

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060822\
 Data File : VL039231.D
 Acq On : 8 Jun 2022 12:24
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jun 09 06:37:48 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1352135	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3355628	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3109415	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2622746	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	2068551	8.710 ppbv	99
3) Chlorodifluoromethane	3.00	51	1655679	9.624 ppbv	98
4) Chloromethane	3.15	50	814001	9.211 ppbv	98
5) Vinyl Chloride	3.26	62	822953	9.962 ppbv	99
6) Bromomethane	3.48	94	391250	9.627 ppbv	96
7) Chloroethane	3.56	64	286479	9.952 ppbv	98
8) Dichlorotetrafluoroethane	3.20	85	2070041	9.537 ppbv	99
9) Propene	3.02	41	689777	9.195 ppbv	100
10) Heptane	8.13	43	1611337	9.208 ppbv	99
11) Trichlorofluoromethane	3.96	101	1981861	9.219 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1318150	9.272 ppbv	97
13) Ethanol	3.60	45	26682	6.522 ppbv #	100
14) Bromoethene	3.74	108	632936	9.903 ppbv	98
15) Acetone	3.85	43	1458555	10.355 ppbv	100
16) 1,3-Butadiene	3.34	39	750519	9.912 ppbv	100
17) tert-Butyl alcohol	4.29	59	1274377	11.665 ppbv	99
18) 1,1-Dichloroethene	4.29	96	614223	9.631 ppbv	95
19) Isopropyl Alcohol	3.96	45	693352	10.495 ppbv	99
20) Methylene Chloride	4.35	84	506575	8.535 ppbv	97
21) Allyl Chloride	4.42	41	876660	9.227 ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	598631	9.756 ppbv	91
23) Vinyl Acetate	5.08	43	1010467	8.671 ppbv	97
24) 1,1-Dichloroethane	5.02	63	1230914	7.709 ppbv	100
25) Ethyl Acetate	5.68	43	3253715	10.249 ppbv	99
26) Hexane	5.69	57	1277732	9.159 ppbv	90
27) Carbon Disulfide	4.56	76	1397282	9.664 ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1270189	8.247 ppbv	100
29) Chloroform	5.76	83	2162132	9.210 ppbv	98
30) Cyclohexane	7.14	84	1045671	8.922 ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1337734	9.404 ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	2258550	9.832 ppbv	100
34) 2-Butanone	5.25	43	1784528	9.789 ppbv	100
35) Carbon Tetrachloride	7.02	117	2369875	9.676 ppbv	96
36) Benzene	6.90	78	2511460	9.219 ppbv	98
37) 1,2-Dichloroethane	6.31	62	1740641	9.708 ppbv	99
38) Trichloroethene	7.84	130	1063372	8.498 ppbv	98
39) 1,2-Dichloropropane	7.62	63	1006108	9.285 ppbv	96
40) 1,4-Dioxane	7.83	88	358366	10.046 ppbv #	1
41) Tetrahydrofuran	6.05	42	1010365	9.215 ppbv	99
42) Bromodichloromethane	7.80	83	2382906	9.577 ppbv	98
43) Methyl Methacrylate	8.02	69	1125276	10.604 ppbv	98

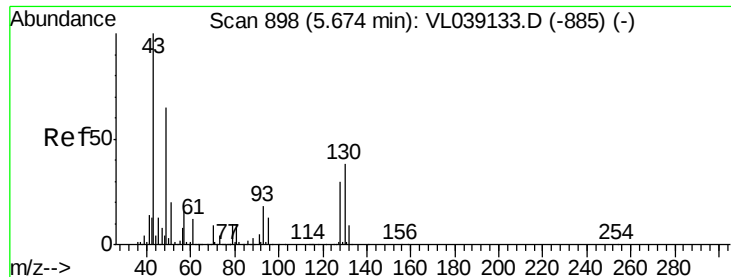
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060822\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4345792	9.119	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	950410	8.600	ppbv	95
46) cis-1,3-Dichloropropene	8.71	75	1258560	8.621	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1072060	9.483	ppbv	97
48) Dibromochloromethane	10.31	129	2002696	9.921	ppbv	99
49) Bromoform	13.04	173	1680978	9.993	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	2716056	9.953	ppbv	100
51) 2-Hexanone	10.13	43	2092324	9.854	ppbv #	99
52) Tetrachloroethene	11.23	164	974568	9.162	ppbv	96
53) Toluene	9.81	91	2995226	9.548	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1582549	10.417	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.13	131	1467512	9.974	ppbv	96
57) Chlorobenzene	12.15	112	2241854	9.582	ppbv	99
58) Ethyl Benzene	12.72	91	4170630	9.738	ppbv	98
59) m/p-Xylene	13.00	91	3781347	10.026	ppbv #	41
60) o-Xylene	13.70	91	3472143	9.797	ppbv	99
61) Styrene	13.53	104	1915952	10.095	ppbv	99
62) Isopropylbenzene	14.67	105	5303283	10.068	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2316364	11.644	ppbv	99
64) n-propylbenzene	15.56	120	1372090	10.596	ppbv	98
65) tert-Butylbenzene	16.74	119	4824266	10.015	ppbv	99
66) Benzyl Chloride	16.99	91	369018	5.892	ppbv	98
67) sec-Butylbenzene	17.29	105	6770429	10.301	ppbv	99
69) p-Isopropyltoluene	17.65	119	5715724	10.308	ppbv	100
70) n-Butylbenzene	18.55	91	6081145	10.685	ppbv	100
71) 2-Chlorotoluene	15.45	91	4124716	10.268	ppbv	99
72) 4-Ethyltoluene	15.84	105	4209544	10.134	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	3826048	10.212	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4188623	10.018	ppbv	96
75) 1,3-Dichlorobenzene	17.00	146	2398509	10.135	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2325286	9.848	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2381308	9.984	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1980946	9.083	ppbv	98
79) Naphthalene	22.19	128	3562898	11.070	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	941284	7.872	ppbv	95
81) 1,2,4-Trichlorobenzene	21.93	180	2021253	9.913	ppbv #	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 8 Jun 2022 12:24

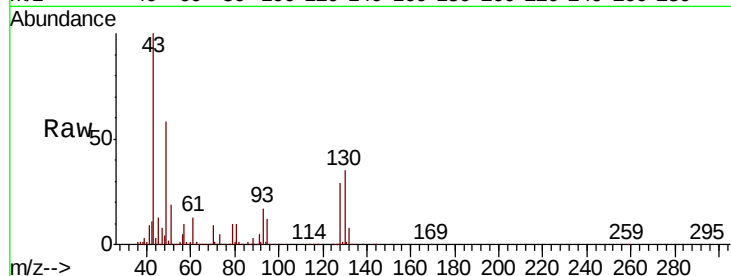
Tot Ion: 49 Resp: 1352135

Ion Ratio Lower Upper

49 100

128 50.4 24.7 74.1

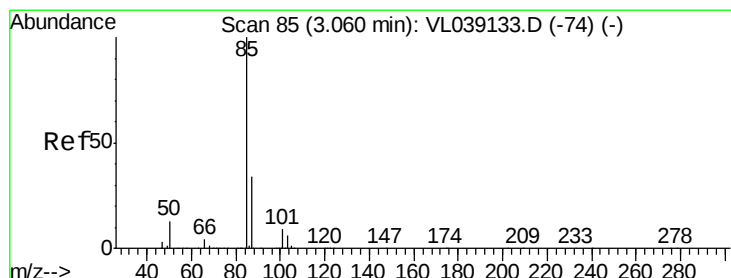
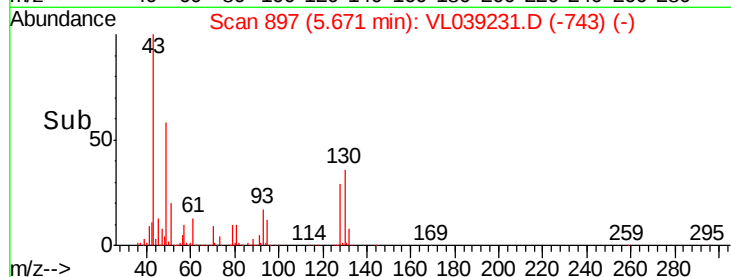
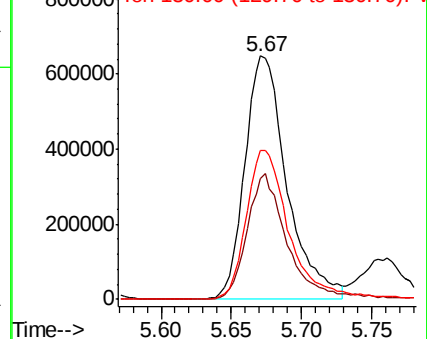
130 63.9 31.4 94.0



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: 8.710 ppbv

RT: 3.06 min Scan# 84

Delta R.T. -0.00 min

Lab File: VL039231.D

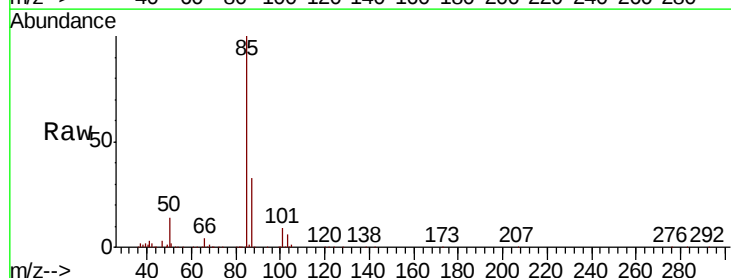
Acq: 8 Jun 2022 12:24

Tgt Ion: 85 Resp: 2068551

Ion Ratio Lower Upper

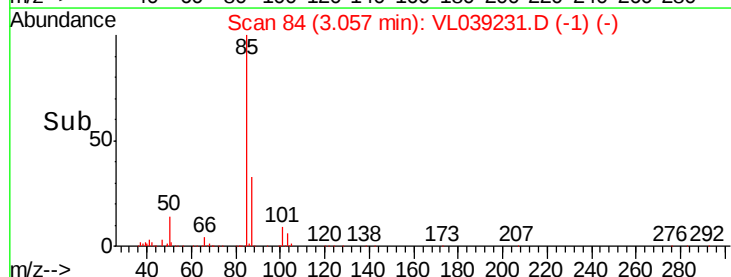
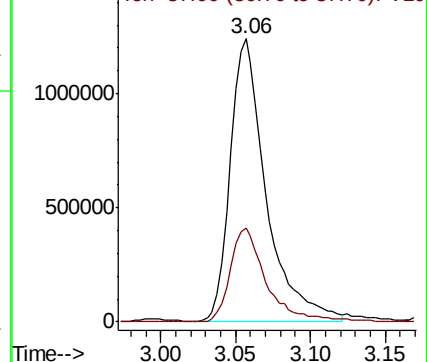
85 100

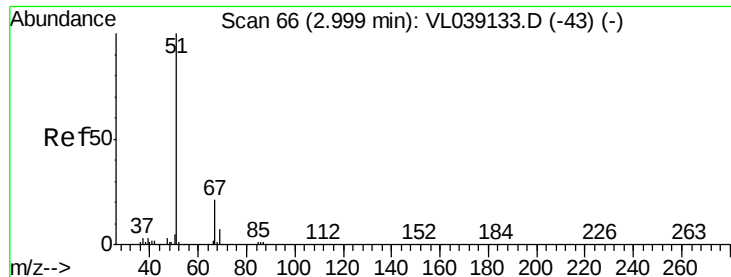
87 33.2 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.624 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

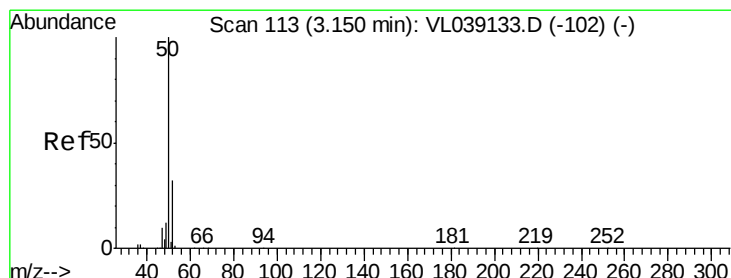
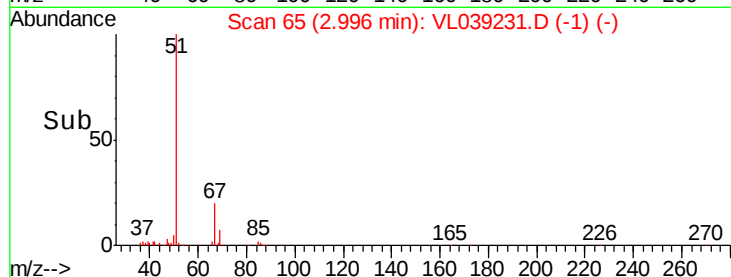
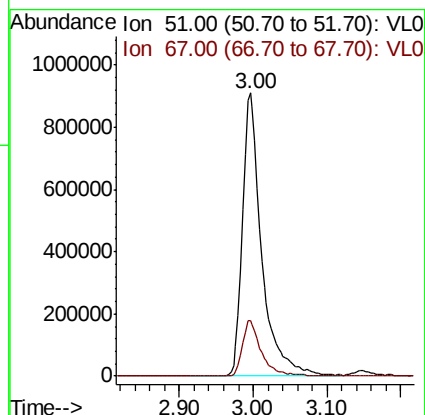
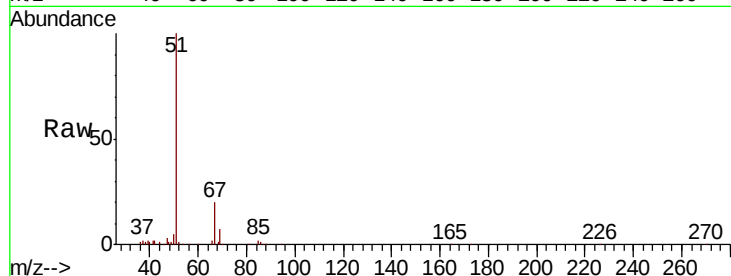
Acq: 8 Jun 2022 12:24 VSTDCCC010

Tot Ion: 51 Resp: 1655679

Ion Ratio Lower Upper

51 100

67 19.6 16.2 24.4



#4

Chloromethane

Concen: 9.211 ppbv

RT: 3.15 min Scan# 112

Delta R.T. -0.00 min

Lab File: VL039231.D

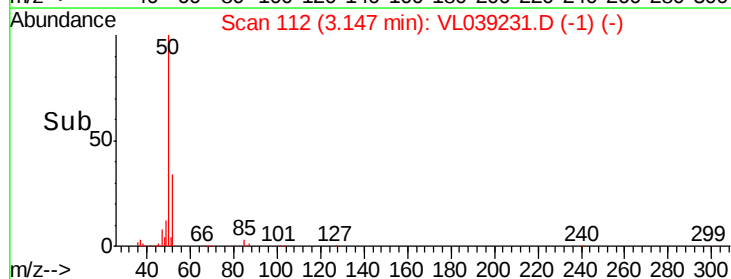
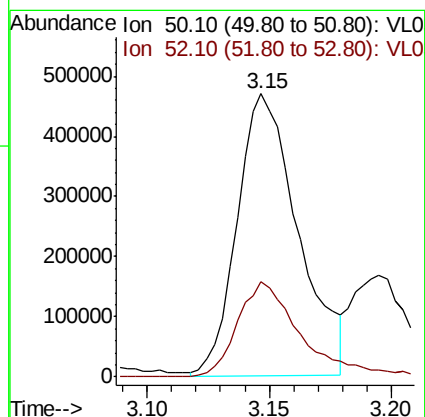
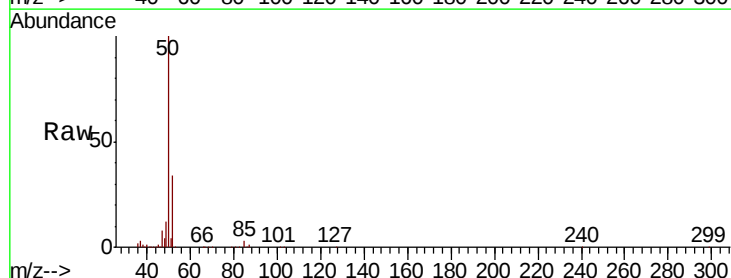
Acq: 8 Jun 2022 12:24

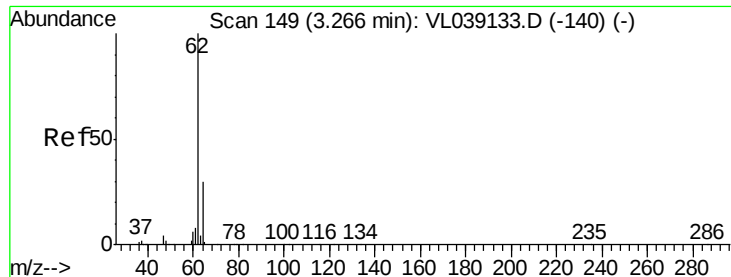
Tgt Ion: 50 Resp: 814001

Ion Ratio Lower Upper

50 100

52 33.8 25.9 38.9





#5

Vinyl Chloride

Concen: 9.962 ppbv

RT: 3.26 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

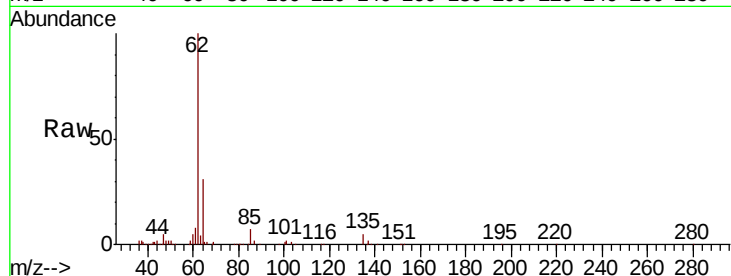
Acq: 8 Jun 2022 12:24

Tot Ion: 62 Resp: 822953

Ion Ratio Lower Upper

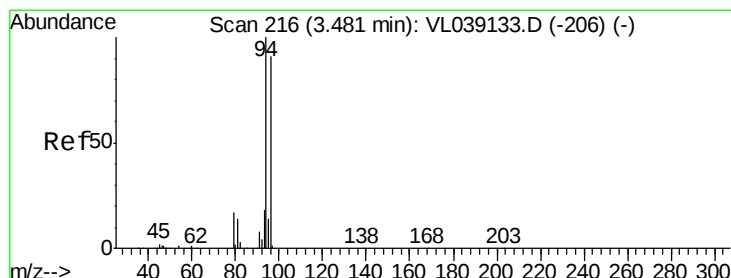
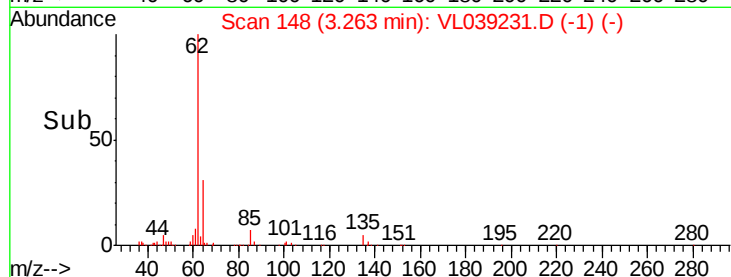
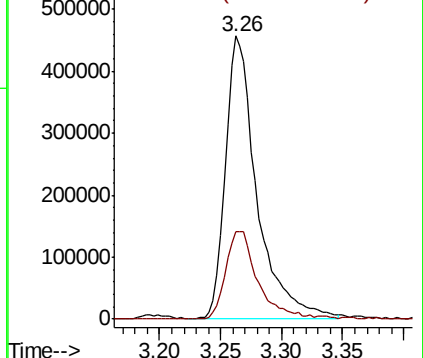
62 100

64 30.9 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: 9.627 ppbv

RT: 3.48 min Scan# 215

Delta R.T. -0.00 min

Lab File: VL039231.D

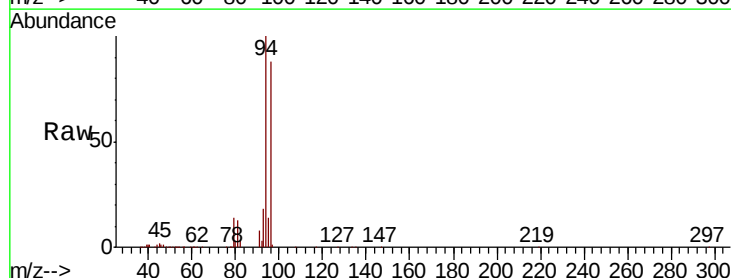
Acq: 8 Jun 2022 12:24

Tgt Ion: 94 Resp: 391250

Ion Ratio Lower Upper

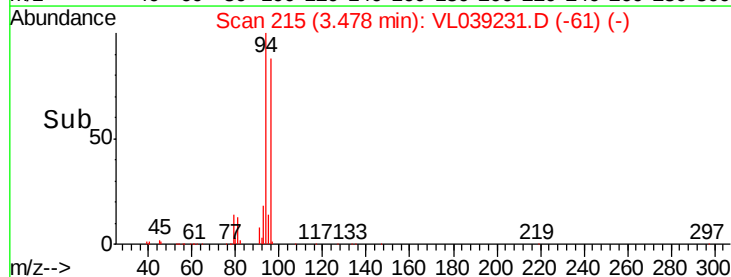
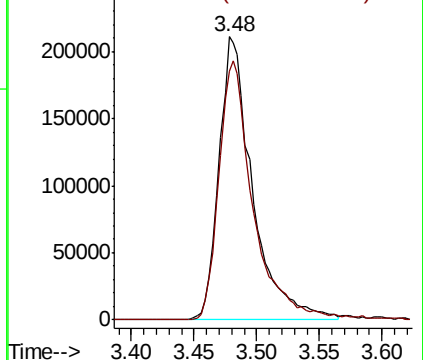
94 100

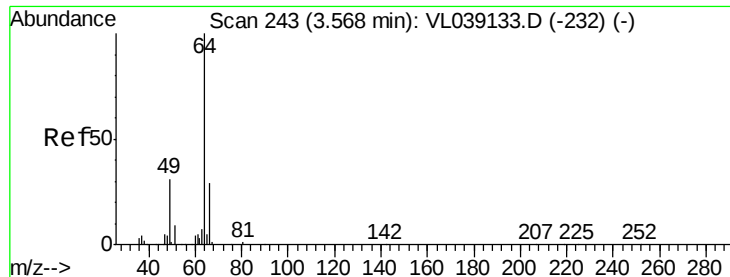
96 87.9 73.0 109.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.952 ppbv

RT: 3.56 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

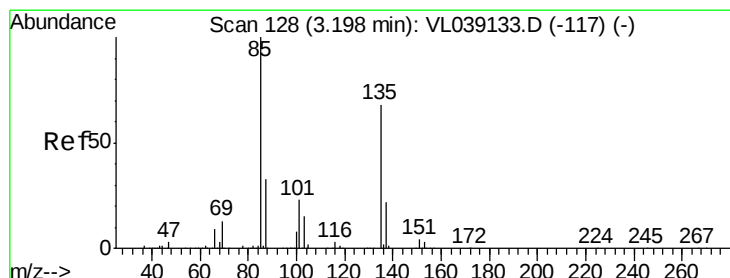
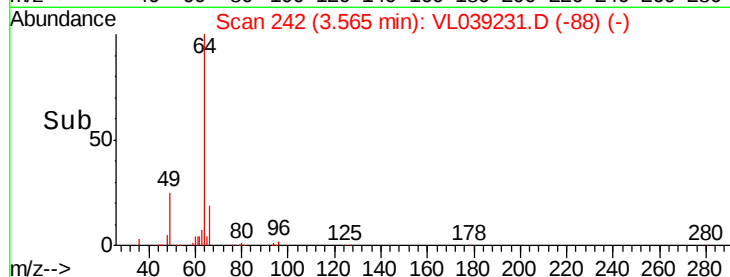
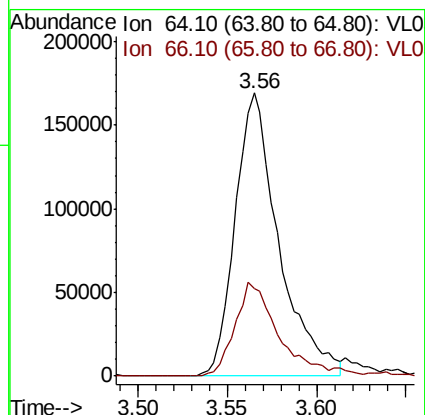
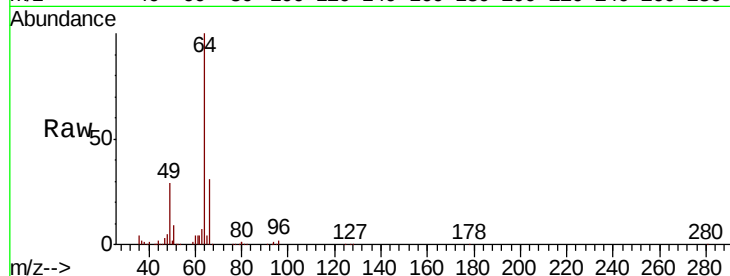
Acq: 8 Jun 2022 12:24

Tot Ion: 64 Resp: 286479

Ion Ratio Lower Upper

64 100

66 30.8 23.6 35.4



#8

Dichlorotetrafluoroethane

Concen: 9.537 ppbv

RT: 3.20 min Scan# 127

Delta R.T. -0.00 min

Lab File: VL039231.D

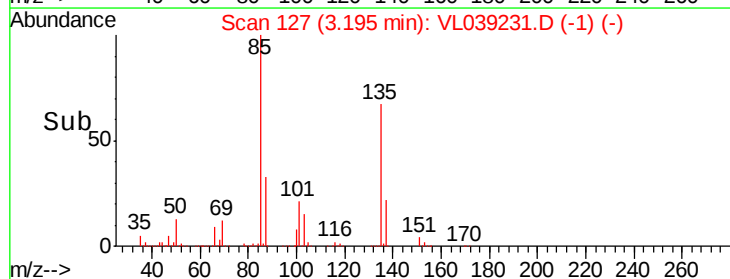
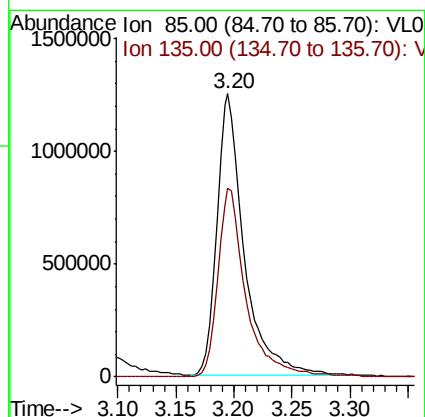
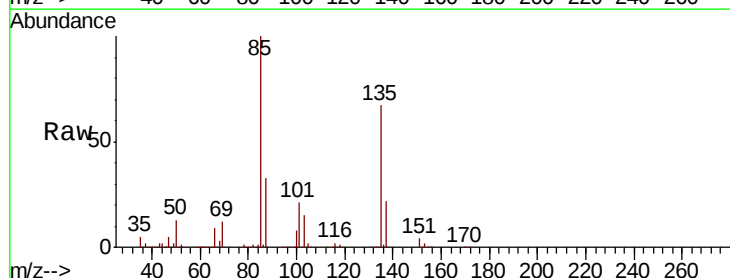
Acq: 8 Jun 2022 12:24

