

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062422\
 Data File : VL039336.D
 Acq On : 24 Jun 2022 10:11
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jun 27 01:46:59 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	5.66	49	1303722	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3592647	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	4160962	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2556999	7.43	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	74.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1732763	7.567	ppbv	99
3) Chlorodifluoromethane	2.99	51	1514873	9.132	ppbv	98
4) Chloromethane	3.14	50	827640	9.713	ppbv	100
5) Vinyl Chloride	3.25	62	809636	10.164	ppbv	96
6) Bromomethane	3.47	94	351819	8.979	ppbv	90
7) Chloroethane	3.56	64	308038	11.098	ppbv	94
8) Dichlorotetrafluoroethane	3.19	85	1990209	9.510	ppbv	97
9) Propene	3.01	41	688417	9.518	ppbv	98
10) Heptane	8.11	43	1706007	10.111	ppbv	99
11) Trichlorofluoromethane	3.95	101	1913340	9.231	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1429621	10.429	ppbv	99
13) Ethanol	3.60	45	27524	6.978	ppbv #	100
14) Bromoethene	3.74	108	629485	10.215	ppbv	97
15) Acetone	3.84	43	1429005	10.522	ppbv	98
16) 1,3-Butadiene	3.32	39	775371	10.621	ppbv	97
17) tert-Butyl alcohol	4.28	59	1356965	12.882	ppbv	99
18) 1,1-Dichloroethene	4.29	96	655813	10.665	ppbv	85
19) Isopropyl Alcohol	3.95	45	758197	11.903	ppbv #	96
20) Methylene Chloride	4.34	84	542104	9.472	ppbv	93
21) Allyl Chloride	4.40	41	1065139	11.627	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	673251	11.379	ppbv	94
23) Vinyl Acetate	5.07	43	1076094	9.577	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1366027	8.873	ppbv	99
25) Ethyl Acetate	5.67	43	3069632	10.029	ppbv	99
26) Hexane	5.68	57	1321944	9.828	ppbv	99
27) Carbon Disulfide	4.55	76	1610909	11.555	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1265631	8.523	ppbv	99
29) Chloroform	5.74	83	2049413	9.054	ppbv	100
30) Cyclohexane	7.13	84	1134527	10.040	ppbv	97
31) cis-1,2-Dichloroethene	5.54	61	1321861	9.638	ppbv	96
32) 1,1,1-Trichloroethane	6.50	97	2085318	9.415	ppbv	100
34) 2-Butanone	5.24	43	1811332	9.280	ppbv	100
35) Carbon Tetrachloride	7.01	117	2165940	8.260	ppbv	97
36) Benzene	6.89	78	2714944	9.308	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1572854	8.194	ppbv	98
38) Trichloroethene	7.83	130	1368846	10.218	ppbv	97
39) 1,2-Dichloropropane	7.61	63	1012143	8.724	ppbv	98
40) 1,4-Dioxane	7.82	88	373855	9.788	ppbv	89
41) Tetrahydrofuran	6.04	42	1080872	9.208	ppbv	100
42) Bromodichloromethane	7.78	83	2251585	8.452	ppbv	100
43) Methyl Methacrylate	8.01	69	1091698	9.609	ppbv	98

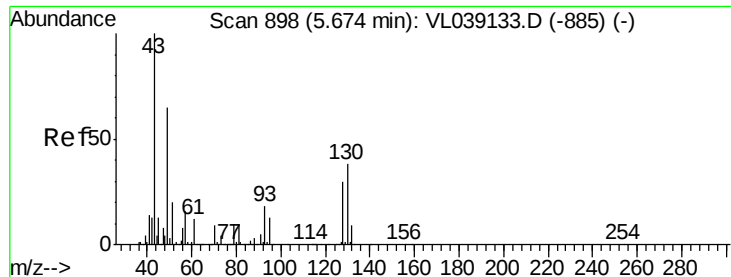
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 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4584585	8.985	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1066452	9.013	ppbv	94
46) cis-1,3-Dichloropropene	8.69	75	1403704	8.980	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	1132497	9.357	ppbv	98
48) Dibromochloromethane	10.30	129	1950631	9.026	ppbv	100
49) Bromoform	13.03	173	1603943	8.906	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2791394	9.554	ppbv	100
51) 2-Hexanone	10.12	43	2107866	9.272	ppbv #	99
52) Tetrachloroethene	11.21	164	1045478	9.181	ppbv	99
53) Toluene	9.80	91	3252084	9.683	ppbv	99
54) 1,2-Dibromoethane	10.60	107	1493365	9.182	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.12	131	1419535	7.210	ppbv	99
57) Chlorobenzene	12.14	112	2398786	7.662	ppbv	95
58) Ethyl Benzene	12.70	91	4334961	7.563	ppbv	99
59) m/p-Xylene	12.99	91	4134509	8.192	ppbv #	43
60) o-Xylene	13.68	91	3518003	7.418	ppbv	98
61) Styrene	13.52	104	2093949	8.245	ppbv	96
62) Isopropylbenzene	14.66	105	5202832	7.381	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	1768248	6.642	ppbv	99
64) n-propylbenzene	15.55	120	1358028	7.837	ppbv	93
65) tert-Butylbenzene	16.73	119	4764800	7.392	ppbv	96
66) Benzyl Chloride	16.98	91	515571	6.151	ppbv	98
67) sec-Butylbenzene	17.28	105	6494780	7.385	ppbv	99
69) p-Isopropyltoluene	17.64	119	5628739	7.586	ppbv	98
70) n-Butylbenzene	18.54	91	5552538	7.290	ppbv	99
71) 2-Chlorotoluene	15.44	91	3831730	7.128	ppbv	97
72) 4-Ethyltoluene	15.83	105	4195736	7.548	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	3866206	7.712	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	4160732	7.437	ppbv	95
75) 1,3-Dichlorobenzene	16.98	146	2460628	7.770	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	2387271	7.556	ppbv	97
77) 1,2-Dichlorobenzene	17.81	146	2375621	7.443	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1788660	6.128	ppbv	99
79) Naphthalene	22.18	128	3538251	8.215	ppbv	98
80) Naphthalene, 2-methyl-	24.96	142	1192755	7.454	ppbv	97
81) 1,2,4-Trichlorobenzene	21.91	180	1152817	4.225	ppbv #	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 24 Jun 2022 10:11 VSTDCCC010

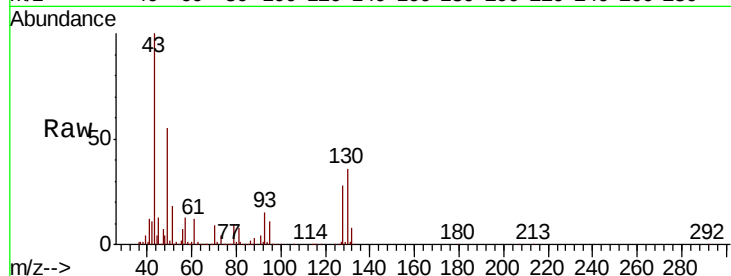
Tot Ion: 49 Resp: 1303722

Ion Ratio Lower Upper

49 100

128 52.2 24.7 74.1

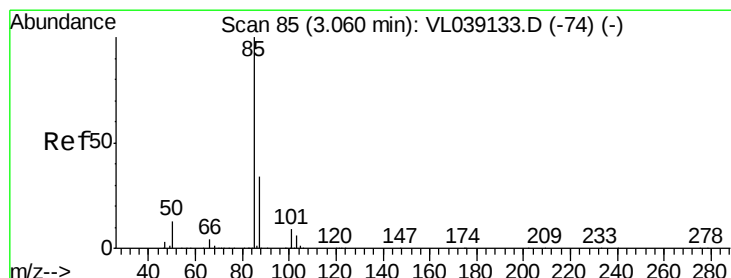
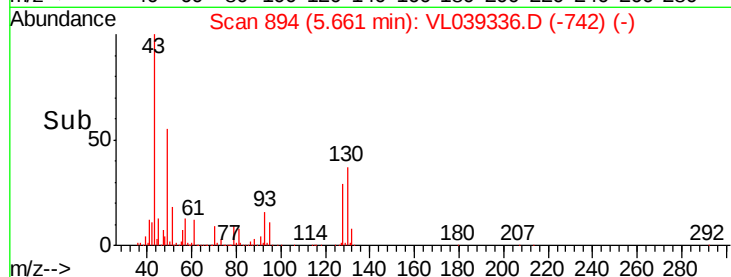
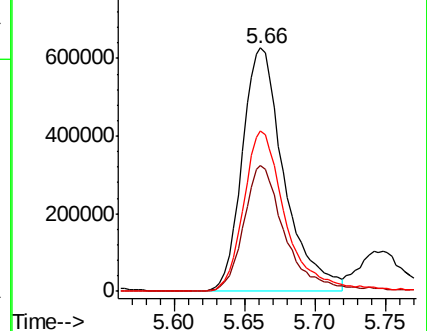
130 67.8 31.4 94.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.567 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.01 min

Lab File: VL039336.D

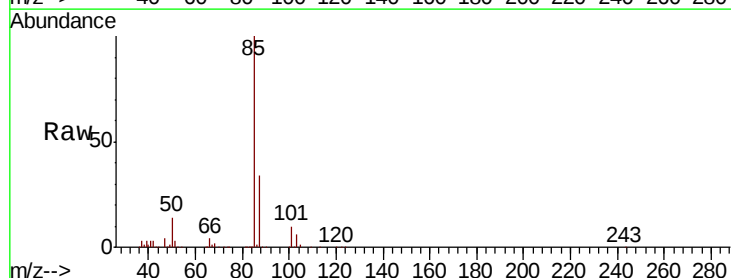
Acq: 24 Jun 2022 10:11

Tgt Ion: 85 Resp: 1732763

Ion Ratio Lower Upper

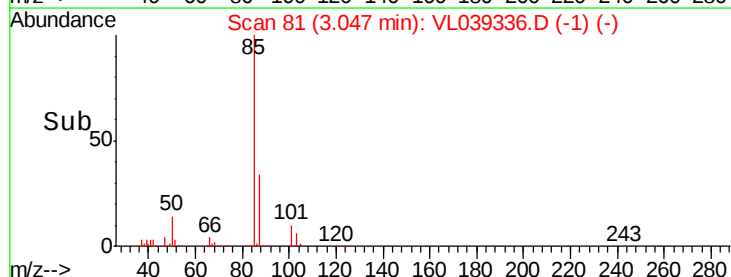
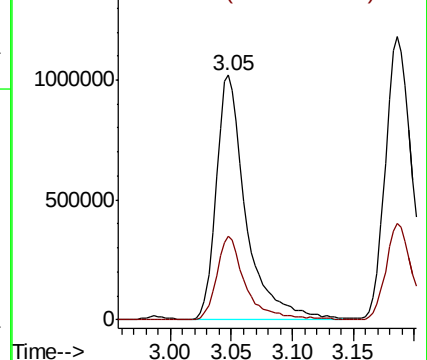
85 100

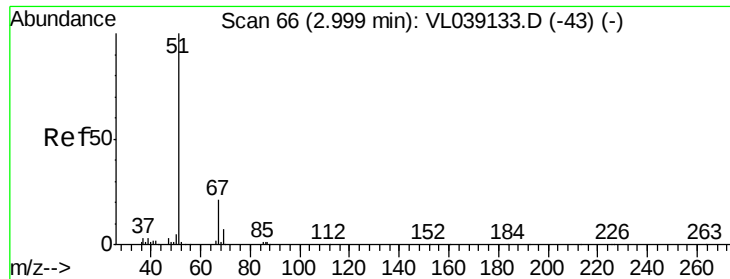
87 34.3 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.132 ppbv

RT: 2.99 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

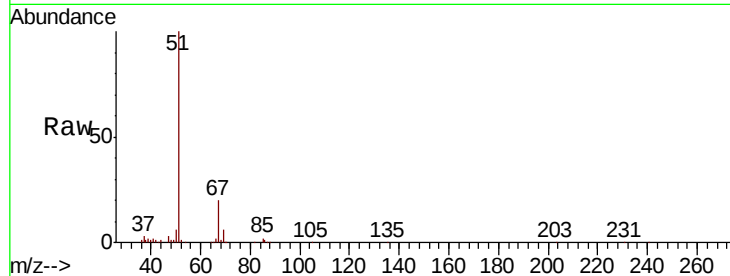
Acq: 24 Jun 2022 10:11

Tot Ion: 51 Resp: 1514873

Ion Ratio Lower Upper

51 100

67 19.4 16.2 24.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.99

800000

600000

400000

200000

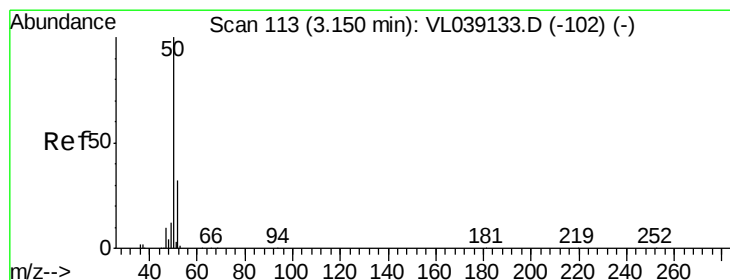
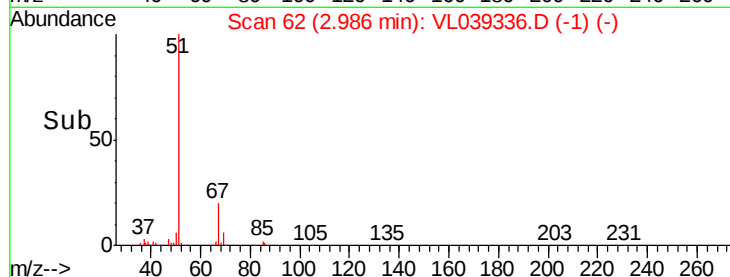
0

Time-->

2.90

3.00

3.10



#4

Chloromethane

Concen: 9.713 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.01 min

Lab File: VL039336.D

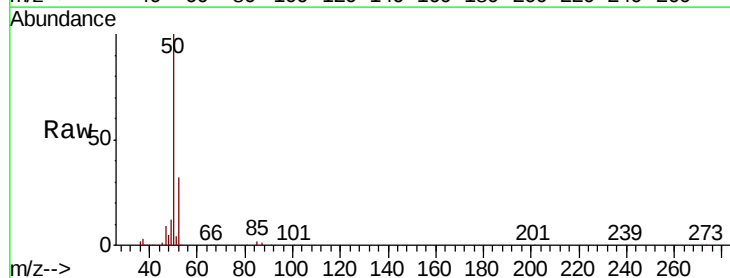
Acq: 24 Jun 2022 10:11

Tgt Ion: 50 Resp: 827640

Ion Ratio Lower Upper

50 100

52 32.4 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.14

500000

400000

300000

200000

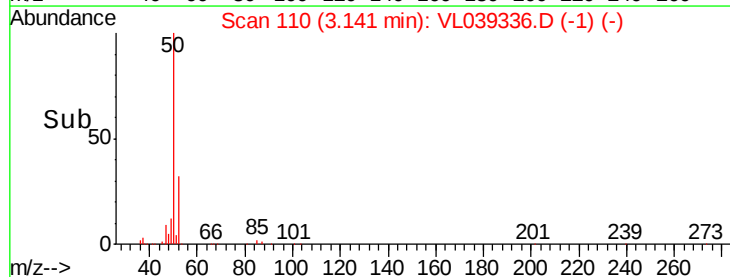
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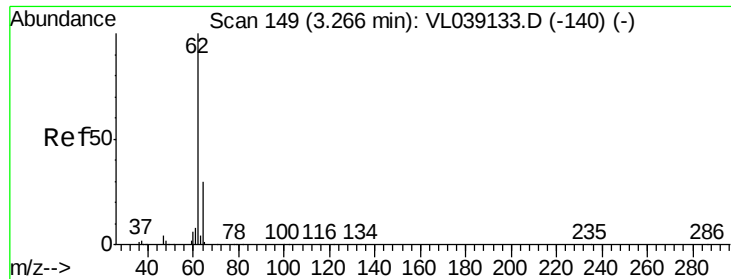
0

Time-->

3.10

3.15





#5

Vinyl Chloride

Concen: 10.164 ppbv

RT: 3.25 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

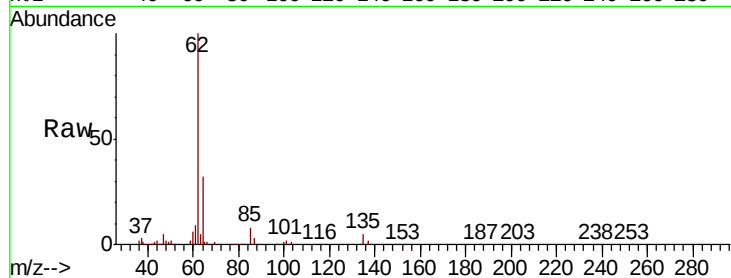
Acq: 24 Jun 2022 10:11 VSTDCCC010

Tot Ion: 62 Resp: 809636

Ion Ratio Lower Upper

62 100

64 32.2 24.2 36.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

400000

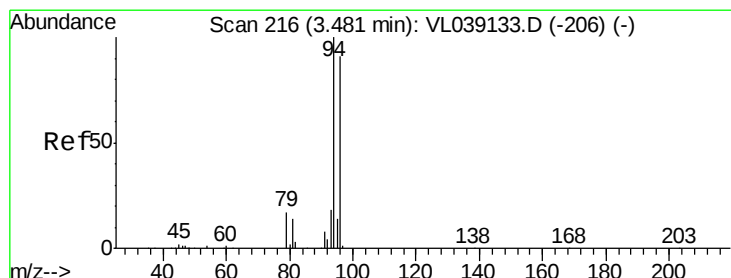
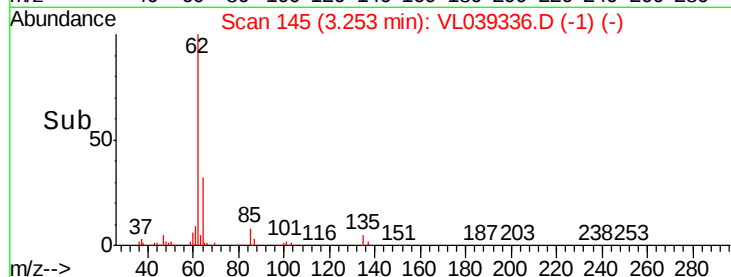
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 8.979 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.01 min

Lab File: VL039336.D

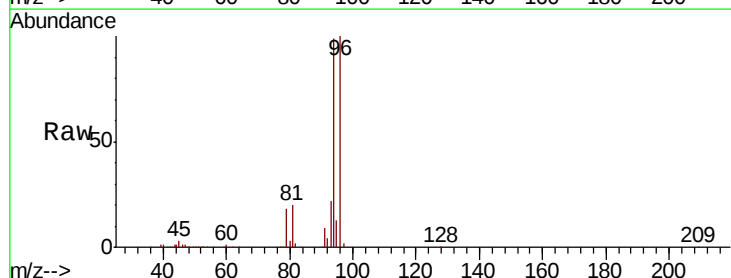
Acq: 24 Jun 2022 10:11

Tgt Ion: 94 Resp: 351819

Ion Ratio Lower Upper

94 100

96 100.5 73.0 109.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

200000

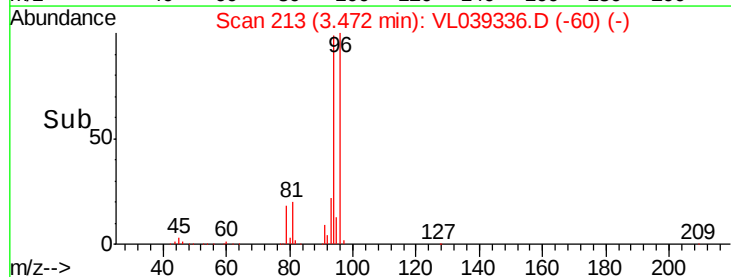
150000

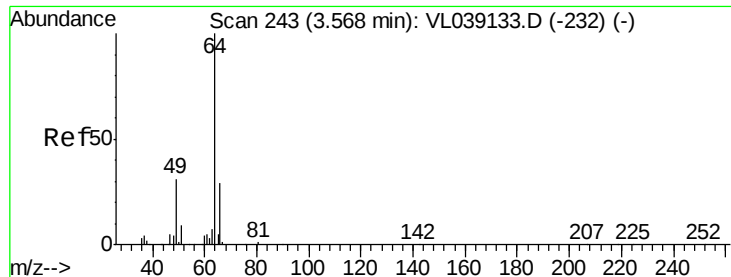
100000

50000

0

Time-->





#7

Chloroethane

Concen: 11.098 ppbv

RT: 3.56 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

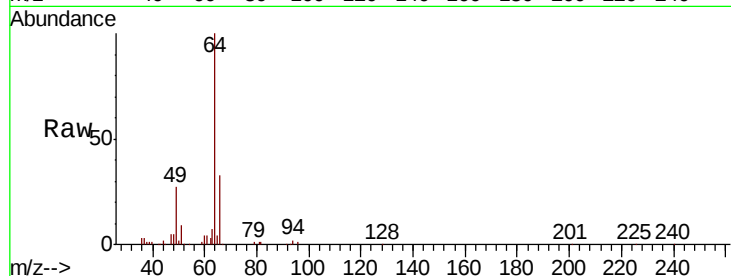
Acq: 24 Jun 2022 10:11

Tot Ion: 64 Resp: 308038

Ion Ratio Lower Upper

64 100

66 32.7 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

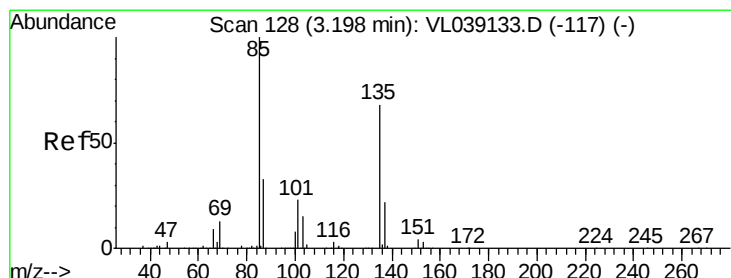
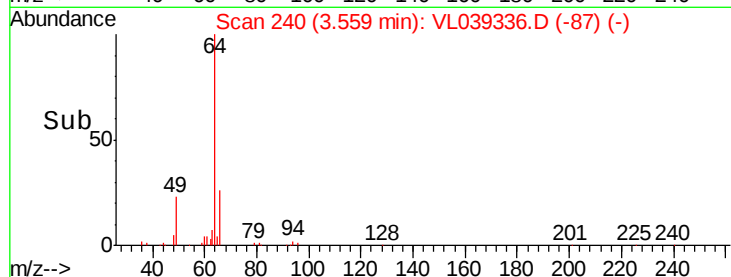
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.510 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.01 min

Lab File: VL039336.D

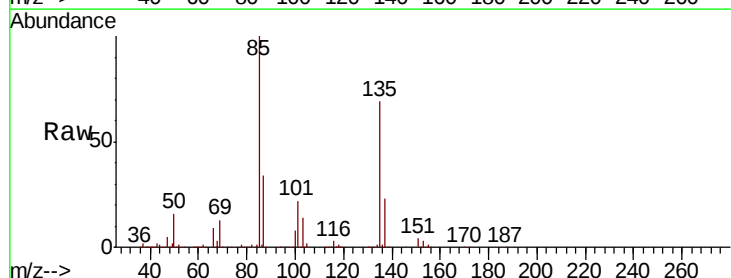
Acq: 24 Jun 2022 10:11

Tgt Ion: 85 Resp: 1990209

Ion Ratio Lower Upper

85 100

135 71.2 55.0 82.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

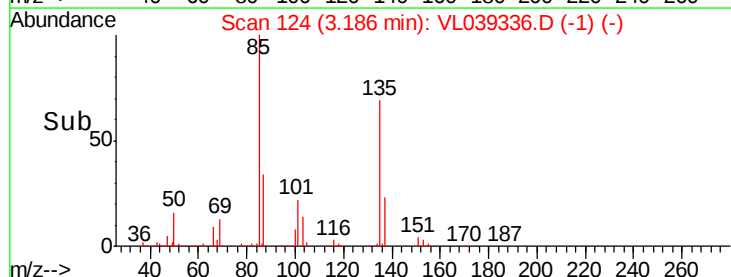
3.19

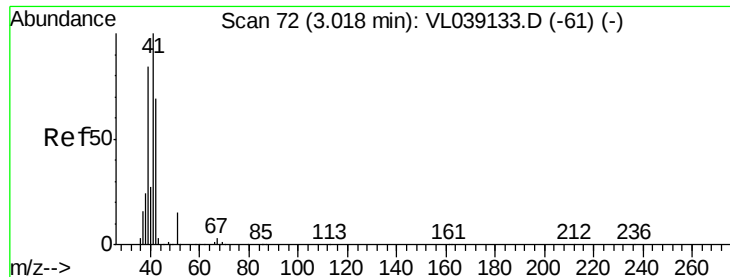
1000000

500000

0

Time-->





#9

Propene

Concen: 9.518 ppbv

RT: 3.01 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

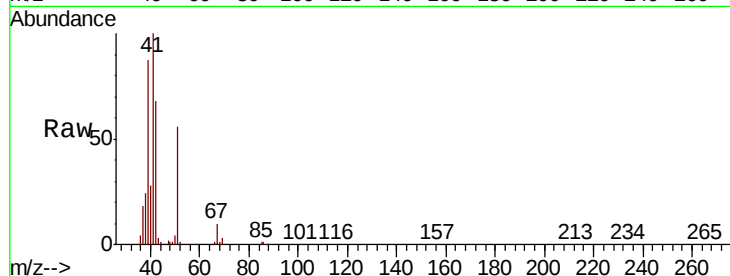
Acq: 24 Jun 2022 10:11

Tot Ion: 41 Resp: 688417

Ion Ratio Lower Upper

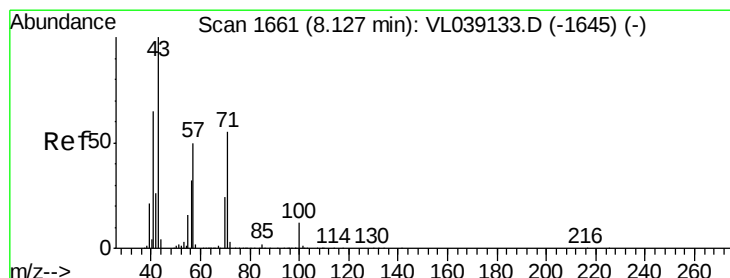
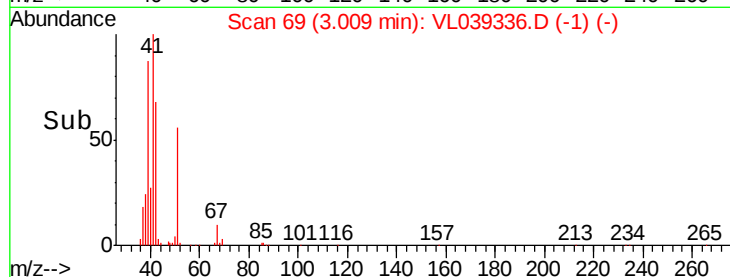
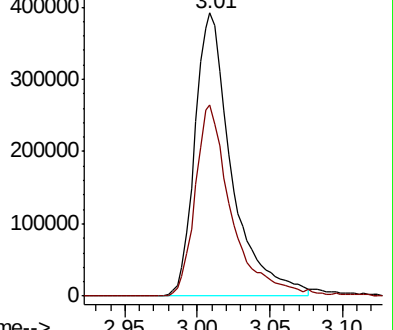
41 100

42 67.5 55.4 83.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.111 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.01 min

