

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081722\
 Data File : VL039542.D
 Acq On : 17 Aug 2022 7:32
 Operator : SY/AP
 Sample : VSTDICC015
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDICC015

Quant Time: Aug 17 08:00:41 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 17 04:35:27 2022
 QLast Update : Wed Aug 17 04:35:27 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.20	49	1120133	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	6.66	114	2943763	10.00	ppbv	0.00
55) Chlorobenzene-d5	11.47	117	2972793	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.78	95	2245146	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.75	85	1551672	9.822	ppbv 98
3) Chlorodifluoromethane	2.70	51	1733573	12.317	ppbv 100
4) Chloromethane	2.83	50	1038403	13.261	ppbv 92
5) Vinyl Chloride	2.94	62	919349	12.054	ppbv 96
6) Bromomethane	3.14	94	356860	11.403	ppbv 89
7) Chloroethane	3.22	64	343419	12.751	ppbv 100
8) Dichlorotetrafluoroethane	2.88	85	1931447	11.104	ppbv 100
9) Propene	2.72	41	814453	12.778	ppbv 99
10) Heptane	7.59	43	2079127	13.979	ppbv 100
11) Trichlorofluoromethane	3.58	101	2160680	12.201	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.08	101	1621211	12.359	ppbv 98
13) Ethanol	3.26	45	47322	12.758	ppbv 90
14) Bromoethene	3.39	108	697381	12.589	ppbv 99
15) Acetone	3.49	43	1631757	12.508	ppbv 99
16) 1,3-Butadiene	3.00	39	904807	13.289	ppbv 99
17) tert-Butyl alcohol	3.90	59	1357435	12.383	ppbv 100
18) 1,1-Dichloroethene	3.90	96	740017	12.445	ppbv 98
19) Isopropyl Alcohol	3.59	45	793459	11.489	ppbv # 100
20) Methylene Chloride	3.95	84	596865	11.492	ppbv 94
21) Allyl Chloride	4.01	41	1189214	13.145	ppbv 98
22) trans-1,2-Dichloroethene	4.46	96	758563	13.251	ppbv 97
23) Vinyl Acetate	4.64	43	852787	10.267	ppbv 97
24) 1,1-Dichloroethane	4.58	63	1526239	12.391	ppbv 99
25) Ethyl Acetate	5.22	43	3667682	13.608	ppbv 99
26) Hexane	5.23	57	1507278	14.020	ppbv 98
27) Carbon Disulfide	4.14	76	1889674	14.580	ppbv 97
28) Methyl tert-Butyl Ether	4.60	73	1276495	11.239	ppbv 99
29) Chloroform	5.29	83	2327984	12.473	ppbv 95
30) Cyclohexane	6.61	84	1290295	13.174	ppbv # 100
31) cis-1,2-Dichloroethene	5.09	61	1526609	13.377	ppbv 98
32) 1,1,1-Trichloroethane	6.01	97	2246203	12.182	ppbv 99
34) 2-Butanone	4.80	43	1970314	13.467	ppbv 99
35) Carbon Tetrachloride	6.50	117	2408524	13.432	ppbv 100
36) Benzene	6.38	78	3206399	14.143	ppbv 98
37) 1,2-Dichloroethane	5.82	62	1735504	13.101	ppbv 100
38) Trichloroethene	7.30	130	1747721	14.137	ppbv 98
39) 1,2-Dichloropropane	7.08	63	1235676	14.603	ppbv 99
40) 1,4-Dioxane	7.30	88	433746	12.950	ppbv 85
41) Tetrahydrofuran	5.57	42	1335828	15.617	ppbv 98
42) Bromodichloromethane	7.26	83	2549345	14.255	ppbv 97
43) Methyl Methacrylate	7.48	69	1289739	15.042	ppbv 99

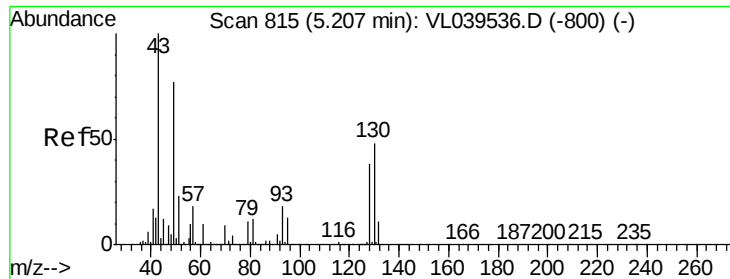
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081722\
 Data File : VL039542.D
 Acq On : 17 Aug 2022 7:32
 Operator : SY/AP
 Sample : VSTDICC015
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDICC015

