

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060322\
 Data File : VL039154.D
 Acq On : 3 Jun 2022 15:10
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jun 04 00:15:15 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	5.68	49	1322503	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3419537	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4096339	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2628623	7.76	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	77.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	1660060	7.146	ppbv 98
3) Chlorodifluoromethane	3.00	51	1627745	9.673	ppbv 97
4) Chloromethane	3.15	50	863987	9.996	ppbv 98
5) Vinyl Chloride	3.27	62	828675	10.256	ppbv 95
6) Bromomethane	3.49	94	395531	9.951	ppbv 96
7) Chloroethane	3.57	64	287553	10.213	ppbv 96
8) Dichlorotetrafluoroethane	3.20	85	2018161	9.506	ppbv 97
9) Propene	3.02	41	742452	10.119	ppbv 99
10) Heptane	8.13	43	1809328	10.571	ppbv 99
11) Trichlorofluoromethane	3.96	101	1923737	9.149	ppbv 95
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1341651	9.649	ppbv 100
13) Ethanol	3.62	45	19695	4.922	ppbv # 100
14) Bromoethene	3.75	108	629953	10.077	ppbv 98
15) Acetone	3.86	43	1347412	9.781	ppbv 99
16) 1,3-Butadiene	3.34	39	745563	10.068	ppbv 99
17) tert-Butyl alcohol	4.30	59	1225760	11.471	ppbv 98
18) 1,1-Dichloroethene	4.30	96	619408	9.930	ppbv 95
19) Isopropyl Alcohol	3.98	45	699194	10.821	ppbv 100
20) Methylene Chloride	4.36	84	497625	8.572	ppbv 95
21) Allyl Chloride	4.43	41	908029	9.771	ppbv 97
22) trans-1,2-Dichloroethene	4.90	96	619348	10.319	ppbv 98
23) Vinyl Acetate	5.09	43	1177400	10.330	ppbv 98
24) 1,1-Dichloroethane	5.03	63	1211401	7.757	ppbv 99
25) Ethyl Acetate	5.69	43	3149679	10.144	ppbv 99
26) Hexane	5.70	57	1384892	10.149	ppbv 98
27) Carbon Disulfide	4.56	76	1412084	9.985	ppbv 99
28) Methyl tert-Butyl Ether	5.05	73	1207686	8.017	ppbv 100
29) Chloroform	5.77	83	2279238	9.927	ppbv 98
30) Cyclohexane	7.15	84	1168096	10.190	ppbv 98
31) cis-1,2-Dichloroethene	5.56	61	1441200	10.359	ppbv 98
32) 1,1,1-Trichloroethane	6.53	97	2293046	10.206	ppbv 99
34) 2-Butanone	5.26	43	1935774	10.420	ppbv 99
35) Carbon Tetrachloride	7.03	117	2365404	9.477	ppbv 98
36) Benzene	6.91	78	2814181	10.137	ppbv 99
37) 1,2-Dichloroethane	6.32	62	1717415	9.400	ppbv 98
38) Trichloroethene	7.85	130	1357301	10.644	ppbv 97
39) 1,2-Dichloropropane	7.63	63	1107601	10.030	ppbv 97
40) 1,4-Dioxane	7.84	88	168492	4.635	ppbv # 1
41) Tetrahydrofuran	6.06	42	1151036	10.302	ppbv 99
42) Bromodichloromethane	7.81	83	2525246	9.959	ppbv 99
43) Methyl Methacrylate	8.02	69	1169537	10.815	ppbv 98

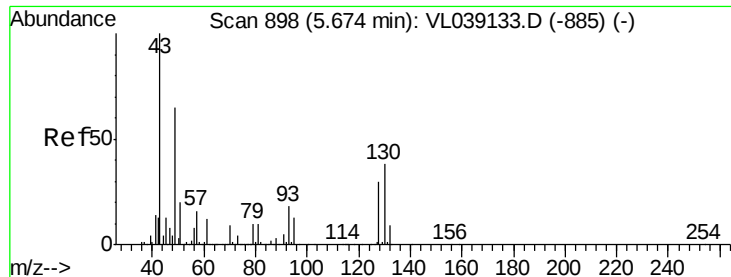
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060322\
 Data File : VL039154.D
 Acq On : 3 Jun 2022 15:10
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jun 04 00:15:15 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)
44) 2,2,4-Trimethylpentane	7.88	57	4764343	9.810	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1313972	11.667	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1648455	11.080	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1173263	10.184	ppbv	98
48) Dibromochloromethane	10.32	129	2129596	10.353	ppbv	98
49) Bromoform	13.06	173	1722865	10.050	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2915868	10.486	ppbv	99
51) 2-Hexanone	10.14	43	2295556	10.609	ppbv #	100
52) Tetrachloroethene	11.24	164	1059716	9.777	ppbv	97
53) Toluene	9.82	91	3347809	10.473	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1666903	10.768	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.14	131	1458469	7.524	ppbv	98
57) Chlorobenzene	12.16	112	2471594	8.019	ppbv	96
58) Ethyl Benzene	12.72	91	4518317	8.008	ppbv	97
59) m/p-Xylene	13.01	91	4162815	8.378	ppbv #	42
60) o-Xylene	13.71	91	3686776	7.896	ppbv	100
61) Styrene	13.54	104	2147806	8.590	ppbv	97
62) Isopropylbenzene	14.68	105	5303321	7.642	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	1870769	7.138	ppbv	98
64) n-propylbenzene	15.57	120	1331047	7.803	ppbv	94
65) tert-Butylbenzene	16.76	119	4703161	7.412	ppbv	99
66) Benzyl Chloride	17.00	91	714268	8.657	ppbv	98
67) sec-Butylbenzene	17.30	105	6660634	7.693	ppbv	100
69) p-Isopropyltoluene	17.66	119	5590493	7.653	ppbv	99
70) n-Butylbenzene	18.56	91	5891067	7.857	ppbv	100
71) 2-Chlorotoluene	15.47	91	3995168	7.550	ppbv	99
72) 4-Ethyltoluene	15.85	105	4231513	7.733	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	3949826	8.003	ppbv	100
74) 1,2,4-Trimethylbenzene	16.78	105	4221765	7.665	ppbv	92
75) 1,3-Dichlorobenzene	17.01	146	2461623	7.896	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	2342723	7.532	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2376504	7.563	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	2001576	6.966	ppbv	99
79) Naphthalene	22.21	128	4036319	9.520	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	1765631	11.208	ppbv	95
81) 1,2,4-Trichlorobenzene	21.94	180	2259498	8.412	ppbv #	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 3 Jun 2022 15:10

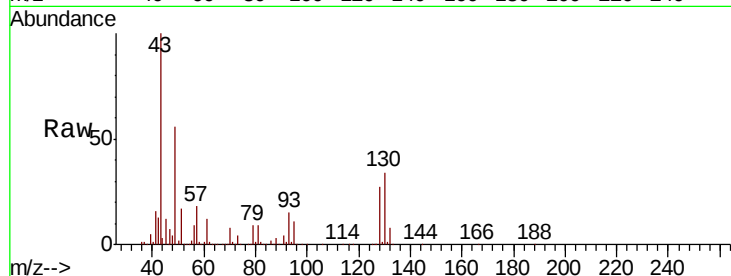
Tot Ion: 49 Resp: 1322503

Ion Ratio Lower Upper

49 100

128 50.4 24.7 74.1

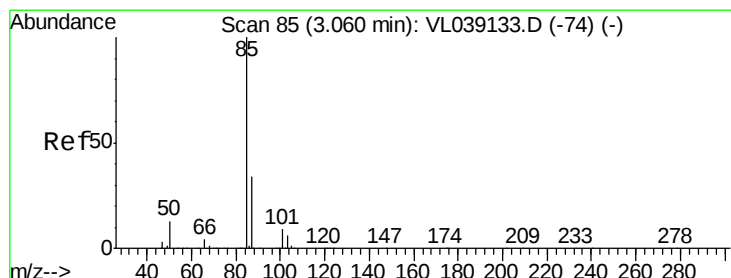
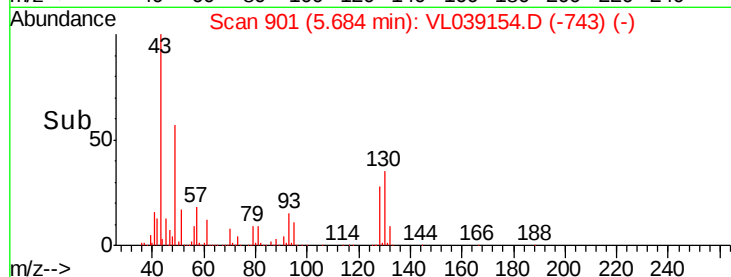
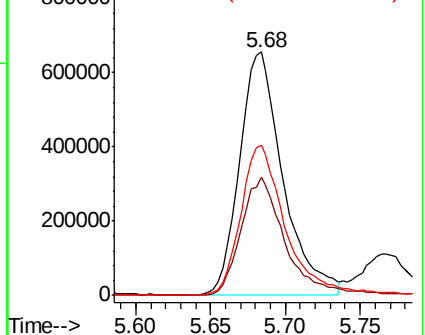
130 65.0 31.4 94.0



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: 7.146 ppbv

RT: 3.06 min Scan# 85

Delta R.T. -0.00 min

Lab File: VL039154.D

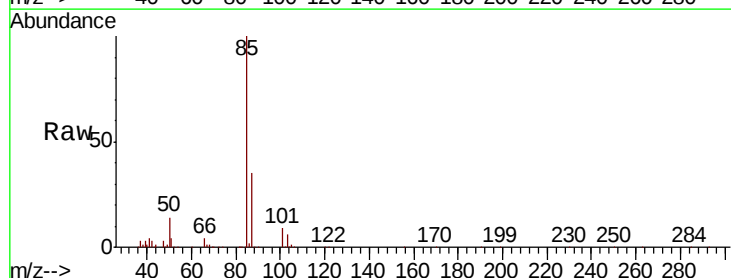
Acq: 3 Jun 2022 15:10

Tgt Ion: 85 Resp: 1660060

Ion Ratio Lower Upper

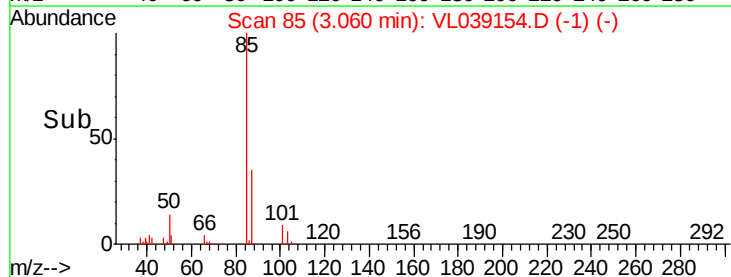
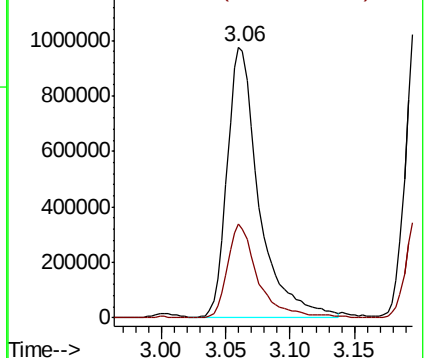
85 100

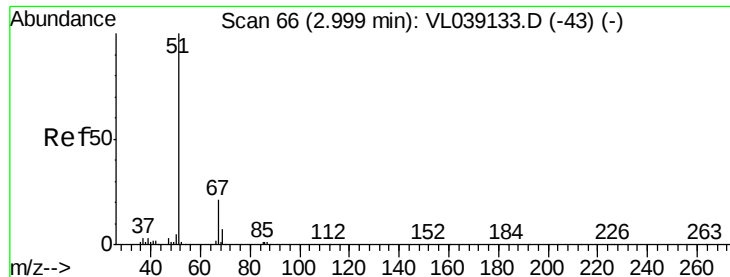
87 34.7 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.673 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

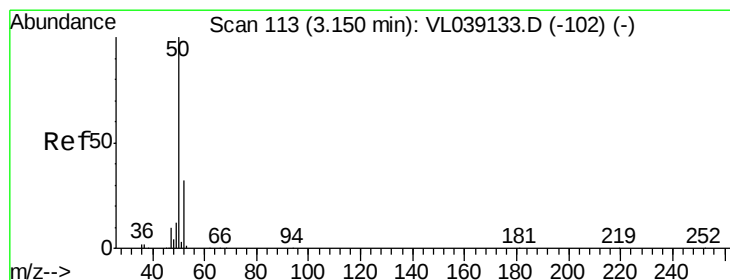
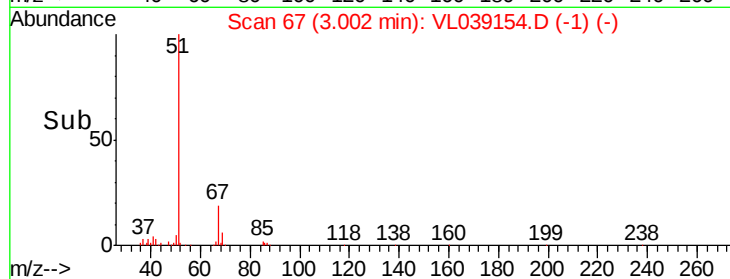
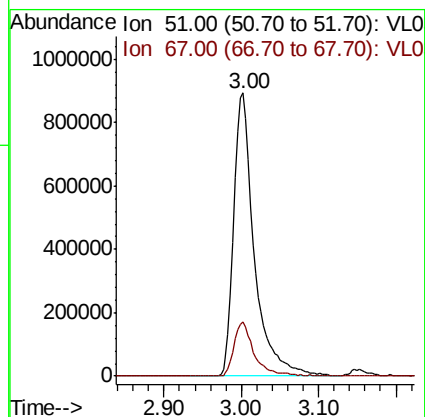
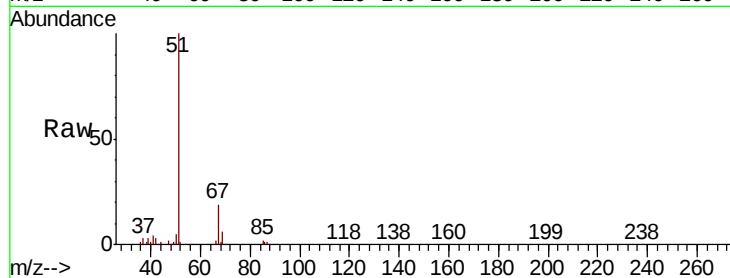
Acq: 3 Jun 2022 15:10 VSTDCCC010

Tot Ion: 51 Resp: 1627745

Ion Ratio Lower Upper

51 100

67 18.9 16.2 24.4



#4

Chloromethane

Concen: 9.996 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.00 min

Lab File: VL039154.D

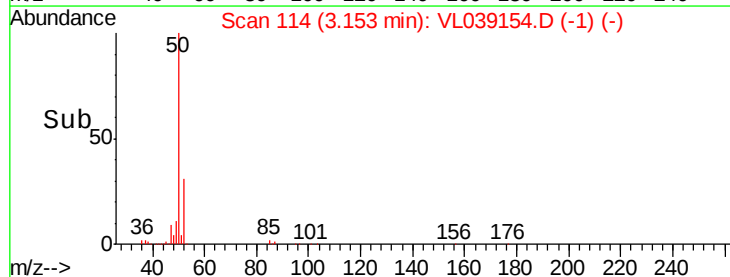
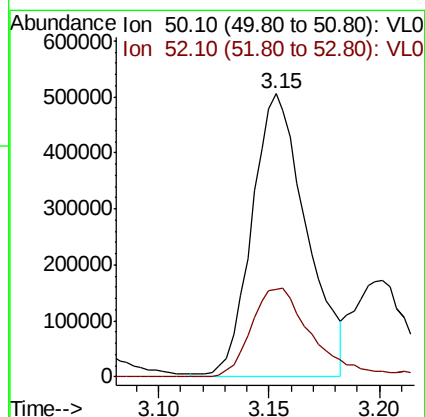
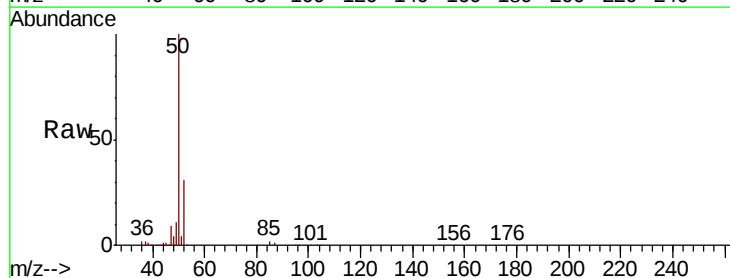
Acq: 3 Jun 2022 15:10

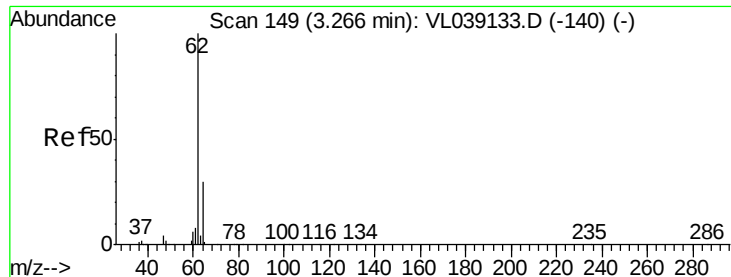
Tgt Ion: 50 Resp: 863987

Ion Ratio Lower Upper

50 100

52 31.1 25.9 38.9





#5

Vinyl Chloride

Concen: 10.256 ppbv

RT: 3.27 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDCCC010

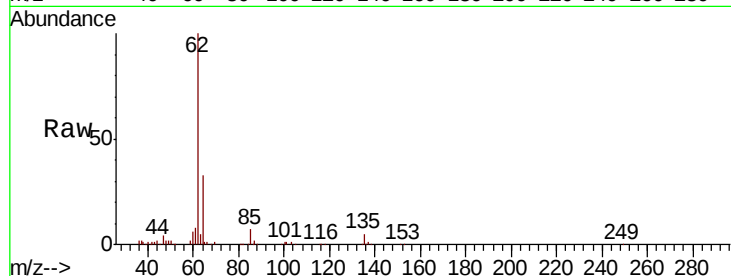
Acq: 3 Jun 2022 15:10

Tot Ion: 62 Resp: 828675

Ion Ratio Lower Upper

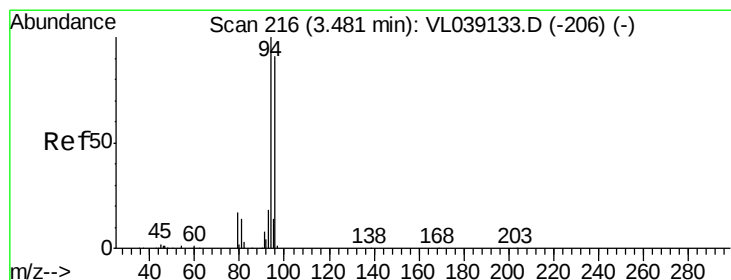
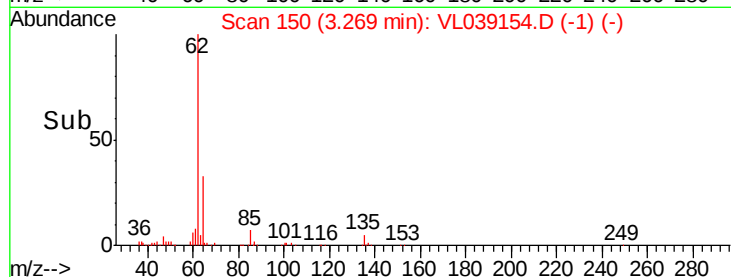
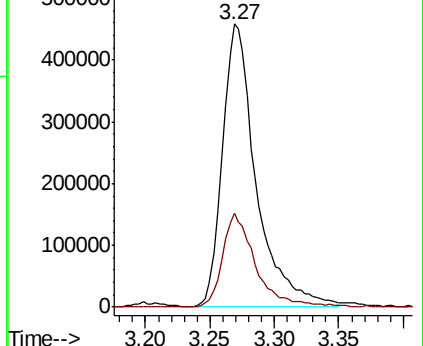
62 100

64 33.2 24.2 36.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.951 ppbv

RT: 3.49 min Scan# 218

Delta R.T. 0.01 min

Lab File: VL039154.D

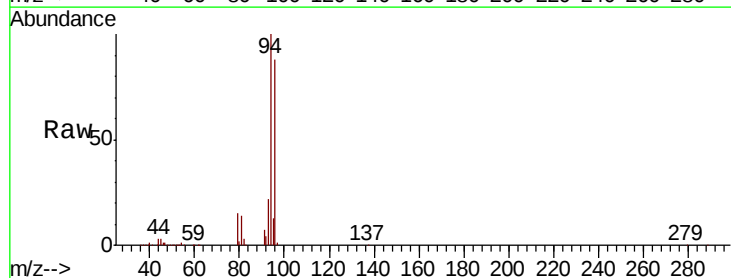
Acq: 3 Jun 2022 15:10

Tgt Ion: 94 Resp: 395531

Ion Ratio Lower Upper

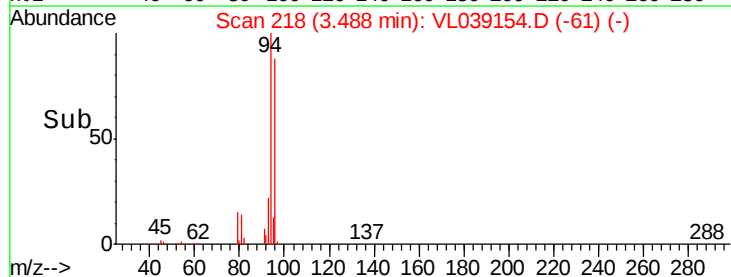
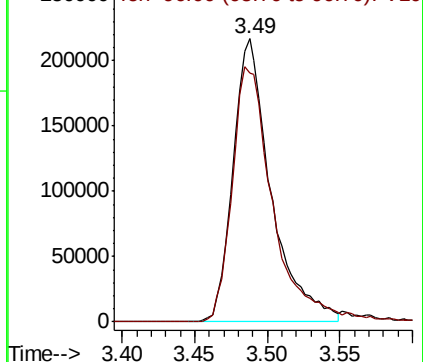
94 100

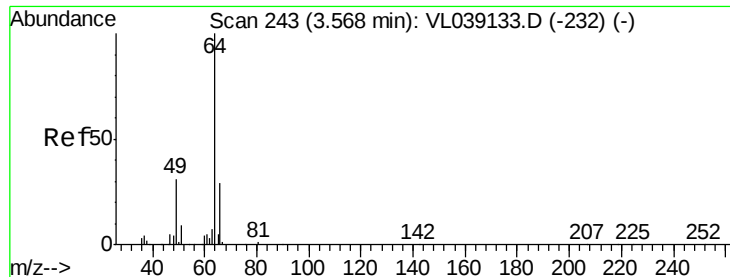
96 87.7 73.0 109.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.213 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

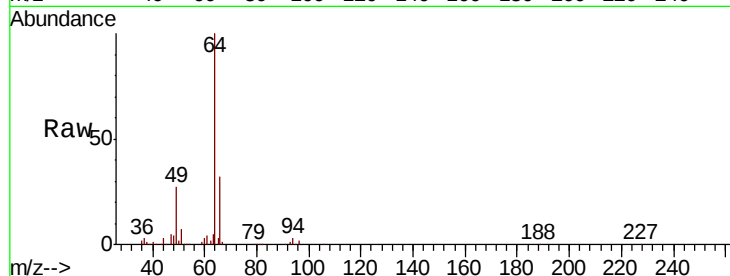
Acq: 3 Jun 2022 15:10 VSTDCCC010

Tot Ion: 64 Resp: 287553

Ion Ratio Lower Upper

64 100

66 31.6 23.6 35.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.57

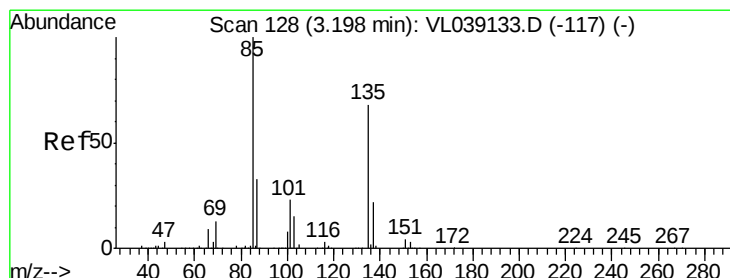
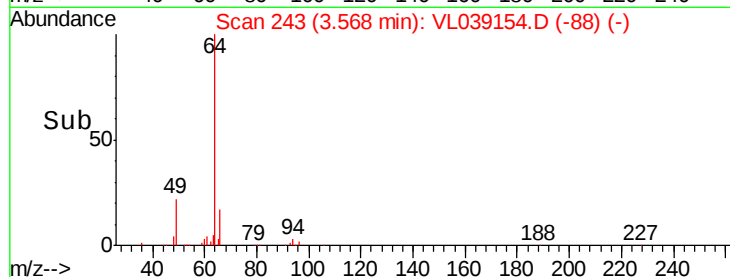
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.506 ppbv

RT: 3.20 min Scan# 129

Delta R.T. 0.00 min

Lab File: VL039154.D

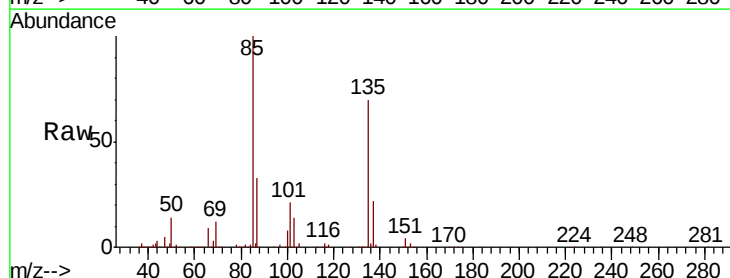
Acq: 3 Jun 2022 15:10

Tgt Ion: 85 Resp: 2018161

Ion Ratio Lower Upper

85 100

135 71.4 55.0 82.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

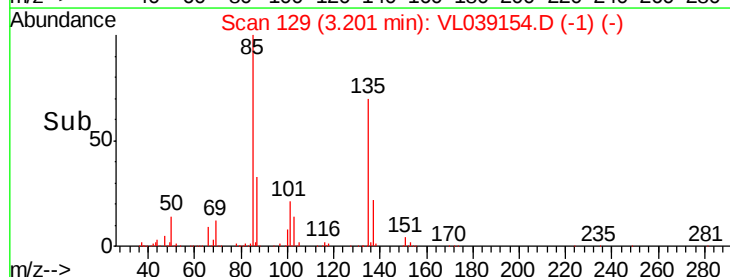
3.20

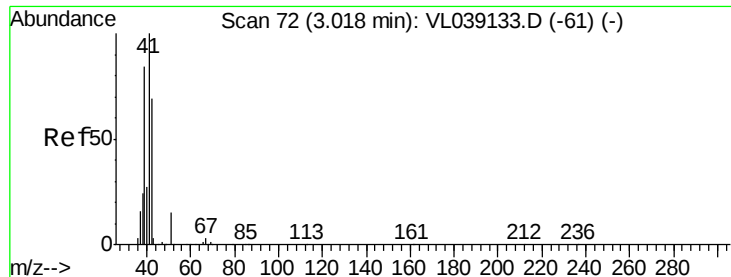
1000000

500000

0

Time-->





#9

Propene

Concen: 10.119 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDCCC010

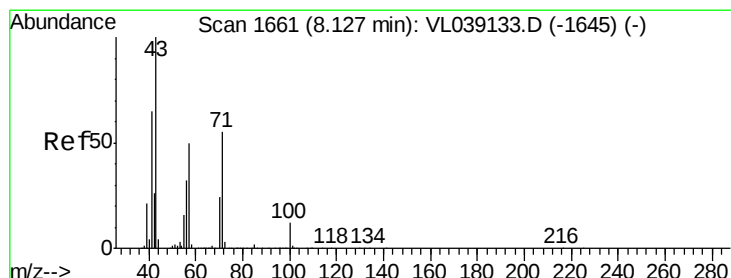
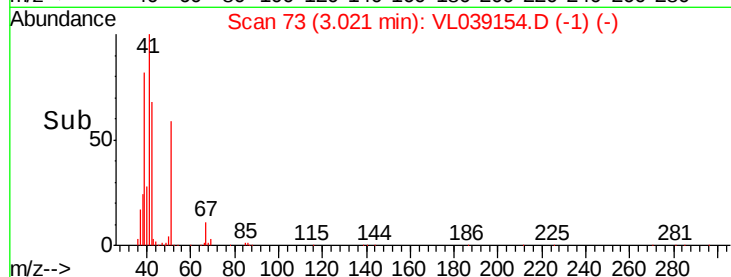
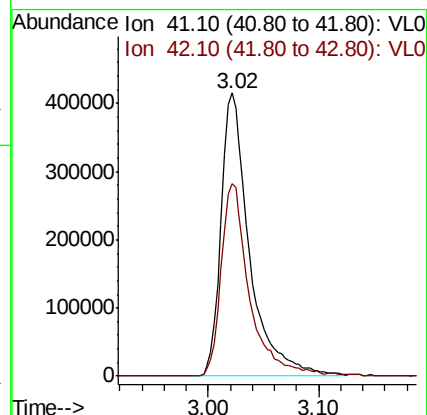
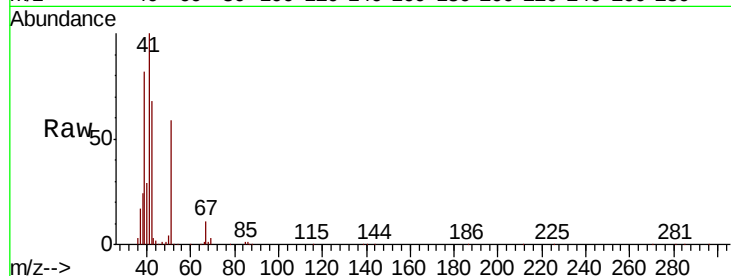
Acq: 3 Jun 2022 15:10