Lab File: VL039336.D

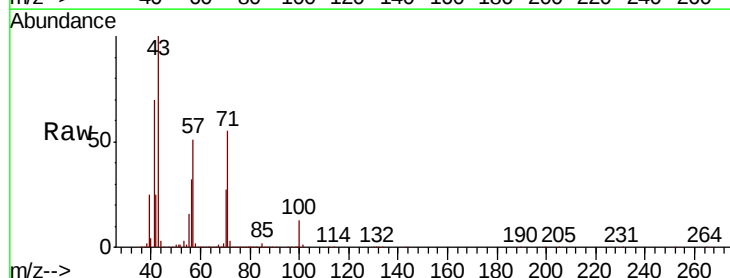
Acq: 24 Jun 2022 10:11

Tgt Ion: 43 Resp: 1706007

Ion Ratio Lower Upper

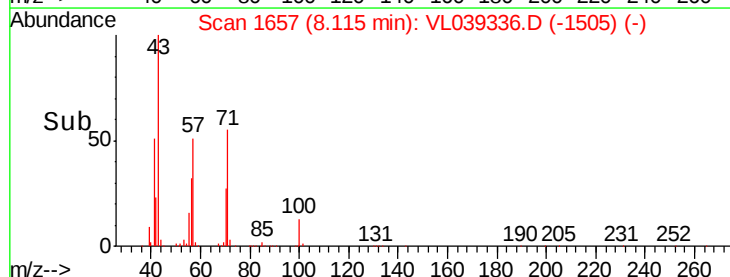
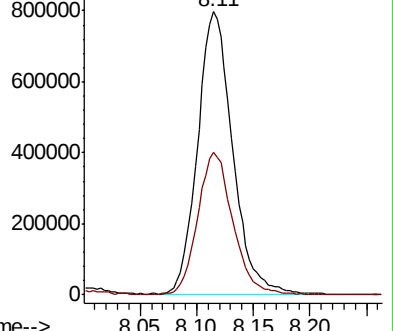
43 100

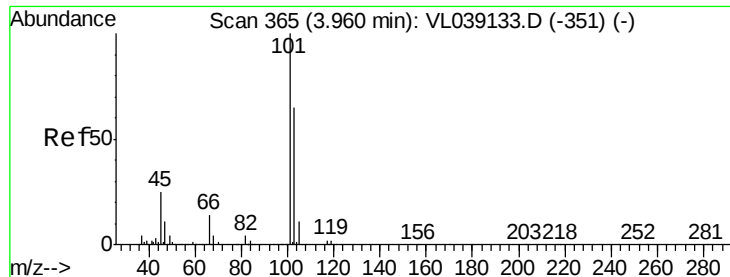
57 51.0 41.4 62.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

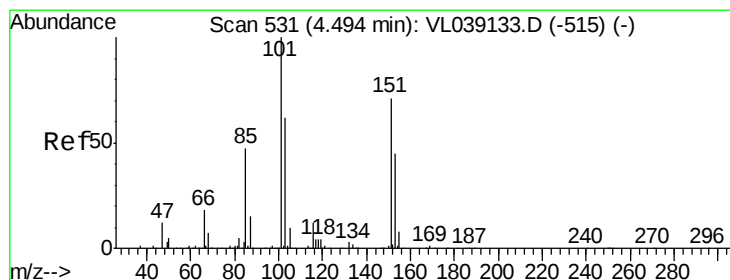
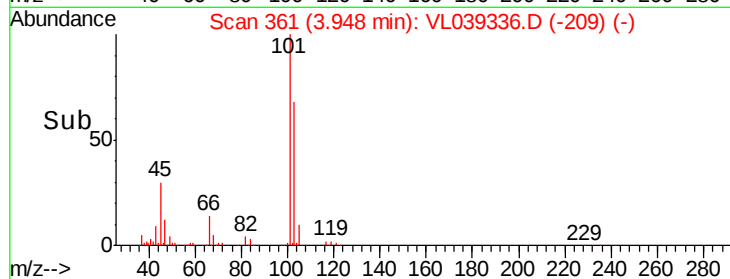
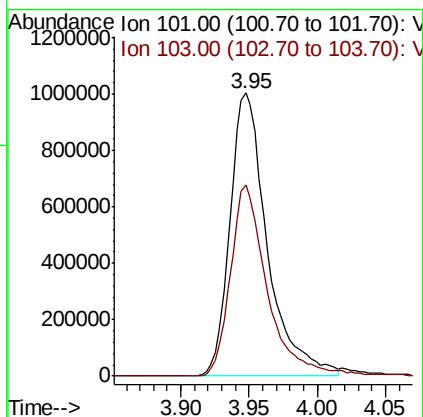
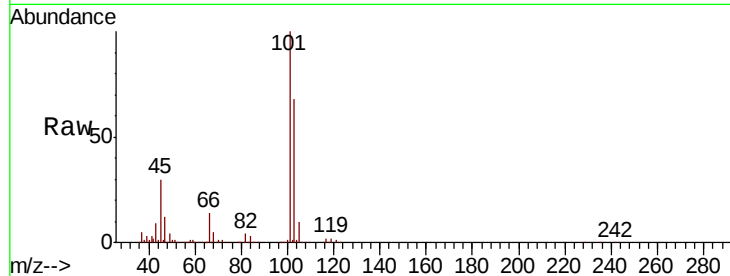
Ion 57.10 (56.80 to 57.80): VL0





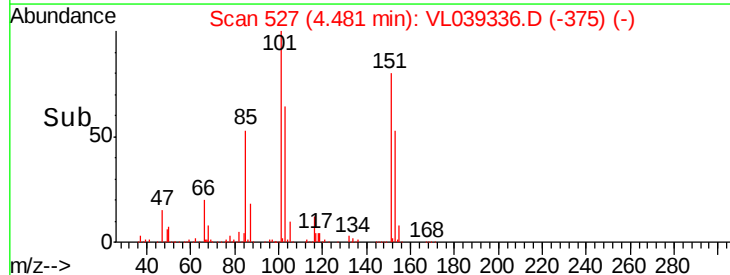
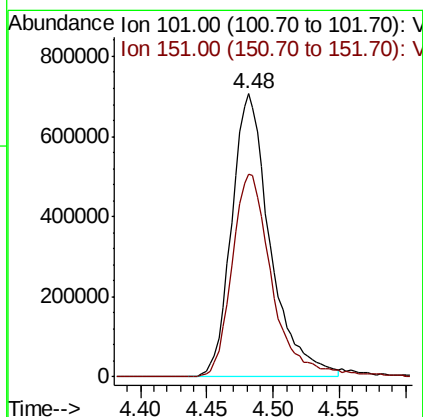
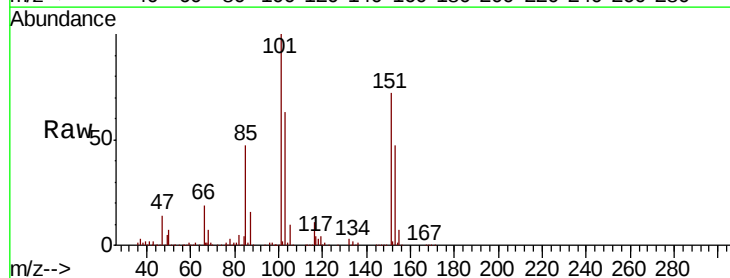
#11
 Trichlorofluoromethane
 Concen: 9.231 ppbv
 RT: 3.95
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 24 Jun 2022 10:11

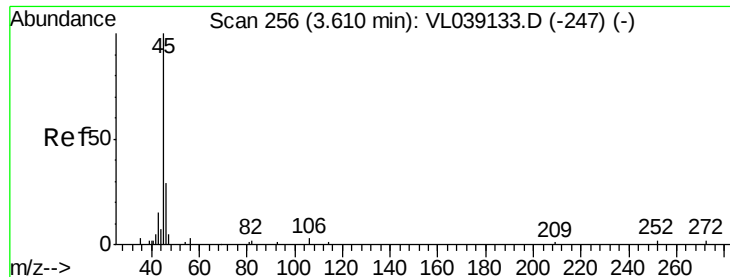
Tot Ion:101 Resp: 1913340
 Ion Ratio Lower Upper
 101 100
 103 67.6 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.429 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: VL039336.D
 Acq: 24 Jun 2022 10:11

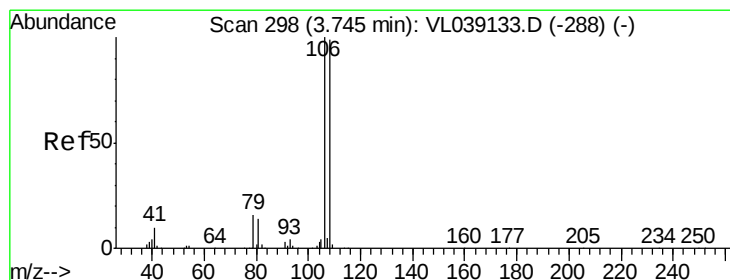
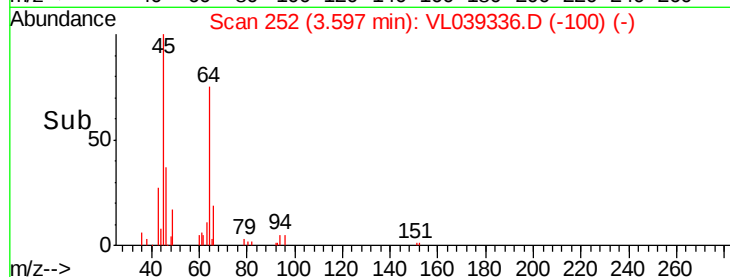
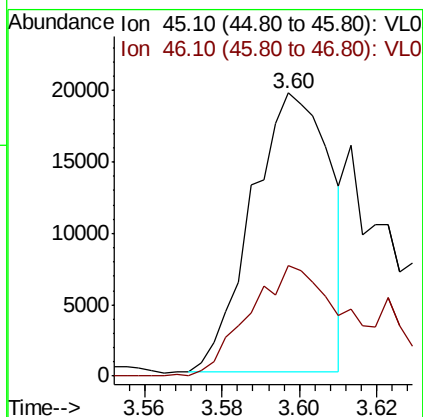
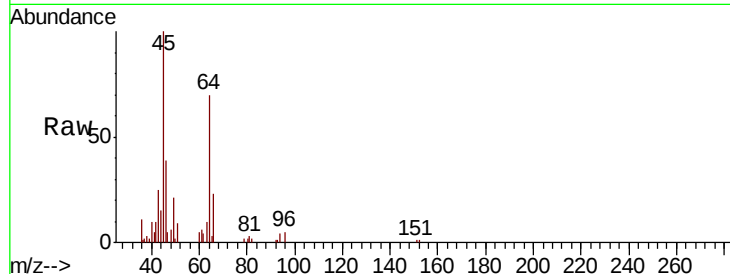
Tgt Ion:101 Resp: 1429621
 Ion Ratio Lower Upper
 101 100
 151 74.9 59.4 89.0





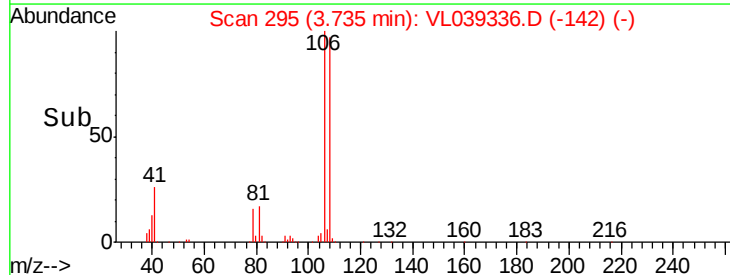
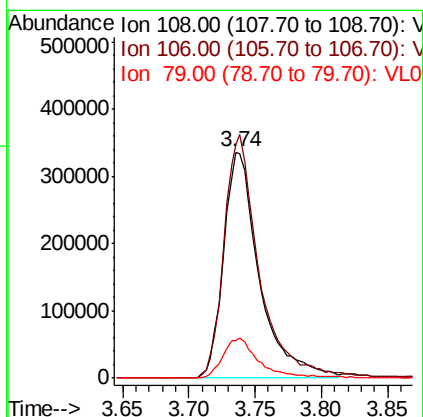
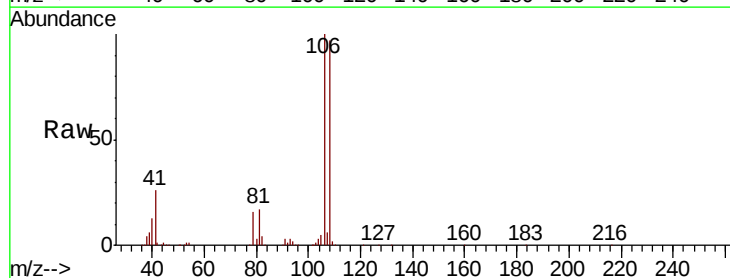
#13
Ethanol
Concen: 6.978 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
VSTDCCC010
Acq: 24 Jun 2022 10:11

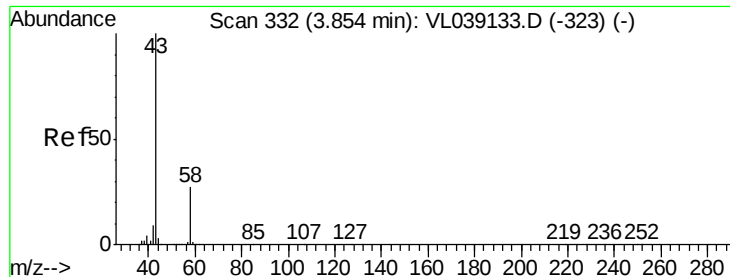
Tot Ion: 45 Resp: 27524
Ion Ratio Lower Upper
45 100
46 70.2 0.0 0.0#



#14
Bromoethene
Concen: 10.215 ppbv
RT: 3.74 min Scan# 295
Delta R.T. -0.01 min
Lab File: VL039336.D
Acq: 24 Jun 2022 10:11

Tgt Ion: 108 Resp: 629485
Ion Ratio Lower Upper
108 100
106 107.4 88.4 132.6
79 18.5 13.4 20.2





#15

Acetone

Concen: 10.522 ppbv

RT: 3.84 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

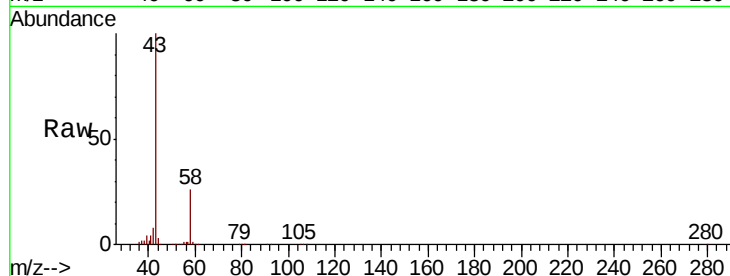
Acq: 24 Jun 2022 10:11 VSTDCCC010

Tot Ion: 43 Resp: 1429005

Ion Ratio Lower Upper

43 100

58 26.9 22.5 33.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.84

800000

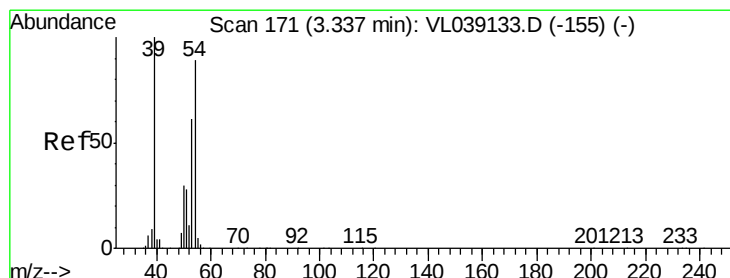
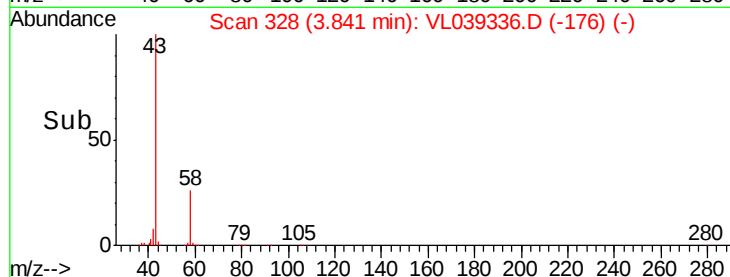
600000

400000

200000

0

Time--> 3.75 3.80 3.85 3.90 3.95



#16

1,3-Butadiene

Concen: 10.621 ppbv

RT: 3.32 min Scan# 167

Delta R.T. -0.01 min

Lab File: VL039336.D

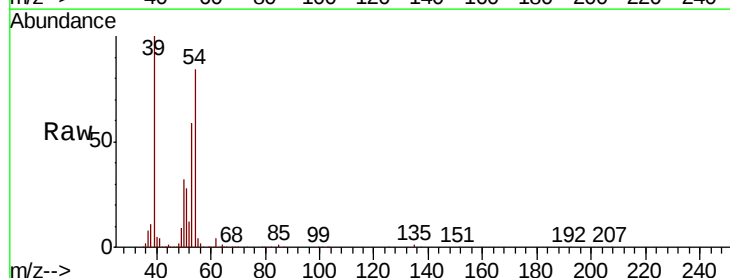
Acq: 24 Jun 2022 10:11

Tgt Ion: 39 Resp: 775371

Ion Ratio Lower Upper

39 100

54 79.7 65.8 98.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.32

400000

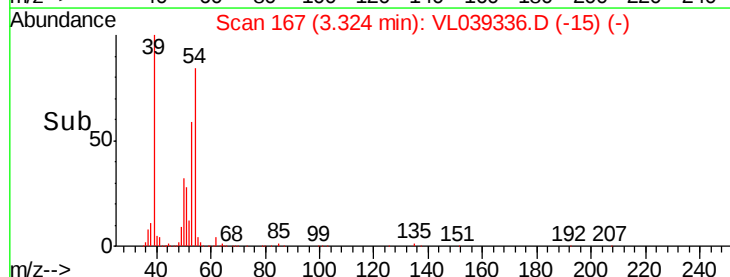
300000

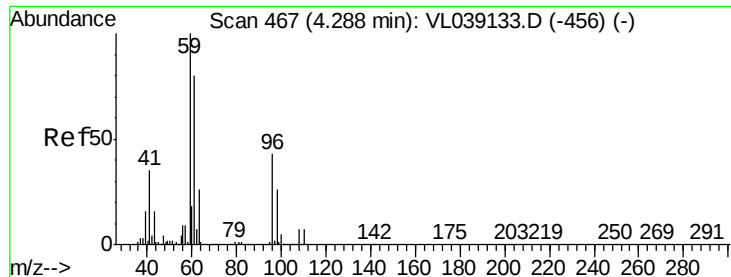
200000

100000

0

Time--> 3.25 3.30 3.35 3.40





#17

tert-Butyl alcohol

Concen: 12.882 ppbv

RT: 4.28 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

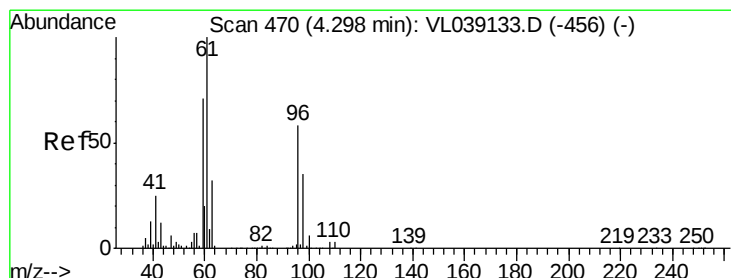
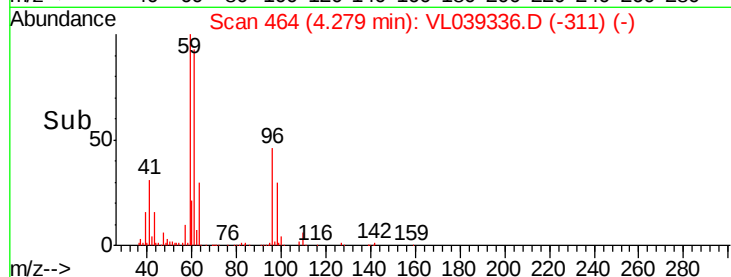
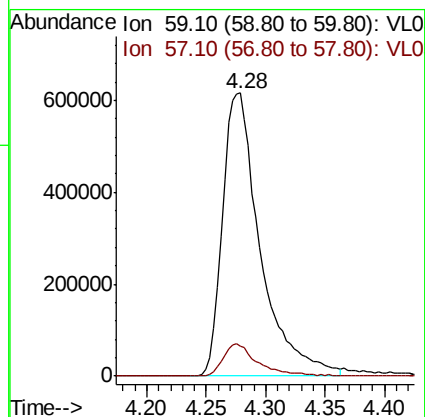
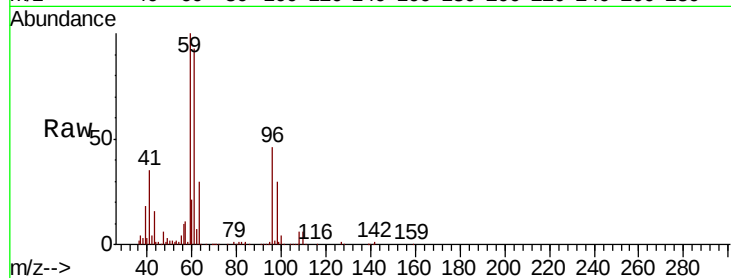
Acq: 24 Jun 2022 10:11 VSTDCCC010

Tot Ion: 59 Resp: 1356965

Ion Ratio Lower Upper

59 100

57 10.8 9.1 13.7



#18

1,1-Dichloroethene

Concen: 10.665 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.01 min

Lab File: VL039336.D

Acq: 24 Jun 2022 10:11

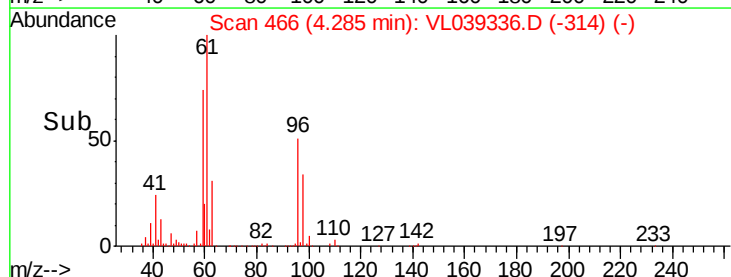
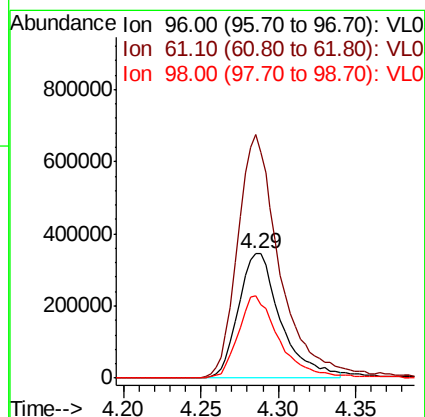
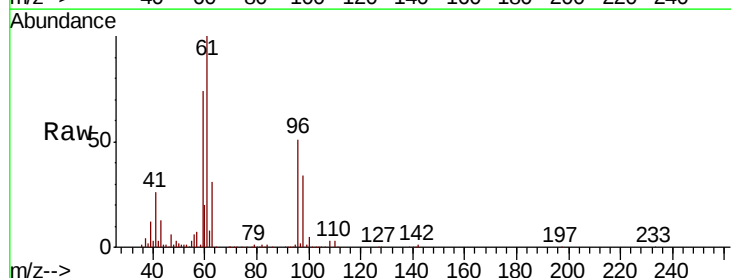
Tgt Ion: 96 Resp: 655813

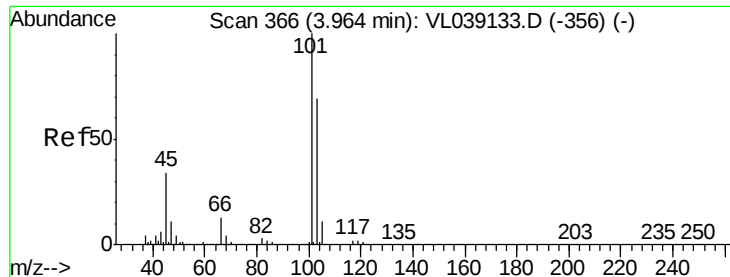
Ion Ratio Lower Upper

96 100

61 196.1 138.4 207.6

98 66.5 47.8 71.8





#19

Isopropyl Alcohol

Concen: 11.903 ppbv

RT: 3.95 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

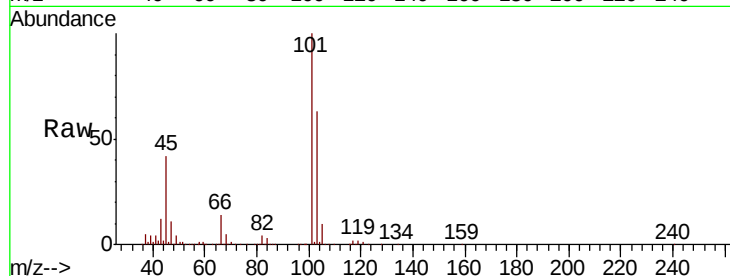
Acq: 24 Jun 2022 10:11

Tot Ion: 45 Resp: 758197

Ion Ratio Lower Upper

45 100

58 3.7 1.8 2.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.95

400000

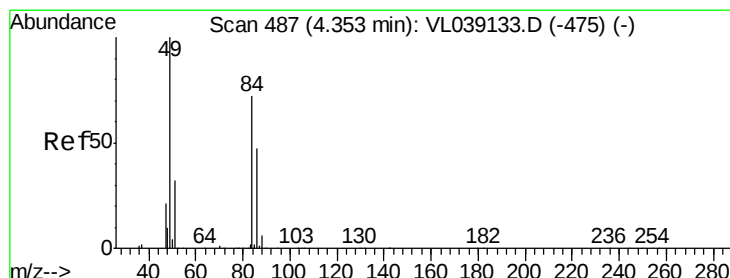
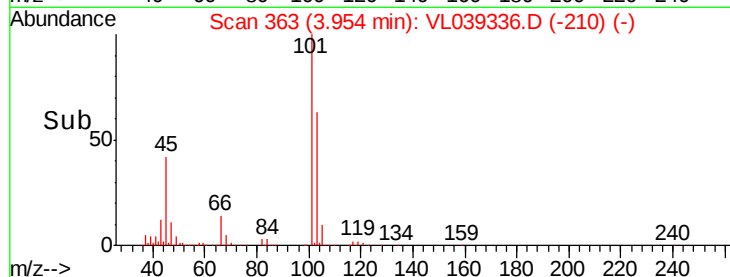
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 9.472 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.01 min

Lab File: VL039336.D

Acq: 24 Jun 2022 10:11

Tgt Ion: 84 Resp: 542104

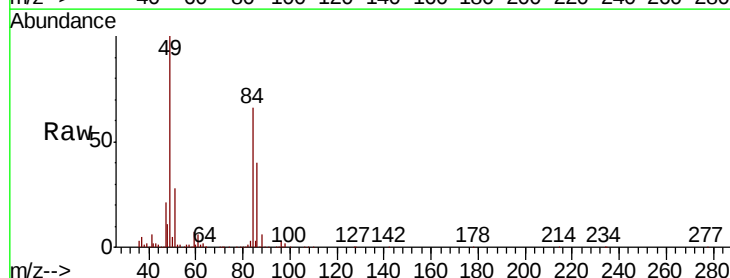
Ion Ratio Lower Upper

84 100

49 149.2 111.1 166.7

51 41.9 35.3 52.9

86 60.5 51.9 77.9



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

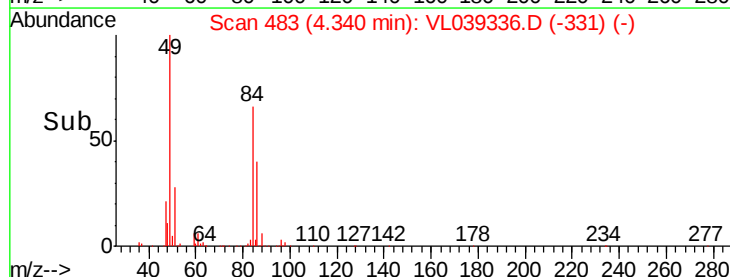
600000

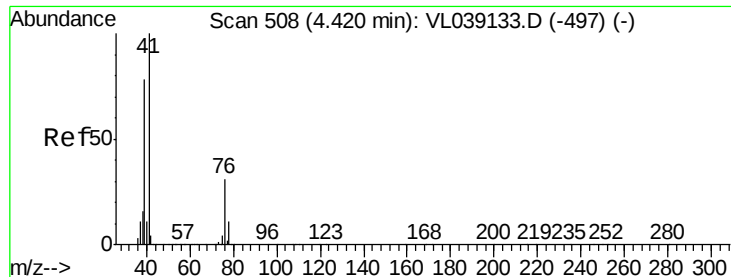
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 11.627 ppbv