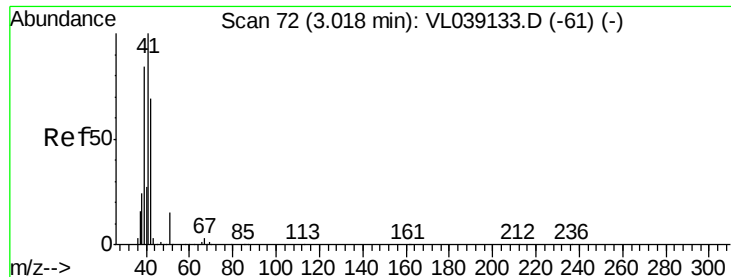
Tgt Ion: 85 Resp: 2070041

Ion Ratio Lower Upper

85 100

135 69.6 55.0 82.4





#9

Propene

Concen: 9.195 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

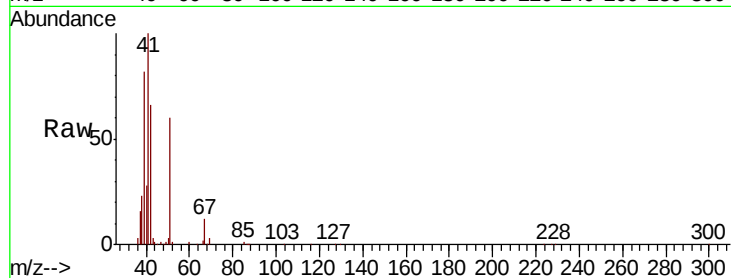
Acq: 8 Jun 2022 12:24 VSTDCCC010

Tot Ion: 41 Resp: 689777

Ion Ratio Lower Upper

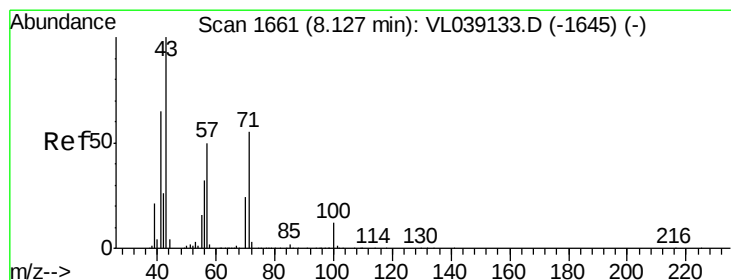
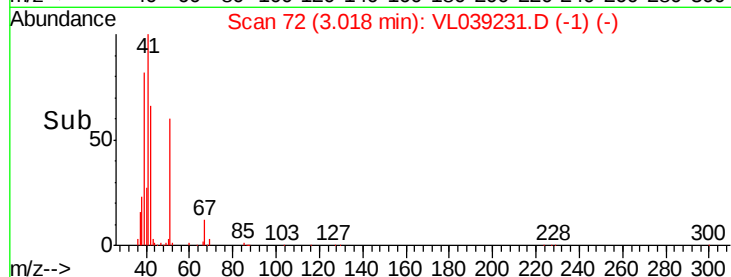
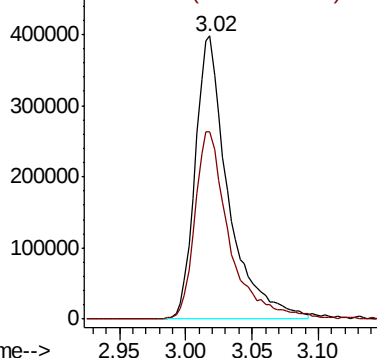
41 100

42 69.5 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: 9.208 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VL039231.D

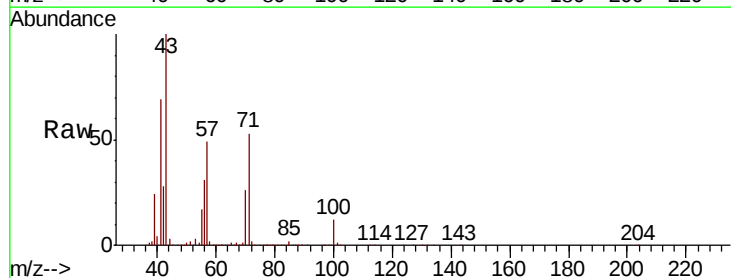
Acq: 8 Jun 2022 12:24

Tgt Ion: 43 Resp: 1611337

Ion Ratio Lower Upper

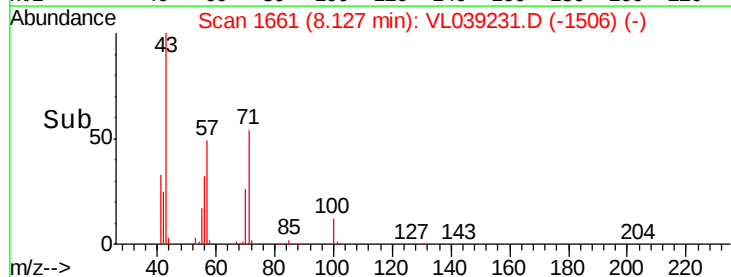
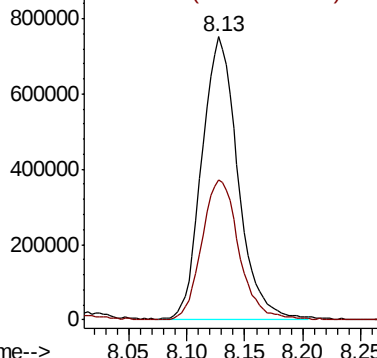
43 100

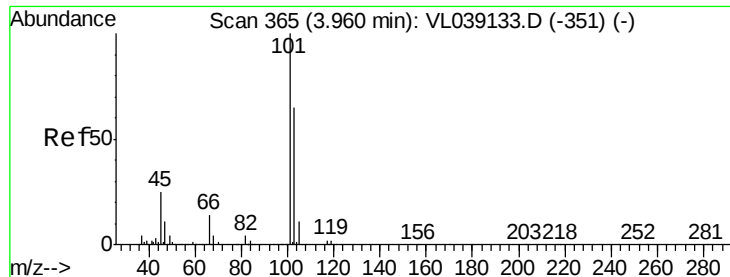
57 51.2 41.4 62.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

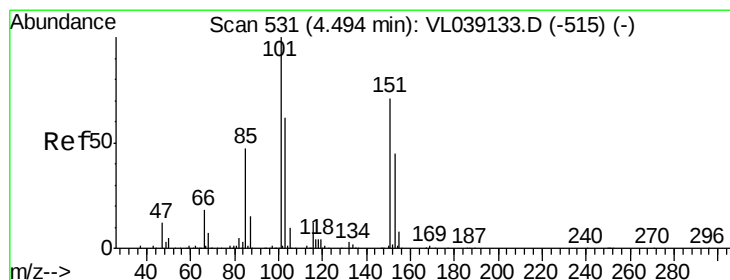
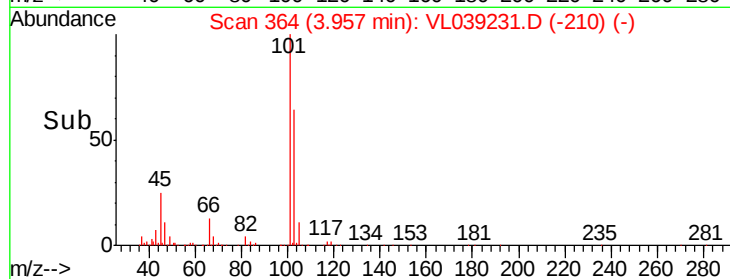
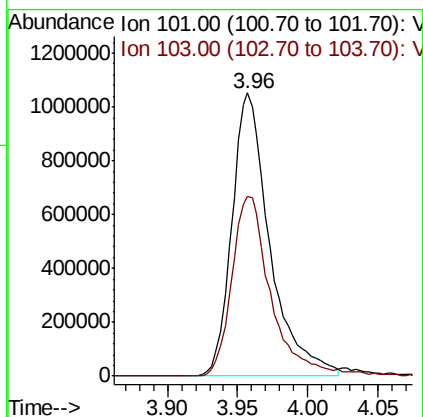
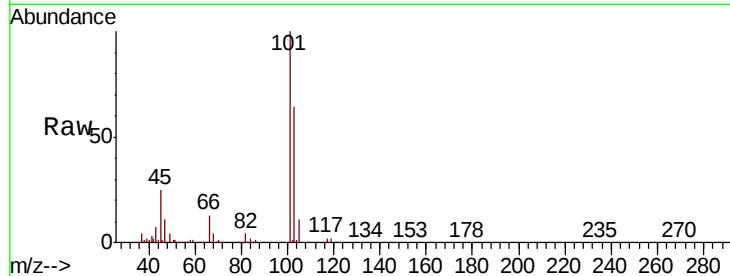
Ion 57.10 (56.80 to 57.80): VL0





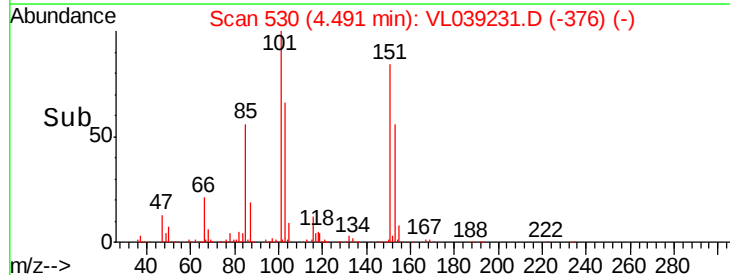
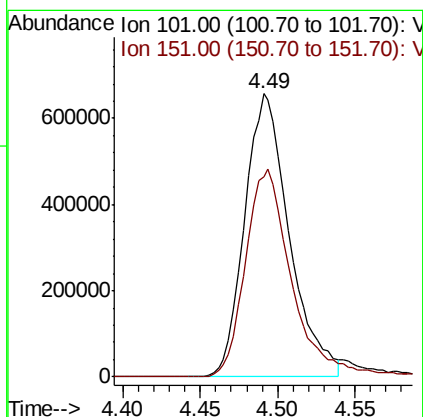
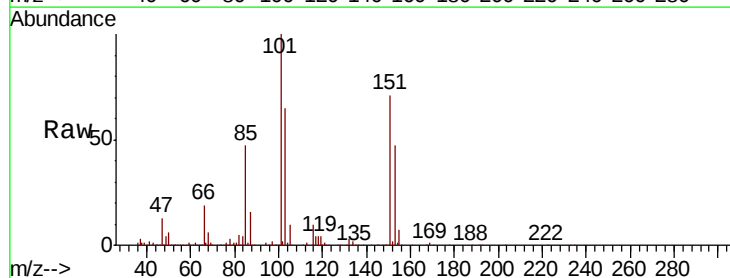
#11
 Trichlorofluoromethane
 Concen: 9.219 ppbv
 RT: 3.96 Instrument: MSVOA_1
 Delta R.T.: ClientSampleId:
 Lab File: VSTDCCC010
 Acq: 8 Jun 2022 12:24

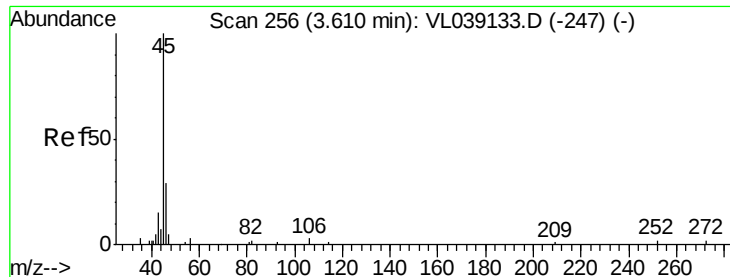
Tot Ion:101 Resp: 1981861
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.272 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VL039231.D
 Acq: 8 Jun 2022 12:24

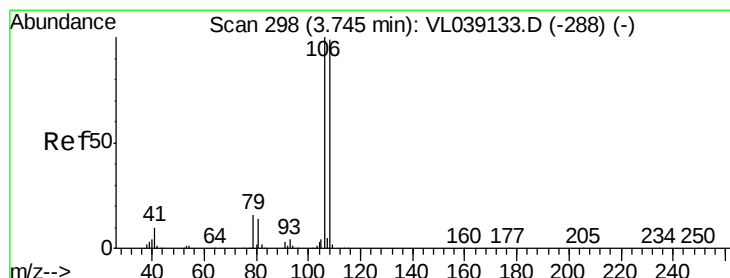
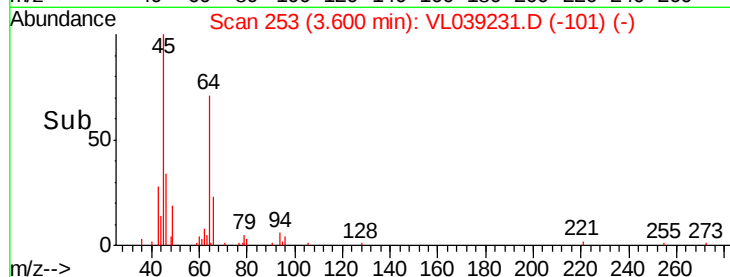
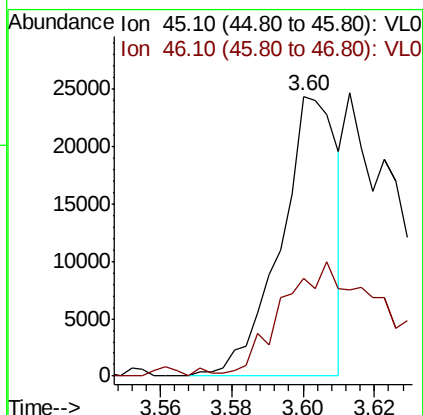
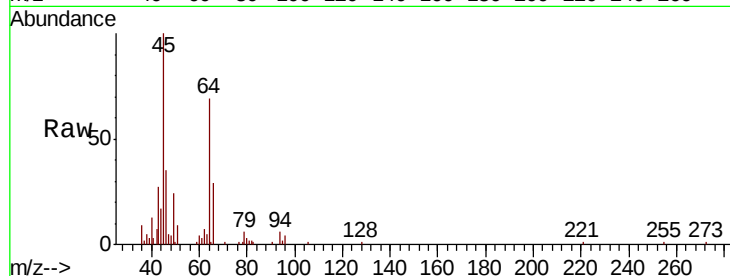
Tgt Ion:101 Resp: 1318150
 Ion Ratio Lower Upper
 101 100
 151 77.0 59.4 89.0





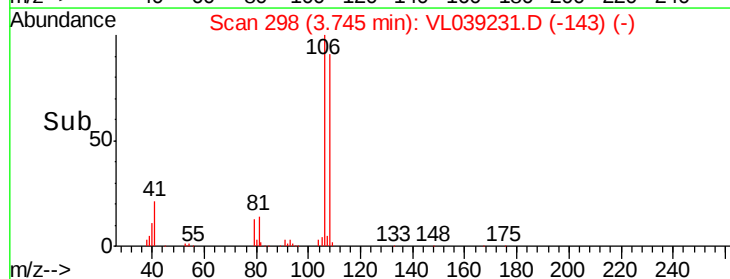
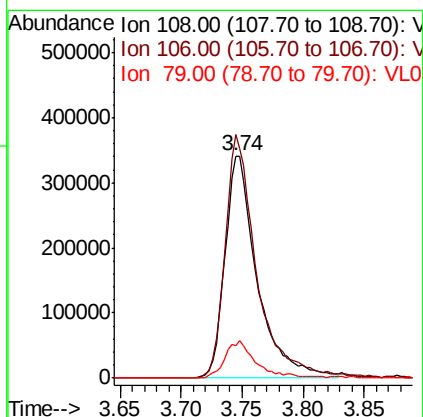
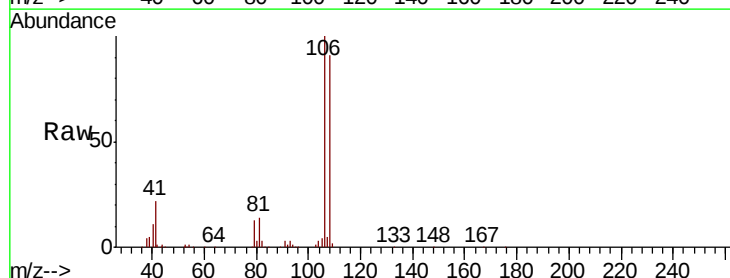
#13
 Ethanol
 Concen: 6.522 ppbv
 RT: 3.60
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Jun 2022 12:24 VSTDCCC010

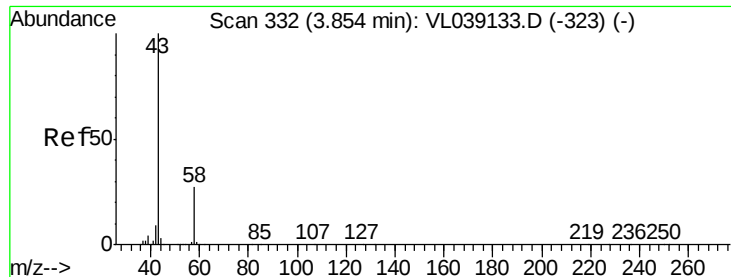
Tot Ion: 45 Resp: 26682
 Ion Ratio Lower Upper
 45 100
 46 100.0 0.0 0.0#



#14
 Bromoethene
 Concen: 9.903 ppbv
 RT: 3.74 min Scan# 298
 Delta R.T. -0.00 min
 Lab File: VL039231.D
 Acq: 8 Jun 2022 12:24

Tgt Ion: 108 Resp: 632936
 Ion Ratio Lower Upper
 108 100
 106 108.4 88.4 132.6
 79 16.8 13.4 20.2





#15

Acetone

Concen: 10.355 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

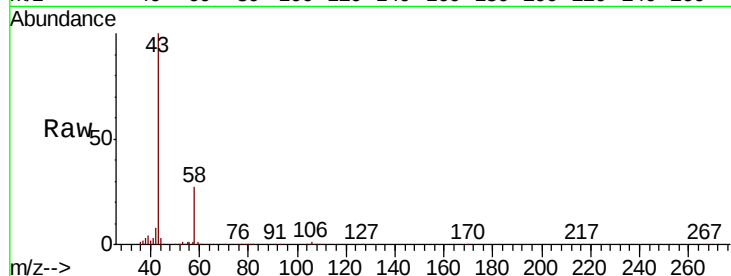
Acq: 8 Jun 2022 12:24 VSTDCCC010

Tot Ion: 43 Resp: 1458555

Ion Ratio Lower Upper

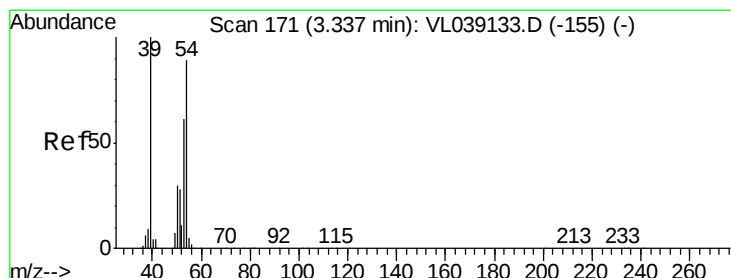
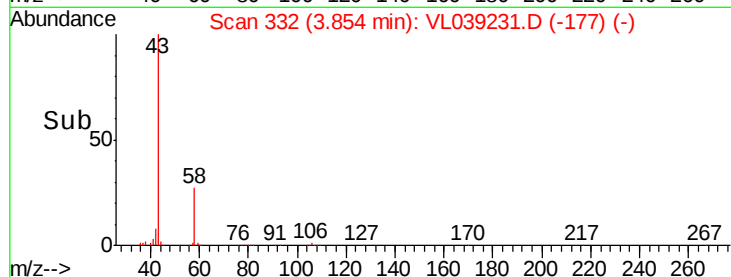
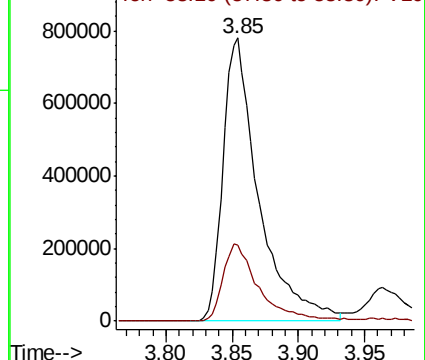
43 100

58 28.0 22.5 33.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.912 ppbv

RT: 3.34 min Scan# 171

Delta R.T. -0.00 min

Lab File: VL039231.D

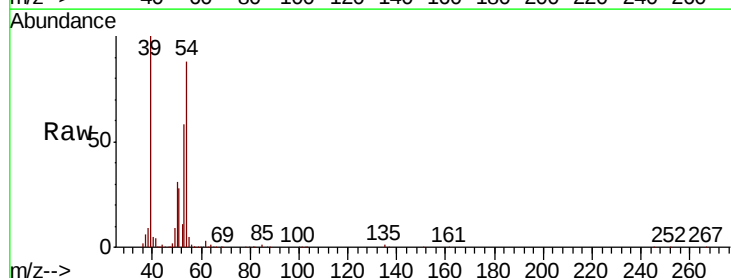
Acq: 8 Jun 2022 12:24

Tgt Ion: 39 Resp: 750519

Ion Ratio Lower Upper

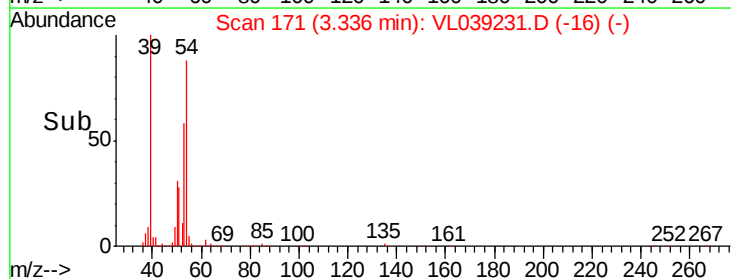
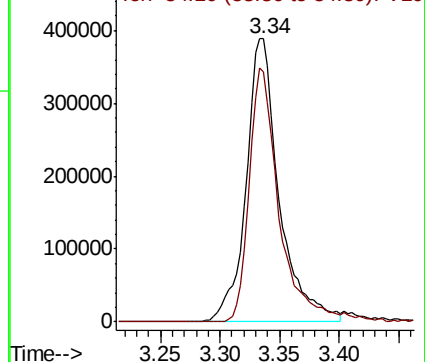
39 100

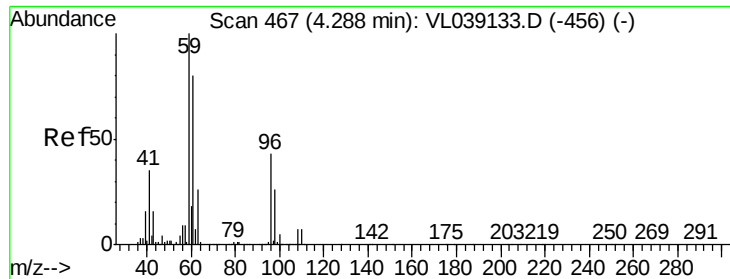
54 82.4 65.8 98.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 11.665 ppbv

RT: 4.29 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

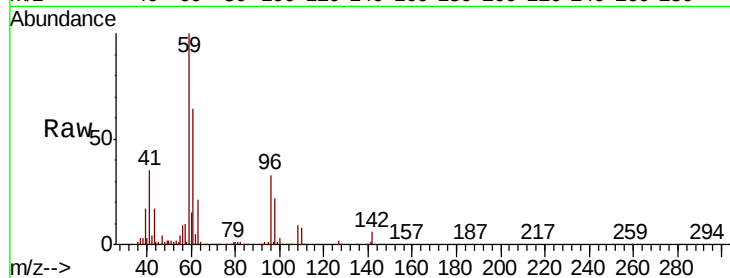
Acq: 8 Jun 2022 12:24

Tot Ion: 59 Resp: 1274377

Ion Ratio Lower Upper

59 100

57 11.1 9.1 13.7



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

600000

400000

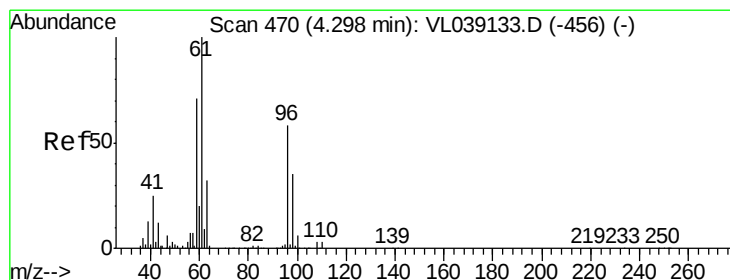
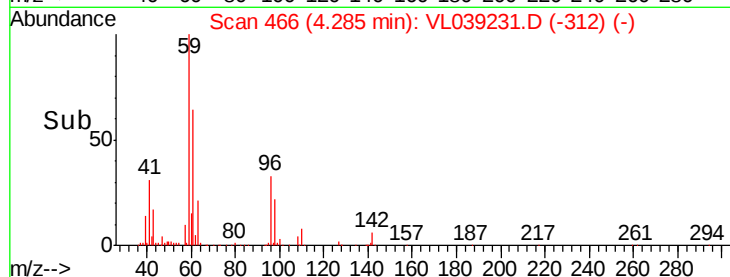
200000

0

4.29

4.20 4.25 4.30 4.35

Time-->



#18

1,1-Dichloroethene

Concen: 9.631 ppbv

RT: 4.29 min Scan# 469

Delta R.T. -0.00 min

Lab File: VL039231.D

Acq: 8 Jun 2022 12:24

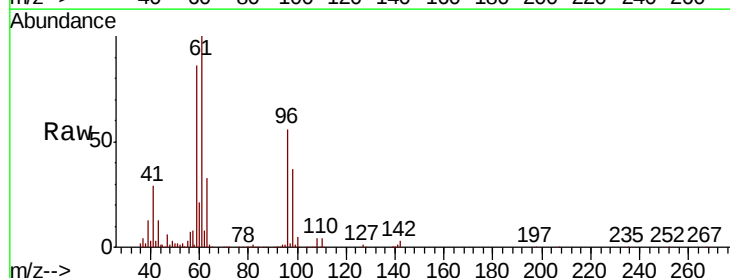
Tgt Ion: 96 Resp: 614223

Ion Ratio Lower Upper

96 100

61 178.8 138.4 207.6

98 66.4 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

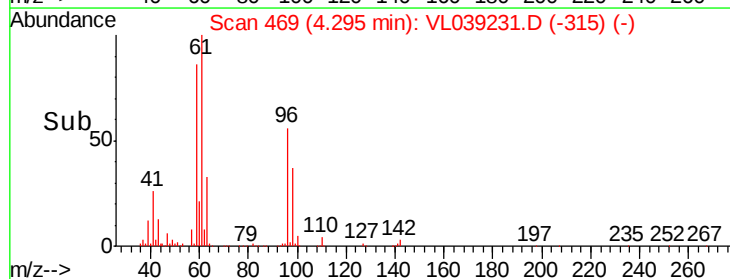
200000

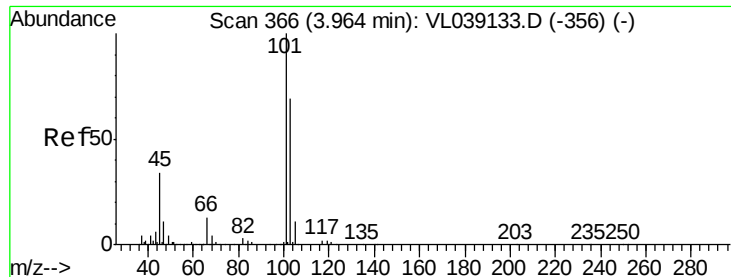
0

4.29

4.25 4.30 4.35

Time-->





#19

Isopropyl Alcohol

Concen: 10.495 ppbv

RT: 3.96 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

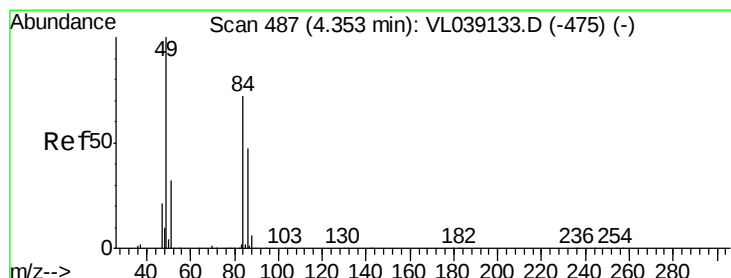
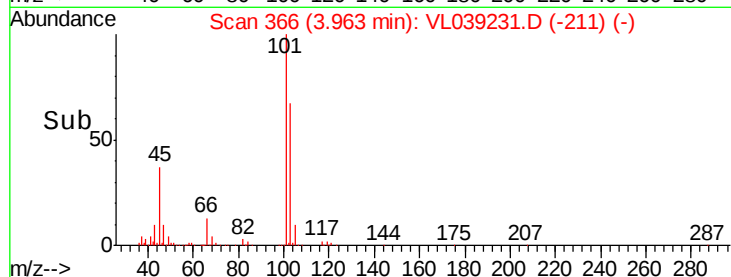
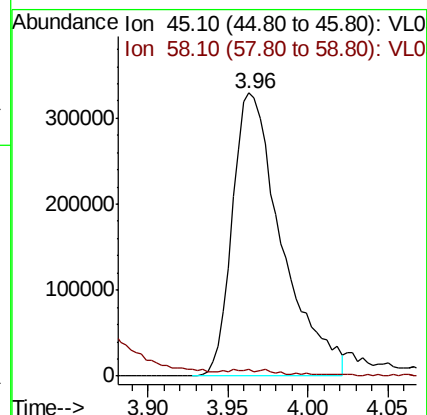
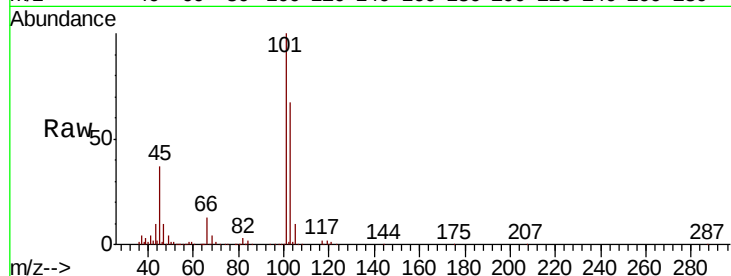
Acq: 8 Jun 2022 12:24 VSTDCCC010

