

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060322\
 Data File : VL039175.D
 Acq On : 4 Jun 2022 12:33
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Jun 06 00:43:17 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	1356611	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3795103	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4445899	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2718919	7.40	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	74.00%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.06	85	2008597	8.430	ppbv	99
3) Chlorodifluoromethane	3.00	51	1651719	9.569	ppbv	95
4) Chloromethane	3.15	50	878541	9.909	ppbv	99
5) Vinyl Chloride	3.27	62	875915	10.568	ppbv	100
6) Bromomethane	3.48	94	398360	9.770	ppbv	100
7) Chloroethane	3.57	64	302335	10.468	ppbv	90
8) Dichlorotetrafluoroethane	3.20	85	2040490	9.370	ppbv	94
9) Propene	3.02	41	826798	10.985	ppbv	99
10) Heptane	8.13	43	1953607	11.127	ppbv	99
11) Trichlorofluoromethane	3.96	101	1904205	8.828	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1361643	9.546	ppbv	100
13) Ethanol	3.61	45	25545	6.223	ppbv #	100
14) Bromoethene	3.75	108	638747	9.961	ppbv	98
15) Acetone	3.86	43	1312895	9.291	ppbv	100
16) 1,3-Butadiene	3.34	39	774324	10.193	ppbv	97
17) tert-Butyl alcohol	4.29	59	1189175	10.849	ppbv	99
18) 1,1-Dichloroethene	4.30	96	631852	9.875	ppbv	97
19) Isopropyl Alcohol	3.97	45	732761	11.055	ppbv	99
20) Methylene Chloride	4.35	84	500733	8.408	ppbv	95
21) Allyl Chloride	4.42	41	946342	9.927	ppbv	100
22) trans-1,2-Dichloroethene	4.90	96	635670	10.325	ppbv	97
23) Vinyl Acetate	5.08	43	1193728	10.210	ppbv #	97
24) 1,1-Dichloroethane	5.02	63	1226306	7.655	ppbv	99
25) Ethyl Acetate	5.68	43	3372675	10.589	ppbv	100
26) Hexane	5.69	57	1461143	10.439	ppbv	99
27) Carbon Disulfide	4.56	76	1409247	9.714	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1185589	7.673	ppbv	99
29) Chloroform	5.76	83	2257591	9.585	ppbv	99
30) Cyclohexane	7.14	84	1294445	11.009	ppbv	95
31) cis-1,2-Dichloroethene	5.56	61	1478000	10.356	ppbv	92
32) 1,1,1-Trichloroethane	6.52	97	2260147	9.807	ppbv	98
34) 2-Butanone	5.25	43	1955245	9.483	ppbv	97
35) Carbon Tetrachloride	7.03	117	2301171	8.308	ppbv	95
36) Benzene	6.90	78	3117865	10.120	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1681976	8.295	ppbv #	95
38) Trichloroethene	7.84	130	1489615	10.526	ppbv	98
39) 1,2-Dichloropropane	7.62	63	1207337	9.852	ppbv	93
40) 1,4-Dioxane	7.83	88	467790	11.595	ppbv #	1
41) Tetrahydrofuran	6.05	42	1277791	10.304	ppbv	100
42) Bromodichloromethane	7.80	83	2454636	8.723	ppbv	99
43) Methyl Methacrylate	8.02	69	1255990	10.465	ppbv	97

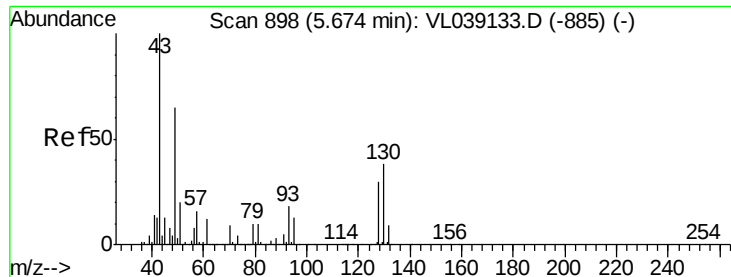
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060322\
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5120032	9.499	ppbv	97
45) t-1,3-Dichloropropene	9.28	75	1324117	10.594	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	1697997	10.284	ppbv	95
47) 1,1,2-Trichloroethane	9.48	97	1269477	9.929	ppbv	100
48) Dibromochloromethane	10.31	129	2092676	9.167	ppbv	99
49) Bromoform	13.05	173	1677393	8.817	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	3126900	10.132	ppbv	98
51) 2-Hexanone	10.13	43	2484846	10.347	ppbv #	98
52) Tetrachloroethene	11.23	164	1143360	9.504	ppbv	97
53) Toluene	9.81	91	3637541	10.253	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1764134	10.268	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1497956	7.121	ppbv	99
57) Chlorobenzene	12.15	112	2642360	7.899	ppbv	94
58) Ethyl Benzene	12.72	91	4817732	7.867	ppbv	98
59) m/p-Xylene	13.00	91	4429444	8.214	ppbv #	39
60) o-Xylene	13.70	91	3719000	7.339	ppbv	97
61) Styrene	13.53	104	2299462	8.474	ppbv	95
62) Isopropylbenzene	14.67	105	5511834	7.318	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	1966171	6.912	ppbv	100
64) n-propylbenzene	15.56	120	1450307	7.833	ppbv	93
65) tert-Butylbenzene	16.74	119	4838387	7.025	ppbv	96
66) Benzyl Chloride	16.99	91	669377	7.475	ppbv	99
67) sec-Butylbenzene	17.29	105	6813747	7.251	ppbv	99
69) p-Isopropyltoluene	17.65	119	5717598	7.212	ppbv	98
70) n-Butylbenzene	18.55	91	5965307	7.330	ppbv	99
71) 2-Chlorotoluene	15.46	91	4108393	7.153	ppbv	97
72) 4-Ethyltoluene	15.84	105	4528485	7.625	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	4015689	7.496	ppbv	100
74) 1,2,4-Trimethylbenzene	16.76	105	4285525	7.169	ppbv	93
75) 1,3-Dichlorobenzene	17.00	146	2550846	7.539	ppbv	98
76) 1,4-Dichlorobenzene	17.14	146	2529054	7.491	ppbv	97
77) 1,2-Dichlorobenzene	17.82	146	2472097	7.249	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	2276014	7.299	ppbv	99
79) Naphthalene	22.20	128	4863977	10.570	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	1682783	9.842	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	2631903	9.028	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: VSTDCCC010EC

Acq: 4 Jun 2022 12:33

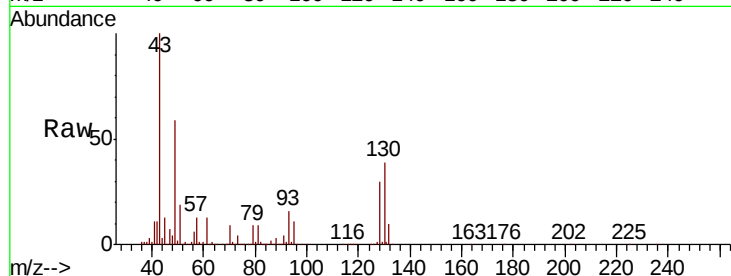
Tot Ion: 49 Resp: 1356611

Ion Ratio Lower Upper

49 100

128 52.5 24.7 74.1

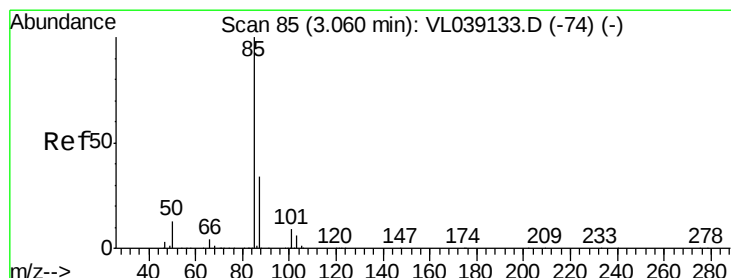
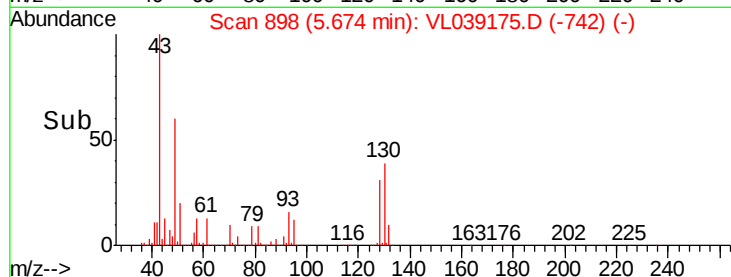
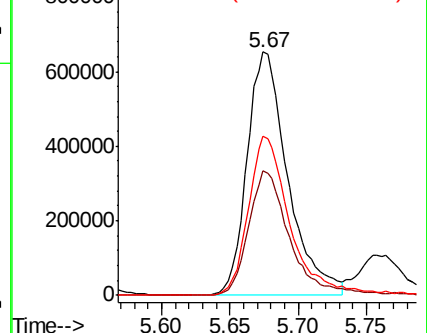
130 67.1 31.4 94.0



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: 8.430 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.00 min

Lab File: VL039175.D

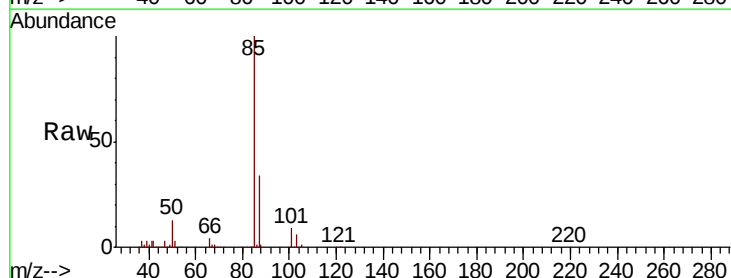
Acq: 4 Jun 2022 12:33

Tgt Ion: 85 Resp: 2008597

Ion Ratio Lower Upper

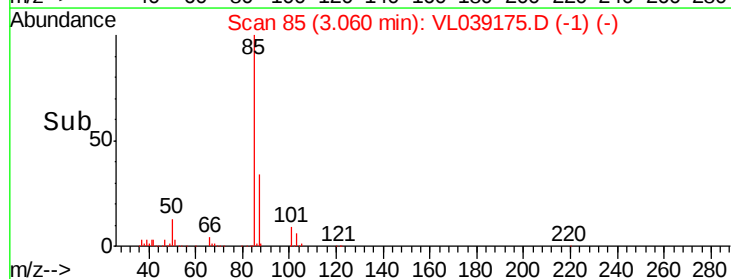
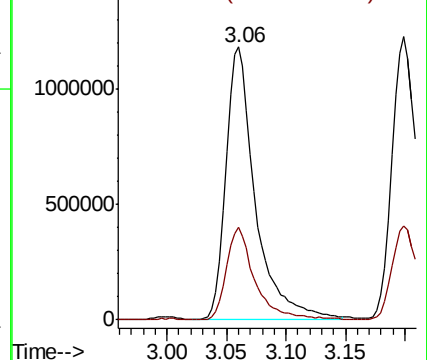
85 100

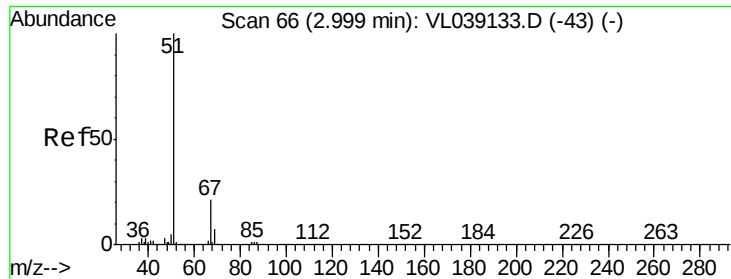
87 33.9 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

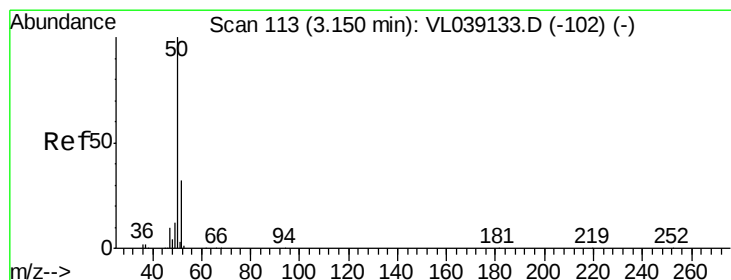
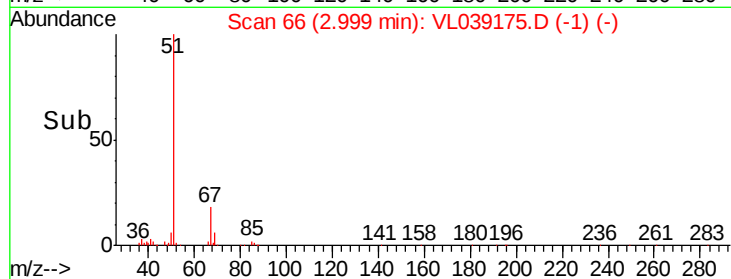
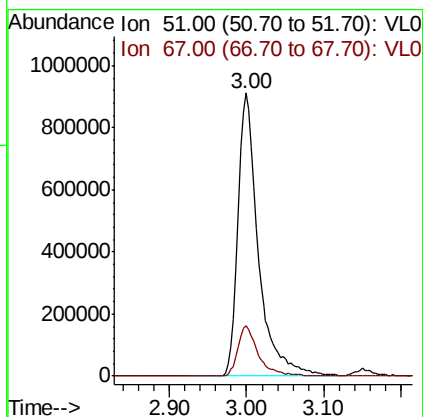
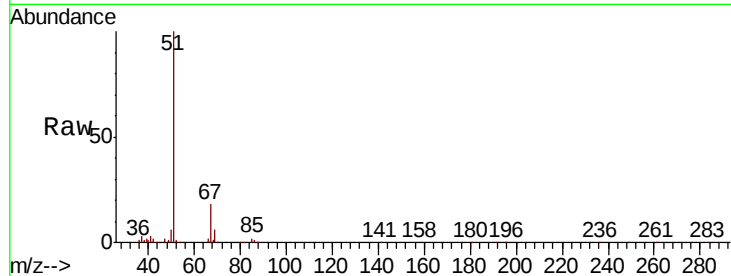
Ion 87.00 (86.70 to 87.70): VL0





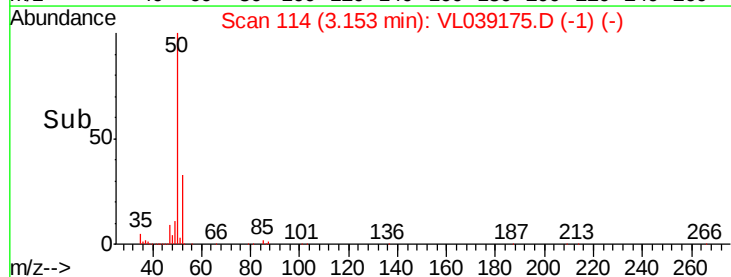
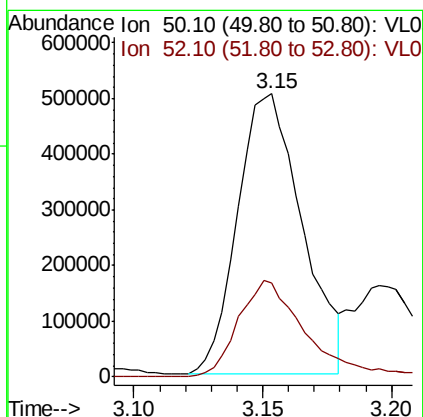
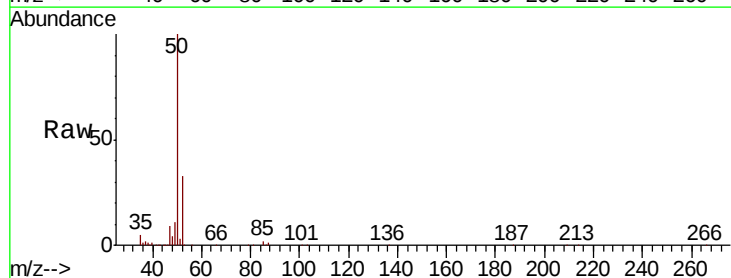
#3
 Chlorodifluoromethane
 Concen: 9.569 ppbv
 RT: 3.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 4 Jun 2022 12:33

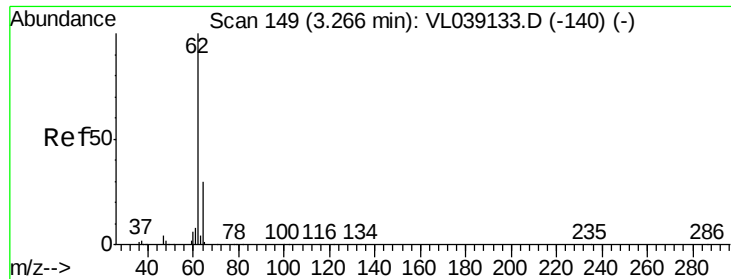
Tot Ion: 51 Resp: 1651719
 Ion Ratio Lower Upper
 51 100
 67 18.1 16.2 24.4



#4
 Chloromethane
 Concen: 9.909 ppbv
 RT: 3.15 min Scan# 114
 Delta R.T. 0.00 min
 Lab File: VL039175.D
 Acq: 4 Jun 2022 12:33

Tgt Ion: 50 Resp: 878541
 Ion Ratio Lower Upper
 50 100
 52 33.1 25.9 38.9





#5

Vinyl Chloride

Concen: 10.568 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

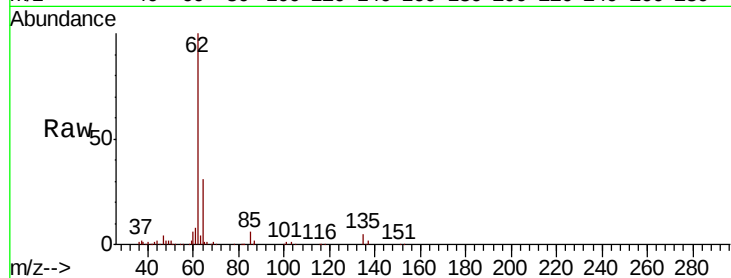
Acq: 4 Jun 2022 12:33 VSTDCCC010EC

Tot Ion: 62 Resp: 875915

Ion Ratio Lower Upper

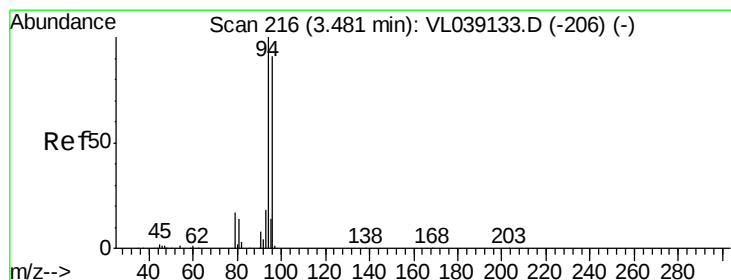
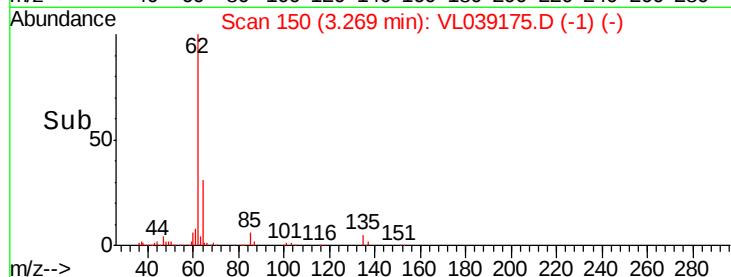
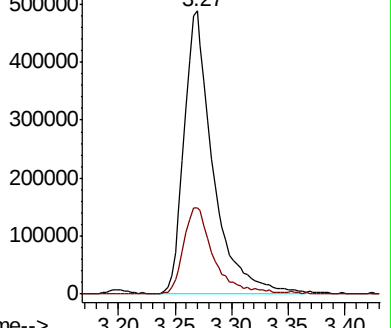
62 100

64 30.5 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: 9.770 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.00 min

Lab File: VL039175.D

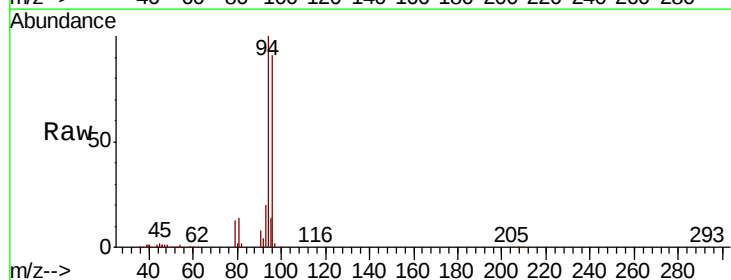
Acq: 4 Jun 2022 12:33

Tgt Ion: 94 Resp: 398360

Ion Ratio Lower Upper

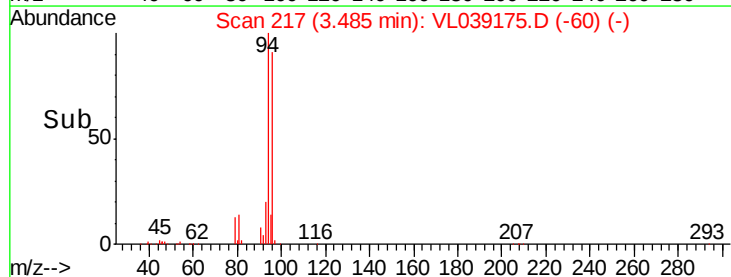
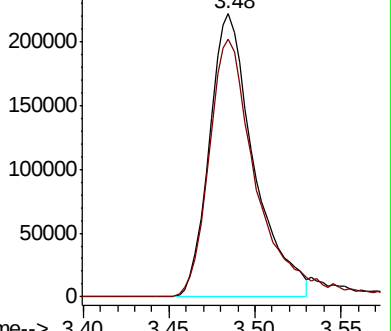
94 100

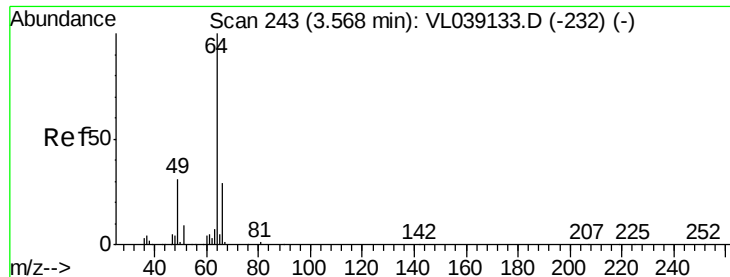
96 91.3 73.0 109.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.468 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

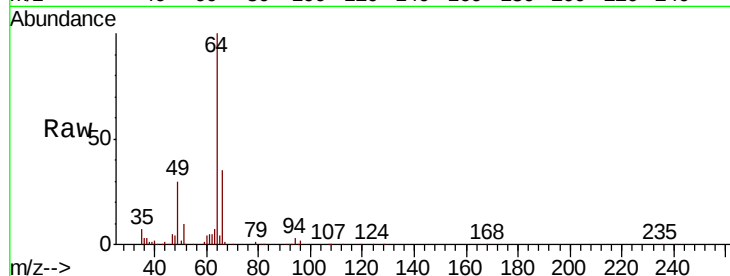
Acq: 4 Jun 2022 12:33 VSTDCCC010EC

Tot Ion: 64 Resp: 302335

Ion Ratio Lower Upper

64 100

66 34.9 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

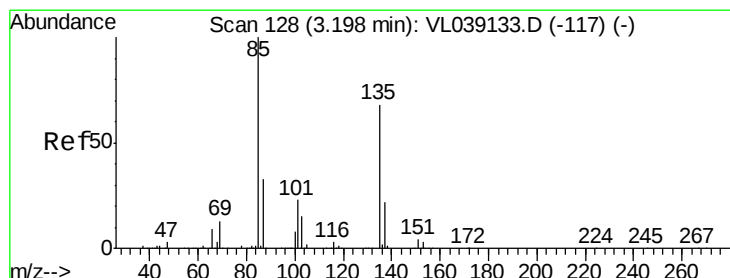
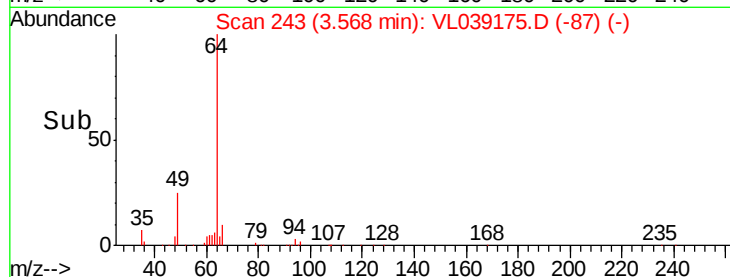
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.370 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.00 min

Lab File: VL039175.D

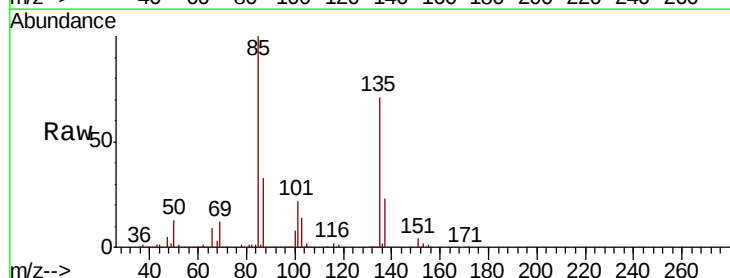
Acq: 4 Jun 2022 12:33

Tgt Ion: 85 Resp: 2040490

Ion Ratio Lower Upper

85 100

135 73.7 55.0 82.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

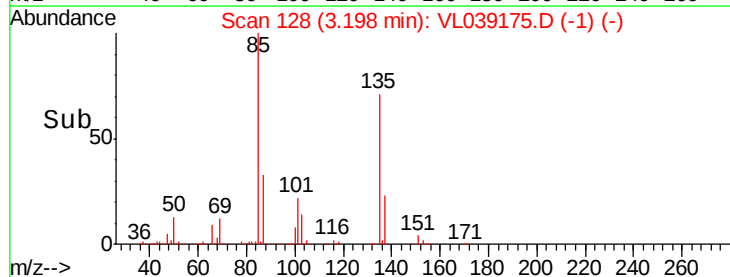
3.20

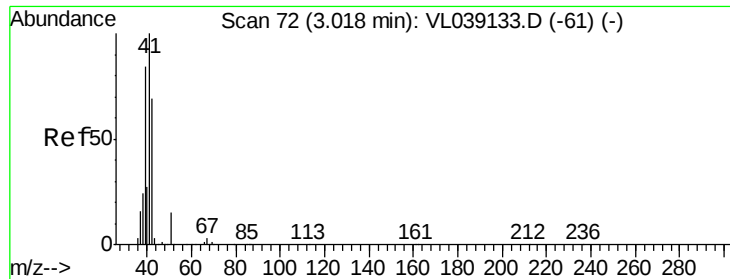
1000000

500000

0

Time-->





#9

Propene

Concen: 10.985 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. 0.00

Lab File: ClientSampleId: VSTDCCC010EC

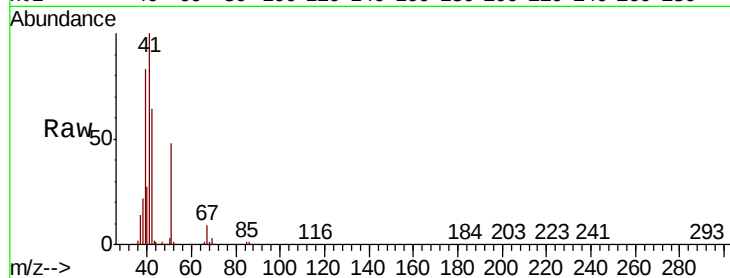
Acq: 4 Jun 2022 12:33

Tot Ion: 41 Resp: 826798

Ion Ratio Lower Upper

41 100

42 68.4 55.4 83.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.02

500000

400000

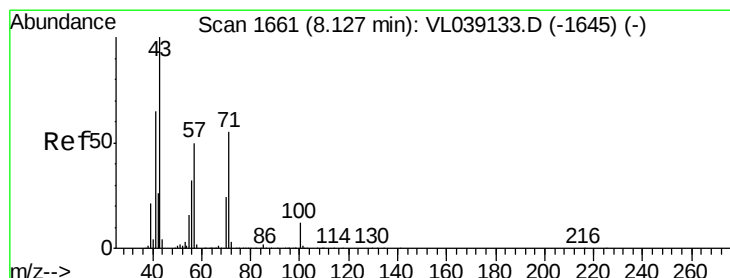
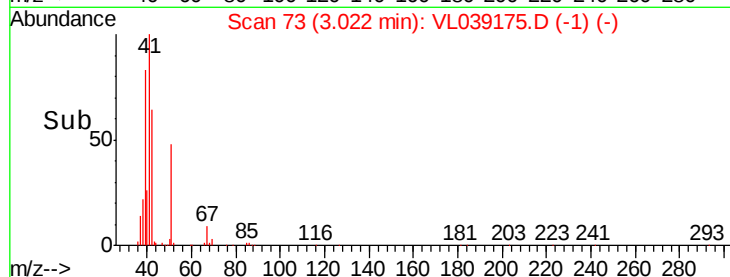
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 11.127 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VL039175.D