RT: 4.40 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Jun 2022 10:11 VSTDCCC010

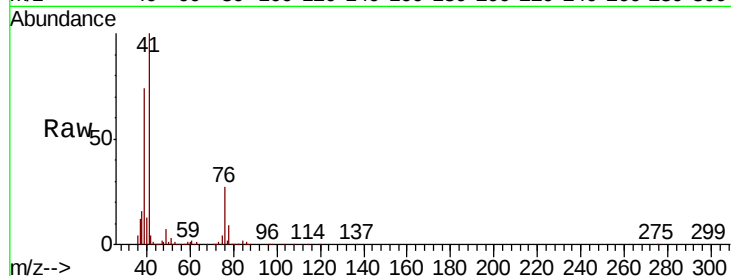
Tot Ion: 41 Resp: 1065139

Ion Ratio Lower Upper

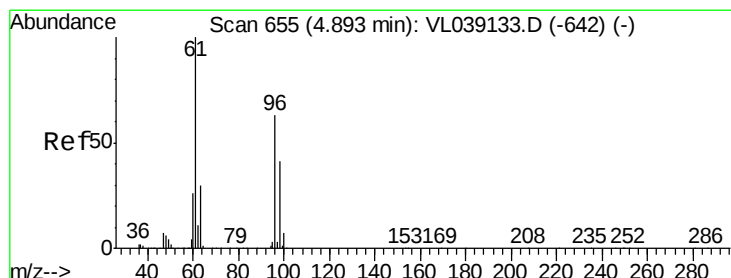
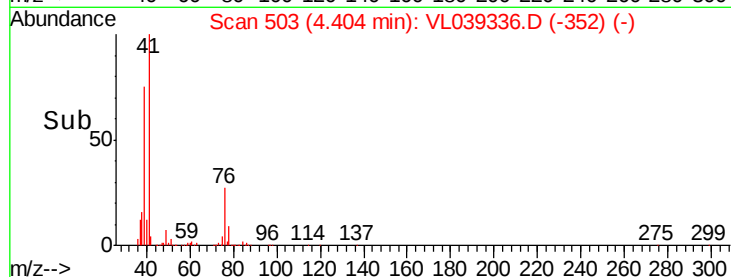
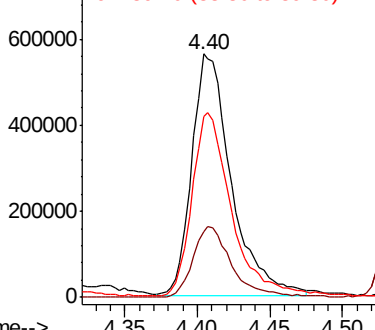
41 100

76 28.9 24.2 36.2

39 75.8 62.2 93.2



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 11.379 ppbv

RT: 4.88 min Scan# 651

Delta R.T. -0.01 min

Lab File: VL039336.D

Acq: 24 Jun 2022 10:11

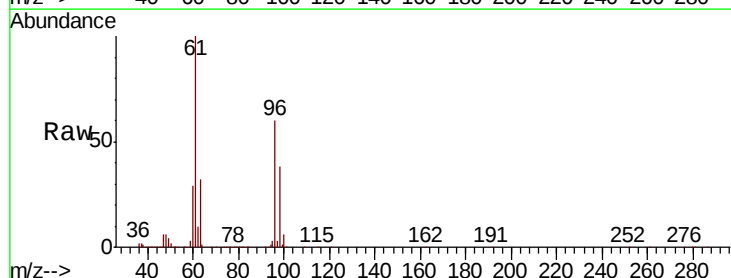
Tgt Ion: 96 Resp: 673251

Ion Ratio Lower Upper

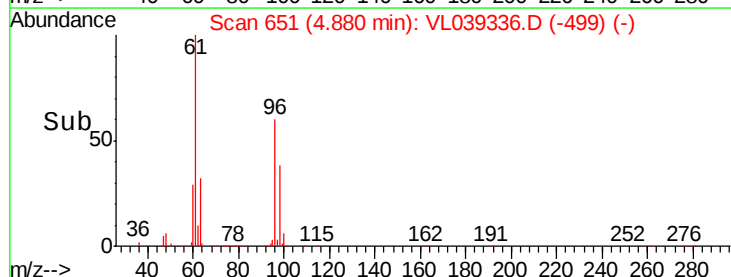
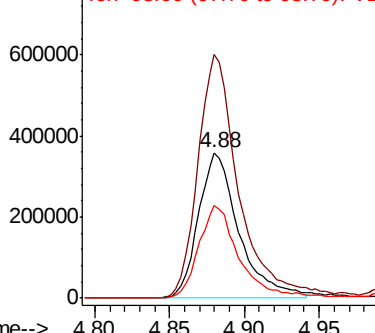
96 100

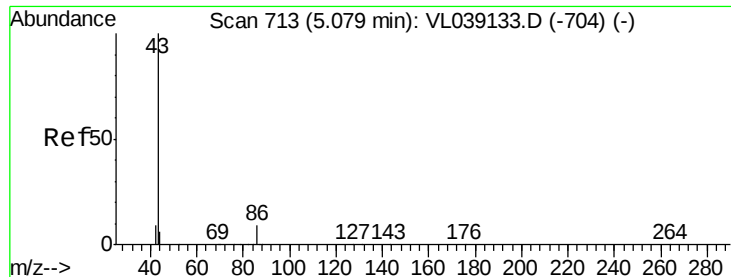
61 167.6 126.6 190.0

98 63.3 52.5 78.7



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





#23

Vinyl Acetate

Concen: 9.577 ppbv

RT: 5.07 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 24 Jun 2022 10:11

Tot Ion: 43 Resp: 1076094

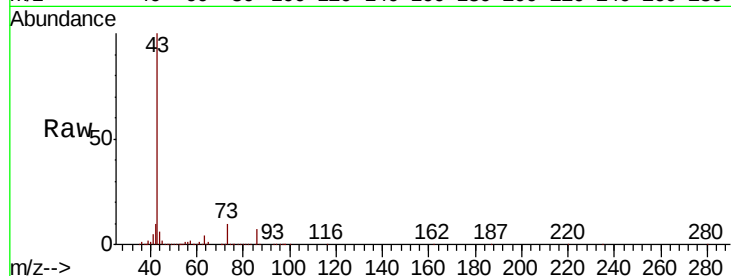
Ion Ratio Lower Upper

43 100

86 7.2 6.0 9.0

42 10.2 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

800000

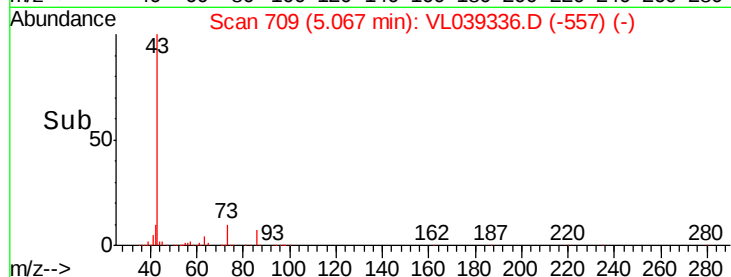
600000

400000

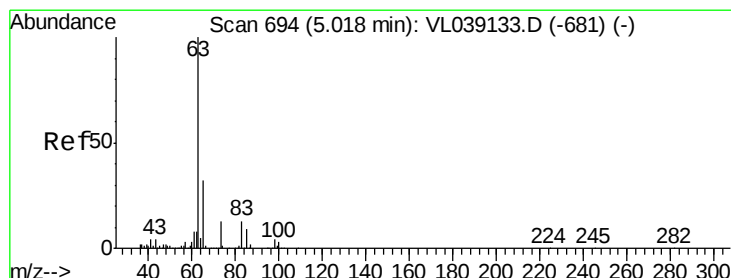
200000

0

5.00 5.05 5.10 5.15



Time-->



#24

1,1-Dichloroethane

Concen: 8.873 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL039336.D

Acq: 24 Jun 2022 10:11

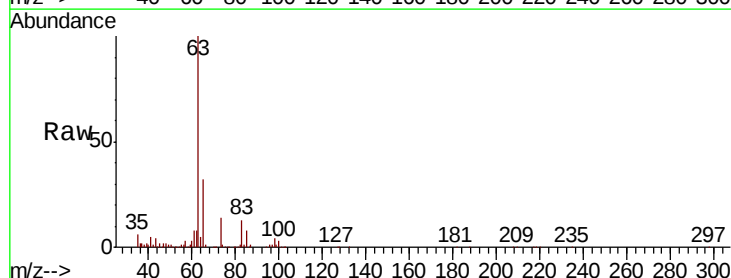
Tgt Ion: 63 Resp: 1366027

Ion Ratio Lower Upper

63 100

98 3.8 2.1 6.2

100 2.8 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

800000

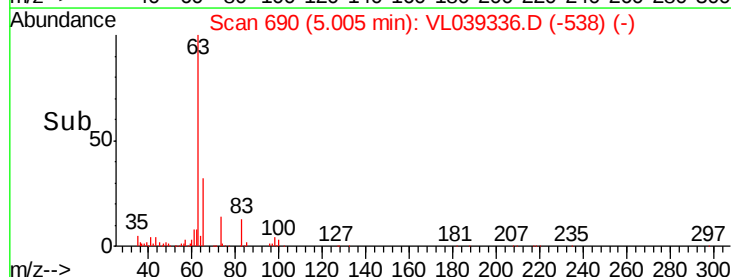
600000

400000

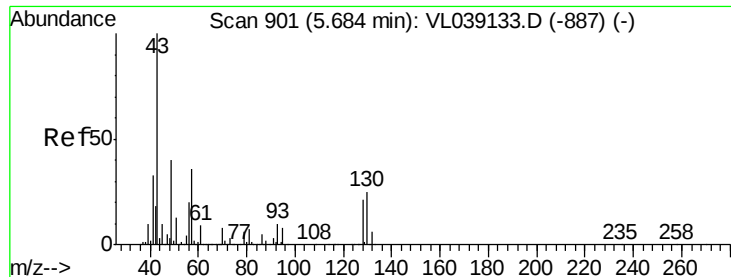
200000

0

4.90 5.00 5.10



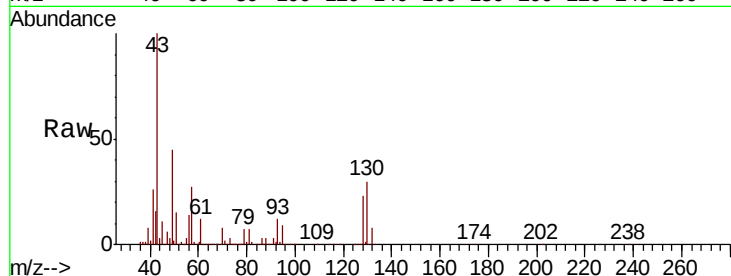
Time-->



#25
Ethyl Acetate
Concen: 10.029 ppbv
RT: 5.67
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 24 Jun 2022 10:11

Tot Ion: 43 Resp: 3069632

Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.2	12.2
61	10.4	8.4	12.6
70	7.3	5.6	8.4



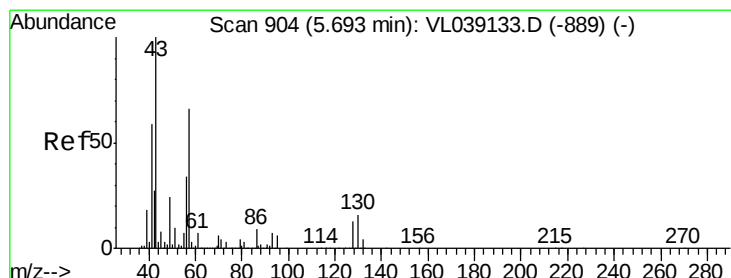
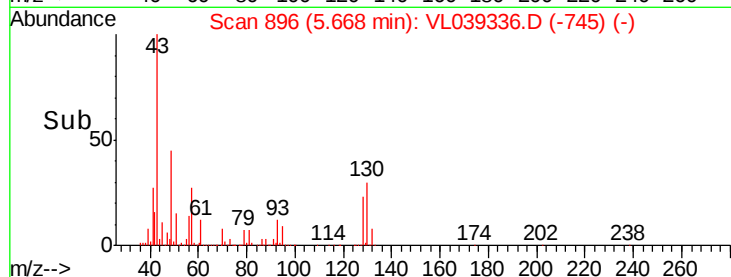
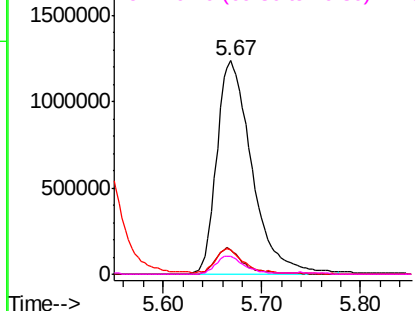
Abundance

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

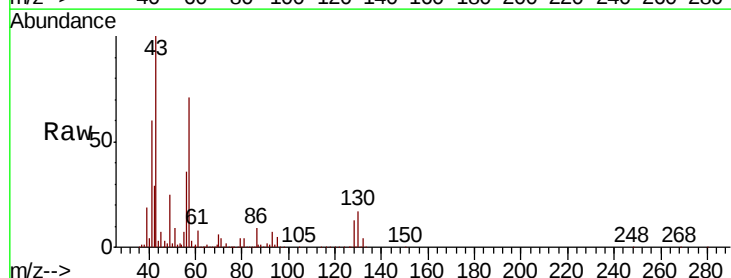
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.828 ppbv
RT: 5.68 min Scan# 900
Delta R.T.: -0.01 min
Lab File: VL039336.D
Acq: 24 Jun 2022 10:11

Tgt Ion: 57 Resp: 1321944

Ion	Ratio	Lower	Upper
57	100		
41	92.4	72.4	108.6
43	234.9	187.0	280.6
56	52.8	41.8	62.6



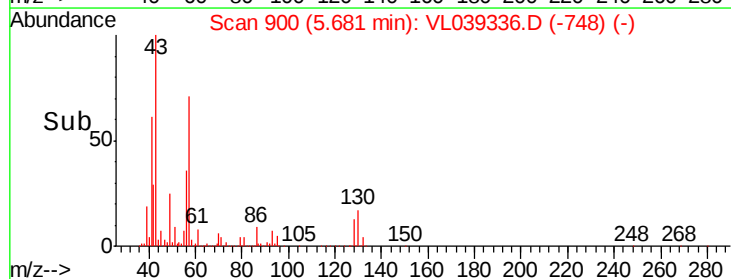
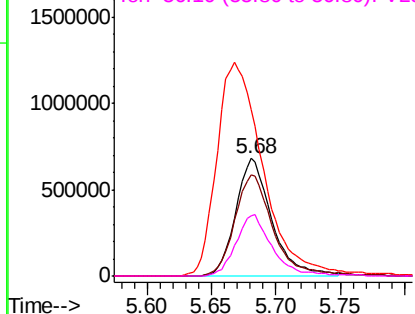
Abundance

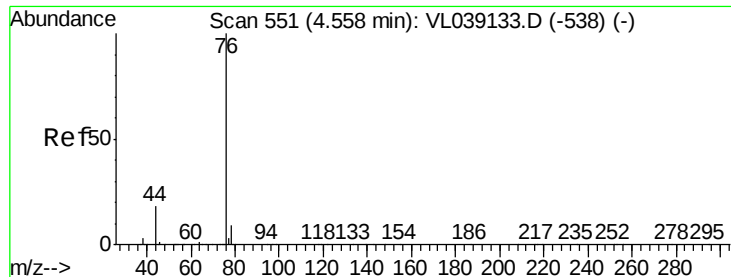
Ion 57.10 (56.80 to 57.80): VL0

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: 11.555 ppbv

RT: 4.55 Instrument: MSVOA_1

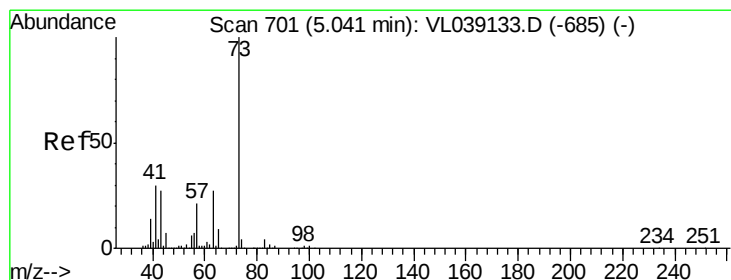
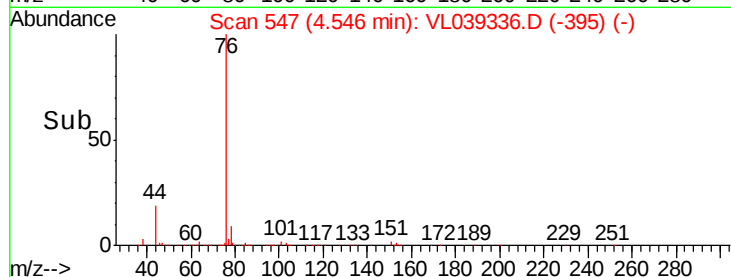
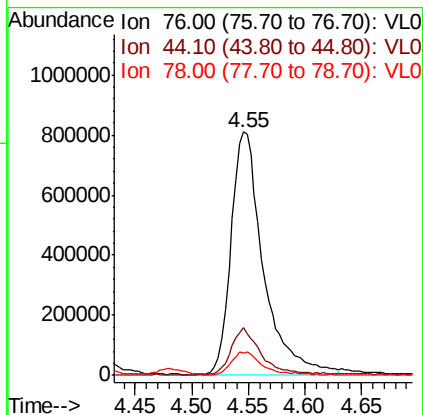
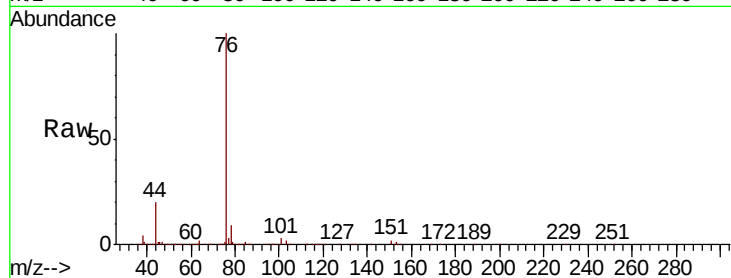
Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 24 Jun 2022 10:11

Tot Ion: 76 Resp: 1610909

Ion	Ratio	Lower	Upper
76	100		
44	18.6	14.4	21.6
78	10.0	7.7	11.5



#28

Methyl tert-Butyl Ether

Concen: 8.523 ppbv

RT: 5.03 min Scan# 697

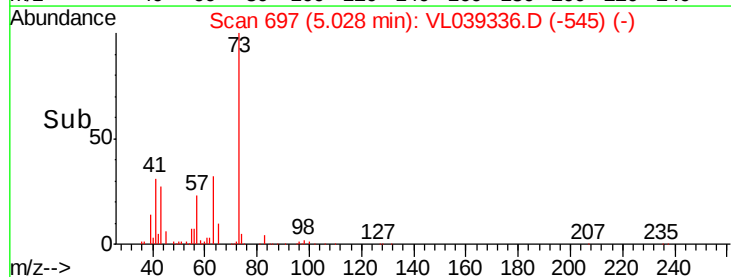
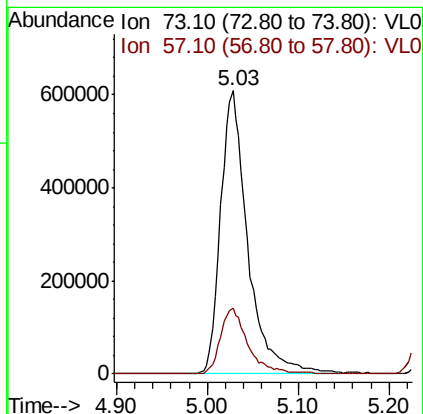
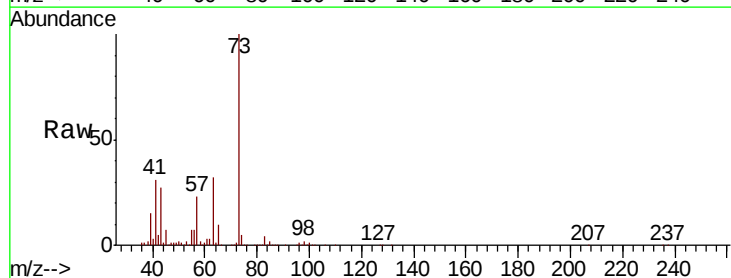
Delta R.T. -0.01 min

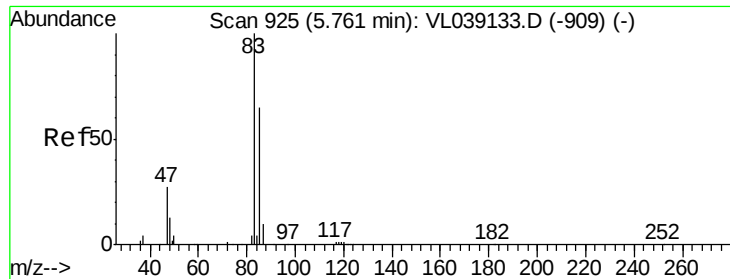
Lab File: VL039336.D

Acq: 24 Jun 2022 10:11

Tgt Ion: 73 Resp: 1265631

Ion	Ratio	Lower	Upper
73	100		
57	23.7	18.6	27.8





#29

Chloroform

Concen: 9.054 ppbv

RT: 5.74 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

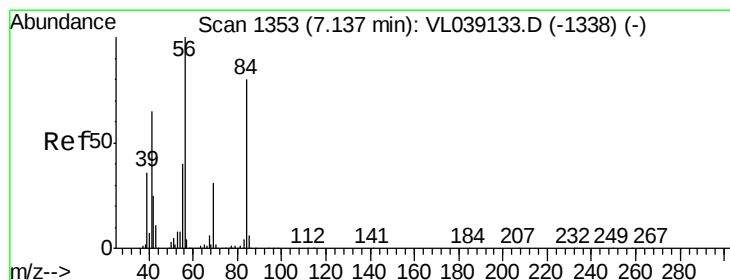
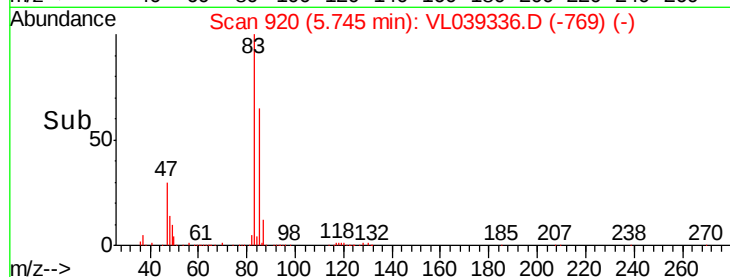
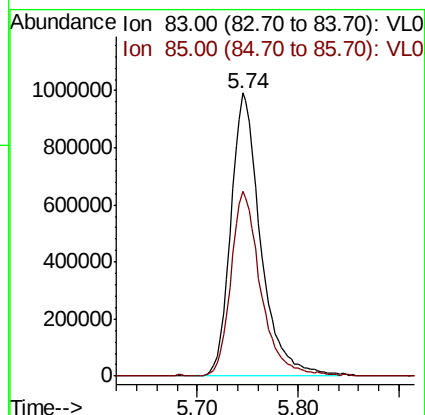
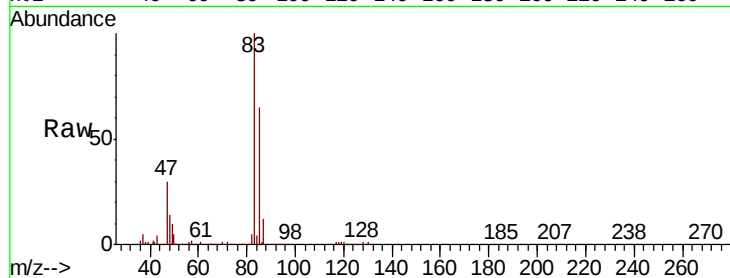
Acq: 24 Jun 2022 10:11

Tot Ion: 83 Resp: 2049413

Ion Ratio Lower Upper

83 100

85 65.3 52.4 78.6



#30

Cyclohexane

Concen: 10.040 ppbv

RT: 7.13 min Scan# 1350

Delta R.T. -0.01 min

Lab File: VL039336.D

Acq: 24 Jun 2022 10:11

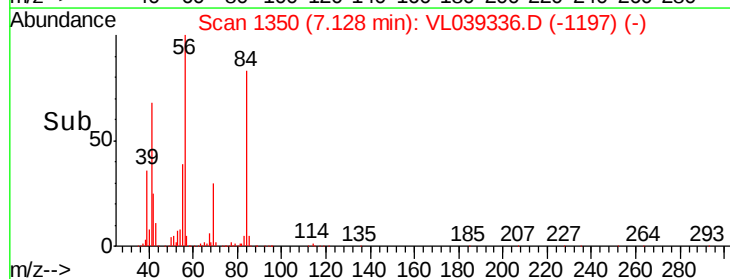
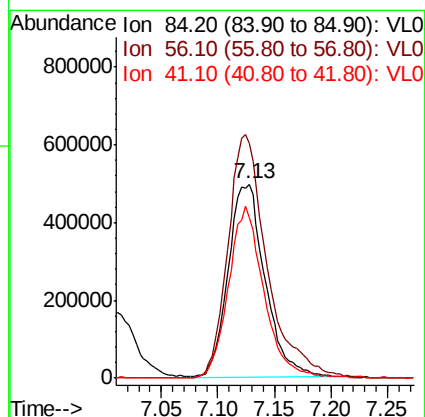
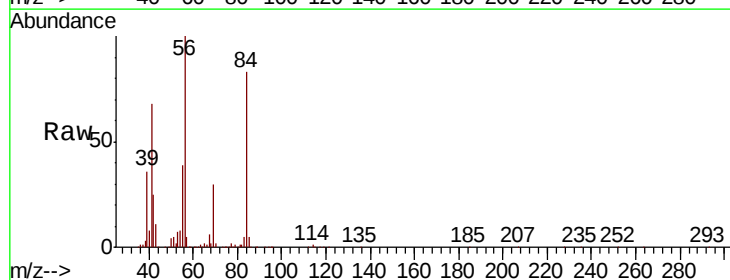
Tgt Ion: 84 Resp: 1134527

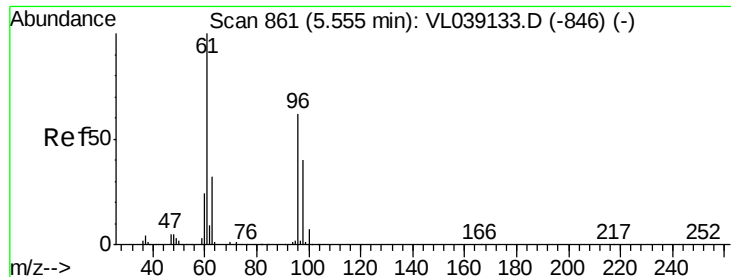
Ion Ratio Lower Upper

84 100

56 133.9 110.6 165.8

41 85.4 68.9 103.3





#31

cis-1,2-Dichloroethene

Concen: 9.638 ppbv

RT: 5.54 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 24 Jun 2022 10:11 VSTDCCC010

