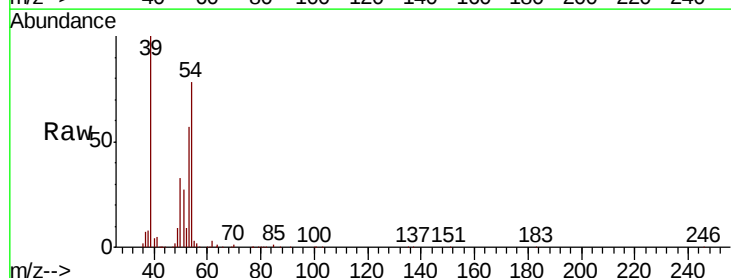
Acq: 6 Jul 2022 9:53

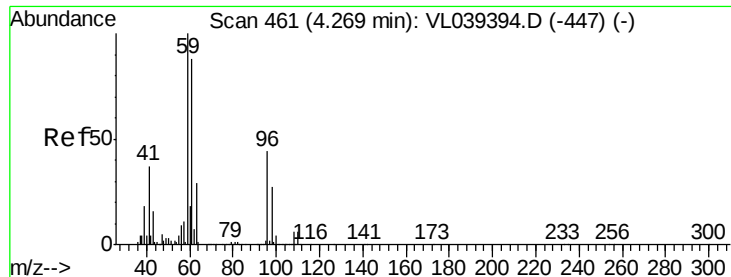
Tgt Ion: 39 Resp: 714899

Ion Ratio Lower Upper

39 100

54 78.0 63.7 95.5





#17

tert-Butyl alcohol

Concen: 9.892 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

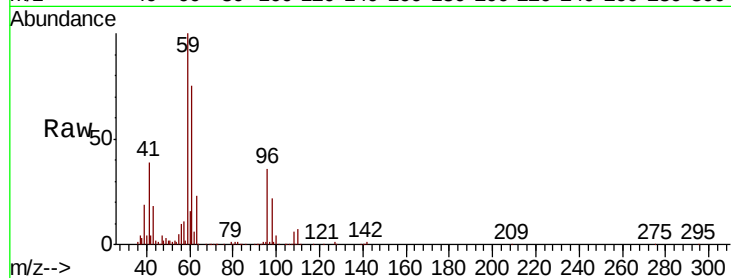
Acq: 6 Jul 2022 9:53 VSTDCCC010EC

Tot Ion: 59 Resp: 1169276

Ion Ratio Lower Upper

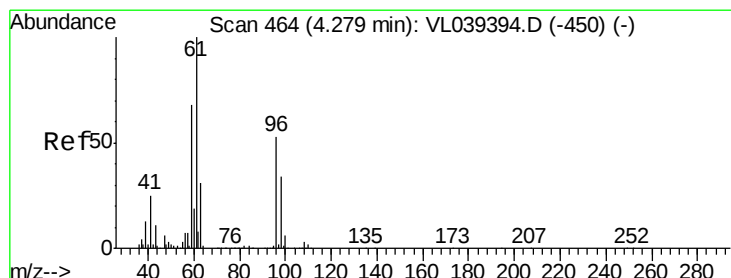
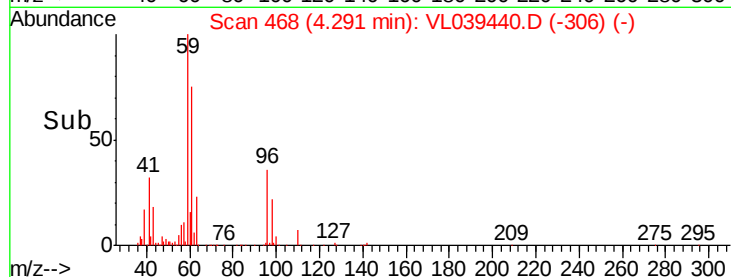
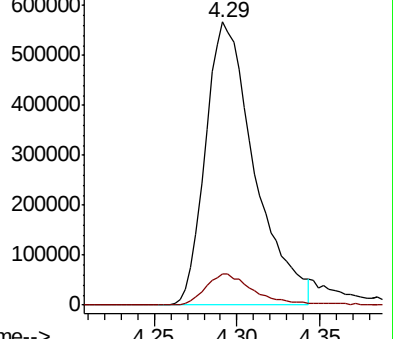
59 100

57 11.5 8.7 13.1



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 9.378 ppbv

RT: 4.30 min Scan# 471

Delta R.T. 0.02 min

Lab File: VL039440.D

Acq: 6 Jul 2022 9:53

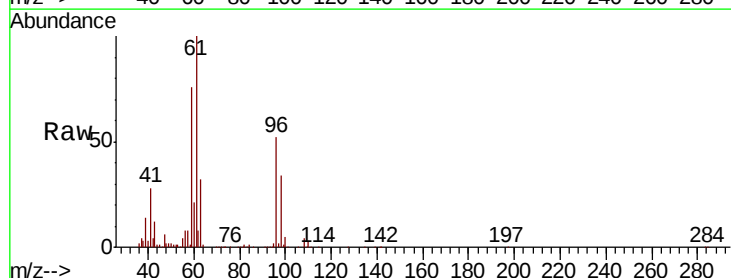
Tgt Ion: 96 Resp: 599244

Ion Ratio Lower Upper

96 100

61 190.8 152.2 228.4

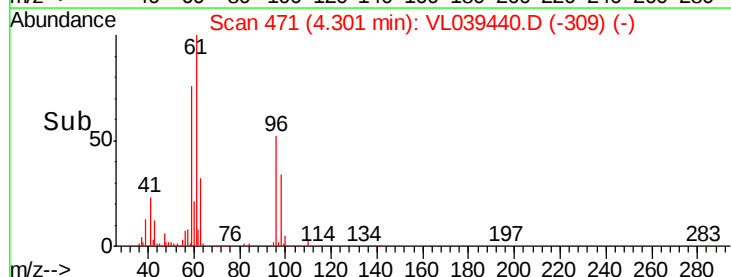
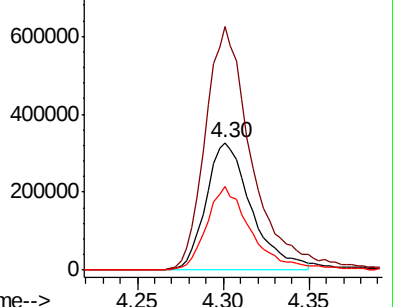
98 65.6 51.8 77.6

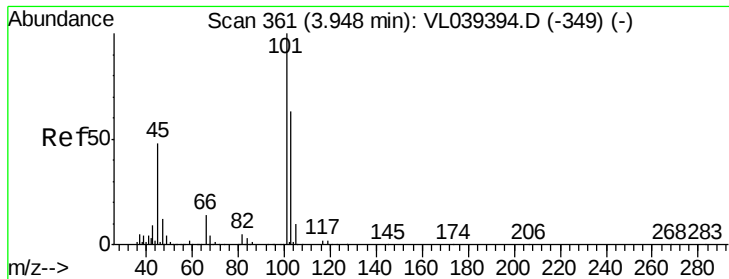


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 9.232 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

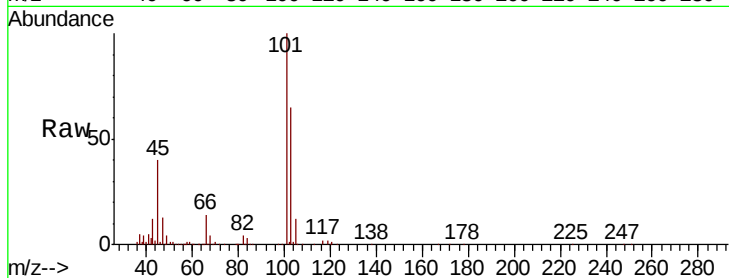
Acq: 6 Jul 2022 9:53 VSTDCCC010EC

Tot Ion: 45 Resp: 685766

Ion Ratio Lower Upper

45 100

58 4.5 3.2 4.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.97

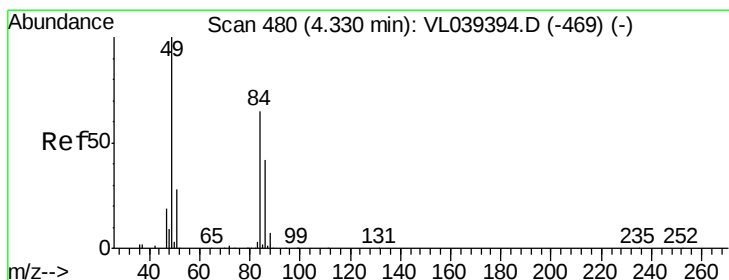
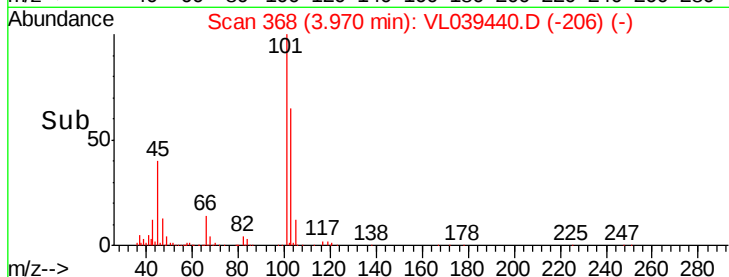
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.915 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.03 min

Lab File: VL039440.D

Acq: 6 Jul 2022 9:53

Tgt Ion: 84 Resp: 494879

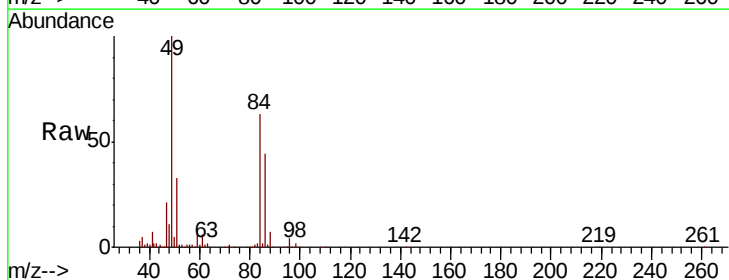
Ion Ratio Lower Upper

84 100

49 156.2 123.1 184.7

51 50.2 34.4 51.6

86 69.0 51.1 76.7



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

600000

500000

400000

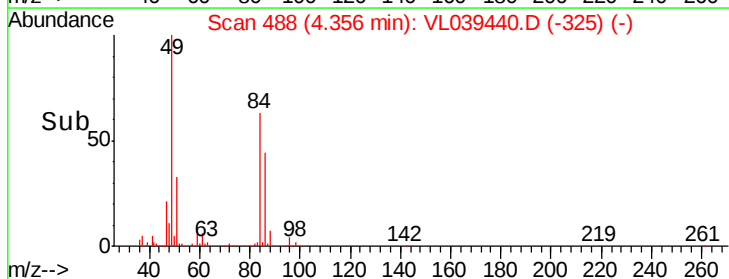
300000

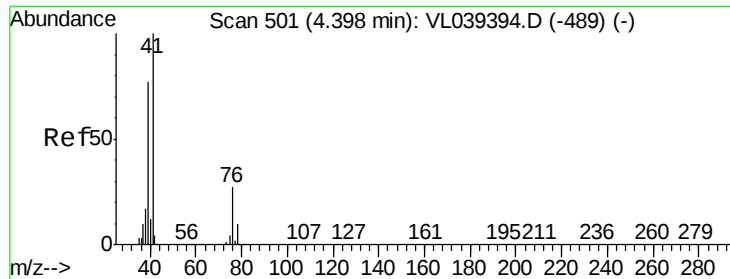
200000

100000

0

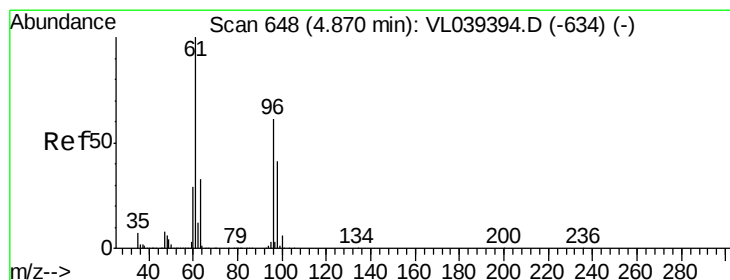
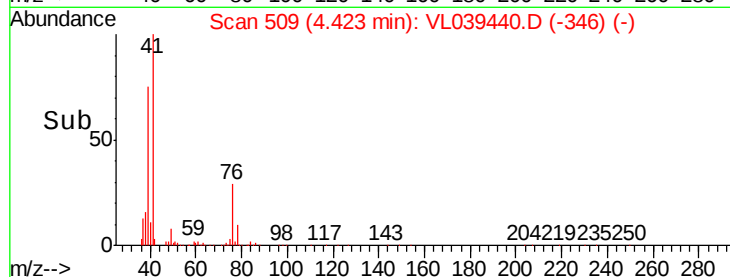
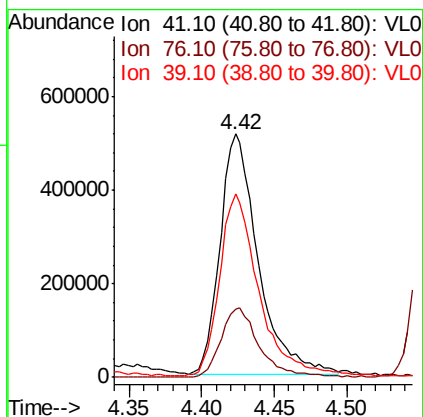
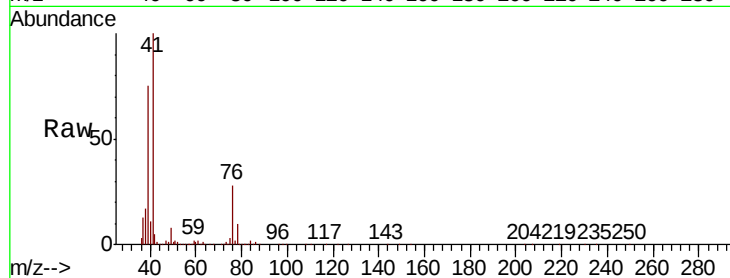
Time-->





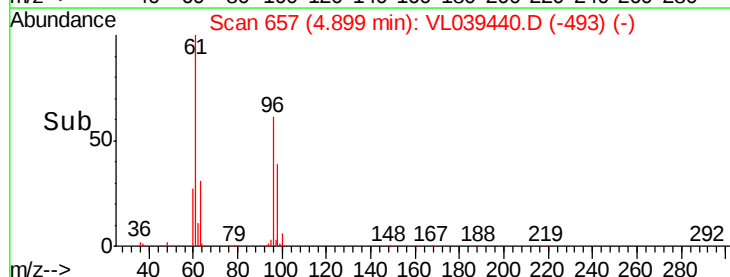
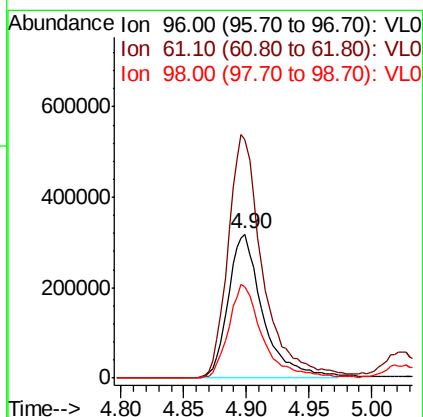
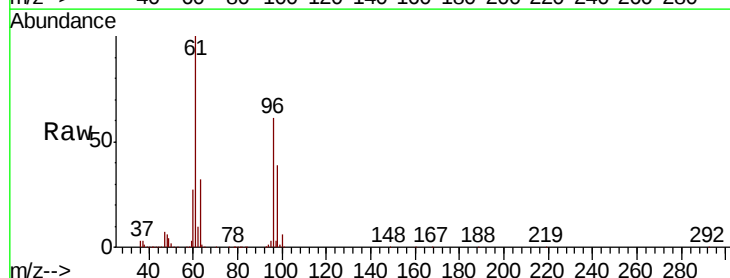
#21
 Allvl Chloride
 Concen: 9.677 ppbv
 RT: 4.42
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 6 Jul 2022 9:55

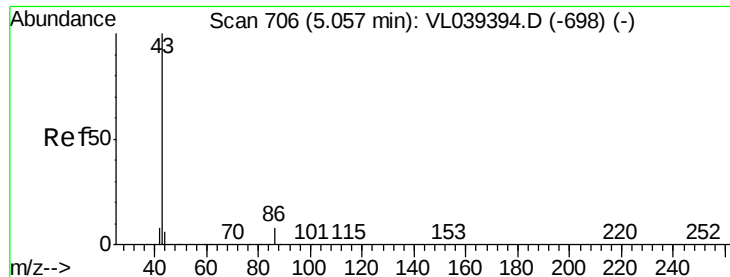
Tot Ion	Ratio	Lower	Upper
41	100		
76	29.5	24.4	36.6
39	78.6	63.5	95.3



#22
 trans-1,2-Dichloroethene
 Concen: 9.866 ppbv
 RT: 4.90 min Scan# 657
 Delta R.T. 0.03 min
 Lab File: VL039440.D
 Acq: 6 Jul 2022 9:53

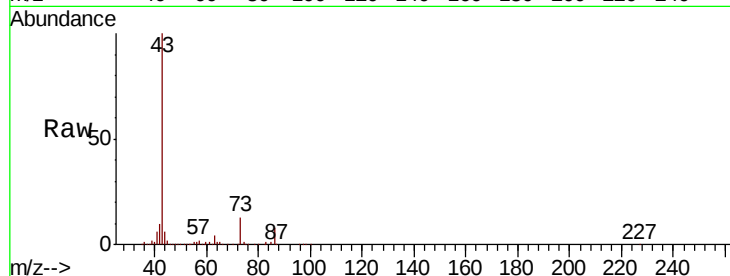
Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.9	130.6	195.8
98	63.6	53.4	80.0



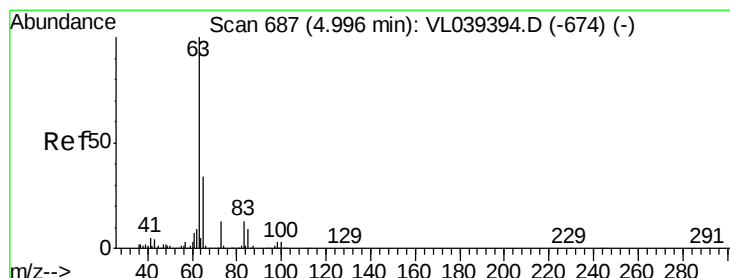
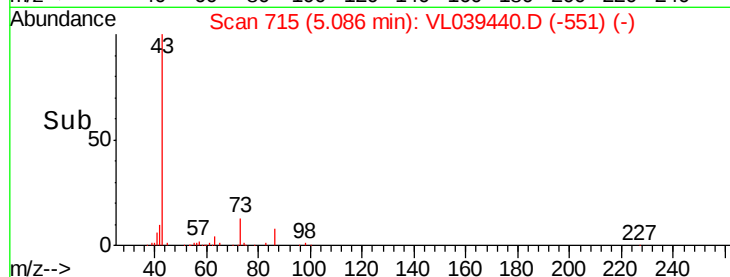
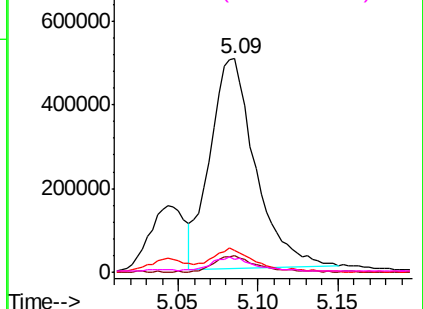


#23
 Vinyl Acetate
 Concen: 10.566 ppbv
 RT: 5.09
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 6 Jul 2022 9:53

Tot Ion:	43	Resp:	983335
Ion	Ratio	Lower	Upper
43	100		
86	7.5	5.0	7.6
42	10.4	7.7	11.5
44	5.4	4.6	7.0

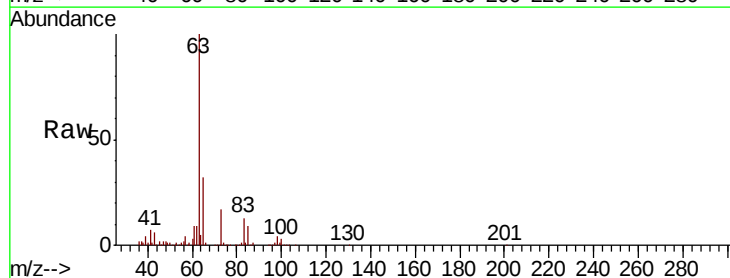


Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0

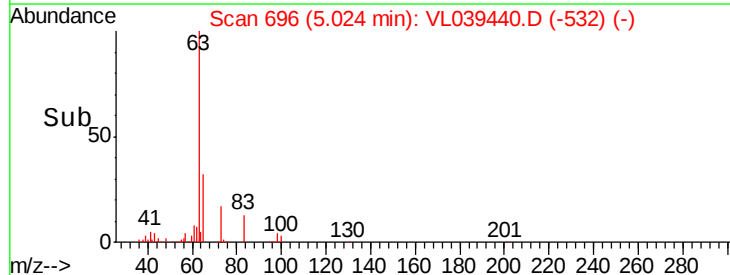
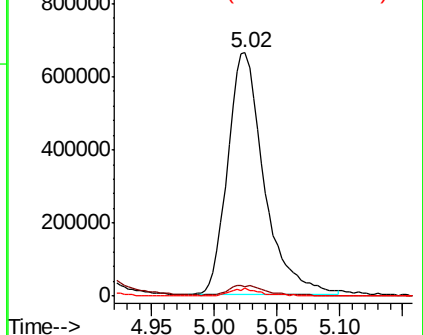


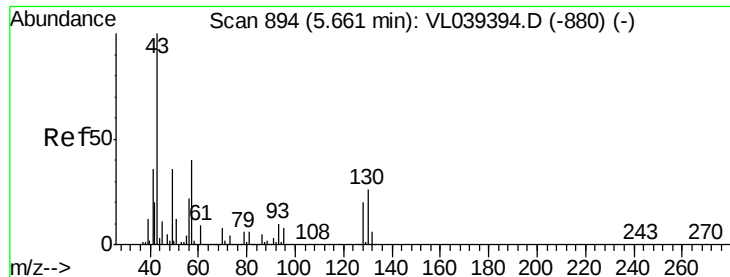
#24
 1,1-Dichloroethane
 Concen: 10.179 ppbv
 RT: 5.02 min Scan# 696
 Delta R.T.: 0.03 min
 Lab File: VL039440.D
 Acq: 6 Jul 2022 9:53