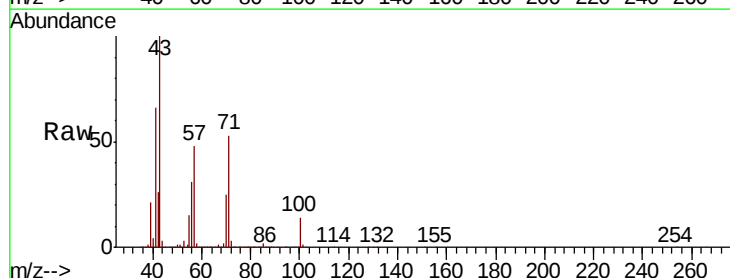
Acq: 4 Jun 2022 12:33

Tgt Ion: 43 Resp: 1953607

Ion Ratio Lower Upper

43 100

57 50.9 41.4 62.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.13

1000000

800000

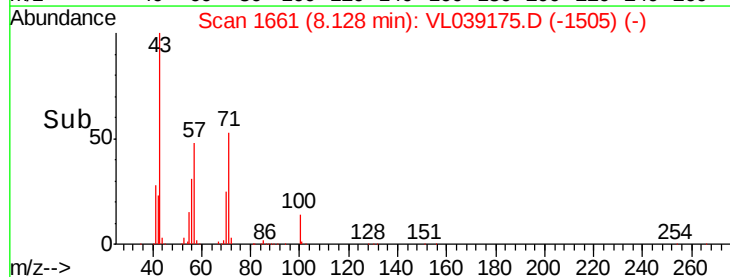
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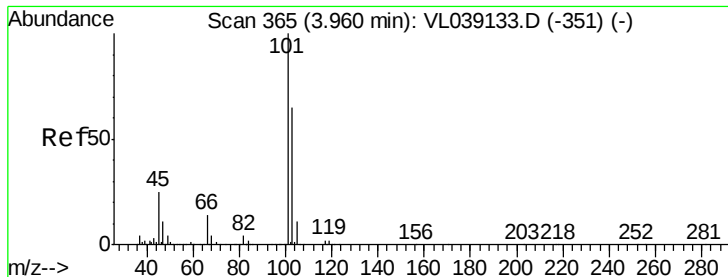
400000

200000

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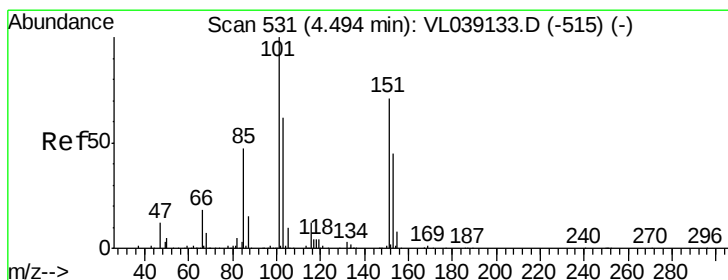
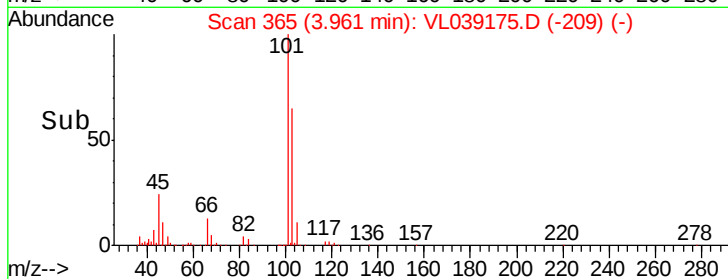
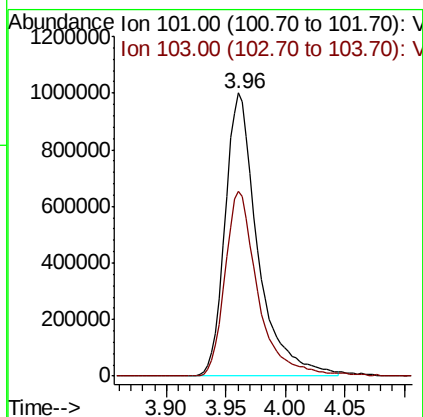
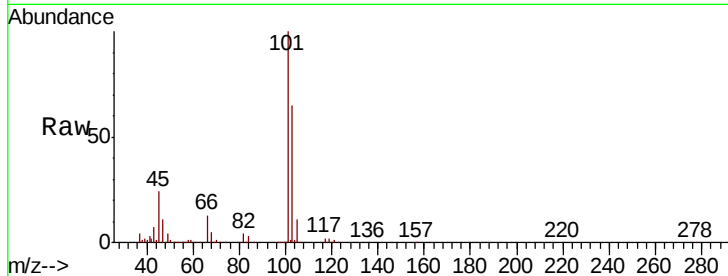
Time-->





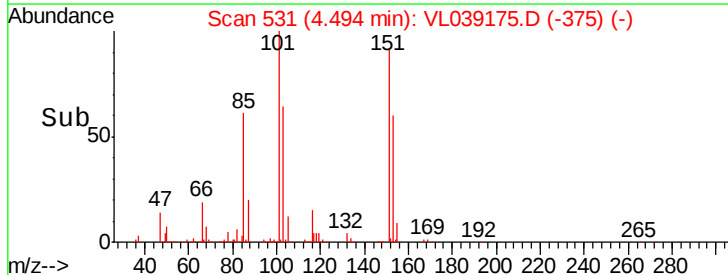
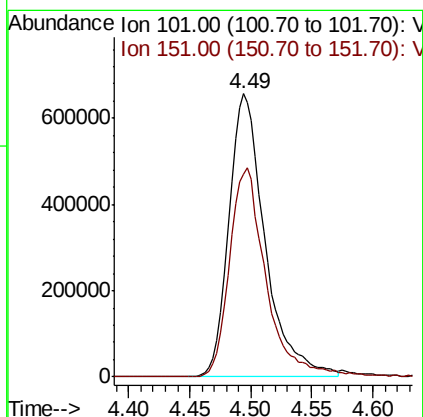
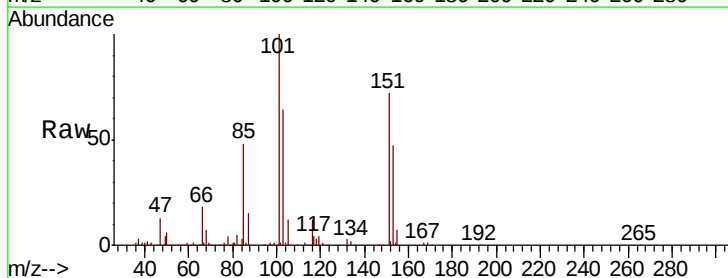
#11
 Trichlorofluoromethane
 Concen: 8.828 ppbv
 RT: 3.96
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 4 Jun 2022 12:33

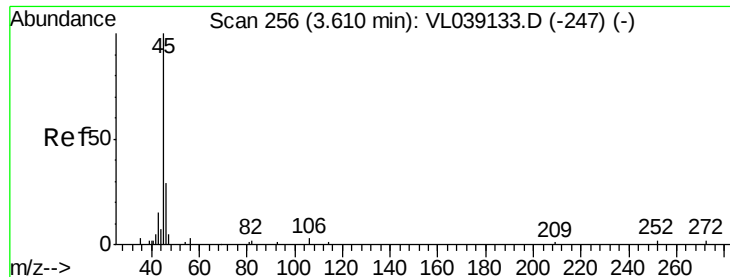
Tot Ion:101 Resp: 1904205
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.546 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VL039175.D
 Acq: 4 Jun 2022 12:33

Tgt Ion:101 Resp: 1361643
 Ion Ratio Lower Upper
 101 100
 151 74.6 59.4 89.0





#13

Ethanol

Concen: 6.223 ppbv

RT: 3.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

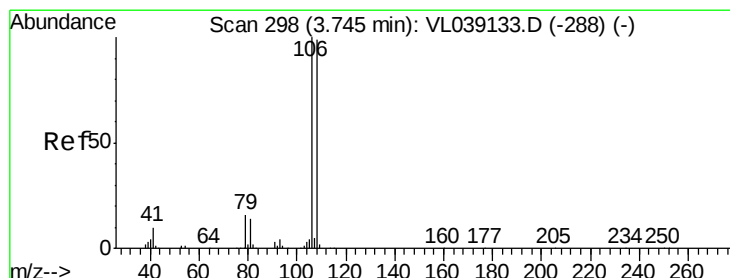
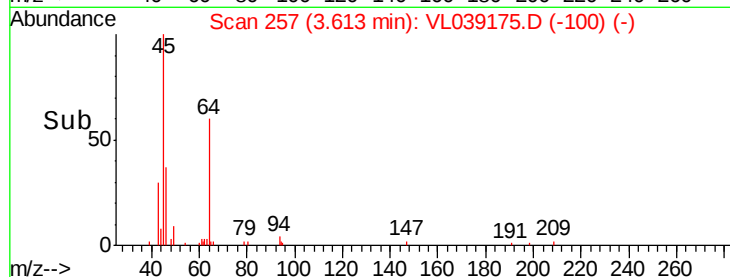
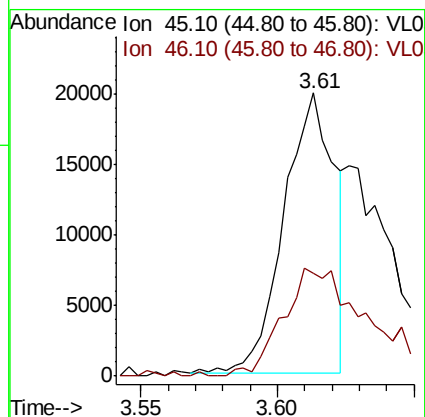
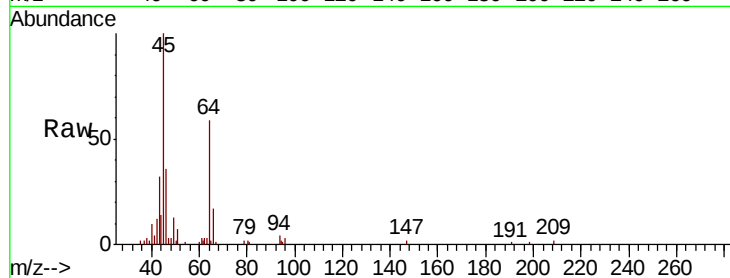
Acq: 4 Jun 2022 12:33 VSTDCCC010EC

Tot Ion: 45 Resp: 25545

Ion Ratio Lower Upper

45 100

46 77.1 0.0 0.0#



#14

Bromoethene

Concen: 9.961 ppbv

RT: 3.75 min Scan# 299

Delta R.T. 0.00 min

Lab File: VL039175.D

Acq: 4 Jun 2022 12:33

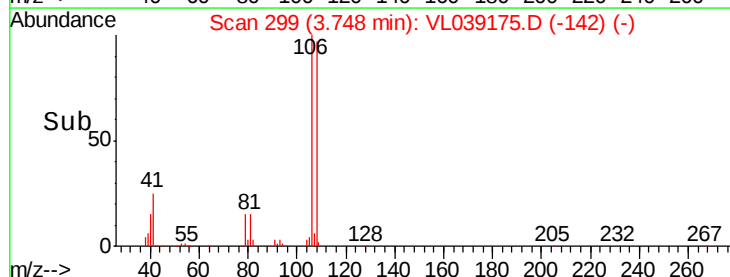
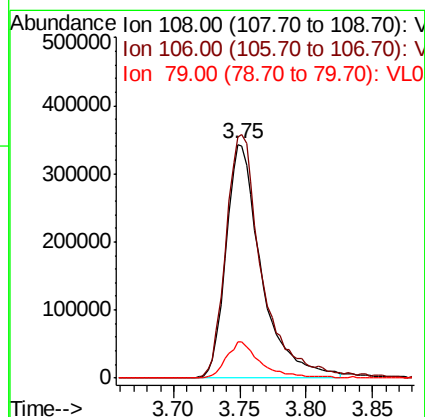
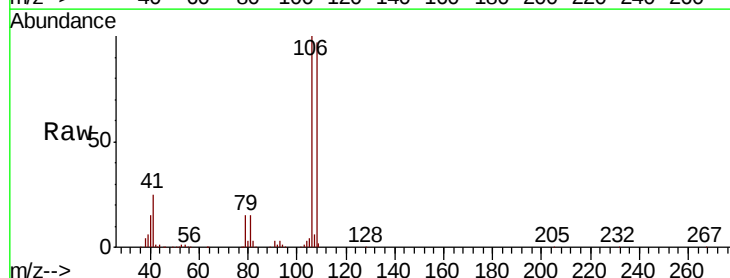
Tgt Ion: 108 Resp: 638747

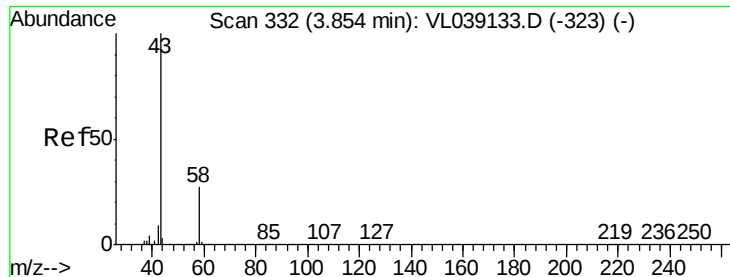
Ion Ratio Lower Upper

108 100

106 108.0 88.4 132.6

79 15.5 13.4 20.2





#15

Acetone

Concen: 9.291 ppbv

RT: 3.86 Instrument: MSVOA_L

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDCCC010EC

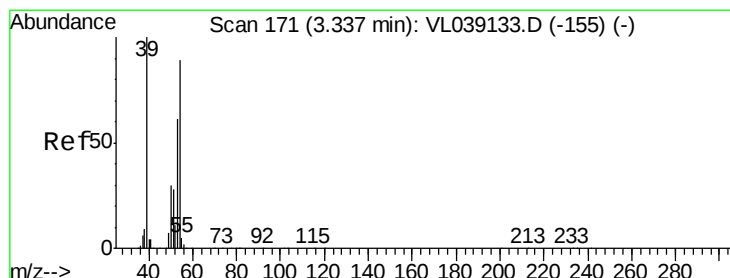
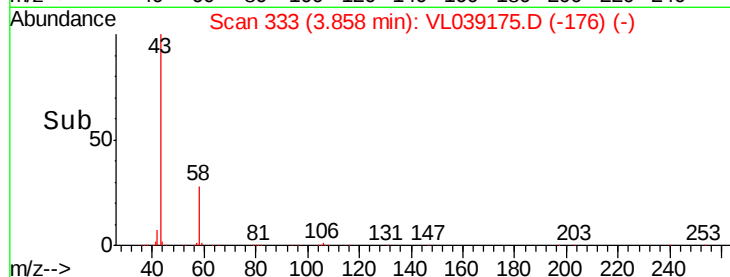
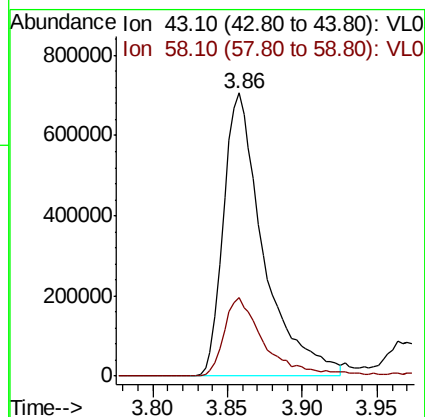
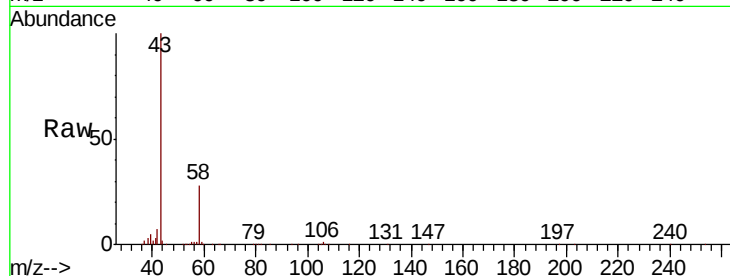
Acq: 4 Jun 2022 12:33

Tot Ion: 43 Resp: 1312895

Ion Ratio Lower Upper

43 100

58 28.3 22.5 33.7



#16

1,3-Butadiene

Concen: 10.193 ppbv

RT: 3.34 min Scan# 171

Delta R.T. 0.00 min

Lab File: VL039175.D

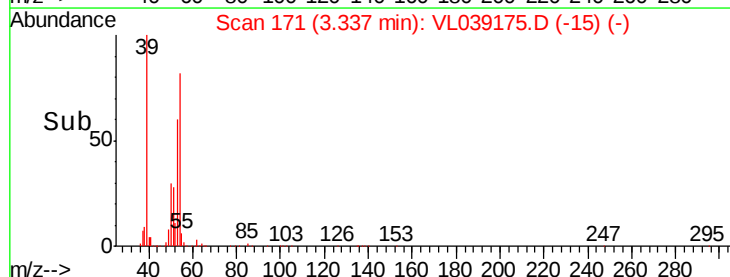
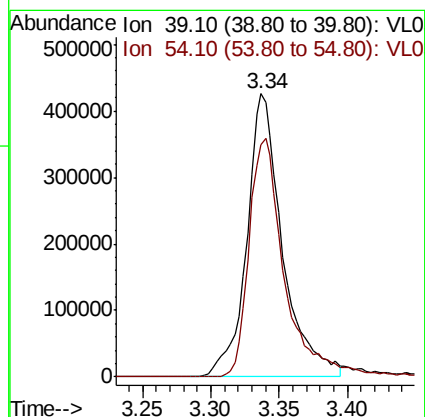
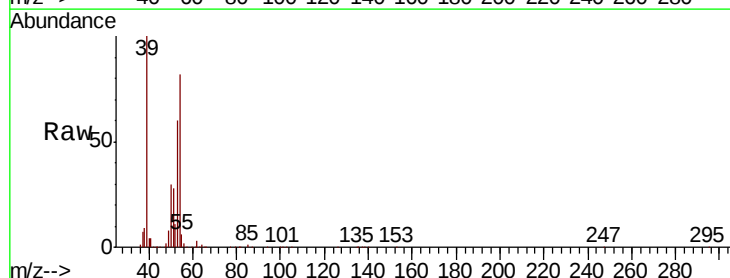
Acq: 4 Jun 2022 12:33

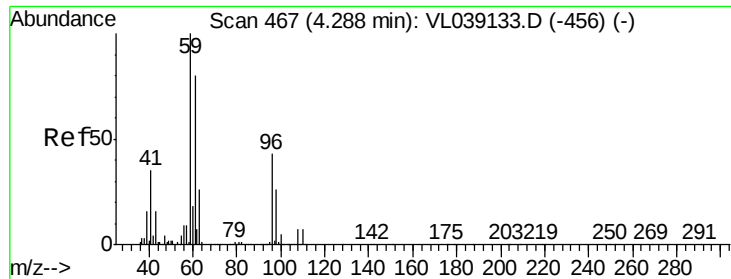
Tgt Ion: 39 Resp: 774324

Ion Ratio Lower Upper

39 100

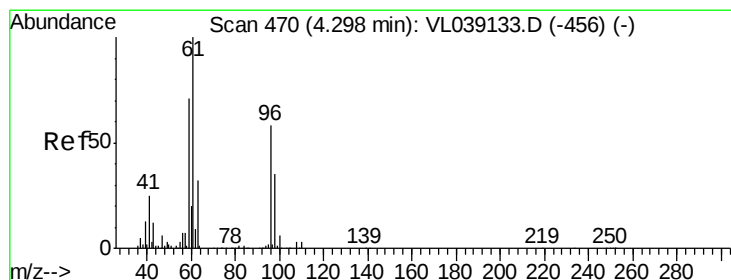
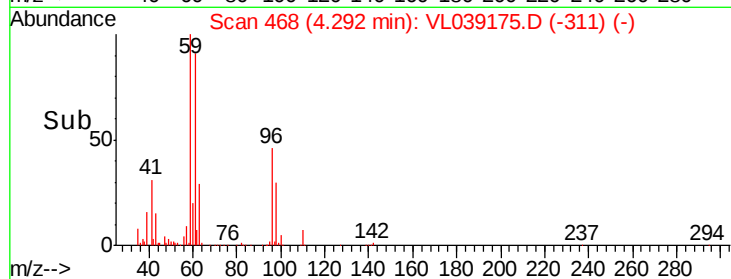
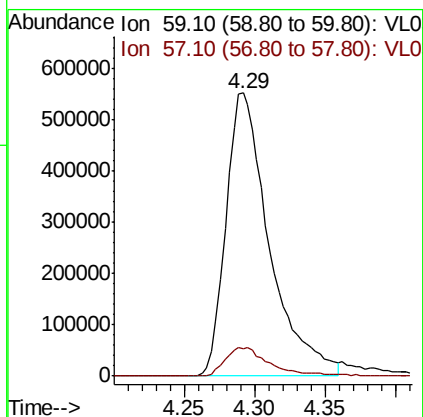
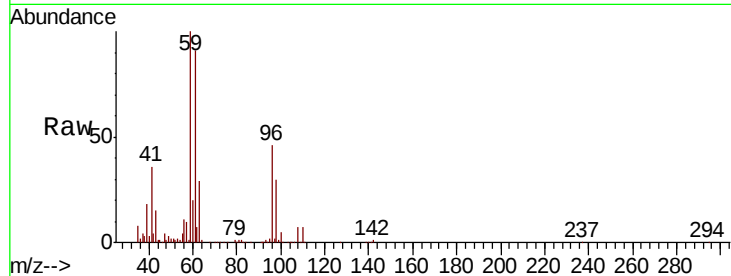
54 85.2 65.8 98.6





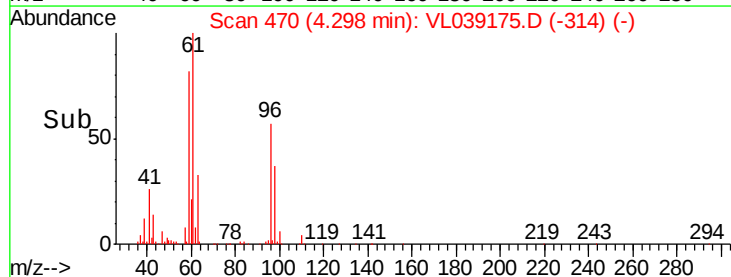
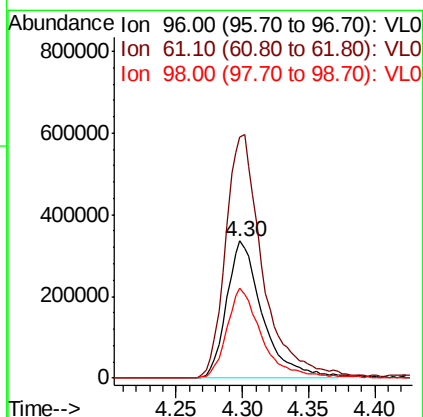
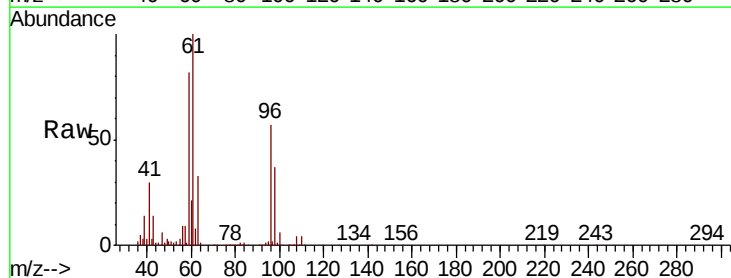
#17
tert-Butyl alcohol
Concen: 10.849 ppbv
RT: 4.29
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 4 Jun 2022 12:33

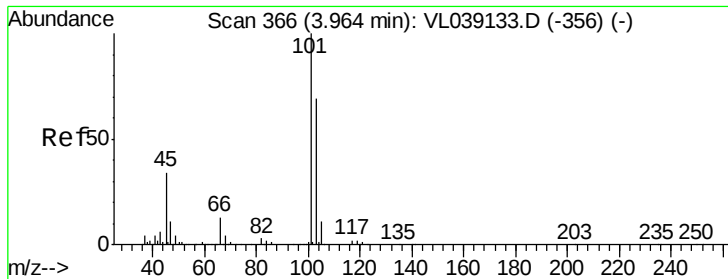
Tot Ion: 59 Resp: 1189175
Ion Ratio Lower Upper
59 100
57 10.9 9.1 13.7



#18
1,1-Dichloroethene
Concen: 9.875 ppbv
RT: 4.30 min Scan# 470
Delta R.T.: 0.00 min
Lab File: VL039175.D
Acq: 4 Jun 2022 12:33

Tgt Ion: 96 Resp: 631852
Ion Ratio Lower Upper
96 100
61 175.6 138.4 207.6
98 65.7 47.8 71.8





#19

Isopropyl Alcohol

Concen: 11.055 ppbv

RT: 3.97 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

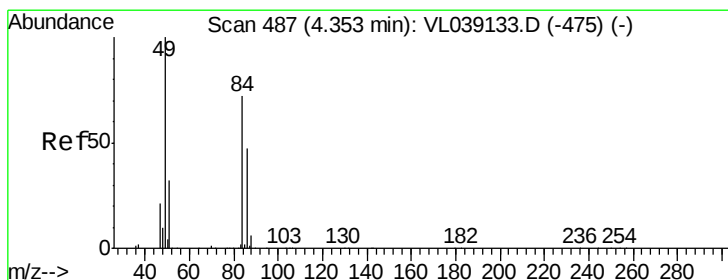
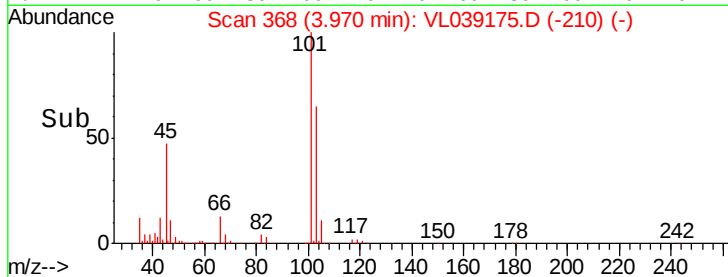
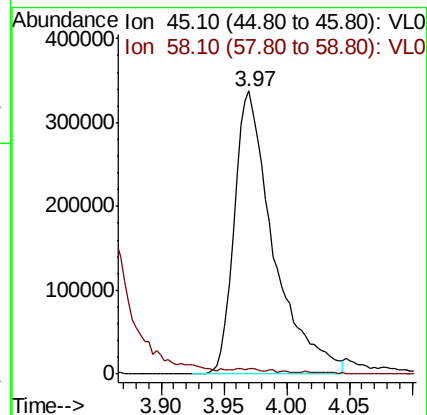
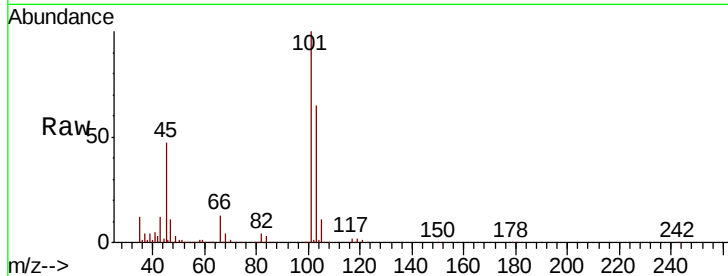
Acq: 4 Jun 2022 12:33 VSTDCCC010EC