Quant Time: Aug 17 08:00:41 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 17 04:35:27 2022
 QLast Update : Wed Aug 17 04:35:27 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.34	57	5318344	13.856	ppbv	99
45) t-1,3-Dichloropropene	8.72	75	1321231	17.663	ppbv	98
46) cis-1,3-Dichloropropene	8.15	75	1734491	16.605	ppbv	99
47) 1,1,2-Trichloroethane	8.90	97	1341192	14.134	ppbv	98
48) Dibromochloromethane	9.72	129	2283993	15.249	ppbv	99
49) Bromoform	12.41	173	1971470	16.289	ppbv #	100
50) 4-Methyl-2-Pentanone	8.19	43	3453379	15.414	ppbv	100
51) 2-Hexanone	9.56	43	2724498	16.131	ppbv #	98
52) Tetrachloroethene	10.62	164	1237945	13.612	ppbv	97
53) Toluene	9.23	91	3842801	14.752	ppbv	100
54) 1,2-Dibromoethane	10.01	107	1668999	14.341	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.51	131	1613758	12.545	ppbv #	93
57) Chlorobenzene	11.53	112	2885683	12.739	ppbv	98
58) Ethyl Benzene	12.09	91	5040318	13.416	ppbv	97
59) m/p-Xylene	12.38	91	4346015	13.143	ppbv #	100
60) o-Xylene	13.06	91	4110860	13.102	ppbv	99
61) Styrene	12.90	104	2564557	15.110	ppbv	100
62) Isopropylbenzene	14.03	105	5956812	12.482	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.05	83	1700391	10.402	ppbv	100
64) n-propylbenzene	14.92	120	1578488	13.092	ppbv	96
65) tert-Butylbenzene	16.09	119	5277486	12.021	ppbv	100
66) Benzyl Chloride	16.33	91	608020	15.283	ppbv #	91
67) sec-Butylbenzene	16.64	105	7365936	12.415	ppbv	99
69) p-Isopropyltoluene	17.00	119	6191002	12.349	ppbv	99
70) n-Butylbenzene	17.89	91	6291955	12.897	ppbv	99
71) 2-Chlorotoluene	14.80	91	4471406	13.071	ppbv	100
72) 4-Ethyltoluene	15.19	105	4897671	13.244	ppbv #	100
73) 1,3,5-Trimethylbenzene	15.36	105	4393414	12.991	ppbv	96
74) 1,2,4-Trimethylbenzene	16.11	105	4633170	12.427	ppbv	94
75) 1,3-Dichlorobenzene	16.33	146	2872435	12.918	ppbv	100
76) 1,4-Dichlorobenzene	16.48	146	2818197	12.637	ppbv	97
77) 1,2-Dichlorobenzene	17.15	146	2775142	12.619	ppbv	99
78) Hexachloro-1,3-Butadiene	22.63	225	2036567	11.430	ppbv #	100
79) Naphthalene	21.38	128	4288305	16.567	ppbv	99
80) Naphthalene, 2-methyl-	24.37	142	1932634	20.887	ppbv #	100
81) 1,2,4-Trichlorobenzene	21.14	180	2378885	14.164	ppbv #	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.20 Instrument: MSVOA_1

