

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062222\
 Data File : VL039334.D
 Acq On : 23 Jun 2022 00:04
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Jun 23 07:29:31 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1158604	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3258029	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3923759	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2541487	7.83	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1607554	7.899 ppbv	98
3) Chlorodifluoromethane	2.99	51	1361610	9.236 ppbv	100
4) Chloromethane	3.14	50	651166	8.599 ppbv	96
5) Vinyl Chloride	3.26	62	689794	9.745 ppbv	92
6) Bromomethane	3.48	94	333144	9.567 ppbv	97
7) Chloroethane	3.56	64	253822	10.290 ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	1743620	9.375 ppbv	95
9) Propene	3.01	41	527989	8.214 ppbv	96
10) Heptane	8.12	43	1512400	10.086 ppbv	98
11) Trichlorofluoromethane	3.95	101	1787919	9.706 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1335742	10.965 ppbv	100
13) Ethanol	3.60	45	19697	5.619 ppbv #	100
14) Bromoethene	3.74	108	539732	9.855 ppbv	99
15) Acetone	3.85	43	1518973	12.586 ppbv	98
16) 1,3-Butadiene	3.33	39	683392	10.533 ppbv	95
17) tert-Butyl alcohol	4.28	59	1133096	12.104 ppbv	99
18) 1,1-Dichloroethene	4.29	96	568695	10.407 ppbv	94
19) Isopropyl Alcohol	3.96	45	613791	10.843 ppbv #	98
20) Methylene Chloride	4.35	84	482765	9.492 ppbv	96
21) Allyl Chloride	4.41	41	883654	10.854 ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	593986	11.297 ppbv	95
23) Vinyl Acetate	5.07	43	892942	8.942 ppbv	98
24) 1,1-Dichloroethane	5.01	63	1221598	8.929 ppbv	99
25) Ethyl Acetate	5.67	43	2961583	10.887 ppbv	99
26) Hexane	5.69	57	1155294	9.665 ppbv	88
27) Carbon Disulfide	4.55	76	1395711	11.265 ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	1109921	8.411 ppbv	100
29) Chloroform	5.75	83	1887813	9.385 ppbv	97
30) Cyclohexane	7.13	84	970621	9.665 ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1120432	9.192 ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	1892462	9.615 ppbv	100
34) 2-Butanone	5.24	43	1576442	8.906 ppbv	100
35) Carbon Tetrachloride	7.02	117	2001159	8.415 ppbv	97
36) Benzene	6.89	78	2396904	9.062 ppbv	99
37) 1,2-Dichloroethane	6.30	62	1423357	8.177 ppbv	98
38) Trichloroethene	7.83	130	1059260	8.719 ppbv	96
39) 1,2-Dichloropropane	7.61	63	887997	8.440 ppbv	98
40) 1,4-Dioxane	7.83	88	302940	8.746 ppbv #	1
41) Tetrahydrofuran	6.05	42	902963	8.482 ppbv	99
42) Bromodichloromethane	7.79	83	2012579	8.331 ppbv	99
43) Methyl Methacrylate	8.01	69	1028070	9.978 ppbv	98

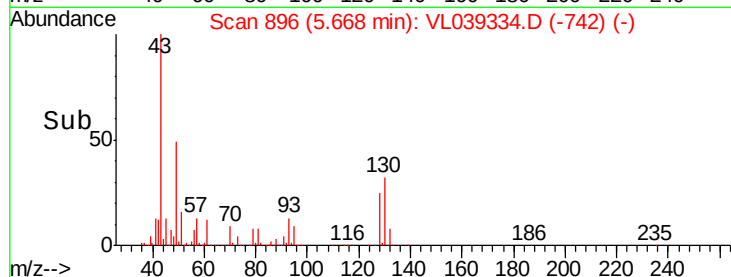
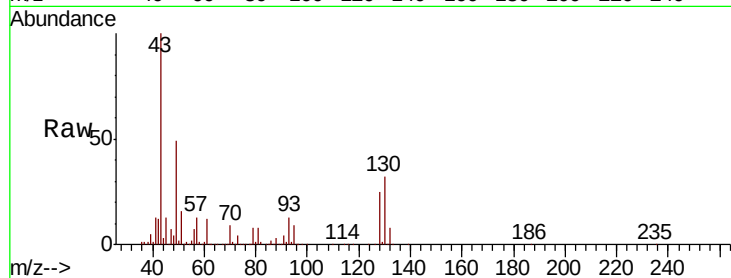
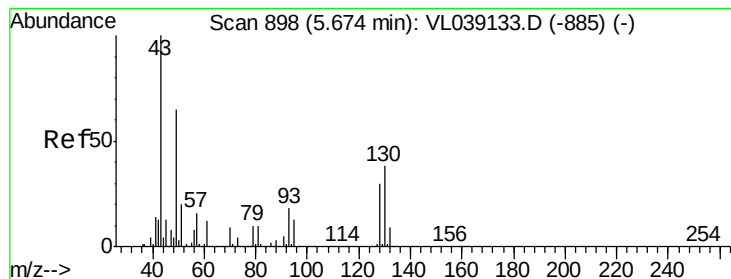
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 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4020760	8.689	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	790289	7.365	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1107479	7.813	ppbv	96
47) 1,1,2-Trichloroethane	9.47	97	1019044	9.284	ppbv	98
48) Dibromochloromethane	10.30	129	1806862	9.219	ppbv	99
49) Bromoform	13.04	173	1530430	9.370	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2479550	9.359	ppbv	99
51) 2-Hexanone	10.13	43	1884587	9.141	ppbv #	97
52) Tetrachloroethene	11.22	164	965940	9.353	ppbv	97
53) Toluene	9.80	91	2933552	9.632	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1417556	9.611	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.12	131	1407733	7.582	ppbv	99
57) Chlorobenzene	12.14	112	2258044	7.648	ppbv	96
58) Ethyl Benzene	12.71	91	4030715	7.458	ppbv	99
59) m/p-Xylene	12.99	91	3716719	7.809	ppbv #	37
60) o-Xylene	13.69	91	3376379	7.549	ppbv	100
61) Styrene	13.52	104	1936697	8.087	ppbv	96
62) Isopropylbenzene	14.66	105	5198107	7.820	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	2134912	8.505	ppbv	100
64) n-propylbenzene	15.55	120	1383808	8.469	ppbv	89
65) tert-Butylbenzene	16.74	119	4833214	7.951	ppbv	96
66) Benzyl Chloride	16.98	91	303634	3.842	ppbv	99
67) sec-Butylbenzene	17.29	105	6616399	7.978	ppbv	98
69) p-Isopropyltoluene	17.64	119	5742031	8.206	ppbv	99
70) n-Butylbenzene	18.54	91	5703126	7.941	ppbv	98
71) 2-Chlorotoluene	15.45	91	3892177	7.678	ppbv	97
72) 4-Ethyltoluene	15.83	105	4155684	7.928	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	3795521	8.028	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	4115188	7.800	ppbv	95
75) 1,3-Dichlorobenzene	16.99	146	2443271	8.182	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2338997	7.850	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2389890	7.941	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1878085	6.824	ppbv	99
79) Naphthalene	22.18	128	3482647	8.575	ppbv	100
80) Naphthalene, 2-methyl-	24.96	142	861999	5.713	ppbv	95
81) 1,2,4-Trichlorobenzene	21.91	180	1936803	7.528	ppbv #	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Jun 2022 00:04

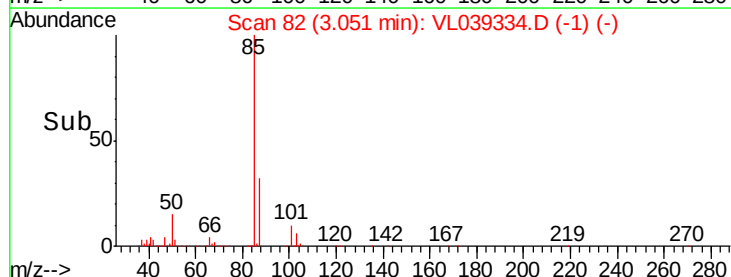
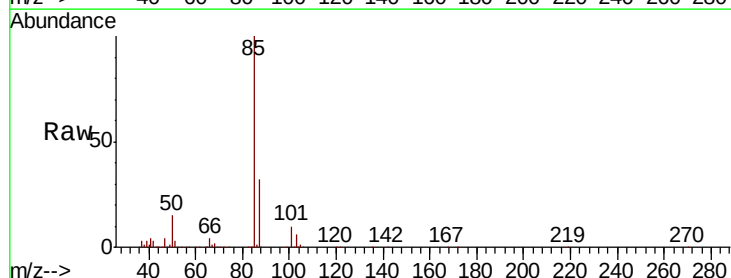
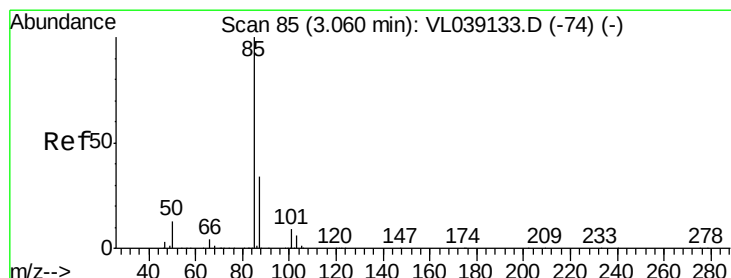
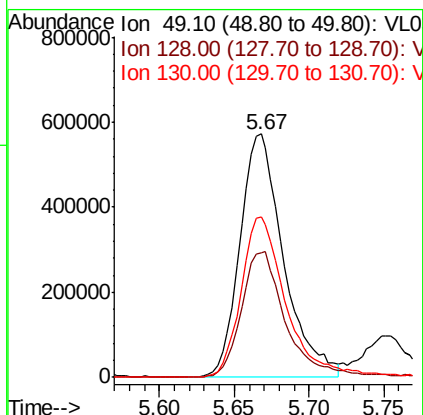
Tot Ion: 49 Resp: 1158604

Ion Ratio Lower Upper

49 100

128 53.8 24.7 74.1

130 68.7 31.4 94.0



#2

Dichlorodifluoromethane

Concen: 7.899 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.01 min

Lab File: VL039334.D

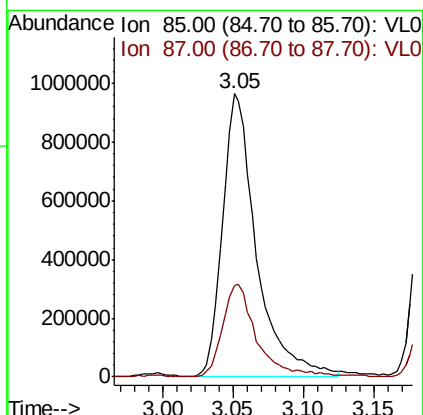
Acq: 23 Jun 2022 00:04

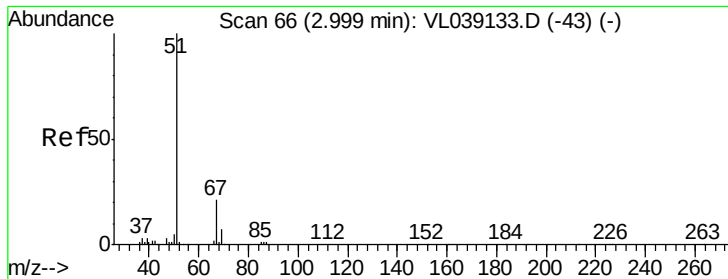
Tgt Ion: 85 Resp: 1607554

Ion Ratio Lower Upper

85 100

87 32.3 26.9 40.3





#3

Chlorodifluoromethane

Concen: 9.236 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

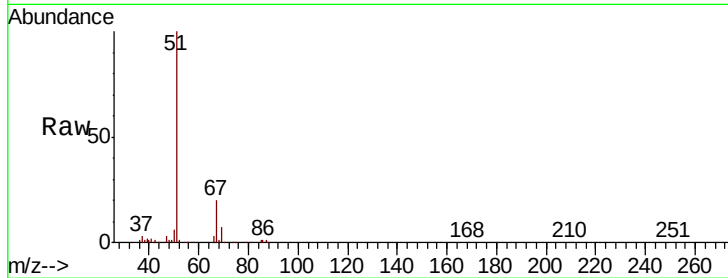
Acq: 23 Jun 2022 00:04 VSTDCCC010EC

Tot Ion: 51 Resp: 1361610

Ion Ratio Lower Upper

51 100

67 20.3 16.2 24.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

800000

600000

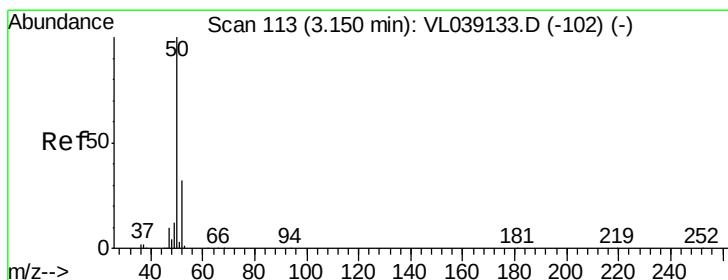
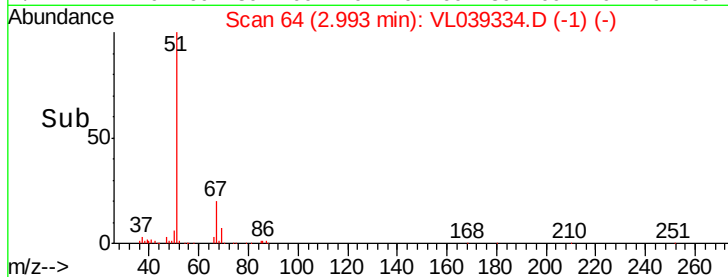
400000

200000

0

2.99

Time-->



#4

Chloromethane

Concen: 8.599 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.01 min

Lab File: VL039334.D

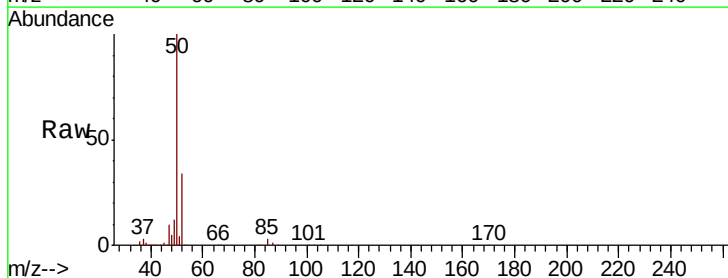
Acq: 23 Jun 2022 00:04

Tgt Ion: 50 Resp: 651166

Ion Ratio Lower Upper

50 100

52 34.9 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

400000

300000

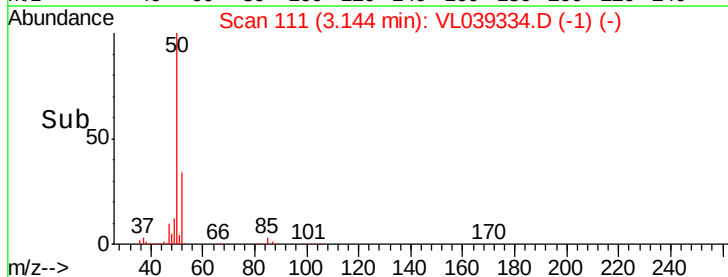
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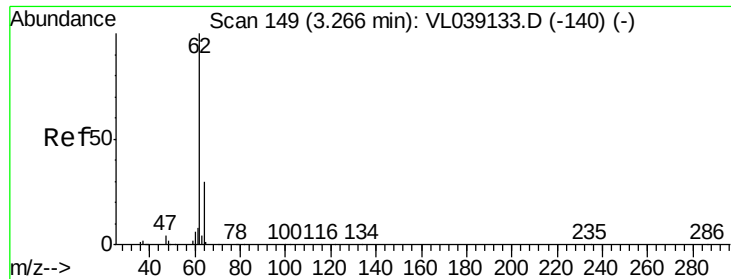
100000

0

3.14

Time-->





#5

Vinyl Chloride

Concen: 9.745 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

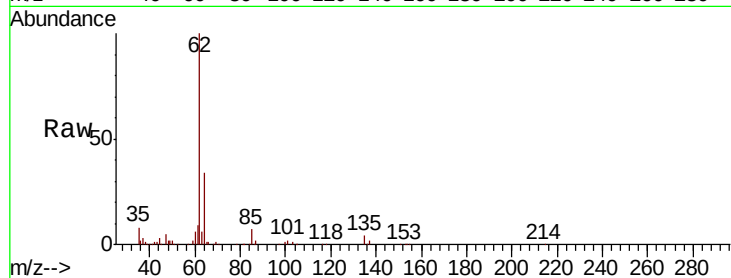
Acq: 23 Jun 2022 00:04 VSTDCCC010EC

Tot Ion: 62 Resp: 689794

Ion Ratio Lower Upper

62 100

64 34.5 24.2 36.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.26

400000

300000

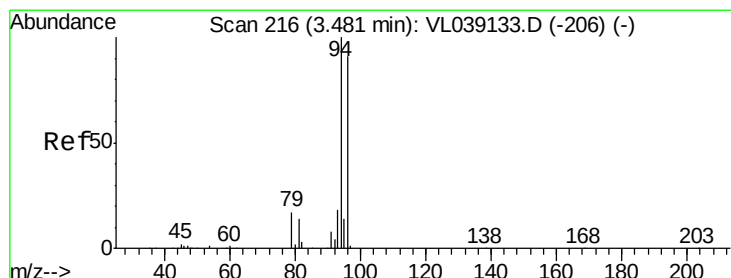
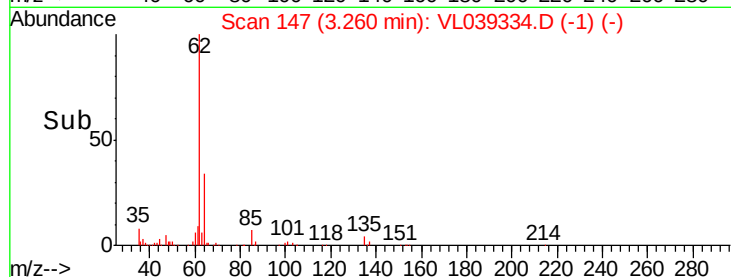
200000

100000

0

Time-->

3.20 3.25 3.30 3.35



#6

Bromomethane

Concen: 9.567 ppbv

RT: 3.48 min Scan# 215

Delta R.T. -0.00 min

Lab File: VL039334.D

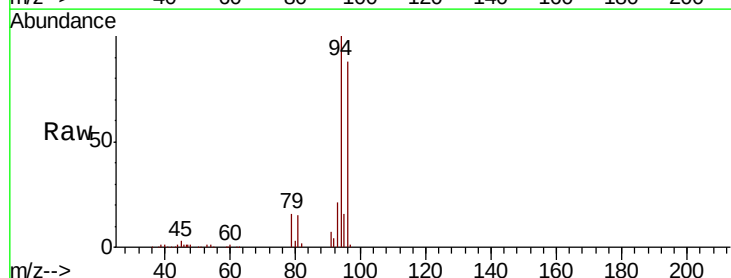
Acq: 23 Jun 2022 00:04

Tgt Ion: 94 Resp: 333144

Ion Ratio Lower Upper

94 100

96 88.3 73.0 109.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.48

200000

150000

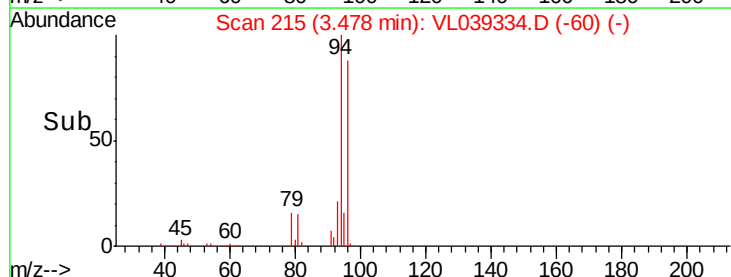
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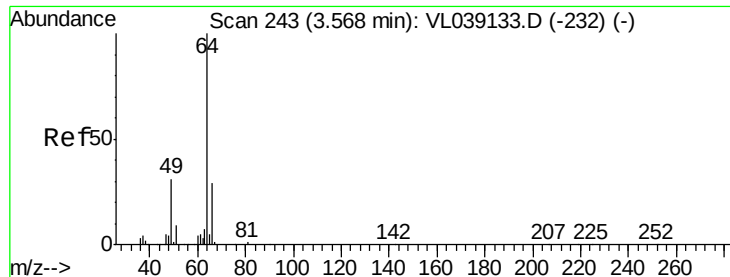
50000

0

Time-->

3.40 3.45 3.50 3.55





#7

Chloroethane

Concen: 10.290 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

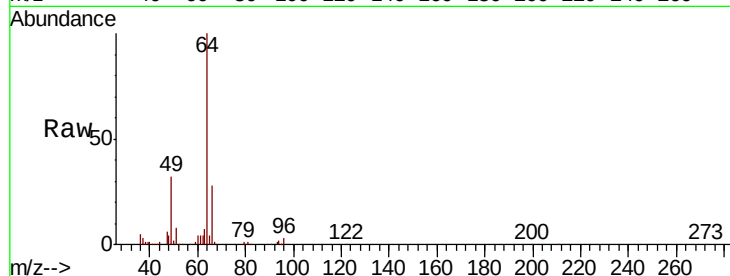
Acq: 23 Jun 2022 00:04 VSTDCCC010EC

Tot Ion: 64 Resp: 253822

Ion Ratio Lower Upper

64 100

66 28.5 23.6 35.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

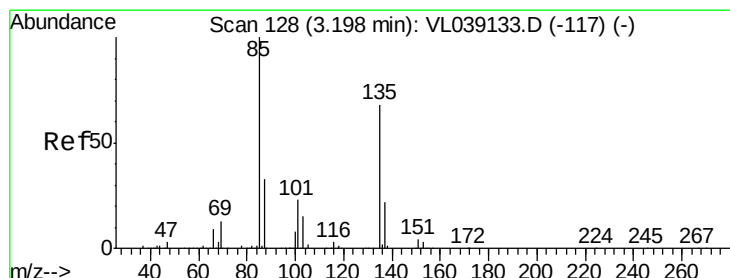
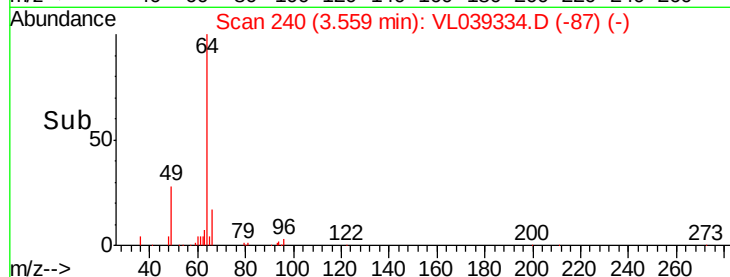
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.375 ppbv

RT: 3.19 min Scan# 126

Delta R.T. -0.01 min

Lab File: VL039334.D

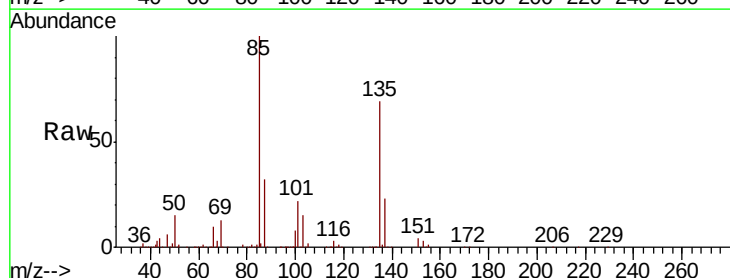
Acq: 23 Jun 2022 00:04

Tgt Ion: 85 Resp: 1743620

Ion Ratio Lower Upper

85 100

135 73.0 55.0 82.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.19

1200000

1000000

800000

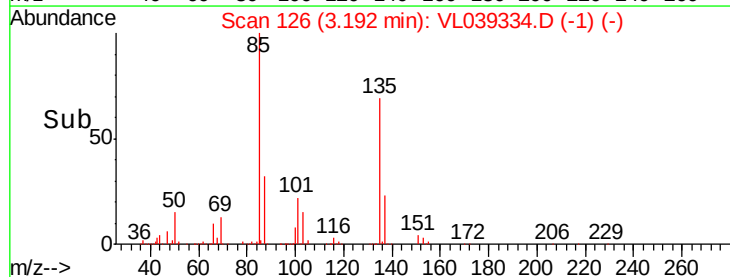
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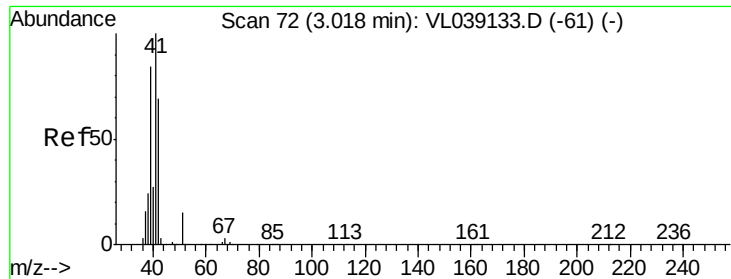
400000

200000

0

Time-->





#9

Propene

Concen: 8.214 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

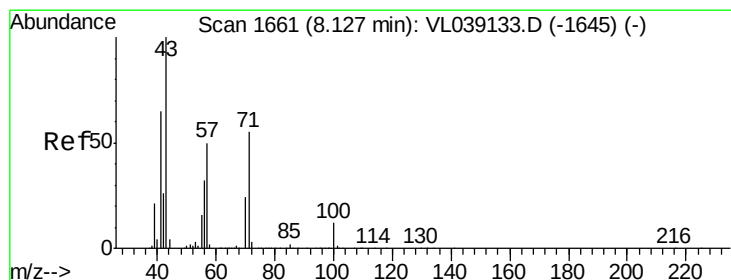
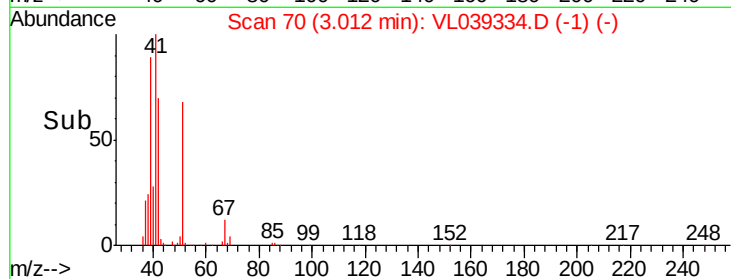
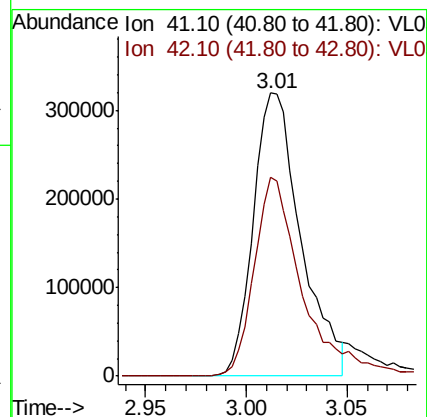
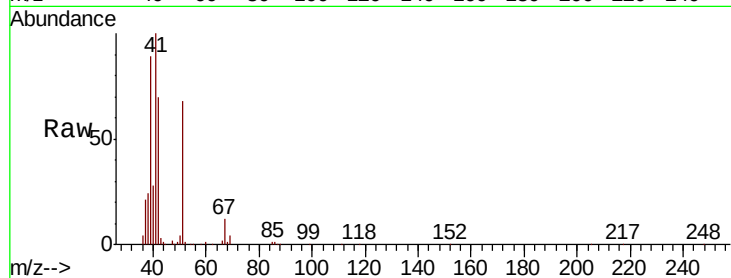
Acq: 23 Jun 2022 00:04 VSTDCCC010EC