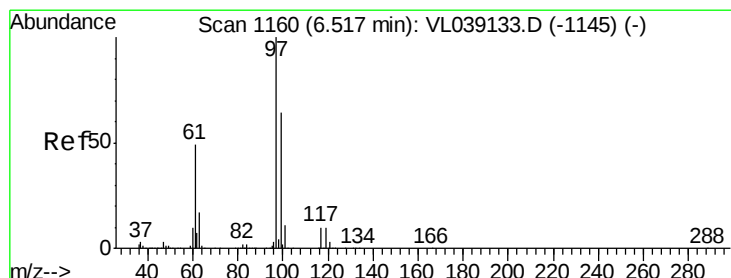
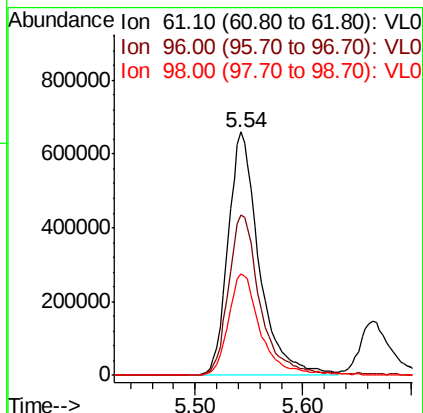
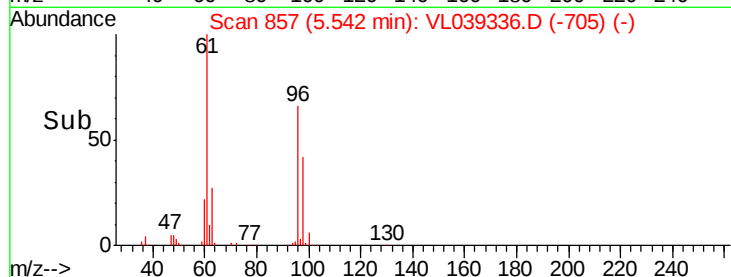
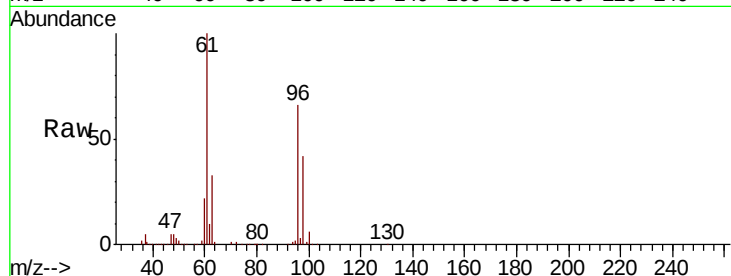
Tot Ion: 61 Resp: 1321861

Ion Ratio Lower Upper

61 100

96 66.0 49.9 74.9

98 41.9 32.0 48.0



#32

1,1,1-Trichloroethane

Concen: 9.415 ppbv

RT: 6.50 min Scan# 1156

Delta R.T. -0.01 min

Lab File: VL039336.D

Acq: 24 Jun 2022 10:11

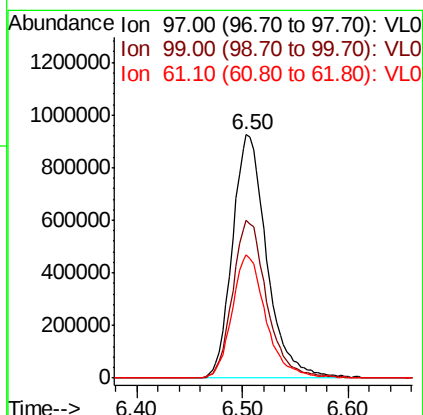
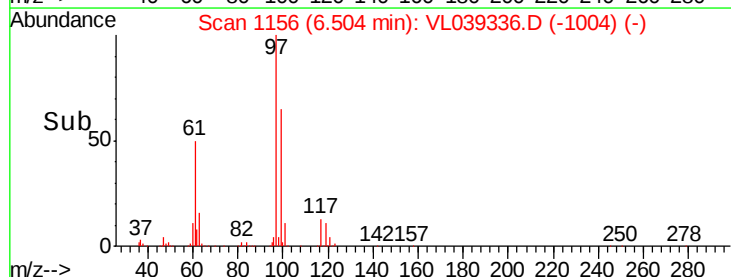
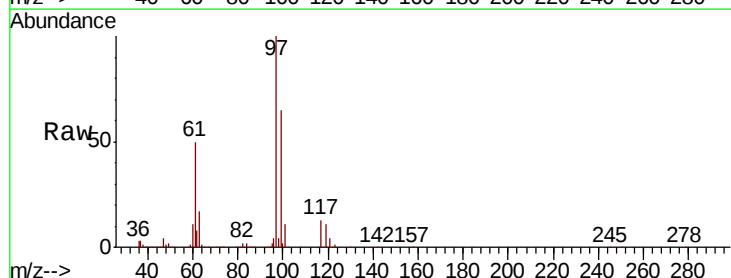
Tgt Ion: 97 Resp: 2085318

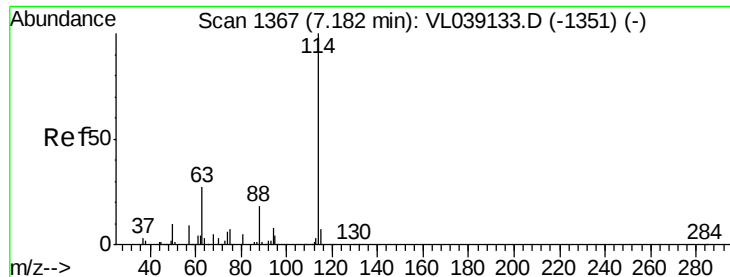
Ion Ratio Lower Upper

97 100

99 64.8 52.1 78.1

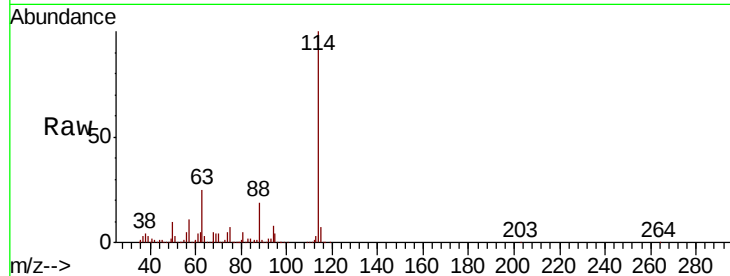
61 50.4 40.0 60.0



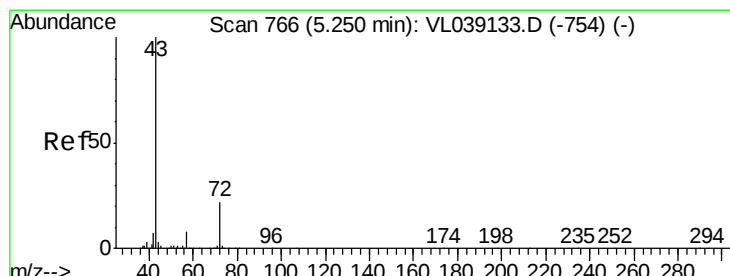
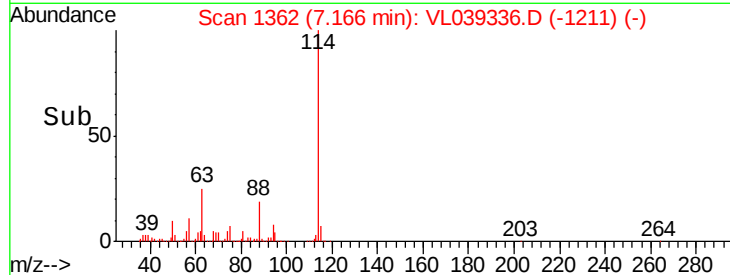
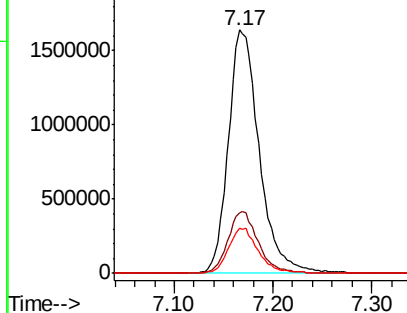


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 24 Jun 2022 10:11

Tot Ion:114 Resp: 3592647
 Ion Ratio Lower Upper
 114 100
 63 25.5 21.7 32.5
 88 18.2 14.8 22.2

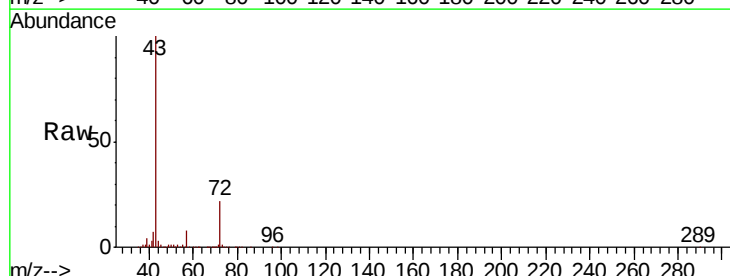


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

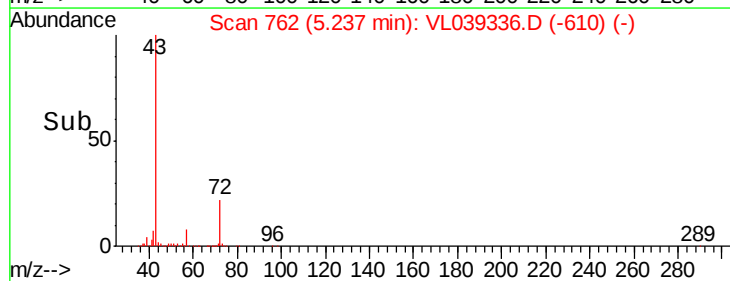
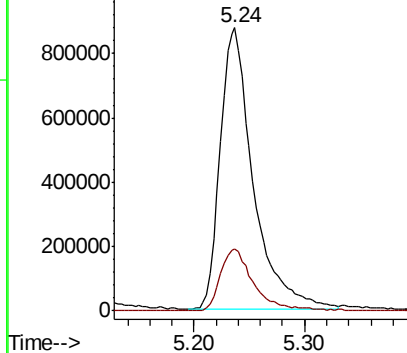


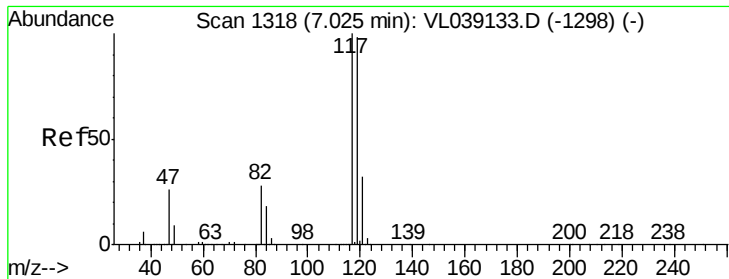
#34
 2-Butanone
 Concen: 9.280 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VL039336.D
 Acq: 24 Jun 2022 10:11

Tgt Ion: 43 Resp: 1811332
 Ion Ratio Lower Upper
 43 100
 72 22.8 18.2 27.2



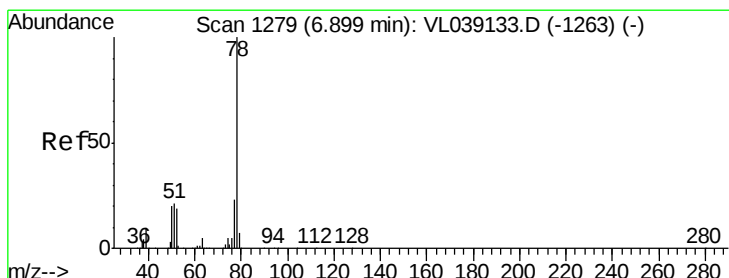
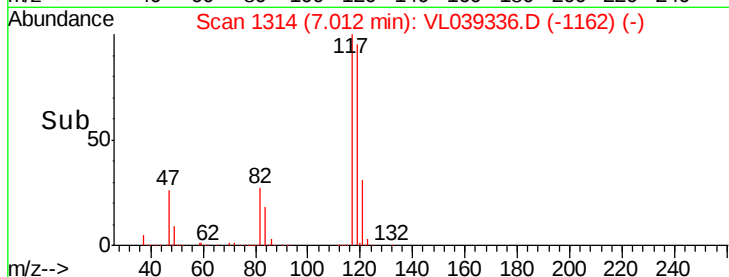
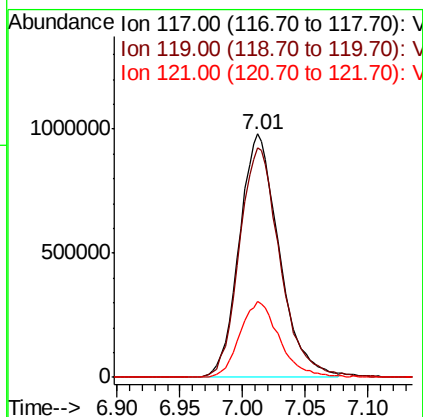
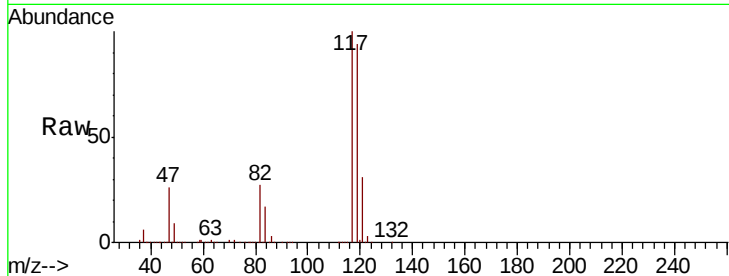
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





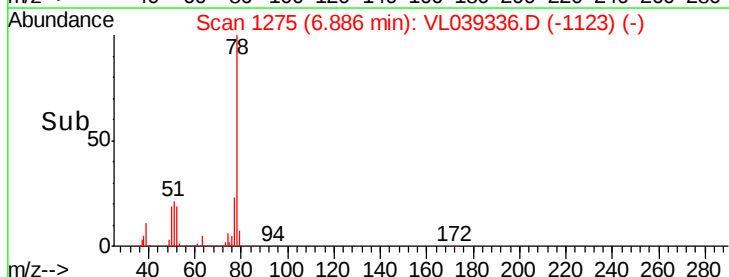
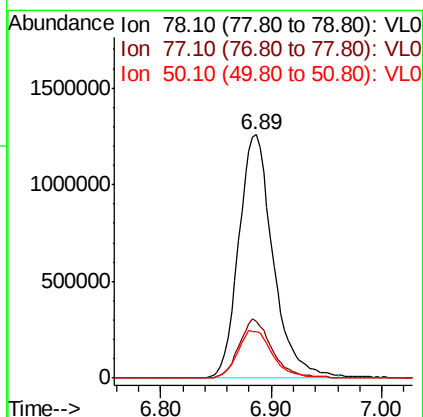
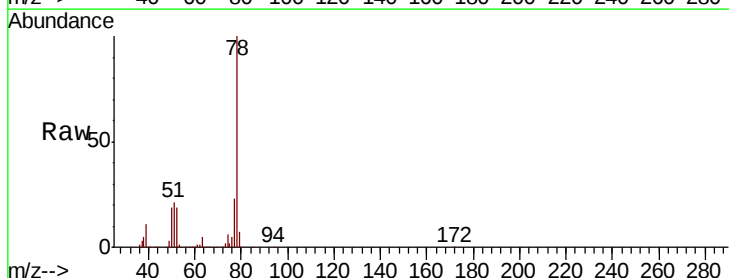
#35
Carbon Tetrachloride
Concen: 8.260 ppbv
RT: 7.01
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Jun 2022 10:11

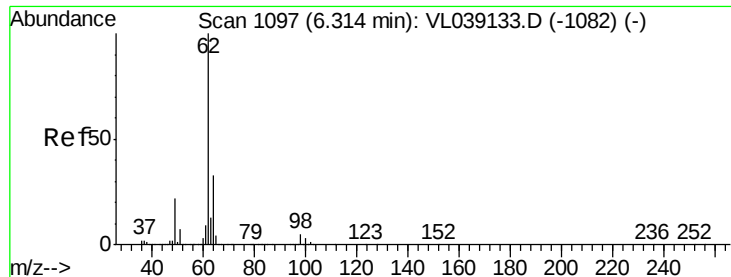
Tot Ion:117 Resp: 2165940
Ion Ratio Lower Upper
117 100
119 94.2 78.6 118.0
121 31.1 25.4 38.0



#36
Benzene
Concen: 9.308 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VL039336.D
Acq: 24 Jun 2022 10:11

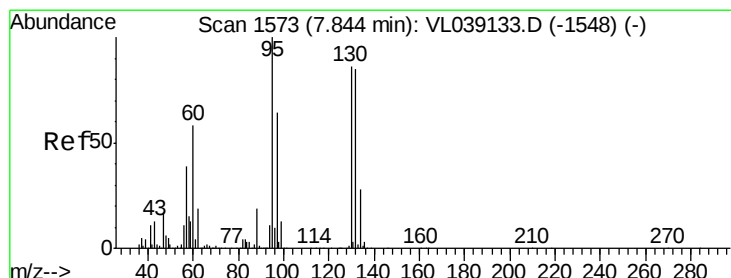
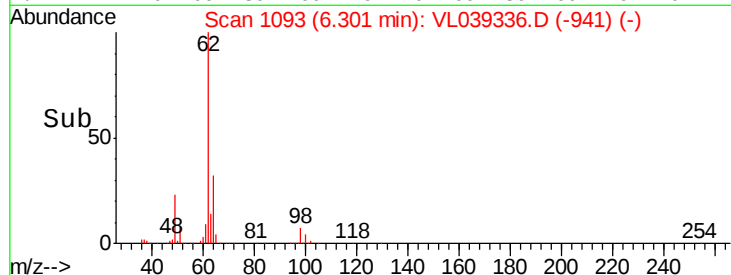
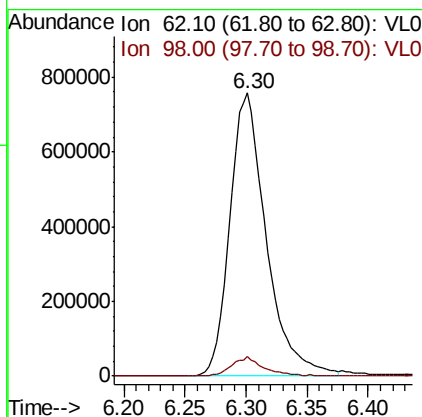
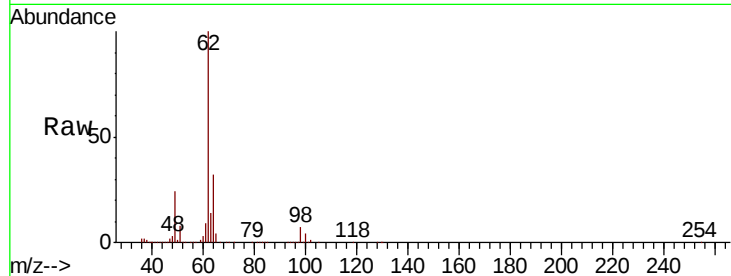
Tgt Ion: 78 Resp: 2714944
Ion Ratio Lower Upper
78 100
77 23.1 18.6 27.8
50 19.3 15.8 23.8





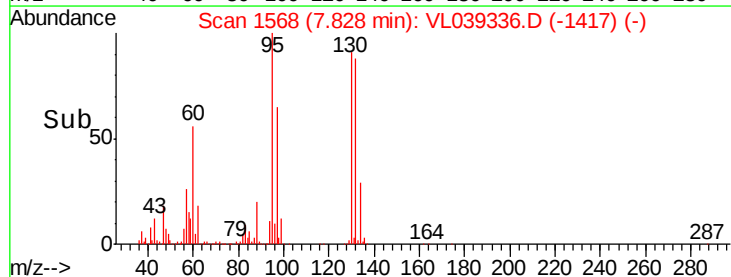
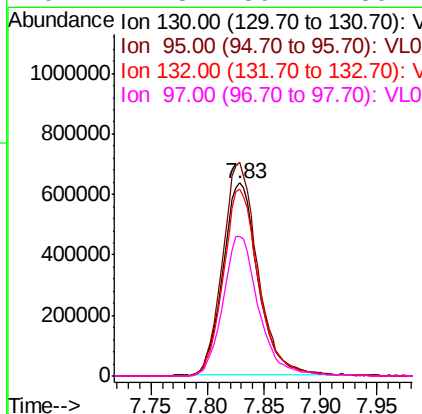
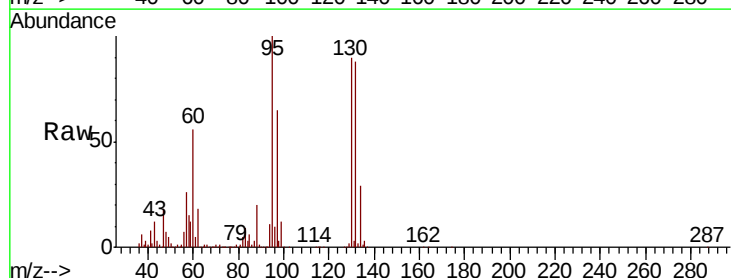
#37
 1,2-Dichloroethane
 Concen: 8.194 ppbv
 RT: 6.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 24 Jun 2022 10:11

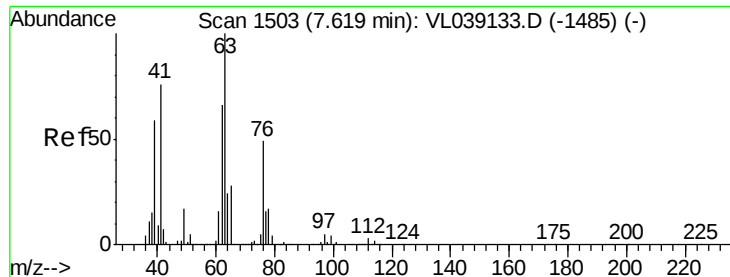
Tot Ion: 62 Resp: 1572854
 Ion Ratio Lower Upper
 62 100
 98 6.1 4.3 6.5



#38
 Trichloroethene
 Concen: 10.218 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: VL039336.D
 Acq: 24 Jun 2022 10:11

Tgt Ion:130 Resp: 1368846
 Ion Ratio Lower Upper
 130 100
 95 110.9 93.3 139.9
 132 97.4 79.0 118.4
 97 72.3 59.4 89.2





#39

1,2-Dichloropropane

Concen: 8.724 ppbv

RT: 7.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Jun 2022 10:11 VSTDCCC010

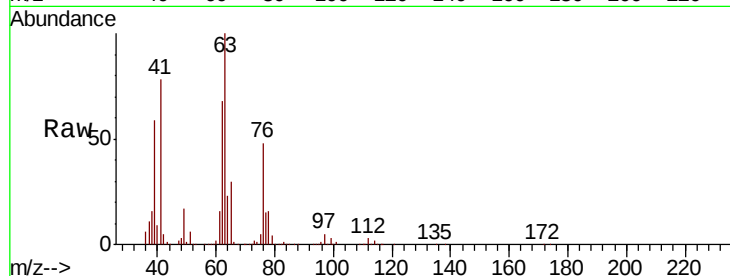
Tot Ion: 63 Resp: 1012143

Ion Ratio Lower Upper

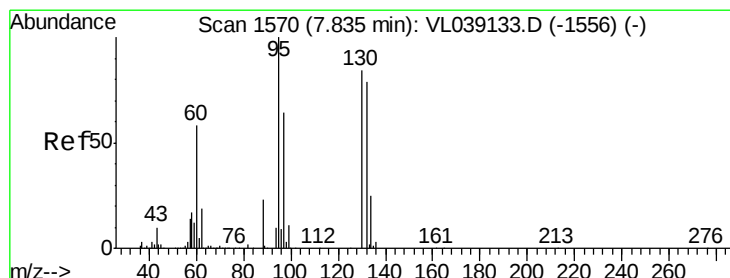
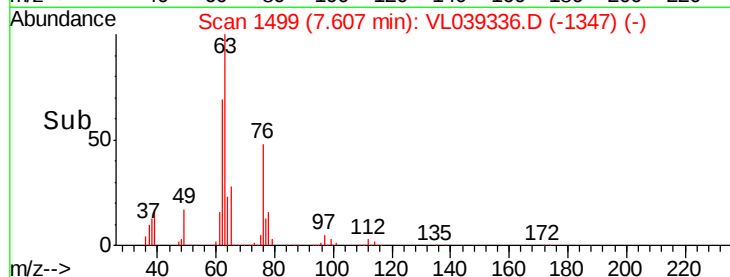
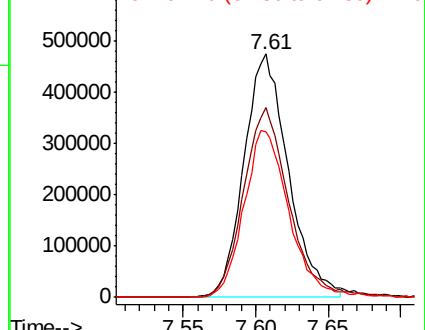
63 100

41 77.7 60.8 91.2

62 68.0 52.9 79.3



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.788 ppbv

RT: 7.82 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VL039336.D

Acq: 24 Jun 2022 10:11

Tgt Ion: 88 Resp: 373855

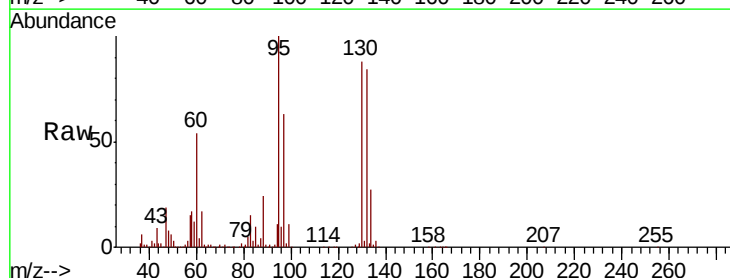
Ion Ratio Lower Upper

88 100

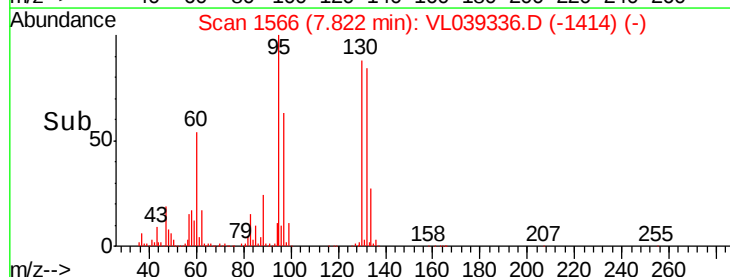
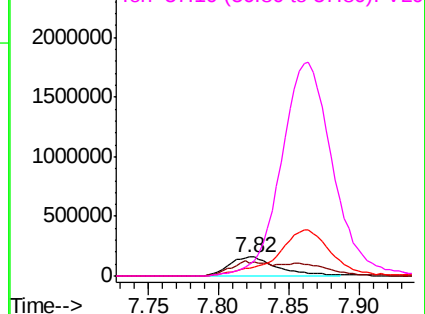
58 133.7 111.2 166.8

