

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052522\
 Data File : VL039131.D
 Acq On : 26 May 2022 11:56
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: May 27 04:26:53 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	987468	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2190789	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	2632237	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.38	95	1879264	9.01	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1344379	8.689	ppbv	98
3) Chlorodifluoromethane	2.98	51	1262221	10.301	ppbv	95
4) Chloromethane	3.13	50	618911	10.086	ppbv	97
5) Vinyl Chloride	3.25	62	653513	11.663	ppbv	97
6) Bromomethane	3.46	94	336458	12.711	ppbv	99
7) Chloroethane	3.55	64	223314	11.907	ppbv	94
8) Dichlorotetrafluoroethane	3.18	85	1676293	11.954	ppbv	98
9) Propene	3.00	41	439474	8.213	ppbv	100
10) Heptane	8.10	43	1255091	9.561	ppbv	100
11) Trichlorofluoromethane	3.93	101	1736079	13.078	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1201664	13.141	ppbv	100
13) Ethanol	3.59	45	17043	4.501	ppbv #	25
14) Bromoethene	3.73	108	478081	12.678	ppbv	99
15) Acetone	3.83	43	1130864	12.141	ppbv	97
16) 1,3-Butadiene	3.32	39	603684	11.280	ppbv	100
17) tert-Butyl alcohol	4.27	59	922654	12.888	ppbv	98
18) 1,1-Dichloroethene	4.28	96	524905	13.337	ppbv	97
19) Isopropyl Alcohol	3.95	45	570603	12.884	ppbv #	95
20) Methylene Chloride	4.33	84	460722	13.123	ppbv	97
21) Allyl Chloride	4.39	41	783947	12.351	ppbv	94
22) trans-1,2-Dichloroethene	4.87	96	551728	12.978	ppbv	95
23) Vinyl Acetate	5.05	43	988077	13.406	ppbv	97
24) 1,1-Dichloroethane	4.99	63	1077225	12.693	ppbv	99
25) Ethyl Acetate	5.65	43	2315848	10.387	ppbv	99
26) Hexane	5.66	57	980380	9.897	ppbv	98
27) Carbon Disulfide	4.53	76	1316087	13.986	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	967219	12.833	ppbv	99
29) Chloroform	5.73	83	1752311	10.934	ppbv	100
30) Cyclohexane	7.10	84	766584	9.243	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1055647	10.460	ppbv	96
32) 1,1,1-Trichloroethane	6.49	97	1826653	11.399	ppbv	99
34) 2-Butanone	5.22	43	1449813	12.972	ppbv	98
35) Carbon Tetrachloride	7.00	117	1935159	13.406	ppbv	99
36) Benzene	6.87	78	1866649	9.956	ppbv	95
37) 1,2-Dichloroethane	6.29	62	1501368	12.943	ppbv	97
38) Trichloroethene	7.81	130	864192	10.369	ppbv	98
39) 1,2-Dichloropropane	7.59	63	748766	10.264	ppbv #	88
40) 1,4-Dioxane	7.80	88	280234	10.696	ppbv #	1
41) Tetrahydrofuran	6.02	42	768319	10.228	ppbv	100
42) Bromodichloromethane	7.76	83	1906231	12.020	ppbv	98
43) Methyl Methacrylate	7.99	69	825173	10.841	ppbv	96

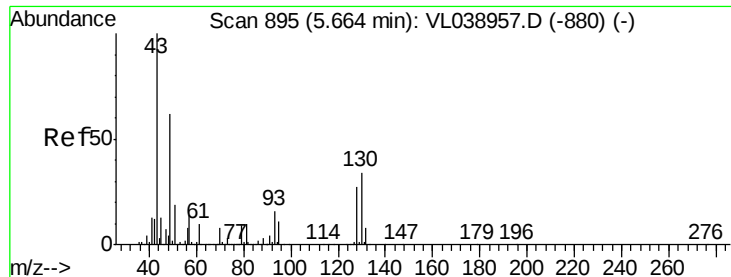
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052522\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	3373231	10.254	ppbv	97
45) t-1,3-Dichloropropene	9.25	75	1008350	13.686	ppbv	99
46) cis-1,3-Dichloropropene	8.68	75	1205824	12.342	ppbv	97
47) 1,1,2-Trichloroethane	9.45	97	802187	10.573	ppbv	99
48) Dibromochloromethane	10.28	129	1555134	12.593	ppbv	100
49) Bromoform	13.01	173	1242079	13.188	ppbv	99
50) 4-Methyl-2-Pentanone	8.71	43	2150106	10.971	ppbv	99
51) 2-Hexanone	10.10	43	1696667	11.861	ppbv #	98
52) Tetrachloroethene	11.20	164	683486	10.202	ppbv	95
53) Toluene	9.78	91	2231208	10.618	ppbv	99
54) 1,2-Dibromoethane	10.58	107	1169944	11.327	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.10	131	1053266	9.120	ppbv	99
57) Chlorobenzene	12.12	112	1663608	8.431	ppbv	99
58) Ethyl Benzene	12.68	91	3133581	8.272	ppbv	97
59) m/p-Xylene	12.97	91	3444013	10.650	ppbv #	64
60) o-Xylene	13.66	91	2706123	8.891	ppbv	98
61) Styrene	13.50	104	1448654	8.915	ppbv	97
62) Isopropylbenzene	14.64	105	3873653	8.703	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.64	83	1523491	8.500	ppbv	99
64) n-propylbenzene	15.53	120	959189	8.913	ppbv	95
65) tert-Butylbenzene	16.71	119	3538352	9.073	ppbv	97
66) Benzyl Chloride	16.95	91	653928	12.828	ppbv	99
67) sec-Butylbenzene	17.26	105	5030422	9.028	ppbv	99
69) p-Isopropyltoluene	17.62	119	4136262	9.189	ppbv	98
70) n-Butylbenzene	18.52	91	4502033	9.414	ppbv	99
71) 2-Chlorotoluene	15.42	91	3012525	8.779	ppbv	98
72) 4-Ethyltoluene	15.81	105	3136291	9.043	ppbv	99
73) 1,3,5-Trimethylbenzene	15.96	105	2874073	9.204	ppbv	99
74) 1,2,4-Trimethylbenzene	16.73	105	3194575	9.344	ppbv	99
75) 1,3-Dichlorobenzene	16.96	146	1742926	9.304	ppbv	98
76) 1,4-Dichlorobenzene	17.10	146	1700215	9.226	ppbv	98
77) 1,2-Dichlorobenzene	17.78	146	1689393	9.119	ppbv	99
78) Hexachloro-1,3-Butadiene	23.34	225	1482956	8.710	ppbv	99
79) Naphthalene	22.15	128	2811925	10.125	ppbv	99
80) Naphthalene, 2-methyl-	24.94	142	837423	9.968	ppbv	98
81) 1,2,4-Trichlorobenzene	21.88	180	875846	5.382	ppbv #	36

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 26 May 2022 11:56 VSTDCCC010EC

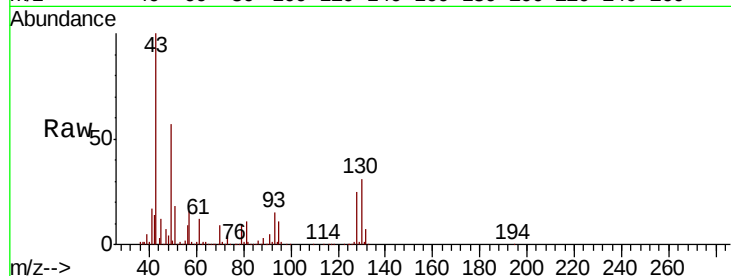
Tot Ion: 49 Resp: 987468

Ion Ratio Lower Upper

49 100

128 45.2 23.3 69.8

130 58.1 29.8 89.3

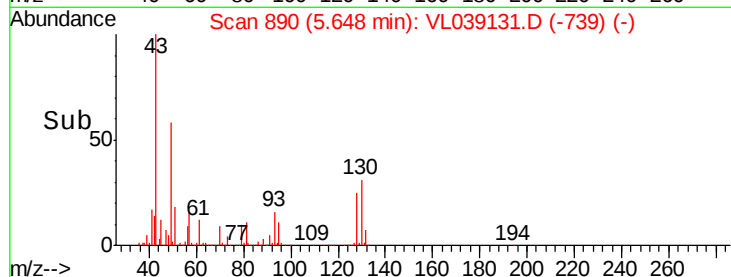


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

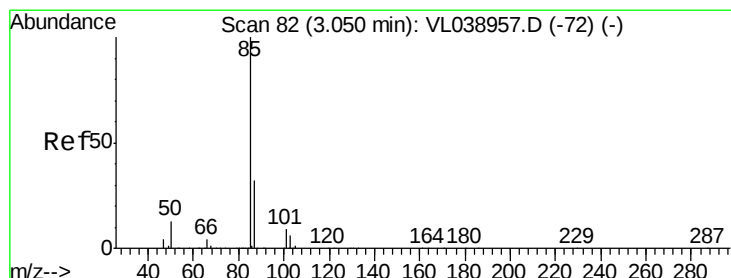
Ion 130.00 (129.70 to 130.70): V

Time-->



5.65

Time-->



#2

Dichlorodifluoromethane

Concen: 8.689 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL039131.D

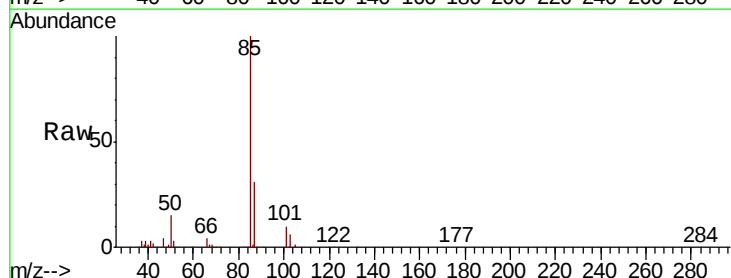
Acq: 26 May 2022 11:56

Tgt Ion: 85 Resp: 1344379

Ion Ratio Lower Upper

85 100

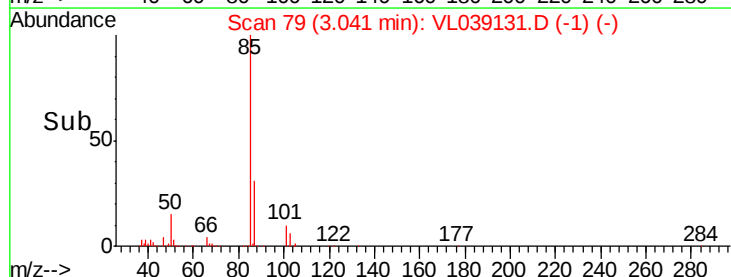
87 30.8 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

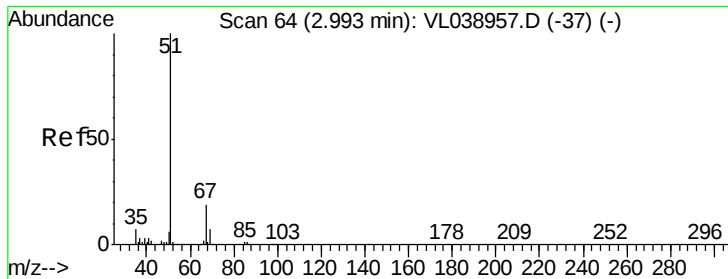
Ion 87.00 (86.70 to 87.70): VL0

Time-->



3.04

Time-->



#3

Chlorodifluoromethane

Concen: 10.301 ppbv

RT: 2.98 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

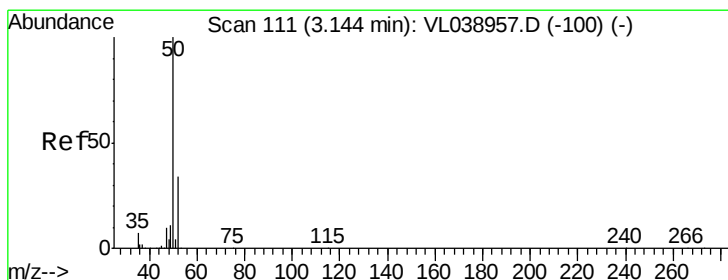
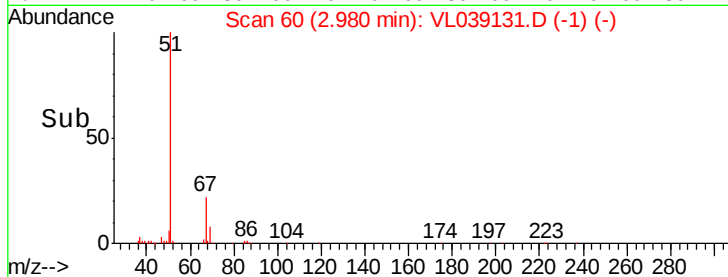
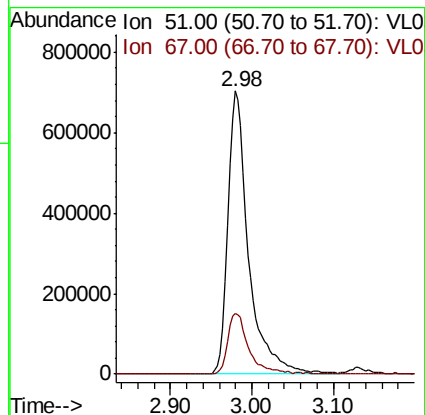
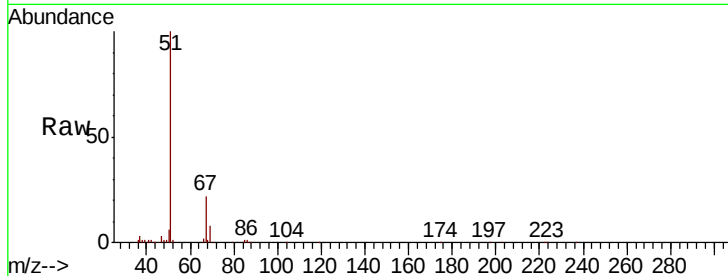
Acq: 26 May 2022 11:56

Tot Ion: 51 Resp: 1262221

Ion Ratio Lower Upper

51 100

67 22.2 15.8 23.8



#4

Chloromethane

Concen: 10.086 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL039131.D

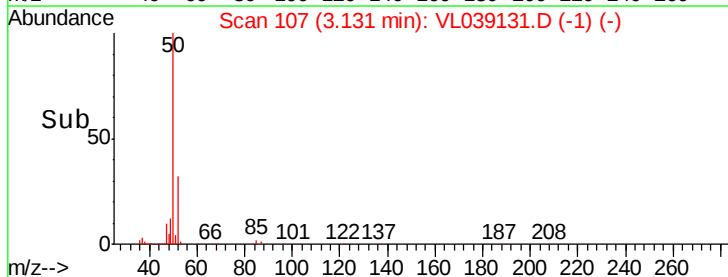
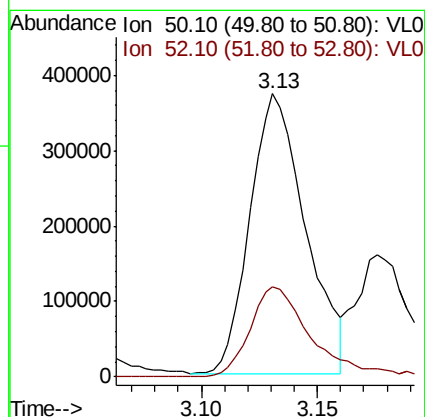
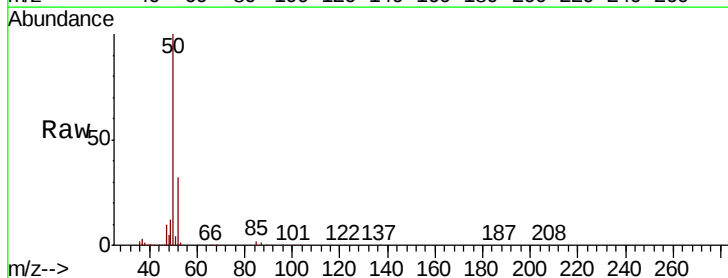
Acq: 26 May 2022 11:56

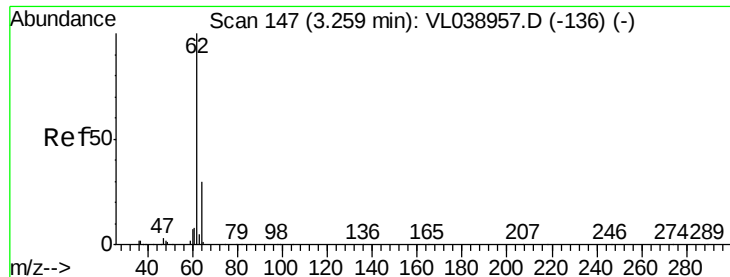
Tgt Ion: 50 Resp: 618911

Ion Ratio Lower Upper

50 100

52 32.1 27.3 40.9





#5

Vinyl Chloride

Concen: 11.663 ppbv

RT: 3.25 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

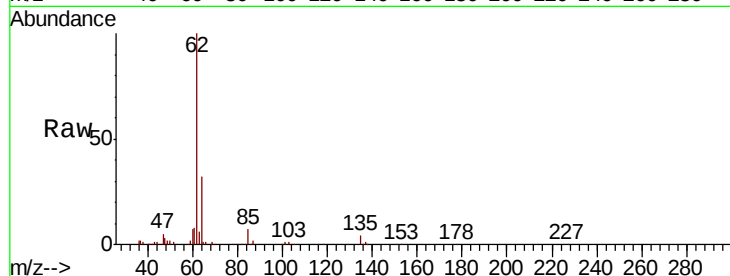
Acq: 26 May 2022 11:58

Tot Ion: 62 Resp: 653513

Ion Ratio Lower Upper

62 100

64 31.7 24.2 36.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

400000

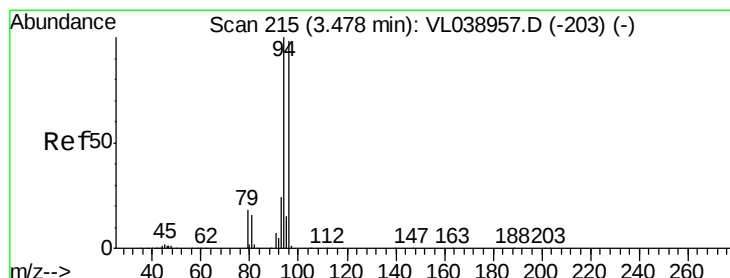
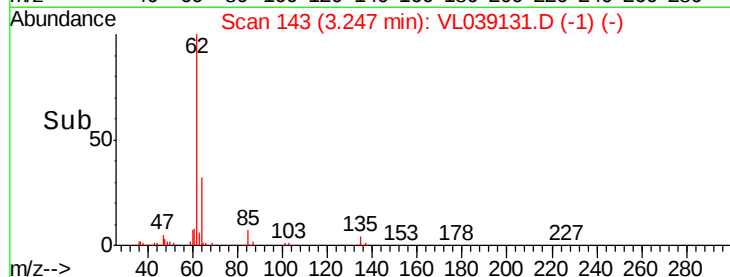
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 12.711 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.02 min

Lab File: VL039131.D

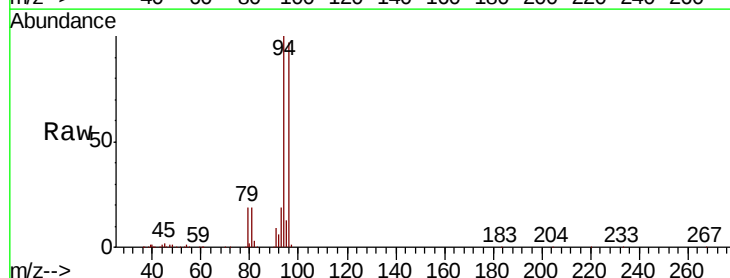
Acq: 26 May 2022 11:56

Tgt Ion: 94 Resp: 336458

Ion Ratio Lower Upper

94 100

96 96.7 78.1 117.1



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

200000

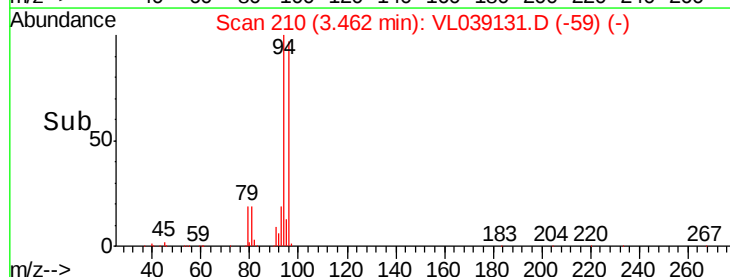
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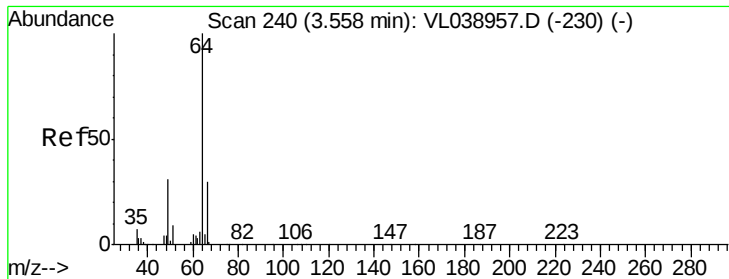
100000

50000

0

Time-->





#7

Chloroethane

Concen: 11.907 ppbv

RT: 3.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

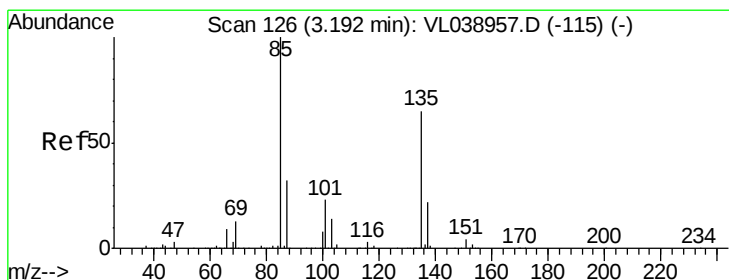
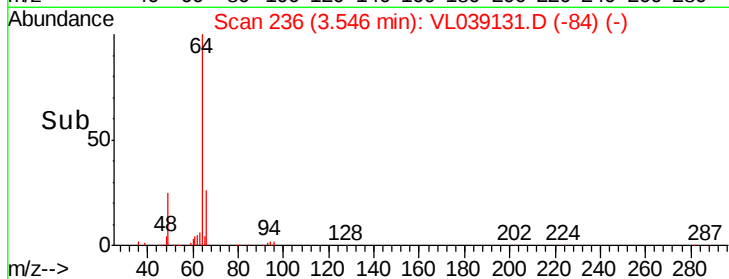
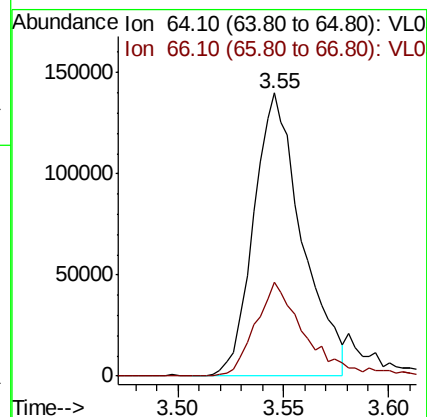
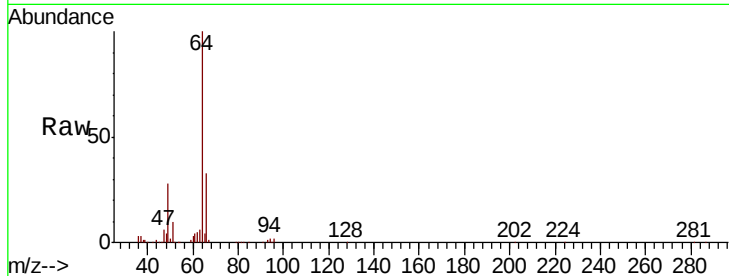
Acq: 26 May 2022 11:56 VSTDCCC010EC

Tot Ion: 64 Resp: 223314

Ion Ratio Lower Upper

64 100

66 33.3 23.8 35.8



#8

Dichlorotetrafluoroethane

Concen: 11.954 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL039131.D

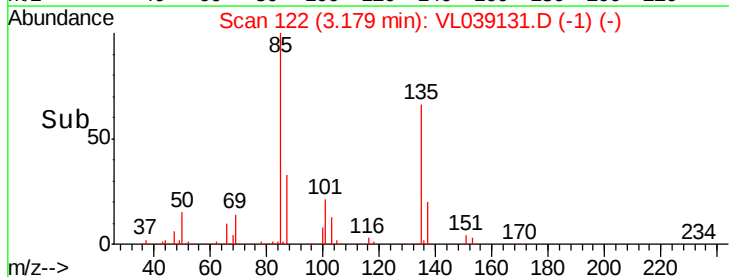
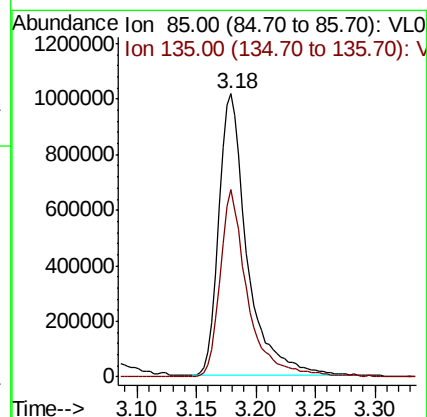
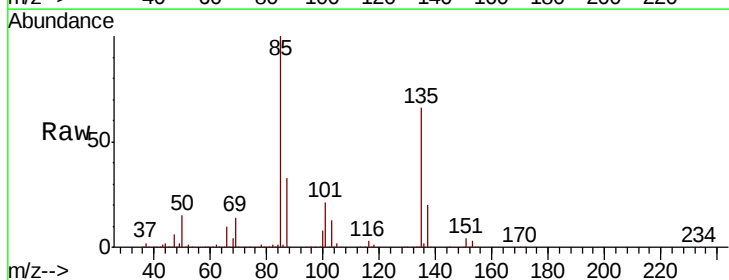
Acq: 26 May 2022 11:56

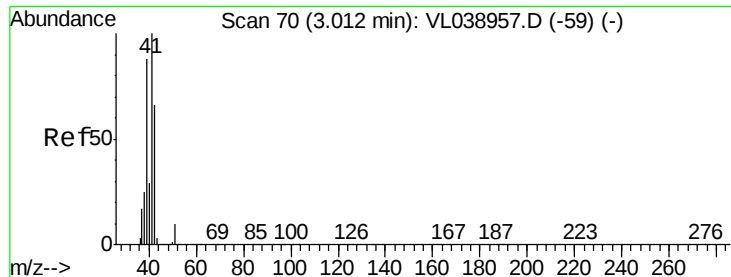
Tgt Ion: 85 Resp: 1676293

Ion Ratio Lower Upper

85 100

135 65.1 53.6 80.4





#9

Propene

Concen: 8.213 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDCCC010EC

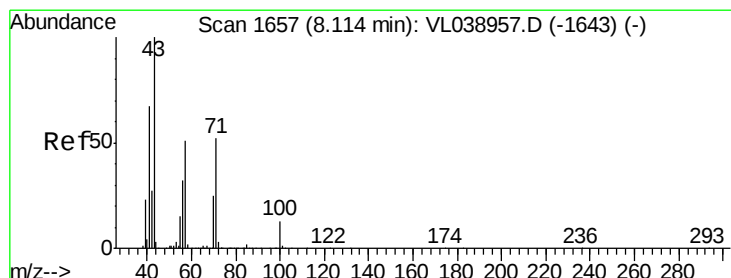
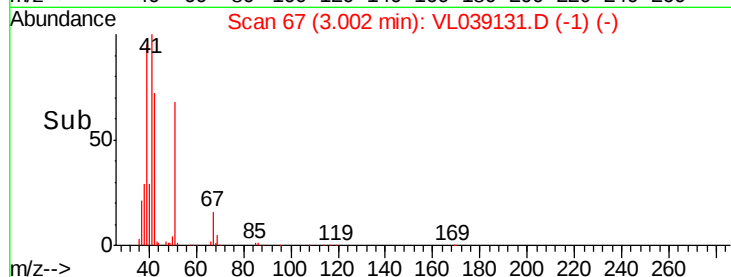
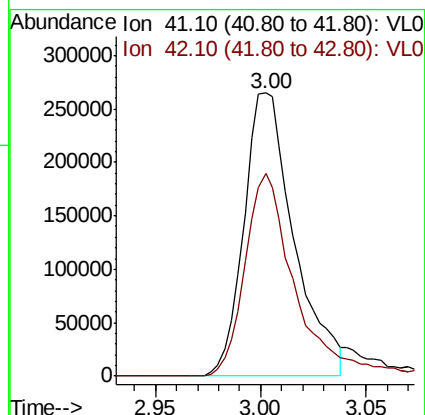
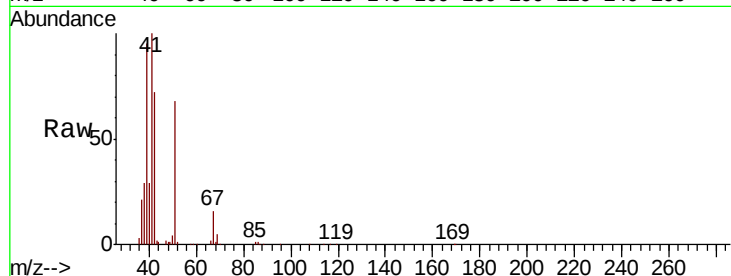
Acq: 26 May 2022 11:58