Tot Ion: 41 Resp: 527989

Ion Ratio Lower Upper

41 100

42 72.7 55.4 83.2



#10

Heptane

Concen: 10.086 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL039334.D

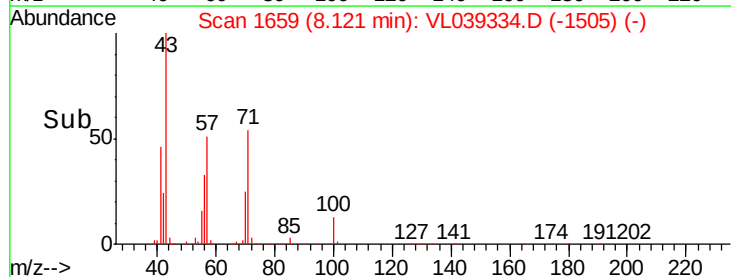
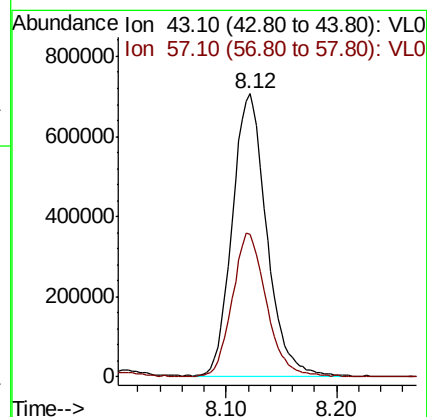
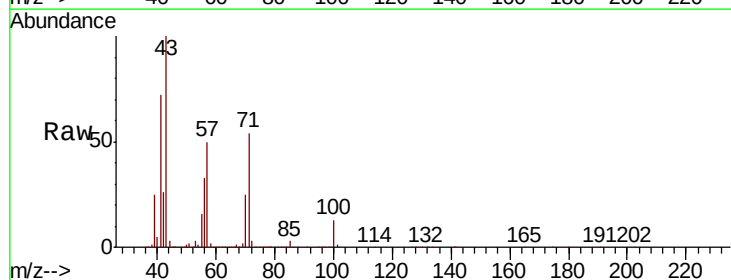
Acq: 23 Jun 2022 00:04

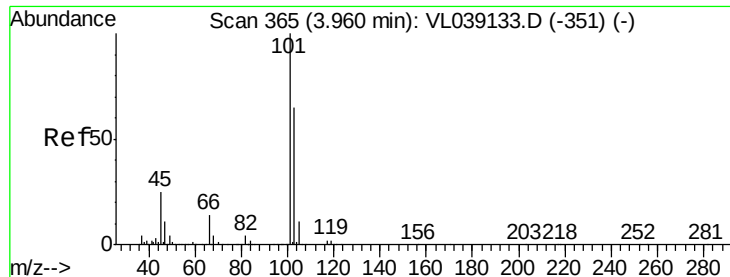
Tgt Ion: 43 Resp: 1512400

Ion Ratio Lower Upper

43 100

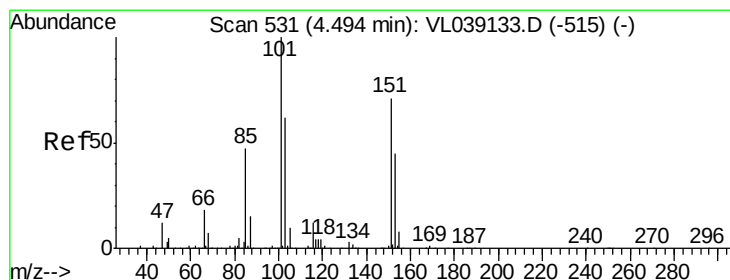
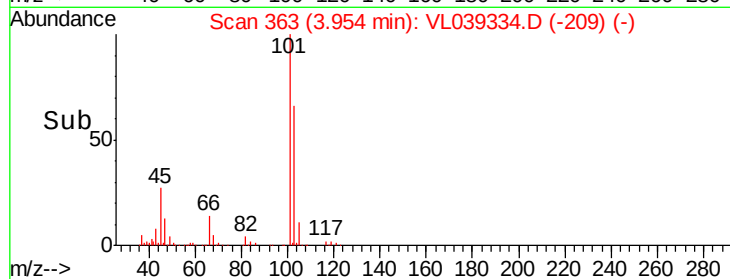
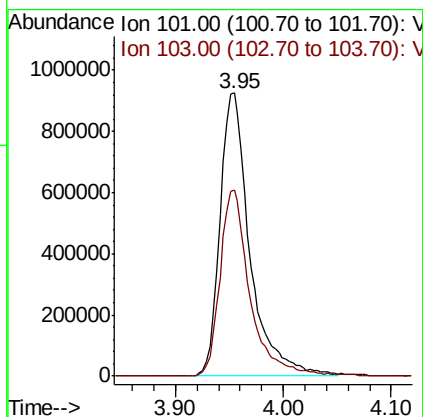
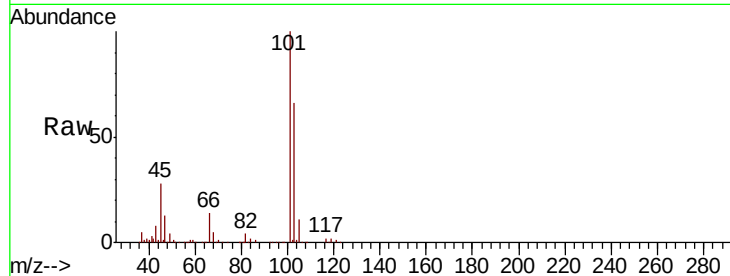
57 50.6 41.4 62.2





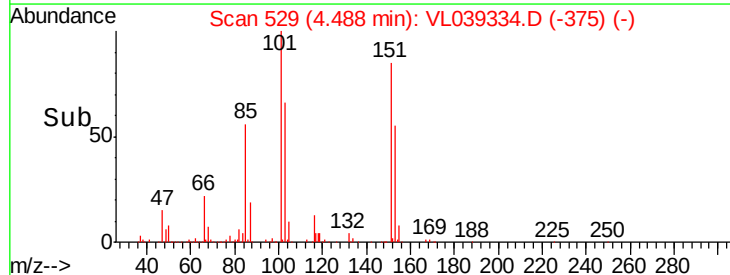
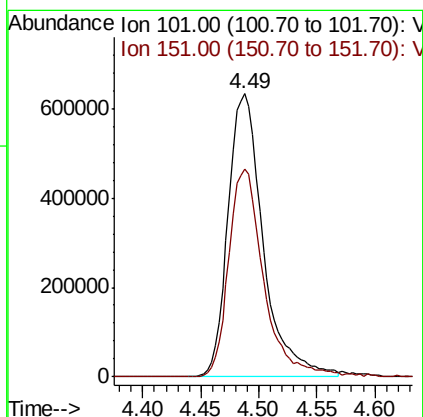
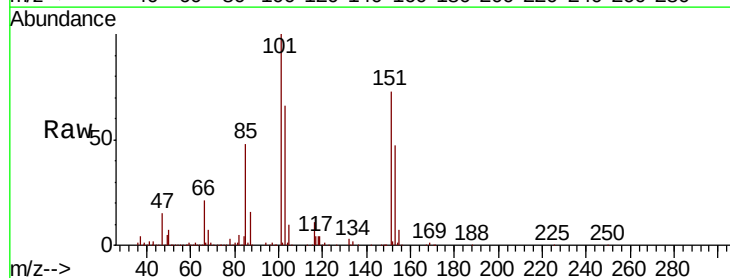
#11
 Trichlorofluoromethane
 Concen: 9.706 ppbv
 RT: 3.95
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 23 Jun 2022 00:04

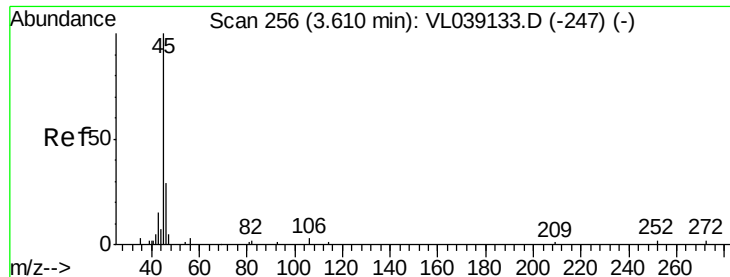
Tot Ion:101 Resp: 1787919
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.965 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VL039334.D
 Acq: 23 Jun 2022 00:04

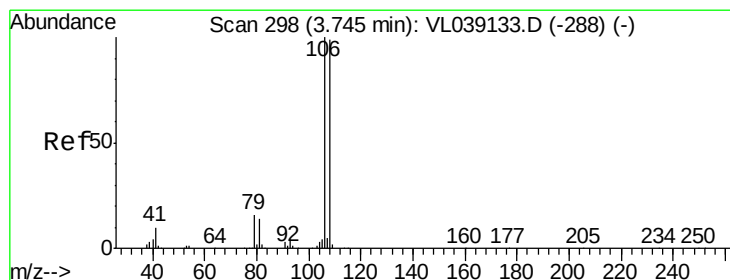
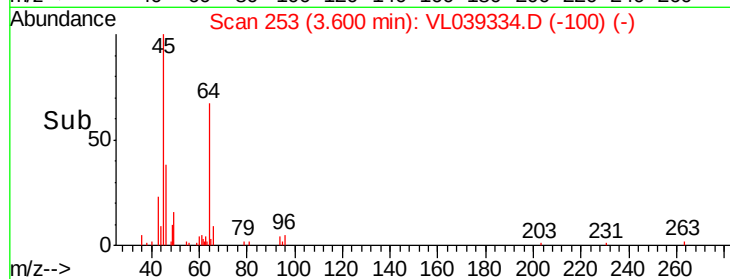
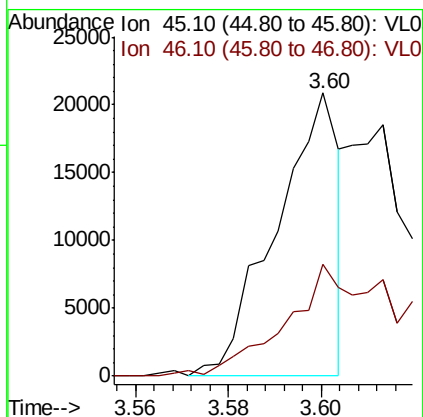
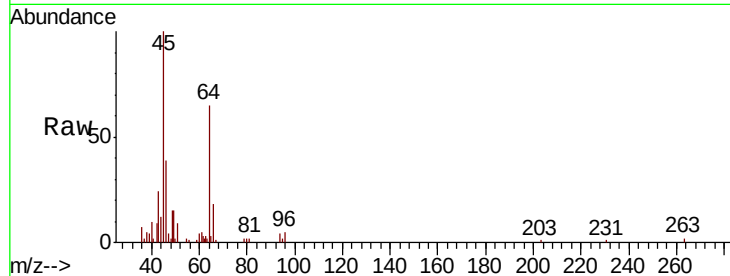
Tgt Ion:101 Resp: 1335742
 Ion Ratio Lower Upper
 101 100
 151 73.8 59.4 89.0





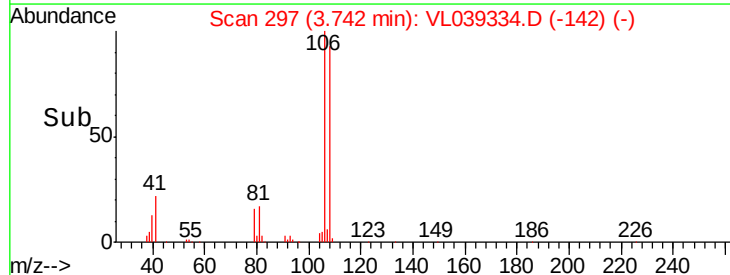
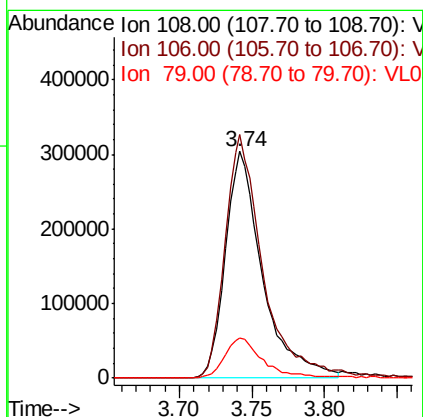
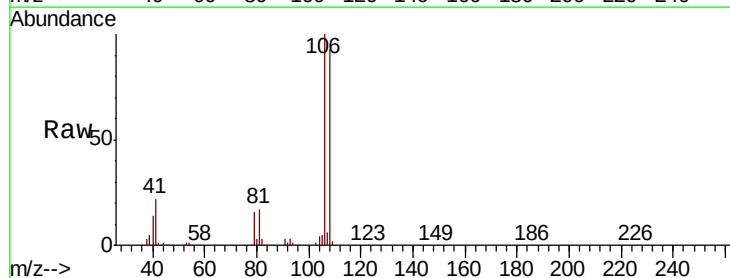
#13
Ethanol
Concen: 5.619 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 23 Jun 2022 00:04

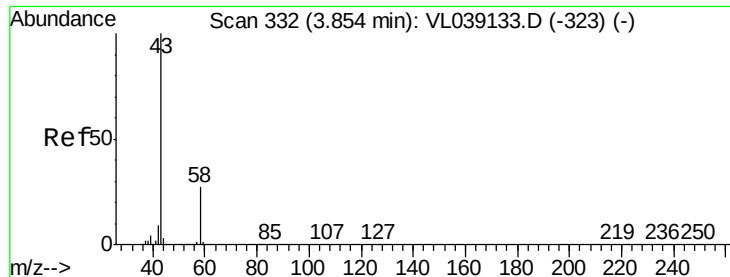
Tot Ion: 45 Resp: 19697
Ion Ratio Lower Upper
45 100
46 91.5 0.0 0.0#



#14
Bromoethene
Concen: 9.855 ppbv
RT: 3.74 min Scan# 297
Delta R.T. -0.00 min
Lab File: VL039334.D
Acq: 23 Jun 2022 00:04

Tgt Ion:108 Resp: 539732
Ion Ratio Lower Upper
108 100
106 110.9 88.4 132.6
79 19.1 13.4 20.2





#15

Acetone

Concen: 12.586 ppbv

RT: 3.85 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

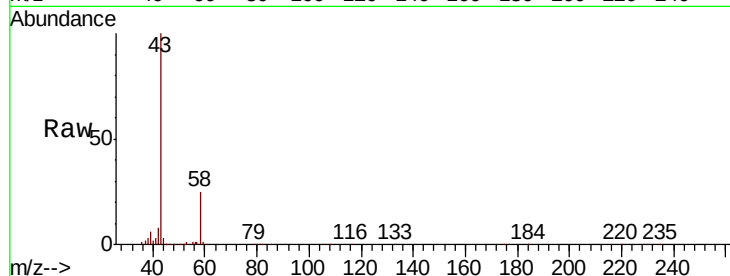
Acq: 23 Jun 2022 00:04 VSTDCCC010EC

Tot Ion: 43 Resp: 1518973

Ion Ratio Lower Upper

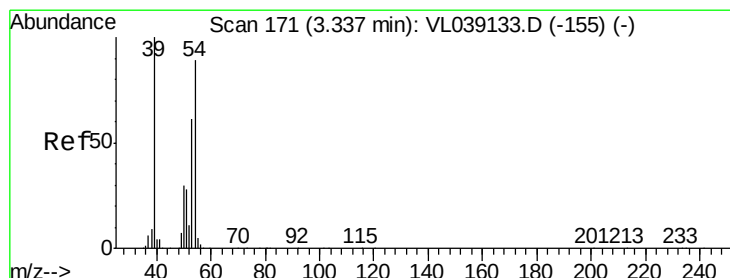
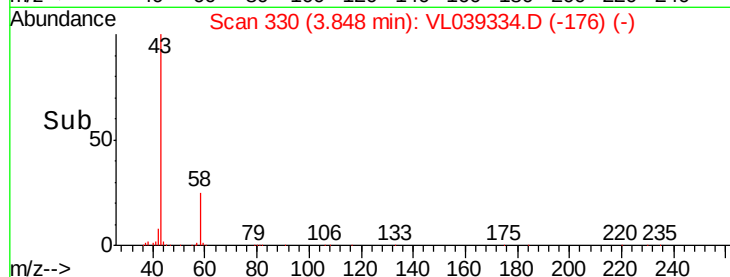
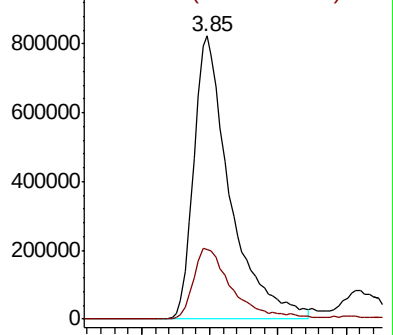
43 100

58 26.8 22.5 33.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.533 ppbv

RT: 3.33 min Scan# 169

Delta R.T. -0.01 min

Lab File: VL039334.D

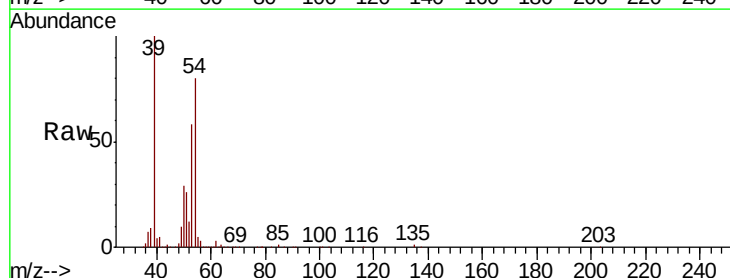
Acq: 23 Jun 2022 00:04

Tgt Ion: 39 Resp: 683392

Ion Ratio Lower Upper

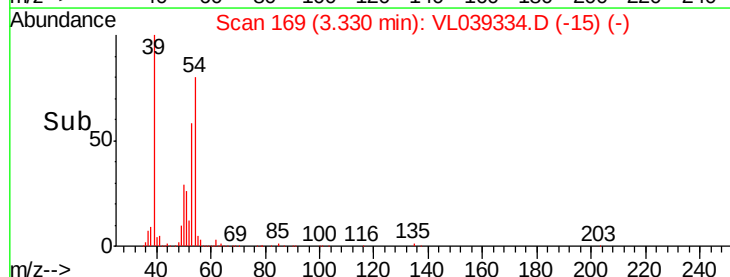
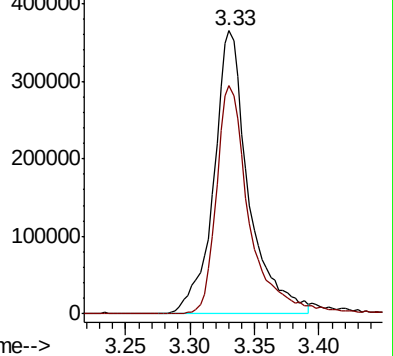
39 100

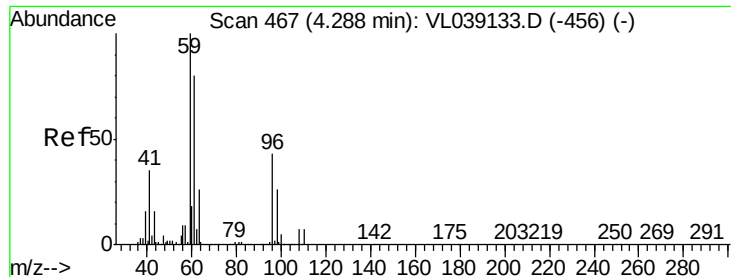
54 78.1 65.8 98.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 12.104 ppbv

RT: 4.28 Instrument: MSVOA_1

Delta R.T. -0.01 min

Lab File: ClientSampleId: VSTDCCC010EC

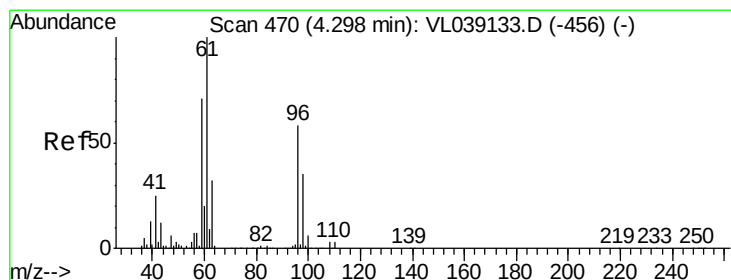
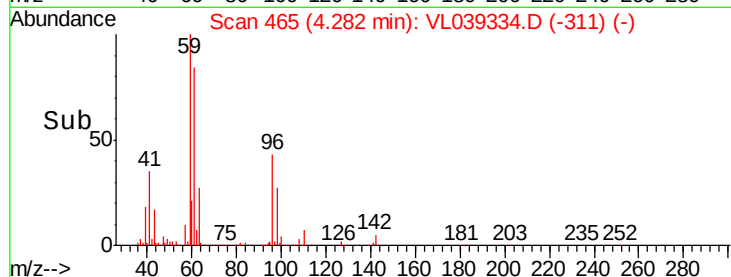
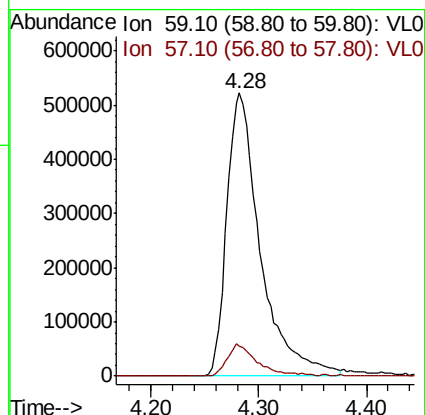
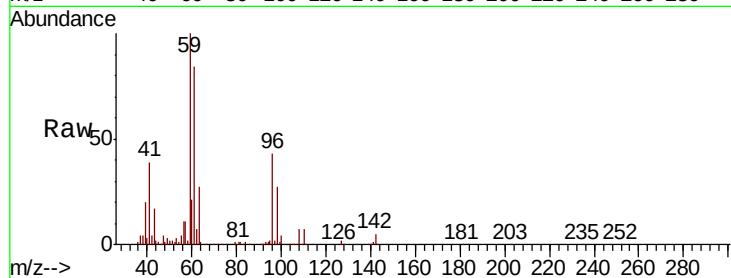
Acq: 23 Jun 2022 00:04

Tot Ion: 59 Resp: 1133096

Ion Ratio Lower Upper

59 100

57 11.1 9.1 13.7



#18

1,1-Dichloroethene

Concen: 10.407 ppbv

RT: 4.29 min Scan# 467

Delta R.T. -0.01 min

Lab File: VL039334.D

Acq: 23 Jun 2022 00:04

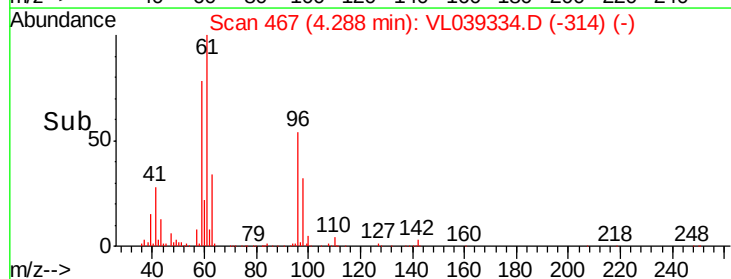
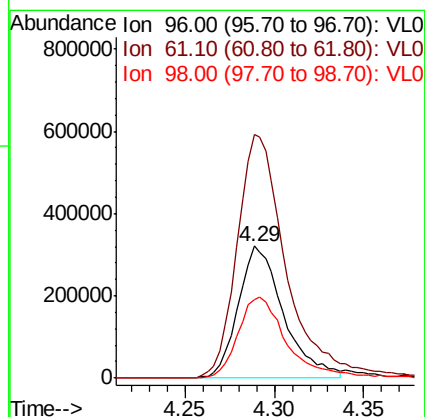
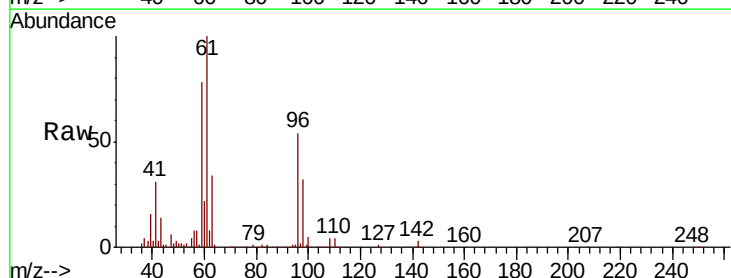
Tgt Ion: 96 Resp: 568695

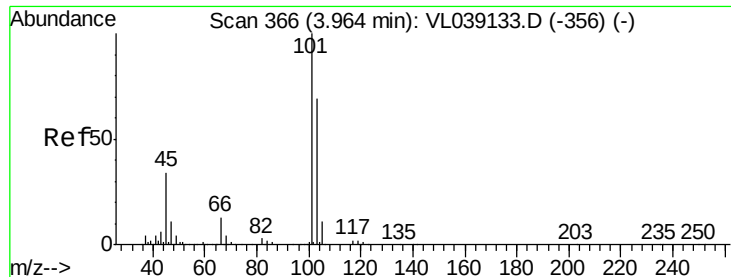
Ion Ratio Lower Upper

96 100

61 184.5 138.4 207.6

98 59.2 47.8 71.8





#19

Isopropyl Alcohol

Concen: 10.843 ppbv

RT: 3.96

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

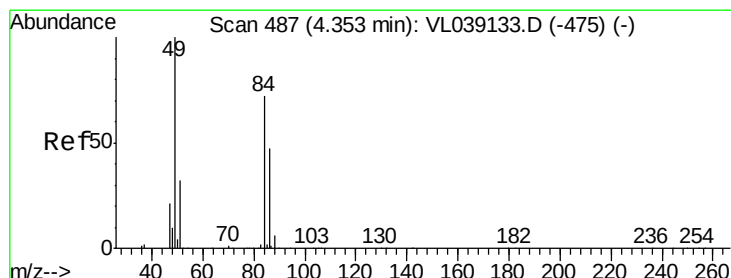
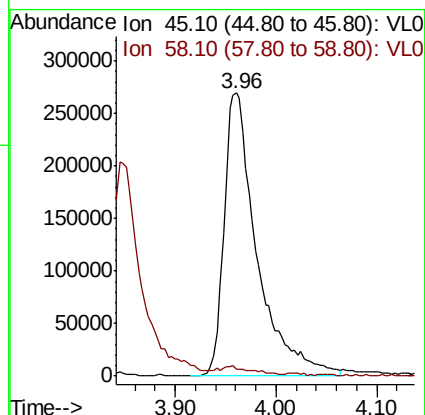
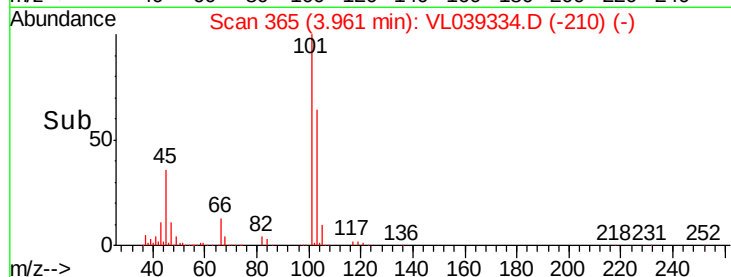
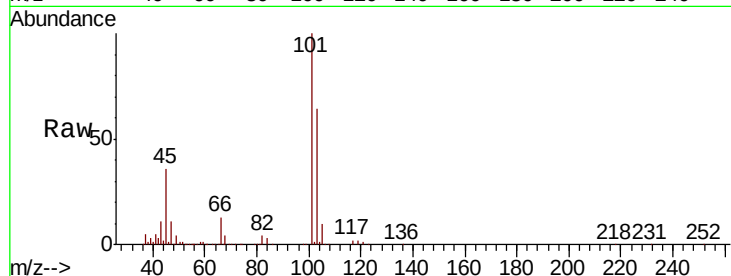
Acq: 23 Jun 2022 00:04