Tgt Ion:	63	Resp:	1337878
Ion	Ratio	Lower	Upper
63	100		
98	3.7	1.8	5.3
100	3.0	1.5	4.4



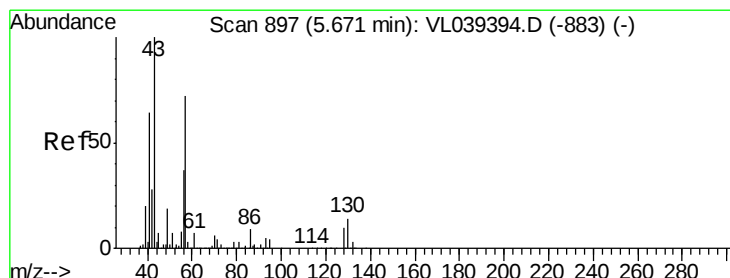
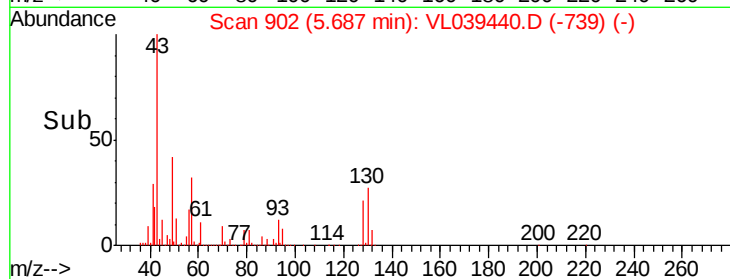
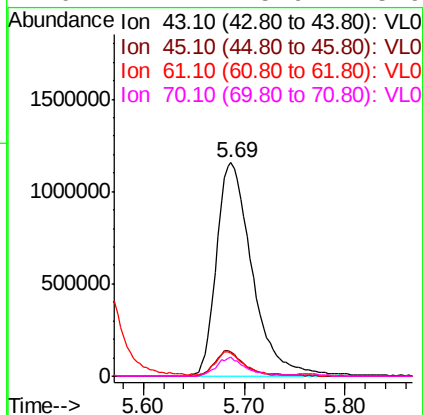
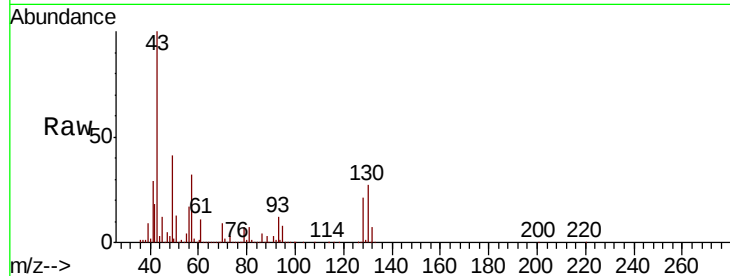
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0





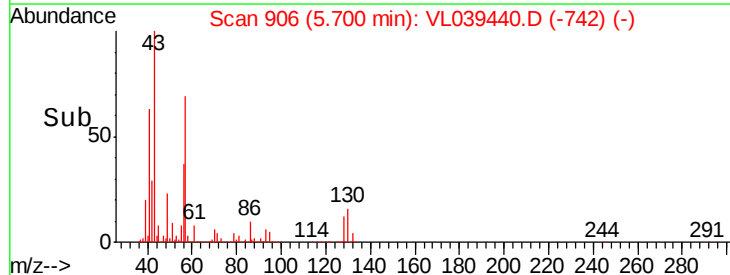
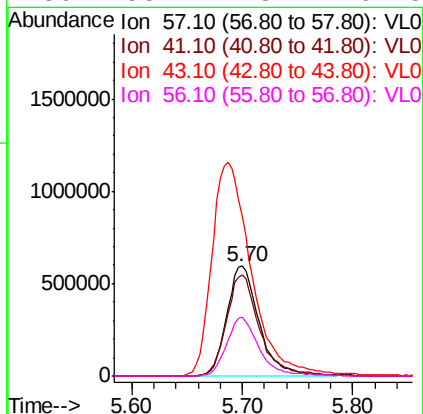
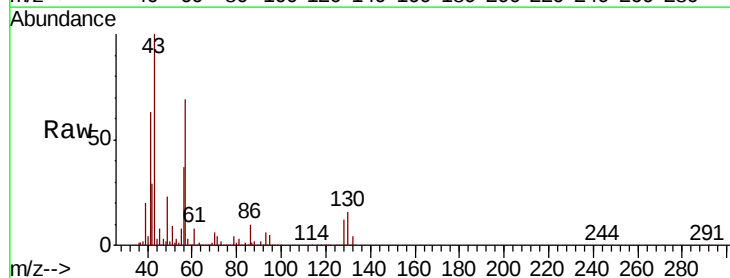
#25
Ethyl Acetate
Concen: 9.923 ppbv
RT: 5.69
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 6 Jul 2022 9:53

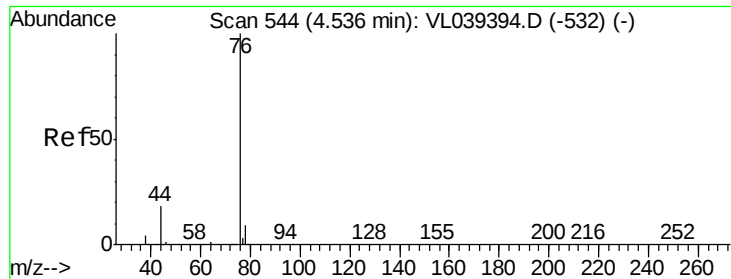
Tot Ion:	43	Resp:	2833491
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.4
61	9.8	8.3	12.5
70	7.1	5.9	8.9



#26
Hexane
Concen: 10.572 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.03 min
Lab File: VL039440.D
Acq: 6 Jul 2022 9:53

Tgt Ion:	57	Resp:	1216898
Ion	Ratio	Lower	Upper
57	100		
41	93.9	76.9	115.3
43	235.9	191.0	286.6
56	53.4	43.2	64.8





#27

Carbon Disulfide

Concen: 10.551 ppbv

RT: 4.56 Instrument: MSVOA_L

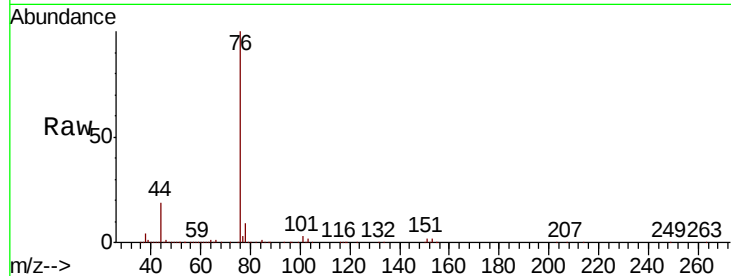
Delta R.T.

Lab File: ClientSampleId:

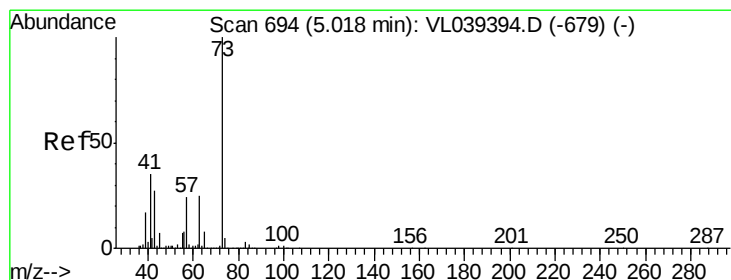
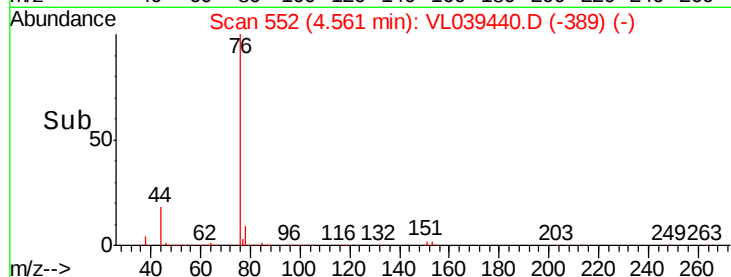
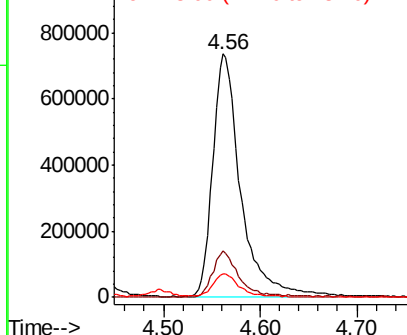
Acq: 6 Jul 2022 9:53 VSTDCCC010EC

Tot Ion: 76 Resp: 1465910

Ion	Ratio	Lower	Upper
76	100		
44	17.9	14.6	21.8
78	9.9	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: 10.171 ppbv

RT: 5.04 min Scan# 702

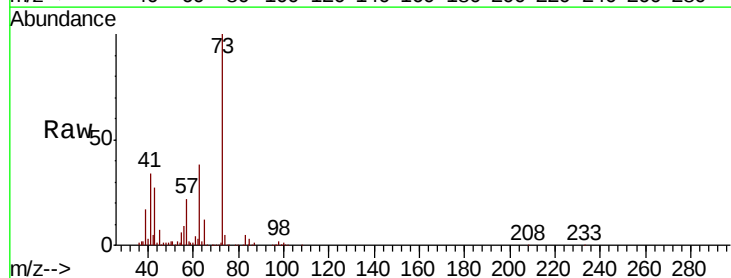
Delta R.T. 0.03 min

Lab File: VL039440.D

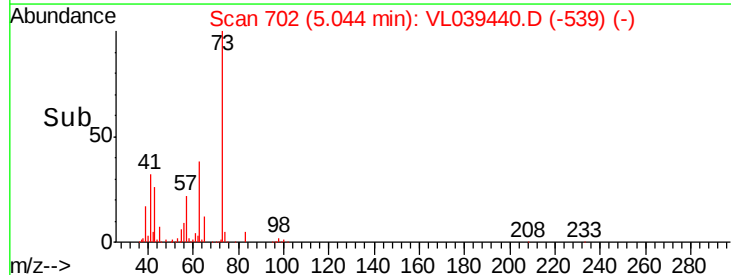
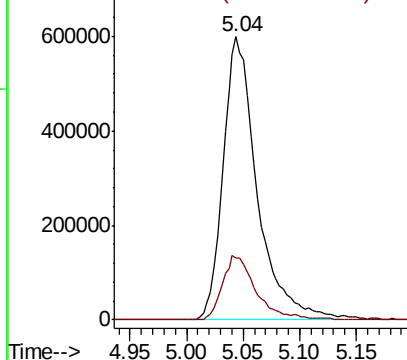
Acq: 6 Jul 2022 9:53

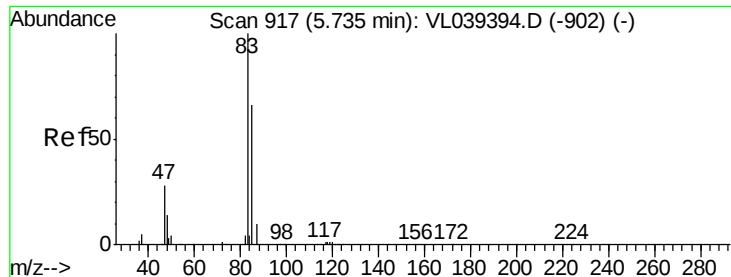
Tgt Ion: 73 Resp: 1251792

Ion	Ratio	Lower	Upper
73	100		
57	22.8	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: 9.619 ppbv

RT: 5.76 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

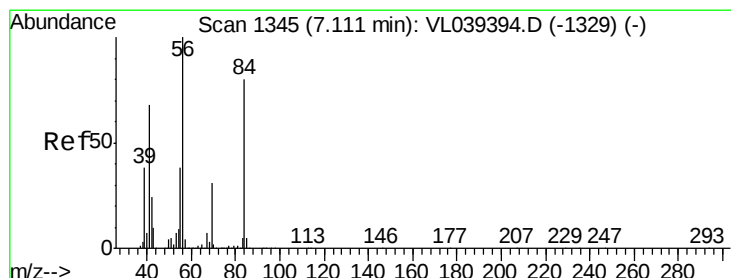
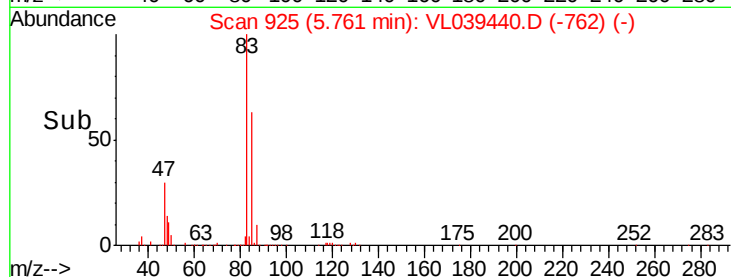
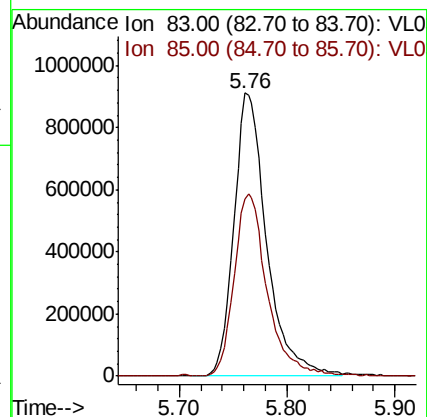
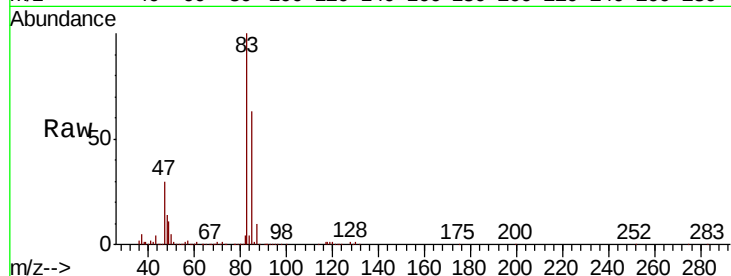
Acq: 6 Jul 2022 9:53 VSTDCCC010EC

Tot Ion: 83 Resp: 1925255

Ion Ratio Lower Upper

83 100

85 62.5 52.8 79.2



#30

Cyclohexane

Concen: 9.929 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. 0.03 min

Lab File: VL039440.D

Acq: 6 Jul 2022 9:53

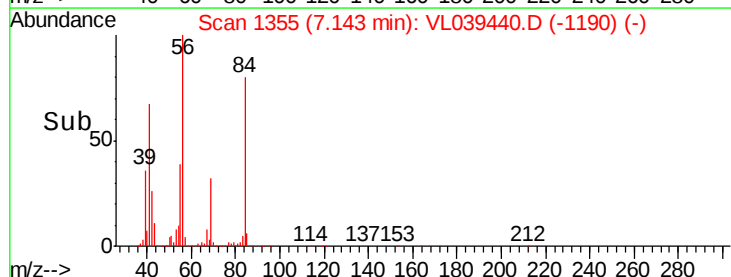
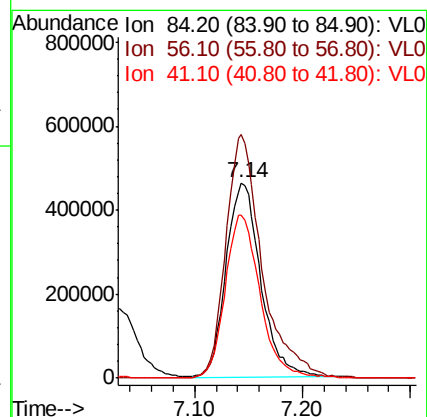
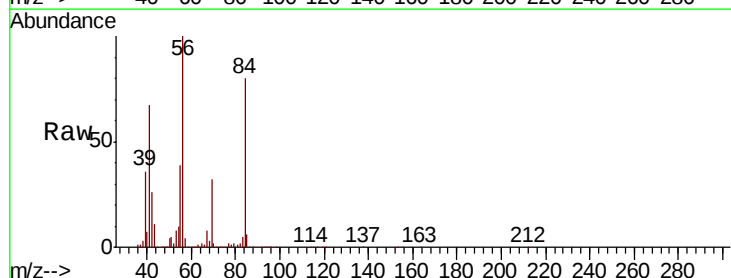
Tgt Ion: 84 Resp: 1040507

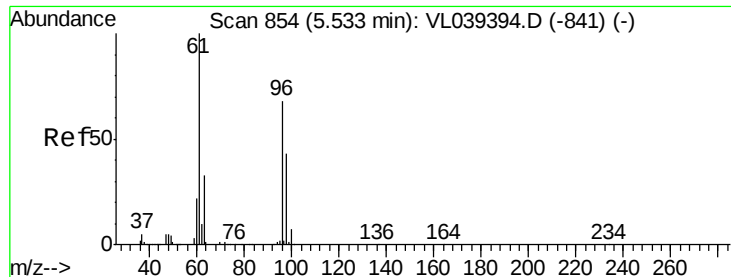
Ion Ratio Lower Upper

84 100

56 131.2 107.7 161.5

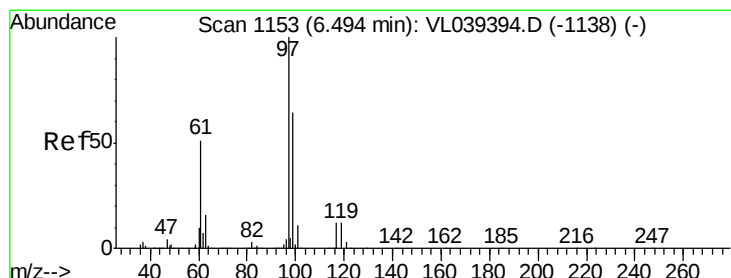
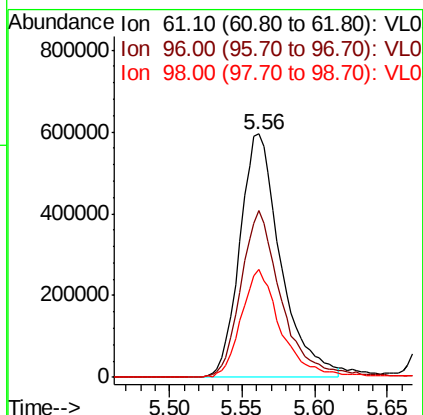
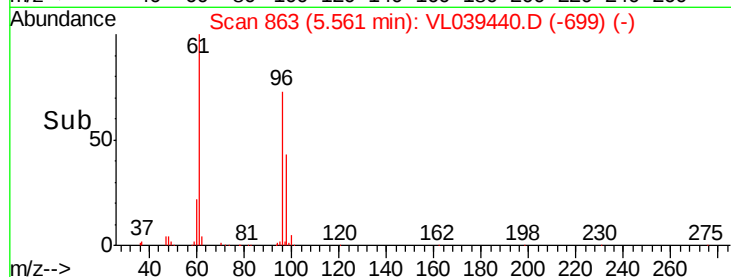
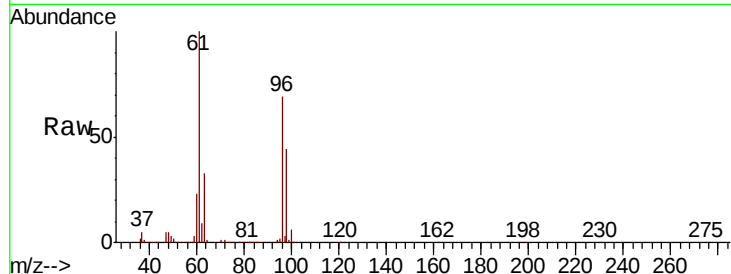
41 84.2 67.7 101.5





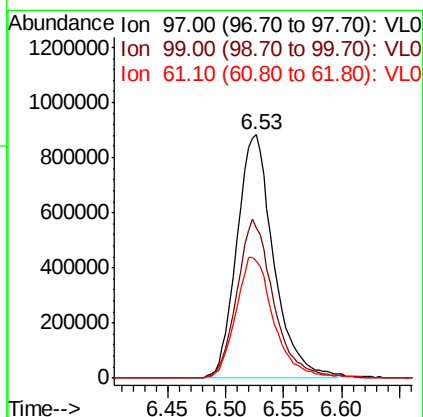
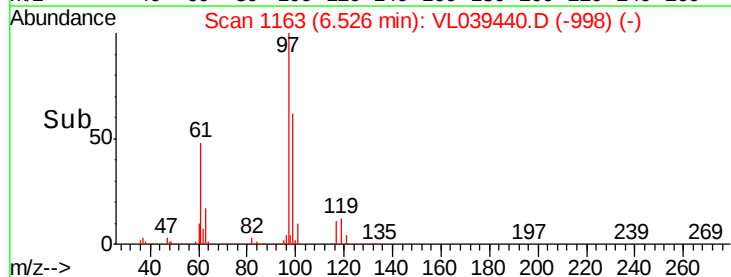
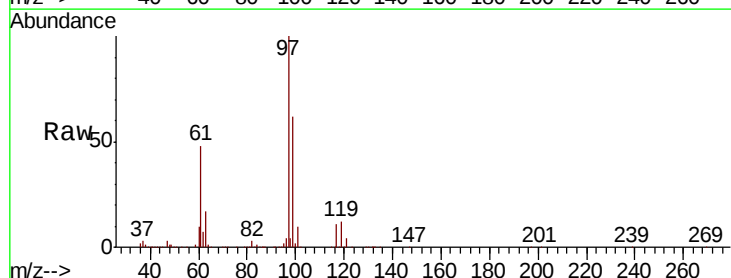
#31
 cis-1,2-Dichloroethene
 Concen: 9.525 ppbv
 RT: 5.56
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 6 Jul 2022 9:53

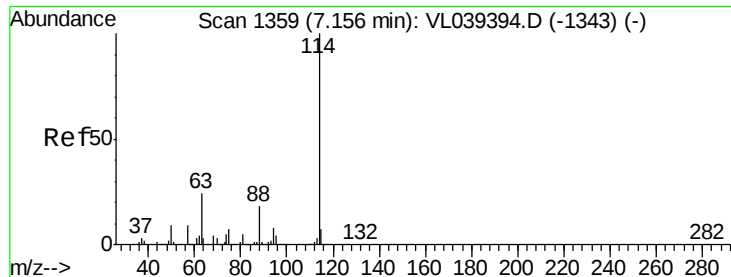
Tot Ion: 61 Resp: 1163316
 Ion Ratio Lower Upper
 61 100
 96 68.7 54.1 81.1
 98 44.2 34.6 52.0