Tot Ion: 45 Resp: 693352

Ion Ratio Lower Upper

45 100

58 2.6 1.8 2.8



#20

Methylene Chloride

Concen: 8.535 ppbv

RT: 4.35 min Scan# 487

Delta R.T. -0.00 min

Lab File: VL039231.D

Acq: 8 Jun 2022 12:24

Tgt Ion: 84 Resp: 506575

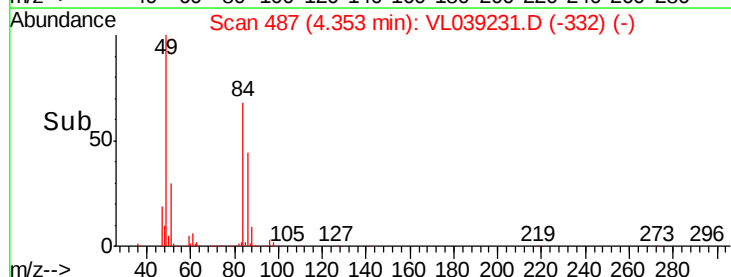
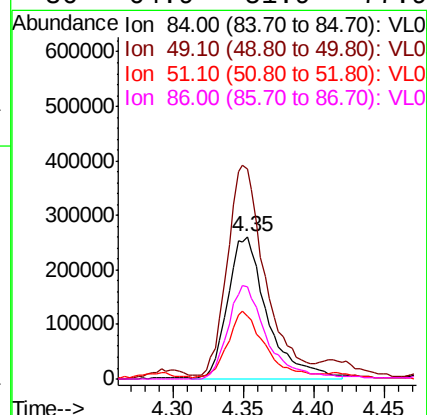
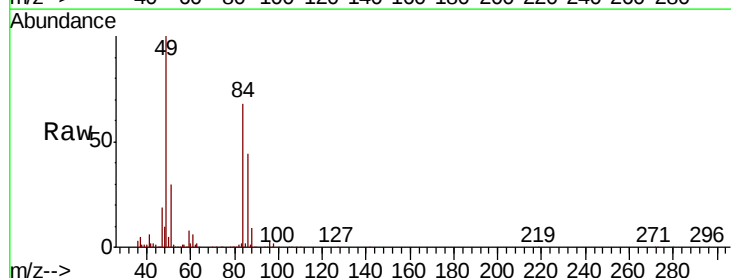
Ion Ratio Lower Upper

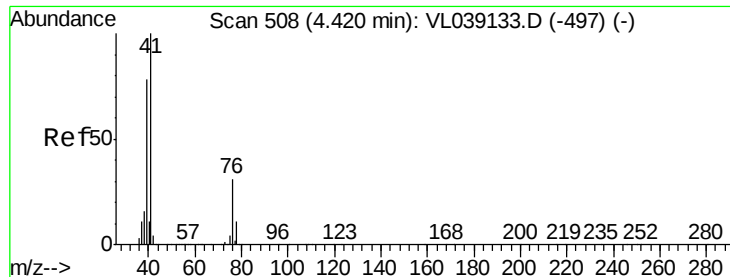
84 100

49 145.1 111.1 166.7

51 43.1 35.3 52.9

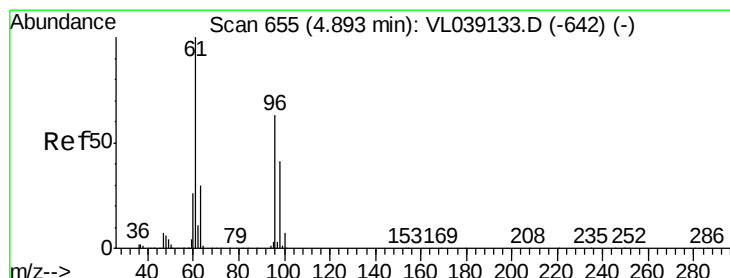
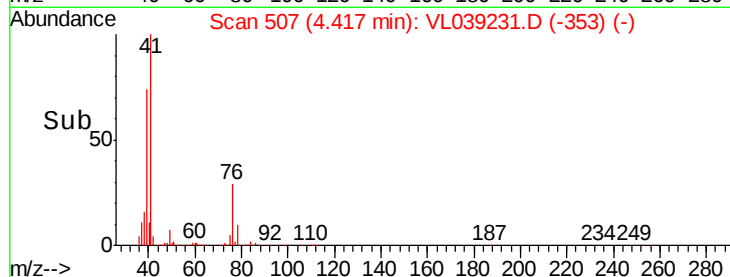
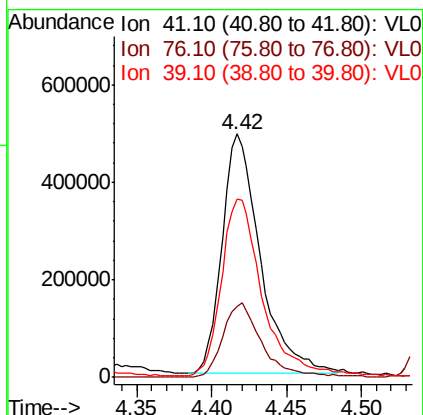
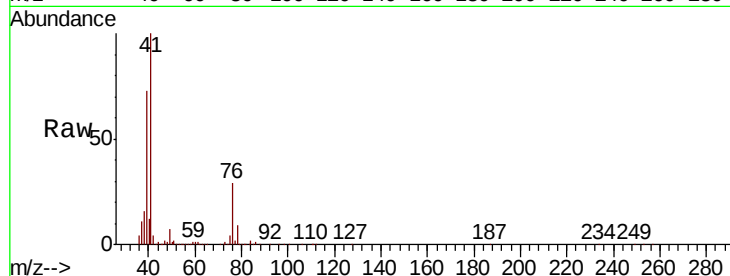
86 64.9 51.9 77.9





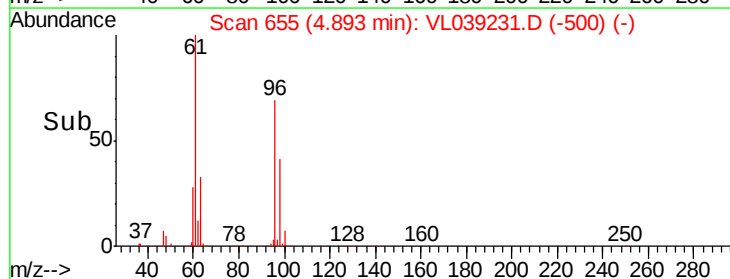
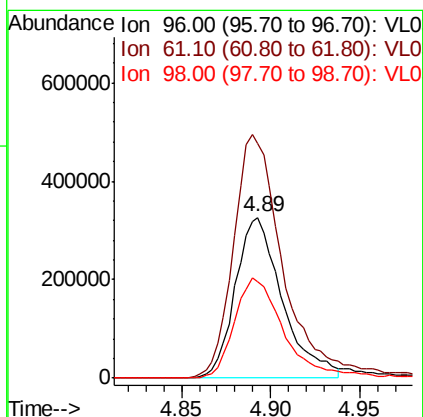
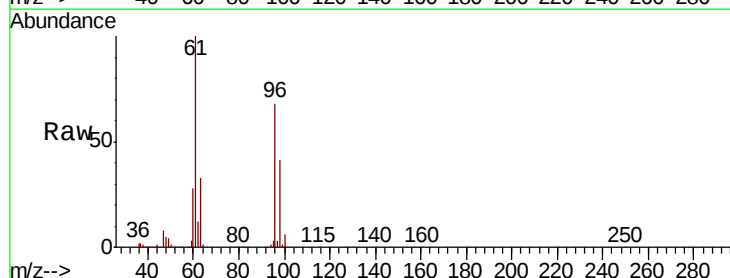
#21
 Allvl Chloride
 Concen: 9.227 ppbv
 RT: 4.42
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 8 Jun 2022 12:24

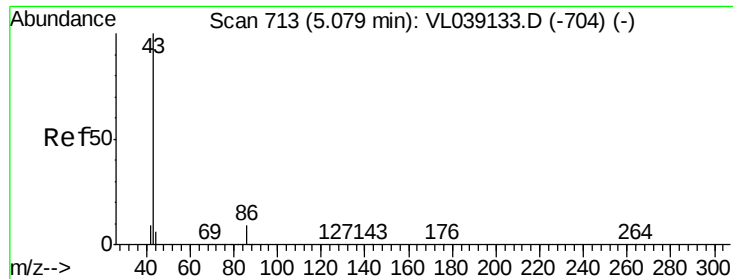
Tot Ion	Ratio	Lower	Upper
41	100		
76	31.9	24.2	36.2
39	80.7	62.2	93.2



#22
 trans-1,2-Dichloroethene
 Concen: 9.756 ppbv
 RT: 4.89 min Scan# 655
 Delta R.T. -0.00 min
 Lab File: VL039231.D
 Acq: 8 Jun 2022 12:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.0	126.6	190.0
98	60.4	52.5	78.7





#23

Vinyl Acetate

Concen: 8.671 ppbv

RT: 5.08 Instrument: MSVOA_1

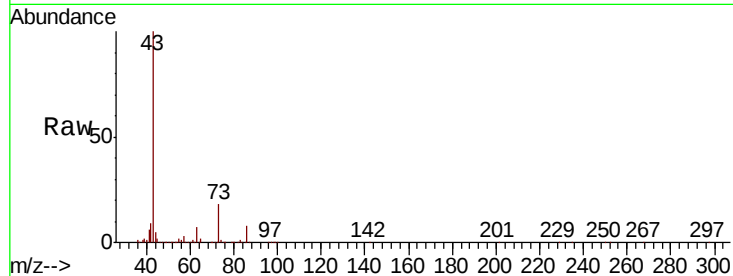
Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

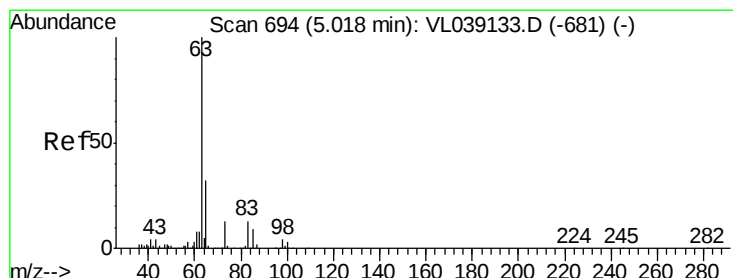
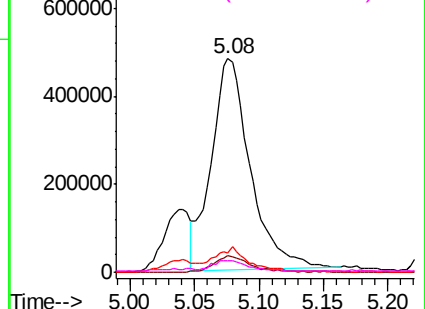
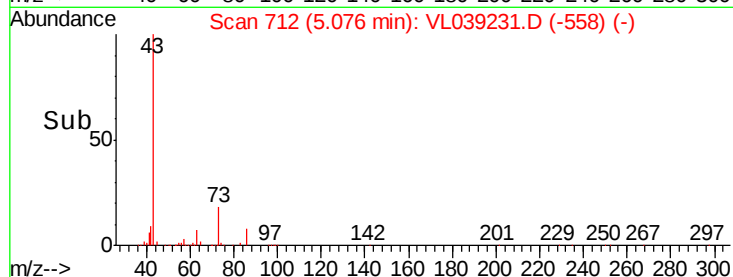
Acq: 8 Jun 2022 12:24

Tot Ion: 43 Resp: 1010467

Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.0	9.0
42	8.7	8.2	12.4
44	4.6	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: 7.709 ppbv

RT: 5.02 min Scan# 694

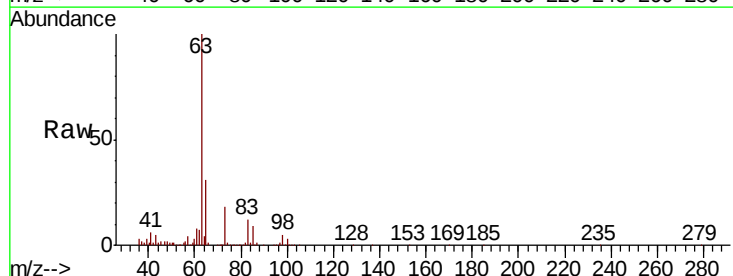
Delta R.T. -0.00 min

Lab File: VL039231.D

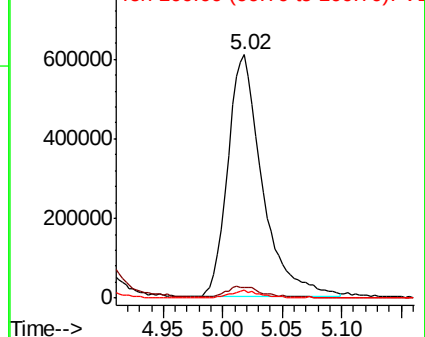
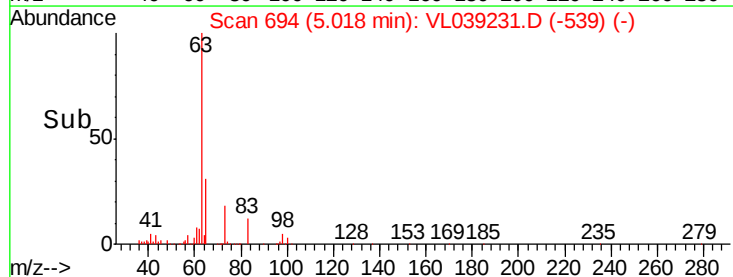
Acq: 8 Jun 2022 12:24

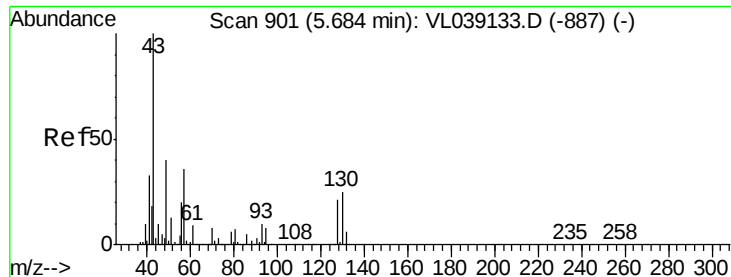
Tgt Ion: 63 Resp: 1230914

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.2
100	3.1	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

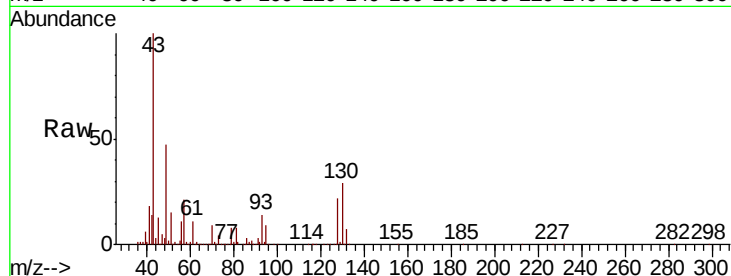




#25
Ethyl Acetate
Concen: 10.249 ppbv
RT: 5.68
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 8 Jun 2022 12:24
VSTDCCC010

Tot Ion: 43 Resp: 3253715

Ion	Ratio	Lower	Upper
43	100		
45	10.9	8.2	12.2
61	10.5	8.4	12.6
70	7.2	5.6	8.4



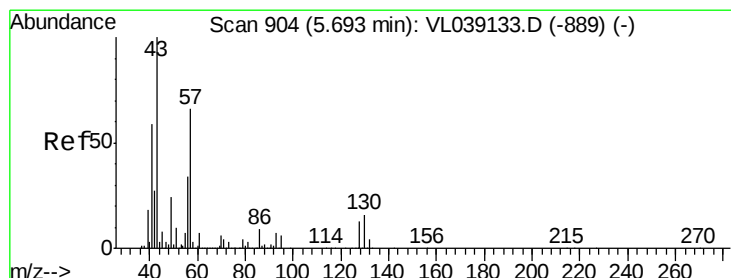
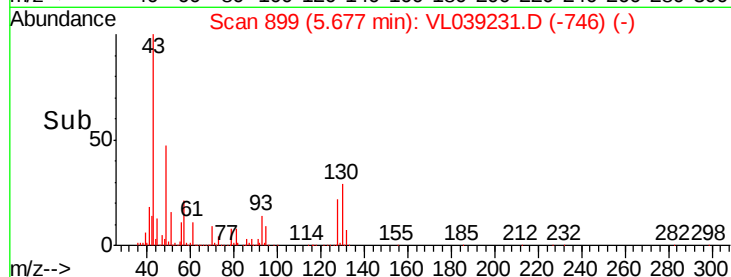
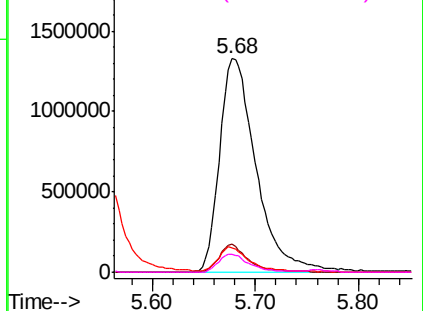
Abundance

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

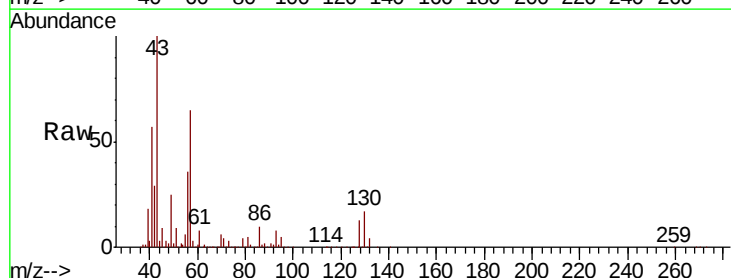
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.159 ppbv
RT: 5.69 min Scan# 904
Delta R.T.: -0.00 min
Lab File: VL039231.D
Acq: 8 Jun 2022 12:24

Tgt Ion: 57 Resp: 1277732

Ion	Ratio	Lower	Upper
57	100		
41	91.3	72.4	108.6
43	258.9	187.0	280.6
56	52.9	41.8	62.6



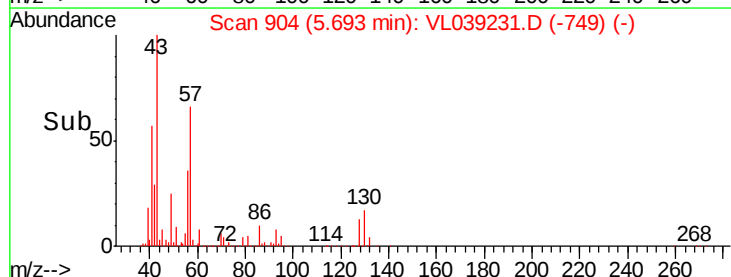
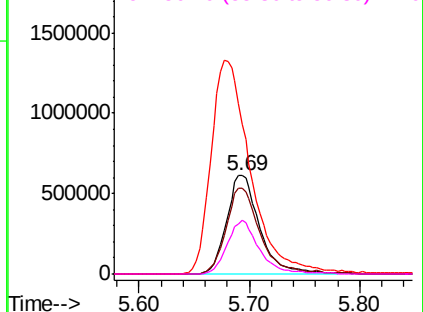
Abundance

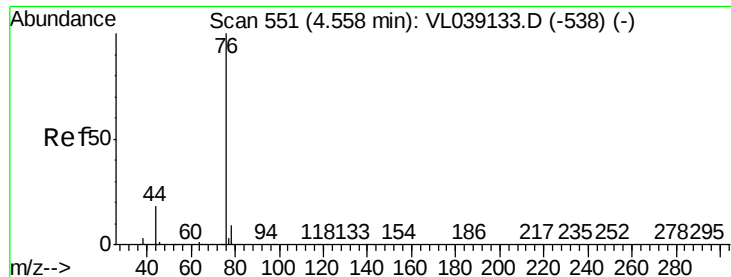
Ion 57.10 (56.80 to 57.80): VL0

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

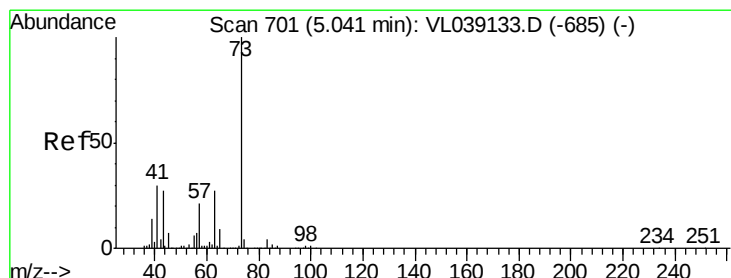
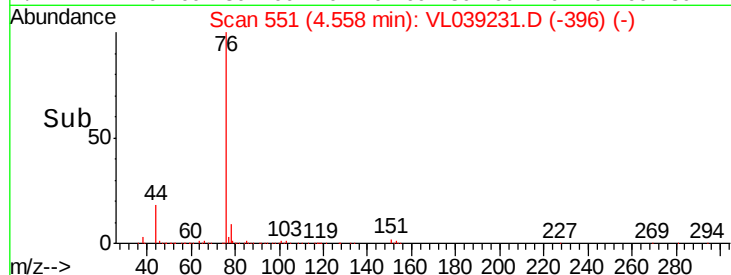
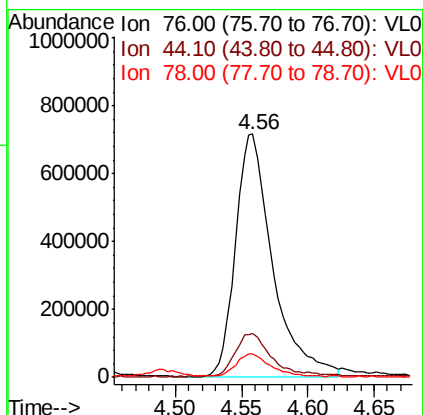
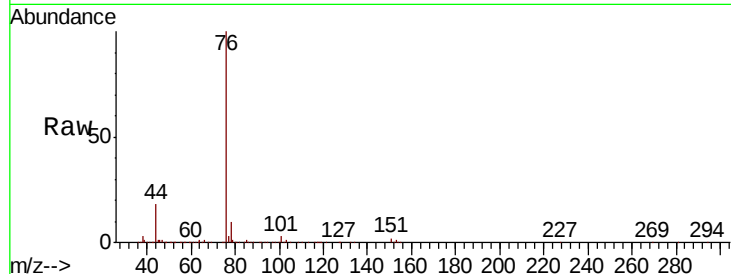




#27
Carbon Disulfide
Concen: 9.664 ppbv
RT: 4.56
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Jun 2022 12:24

Tot Ion: 76 Resp: 1397282

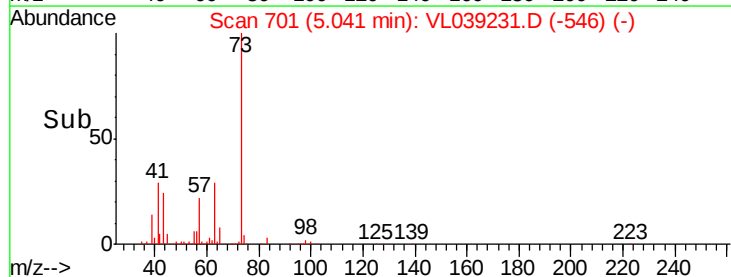
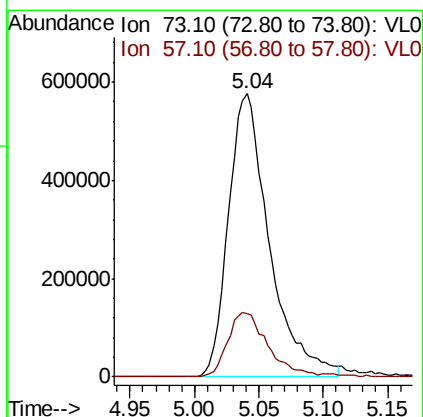
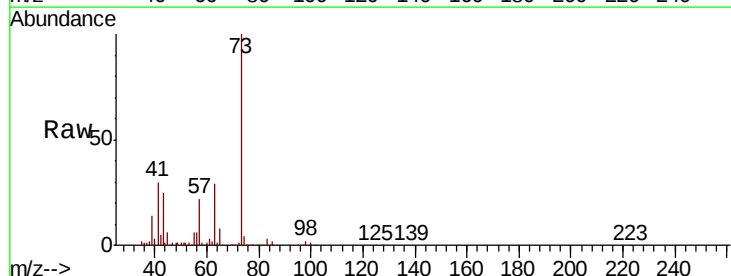
Ion	Ratio	Lower	Upper
76	100		
44	17.5	14.4	21.6
78	10.1	7.7	11.5

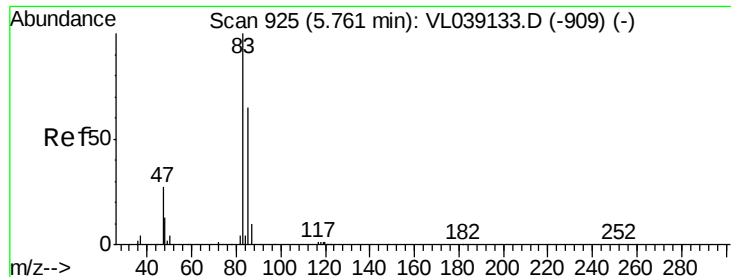


#28
Methyl tert-Butyl Ether
Concen: 8.247 ppbv
RT: 5.04 min Scan# 701
Delta R.T. -0.00 min
Lab File: VL039231.D
Acq: 8 Jun 2022 12:24

Tgt Ion: 73 Resp: 1270189

Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.6	27.8





#29

Chloroform

Concen: 9.210 ppbv

RT: 5.76 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

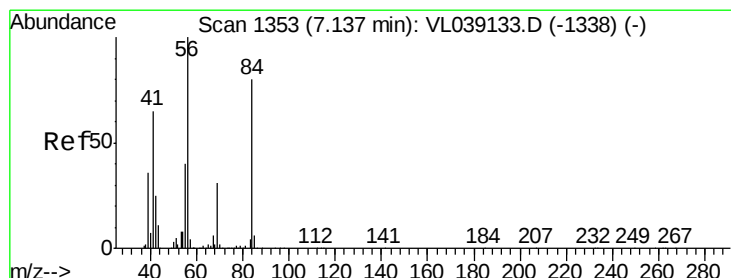
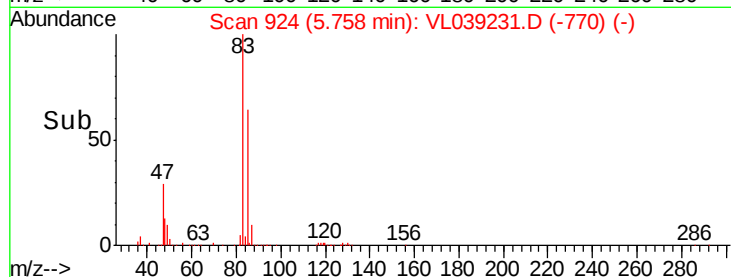
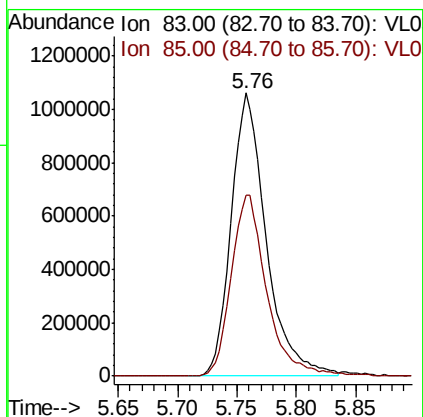
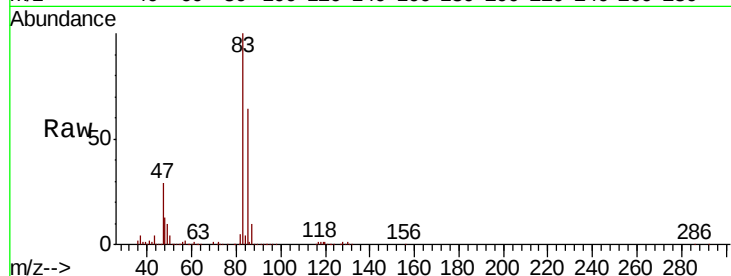
Acq: 8 Jun 2022 12:24