Tot Ion: 45 Resp: 732761

Ion Ratio Lower Upper

45 100

58 2.7 1.8 2.8



#20

Methylene Chloride

Concen: 8.408 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.00 min

Lab File: VL039175.D

Acq: 4 Jun 2022 12:33

Tgt Ion: 84 Resp: 500733

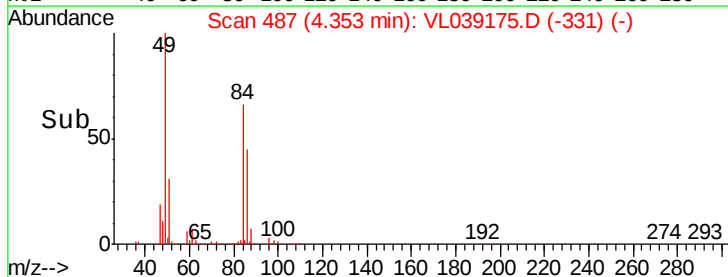
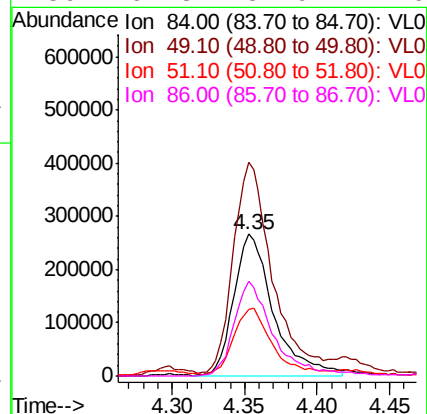
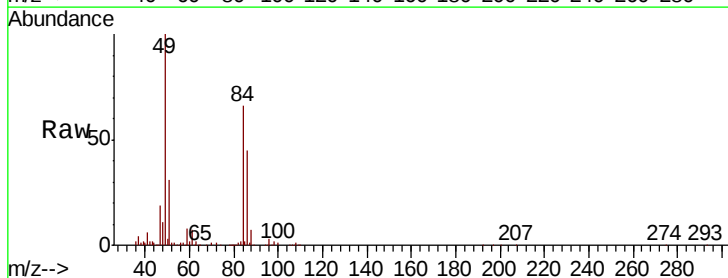
Ion Ratio Lower Upper

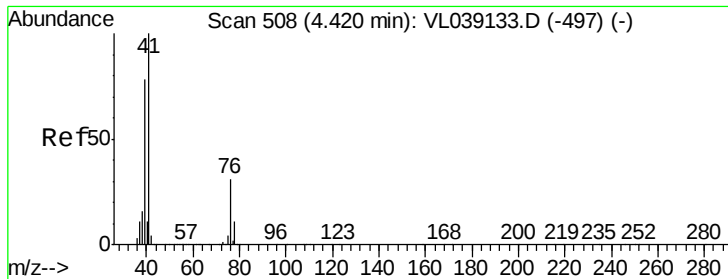
84 100

49 148.1 111.1 166.7

51 45.1 35.3 52.9

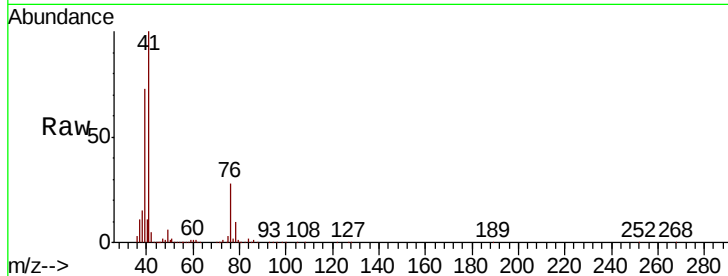
86 67.3 51.9 77.9



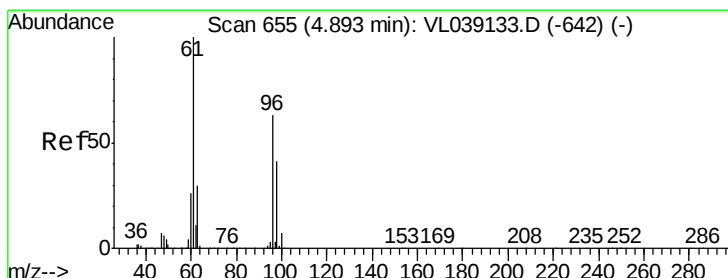
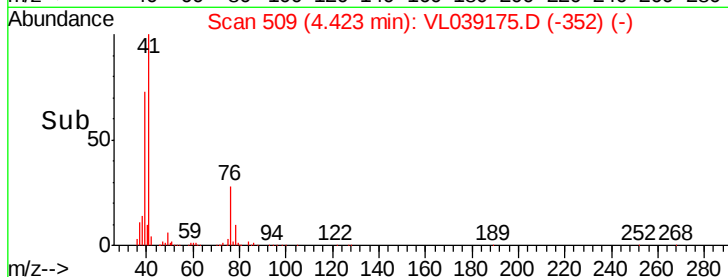
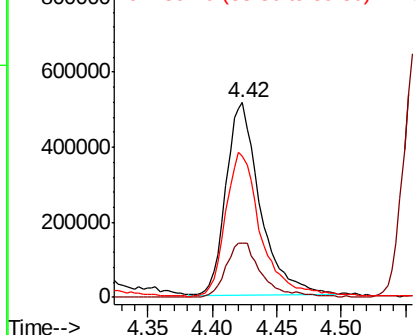


#21
 Allvl Chloride
 Concen: 9.927 ppbv
 RT: 4.42
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 4 Jun 2022 12:33

Tot Ion: 41 Resp: 946342
 Ion Ratio Lower Upper
 41 100
 76 29.5 24.2 36.2
 39 77.8 62.2 93.2

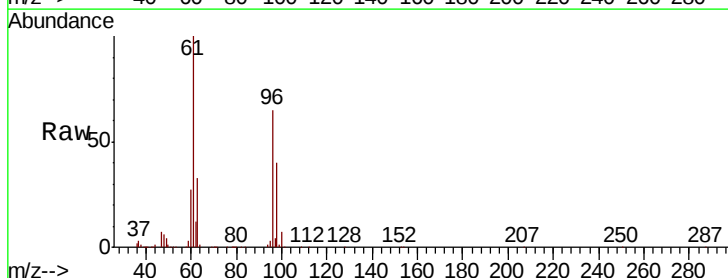


Abundance Ion 41.10 (40.80 to 41.80): VL0
 Ion 76.10 (75.80 to 76.80): VL0
 Ion 39.10 (38.80 to 39.80): VL0

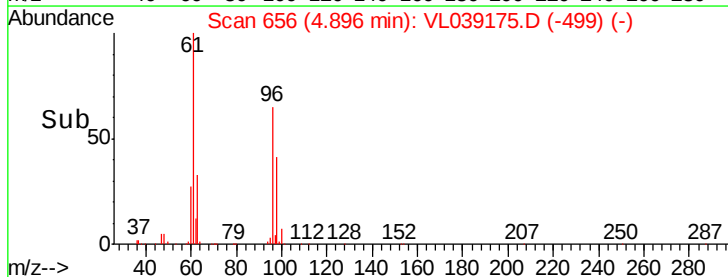
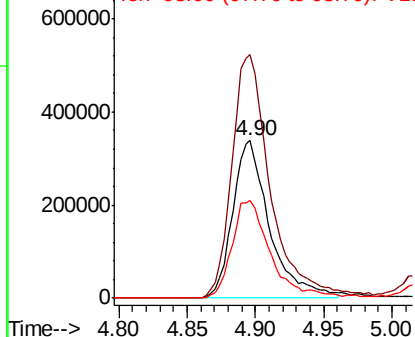


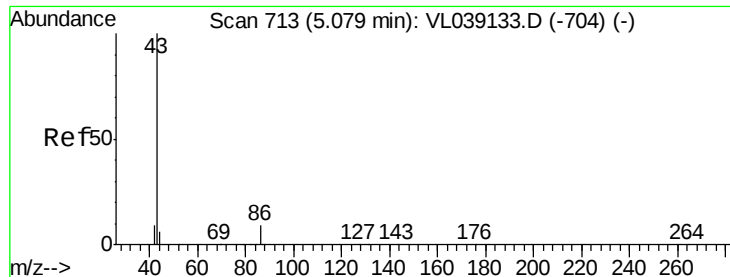
#22
 trans-1,2-Dichloroethene
 Concen: 10.325 ppbv
 RT: 4.90 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: VL039175.D
 Acq: 4 Jun 2022 12:33

Tgt Ion: 96 Resp: 635670
 Ion Ratio Lower Upper
 96 100
 61 154.8 126.6 190.0
 98 62.5 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: 10.210 ppbv

RT: 5.08 Instrument:

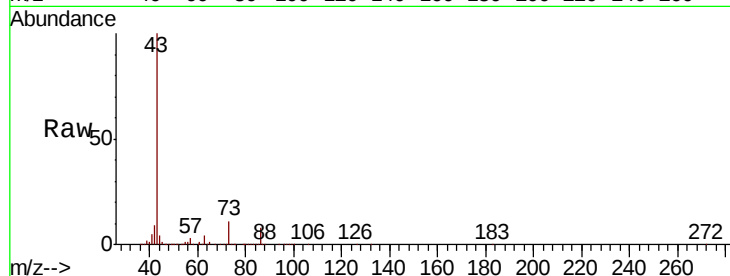
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 4 Jun 2022 12:33 VSTDCCC010EC

Tot Ion: 43 Resp: 1193728

Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.0	9.0
42	9.0	8.2	12.4
44	4.0	4.3	6.5#

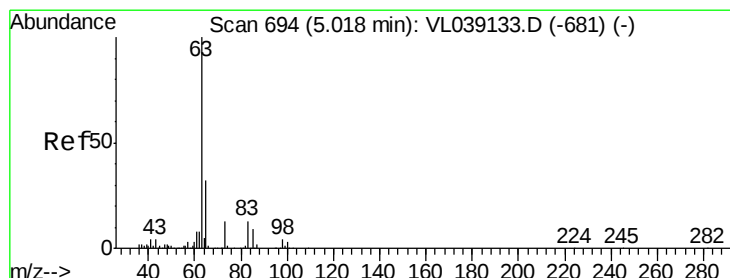
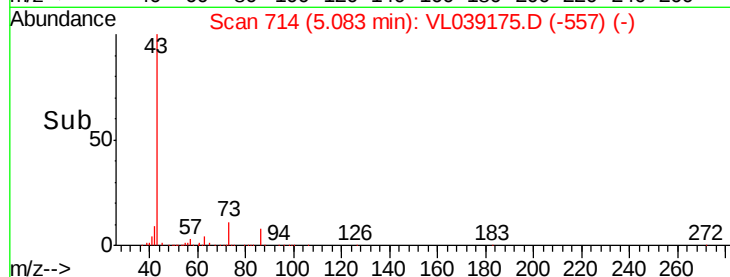
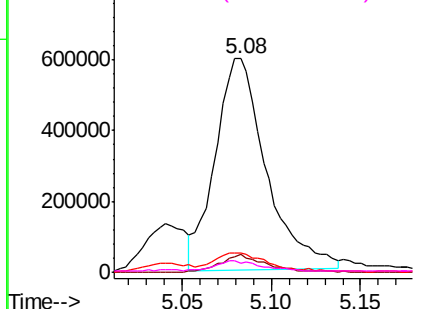


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 7.655 ppbv

RT: 5.02 min Scan# 694

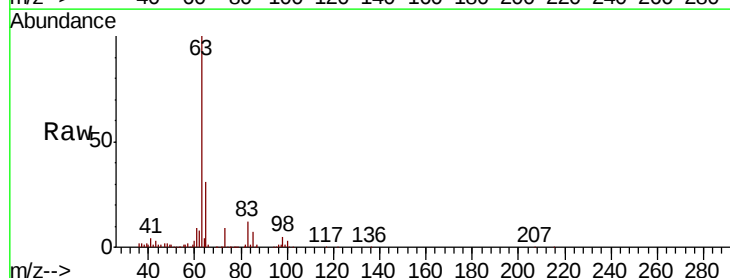
Delta R.T. 0.00 min

Lab File: VL039175.D

Acq: 4 Jun 2022 12:33

Tgt Ion: 63 Resp: 1226306

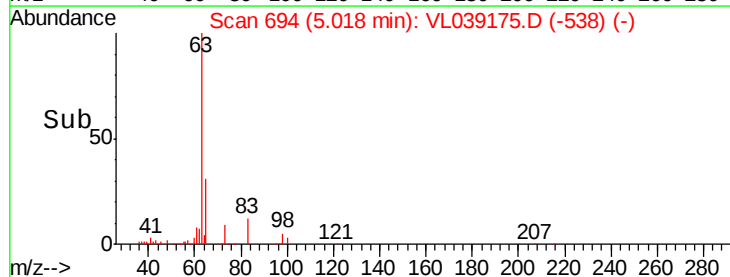
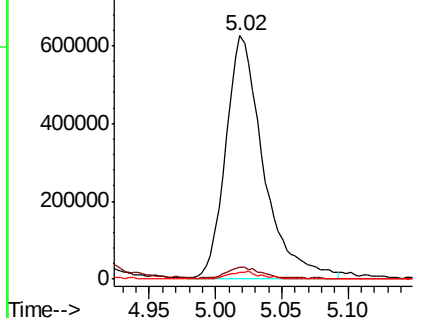
Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.1	6.2
100	2.9	1.5	4.5

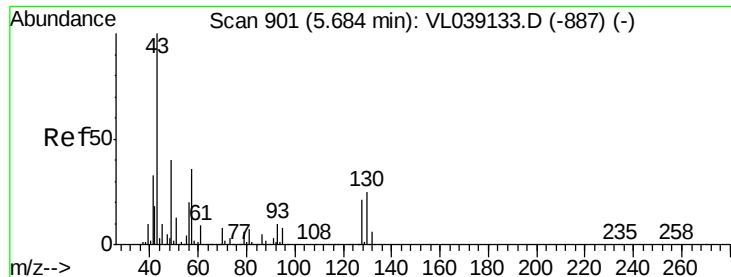


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

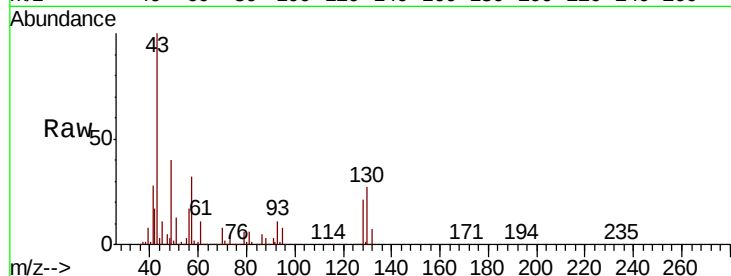




#25
Ethyl Acetate
Concen: 10.589 ppbv
RT: 5.68 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 4 Jun 2022 12:33
VSTDCCC010EC

Tot Ion: 43 Resp: 3372675

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.2
61	10.4	8.4	12.6
70	7.1	5.6	8.4



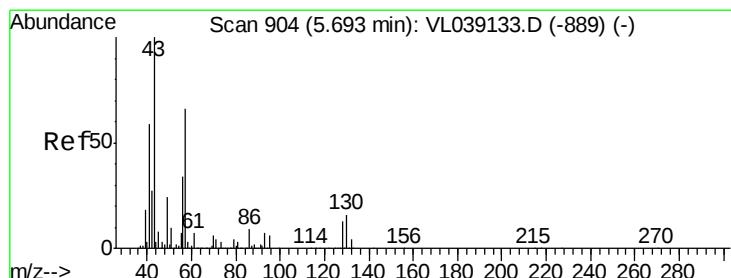
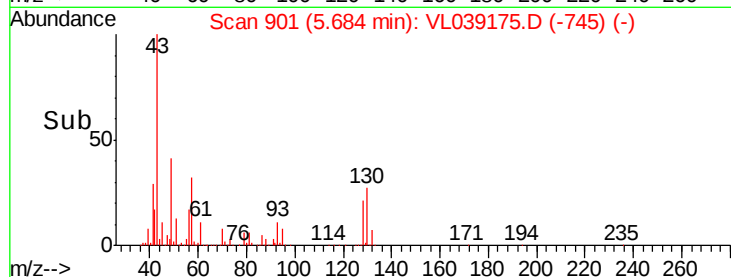
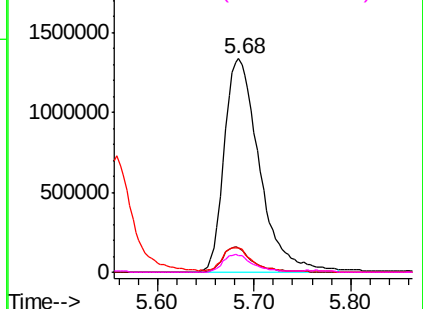
Abundance

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

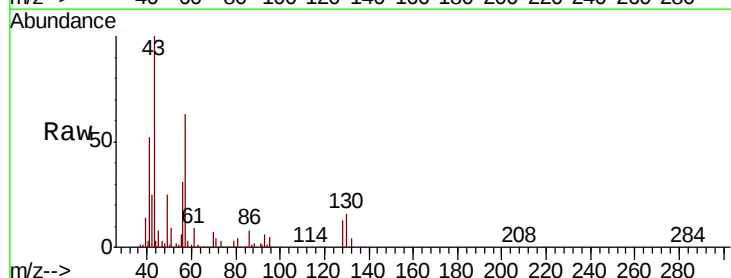
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.439 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.00 min
Lab File: VL039175.D
Acq: 4 Jun 2022 12:33

Tgt Ion: 57 Resp: 1461143

Ion	Ratio	Lower	Upper
57	100		
41	87.9	72.4	108.6
43	233.9	187.0	280.6
56	52.7	41.8	62.6



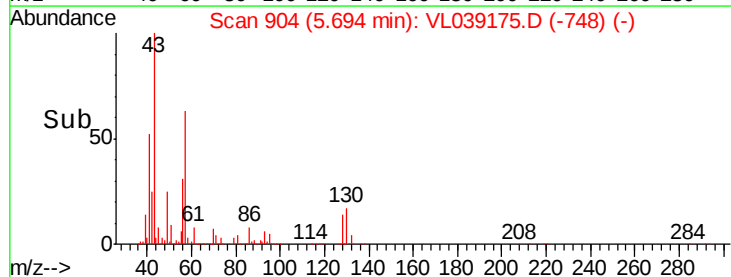
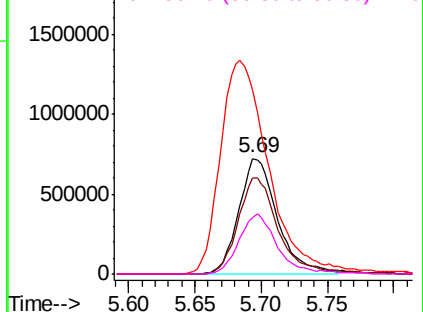
Abundance

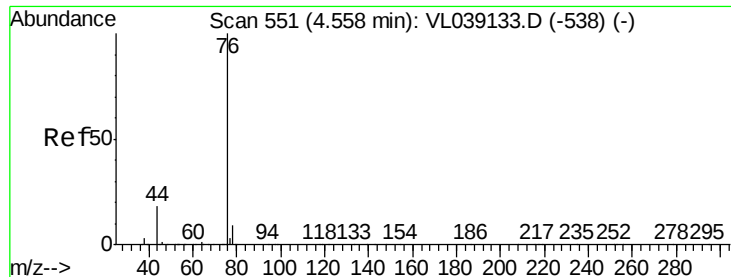
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

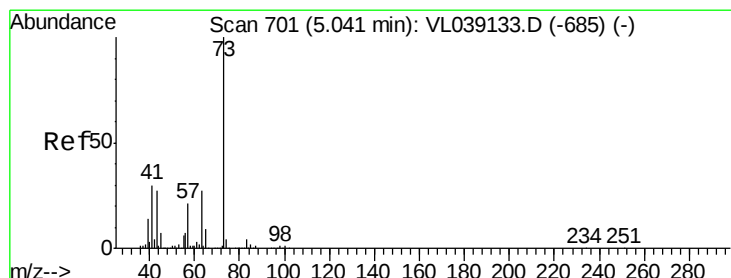
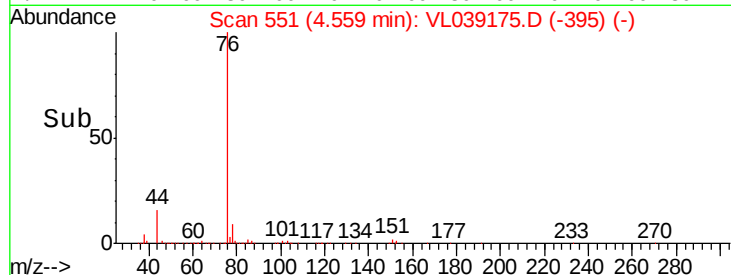
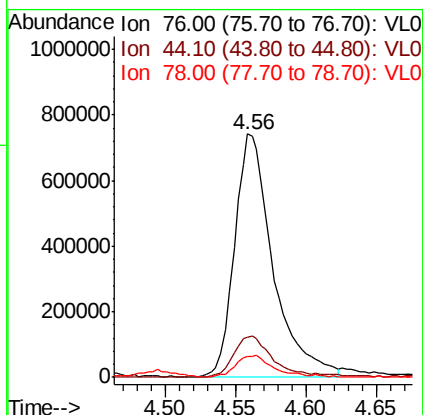
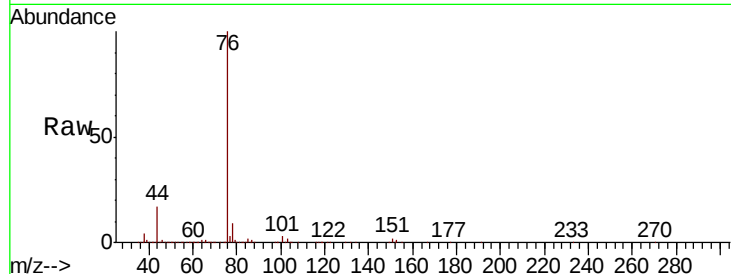
Ion 56.10 (55.80 to 56.80): VL0





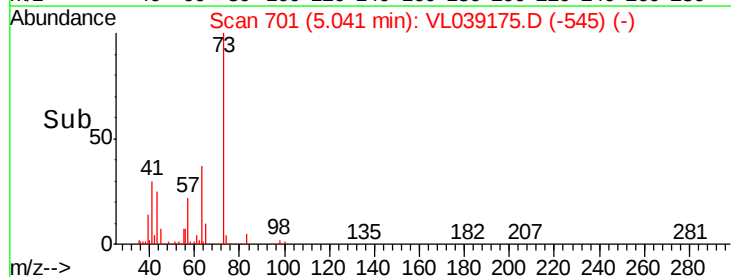
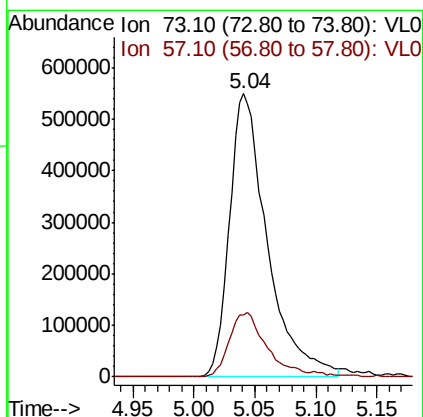
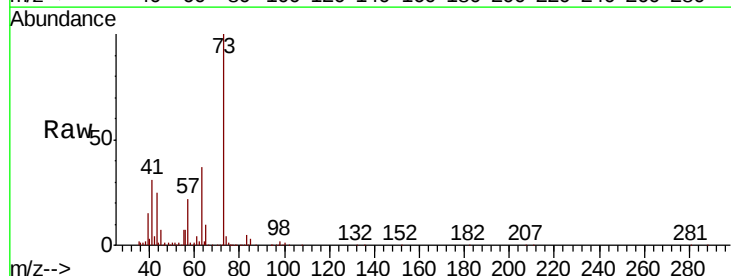
#27
Carbon Disulfide
Concen: 9.714 ppbv
RT: 4.56
Instrument: MSVOA_L
Delta R.T.:
ClientSampleId:
Lab File: VSTDCCC010EC
Acq: 4 Jun 2022 12:33

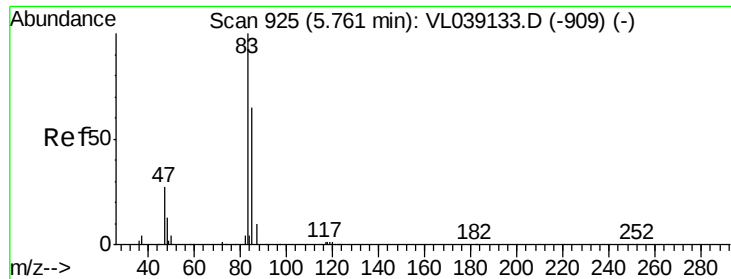
Tot Ion: 76 Resp: 1409247
Ion Ratio Lower Upper
76 100
44 17.2 14.4 21.6
78 9.7 7.7 11.5



#28
Methyl tert-Butyl Ether
Concen: 7.673 ppbv
RT: 5.04 min Scan# 701
Delta R.T. 0.00 min
Lab File: VL039175.D
Acq: 4 Jun 2022 12:33

Tgt Ion: 73 Resp: 1185589
Ion Ratio Lower Upper
73 100
57 23.8 18.6 27.8





#29

Chloroform

Concen: 9.585 ppbv

RT: 5.76 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

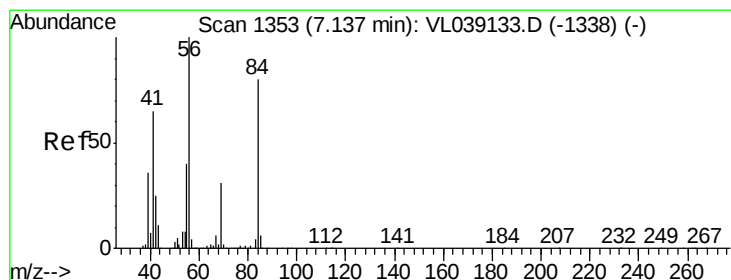
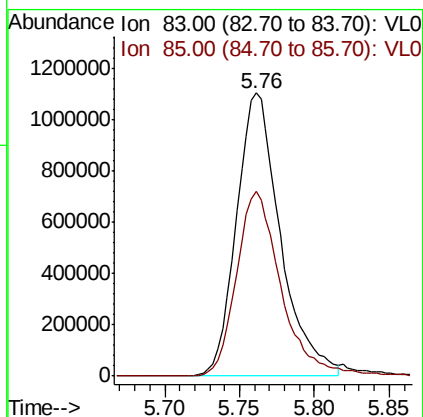
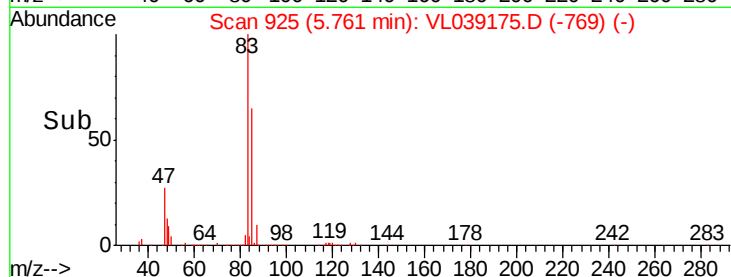
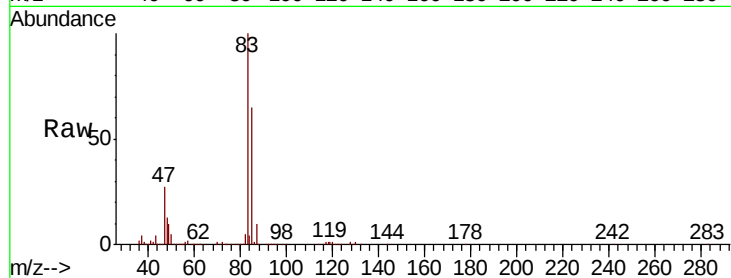
Acq: 4 Jun 2022 12:33