Tot Ion: 41 Resp: 742452

Ion Ratio Lower Upper

41 100

42 68.4 55.4 83.2



#10

Heptane

Concen: 10.571 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.01 min

Lab File: VL039154.D

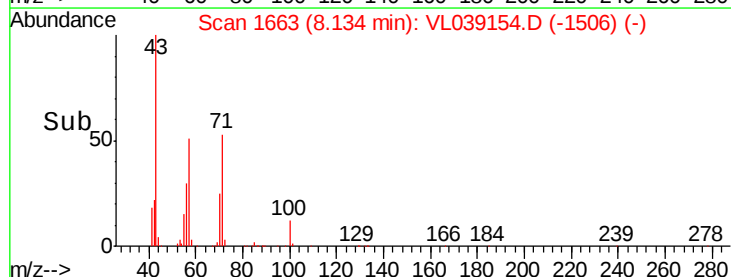
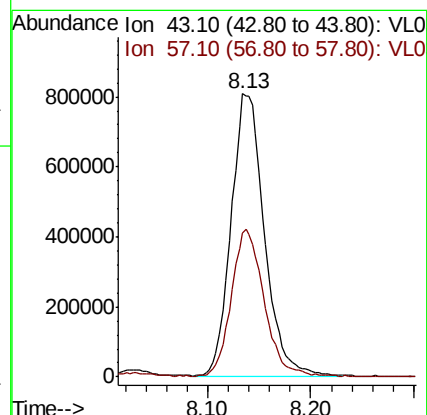
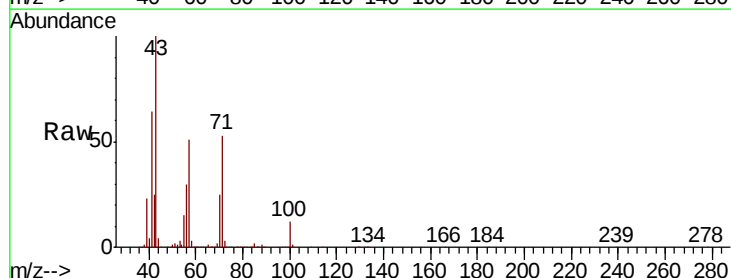
Acq: 3 Jun 2022 15:10

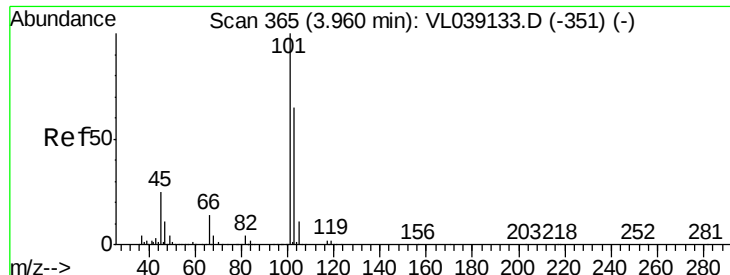
Tgt Ion: 43 Resp: 1809328

Ion Ratio Lower Upper

43 100

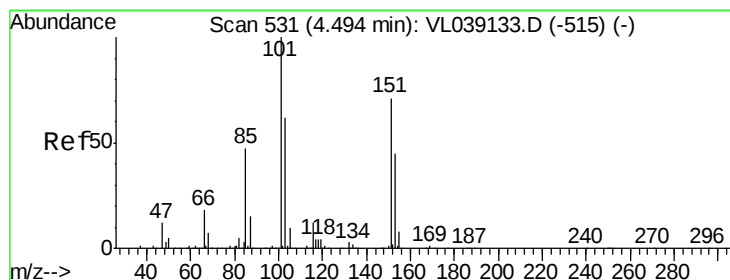
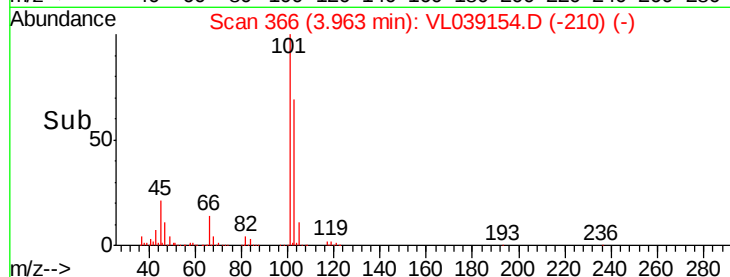
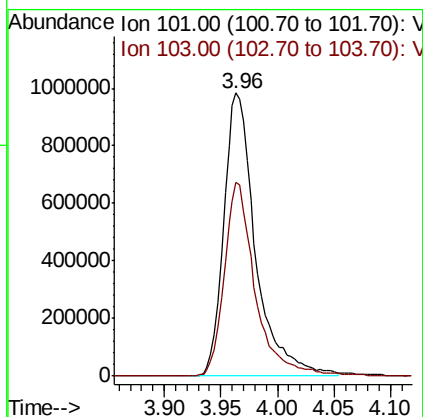
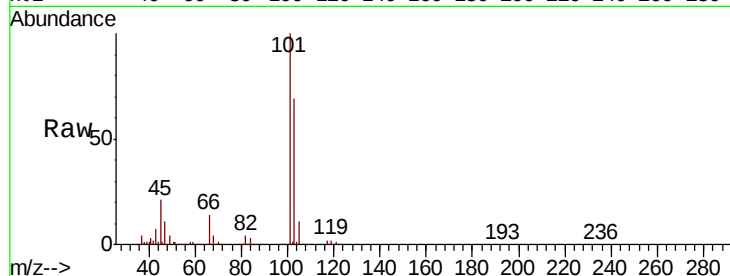
57 50.9 41.4 62.2





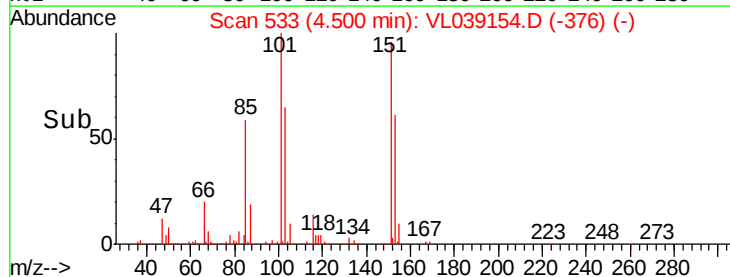
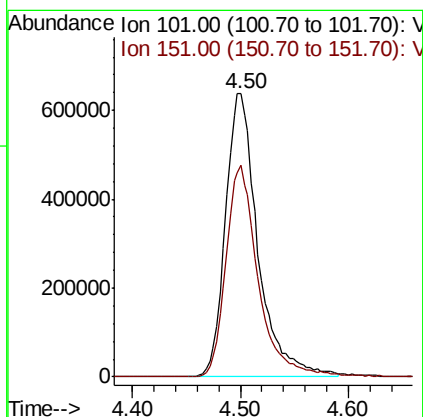
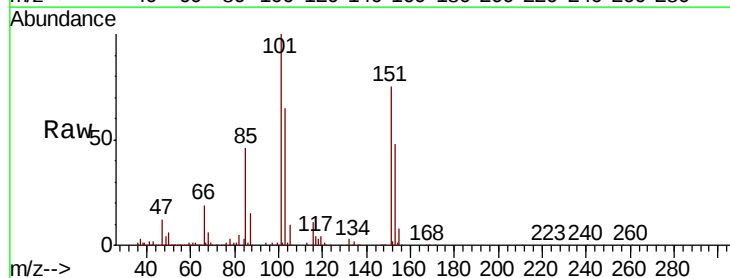
#11
 Trichlorofluoromethane
 Concen: 9.149 ppbv
 RT: 3.96 Instrument : MSVOA_1
 Delta R.T.: ClientSampleId :
 Lab File: VSTDCCC010
 Acq: 3 Jun 2022 15:10

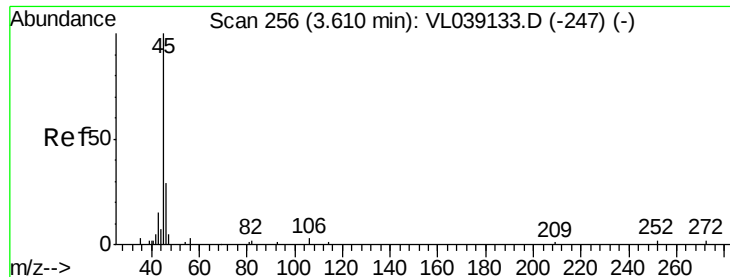
Tot Ion:101 Resp: 1923737
 Ion Ratio Lower Upper
 101 100
 103 68.5 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.649 ppbv
 RT: 4.50 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VL039154.D
 Acq: 3 Jun 2022 15:10

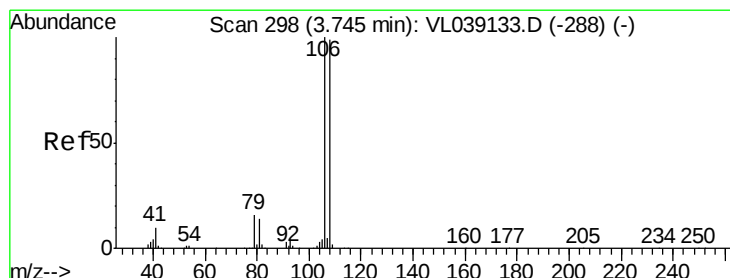
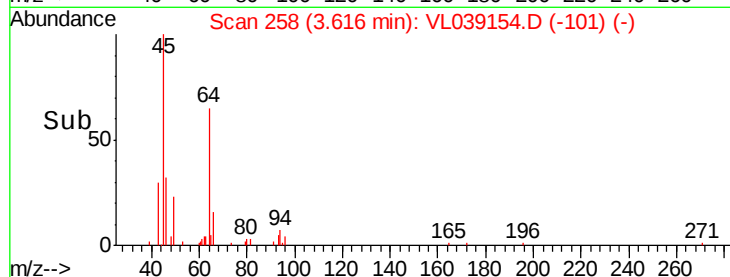
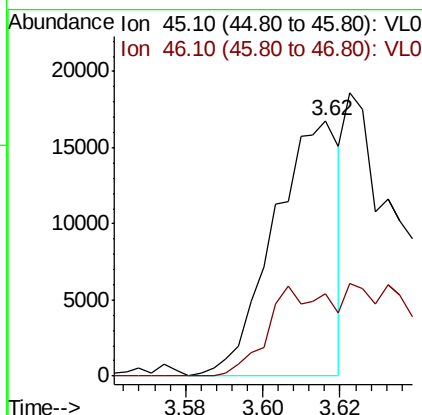
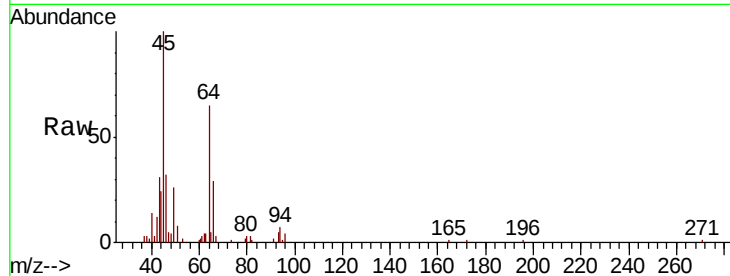
Tgt Ion:101 Resp: 1341651
 Ion Ratio Lower Upper
 101 100
 151 74.4 59.4 89.0





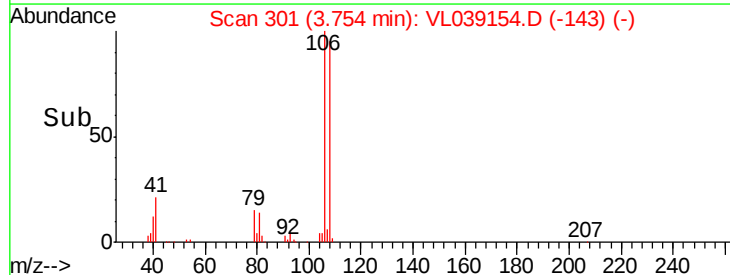
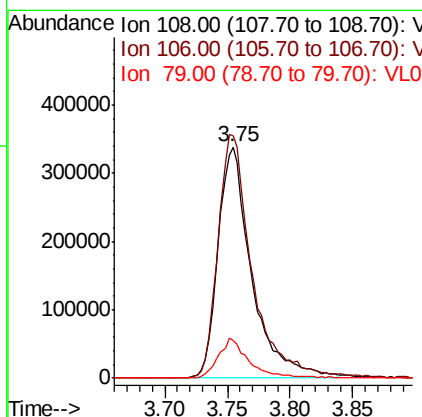
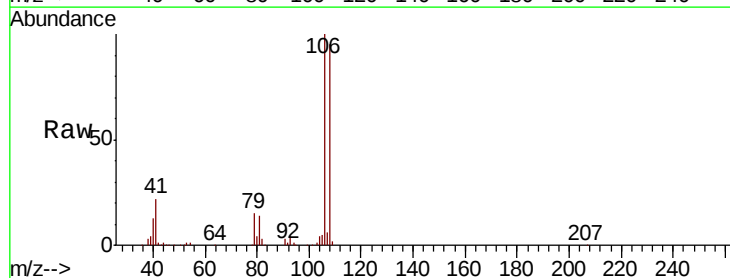
#13
 Ethanol
 Concen: 4.922 ppbv
 RT: 3.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 3 Jun 2022 15:10

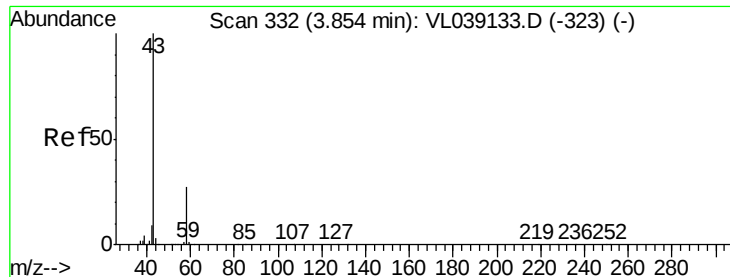
Tot Ion: 45 Resp: 19695
 Ion Ratio Lower Upper
 45 100
 46 94.4 0.0 0.0#



#14
 Bromoethene
 Concen: 10.077 ppbv
 RT: 3.75 min Scan# 301
 Delta R.T. 0.01 min
 Lab File: VL039154.D
 Acq: 3 Jun 2022 15:10

Tgt Ion: 108 Resp: 629953
 Ion Ratio Lower Upper
 108 100
 106 108.2 88.4 132.6
 79 16.3 13.4 20.2





#15

Acetone

Concen: 9.781 ppbv

RT: 3.86 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

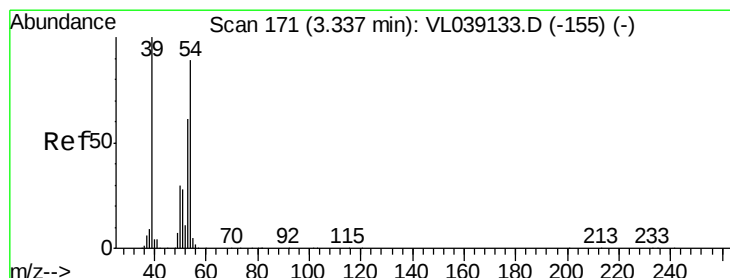
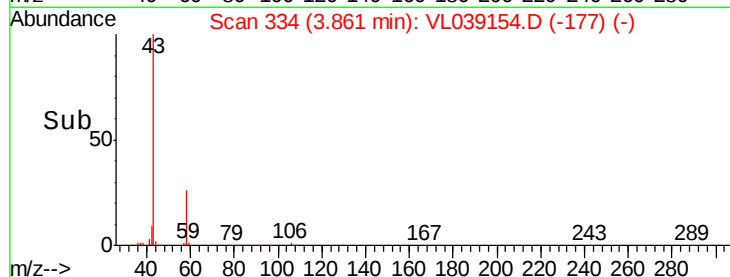
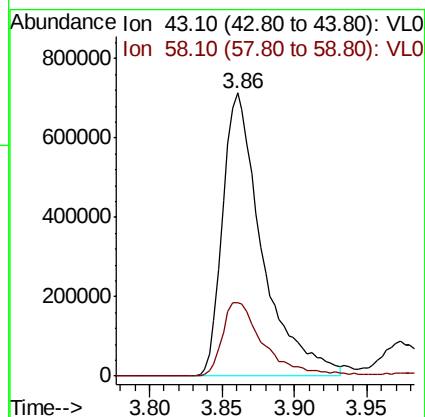
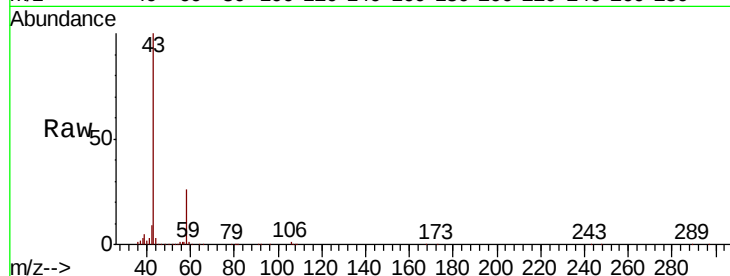
Acq: 3 Jun 2022 15:10 VSTDCCC010

Tot Ion: 43 Resp: 1347412

Ion Ratio Lower Upper

43 100

58 27.6 22.5 33.7



#16

1,3-Butadiene

Concen: 10.068 ppbv

RT: 3.34 min Scan# 172

Delta R.T. 0.00 min

Lab File: VL039154.D

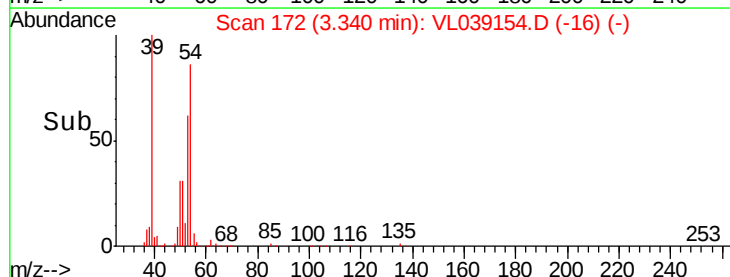
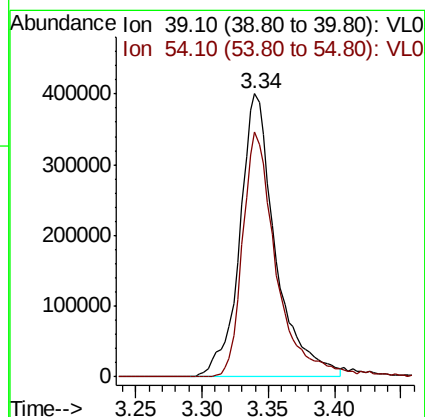
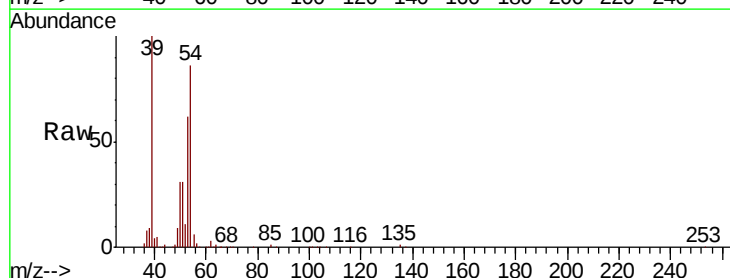
Acq: 3 Jun 2022 15:10

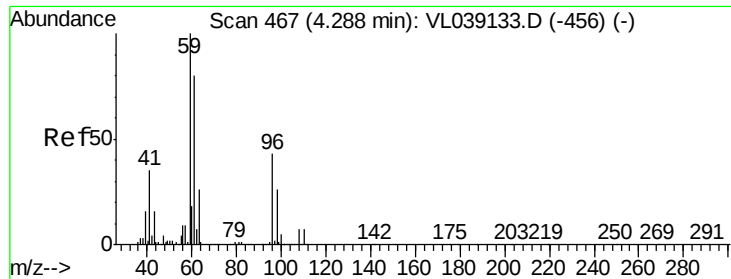
Tgt Ion: 39 Resp: 745563

Ion Ratio Lower Upper

39 100

54 83.4 65.8 98.6





#17

tert-Butyl alcohol

Concen: 11.471 ppbv

RT: 4.30 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

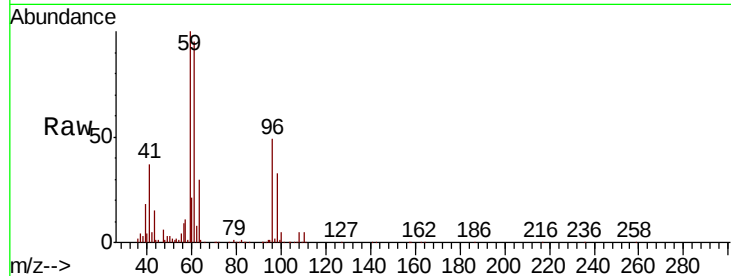
Acq: 3 Jun 2022 15:10 VSTDCCC010

Tot Ion: 59 Resp: 1225760

Ion Ratio Lower Upper

59 100

57 10.8 9.1 13.7



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.30

600000

500000

400000

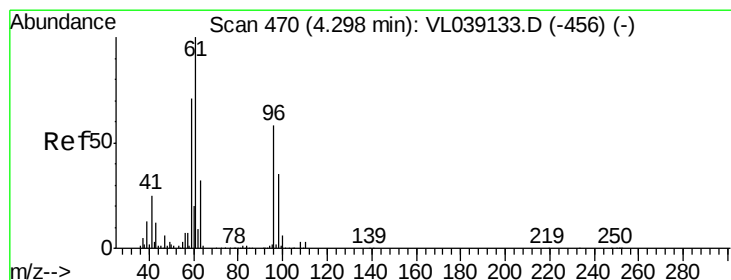
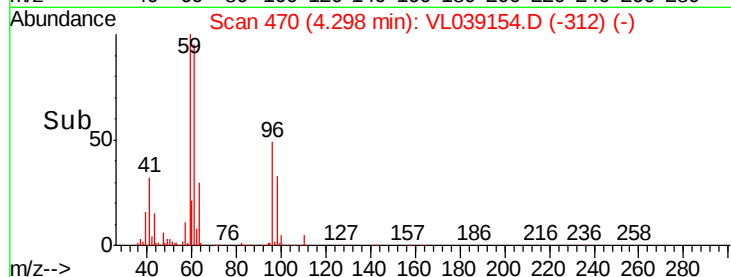
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.930 ppbv

RT: 4.30 min Scan# 472

Delta R.T. 0.01 min

Lab File: VL039154.D

Acq: 3 Jun 2022 15:10

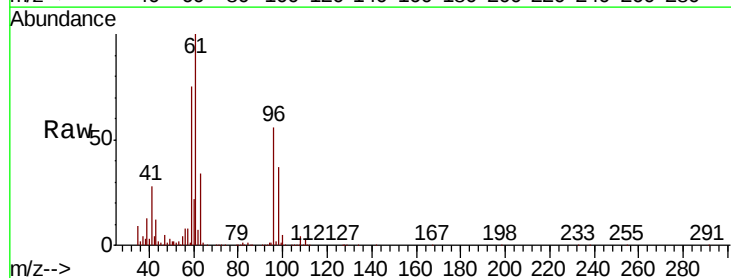
Tgt Ion: 96 Resp: 619408

Ion Ratio Lower Upper

96 100

61 178.4 138.4 207.6

98 65.4 47.8 71.8



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

800000

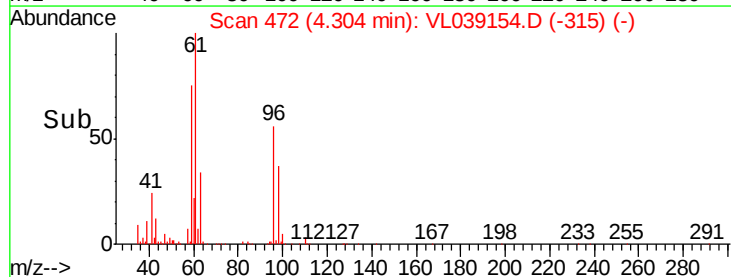
600000

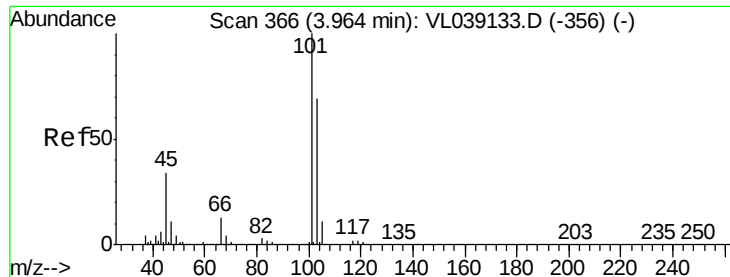
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 10.821 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

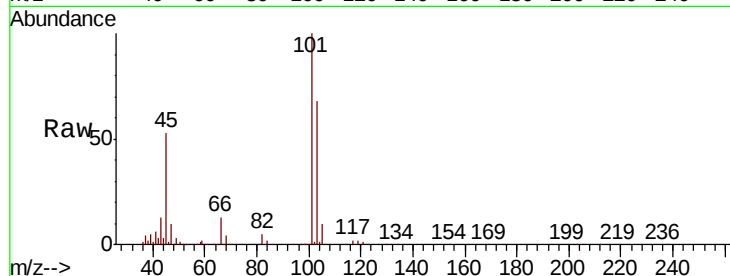
Acq: 3 Jun 2022 15:10 VSTDCCC010

Tot Ion: 45 Resp: 699194

Ion Ratio Lower Upper

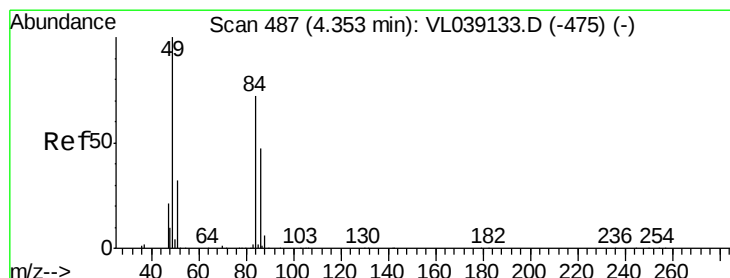
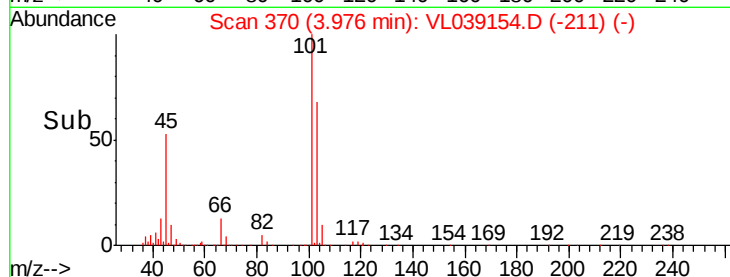
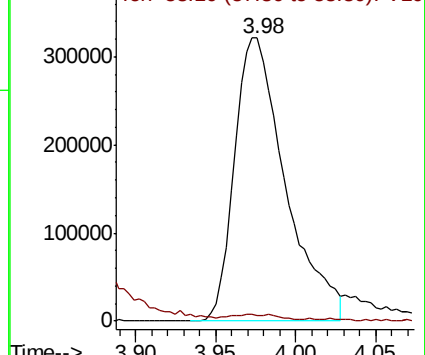
45 100