#32
 1,1,1-Trichloroethane
 Concen: 9.852 ppbv
 RT: 6.53 min Scan# 1163
 Delta R.T. 0.03 min
 Lab File: VL039440.D
 Acq: 6 Jul 2022 9:53

Tgt Ion: 97 Resp: 1946370
 Ion Ratio Lower Upper
 97 100
 99 64.9 52.3 78.5
 61 51.0 40.9 61.3

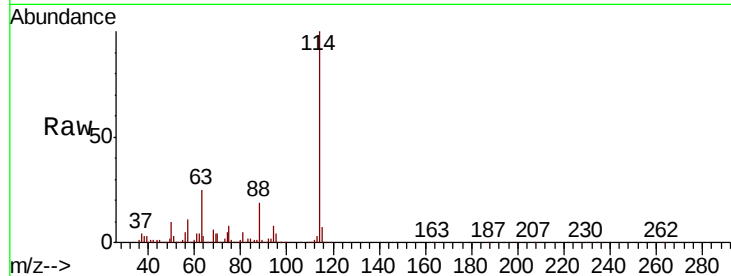




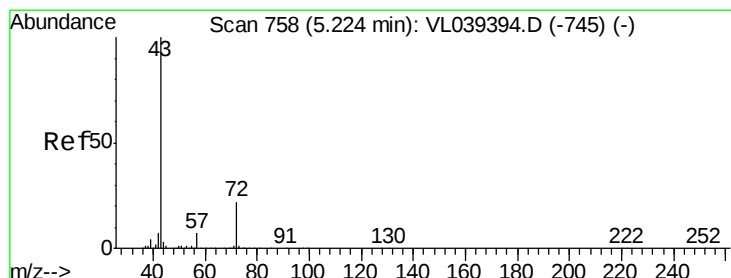
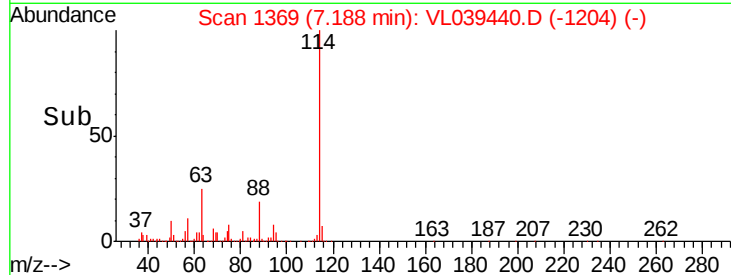
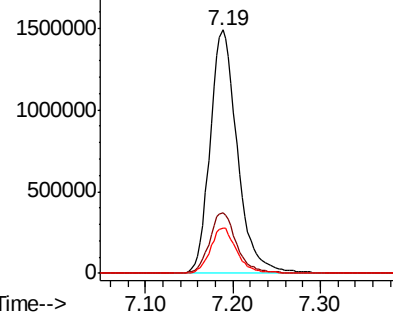
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 6 Jul 2022 9:55

Tot Ion:114 Resp: 3223192

Ion	Ratio	Lower	Upper
114	100		
63	25.3	20.2	30.4
88	18.1	14.5	21.7



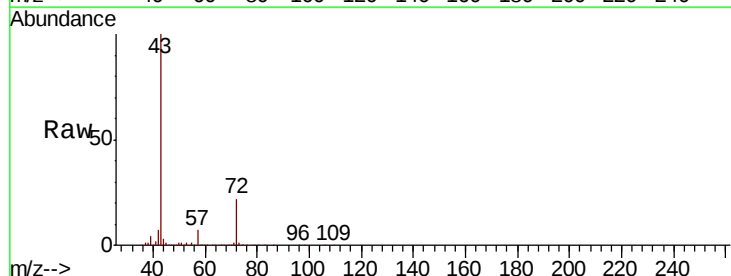
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



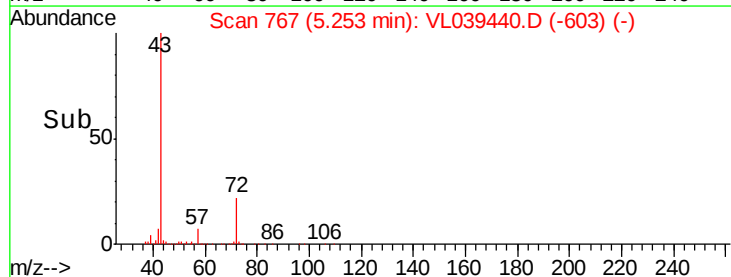
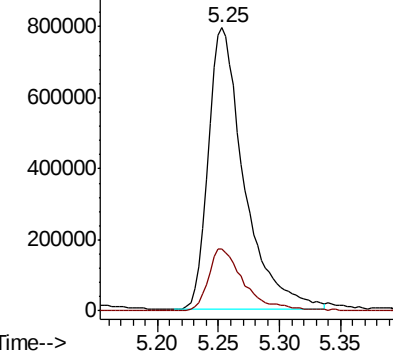
#34
 2-Butanone
 Concen: 10.161 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T.: 0.03 min
 Lab File: VL039440.D
 Acq: 6 Jul 2022 9:53

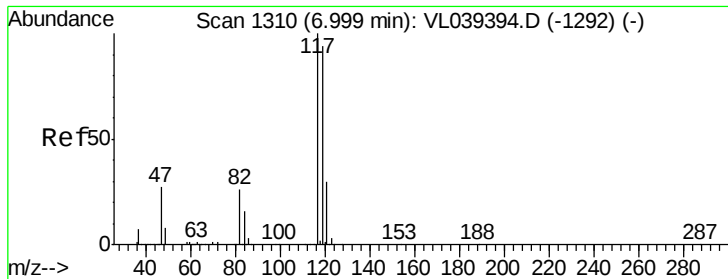
Tgt Ion: 43 Resp: 1648555

Ion	Ratio	Lower	Upper
43	100		
72	22.3	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: 10.441 ppbv

RT: 7.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 Jul 2022 9:53

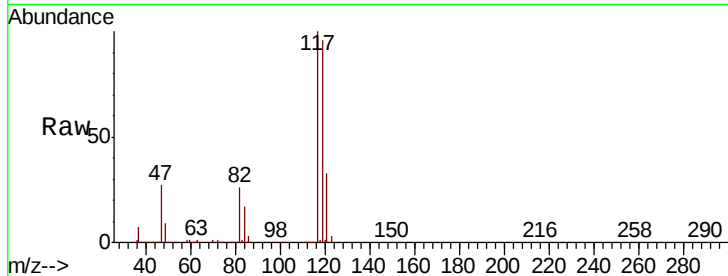
Tot Ion:117 Resp: 2079568

Ion Ratio Lower Upper

117 100

119 95.8 75.4 113.2

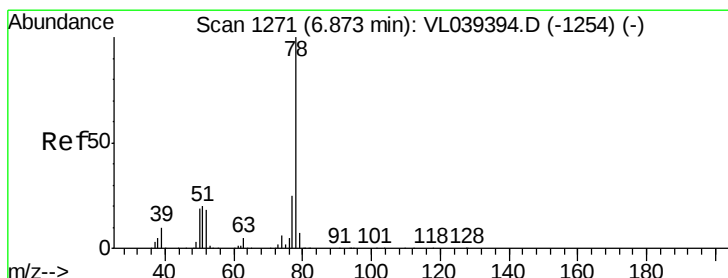
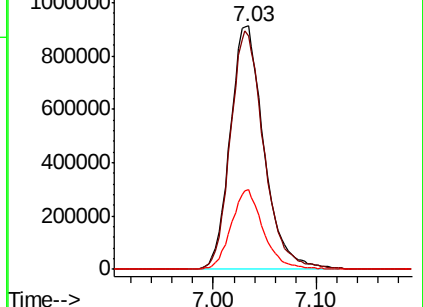
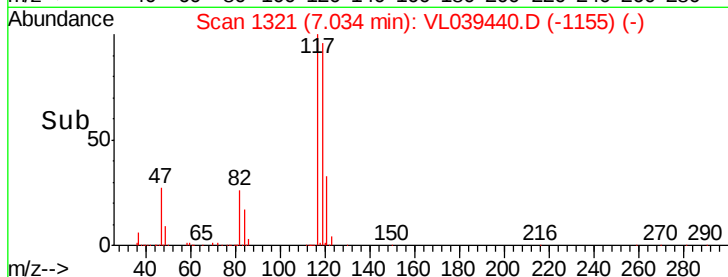
121 32.8 24.2 36.2



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: 9.884 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.03 min

Lab File: VL039440.D

Acq: 6 Jul 2022 9:53

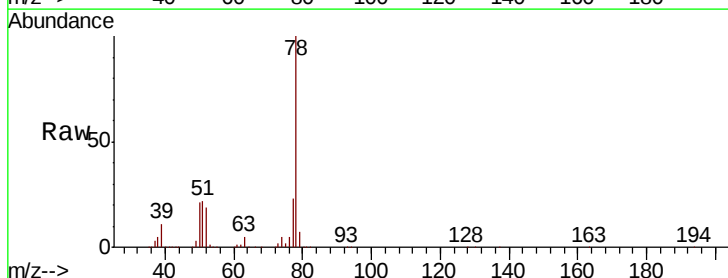
Tgt Ion: 78 Resp: 2465707

Ion Ratio Lower Upper

78 100

77 23.5 20.3 30.5

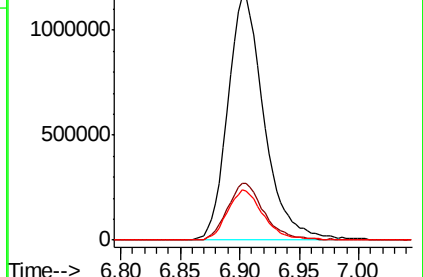
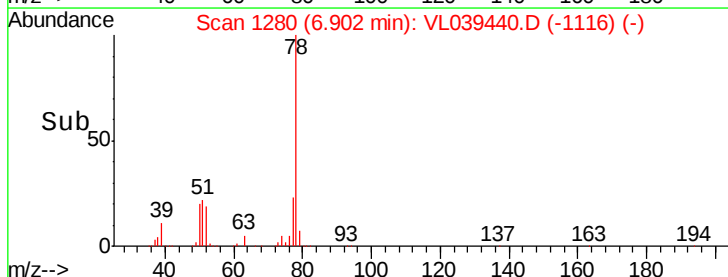
50 20.5 15.5 23.3

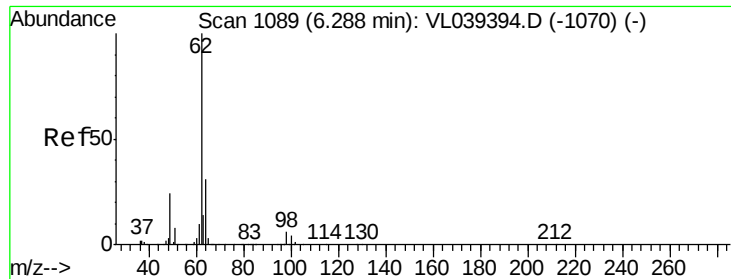


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

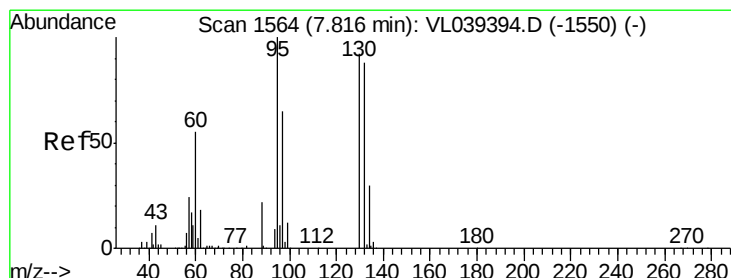
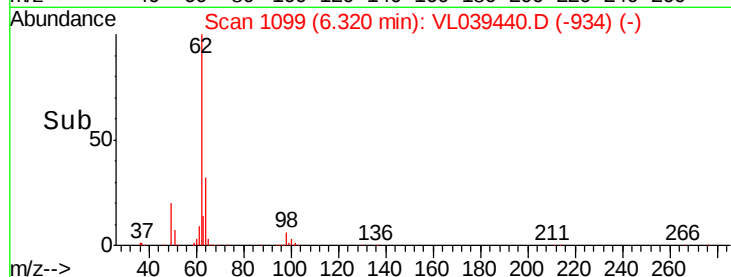
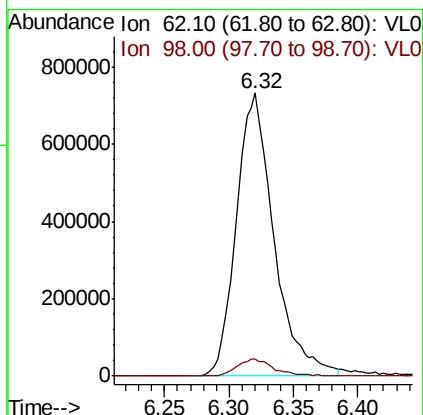
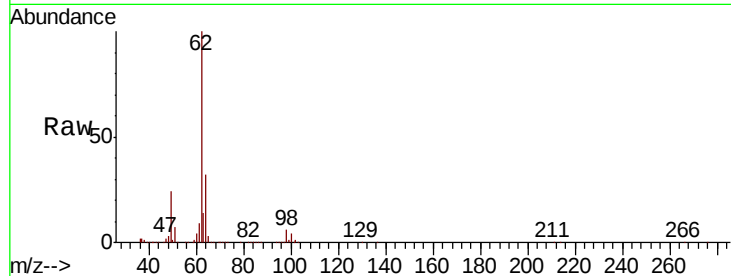
Ion 50.10 (49.80 to 50.80): VL0





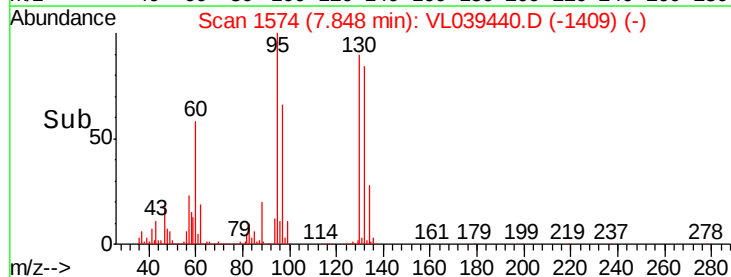
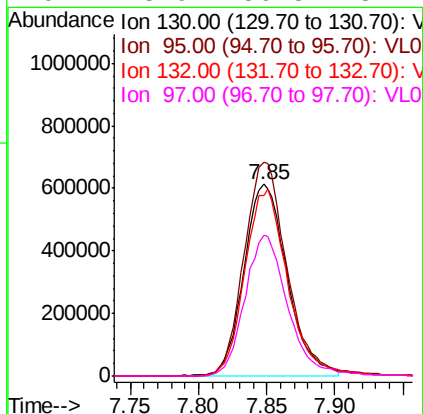
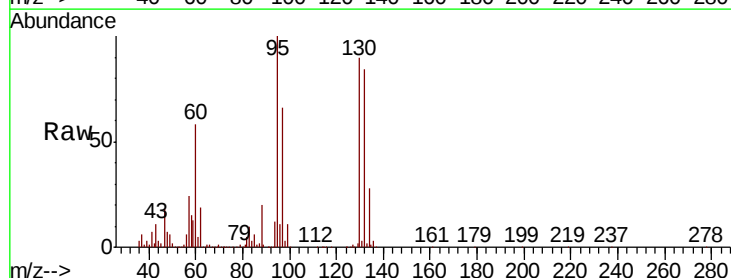
#37
 1,2-Dichloroethane
 Concen: 10.098 ppbv
 RT: 6.32
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 6 Jul 2022 9:53

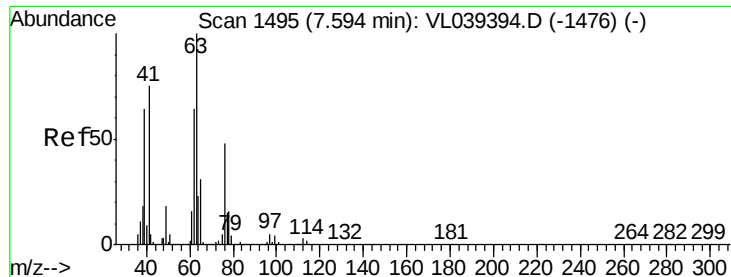
Tot Ion: 62 Resp: 1486832
 Ion Ratio Lower Upper
 62 100
 98 6.1 5.1 7.7



#38
 Trichloroethene
 Concen: 9.903 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.03 min
 Lab File: VL039440.D
 Acq: 6 Jul 2022 9:53

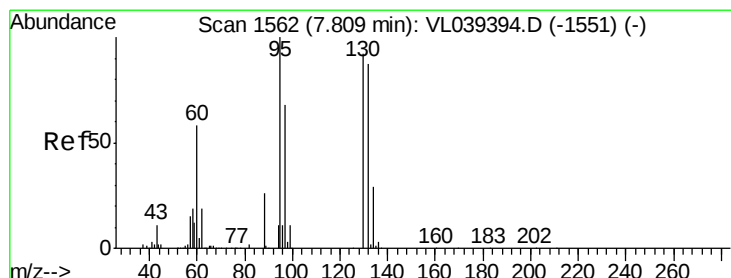
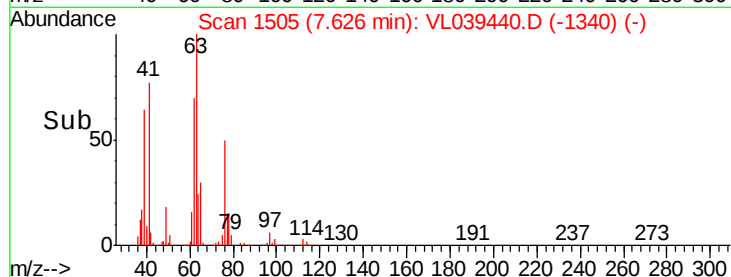
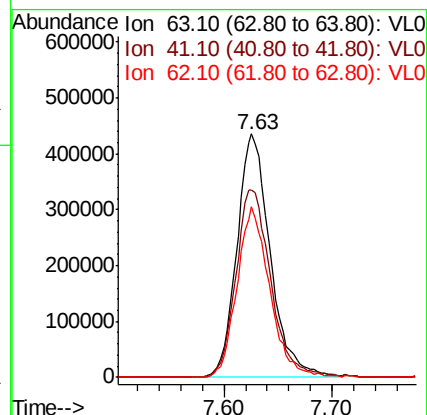
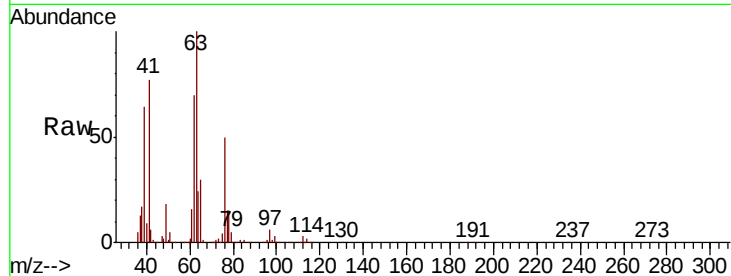
Tgt Ion:130 Resp: 1336153
 Ion Ratio Lower Upper
 130 100
 95 111.8 87.3 130.9
 132 94.2 76.7 115.1
 97 73.9 56.5 84.7





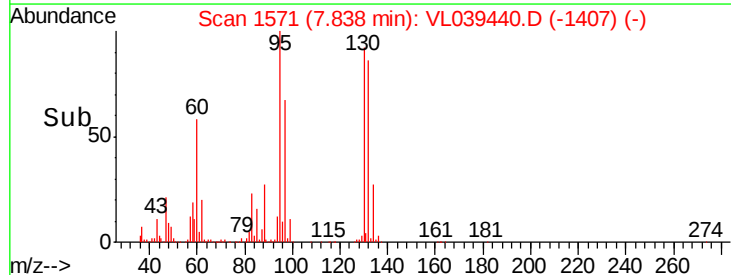
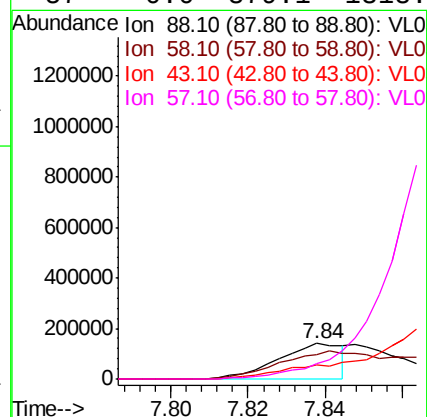
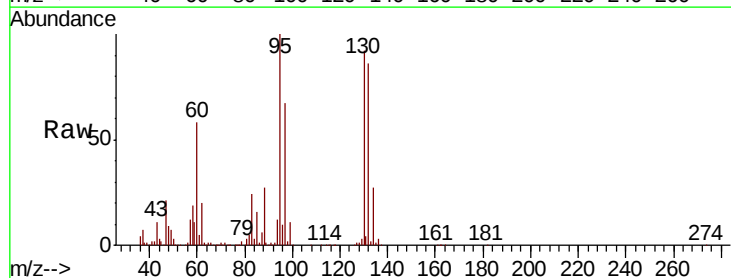
#39
 1,2-Dichloropropane
 Concen: 10.068 ppbv
 RT: 7.63
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 6 Jul 2022 9:53

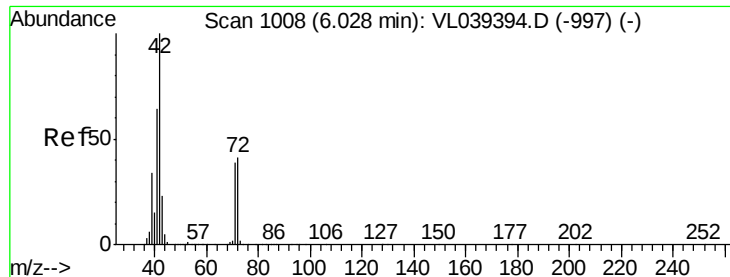
Tot Ion	Ratio	Lower	Upper
63	100		
41	77.0	59.6	89.4
62	69.8	51.4	77.0