Tot Ion: 41 Resp: 439474

Ion Ratio Lower Upper

41 100

42 72.6 58.3 87.5



#10

Heptane

Concen: 9.561 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.02 min

Lab File: VL039131.D

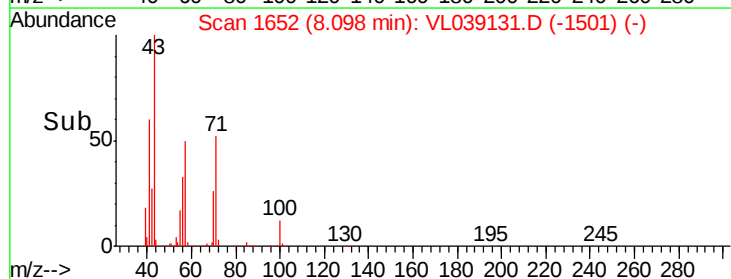
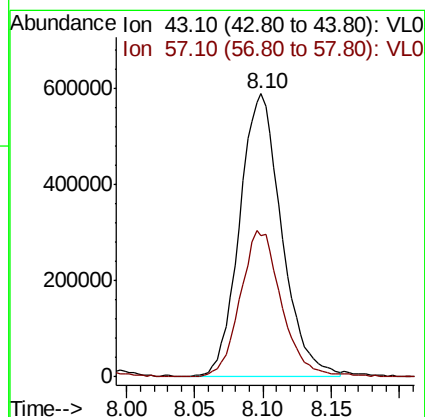
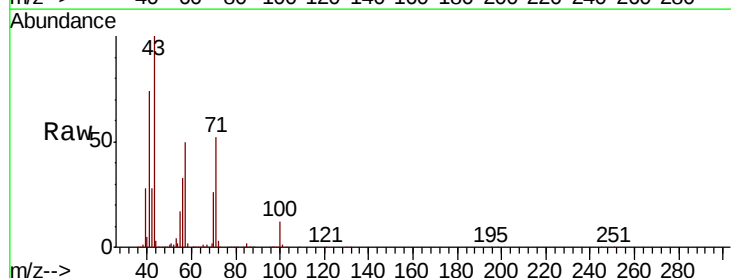
Acq: 26 May 2022 11:56

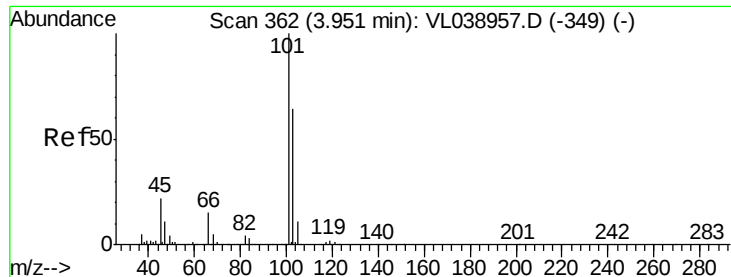
Tgt Ion: 43 Resp: 1255091

Ion Ratio Lower Upper

43 100

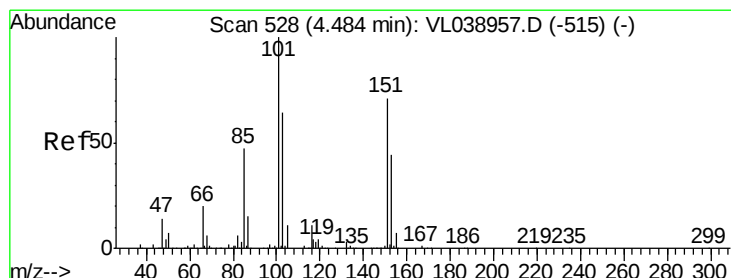
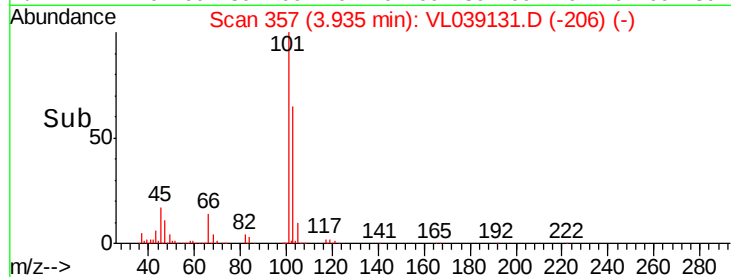
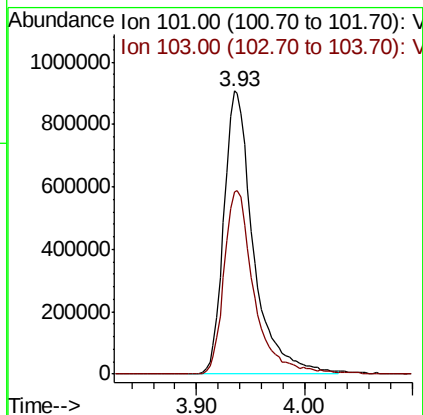
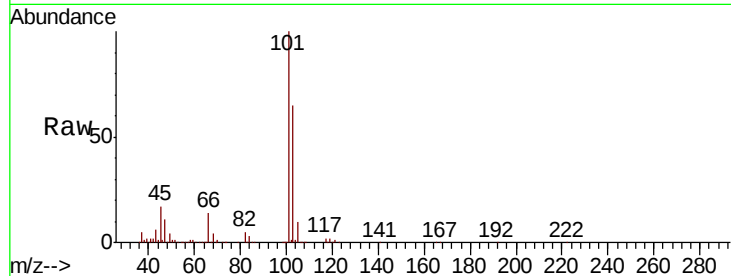
57 50.8 40.5 60.7





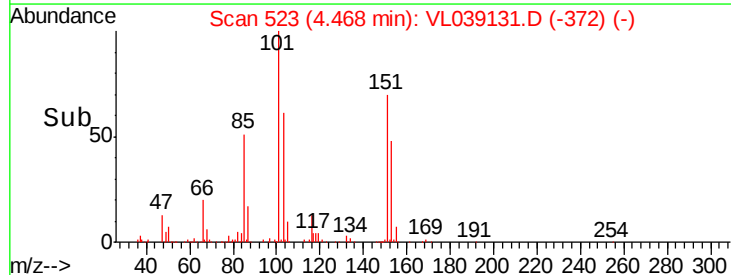
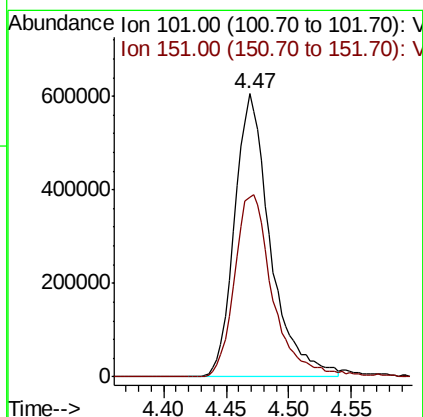
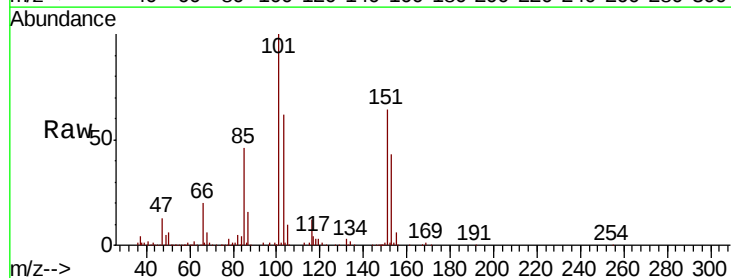
#11
 Trichlorofluoromethane
 Concen: 13.078 ppbv
 RT: 3.93
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 26 May 2022 11:58

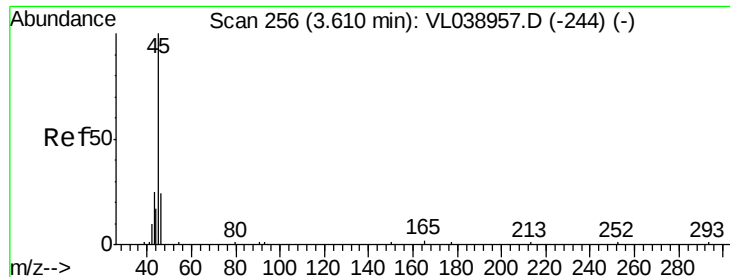
Tot Ion:101 Resp: 1736079
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 13.141 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.02 min
 Lab File: VL039131.D
 Acq: 26 May 2022 11:56

Tgt Ion:101 Resp: 1201664
 Ion Ratio Lower Upper
 101 100
 151 69.6 55.4 83.0





#13

Ethanol

Concen: 4.501 ppbv

RT: 3.59 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

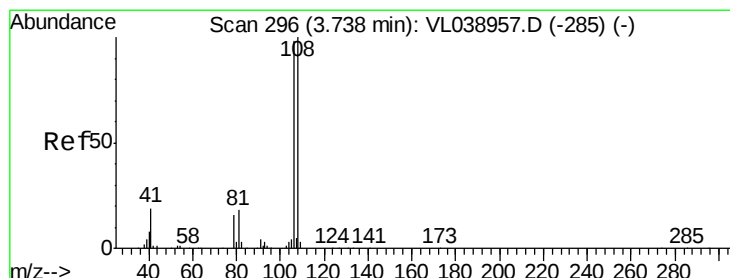
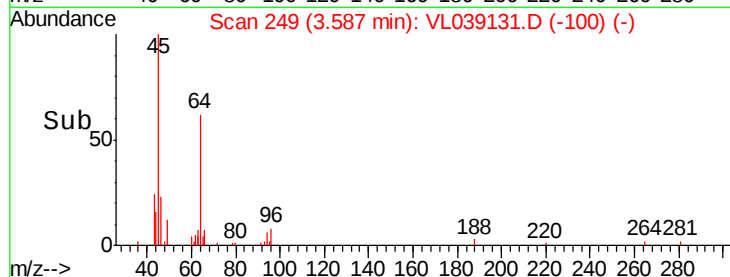
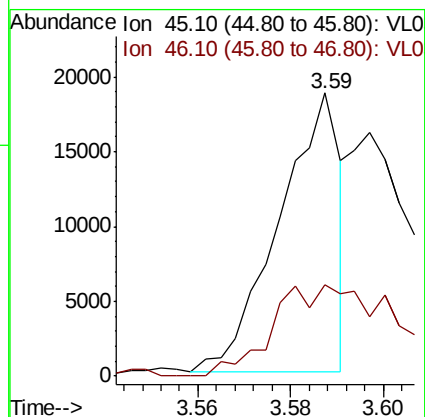
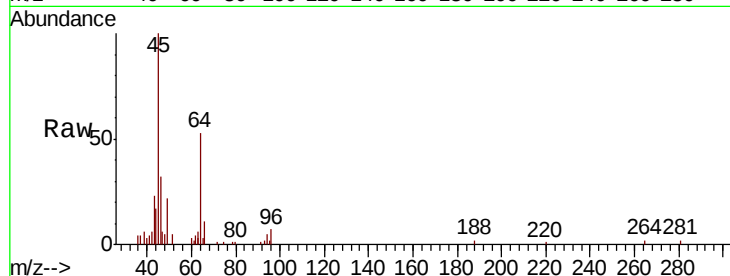
Acq: 26 May 2022 11:56 VSTDCCC010EC

Tot Ion: 45 Resp: 17043

Ion Ratio Lower Upper

45 100

46 94.4 18.0 72.2#



#14

Bromoethene

Concen: 12.678 ppbv

RT: 3.73 min Scan# 292

Delta R.T. -0.01 min

Lab File: VL039131.D

Acq: 26 May 2022 11:56

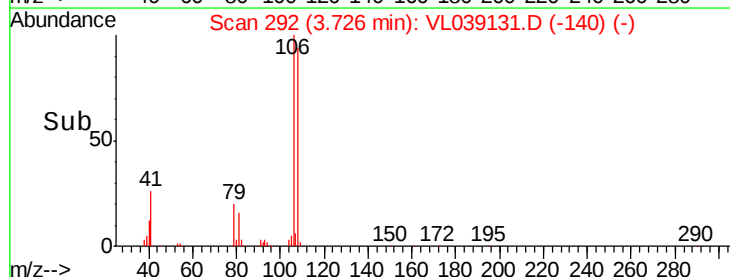
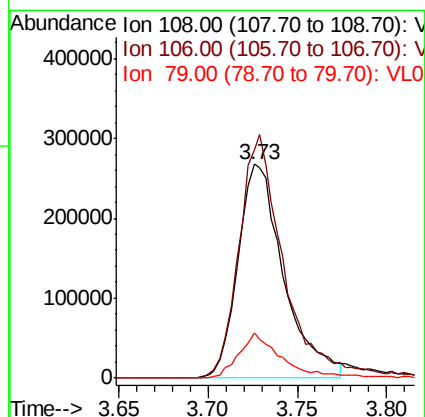
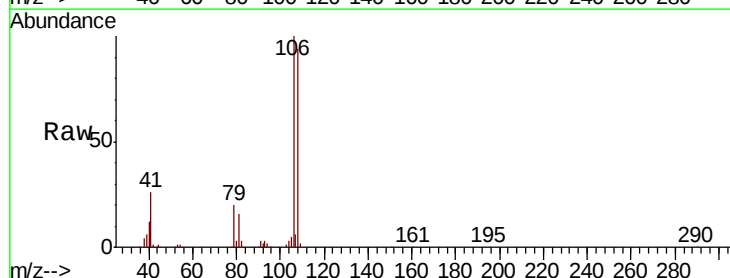
Tgt Ion: 108 Resp: 478081

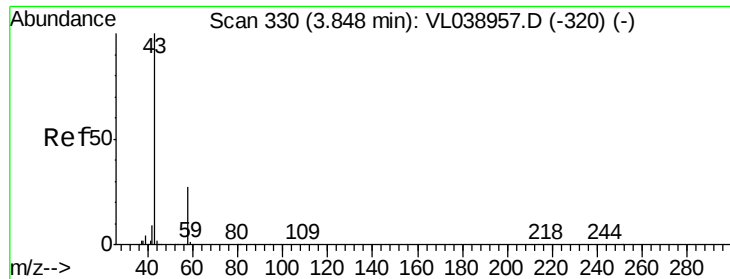
Ion Ratio Lower Upper

108 100

106 113.7 90.3 135.5

79 20.4 14.9 22.3





#15

Acetone

Concen: 12.141 ppbv

RT: 3.83 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

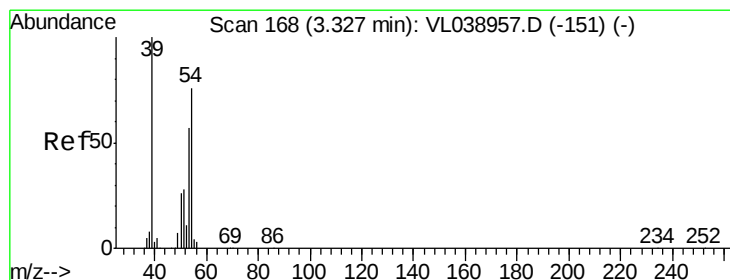
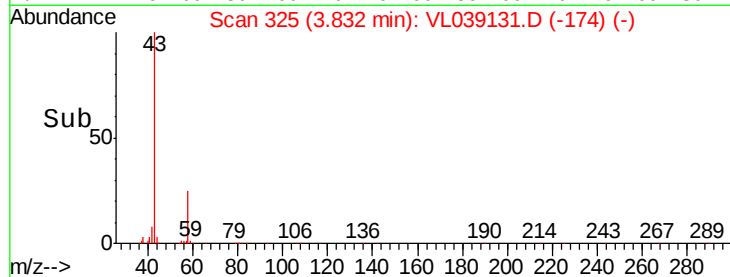
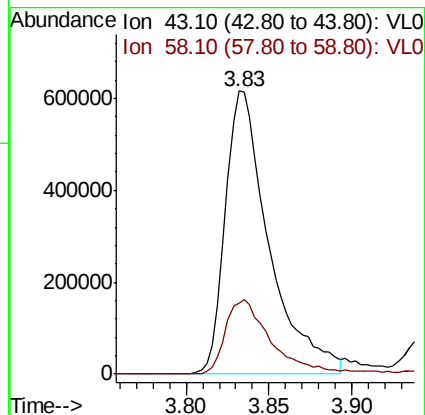
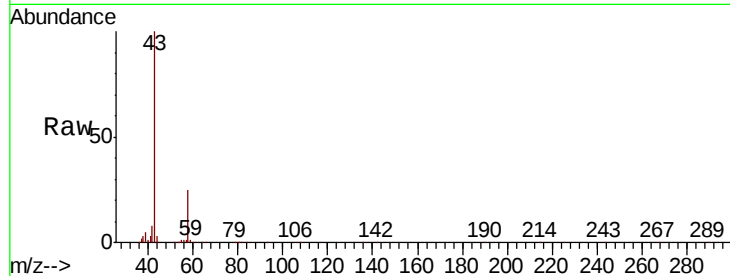
Acq: 26 May 2022 11:56

Tot Ion: 43 Resp: 1130864

Ion Ratio Lower Upper

43 100

58 27.9 21.3 31.9



#16

1,3-Butadiene

Concen: 11.280 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.01 min

Lab File: VL039131.D

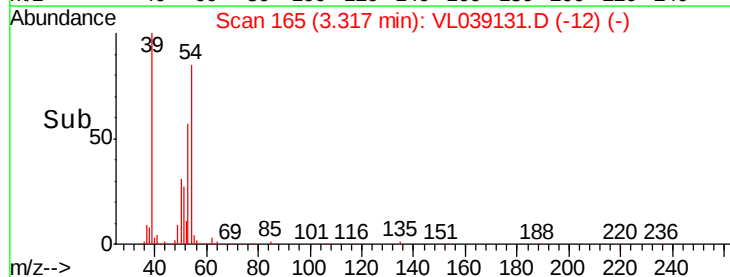
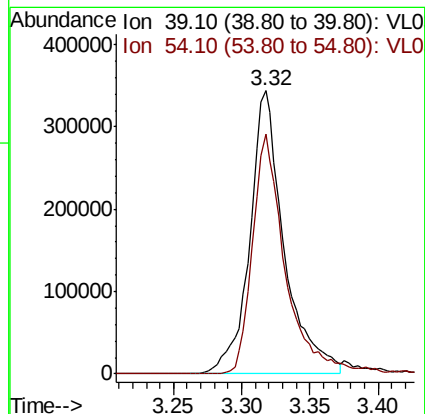
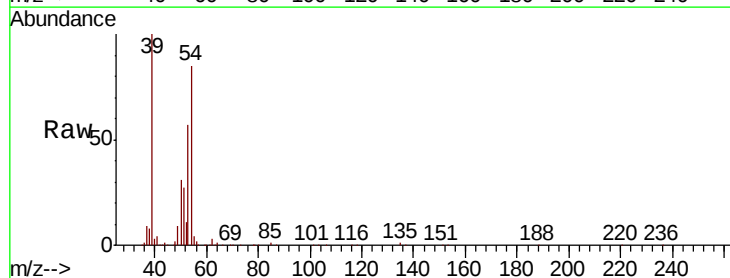
Acq: 26 May 2022 11:56

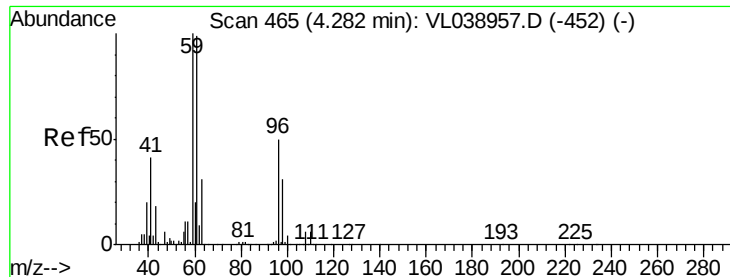
Tgt Ion: 39 Resp: 603684

Ion Ratio Lower Upper

39 100

54 81.9 65.2 97.8





#17

tert-Butyl alcohol

Concen: 12.888 ppbv

RT: 4.27 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

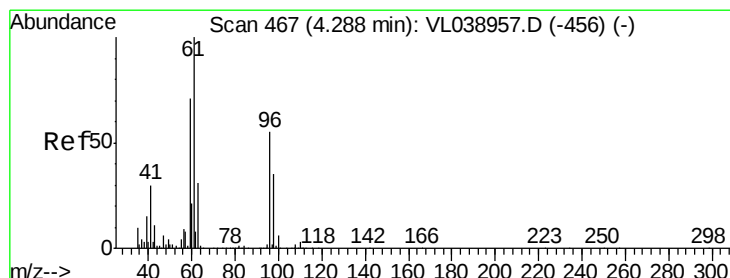
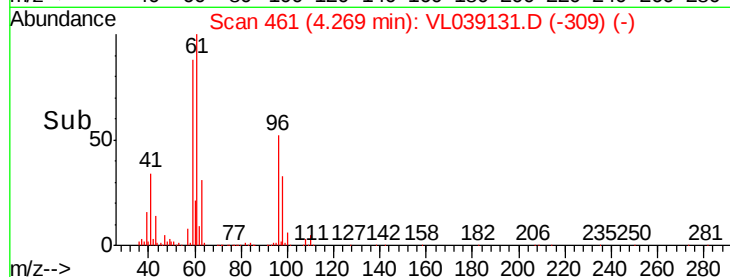
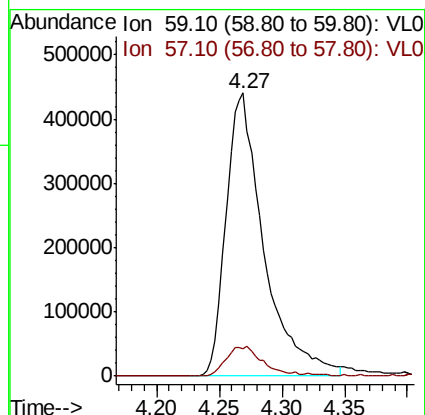
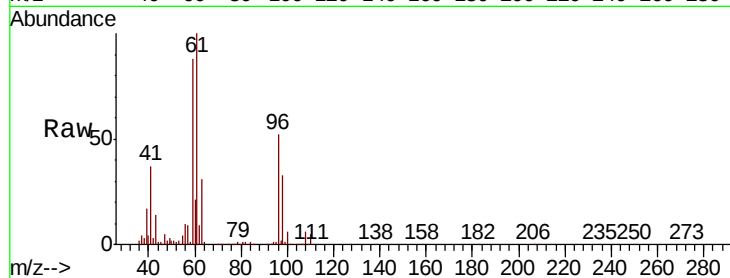
Acq: 26 May 2022 11:56 VSTDCCC010EC

Tot Ion: 59 Resp: 922654

Ion Ratio Lower Upper

59 100

57 10.8 9.2 13.8



#18

1,1-Dichloroethene

Concen: 13.337 ppbv

RT: 4.28 min Scan# 463

Delta R.T. -0.01 min

Lab File: VL039131.D

Acq: 26 May 2022 11:56

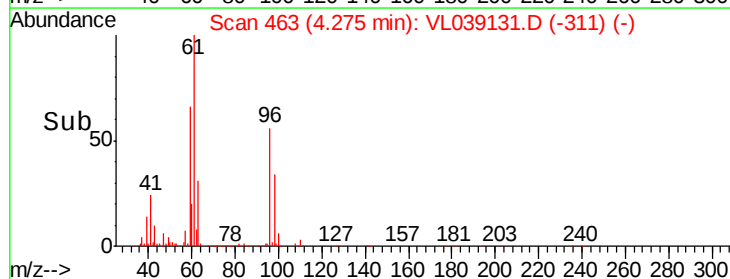
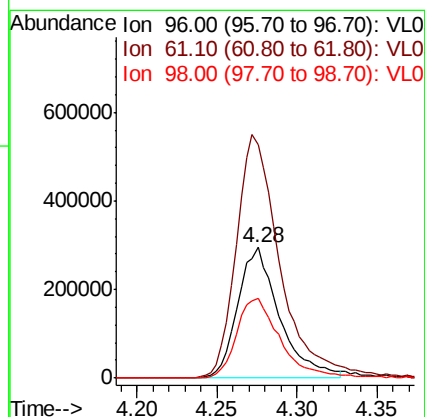
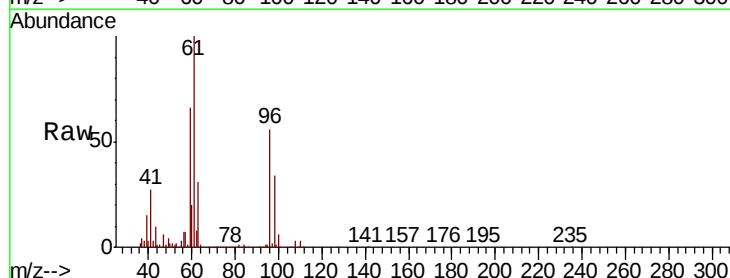
Tgt Ion: 96 Resp: 524905

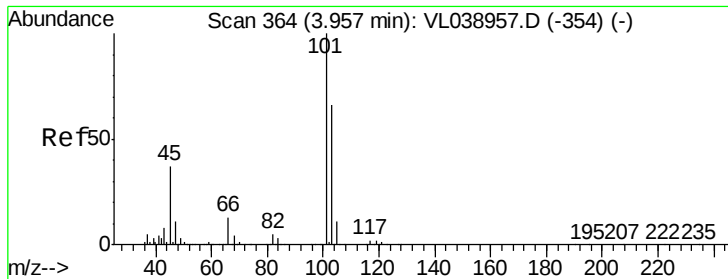
Ion Ratio Lower Upper

96 100

61 178.7 146.3 219.5

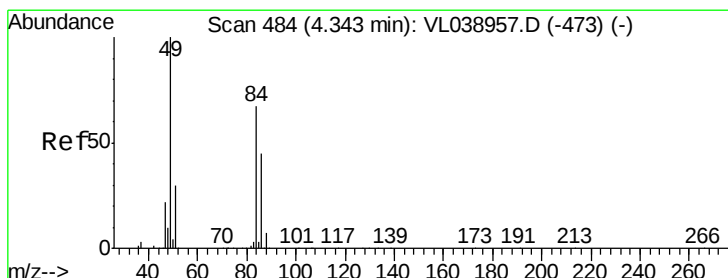
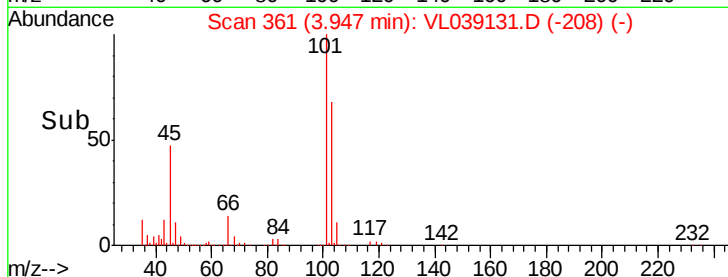
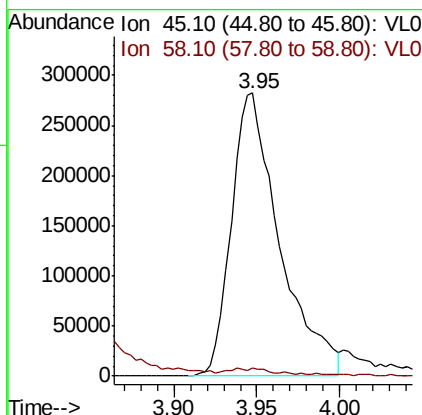
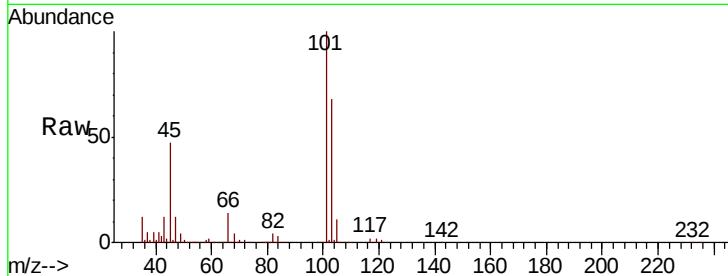
98 60.9 50.6 75.8