58 2.5 1.8 2.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.572 ppbv

RT: 4.36 min Scan# 489

Delta R.T. 0.01 min

Lab File: VL039154.D

Acq: 3 Jun 2022 15:10

Tgt Ion: 84 Resp: 497625

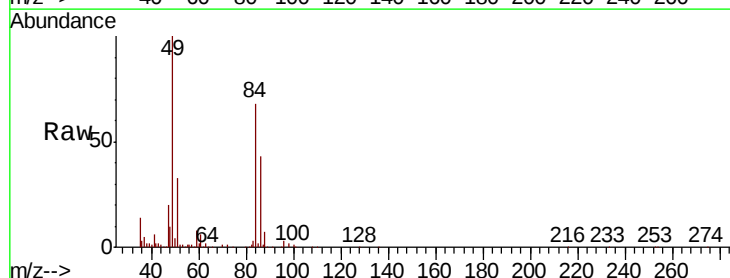
Ion Ratio Lower Upper

84 100

49 145.2 111.1 166.7

51 47.5 35.3 52.9

86 62.8 51.9 77.9

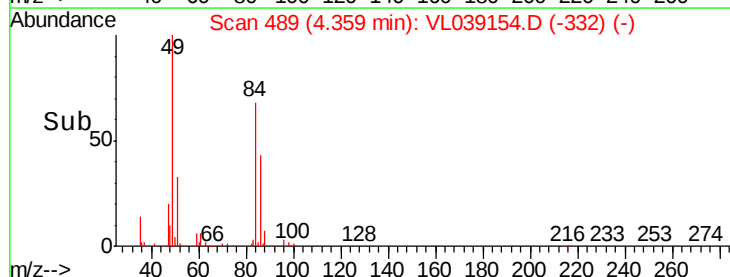
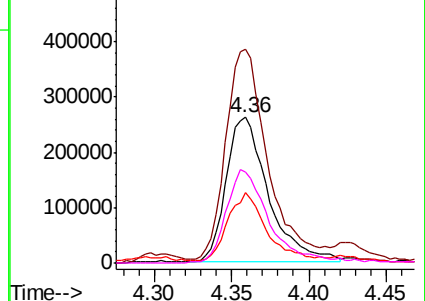


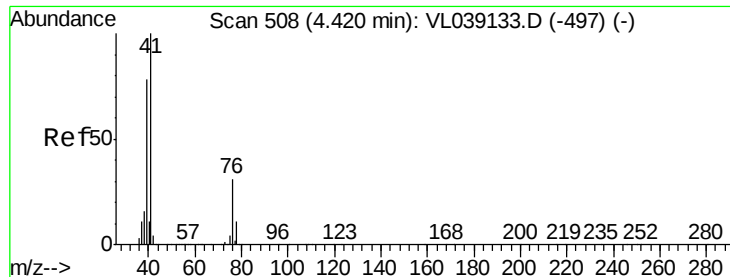
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#21

Allvl Chloride

Concen: 9.771 ppbv

RT: 4.43 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Jun 2022 15:10 VSTDCCC010

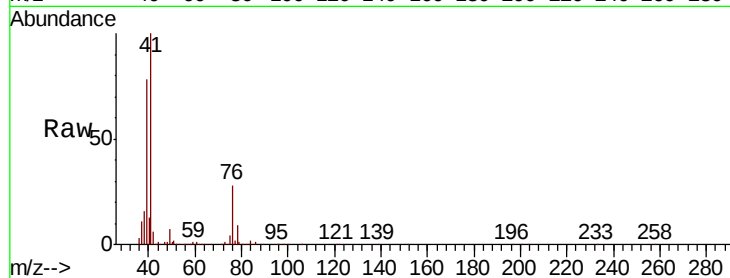
Tot Ion: 41 Resp: 908029

Ion Ratio Lower Upper

41 100

76 30.5 24.2 36.2

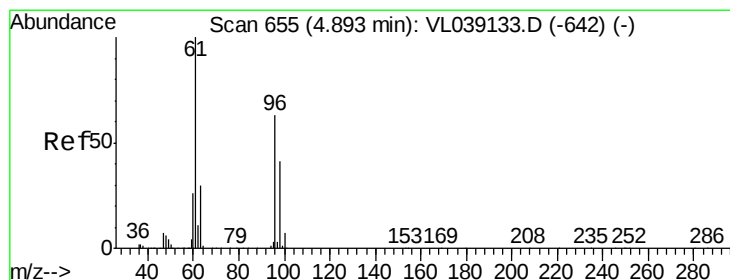
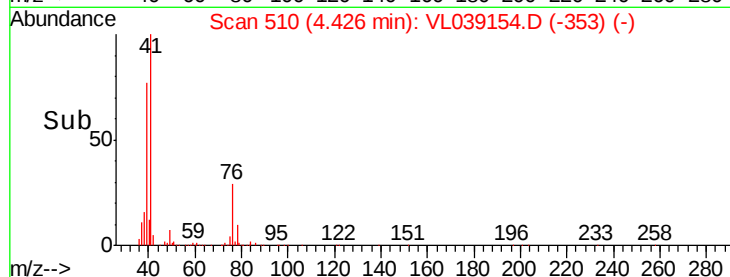
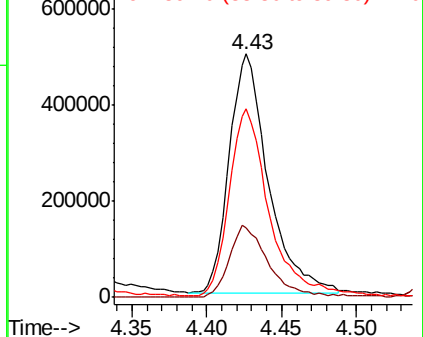
39 80.6 62.2 93.2



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: 10.319 ppbv

RT: 4.90 min Scan# 657

Delta R.T. 0.01 min

Lab File: VL039154.D

Acq: 3 Jun 2022 15:10

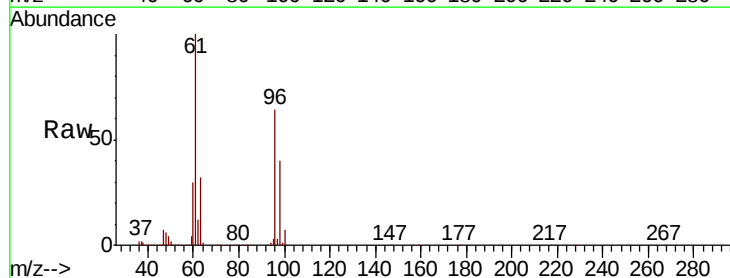
Tgt Ion: 96 Resp: 619348

Ion Ratio Lower Upper

96 100

61 155.5 126.6 190.0

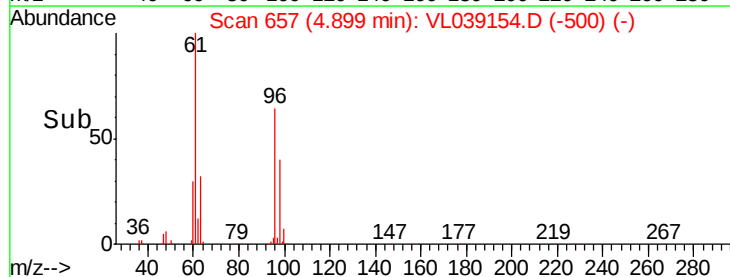
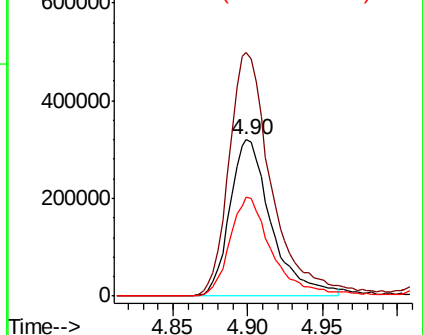
98 63.0 52.5 78.7

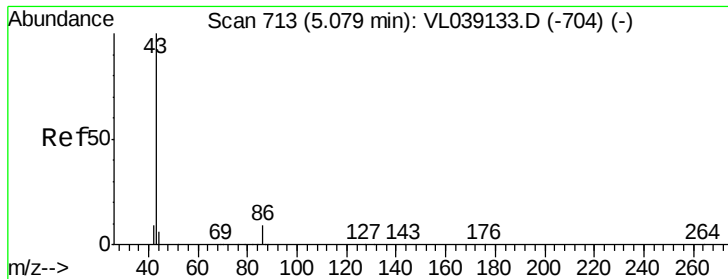


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.330 ppbv

RT: 5.09 Instrument:

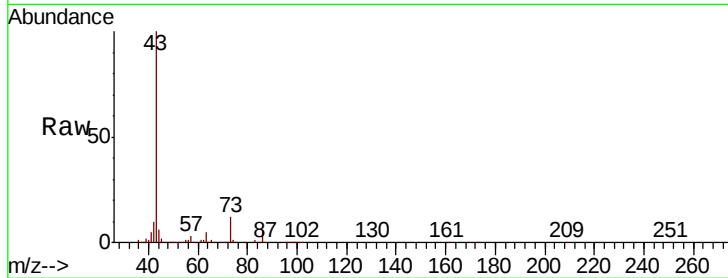
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

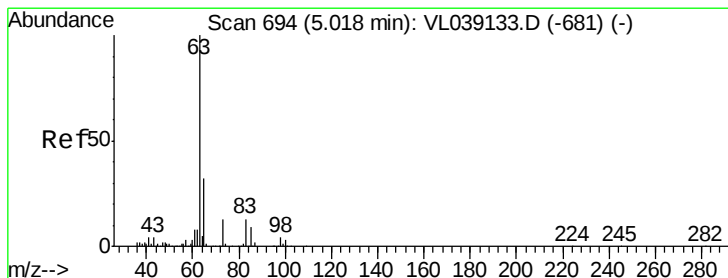
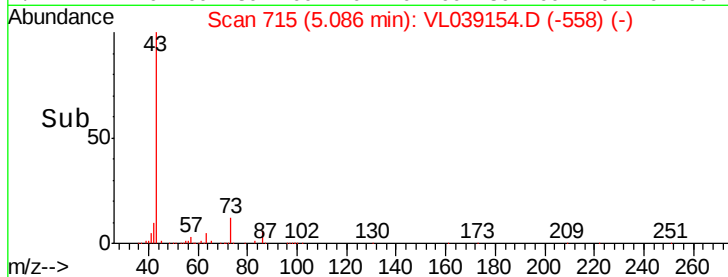
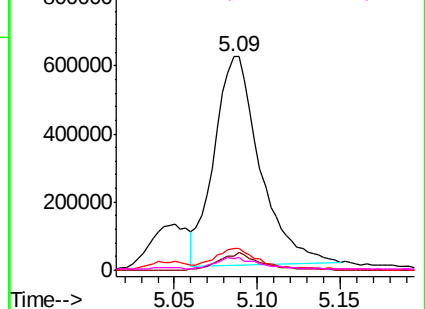
Acq: 3 Jun 2022 15:10 VSTDCCC010

Tot Ion: 43 Resp: 1177400

Ion	Ratio	Lower	Upper
43	100		
86	6.3	6.0	9.0
42	10.0	8.2	12.4
44	5.3	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



#24

1,1-Dichloroethane

Concen: 7.757 ppbv

RT: 5.03 min Scan# 697

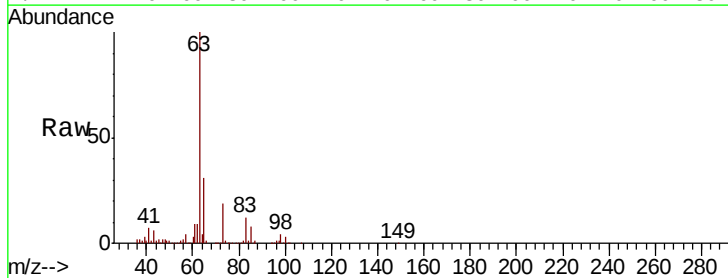
Delta R.T. 0.01 min

Lab File: VL039154.D

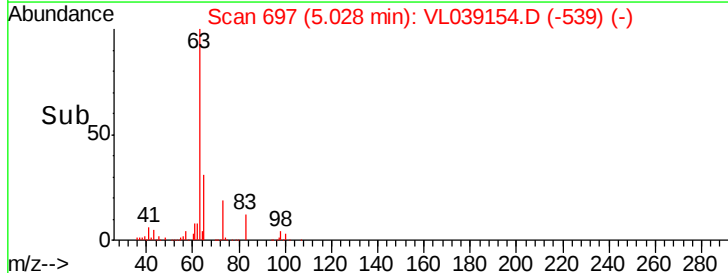
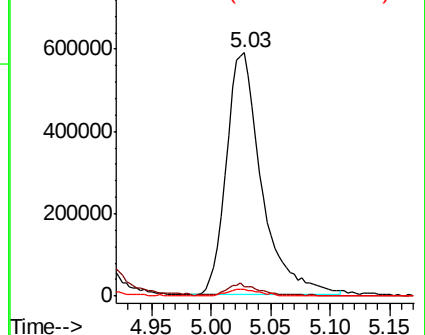
Acq: 3 Jun 2022 15:10

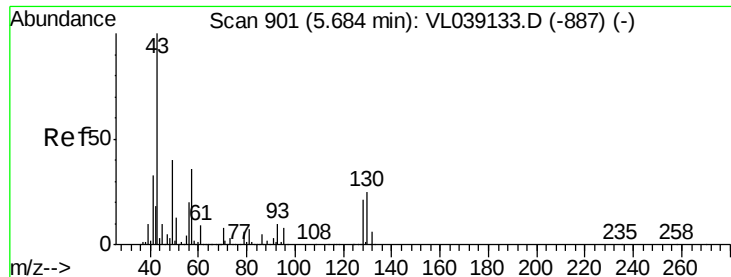
Tgt Ion: 63 Resp: 1211401

Ion	Ratio	Lower	Upper
63	100		
98	3.4	2.1	6.2
100	2.8	1.5	4.5



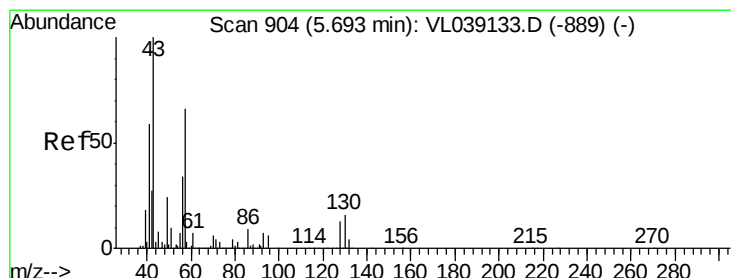
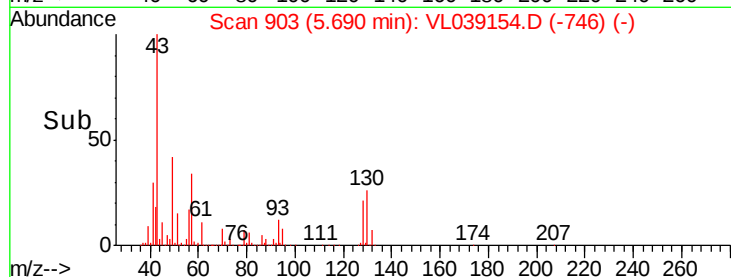
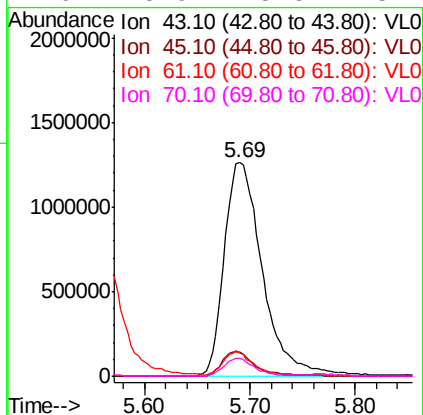
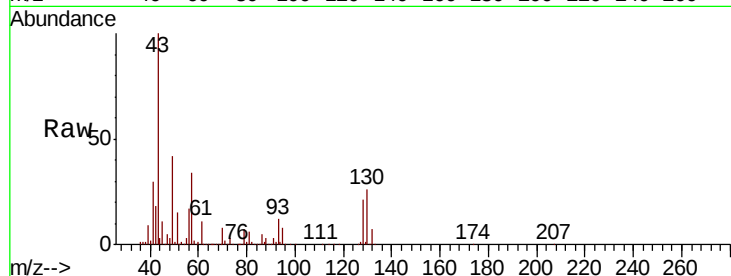
Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





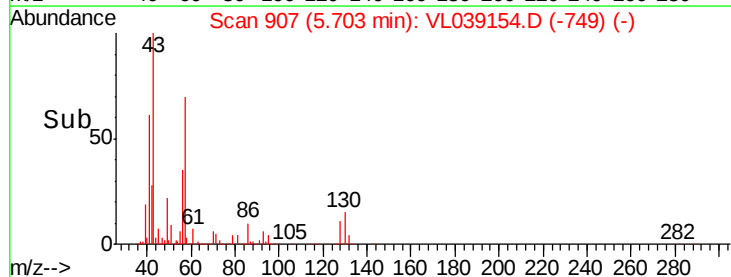
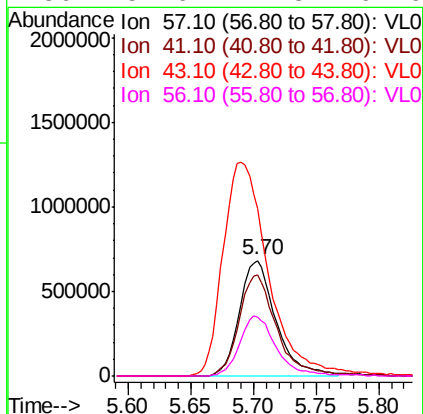
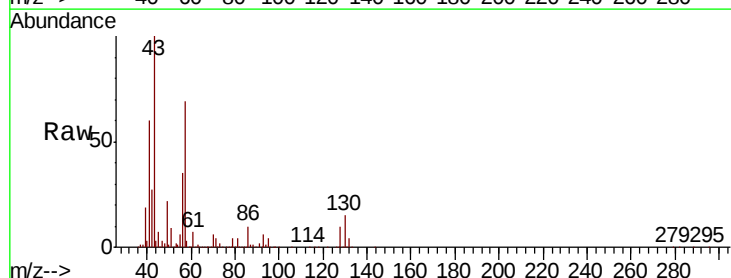
#25
Ethyl Acetate
Concen: 10.144 ppbv
RT: 5.69 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Jun 2022 15:10

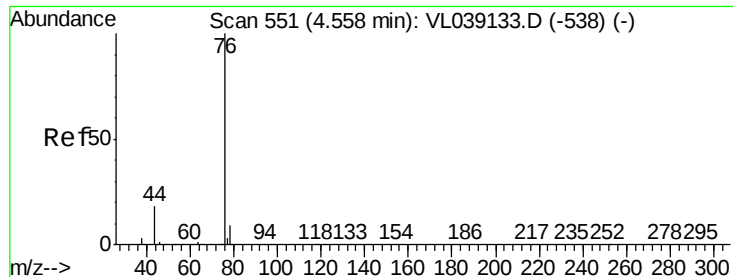
Tot Ion:	43	Resp:	3149679
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.2
61	10.0	8.4	12.6
70	6.9	5.6	8.4



#26
Hexane
Concen: 10.149 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.01 min
Lab File: VL039154.D
Acq: 3 Jun 2022 15:10

Tgt Ion:	57	Resp:	1384892
Ion	Ratio	Lower	Upper
57	100		
41	90.9	72.4	108.6
43	230.0	187.0	280.6
56	52.6	41.8	62.6





#27

Carbon Disulfide

Concen: 9.985 ppbv

RT: 4.56 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDCCC010

Acq: 3 Jun 2022 15:10

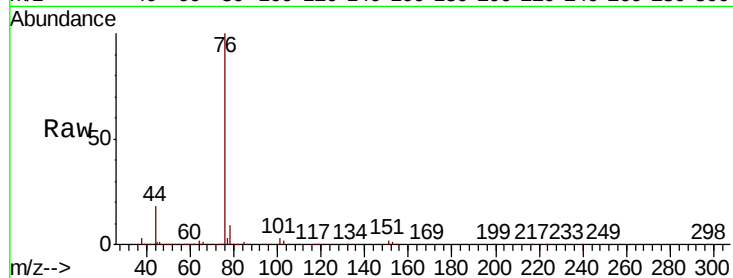
Tot Ion: 76 Resp: 1412084

Ion Ratio Lower Upper

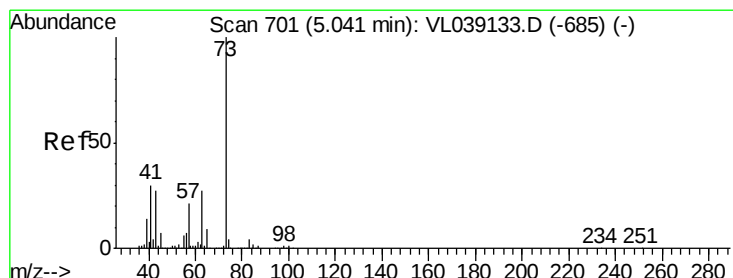
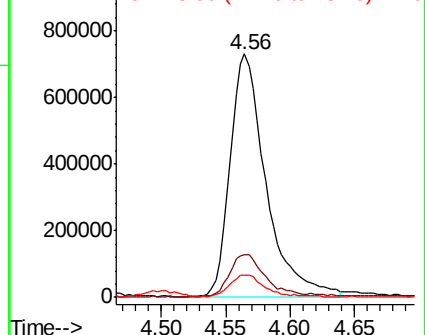
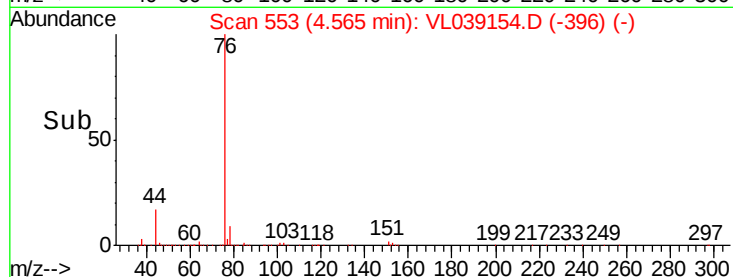
76 100

44 18.8 14.4 21.6

78 9.5 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: 8.017 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.01 min

Lab File: VL039154.D

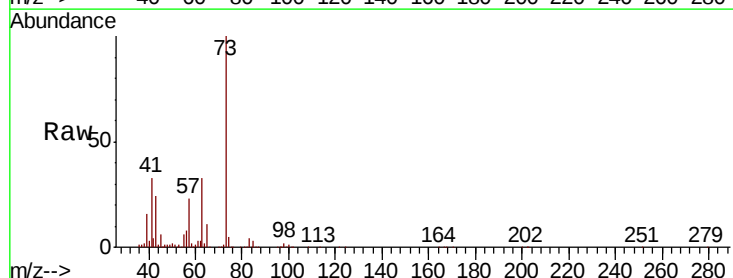
Acq: 3 Jun 2022 15:10

Tgt Ion: 73 Resp: 1207686

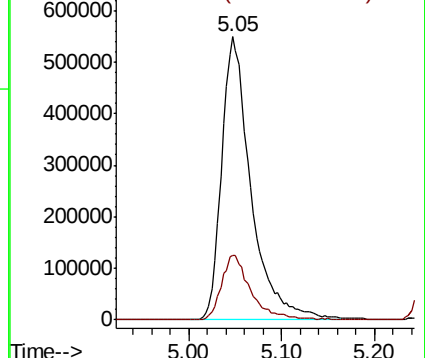
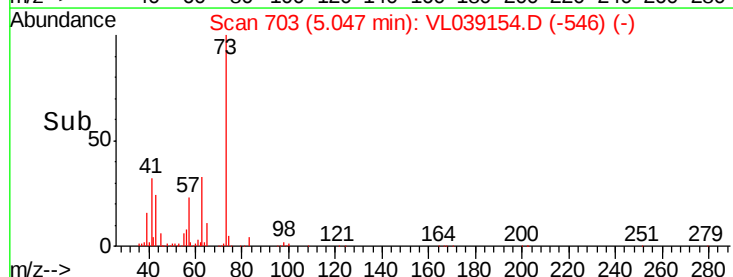
Ion Ratio Lower Upper

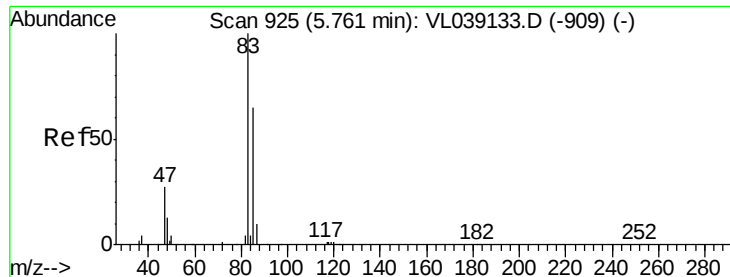
73 100

57 23.3 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: 9.927 ppbv

RT: 5.77 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

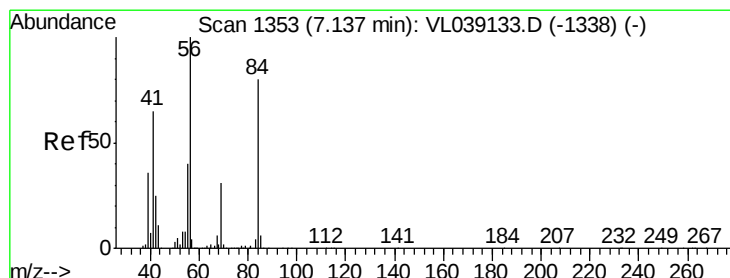
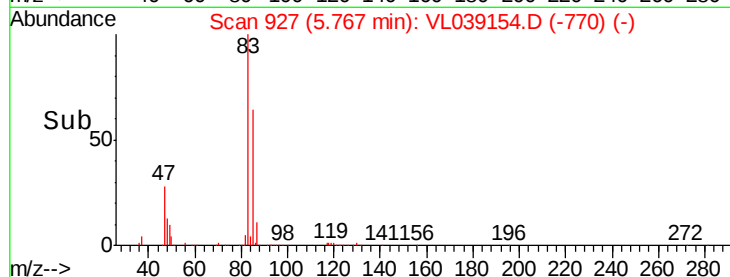
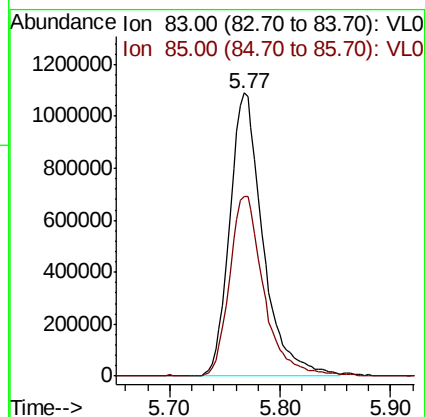
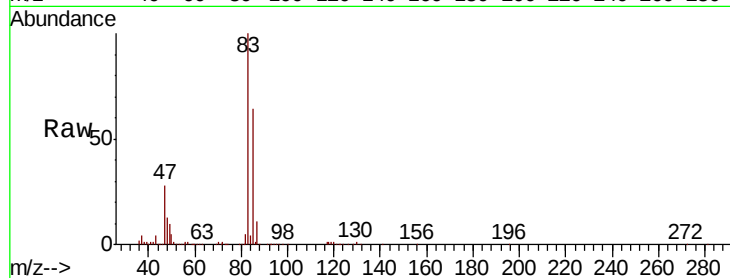
Acq: 3 Jun 2022 15:10 VSTDCCC010