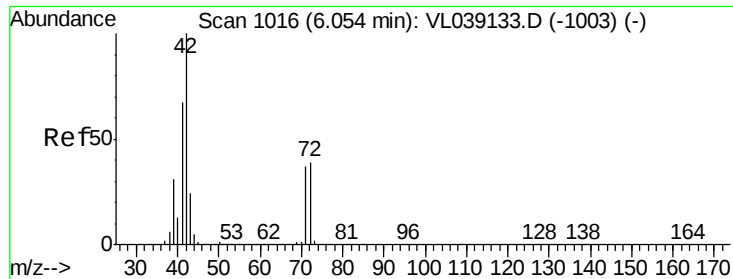
43 280.5 234.2 351.4

57 1227.7 1039.9 1559.9



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

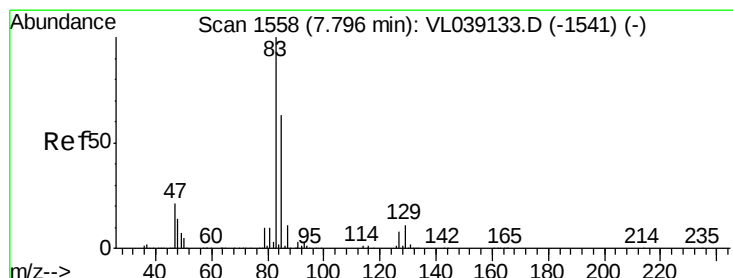
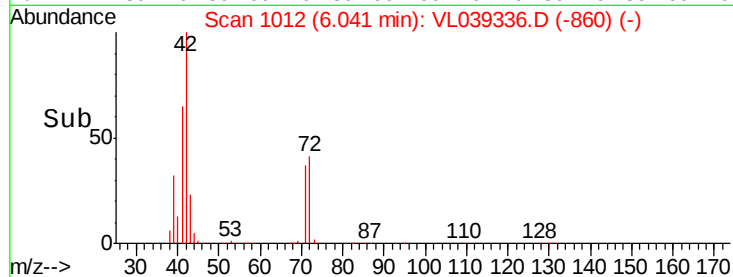
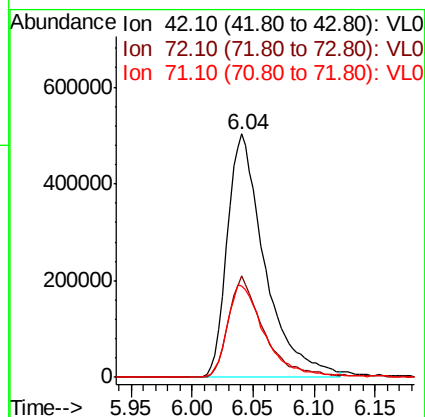
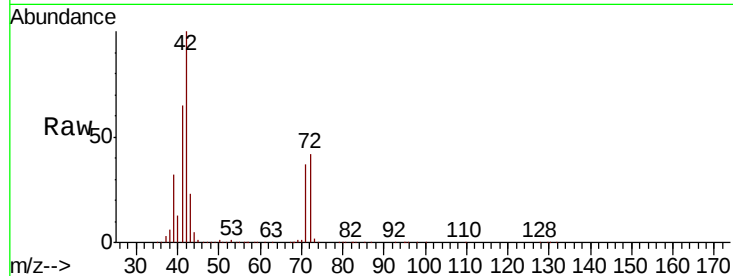




#41
Tetrahydrofuran
Concen: 9.208 ppbv
RT: 6.04
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Jun 2022 10:11

Tot Ion: 42 Resp: 1080872

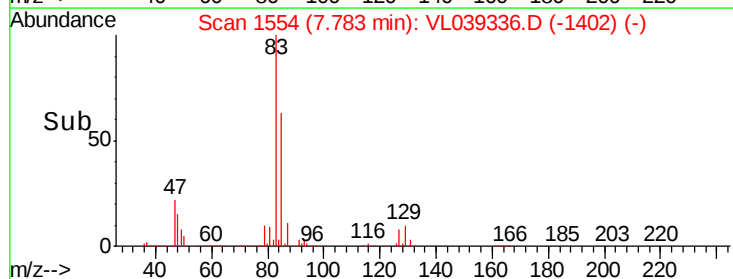
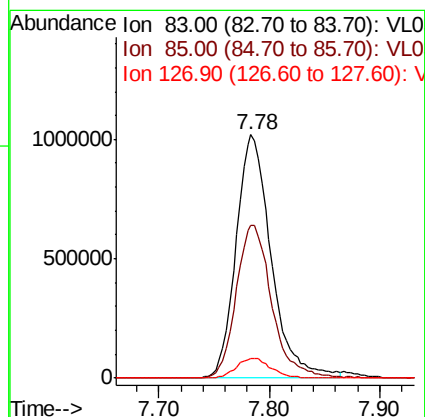
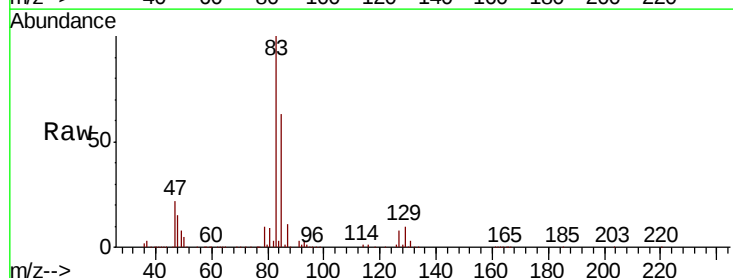
Ion	Ratio	Lower	Upper
42	100		
72	39.9	32.0	48.0
71	38.7	31.1	46.7

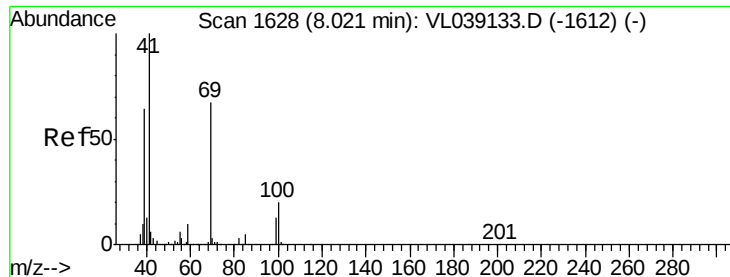


#42
Bromodichloromethane
Concen: 8.452 ppbv
RT: 7.78 min Scan# 1554
Delta R.T. -0.01 min
Lab File: VL039336.D
Acq: 24 Jun 2022 10:11

Tgt Ion: 83 Resp: 2251585

Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.2	75.4
127	8.3	6.6	9.8





#43

Methyl Methacrylate

Concen: 9.609 ppbv

RT: 8.01

Instrument: MSVOA_1

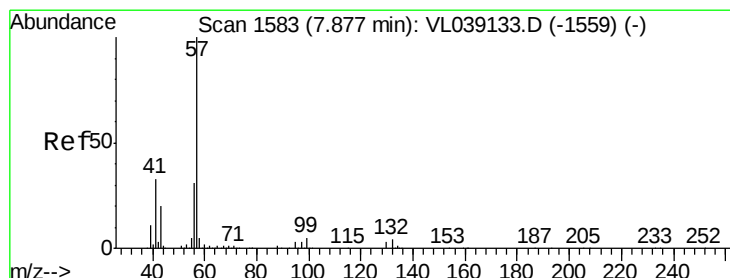
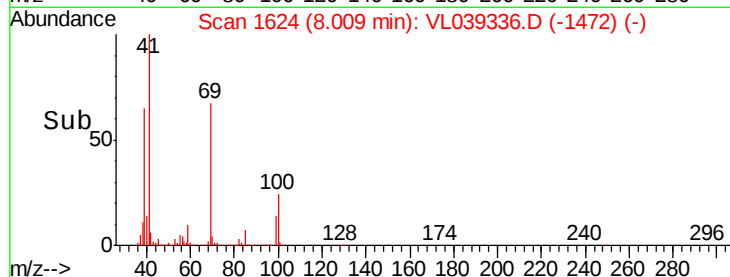
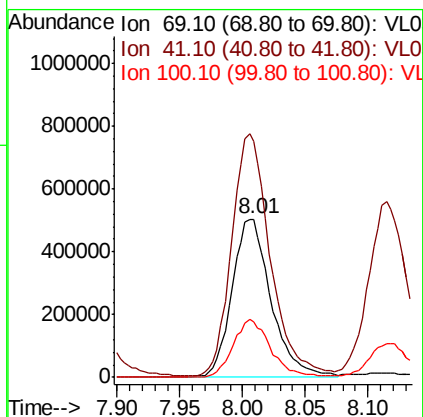
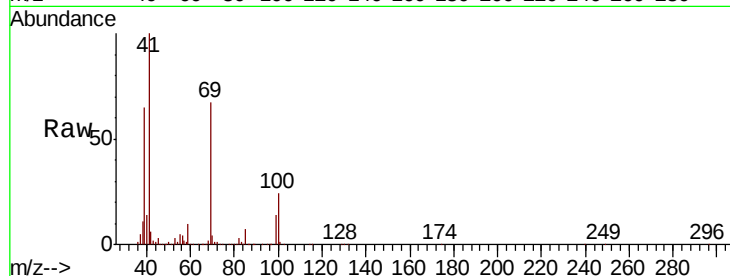
Delta R.T.

Lab File: ClientSampleId: VSTDCCC010

Acq: 24 Jun 2022 10:11

Tot Ion: 69 Resp: 1091698

Ion	Ratio	Lower	Upper
69	100		
41	152.4	121.9	182.9
100	35.1	24.1	36.1



#44

2,2,4-Trimethylpentane

Concen: 8.985 ppbv

RT: 7.86 min Scan# 1579

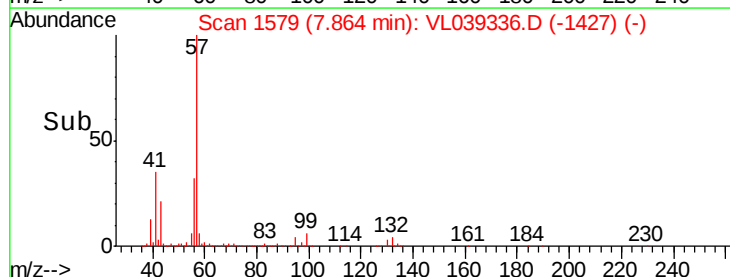
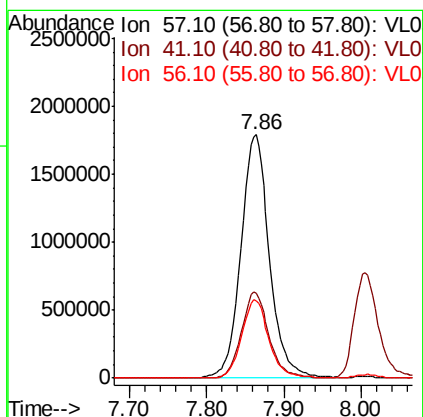
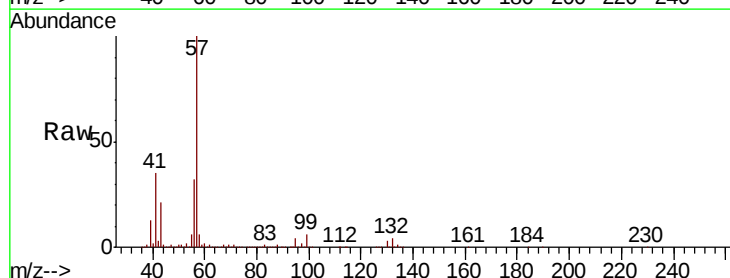
Delta R.T. -0.01 min

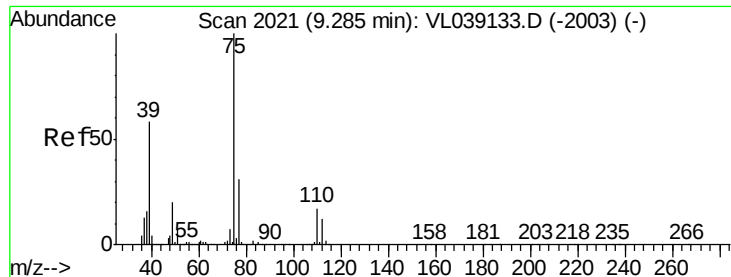
Lab File: VL039336.D

Acq: 24 Jun 2022 10:11

Tgt Ion: 57 Resp: 4584585

Ion	Ratio	Lower	Upper
57	100		
41	34.1	26.2	39.4
56	30.9	24.7	37.1





#45

t-1,3-Dichloropropene

Concen: 9.013 ppbv

RT: 9.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

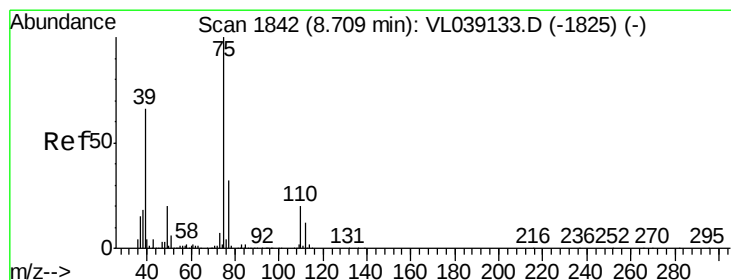
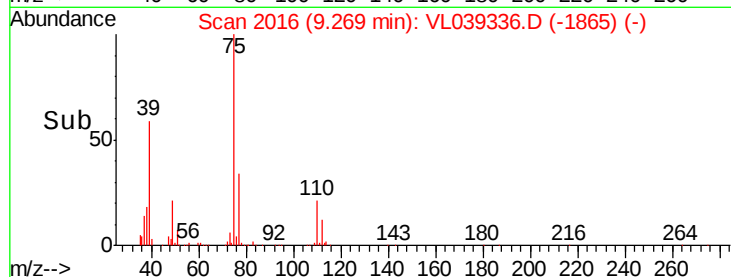
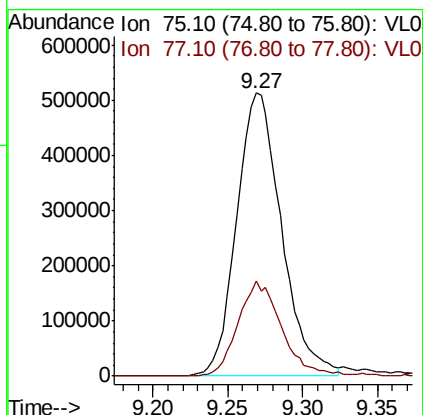
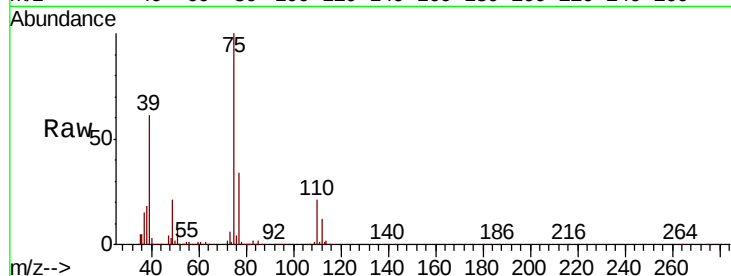
Acq: 24 Jun 2022 10:11 VSTDCCC010

Tot Ion: 75 Resp: 1066452

Ion Ratio Lower Upper

75 100

77 33.6 24.4 36.6



#46

cis-1,3-Dichloropropene

Concen: 8.980 ppbv

RT: 8.69 min Scan# 1837

Delta R.T. -0.02 min

Lab File: VL039336.D

Acq: 24 Jun 2022 10:11

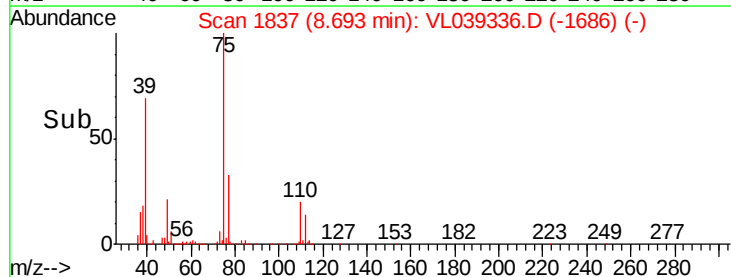
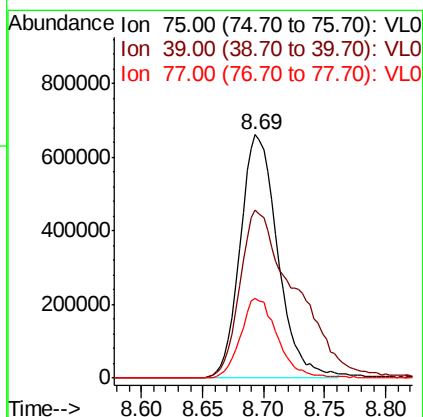
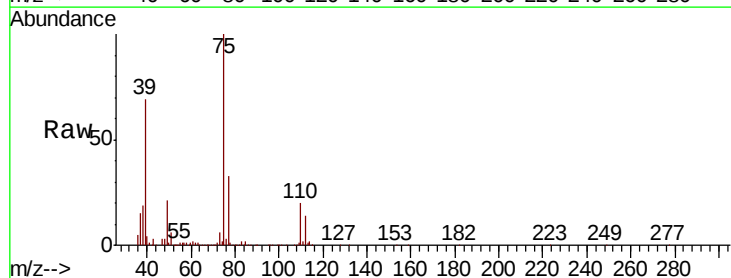
Tgt Ion: 75 Resp: 1403704

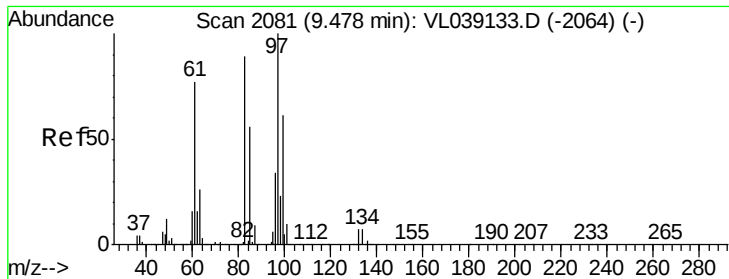
Ion Ratio Lower Upper

75 100

39 68.9 52.4 78.6

77 32.6 25.5 38.3





#47

1,1,2-Trichloroethane

Concen: 9.357 ppbv

RT: 9.47 Instrument:

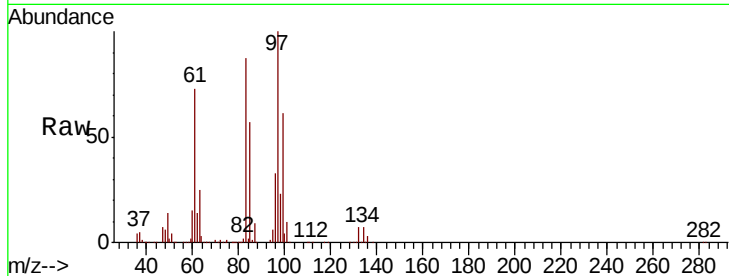
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Jun 2022 10:11 VSTDCCC010

Tot Ion: 97 Resp: 1132497

Ion	Ratio	Lower	Upper
97	100		
83	87.0	71.6	107.4
85	57.0	44.8	67.2
99	60.7	49.0	73.4



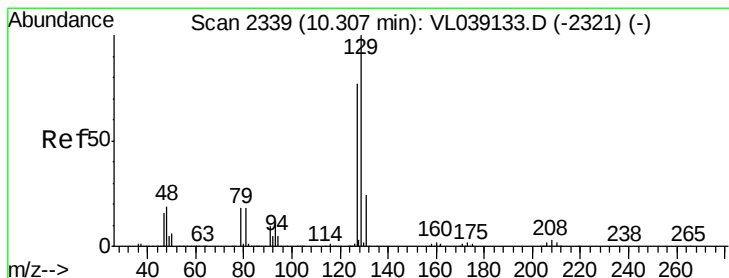
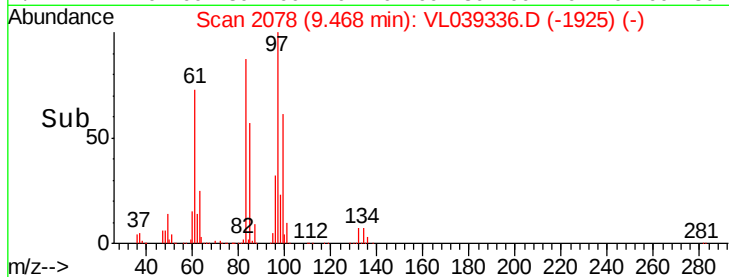
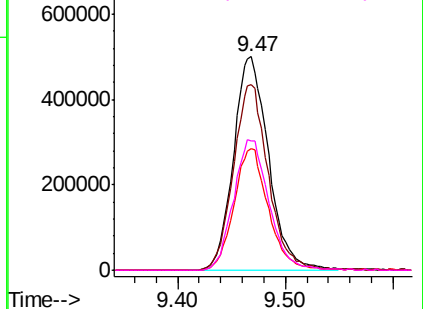
Abundance

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: 9.026 ppbv

RT: 10.30 min Scan# 2336

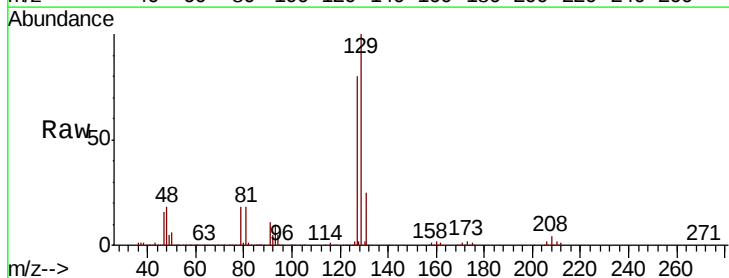
Delta R.T. -0.01 min

Lab File: VL039336.D

Acq: 24 Jun 2022 10:11

Tgt Ion: 129 Resp: 1950631

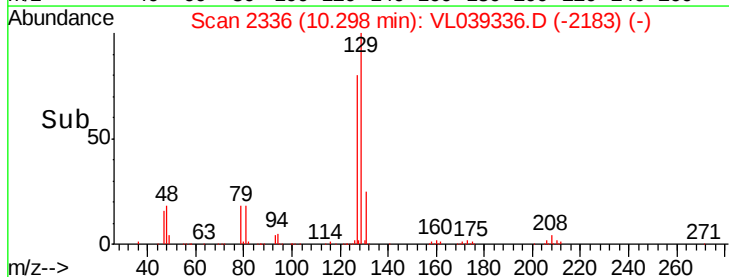
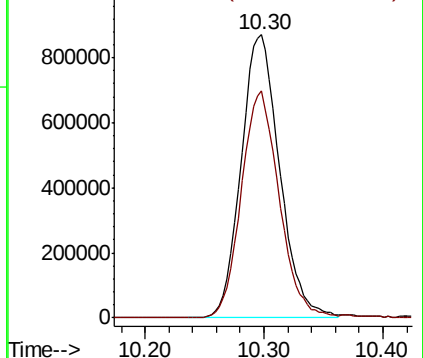
Ion	Ratio	Lower	Upper
129	100		
127	79.9	40.0	119.9

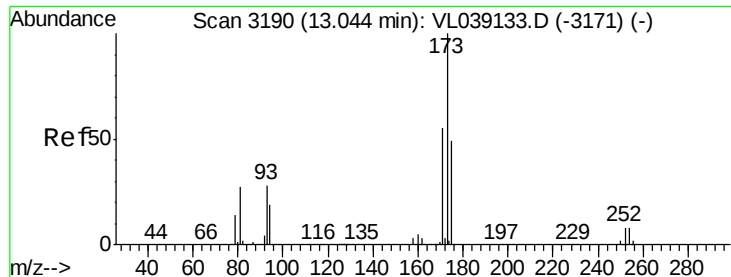


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 8.906 ppbv

RT: 13.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Jun 2022 10:11

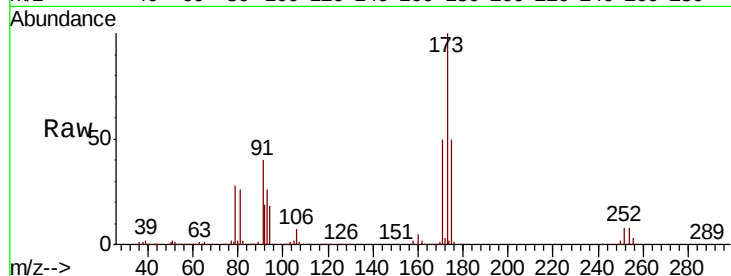
Tot Ion:173 Resp: 1603943

Ion Ratio Lower Upper

173 100

175 50.6 40.2 60.2

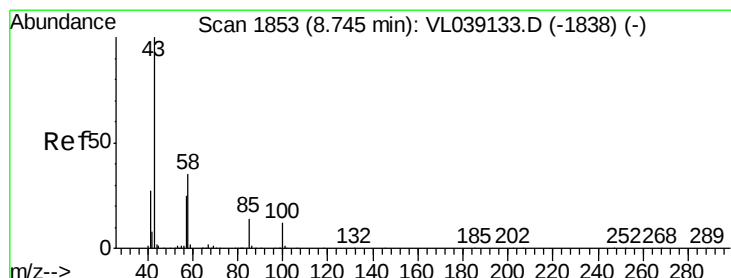
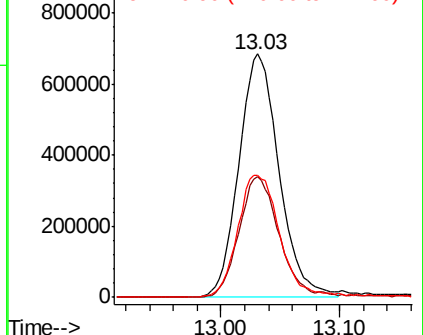
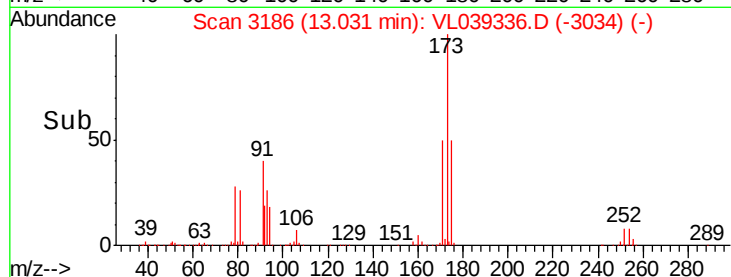
171 53.6 43.9 65.9



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: 9.554 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. -0.02 min

Lab File: VL039336.D

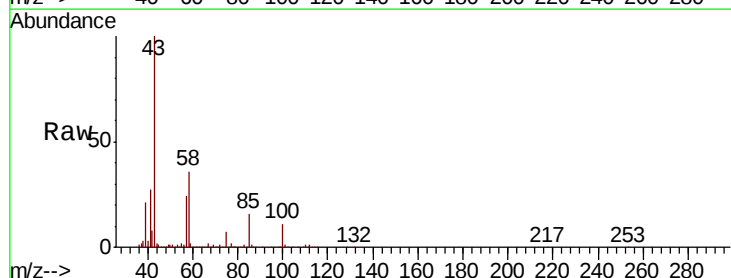
Acq: 24 Jun 2022 10:11

Tgt Ion: 43 Resp: 2791394

Ion Ratio Lower Upper

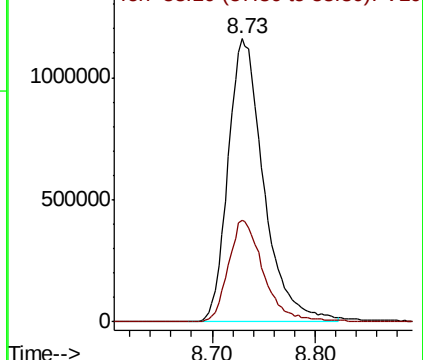
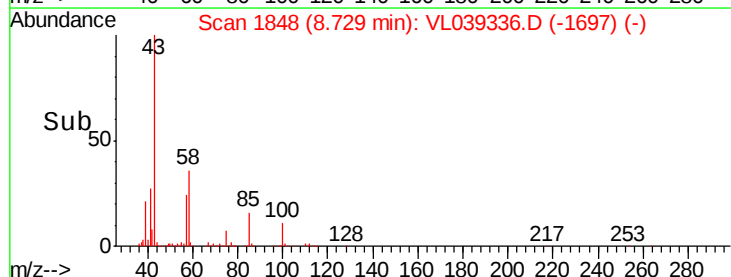
43 100

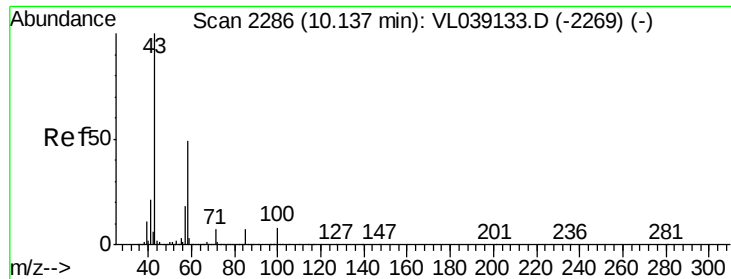
58 35.7 28.7 43.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