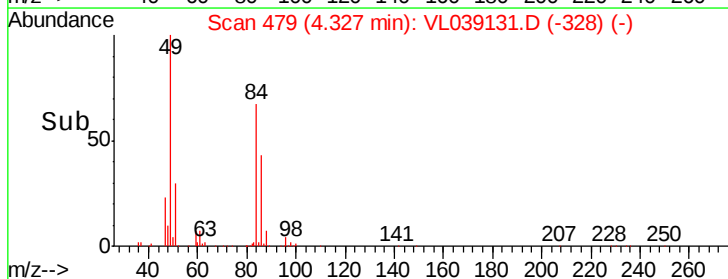
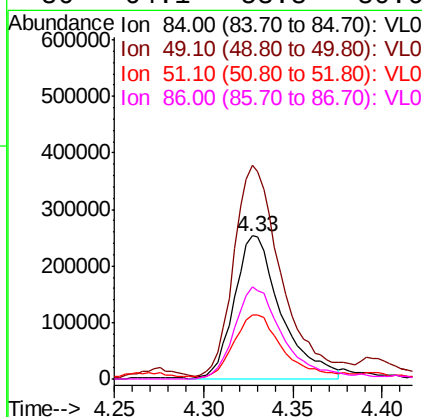
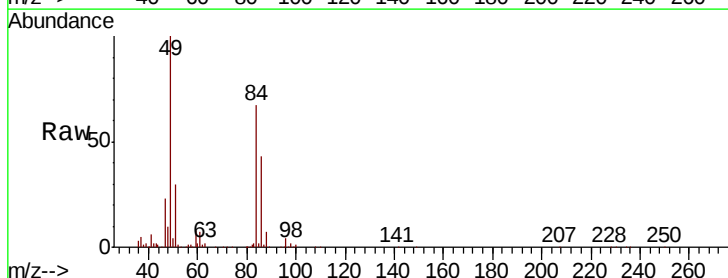
#19
Isopropyl Alcohol
Concen: 12.884 ppbv
RT: 3.95 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 26 May 2022 11:56

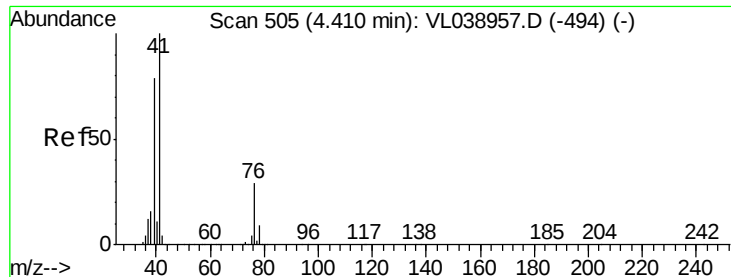
Tot Ion: 45 Resp: 570603
Ion Ratio Lower Upper
45 100
58 3.5 1.4 2.2#



#20
Methylene Chloride
Concen: 13.123 ppbv
RT: 4.33 min Scan# 479
Delta R.T.: -0.02 min
Lab File: VL039131.D
Acq: 26 May 2022 11:56

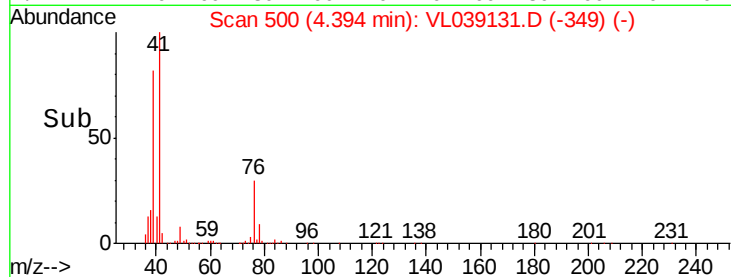
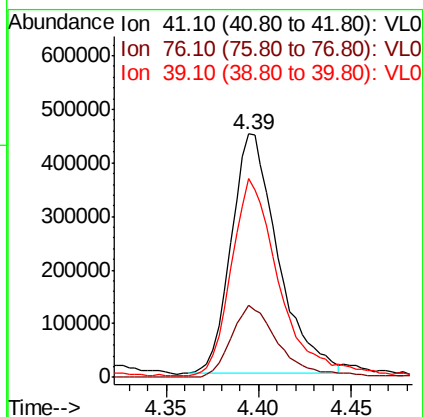
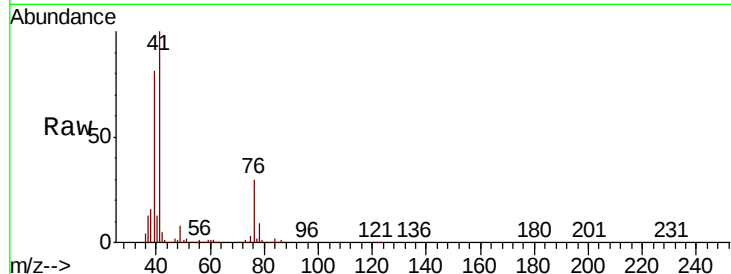
Tgt Ion: 84 Resp: 460722
Ion Ratio Lower Upper
84 100
49 146.9 119.9 179.9
51 43.4 35.7 53.5
86 64.1 53.8 80.6





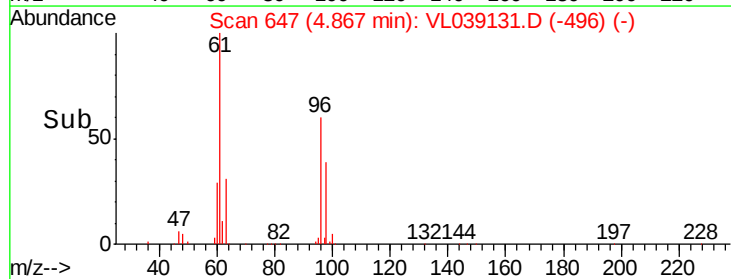
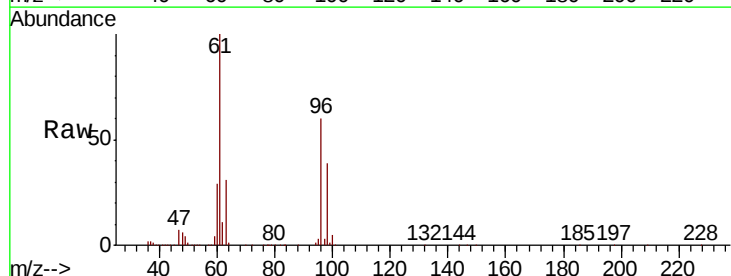
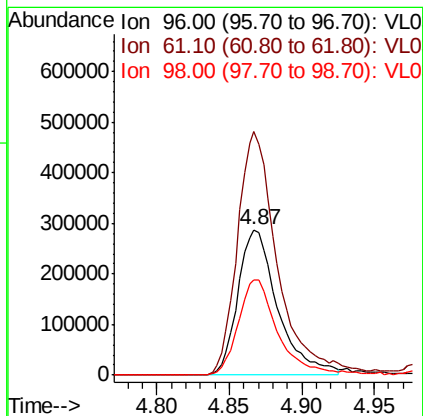
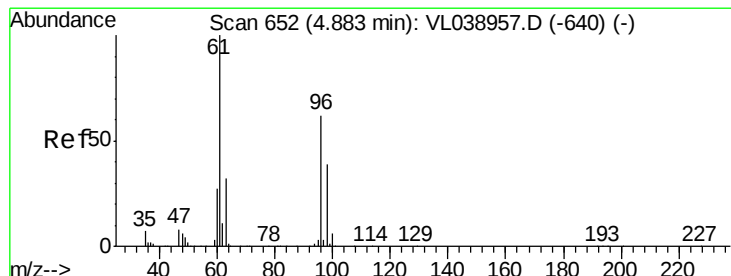
#21
 Allvl Chloride
 Concen: 12.351 ppbv
 RT: 4.39
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 26 May 2022 11:56

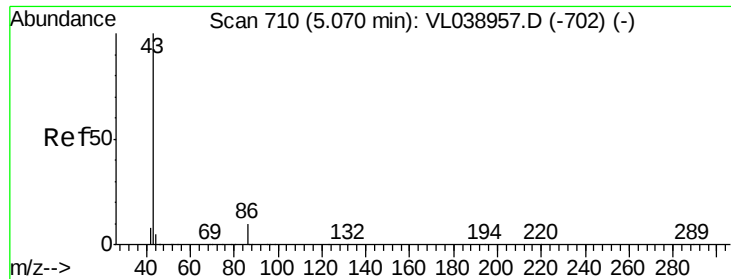
Tot Ion:	41	Resp:	783947
Ion	Ratio	Lower	Upper
41	100		
76	31.1	24.2	36.4
39	86.6	63.8	95.8



#22
 trans-1,2-Dichloroethene
 Concen: 12.978 ppbv
 RT: 4.87 min Scan# 647
 Delta R.T. -0.02 min
 Lab File: VL039131.D
 Acq: 26 May 2022 11:56

Tgt Ion:	96	Resp:	551728
Ion	Ratio	Lower	Upper
96	100		
61	167.1	128.2	192.2
98	65.4	50.1	75.1





#23

Vinyl Acetate

Concen: 13.406 ppbv

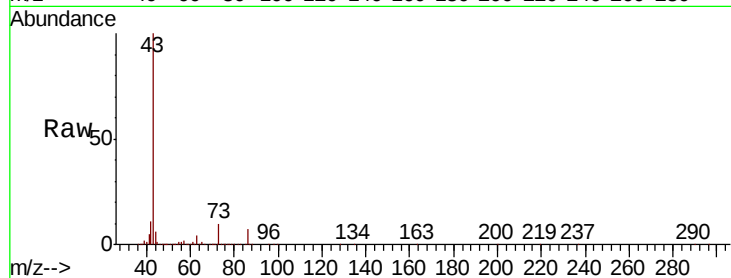
RT: 5.05 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

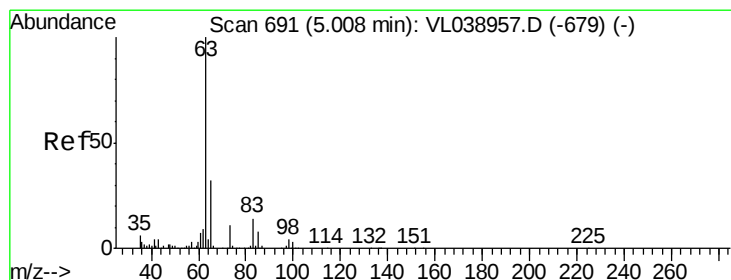
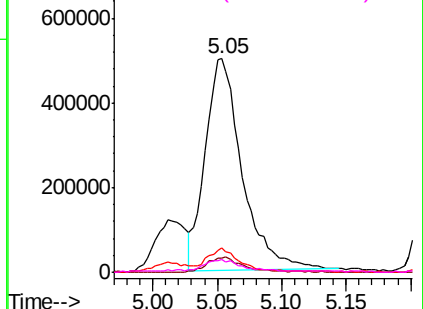
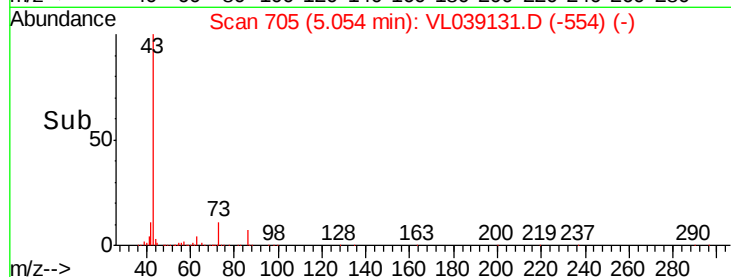
Lab File: VSTDCCC010EC

Acq: 26 May 2022 11:56

Tot Ion:	43	Resp:	988077
Ion	Ratio	Lower	Upper
43	100		
86	6.7	6.6	9.8
42	11.1	8.1	12.1
44	5.1	3.5	5.3



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: 12.693 ppbv

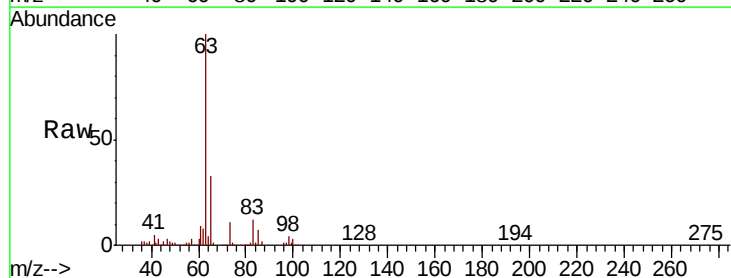
RT: 4.99 min Scan# 686

Delta R.T. -0.02 min

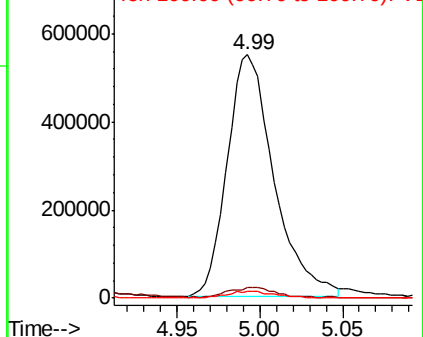
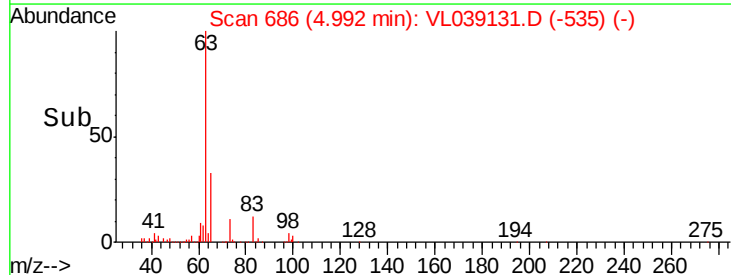
Lab File: VL039131.D

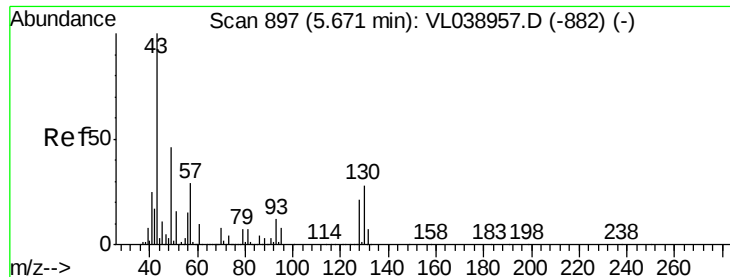
Acq: 26 May 2022 11:56

Tgt Ion:	63	Resp:	1077225
Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.1	6.2
100	2.5	1.4	4.2



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

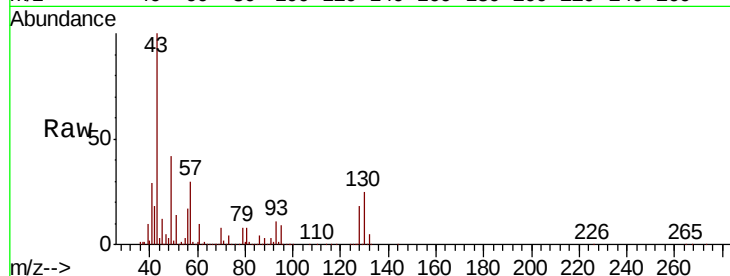




#25
Ethyl Acetate
Concen: 10.387 ppbv
RT: 5.65
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 26 May 2022 11:56

Tot Ion: 43 Resp: 2315848

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.1	12.1
61	10.4	7.8	11.6
70	6.7	5.6	8.4



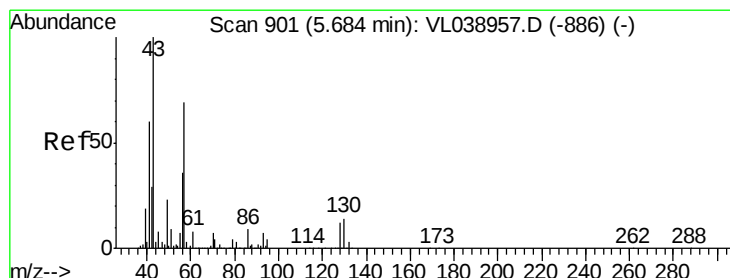
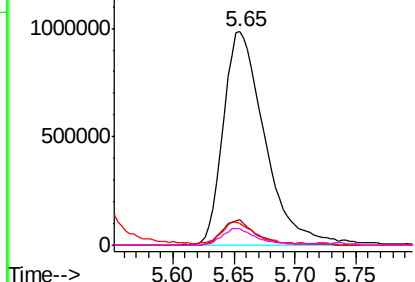
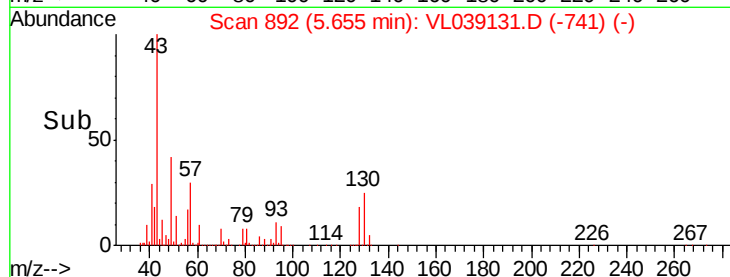
Abundance

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

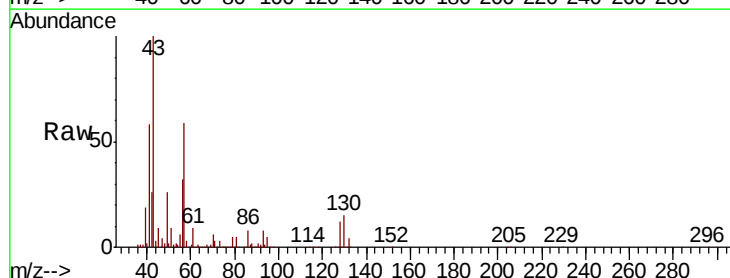
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.897 ppbv
RT: 5.66 min Scan# 895
Delta R.T.: -0.02 min
Lab File: VL039131.D
Acq: 26 May 2022 11:56

Tgt Ion: 57 Resp: 980380

Ion	Ratio	Lower	Upper
57	100		
41	99.1	75.2	112.8
43	241.0	190.8	286.2
56	54.5	43.0	64.6



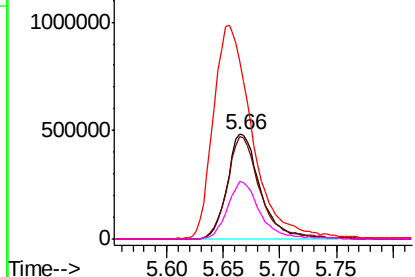
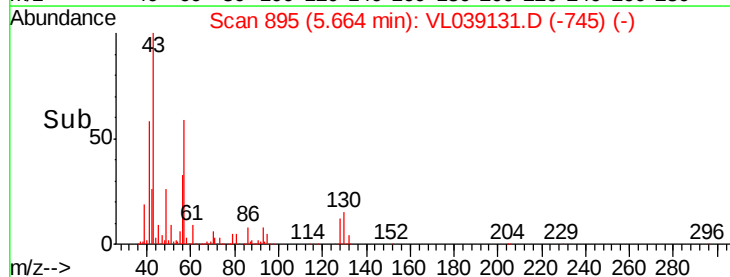
Abundance

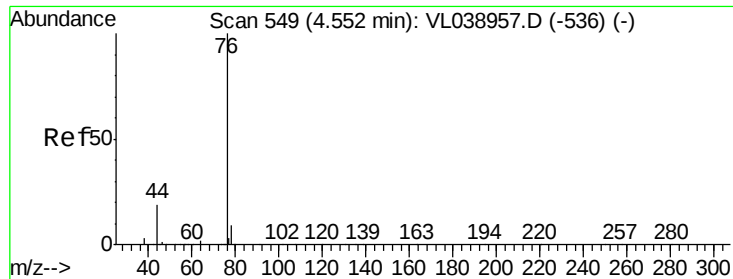
Ion 57.10 (56.80 to 57.80): VL0

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: 13.986 ppbv

RT: 4.53 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 26 May 2022 11:56 VSTDCCC010EC

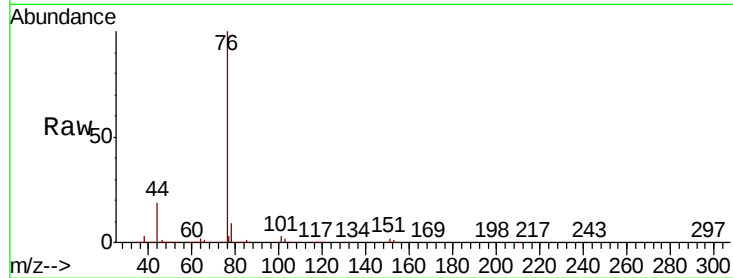
Tot Ion: 76 Resp: 1316087

Ion Ratio Lower Upper

76 100

44 19.0 15.3 22.9

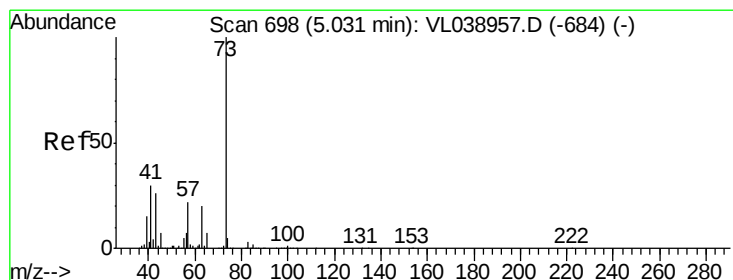
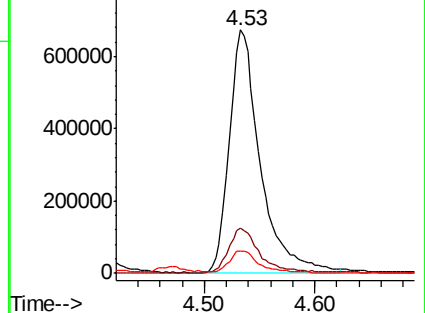
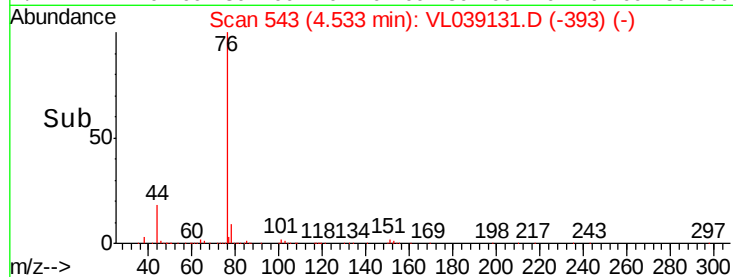
78 9.2 8.2 12.2



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 12.833 ppbv

RT: 5.01 min Scan# 693

Delta R.T. -0.02 min

Lab File: VL039131.D

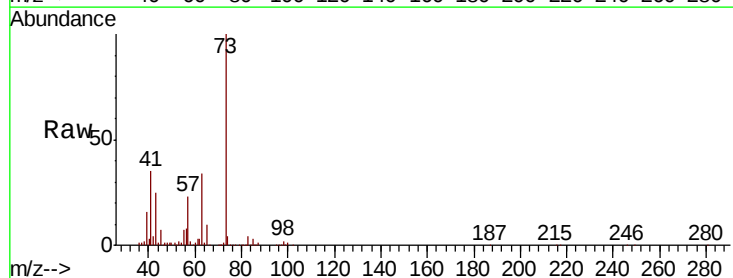
Acq: 26 May 2022 11:56

Tgt Ion: 73 Resp: 967219

Ion Ratio Lower Upper

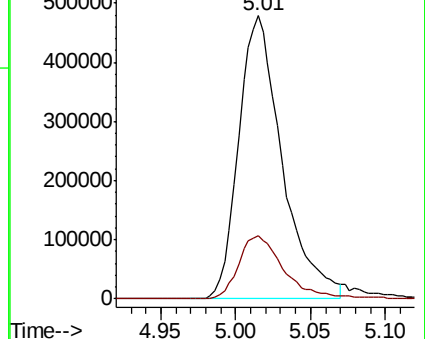
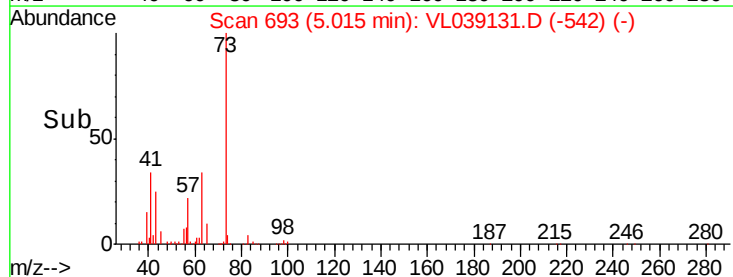
73 100

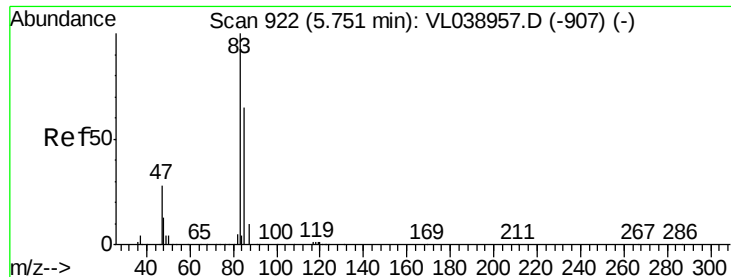
57 23.8 18.8 28.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 10.934 ppbv

RT: 5.73 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

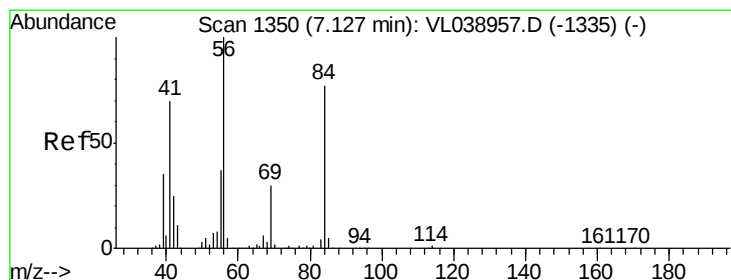
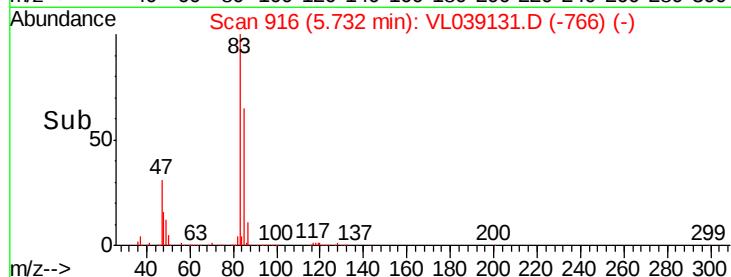
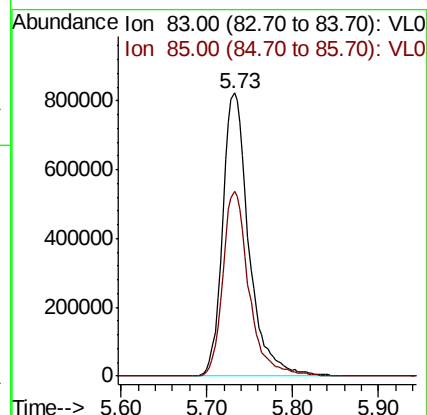
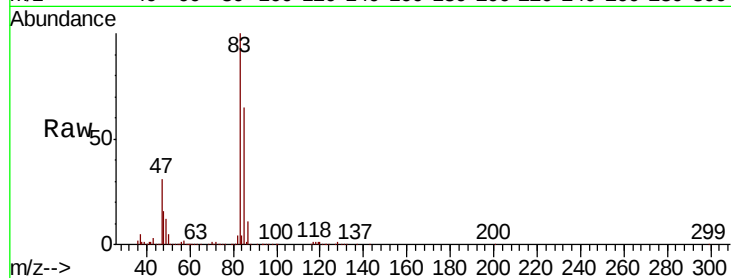
Acq: 26 May 2022 11:56 VSTDCCC010EC