Tot Ion: 83 Resp: 2162132

Ion Ratio Lower Upper

83 100

85 63.9 52.4 78.6



#30

Cyclohexane

Concen: 8.922 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. -0.00 min

Lab File: VL039231.D

Acq: 8 Jun 2022 12:24

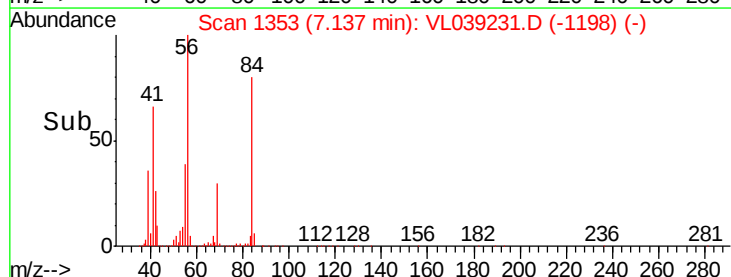
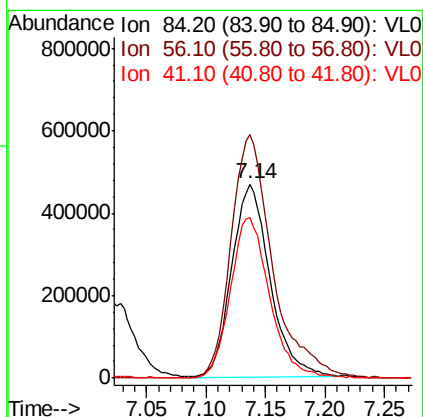
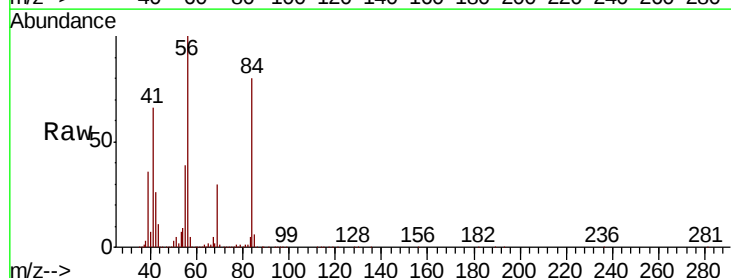
Tgt Ion: 84 Resp: 1045671

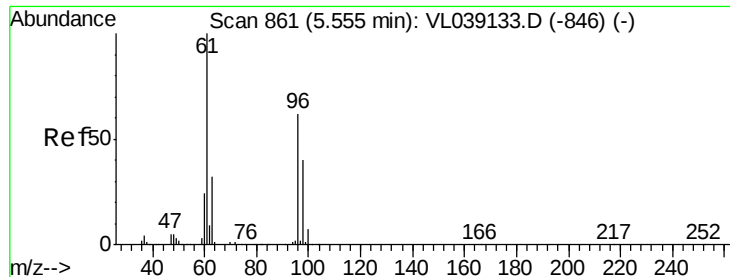
Ion Ratio Lower Upper

84 100

56 137.5 110.6 165.8

41 85.6 68.9 103.3





#31

cis-1,2-Dichloroethene

Concen: 9.404 ppbv

RT: 5.55 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 8 Jun 2022 12:24 VSTDCCC010

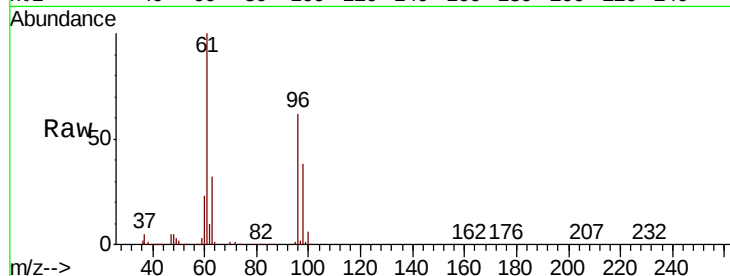
Tot Ion: 61 Resp: 1337734

Ion Ratio Lower Upper

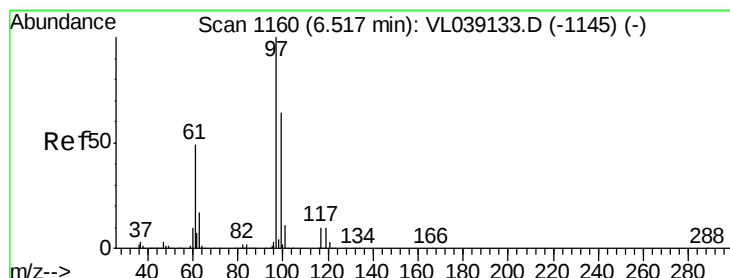
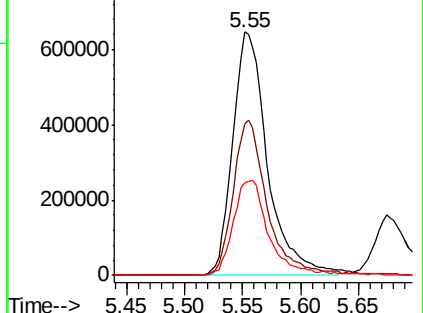
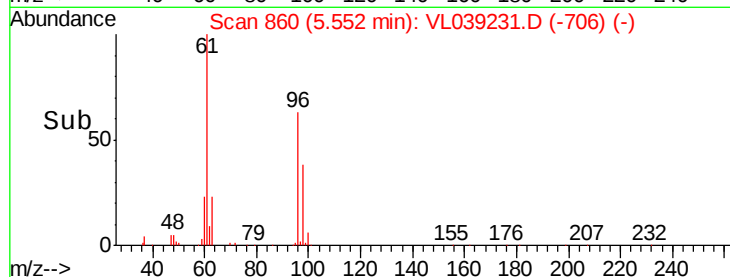
61 100

96 62.2 49.9 74.9

98 38.0 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



#32

1,1,1-Trichloroethane

Concen: 9.832 ppbv

RT: 6.52 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VL039231.D

Acq: 8 Jun 2022 12:24

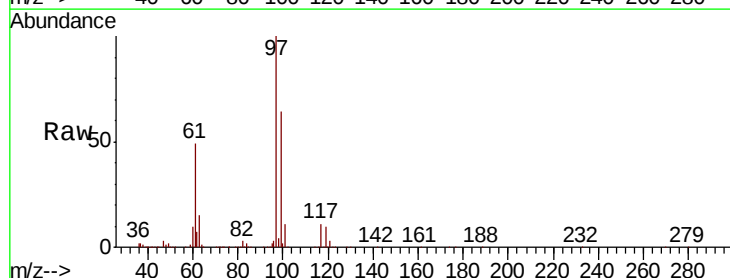
Tgt Ion: 97 Resp: 2258550

Ion Ratio Lower Upper

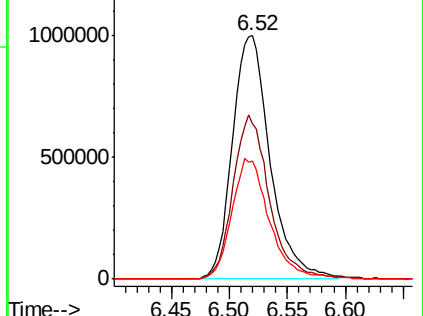
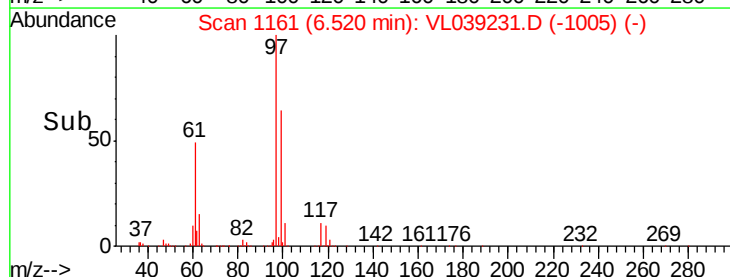
97 100

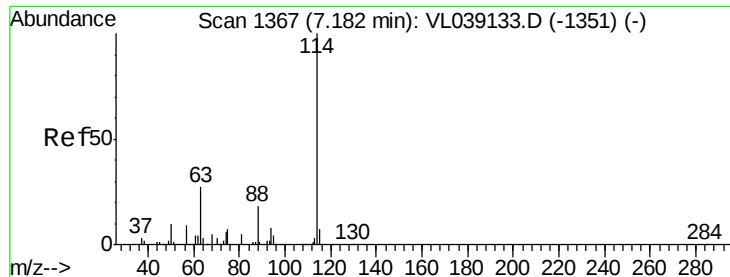
99 65.3 52.1 78.1

61 49.5 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

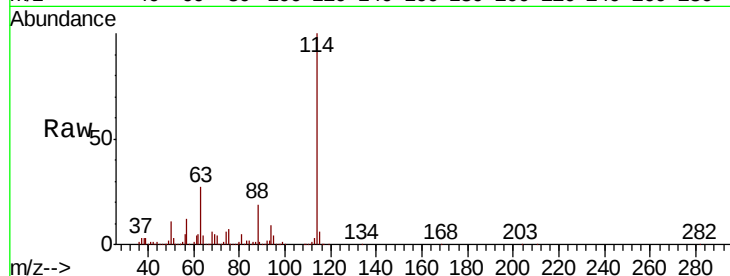




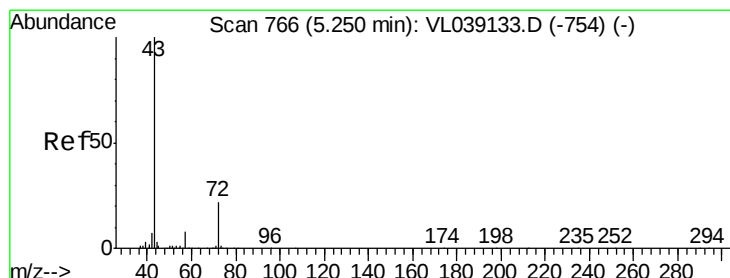
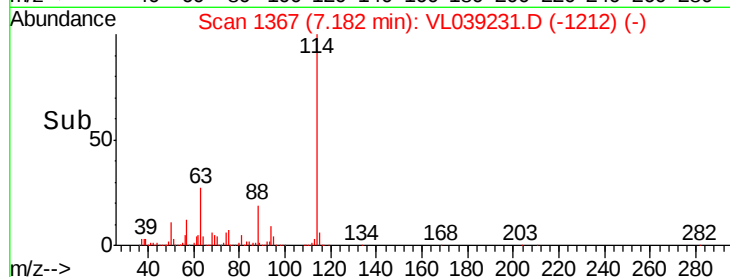
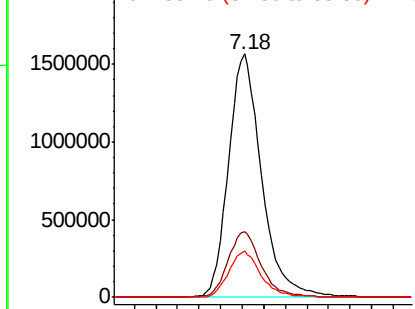
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Jun 2022 12:24

Tot Ion:114 Resp: 3355628

Ion	Ratio	Lower	Upper
114	100		
63	27.3	21.7	32.5
88	18.8	14.8	22.2



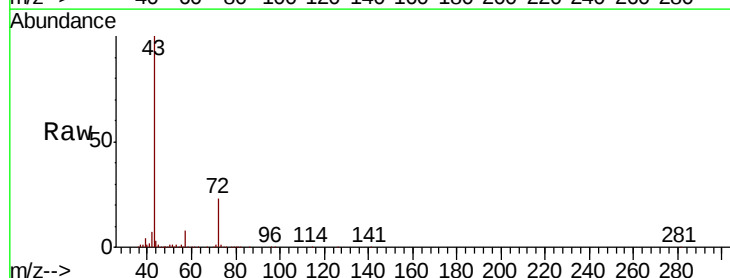
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



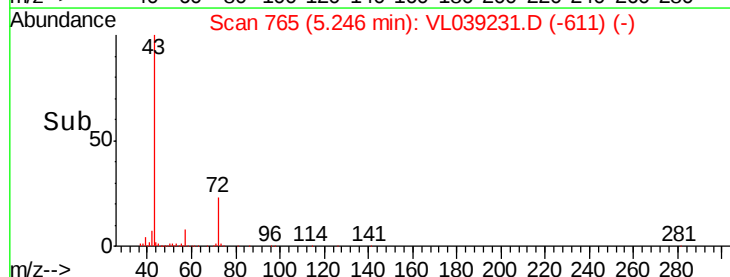
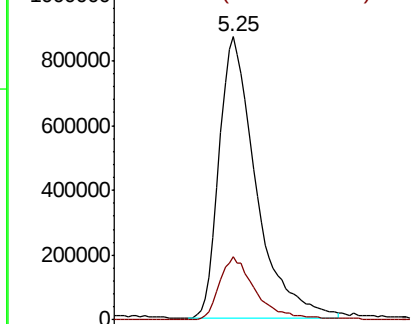
#34
 2-Butanone
 Concen: 9.789 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VL039231.D
 Acq: 8 Jun 2022 12:24

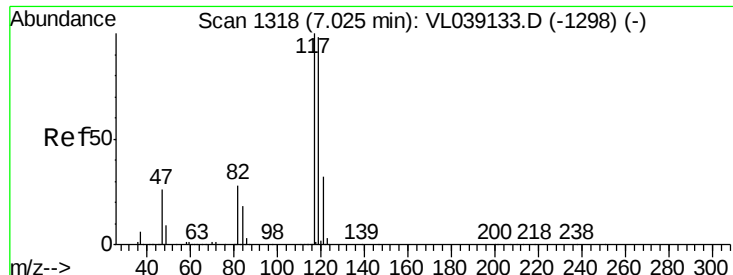
Tgt Ion: 43 Resp: 1784528

Ion	Ratio	Lower	Upper
43	100		
72	22.7	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: 9.676 ppbv

RT: 7.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Jun 2022 12:24 VSTDCCC010

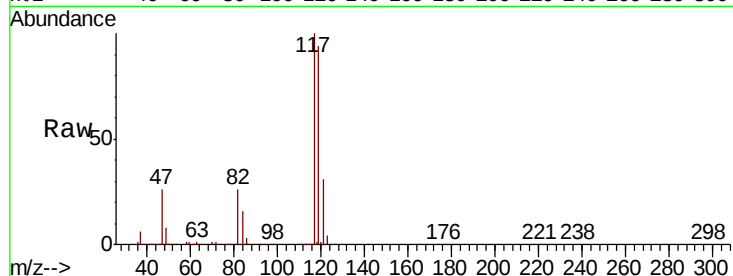
Tot Ion:117 Resp: 2369875

Ion Ratio Lower Upper

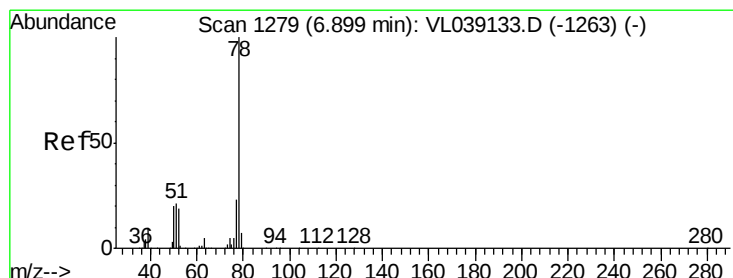
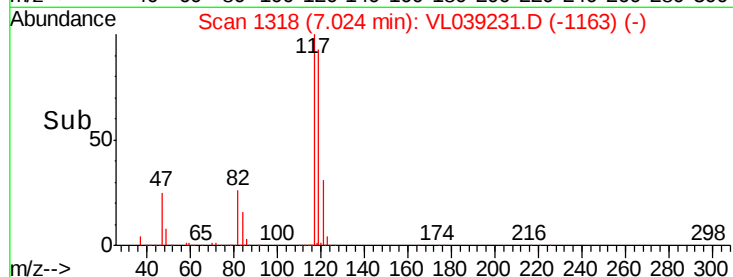
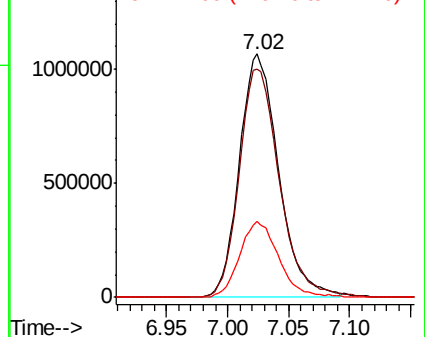
117 100

119 93.9 78.6 118.0

121 31.3 25.4 38.0



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



#36

Benzene

Concen: 9.219 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. -0.00 min

Lab File: VL039231.D

Acq: 8 Jun 2022 12:24

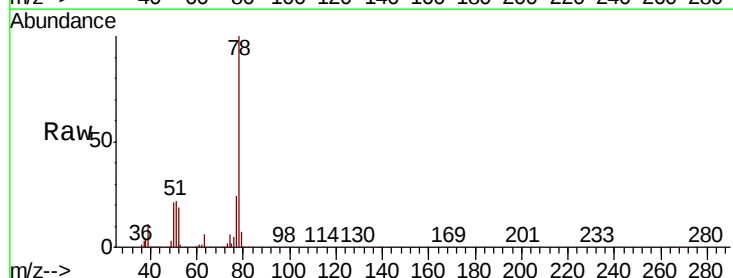
Tgt Ion: 78 Resp: 2511460

Ion Ratio Lower Upper

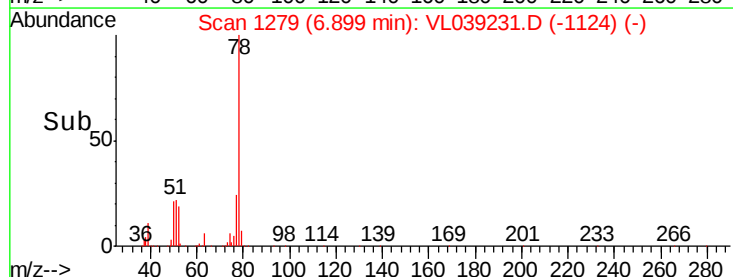
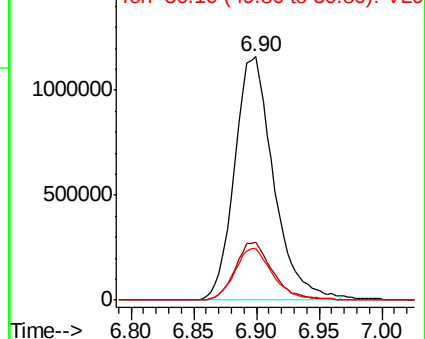
78 100

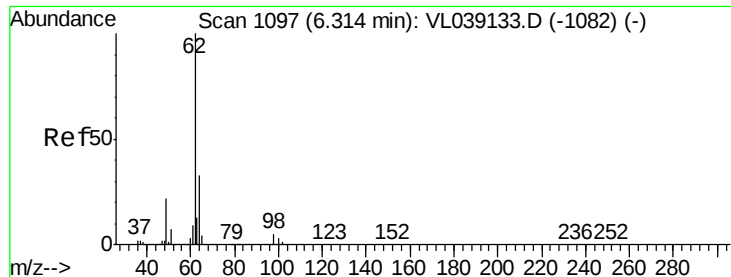
77 23.9 18.6 27.8

50 21.4 15.8 23.8



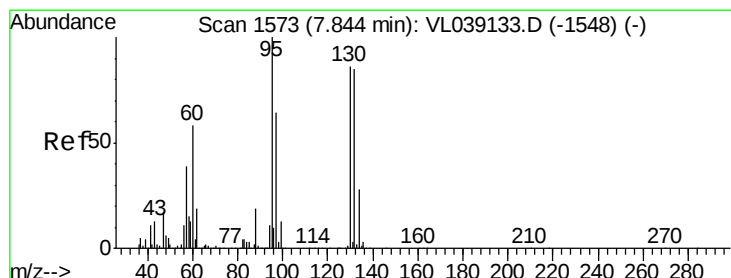
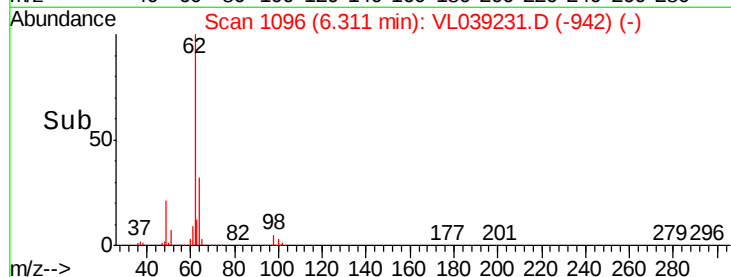
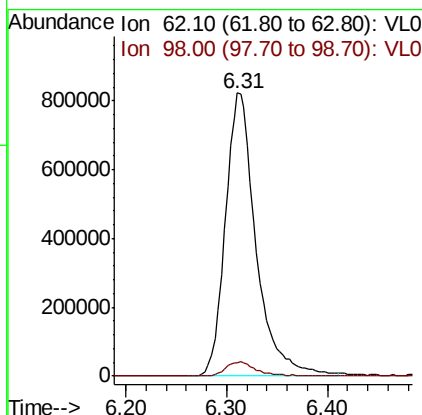
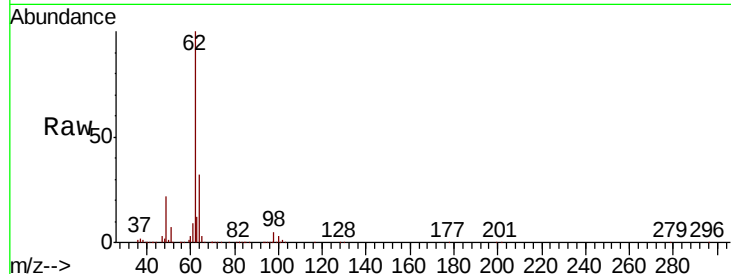
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





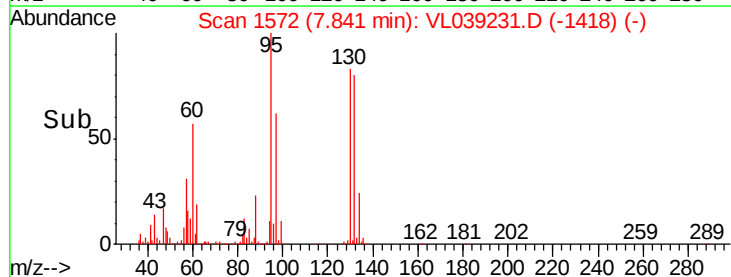
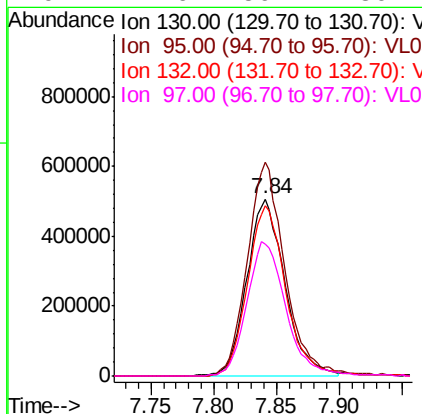
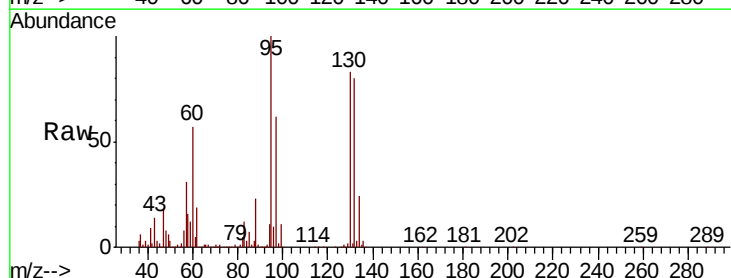
#37
 1,2-Dichloroethane
 Concen: 9.708 ppbv
 RT: 6.31
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 8 Jun 2022 12:24

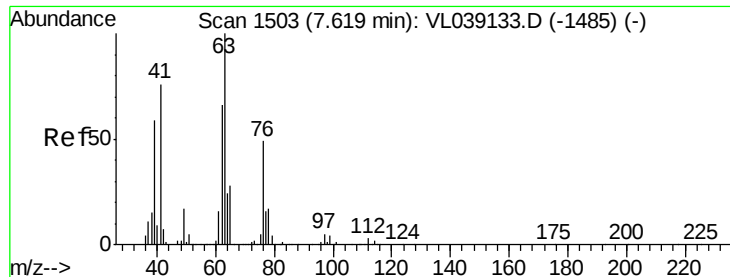
Tot Ion: 62 Resp: 1740641
 Ion Ratio Lower Upper
 62 100
 98 5.2 4.3 6.5



#38
 Trichloroethene
 Concen: 8.498 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL039231.D
 Acq: 8 Jun 2022 12:24

Tgt Ion:130 Resp: 1063372
 Ion Ratio Lower Upper
 130 100
 95 120.8 93.3 139.9
 132 96.2 79.0 118.4
 97 74.6 59.4 89.2





#39

1,2-Dichloropropane

Concen: 9.285 ppbv

RT: 7.62 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Jun 2022 12:24 VSTDCCC010

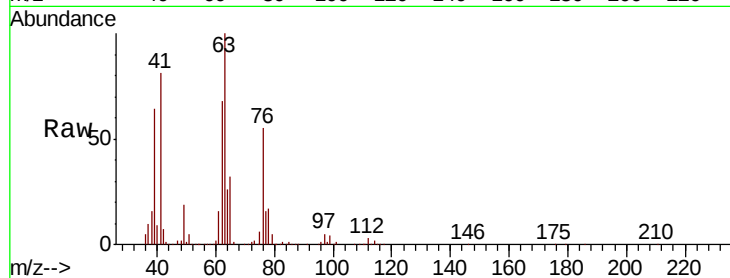
Tot Ion: 63 Resp: 1006108

Ion Ratio Lower Upper

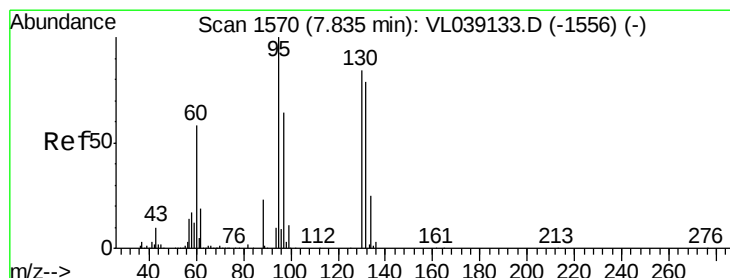
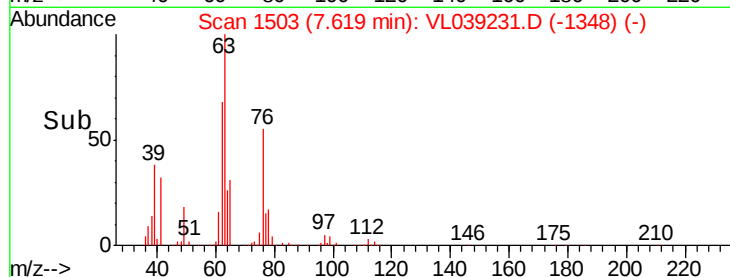
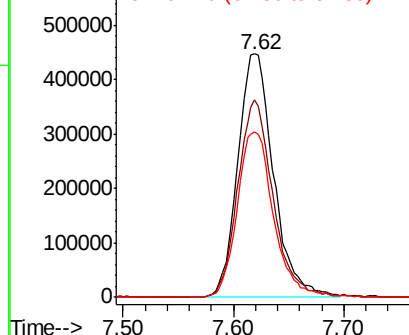
63 100

41 80.9 60.8 91.2

62 67.8 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: 10.046 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VL039231.D