Tot Ion: 45 Resp: 613791

Ion Ratio Lower Upper

45 100

58 2.9 1.8 2.8#



#20

Methylene Chloride

Concen: 9.492 ppbv

RT: 4.35 min Scan# 485

Delta R.T. -0.01 min

Lab File: VL039334.D

Acq: 23 Jun 2022 00:04

Tgt Ion: 84 Resp: 482765

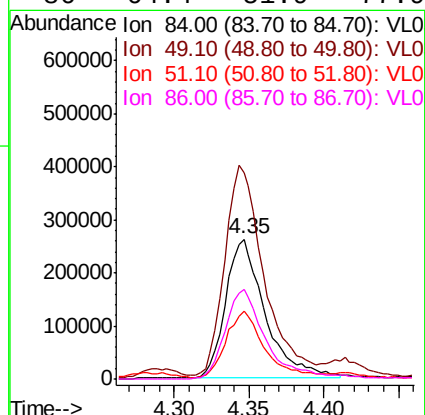
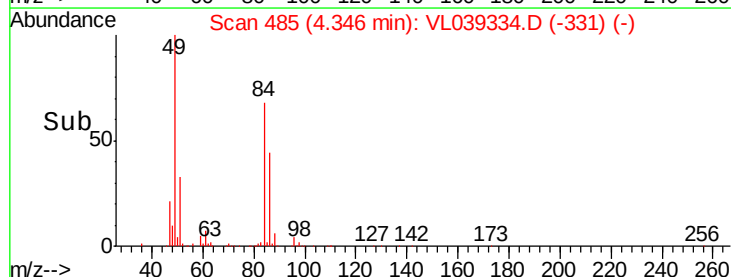
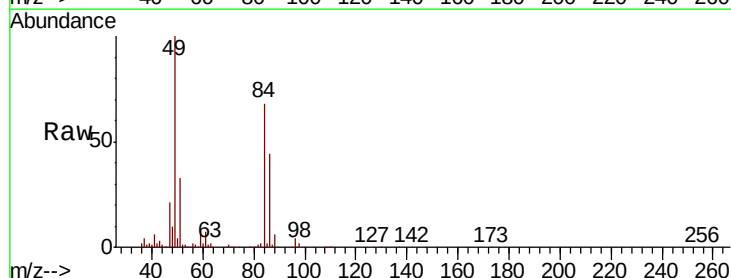
Ion Ratio Lower Upper

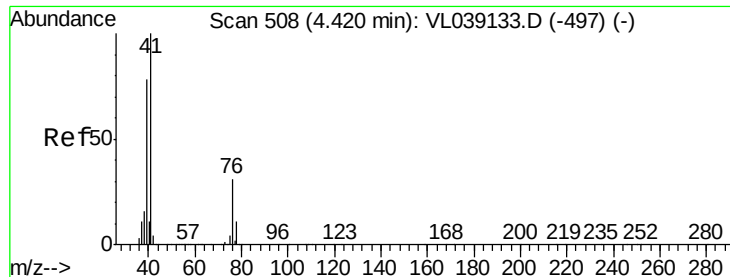
84 100

49 145.8 111.1 166.7

51 47.3 35.3 52.9

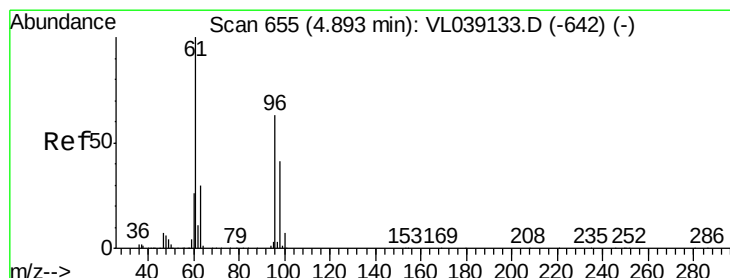
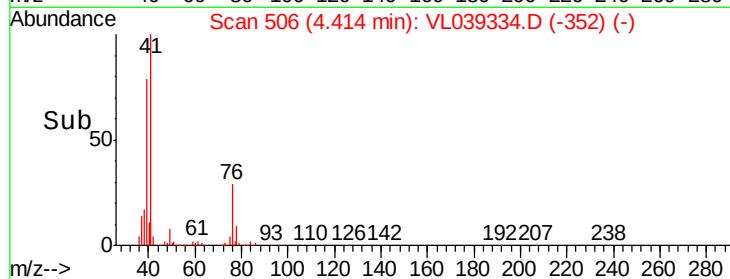
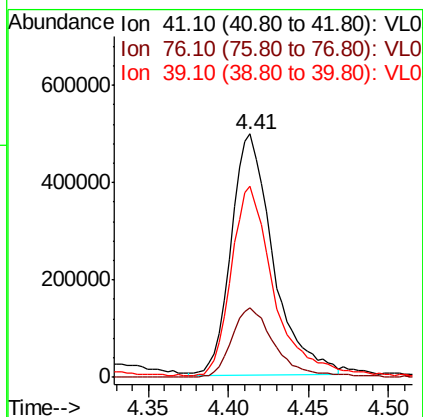
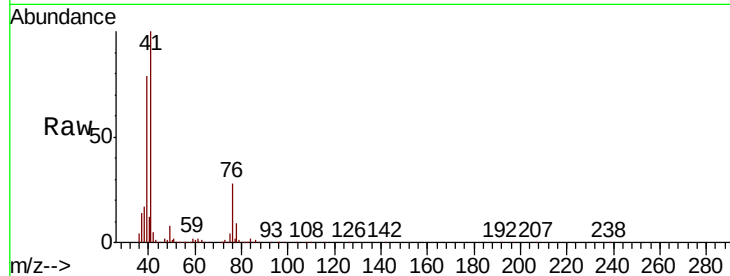
86 64.4 51.9 77.9





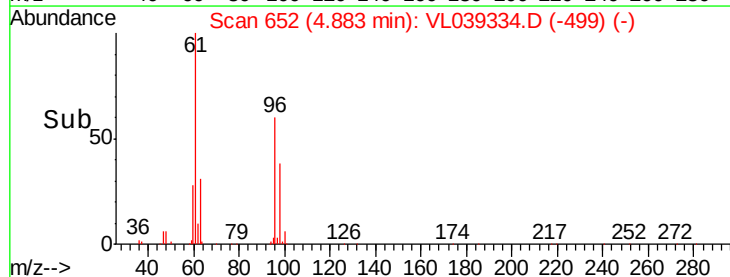
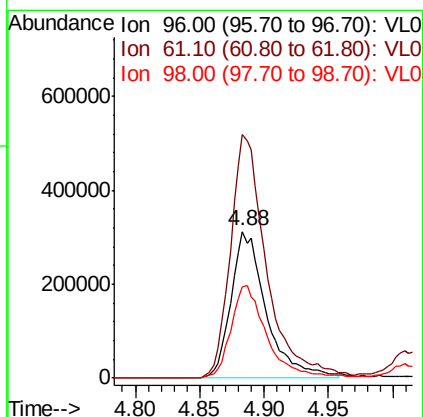
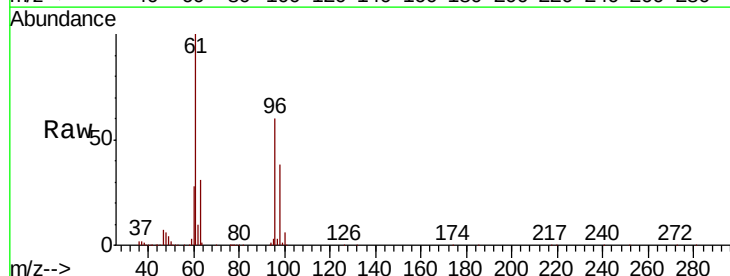
#21
 Allvl Chloride
 Concen: 10.854 ppbv
 RT: 4.41
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 23 Jun 2022 00:04

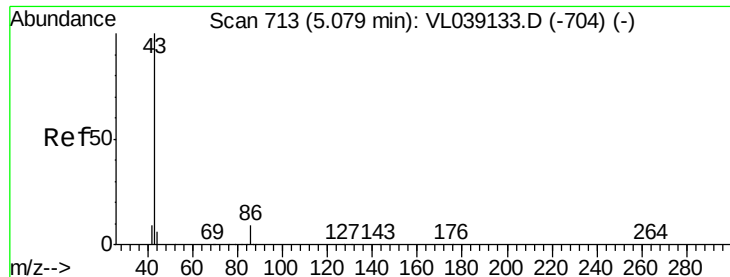
Tot Ion	Ratio	Lower	Upper
41	100		
76	30.0	24.2	36.2
39	80.3	62.2	93.2



#22
 trans-1,2-Dichloroethene
 Concen: 11.297 ppbv
 RT: 4.88 min Scan# 652
 Delta R.T. -0.01 min
 Lab File: VL039334.D
 Acq: 23 Jun 2022 00:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.3	126.6	190.0
98	62.6	52.5	78.7





#23

Vinyl Acetate

Concen: 8.942 ppbv

RT: 5.07 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 23 Jun 2022 00:04

Tot Ion: 43 Resp: 892942

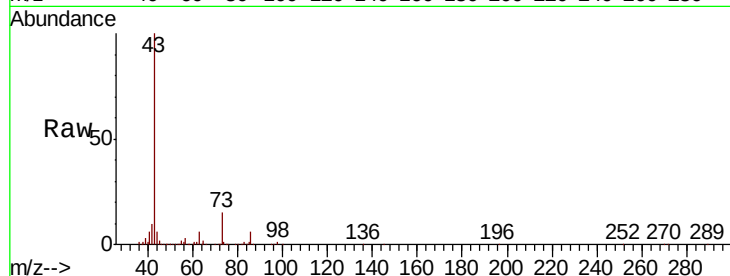
Ion Ratio Lower Upper

43 100

86 6.1 6.0 9.0

42 10.0 8.2 12.4

44 5.2 4.3 6.5

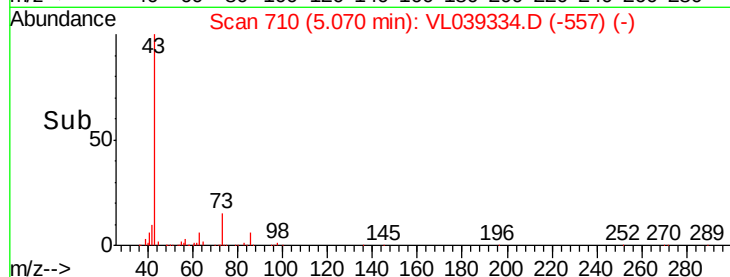


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



Abundance

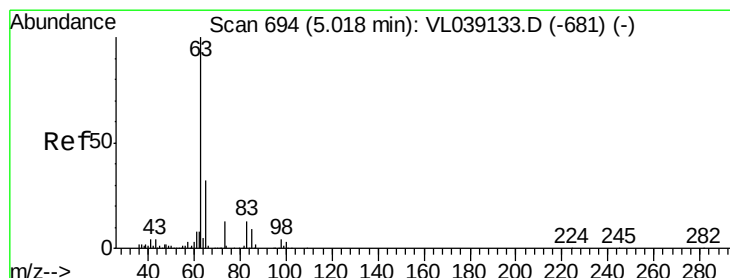
5.07

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 8.929 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.01 min

Lab File: VL039334.D

Acq: 23 Jun 2022 00:04

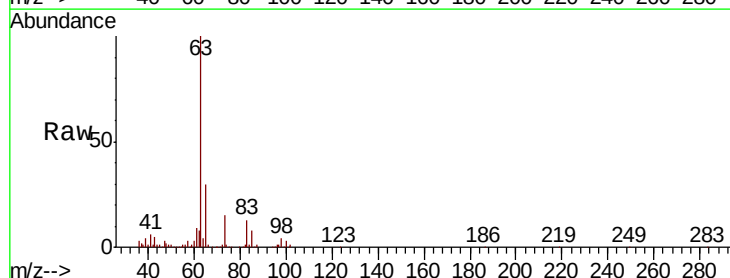
Tgt Ion: 63 Resp: 1221598

Ion Ratio Lower Upper

63 100

98 3.7 2.1 6.2

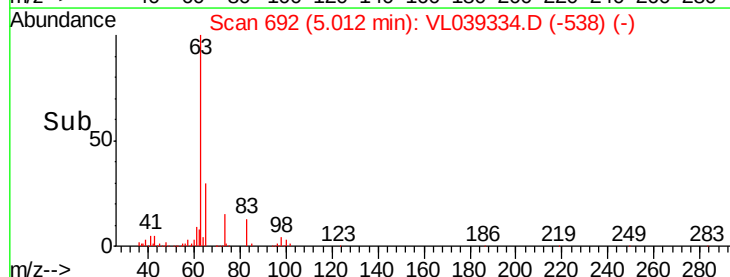
100 2.7 1.5 4.5



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



Abundance

5.01

800000

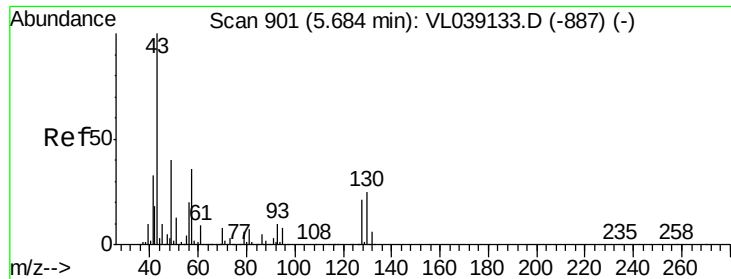
600000

400000

200000

0

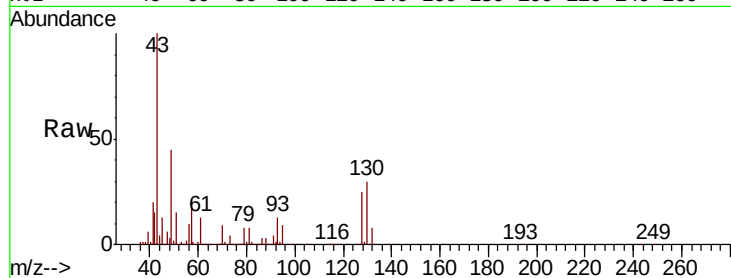
Time-->



#25
Ethyl Acetate
Concen: 10.887 ppbv
RT: 5.67
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 23 Jun 2022 00:04

Tot Ion: 43 Resp: 2961583

Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.2	12.2
61	10.5	8.4	12.6
70	7.5	5.6	8.4



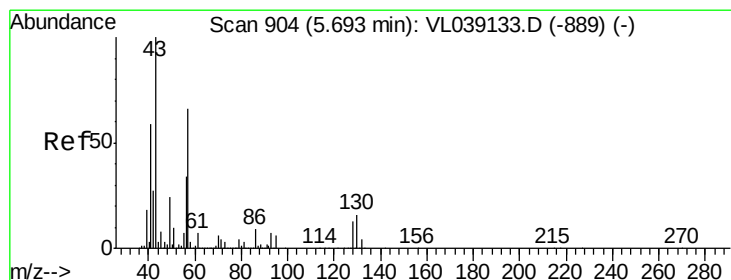
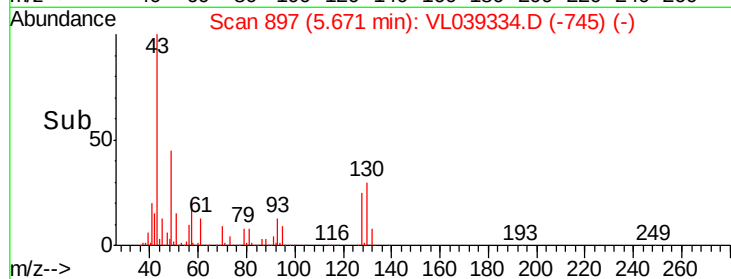
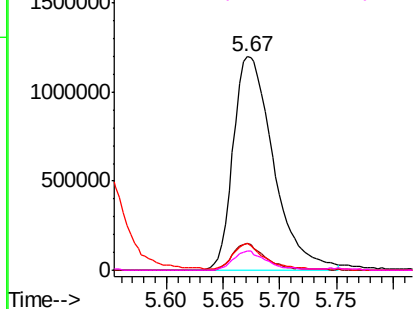
Abundance

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

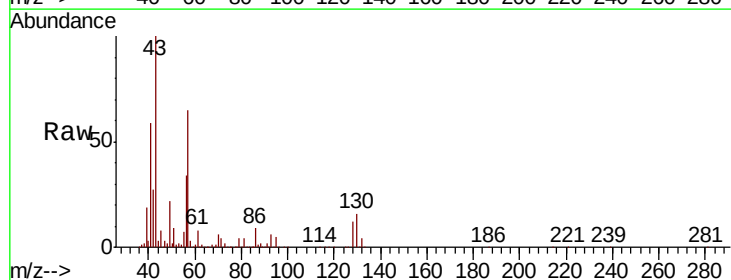
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.665 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL039334.D
Acq: 23 Jun 2022 00:04

Tgt Ion: 57 Resp: 1155294

Ion	Ratio	Lower	Upper
57	100		
41	96.3	72.4	108.6
43	261.8	187.0	280.6
56	53.5	41.8	62.6



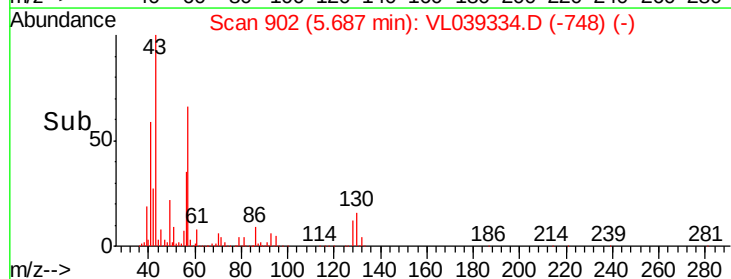
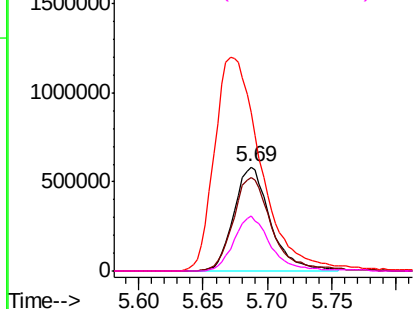
Abundance

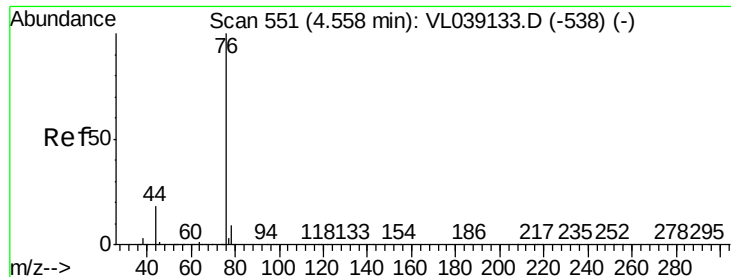
Ion 57.10 (56.80 to 57.80): VL0

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: 11.265 ppbv

RT: 4.55 Instrument: MSVOA_L

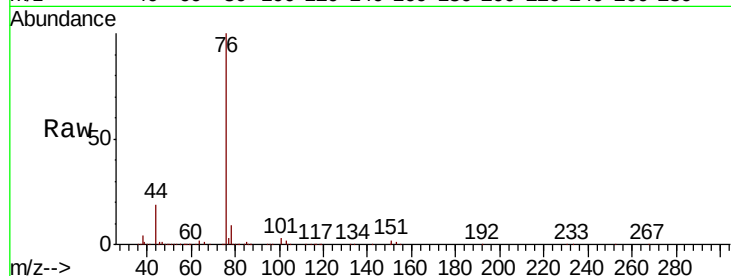
Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

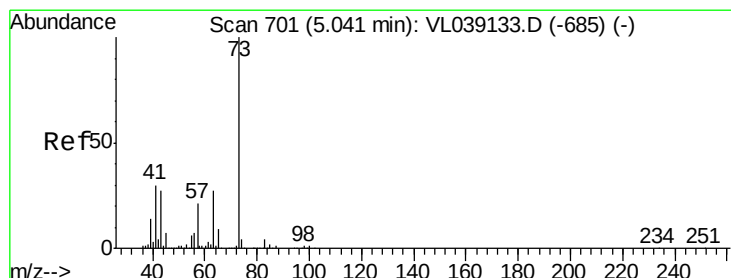
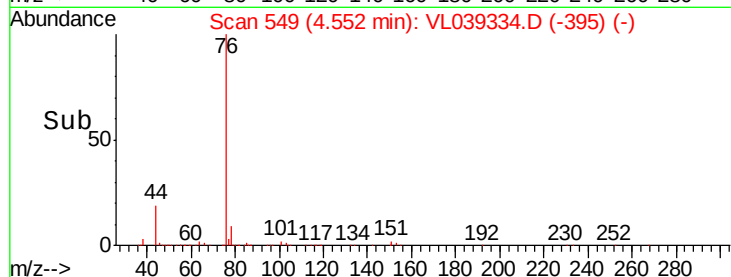
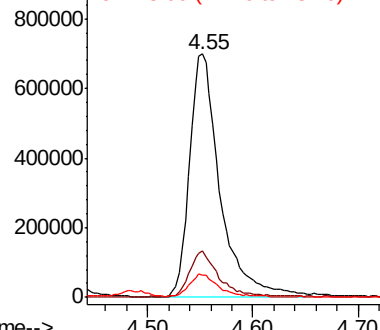
Acq: 23 Jun 2022 00:04

Tot Ion: 76 Resp: 1395711

Ion	Ratio	Lower	Upper
76	100		
44	18.2	14.4	21.6
78	9.7	7.7	11.5



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: 8.411 ppbv

RT: 5.03 min Scan# 698

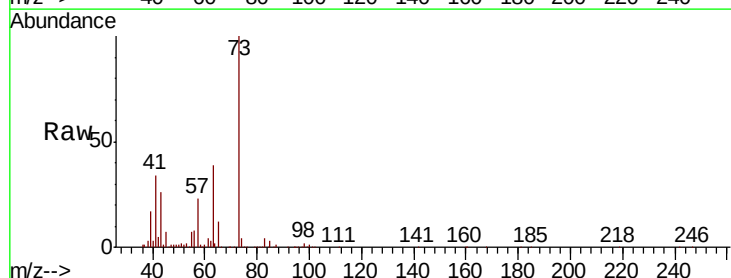
Delta R.T. -0.01 min

Lab File: VL039334.D

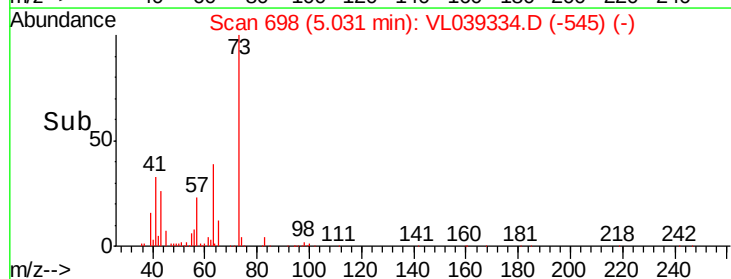
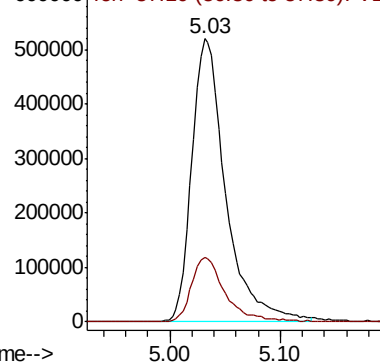
Acq: 23 Jun 2022 00:04

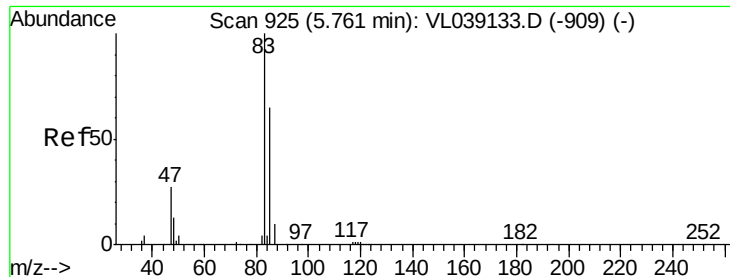
Tgt Ion: 73 Resp: 1109921

Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.6	27.8



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.385 ppbv

RT: 5.75 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

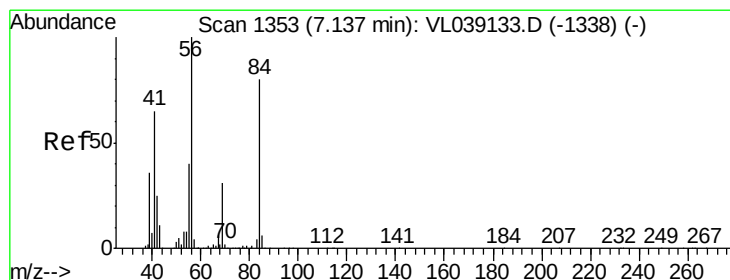
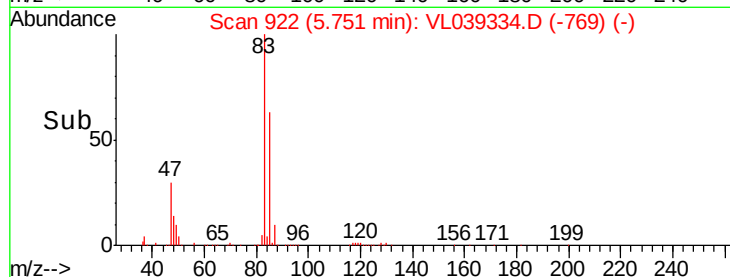
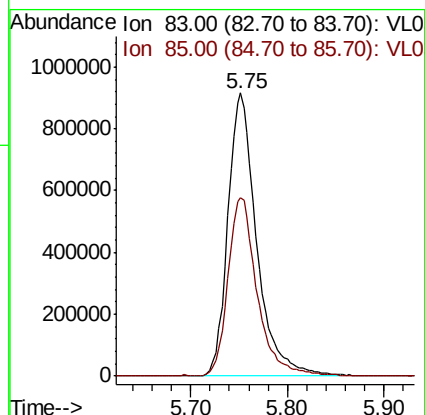
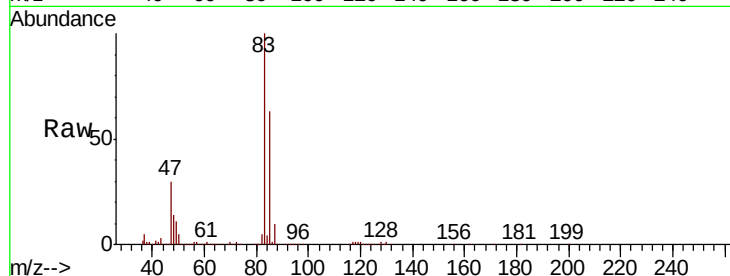
Acq: 23 Jun 2022 00:04

Tot Ion: 83 Resp: 1887813

Ion Ratio Lower Upper

83 100

85 63.0 52.4 78.6



#30

Cyclohexane

Concen: 9.665 ppbv

RT: 7.13 min Scan# 1351

Delta R.T. -0.01 min

Lab File: VL039334.D

Acq: 23 Jun 2022 00:04

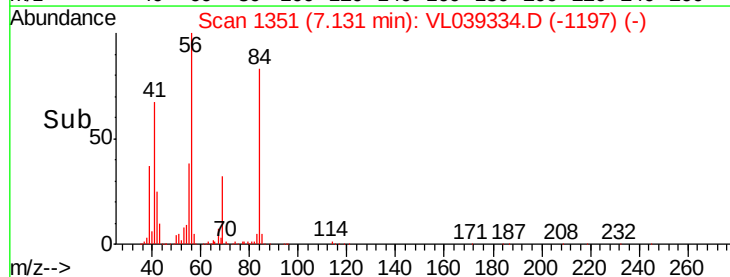
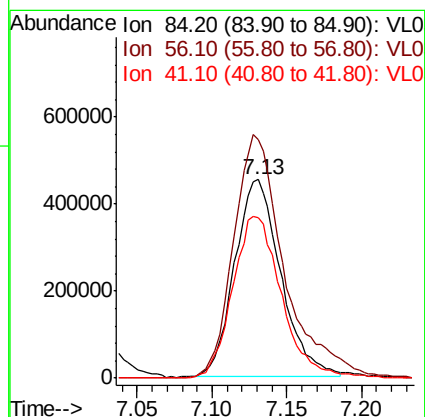
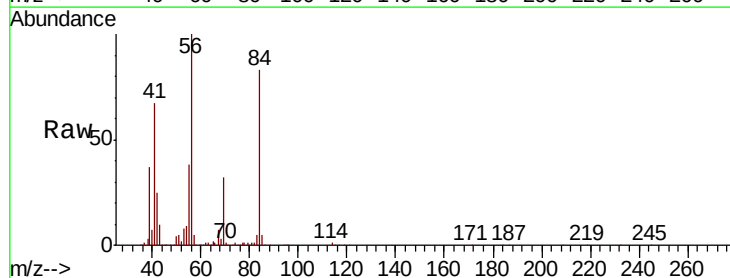
Tgt Ion: 84 Resp: 970621