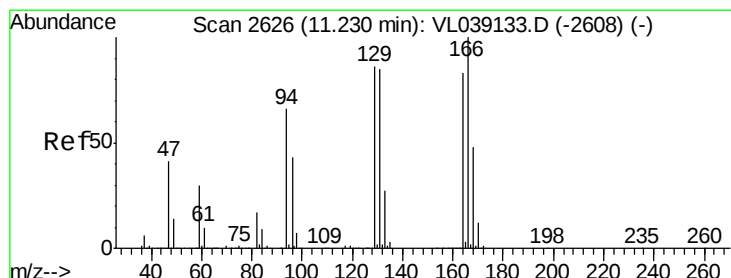
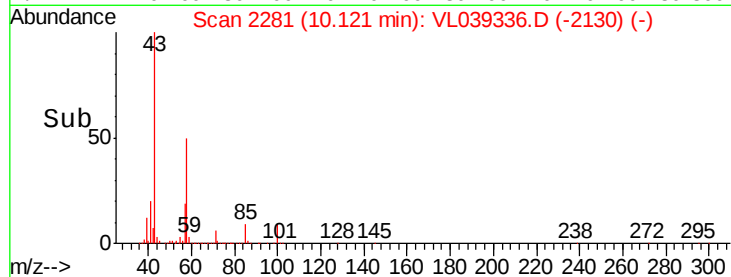
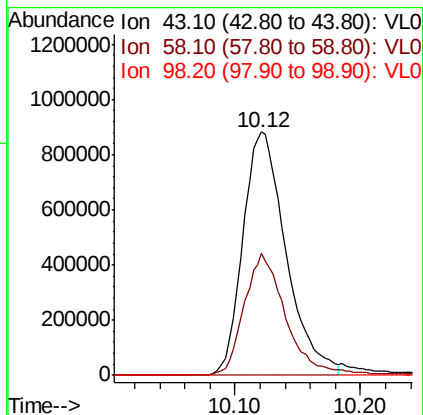
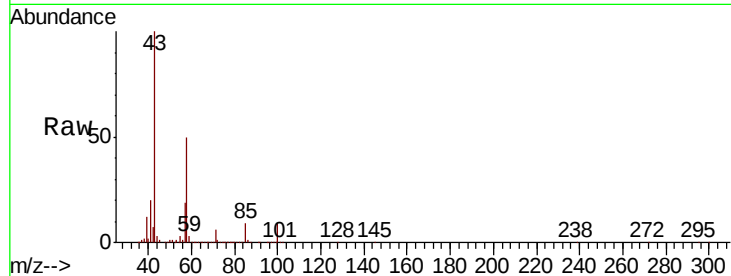




#51
2-Hexanone
Concen: 9.272 ppbv
RT: 10.12 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Jun 2022 10:11

Tot Ion: 43 Resp: 2107866

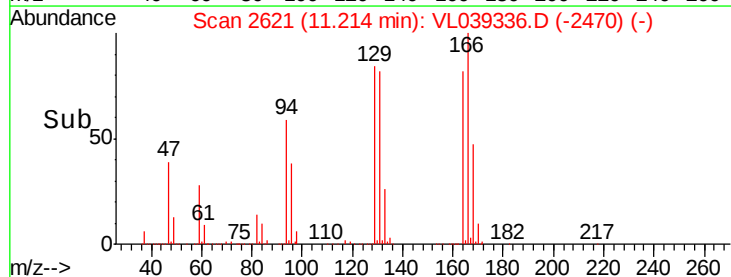
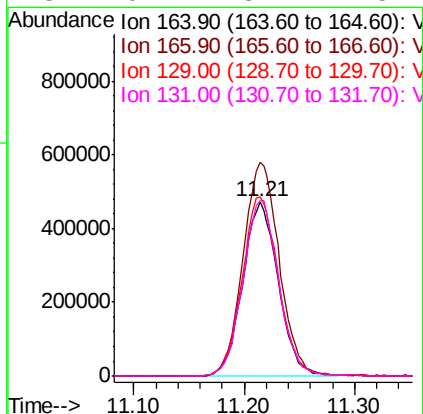
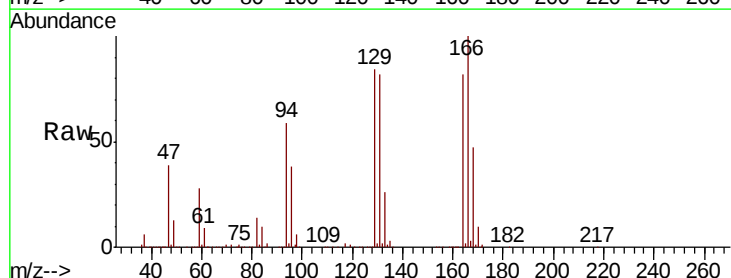
Ion	Ratio	Lower	Upper
43	100		
58	49.1	40.0	60.0
98	0.3	0.1	0.1#

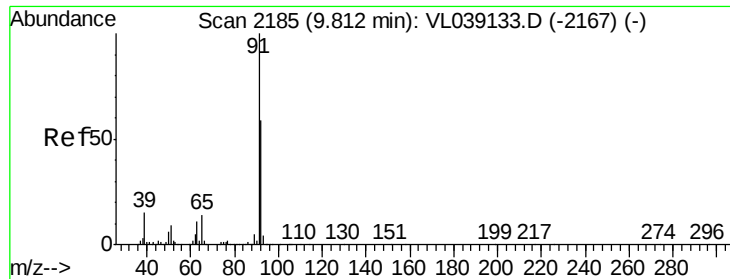


#52
Tetrachloroethene
Concen: 9.181 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. -0.02 min
Lab File: VL039336.D
Acq: 24 Jun 2022 10:11

Tgt Ion: 164 Resp: 1045478

Ion	Ratio	Lower	Upper
164	100		
166	122.7	96.3	144.5
129	103.0	82.5	123.7
131	101.1	82.1	123.1





#53

Toluene

Concen: 9.683 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

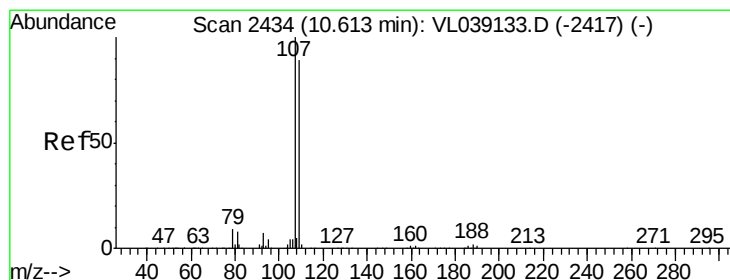
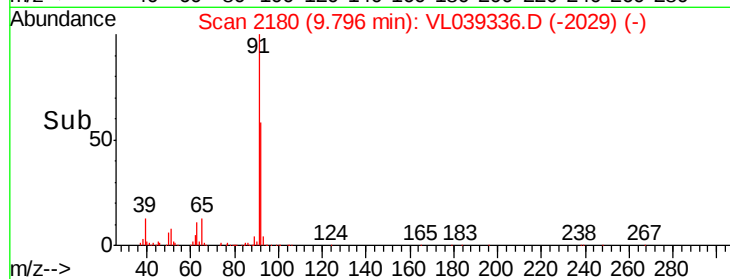
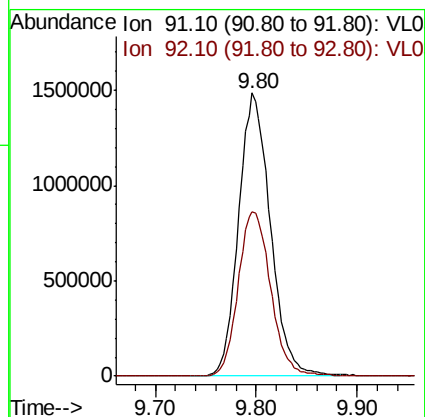
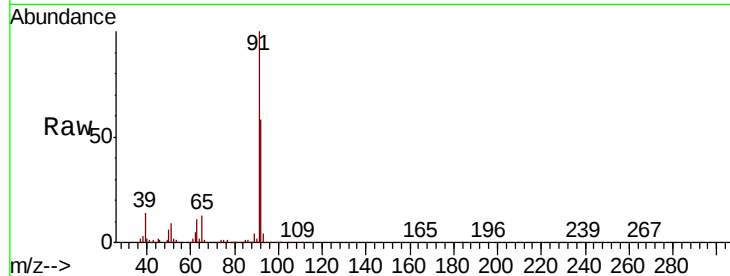
Acq: 24 Jun 2022 10:11 VSTDCCC010

Tot Ion: 91 Resp: 3252084

Ion Ratio Lower Upper

91 100

92 59.6 48.1 72.1



#54

1,2-Dibromoethane

Concen: 9.182 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. -0.01 min

Lab File: VL039336.D

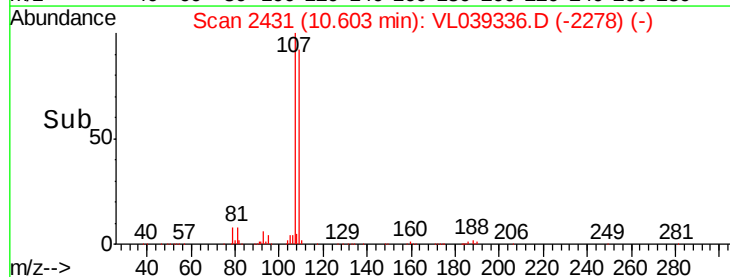
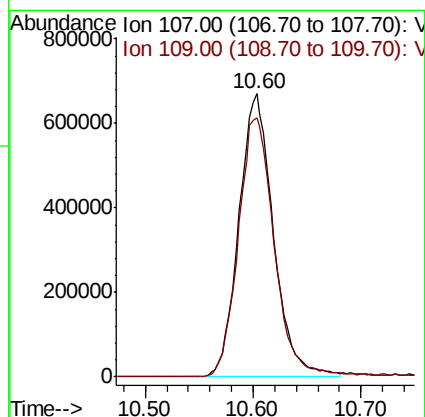
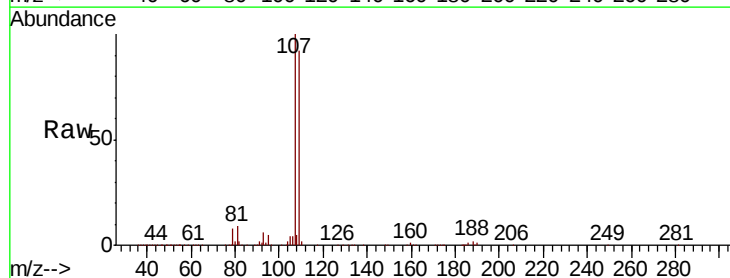
Acq: 24 Jun 2022 10:11

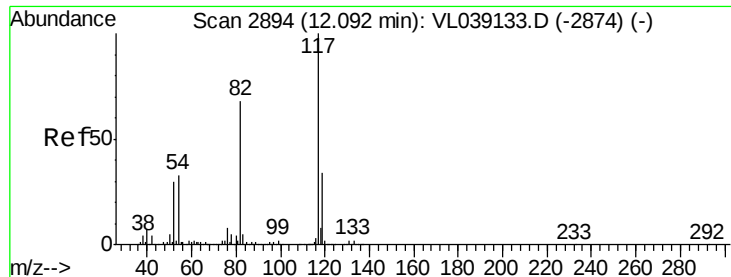
Tgt Ion: 107 Resp: 1493365

Ion Ratio Lower Upper

107 100

109 91.6 71.4 107.0

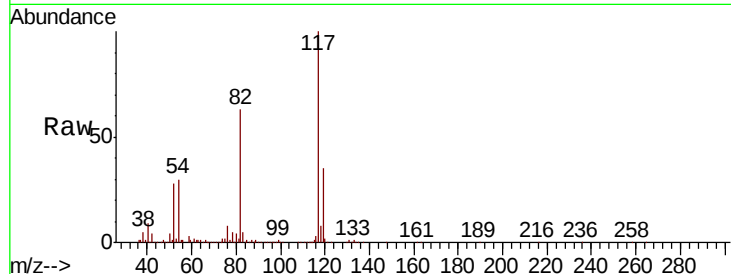




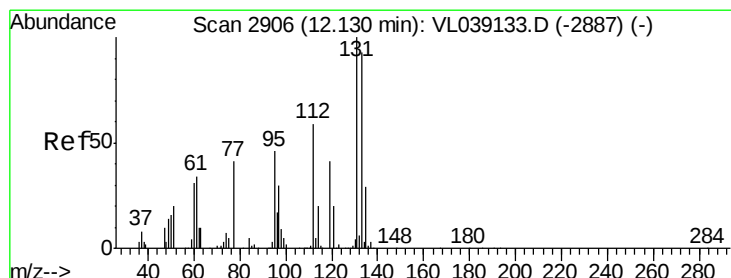
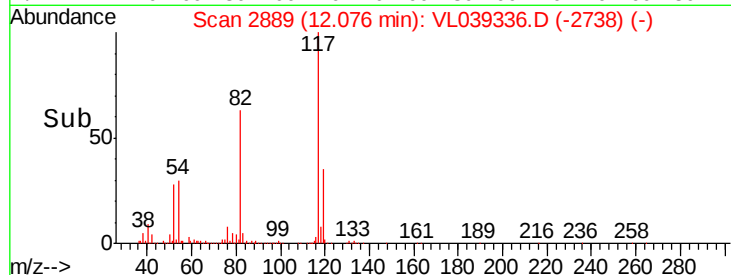
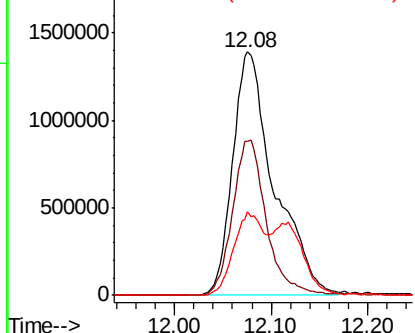
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 24 Jun 2022 10:11

Tot Ion:117 Resp: 4160962

Ion	Ratio	Lower	Upper
117	100		
82	52.3	55.1	82.7#
119	47.7	24.7	37.1#



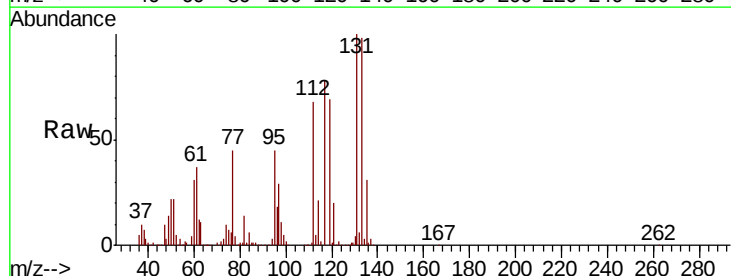
Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



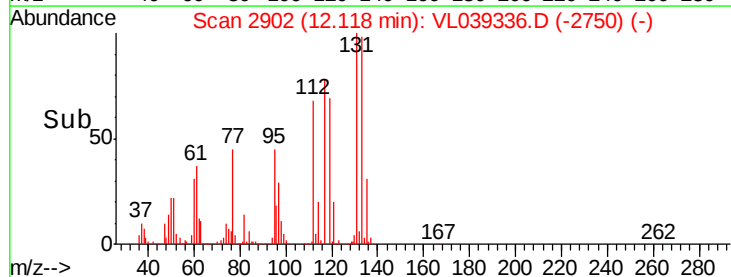
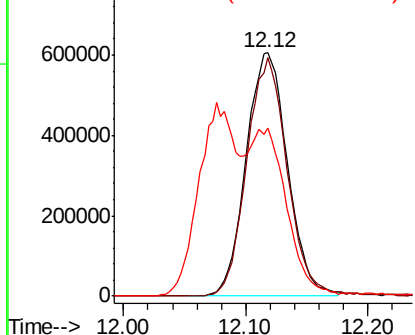
#56
1,1,1,2-Tetrachloroethane
Concen: 7.210 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.01 min
Lab File: VL039336.D
Acq: 24 Jun 2022 10:11

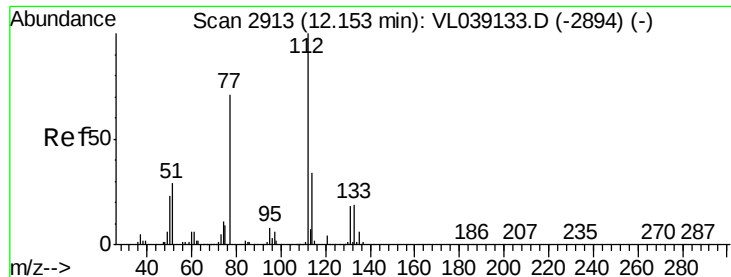
Tgt Ion:131 Resp: 1419535

Ion	Ratio	Lower	Upper
131	100		
133	96.6	78.6	117.8
119	64.1	51.7	77.5



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

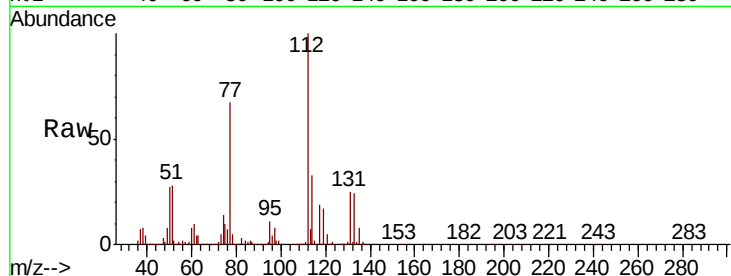




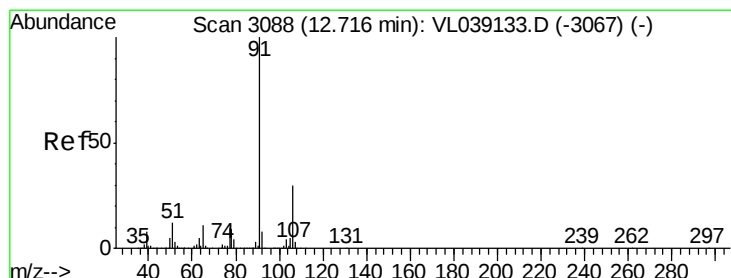
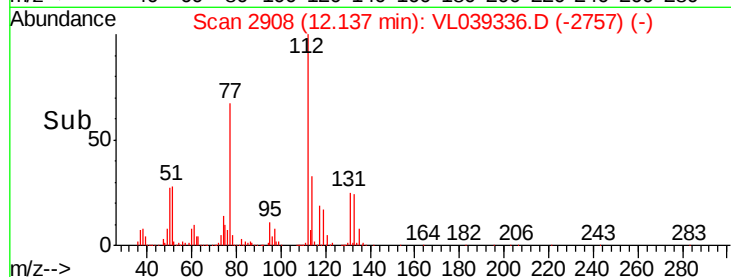
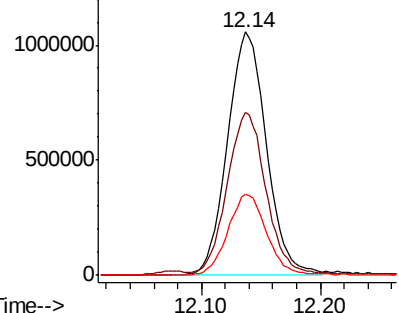
#57
Chlorobenzene
Concen: 7.662 ppbv
RT: 12.14 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VSTDCCC010
Acq: 24 Jun 2022 10:11

Tot Ion: 112 Resp: 2398786

Ion	Ratio	Lower	Upper
112	100		
77	65.4	56.5	84.7
114	33.0	30.3	37.1



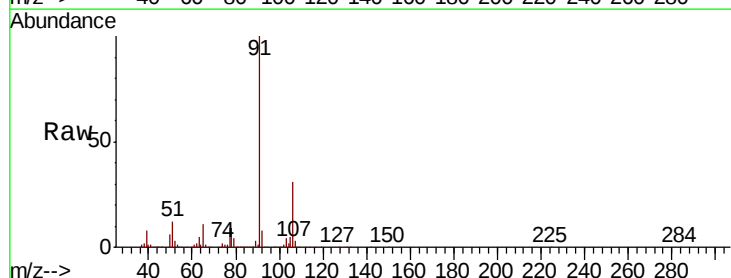
Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V



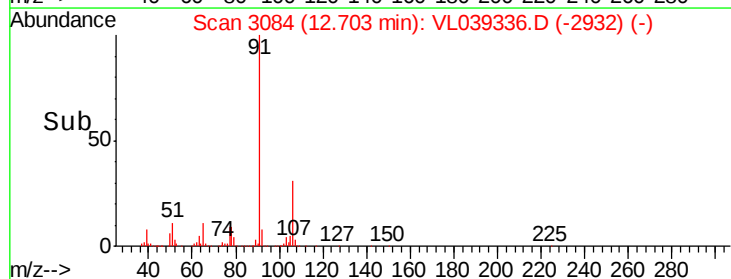
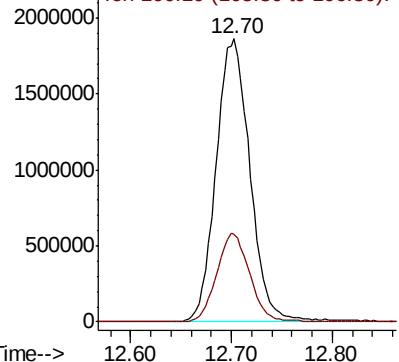
#58
Ethyl Benzene
Concen: 7.563 ppbv
RT: 12.70 min Scan# 3084
Delta R.T.: -0.01 min
Lab File: VL039336.D
Acq: 24 Jun 2022 10:11

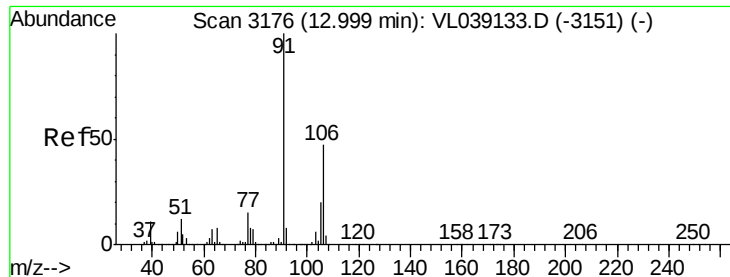
Tgt Ion: 91 Resp: 4334961

Ion	Ratio	Lower	Upper
91	100		
106	30.9	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: 8.192 ppbv

RT: 12.99 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

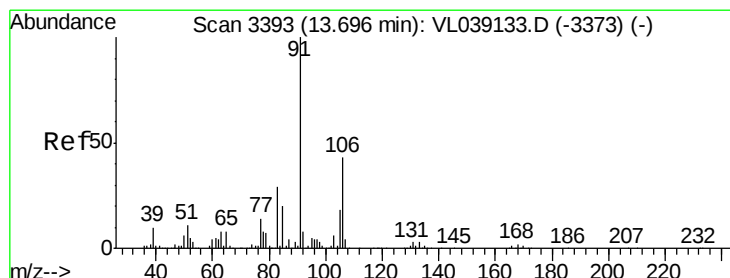
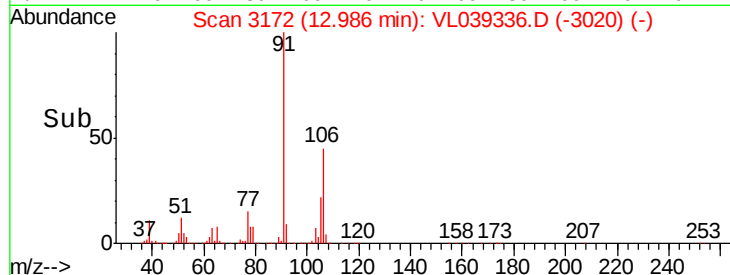
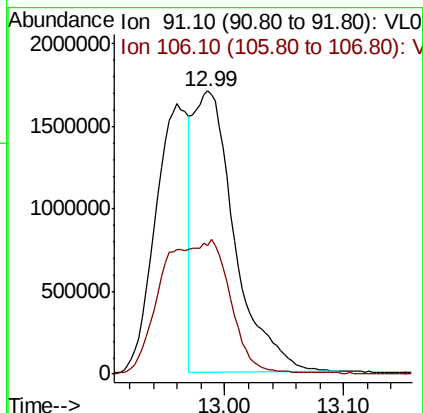
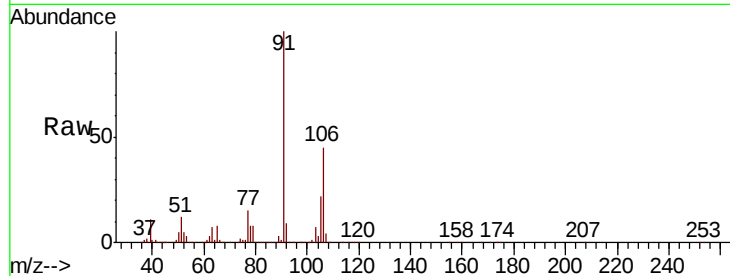
Acq: 24 Jun 2022 10:11

Tot Ion: 91 Resp: 4134509

Ion Ratio Lower Upper

91 100

106 79.4 34.3 51.5#



#60

o-Xylene

Concen: 7.418 ppbv

RT: 13.68 min Scan# 3389

Delta R.T. -0.01 min

Lab File: VL039336.D

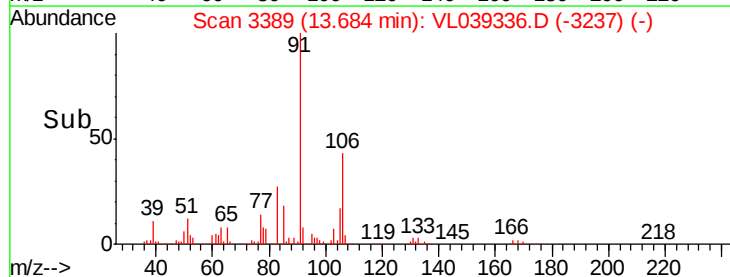
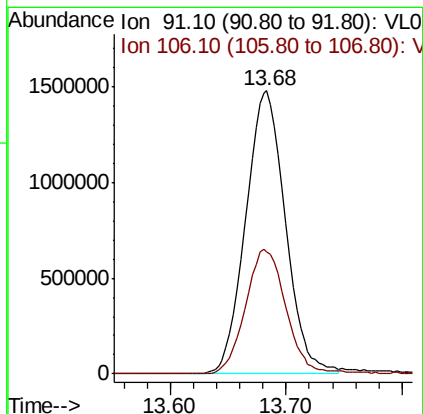
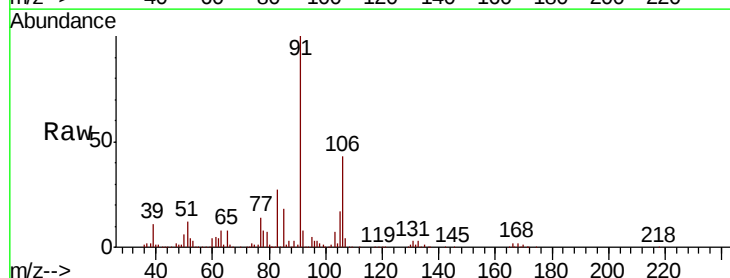
Acq: 24 Jun 2022 10:11