Delta R.T. 0.00

Lab File: ClientSampleId: VSTDIC015

Acq: 17 Aug 2022 7:32

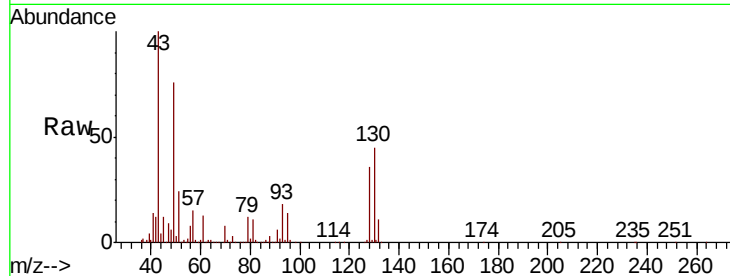
Tot Ion: 49 Resp: 1120133

Ion Ratio Lower Upper

49 100

128 49.6 25.7 77.0

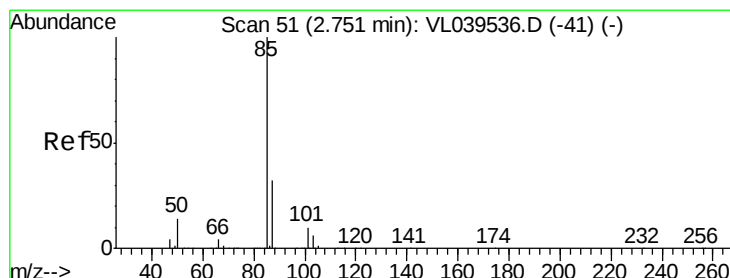
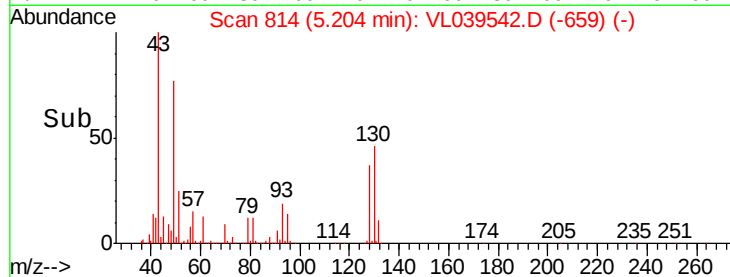
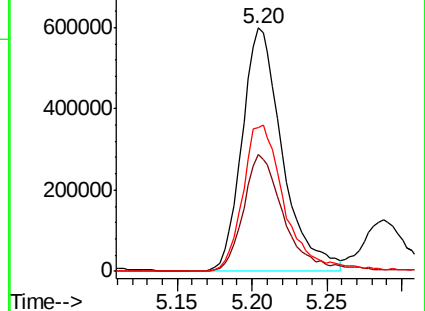
130 64.1 31.6 95.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 9.822 ppbv

RT: 2.75 min Scan# 51

Delta R.T. 0.00 min

Lab File: VL039542.D

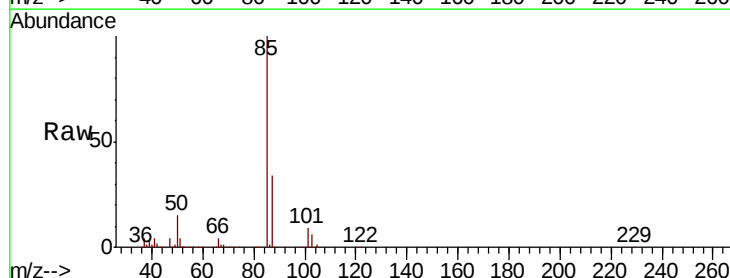
Acq: 17 Aug 2022 7:32

Tgt Ion: 85 Resp: 1551672

Ion Ratio Lower Upper

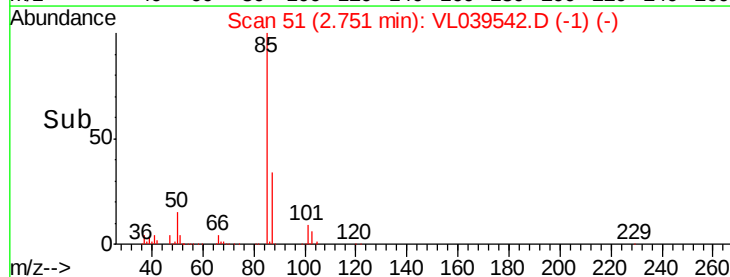
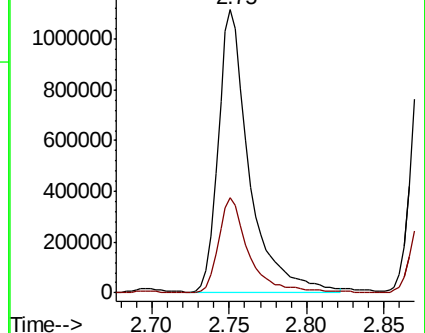
85 100

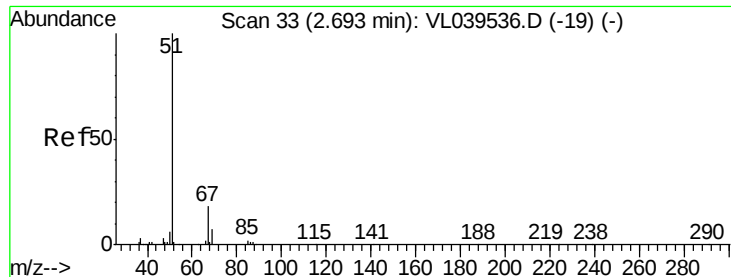
87 33.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 12.317 ppbv