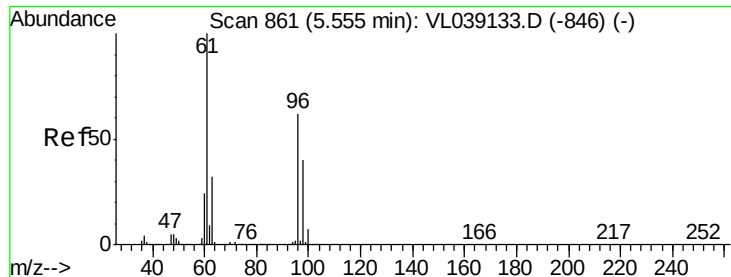
Ion Ratio Lower Upper

84 100

56 136.9 110.6 165.8

41 87.2 68.9 103.3

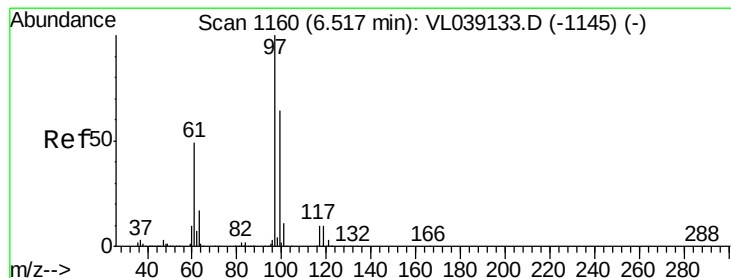
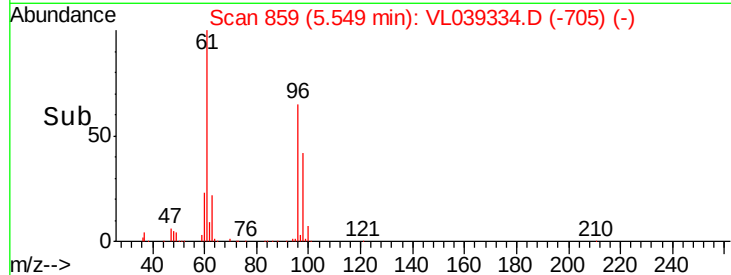
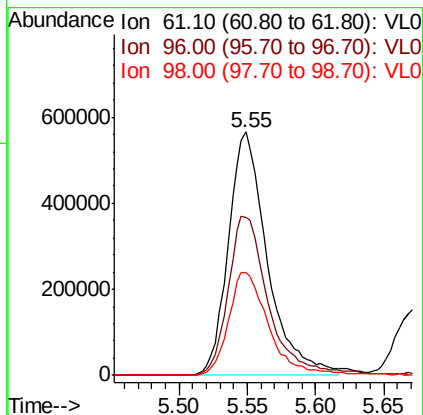
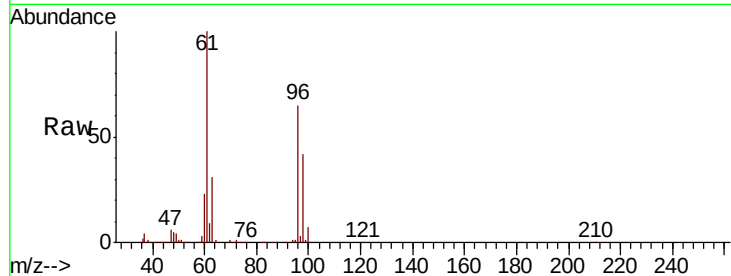




#31
 cis-1,2-Dichloroethene
 Concen: 9.192 ppbv
 RT: 5.55
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 23 Jun 2022 00:04

Tot Ion: 61 Resp: 1120432

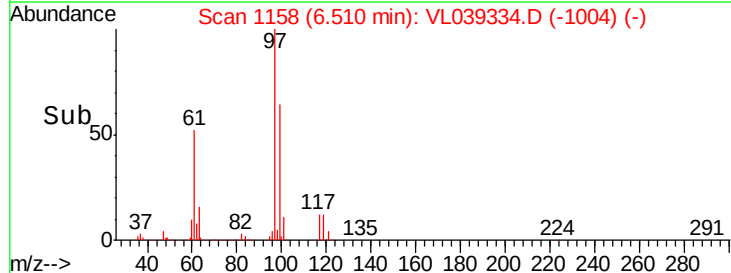
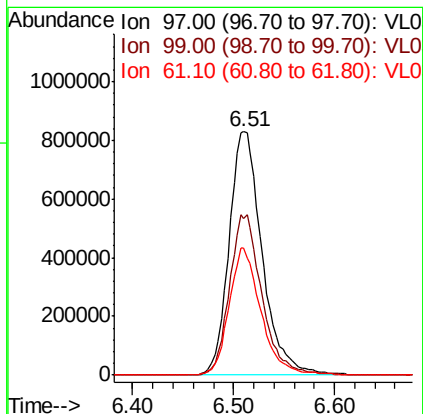
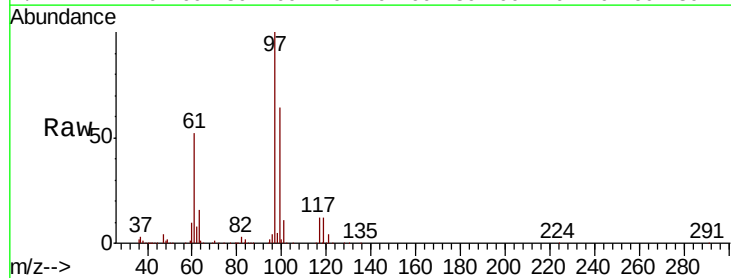
Ion	Ratio	Lower	Upper
61	100		
96	64.8	49.9	74.9
98	42.2	32.0	48.0

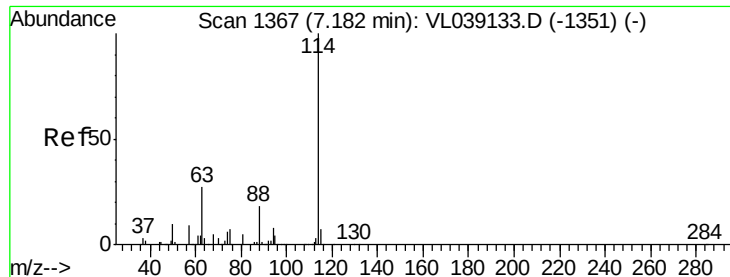


#32
 1,1,1-Trichloroethane
 Concen: 9.615 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: VL039334.D
 Acq: 23 Jun 2022 00:04

Tgt Ion: 97 Resp: 1892462

Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.1	78.1
61	50.4	40.0	60.0

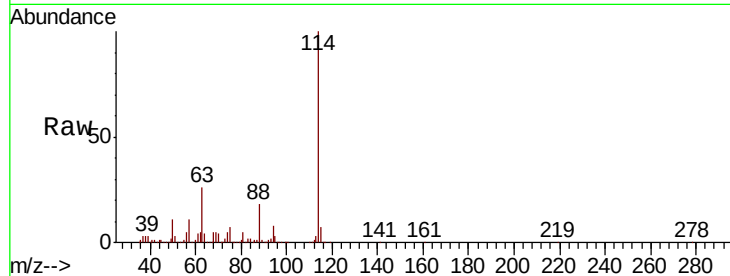




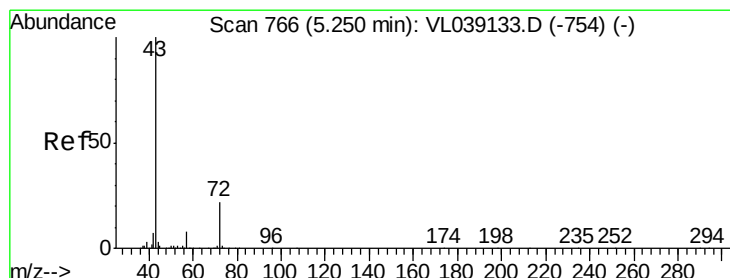
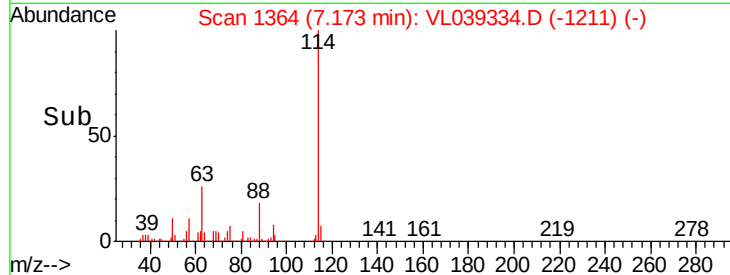
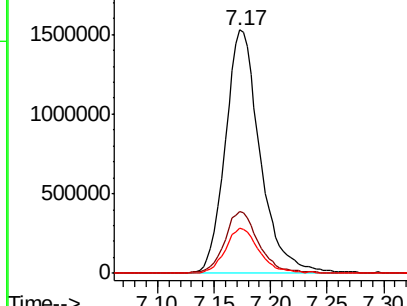
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 23 Jun 2022 00:04

Tot Ion:114 Resp: 3258029

Ion	Ratio	Lower	Upper
114	100		
63	25.5	21.7	32.5
88	18.2	14.8	22.2



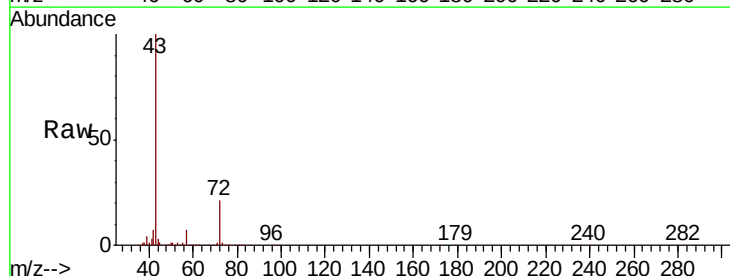
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



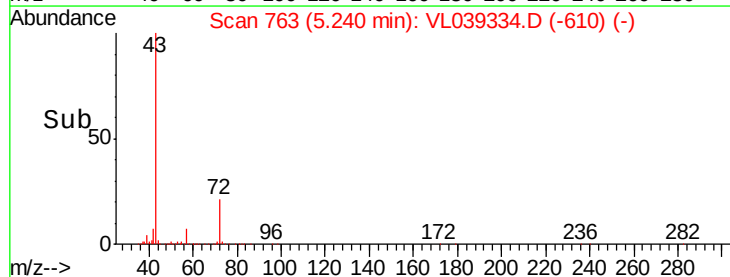
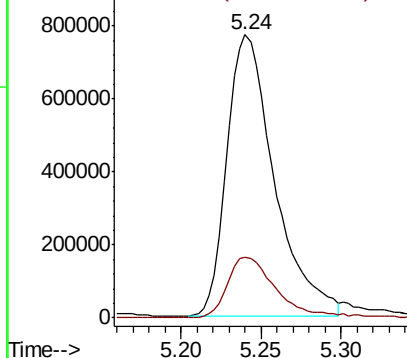
#34
 2-Butanone
 Concen: 8.906 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VL039334.D
 Acq: 23 Jun 2022 00:04

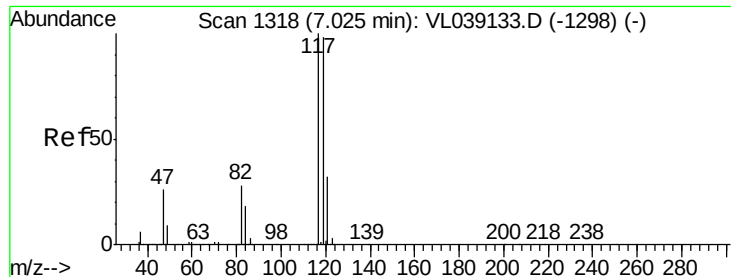
Tgt Ion: 43 Resp: 1576442

Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.2	27.2



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 8.415 ppbv

RT: 7.02 Instrument: MSVOA_L

Delta R.T.

Lab File: ClientSampleId:

Acq: 23 Jun 2022 00:04 VSTDCCC010EC

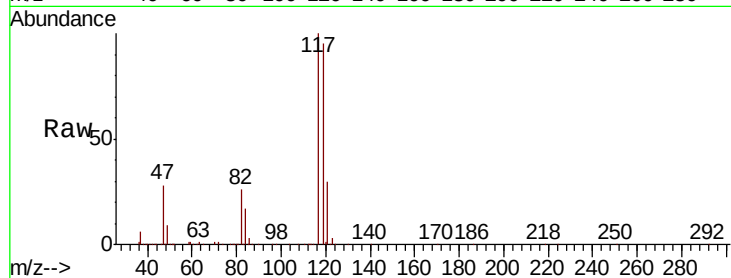
Tot Ion:117 Resp: 2001159

Ion Ratio Lower Upper

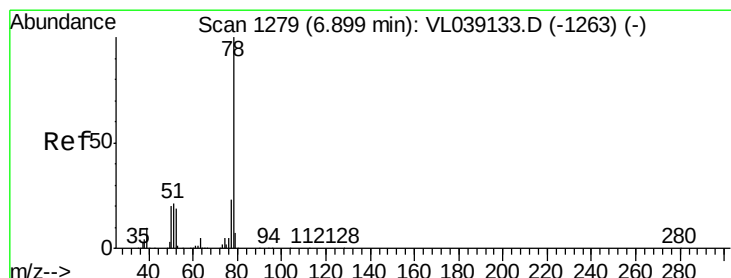
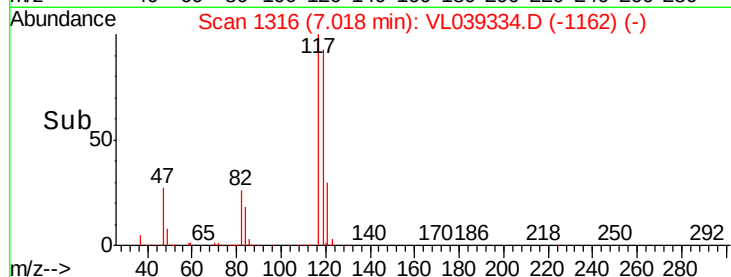
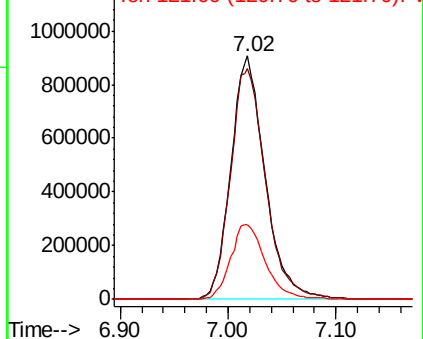
117 100

119 94.7 78.6 118.0

121 30.5 25.4 38.0



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: 9.062 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.01 min

Lab File: VL039334.D

Acq: 23 Jun 2022 00:04

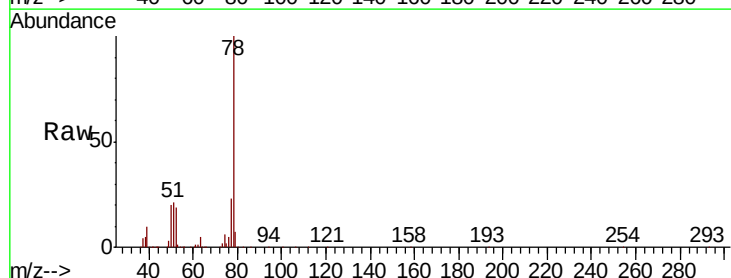
Tgt Ion: 78 Resp: 2396904

Ion Ratio Lower Upper

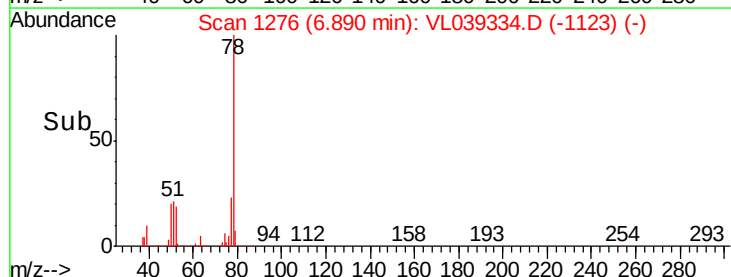
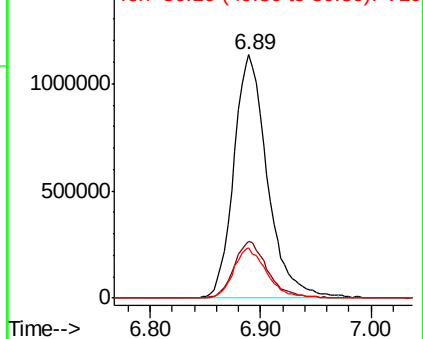
78 100

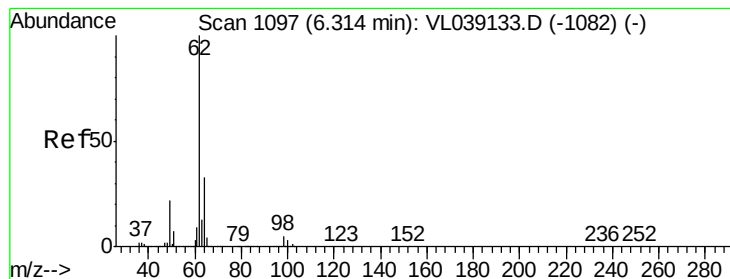
77 23.1 18.6 27.8

50 20.4 15.8 23.8



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: 8.177 ppbv

RT: 6.30 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

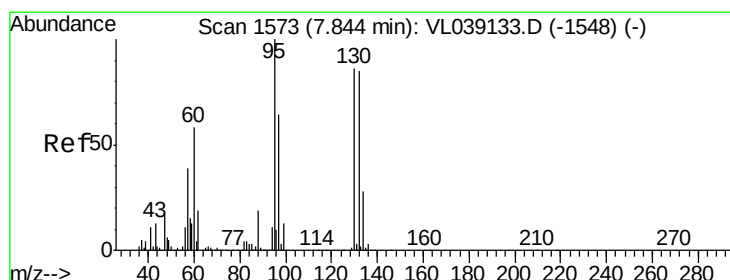
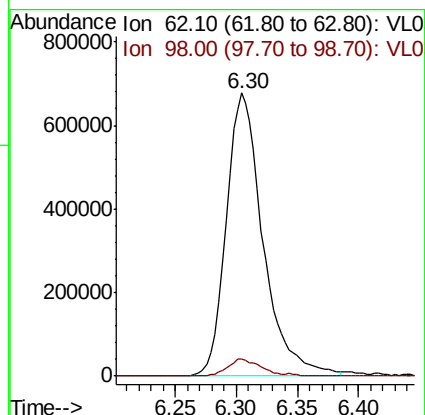
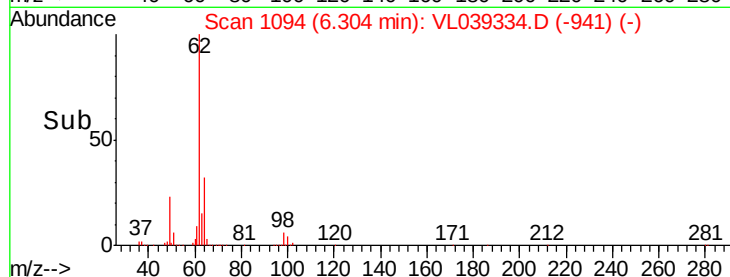
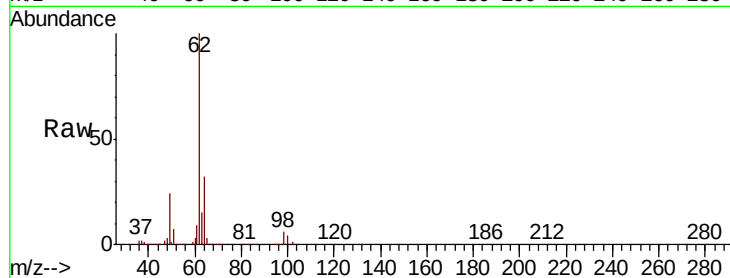
Acq: 23 Jun 2022 00:04

Tot Ion: 62 Resp: 1423357

Ion Ratio Lower Upper

62 100

98 6.0 4.3 6.5



#38

Trichloroethene

Concen: 8.719 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VL039334.D

Acq: 23 Jun 2022 00:04

Tgt Ion:130 Resp: 1059260

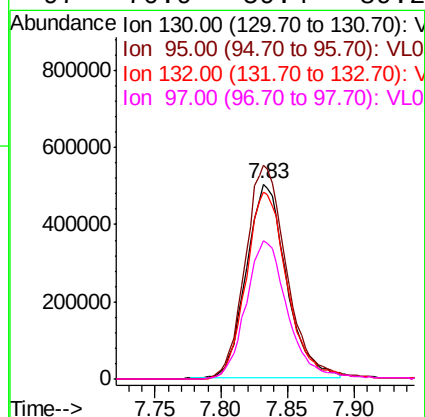
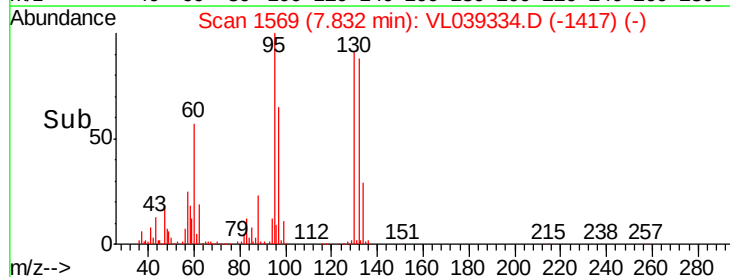
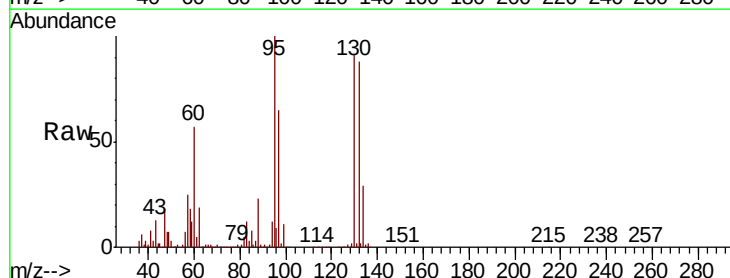
Ion Ratio Lower Upper

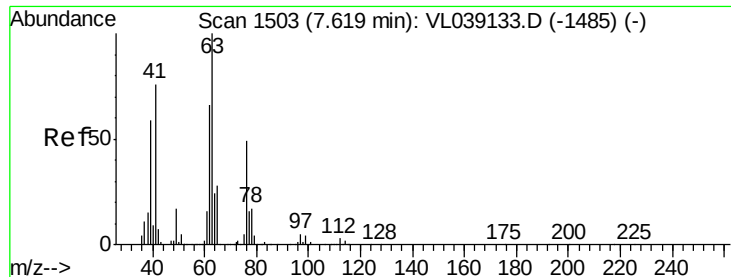
130 100

95 109.9 93.3 139.9

132 96.5 79.0 118.4

97 70.9 59.4 89.2





#39

1,2-Dichloropropane

Concen: 8.440 ppbv

RT: 7.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Jun 2022 00:04 VSTDCCC010EC

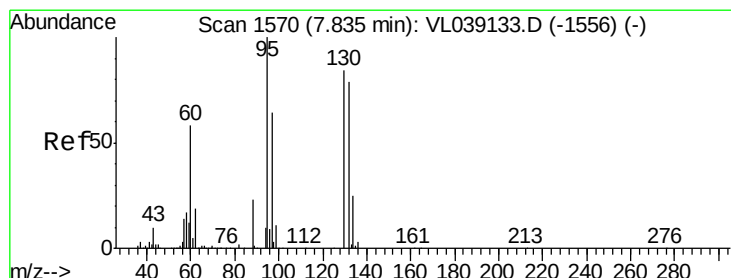
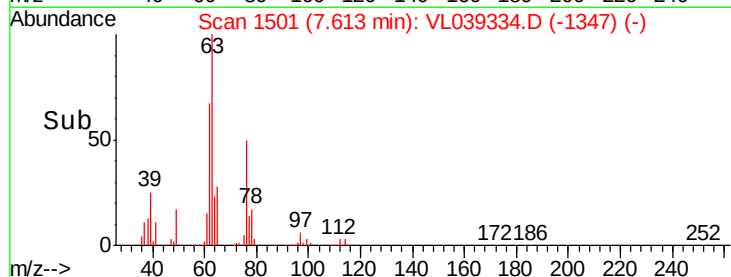
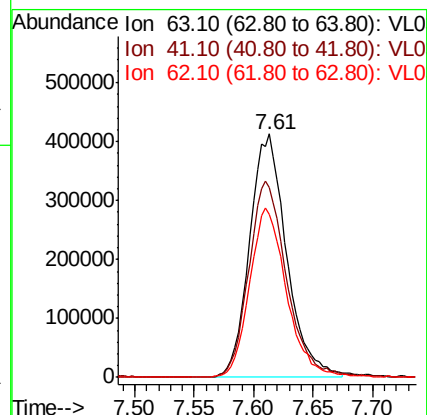
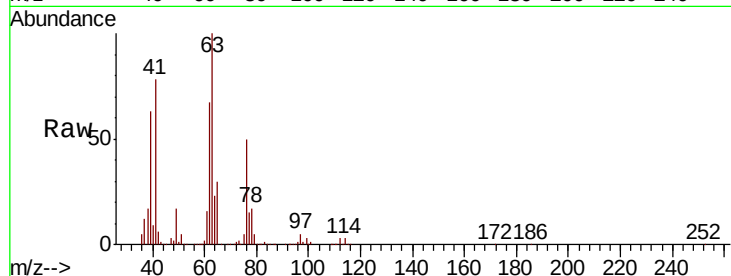
Tot Ion: 63 Resp: 887997

Ion Ratio Lower Upper

63 100

41 78.1 60.8 91.2

62 66.8 52.9 79.3



#40

1,4-Dioxane

Concen: 8.746 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VL039334.D

Acq: 23 Jun 2022 00:04

Tgt Ion: 88 Resp: 302940

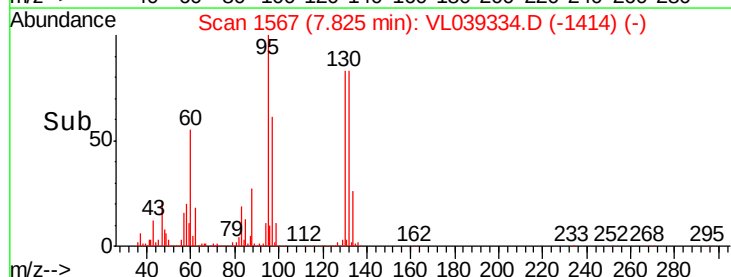
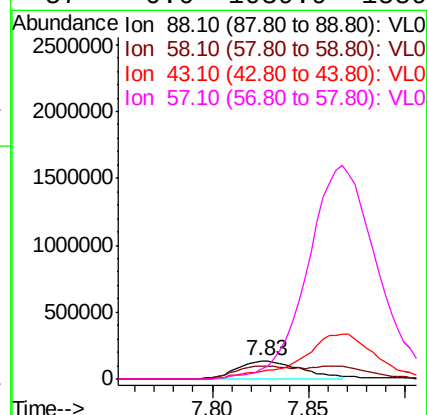
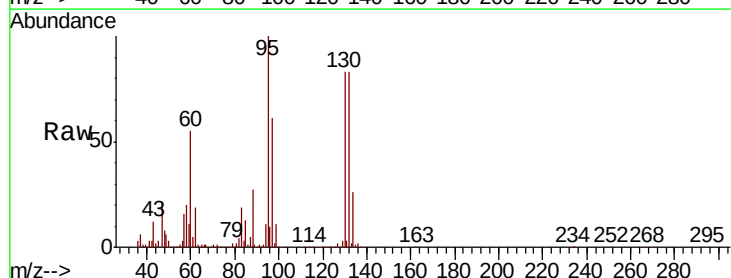
Ion Ratio Lower Upper