Acq: 8 Jun 2022 12:24

Tgt Ion: 88 Resp: 358366

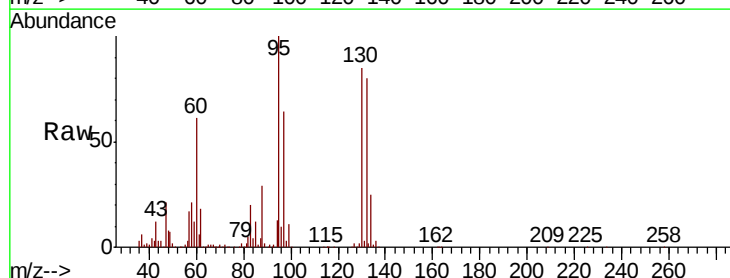
Ion Ratio Lower Upper

88 100

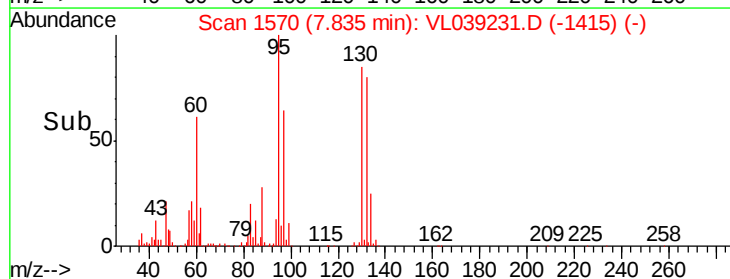
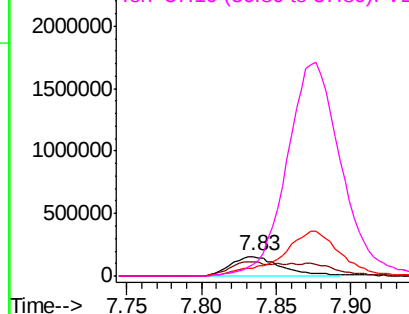
58 135.0 111.2 166.8

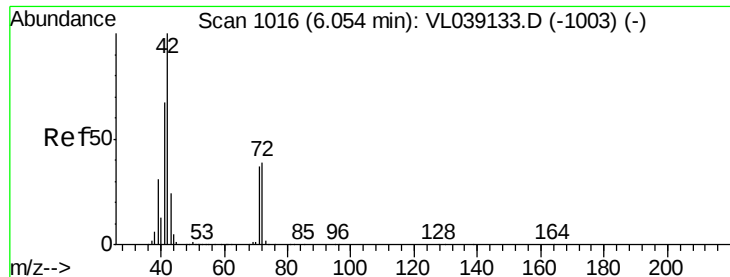
43 0.0 234.2 351.4#

57 0.0 1039.9 1559.9#



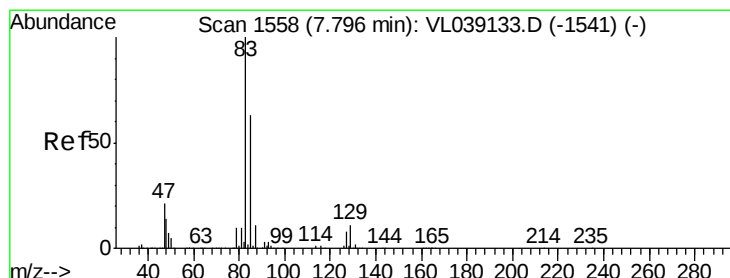
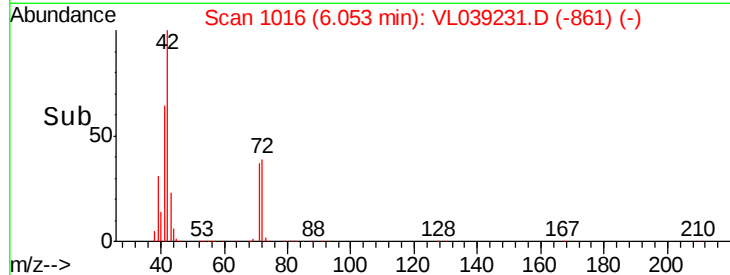
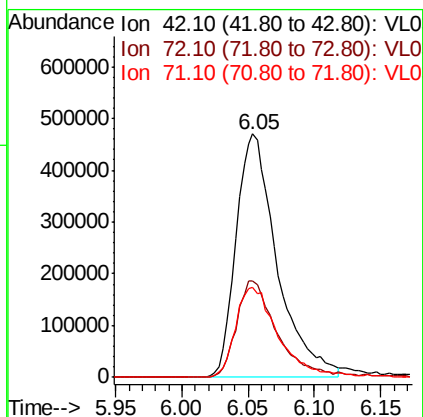
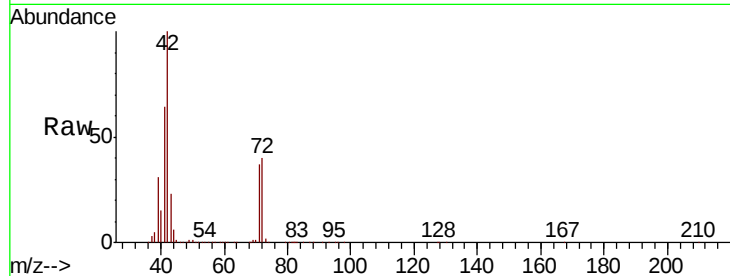
Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





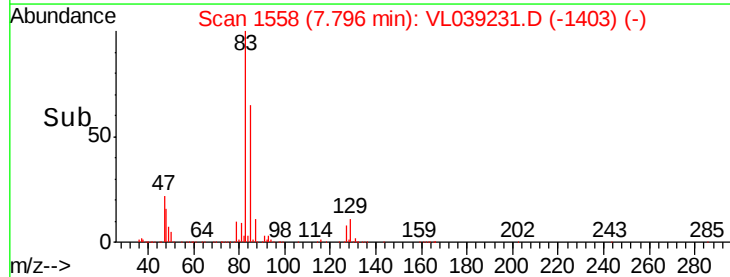
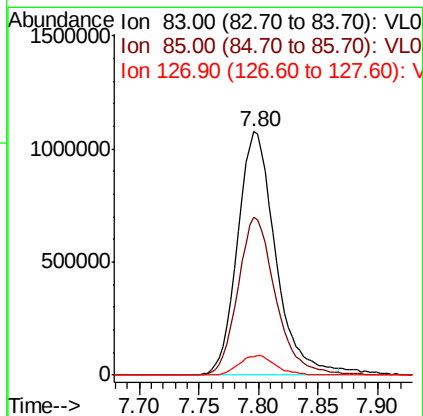
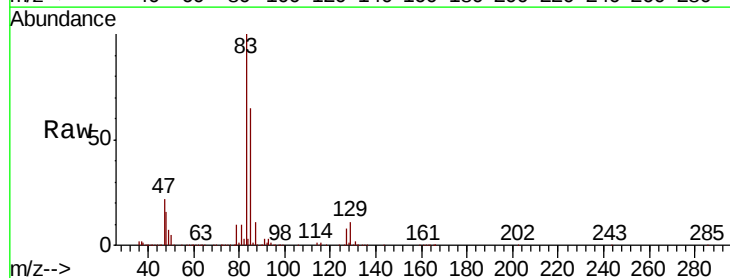
#41
Tetrahydrofuran
Concen: 9.215 ppbv
RT: 6.05
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Jun 2022 12:24

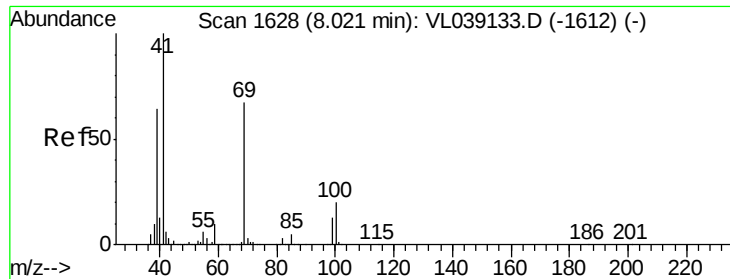
Tot Ion: 42 Resp: 1010365
Ion Ratio Lower Upper
42 100
72 40.8 32.0 48.0
71 39.5 31.1 46.7



#42
Bromodichloromethane
Concen: 9.577 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VL039231.D
Acq: 8 Jun 2022 12:24

Tgt Ion: 83 Resp: 2382906
Ion Ratio Lower Upper
83 100
85 64.8 50.2 75.4
127 7.6 6.6 9.8





#43

Methyl Methacrylate

Concen: 10.604 ppbv

RT: 8.02

Instrument: MSVOA_1

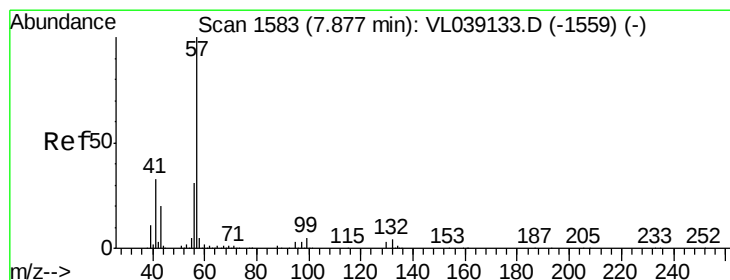
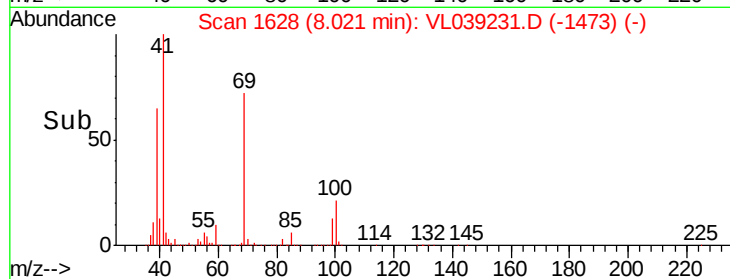
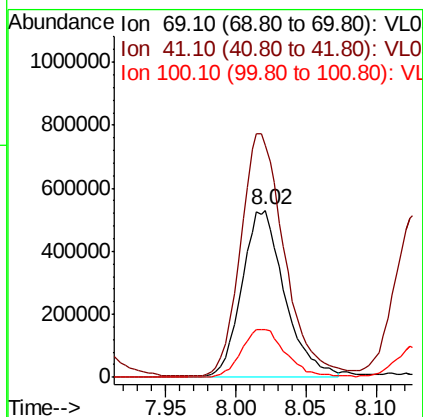
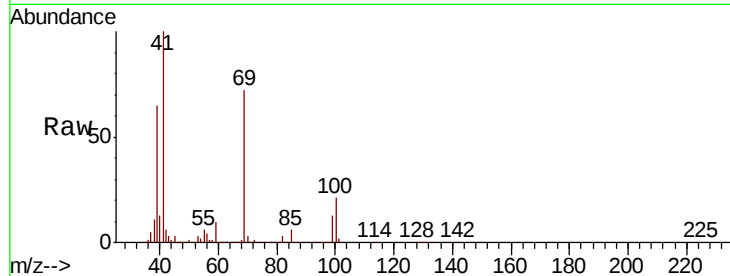
Delta R.T.:

Lab File: ClientSampleId:

Acq: 8 Jun 2022 12:24

Tot Ion: 69 Resp: 1125276

Ion	Ratio	Lower	Upper
69	100		
41	149.7	121.9	182.9
100	29.7	24.1	36.1



#44

2,2,4-Trimethylpentane

Concen: 9.119 ppbv

RT: 7.88 min Scan# 1583

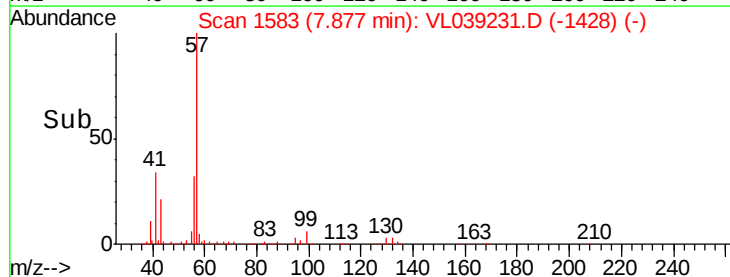
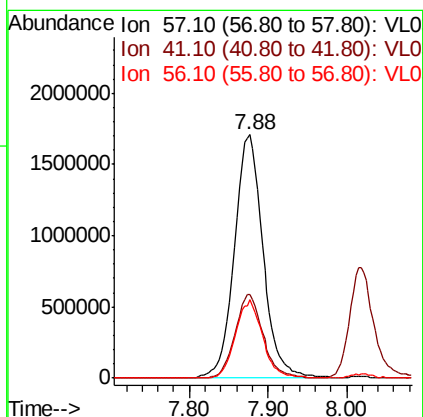
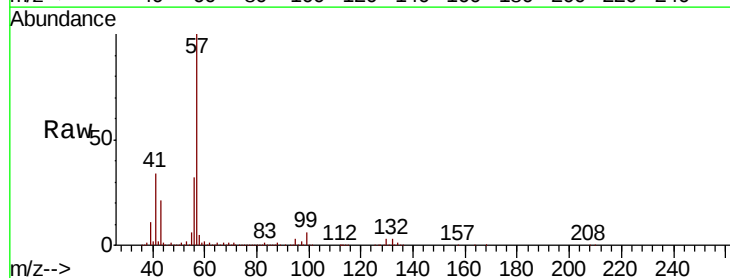
Delta R.T. -0.00 min

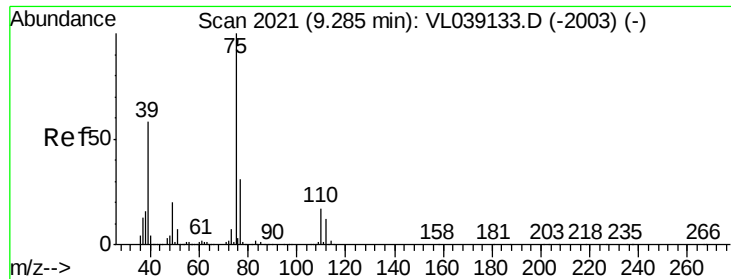
Lab File: VL039231.D

Acq: 8 Jun 2022 12:24

Tgt Ion: 57 Resp: 4345792

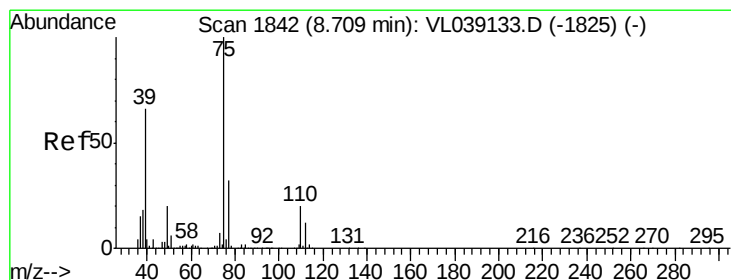
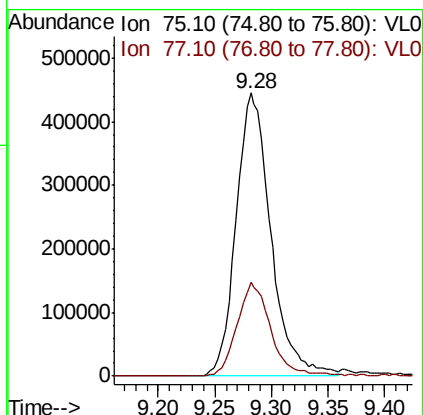
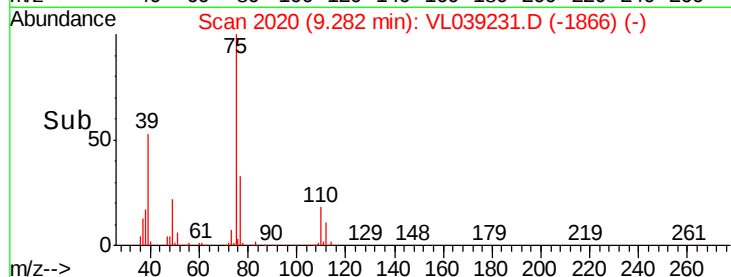
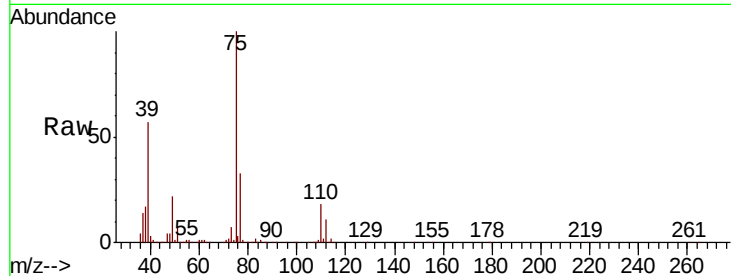
Ion	Ratio	Lower	Upper
57	100		
41	33.5	26.2	39.4
56	30.7	24.7	37.1





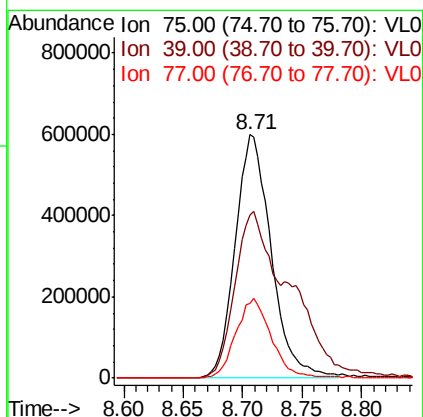
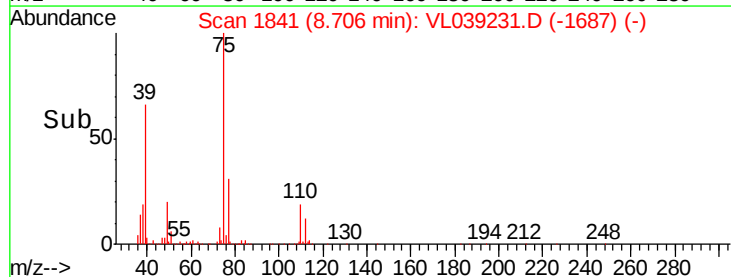
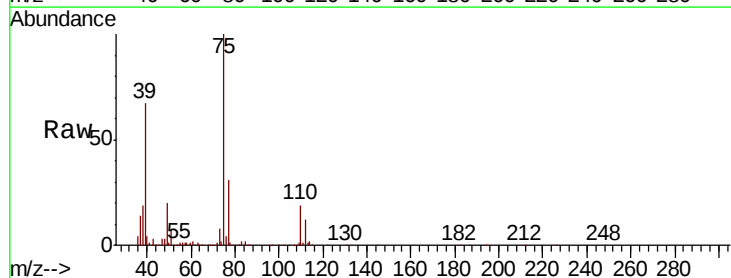
#45
 t-1,3-Dichloropropene
 Concen: 8.600 ppbv
 RT: 9.28
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 8 Jun 2022 12:24

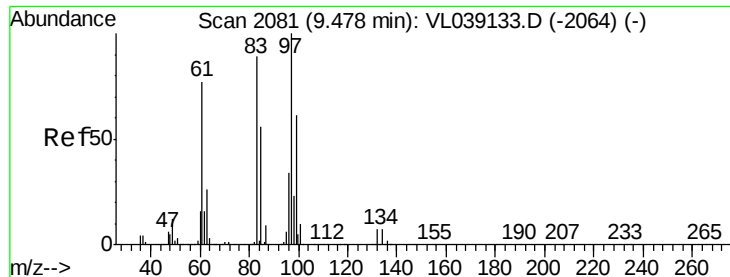
Tot Ion: 75 Resp: 950410
 Ion Ratio Lower Upper
 75 100
 77 33.2 24.4 36.6



#46
 cis-1,3-Dichloropropene
 Concen: 8.621 ppbv
 RT: 8.71 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VL039231.D
 Acq: 8 Jun 2022 12:24

Tgt Ion: 75 Resp: 1258560
 Ion Ratio Lower Upper
 75 100
 39 66.6 52.4 78.6
 77 30.7 25.5 38.3

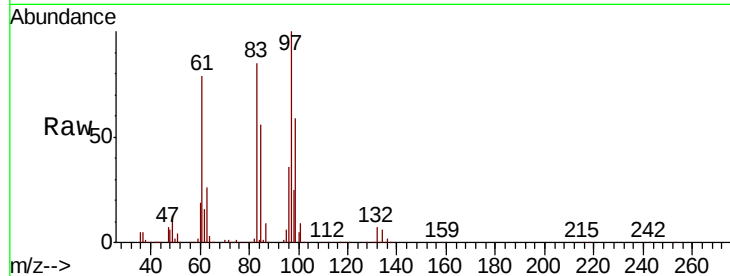




#47
 1,1,2-Trichloroethane
 Concen: 9.483 ppbv
 RT: 9.48
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 8 Jun 2022 12:24

Tot Ion: 97 Resp: 1072060

Ion	Ratio	Lower	Upper
97	100		
83	85.0	71.6	107.4
85	55.7	44.8	67.2
99	59.2	49.0	73.4

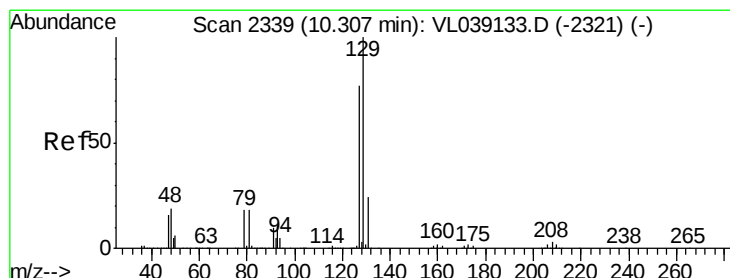
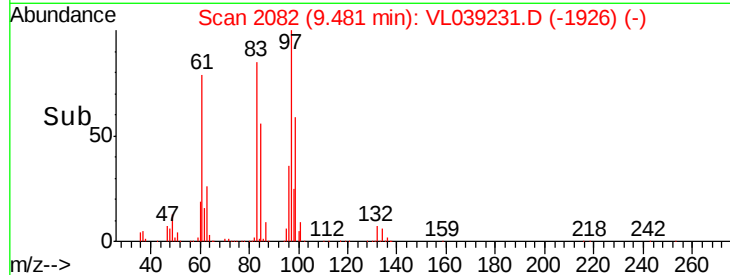
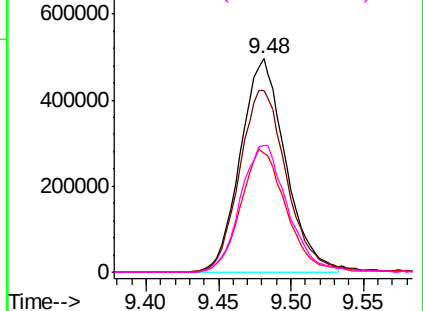


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

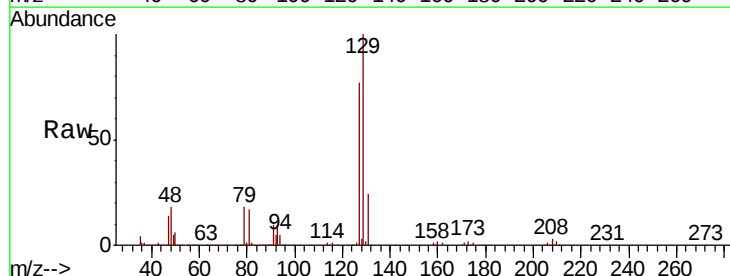
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 9.921 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T. 0.00 min
 Lab File: VL039231.D
 Acq: 8 Jun 2022 12:24

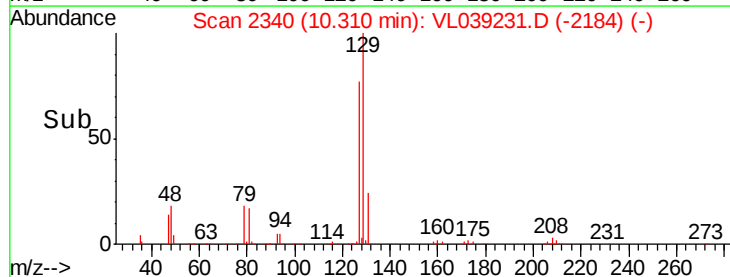
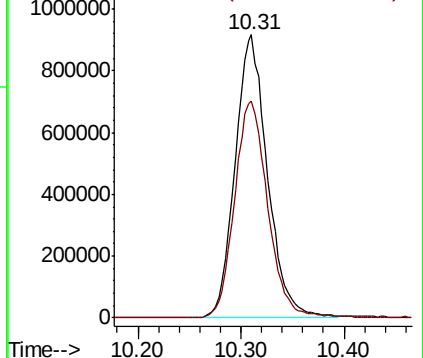
Tgt Ion: 129 Resp: 2002696

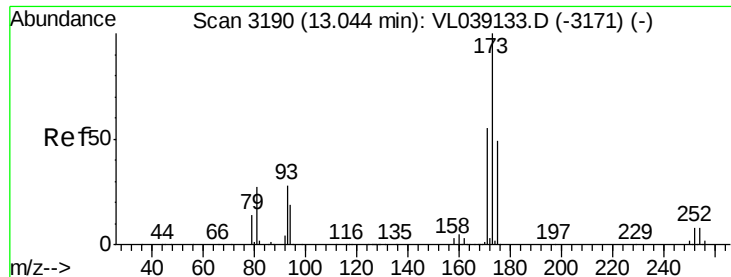
Ion	Ratio	Lower	Upper
129	100		
127	79.2	40.0	119.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.993 ppbv

RT: 13.04

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Jun 2022 12:24

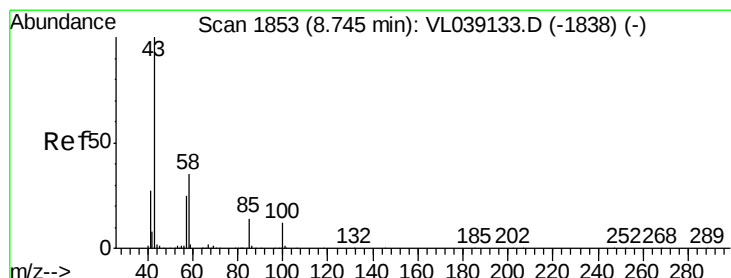
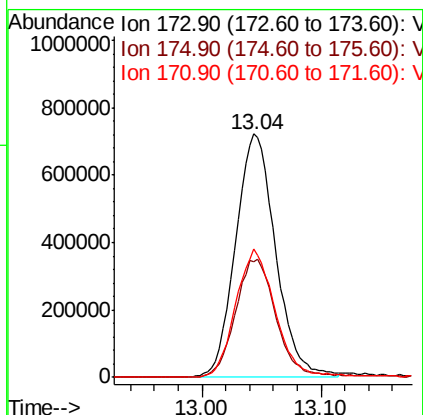
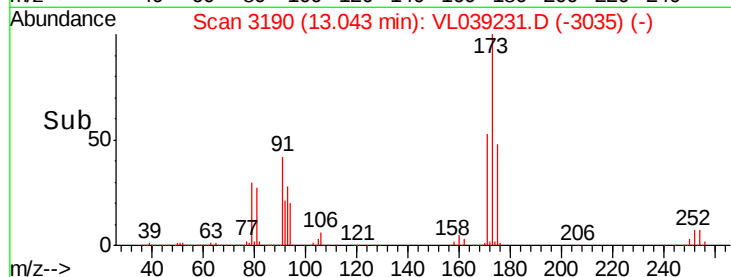
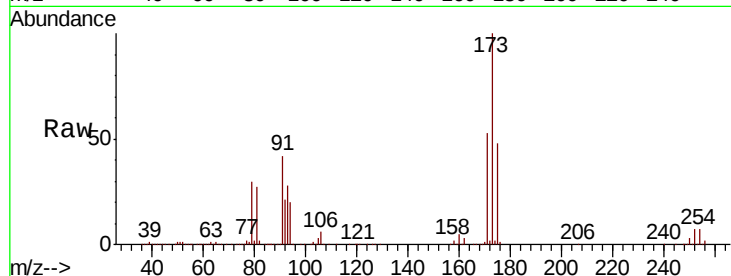
Tot Ion:173 Resp: 1680978