#40
 1,4-Dioxane
 Concen: 4.359 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.03 min
 Lab File: VL039440.D
 Acq: 6 Jul 2022 9:53

Tgt Ion	Ratio	Lower	Upper
88	100		
58	111.4	100.2	150.4
43	0.0	205.8	308.6#
57	0.0	879.1	1318.7#





#41

Tetrahydrofuran

Concen: 10.034 ppbv

RT: 6.06 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 Jul 2022 9:53 VSTDCCC010EC

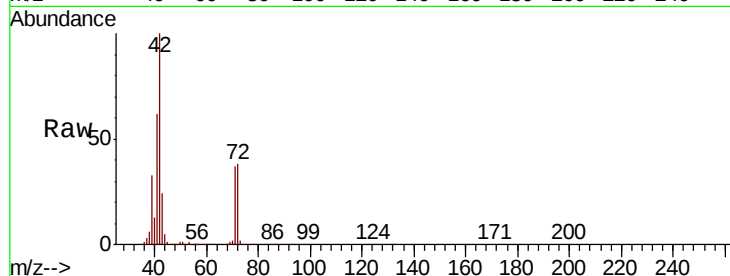
Tot Ion: 42 Resp: 943383

Ion Ratio Lower Upper

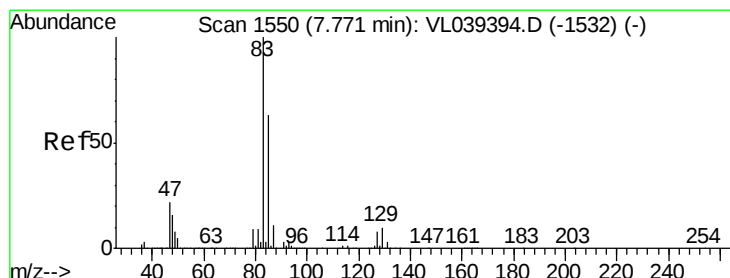
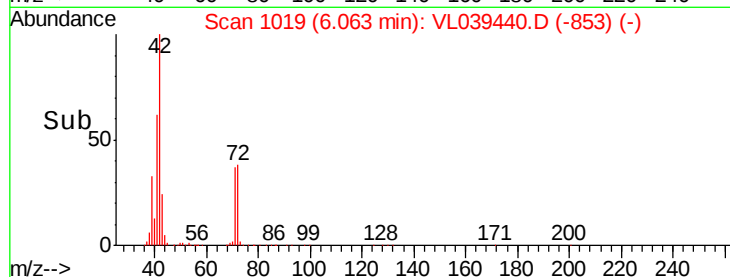
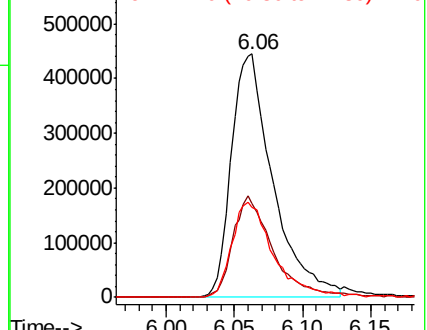
42 100

72 40.8 31.8 47.8

71 39.9 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: 10.524 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. 0.04 min

Lab File: VL039440.D

Acq: 6 Jul 2022 9:53

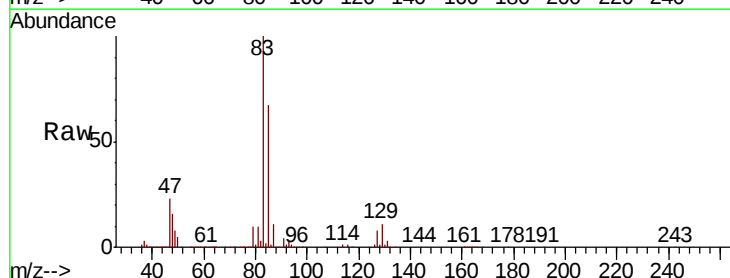
Tgt Ion: 83 Resp: 2089333

Ion Ratio Lower Upper

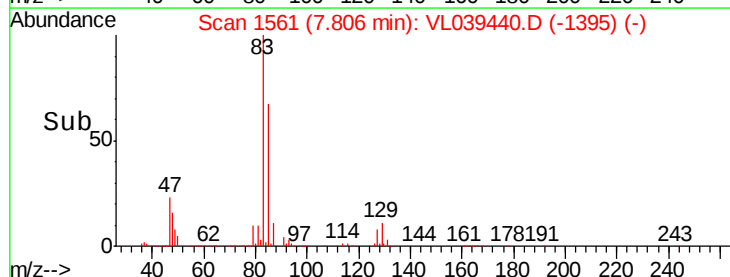
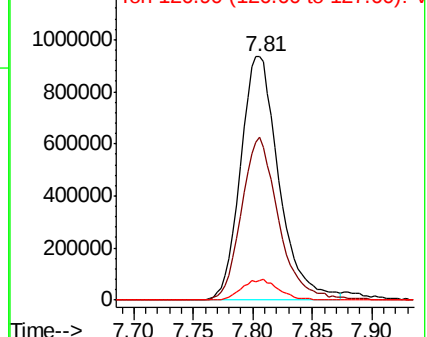
83 100

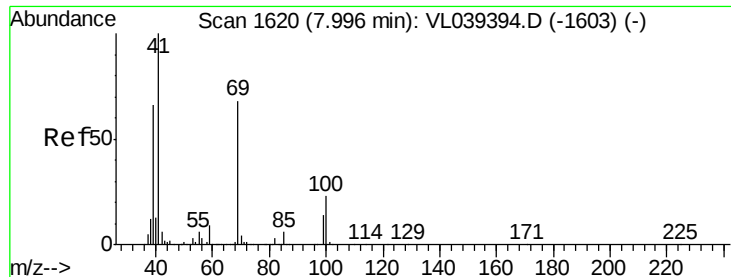
85 67.0 50.7 76.1

127 8.0 6.6 9.8



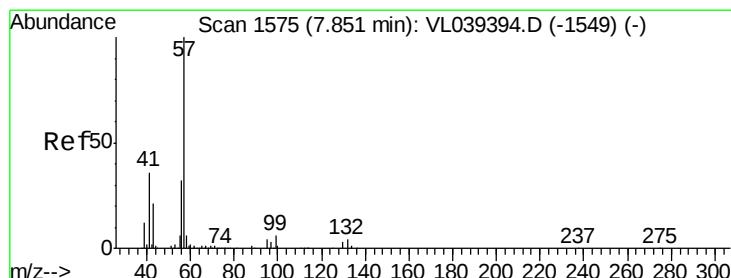
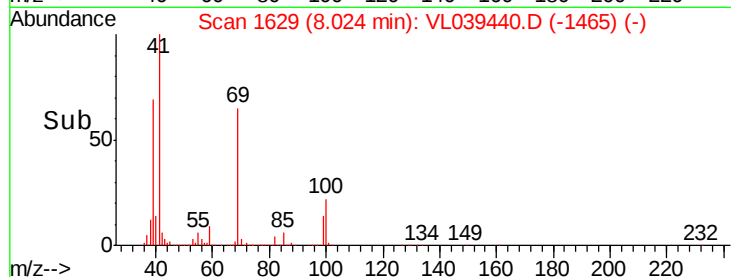
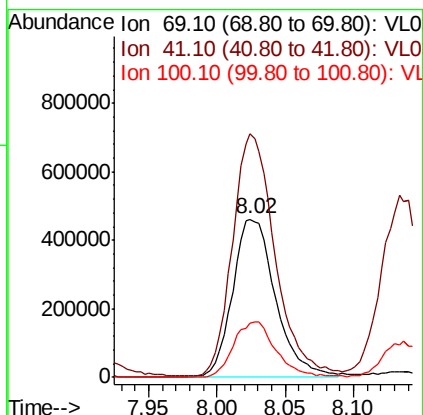
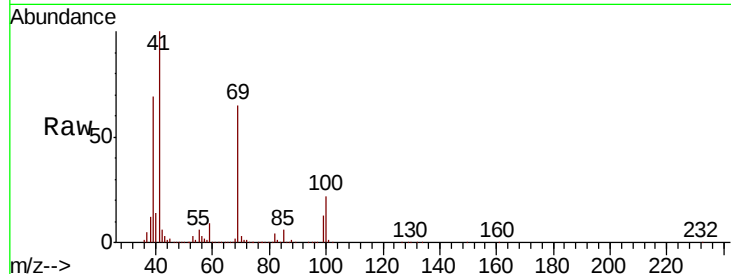
Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





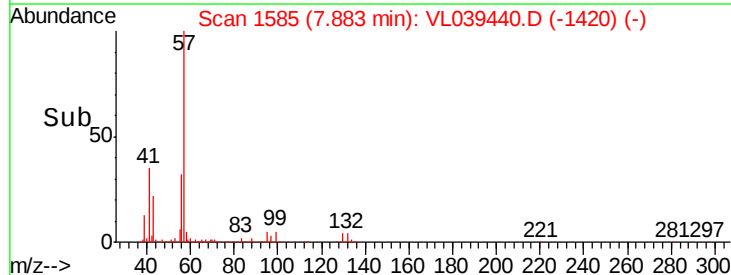
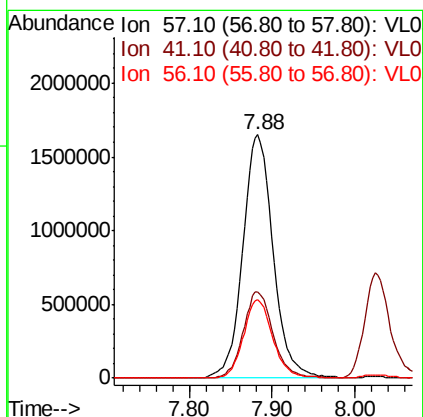
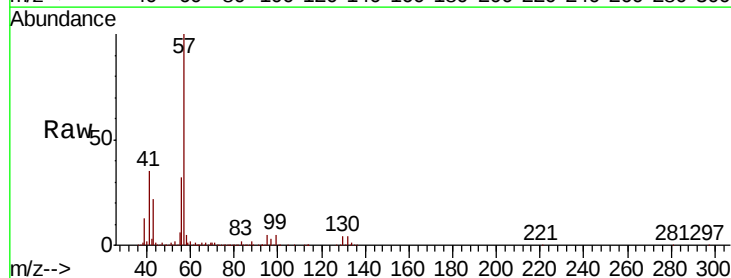
#43
Methyl Methacrylate
Concen: 10.646 ppbv
RT: 8.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010EC
Acq: 6 Jul 2022 9:55

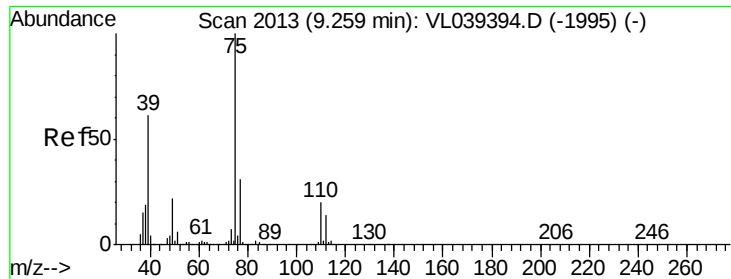
Tot Ion: 69 Resp: 1009814
Ion Ratio Lower Upper
69 100
41 152.6 120.8 181.2
100 34.9 27.8 41.6



#44
2,2,4-Trimethylpentane
Concen: 9.921 ppbv
RT: 7.88 min Scan# 1585
Delta R.T.: 0.03 min
Lab File: VL039440.D
Acq: 6 Jul 2022 9:53

Tgt Ion: 57 Resp: 4193890
Ion Ratio Lower Upper
57 100
41 34.8 27.4 41.2
56 31.2 24.5 36.7





#45

t-1,3-Dichloropropene

Concen: 12.032 ppbv

RT: 9.29 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

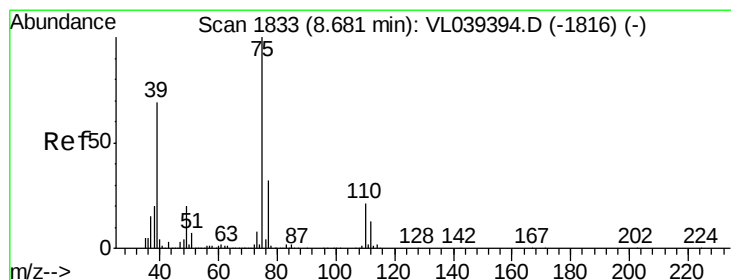
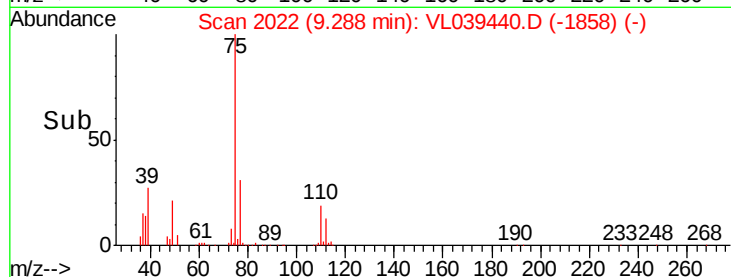
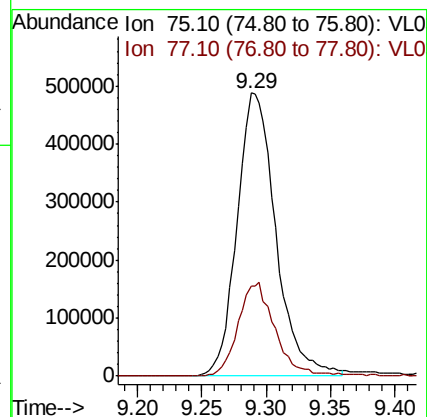
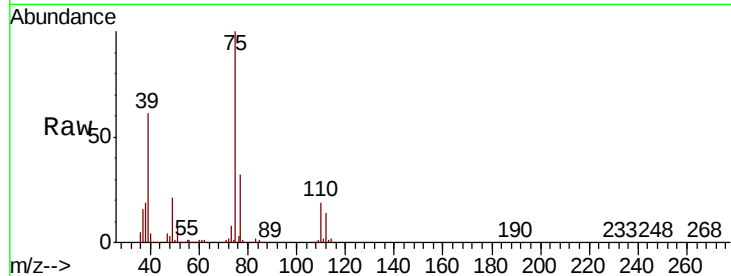
Acq: 6 Jul 2022 9:53 VSTDCCC010EC

Tot Ion: 75 Resp: 1016162

Ion Ratio Lower Upper

75 100

77 31.6 24.6 36.8



#46

cis-1,3-Dichloropropene

Concen: 11.352 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. 0.04 min

Lab File: VL039440.D

Acq: 6 Jul 2022 9:53

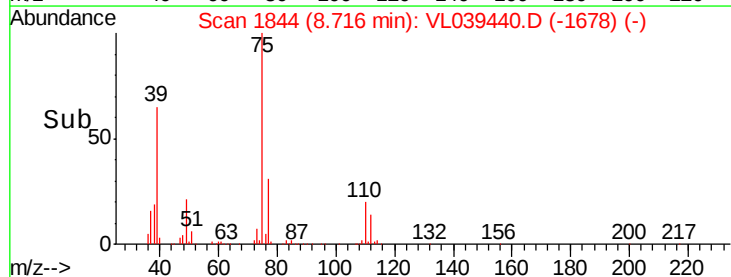
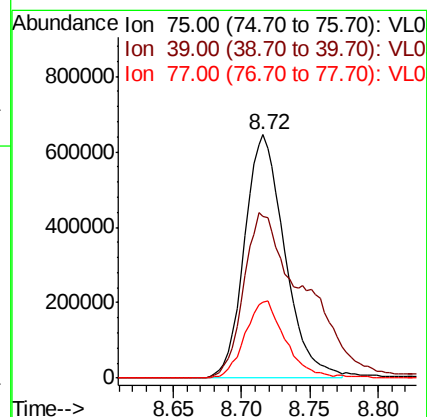
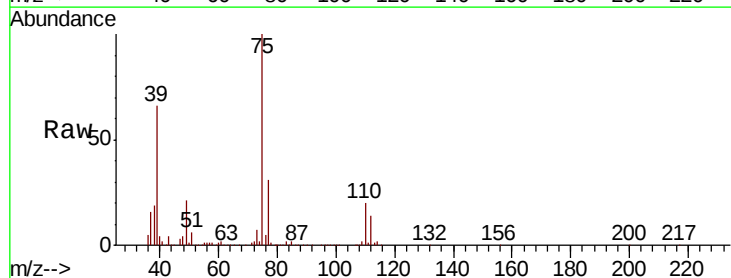
Tgt Ion: 75 Resp: 1319573

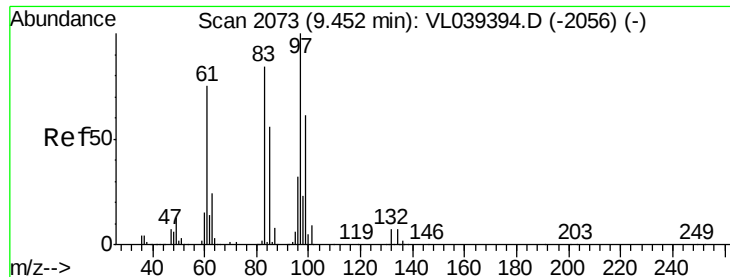
Ion Ratio Lower Upper

75 100

39 66.2 55.0 82.4

77 31.0 25.7 38.5

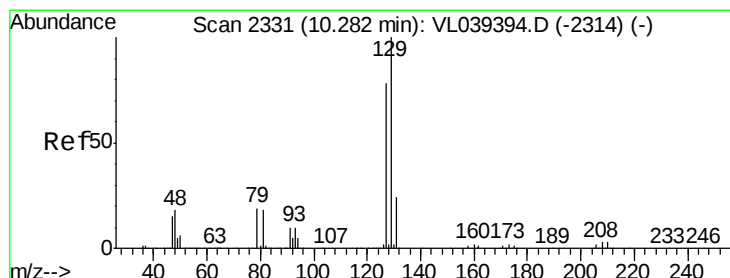
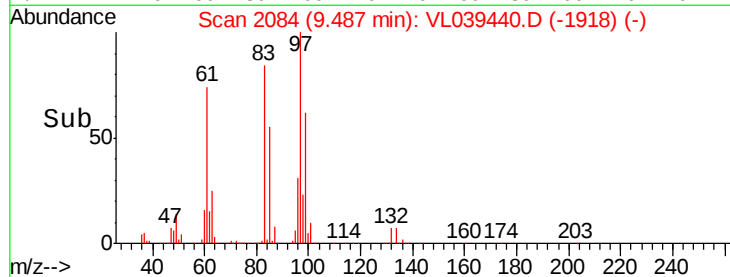
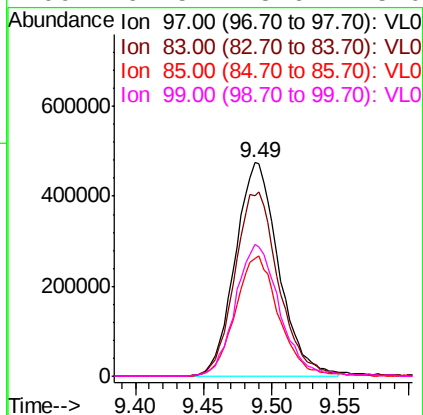
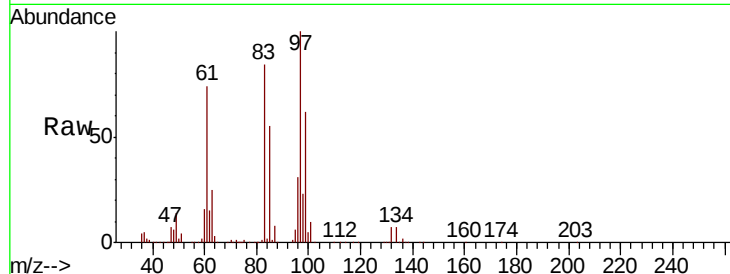




#47
 1,1,2-Trichloroethane
 Concen: 10.036 ppbv
 RT: 9.49
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 6 Jul 2022 9:53

Tot Ion: 97 Resp: 1049419

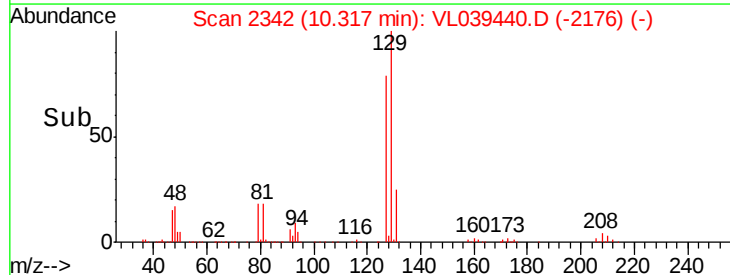
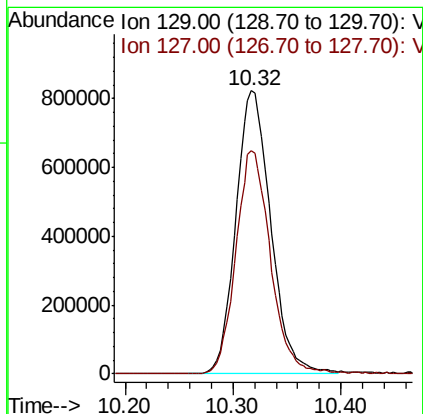
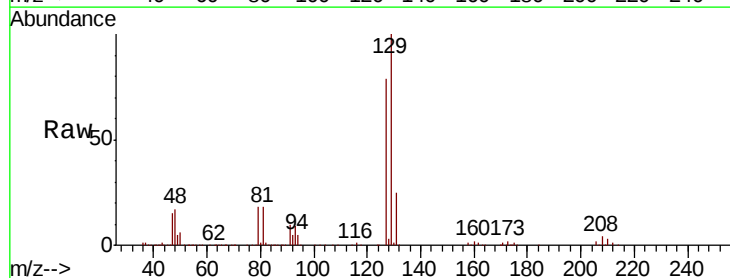
Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.4	101.0
85	54.8	45.1	67.7
99	61.5	48.6	73.0