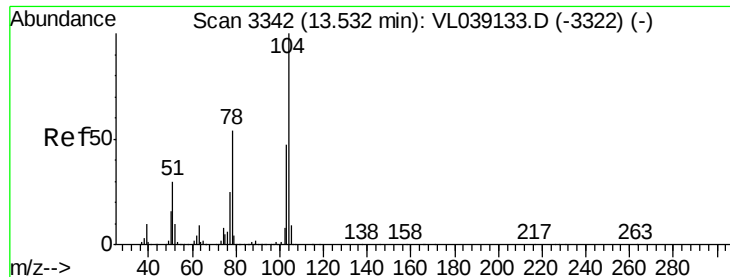
Tgt Ion: 91 Resp: 3518003

Ion Ratio Lower Upper

91 100

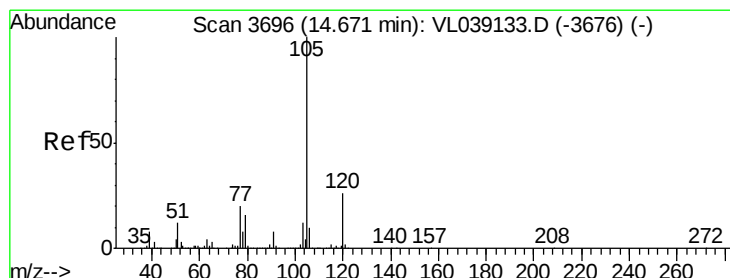
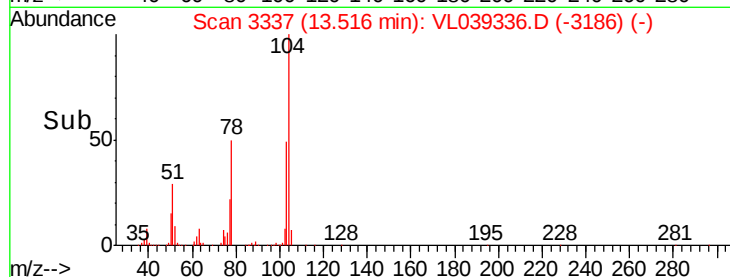
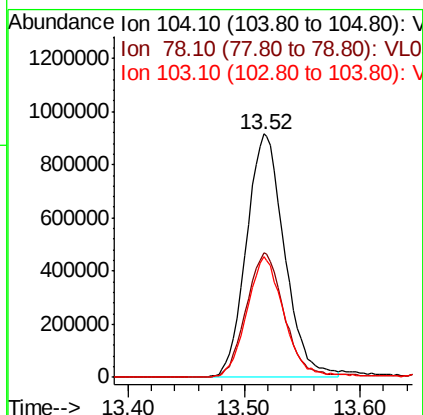
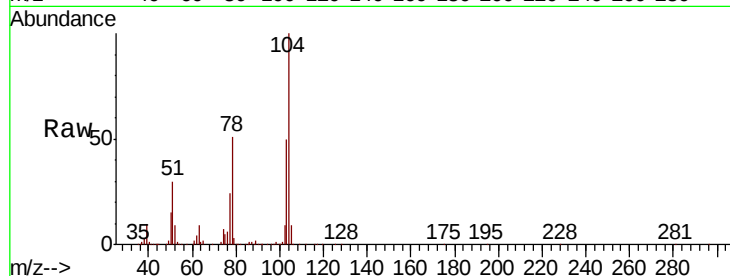
106 45.6 22.3 66.9





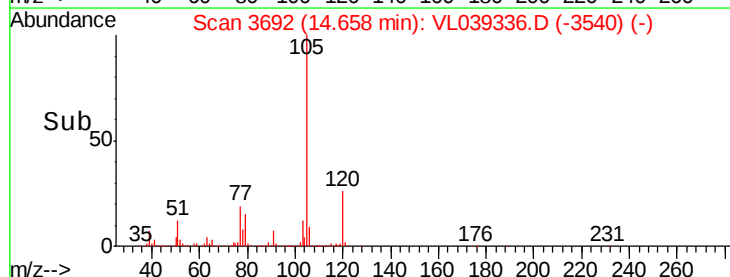
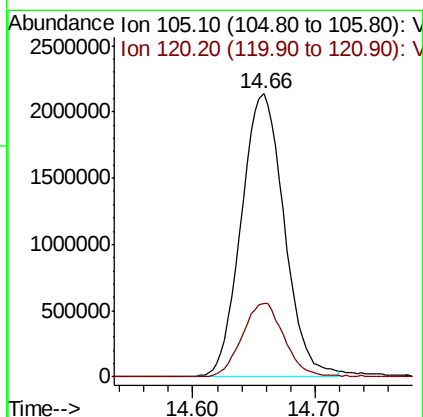
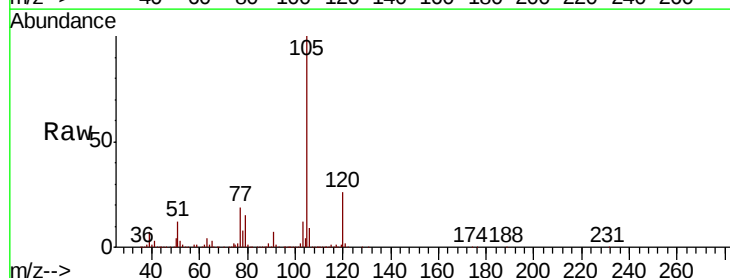
#61
Stvrene
Concen: 8.245 ppbv
RT: 13.52
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Jun 2022 10:11

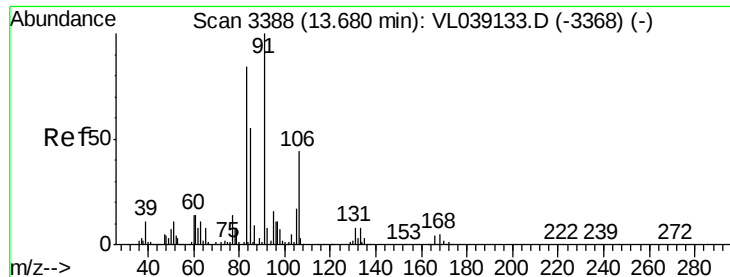
Tot Ion:104 Resp: 2093949
Ion Ratio Lower Upper
104 100
78 52.0 45.7 68.5
103 49.2 39.6 59.4



#62
Isopropylbenzene
Concen: 7.381 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. -0.01 min
Lab File: VL039336.D
Acq: 24 Jun 2022 10:11

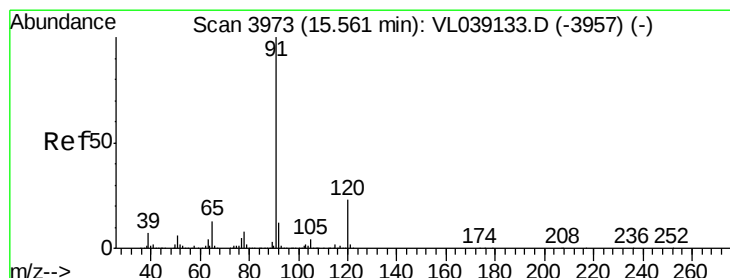
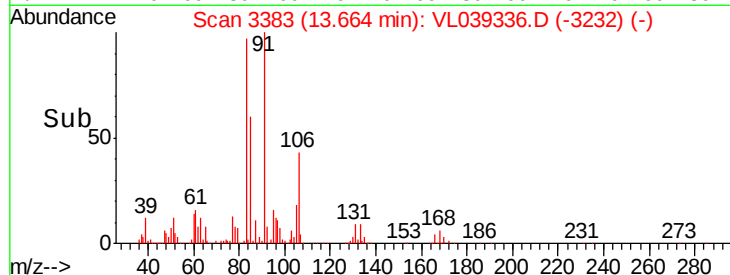
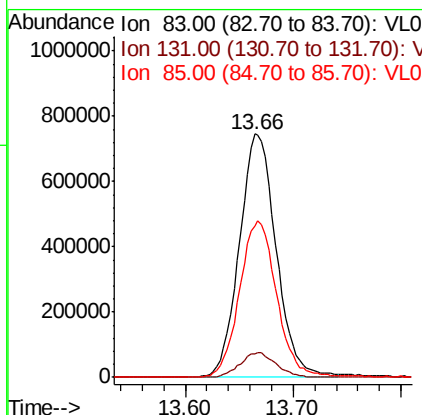
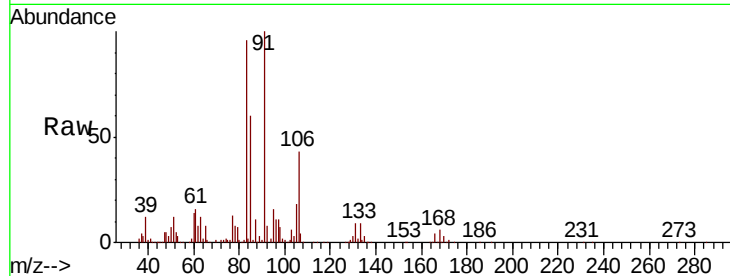
Tgt Ion:105 Resp: 5202832
Ion Ratio Lower Upper
105 100
120 26.0 20.3 30.5





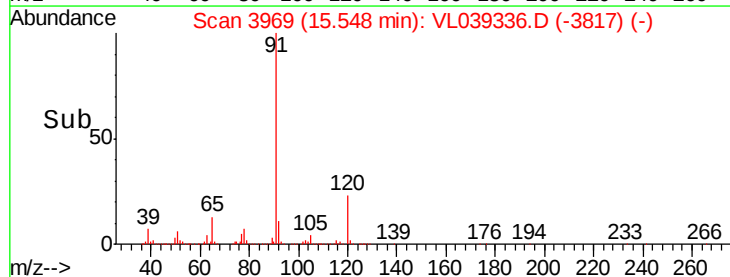
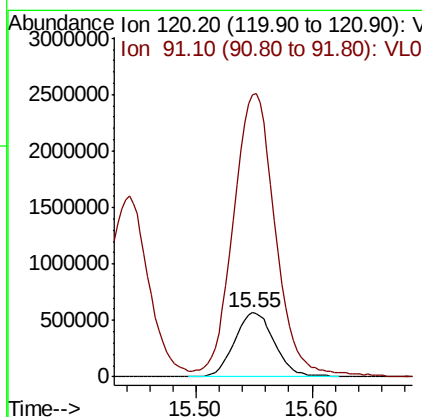
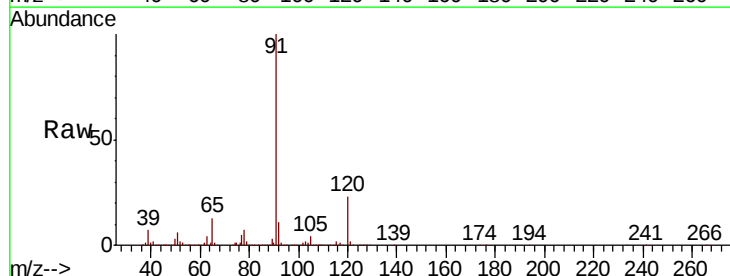
#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.642 ppbv
 RT: 13.66
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 Jun 2022 10:11 VSTDCCC010

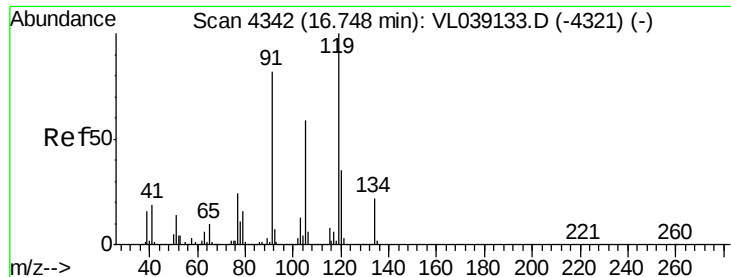
Tot Ion: 83 Resp: 1768248
 Ion Ratio Lower Upper
 83 100
 131 10.1 4.8 14.3
 85 65.6 33.0 99.0



#64
 n-propylbenzene
 Concen: 7.837 ppbv
 RT: 15.55 min Scan# 3969
 Delta R.T. -0.01 min
 Lab File: VL039336.D
 Acq: 24 Jun 2022 10:11

Tgt Ion:120 Resp: 1358028
 Ion Ratio Lower Upper
 120 100
 91 467.4 388.4 582.6

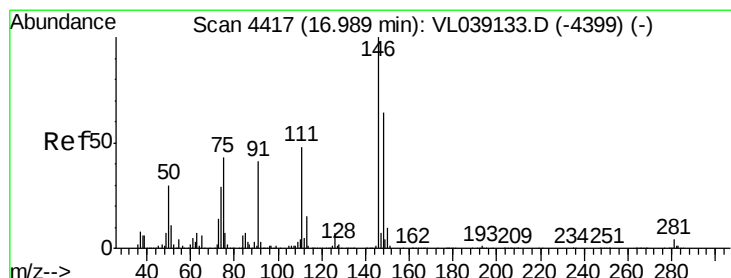
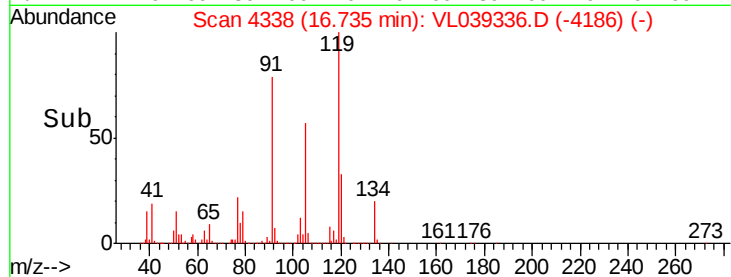
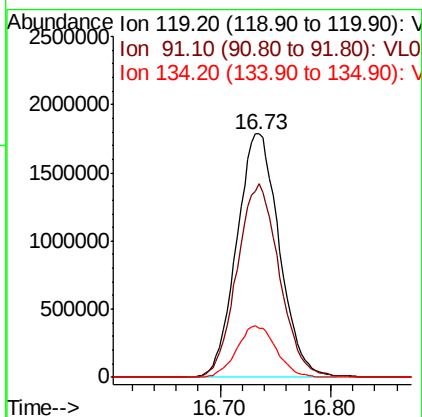
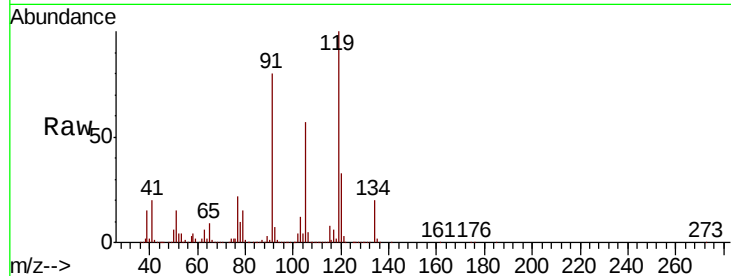




#65
 tert-Butylbenzene
 Concen: 7.392 ppbv
 RT: 16.73 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 24 Jun 2022 10:11

Tot Ion: 119 Resp: 4764800

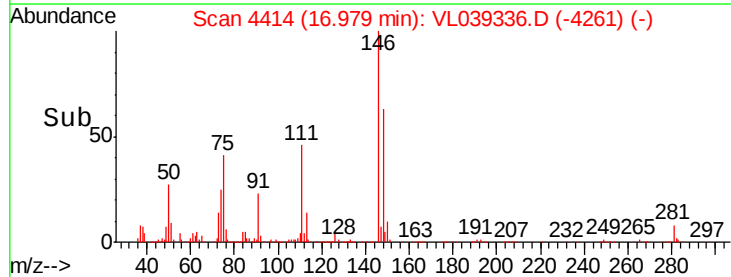
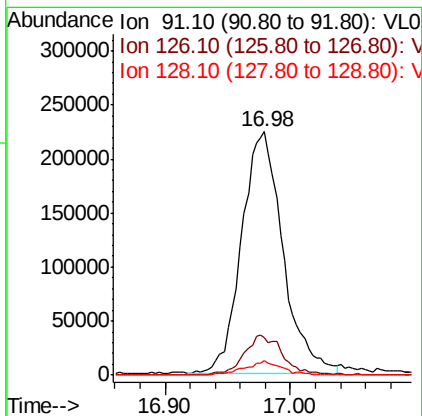
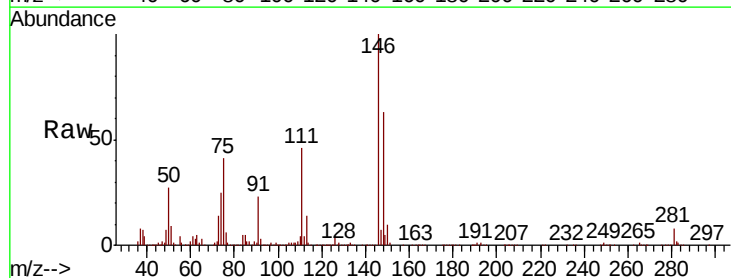
Ion	Ratio	Lower	Upper
119	100		
91	79.4	67.1	100.7
134	19.8	15.8	23.8

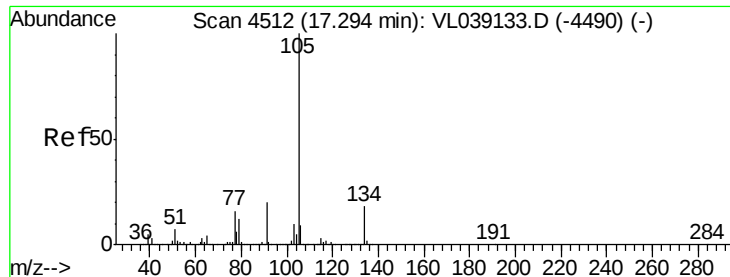


#66
 Benzyl Chloride
 Concen: 6.151 ppbv
 RT: 16.98 min Scan# 4414
 Delta R.T. -0.01 min
 Lab File: VL039336.D
 Acq: 24 Jun 2022 10:11

Tgt Ion: 91 Resp: 515571

Ion	Ratio	Lower	Upper
91	100		
126	15.5	13.4	20.0
128	5.3	4.1	6.1





#67

sec-Butylbenzene

Concen: 7.385 ppbv

RT: 17.28

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

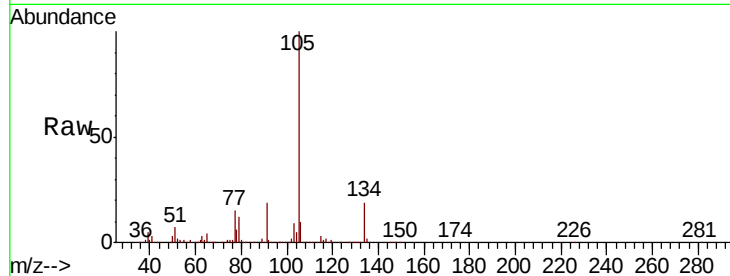
Acq: 24 Jun 2022 10:11

Tot Ion: 105 Resp: 6494780

Ion Ratio Lower Upper

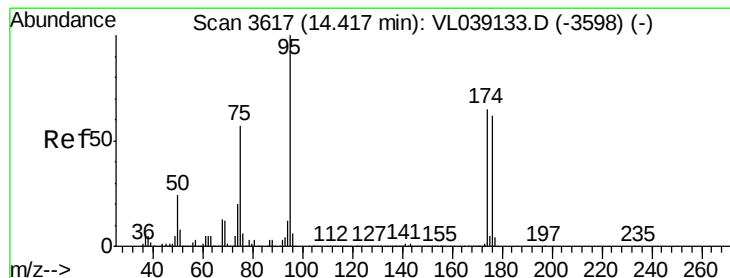
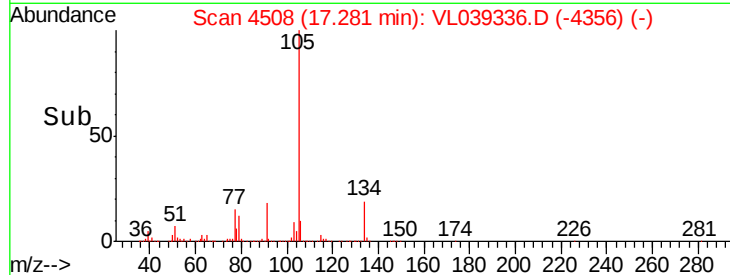
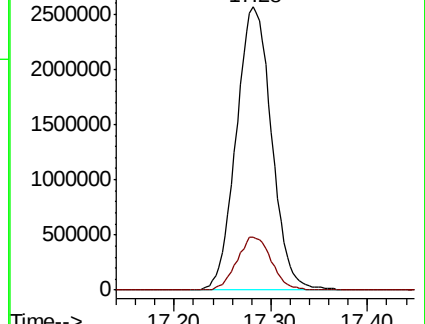
105 100

134 18.5 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: 7.433 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. -0.01 min

Lab File: VL039336.D

Acq: 24 Jun 2022 10:11

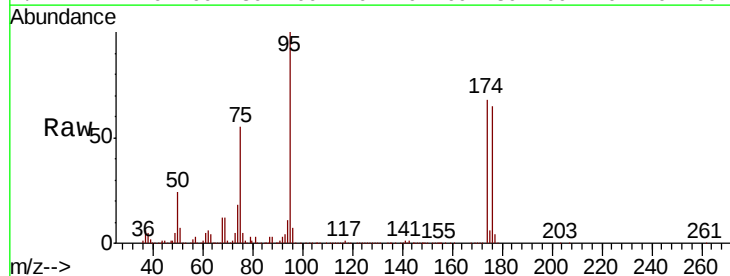
Tgt Ion: 95 Resp: 2556999

Ion Ratio Lower Upper

95 100

174 70.1 53.8 80.8

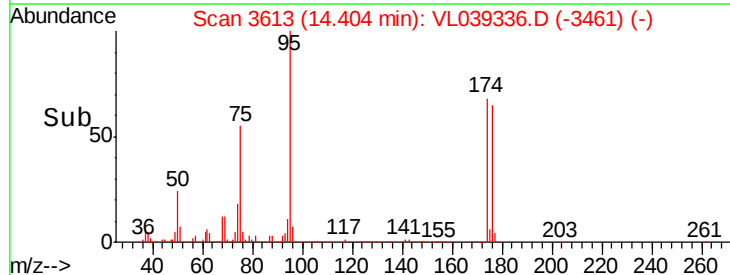
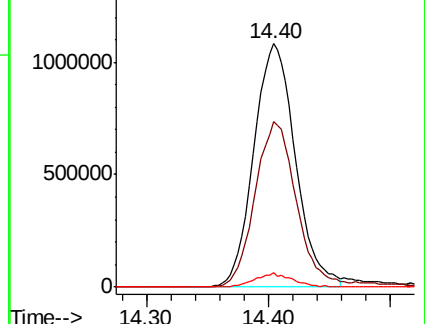
175 5.4 4.1 6.1

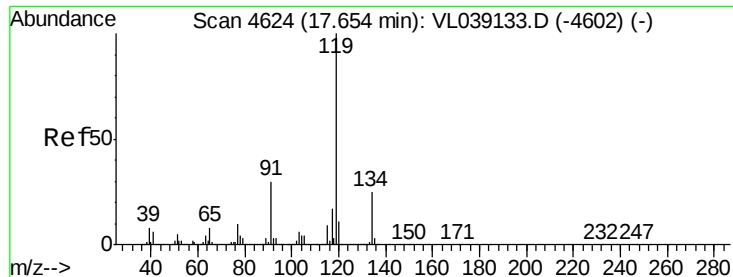


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

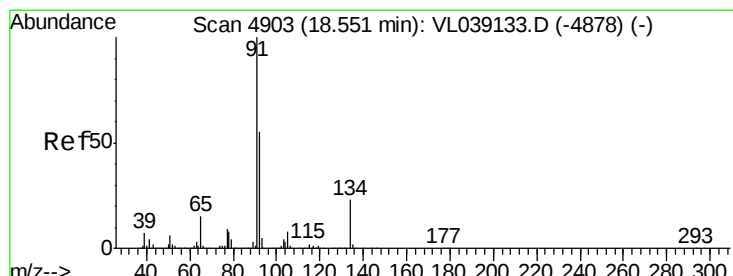
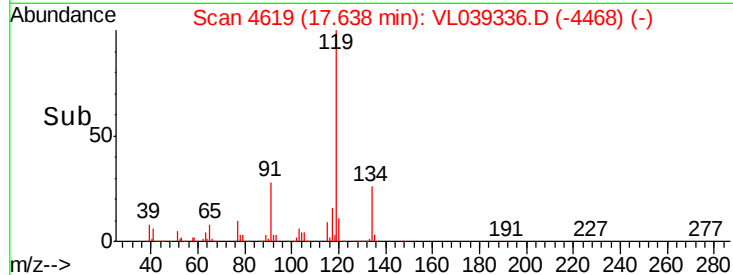
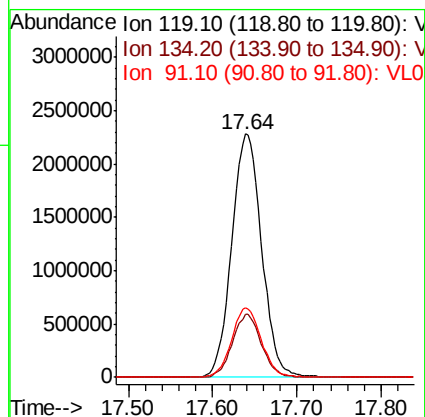
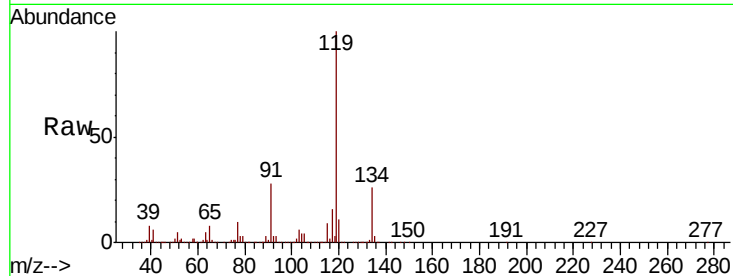
Ion 175.00 (174.70 to 175.70): V





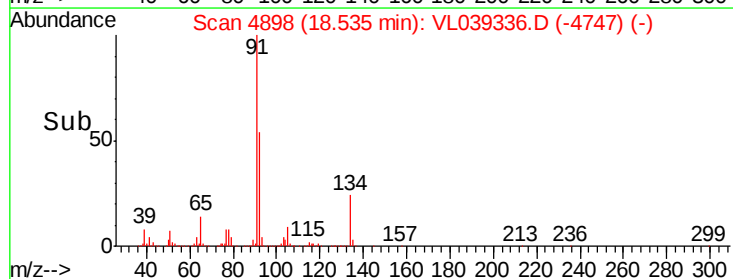
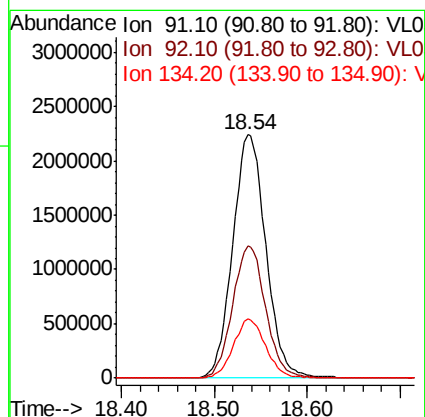
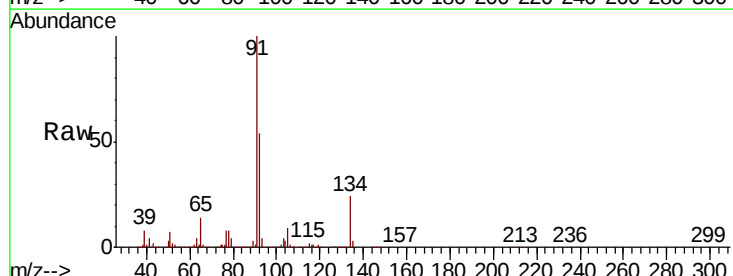
#69
 p-Isopropyltoluene
 Concen: 7.586 ppbv
 RT: 17.64 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 24 Jun 2022 10:11

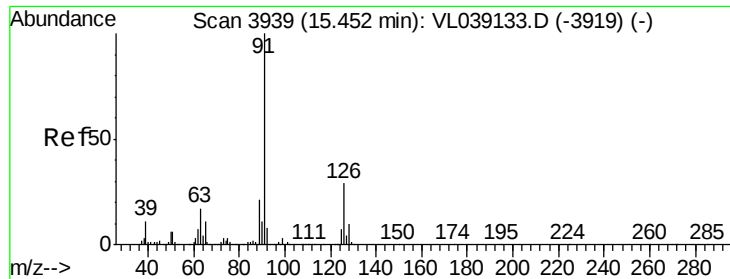
Tot Ion: 119 Resp: 5628739
 Ion Ratio Lower Upper
 119 100
 134 25.3 20.4 30.6
 91 28.3 24.2 36.4



#70
 n-Butylbenzene
 Concen: 7.290 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. -0.02 min
 Lab File: VL039336.D
 Acq: 24 Jun 2022 10:11