RT: 2.70 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC015

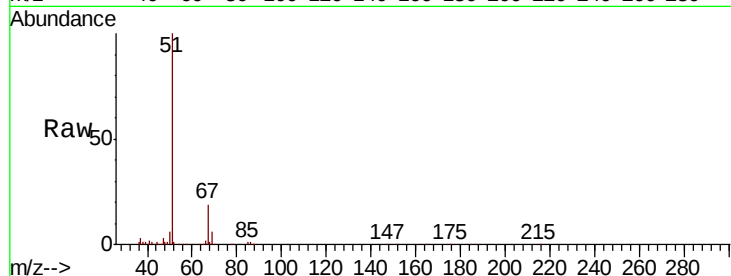
Acq: 17 Aug 2022 7:32

Tot Ion: 51 Resp: 1733573

Ion Ratio Lower Upper

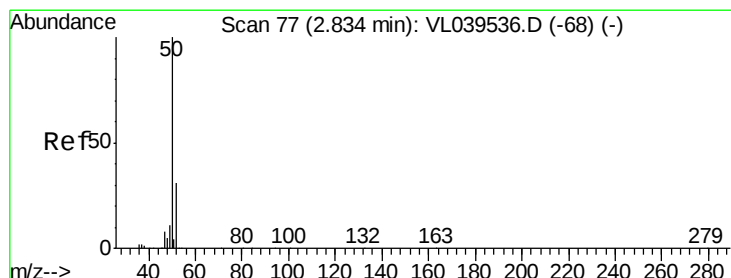
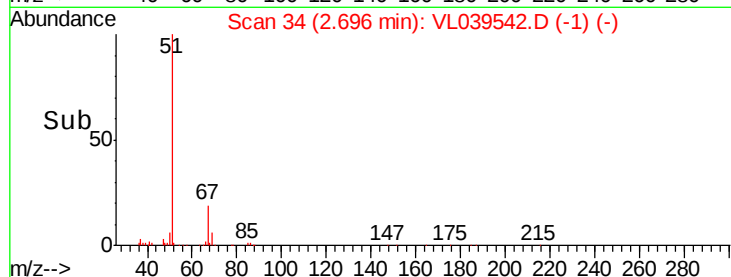
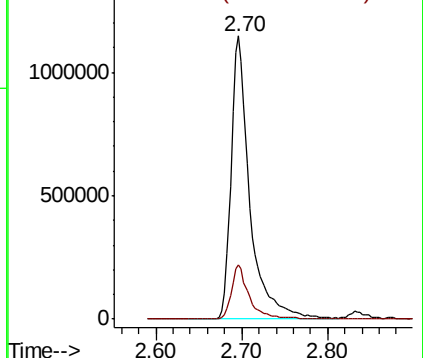
51 100

67 18.4 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 13.261 ppbv

RT: 2.83 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL039542.D

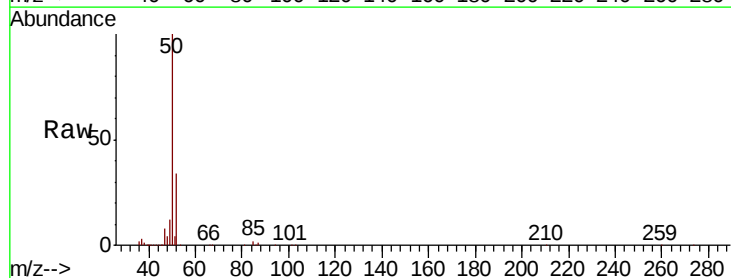
Acq: 17 Aug 2022 7:32

Tgt Ion: 50 Resp: 1038403

Ion Ratio Lower Upper

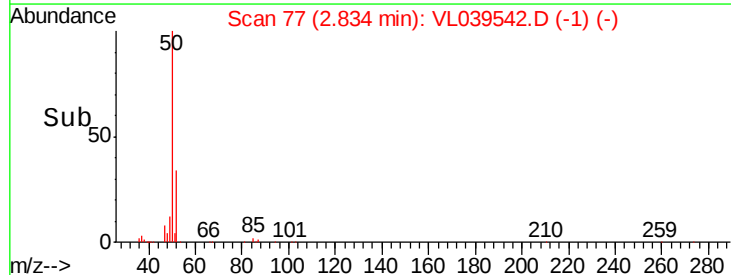
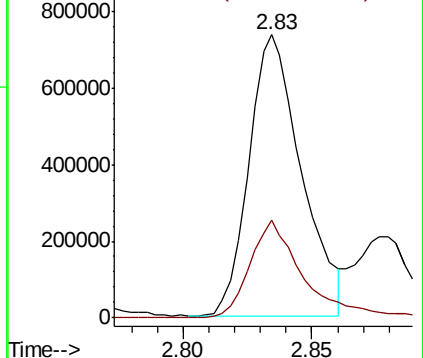
50 100