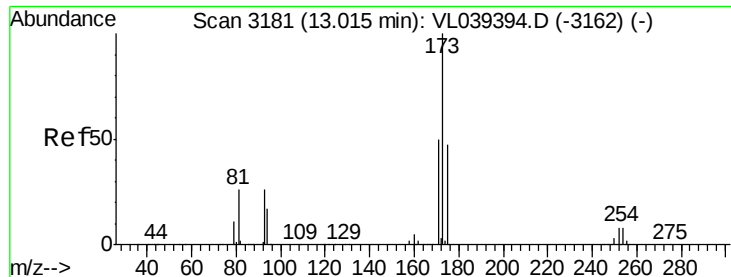


#48
 Dibromochloromethane
 Concen: 11.193 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. 0.04 min
 Lab File: VL039440.D
 Acq: 6 Jul 2022 9:53

Tgt Ion: 129 Resp: 1860291

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.3	117.9





#49

Bromoform

Concen: 11.604 ppbv

RT: 13.05

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 6 Jul 2022 9:53

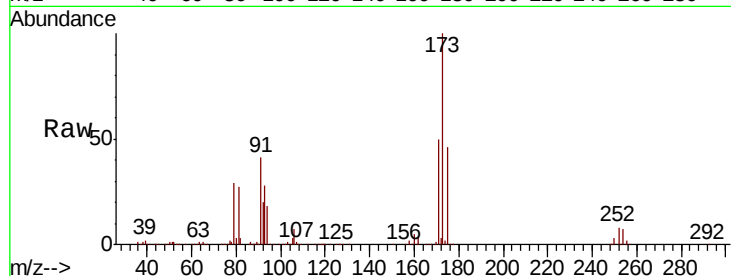
Tot Ion:173 Resp: 1555878

Ion Ratio Lower Upper

173 100

175 49.7 40.3 60.5

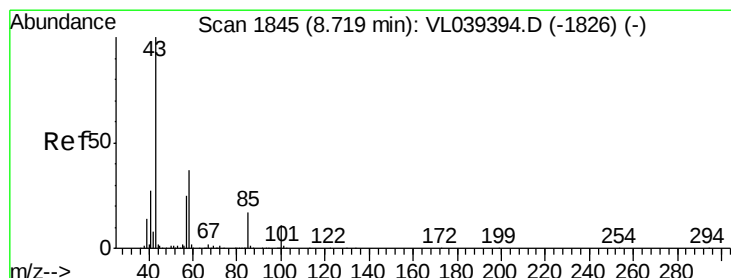
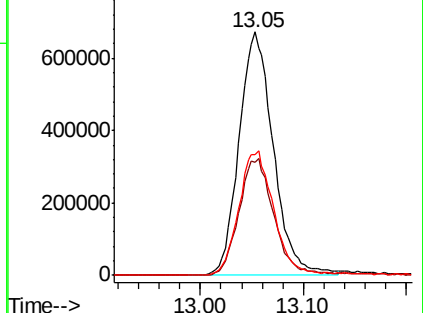
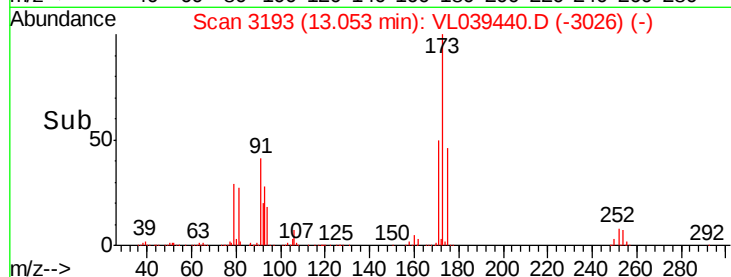
171 52.9 42.9 64.3



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: 10.784 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.04 min

Lab File: VL039440.D

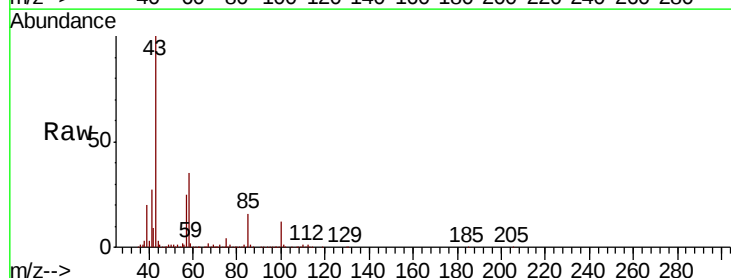
Acq: 6 Jul 2022 9:53

Tgt Ion: 43 Resp: 2645549

Ion Ratio Lower Upper

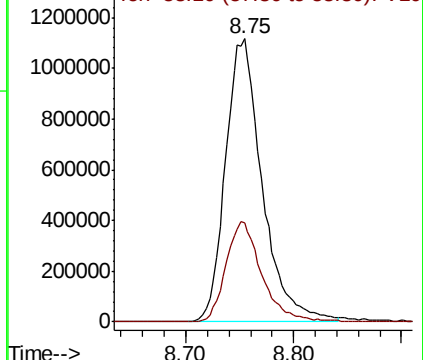
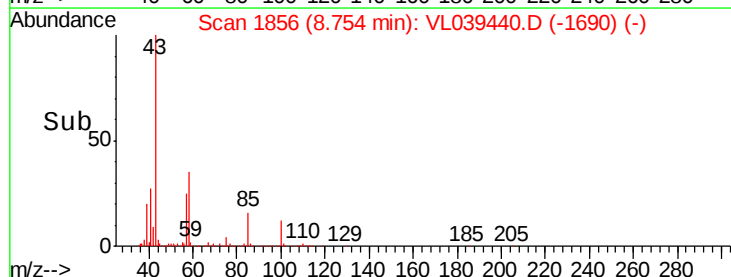
43 100

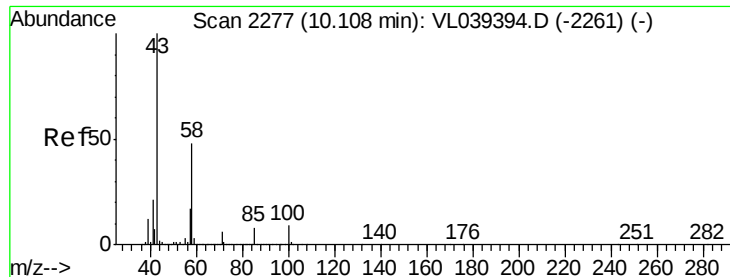
58 34.9 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

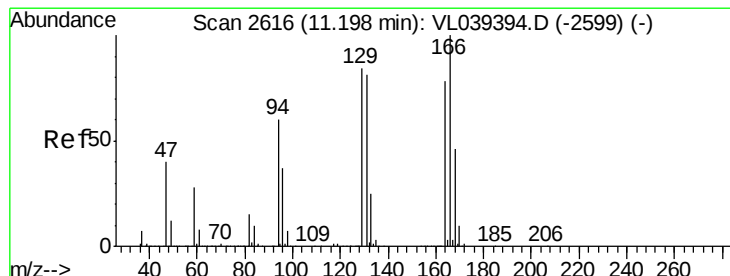
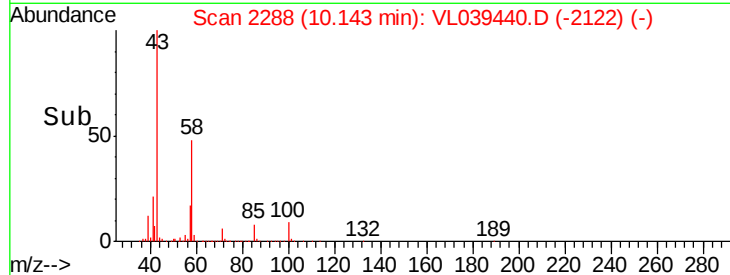
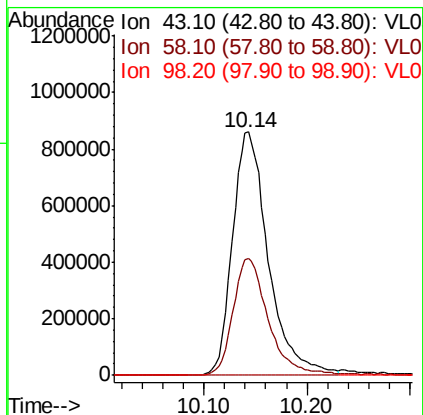
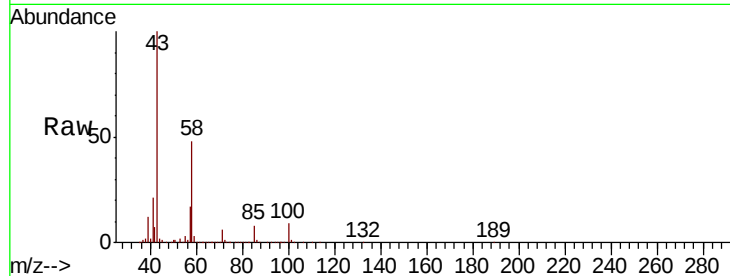
Ion 58.10 (57.80 to 58.80): VL0





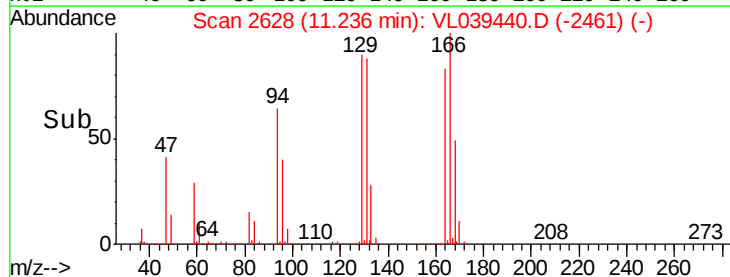
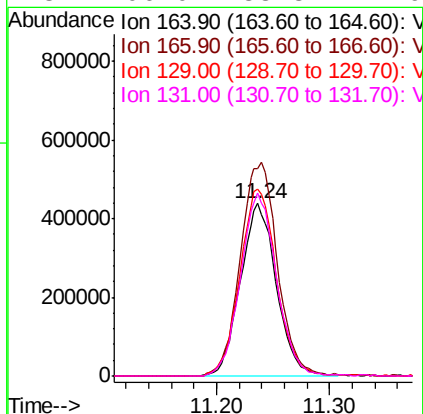
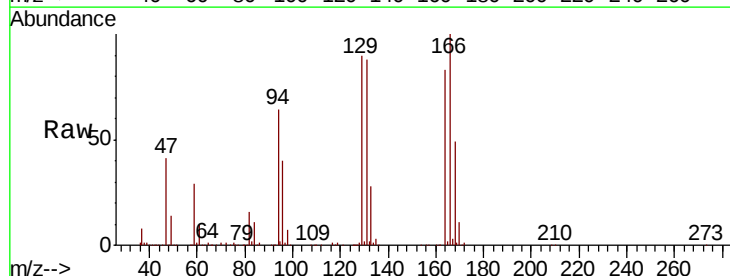
#51
2-Hexanone
Concen: 11.196 ppbv
RT: 10.14 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 6 Jul 2022 9:53
VSTDCCC010EC

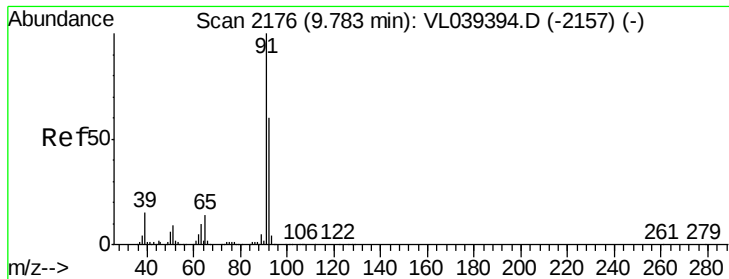
Tot Ion	Ratio	Lower	Upper
43	100		
58	47.9	38.4	57.6
98	0.5	0.3	0.5#



#52
Tetrachloroethene
Concen: 9.604 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. 0.04 min
Lab File: VL039440.D
Acq: 6 Jul 2022 9:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.5	102.2	153.2
129	108.2	85.8	128.8
131	106.0	83.3	124.9





#53

Toluene

Concen: 10.478 ppbv

RT: 9.82 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

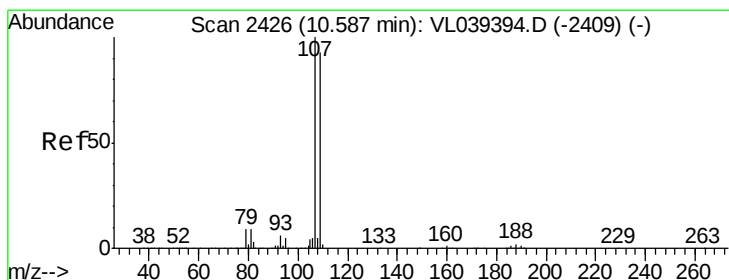
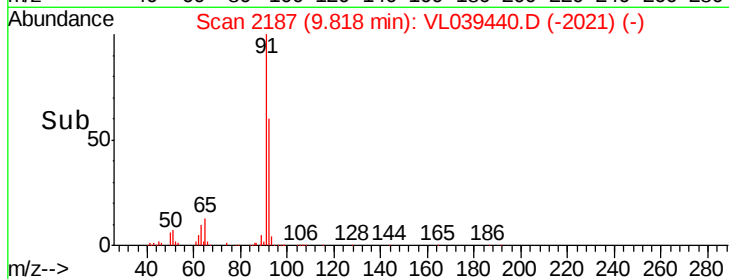
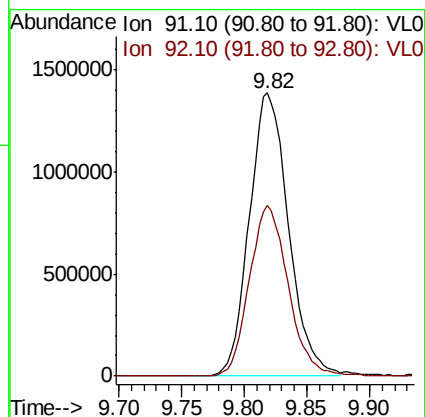
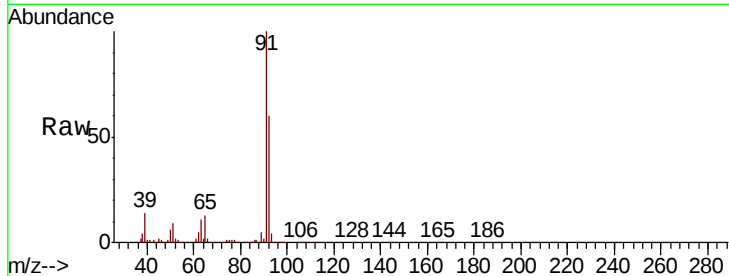
Acq: 6 Jul 2022 9:53 VSTDCCC010EC

Tot Ion: 91 Resp: 3015078

Ion Ratio Lower Upper

91 100

92 60.3 48.2 72.2



#54

1,2-Dibromoethane

Concen: 10.636 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. 0.04 min

Lab File: VL039440.D

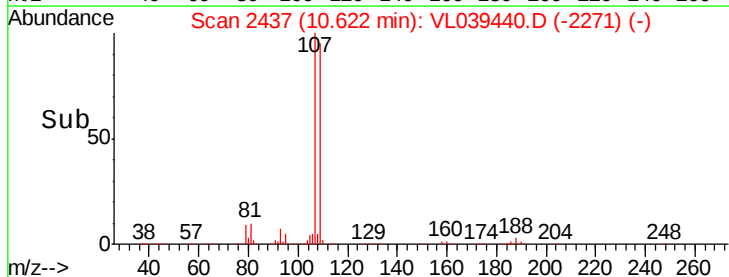
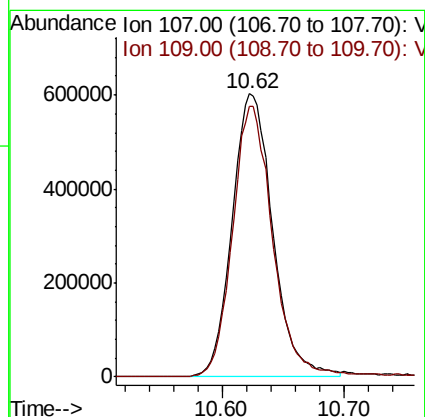
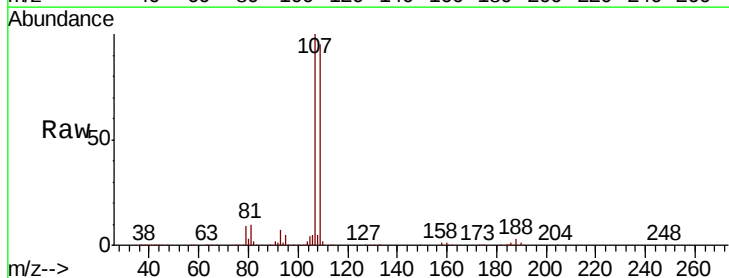
Acq: 6 Jul 2022 9:53

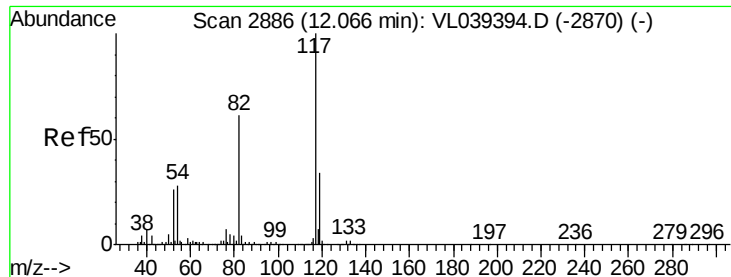
Tgt Ion: 107 Resp: 1383812

Ion Ratio Lower Upper

107 100

109 95.4 74.8 112.2

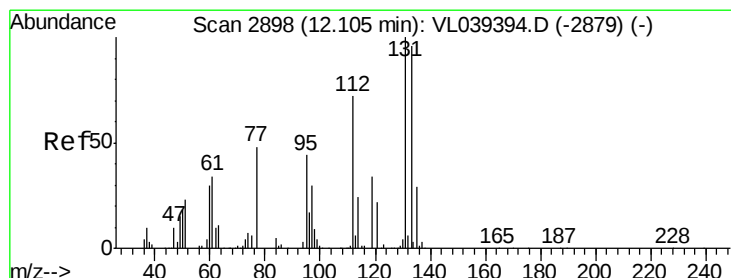
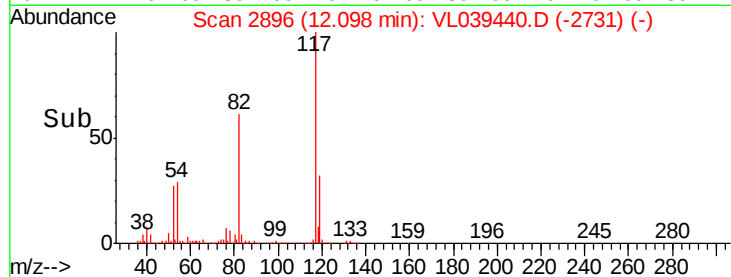
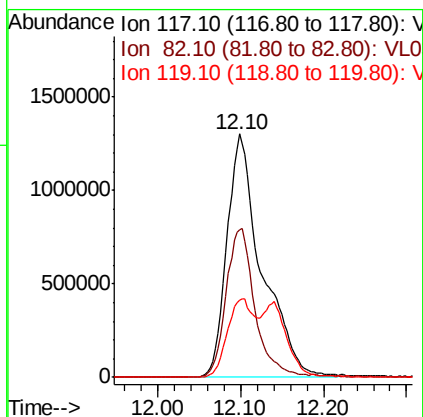
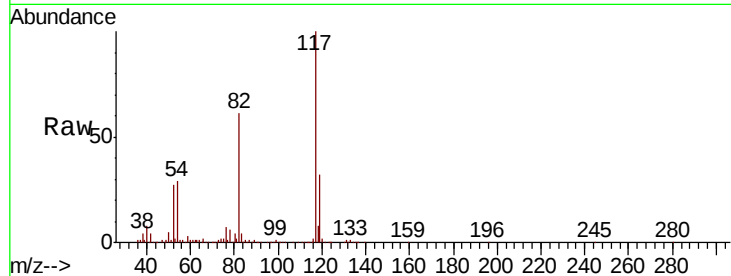




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min
 Instrument: MSVOA_1
 Delta R.T.: 0.03 min
 Lab File: ClientSampleId : VSTDCCC010EC
 Acq: 6 Jul 2022 9:53

Tot Ion:117 Resp: 3809683

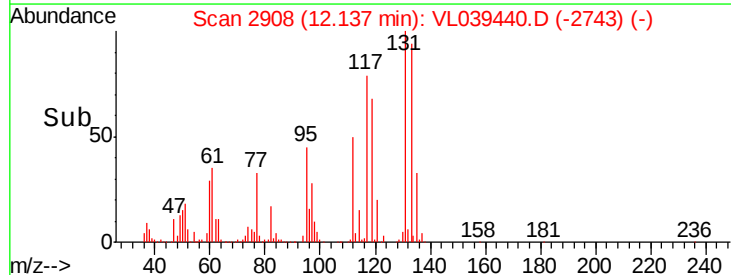
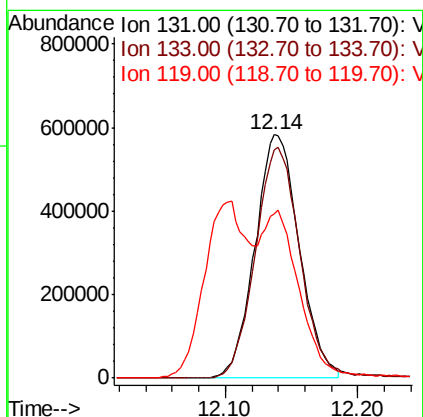
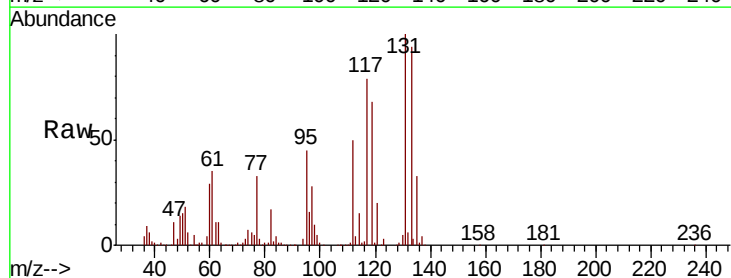
Ion	Ratio	Lower	Upper
117	100		
82	51.2	50.8	76.2
119	25.2	24.1	36.1