Tot Ion: 83 Resp: 2279238

Ion Ratio Lower Upper

83 100

85 63.6 52.4 78.6



#30

Cyclohexane

Concen: 10.190 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. 0.01 min

Lab File: VL039154.D

Acq: 3 Jun 2022 15:10

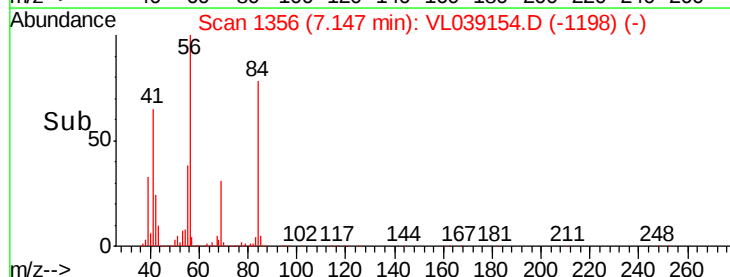
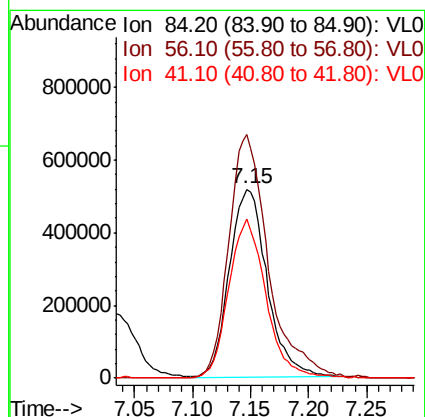
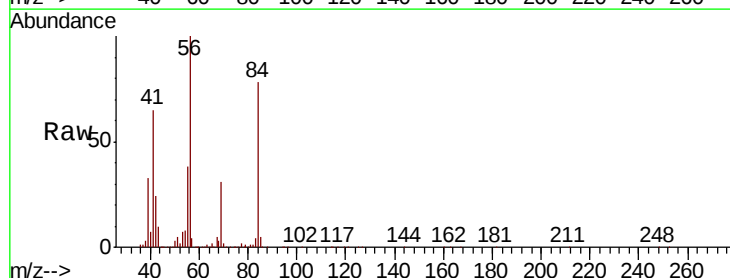
Tgt Ion: 84 Resp: 1168096

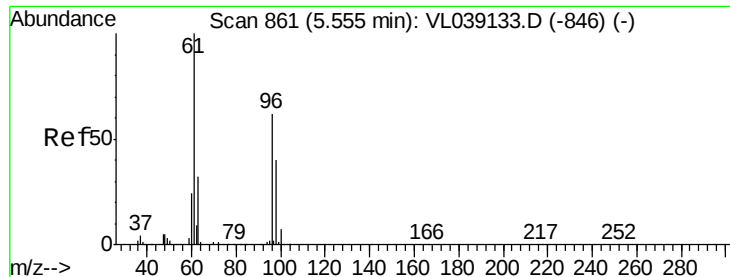
Ion Ratio Lower Upper

84 100

56 136.9 110.6 165.8

41 83.3 68.9 103.3





#31

cis-1,2-Dichloroethene

Concen: 10.359 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Jun 2022 15:10 VSTDCCC010

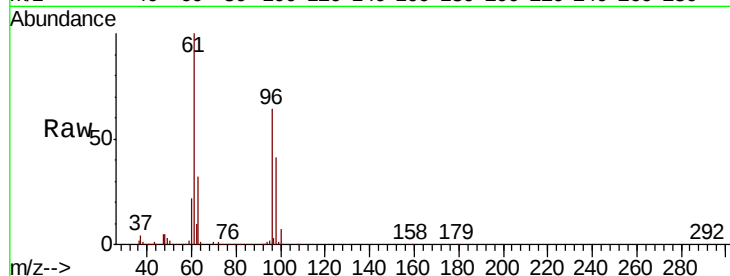
Tot Ion: 61 Resp: 1441200

Ion Ratio Lower Upper

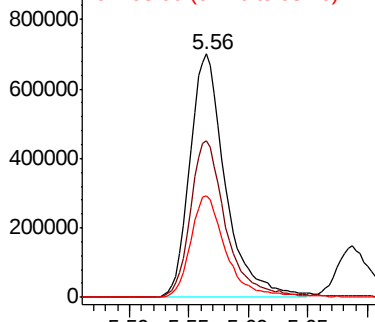
61 100

96 64.3 49.9 74.9

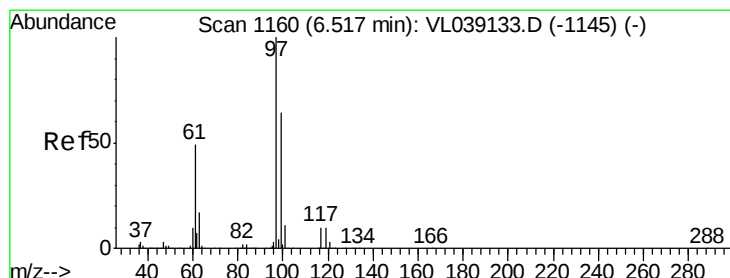
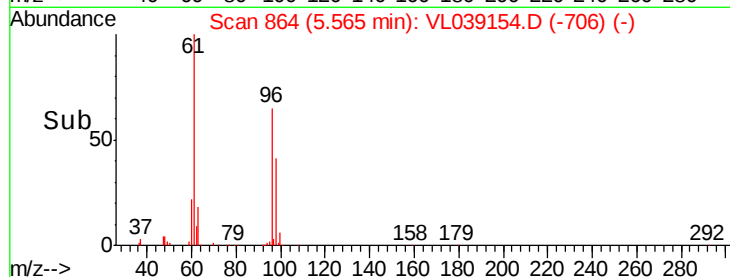
98 41.4 32.0 48.0



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



Time-->



#32

1,1,1-Trichloroethane

Concen: 10.206 ppbv

RT: 6.53 min Scan# 1163

Delta R.T. 0.01 min

Lab File: VL039154.D

Acq: 3 Jun 2022 15:10

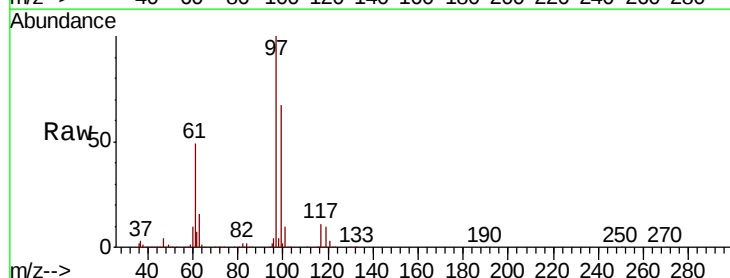
Tgt Ion: 97 Resp: 2293046

Ion Ratio Lower Upper

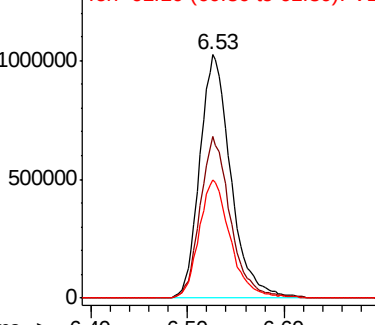
97 100

99 65.0 52.1 78.1

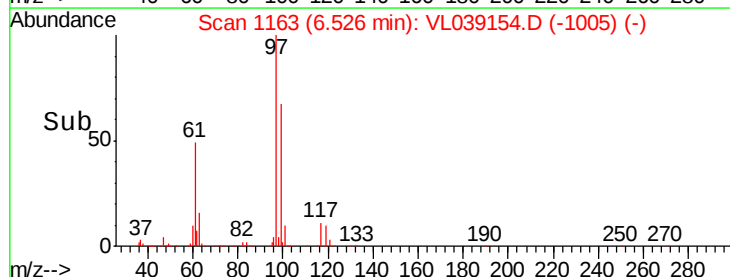
61 49.1 40.0 60.0

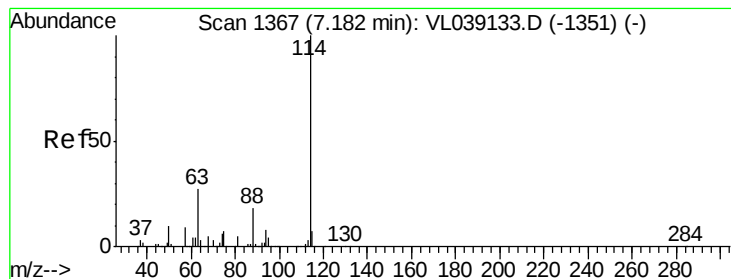


Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



Time-->





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 3 Jun 2022 15:10 VSTDCCC010

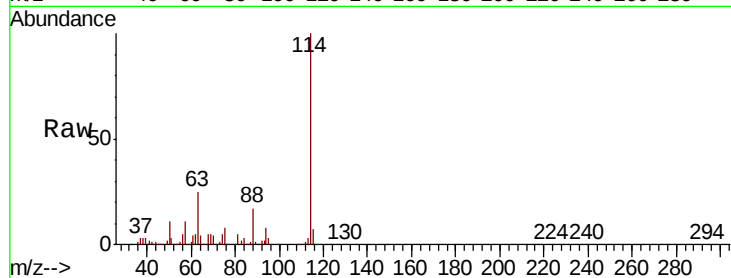
Tot Ion:114 Resp: 3419537

Ion Ratio Lower Upper

114 100

63 26.3 21.7 32.5

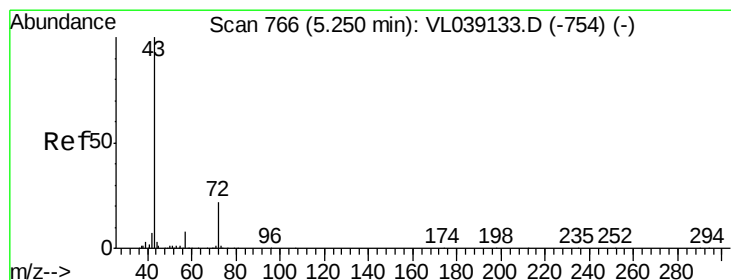
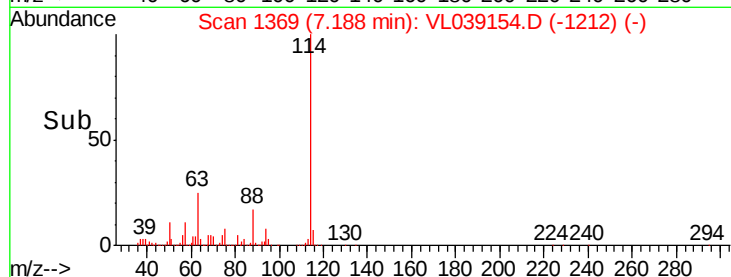
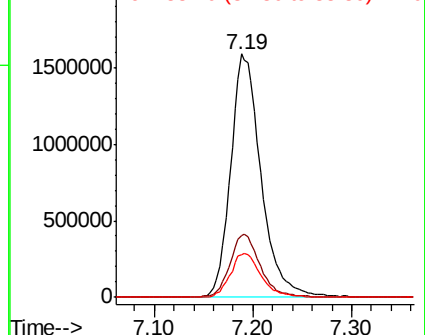
88 18.5 14.8 22.2



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 10.420 ppbv

RT: 5.26 min Scan# 768

Delta R.T. 0.01 min

Lab File: VL039154.D

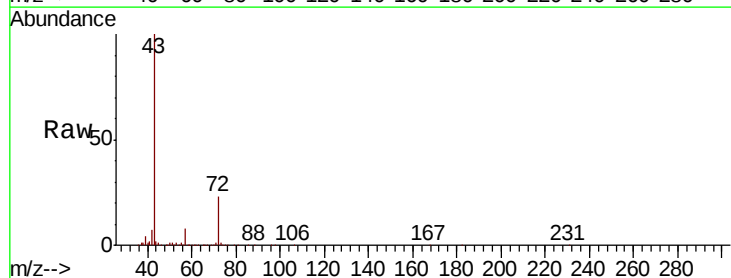
Acq: 3 Jun 2022 15:10

Tgt Ion: 43 Resp: 1935774

Ion Ratio Lower Upper

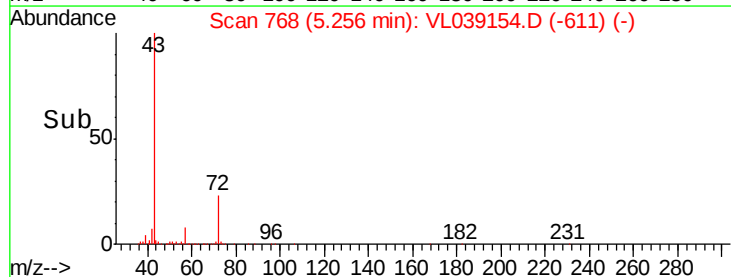
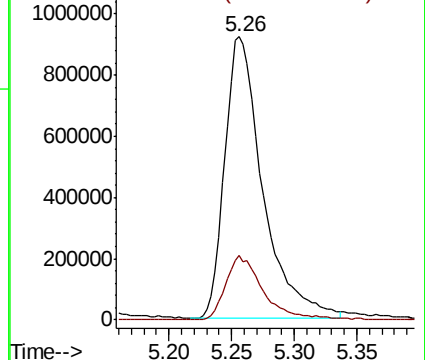
43 100

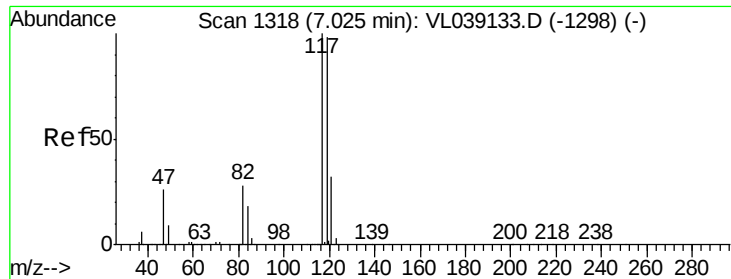
72 23.0 18.2 27.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

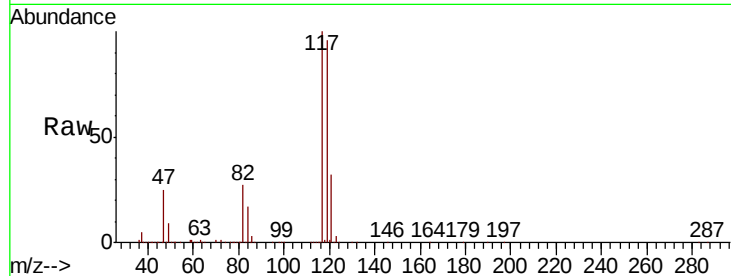
Ion 72.10 (71.80 to 72.80): VL0



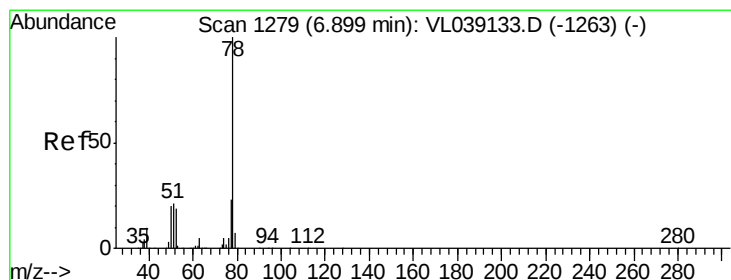
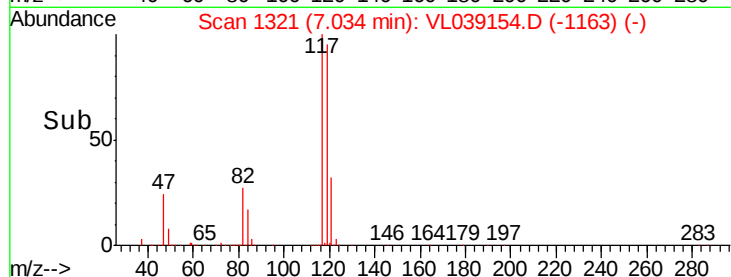
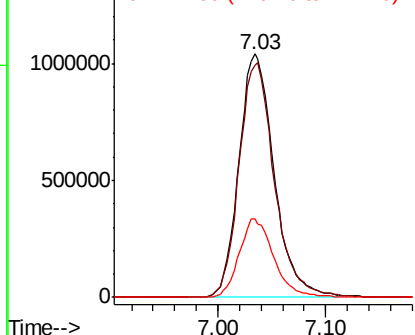


#35
 Carbon Tetrachloride
 Concen: 9.477 ppbv
 RT: 7.03
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 3 Jun 2022 15:10 VSTDCCC010

Tot Ion:117 Resp: 2365404
 Ion Ratio Lower Upper
 117 100
 119 95.5 78.6 118.0
 121 32.0 25.4 38.0

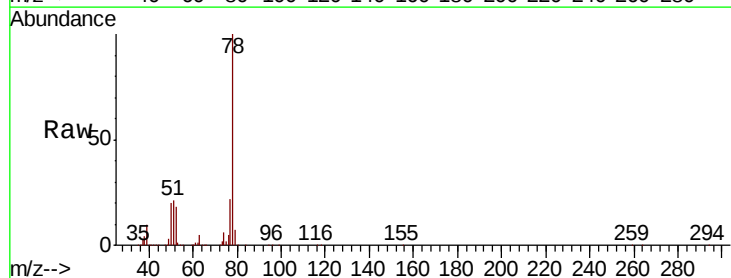


Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V
 Ion 121.00 (120.70 to 121.70): V

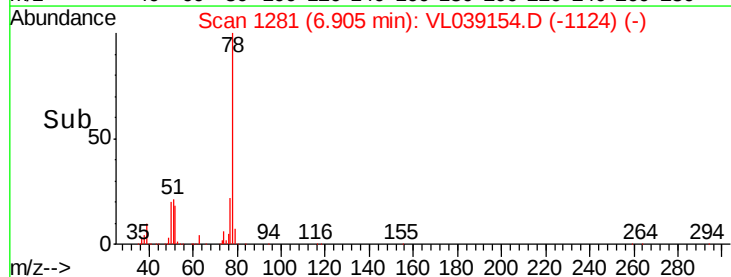
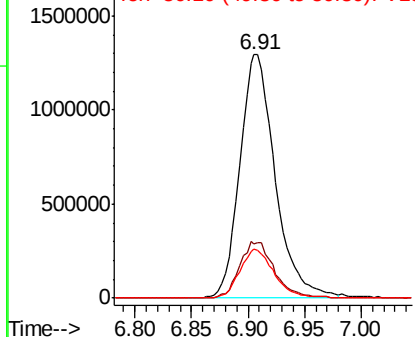


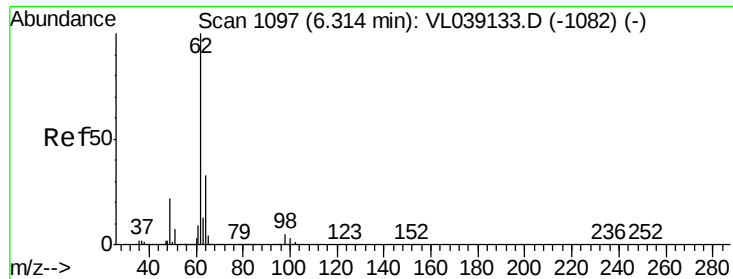
#36
 Benzene
 Concen: 10.137 ppbv
 RT: 6.91 min Scan# 1281
 Delta R.T. 0.01 min
 Lab File: VL039154.D
 Acq: 3 Jun 2022 15:10

Tgt Ion: 78 Resp: 2814181
 Ion Ratio Lower Upper
 78 100
 77 22.4 18.6 27.8
 50 20.0 15.8 23.8



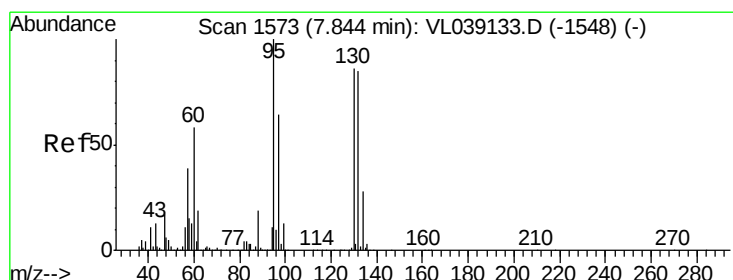
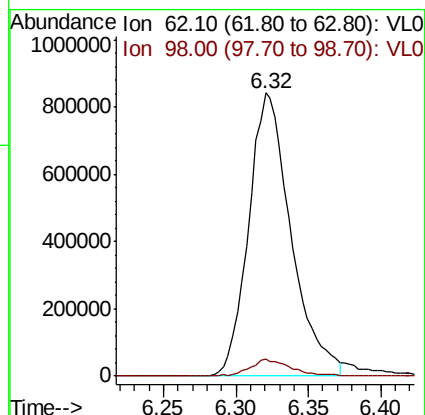
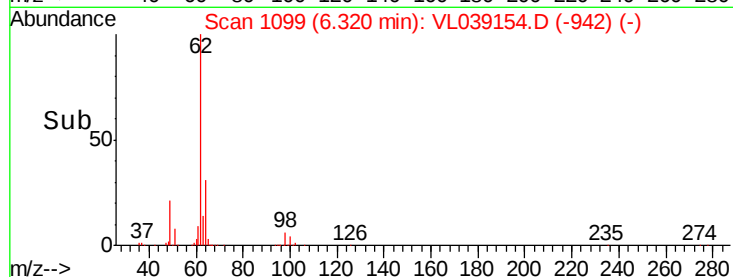
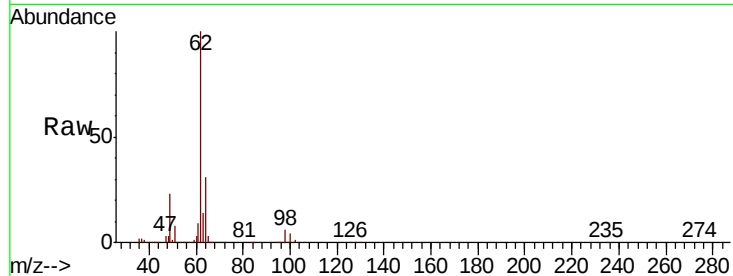
Abundance Ion 78.10 (77.80 to 78.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0
 Ion 50.10 (49.80 to 50.80): VL0





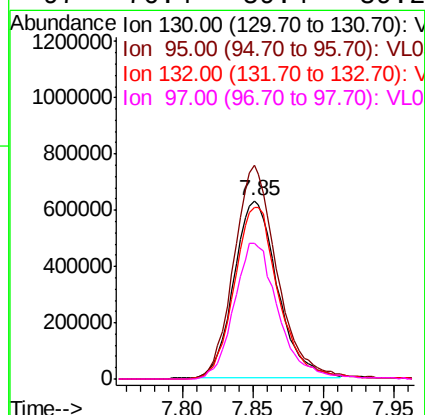
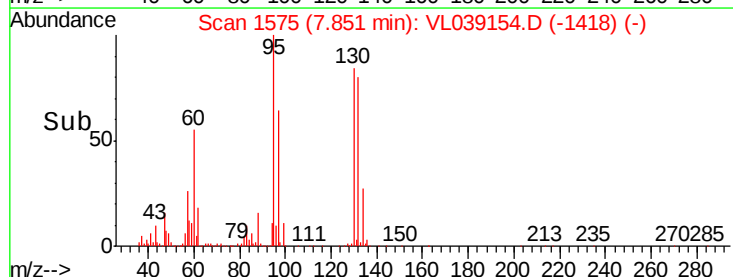
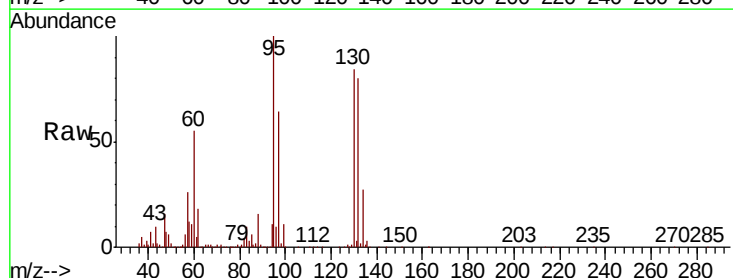
#37
 1,2-Dichloroethane
 Concen: 9.400 ppbv
 RT: 6.32
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 3 Jun 2022 15:10

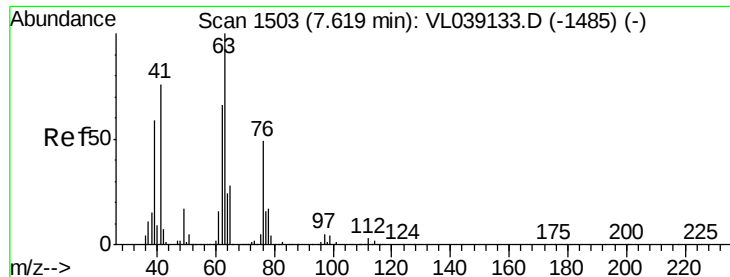
Tot Ion: 62 Resp: 1717415
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.3 6.5



#38
 Trichloroethene
 Concen: 10.644 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: VL039154.D
 Acq: 3 Jun 2022 15:10

Tgt Ion: 130 Resp: 1357301
 Ion Ratio Lower Upper
 130 100
 95 120.1 93.3 139.9
 132 96.7 79.0 118.4
 97 76.4 59.4 89.2





#39

1,2-Dichloropropane

Concen: 10.030 ppbv

RT: 7.63 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 3 Jun 2022 15:10 VSTDCCC010

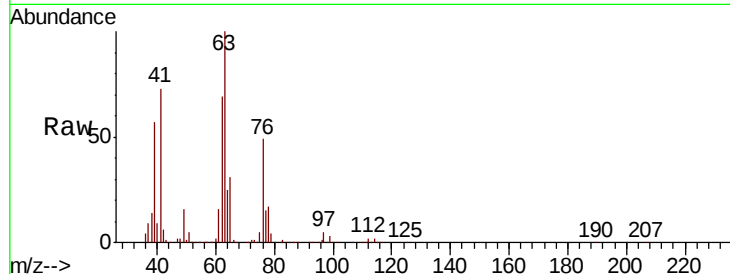
Tot Ion: 63 Resp: 1107601

Ion Ratio Lower Upper

63 100

41 73.4 60.8 91.2

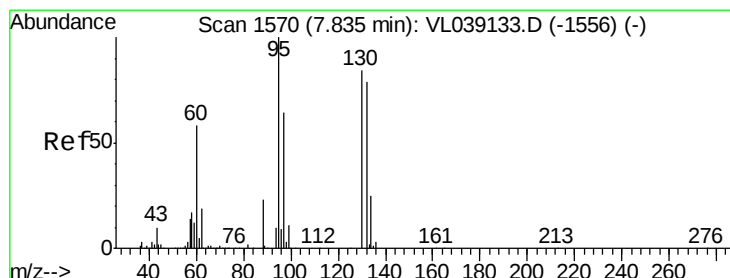
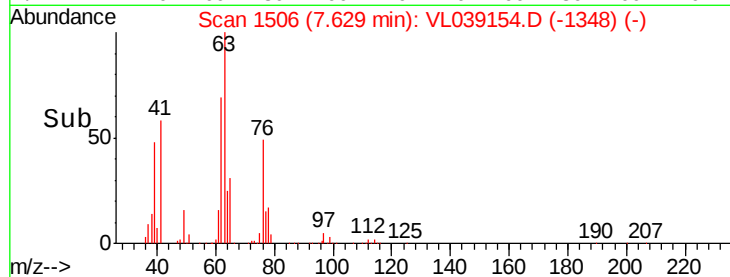
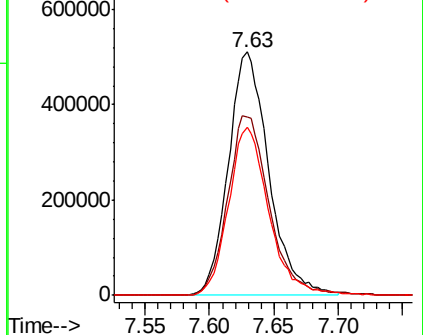
62 69.0 52.9 79.3