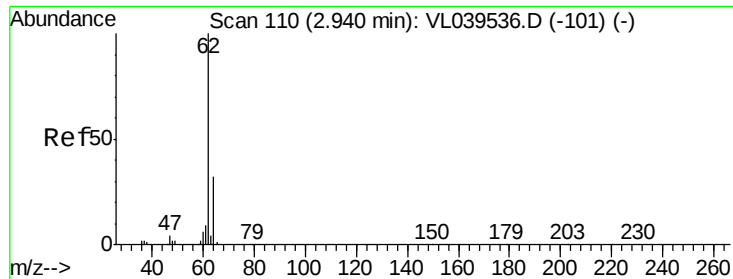
52 34.7 24.3 36.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 12.054 ppbv

RT: 2.94 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC015

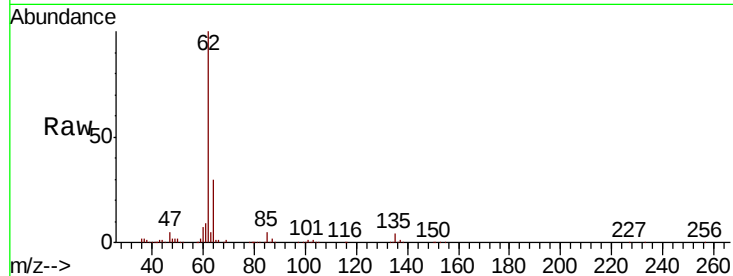
Acq: 17 Aug 2022 7:32

Tot Ion: 62 Resp: 919349

Ion Ratio Lower Upper

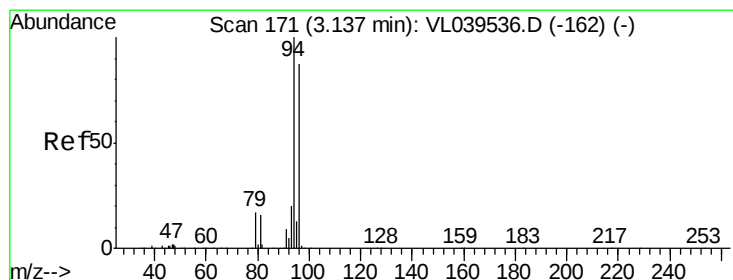
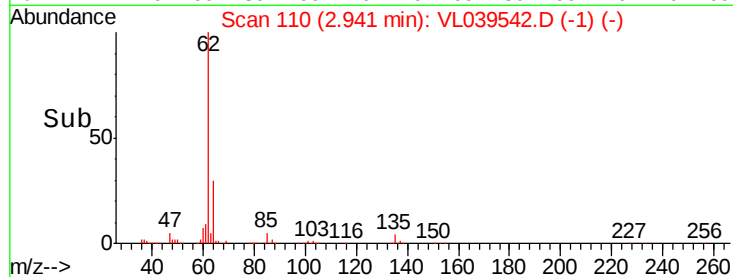
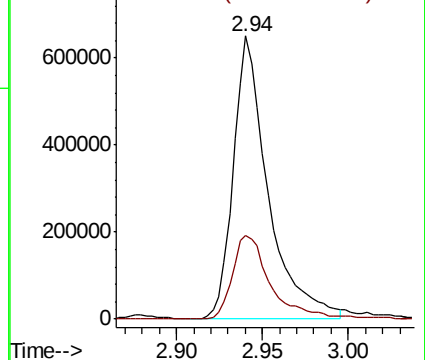
62 100

64 29.7 25.5 38.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 11.403 ppbv