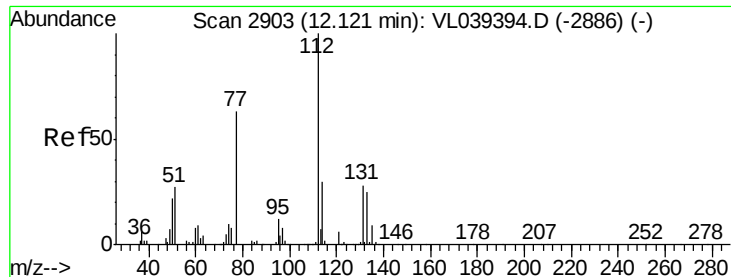


#56
 1,1,1,2-Tetrachloroethane
 Concen: 8.067 ppbv
 RT: 12.14 min Scan# 2908
 Delta R.T.: 0.03 min
 Lab File: VL039440.D
 Acq: 6 Jul 2022 9:53

Tgt Ion:131 Resp: 1357587

Ion	Ratio	Lower	Upper
131	100		
133	97.2	76.8	115.2
119	67.8	46.2	69.4





#57

Chlorobenzene

Concen: 7.993 ppbv

RT: 12.16

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 Jul 2022 9:53

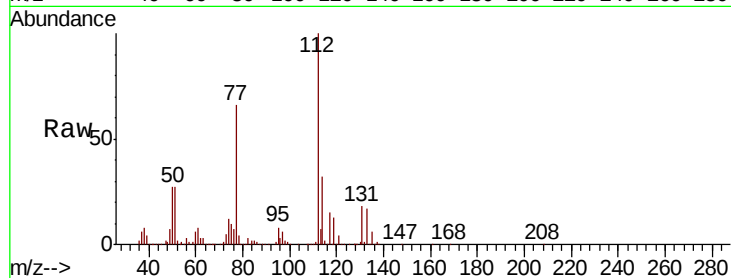
Tot Ion: 112 Resp: 2360706

Ion Ratio Lower Upper

112 100

77 65.5 51.0 76.4

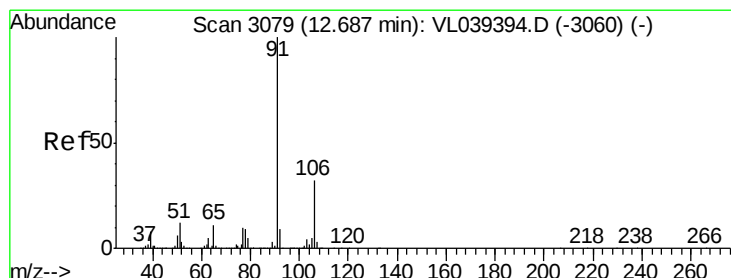
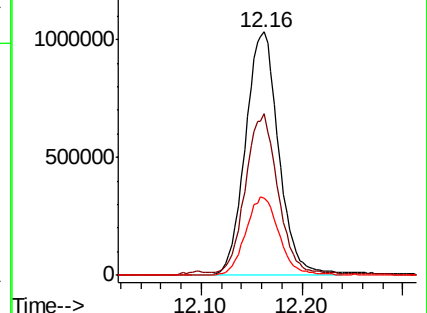
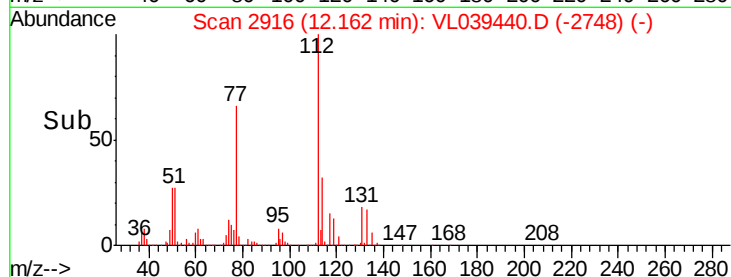
114 31.9 27.5 33.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.352 ppbv

RT: 12.72 min Scan# 3090

Delta R.T. 0.04 min

Lab File: VL039440.D

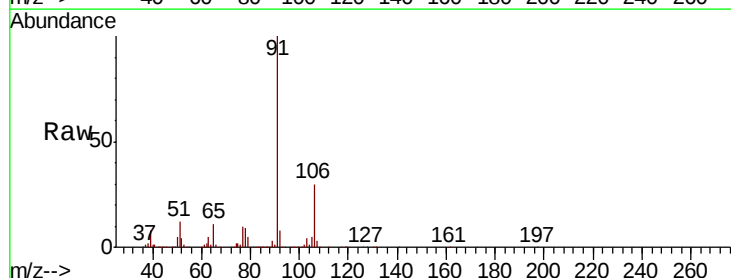
Acq: 6 Jul 2022 9:53

Tgt Ion: 91 Resp: 4108676

Ion Ratio Lower Upper

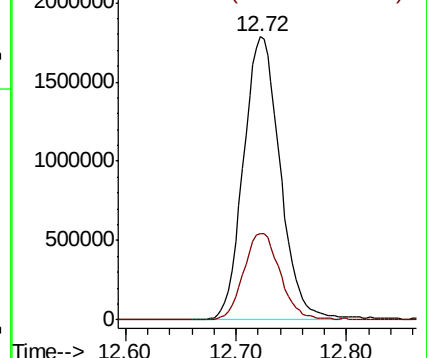
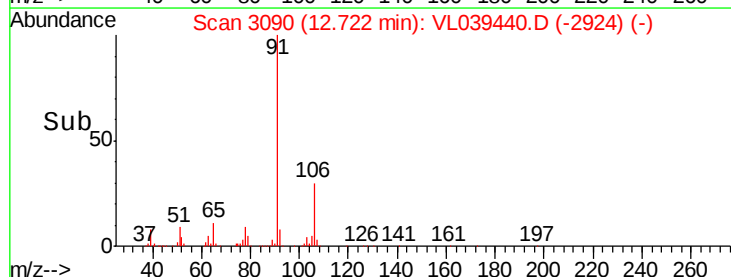
91 100

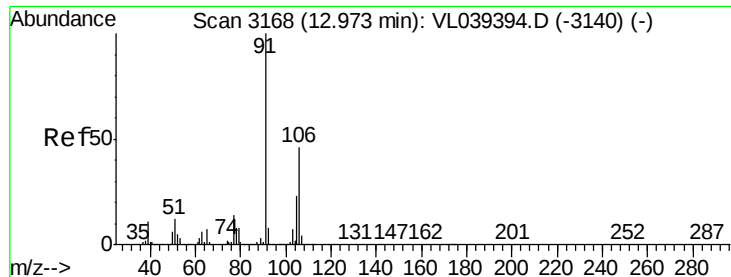
106 30.4 25.4 38.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

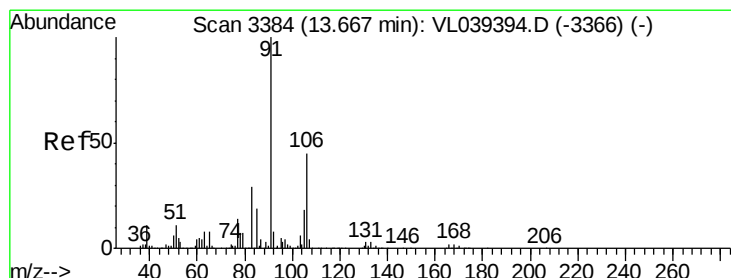
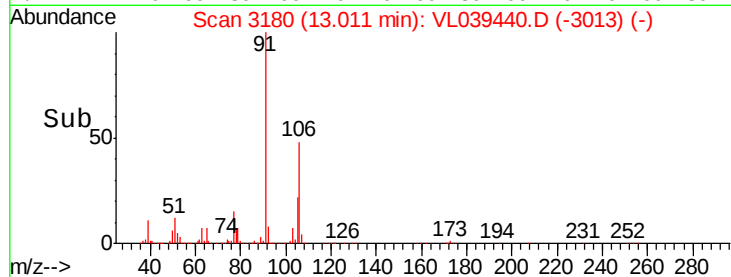
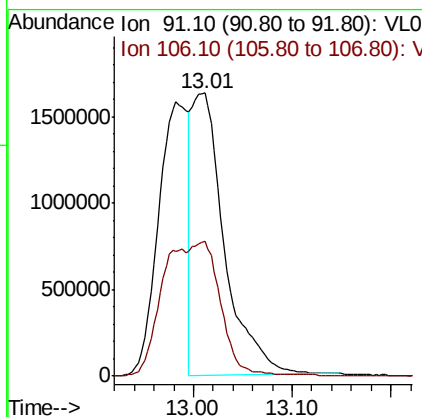
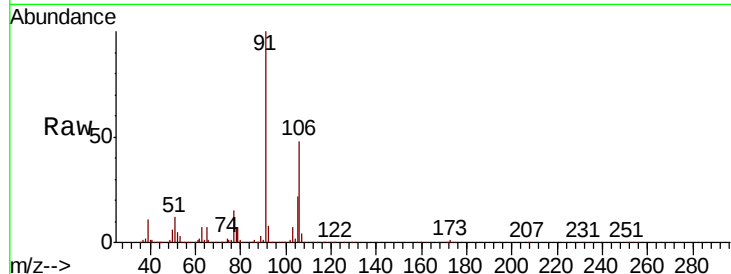
Ion 106.10 (105.80 to 106.80): V





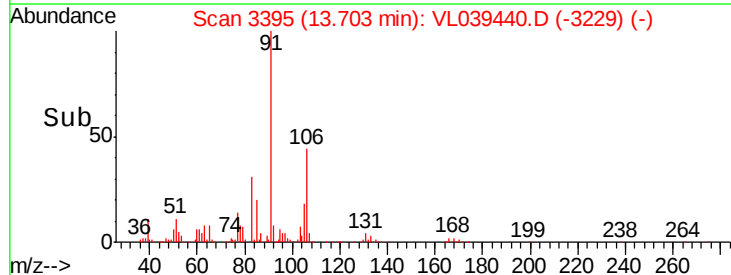
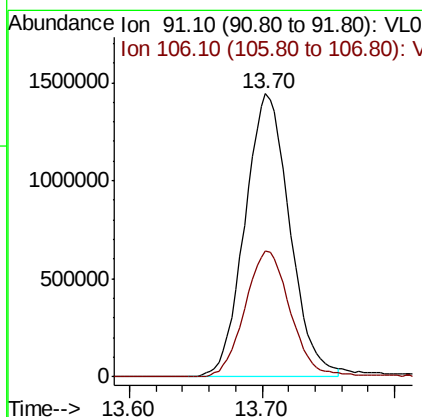
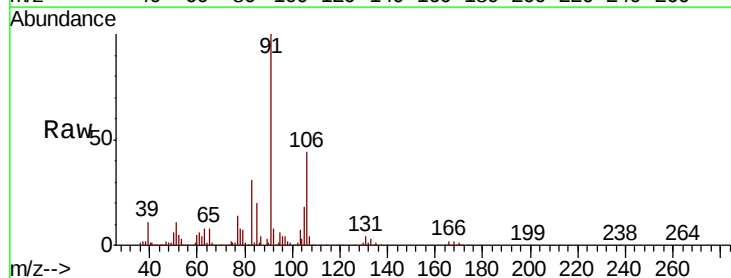
#59
m/p-Xylene
Concen: 8.570 ppbv
RT: 13.01 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 6 Jul 2022 9:53

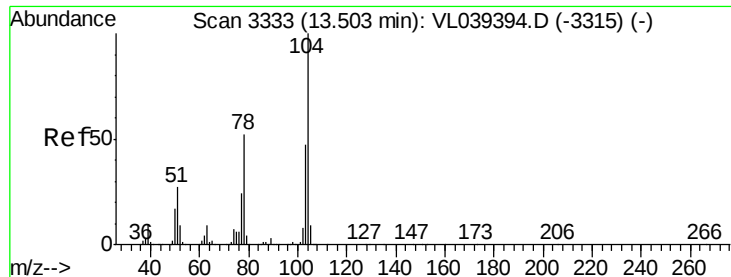
Tot Ion: 91 Resp: 3716759
Ion Ratio Lower Upper
91 100
106 85.2 35.4 53.2#



#60
o-Xylene
Concen: 8.247 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. 0.04 min
Lab File: VL039440.D
Acq: 6 Jul 2022 9:53

Tgt Ion: 91 Resp: 3386826
Ion Ratio Lower Upper
91 100
106 45.8 22.4 67.3

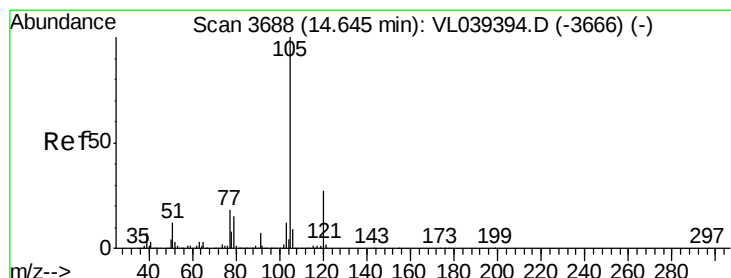
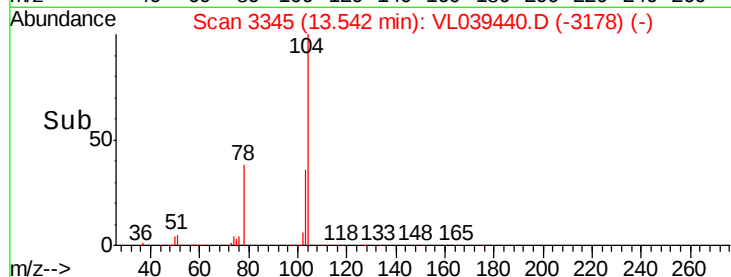
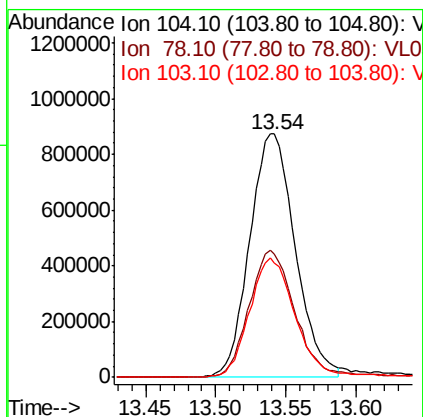
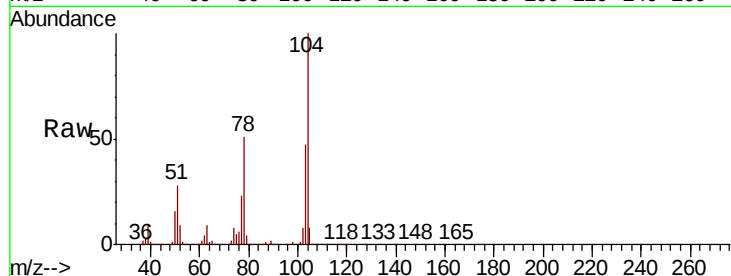




#61
Stvrene
Concen: 8.854 ppbv
RT: 13.54 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 6 Jul 2022 9:53

Tot Ion:104 Resp: 1969578

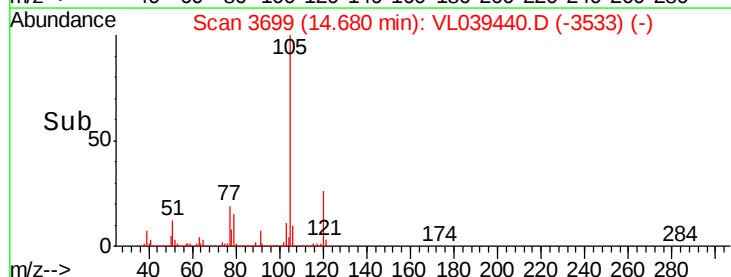
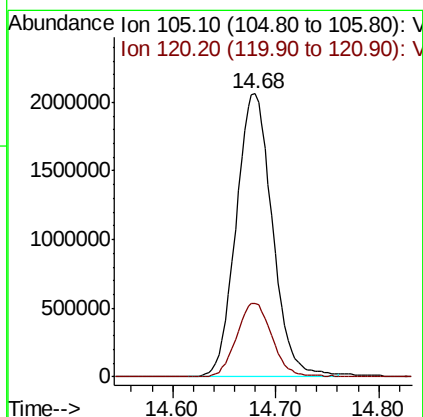
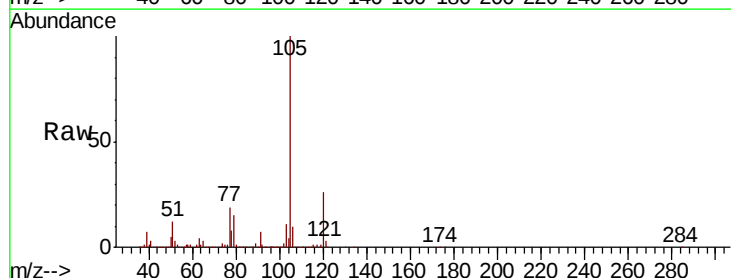
Ion	Ratio	Lower	Upper
104	100		
78	53.3	41.2	61.8
103	49.6	38.7	58.1

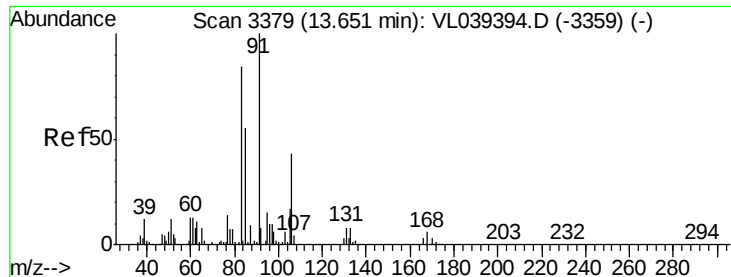


#62
Isopropylbenzene
Concen: 8.072 ppbv
RT: 14.68 min Scan# 3699
Delta R.T. 0.04 min
Lab File: VL039440.D
Acq: 6 Jul 2022 9:53

Tgt Ion:105 Resp: 5048295

Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.7	31.1





#63

1,1,2,2-Tetrachloroethane

Concen: 7.662 ppbv

RT: 13.69

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 Jul 2022 9:53

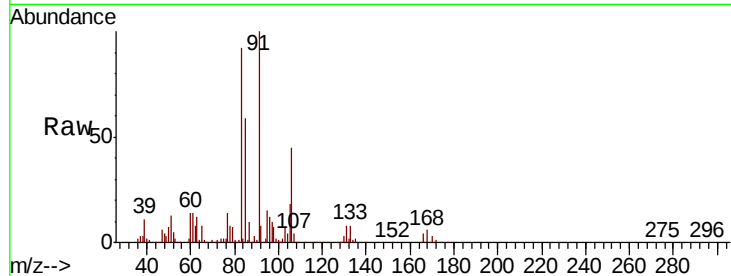
Tot Ion: 83 Resp: 1649251

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.8

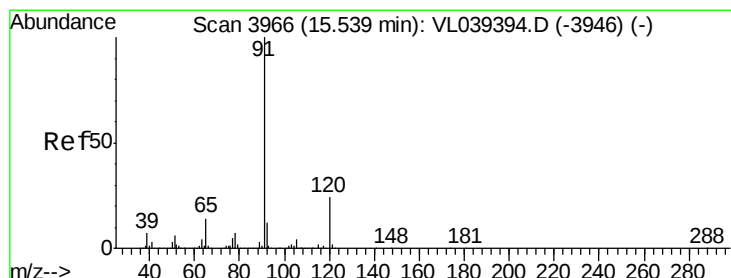
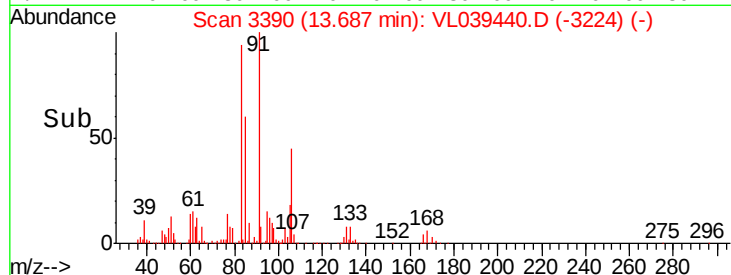
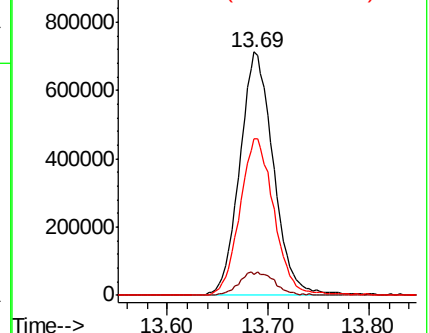
85 65.7 33.1 99.5



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: 8.308 ppbv

RT: 15.57 min Scan# 3976

Delta R.T. 0.03 min

Lab File: VL039440.D

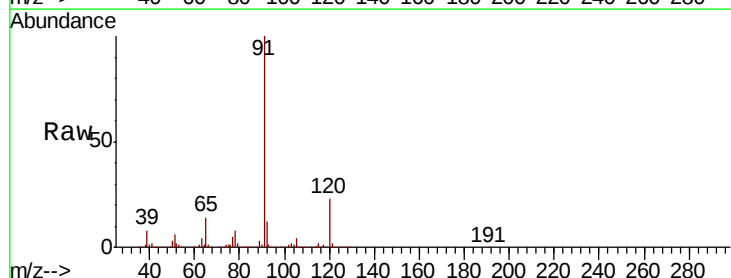
Acq: 6 Jul 2022 9:53

Tgt Ion:120 Resp: 1316850

Ion Ratio Lower Upper

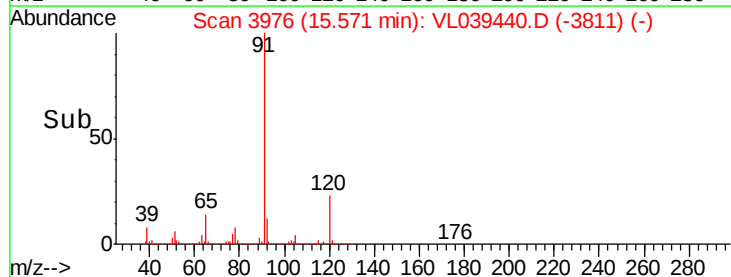
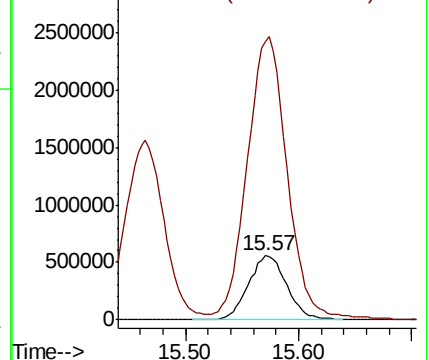
120 100