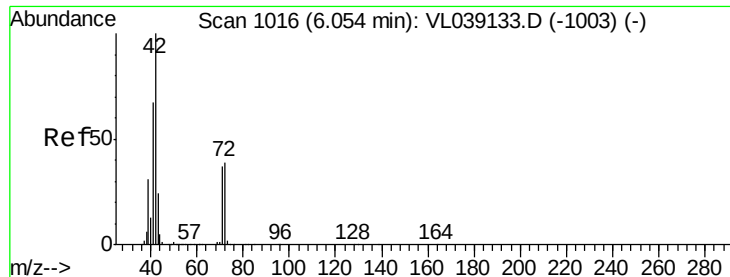
88 100

58 66.7 111.2 166.8#

43 0.0 234.2 351.4#

57 0.0 1039.9 1559.9#





#41

Tetrahydrofuran

Concen: 8.482 ppbv

RT: 6.05 Instrument: MSVOA_1

Delta R.T. -0.01 min

Lab File: ClientSampleId: VSTDCCC010EC

Acq: 23 Jun 2022 00:04

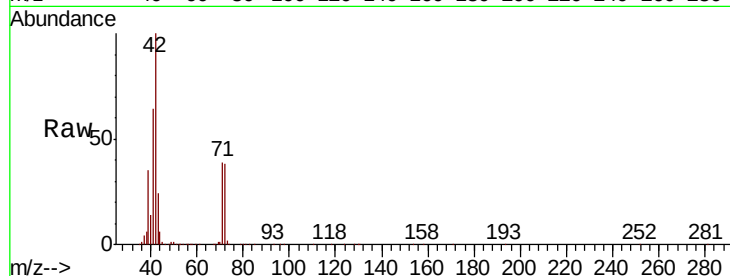
Tot Ion: 42 Resp: 902963

Ion Ratio Lower Upper

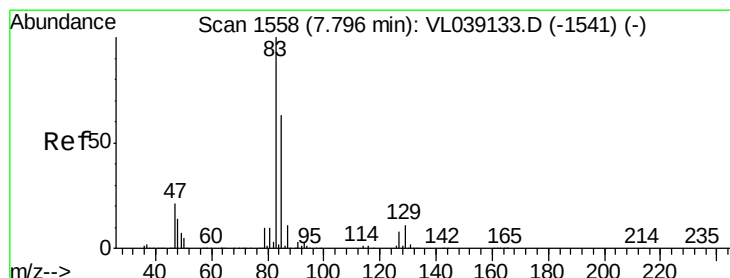
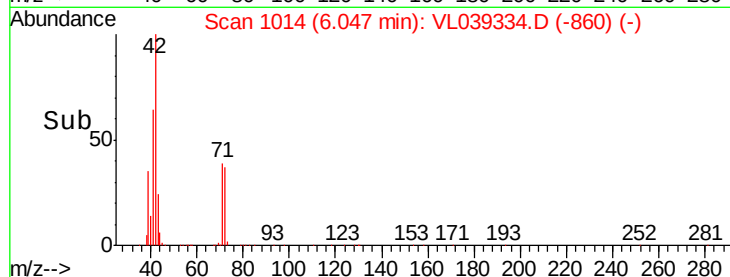
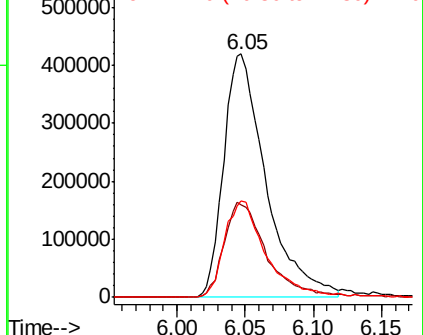
42 100

72 40.2 32.0 48.0

71 39.9 31.1 46.7



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: 8.331 ppbv

RT: 7.79 min Scan# 1556

Delta R.T. -0.01 min

Lab File: VL039334.D

Acq: 23 Jun 2022 00:04

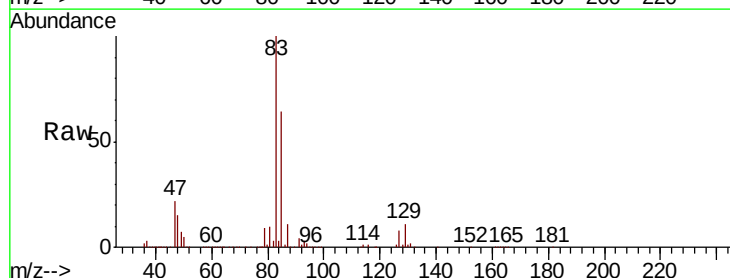
Tgt Ion: 83 Resp: 2012579

Ion Ratio Lower Upper

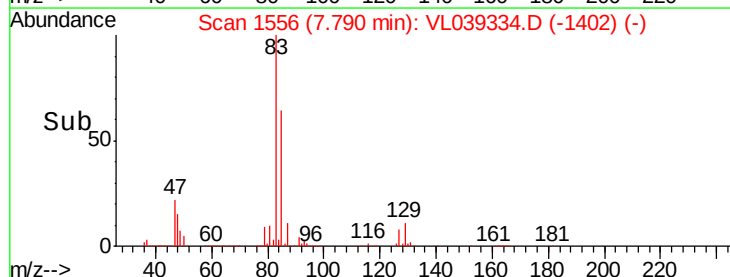
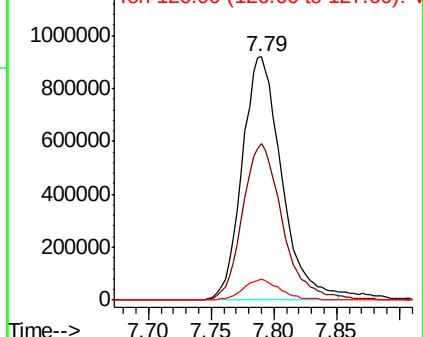
83 100

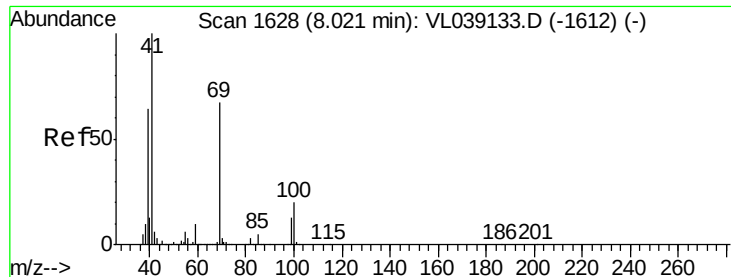
85 64.0 50.2 75.4

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: 9.978 ppbv

RT: 8.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Jun 2022 00:04 VSTDCCC010EC

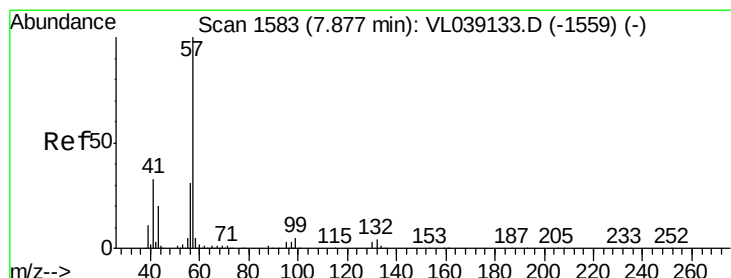
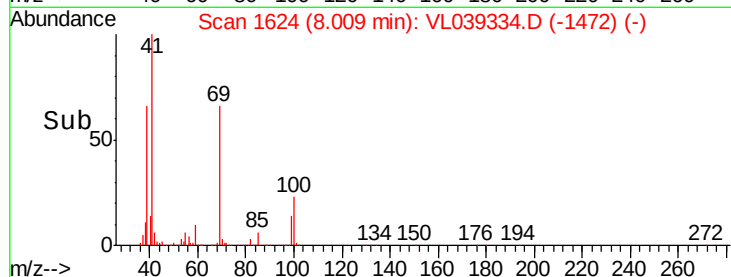
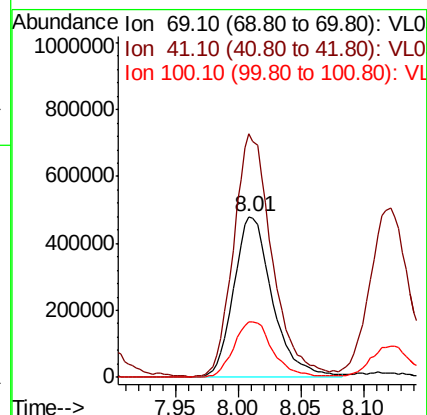
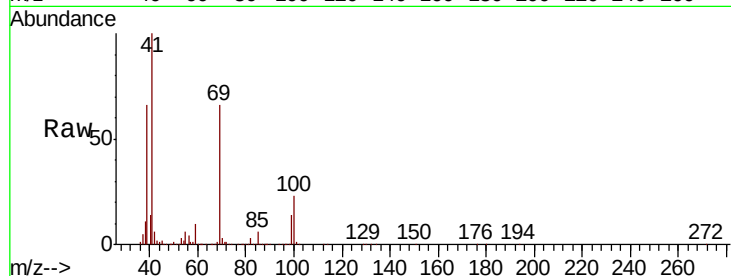
Tot Ion: 69 Resp: 1028070

Ion Ratio Lower Upper

69 100

41 151.2 121.9 182.9

100 35.2 24.1 36.1



#44

2,2,4-Trimethylpentane

Concen: 8.689 ppbv

RT: 7.87 min Scan# 1580

Delta R.T. -0.01 min

Lab File: VL039334.D

Acq: 23 Jun 2022 00:04

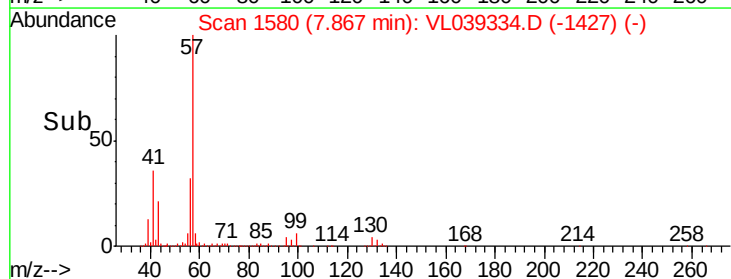
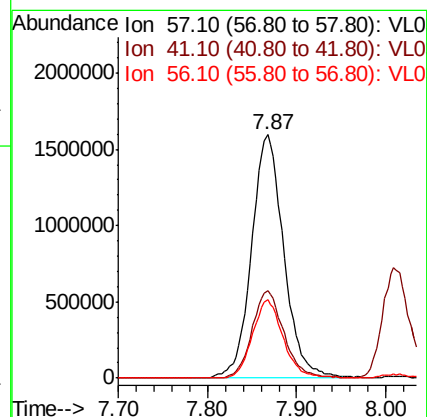
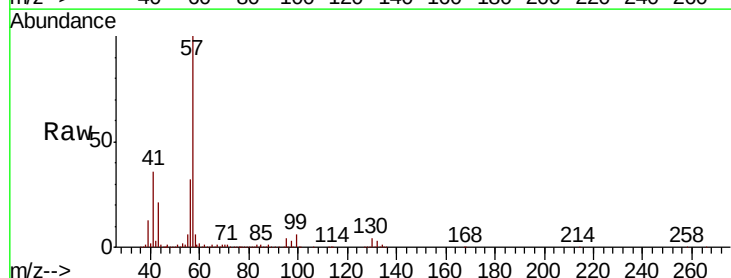
Tgt Ion: 57 Resp: 4020760

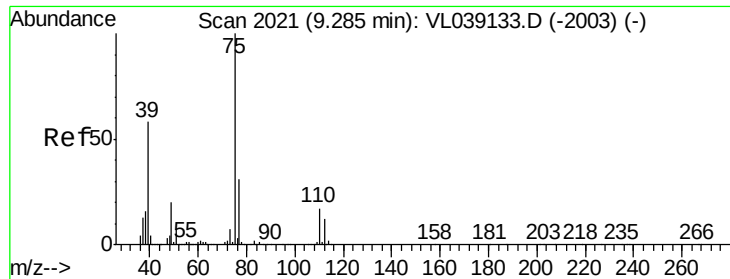
Ion Ratio Lower Upper

57 100

41 35.4 26.2 39.4

56 30.8 24.7 37.1





#45

t-1,3-Dichloropropene

Concen: 7.365 ppbv

RT: 9.28 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VSTDCCC010EC

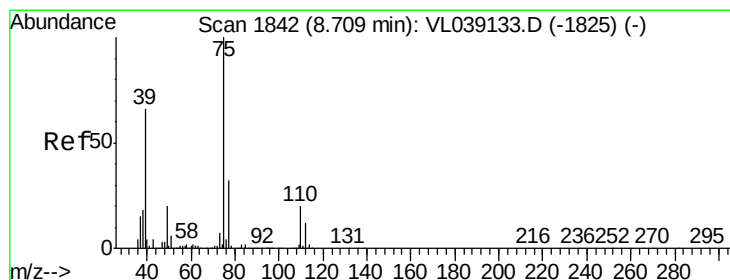
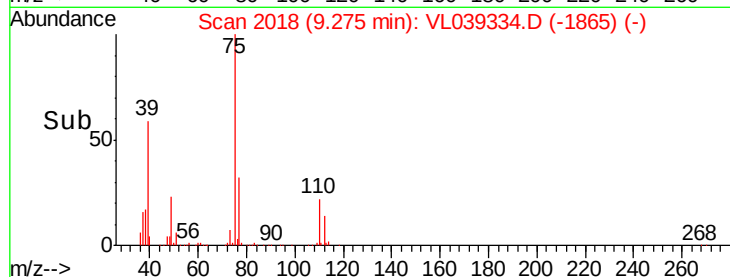
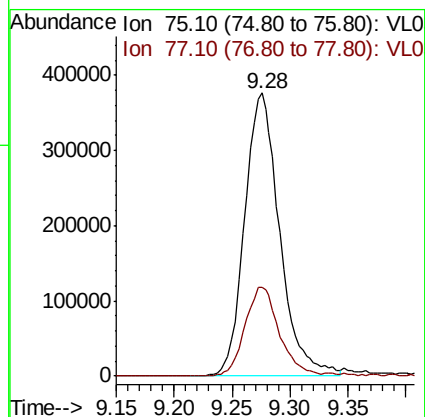
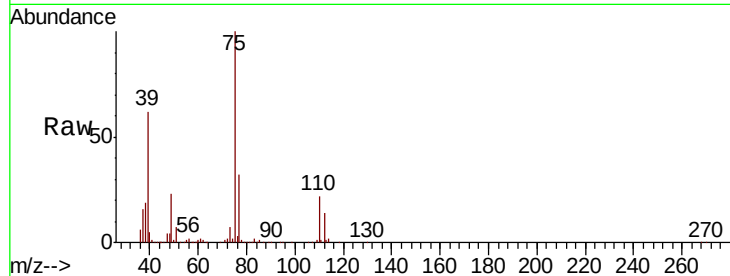
Acq: 23 Jun 2022 00:04

Tot Ion: 75 Resp: 790289

Ion Ratio Lower Upper

75 100

77 31.6 24.4 36.6



#46

cis-1,3-Dichloropropene

Concen: 7.813 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. -0.01 min

Lab File: VL039334.D

Acq: 23 Jun 2022 00:04

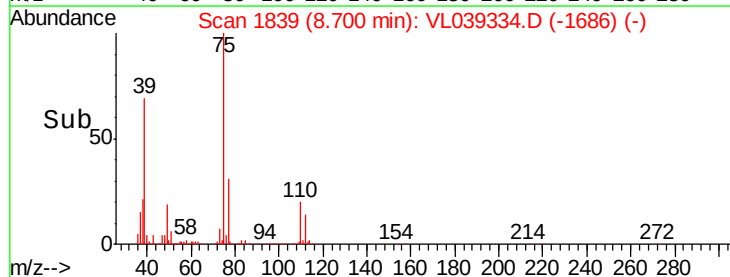
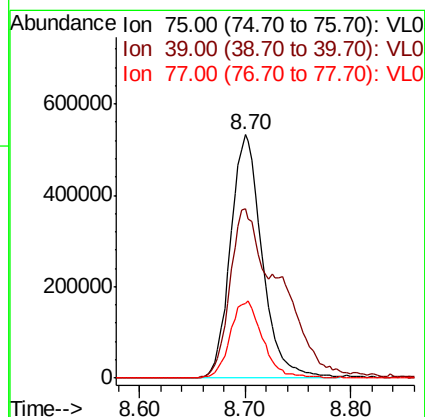
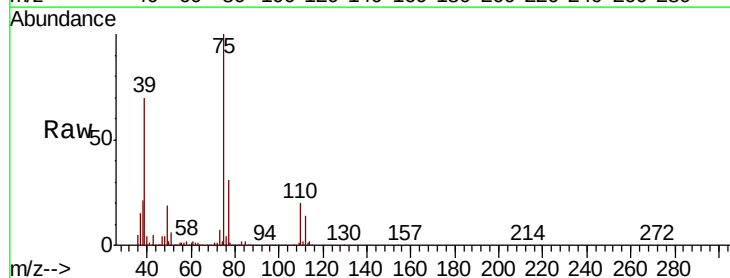
Tgt Ion: 75 Resp: 1107479

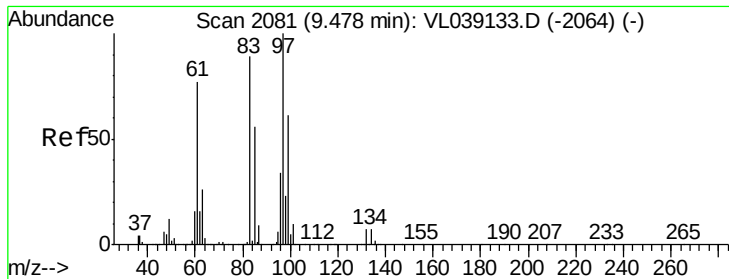
Ion Ratio Lower Upper

75 100

39 69.6 52.4 78.6

77 30.6 25.5 38.3

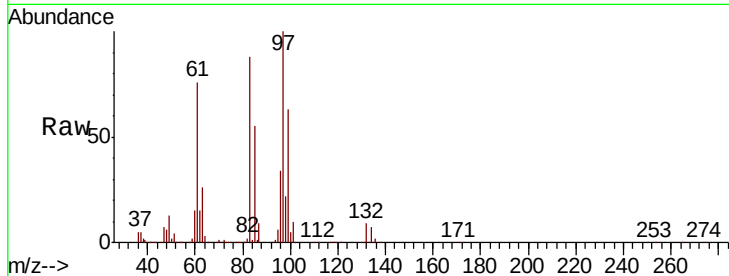




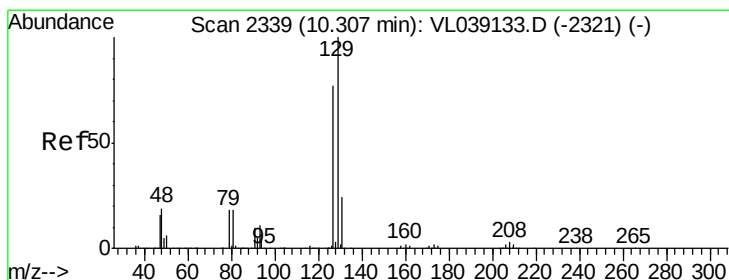
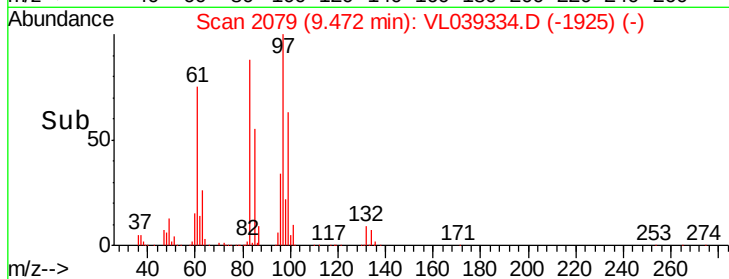
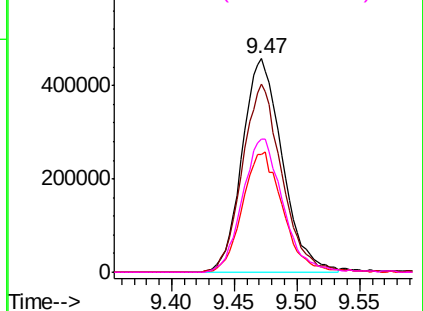
#47
 1,1,2-Trichloroethane
 Concen: 9.284 ppbv
 RT: 9.47
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 23 Jun 2022 00:04

Tot Ion: 97 Resp: 1019044

Ion	Ratio	Lower	Upper
97	100		
83	87.9	71.6	107.4
85	55.1	44.8	67.2
99	62.5	49.0	73.4



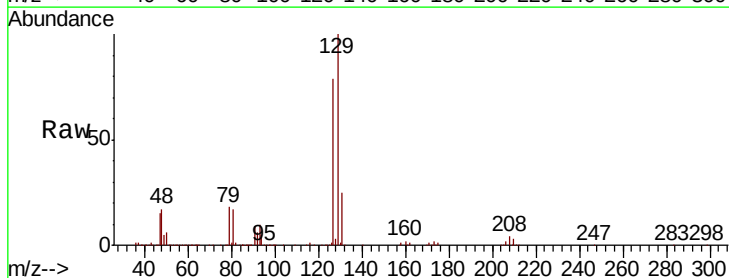
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0



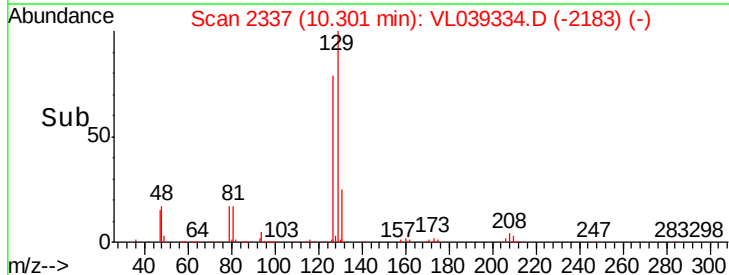
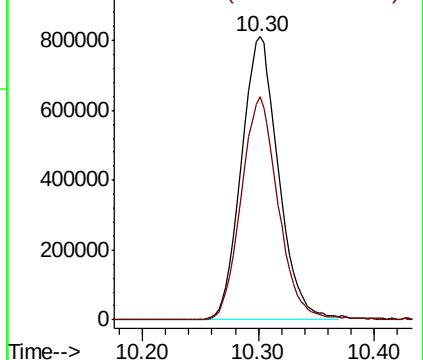
#48
 Dibromochloromethane
 Concen: 9.219 ppbv
 RT: 10.30 min Scan# 2337
 Delta R.T. -0.01 min
 Lab File: VL039334.D
 Acq: 23 Jun 2022 00:04

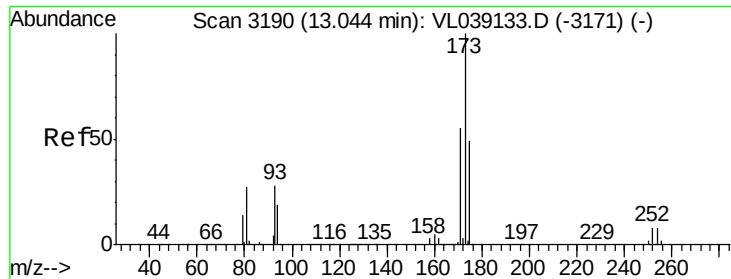
Tgt Ion: 129 Resp: 1806862

Ion	Ratio	Lower	Upper
129	100		
127	78.9	40.0	119.9



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.370 ppbv

RT: 13.04

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Jun 2022 00:04 VSTDCCC010EC

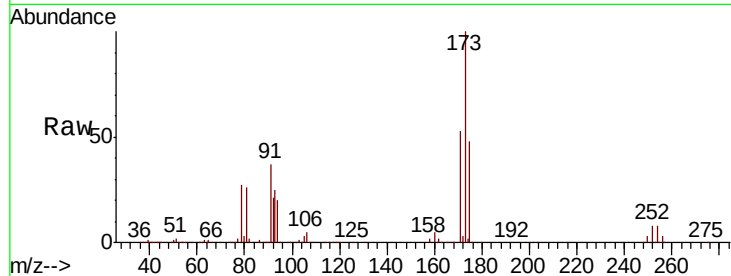
Tot Ion:173 Resp: 1530430

Ion Ratio Lower Upper

173 100

175 49.7 40.2 60.2

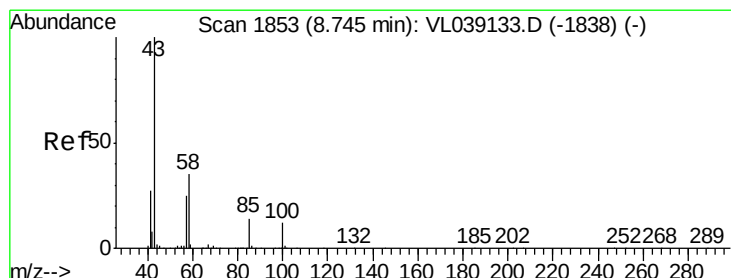
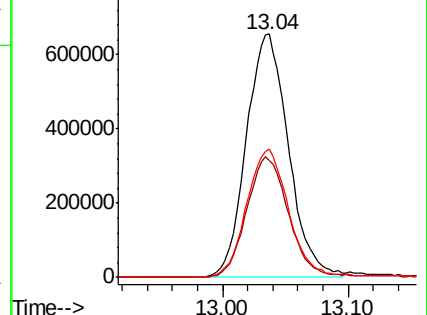
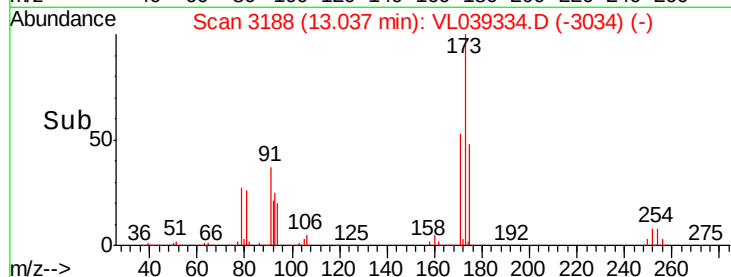
171 53.4 43.9 65.9



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: 9.359 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VL039334.D

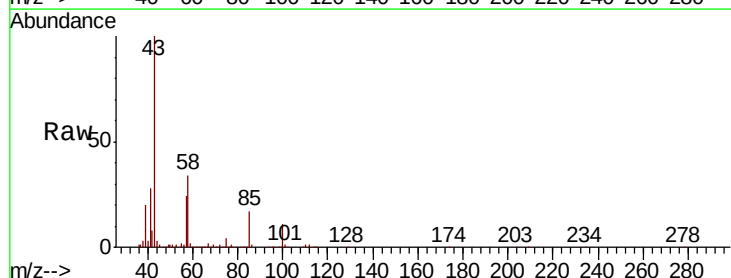
Acq: 23 Jun 2022 00:04

Tgt Ion: 43 Resp: 2479550

Ion Ratio Lower Upper

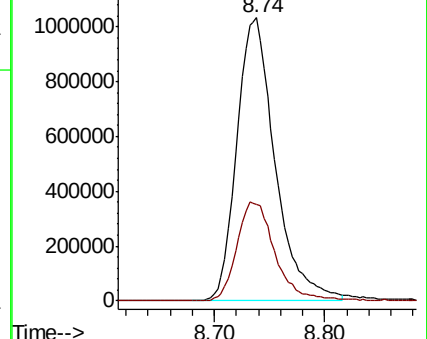
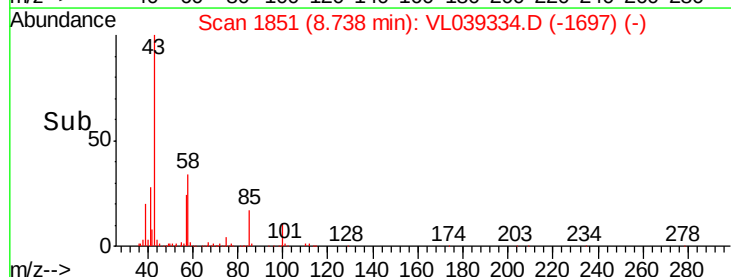
43 100

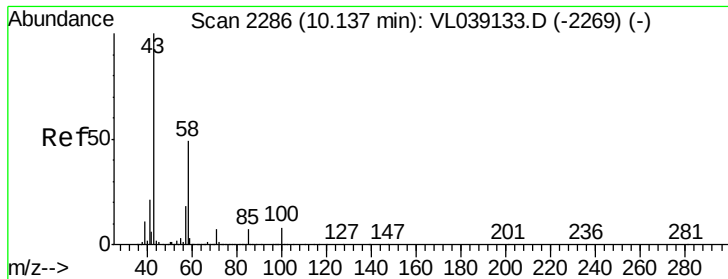
58 35.4 28.7 43.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