RT: 3.14 min Scan# 172

Delta R.T. 0.00 min

Lab File: VL039542.D

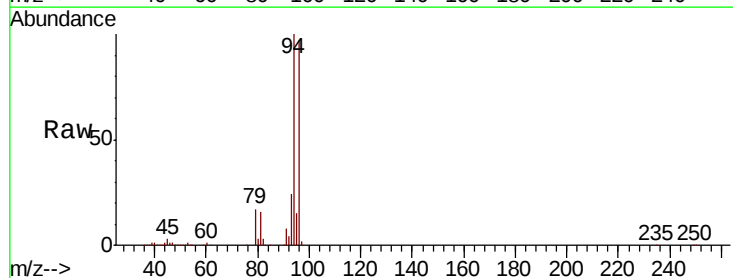
Acq: 17 Aug 2022 7:32

Tgt Ion: 94 Resp: 356860

Ion Ratio Lower Upper

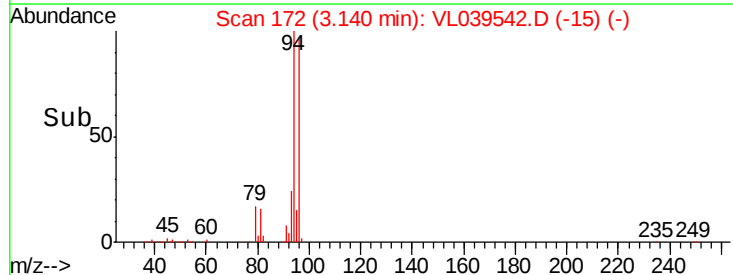
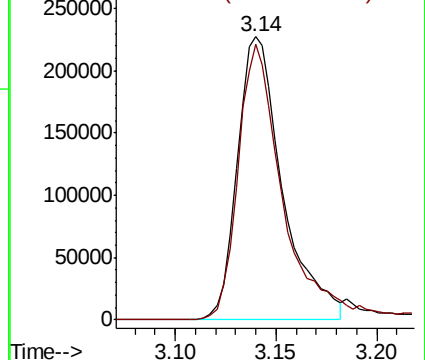
94 100

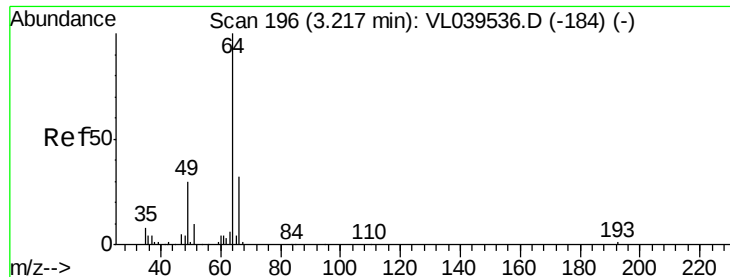
96 97.3 69.8 104.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 12.751 ppbv

RT: 3.22 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDIC015

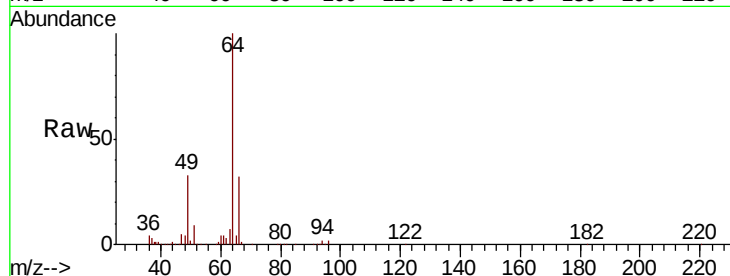
Acq: 17 Aug 2022 7:32

Tot Ion: 64 Resp: 343419

Ion Ratio Lower Upper

64 100

66 32.0 25.6 38.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.22

250000

200000

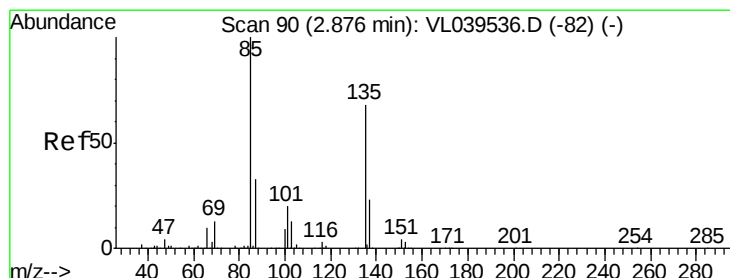
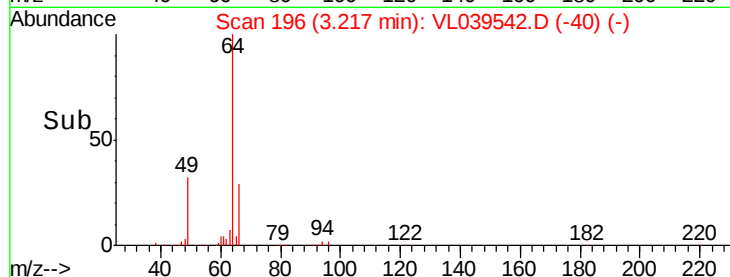
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 11.104 ppbv