Tot Ion: 83 Resp: 1752311

Ion Ratio Lower Upper

83 100

85 65.0 51.8 77.6



#30

Cyclohexane

Concen: 9.243 ppbv

RT: 7.10 min Scan# 1343

Delta R.T. -0.02 min

Lab File: VL039131.D

Acq: 26 May 2022 11:56

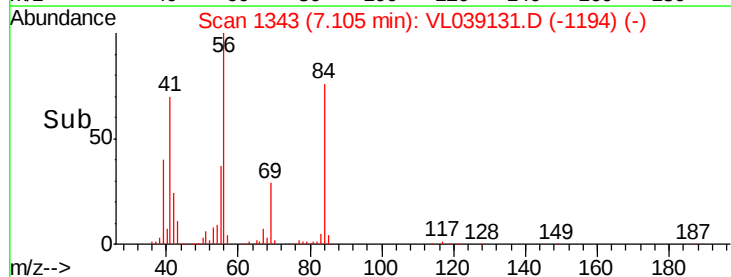
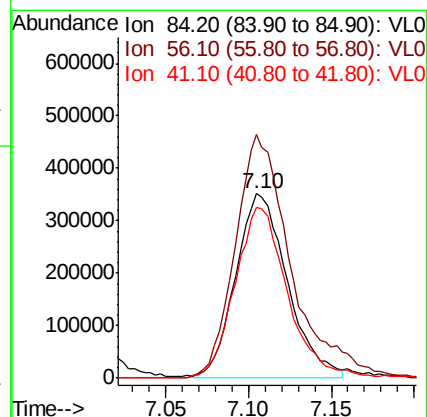
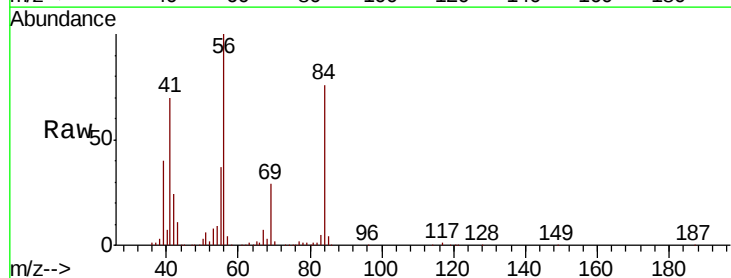
Tgt Ion: 84 Resp: 766584

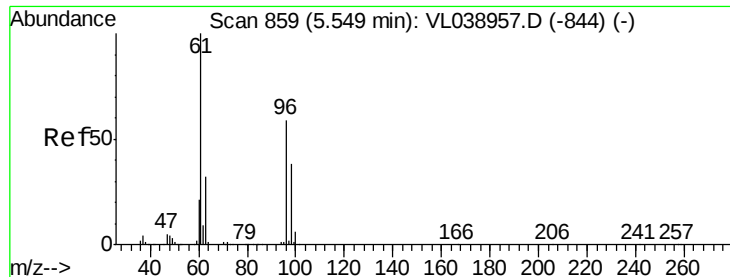
Ion Ratio Lower Upper

84 100

56 143.2 115.3 172.9

41 94.5 72.0 108.0





#31

cis-1,2-Dichloroethene

Concen: 10.460 ppbv

RT: 5.53 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 26 May 2022 11:50 VSTDCCC010EC

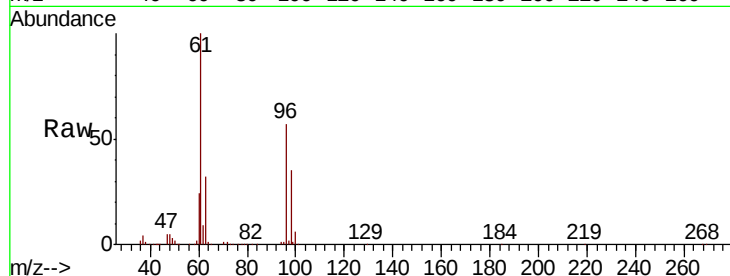
Tot Ion: 61 Resp: 1055647

Ion Ratio Lower Upper

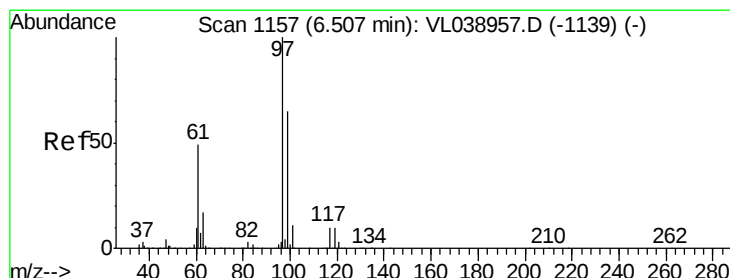
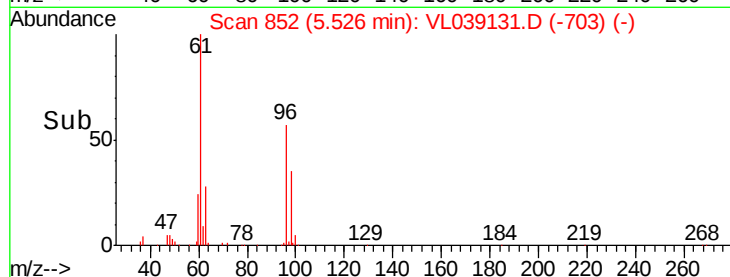
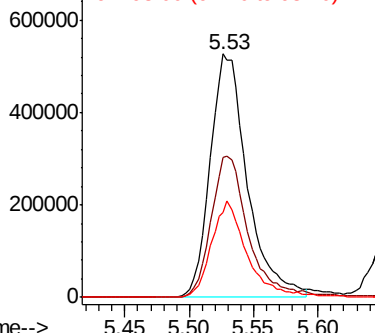
61 100

96 57.2 47.4 71.0

98 34.8 30.6 45.8



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: 11.399 ppbv

RT: 6.49 min Scan# 1152

Delta R.T. -0.02 min

Lab File: VL039131.D

Acq: 26 May 2022 11:56

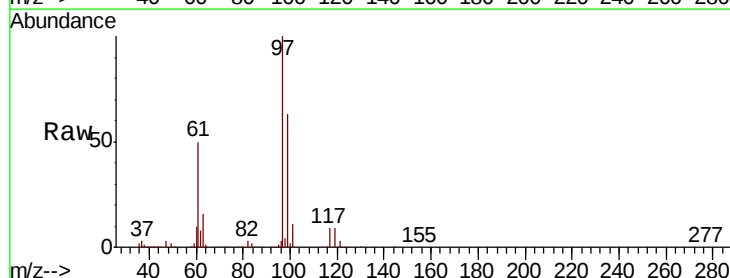
Tgt Ion: 97 Resp: 1826653

Ion Ratio Lower Upper

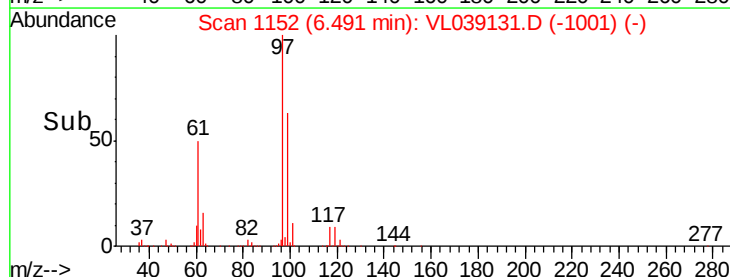
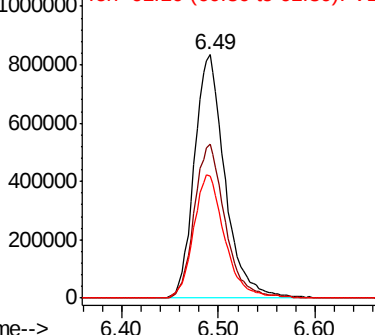
97 100

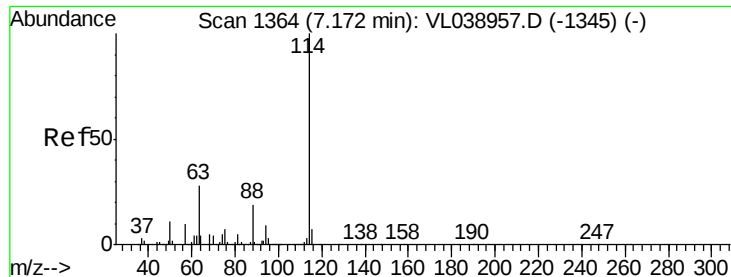
99 64.1 51.9 77.9

61 51.9 40.9 61.3



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: 7.15 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 26 May 2022 11:56

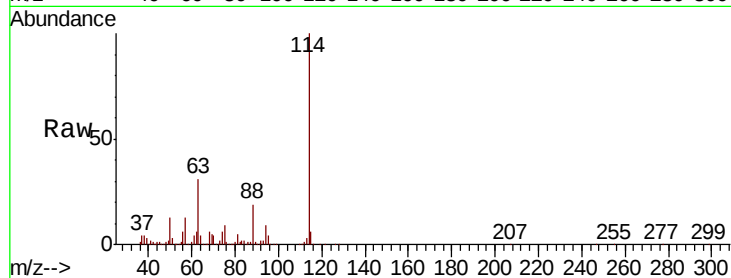
Tot Ion:114 Resp: 2190789

Ion Ratio Lower Upper

114 100

63 30.3 22.6 33.8

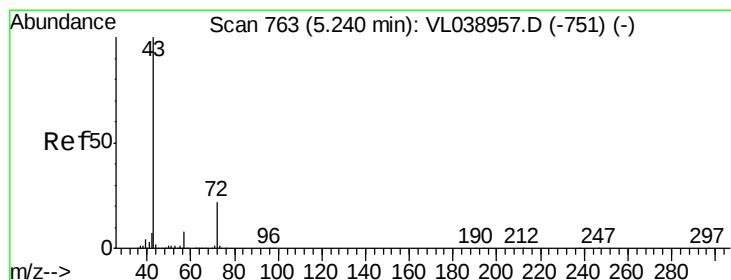
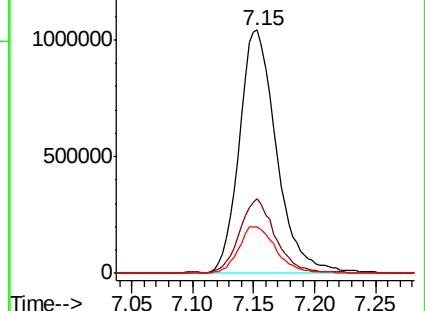
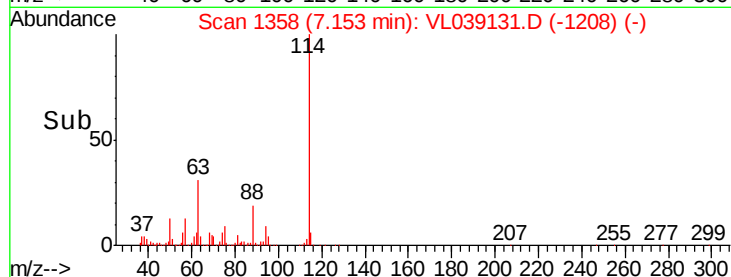
88 19.6 15.4 23.0



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 12.972 ppbv

RT: 5.22 min Scan# 758

Delta R.T. -0.02 min

Lab File: VL039131.D

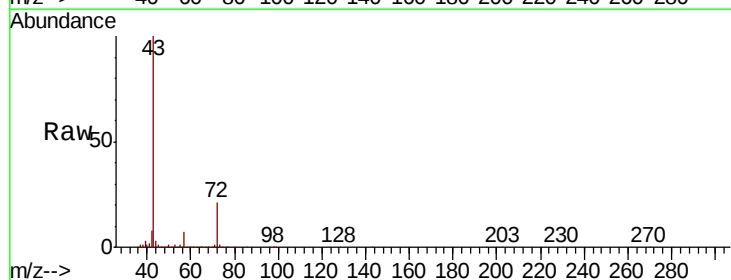
Acq: 26 May 2022 11:56

Tgt Ion: 43 Resp: 1449813

Ion Ratio Lower Upper

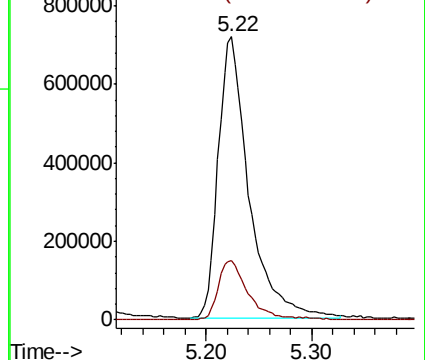
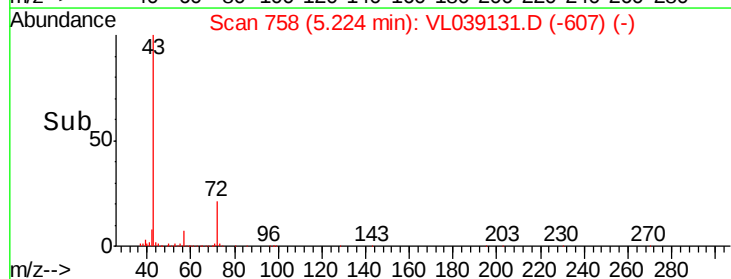
43 100

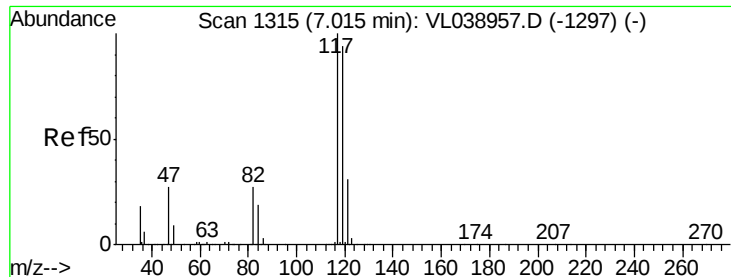
72 21.1 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

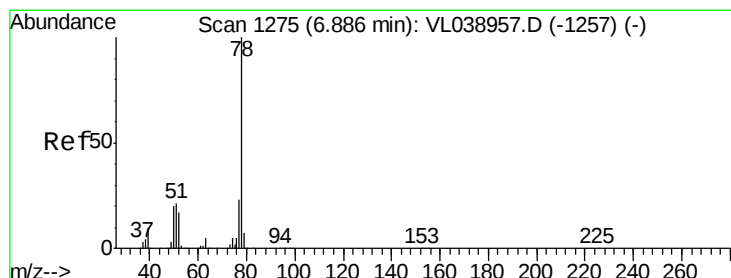
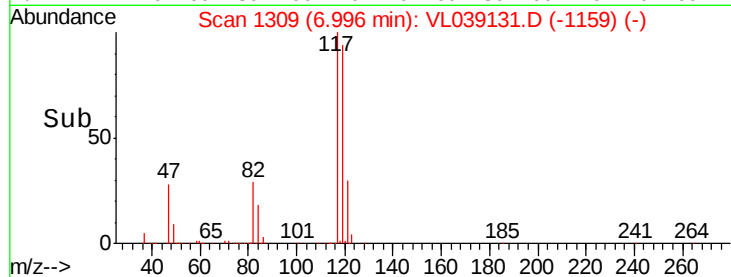
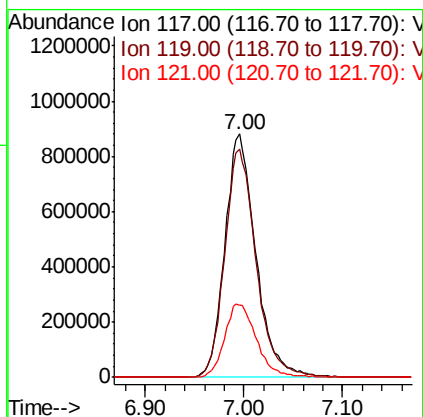
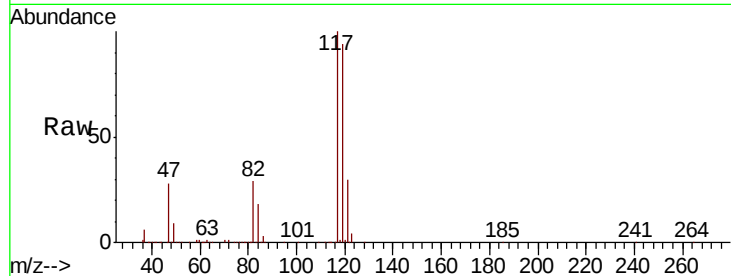




#35
Carbon Tetrachloride
Concen: 13.406 ppbv
RT: 7.00
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010EC
Acq: 26 May 2022 11:56

Tot Ion:117 Resp: 1935159

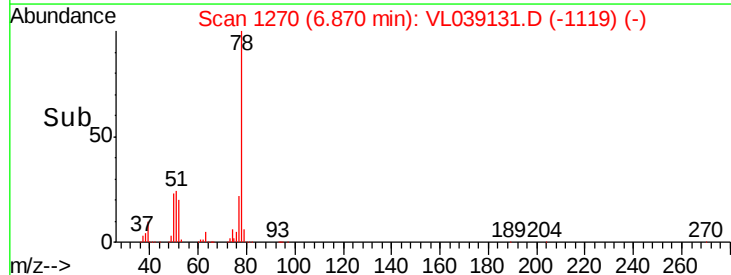
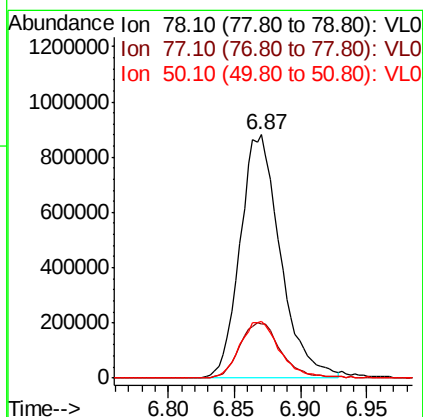
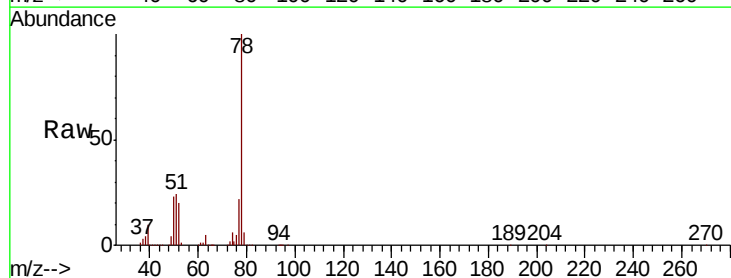
Ion	Ratio	Lower	Upper
117	100		
119	93.7	75.2	112.8
121	29.8	24.6	37.0

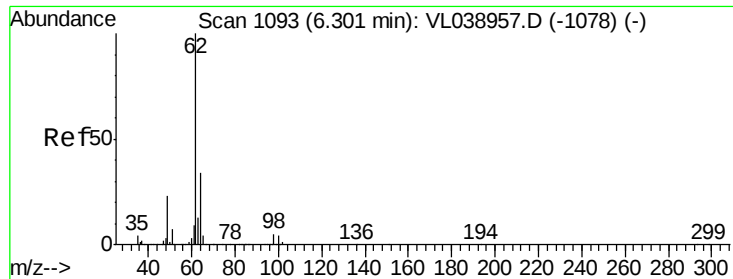


#36
Benzene
Concen: 9.956 ppbv
RT: 6.87 min Scan# 1270
Delta R.T. -0.02 min
Lab File: VL039131.D
Acq: 26 May 2022 11:56

Tgt Ion: 78 Resp: 1866649

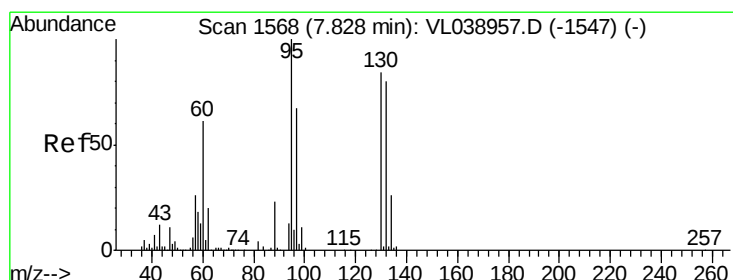
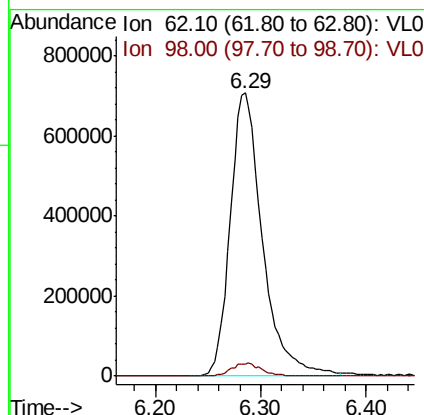
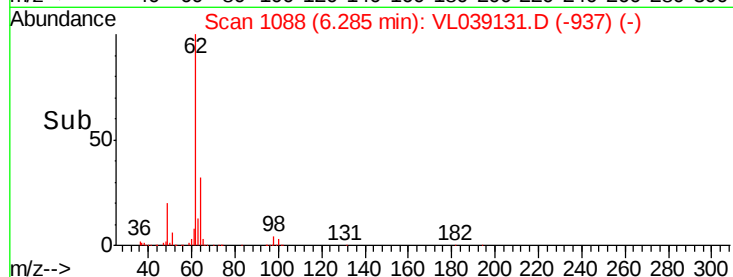
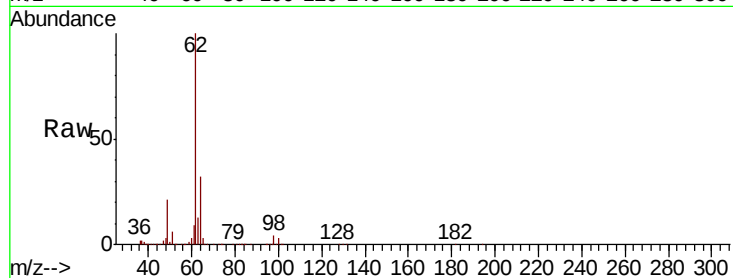
Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.6	28.0
50	23.2	15.6	23.4





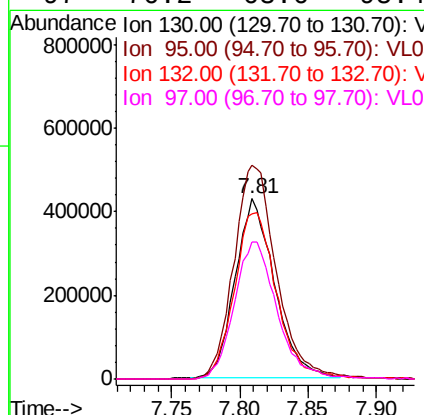
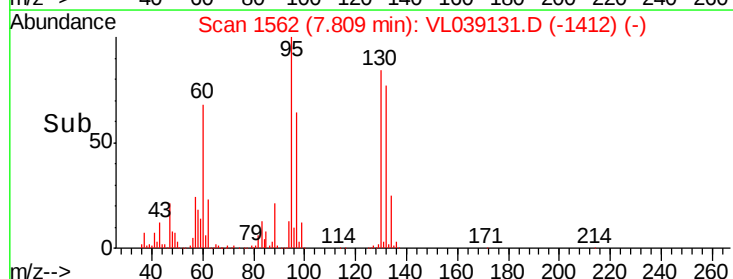
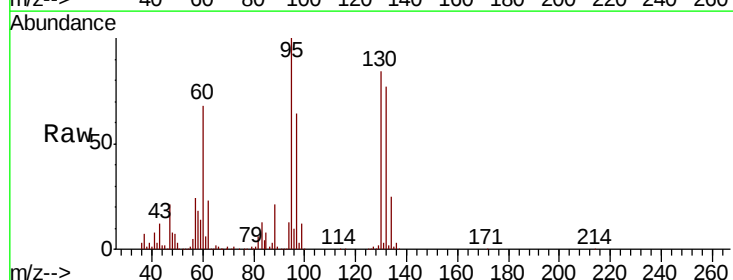
#37
 1,2-Dichloroethane
 Concen: 12.943 ppbv
 RT: 6.29
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 26 May 2022 11:56

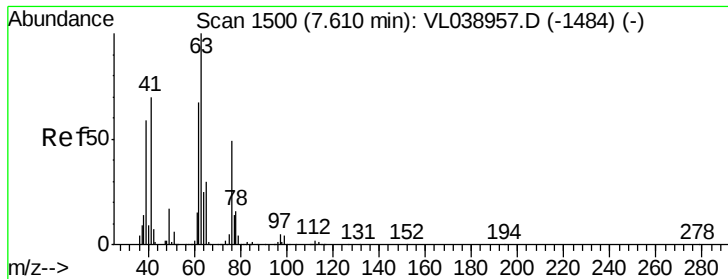
Tot Ion: 62 Resp: 1501368
 Ion Ratio Lower Upper
 62 100
 98 4.6 4.5 6.7



#38
 Trichloroethene
 Concen: 10.369 ppbv
 RT: 7.81 min Scan# 1562
 Delta R.T. -0.02 min
 Lab File: VL039131.D
 Acq: 26 May 2022 11:56

Tgt Ion:130 Resp: 864192
 Ion Ratio Lower Upper
 130 100
 95 118.8 94.8 142.2
 132 91.9 75.8 113.8
 97 76.2 63.6 95.4





#39

1,2-Dichloropropane

Concen: 10.264 ppbv

RT: 7.59 Instrument:

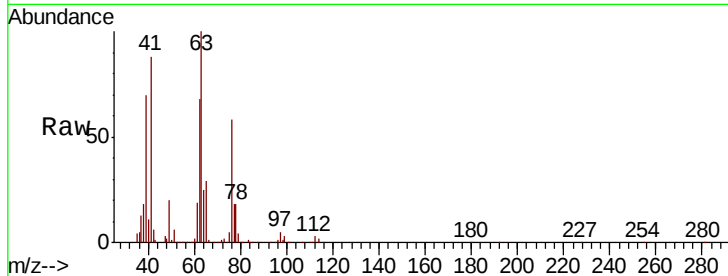
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

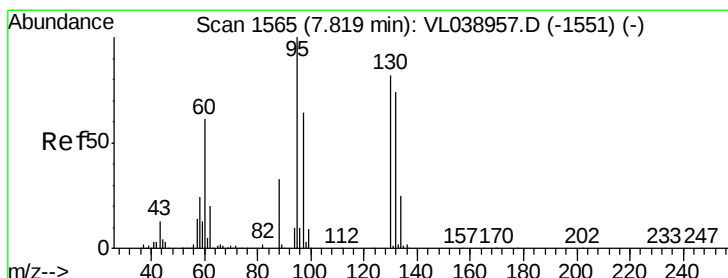
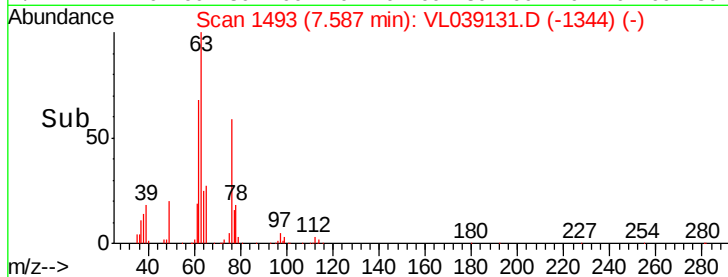
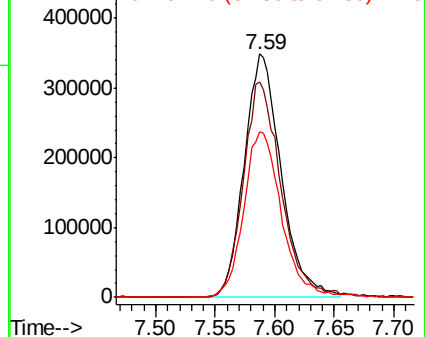
Acq: 26 May 2022 11:56 VSTDCCC010EC