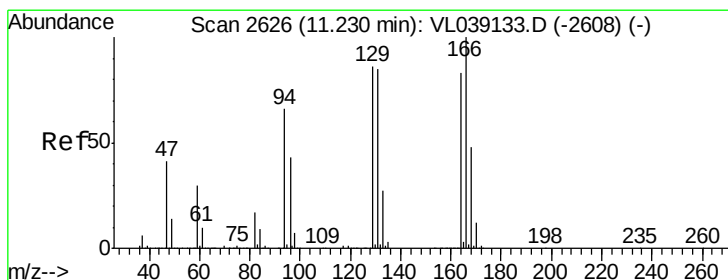
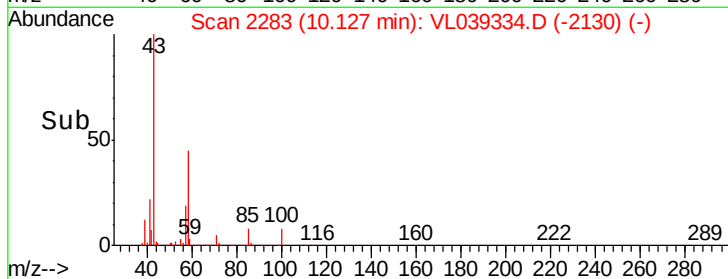
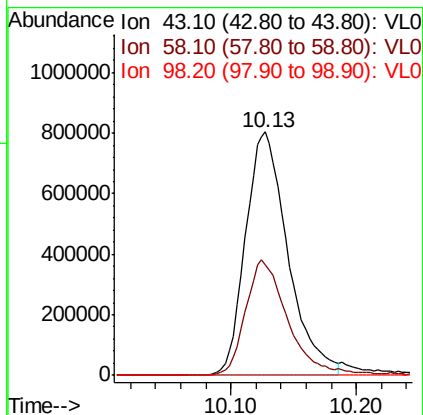
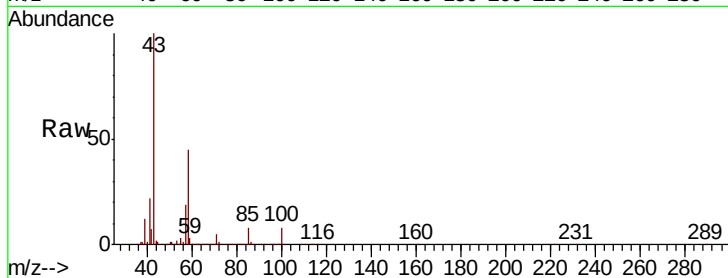
Ion 58.10 (57.80 to 58.80): VL0





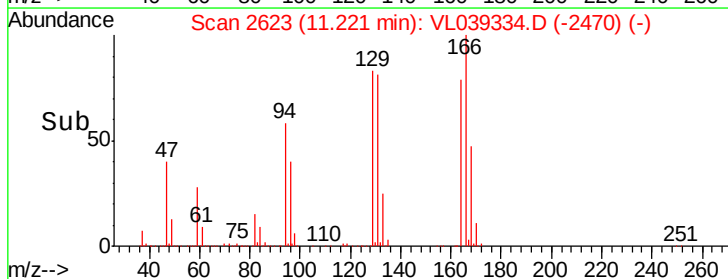
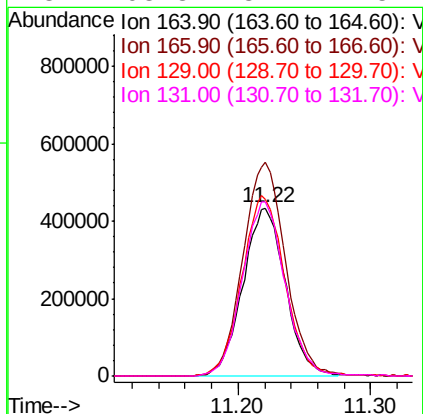
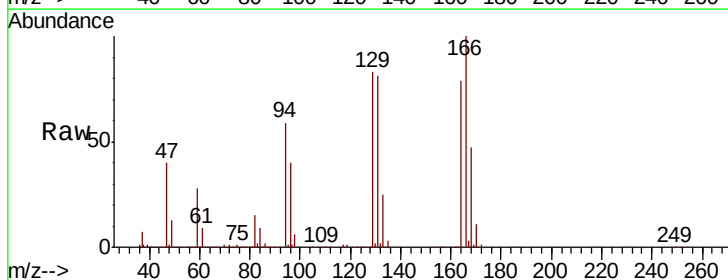
#51
2-Hexanone
Concen: 9.141 ppbv
RT: 10.13 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Jun 2022 00:04

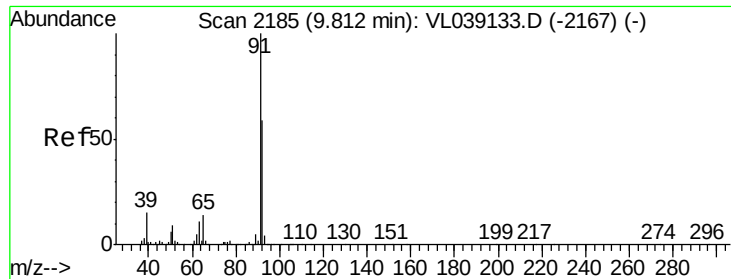
Tot Ion: 43 Resp: 1884587
Ion Ratio Lower Upper
43 100
58 48.2 40.0 60.0
98 0.3 0.1 0.1#



#52
Tetrachloroethene
Concen: 9.353 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. -0.01 min
Lab File: VL039334.D
Acq: 23 Jun 2022 00:04

Tgt Ion: 164 Resp: 965940
Ion Ratio Lower Upper
164 100
166 127.2 96.3 144.5
129 104.8 82.5 123.7
131 103.3 82.1 123.1





#53

Toluene

Concen: 9.632 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

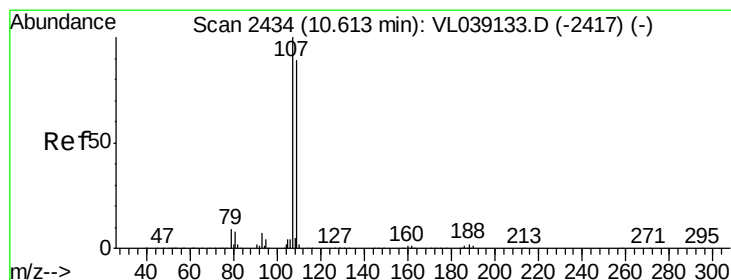
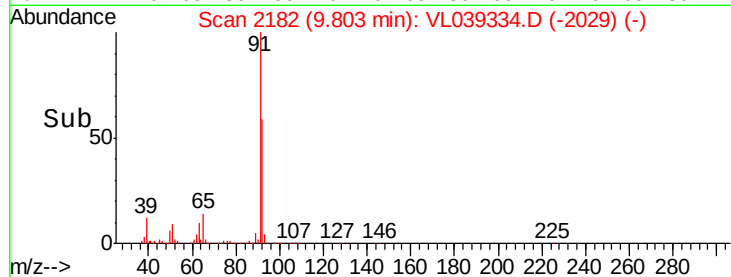
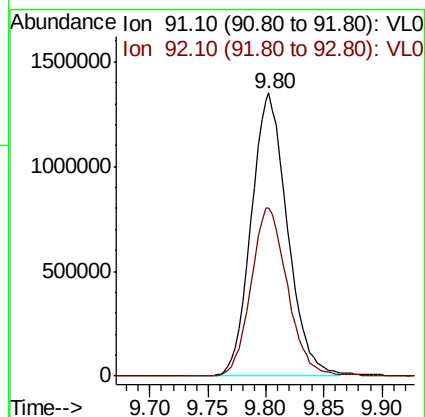
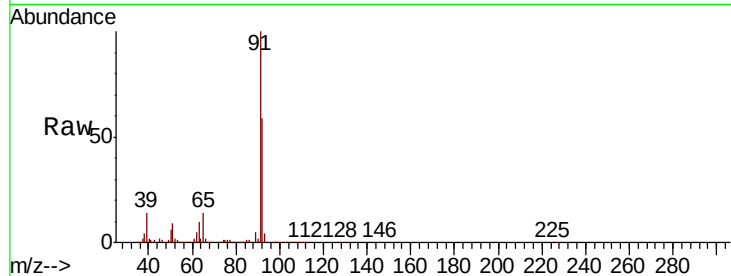
Acq: 23 Jun 2022 00:04 VSTDCCC010EC

Tot Ion: 91 Resp: 2933552

Ion Ratio Lower Upper

91 100

92 60.6 48.1 72.1



#54

1,2-Dibromoethane

Concen: 9.611 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. -0.01 min

Lab File: VL039334.D

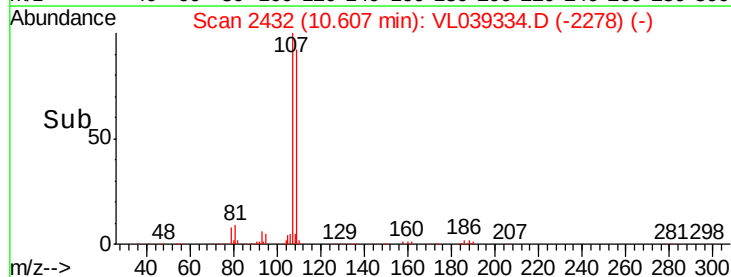
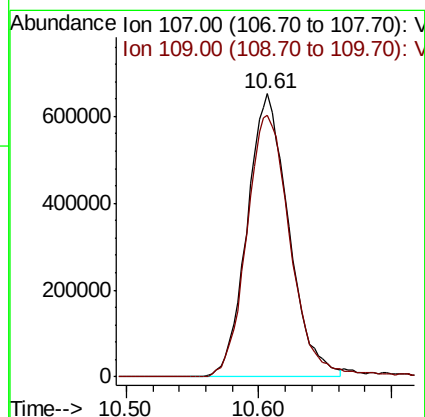
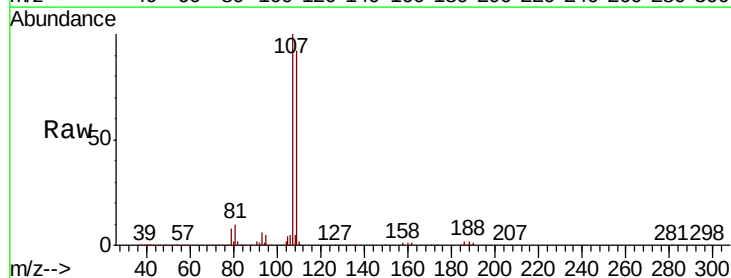
Acq: 23 Jun 2022 00:04

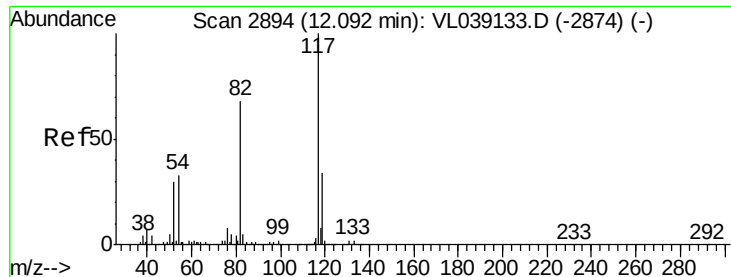
Tgt Ion: 107 Resp: 1417556

Ion Ratio Lower Upper

107 100

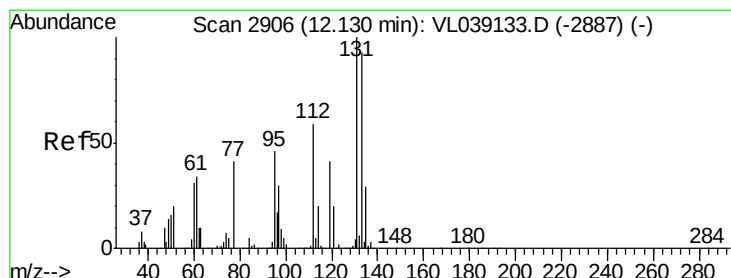
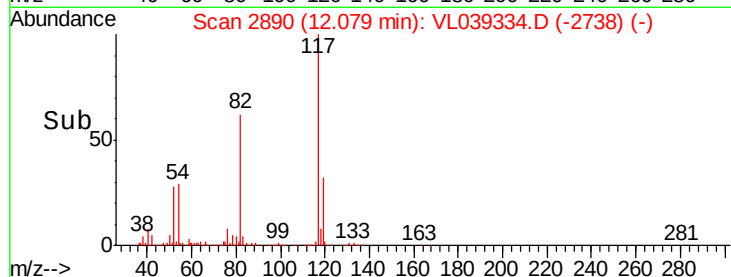
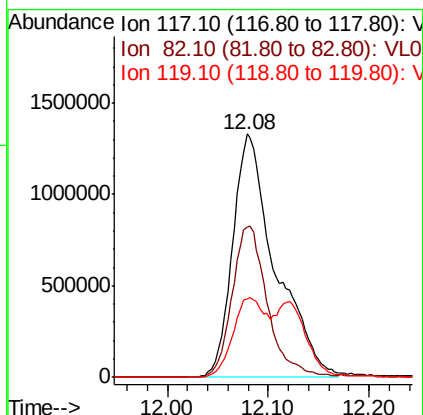
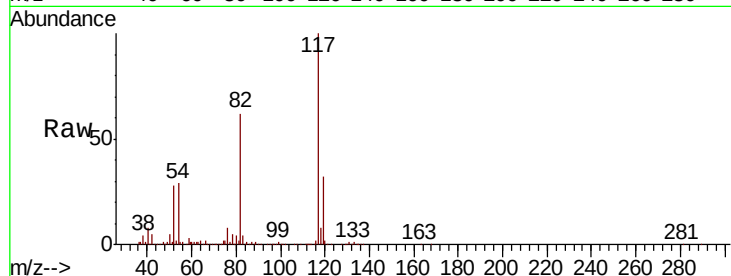
109 92.2 71.4 107.0





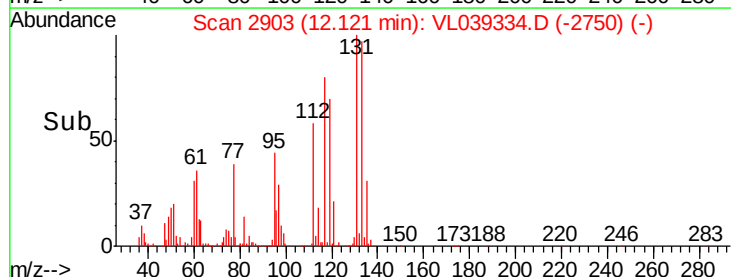
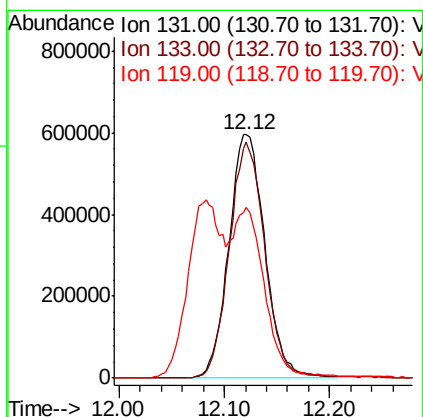
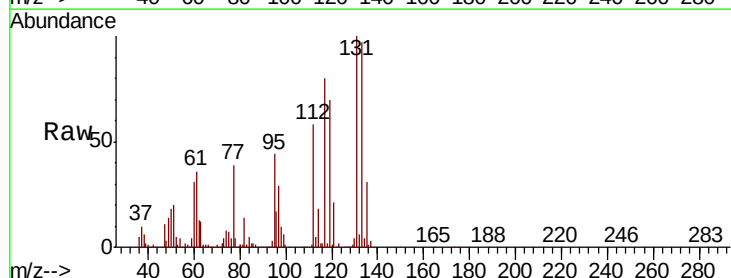
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Client Sample ID:
Lab File: VSTDCCC010EC
Acq: 23 Jun 2022 00:04

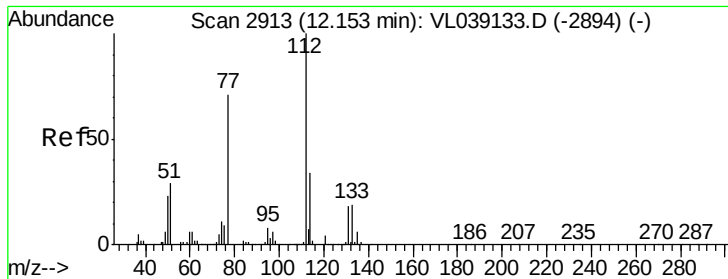
Tot Ion:117 Resp: 3923759
Ion Ratio Lower Upper
117 100
82 52.2 55.1 82.7#
119 28.5 24.7 37.1



#56
1,1,1,2-Tetrachloroethane
Concen: 7.582 ppbv
RT: 12.12 min Scan# 2903
Delta R.T.: -0.01 min
Lab File: VL039334.D
Acq: 23 Jun 2022 00:04

Tgt Ion:131 Resp: 1407733
Ion Ratio Lower Upper
131 100
133 96.8 78.6 117.8
119 65.8 51.7 77.5





#57

Chlorobenzene

Concen: 7.648 ppbv

RT: 12.14

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Jun 2022 00:04

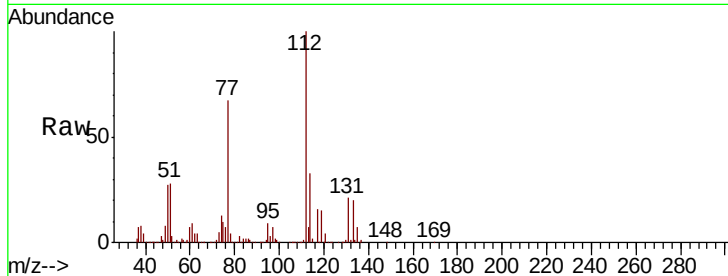
Tot Ion: 112 Resp: 2258044

Ion Ratio Lower Upper

112 100

77 66.1 56.5 84.7

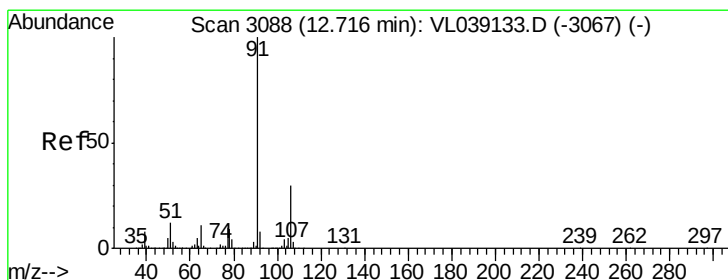
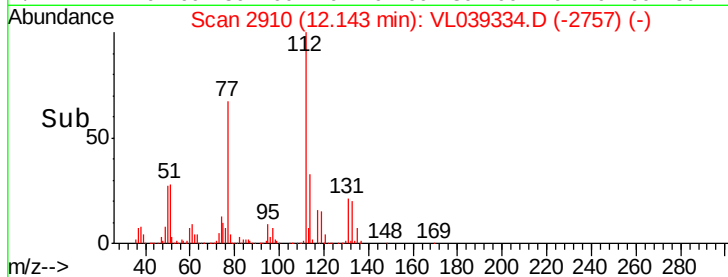
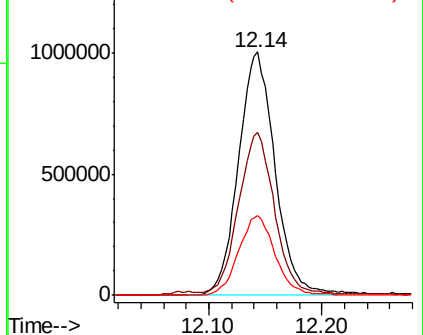
114 32.8 30.3 37.1



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: 7.458 ppbv

RT: 12.71 min Scan# 3085

Delta R.T. -0.01 min

Lab File: VL039334.D

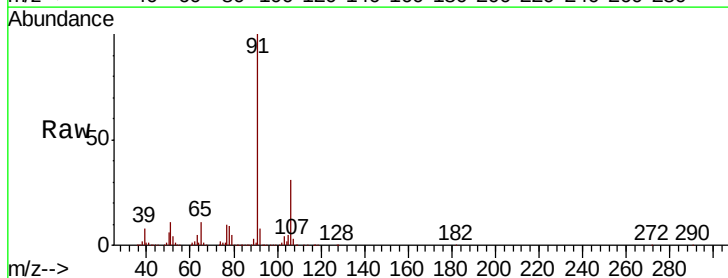
Acq: 23 Jun 2022 00:04

Tgt Ion: 91 Resp: 4030715

Ion Ratio Lower Upper

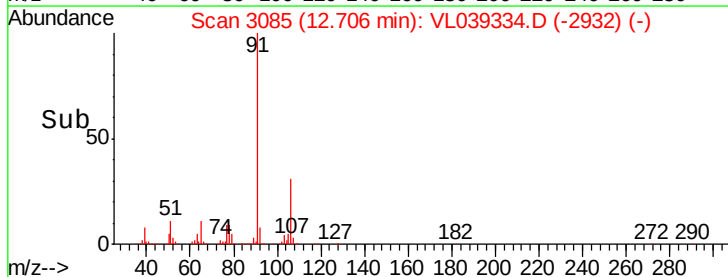
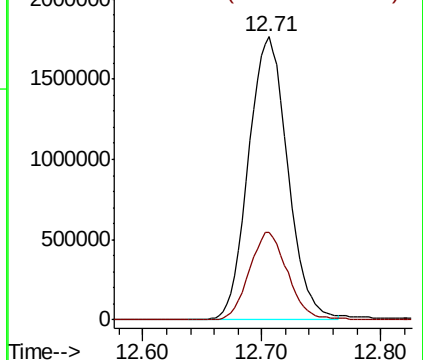
91 100

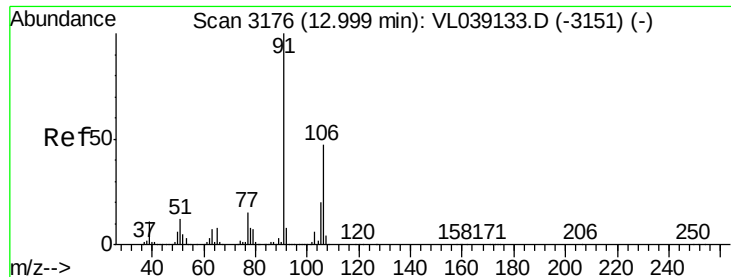
106 31.0 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

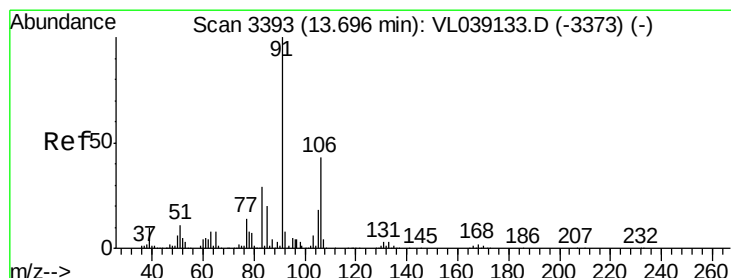
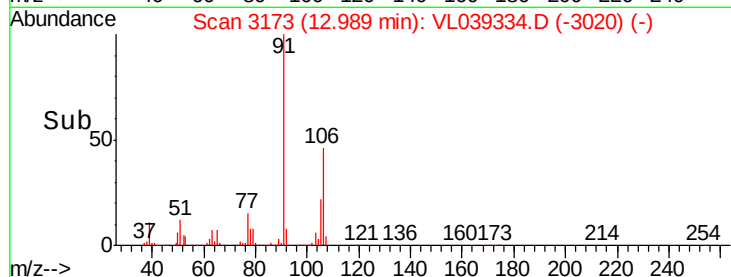
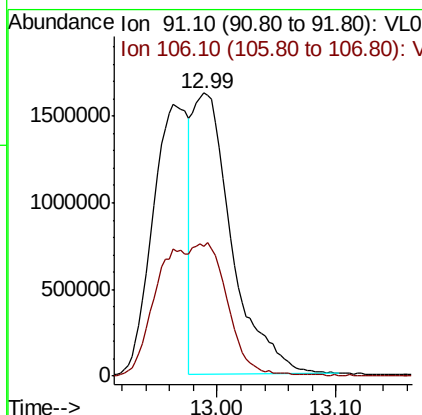
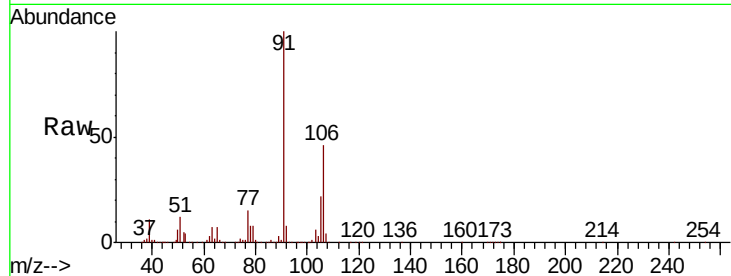
Ion 106.10 (105.80 to 106.80): V





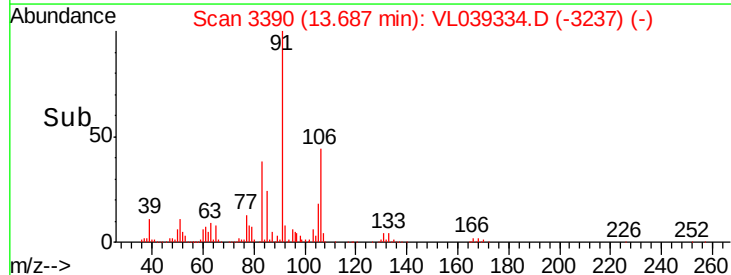
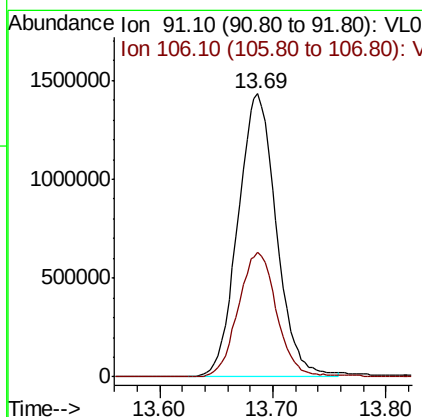
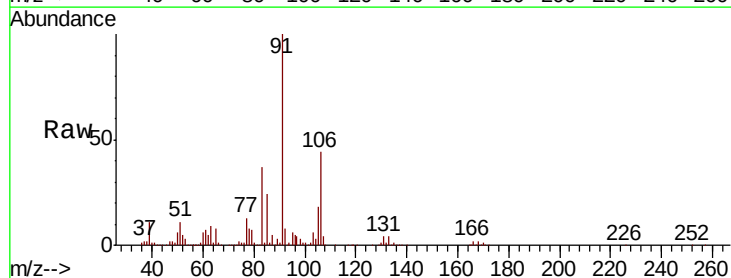
#59
m/p-Xylene
Concen: 7.809 ppbv
RT: 12.99 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 23 Jun 2022 00:04

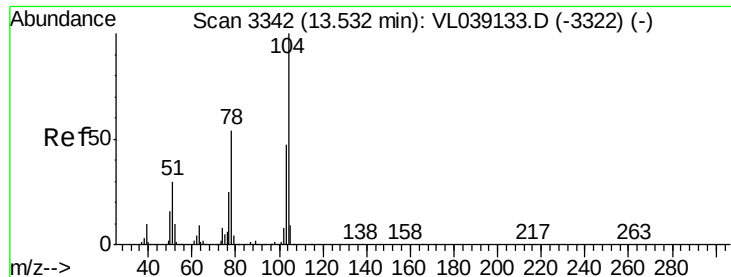
Tot Ion: 91 Resp: 3716719
Ion Ratio Lower Upper
91 100
106 83.2 34.3 51.5#



#60
o-Xylene
Concen: 7.549 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VL039334.D
Acq: 23 Jun 2022 00:04