RT: 2.88 min Scan# 90

Delta R.T. 0.00 min

Lab File: VL039542.D

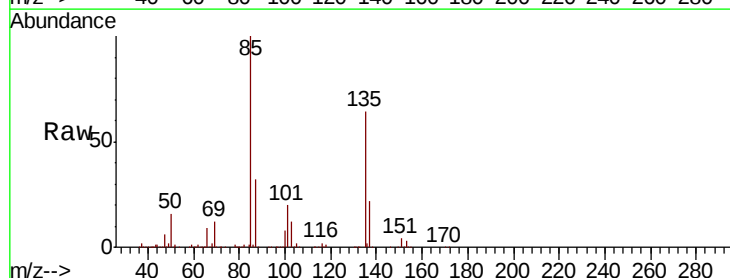
Acq: 17 Aug 2022 7:32

Tgt Ion: 85 Resp: 1931447

Ion Ratio Lower Upper

85 100

135 70.3 56.3 84.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0

2.88

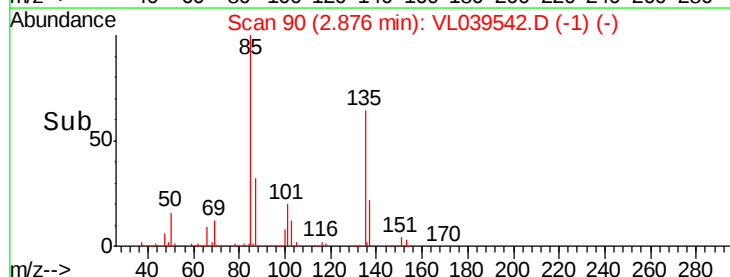
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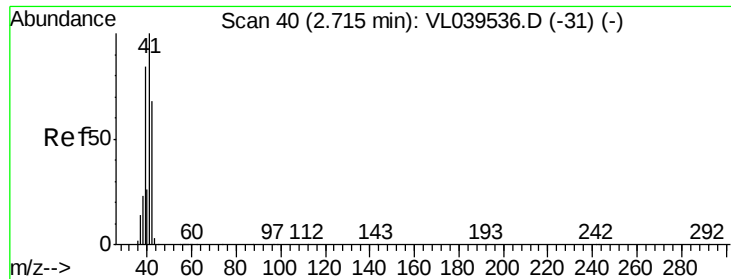
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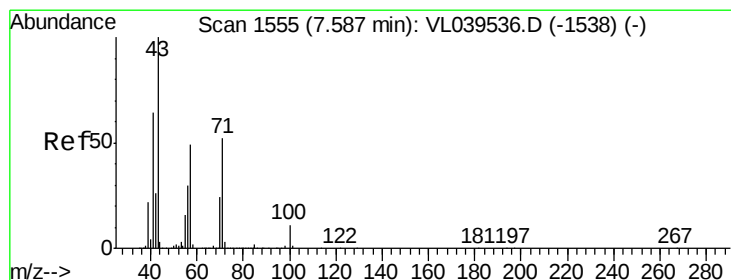
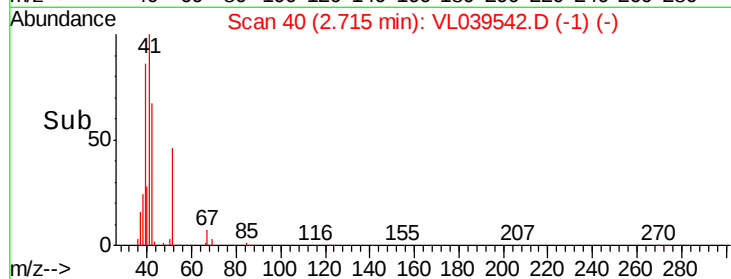
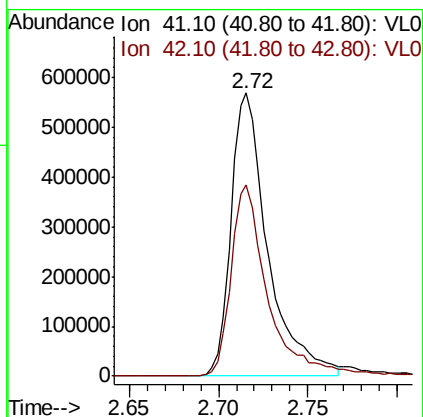
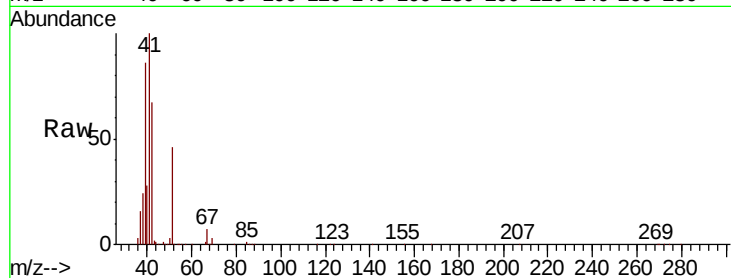
Time-->