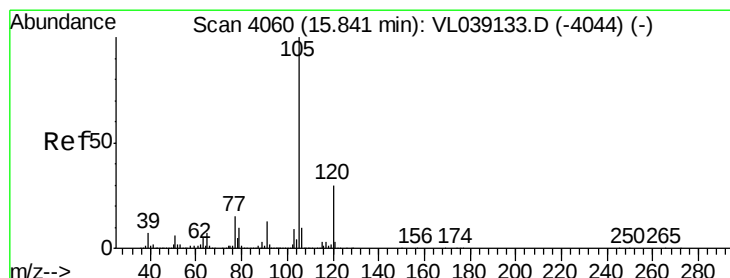
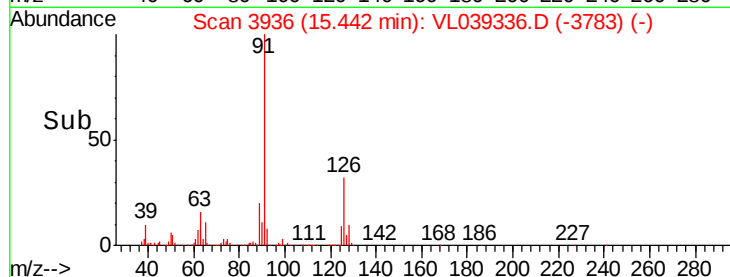
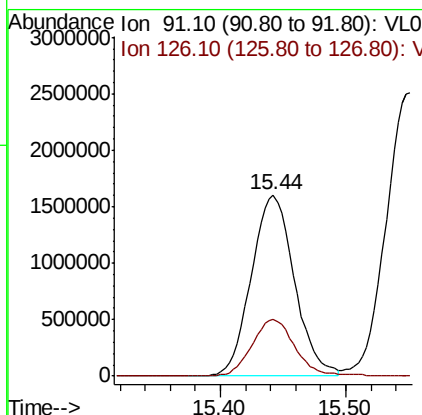
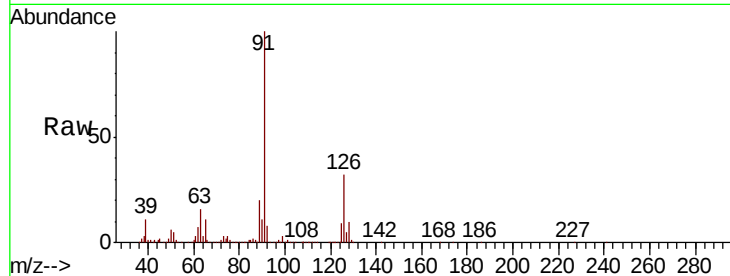
Tgt Ion: 91 Resp: 5552538
 Ion Ratio Lower Upper
 91 100
 92 54.2 43.6 65.4
 134 23.7 17.7 26.5





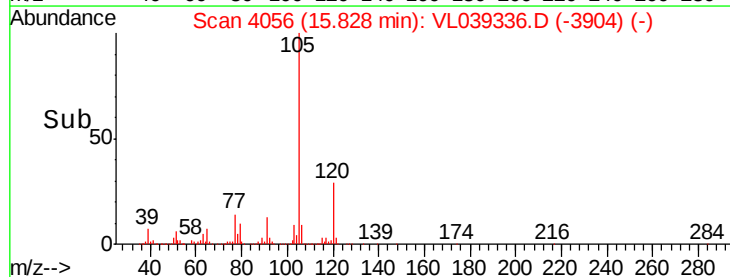
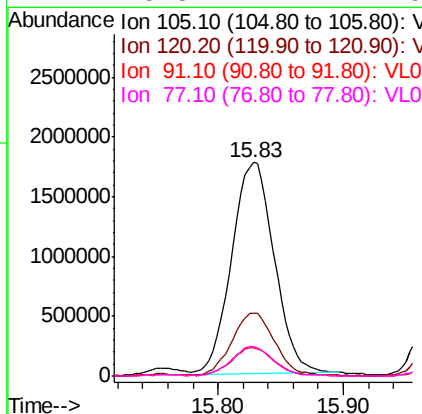
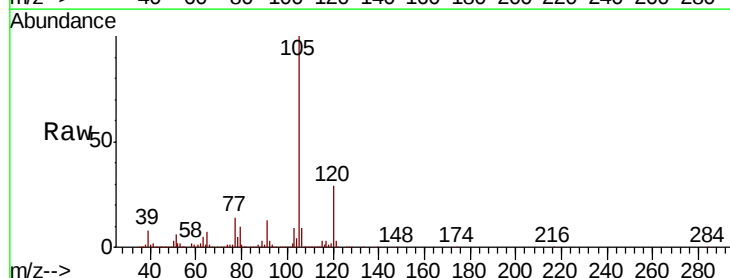
#71
 2-Chlorotoluene
 Concen: 7.128 ppbv
 RT: 15.44
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 24 Jun 2022 10:11

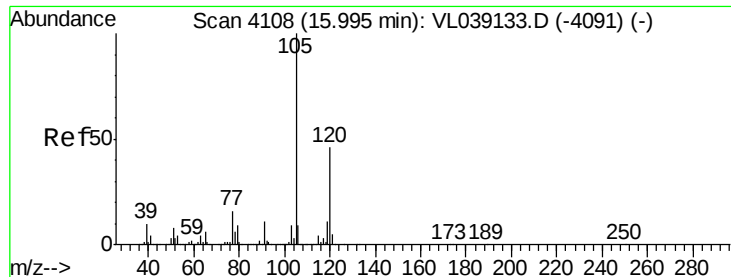
Tot Ion: 91 Resp: 3831730
 Ion Ratio Lower Upper
 91 100
 126 32.0 12.2 48.6



#72
 4-Ethyltoluene
 Concen: 7.548 ppbv
 RT: 15.83 min Scan# 4056
 Delta R.T. -0.01 min
 Lab File: VL039336.D
 Acq: 24 Jun 2022 10:11

Tgt Ion:105 Resp: 4195736
 Ion Ratio Lower Upper
 105 100
 120 30.2 23.9 35.9
 91 13.1 10.6 16.0
 77 13.8 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 7.712 ppbv

RT: 15.99 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

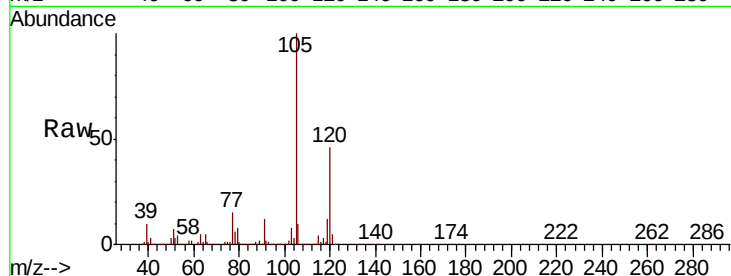
Acq: 24 Jun 2022 10:11

Tot Ion:105 Resp: 3866206

Ion Ratio Lower Upper

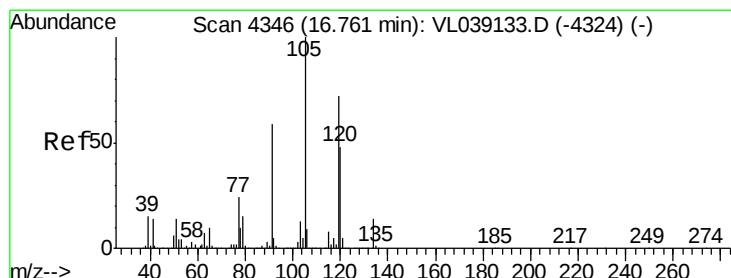
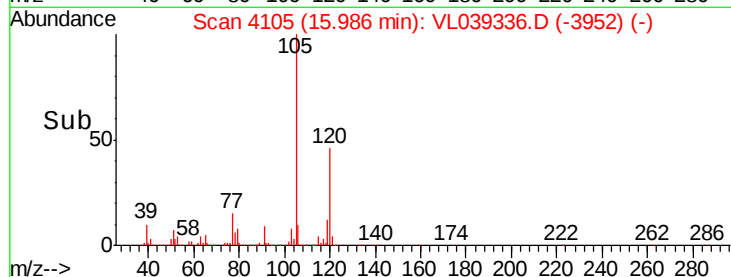
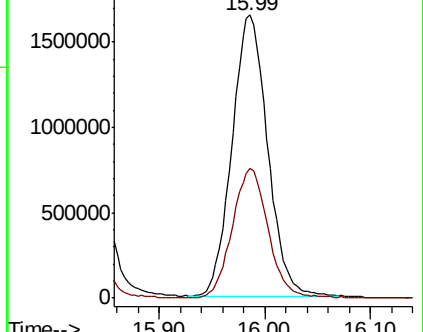
105 100

120 46.0 36.7 55.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.437 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.01 min

Lab File: VL039336.D

Acq: 24 Jun 2022 10:11

Tgt Ion:105 Resp: 4160732

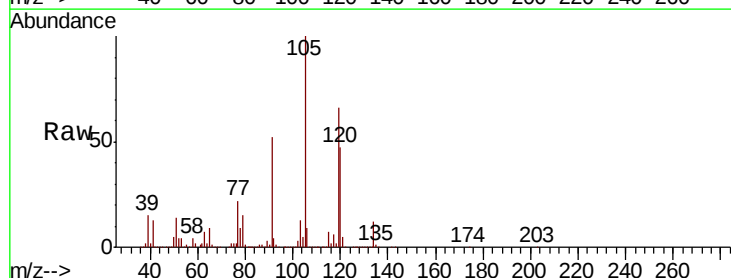
Ion Ratio Lower Upper

105 100

120 47.1 38.1 57.1

91 52.0 47.4 71.0

77 22.0 19.5 29.3

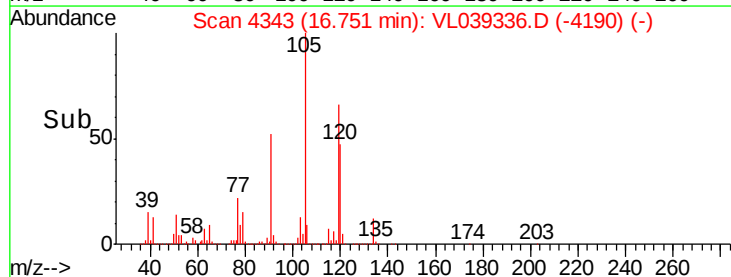
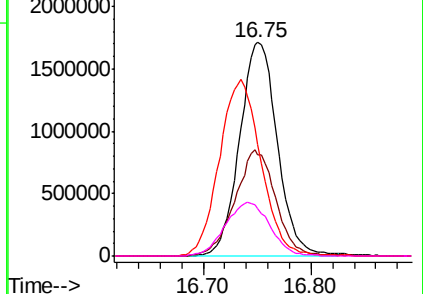


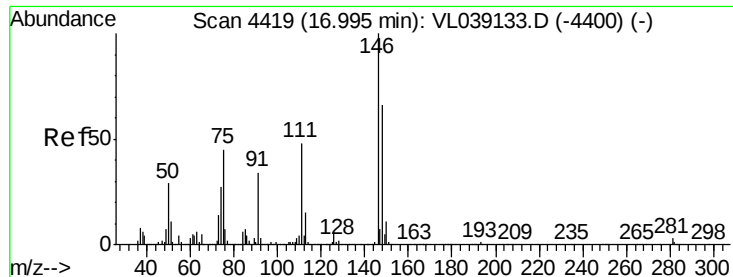
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 7.770 ppbv

RT: 16.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Jun 2022 10:11

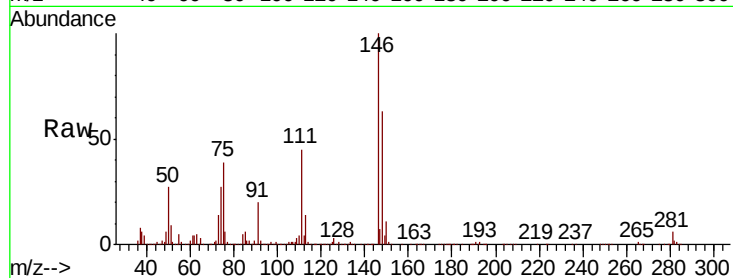
Tot Ion:146 Resp: 2460628

Ion Ratio Lower Upper

146 100

111 45.4 23.8 71.4

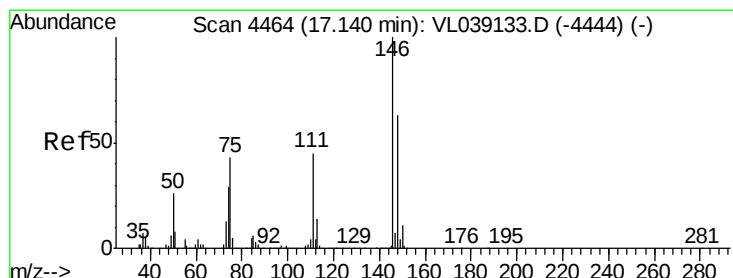
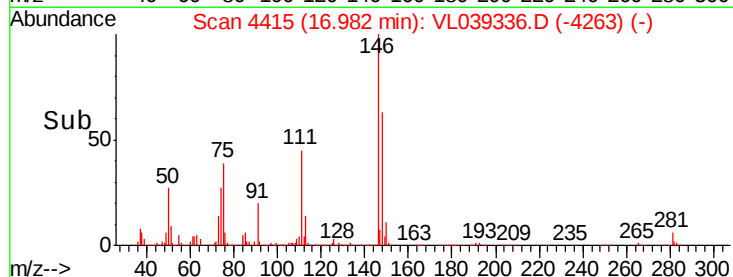
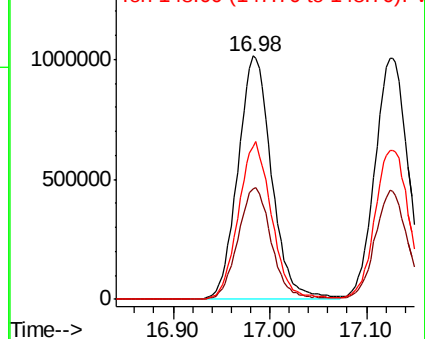
148 63.8 32.4 97.0



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: 7.556 ppbv

RT: 17.12 min Scan# 4459

Delta R.T. -0.02 min

Lab File: VL039336.D

Acq: 24 Jun 2022 10:11

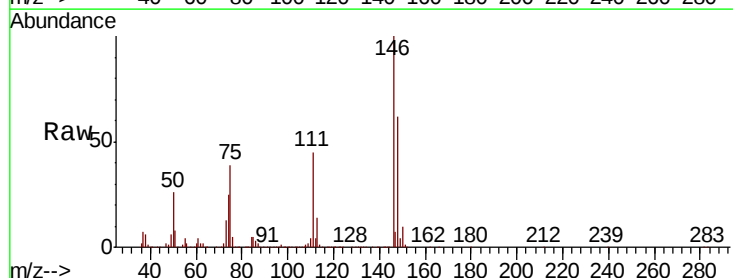
Tgt Ion:146 Resp: 2387271

Ion Ratio Lower Upper

146 100

111 45.2 23.6 71.0

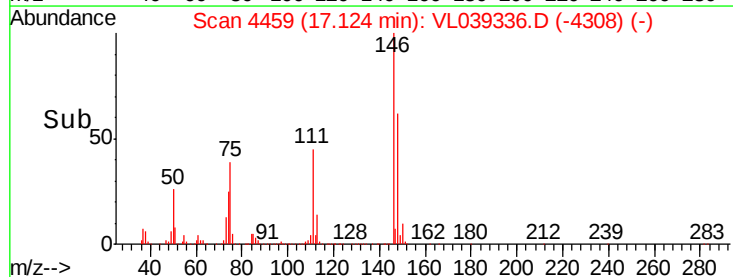
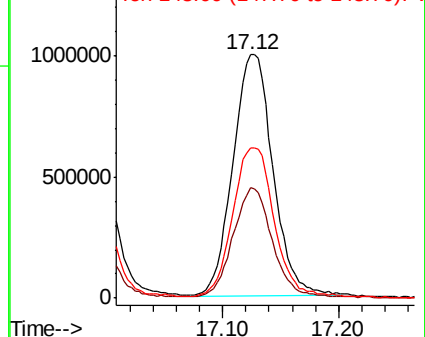
148 65.3 33.7 101.0

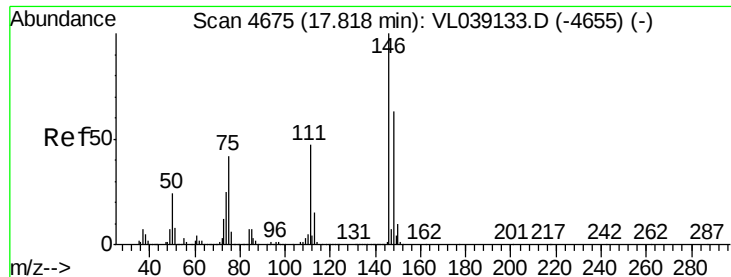


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

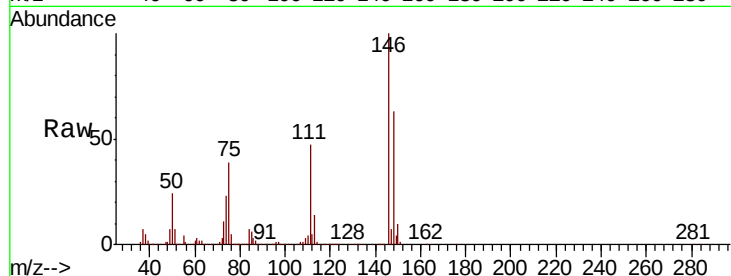




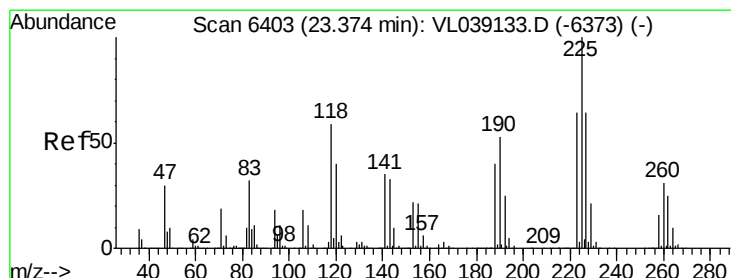
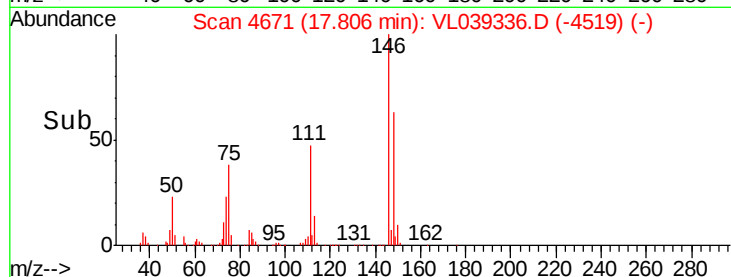
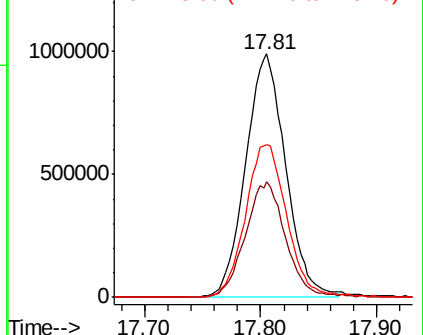
#77
 1,2-Dichlorobenzene
 Concen: 7.443 ppbv
 RT: 17.81 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 24 Jun 2022 10:11

Tot Ion:146 Resp: 2375621

Ion	Ratio	Lower	Upper
146	100		
111	47.8	24.4	73.4
148	65.0	32.1	96.5



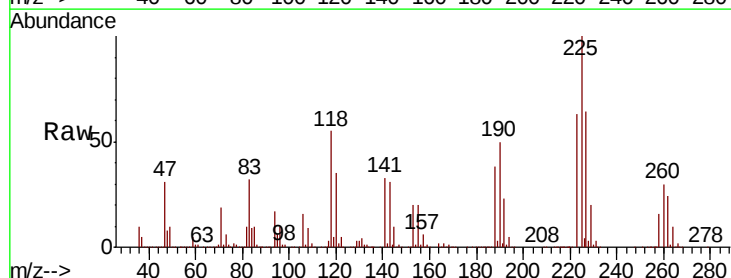
Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V



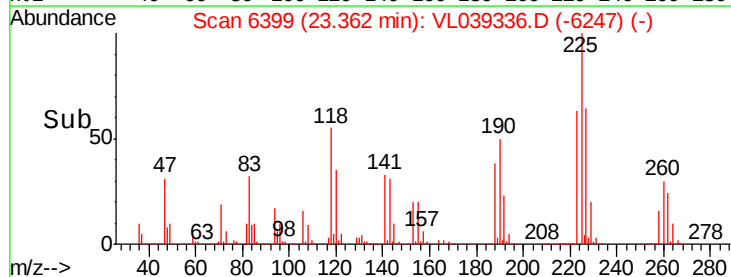
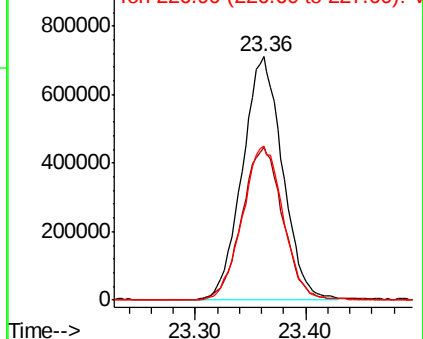
#78
 Hexachloro-1,3-Butadiene
 Concen: 6.128 ppbv
 RT: 23.36 min Scan# 6399
 Delta R.T. -0.01 min
 Lab File: VL039336.D
 Acq: 24 Jun 2022 10:11

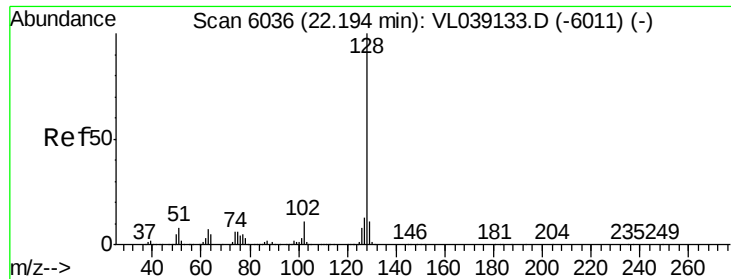
Tgt Ion:225 Resp: 1788660

Ion	Ratio	Lower	Upper
225	100		
223	64.6	51.4	77.0
227	64.6	50.6	75.8



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.215 ppbv

RT: 22.18

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Jun 2022 10:11

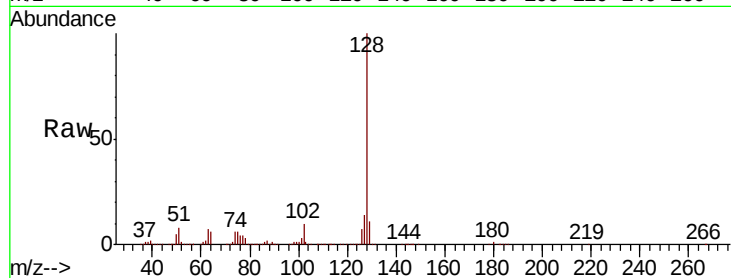
Tot Ion:128 Resp: 3538251

Ion Ratio Lower Upper

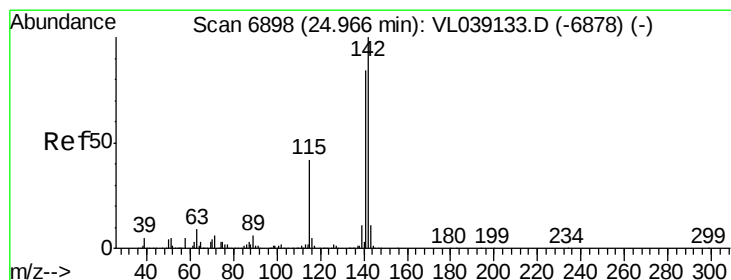
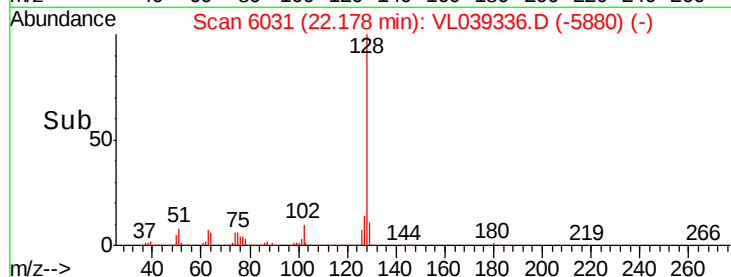
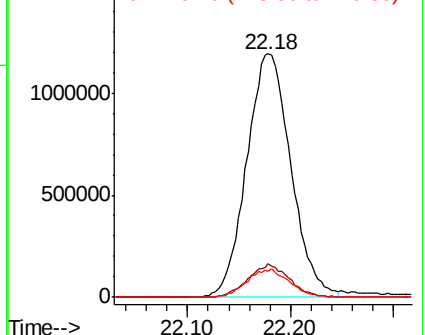
128 100

127 13.7 10.4 15.6

129 10.9 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: 7.454 ppbv

RT: 24.96 min Scan# 6895

Delta R.T. -0.01 min

Lab File: VL039336.D

Acq: 24 Jun 2022 10:11

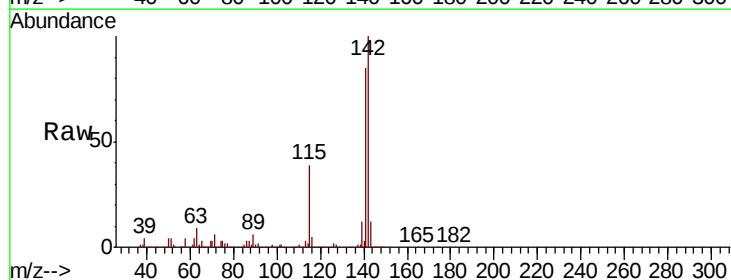
Tgt Ion:142 Resp: 1192755

Ion Ratio Lower Upper

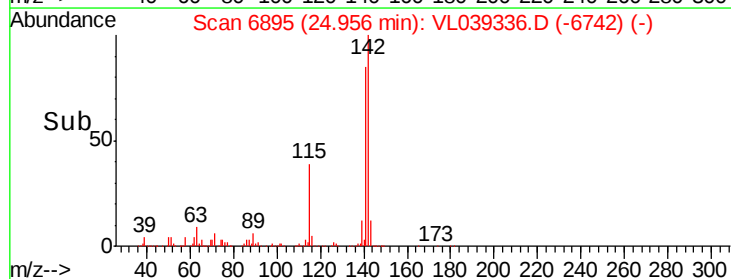
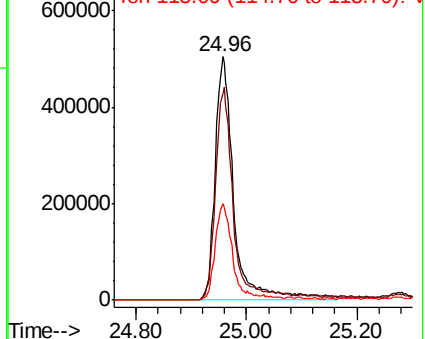
142 100

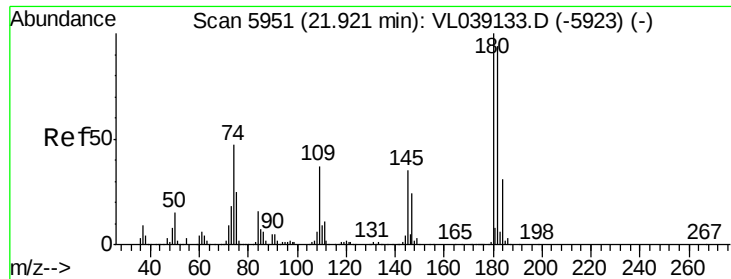
141 82.3 64.6 96.8

115 37.9 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: 4.225 ppbv
 RT: 21.91
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 24 Jun 2022 10:11

Tot Ion:180 Resp: 1152817
 Ion Ratio Lower Upper
 180 100
 182 171.8 0.0 0.0#
 184 54.4 0.0 0.0#