Tgt Ion: 91 Resp: 3376379
Ion Ratio Lower Upper
91 100
106 44.5 22.3 66.9





#61

Stvrene

Concen: 8.087 ppbv

RT: 13.52

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Jun 2022 00:04 VSTDCCC010EC

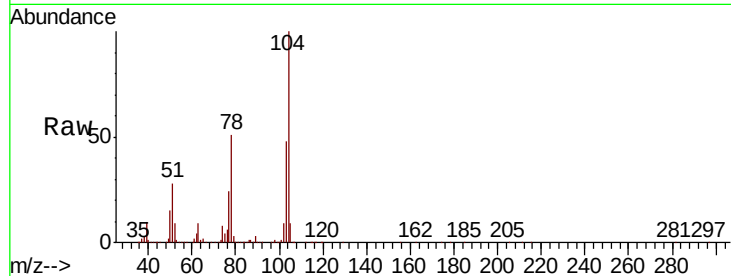
Tot Ion:104 Resp: 1936697

Ion Ratio Lower Upper

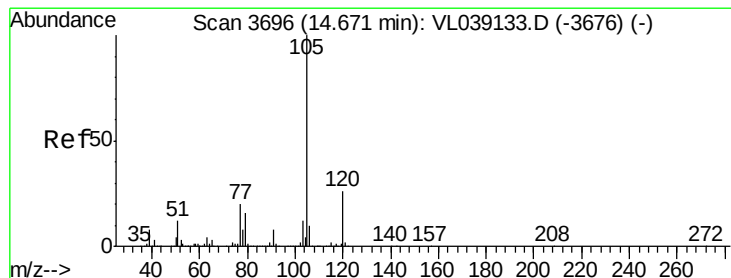
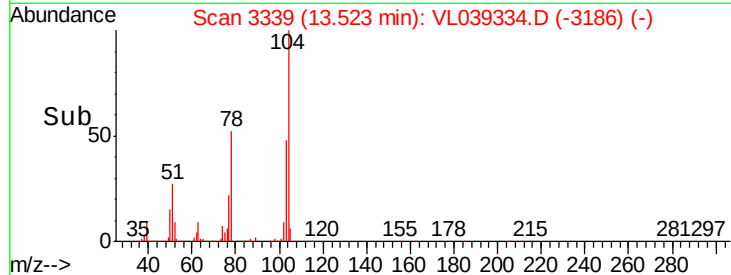
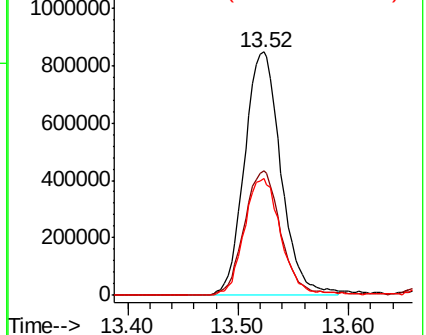
104 100

78 52.1 45.7 68.5

103 49.0 39.6 59.4



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: 7.820 ppbv

RT: 14.66 min Scan# 3692

Delta R.T. -0.01 min

Lab File: VL039334.D

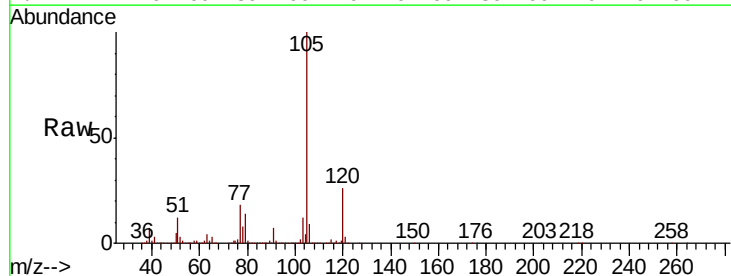
Acq: 23 Jun 2022 00:04

Tgt Ion:105 Resp: 5198107

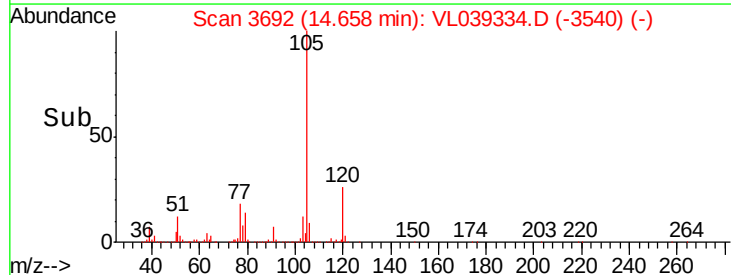
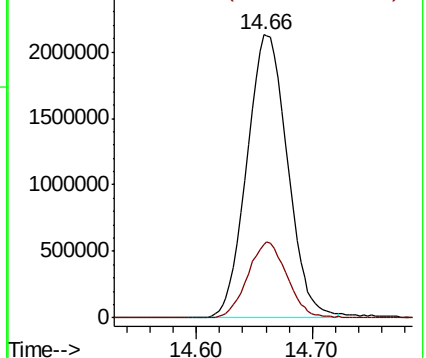
Ion Ratio Lower Upper

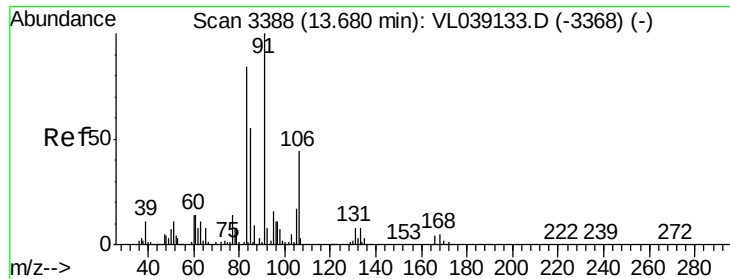
105 100

120 26.2 20.3 30.5



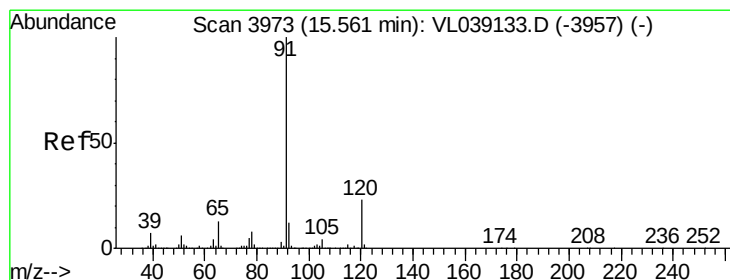
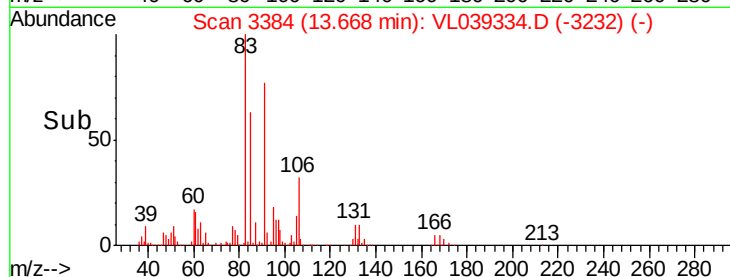
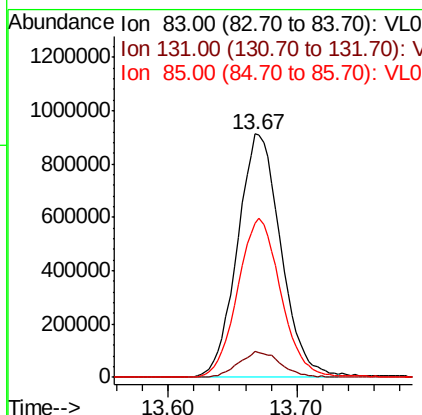
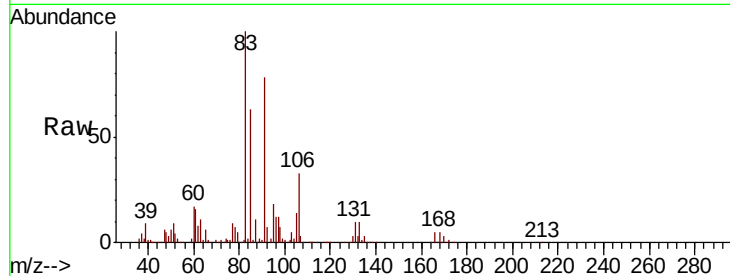
Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





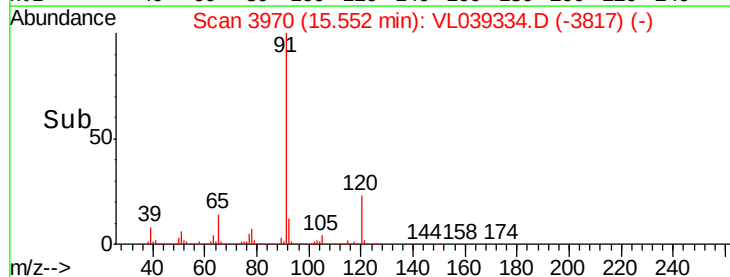
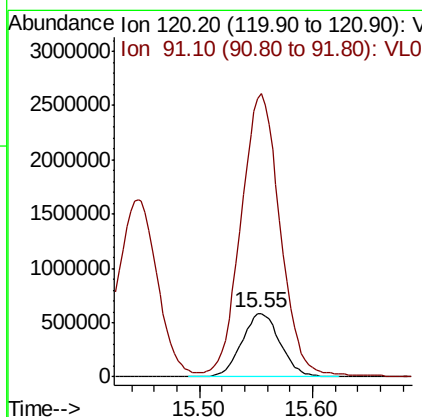
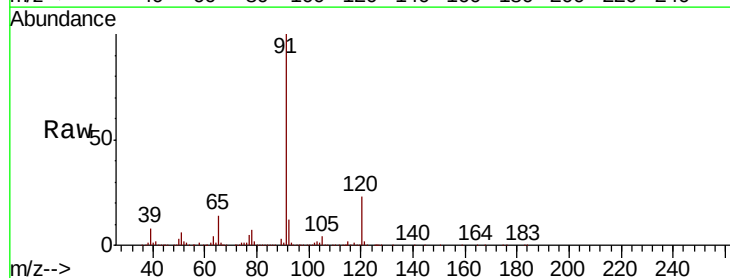
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.505 ppbv
 RT: 13.67 min
 Delta R.T. MSVOA.L
 Lab File: ClientSampleId :
 Acq: 23 Jun 2022 00:04
 VSTDCCC010EC

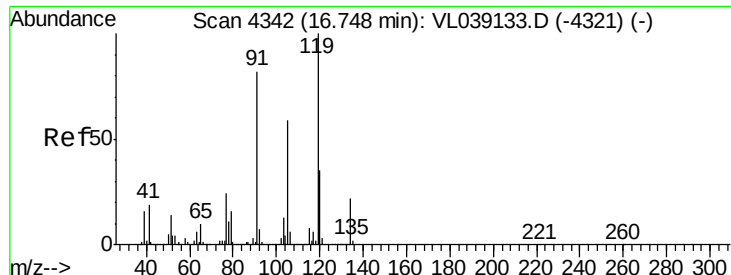
Tot Ion: 83 Resp: 2134912
 Ion Ratio Lower Upper
 83 100
 131 10.4 4.8 14.3
 85 66.1 33.0 99.0



#64
 n-propylbenzene
 Concen: 8.469 ppbv
 RT: 15.55 min Scan# 3970
 Delta R.T. -0.01 min
 Lab File: VL039334.D
 Acq: 23 Jun 2022 00:04

Tgt Ion: 120 Resp: 1383808
 Ion Ratio Lower Upper
 120 100
 91 456.5 388.4 582.6

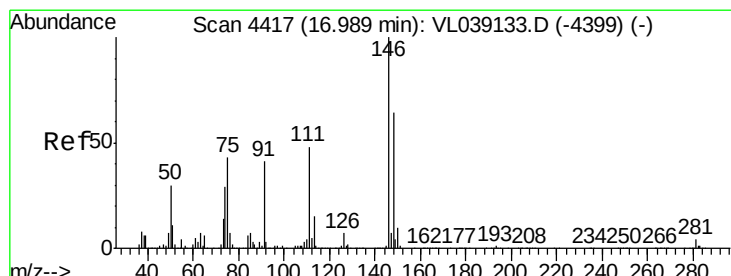
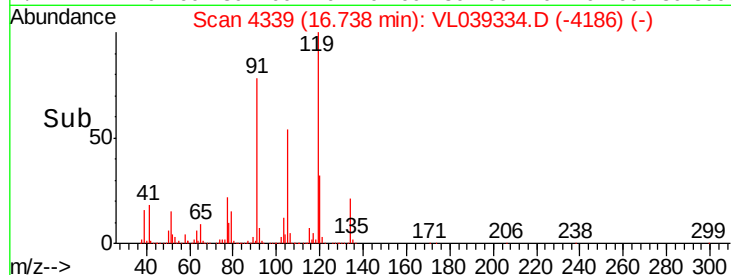
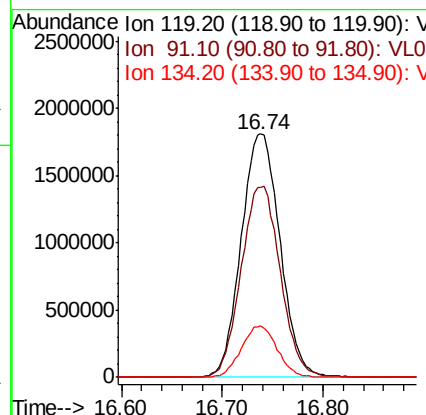
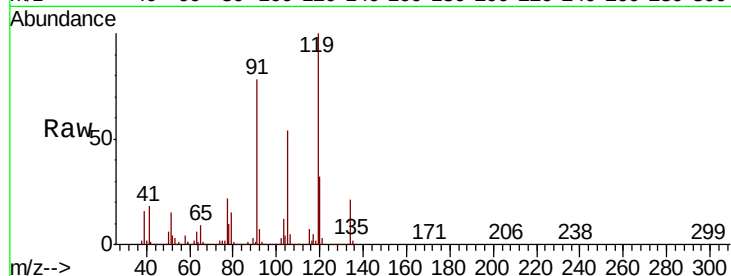




#65
 tert-Butylbenzene
 Concen: 7.951 ppbv
 RT: 16.74 min
 Instrument: MSVOA_1
 Delta R.T.: -0.01 min
 Lab File: VL039133.D
 ClientSampleId: VSTDCCC010EC
 Acq: 23 Jun 2022 00:04

Tot Ion: 119 Resp: 4833214

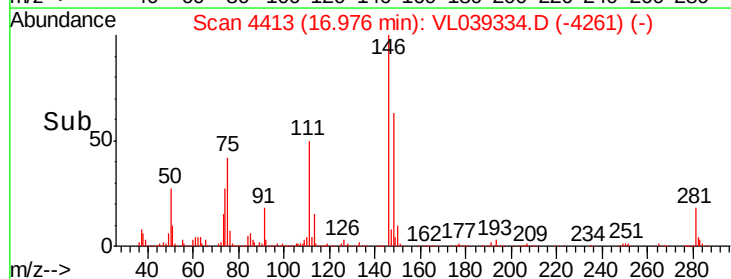
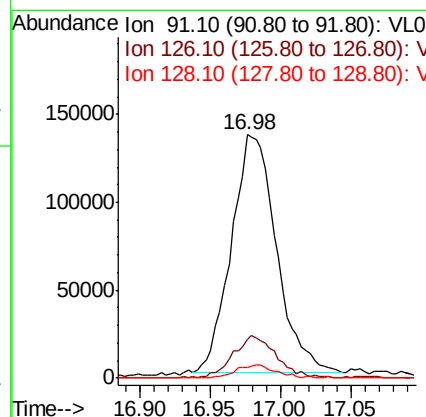
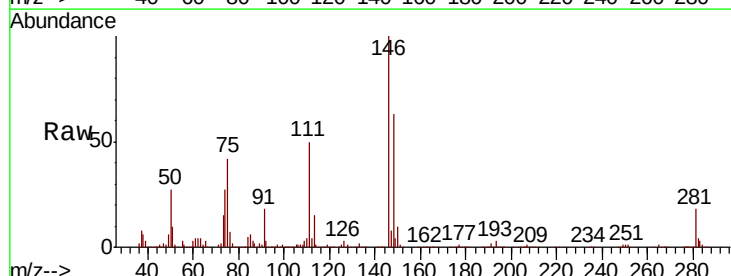
Ion	Ratio	Lower	Upper
119	100		
91	79.6	67.1	100.7
134	19.6	15.8	23.8

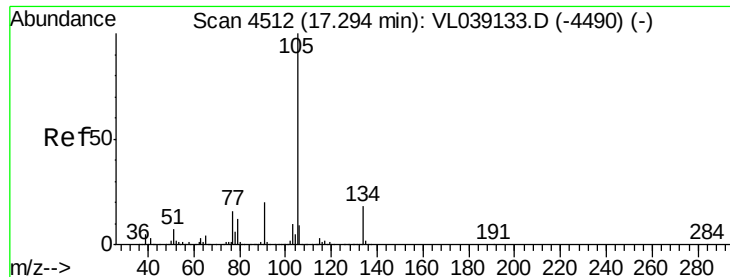


#66
 Benzyl Chloride
 Concen: 3.842 ppbv
 RT: 16.98 min Scan# 4413
 Delta R.T.: -0.01 min
 Lab File: VL039334.D
 Acq: 23 Jun 2022 00:04

Tgt Ion: 91 Resp: 303634

Ion	Ratio	Lower	Upper
91	100		
126	17.3	13.4	20.0
128	5.3	4.1	6.1





#67

sec-Butylbenzene

Concen: 7.978 ppbv

RT: 17.29 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

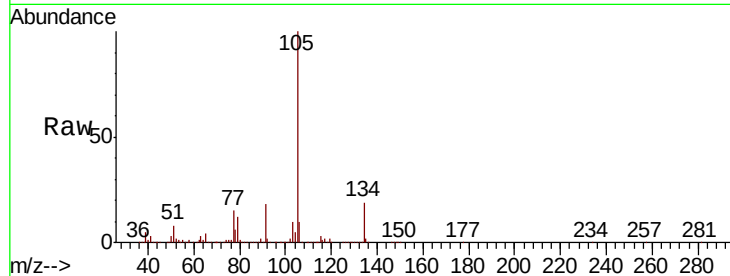
Acq: 23 Jun 2022 00:04

Tot Ion: 105 Resp: 6616399

Ion Ratio Lower Upper

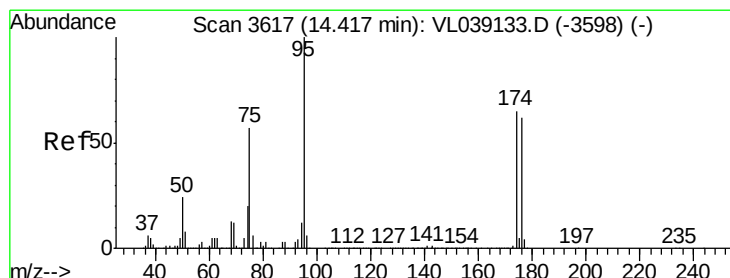
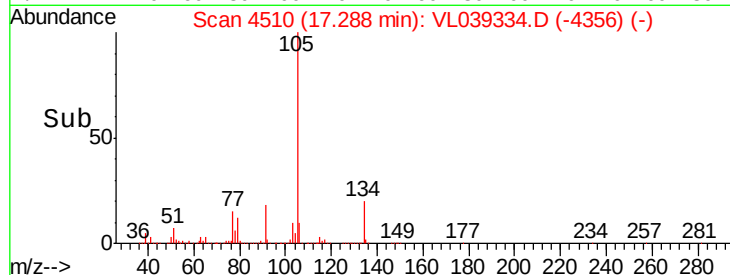
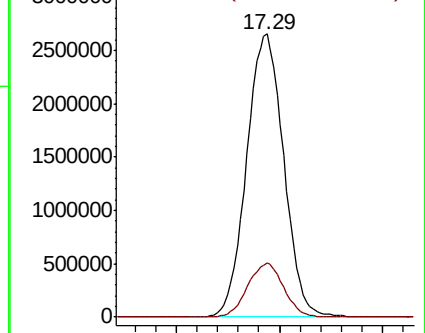
105 100

134 18.7 14.4 21.6



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: 7.835 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.01 min

Lab File: VL039334.D

Acq: 23 Jun 2022 00:04

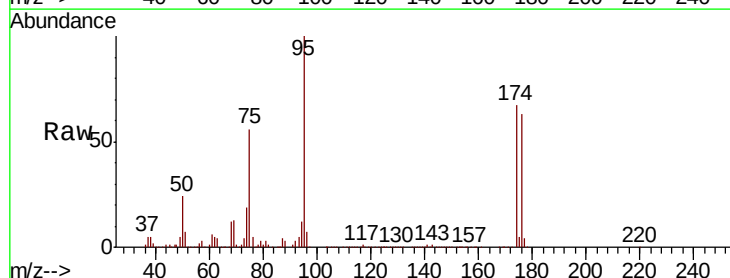
Tgt Ion: 95 Resp: 2541487

Ion Ratio Lower Upper

95 100

174 68.3 53.8 80.8

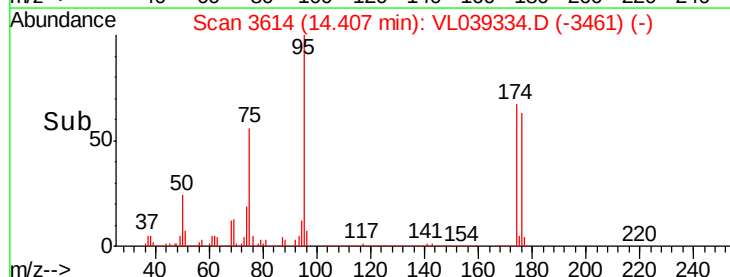
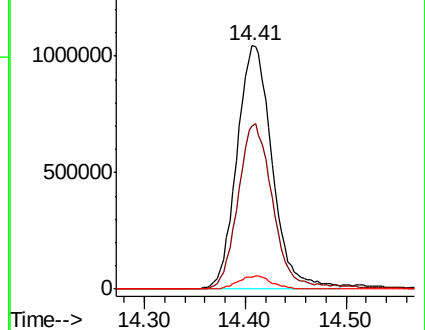
175 5.3 4.1 6.1

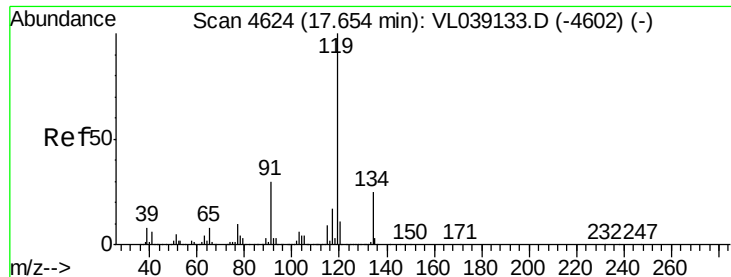


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

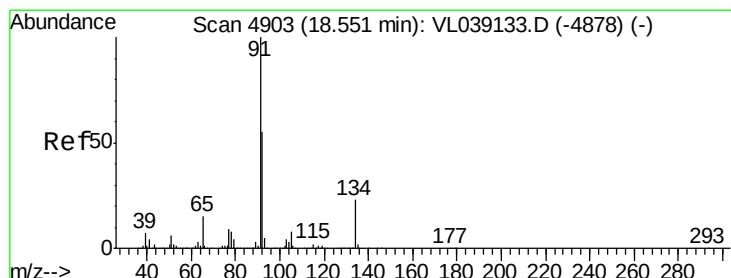
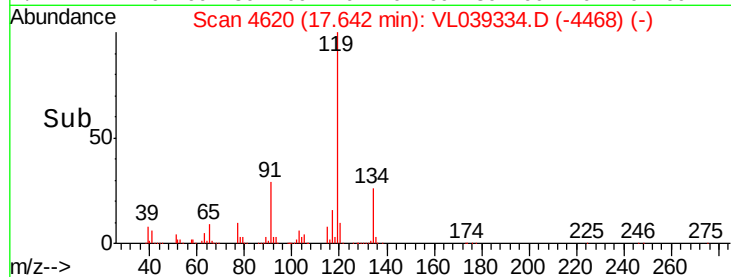
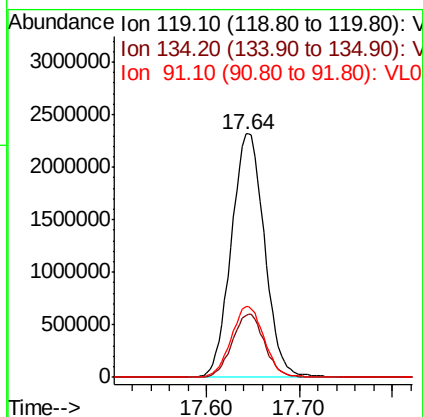
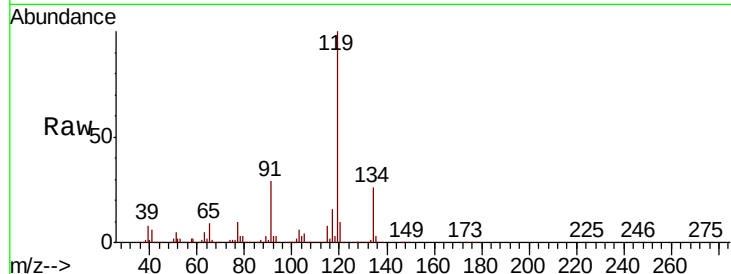




#69
 p-Isopropyltoluene
 Concen: 8.206 ppbv
 RT: 17.64 min
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId : VSTDCCC010EC
 Acq: 23 Jun 2022 00:04

Tot Ion: 119 Resp: 5742031

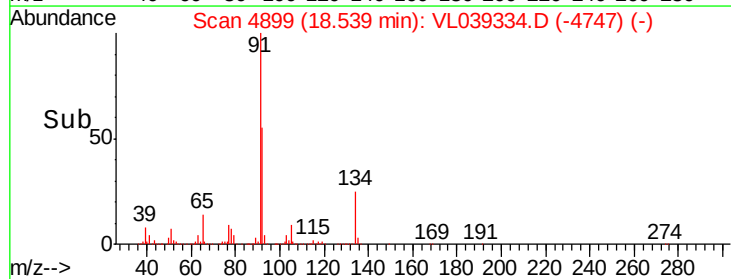
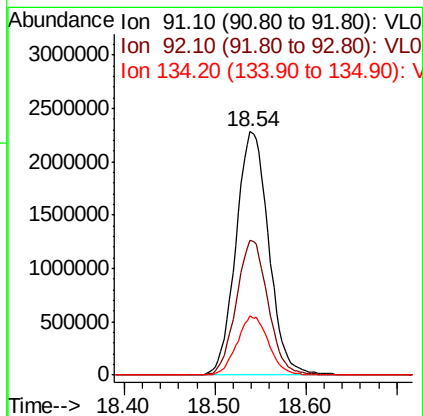
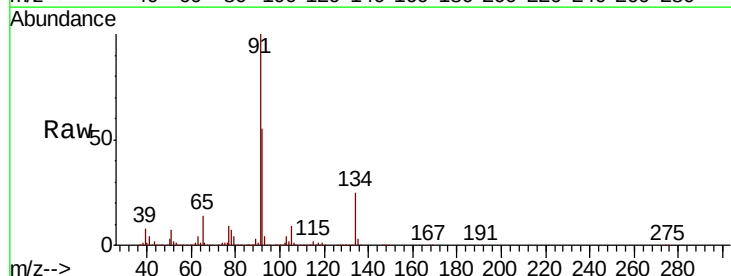
Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.4	30.6
91	28.9	24.2	36.4

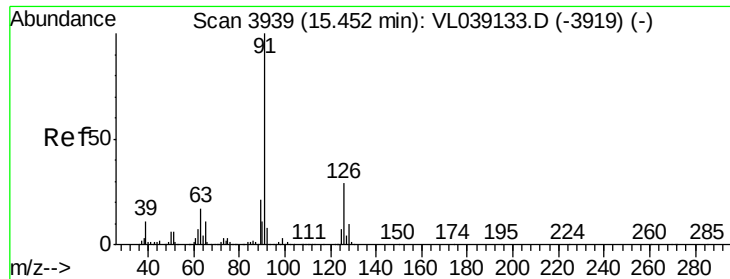


#70
 n-Butylbenzene
 Concen: 7.941 ppbv
 RT: 18.54 min Scan# 4899
 Delta R.T.: -0.01 min
 Lab File: VL039334.D
 Acq: 23 Jun 2022 00:04