Tot Ion: 63 Resp: 748766

Ion	Ratio	Lower	Upper
63	100		
41	88.2	55.9	83.9#
62	67.9	53.8	80.6



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: 10.696 ppbv

RT: 7.80 min Scan# 1560

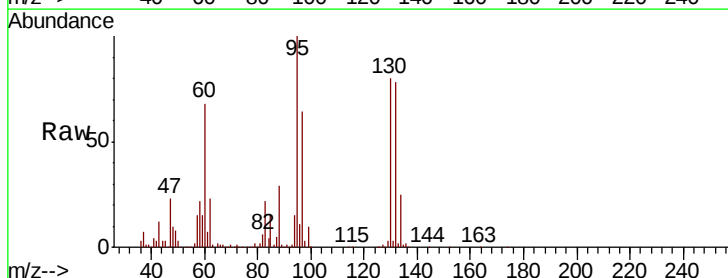
Delta R.T. -0.02 min

Lab File: VL039131.D

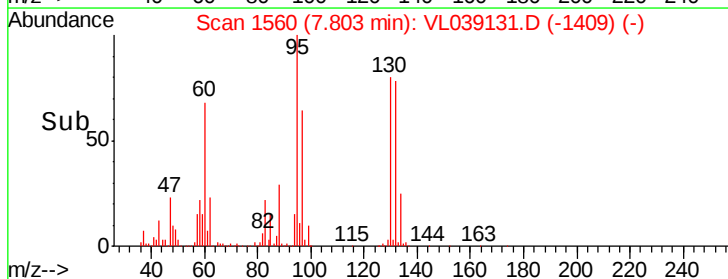
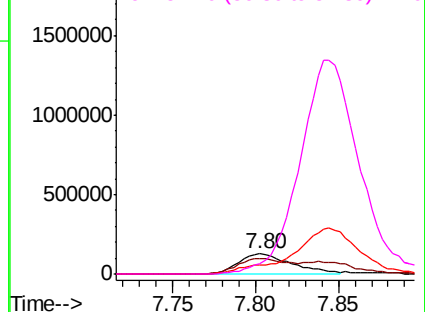
Acq: 26 May 2022 11:56

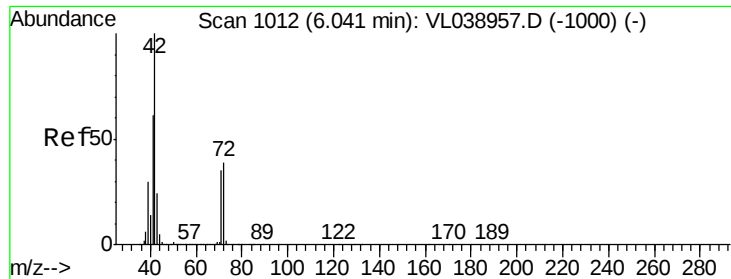
Tgt Ion: 88 Resp: 280234

Ion	Ratio	Lower	Upper
88	100		
58	137.2	106.1	159.1
43	0.0	222.9	334.3#
57	0.0	957.6	1436.4#



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





#41

Tetrahydrofuran

Concen: 10.228 ppbv

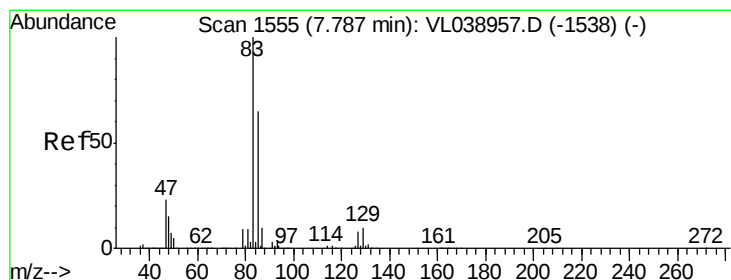
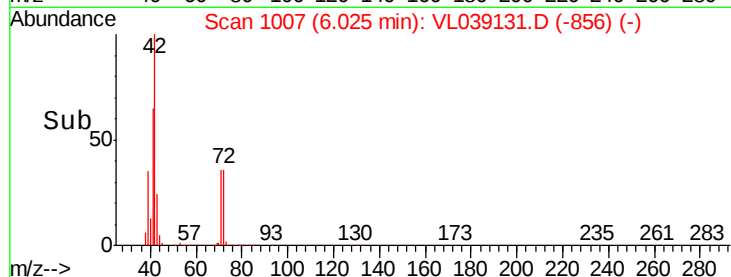
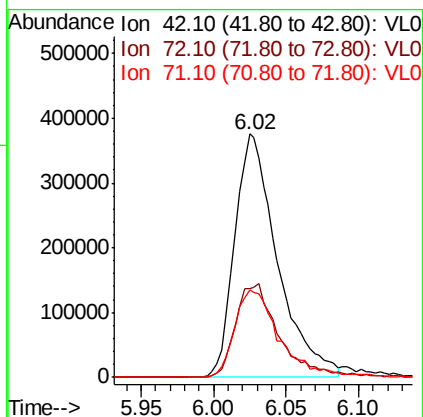
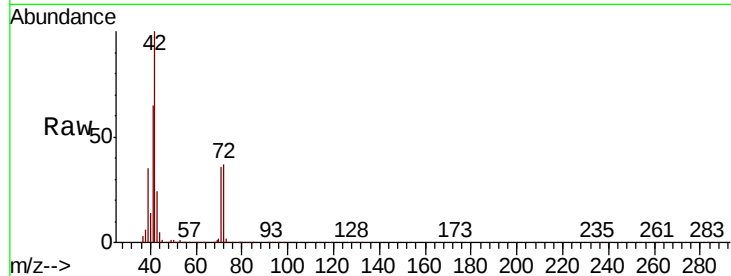
RT: 6.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 26 May 2022 11:56

Tot Ion:	42	Resp:	768319
Ion	Ratio	Lower	Upper
42	100		
72	39.7	31.8	47.6
71	38.4	30.6	45.8



#42

Bromodichloromethane

Concen: 12.020 ppbv

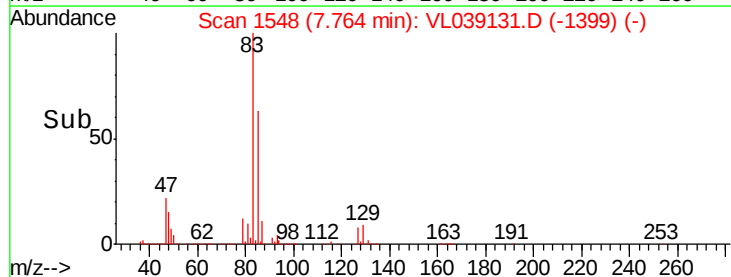
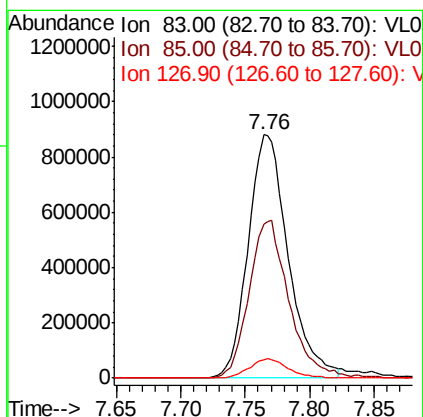
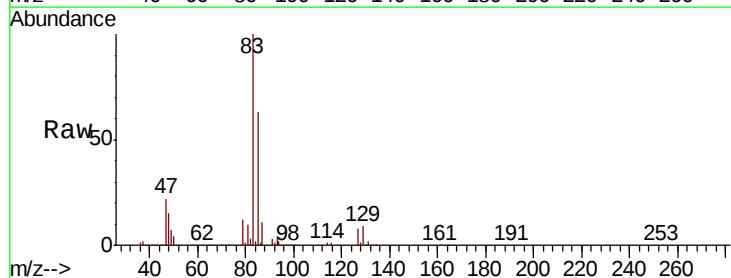
RT: 7.76 min Scan# 1548

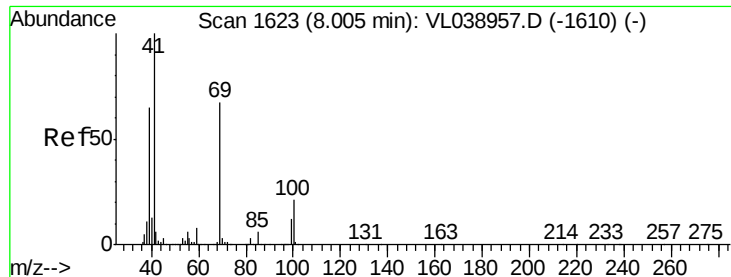
Delta R.T. -0.02 min

Lab File: VL039131.D

Acq: 26 May 2022 11:56

Tgt Ion:	83	Resp:	1906231
Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.0	78.0
127	7.5	6.0	9.0





#43

Methyl Methacrylate

Concen: 10.841 ppbv

RT: 7.99 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

VSTDCCC010EC

Acq: 26 May 2022 11:56

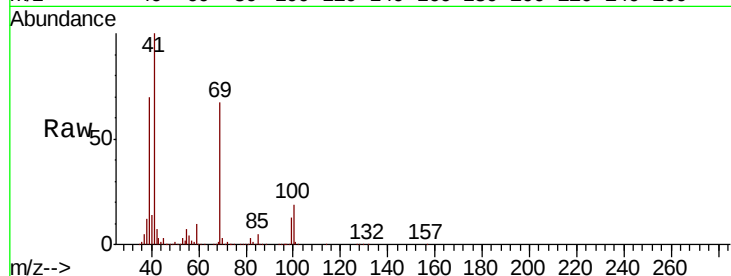
Tot Ion: 69 Resp: 825173

Ion Ratio Lower Upper

69 100

41 157.3 121.9 182.9

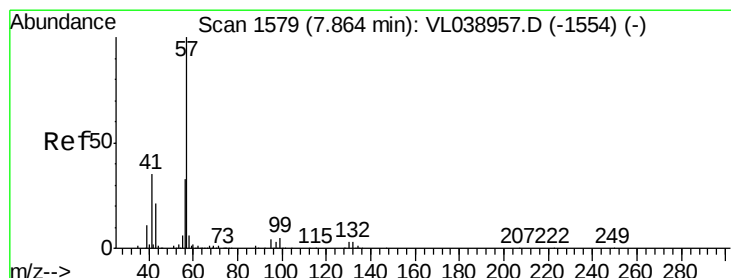
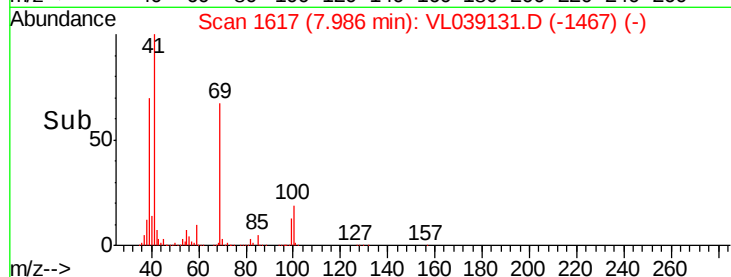
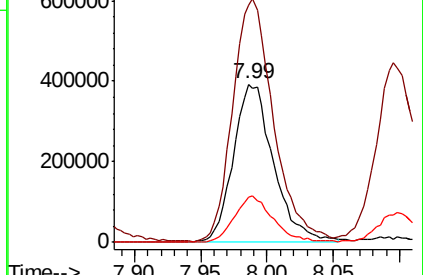
100 28.4 24.6 36.8



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 10.254 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.02 min

Lab File: VL039131.D

Acq: 26 May 2022 11:56

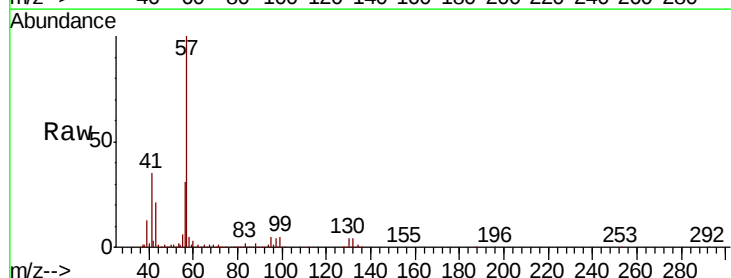
Tgt Ion: 57 Resp: 3373231

Ion Ratio Lower Upper

57 100

41 35.4 26.3 39.5

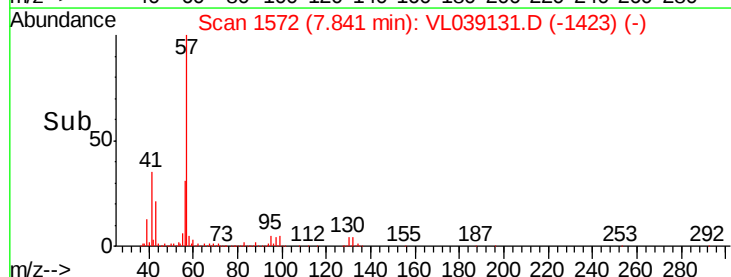
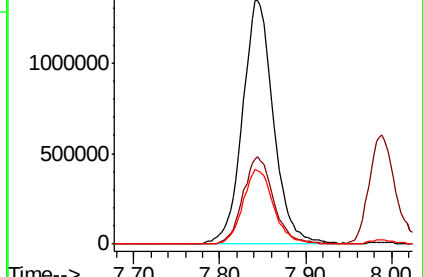
56 30.3 24.6 37.0

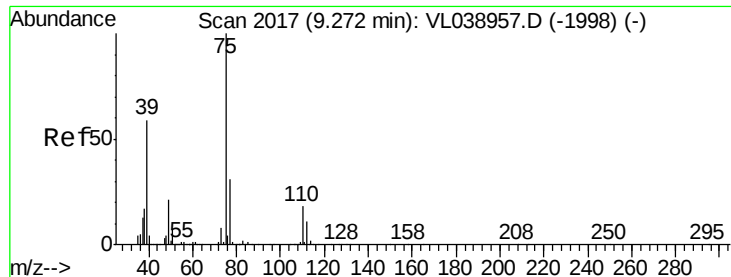


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 13.686 ppbv

RT: 9.25 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

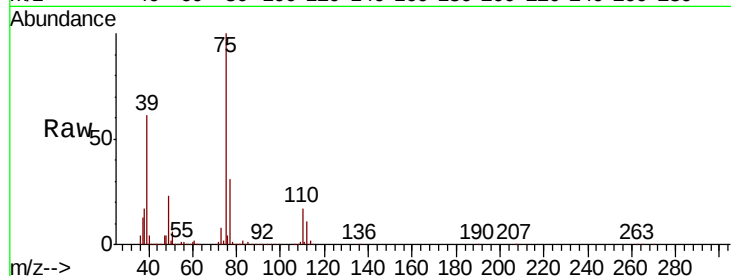
Acq: 26 May 2022 11:50

Tot Ion: 75 Resp: 1008350

Ion Ratio Lower Upper

75 100

77 31.2 24.6 37.0



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.25

500000

400000

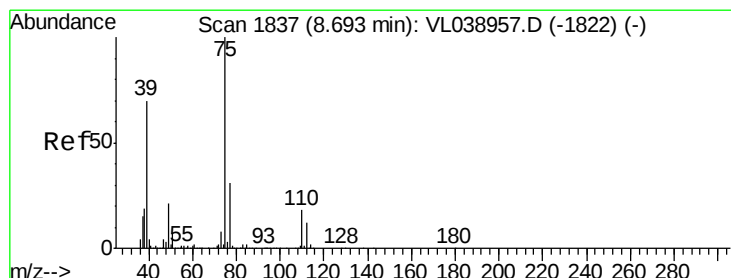
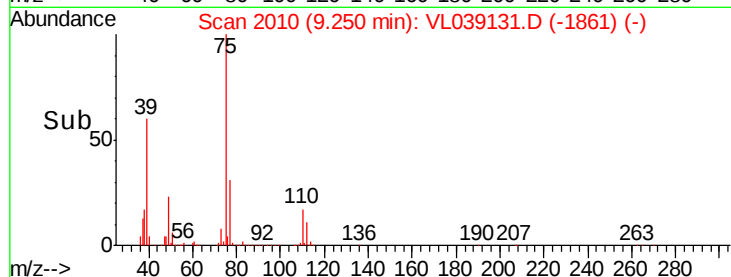
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 12.342 ppbv

RT: 8.68 min Scan# 1832

Delta R.T. -0.02 min

Lab File: VL039131.D

Acq: 26 May 2022 11:56

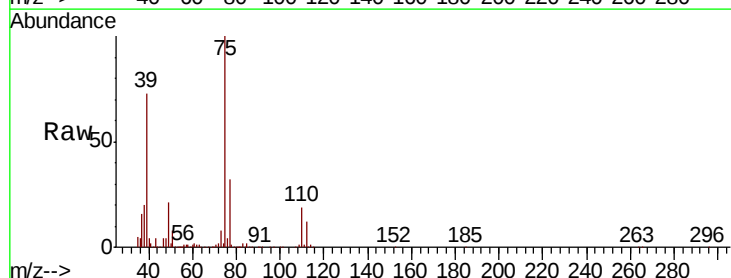
Tgt Ion: 75 Resp: 1205824

Ion Ratio Lower Upper

75 100

39 73.1 55.8 83.6

77 31.5 24.8 37.2



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

800000

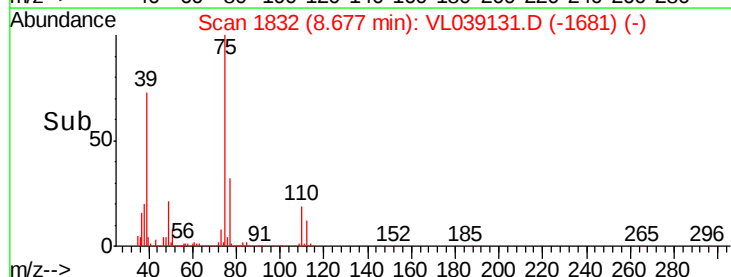
600000

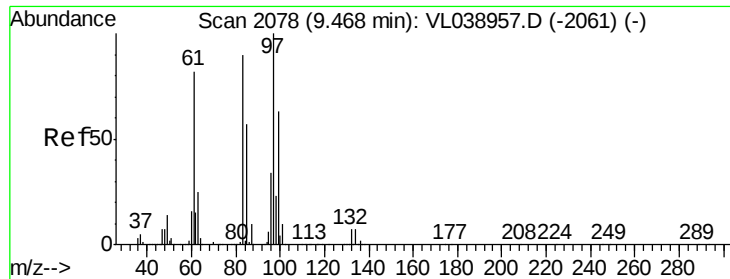
400000

200000

0

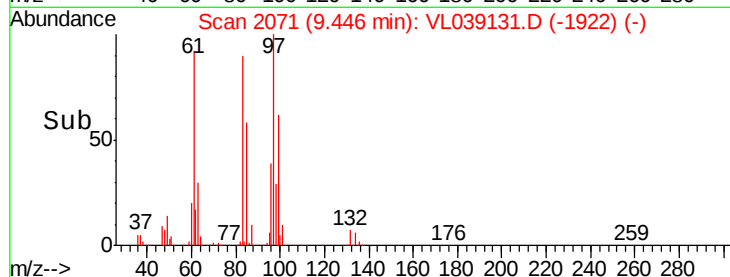
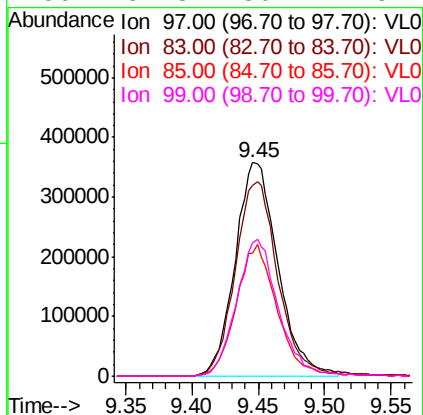
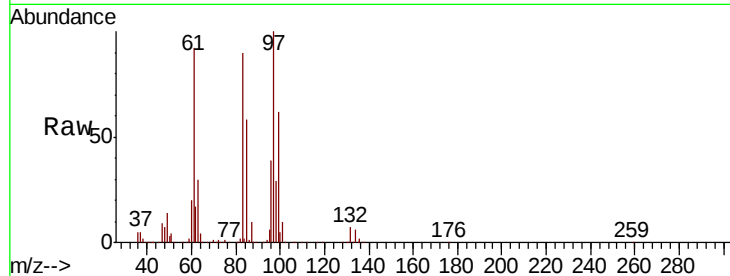
Time-->





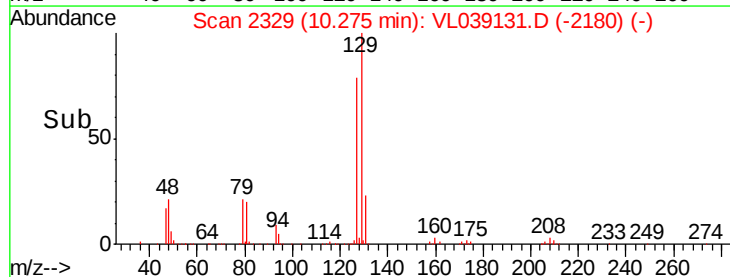
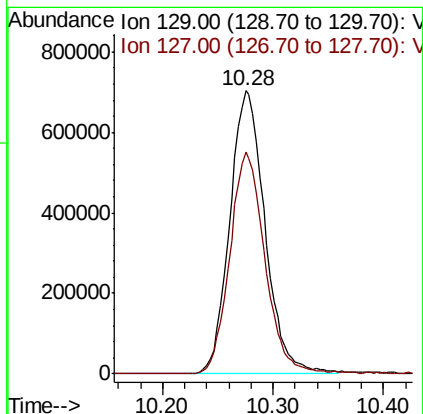
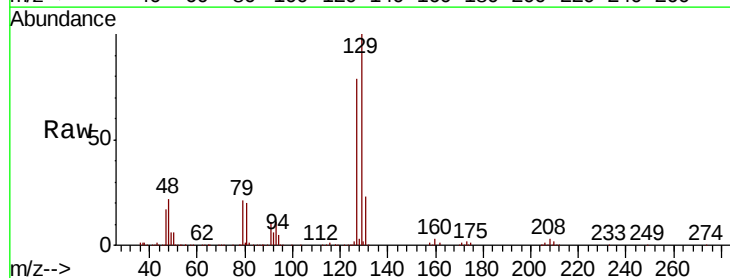
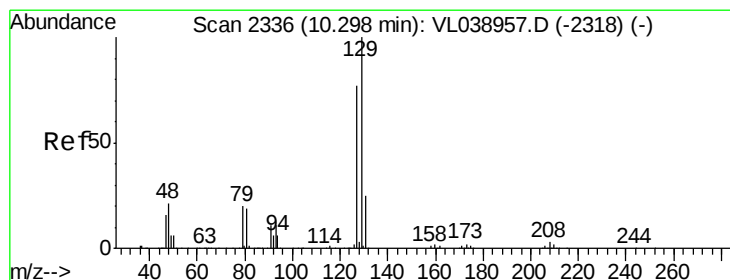
#47
 1,1,2-Trichloroethane
 Concen: 10.573 ppbv
 RT: 9.45 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 26 May 2022 11:56

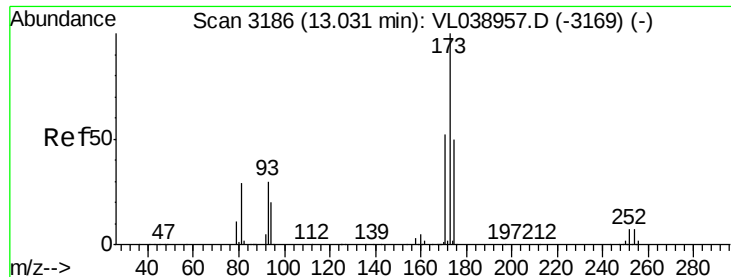
Tot Ion:	97	Resp:	802187
Ion	Ratio	Lower	Upper
97	100		
83	89.4	72.0	108.0
85	57.7	45.7	68.5
99	62.3	50.2	75.4



#48
 Dibromochloromethane
 Concen: 12.593 ppbv
 RT: 10.28 min Scan# 2329
 Delta R.T. -0.02 min
 Lab File: VL039131.D
 Acq: 26 May 2022 11:56

Tgt Ion:	129	Resp:	1555134
Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.3	117.9





#49

Bromoform

Concen: 13.188 ppbv

RT: 13.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

VSTDCCC010EC

Acq: 26 May 2022 11:50

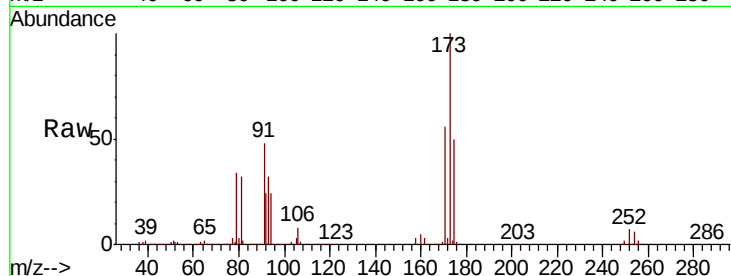
Tot Ion:173 Resp: 1242079

Ion Ratio Lower Upper

173 100

175 50.4 41.0 61.6

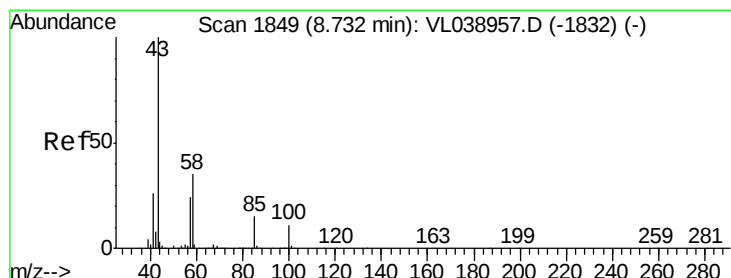
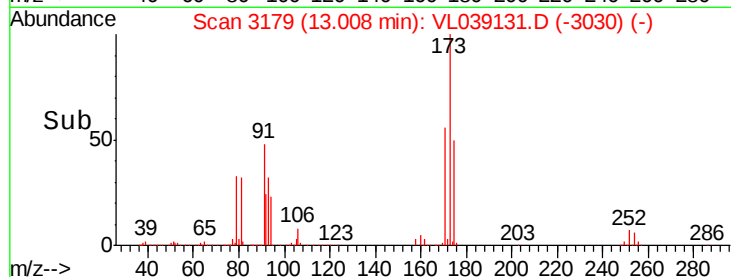
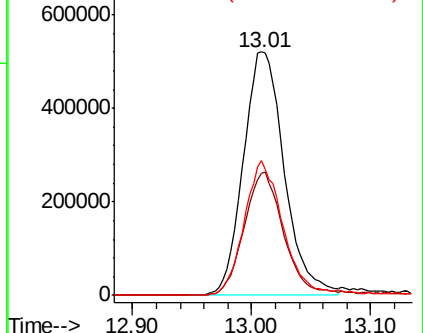
171 54.0 42.6 64.0



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: 10.971 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. -0.02 min

Lab File: VL039131.D

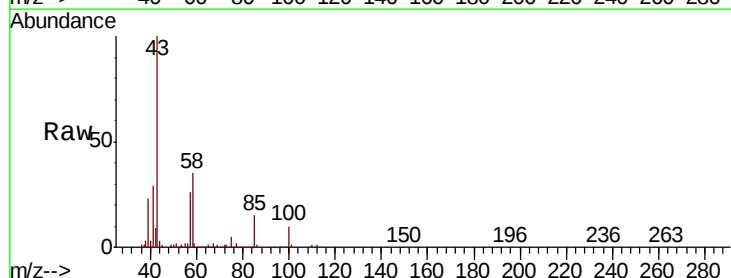
Acq: 26 May 2022 11:56

Tgt Ion: 43 Resp: 2150106

Ion Ratio Lower Upper

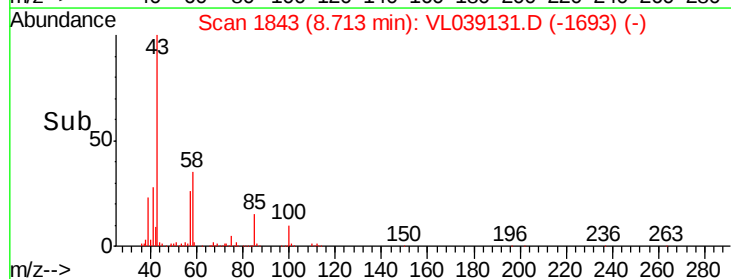
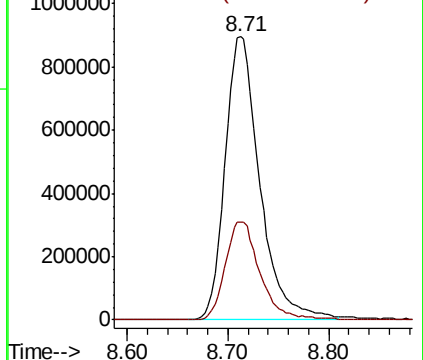
43 100

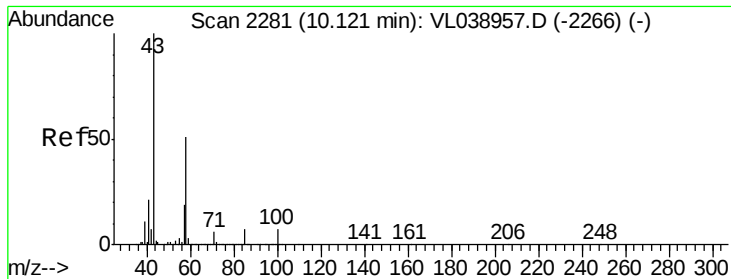
58 35.1 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