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: 4.635 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VL039154.D

Acq: 3 Jun 2022 15:10

Tgt Ion: 88 Resp: 168492

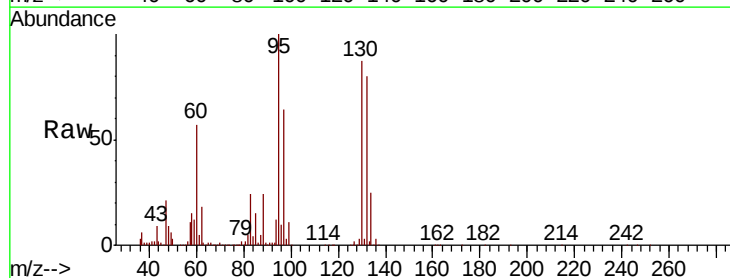
Ion Ratio Lower Upper

88 100

58 282.7 111.2 166.8#

43 634.9 234.2 351.4#

57 2842.5 1039.9 1559.9#

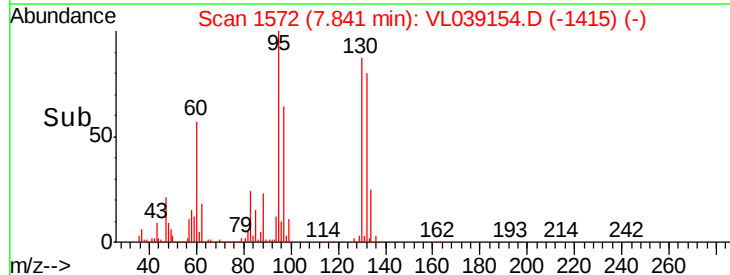
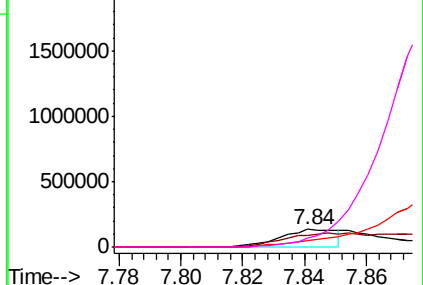


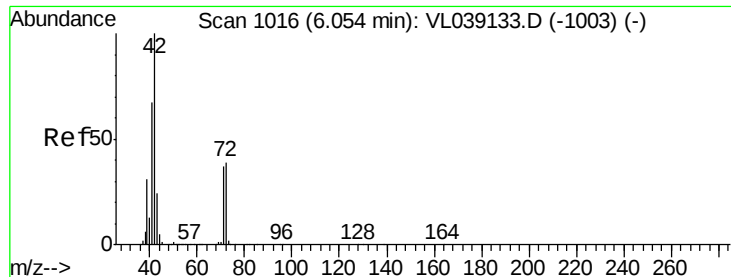
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 10.302 ppbv

RT: 6.06 Instrument: MSVOA_1

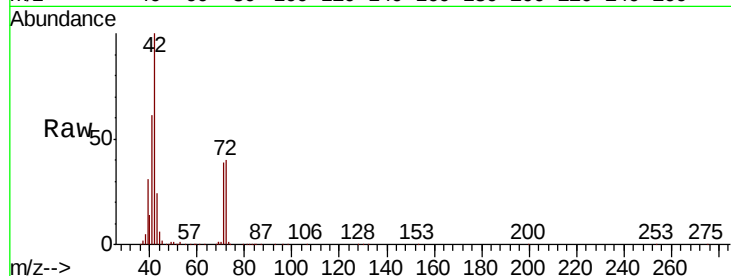
Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDCCC010

Acq: 3 Jun 2022 15:10

Tot Ion: 42 Resp: 1151036

Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.0	48.0
71	38.5	31.1	46.7

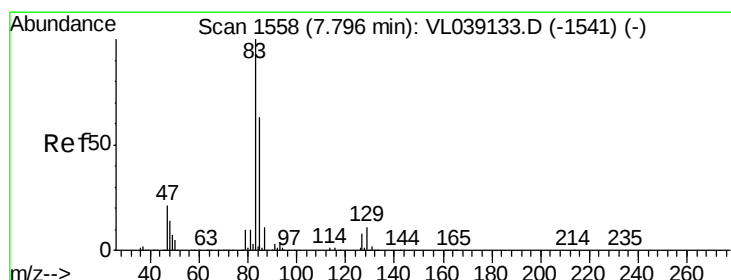
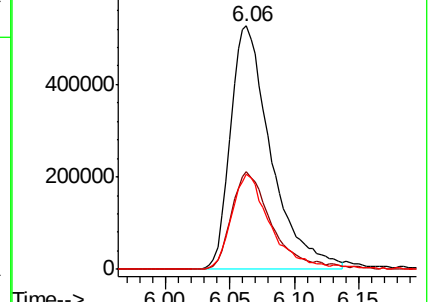
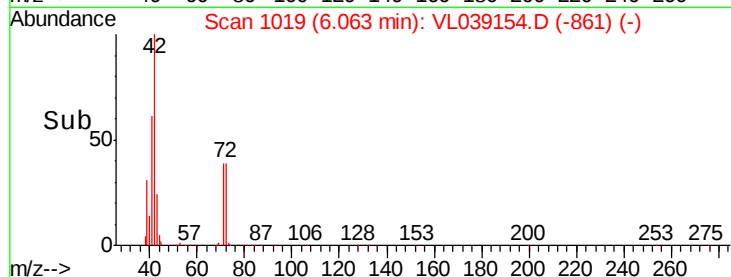


Abundance

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: 9.959 ppbv

RT: 7.81 min Scan# 1561

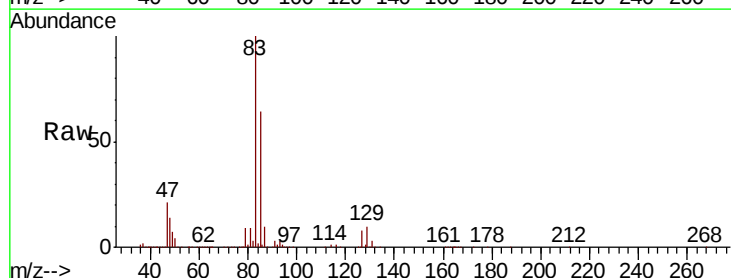
Delta R.T. 0.01 min

Lab File: VL039154.D

Acq: 3 Jun 2022 15:10

Tgt Ion: 83 Resp: 2525246

Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.2	75.4
127	8.1	6.6	9.8

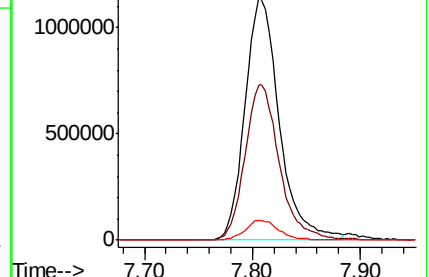
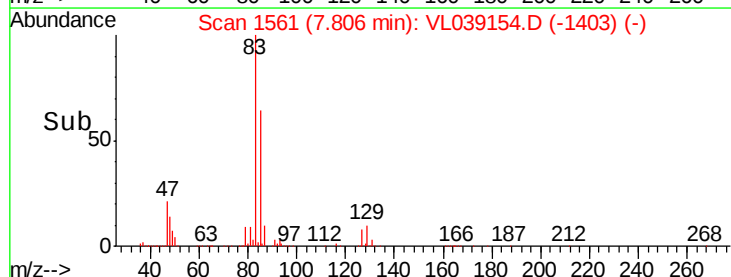


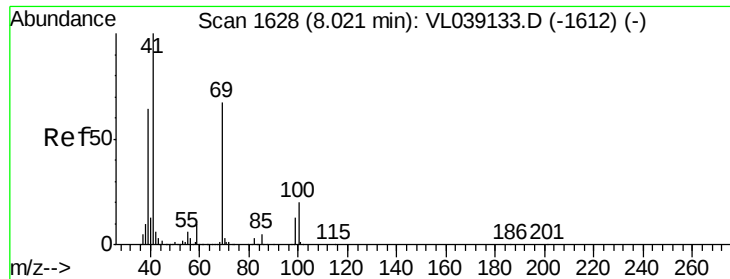
Abundance

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 10.815 ppbv

RT: 8.02

Instrument: MSVOA_1

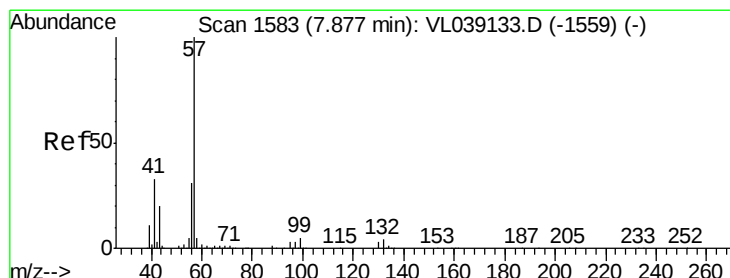
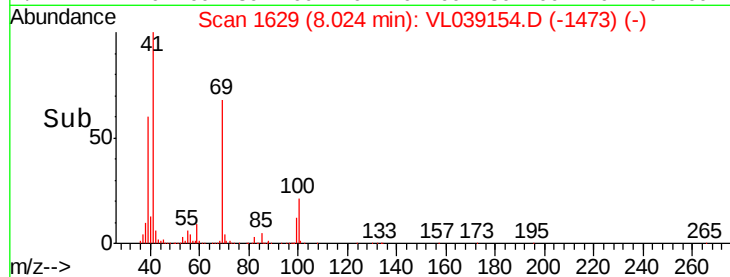
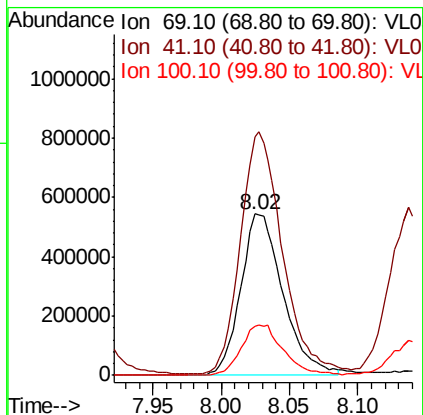
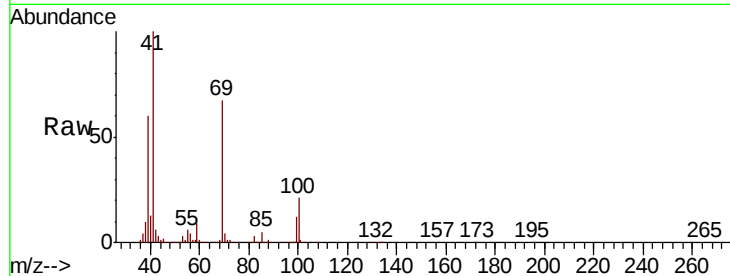
Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 3 Jun 2022 15:10

Tot Ion: 69 Resp: 1169537

Ion	Ratio	Lower	Upper
69	100		
41	150.5	121.9	182.9
100	31.4	24.1	36.1



#44

2,2,4-Trimethylpentane

Concen: 9.810 ppbv

RT: 7.88 min Scan# 1585

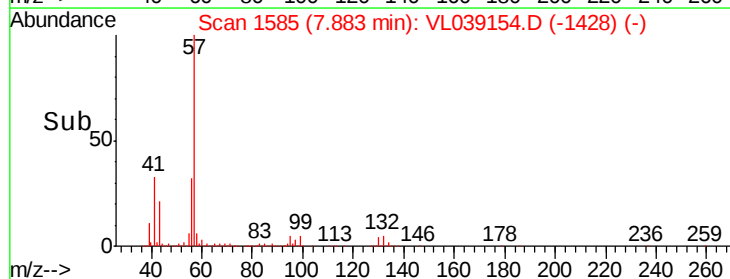
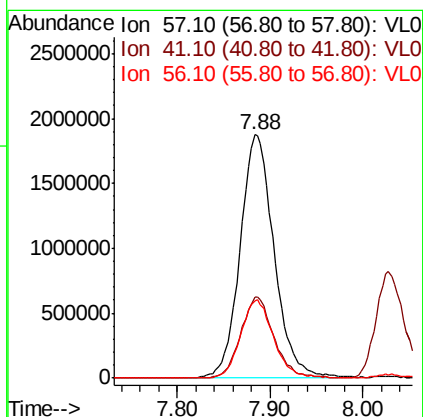
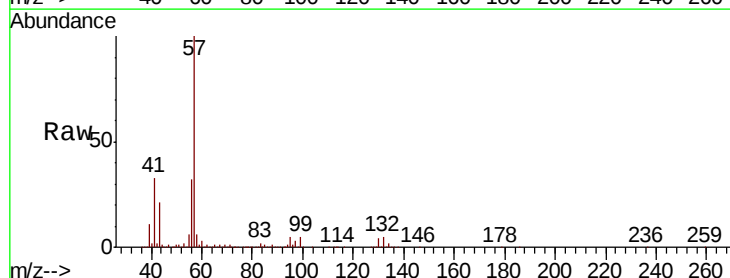
Delta R.T. 0.01 min

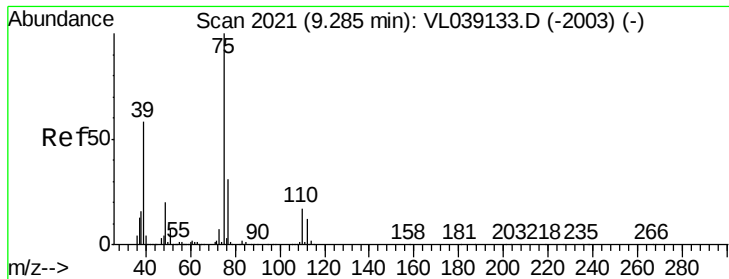
Lab File: VL039154.D

Acq: 3 Jun 2022 15:10

Tgt Ion: 57 Resp: 4764343

Ion	Ratio	Lower	Upper
57	100		
41	32.3	26.2	39.4
56	31.3	24.7	37.1





#45

t-1,3-Dichloropropene

Concen: 11.667 ppbv

RT: 9.29 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VSTDCCC010

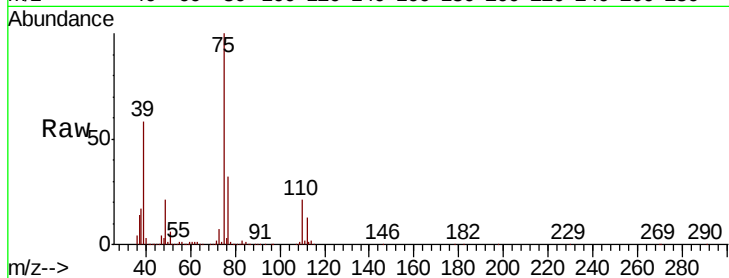
Acq: 3 Jun 2022 15:10

Tot Ion: 75 Resp: 1313972

Ion Ratio Lower Upper

75 100

77 32.1 24.4 36.6



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

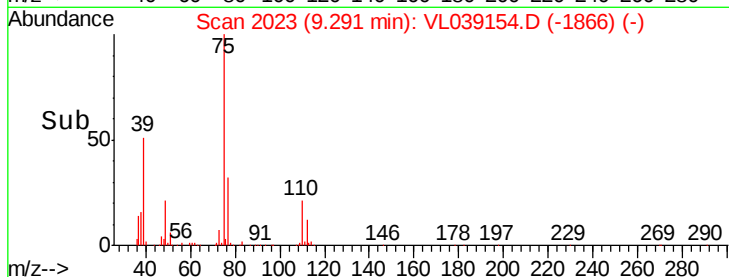
600000

400000

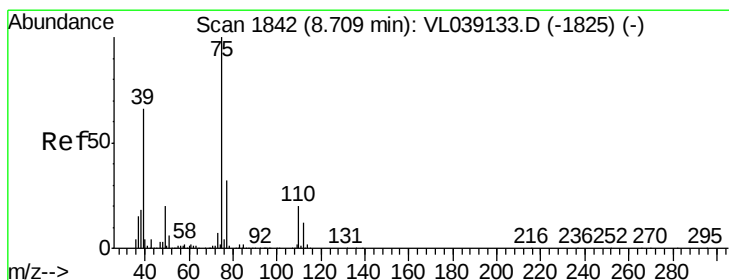
200000

0

9.20 9.25 9.30 9.35



Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.080 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VL039154.D

Acq: 3 Jun 2022 15:10

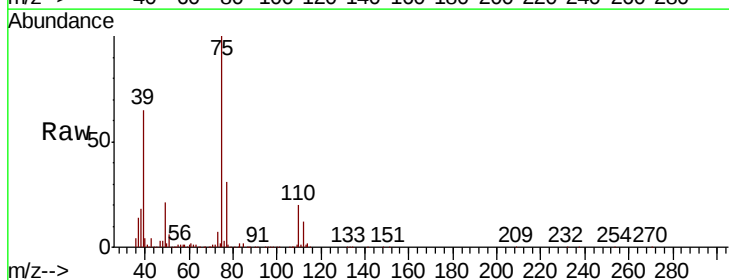
Tgt Ion: 75 Resp: 1648455

Ion Ratio Lower Upper

75 100

39 65.2 52.4 78.6

77 31.1 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

1000000

800000

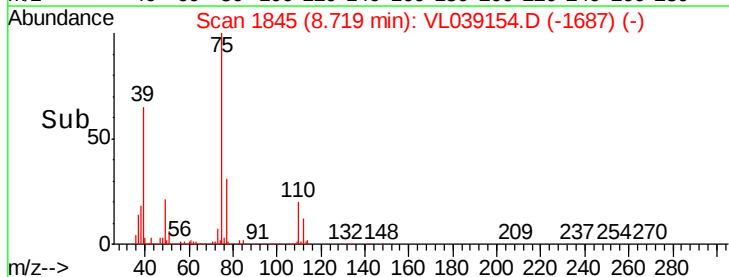
600000

400000

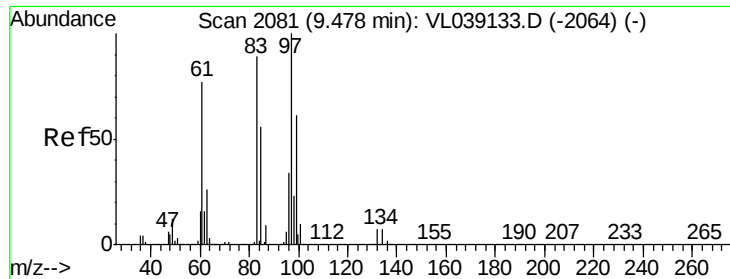
200000

0

8.60 8.70 8.80



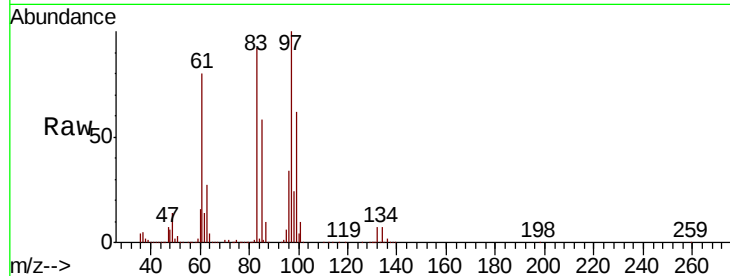
Time-->



#47
 1,1,2-Trichloroethane
 Concen: 10.184 ppbv
 RT: 9.49
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 3 Jun 2022 15:10

Tot Ion: 97 Resp: 1173263

Ion	Ratio	Lower	Upper
97	100		
83	92.3	71.6	107.4
85	58.1	44.8	67.2
99	62.2	49.0	73.4



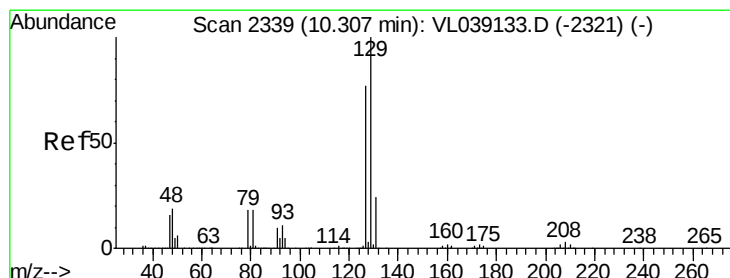
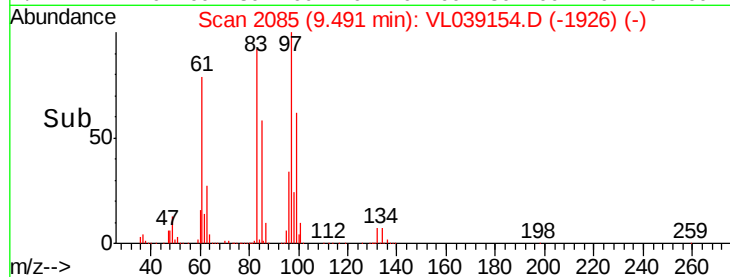
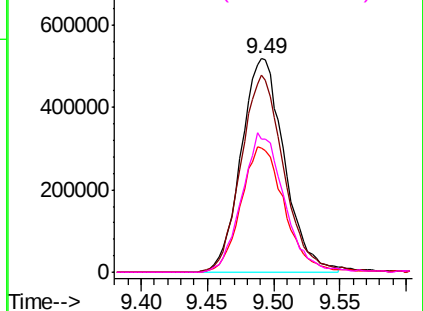
Abundance

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

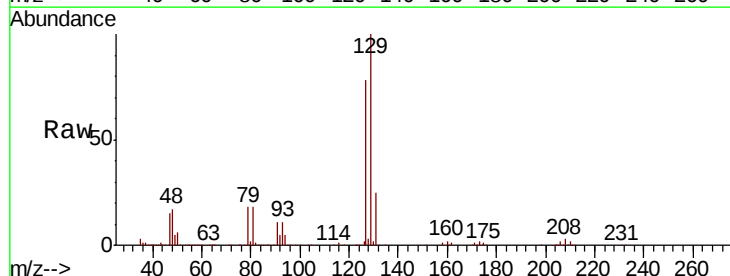
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.353 ppbv
 RT: 10.32 min Scan# 2343
 Delta R.T. 0.01 min
 Lab File: VL039154.D
 Acq: 3 Jun 2022 15:10

Tgt Ion: 129 Resp: 2129596

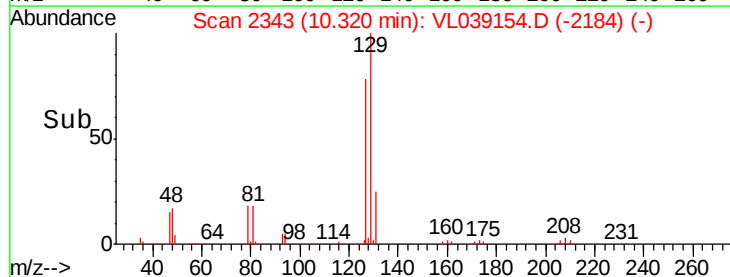
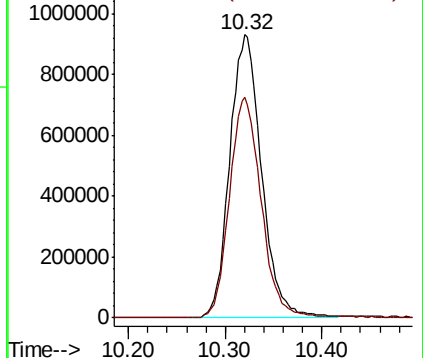
Ion	Ratio	Lower	Upper
129	100		
127	78.2	40.0	119.9

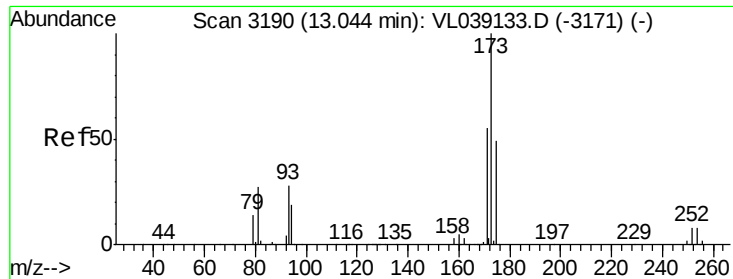


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.050 ppbv

RT: 13.06

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 3 Jun 2022 15:10

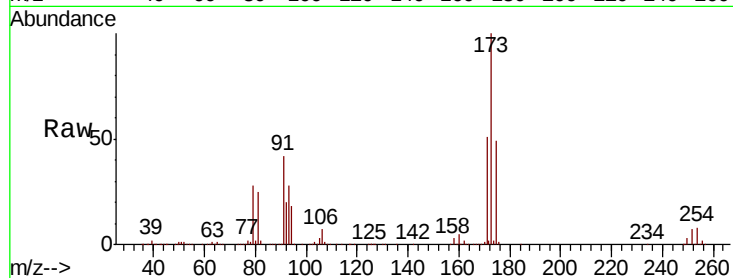
Tot Ion:173 Resp: 1722865

Ion Ratio Lower Upper

173 100

175 49.3 40.2 60.2

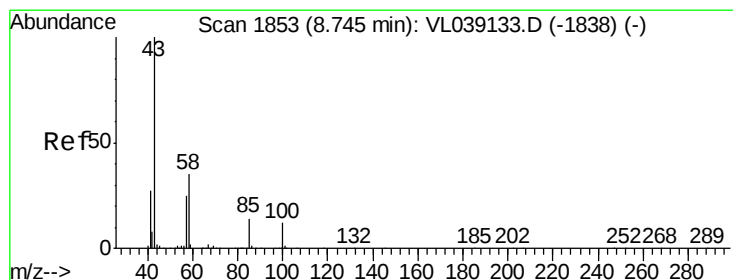
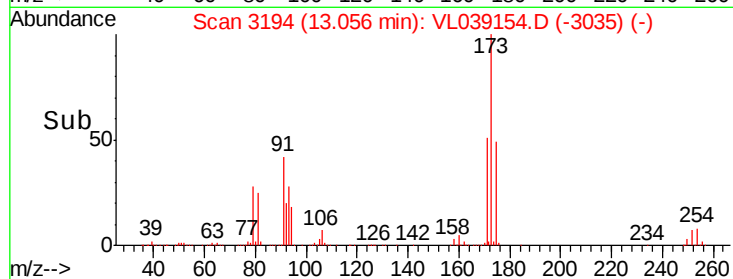
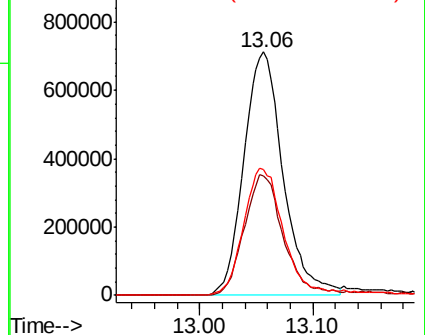
171 54.5 43.9 65.9



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: 10.486 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VL039154.D

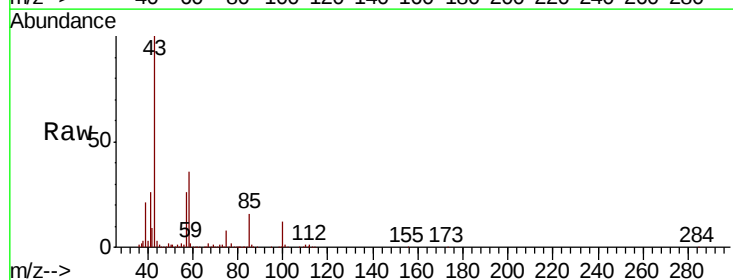
Acq: 3 Jun 2022 15:10

Tgt Ion: 43 Resp: 2915868

Ion Ratio Lower Upper

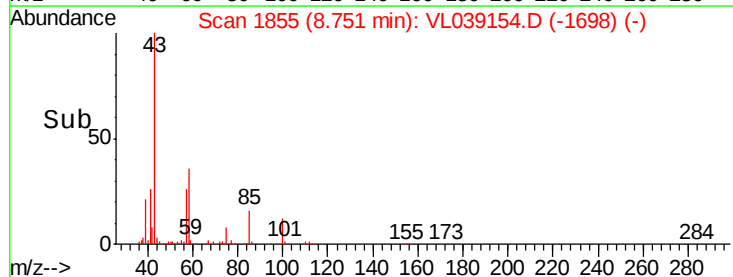
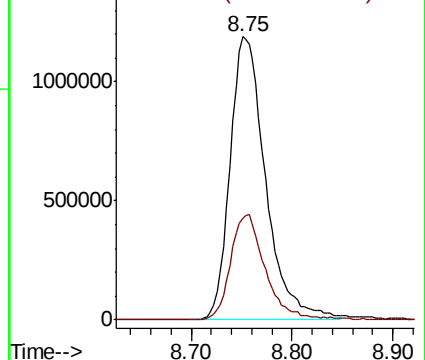
43 100