Tot Ion: 83 Resp: 2257591

Ion Ratio Lower Upper

83 100

85 65.1 52.4 78.6



#30

Cyclohexane

Concen: 11.009 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. 0.00 min

Lab File: VL039175.D

Acq: 4 Jun 2022 12:33

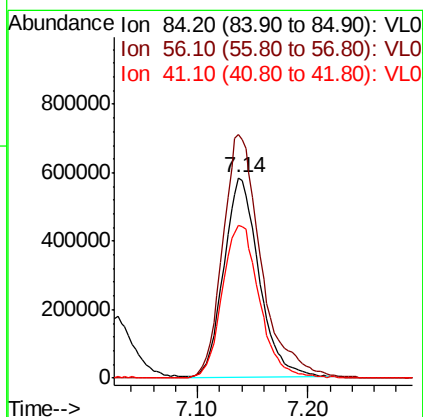
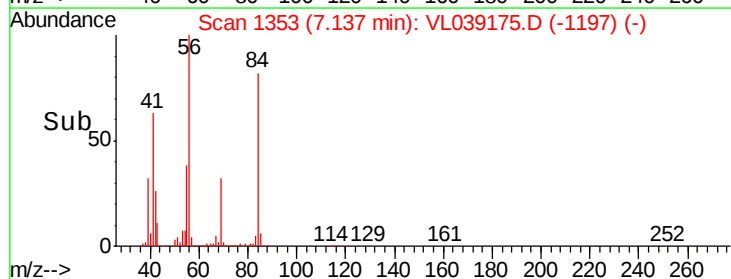
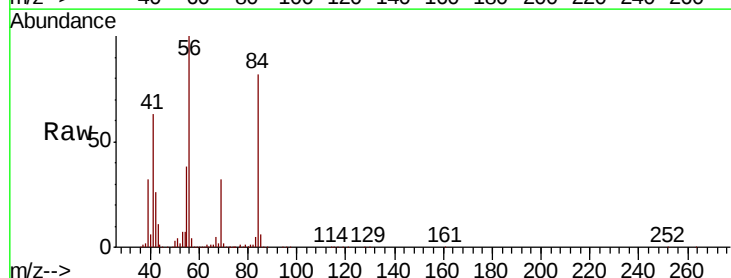
Tgt Ion: 84 Resp: 1294445

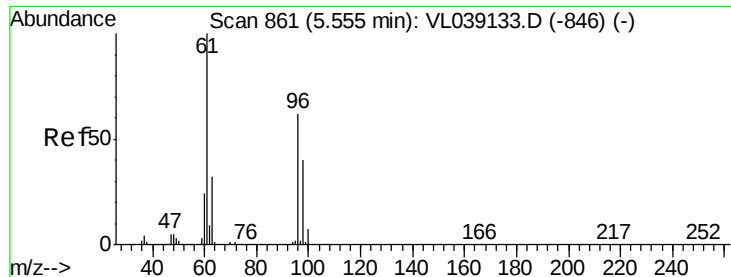
Ion Ratio Lower Upper

84 100

56 133.0 110.6 165.8

41 81.2 68.9 103.3





#31

cis-1,2-Dichloroethene

Concen: 10.356 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 4 Jun 2022 12:33 VSTDCCC010EC

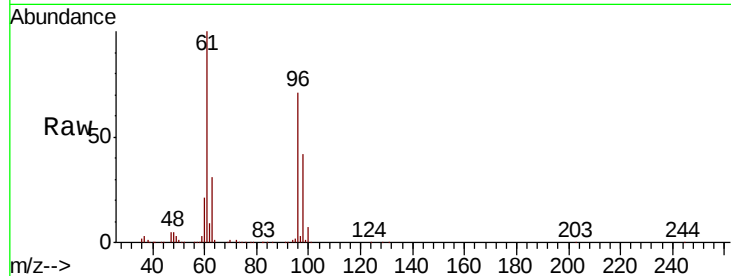
Tot Ion: 61 Resp: 1478000

Ion Ratio Lower Upper

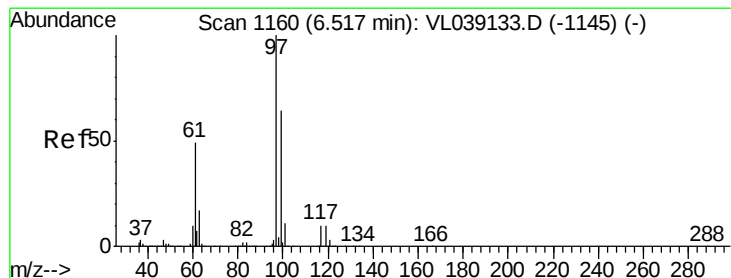
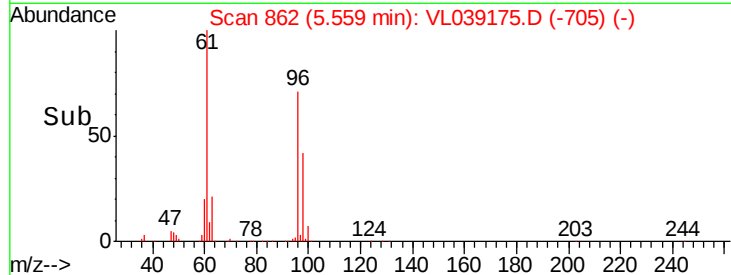
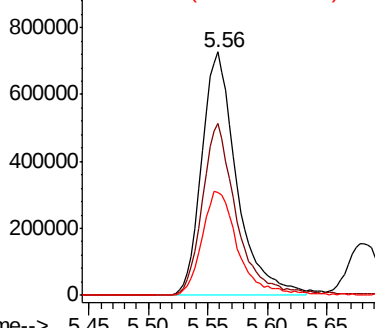
61 100

96 70.7 49.9 74.9

98 42.4 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



#32

1,1,1-Trichloroethane

Concen: 9.807 ppbv

RT: 6.52 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VL039175.D

Acq: 4 Jun 2022 12:33

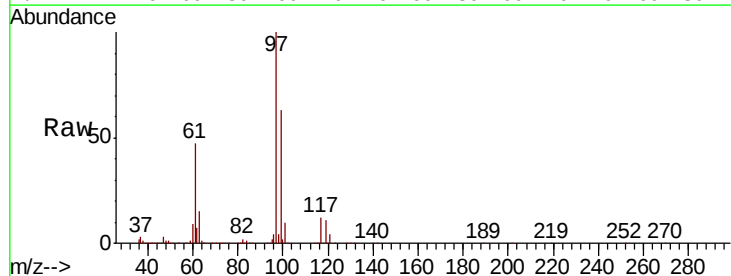
Tgt Ion: 97 Resp: 2260147

Ion Ratio Lower Upper

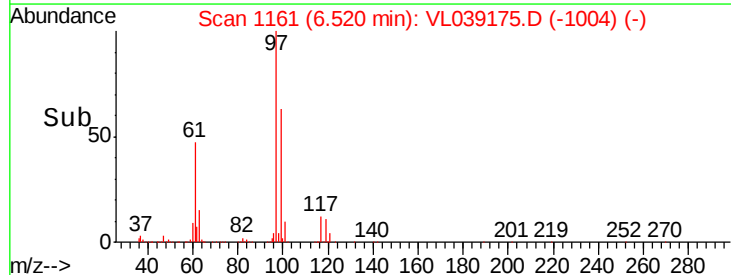
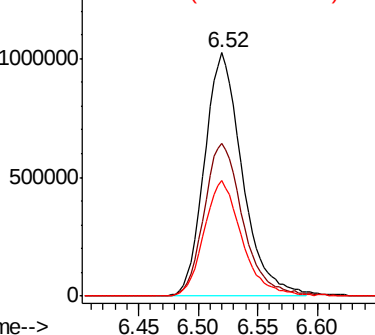
97 100

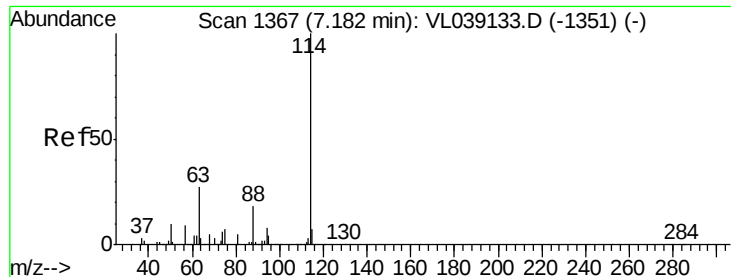
99 64.8 52.1 78.1

61 47.9 40.0 60.0



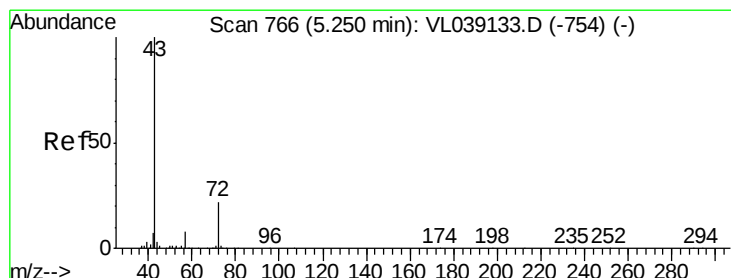
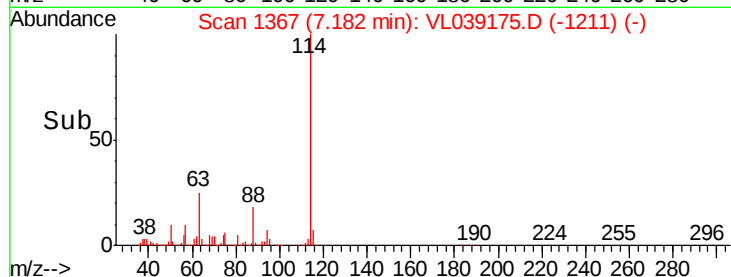
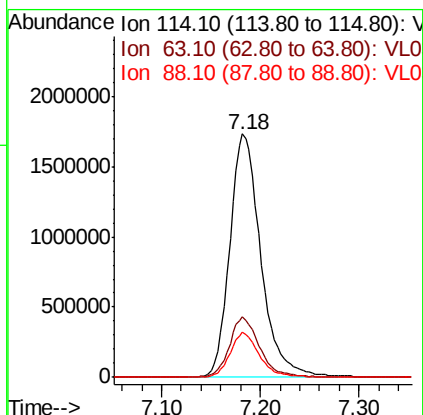
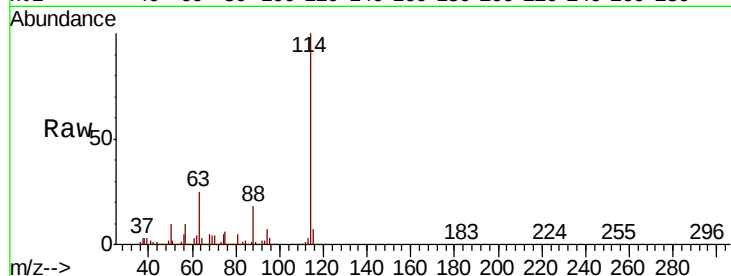
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





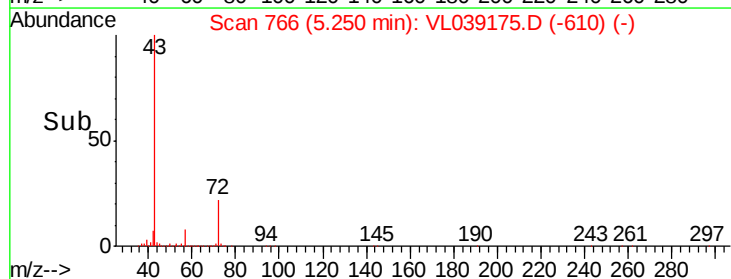
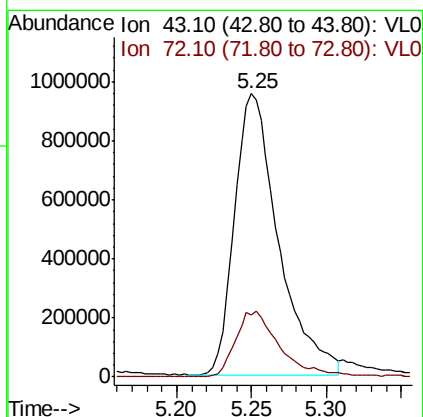
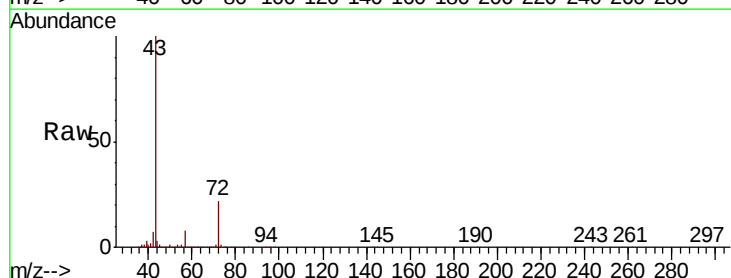
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 4 Jun 2022 12:33

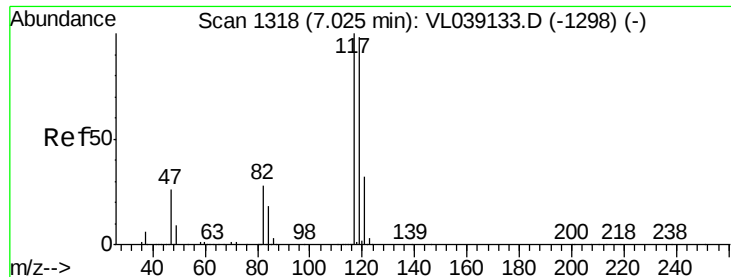
Tot Ion:114 Resp: 3795103
 Ion Ratio Lower Upper
 114 100
 63 24.4 21.7 32.5
 88 17.6 14.8 22.2



#34
 2-Butanone
 Concen: 9.483 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T.: 0.00 min
 Lab File: VL039175.D
 Acq: 4 Jun 2022 12:33

Tgt Ion: 43 Resp: 1955245
 Ion Ratio Lower Upper
 43 100
 72 24.1 18.2 27.2

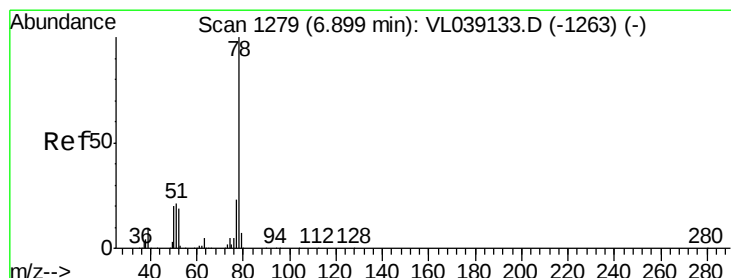
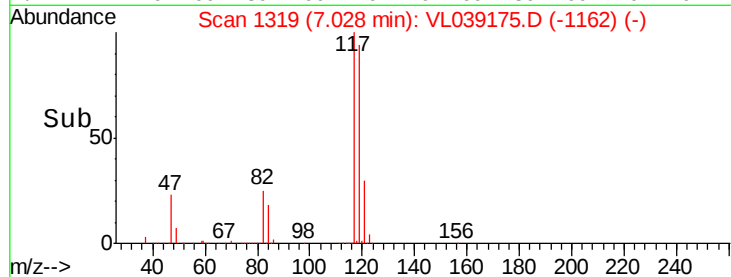
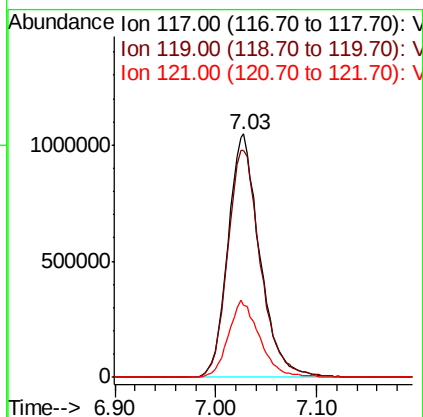
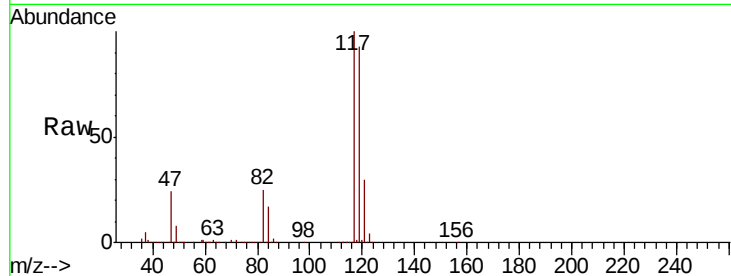




#35

Carbon Tetrachloride
 Concen: 8.308 ppbv
 RT: 7.03
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 4 Jun 2022 12:33

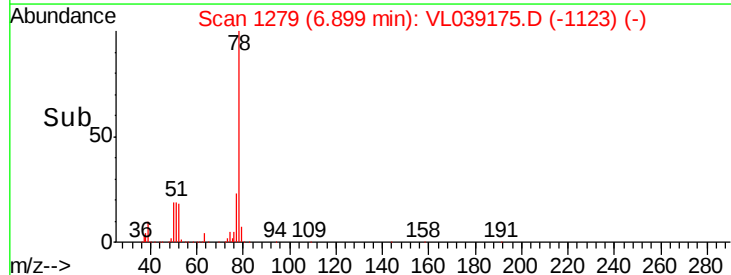
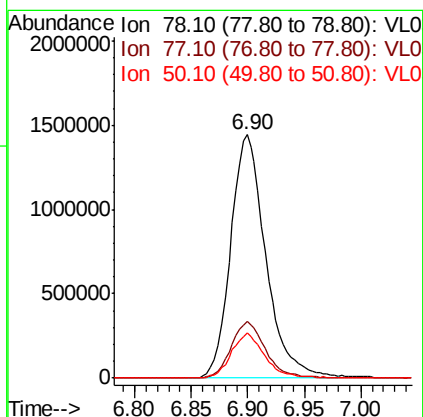
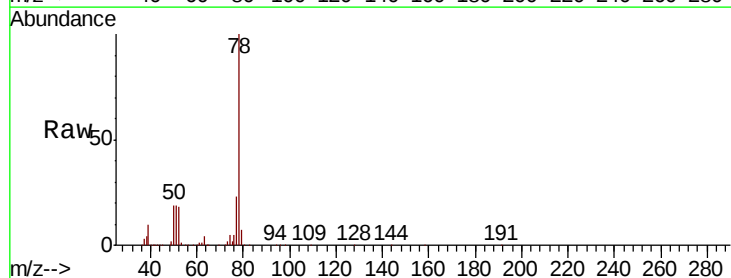
Tot Ion:117 Resp: 2301171
 Ion Ratio Lower Upper
 117 100
 119 93.2 78.6 118.0
 121 29.9 25.4 38.0

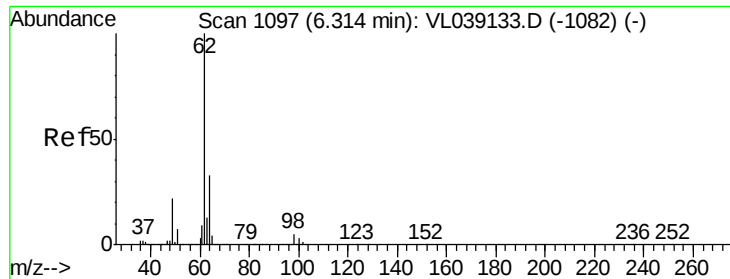


#36

Benzene
 Concen: 10.120 ppbv
 RT: 6.90 min Scan# 1279
 Delta R.T. 0.00 min
 Lab File: VL039175.D
 Acq: 4 Jun 2022 12:33

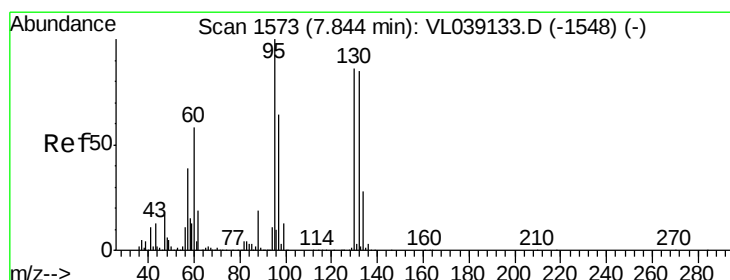
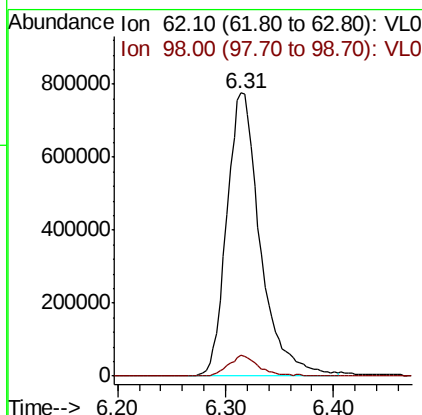
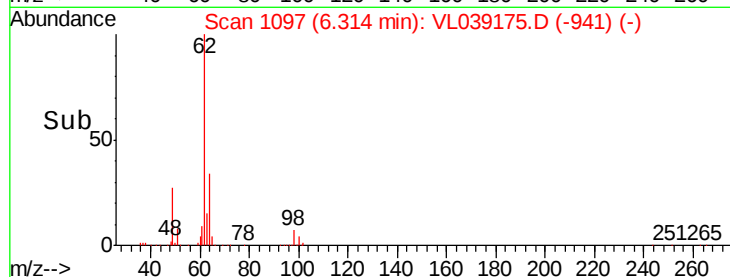
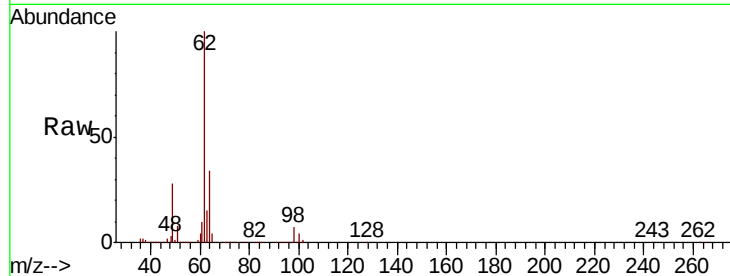
Tgt Ion: 78 Resp: 3117865
 Ion Ratio Lower Upper
 78 100
 77 23.2 18.6 27.8
 50 18.7 15.8 23.8





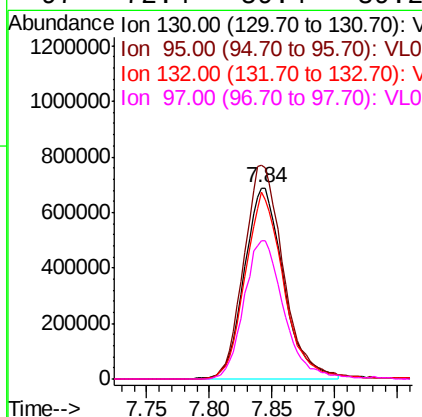
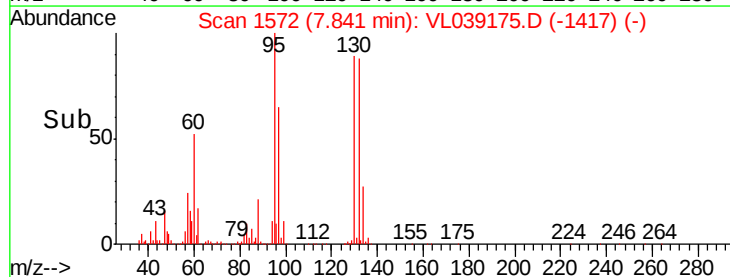
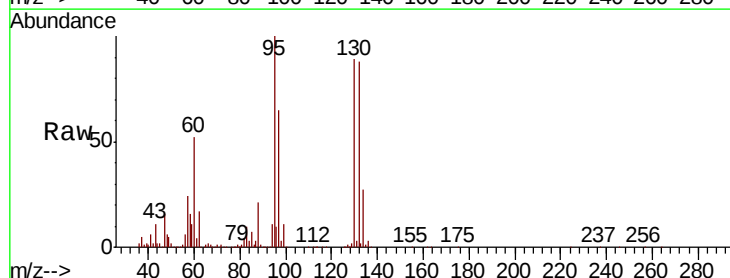
#37
 1,2-Dichloroethane
 Concen: 8.295 ppbv
 RT: 6.31
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 4 Jun 2022 12:33

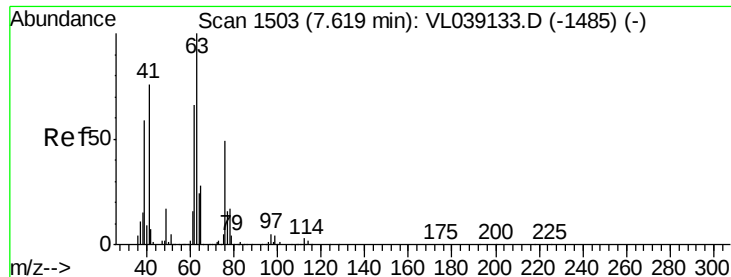
Tot Ion: 62 Resp: 1681976
 Ion Ratio Lower Upper
 62 100
 98 6.9 4.3 6.5#



#38
 Trichloroethene
 Concen: 10.526 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL039175.D
 Acq: 4 Jun 2022 12:33

Tgt Ion:130 Resp: 1489615
 Ion Ratio Lower Upper
 130 100
 95 112.0 93.3 139.9
 132 98.2 79.0 118.4
 97 72.4 59.4 89.2

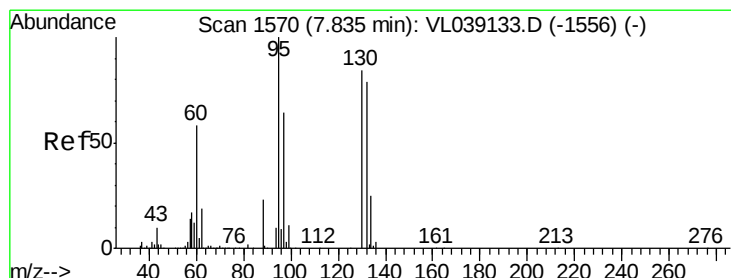
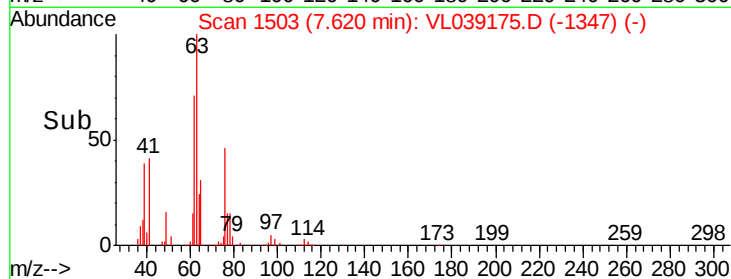
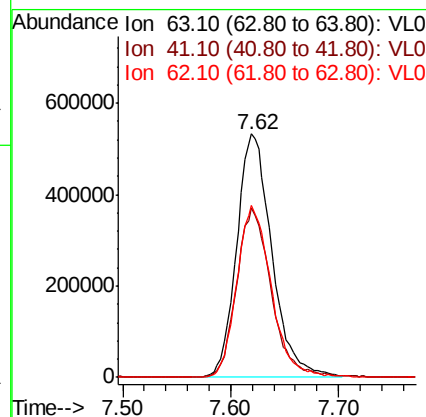
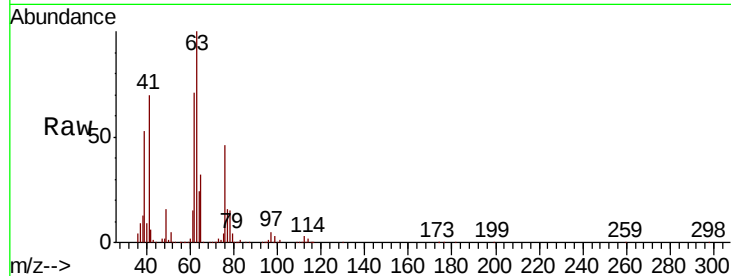




#39
 1,2-Dichloropropane
 Concen: 9.852 ppbv
 RT: 7.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 4 Jun 2022 12:33