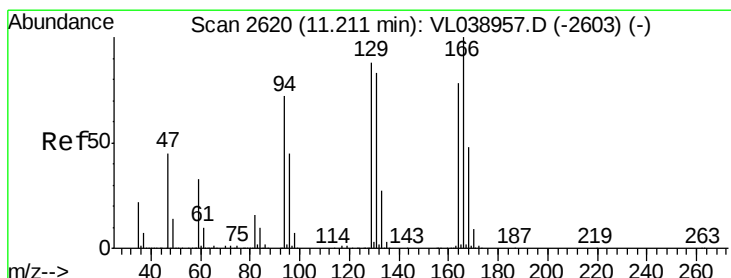
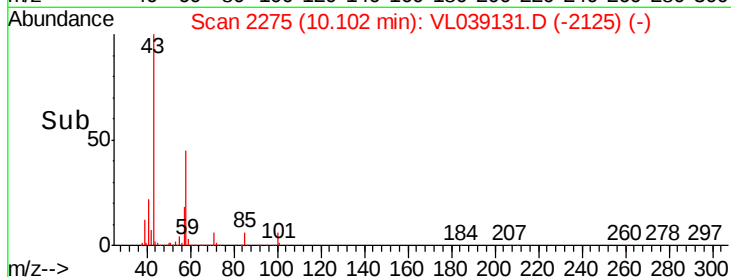
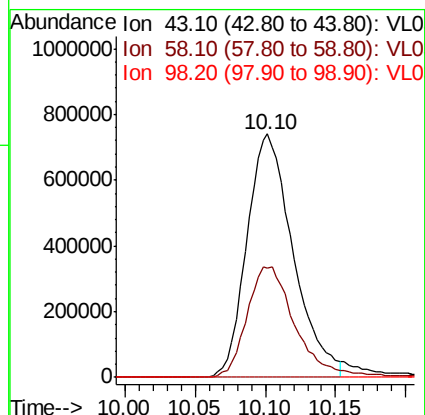
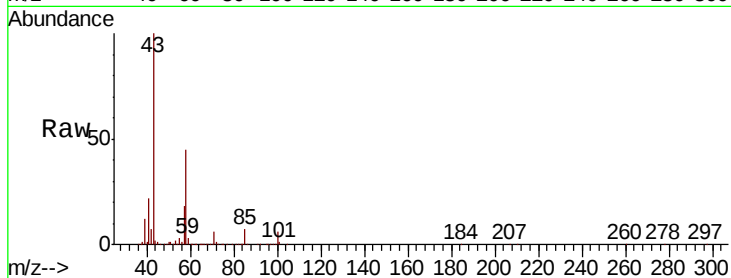
Ion 58.10 (57.80 to 58.80): VL0





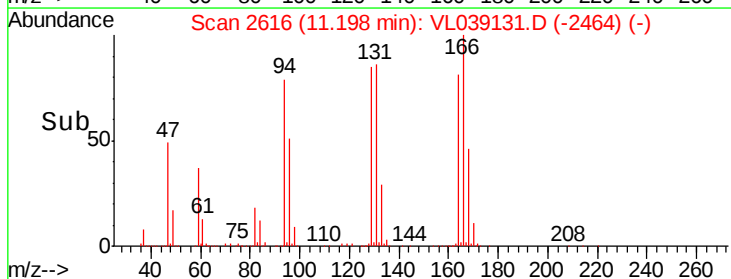
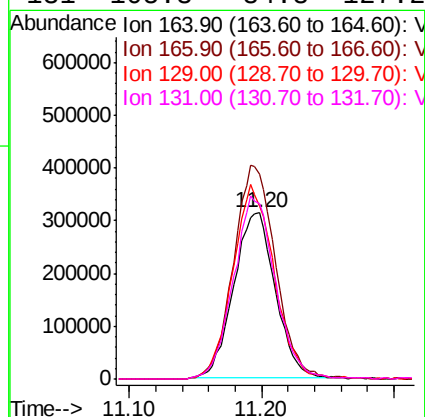
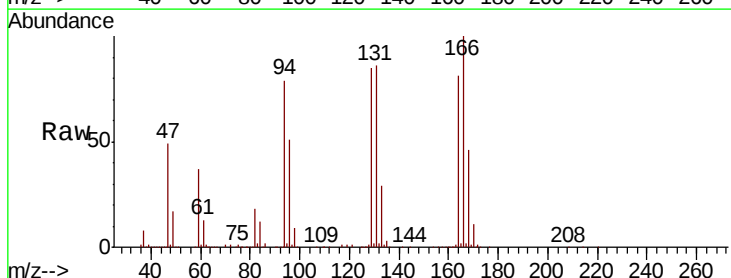
#51
2-Hexanone
Concen: 11.861 ppbv
RT: 10.10 min
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 26 May 2022 11:56

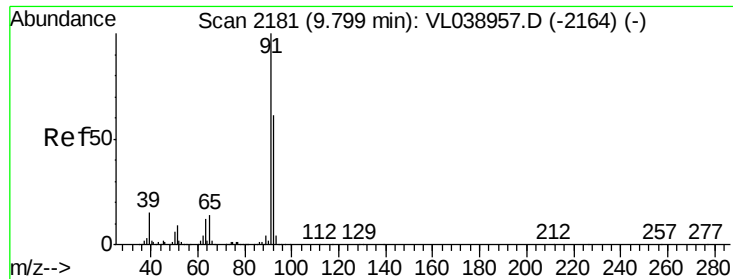
Tot Ion: 43 Resp: 1696667
Ion Ratio Lower Upper
43 100
58 48.0 39.3 58.9
98 0.3 0.2 0.2#



#52
Tetrachloroethene
Concen: 10.202 ppbv
RT: 11.20 min Scan# 2616
Delta R.T.: -0.01 min
Lab File: VL039131.D
Acq: 26 May 2022 11:56

Tgt Ion: 164 Resp: 683486
Ion Ratio Lower Upper
164 100
166 122.6 102.5 153.7
129 103.7 90.1 135.1
131 105.3 84.8 127.2





#53

Toluene

Concen: 10.618 ppbv

RT: 9.78 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

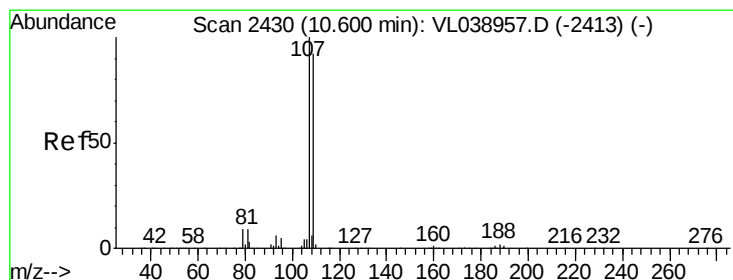
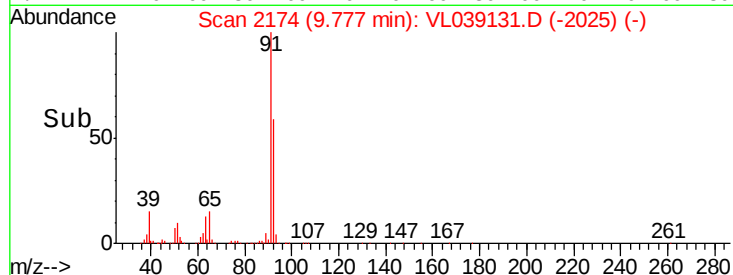
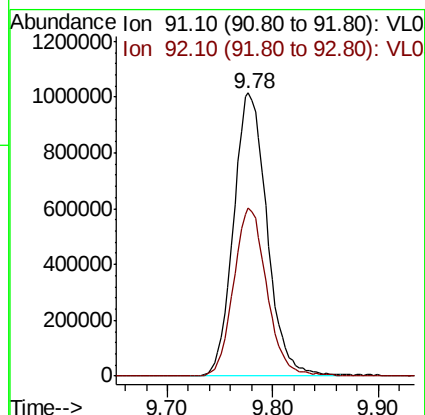
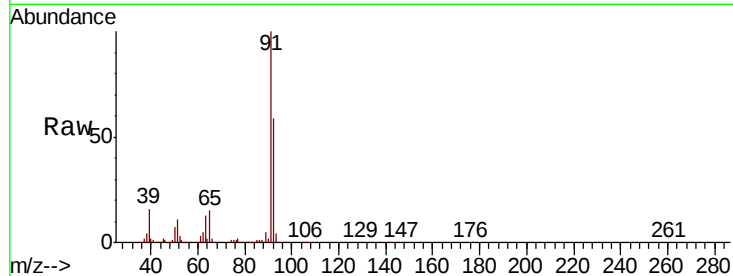
Acq: 26 May 2022 11:56 VSTDCCC010EC

Tot Ion: 91 Resp: 2231208

Ion Ratio Lower Upper

91 100

92 59.3 48.2 72.2



#54

1,2-Dibromoethane

Concen: 11.327 ppbv

RT: 10.58 min Scan# 2424

Delta R.T. -0.02 min

Lab File: VL039131.D

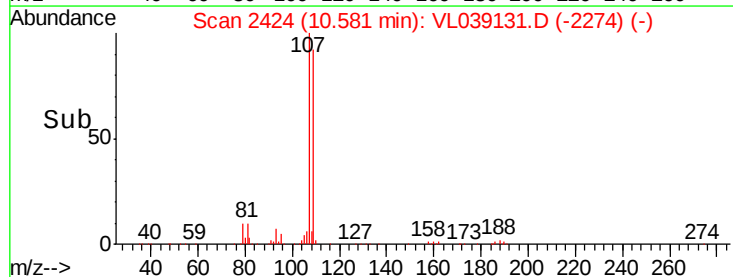
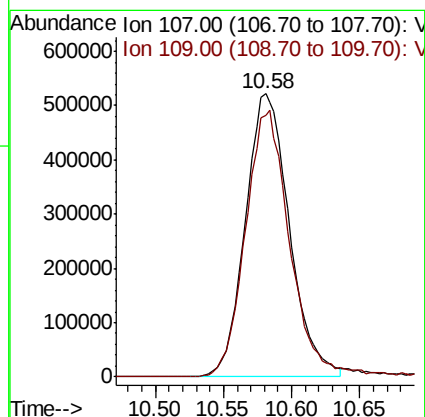
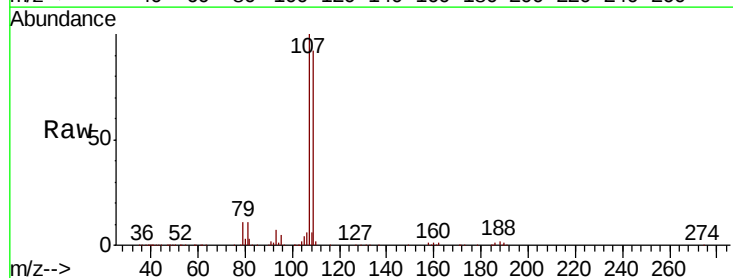
Acq: 26 May 2022 11:56

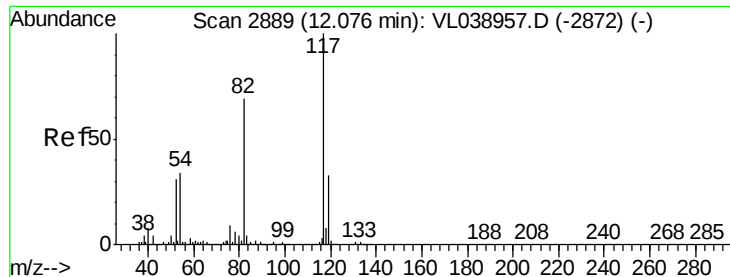
Tgt Ion: 107 Resp: 1169944

Ion Ratio Lower Upper

107 100

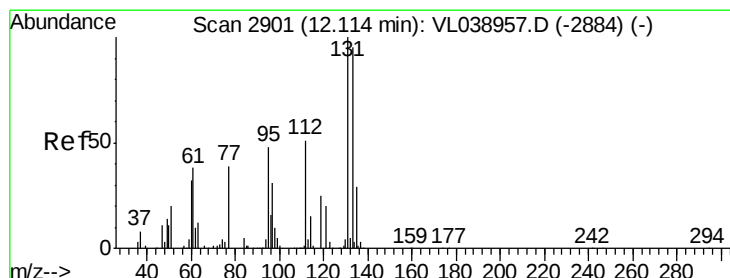
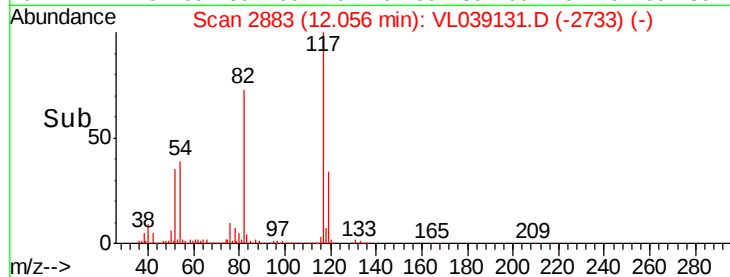
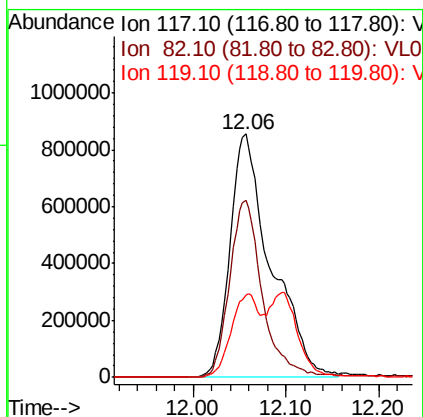
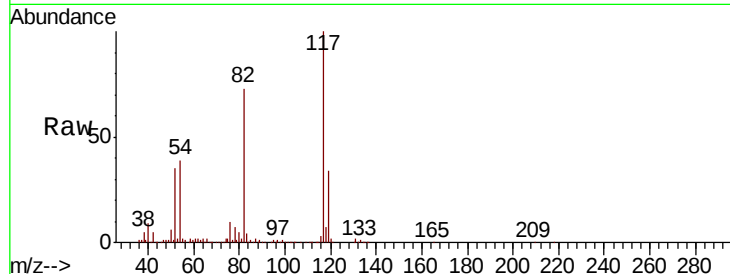
109 92.4 73.8 110.8





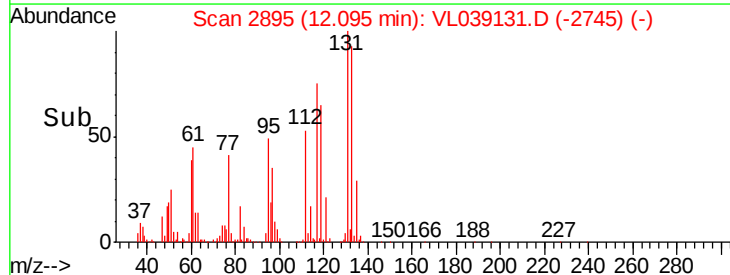
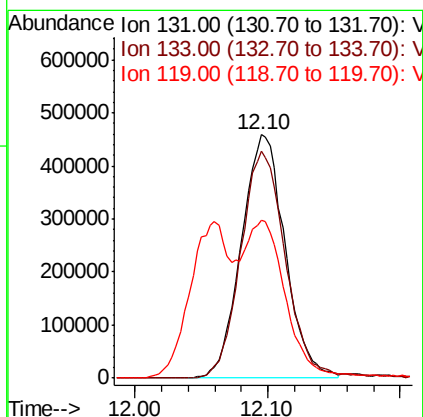
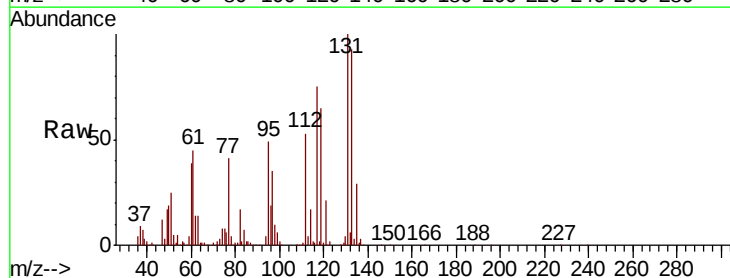
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min
Instrument: MSVOA_1
Delta R.T.:
ClientSampleId:
Lab File: VSTDCCC010EC
Acq: 26 May 2022 11:58

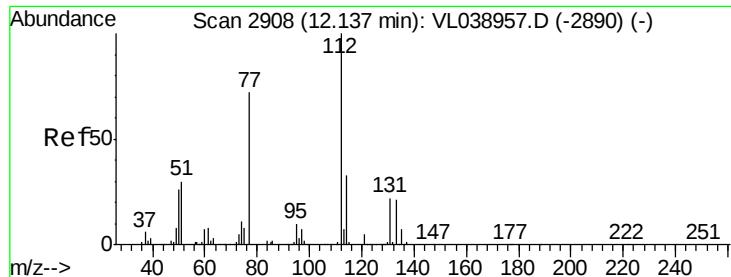
Tot Ion:117 Resp: 2632237
Ion Ratio Lower Upper
117 100
82 59.1 57.0 85.6
119 24.1 27.2 40.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 9.120 ppbv
RT: 12.10 min Scan# 2895
Delta R.T.: -0.02 min
Lab File: VL039131.D
Acq: 26 May 2022 11:56

Tgt Ion:131 Resp: 1053266
Ion Ratio Lower Upper
131 100
133 97.1 76.9 115.3
119 60.2 47.4 71.0

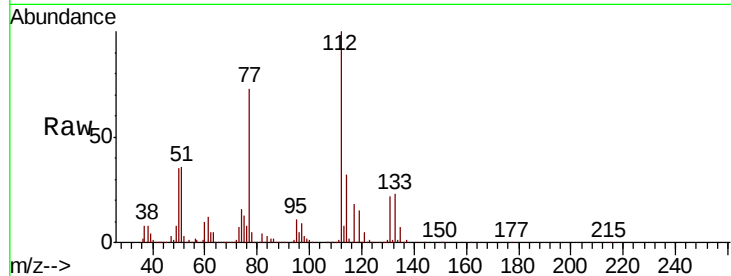




#57
Chlorobenzene
Concen: 8.431 ppbv
RT: 12.12 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 26 May 2022 11:56

Tot Ion: 112 Resp: 1663608

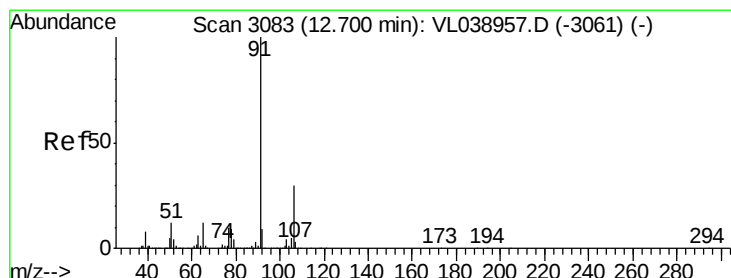
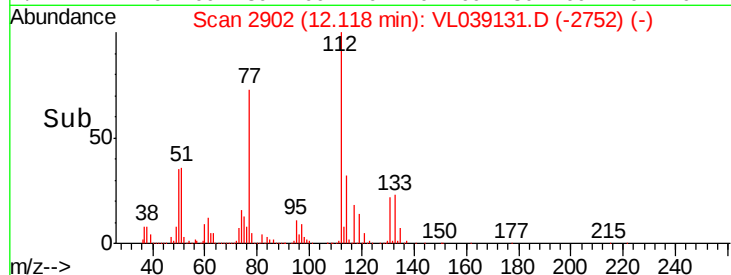
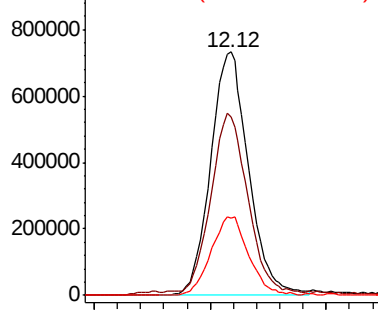
Ion	Ratio	Lower	Upper
112	100		
77	72.0	57.7	86.5
114	31.8	30.1	36.7



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

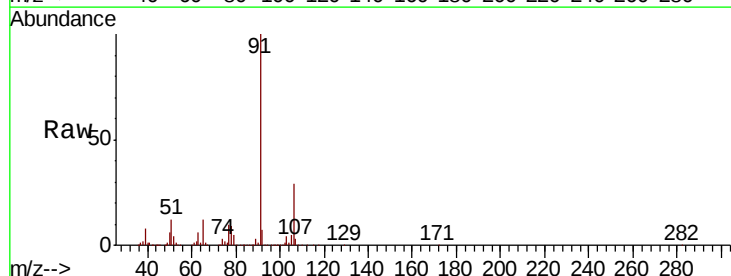
Ion 114.10 (113.80 to 114.80): V



#58
Ethyl Benzene
Concen: 8.272 ppbv
RT: 12.68 min Scan# 3077
Delta R.T.: -0.02 min
Lab File: VL039131.D
Acq: 26 May 2022 11:56

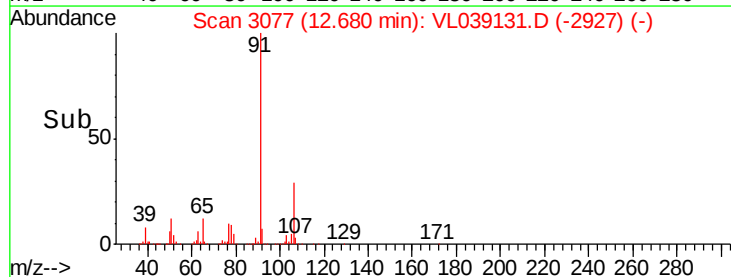
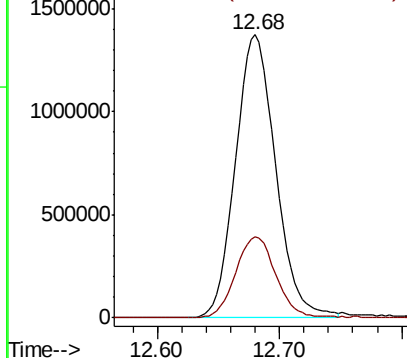
Tgt Ion: 91 Resp: 3133581

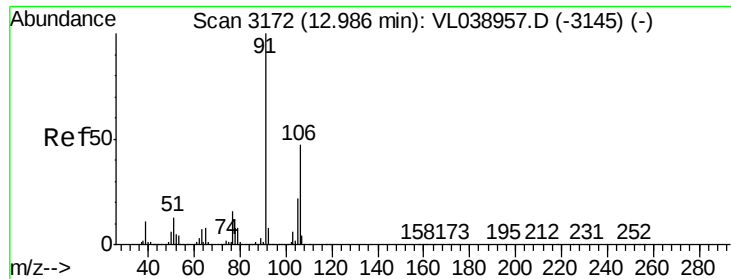
Ion	Ratio	Lower	Upper
91	100		
106	28.6	24.2	36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

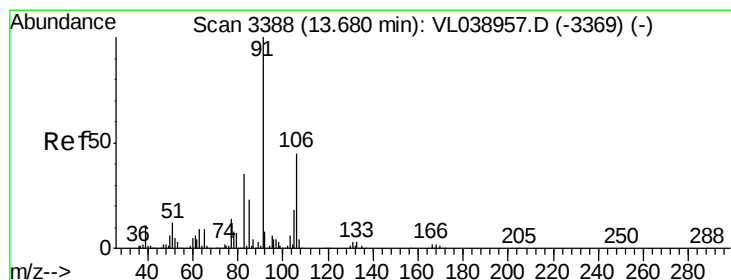
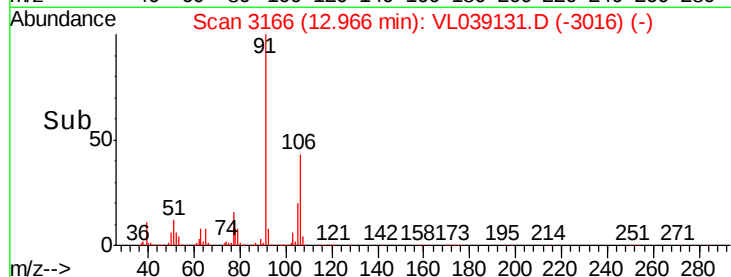
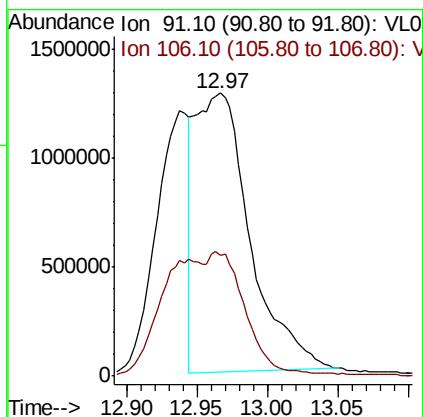
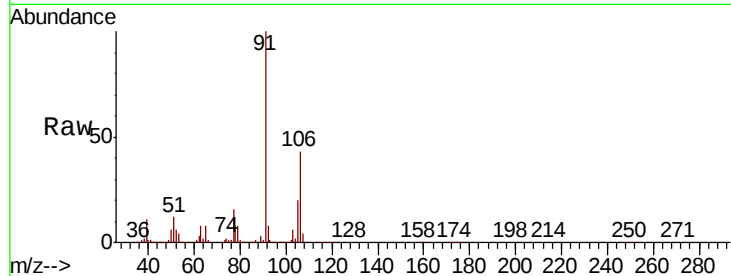
Ion 106.10 (105.80 to 106.80): V





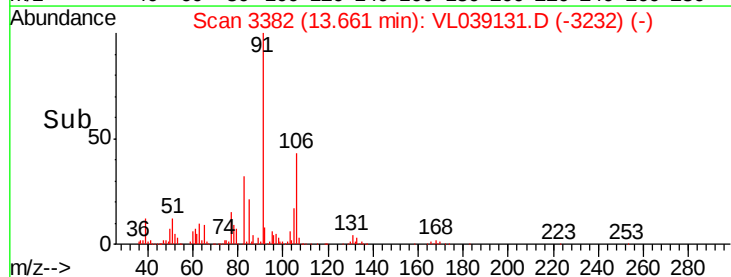
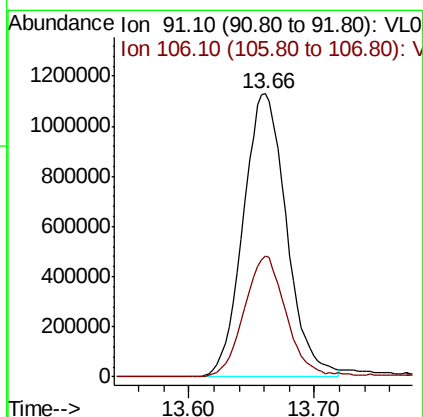
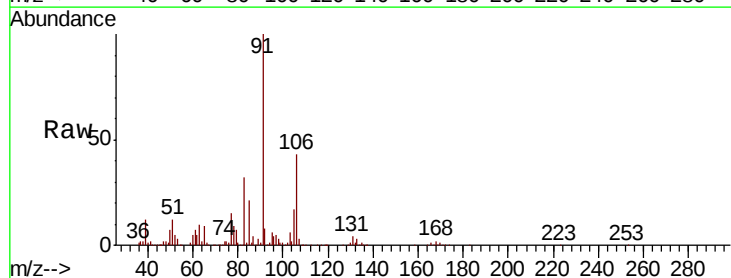
#59
m/p-Xylene
Concen: 10.650 ppbv
RT: 12.97
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010EC
Acq: 26 May 2022 11:50

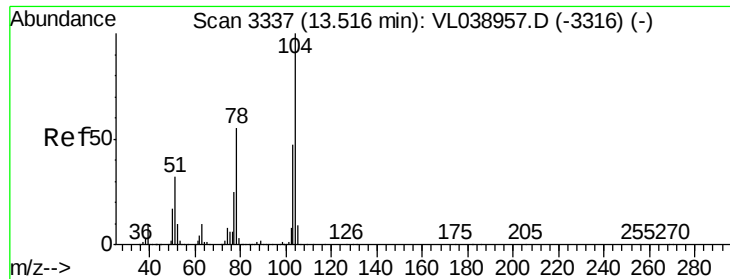
Tot Ion: 91 Resp: 3444013
Ion Ratio Lower Upper
91 100
106 66.1 34.6 52.0#