Ion Ratio Lower Upper

173 100

175 50.0 40.2 60.2

171 52.8 43.9 65.9



#50

4-Methyl-2-Pentanone

Concen: 9.953 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VL039231.D

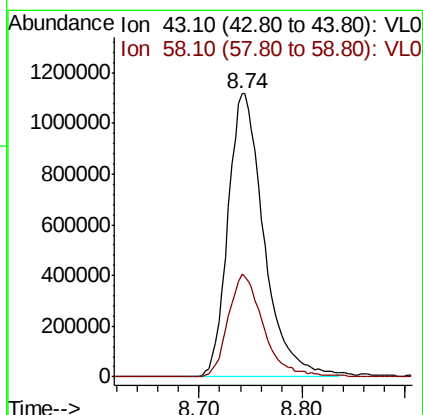
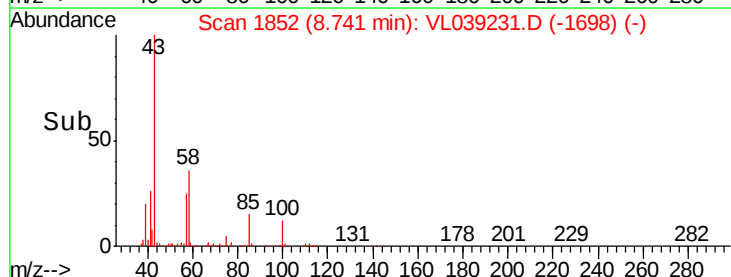
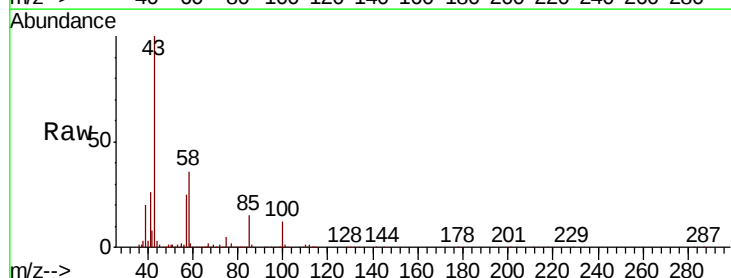
Acq: 8 Jun 2022 12:24

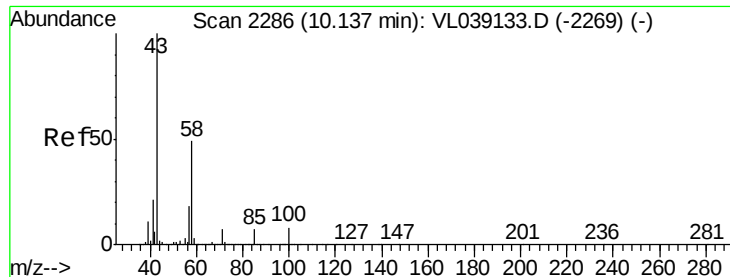
Tgt Ion: 43 Resp: 2716056

Ion Ratio Lower Upper

43 100

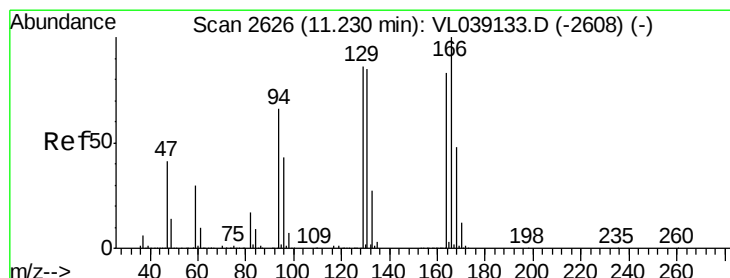
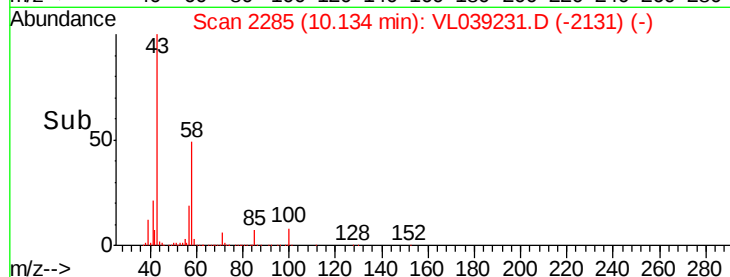
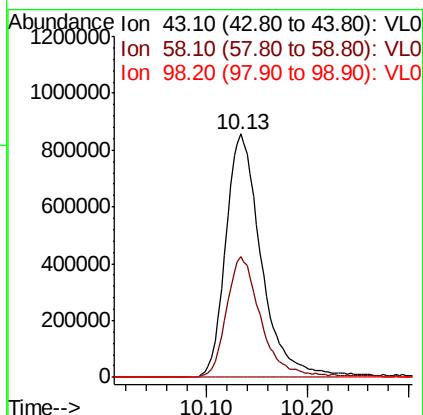
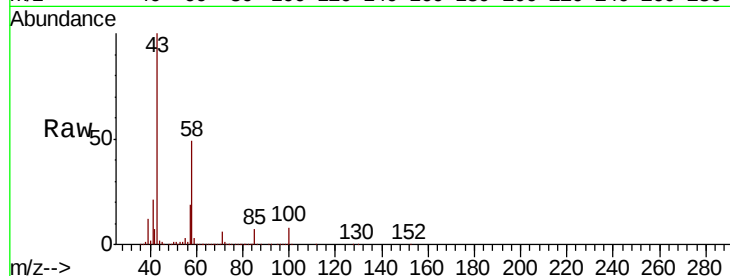
58 35.8 28.7 43.1





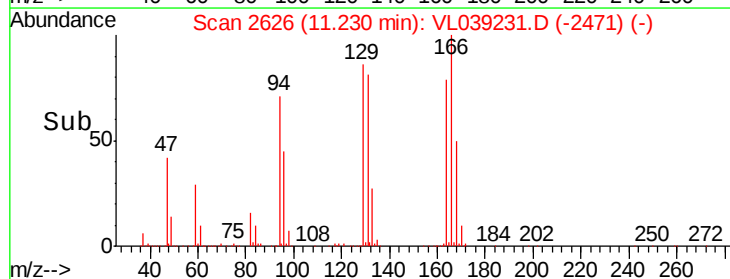
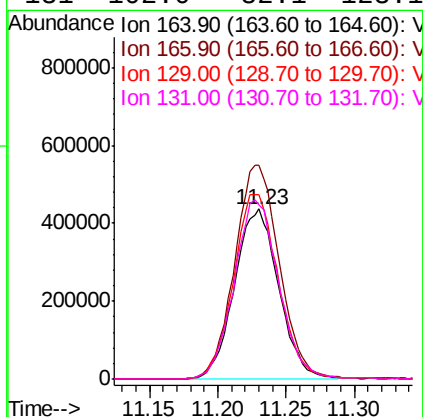
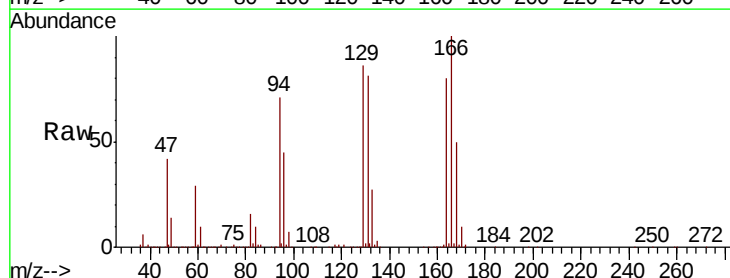
#51
2-Hexanone
Concen: 9.854 ppbv
RT: 10.13 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Jun 2022 12:24 VSTDCCC010

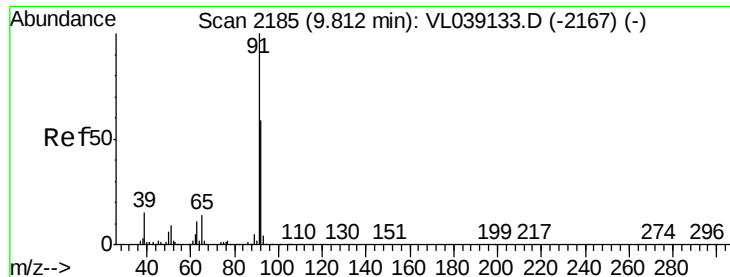
Tot Ion: 43 Resp: 2092324
Ion Ratio Lower Upper
43 100
58 49.0 40.0 60.0
98 0.1 0.1 0.1#



#52
Tetrachloroethene
Concen: 9.162 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. -0.00 min
Lab File: VL039231.D
Acq: 8 Jun 2022 12:24

Tgt Ion:164 Resp: 974568
Ion Ratio Lower Upper
164 100
166 125.7 96.3 144.5
129 108.4 82.5 123.7
131 102.0 82.1 123.1





#53

Toluene

Concen: 9.548 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

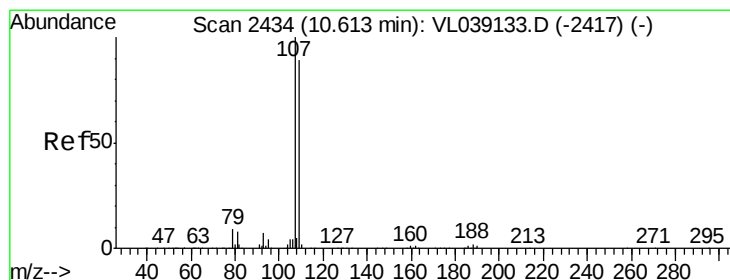
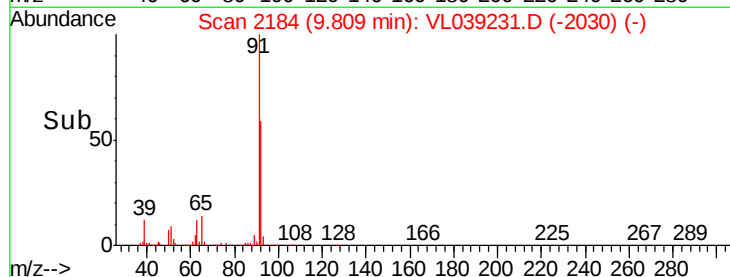
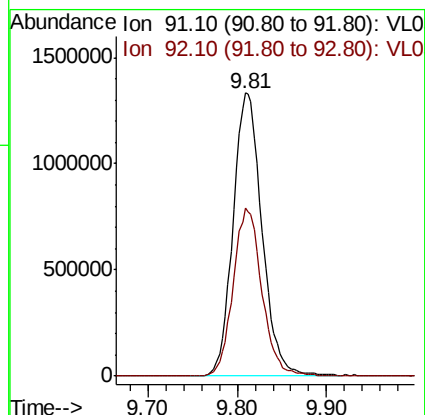
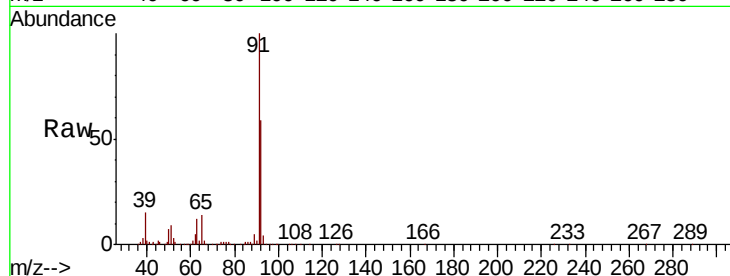
Acq: 8 Jun 2022 12:24 VSTDCCC010

Tot Ion: 91 Resp: 2995226

Ion Ratio Lower Upper

91 100

92 59.1 48.1 72.1



#54

1,2-Dibromoethane

Concen: 10.417 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. -0.00 min

Lab File: VL039231.D

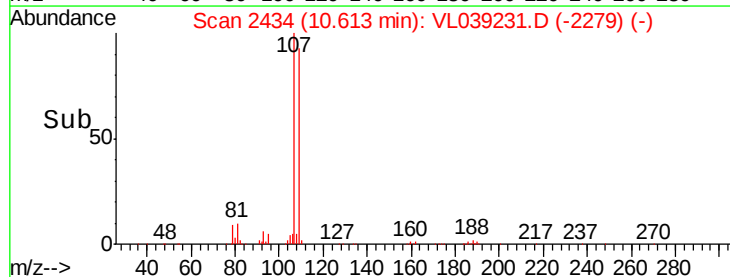
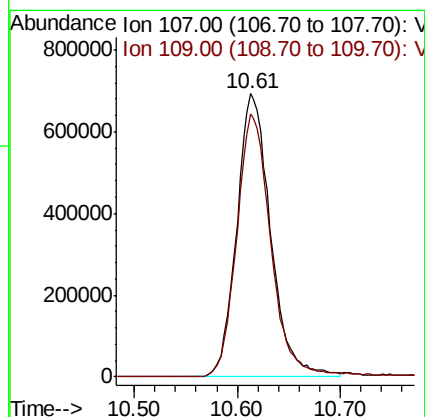
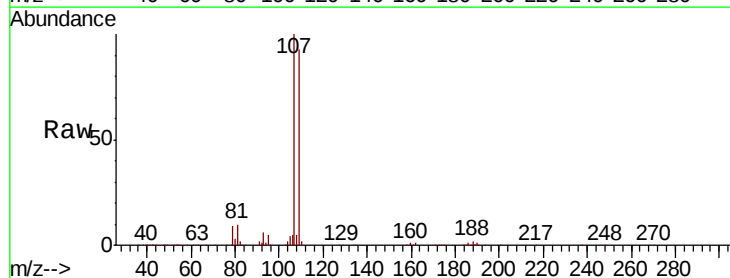
Acq: 8 Jun 2022 12:24

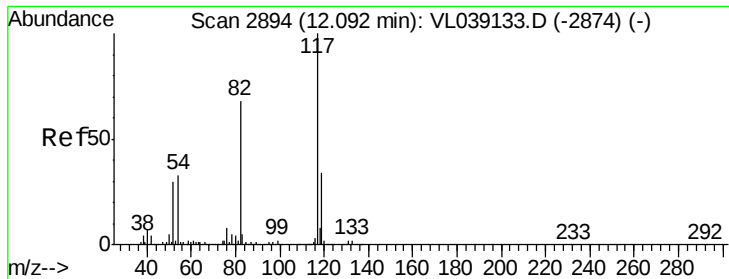
Tgt Ion: 107 Resp: 1582549

Ion Ratio Lower Upper

107 100

109 92.8 71.4 107.0

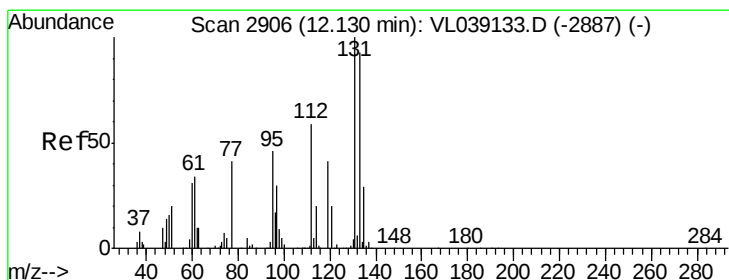
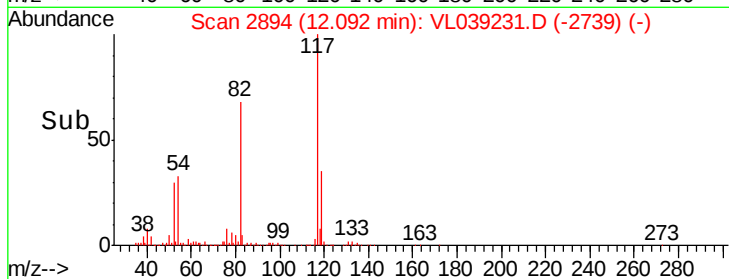
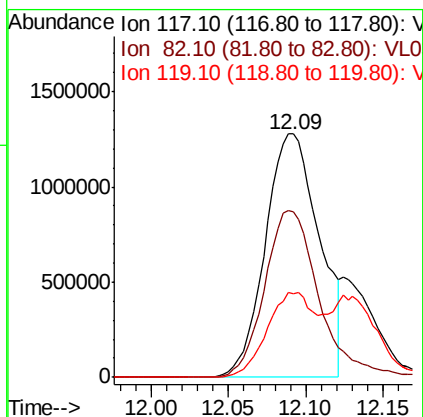
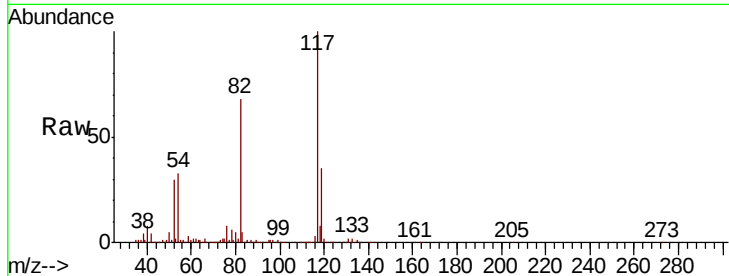




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 8 Jun 2022 12:24

Tot Ion:117 Resp: 3109415

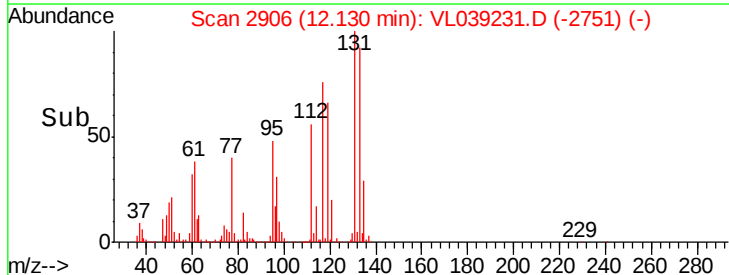
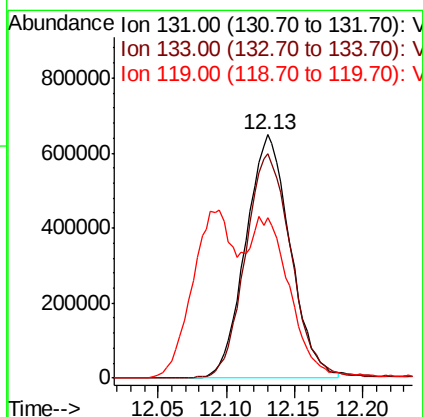
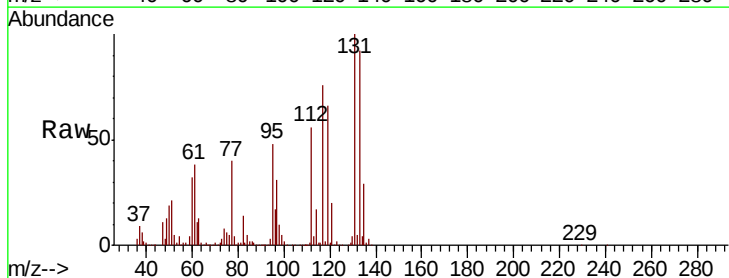
Ion	Ratio	Lower	Upper
117	100		
82	70.1	55.1	82.7
119	31.8	24.7	37.1

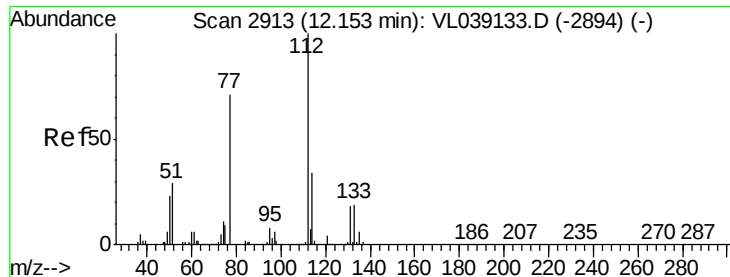


#56
1,1,1,2-Tetrachloroethane
Concen: 9.974 ppbv
RT: 12.13 min Scan# 2906
Delta R.T.: -0.00 min
Lab File: VL039231.D
Acq: 8 Jun 2022 12:24

Tgt Ion:131 Resp: 1467512

Ion	Ratio	Lower	Upper
131	100		
133	96.8	78.6	117.8
119	59.2	51.7	77.5





#57

Chlorobenzene

Concen: 9.582 ppbv

RT: 12.15

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Jun 2022 12:24

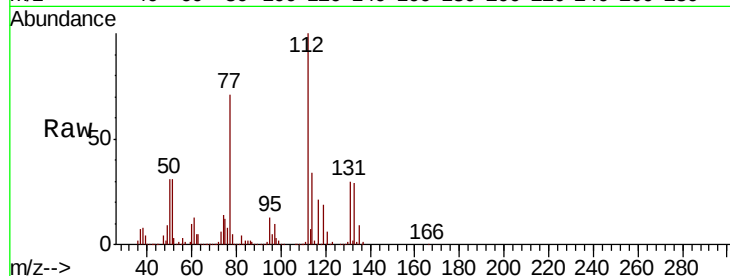
Tot Ion: 112 Resp: 2241854

Ion Ratio Lower Upper

112 100

77 69.8 56.5 84.7

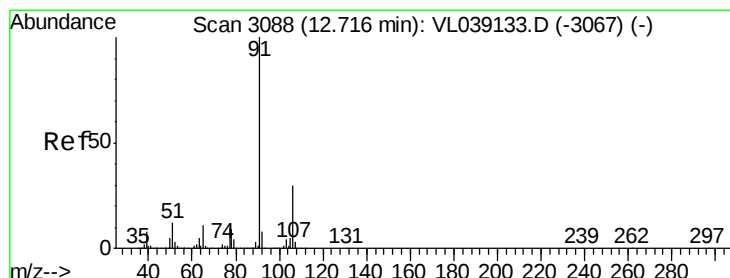
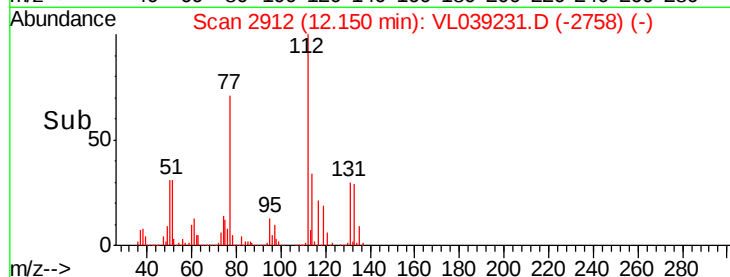
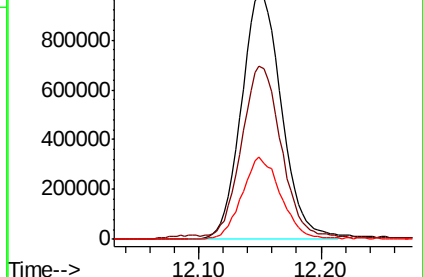
114 33.5 30.3 37.1



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: 9.738 ppbv

RT: 12.72 min Scan# 3088

Delta R.T. -0.00 min

Lab File: VL039231.D

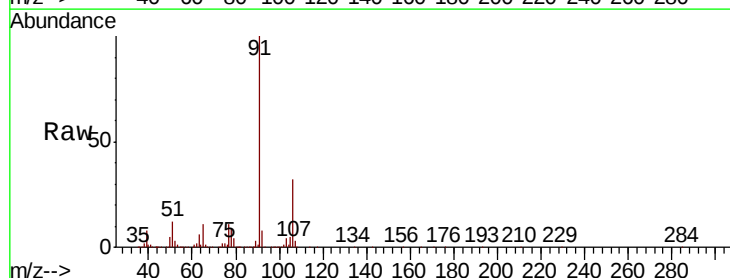
Acq: 8 Jun 2022 12:24

Tgt Ion: 91 Resp: 4170630

Ion Ratio Lower Upper

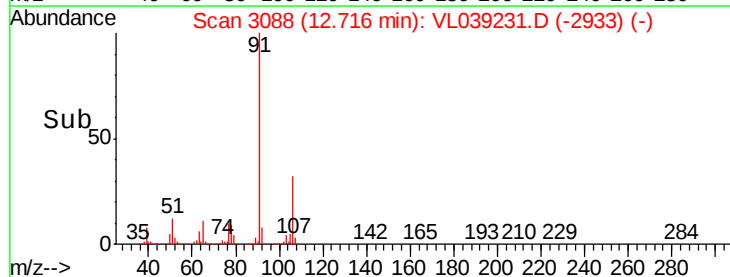
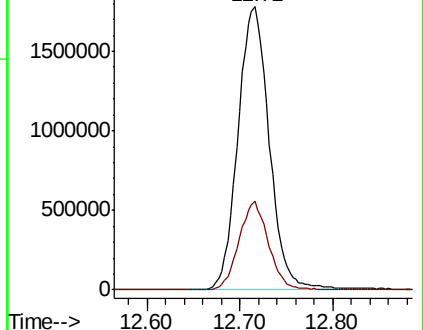
91 100

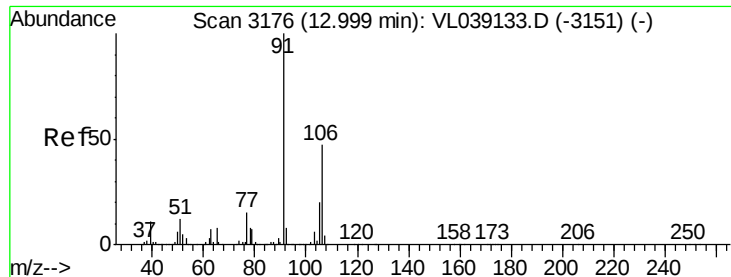
106 31.5 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

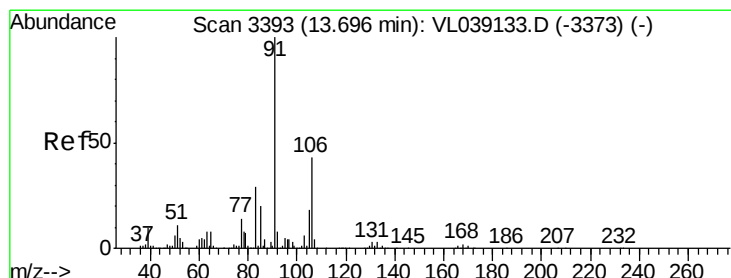
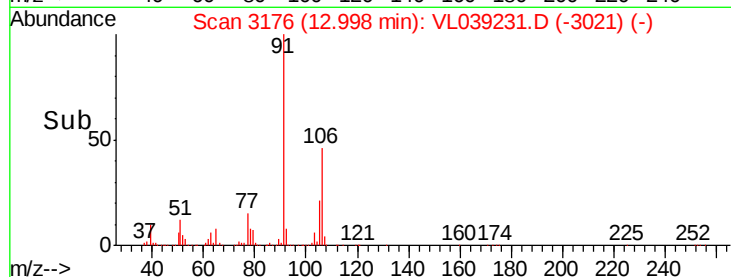
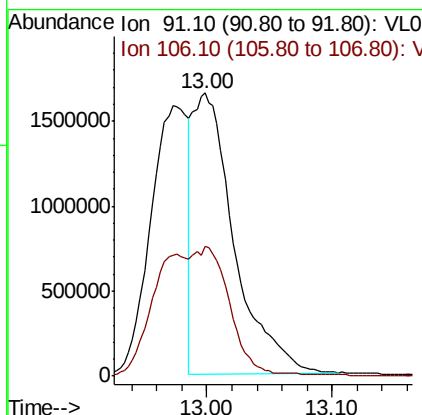
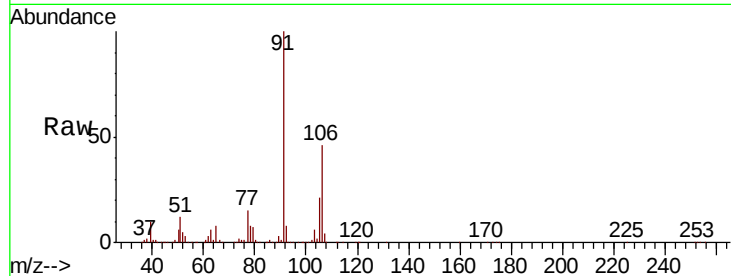
Ion 106.10 (105.80 to 106.80): V





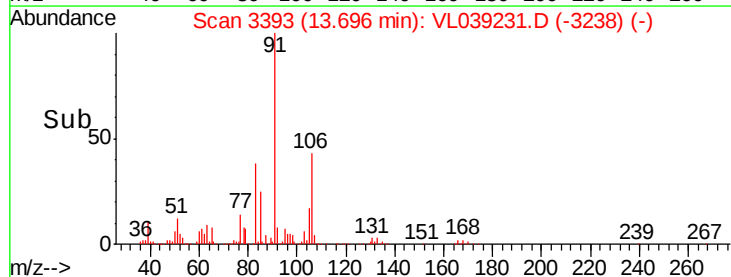
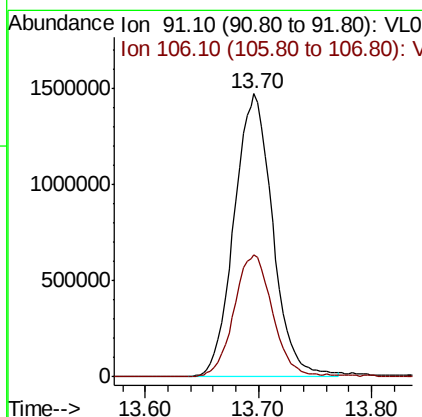
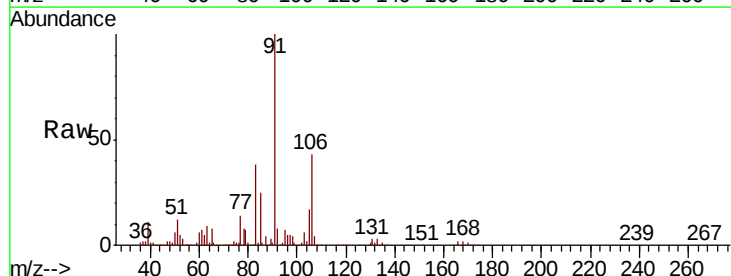
#59
m/p-Xylene
Concen: 10.026 ppbv
RT: 13.00
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 8 Jun 2022 12:24