Tot Ion: 63 Resp: 1207337

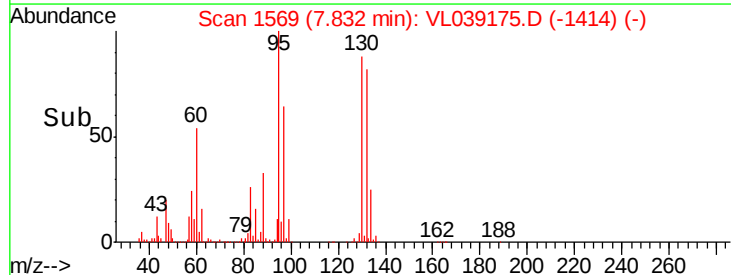
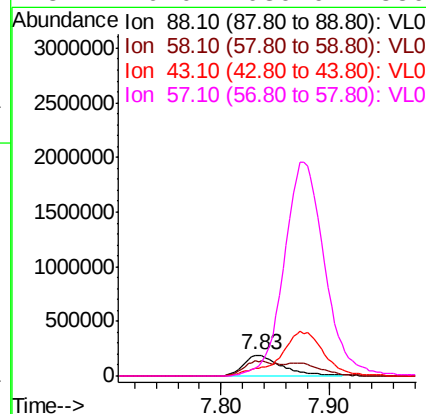
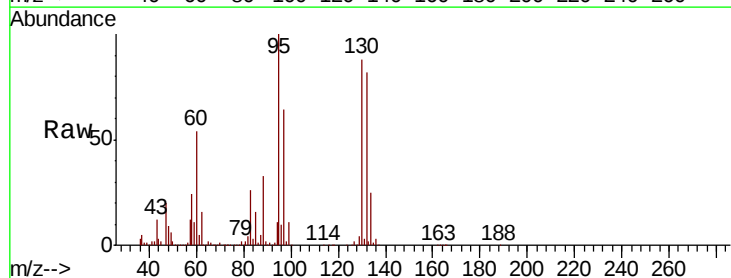
Ion	Ratio	Lower	Upper
63	100		
41	69.5	60.8	91.2
62	70.6	52.9	79.3

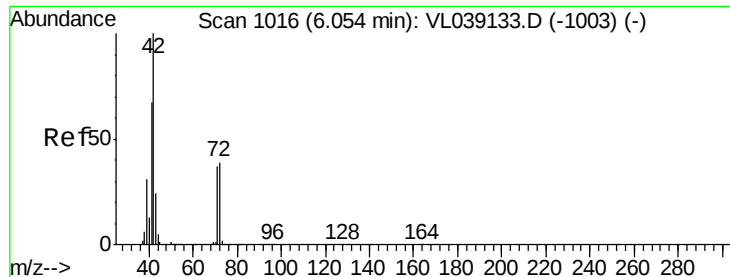


#40
 1,4-Dioxane
 Concen: 11.595 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VL039175.D
 Acq: 4 Jun 2022 12:33

Tgt Ion: 88 Resp: 467790

Ion	Ratio	Lower	Upper
88	100		
58	59.8	111.2	166.8#
43	0.0	234.2	351.4#
57	0.0	1039.9	1559.9#





#41

Tetrahydrofuran

Concen: 10.304 ppbv

RT: 6.05 Instrument: MSVOA_1

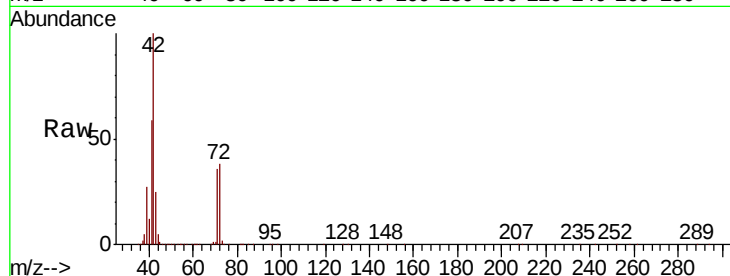
Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDCCC010EC

Acq: 4 Jun 2022 12:33

Tot Ion: 42 Resp: 1277791

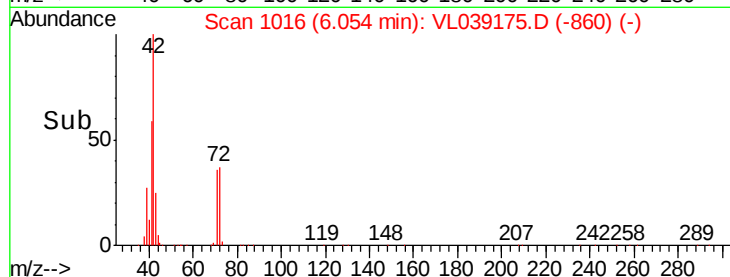
Ion	Ratio	Lower	Upper
42	100		
72	39.8	32.0	48.0
71	38.8	31.1	46.7



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 8.723 ppbv

RT: 7.80 min Scan# 1559

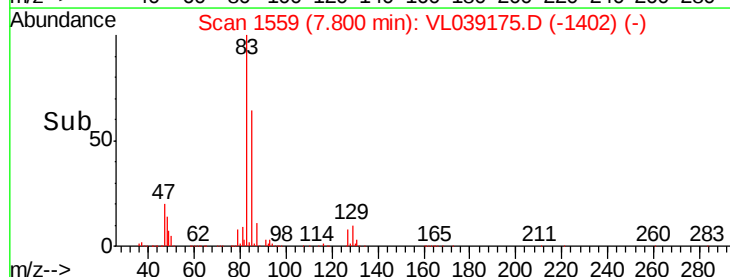
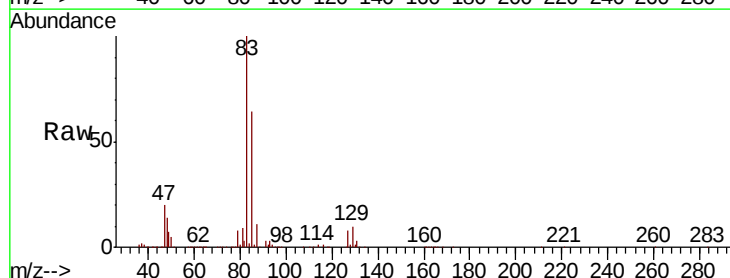
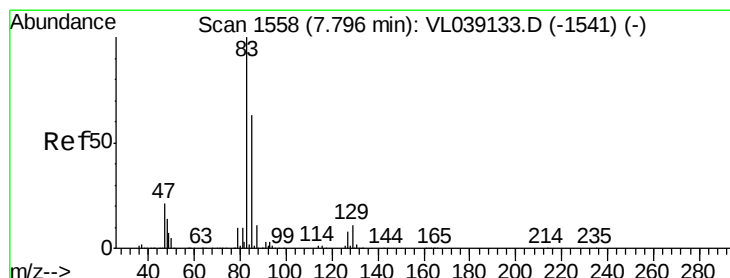
Delta R.T. 0.00 min

Lab File: VL039175.D

Acq: 4 Jun 2022 12:33

Tgt Ion: 83 Resp: 2454636

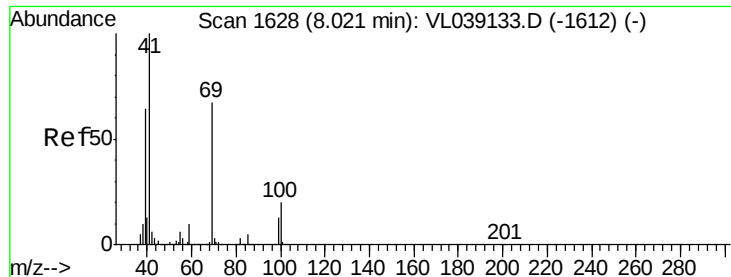
Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.2	75.4
127	8.1	6.6	9.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

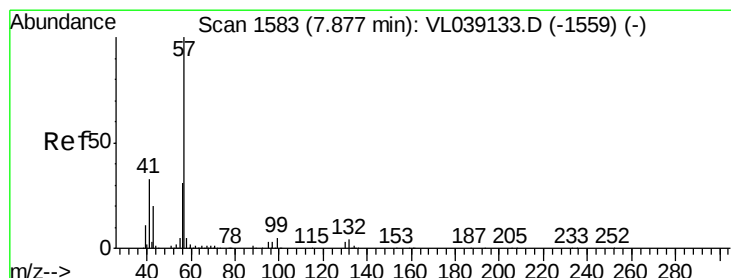
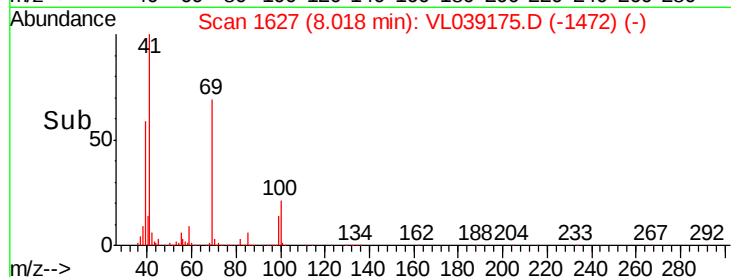
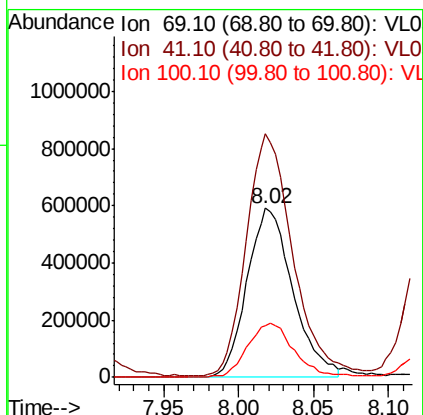
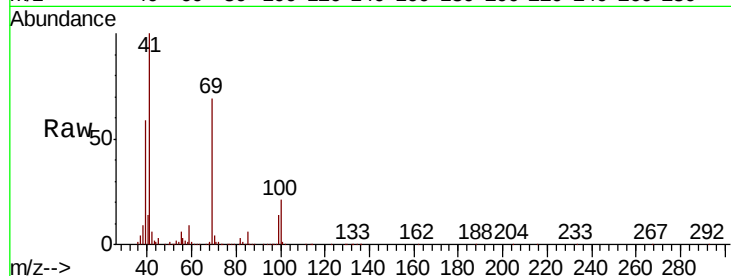
Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V



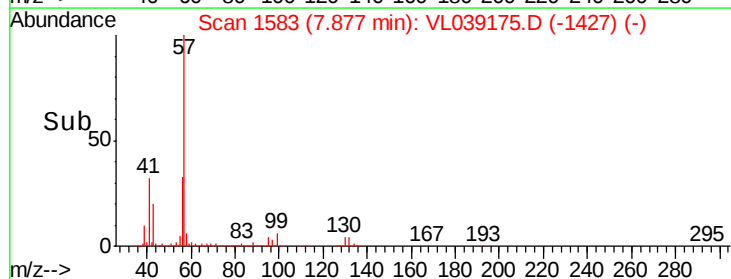
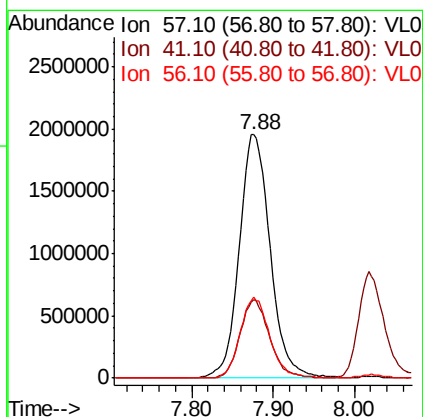
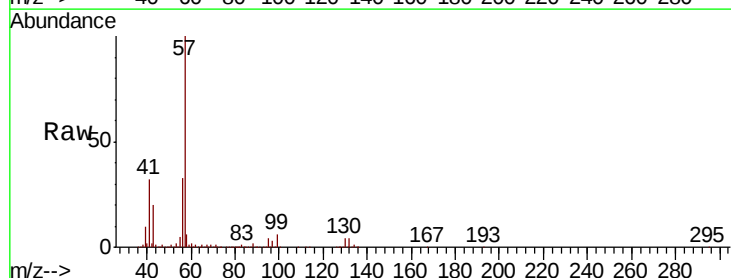
#43
Methyl Methacrylate
Concen: 10.465 ppbv
RT: 8.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 4 Jun 2022 12:33
VSTDCCC010EC

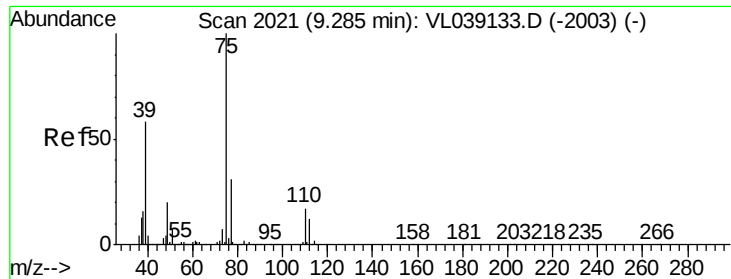
Tot Ion: 69 Resp: 1255990
Ion Ratio Lower Upper
69 100
41 148.5 121.9 182.9
100 32.7 24.1 36.1



#44
2,2,4-Trimethylpentane
Concen: 9.499 ppbv
RT: 7.88 min Scan# 1583
Delta R.T.: 0.00 min
Lab File: VL039175.D
Acq: 4 Jun 2022 12:33

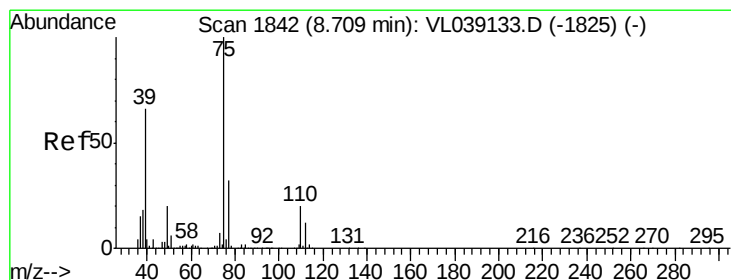
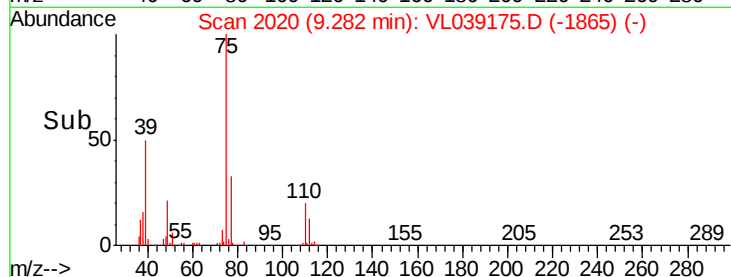
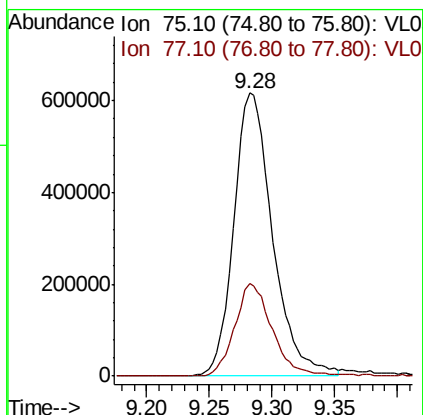
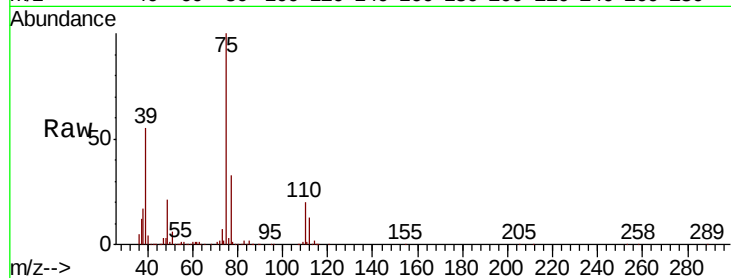
Tgt Ion: 57 Resp: 5120032
Ion Ratio Lower Upper
57 100
41 30.7 26.2 39.4
56 31.5 24.7 37.1





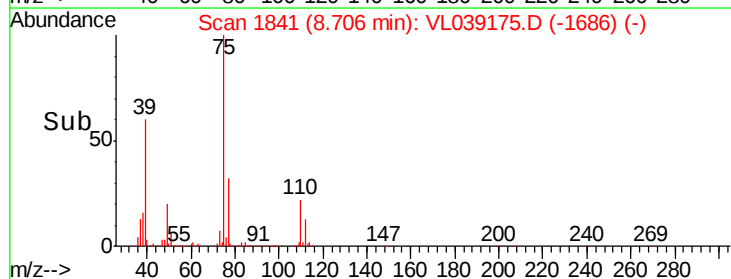
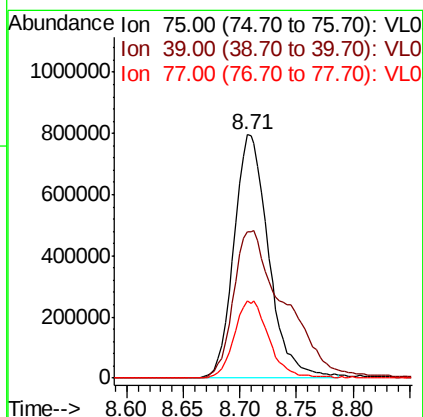
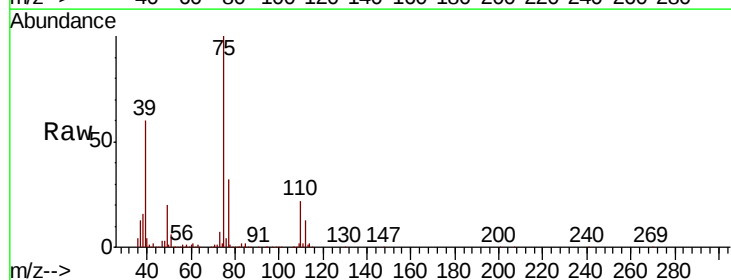
#45
t-1,3-Dichloropropene
Concen: 10.594 ppbv
RT: 9.28
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010EC
Acq: 4 Jun 2022 12:33

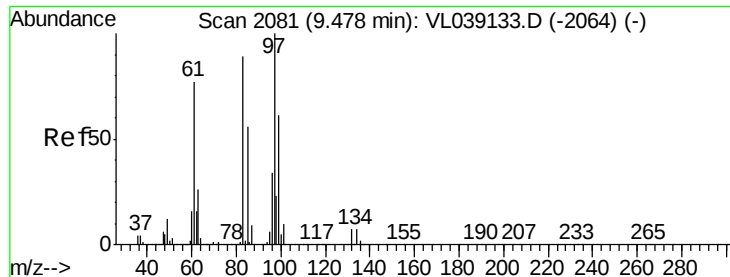
Tot Ion: 75 Resp: 1324117
Ion Ratio Lower Upper
75 100
77 32.7 24.4 36.6



#46
cis-1,3-Dichloropropene
Concen: 10.284 ppbv
RT: 8.71 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VL039175.D
Acq: 4 Jun 2022 12:33

Tgt Ion: 75 Resp: 1697997
Ion Ratio Lower Upper
75 100
39 60.3 52.4 78.6
77 31.7 25.5 38.3

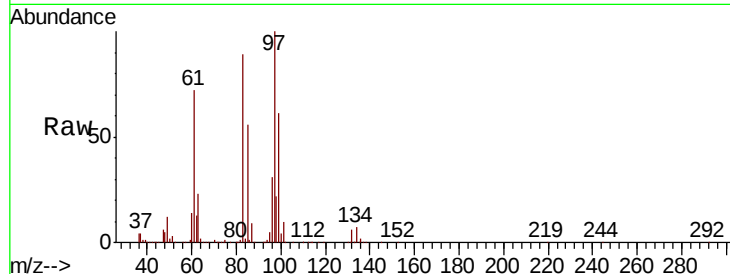




#47
 1,1,2-Trichloroethane
 Concen: 9.929 ppbv
 RT: 9.48
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 4 Jun 2022 12:33

Tot Ion: 97 Resp: 1269477

Ion	Ratio	Lower	Upper
97	100		
83	88.8	71.6	107.4
85	56.1	44.8	67.2
99	61.3	49.0	73.4



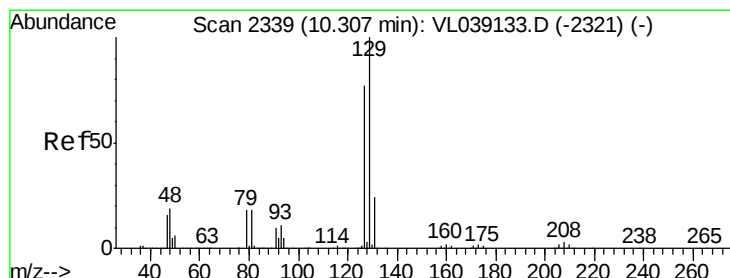
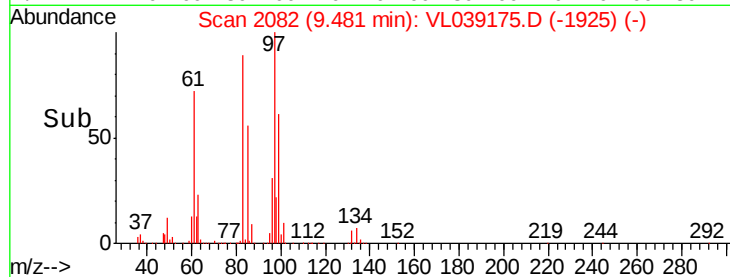
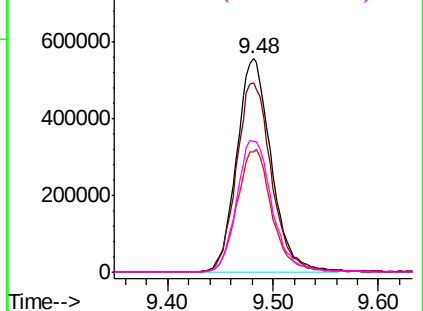
Abundance

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

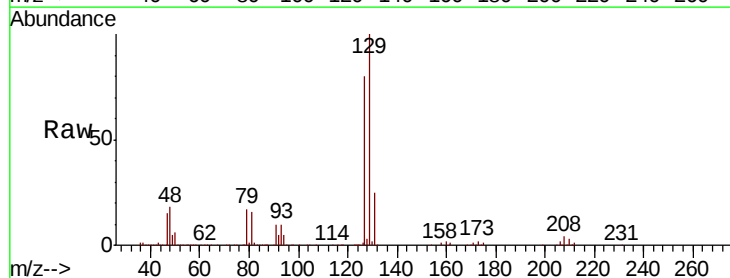
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 9.167 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T.: 0.00 min
 Lab File: VL039175.D
 Acq: 4 Jun 2022 12:33

Tgt Ion: 129 Resp: 2092676

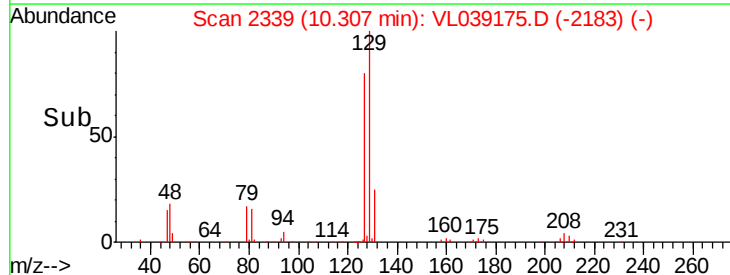
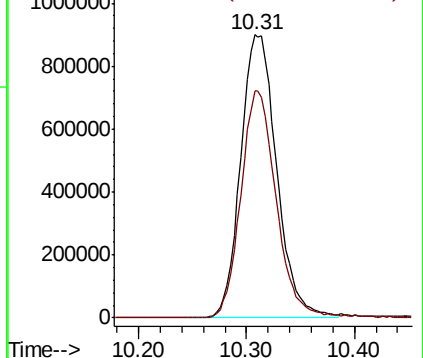
Ion	Ratio	Lower	Upper
129	100		
127	79.1	40.0	119.9

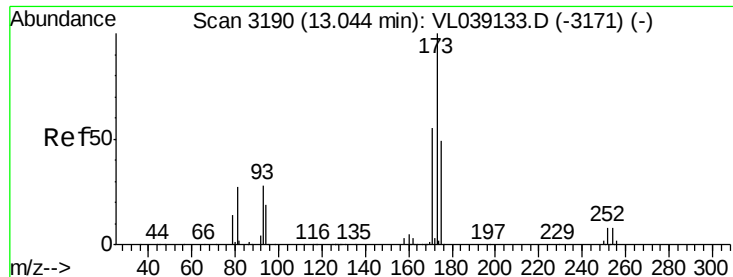


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 8.817 ppbv

RT: 13.05

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 4 Jun 2022 12:33 VSTDCCC010EC

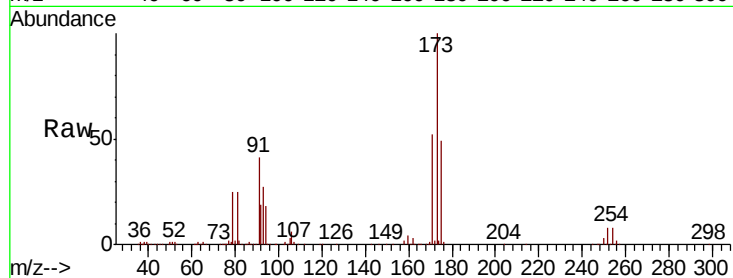
Tot Ion:173 Resp: 1677393

Ion Ratio Lower Upper

173 100

175 51.5 40.2 60.2

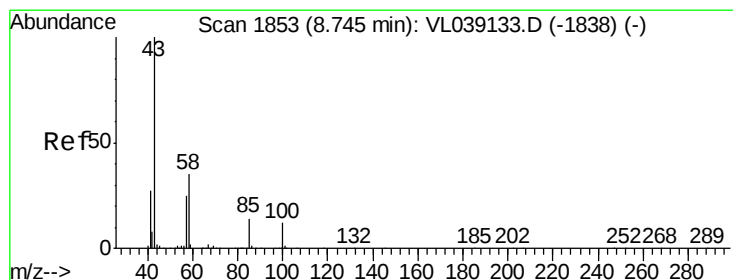
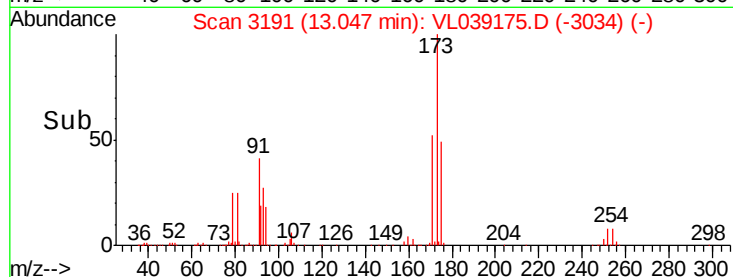
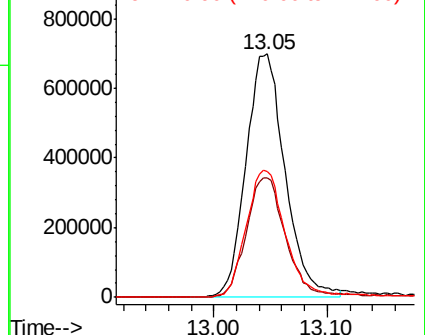
171 53.8 43.9 65.9



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: 10.132 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VL039175.D

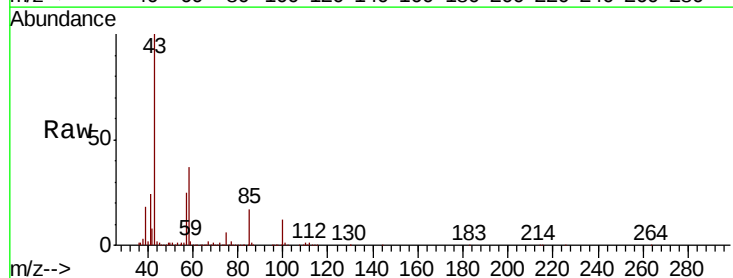
Acq: 4 Jun 2022 12:33

Tgt Ion: 43 Resp: 3126900

Ion Ratio Lower Upper

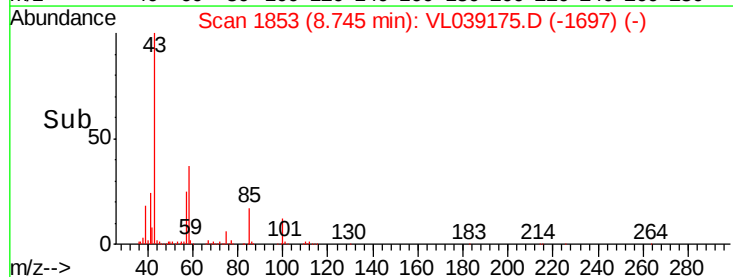
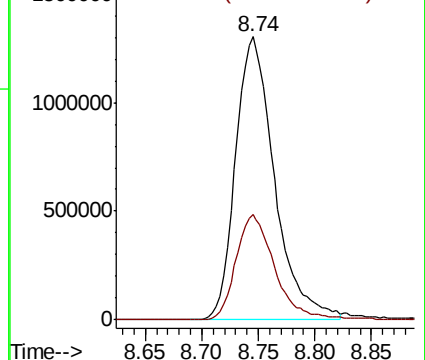
43 100