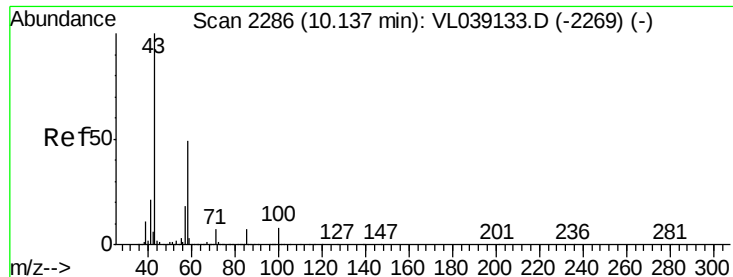
58 36.7 28.7 43.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

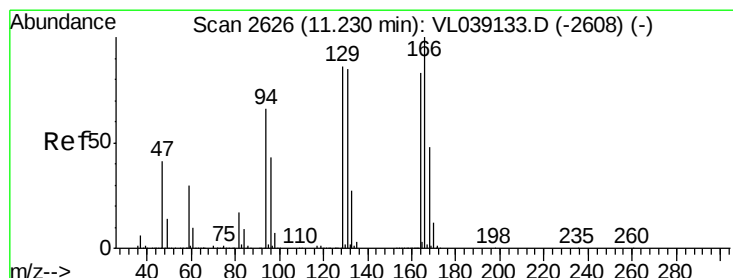
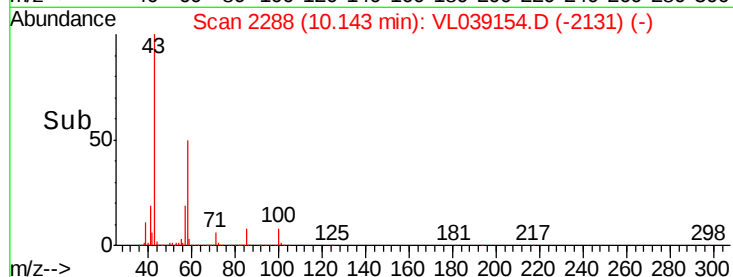
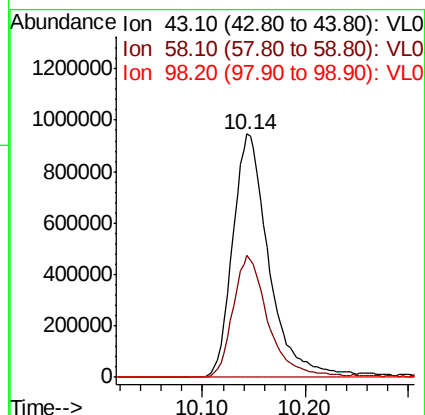
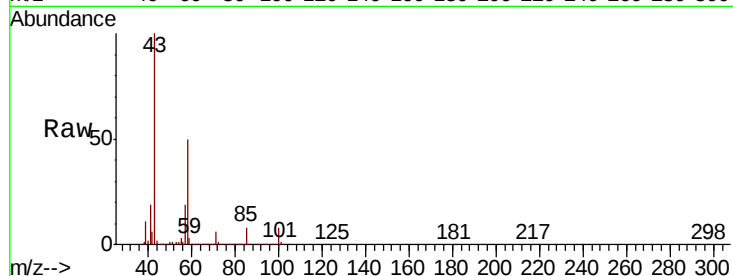
Ion 58.10 (57.80 to 58.80): VL0





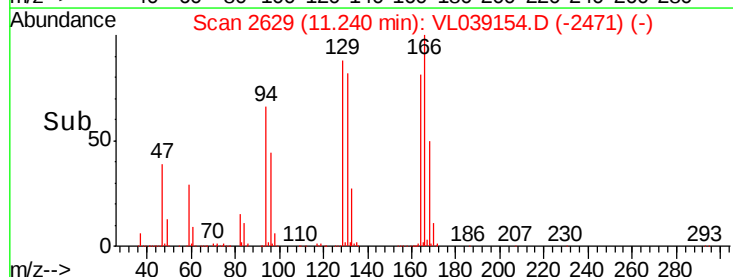
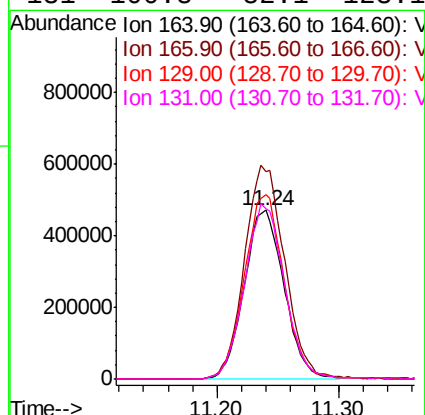
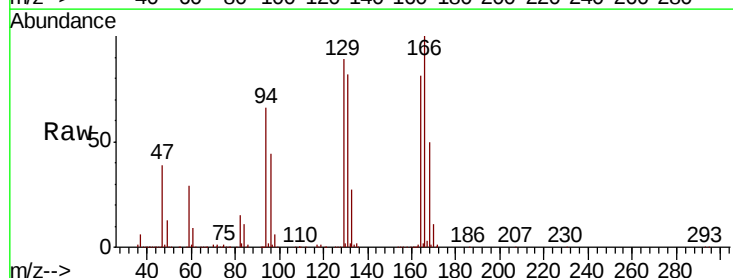
#51
2-Hexanone
Concen: 10.609 ppbv
RT: 10.14
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Jun 2022 15:10

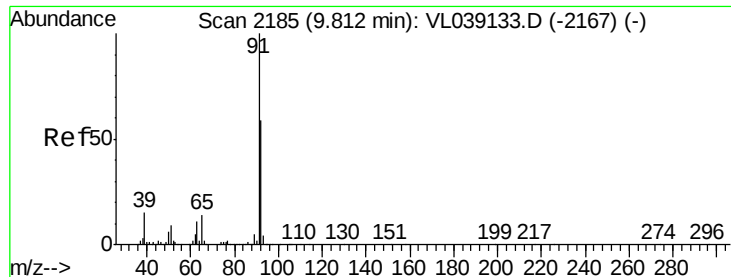
Tot Ion: 43 Resp: 2295556
Ion Ratio Lower Upper
43 100
58 50.2 40.0 60.0
98 0.2 0.1 0.1#



#52
Tetrachloroethene
Concen: 9.777 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. 0.01 min
Lab File: VL039154.D
Acq: 3 Jun 2022 15:10

Tgt Ion:164 Resp: 1059716
Ion Ratio Lower Upper
164 100
166 123.1 96.3 144.5
129 109.2 82.5 123.7
131 100.8 82.1 123.1





#53

Toluene

Concen: 10.473 ppbv

RT: 9.82 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

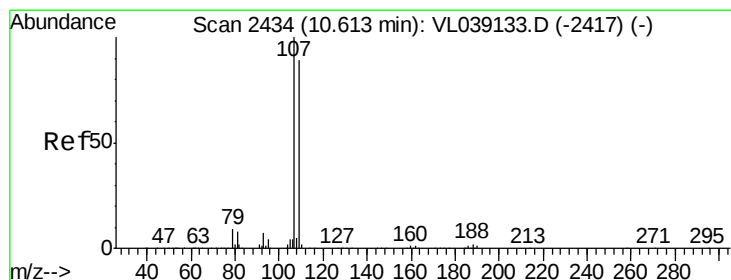
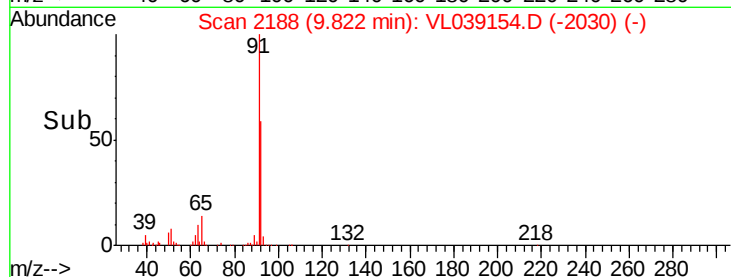
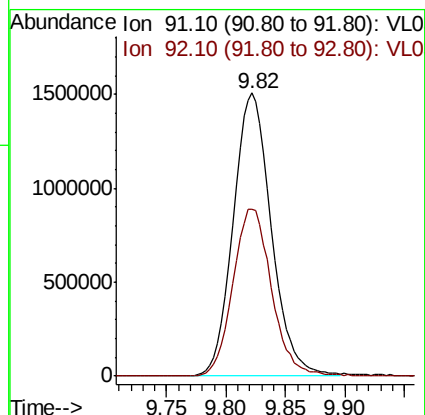
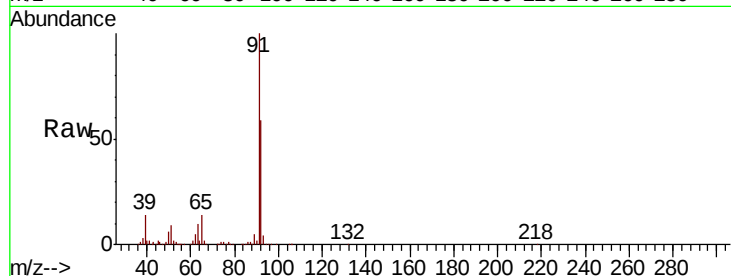
Acq: 3 Jun 2022 15:10 VSTDCCC010

Tot Ion: 91 Resp: 3347809

Ion Ratio Lower Upper

91 100

92 60.4 48.1 72.1



#54

1,2-Dibromoethane

Concen: 10.768 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. 0.01 min

Lab File: VL039154.D

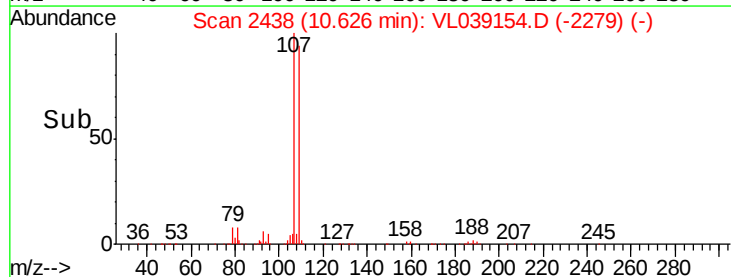
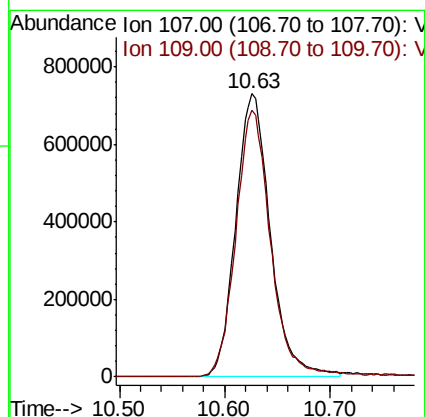
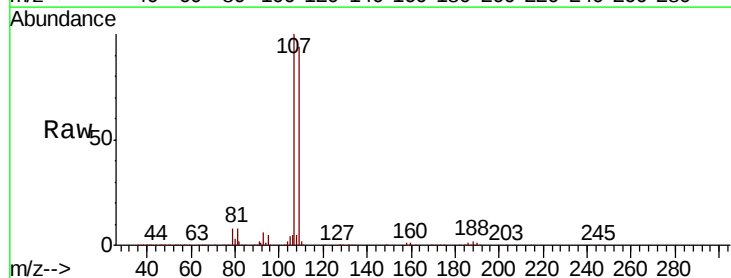
Acq: 3 Jun 2022 15:10

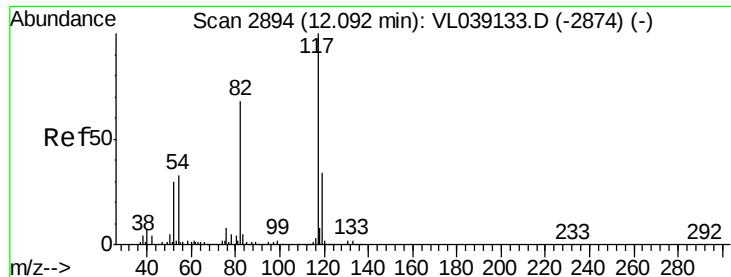
Tgt Ion: 107 Resp: 1666903

Ion Ratio Lower Upper

107 100

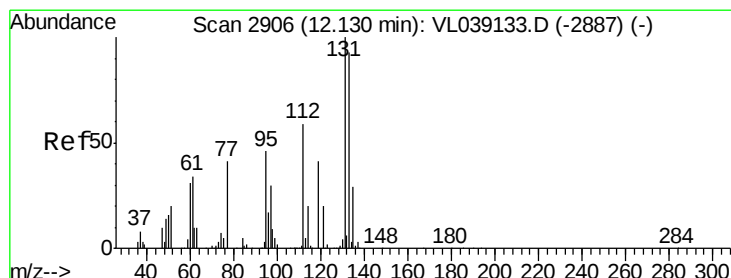
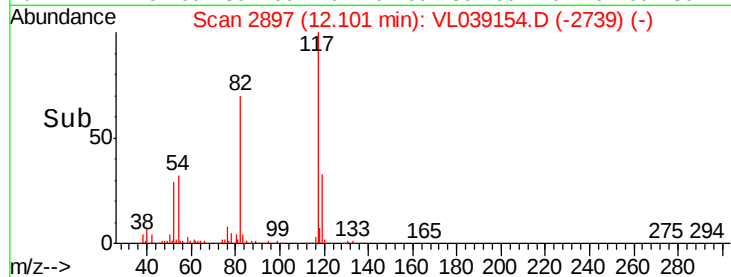
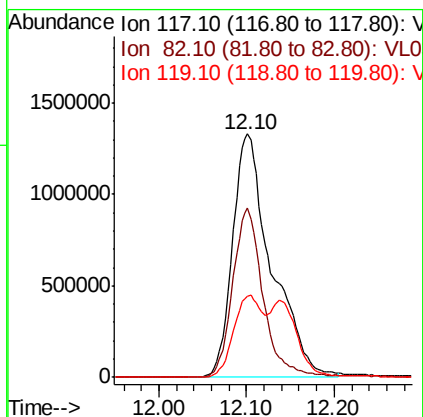
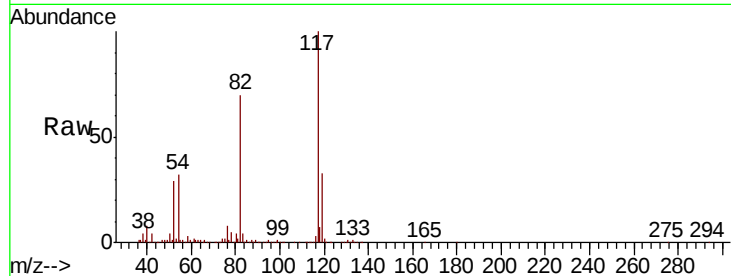
109 94.4 71.4 107.0





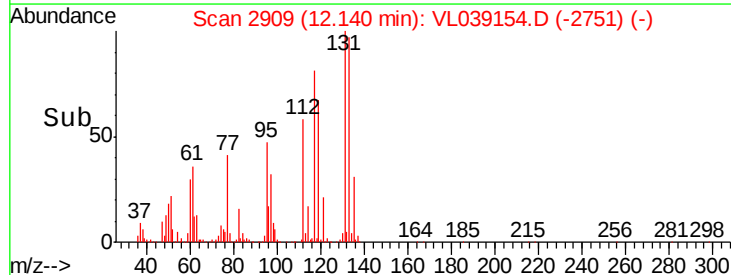
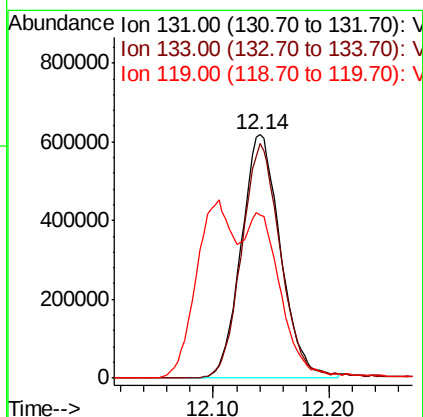
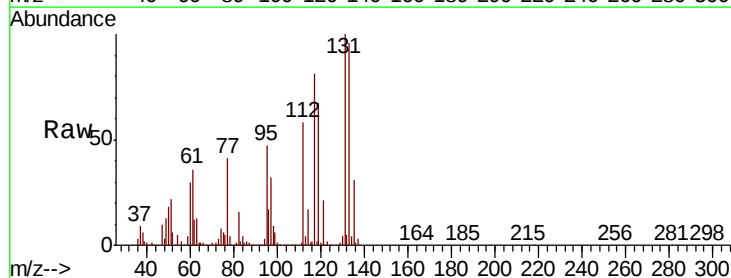
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 3 Jun 2022 15:10

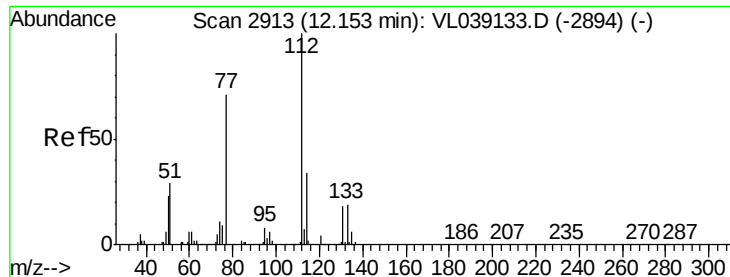
Tot Ion:117 Resp: 4096339
Ion Ratio Lower Upper
117 100
82 55.5 55.1 82.7
119 26.1 24.7 37.1



#56
1,1,1,2-Tetrachloroethane
Concen: 7.524 ppbv
RT: 12.14 min Scan# 2909
Delta R.T.: 0.01 min
Lab File: VL039154.D
Acq: 3 Jun 2022 15:10

Tgt Ion:131 Resp: 1458469
Ion Ratio Lower Upper
131 100
133 97.2 78.6 117.8
119 67.1 51.7 77.5





#57

Chlorobenzene

Concen: 8.019 ppbv

RT: 12.16

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Jun 2022 15:10

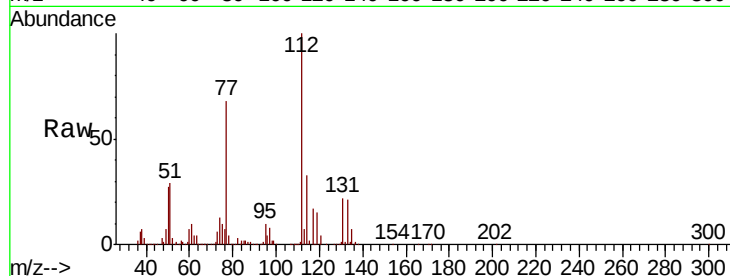
Tot Ion: 112 Resp: 2471594

Ion Ratio Lower Upper

112 100

77 66.5 56.5 84.7

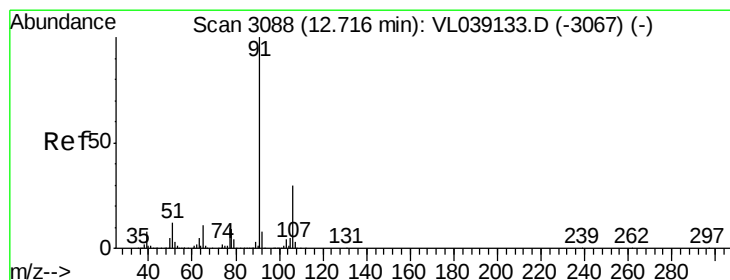
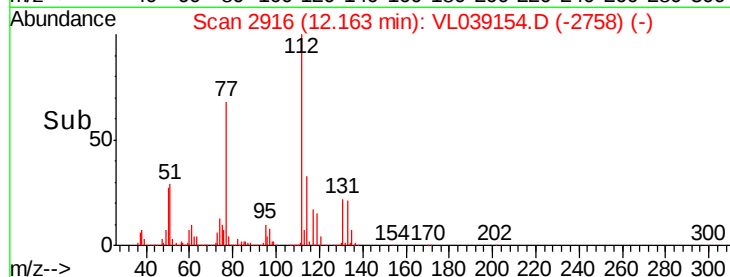
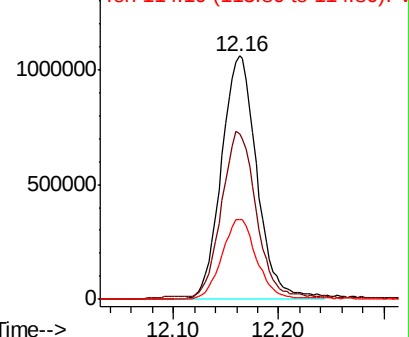
114 32.6 30.3 37.1



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: 8.008 ppbv

RT: 12.72 min Scan# 3090

Delta R.T. 0.01 min

Lab File: VL039154.D

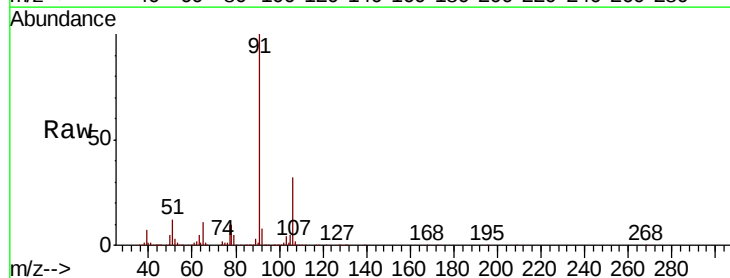
Acq: 3 Jun 2022 15:10

Tgt Ion: 91 Resp: 4518317

Ion Ratio Lower Upper

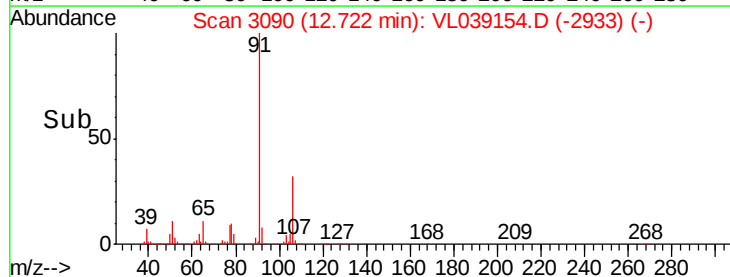
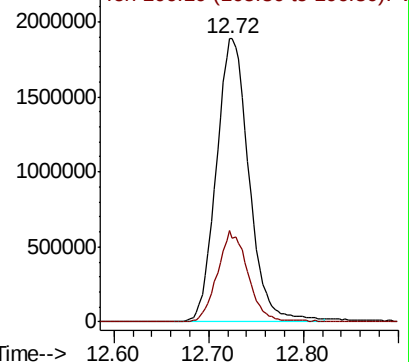
91 100

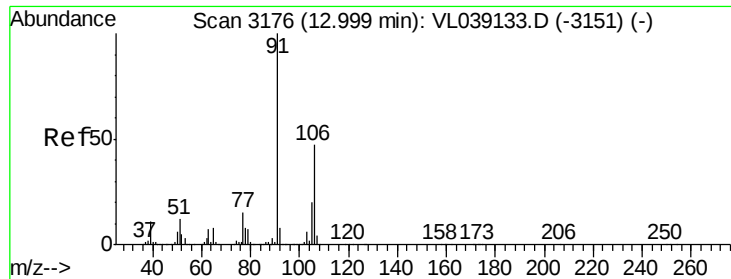
106 32.1 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

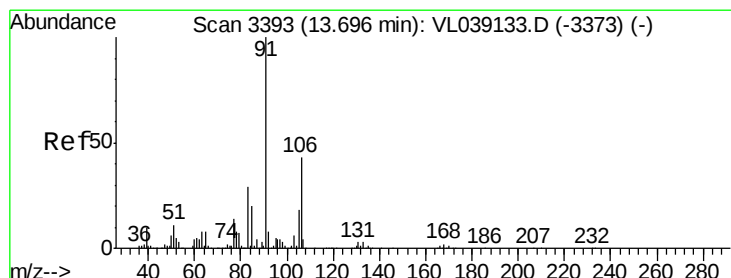
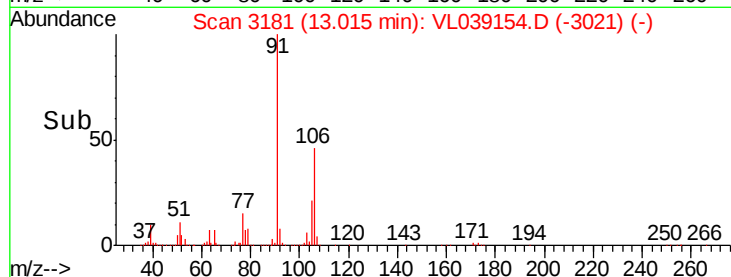
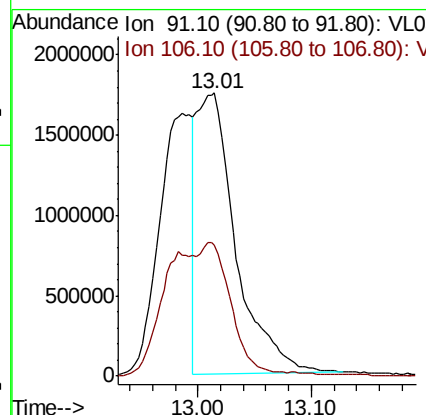
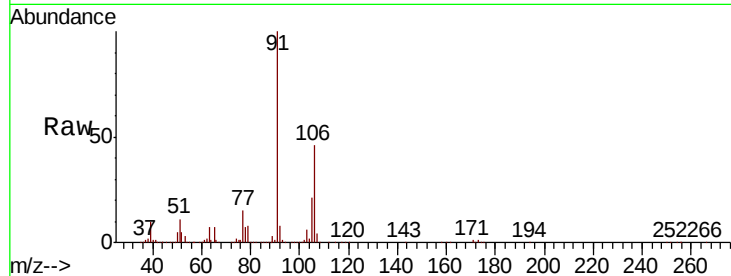
Ion 106.10 (105.80 to 106.80): V





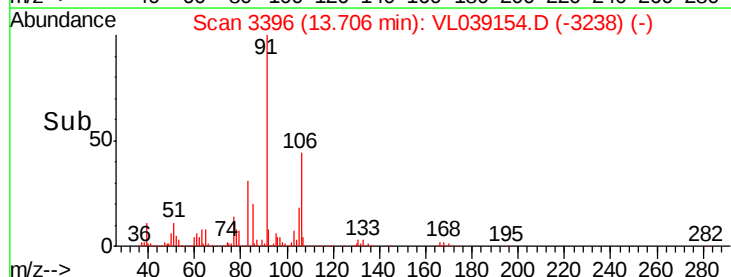
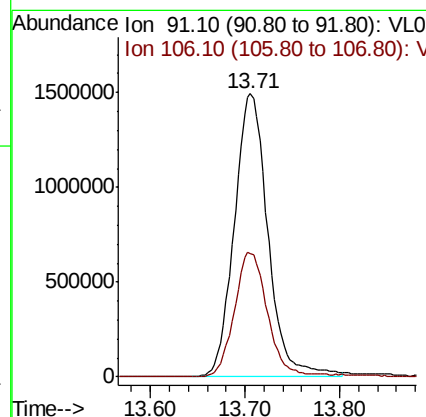
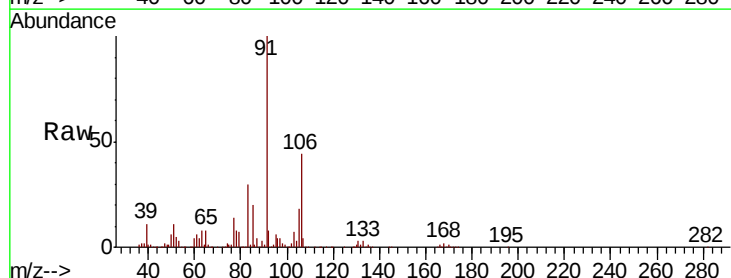
#59
m/p-Xylene
Concen: 8.378 ppbv
RT: 13.01 min
Delta R.T. 0.01 min
Lab File: VL039154.D
Acq: 3 Jun 2022 15:10