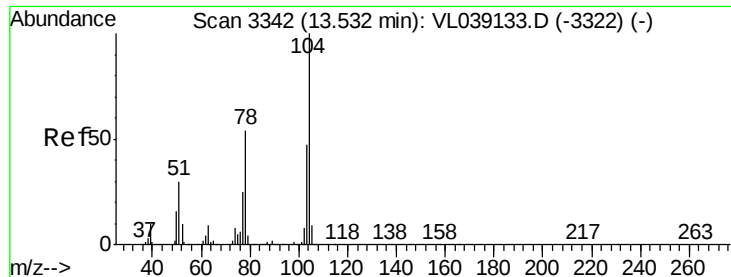
Tot Ion: 91 Resp: 3781347
Ion Ratio Lower Upper
91 100
106 80.7 34.3 51.5#



#60
o-Xylene
Concen: 9.797 ppbv
RT: 13.70 min Scan# 3393
Delta R.T.: -0.00 min
Lab File: VL039231.D
Acq: 8 Jun 2022 12:24

Tgt Ion: 91 Resp: 3472143
Ion Ratio Lower Upper
91 100
106 44.1 22.3 66.9





#61

Stvrene

Concen: 10.095 ppbv

RT: 13.53

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Jun 2022 12:24

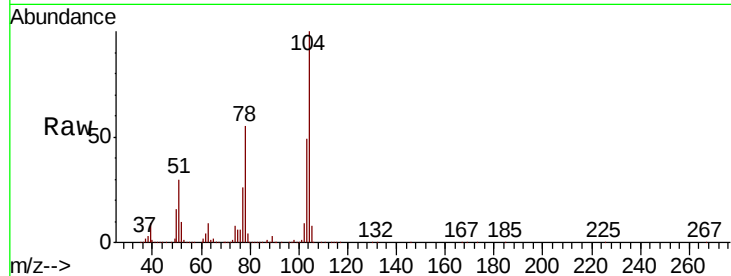
Tot Ion:104 Resp: 1915952

Ion Ratio Lower Upper

104 100

78 56.2 45.7 68.5

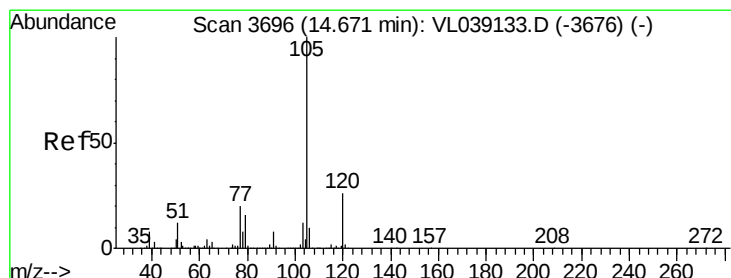
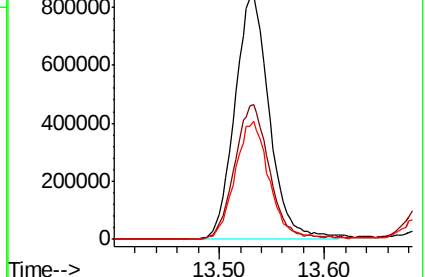
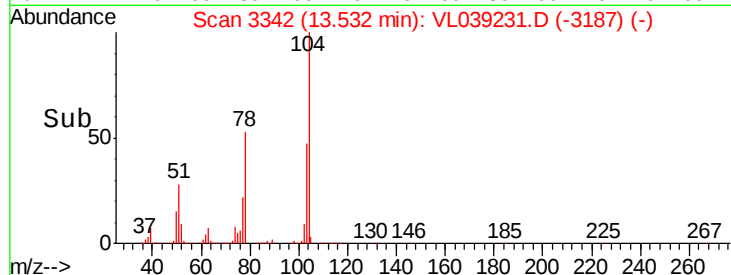
103 48.6 39.6 59.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.068 ppbv

RT: 14.67 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VL039231.D

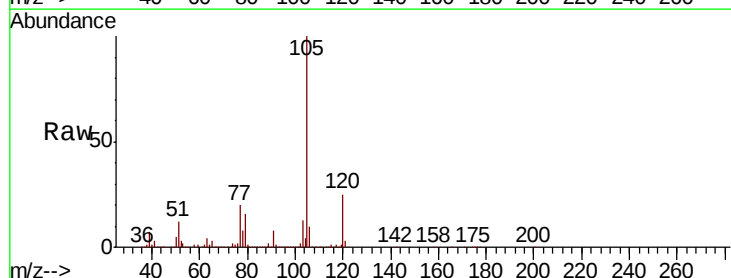
Acq: 8 Jun 2022 12:24

Tgt Ion:105 Resp: 5303283

Ion Ratio Lower Upper

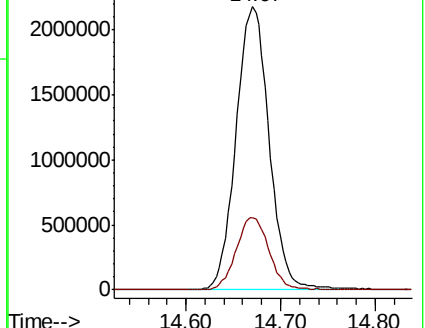
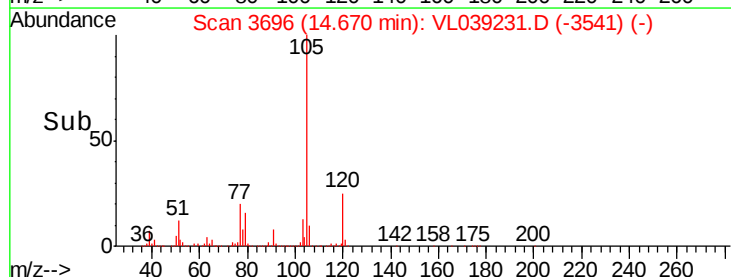
105 100

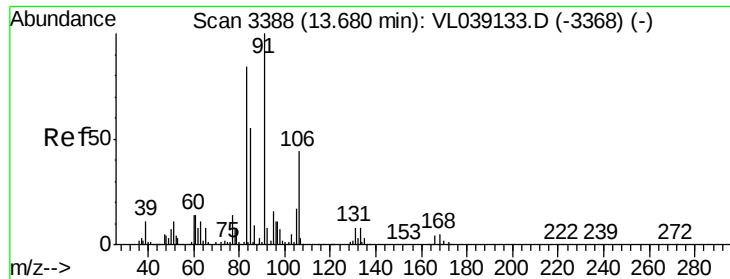
120 25.6 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

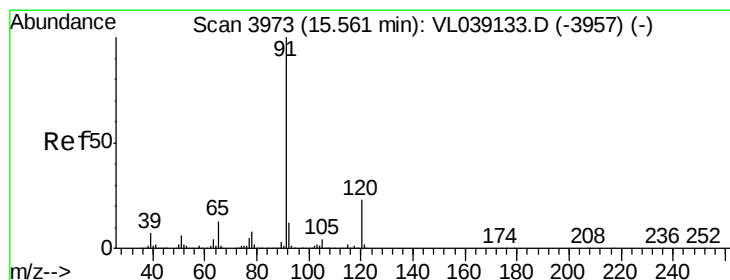
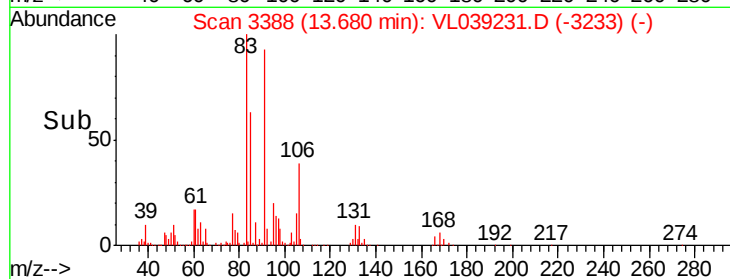
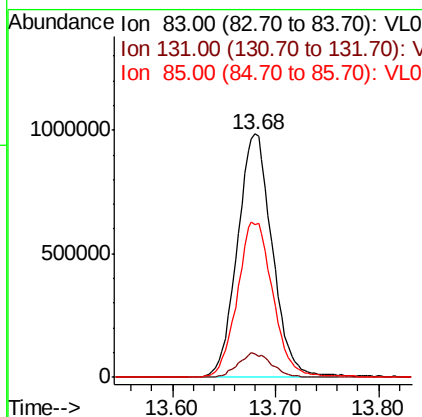
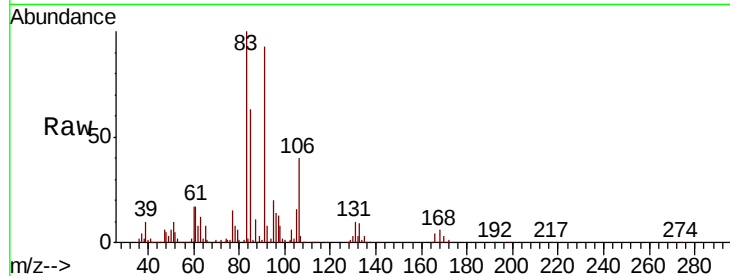
Ion 120.20 (119.90 to 120.90): V





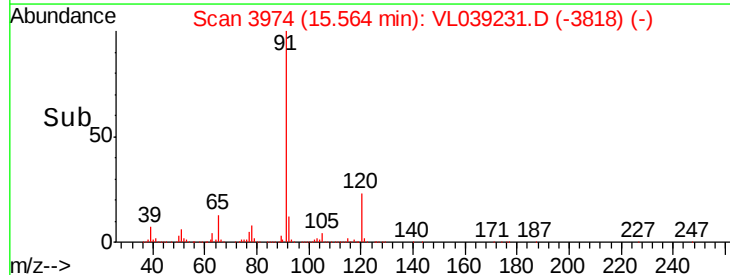
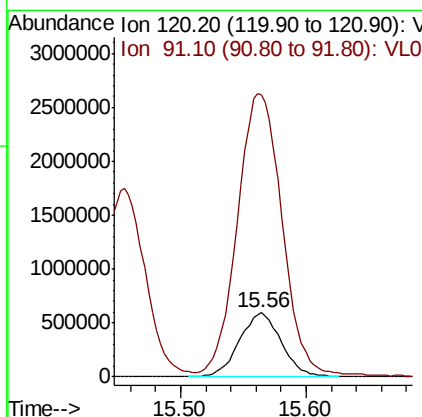
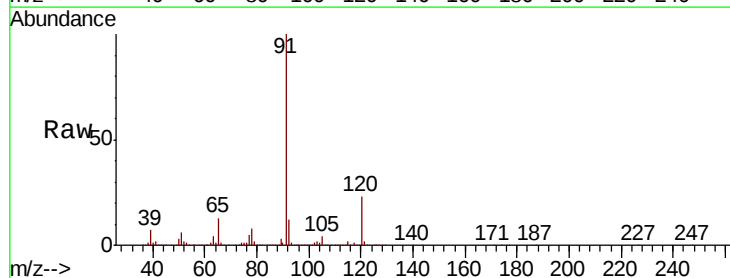
#63
 1,1,2,2-Tetrachloroethane
 Concen: 11.644 ppbv
 RT: 13.68 min
 Delta R.T. 0.00 min
 Lab File: VL039231.D
 Acq: 8 Jun 2022 12:24

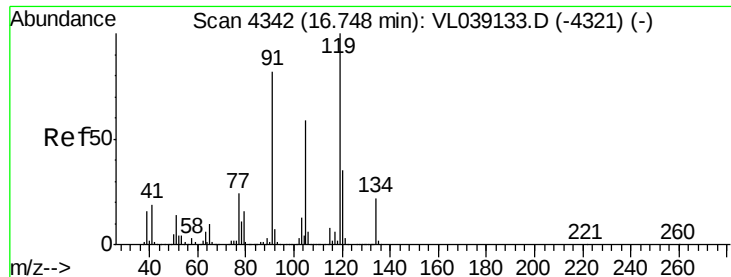
Tot Ion: 83 Resp: 2316364
 Ion Ratio Lower Upper
 83 100
 131 9.8 4.8 14.3
 85 65.1 33.0 99.0



#64
 n-propylbenzene
 Concen: 10.596 ppbv
 RT: 15.56 min Scan# 3974
 Delta R.T. 0.00 min
 Lab File: VL039231.D
 Acq: 8 Jun 2022 12:24

Tgt Ion:120 Resp: 1372090
 Ion Ratio Lower Upper
 120 100
 91 479.2 388.4 582.6





#65

tert-Butylbenzene

Concen: 10.015 ppbv

RT: 16.74

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Jun 2022 12:24

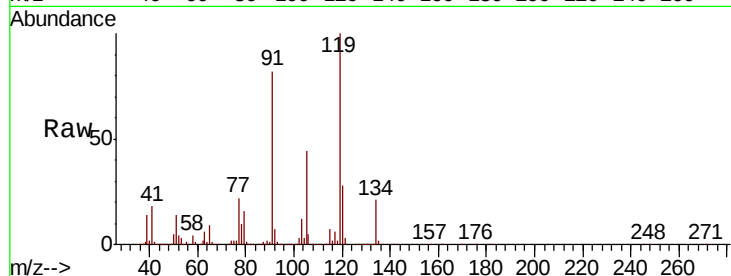
Tot Ion: 119 Resp: 4824266

Ion Ratio Lower Upper

119 100

91 84.8 67.1 100.7

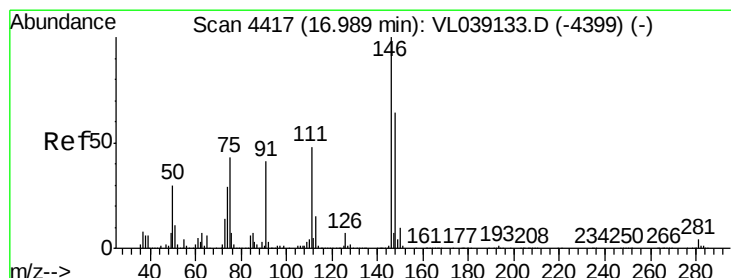
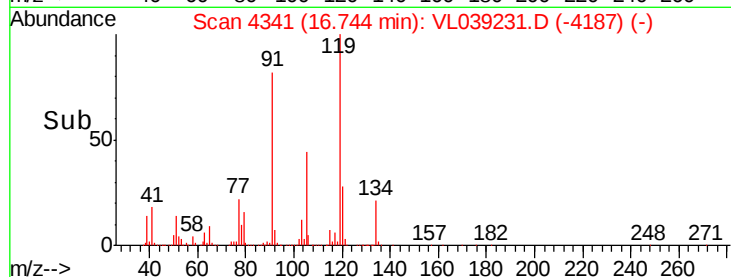
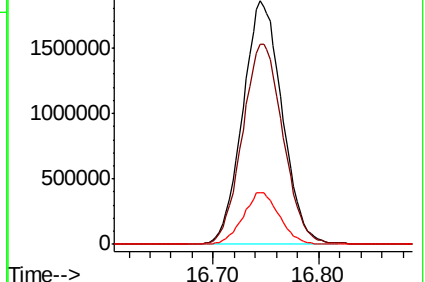
134 19.8 15.8 23.8



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: 5.892 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. 0.00 min

Lab File: VL039231.D

Acq: 8 Jun 2022 12:24

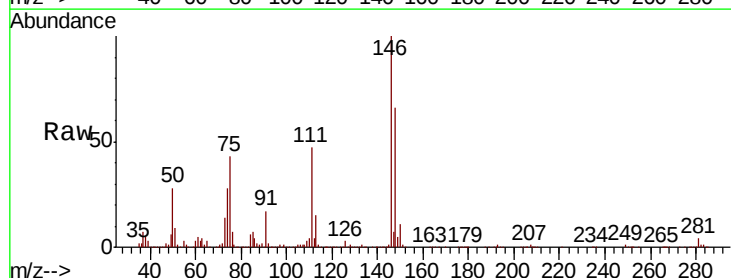
Tgt Ion: 91 Resp: 369018

Ion Ratio Lower Upper

91 100

126 15.5 13.4 20.0

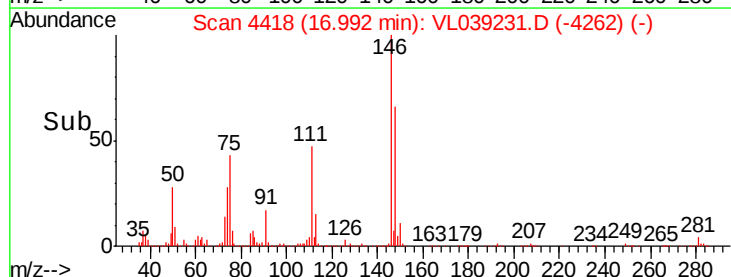
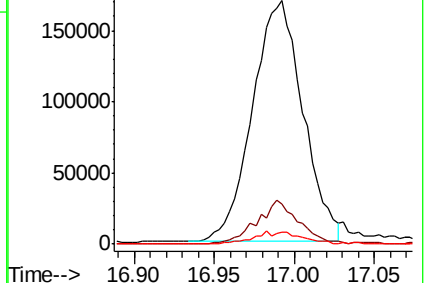
128 5.2 4.1 6.1

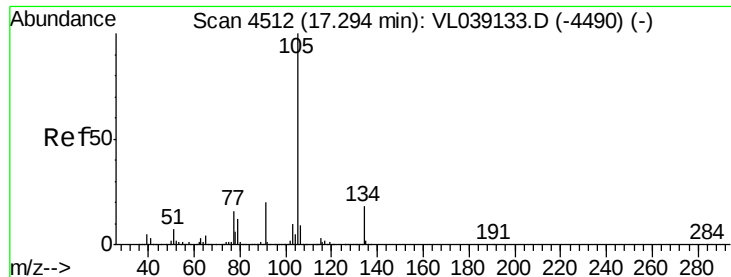


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.301 ppbv

RT: 17.29 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

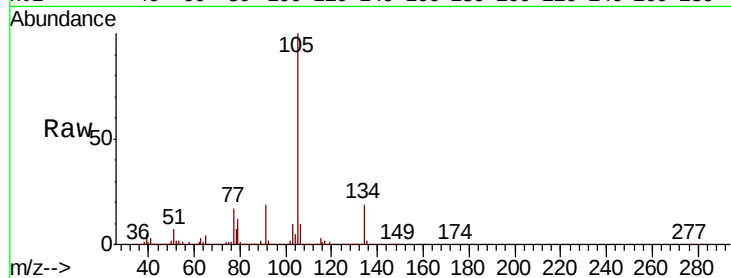
Acq: 8 Jun 2022 12:24

Tot Ion: 105 Resp: 6770429

Ion Ratio Lower Upper

105 100

134 18.3 14.4 21.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

3000000

2500000

2000000

1500000

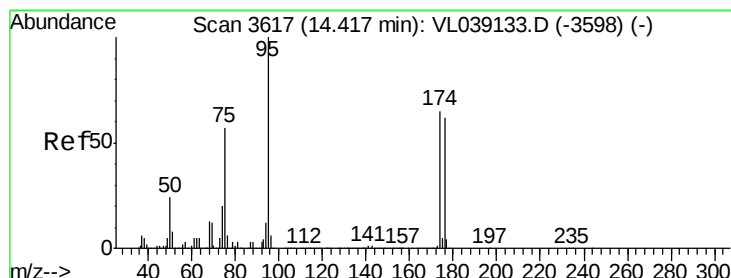
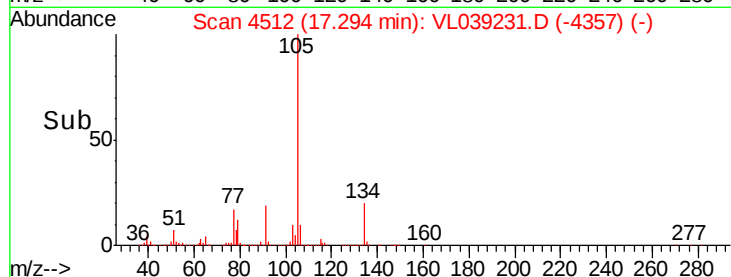
1000000

500000

0

17.20 17.30 17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.203 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. -0.00 min

Lab File: VL039231.D

Acq: 8 Jun 2022 12:24

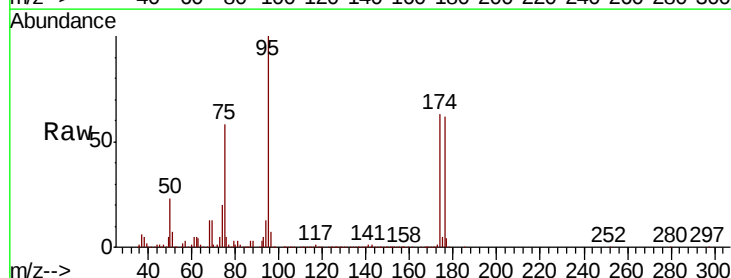
Tgt Ion: 95 Resp: 2622746

Ion Ratio Lower Upper

95 100

174 65.7 53.8 80.8

175 4.7 4.1 6.1



Abundance Ion 95.10 (94.80 to 95.80): V

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1500000

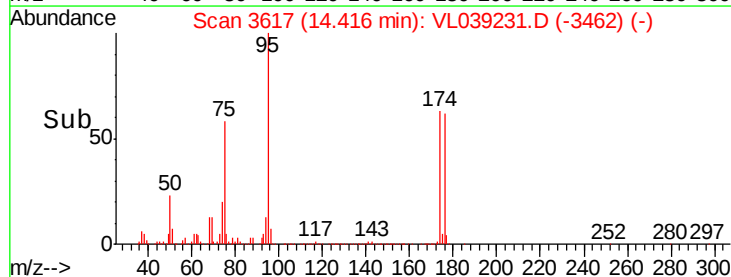
1000000

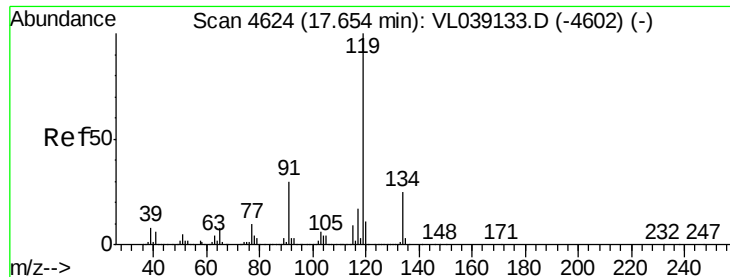
500000

0

14.30 14.40 14.50

Time-->

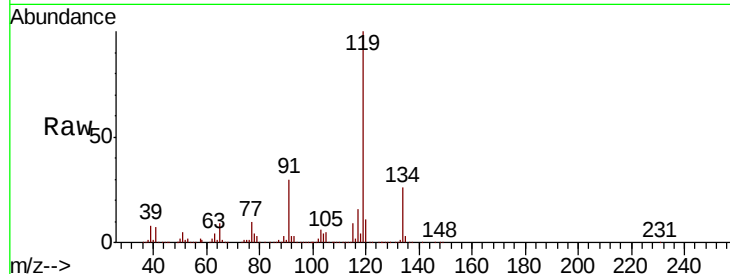




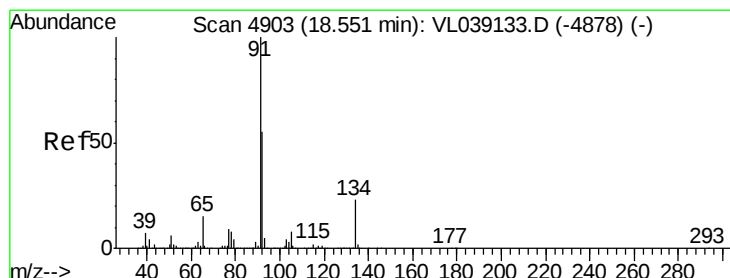
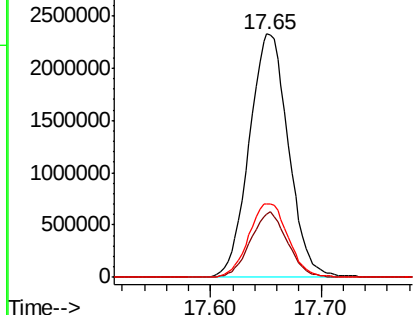
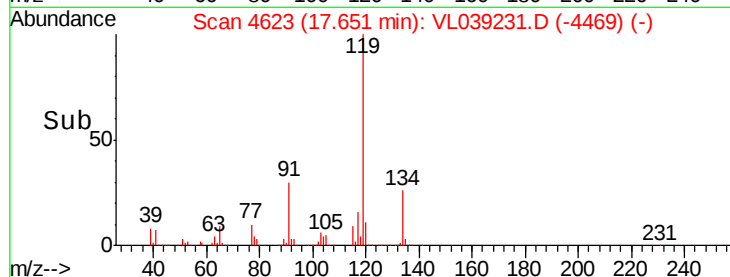
#69
 p-Isopropyltoluene
 Concen: 10.308 ppbv
 RT: 17.65 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 8 Jun 2022 12:24

Tot Ion: 119 Resp: 5715724

Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.4	30.6
91	30.5	24.2	36.4



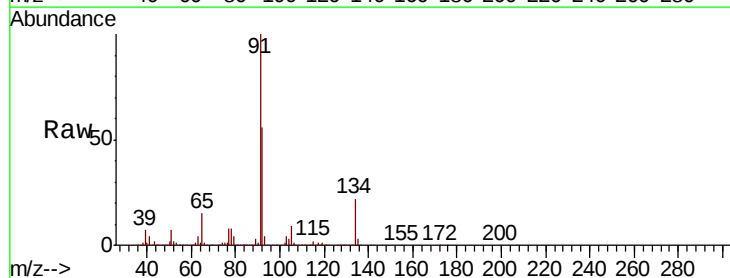
Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V



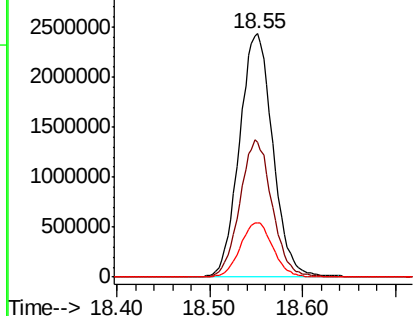
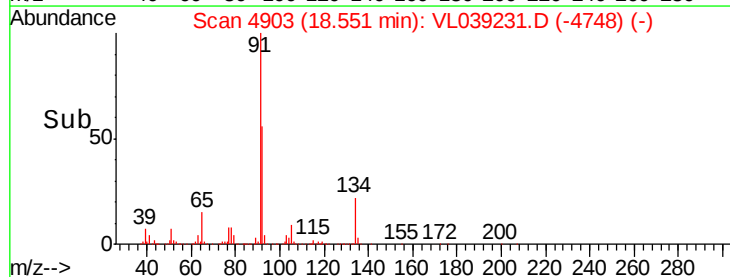
#70
 n-Butylbenzene
 Concen: 10.685 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. -0.00 min
 Lab File: VL039231.D
 Acq: 8 Jun 2022 12:24