#60
o-Xylene
Concen: 8.891 ppbv
RT: 13.66 min Scan# 3382
Delta R.T.: -0.02 min
Lab File: VL039131.D
Acq: 26 May 2022 11:56

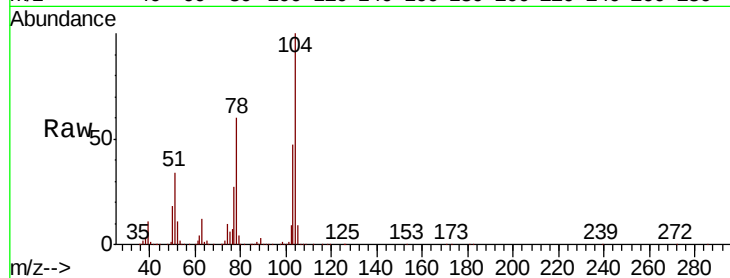
Tgt Ion: 91 Resp: 2706123
Ion Ratio Lower Upper
91 100
106 42.8 22.2 66.6



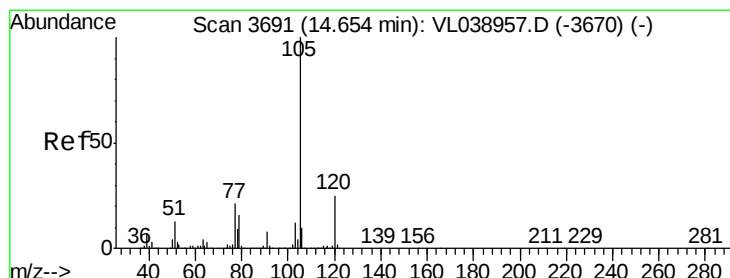
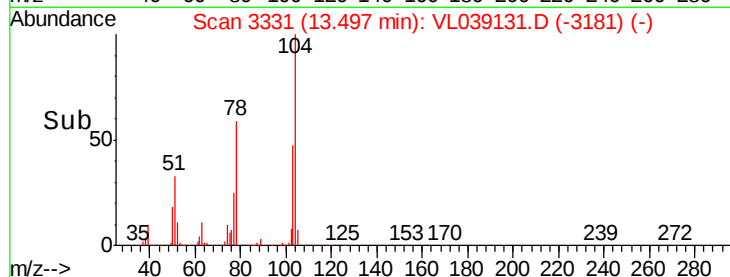
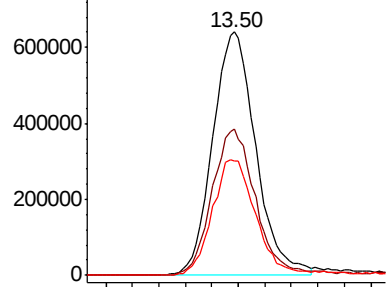


#61
Stvrene
Concen: 8.915 ppbv
RT: 13.50
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 26 May 2022 11:56

Tot Ion:104 Resp: 1448654
Ion Ratio Lower Upper
104 100
78 61.4 46.4 69.6
103 49.3 39.3 58.9

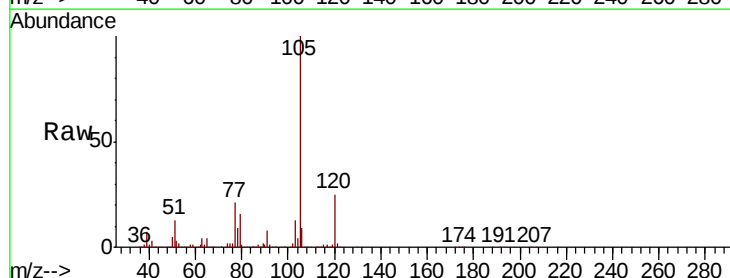


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

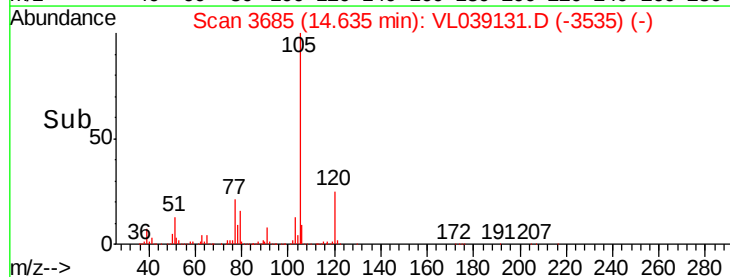
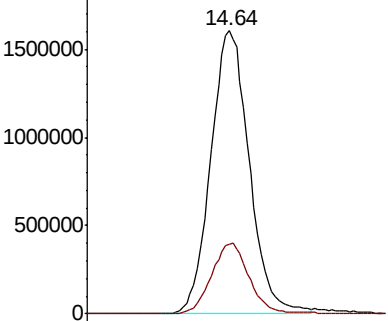


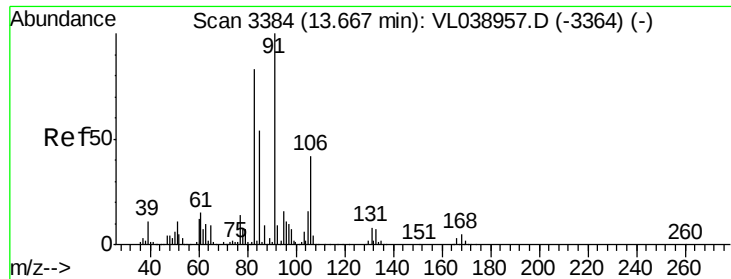
#62
Isopropylbenzene
Concen: 8.703 ppbv
RT: 14.64 min Scan# 3685
Delta R.T. -0.02 min
Lab File: VL039131.D
Acq: 26 May 2022 11:56

Tgt Ion:105 Resp: 3873653
Ion Ratio Lower Upper
105 100
120 24.8 20.5 30.7



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





#63

1,1,2,2-Tetrachloroethane

Concen: 8.500 ppbv

RT: 13.64

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDCCC010EC

Acq: 26 May 2022 11:50

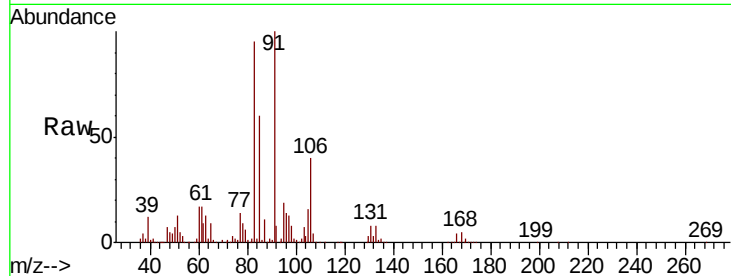
Tot Ion: 83 Resp: 1523491

Ion Ratio Lower Upper

83 100

131 9.6 4.5 13.7

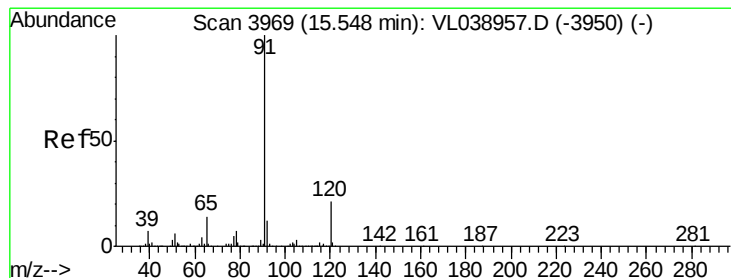
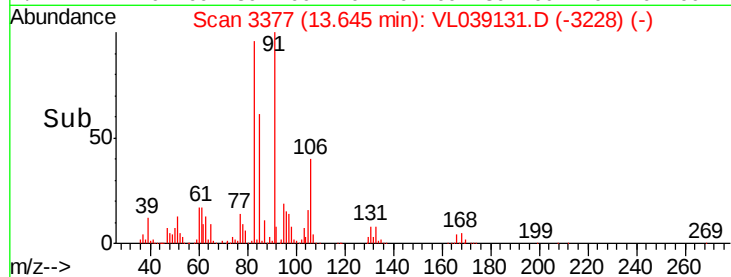
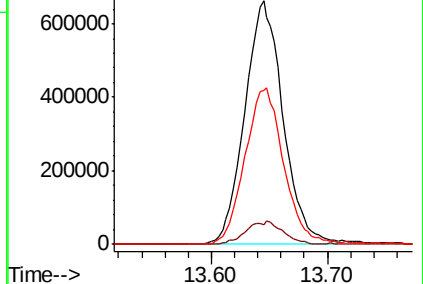
85 66.1 32.8 98.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.913 ppbv

RT: 15.53 min Scan# 3963

Delta R.T. -0.02 min

Lab File: VL039131.D

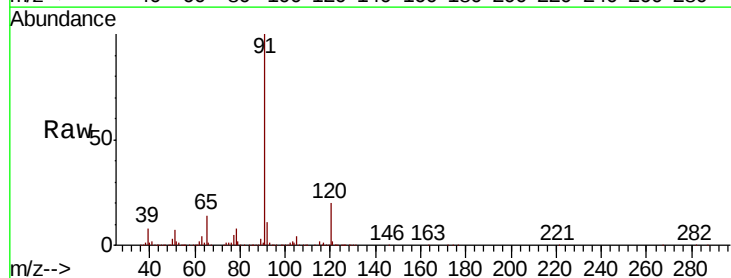
Acq: 26 May 2022 11:56

Tgt Ion:120 Resp: 959189

Ion Ratio Lower Upper

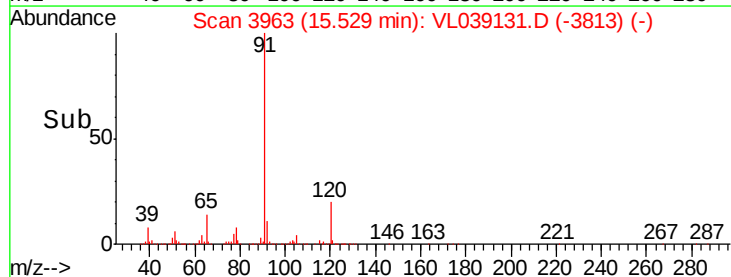
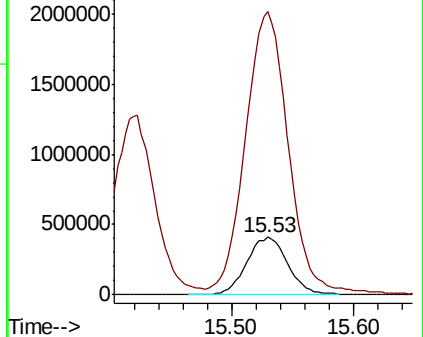
120 100

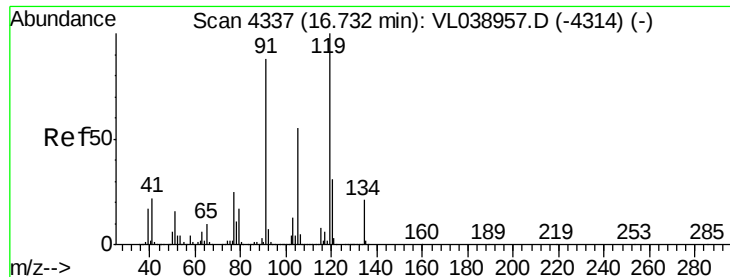
91 515.8 400.6 601.0



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

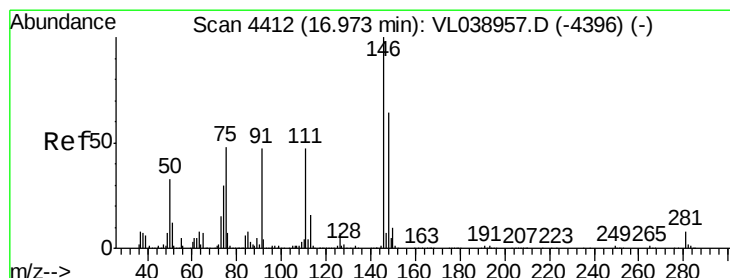
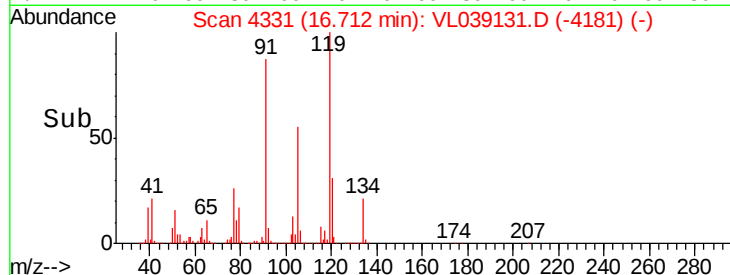
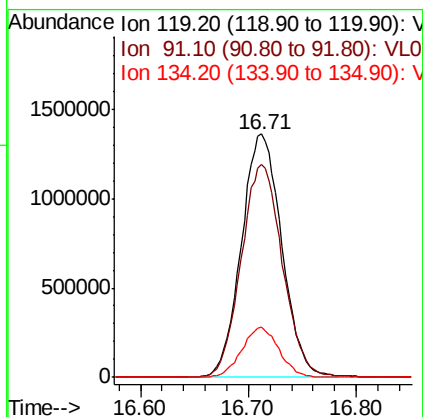
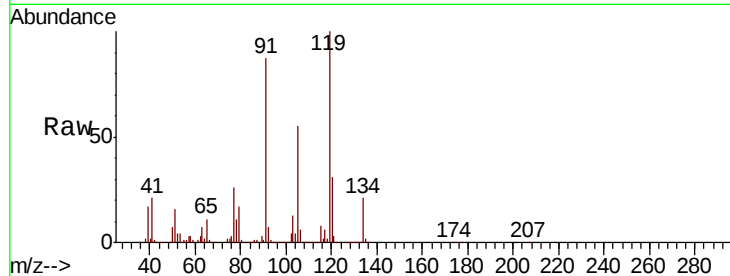




#65
 tert-Butylbenzene
 Concen: 9.073 ppbv
 RT: 16.71 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 26 May 2022 11:56

Tot Ion: 119 Resp: 3538352

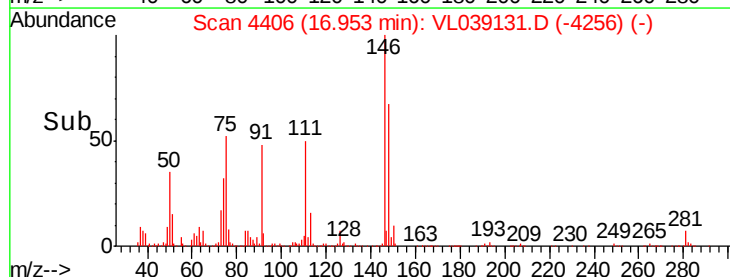
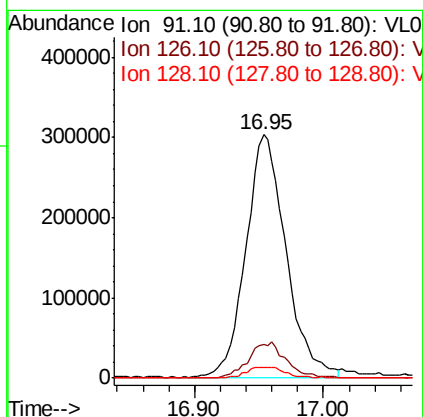
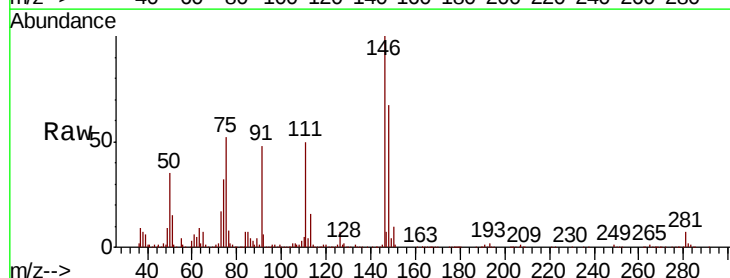
Ion	Ratio	Lower	Upper
119	100		
91	89.7	69.4	104.2
134	19.2	15.8	23.8

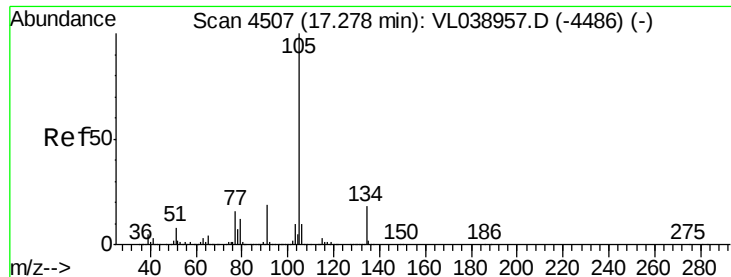


#66
 Benzyl Chloride
 Concen: 12.828 ppbv
 RT: 16.95 min Scan# 4406
 Delta R.T. -0.02 min
 Lab File: VL039131.D
 Acq: 26 May 2022 11:56

Tgt Ion: 91 Resp: 653928

Ion	Ratio	Lower	Upper
91	100		
126	14.5	11.8	17.6
128	4.8	4.2	6.2





#67

sec-Butylbenzene

Concen: 9.028 ppbv

RT: 17.26

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

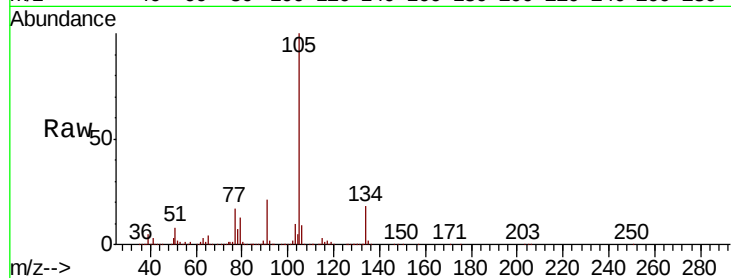
Acq: 26 May 2022 11:58

Tot Ion:105 Resp: 5030422

Ion Ratio Lower Upper

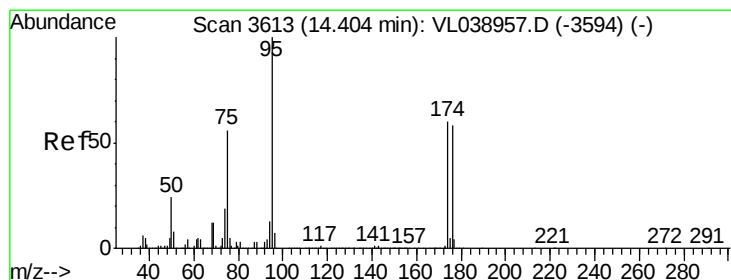
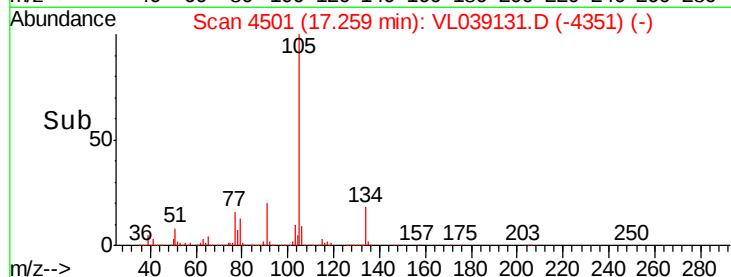
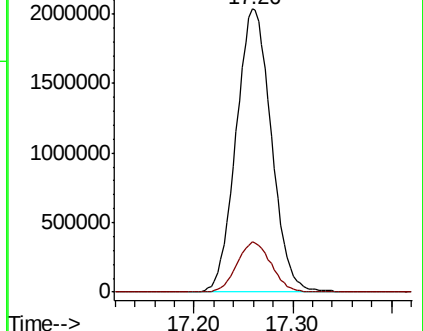
105 100

134 17.4 14.2 21.4



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: 9.015 ppbv

RT: 14.38 min Scan# 3607

Delta R.T. -0.02 min

Lab File: VL039131.D

Acq: 26 May 2022 11:56

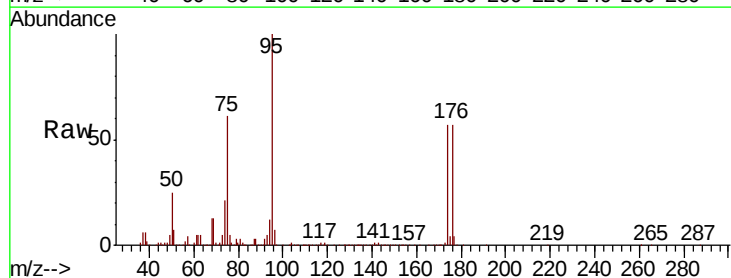
Tgt Ion: 95 Resp: 1879264

Ion Ratio Lower Upper

95 100

174 60.1 50.8 76.2

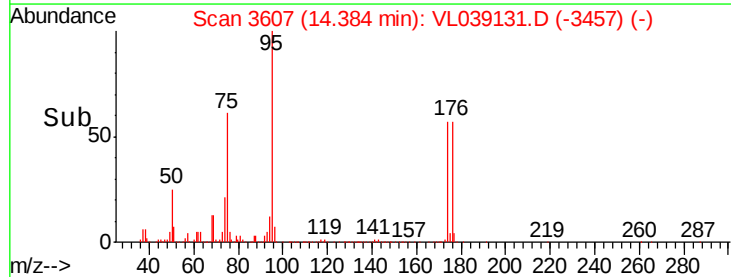
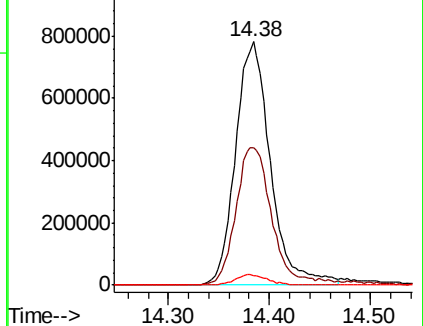
175 4.3 3.8 5.6

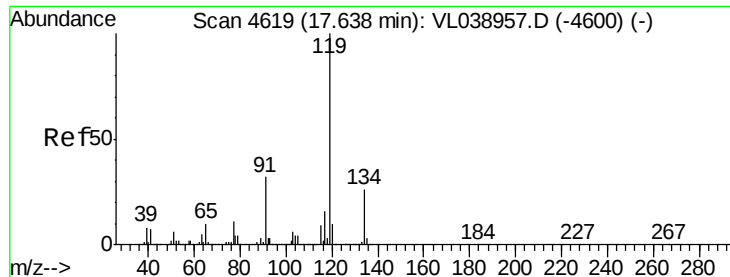


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 9.189 ppbv

RT: 17.62

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 26 May 2022 11:56

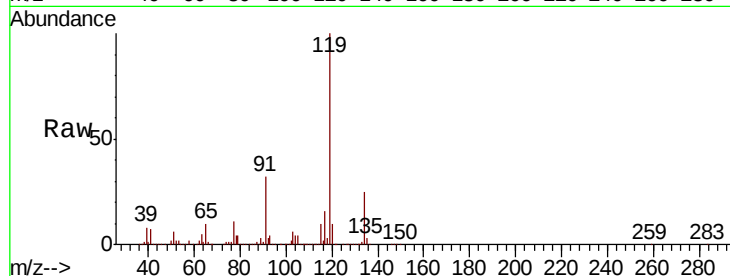
Tot Ion: 119 Resp: 4136262

Ion Ratio Lower Upper

119 100

134 24.4 20.0 30.0

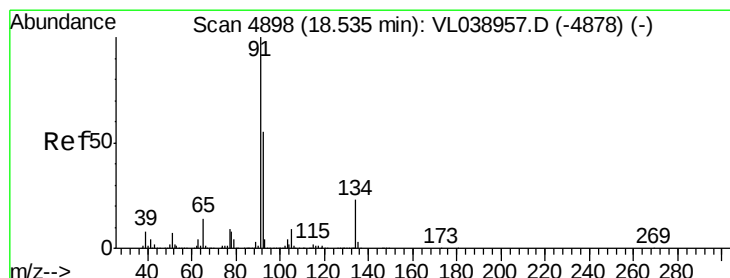
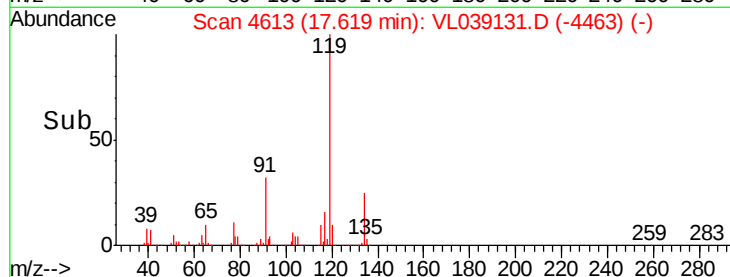
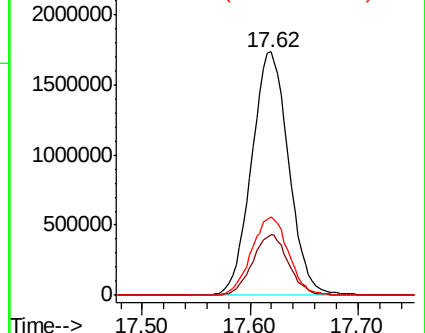
91 32.1 24.8 37.2



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: 9.414 ppbv

RT: 18.52 min Scan# 4892

Delta R.T. -0.02 min

Lab File: VL039131.D

Acq: 26 May 2022 11:56

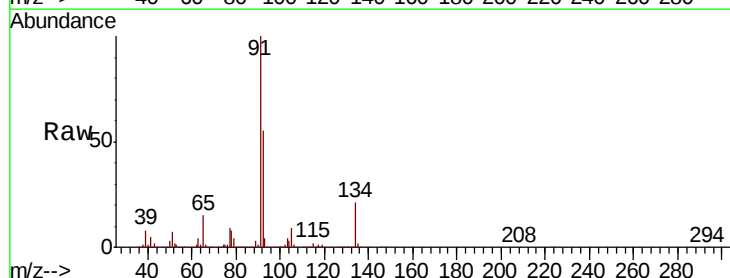
Tgt Ion: 91 Resp: 4502033

Ion Ratio Lower Upper

91 100

92 53.5 43.1 64.7

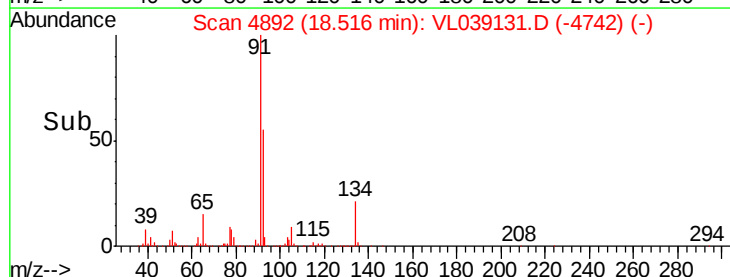
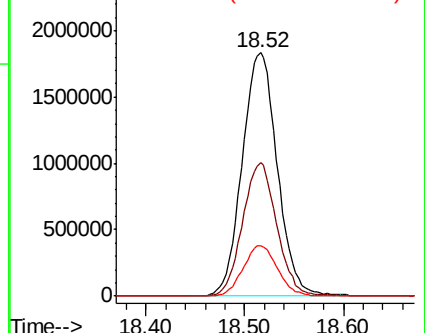
134 20.5 17.0 25.4