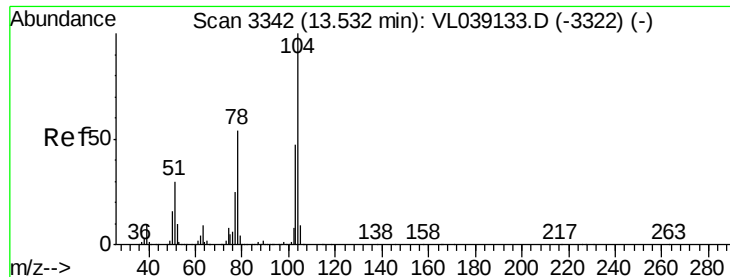
Tot Ion: 91 Resp: 4162815
Ion Ratio Lower Upper
91 100
106 79.9 34.3 51.5#



#60
o-Xylene
Concen: 7.896 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. 0.01 min
Lab File: VL039154.D
Acq: 3 Jun 2022 15:10

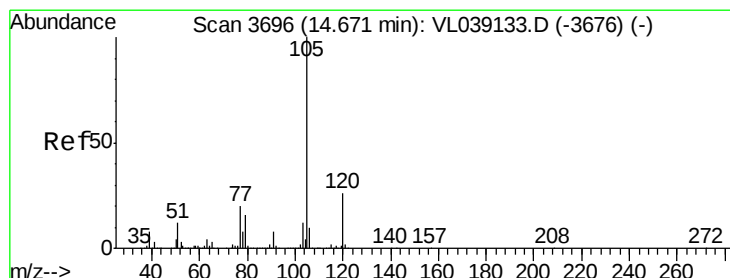
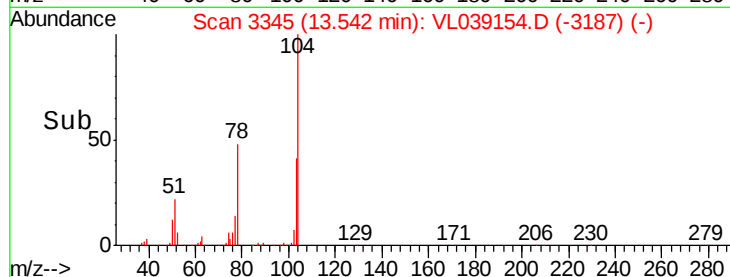
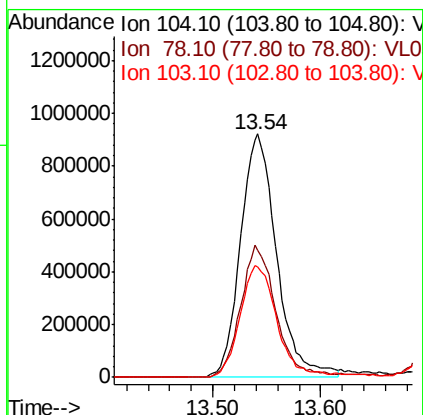
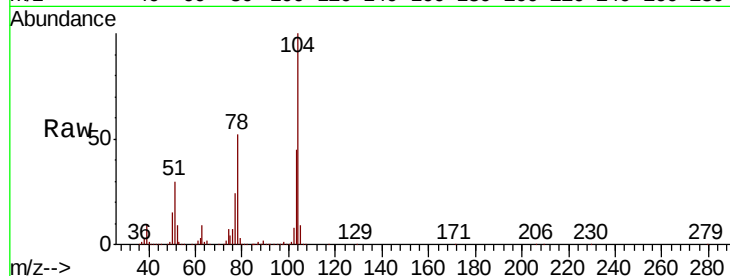
Tgt Ion: 91 Resp: 3686776
Ion Ratio Lower Upper
91 100
106 44.5 22.3 66.9





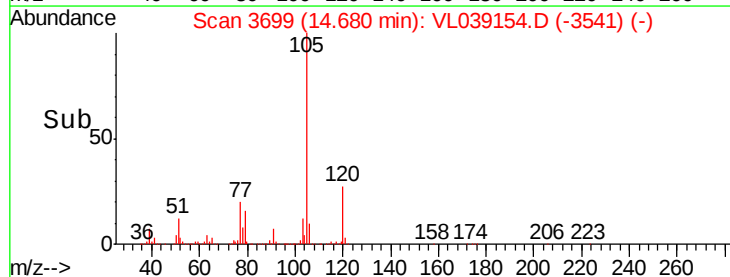
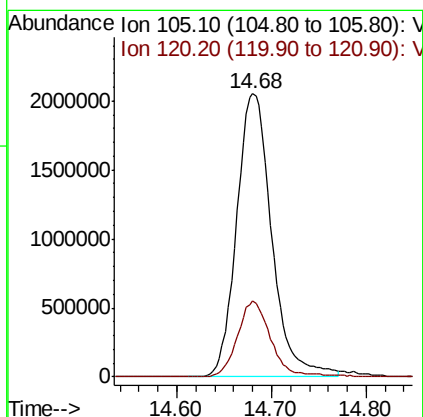
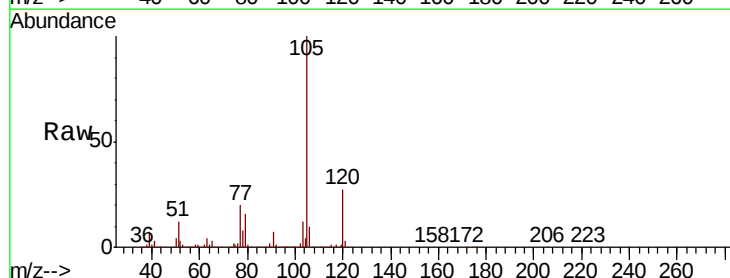
#61
Stvrene
Concen: 8.590 ppbv
RT: 13.54 min
Delta R.T.: 0.01 min
Lab File: VL039154.D
Acq: 3 Jun 2022 15:10

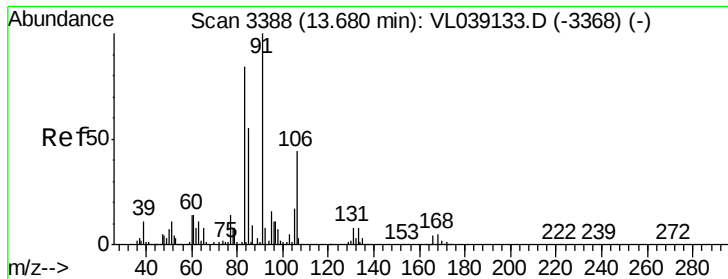
Tot Ion:104 Resp: 2147806
Ion Ratio Lower Upper
104 100
78 53.8 45.7 68.5
103 48.2 39.6 59.4



#62
Isopropylbenzene
Concen: 7.642 ppbv
RT: 14.68 min Scan# 3699
Delta R.T.: 0.01 min
Lab File: VL039154.D
Acq: 3 Jun 2022 15:10

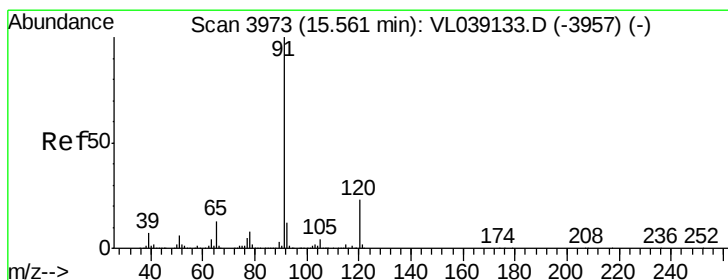
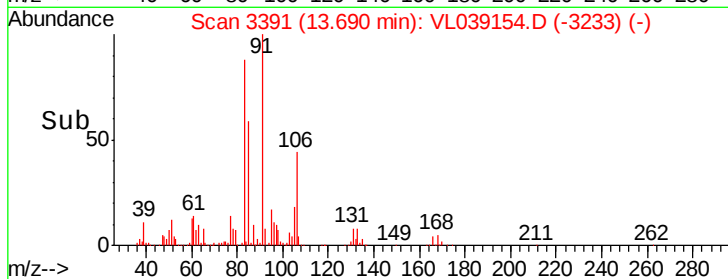
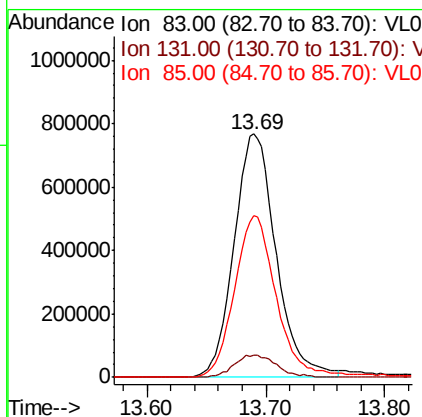
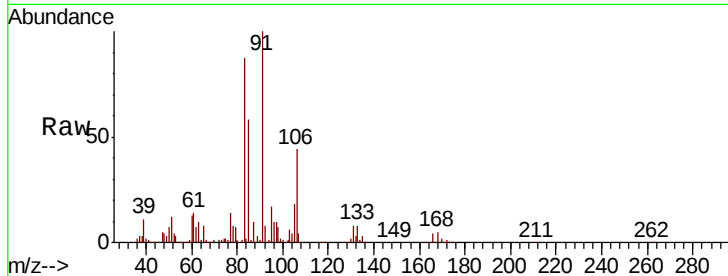
Tgt Ion:105 Resp: 5303321
Ion Ratio Lower Upper
105 100
120 25.7 20.3 30.5





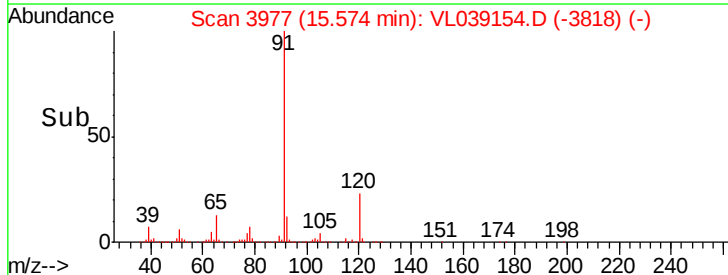
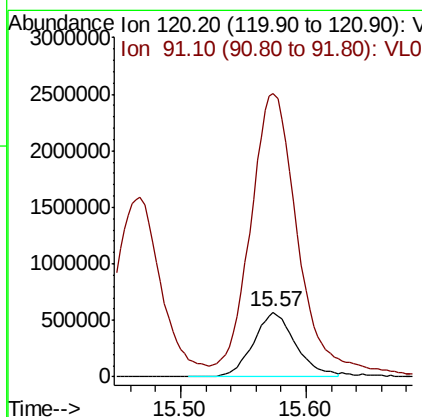
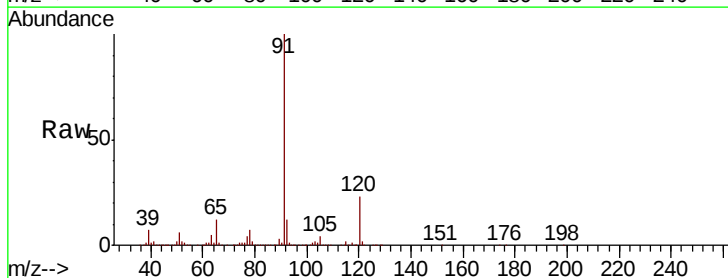
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.138 ppbv
 RT: 13.69 min
 Delta R.T. 0.01 min
 Lab File: VL039154.D
 Acq: 3 Jun 2022 15:10

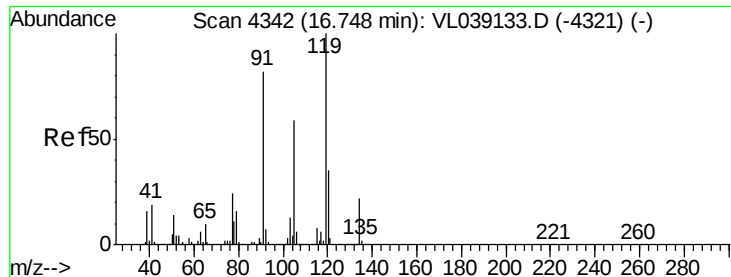
Tot Ion: 83 Resp: 1870769
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.8 14.3
 85 67.9 33.0 99.0



#64
 n-propylbenzene
 Concen: 7.803 ppbv
 RT: 15.57 min Scan# 3977
 Delta R.T. 0.01 min
 Lab File: VL039154.D
 Acq: 3 Jun 2022 15:10

Tgt Ion: 120 Resp: 1331047
 Ion Ratio Lower Upper
 120 100
 91 501.7 388.4 582.6





#65

tert-Butylbenzene

Concen: 7.412 ppbv

RT: 16.76

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Jun 2022 15:10

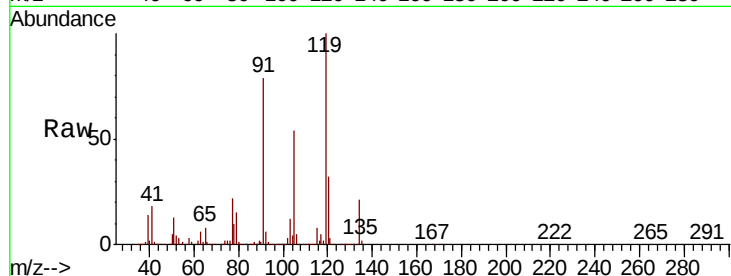
Tot Ion: 119 Resp: 4703161

Ion Ratio Lower Upper

119 100

91 83.1 67.1 100.7

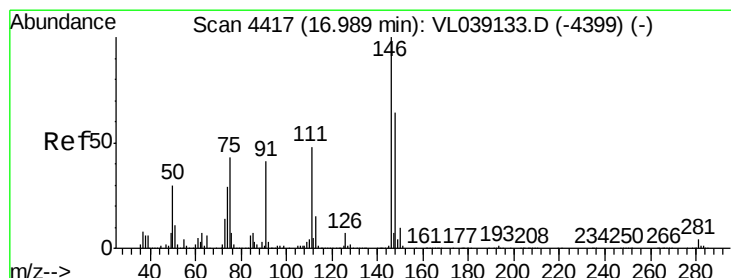
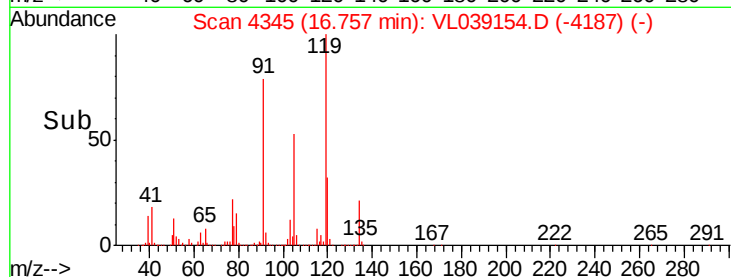
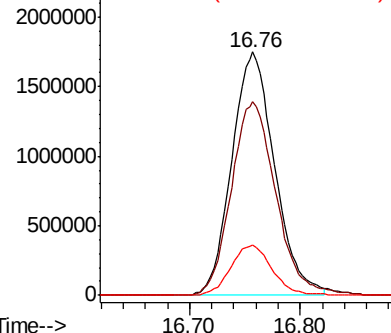
134 20.0 15.8 23.8



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 8.657 ppbv

RT: 17.00 min Scan# 4420

Delta R.T. 0.01 min

Lab File: VL039154.D

Acq: 3 Jun 2022 15:10

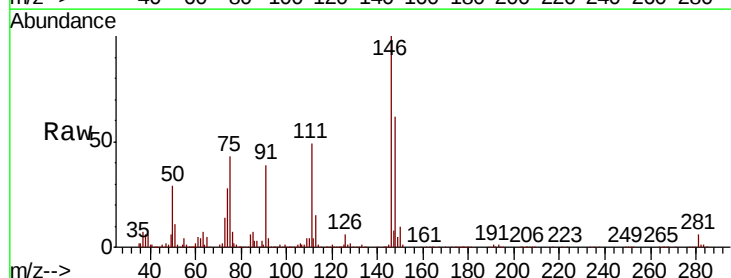
Tgt Ion: 91 Resp: 714268

Ion Ratio Lower Upper

91 100

126 15.9 13.4 20.0

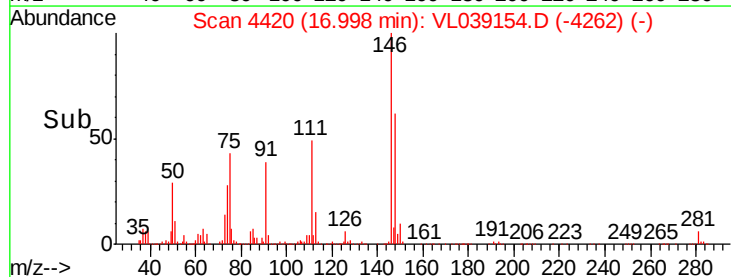
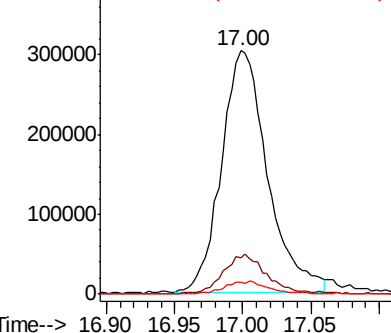
128 5.3 4.1 6.1

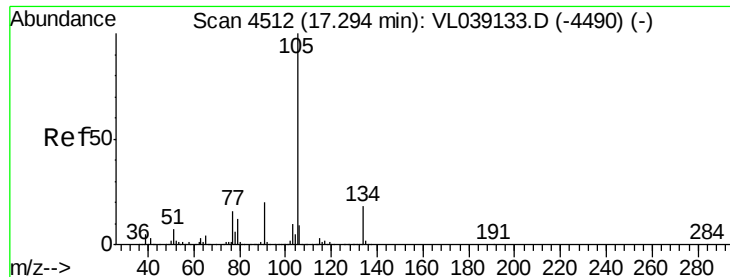


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

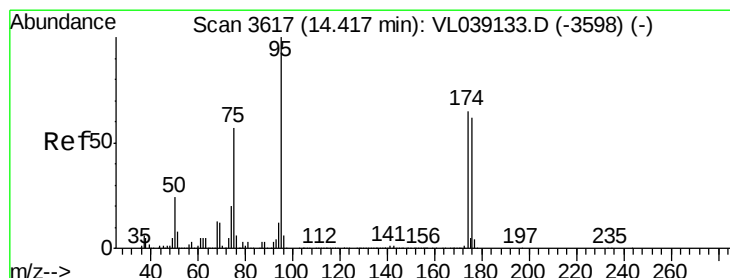
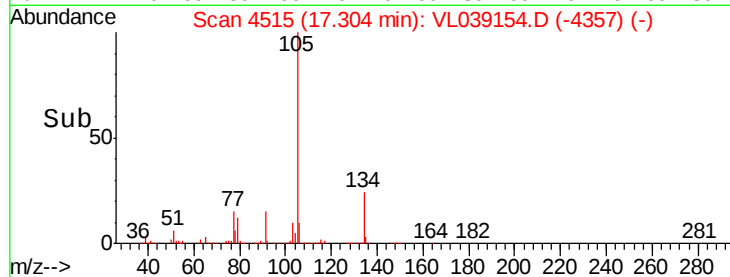
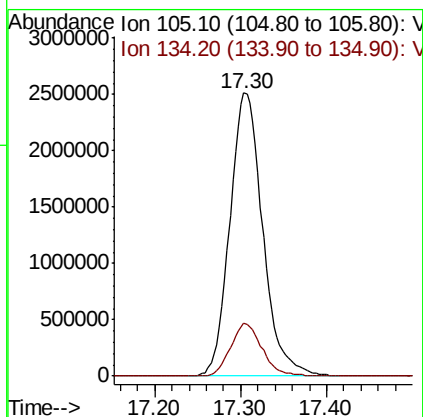
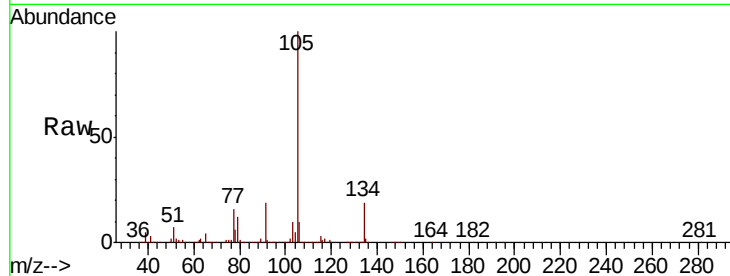
Ion 128.10 (127.80 to 128.80): V





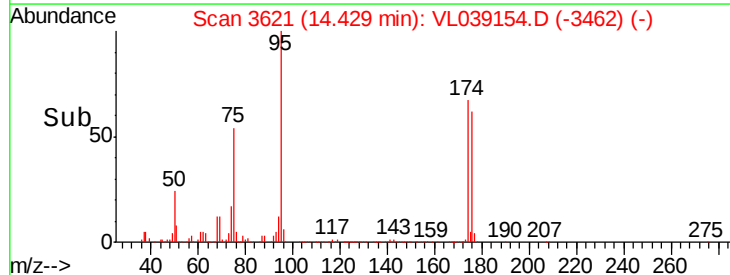
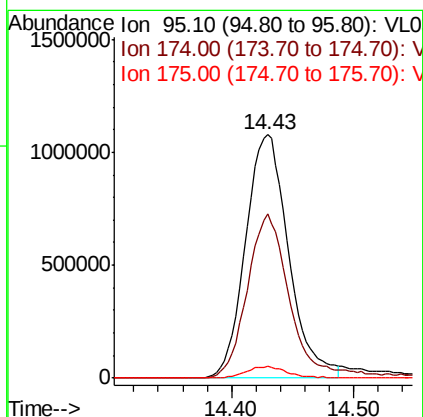
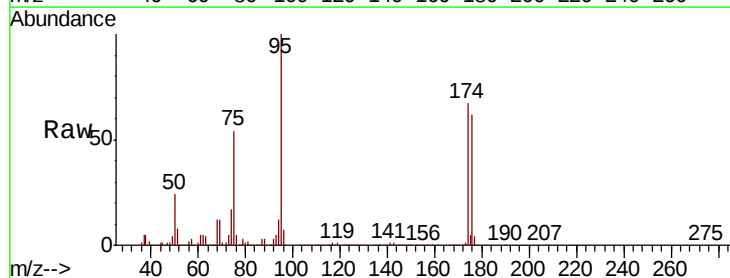
#67
 sec-Butylbenzene
 Concen: 7.693 ppbv
 RT: 17.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 3 Jun 2022 15:10

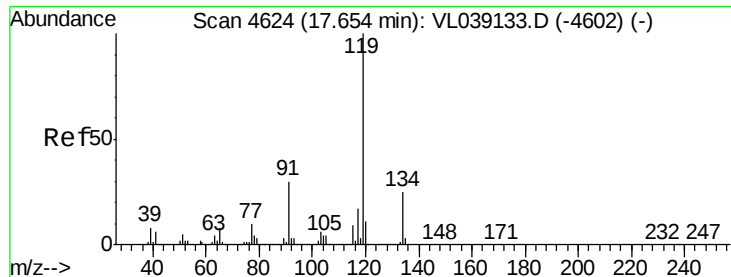
Tot Ion: 105 Resp: 6660634
 Ion Ratio Lower Upper
 105 100
 134 17.9 14.4 21.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.762 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. 0.01 min
 Lab File: VL039154.D
 Acq: 3 Jun 2022 15:10

Tgt Ion: 95 Resp: 2628623
 Ion Ratio Lower Upper
 95 100
 174 68.1 53.8 80.8
 175 4.8 4.1 6.1





#69

p-Isopropyltoluene

Concen: 7.653 ppbv

RT: 17.66

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Jun 2022 15:10

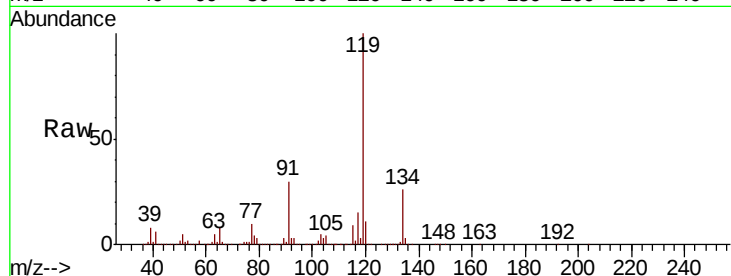
Tot Ion: 119 Resp: 5590493

Ion Ratio Lower Upper

119 100

134 25.3 20.4 30.6

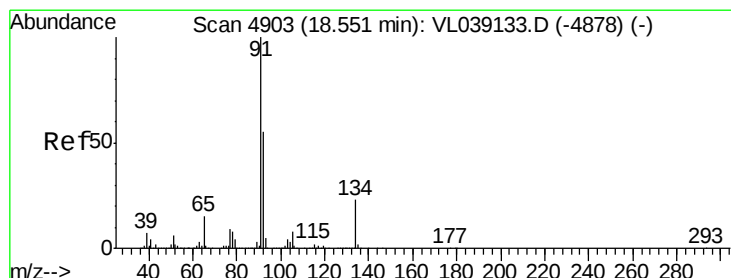
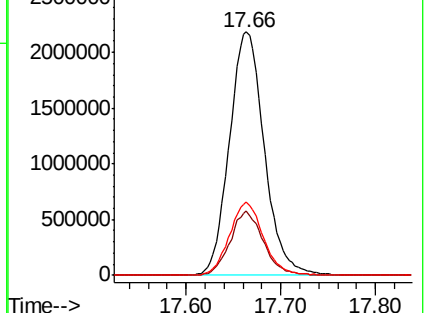
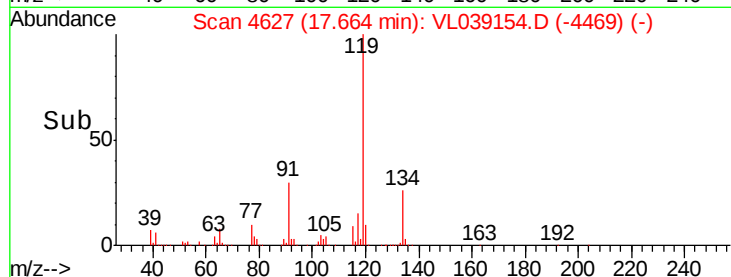
91 29.1 24.2 36.4



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 7.857 ppbv

RT: 18.56 min Scan# 4906

Delta R.T. 0.01 min

Lab File: VL039154.D

Acq: 3 Jun 2022 15:10

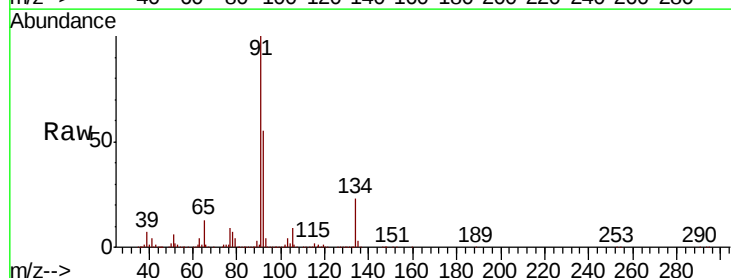
Tgt Ion: 91 Resp: 5891067

Ion Ratio Lower Upper

91 100

92 54.3 43.6 65.4

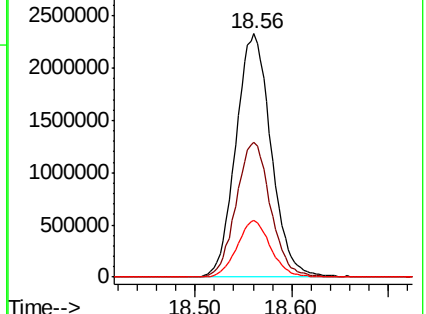
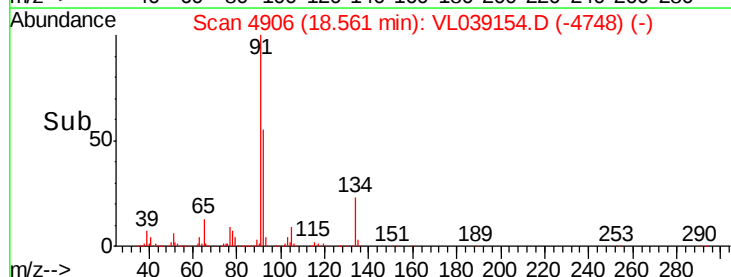
134 22.2 17.7 26.5