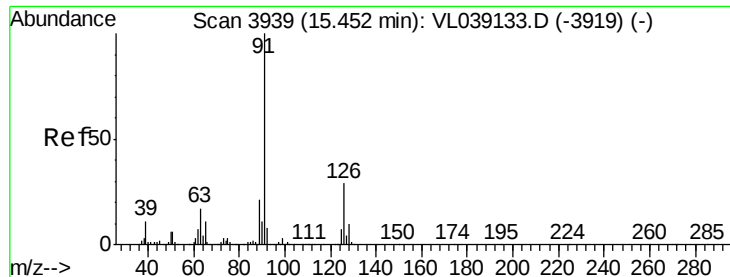
Tgt Ion: 91 Resp: 6081145

Ion	Ratio	Lower	Upper
91	100		
92	54.4	43.6	65.4
134	22.0	17.7	26.5



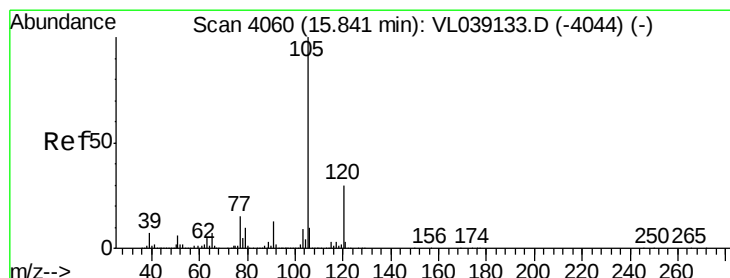
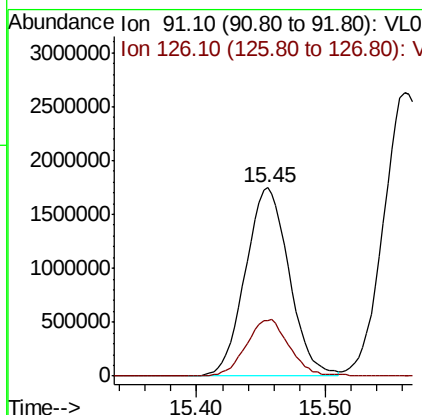
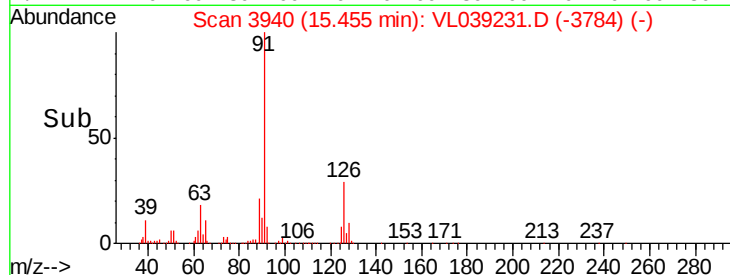
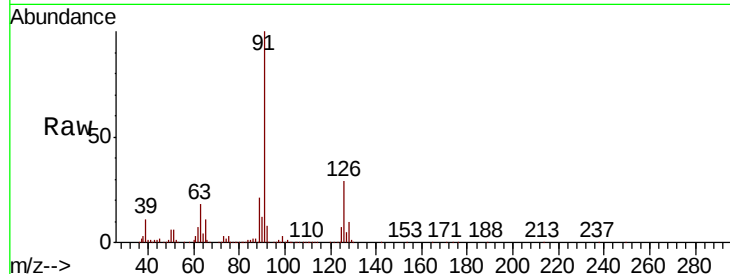
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





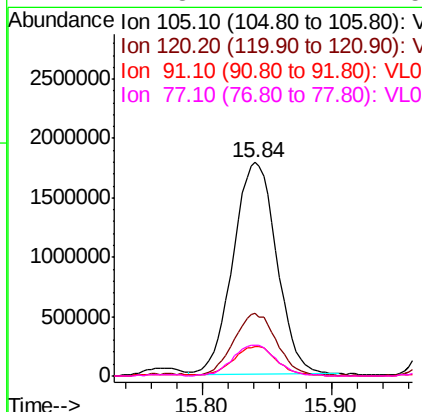
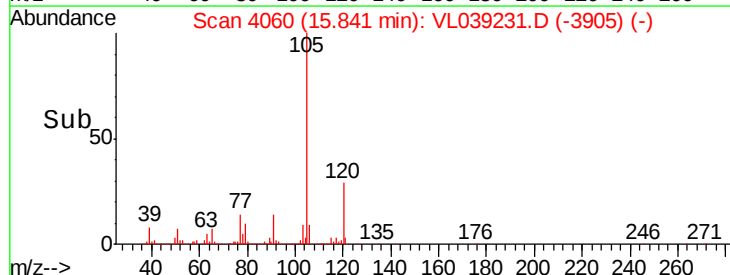
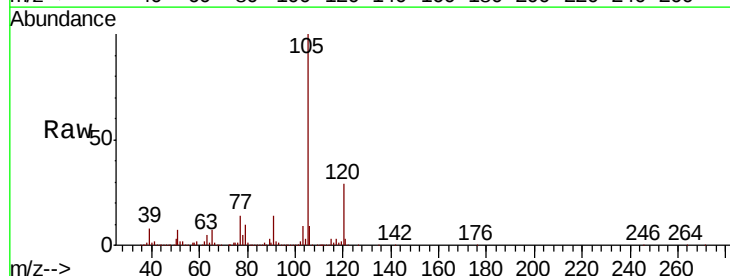
#71
 2-Chlorotoluene
 Concen: 10.268 ppbv
 RT: 15.45 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 8 Jun 2022 12:24

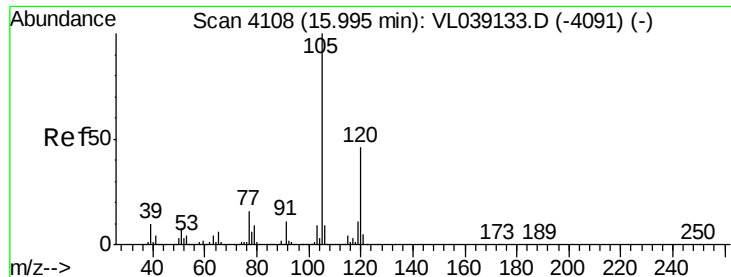
Tot Ion: 91 Resp: 4124716
 Ion Ratio Lower Upper
 91 100
 126 30.0 12.2 48.6



#72
 4-Ethyltoluene
 Concen: 10.134 ppbv
 RT: 15.84 min Scan# 4060
 Delta R.T. -0.00 min
 Lab File: VL039231.D
 Acq: 8 Jun 2022 12:24

Tgt Ion:105 Resp: 4209544
 Ion Ratio Lower Upper
 105 100
 120 29.4 23.9 35.9
 91 13.8 10.6 16.0
 77 14.8 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 10.212 ppbv

RT: 16.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

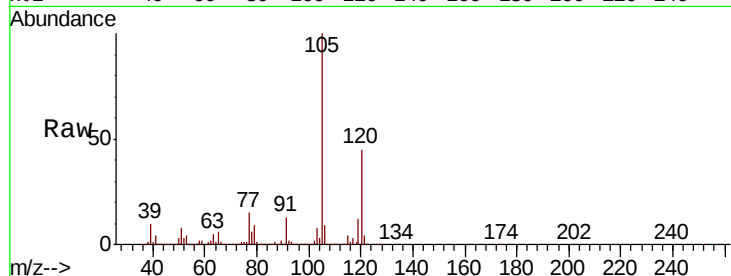
Acq: 8 Jun 2022 12:24 VSTDCCC010

Tot Ion:105 Resp: 3826048

Ion Ratio Lower Upper

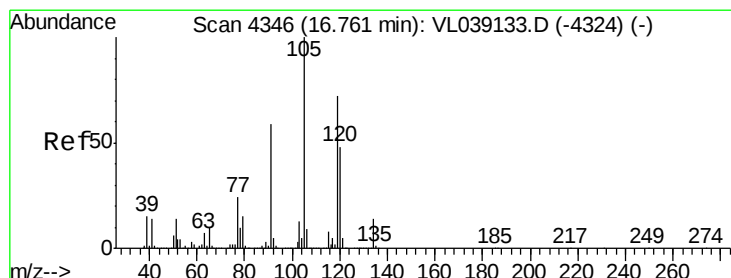
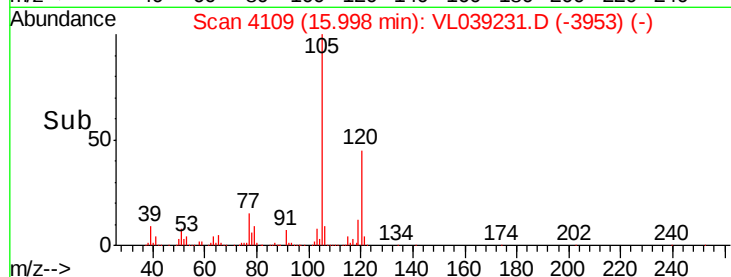
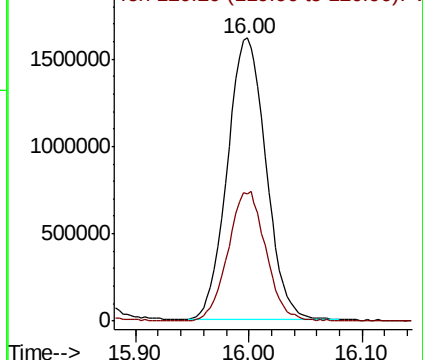
105 100

120 45.1 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: 10.018 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.00 min

Lab File: VL039231.D

Acq: 8 Jun 2022 12:24

Tgt Ion:105 Resp: 4188623

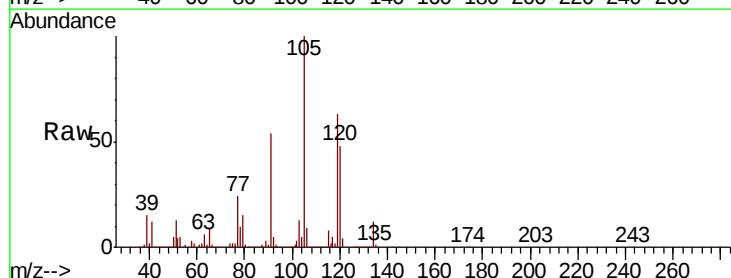
Ion Ratio Lower Upper

105 100

120 48.4 38.1 57.1

91 53.2 47.4 71.0

77 23.5 19.5 29.3

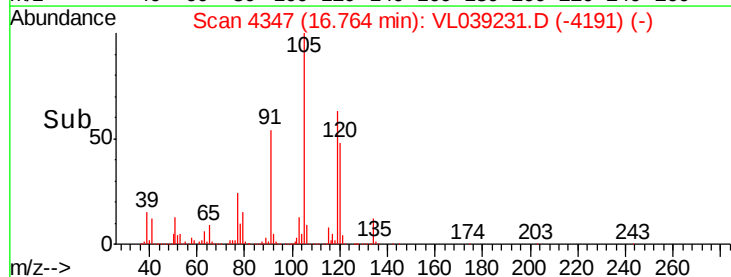
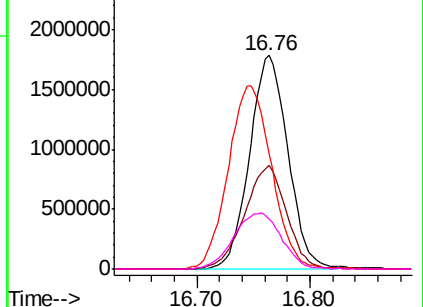


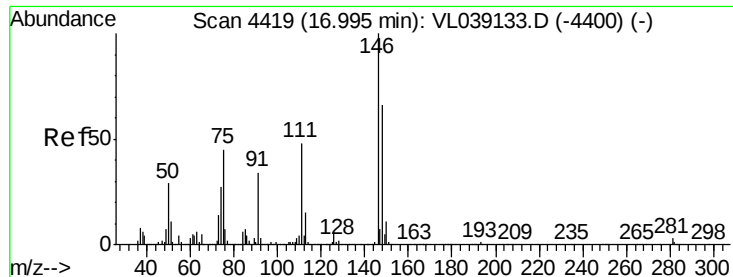
Abundance Ion 105.10 (104.80 to 105.80): V

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: 10.135 ppbv

RT: 17.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Jun 2022 12:24

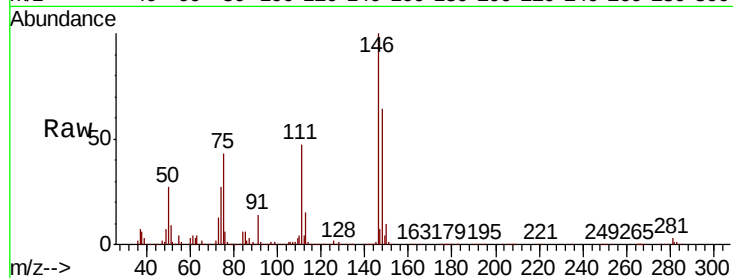
Tot Ion:146 Resp: 2398509

Ion Ratio Lower Upper

146 100

111 47.7 23.8 71.4

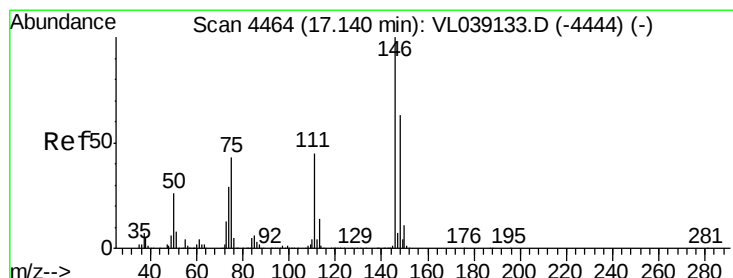
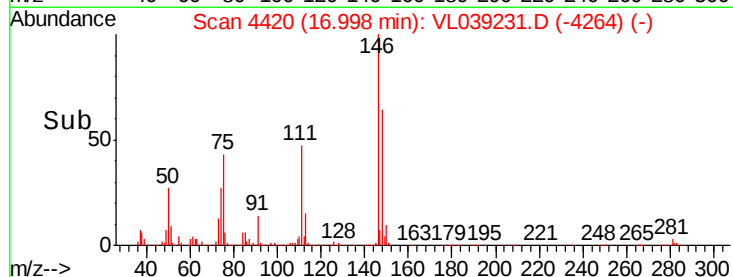
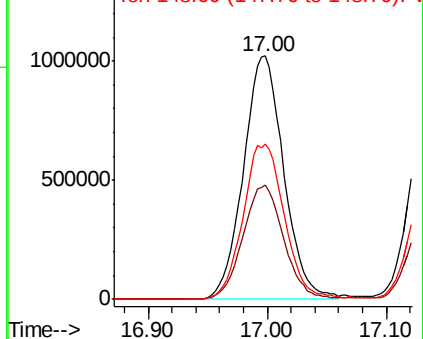
148 65.5 32.4 97.0



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: 9.848 ppbv

RT: 17.14 min Scan# 4464

Delta R.T. -0.00 min

Lab File: VL039231.D

Acq: 8 Jun 2022 12:24

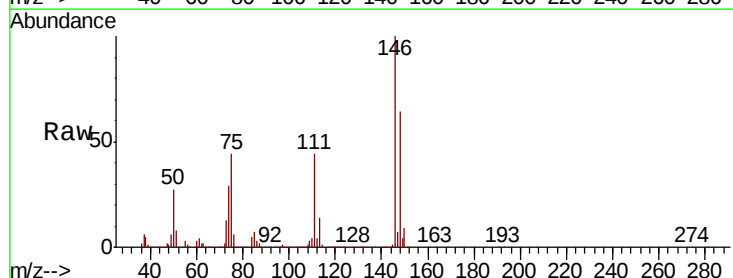
Tgt Ion:146 Resp: 2325286

Ion Ratio Lower Upper

146 100

111 47.7 23.6 71.0

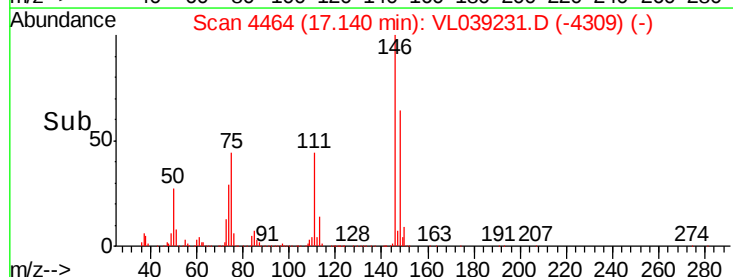
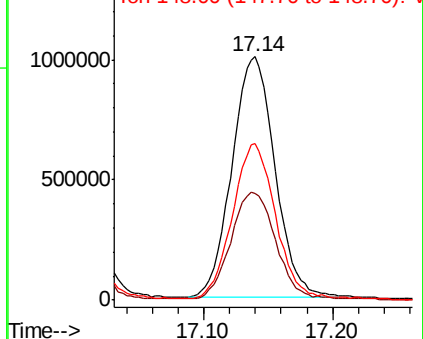
148 66.3 33.7 101.0

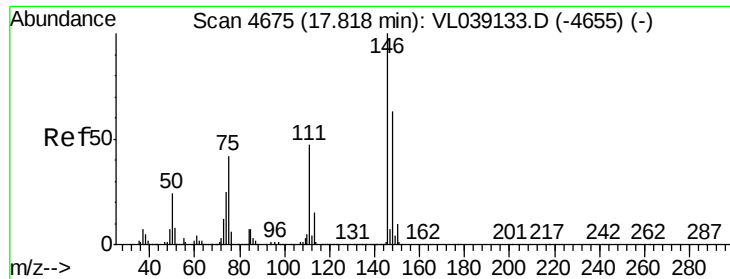


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

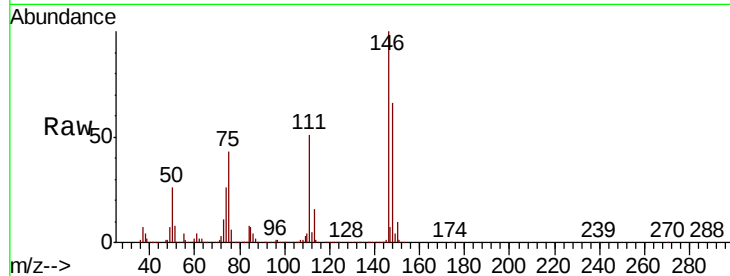




#77
 1,2-Dichlorobenzene
 Concen: 9.984 ppbv
 RT: 17.82 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VSTDCCC010
 Acq: 8 Jun 2022 12:24

Tot Ion:146 Resp: 2381308

Ion	Ratio	Lower	Upper
146	100		
111	49.9	24.4	73.4
148	65.2	32.1	96.5

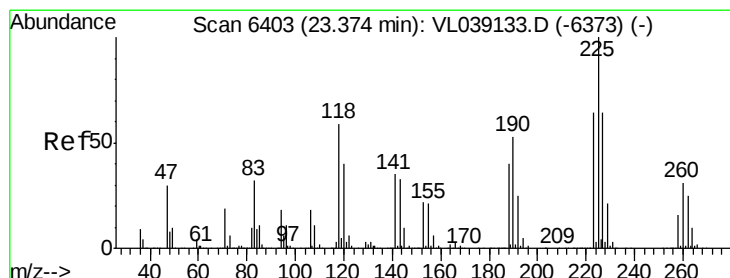
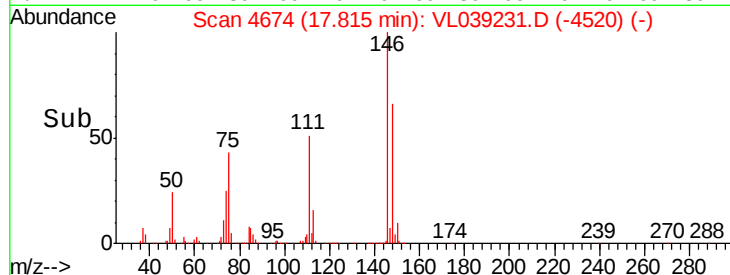
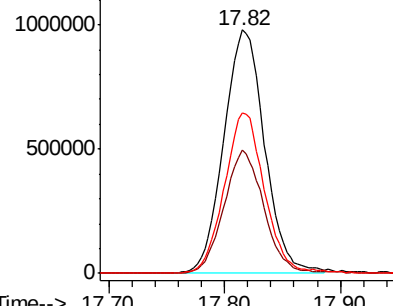


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

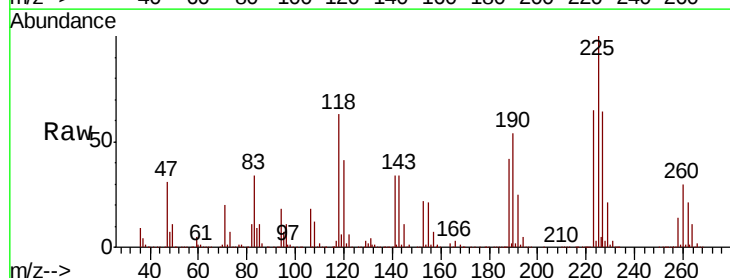
Ion 148.00 (147.70 to 148.70): V



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.083 ppbv
 RT: 23.37 min Scan# 6403
 Delta R.T.: -0.00 min
 Lab File: VL039231.D
 Acq: 8 Jun 2022 12:24

Tgt Ion:225 Resp: 1980946

Ion	Ratio	Lower	Upper
225	100		
223	63.1	51.4	77.0
227	64.6	50.6	75.8

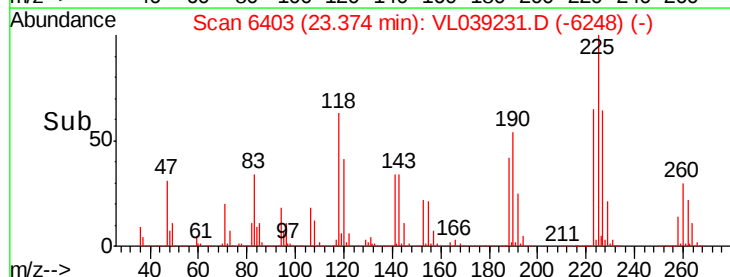
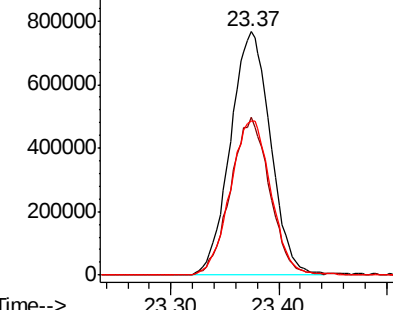


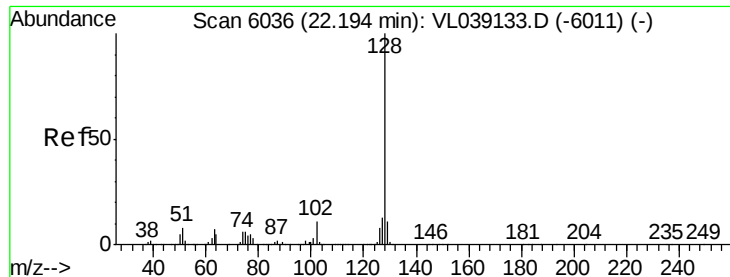
Abundance

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

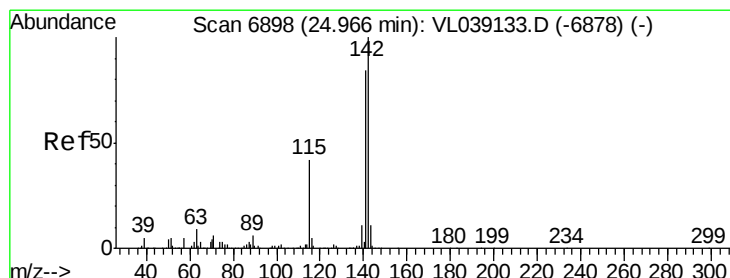
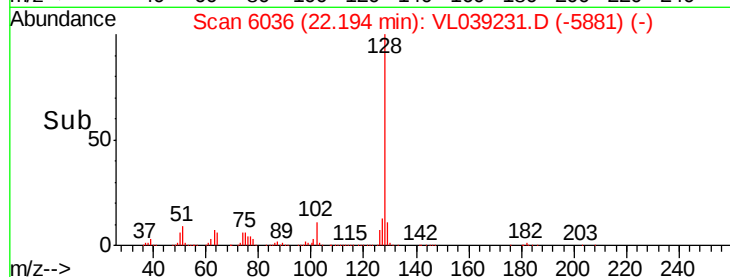
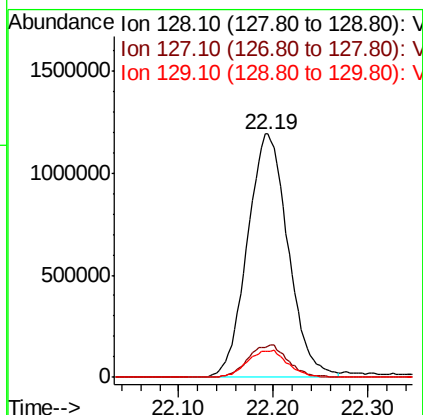
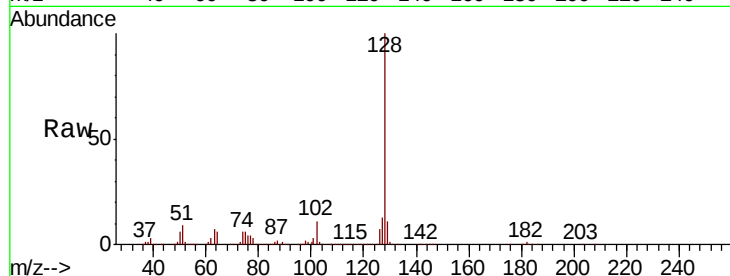




#79
Naphthalene
Concen: 11.070 ppbv
RT: 22.19 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 8 Jun 2022 12:24
VSTDCCC010

Tot Ion:128 Resp: 3562898

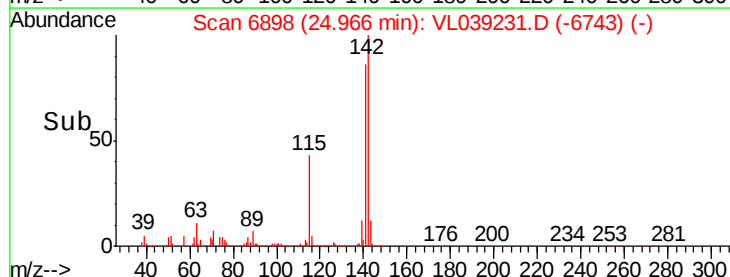
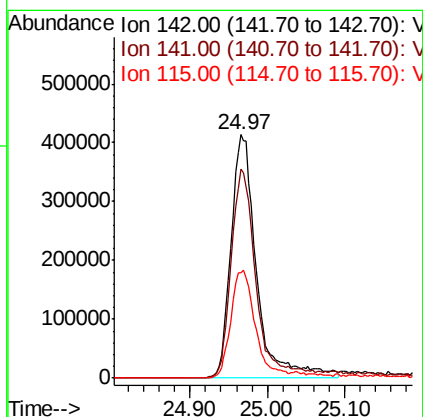
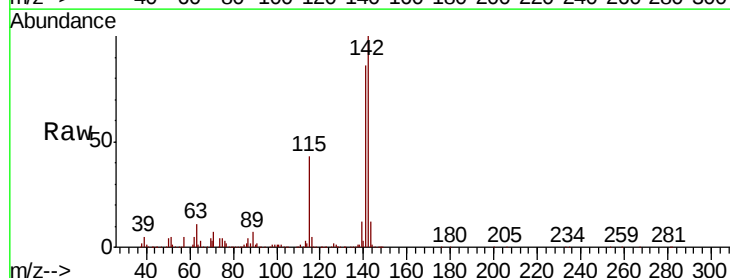
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.8	9.0	13.6

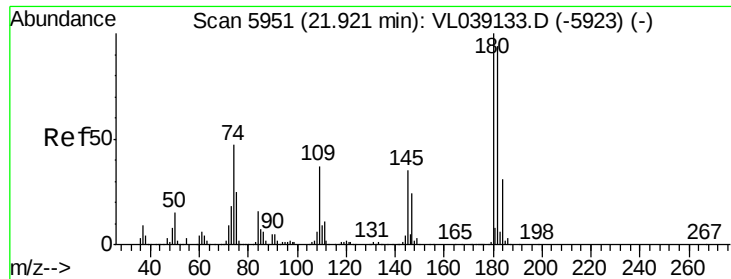


#80
Naphthalene, 2-methyl-
Concen: 7.872 ppbv
RT: 24.97 min Scan# 6898
Delta R.T.: -0.00 min
Lab File: VL039231.D
Acq: 8 Jun 2022 12:24

Tgt Ion:142 Resp: 941284

Ion	Ratio	Lower	Upper
142	100		
141	84.0	64.6	96.8
115	46.1	32.7	49.1





#81
 1,2,4-Trichlorobenzene
 Concen: 9.913 ppbv
 RT: 21.93
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 8 Jun 2022 12.24

Tot Ion:180 Resp: 2021253
 Ion Ratio Lower Upper
 180 100
 182 99.4 0.0 0.0#
 184 30.8 0.0 0.0#