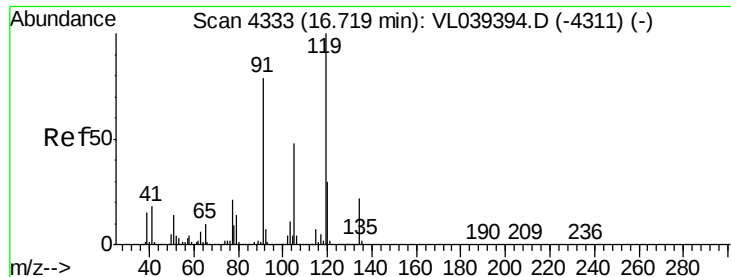
91 461.5 367.2 550.8



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

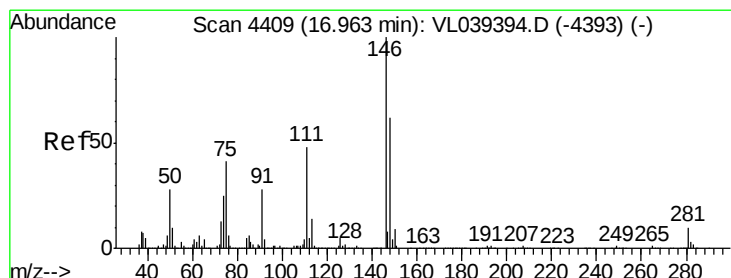
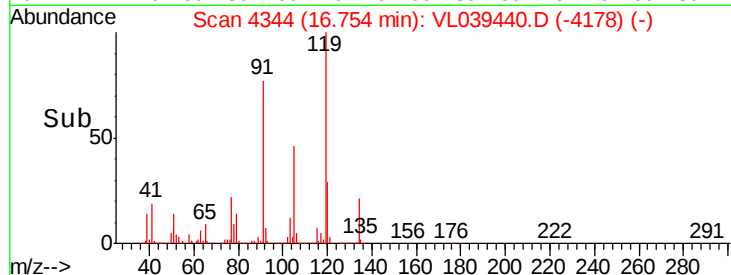
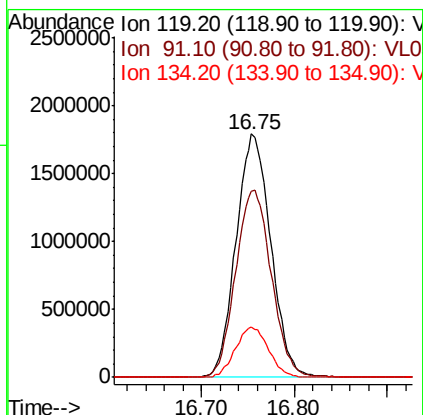
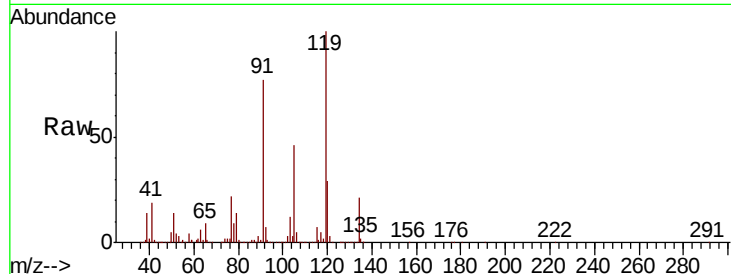




#65
 tert-Butylbenzene
 Concen: 8.055 ppbv
 RT: 16.75 min
 Delta R.T. 0.04 min
 Lab File: VL039440.D
 Acq: 6 Jul 2022 9:53

Tot Ion: 119 Resp: 4654894

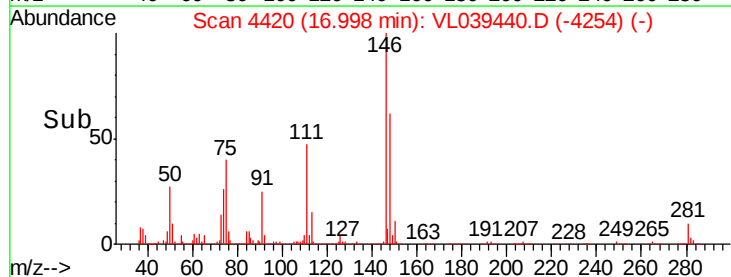
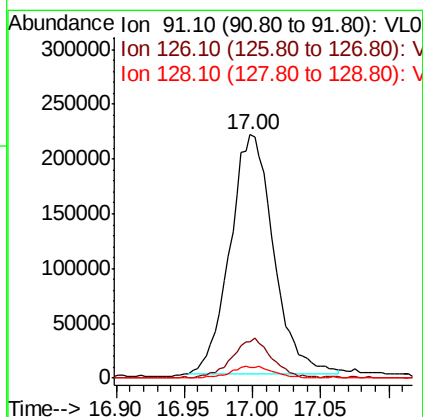
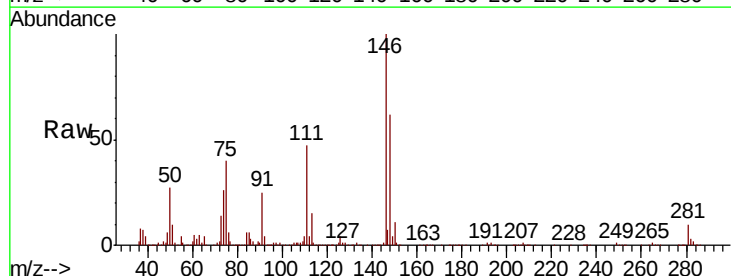
Ion	Ratio	Lower	Upper
119	100		
91	79.3	63.4	95.2
134	19.8	15.9	23.9

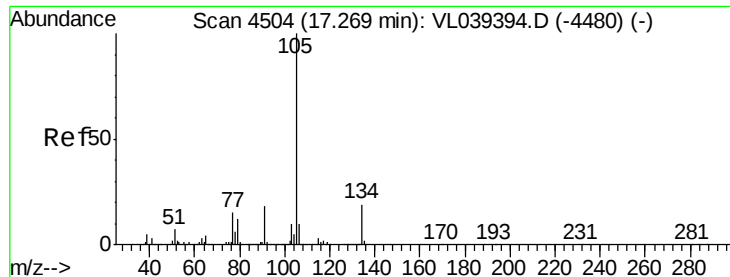


#66
 Benzyl Chloride
 Concen: 8.865 ppbv
 RT: 17.00 min Scan# 4420
 Delta R.T. 0.04 min
 Lab File: VL039440.D
 Acq: 6 Jul 2022 9:53

Tgt Ion: 91 Resp: 486845

Ion	Ratio	Lower	Upper
91	100		
126	15.9	13.1	19.7
128	5.0	4.4	6.6





#67

sec-Butylbenzene

Concen: 8.193 ppbv

RT: 17.30

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

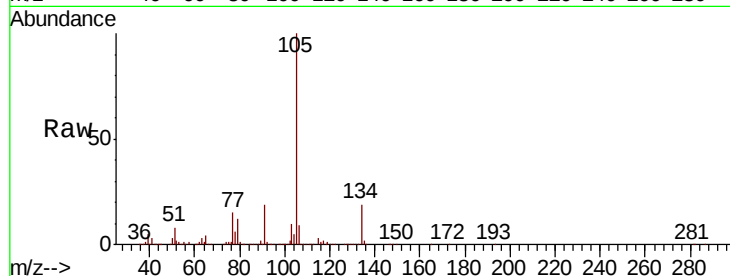
Acq: 6 Jul 2022 9:55

Tot Ion: 105 Resp: 6377125

Ion Ratio Lower Upper

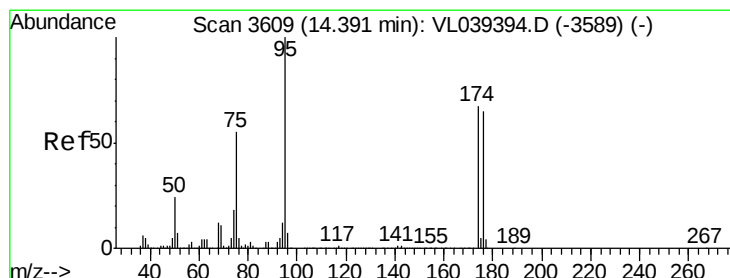
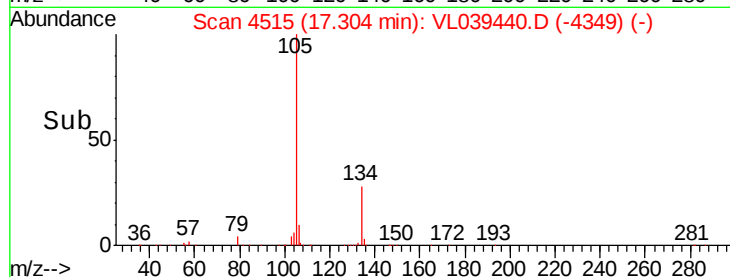
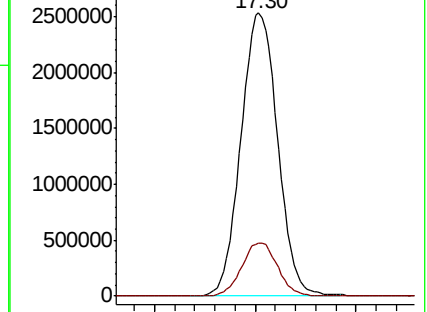
105 100

134 18.5 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: 8.312 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. 0.04 min

Lab File: VL039440.D

Acq: 6 Jul 2022 9:53

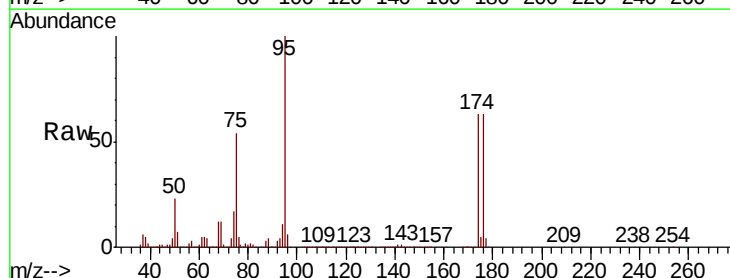
Tgt Ion: 95 Resp: 2349268

Ion Ratio Lower Upper

95 100

174 68.2 55.9 83.9

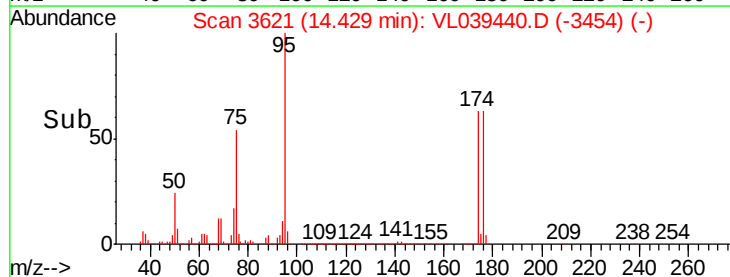
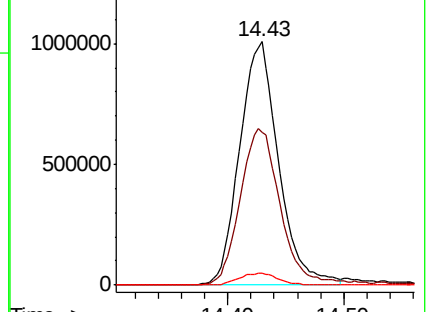
175 5.1 4.2 6.4

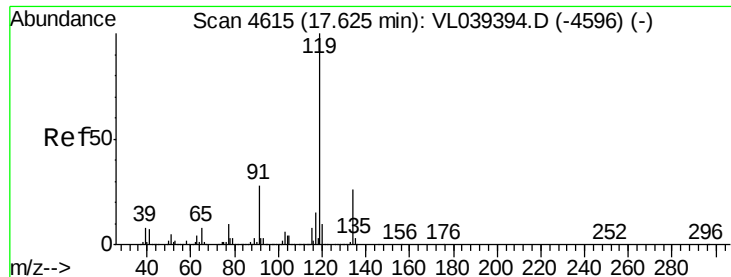


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

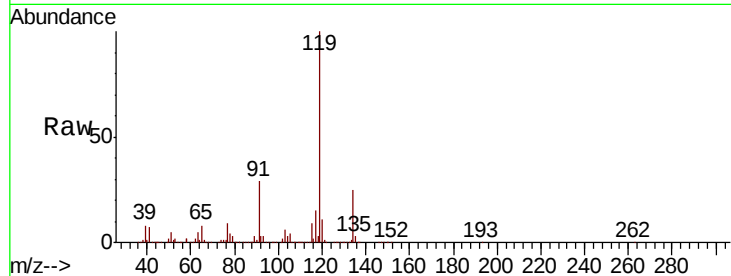




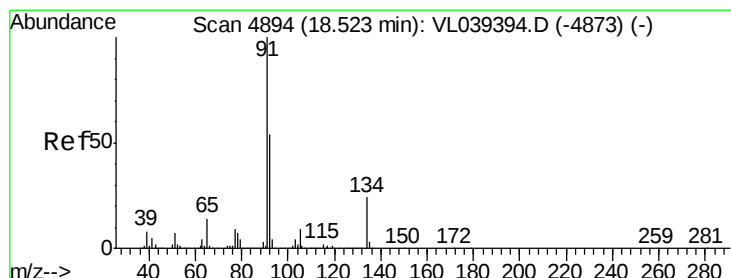
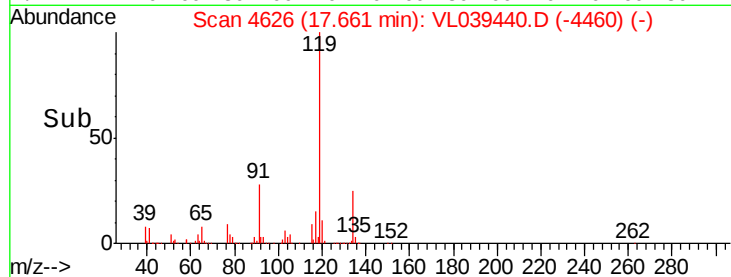
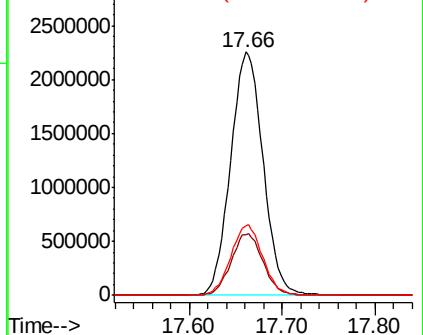
#69
 p-Isopropyltoluene
 Concen: 8.289 ppbv
 RT: 17.66 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 6 Jul 2022 9:53

Tot Ion: 119 Resp: 5474723

Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.3	30.5
91	28.4	22.9	34.3



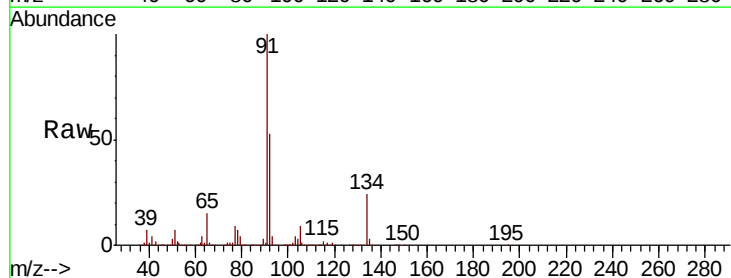
Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): VL0



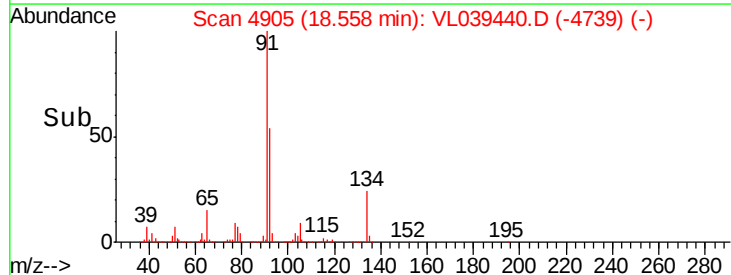
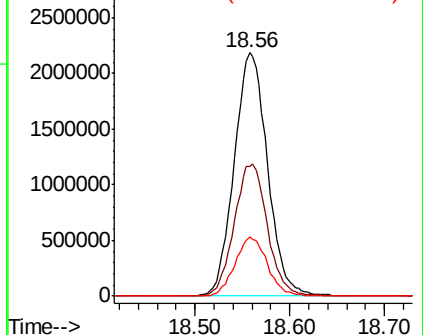
#70
 n-Butylbenzene
 Concen: 8.347 ppbv
 RT: 18.56 min Scan# 4905
 Delta R.T. 0.04 min
 Lab File: VL039440.D
 Acq: 6 Jul 2022 9:53

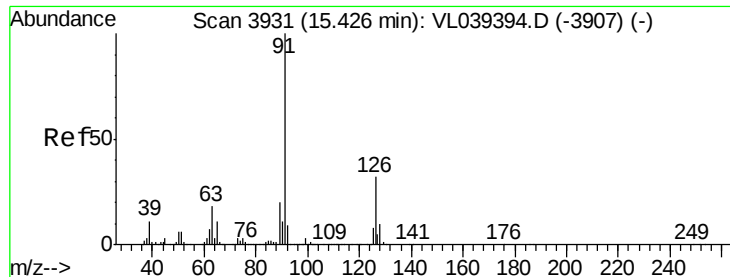
Tgt Ion: 91 Resp: 5350546

Ion	Ratio	Lower	Upper
91	100		
92	54.1	43.4	65.2
134	23.8	18.9	28.3



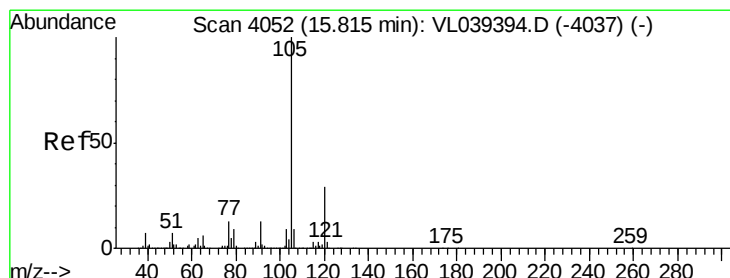
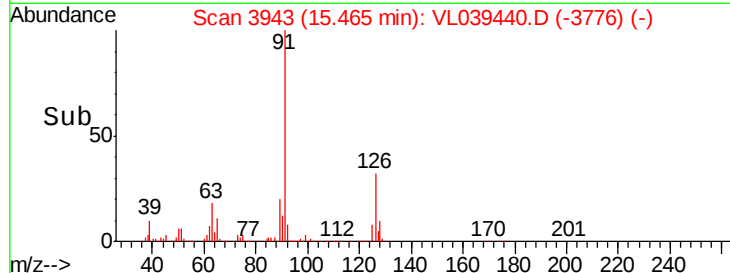
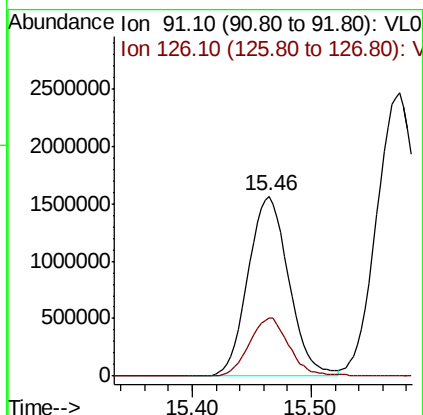
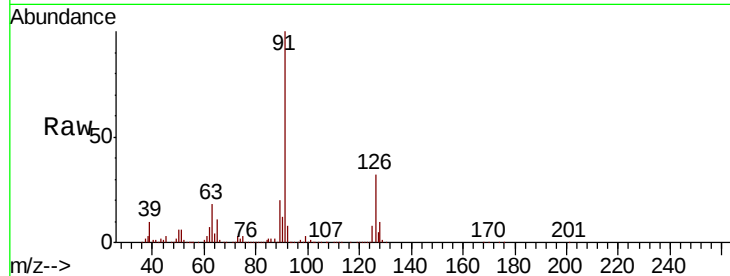
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





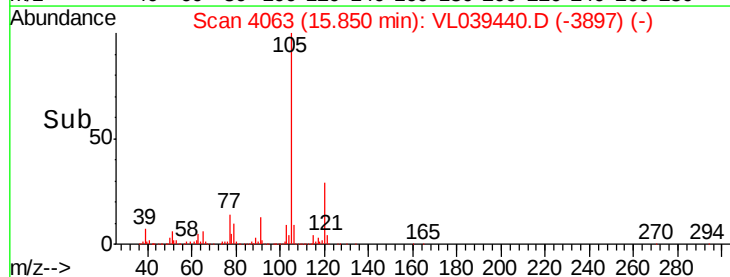
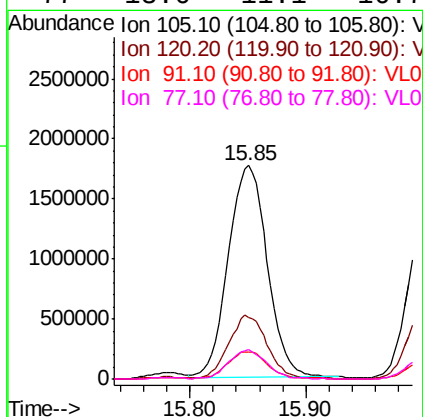
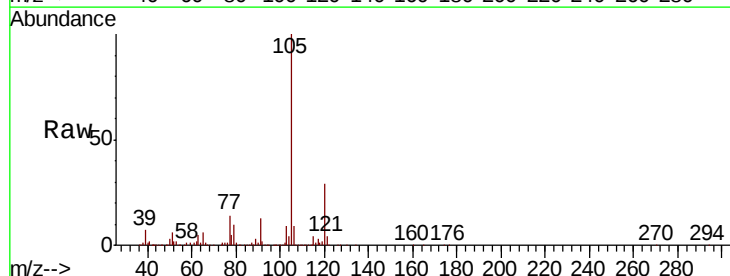
#71
 2-Chlorotoluene
 Concen: 8.295 ppbv
 RT: 15.46
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 6 Jul 2022 9:53