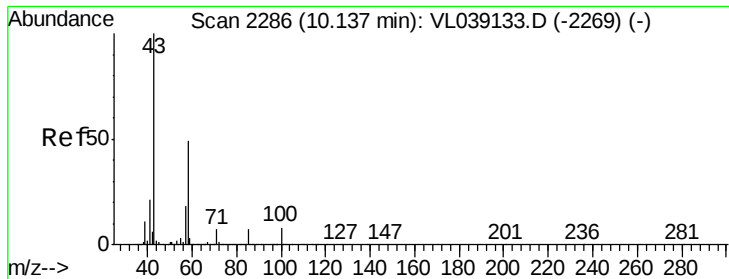
58 37.3 28.7 43.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

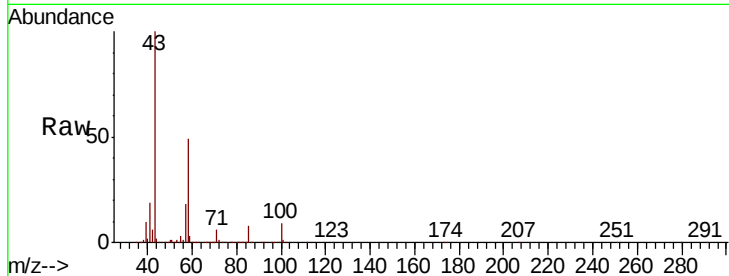
Ion 58.10 (57.80 to 58.80): VL0



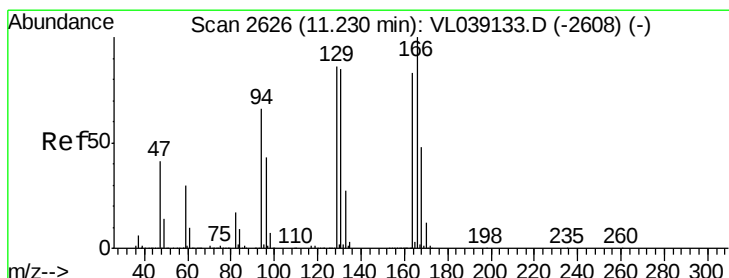
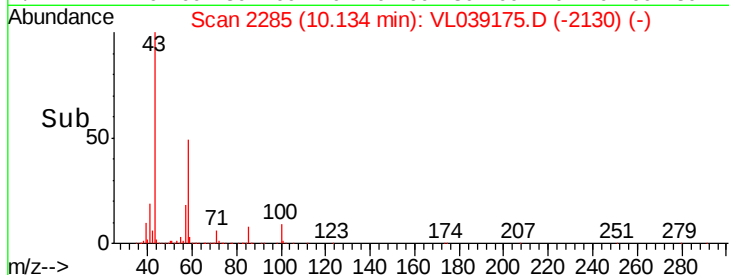
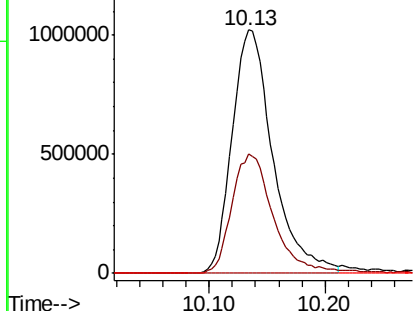


#51
2-Hexanone
Concen: 10.347 ppbv
RT: 10.13 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 4 Jun 2022 12:33

Tot Ion: 43 Resp: 2484846
Ion Ratio Lower Upper
43 100
58 51.1 40.0 60.0
98 0.1 0.1 0.1#

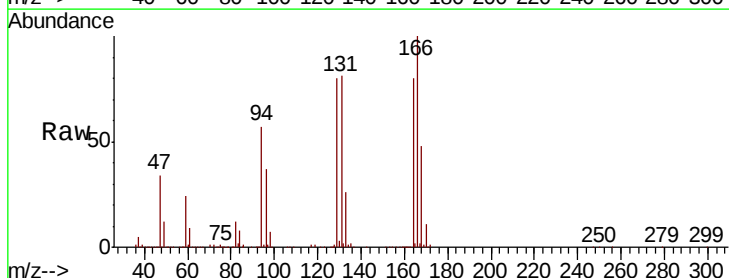


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

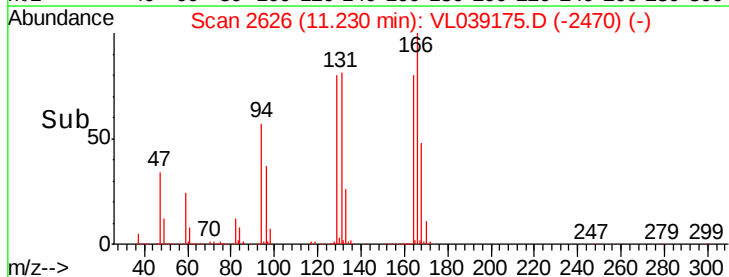
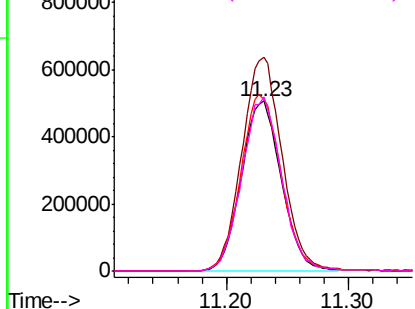


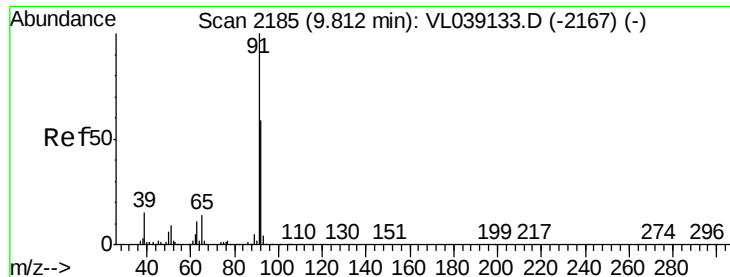
#52
Tetrachloroethene
Concen: 9.504 ppbv
RT: 11.23 min Scan# 2626
Delta R.T.: 0.00 min
Lab File: VL039175.D
Acq: 4 Jun 2022 12:33

Tgt Ion: 164 Resp: 1143360
Ion Ratio Lower Upper
164 100
166 125.7 96.3 144.5
129 101.0 82.5 123.7
131 102.1 82.1 123.1



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.253 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

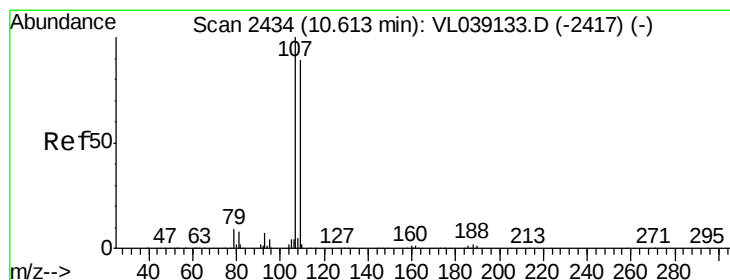
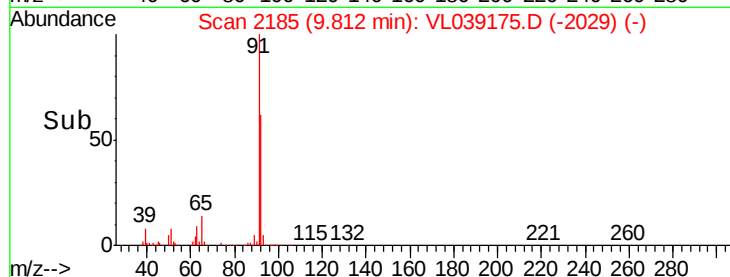
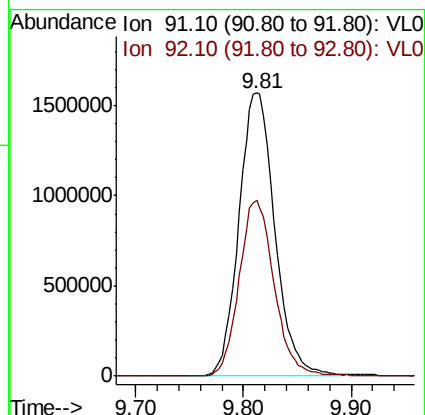
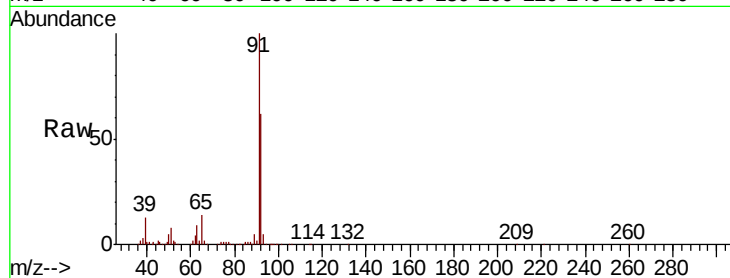
Acq: 4 Jun 2022 12:33 VSTDCCC010EC

Tot Ion: 91 Resp: 3637541

Ion Ratio Lower Upper

91 100

92 61.1 48.1 72.1



#54

1,2-Dibromoethane

Concen: 10.268 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VL039175.D

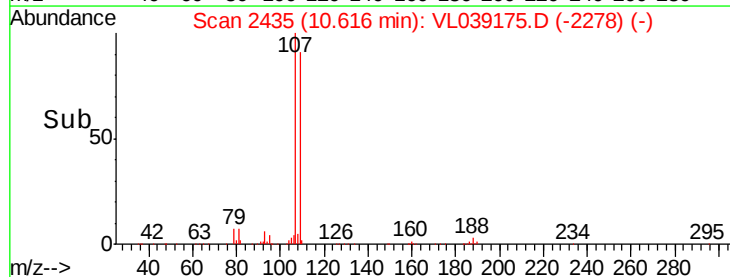
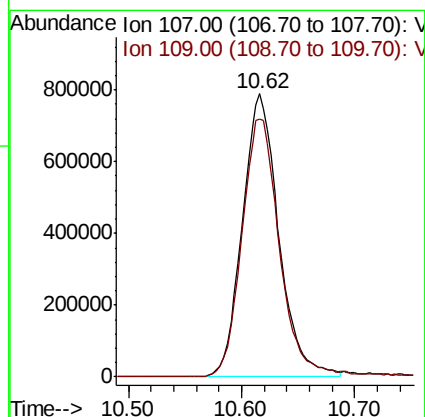
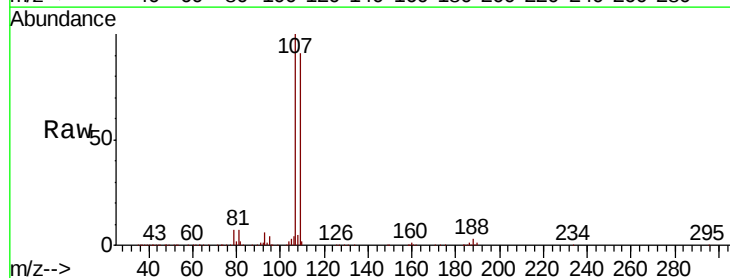
Acq: 4 Jun 2022 12:33

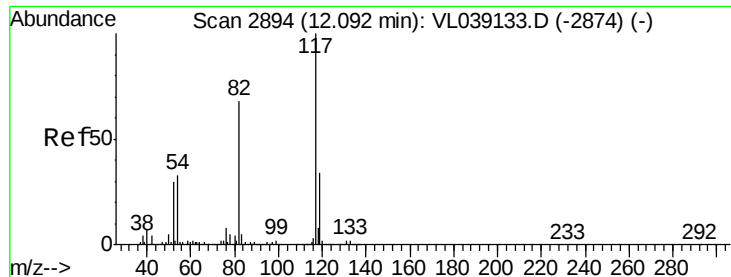
Tgt Ion: 107 Resp: 1764134

Ion Ratio Lower Upper

107 100

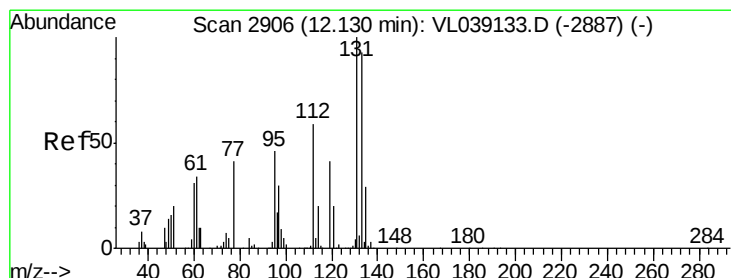
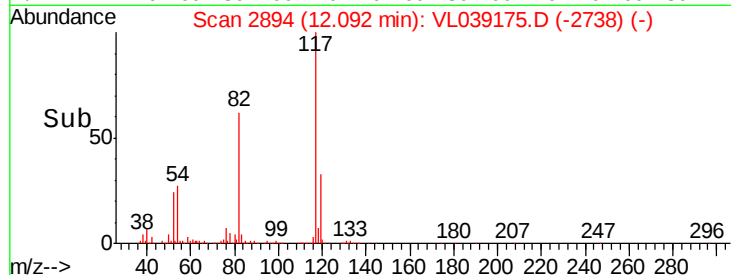
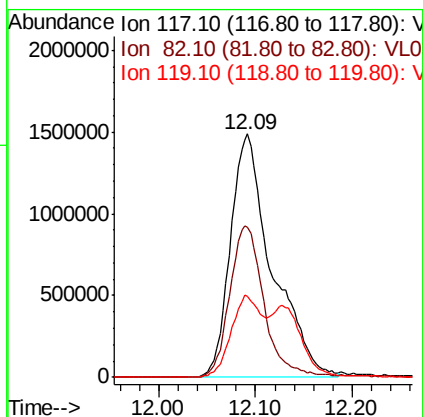
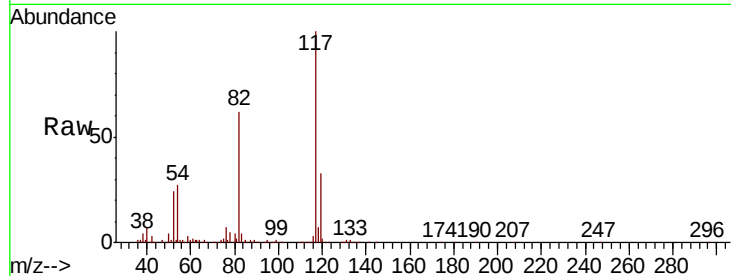
109 90.9 71.4 107.0





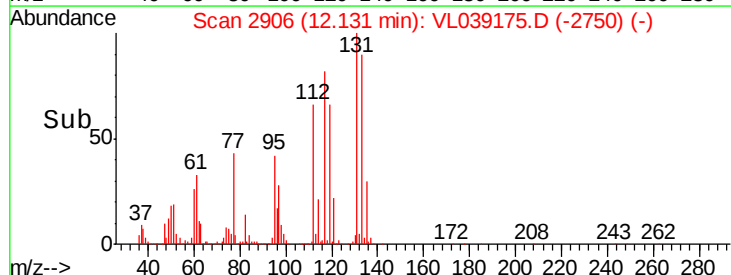
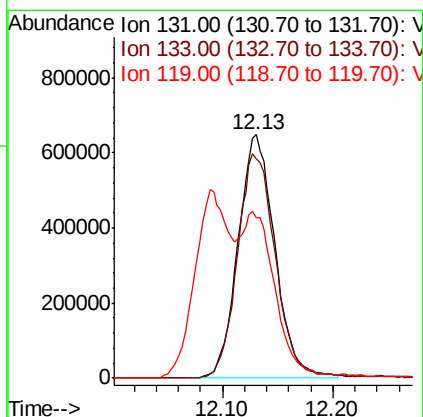
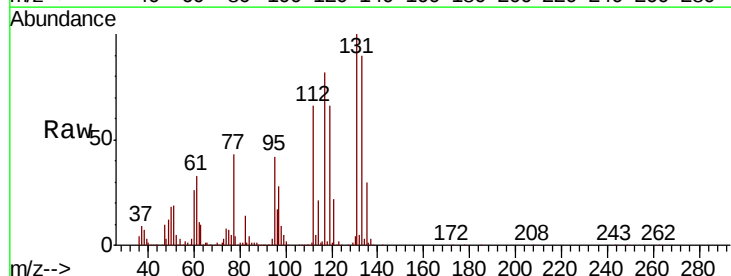
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
ClientSampleId:
Lab File: VSTDCCC010EC
Acq: 4 Jun 2022 12:33

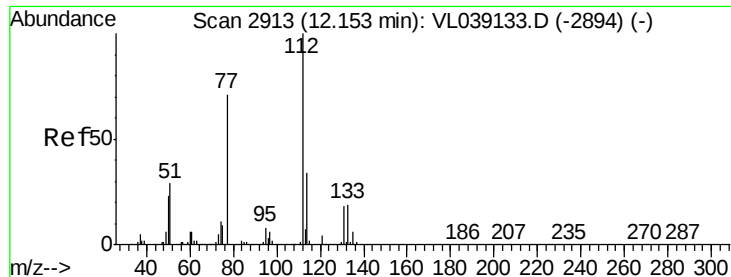
Tot Ion:117 Resp: 4445899
Ion Ratio Lower Upper
117 100
82 51.8 55.1 82.7#
119 26.6 24.7 37.1



#56
1,1,1,2-Tetrachloroethane
Concen: 7.121 ppbv
RT: 12.13 min Scan# 2906
Delta R.T.: 0.00 min
Lab File: VL039175.D
Acq: 4 Jun 2022 12:33

Tgt Ion:131 Resp: 1497956
Ion Ratio Lower Upper
131 100
133 96.5 78.6 117.8
119 65.2 51.7 77.5





#57

Chlorobenzene

Concen: 7.899 ppbv

RT: 12.15

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 4 Jun 2022 12:33 VSTDCCC010EC

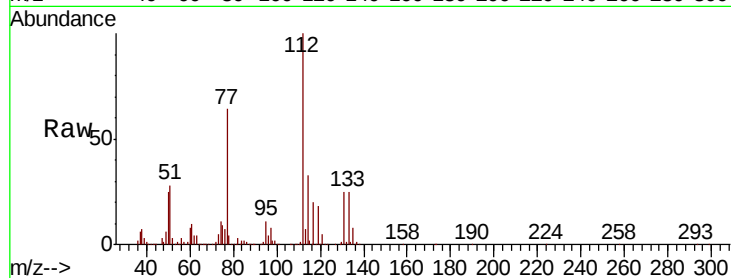
Tot Ion: 112 Resp: 2642360

Ion Ratio Lower Upper

112 100

77 63.5 56.5 84.7

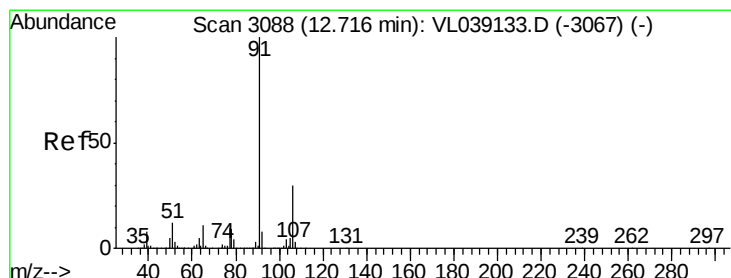
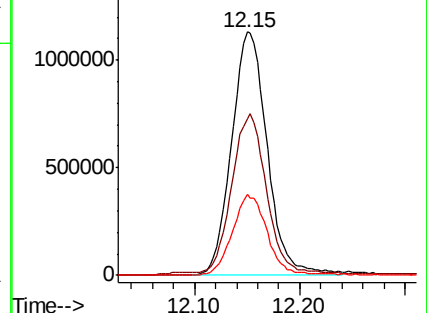
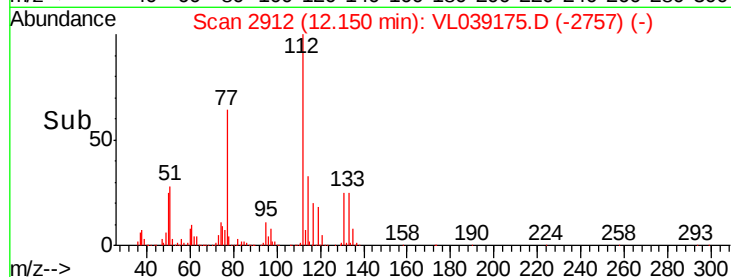
114 33.2 30.3 37.1



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.867 ppbv

RT: 12.72 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VL039175.D

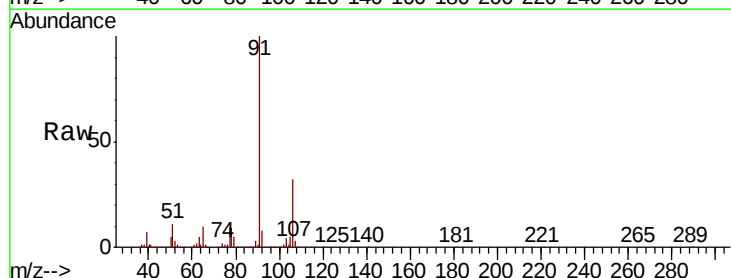
Acq: 4 Jun 2022 12:33

Tgt Ion: 91 Resp: 4817732

Ion Ratio Lower Upper

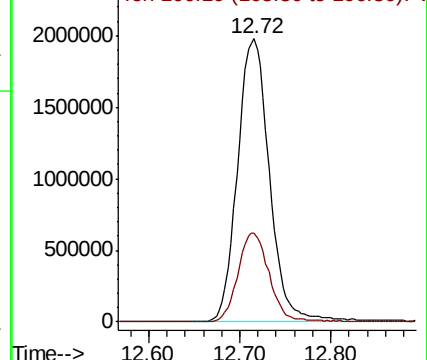
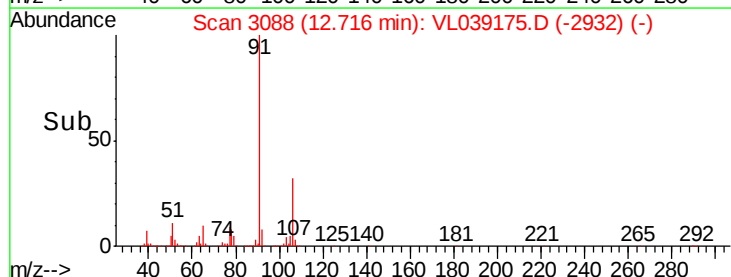
91 100

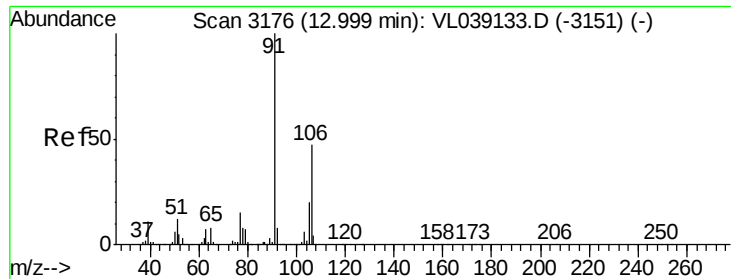
106 31.5 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

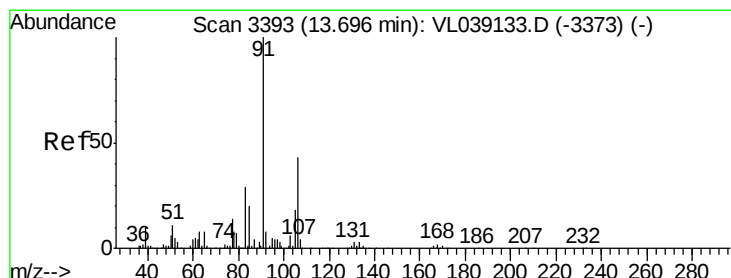
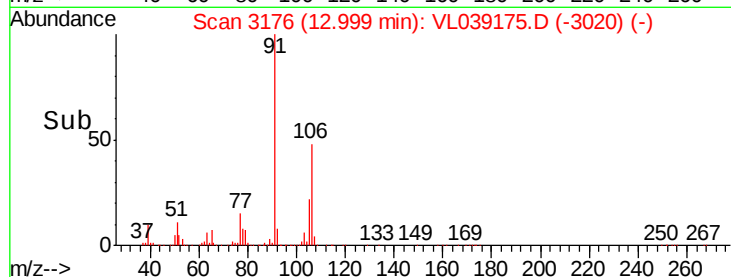
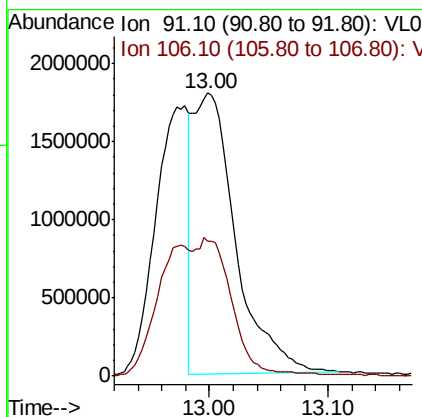
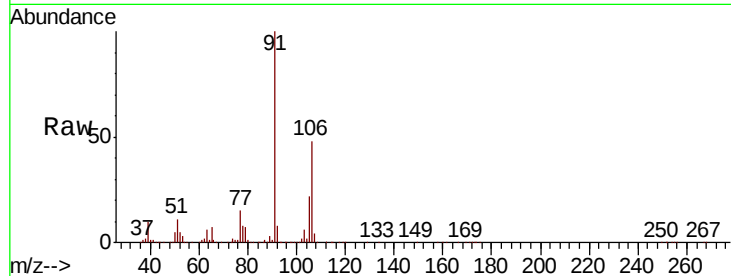
Ion 106.10 (105.80 to 106.80): V





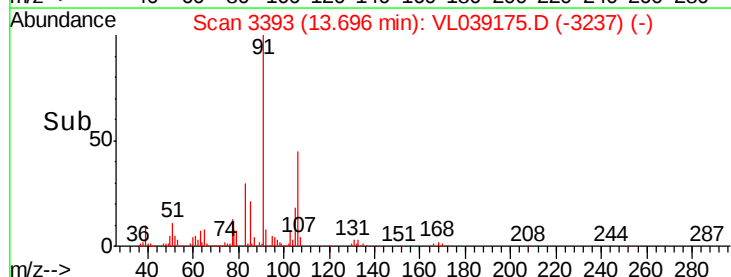
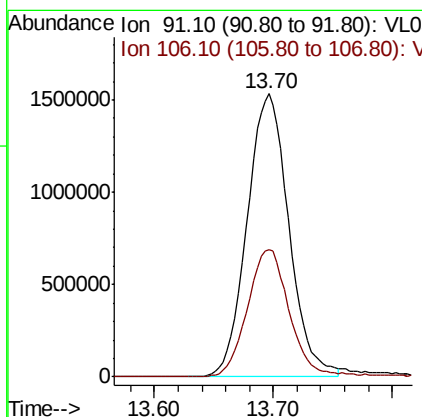
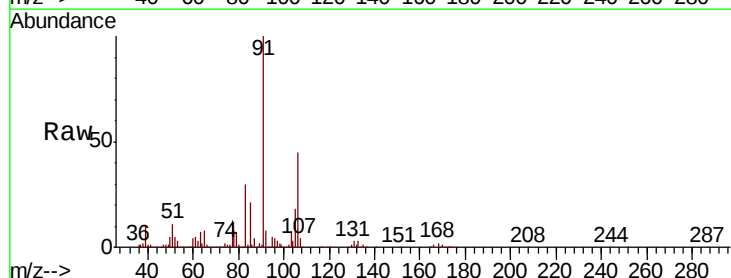
#59
m/p-Xylene
Concen: 8.214 ppbv
RT: 13.00
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 4 Jun 2022 12:33