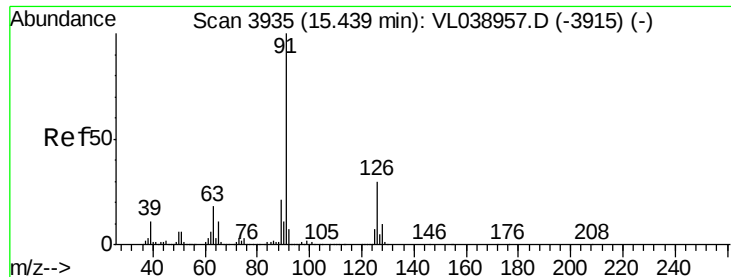


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

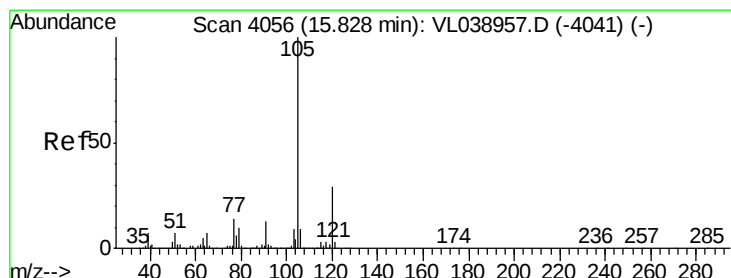
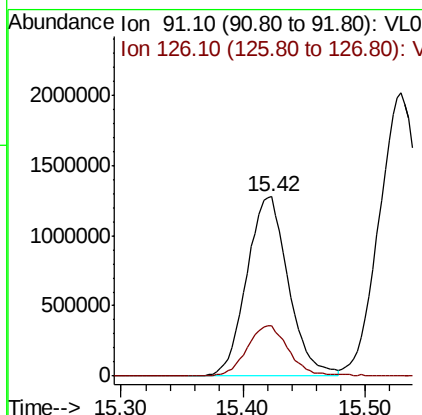
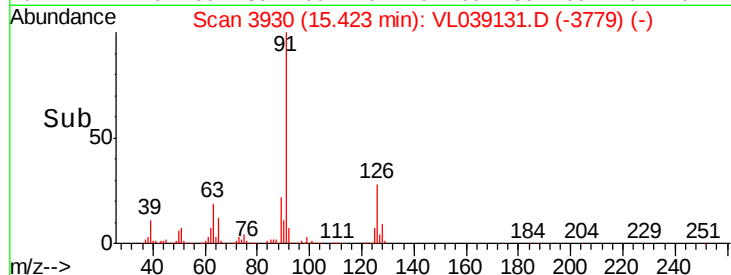
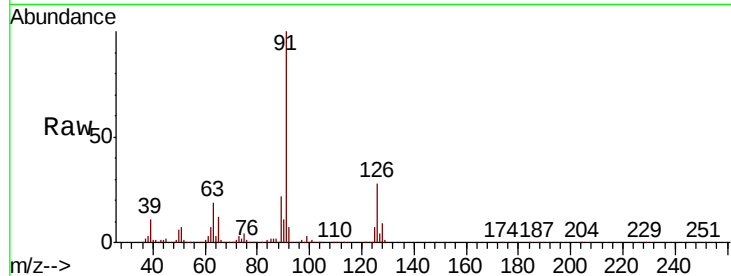
Ion 134.20 (133.90 to 134.90): V





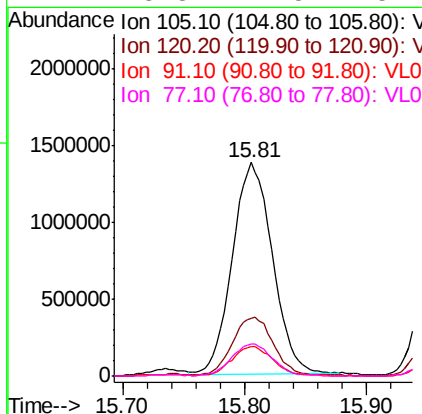
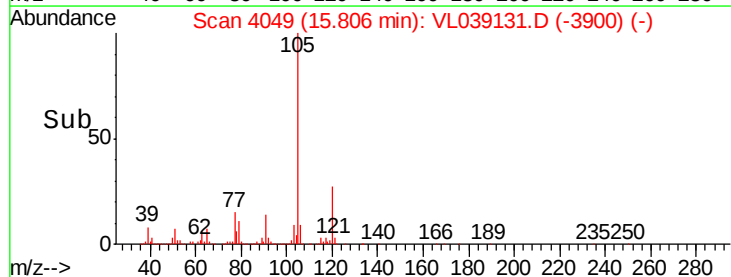
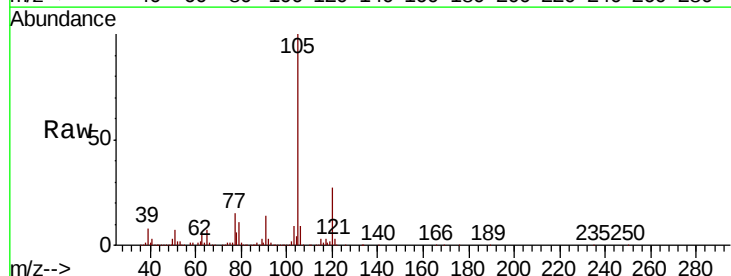
#71
 2-Chlorotoluene
 Concen: 8.779 ppbv
 RT: 15.42 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 26 May 2022 11:58

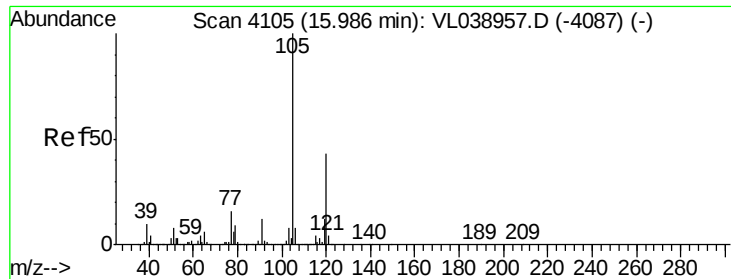
Tot Ion: 91 Resp: 3012525
 Ion Ratio Lower Upper
 91 100
 126 28.8 11.9 47.5



#72
 4-Ethyltoluene
 Concen: 9.043 ppbv
 RT: 15.81 min Scan# 4049
 Delta R.T. -0.02 min
 Lab File: VL039131.D
 Acq: 26 May 2022 11:56

Tgt Ion:105 Resp: 3136291
 Ion Ratio Lower Upper
 105 100
 120 28.8 23.4 35.0
 91 14.0 10.6 16.0
 77 15.8 12.5 18.7





#73

1,3,5-Trimethylbenzene

Concen: 9.204 ppbv

RT: 15.96 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDCCC010EC

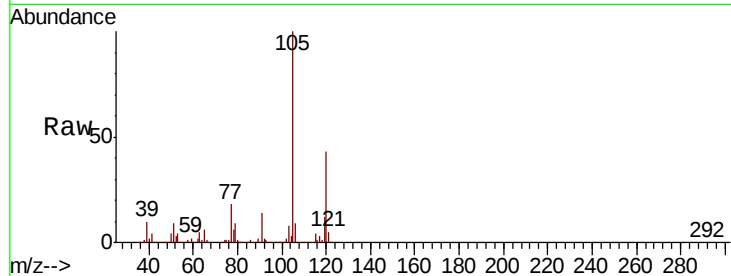
Acq: 26 May 2022 11:58

Tot Ion:105 Resp: 2874073

Ion Ratio Lower Upper

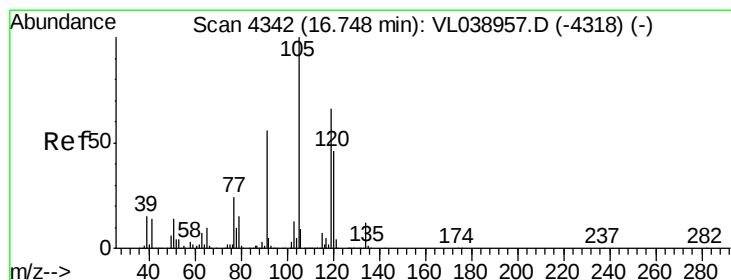
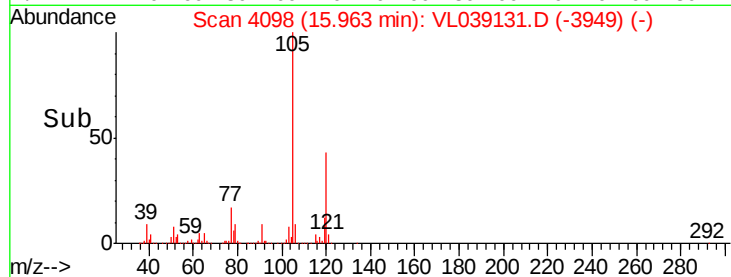
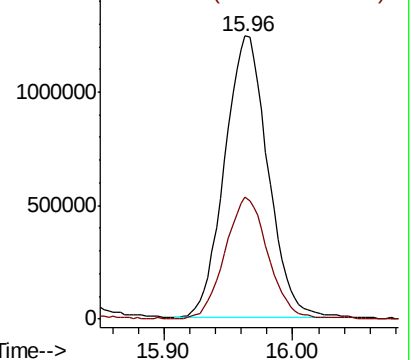
105 100

120 43.4 34.4 51.6



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: 9.344 ppbv

RT: 16.73 min Scan# 4336

Delta R.T. -0.02 min

Lab File: VL039131.D

Acq: 26 May 2022 11:56

Tgt Ion:105 Resp: 3194575

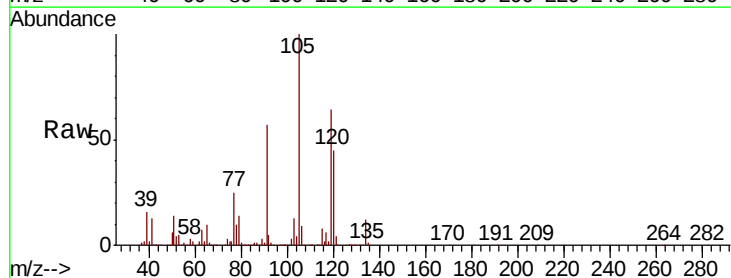
Ion Ratio Lower Upper

105 100

120 44.7 36.9 55.3

91 56.2 45.0 67.4

77 24.6 19.2 28.8

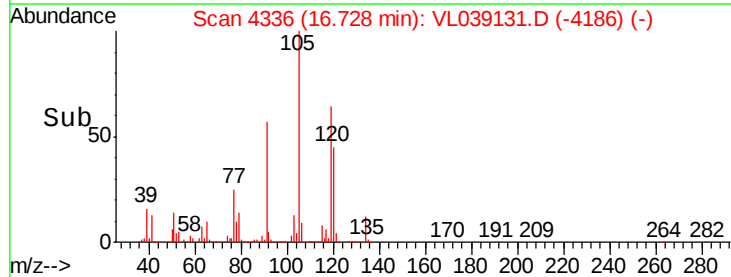
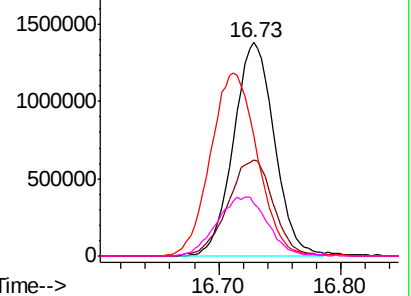


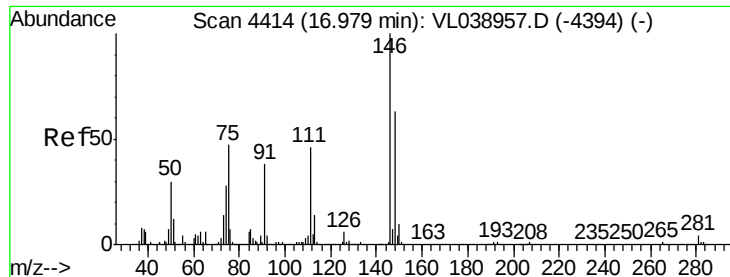
Abundance Ion 105.10 (104.80 to 105.80): V

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: 9.304 ppbv

RT: 16.96

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDCCC010EC

Acq: 26 May 2022 11:58

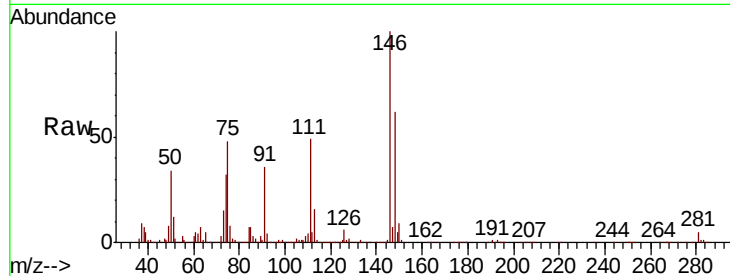
Tot Ion:146 Resp: 1742926

Ion Ratio Lower Upper

146 100

111 49.6 24.1 72.2

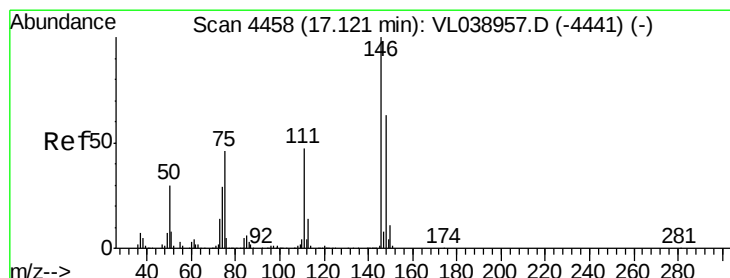
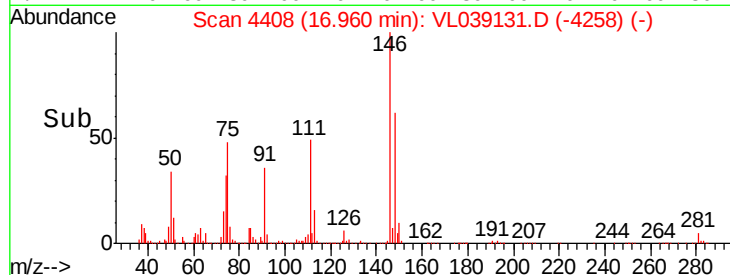
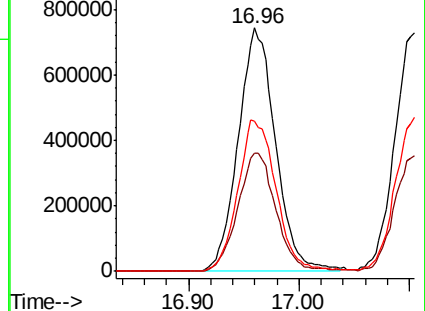
148 63.8 32.4 97.2



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: 9.226 ppbv

RT: 17.10 min Scan# 4453

Delta R.T. -0.02 min

Lab File: VL039131.D

Acq: 26 May 2022 11:56

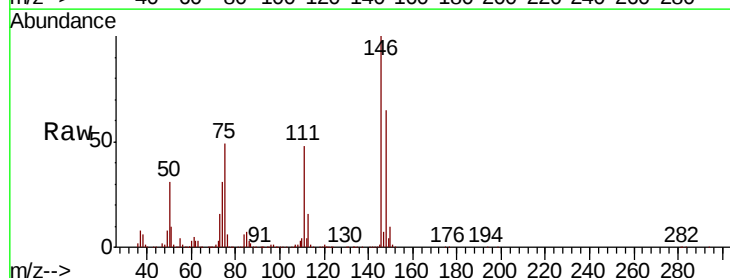
Tgt Ion:146 Resp: 1700215

Ion Ratio Lower Upper

146 100

111 49.4 23.6 71.0

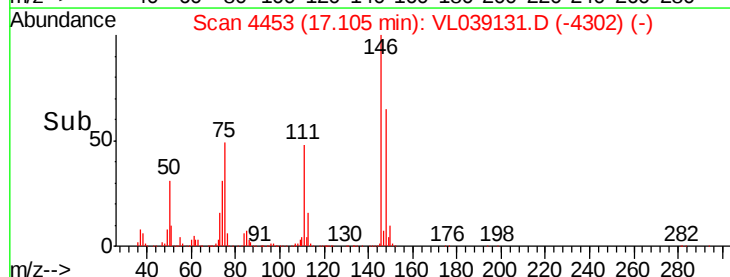
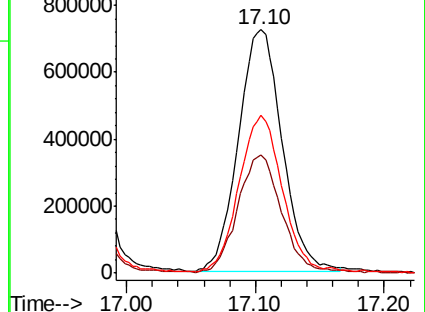
148 65.9 32.2 96.6

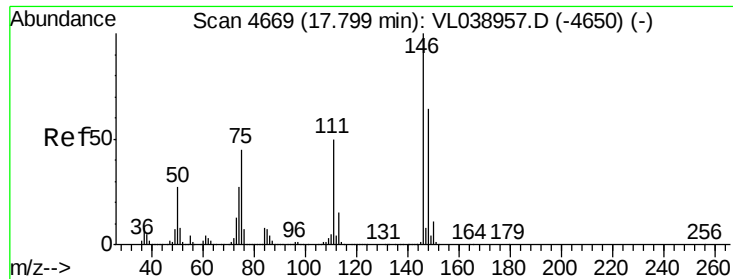


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

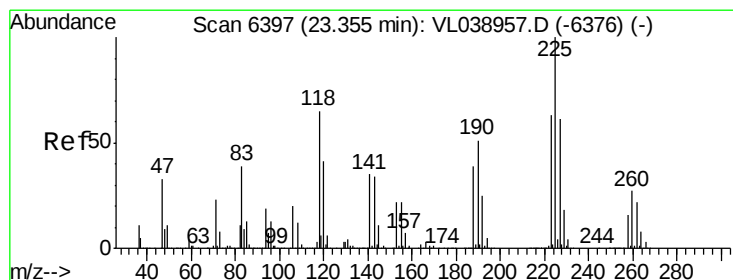
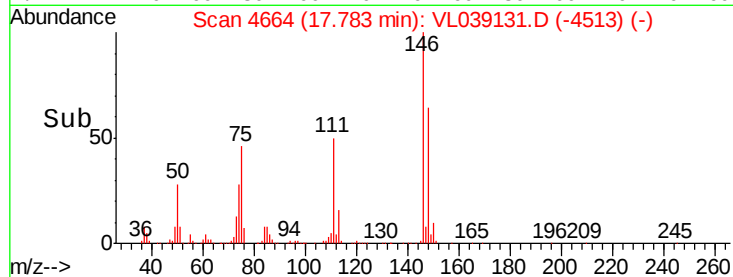
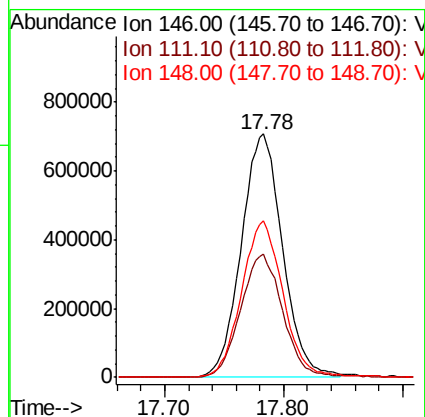
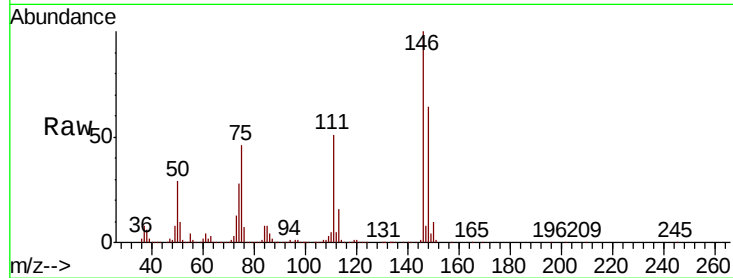
Ion 148.00 (147.70 to 148.70): V





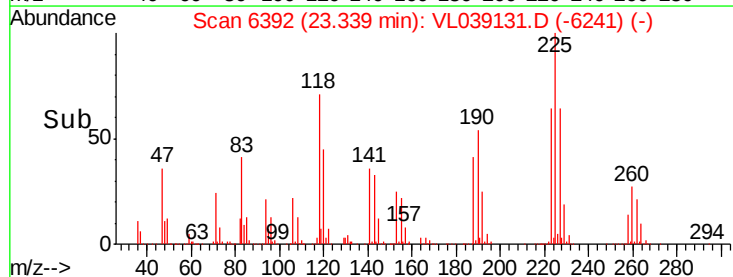
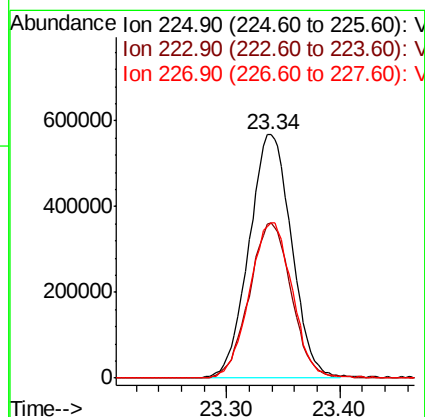
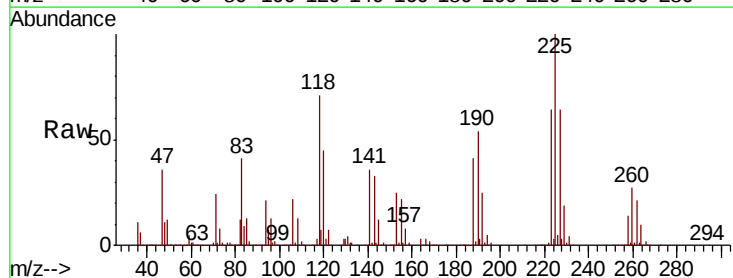
#77
 1,2-Dichlorobenzene
 Concen: 9.119 ppbv
 RT: 17.78 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VSTDCCC010EC
 Acq: 26 May 2022 11:58

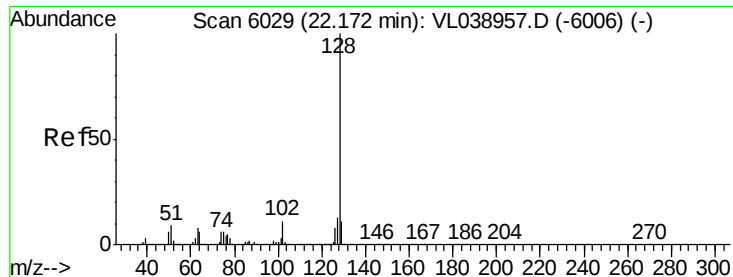
Tot Ion:146 Resp: 1689393
 Ion Ratio Lower Upper
 146 100
 111 51.8 25.3 75.9
 148 65.0 32.3 96.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.710 ppbv
 RT: 23.34 min Scan# 6392
 Delta R.T.: -0.02 min
 Lab File: VL039131.D
 Acq: 26 May 2022 11:56

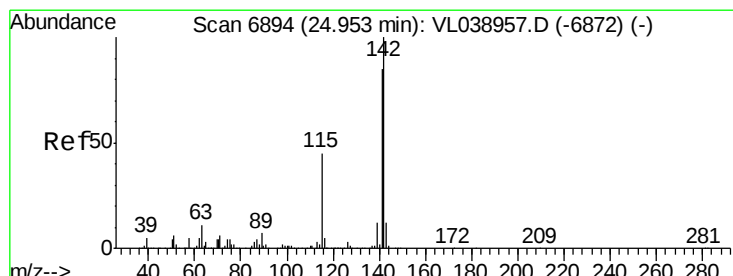
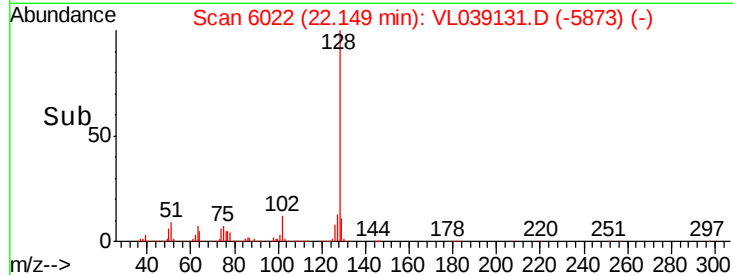
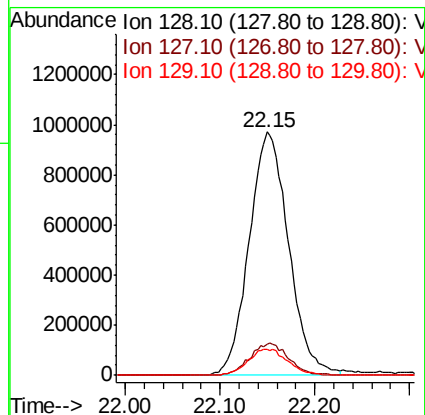
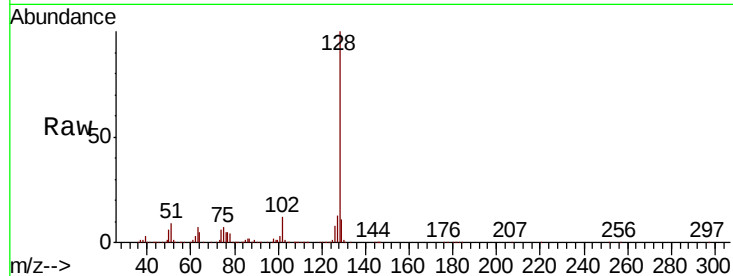
Tgt Ion:225 Resp: 1482956
 Ion Ratio Lower Upper
 225 100
 223 63.6 51.4 77.0
 227 64.4 51.4 77.0





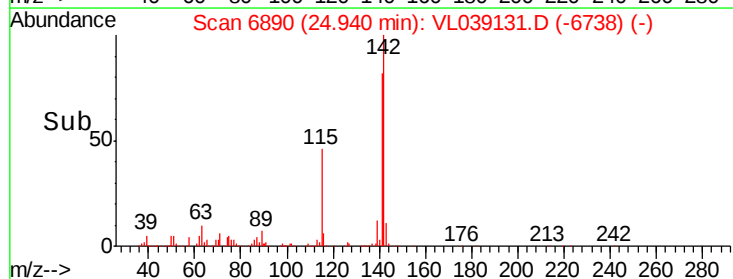
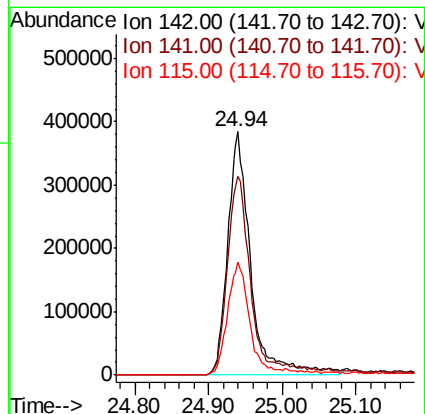
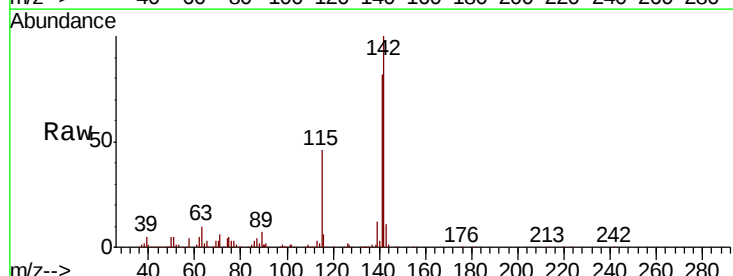
#79
Naphthalene
Concen: 10.125 ppbv
RT: 22.15 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VSTDCCC010EC
Acq: 26 May 2022 11:56

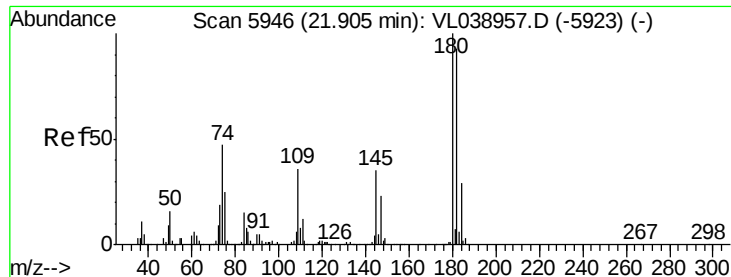
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.6	8.9	13.3



#80
Naphthalene, 2-methyl-
Concen: 9.968 ppbv
RT: 24.94 min Scan# 6890
Delta R.T.: -0.01 min
Lab File: VL039131.D
Acq: 26 May 2022 11:56

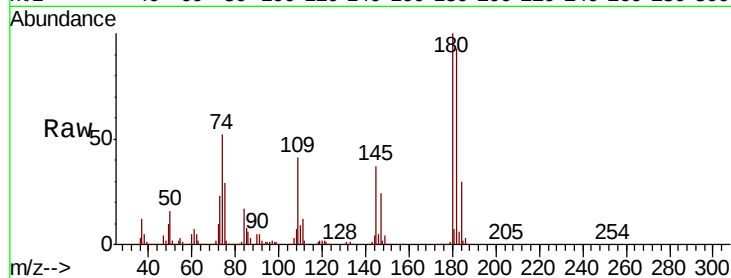
Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.2	70.8	106.2
115	45.6	35.1	52.7





#81
 1,2,4-Trichlorobenzene
 Concen: 5.382 ppbv
 RT: 21.88
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 26 May 2022 11:58

Tot Ion:180 Resp: 875846
 Ion Ratio Lower Upper
 180 100
 182 168.3 78.4 117.6#
 184 52.6 24.4 36.6#



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