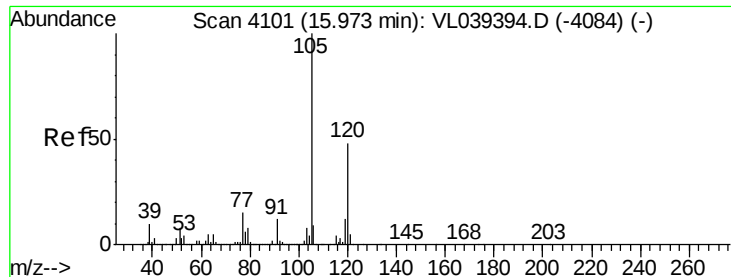
Tot Ion: 91 Resp: 3713021
 Ion Ratio Lower Upper
 91 100
 126 32.2 13.0 51.8



#72
 4-Ethyltoluene
 Concen: 8.586 ppbv
 RT: 15.85 min Scan# 4063
 Delta R.T. 0.04 min
 Lab File: VL039440.D
 Acq: 6 Jul 2022 9:53

Tgt Ion: 105 Resp: 4145777
 Ion Ratio Lower Upper
 105 100
 120 29.6 24.2 36.2
 91 12.7 10.2 15.4
 77 13.6 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 8.577 ppbv

RT: 16.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

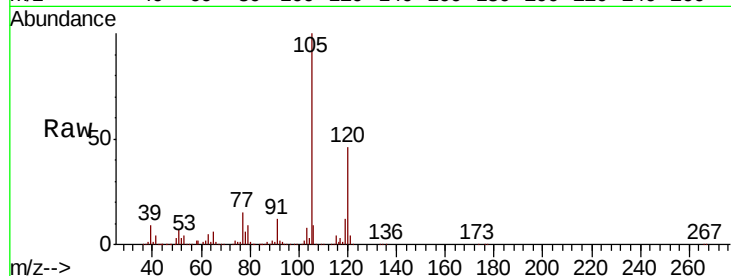
Acq: 6 Jul 2022 9:53

Tot Ion:105 Resp: 3803405

Ion Ratio Lower Upper

105 100

120 46.0 38.2 57.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.00

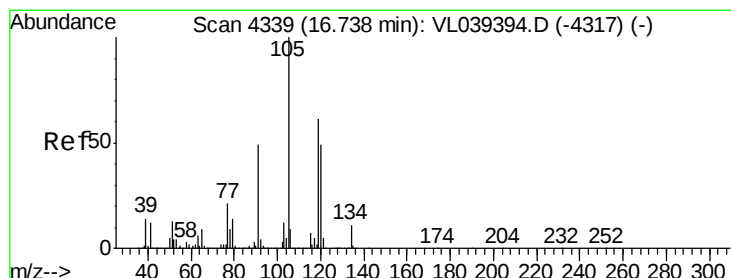
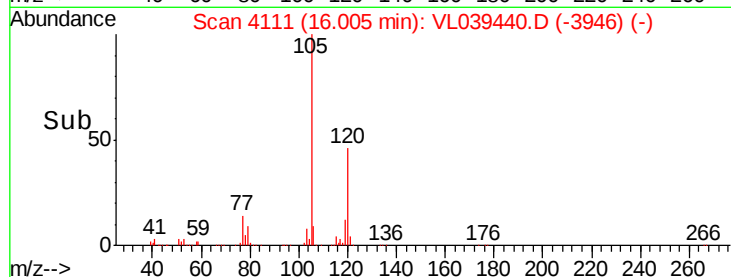
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.301 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. 0.04 min

Lab File: VL039440.D

Acq: 6 Jul 2022 9:53

Tgt Ion:105 Resp: 4072217

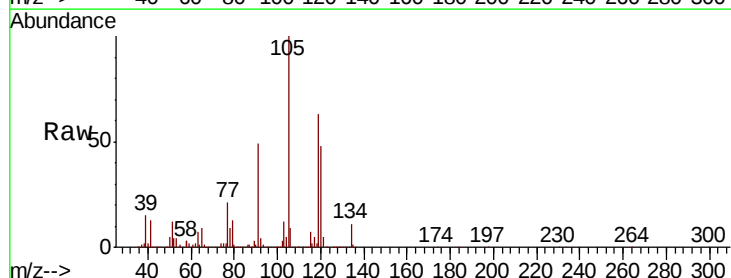
Ion Ratio Lower Upper

105 100

120 47.5 39.5 59.3

91 48.5 39.2 58.8

77 21.4 17.2 25.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

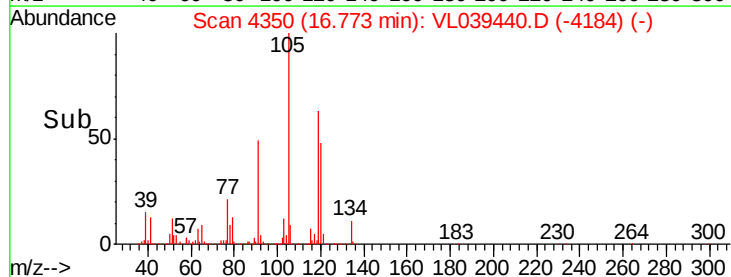
1500000

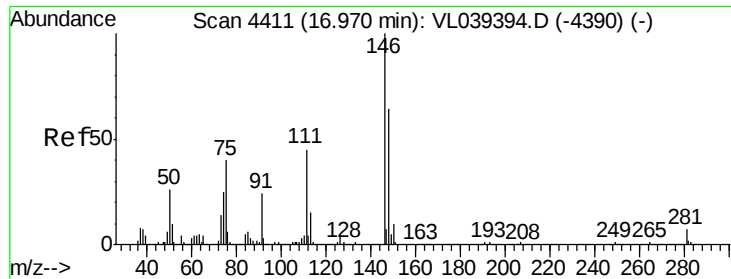
1000000

500000

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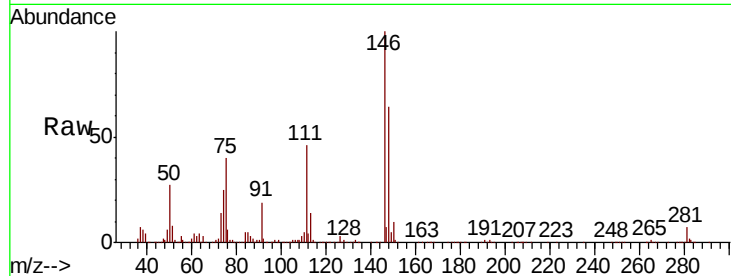
Time-->



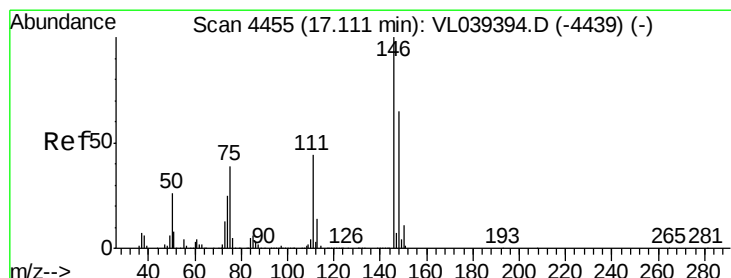
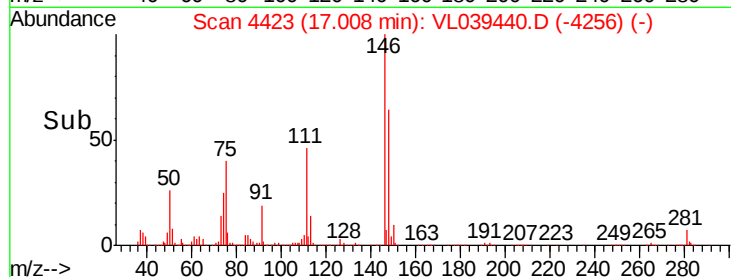
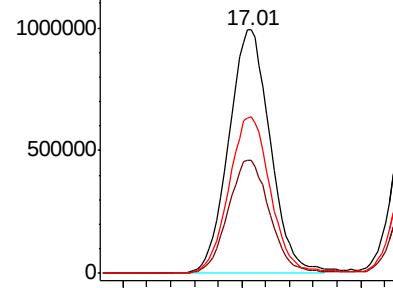


#75
 1,3-Dichlorobenzene
 Concen: 8.168 ppbv
 RT: 17.01 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 6 Jul 2022 9:53

Tot Ion:146 Resp: 2390225
 Ion Ratio Lower Upper
 146 100
 111 46.9 22.9 68.7
 148 64.6 32.1 96.5

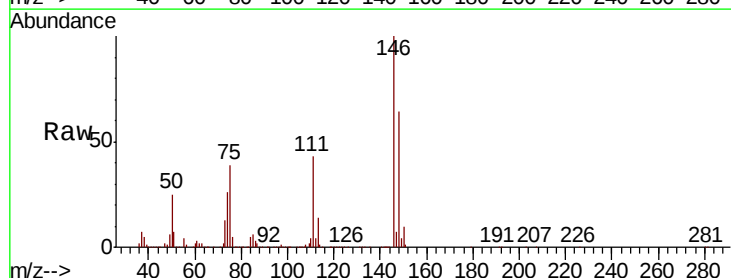


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

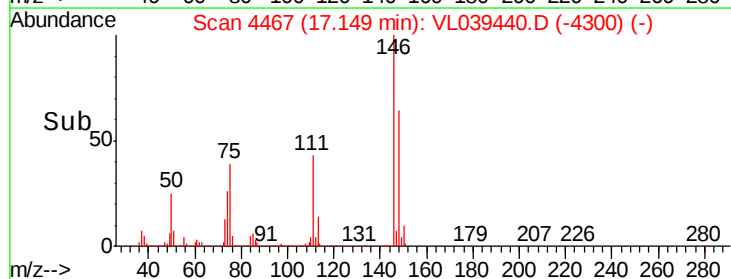
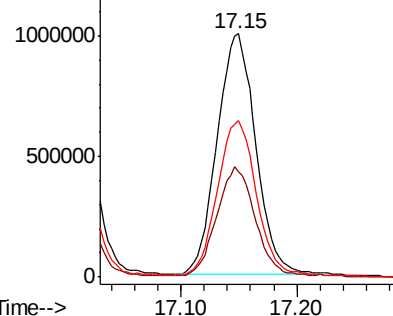


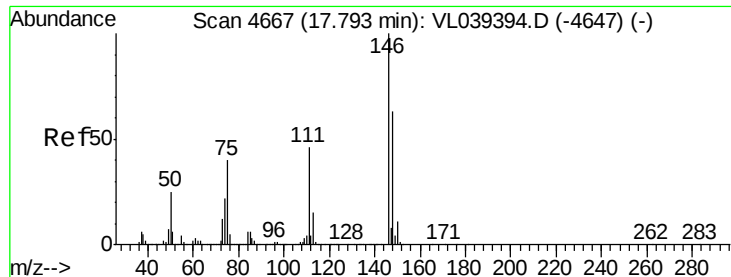
#76
 1,4-Dichlorobenzene
 Concen: 7.930 ppbv
 RT: 17.15 min Scan# 4467
 Delta R.T. 0.04 min
 Lab File: VL039440.D
 Acq: 6 Jul 2022 9:53

Tgt Ion:146 Resp: 2300061
 Ion Ratio Lower Upper
 146 100
 111 46.5 22.9 68.8
 148 66.9 33.6 100.8



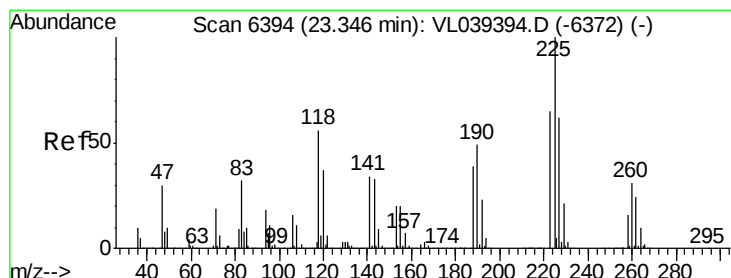
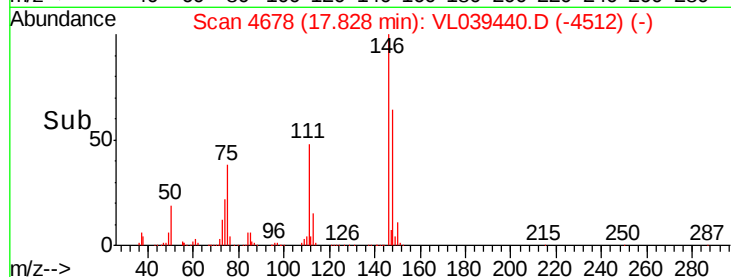
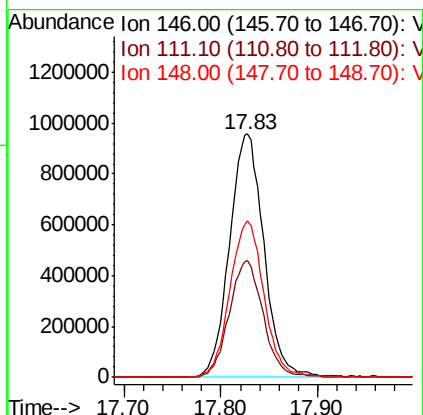
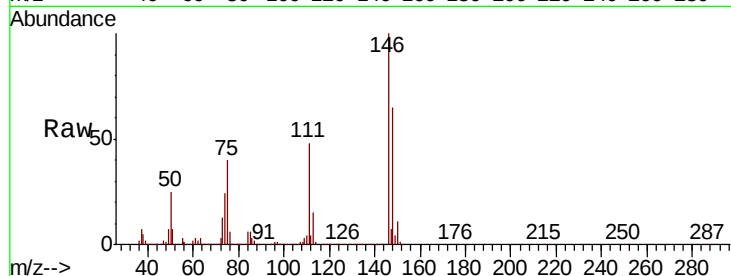
Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V





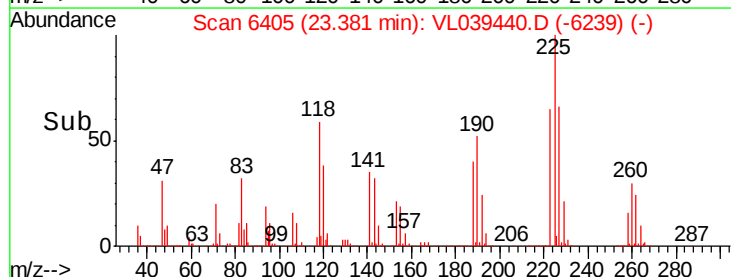
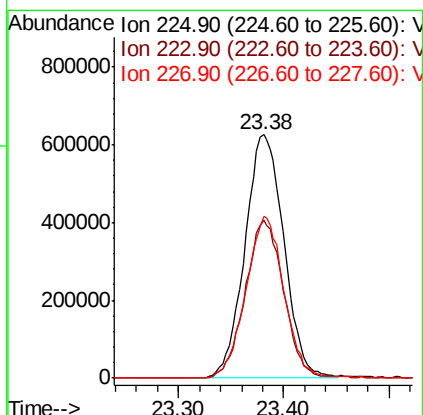
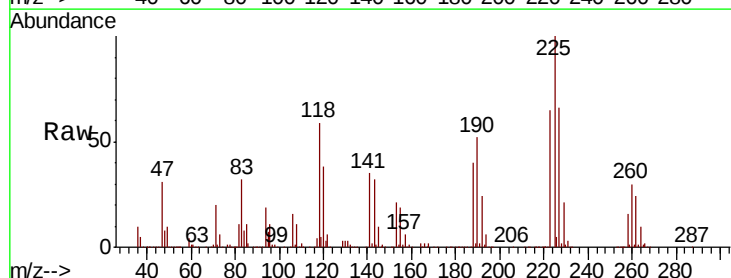
#77
 1,2-Dichlorobenzene
 Concen: 8.066 ppbv
 RT: 17.83 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VSTDCCC010EC
 Acq: 6 Jul 2022 9:53

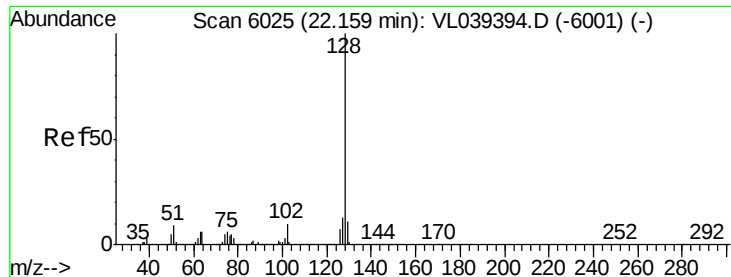
Tot Ion:146 Resp: 2339775
 Ion Ratio Lower Upper
 146 100
 111 47.7 23.8 71.5
 148 64.1 32.3 96.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.912 ppbv
 RT: 23.38 min Scan# 6405
 Delta R.T. 0.04 min
 Lab File: VL039440.D
 Acq: 6 Jul 2022 9:53

Tgt Ion:225 Resp: 1612349
 Ion Ratio Lower Upper
 225 100
 223 64.2 51.8 77.6
 227 65.2 51.4 77.2





#79

Naphthalene

Concen: 9.282 ppbv

RT: 22.20

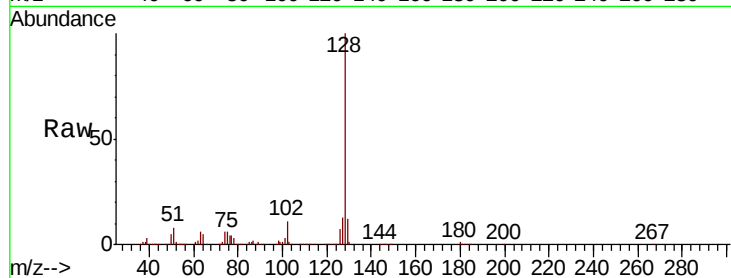
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 Jul 2022 9:55

Tot Ion:128 Resp: 3133579

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	15.8
129	11.7	8.8	13.2

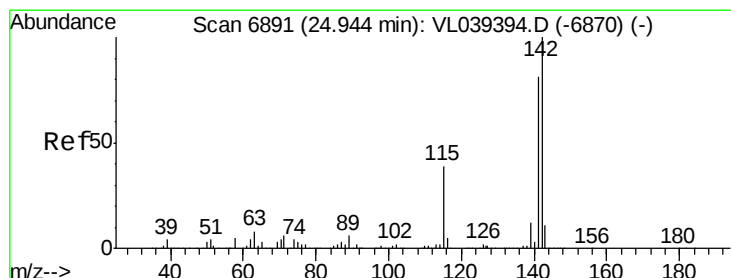
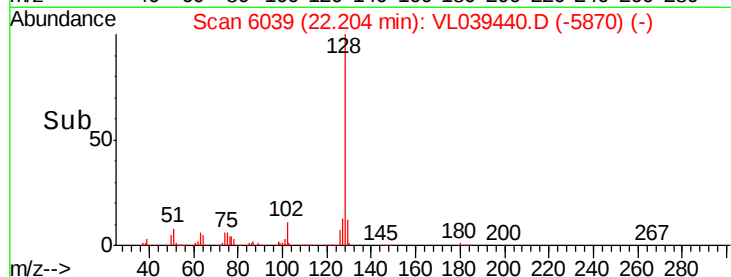


Abundance

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: 9.211 ppbv

RT: 24.98 min Scan# 6901

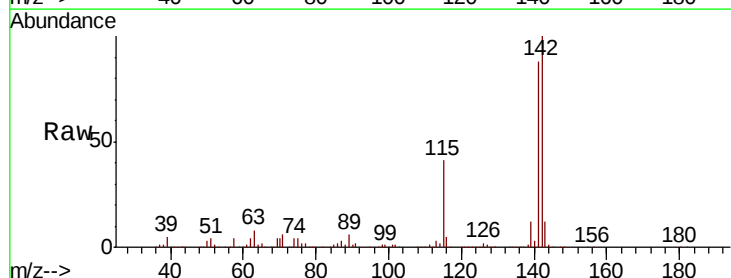
Delta R.T. 0.03 min

Lab File: VL039440.D

Acq: 6 Jul 2022 9:53

Tgt Ion:142 Resp: 1058398

Ion	Ratio	Lower	Upper
142	100		
141	84.4	68.9	103.3
115	38.1	30.0	45.0

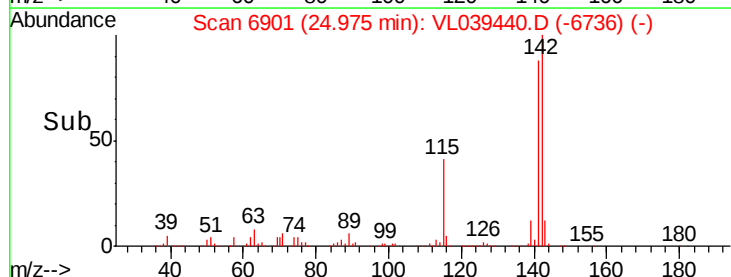


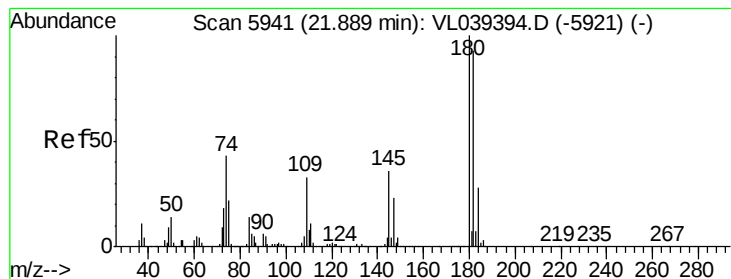
Abundance

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: 8.212 ppbv

RT: 21.93

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

VSTDCCC010EC

Acq: 6 Jul 2022 9:55

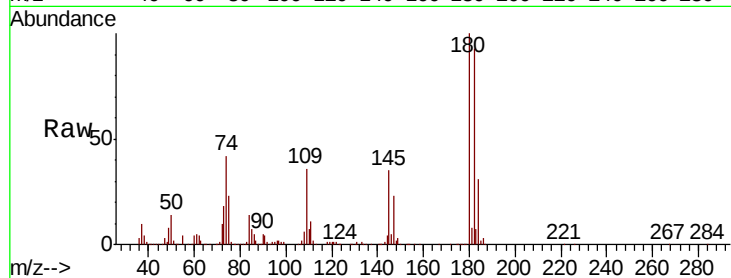
Tot Ion:180 Resp: 1805860

Ion Ratio Lower Upper

180 100

182 96.9 77.1 115.7

184 31.1 24.3 36.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