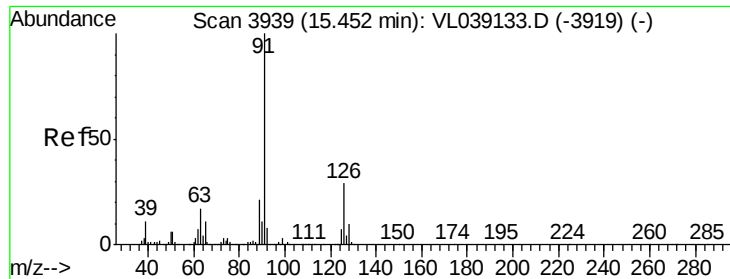


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 7.550 ppbv

RT: 15.47

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

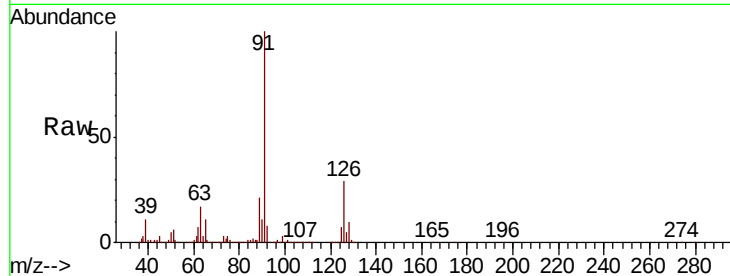
Acq: 3 Jun 2022 15:10

Tot Ion: 91 Resp: 3995168

Ion Ratio Lower Upper

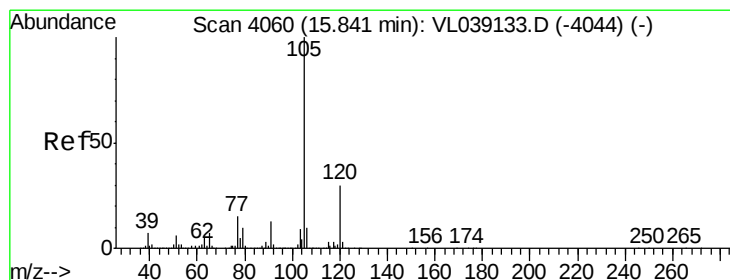
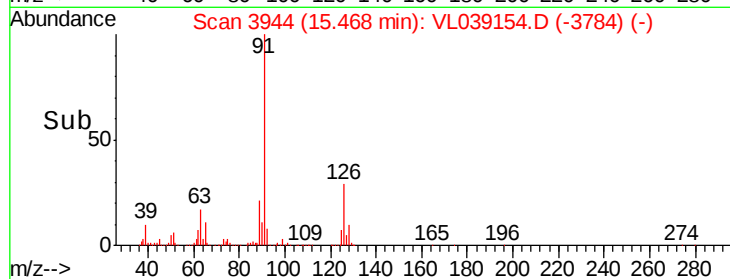
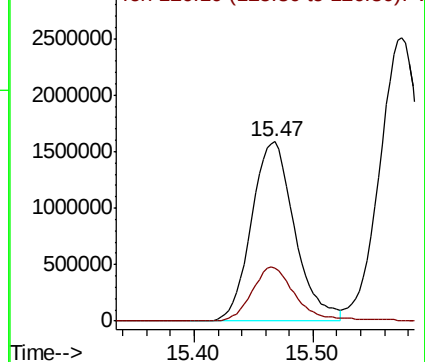
91 100

126 31.1 12.2 48.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.733 ppbv

RT: 15.85 min Scan# 4063

Delta R.T. 0.01 min

Lab File: VL039154.D

Acq: 3 Jun 2022 15:10

Tgt Ion:105 Resp: 4231513

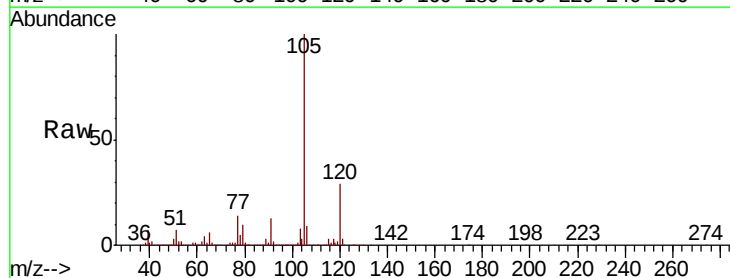
Ion Ratio Lower Upper

105 100

120 31.2 23.9 35.9

91 13.0 10.6 16.0

77 14.6 11.7 17.5

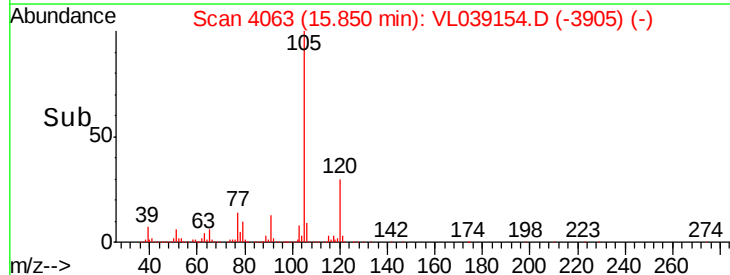
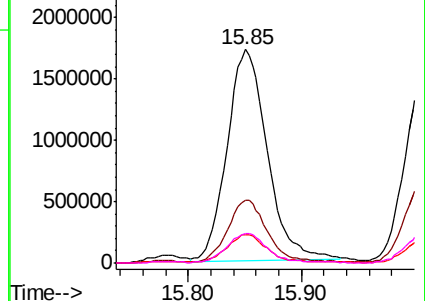


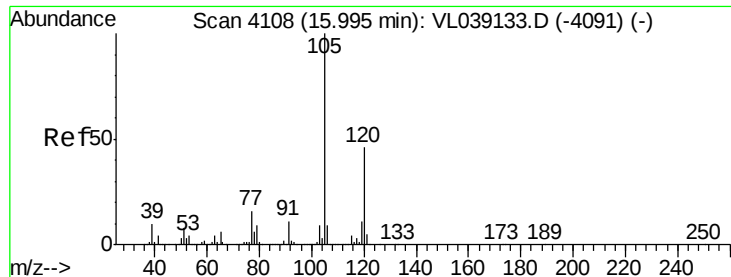
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 8.003 ppbv

RT: 16.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

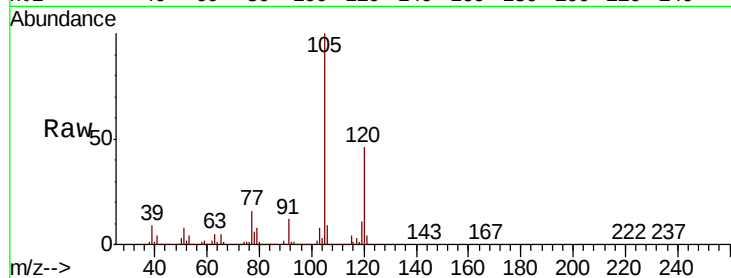
Acq: 3 Jun 2022 15:10

Tot Ion:105 Resp: 3949826

Ion Ratio Lower Upper

105 100

120 45.6 36.7 55.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

1500000

1000000

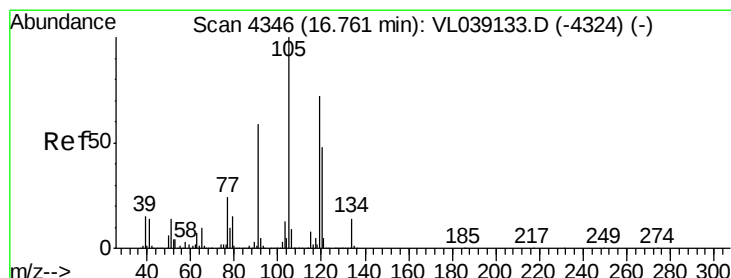
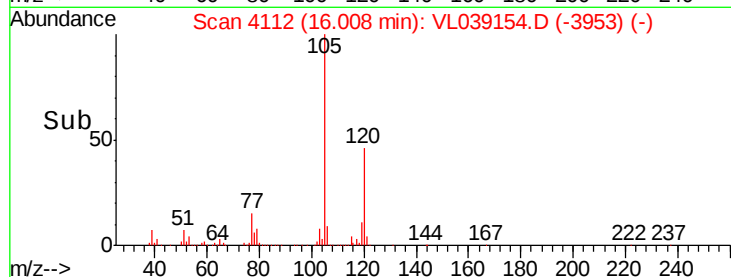
500000

0

16.01

15.90 16.00 16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.665 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. 0.02 min

Lab File: VL039154.D

Acq: 3 Jun 2022 15:10

Tgt Ion:105 Resp: 4221765

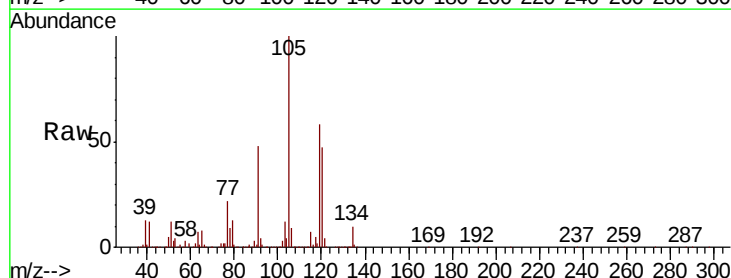
Ion Ratio Lower Upper

105 100

120 46.9 38.1 57.1

91 48.1 47.4 71.0

77 21.4 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

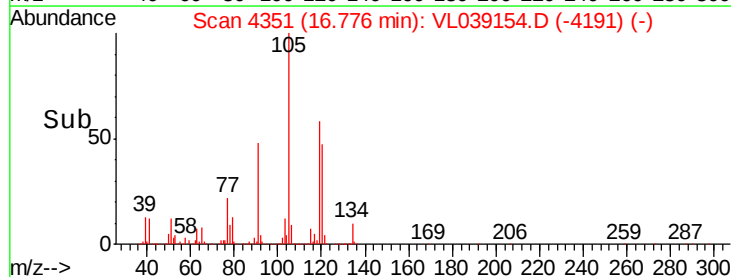
500000

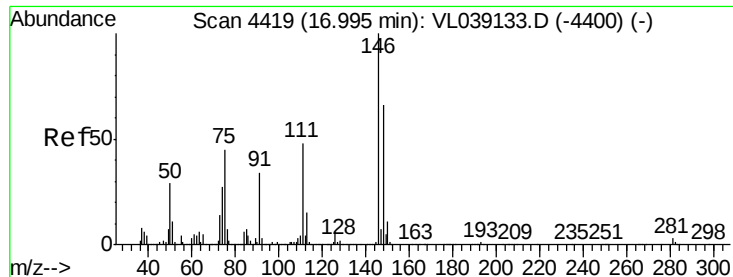
0

16.78

16.70 16.80 16.90

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.896 ppbv

RT: 17.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Jun 2022 15:10

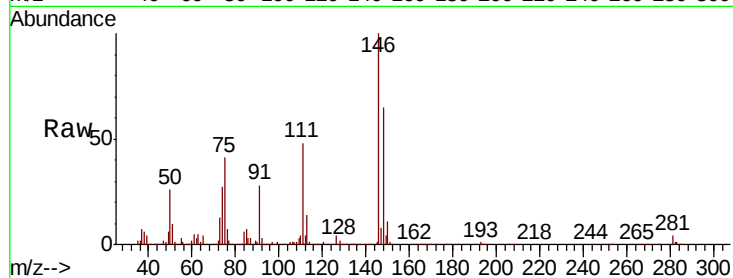
Tot Ion:146 Resp: 2461623

Ion Ratio Lower Upper

146 100

111 46.7 23.8 71.4

148 64.7 32.4 97.0

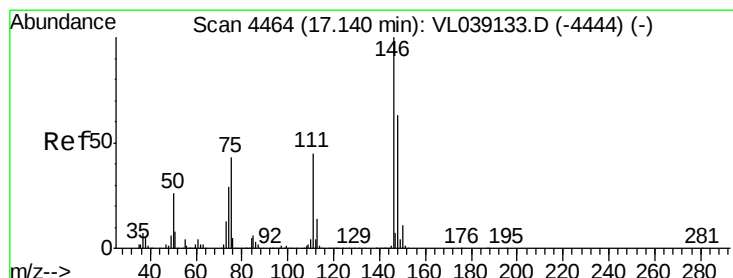
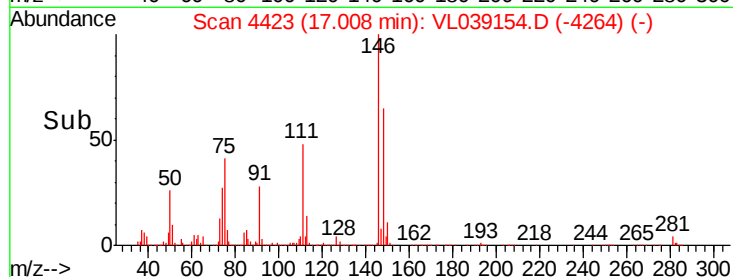
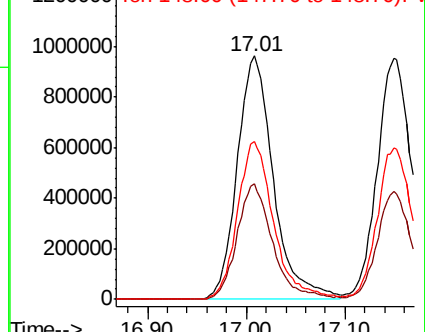


Abundance

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: 7.532 ppbv

RT: 17.15 min Scan# 4467

Delta R.T. 0.01 min

Lab File: VL039154.D

Acq: 3 Jun 2022 15:10

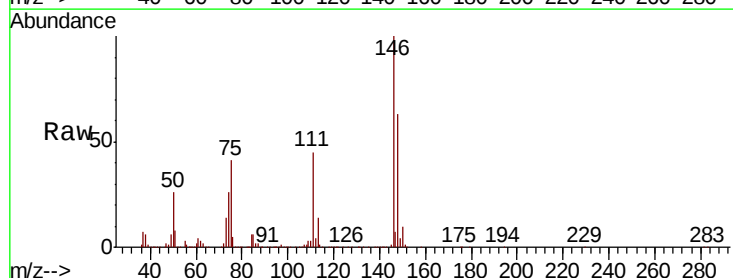
Tgt Ion:146 Resp: 2342723

Ion Ratio Lower Upper

146 100

111 46.6 23.6 71.0

148 66.9 33.7 101.0

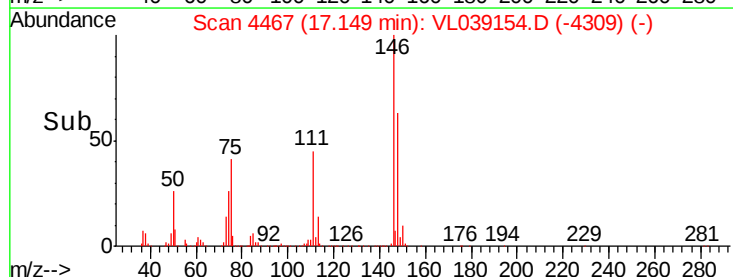
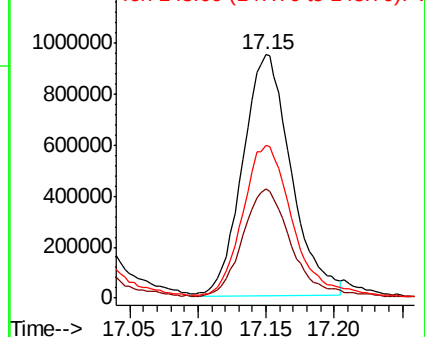


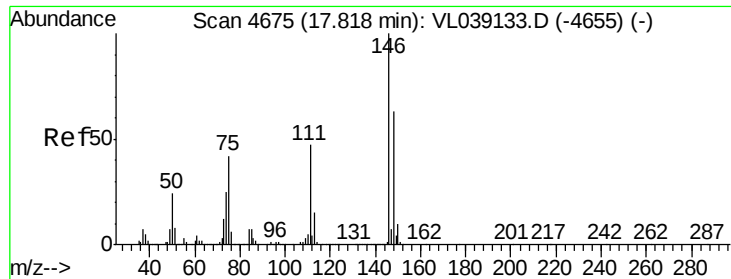
Abundance

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

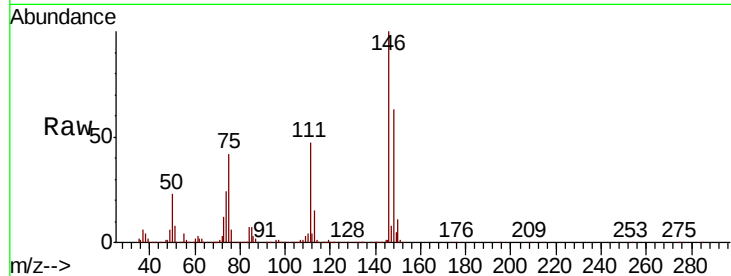




#77
 1,2-Dichlorobenzene
 Concen: 7.563 ppbv
 RT: 17.83 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 3 Jun 2022 15:10

Tot Ion:146 Resp: 2376504

Ion	Ratio	Lower	Upper
146	100		
111	47.8	24.4	73.4
148	65.3	32.1	96.5

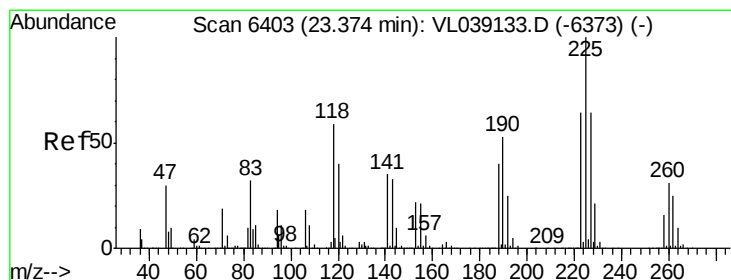
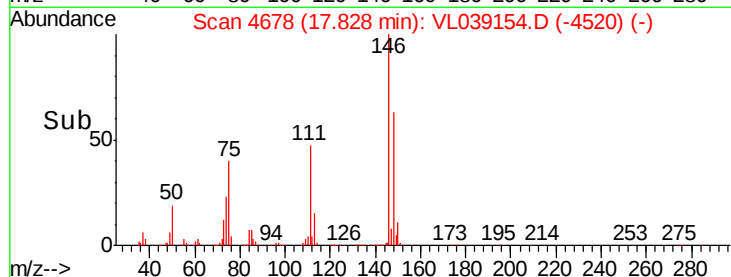
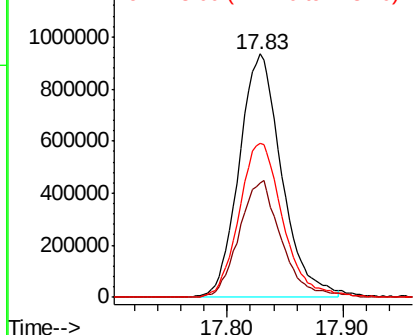


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

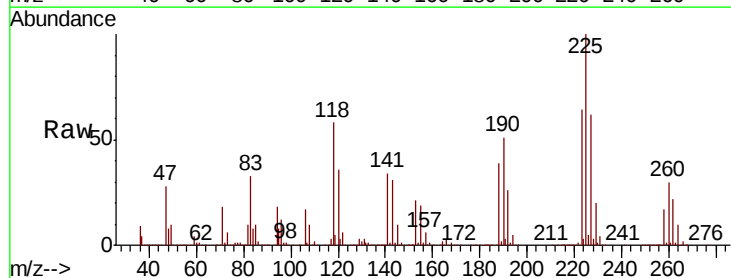
Ion 148.00 (147.70 to 148.70): V



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.966 ppbv
 RT: 23.38 min Scan# 6406
 Delta R.T. 0.01 min
 Lab File: VL039154.D
 Acq: 3 Jun 2022 15:10

Tgt Ion:225 Resp: 2001576

Ion	Ratio	Lower	Upper
225	100		
223	64.4	51.4	77.0
227	64.4	50.6	75.8

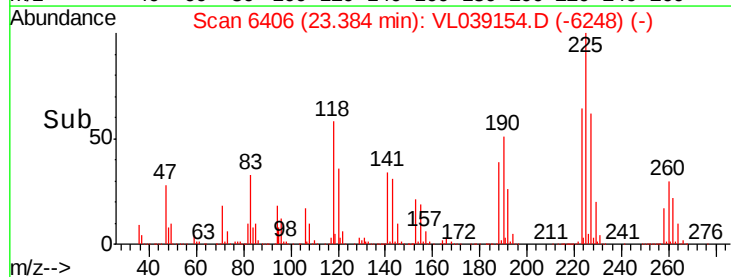
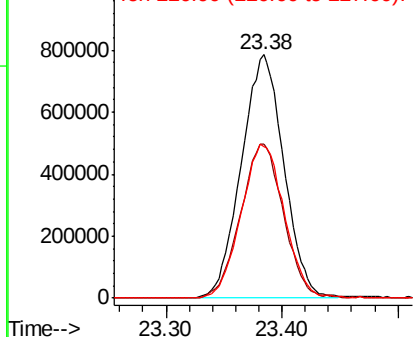


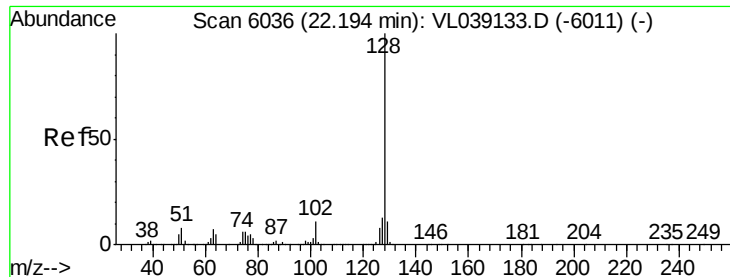
Abundance

Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

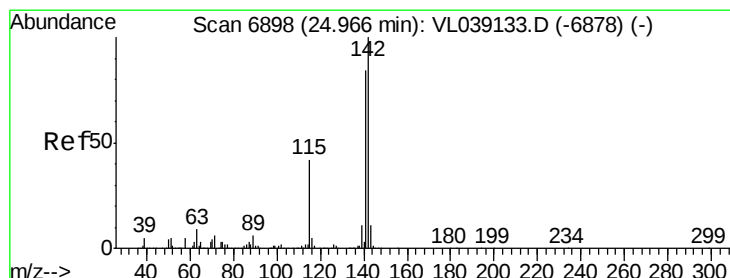
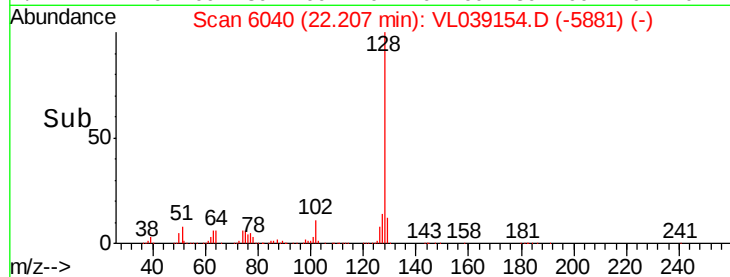
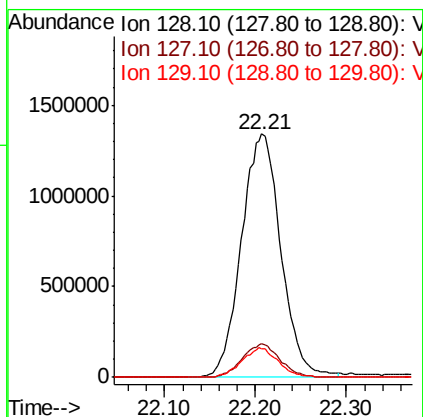
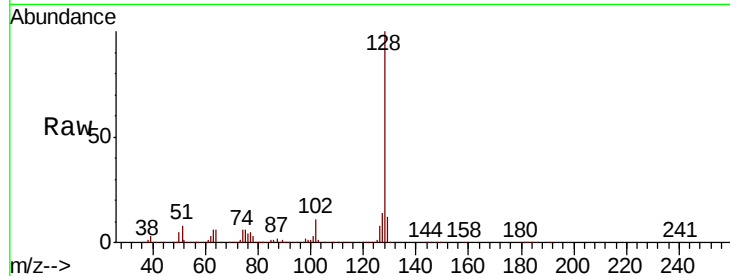
Ion 226.90 (226.60 to 227.60): V





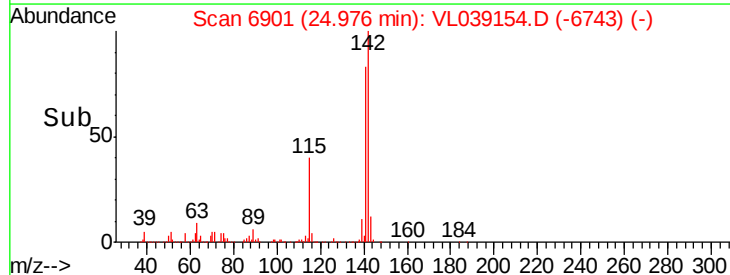
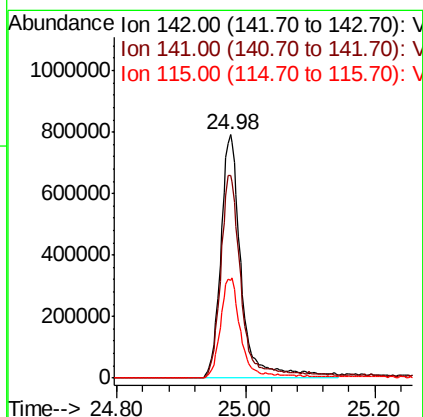
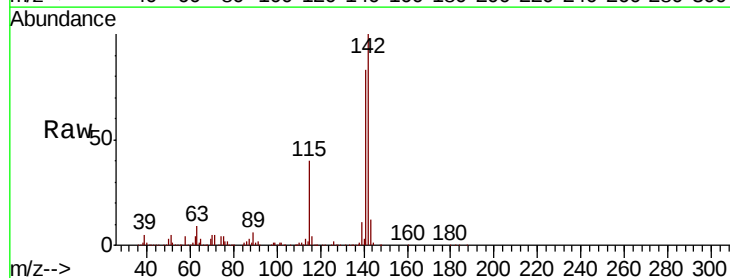
#79
Naphthalene
Concen: 9.520 ppbv
RT: 22.21 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 3 Jun 2022 15:10
VSTDCCC010

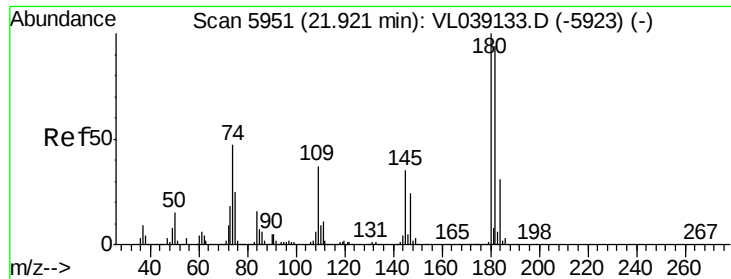
Tot Ion:128 Resp: 4036319
Ion Ratio Lower Upper
128 100
127 13.6 10.4 15.6
129 11.9 9.0 13.6



#80
Naphthalene, 2-methyl-
Concen: 11.208 ppbv
RT: 24.98 min Scan# 6901
Delta R.T.: 0.01 min
Lab File: VL039154.D
Acq: 3 Jun 2022 15:10

Tgt Ion:142 Resp: 1765631
Ion Ratio Lower Upper
142 100
141 87.4 64.6 96.8
115 41.1 32.7 49.1





#81
 1,2,4-Trichlorobenzene
 Concen: 8.412 ppbv
 RT: 21.94
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 3 Jun 2022 15:10

Tot Ion:180 Resp: 2259498
 Ion Ratio Lower Upper
 180 100
 182 95.7 0.0 0.0#
 184 31.2 0.0 0.0#