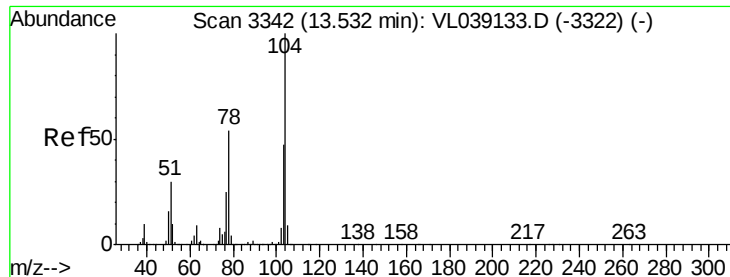
Tot Ion: 91 Resp: 4429444
Ion Ratio Lower Upper
91 100
106 81.7 34.3 51.5#



#60
o-Xylene
Concen: 7.339 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. 0.00 min
Lab File: VL039175.D
Acq: 4 Jun 2022 12:33

Tgt Ion: 91 Resp: 3719000
Ion Ratio Lower Upper
91 100
106 46.2 22.3 66.9





#61

Stvrene

Concen: 8.474 ppbv

RT: 13.53

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 4 Jun 2022 12:33 VSTDCCC010EC

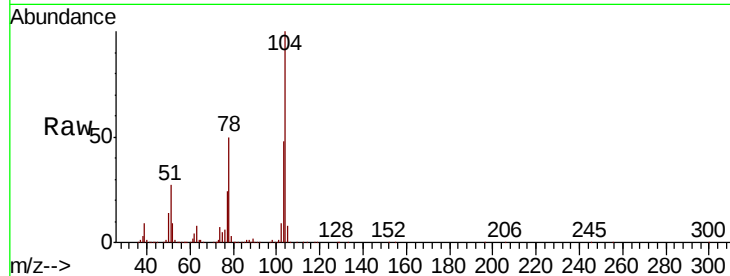
Tot Ion:104 Resp: 2299462

Ion Ratio Lower Upper

104 100

78 51.3 45.7 68.5

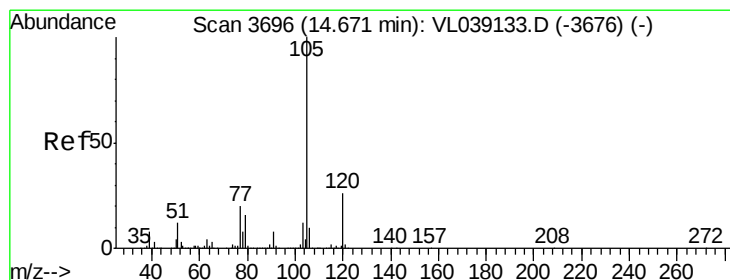
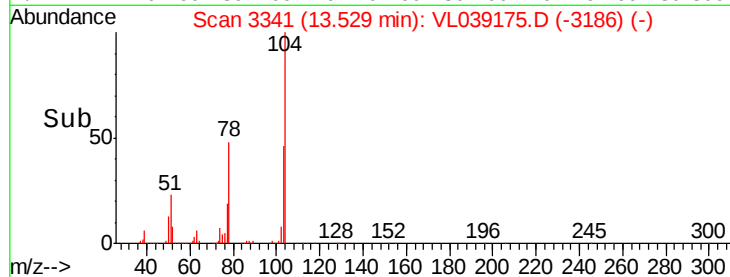
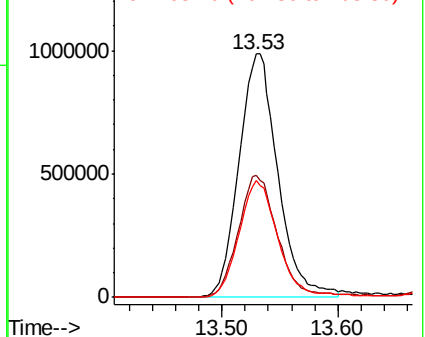
103 48.4 39.6 59.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.318 ppbv

RT: 14.67 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VL039175.D

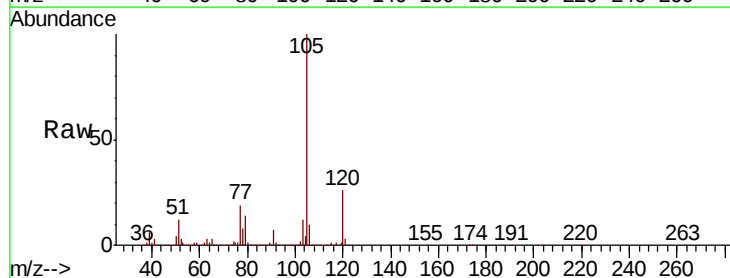
Acq: 4 Jun 2022 12:33

Tgt Ion:105 Resp: 5511834

Ion Ratio Lower Upper

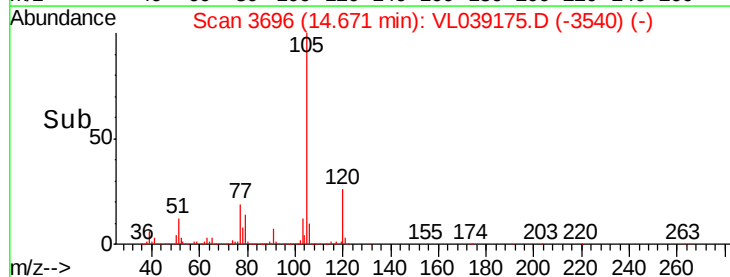
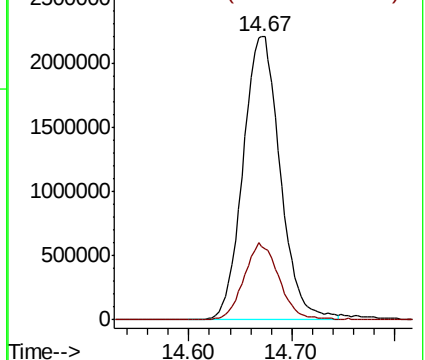
105 100

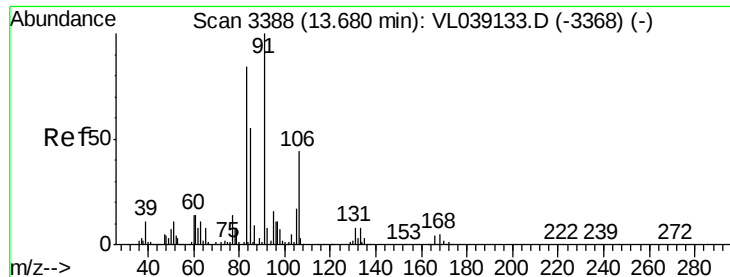
120 26.1 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

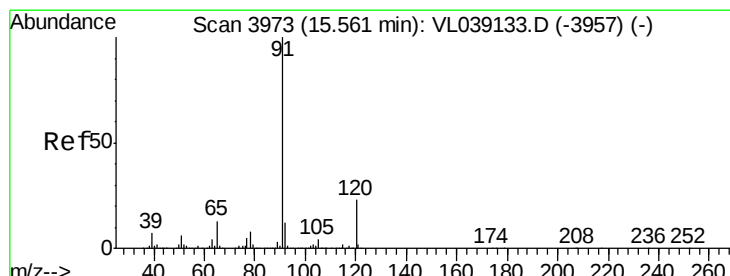
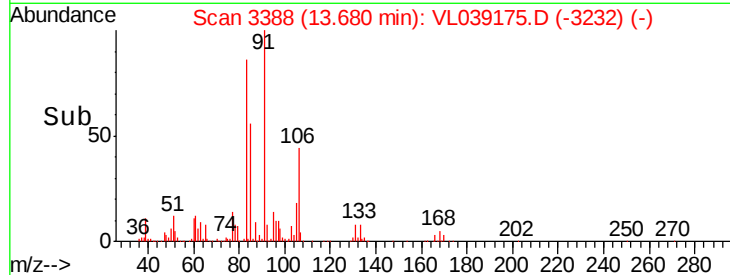
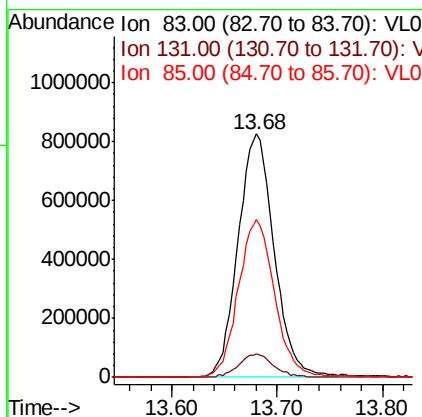
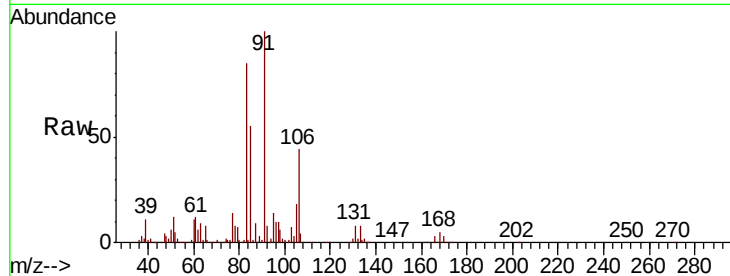




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.912 ppbv
 RT: 13.68 min
 Delta R.T. 0.00 min
 Lab File: VL039175.D
 Acq: 4 Jun 2022 12:33

Tot Ion: 83 Resp: 1966171

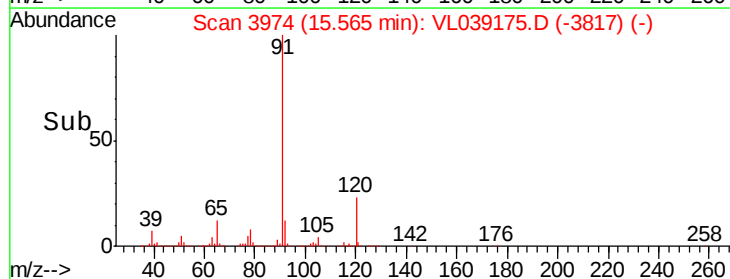
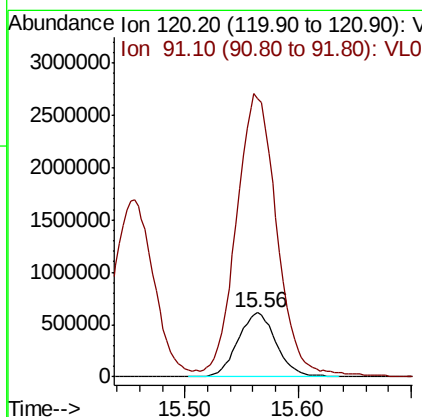
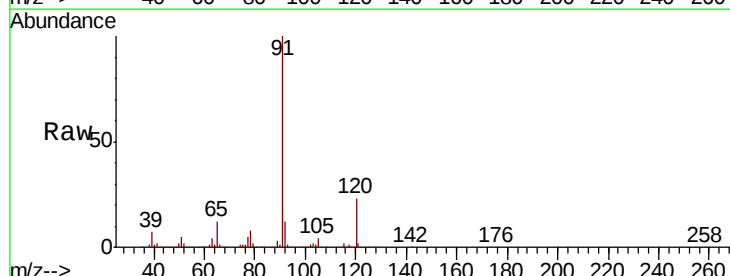
Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.8	14.3
85	65.9	33.0	99.0

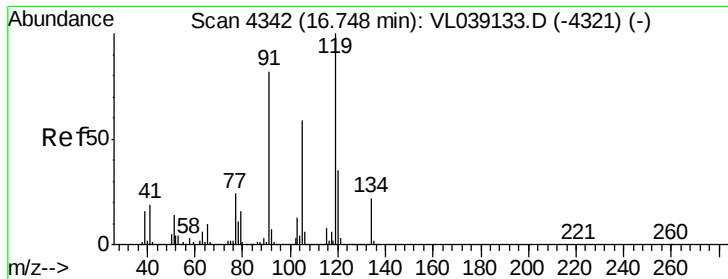


#64
 n-propylbenzene
 Concen: 7.833 ppbv
 RT: 15.56 min Scan# 3974
 Delta R.T. 0.00 min
 Lab File: VL039175.D
 Acq: 4 Jun 2022 12:33

Tgt Ion: 120 Resp: 1450307

Ion	Ratio	Lower	Upper
120	100		
91	465.4	388.4	582.6





#65

tert-Butylbenzene

Concen: 7.025 ppbv

RT: 16.74 min

Delta R.T. 0.00 min

Lab File: VSTDCCC010EC

Acq: 4 Jun 2022 12:33

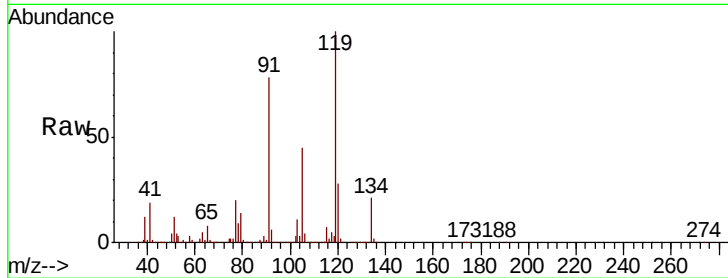
Tot Ion: 119 Resp: 4838387

Ion Ratio Lower Upper

119 100

91 79.3 67.1 100.7

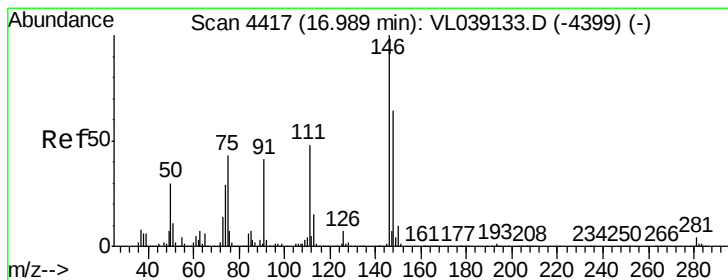
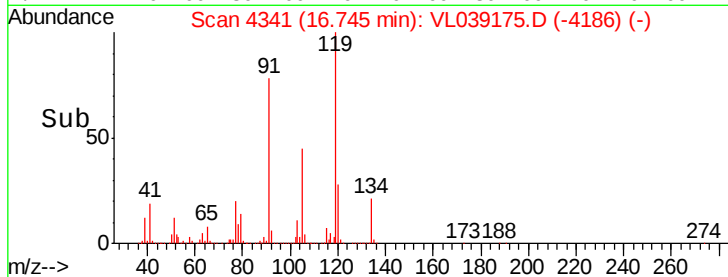
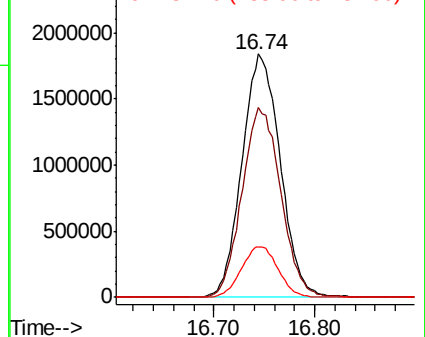
134 20.2 15.8 23.8



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 7.475 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. 0.00 min

Lab File: VL039175.D

Acq: 4 Jun 2022 12:33

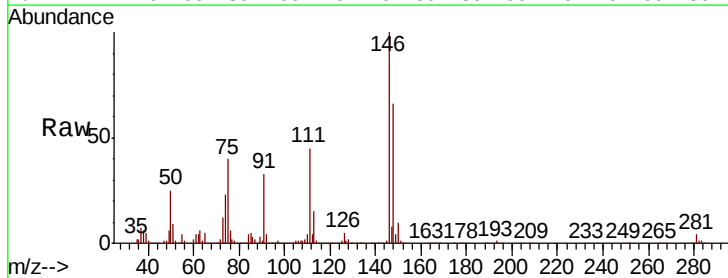
Tgt Ion: 91 Resp: 669377

Ion Ratio Lower Upper

91 100

126 16.3 13.4 20.0

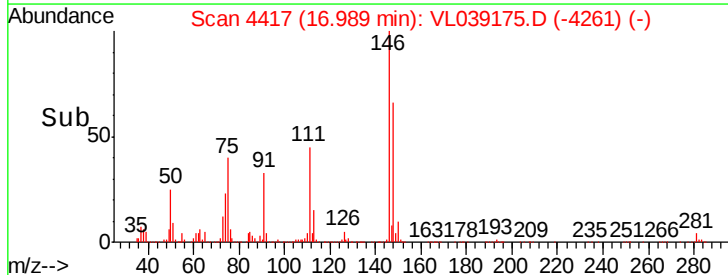
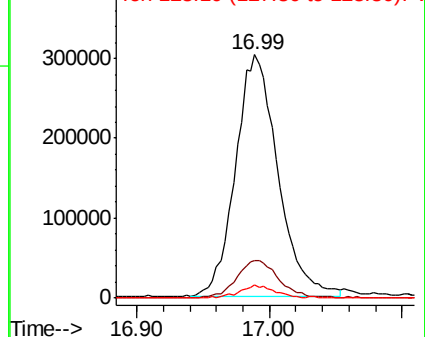
128 5.0 4.1 6.1

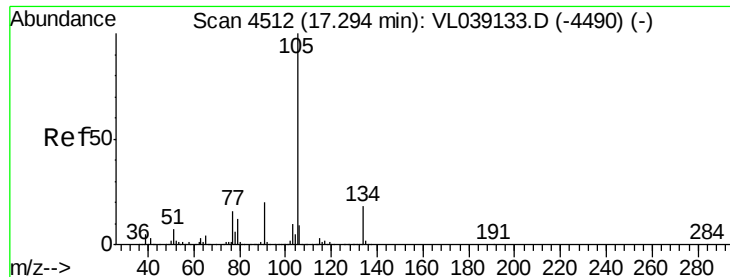


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.251 ppbv

RT: 17.29

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

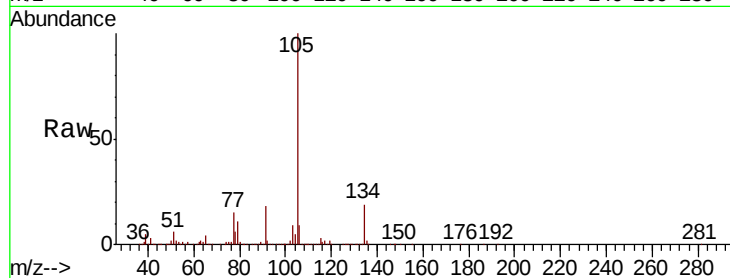
Acq: 4 Jun 2022 12:33 VSTDCCC010EC

Tot Ion: 105 Resp: 6813747

Ion Ratio Lower Upper

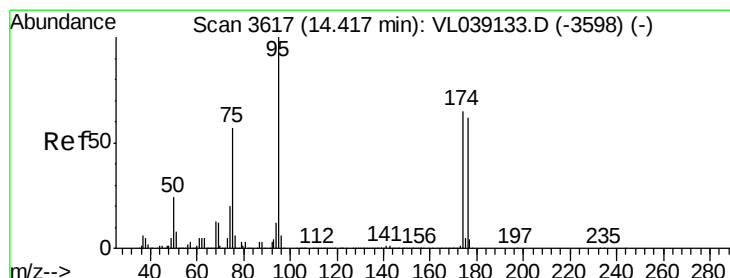
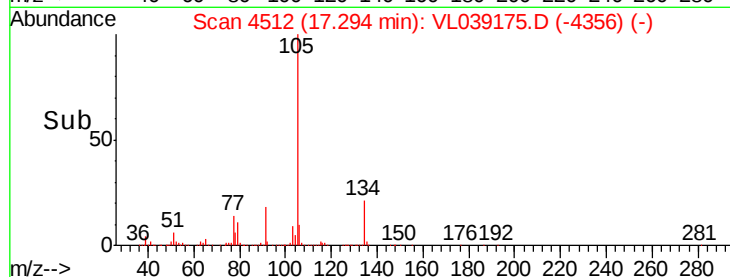
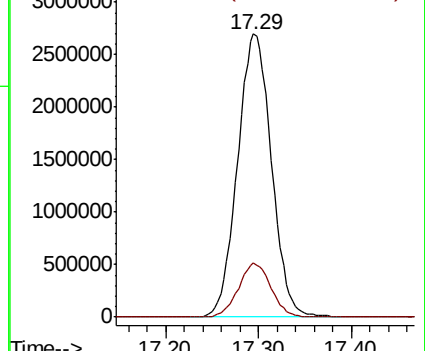
105 100

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



#68

1-Bromo-4-Fluorobenzene

Concen: 7.397 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. 0.00 min

Lab File: VL039175.D

Acq: 4 Jun 2022 12:33

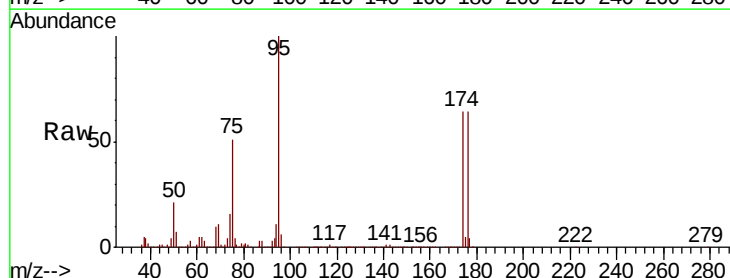
Tgt Ion: 95 Resp: 2718919

Ion Ratio Lower Upper

95 100

174 70.3 53.8 80.8

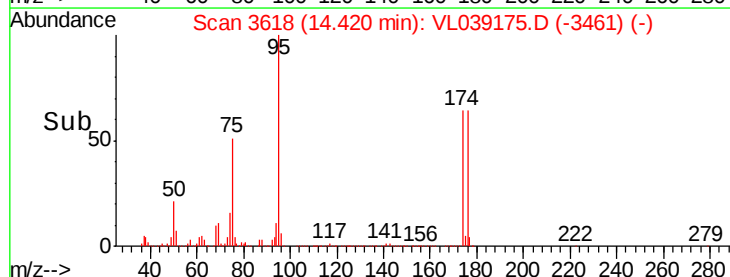
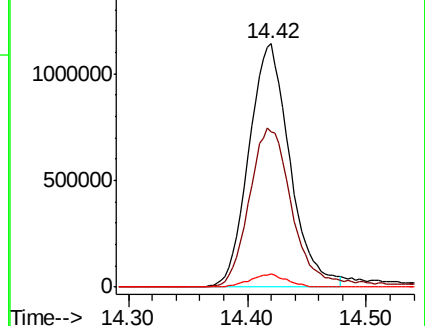
175 5.2 4.1 6.1

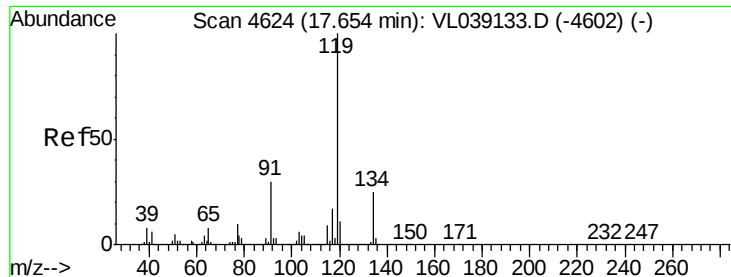


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

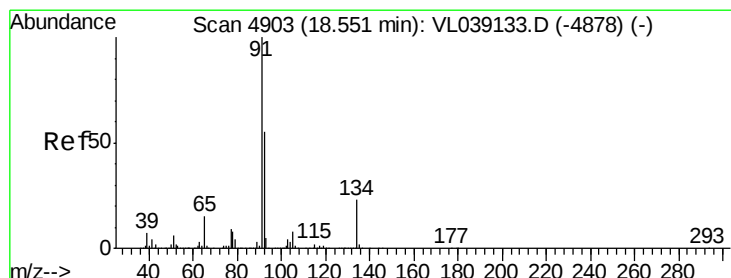
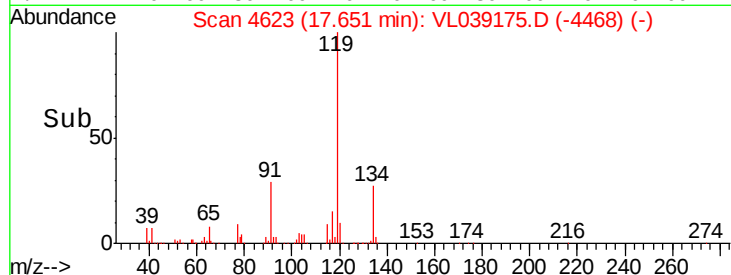
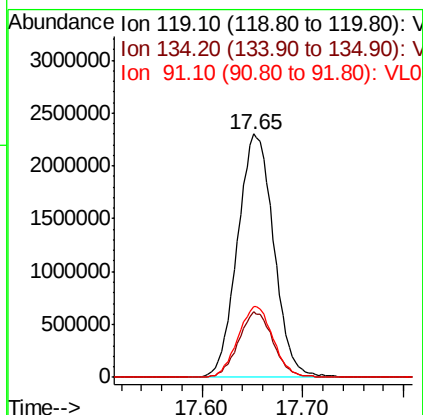
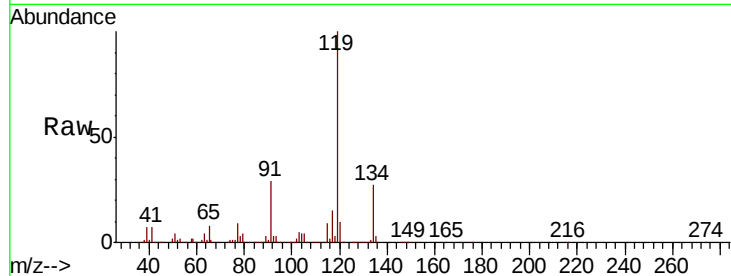




#69
 p-Isopropyltoluene
 Concen: 7.212 ppbv
 RT: 17.65 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 4 Jun 2022 12:33

Tot Ion: 119 Resp: 5717598

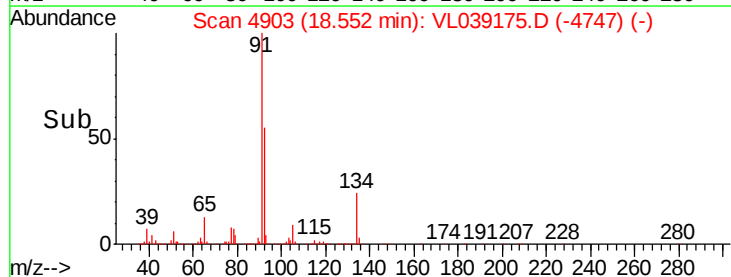
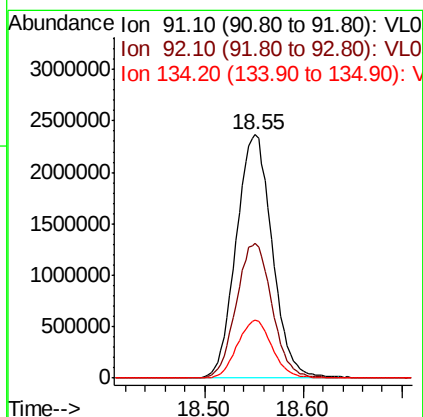
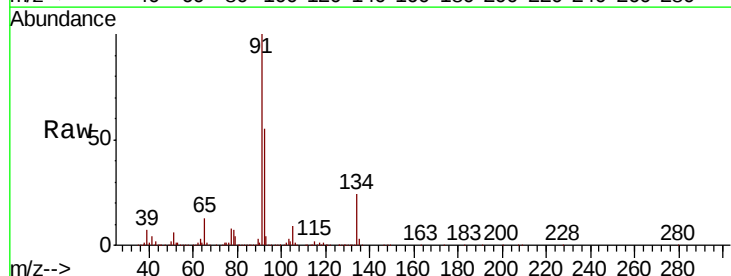
Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.4	30.6
91	28.3	24.2	36.4

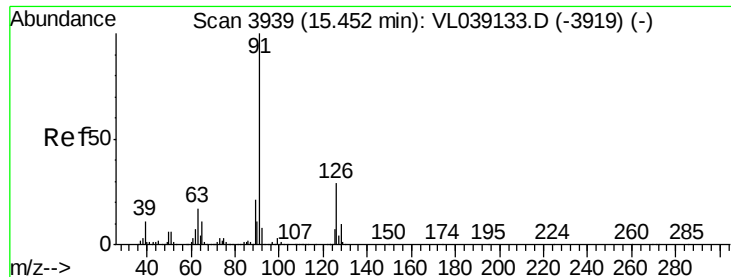


#70
 n-Butylbenzene
 Concen: 7.330 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. 0.00 min
 Lab File: VL039175.D
 Acq: 4 Jun 2022 12:33