Tgt Ion: 91 Resp: 5703126

Ion	Ratio	Lower	Upper
91	100		
92	53.9	43.6	65.4
134	23.7	17.7	26.5





#71

2-Chlorotoluene

Concen: 7.678 ppbv

RT: 15.45

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

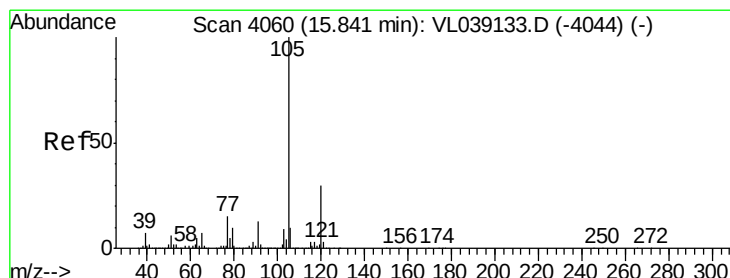
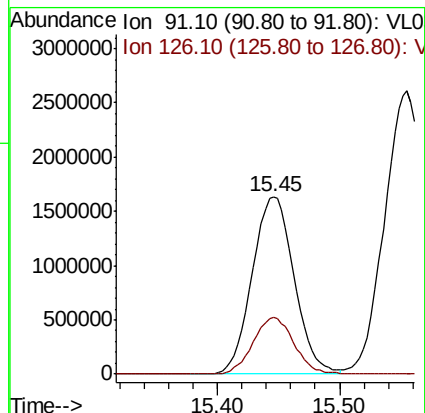
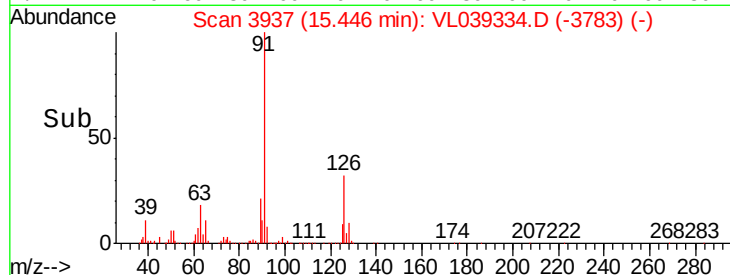
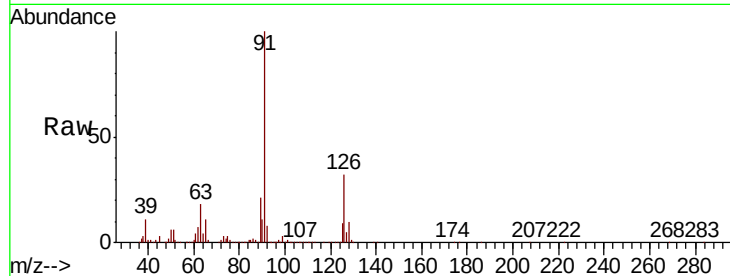
Acq: 23 Jun 2022 00:04

Tot Ion: 91 Resp: 3892177

Ion Ratio Lower Upper

91 100

126 31.8 12.2 48.6



#72

4-Ethyltoluene

Concen: 7.928 ppbv

RT: 15.83 min Scan# 4057

Delta R.T. -0.01 min

Lab File: VL039334.D

Acq: 23 Jun 2022 00:04

Tgt Ion:105 Resp: 4155684

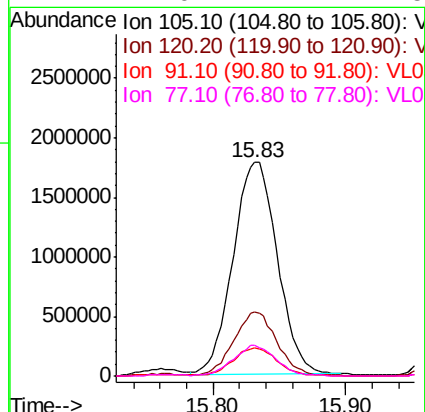
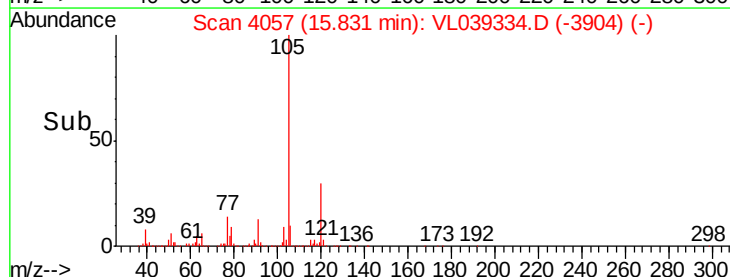
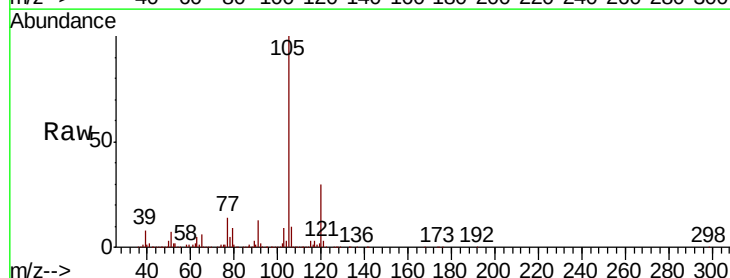
Ion Ratio Lower Upper

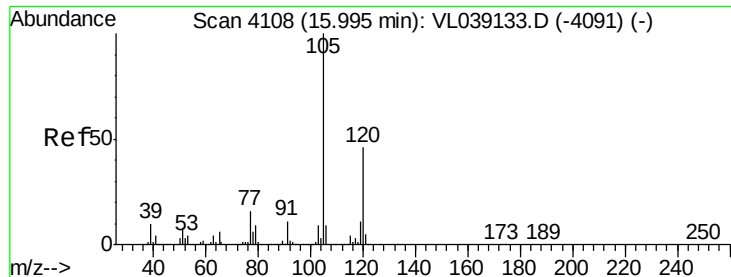
105 100

120 29.6 23.9 35.9

91 13.1 10.6 16.0

77 14.0 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 8.028 ppbv

RT: 15.99 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

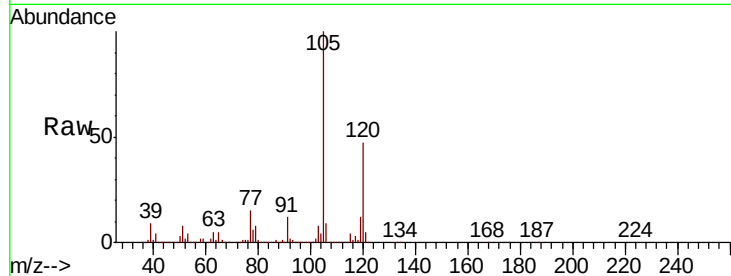
Acq: 23 Jun 2022 00:04

Tot Ion:105 Resp: 3795521

Ion Ratio Lower Upper

105 100

120 46.7 36.7 55.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.99

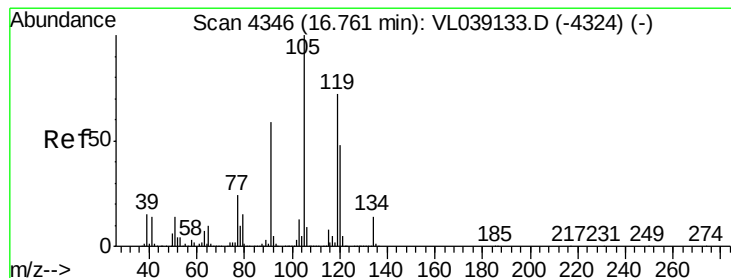
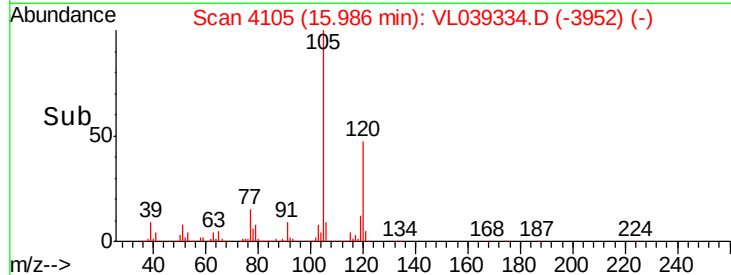
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.800 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. -0.01 min

Lab File: VL039334.D

Acq: 23 Jun 2022 00:04

Tgt Ion:105 Resp: 4115188

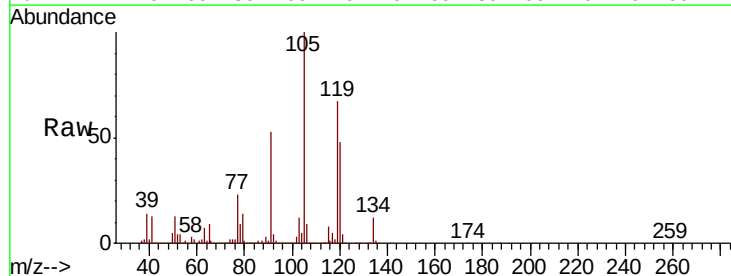
Ion Ratio Lower Upper

105 100

120 48.4 38.1 57.1

91 53.1 47.4 71.0

77 22.9 19.5 29.3



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

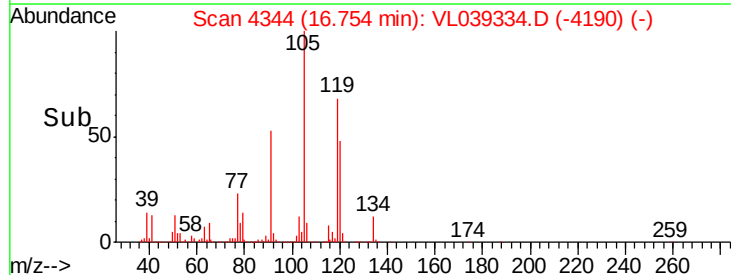
1500000

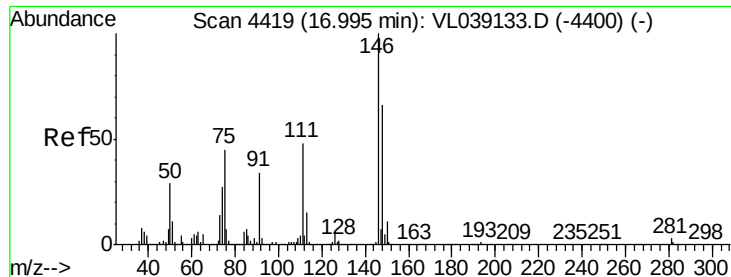
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 8.182 ppbv

RT: 16.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Jun 2022 00:04

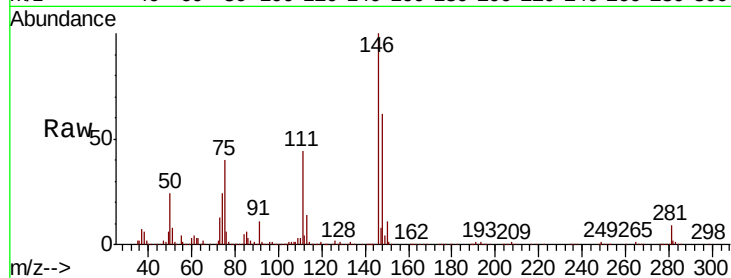
Tot Ion:146 Resp: 2443271

Ion Ratio Lower Upper

146 100

111 45.4 23.8 71.4

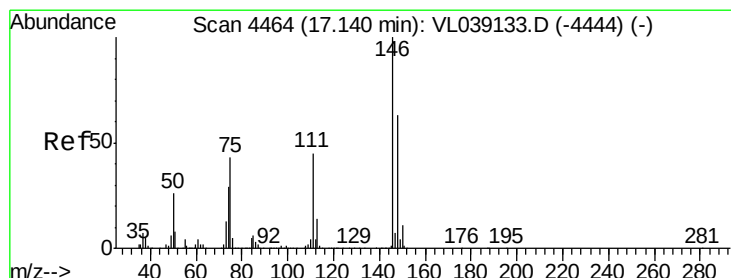
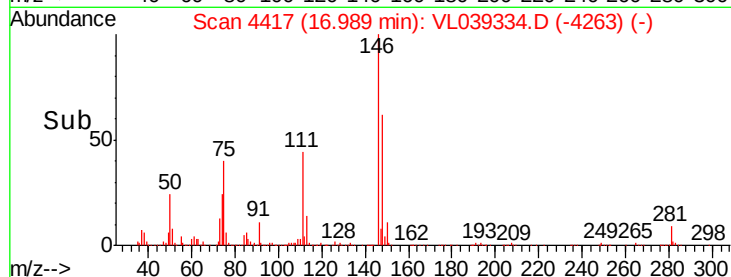
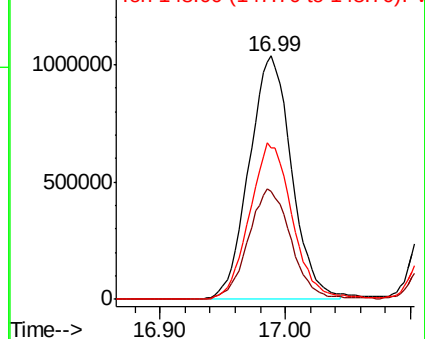
148 64.7 32.4 97.0



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: 7.850 ppbv

RT: 17.13 min Scan# 4461

Delta R.T. -0.01 min

Lab File: VL039334.D

Acq: 23 Jun 2022 00:04

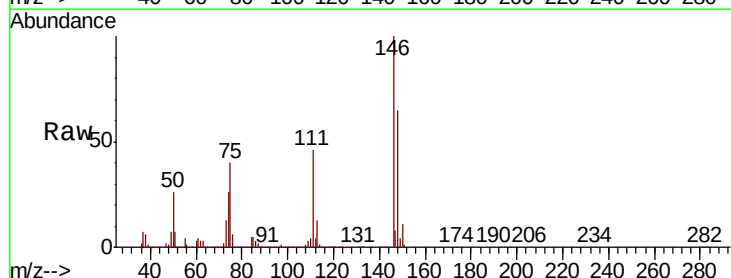
Tgt Ion:146 Resp: 2338997

Ion Ratio Lower Upper

146 100

111 46.7 23.6 71.0

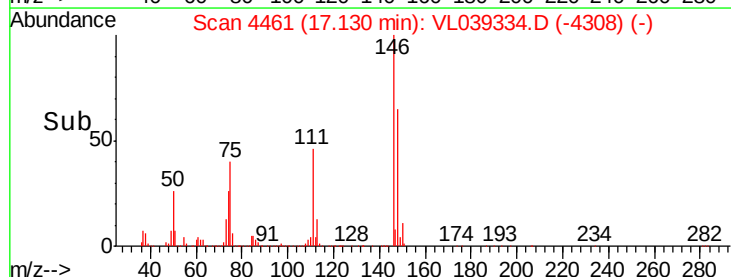
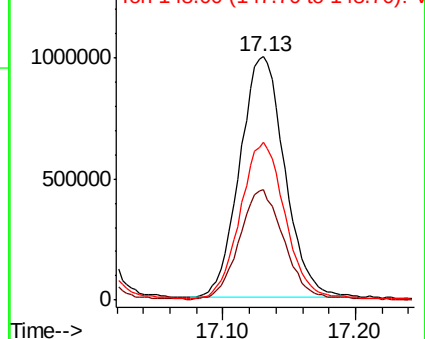
148 66.5 33.7 101.0

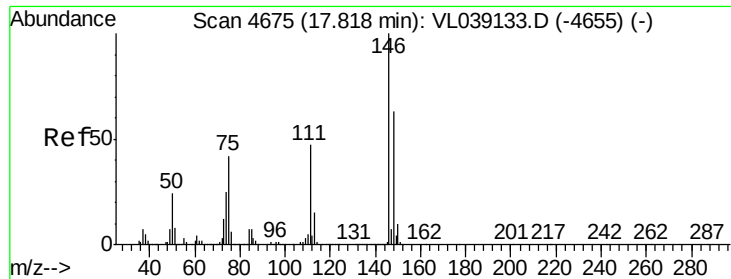


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

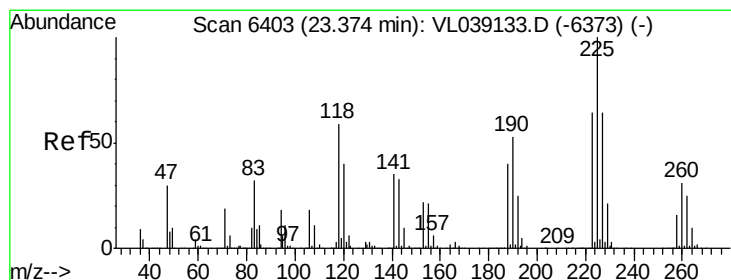
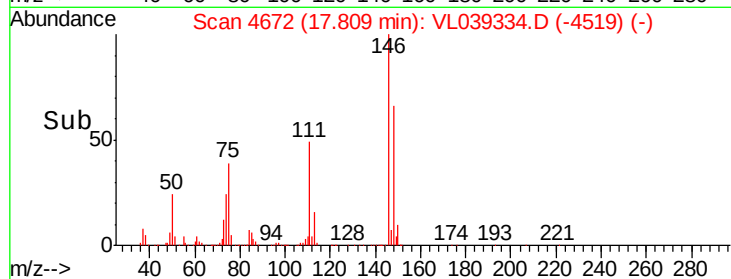
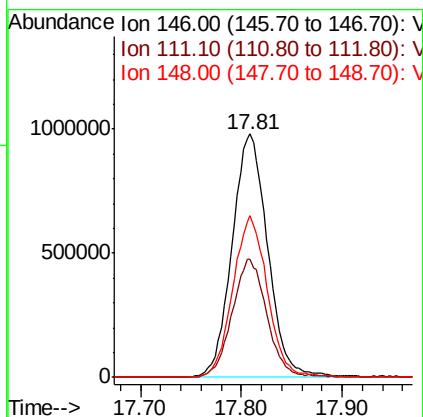
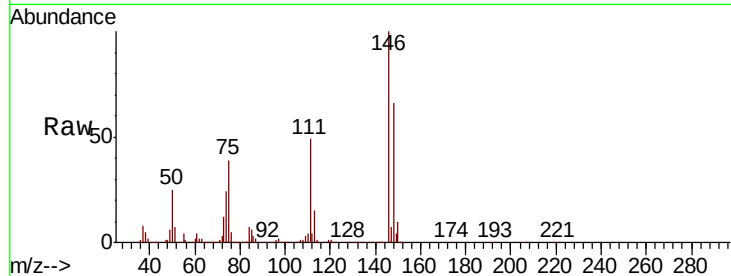
Ion 148.00 (147.70 to 148.70): V





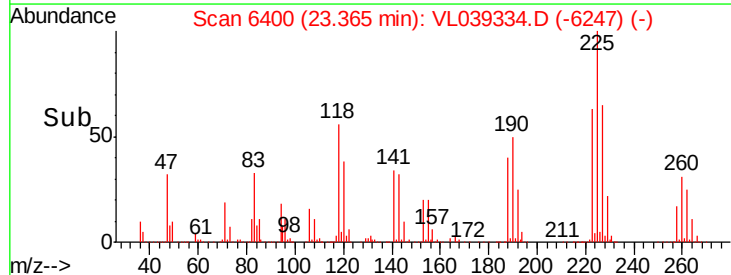
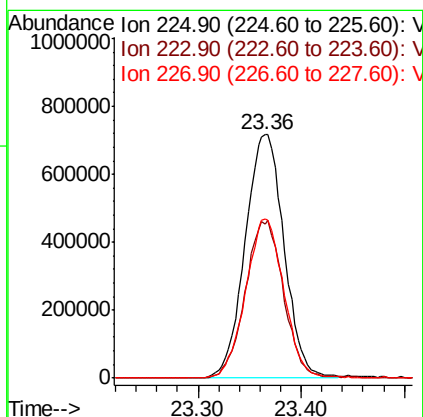
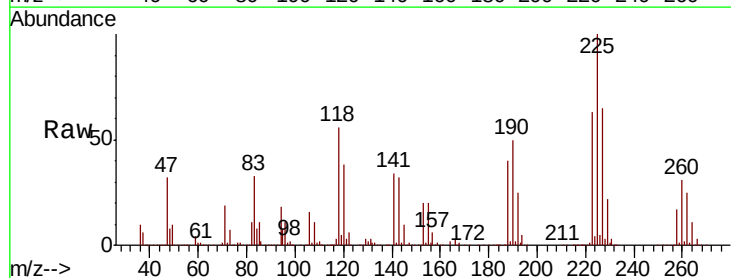
#77
 1,2-Dichlorobenzene
 Concen: 7.941 ppbv
 RT: 17.81 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 23 Jun 2022 00:04

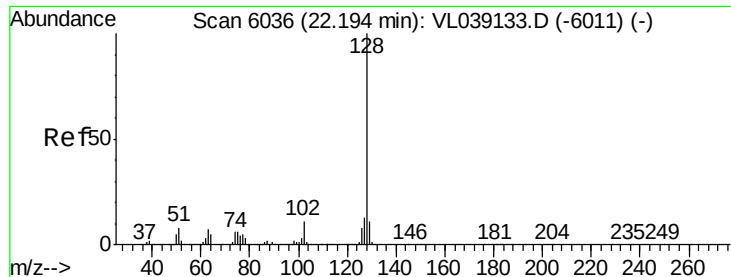
Tot Ion:146 Resp: 2389890
 Ion Ratio Lower Upper
 146 100
 111 47.8 24.4 73.4
 148 64.5 32.1 96.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.824 ppbv
 RT: 23.36 min Scan# 6400
 Delta R.T.: -0.01 min
 Lab File: VL039334.D
 Acq: 23 Jun 2022 00:04

Tgt Ion:225 Resp: 1878085
 Ion Ratio Lower Upper
 225 100
 223 63.9 51.4 77.0
 227 64.6 50.6 75.8





#79

Naphthalene

Concen: 8.575 ppbv

RT: 22.18

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Jun 2022 00:04

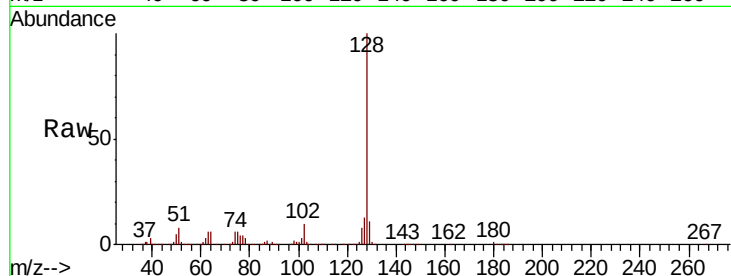
Tot Ion:128 Resp: 3482647

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

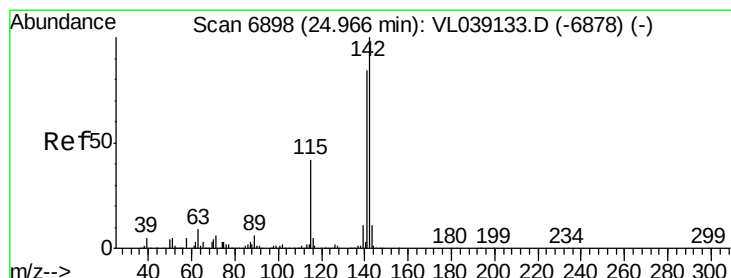
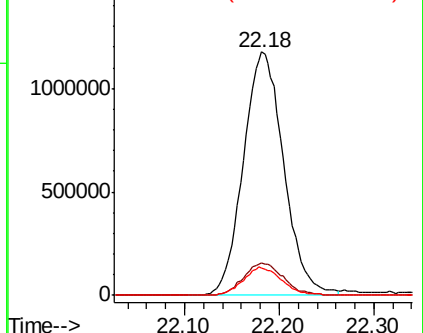
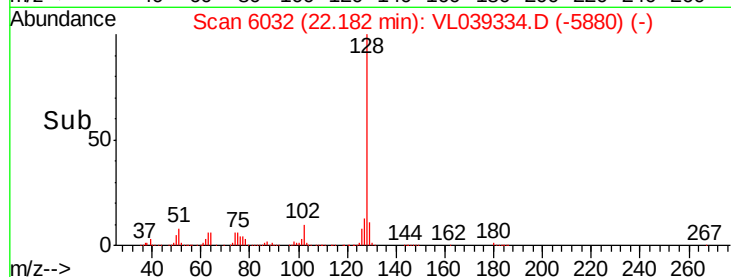
129 11.1 9.0 13.6



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: 5.713 ppbv

RT: 24.96 min Scan# 6896

Delta R.T. -0.01 min

Lab File: VL039334.D

Acq: 23 Jun 2022 00:04

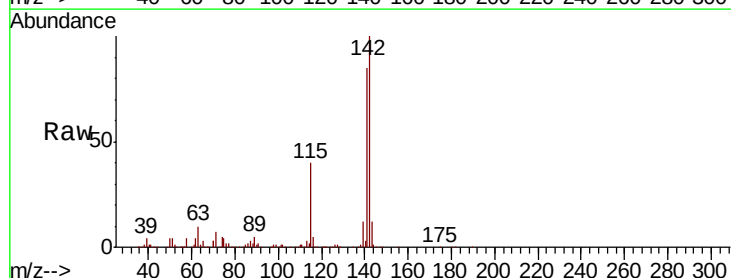
Tgt Ion:142 Resp: 861999

Ion Ratio Lower Upper

142 100

141 86.9 64.6 96.8

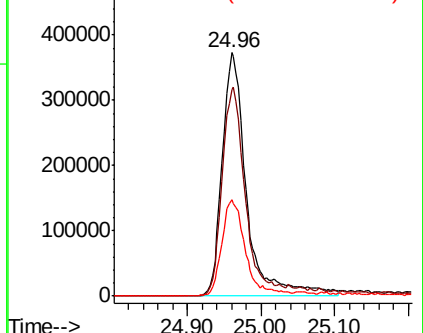
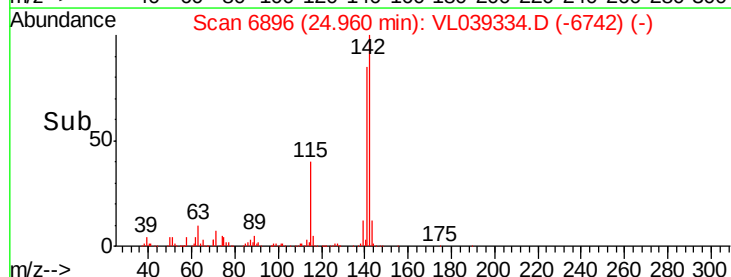
115 41.1 32.7 49.1

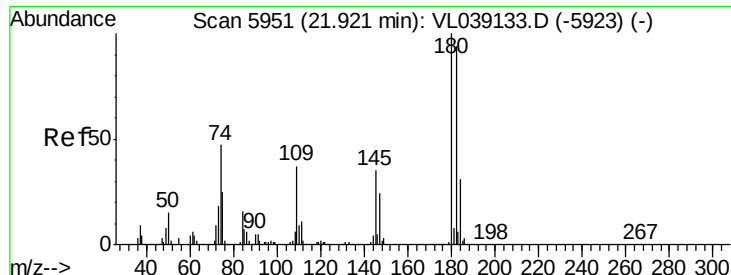


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

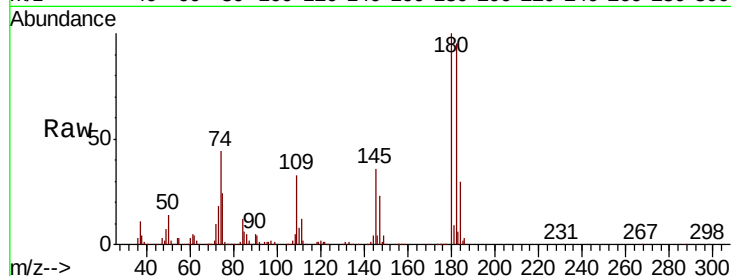
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 7.528 ppbv
 RT: 21.91
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 23 Jun 2022 08:04

Tot Ion:180 Resp: 1936803
 Ion Ratio Lower Upper
 180 100
 182 98.4 0.0 0.0#
 184 31.3 0.0 0.0#



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