Tgt Ion: 91 Resp: 5965307

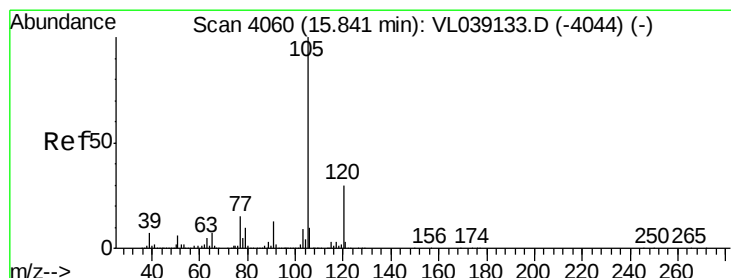
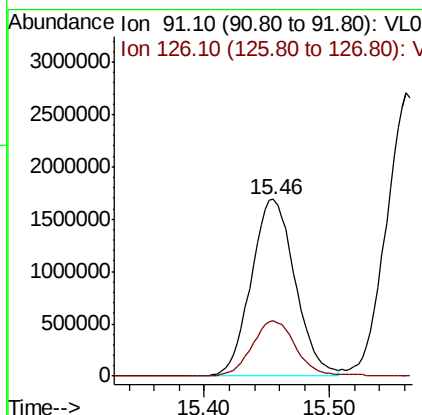
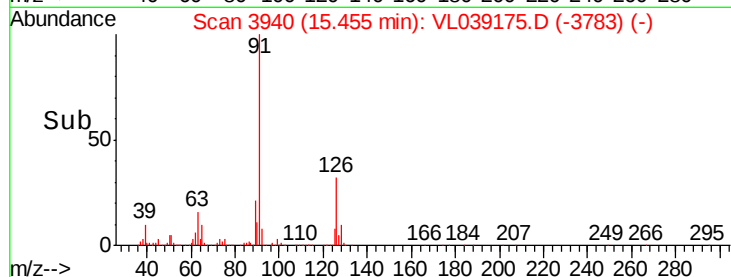
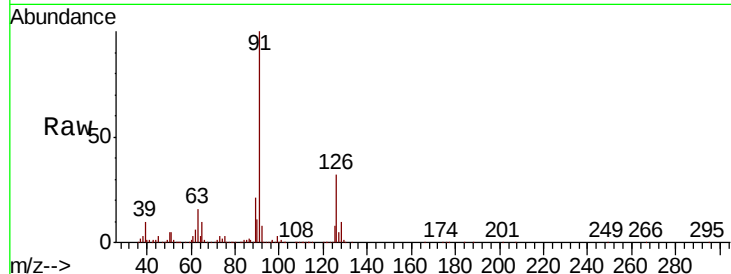
Ion	Ratio	Lower	Upper
91	100		
92	55.2	43.6	65.4
134	23.2	17.7	26.5





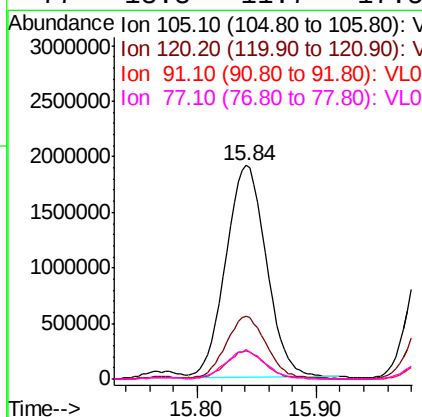
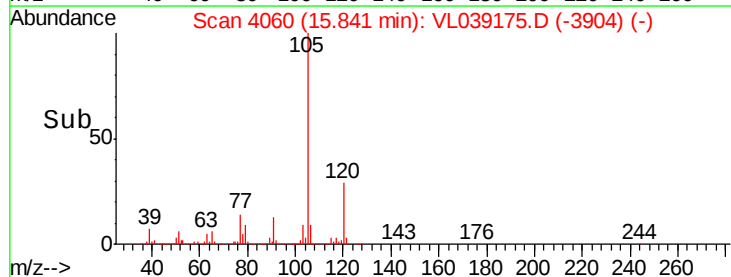
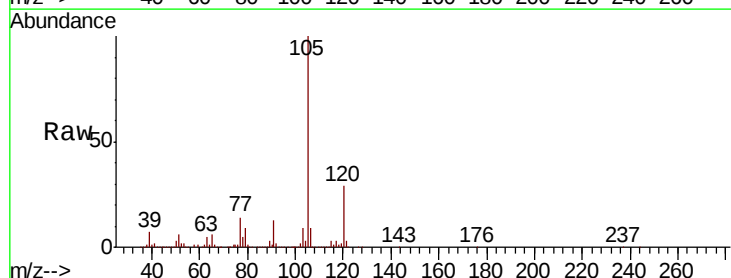
#71
 2-Chlorotoluene
 Concen: 7.153 ppbv
 RT: 15.46
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 4 Jun 2022 12:33

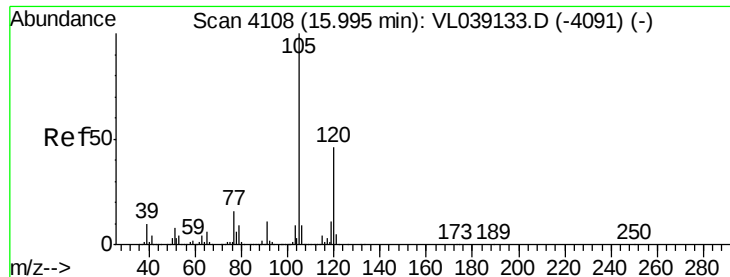
Tot Ion: 91 Resp: 4108393
 Ion Ratio Lower Upper
 91 100
 126 32.1 12.2 48.6



#72
 4-Ethyltoluene
 Concen: 7.625 ppbv
 RT: 15.84 min Scan# 4060
 Delta R.T. 0.00 min
 Lab File: VL039175.D
 Acq: 4 Jun 2022 12:33

Tgt Ion:105 Resp: 4528485
 Ion Ratio Lower Upper
 105 100
 120 29.6 23.9 35.9
 91 12.7 10.6 16.0
 77 13.3 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 7.496 ppbv

RT: 16.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

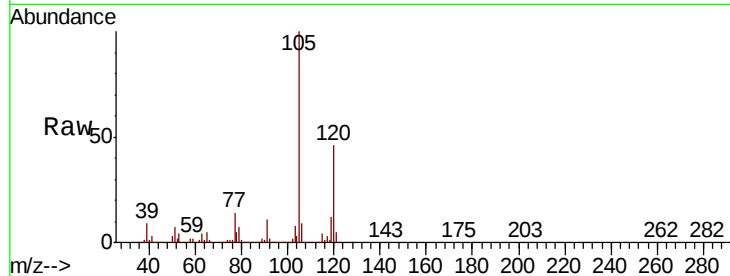
Acq: 4 Jun 2022 12:33

Tot Ion:105 Resp: 4015689

Ion Ratio Lower Upper

105 100

120 45.9 36.7 55.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.00

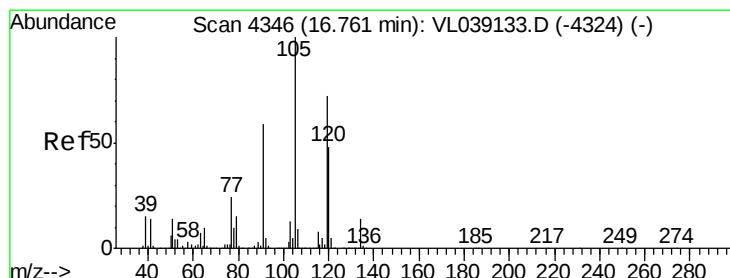
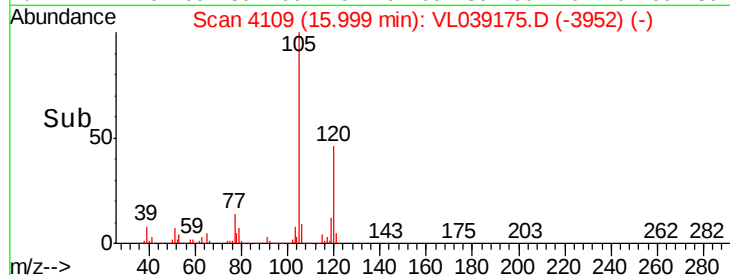
1500000

1000000

500000

0

Time--> 15.90 16.00 16.10



#74

1,2,4-Trimethylbenzene

Concen: 7.169 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.00 min

Lab File: VL039175.D

Acq: 4 Jun 2022 12:33

Tgt Ion:105 Resp: 4285525

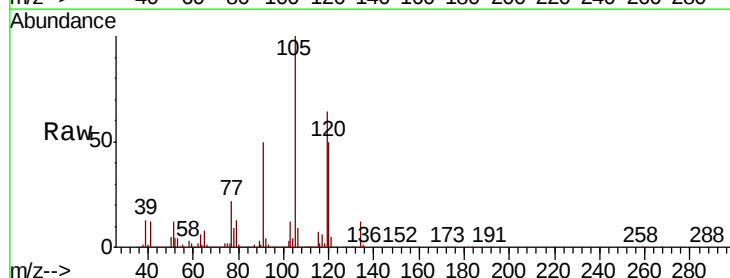
Ion Ratio Lower Upper

105 100

120 49.4 38.1 57.1

91 50.0 47.4 71.0

77 22.1 19.5 29.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

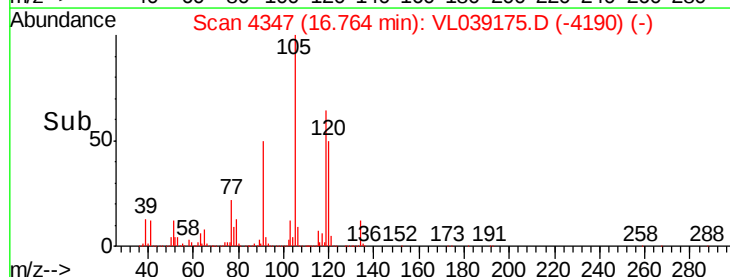
1500000

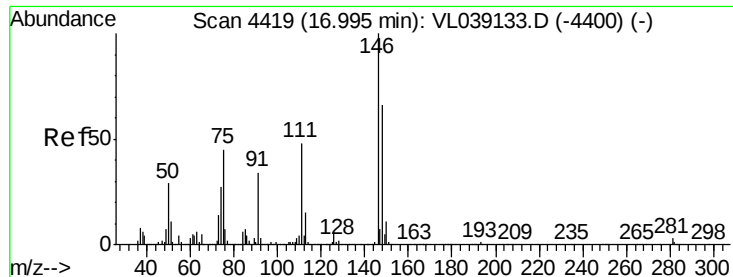
1000000

500000

0

Time--> 16.70 16.80





#75

1,3-Dichlorobenzene

Concen: 7.539 ppbv

RT: 17.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 4 Jun 2022 12:33

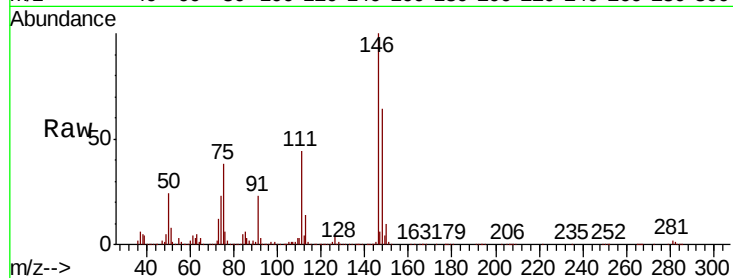
Tot Ion:146 Resp: 2550846

Ion Ratio Lower Upper

146 100

111 45.5 23.8 71.4

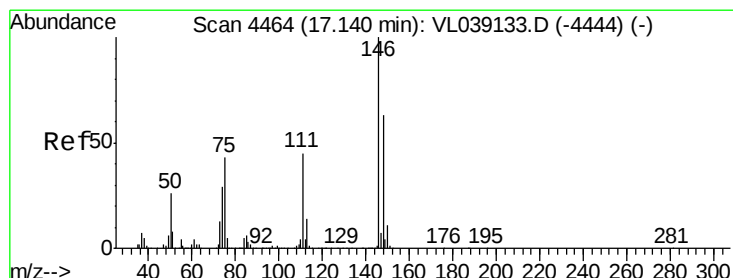
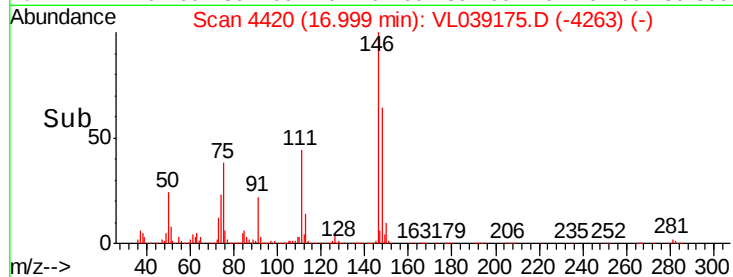
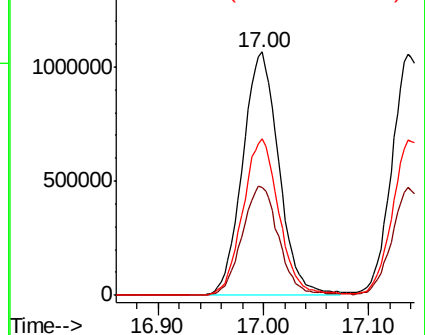
148 64.1 32.4 97.0



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: 7.491 ppbv

RT: 17.14 min Scan# 4463

Delta R.T. -0.00 min

Lab File: VL039175.D

Acq: 4 Jun 2022 12:33

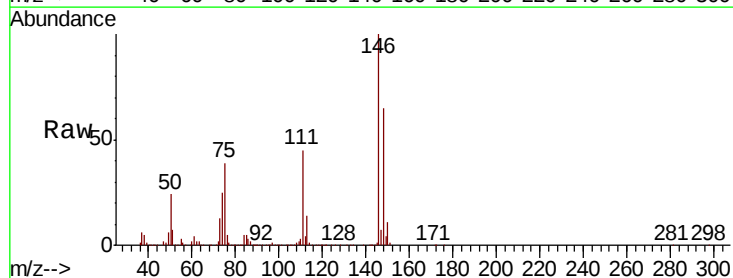
Tgt Ion:146 Resp: 2529054

Ion Ratio Lower Upper

146 100

111 44.3 23.6 71.0

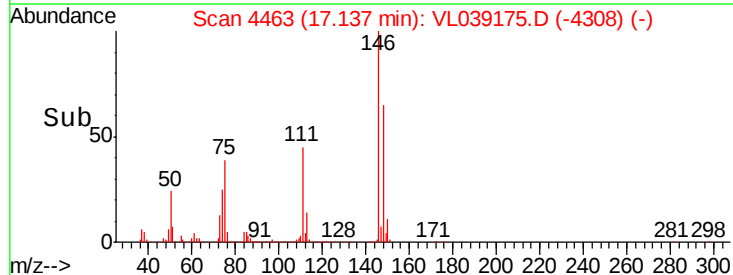
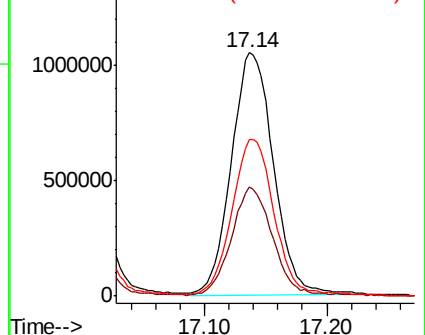
148 65.4 33.7 101.0

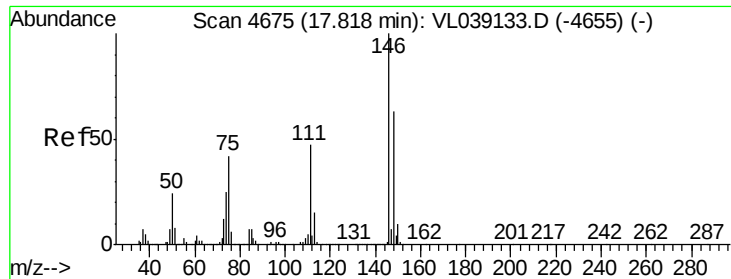


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

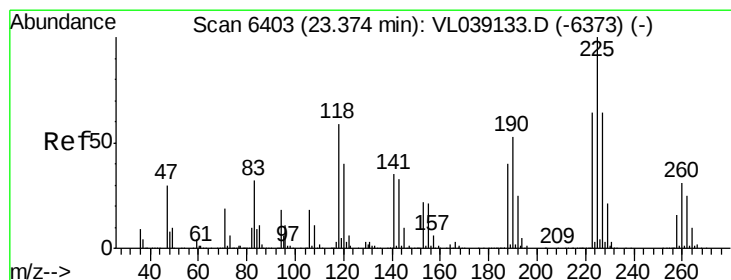
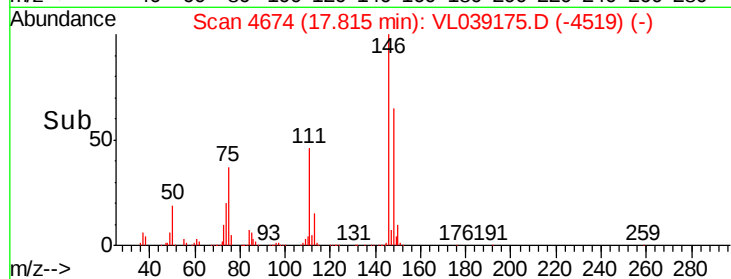
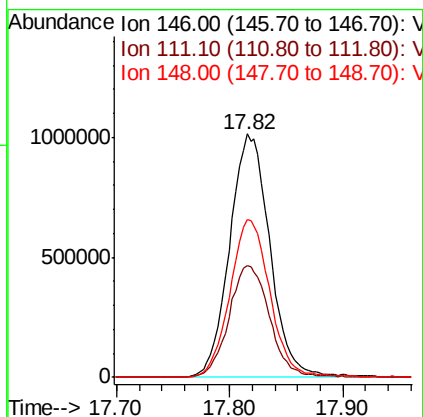
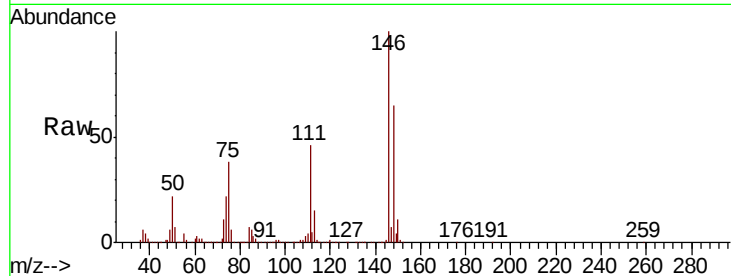
Ion 148.00 (147.70 to 148.70): V





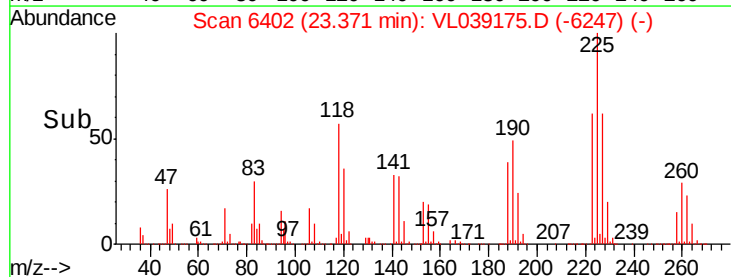
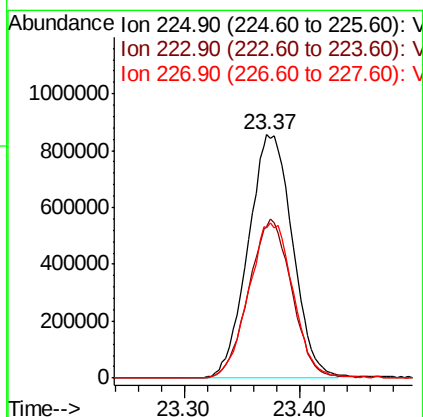
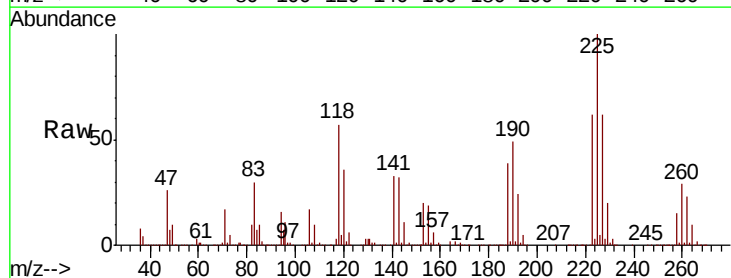
#77
 1,2-Dichlorobenzene
 Concen: 7.249 ppbv
 RT: 17.82
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 4 Jun 2022 12:33

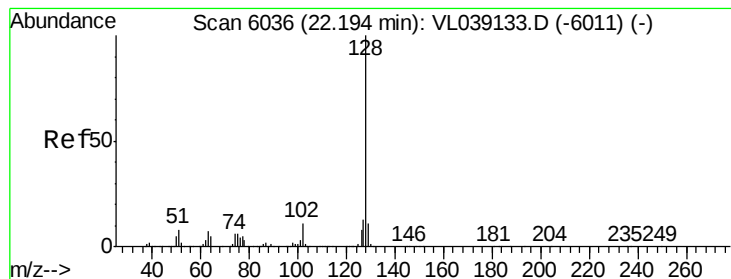
Tot Ion:146 Resp: 2472097
 Ion Ratio Lower Upper
 146 100
 111 47.3 24.4 73.4
 148 65.1 32.1 96.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.299 ppbv
 RT: 23.37 min Scan# 6402
 Delta R.T. -0.00 min
 Lab File: VL039175.D
 Acq: 4 Jun 2022 12:33

Tgt Ion:225 Resp: 2276014
 Ion Ratio Lower Upper
 225 100
 223 63.7 51.4 77.0
 227 64.2 50.6 75.8





#79

Naphthalene

Concen: 10.570 ppbv

RT: 22.20

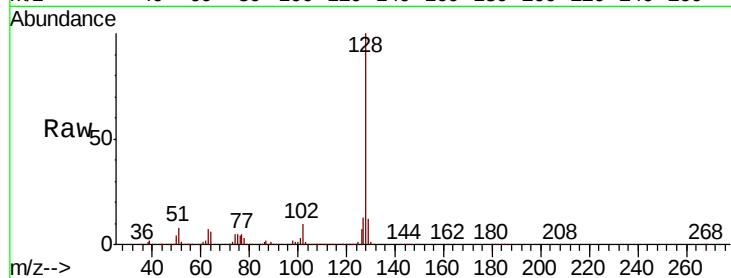
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 4 Jun 2022 12:33 VSTDCCC010EC

Tot Ion:128 Resp: 4863977

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.6	9.0	13.6

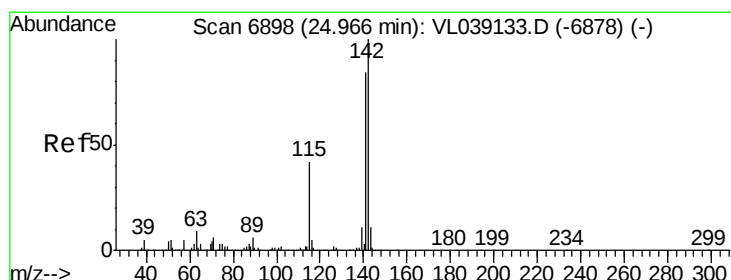
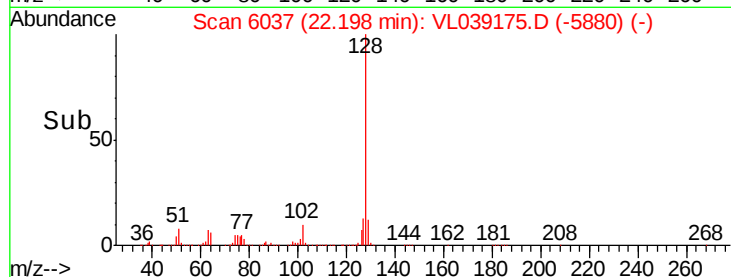
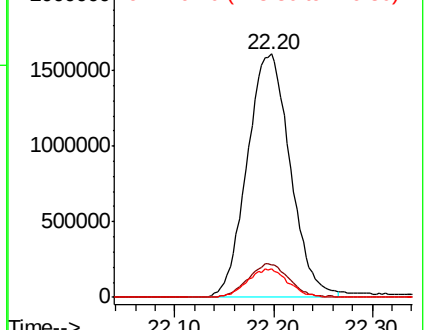


Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 9.842 ppbv

RT: 24.97 min Scan# 6899

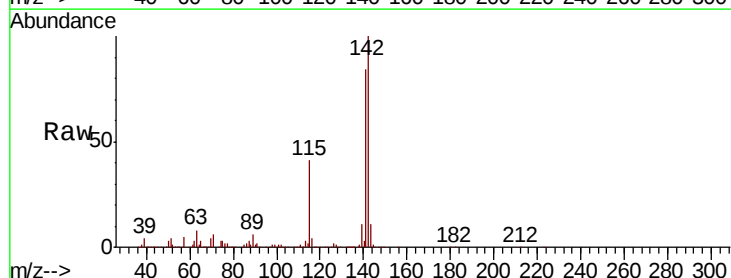
Delta R.T. 0.00 min

Lab File: VL039175.D

Acq: 4 Jun 2022 12:33

Tgt Ion:142 Resp: 1682783

Ion	Ratio	Lower	Upper
142	100		
141	85.3	64.6	96.8
115	41.2	32.7	49.1

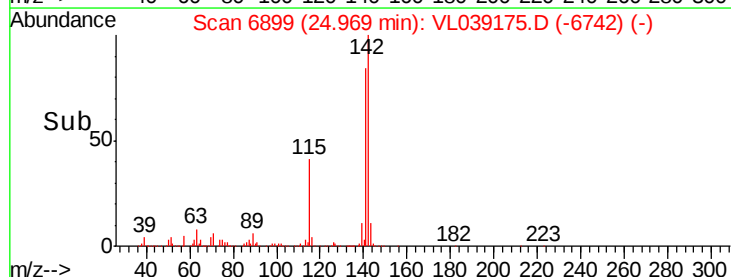
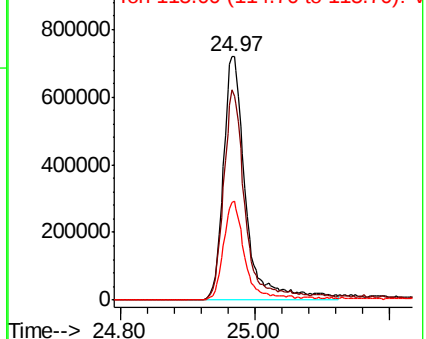


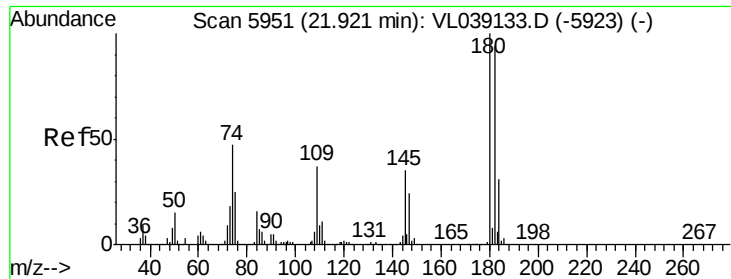
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

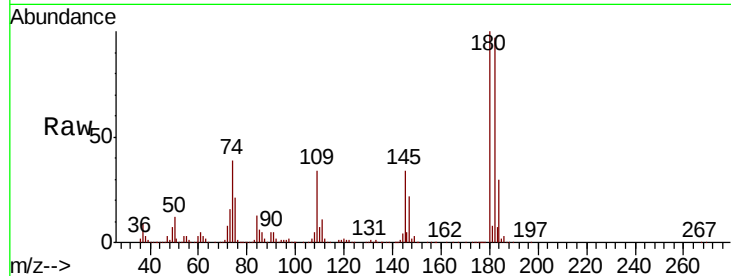
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.028 ppbv
 RT: 21.92
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 4 Jun 2022 12:33

Tot Ion:180 Resp: 2631903
 Ion Ratio Lower Upper
 180 100
 182 97.9 0.0 0.0#
 184 30.7 0.0 0.0#



Abundance Ion 180.00 (179.70 to 180.70): V
 1200000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