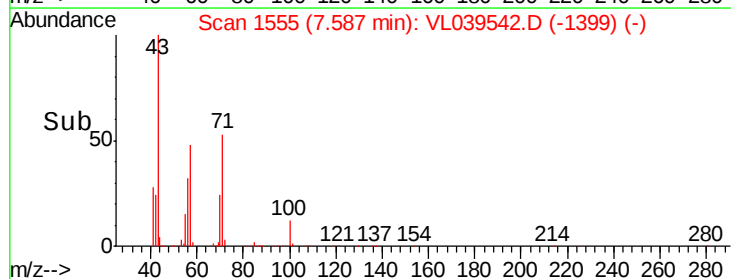
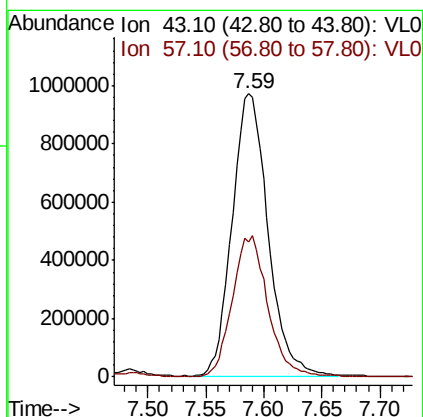
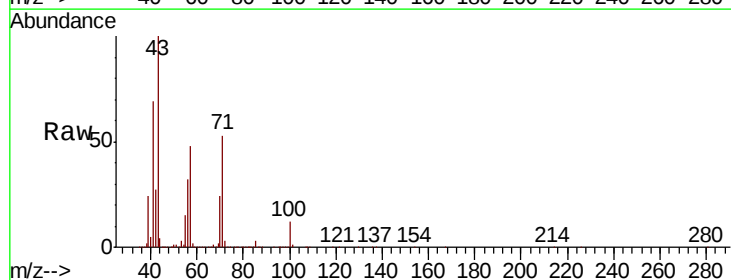
#9
 Propene
 Concen: 12.778 ppbv
 RT: 2.72
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 17 Aug 2022 7:32

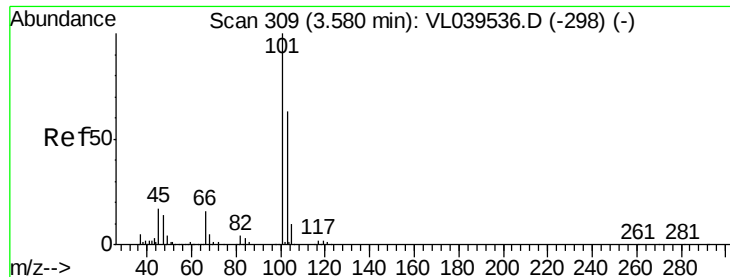
Tot Ion: 41 Resp: 814453
 Ion Ratio Lower Upper
 41 100
 42 68.5 55.4 83.0



#10
 Heptane
 Concen: 13.979 ppbv
 RT: 7.59 min Scan# 1555
 Delta R.T. 0.00 min
 Lab File: VL039542.D
 Acq: 17 Aug 2022 7:32

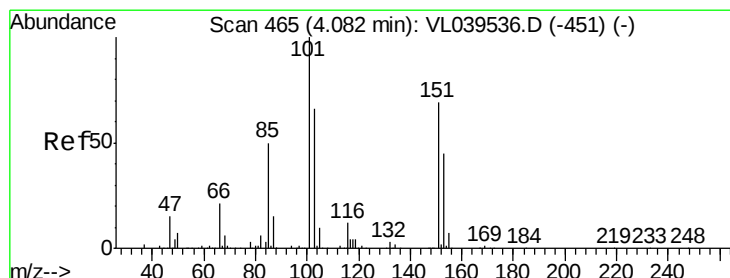
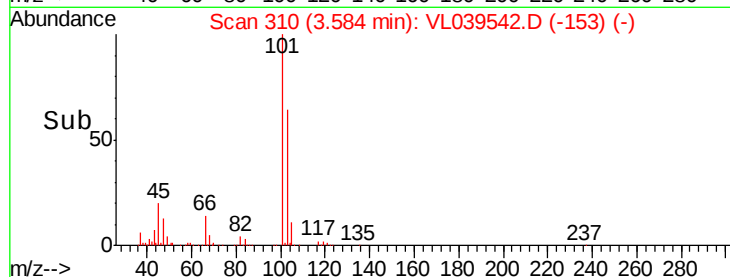
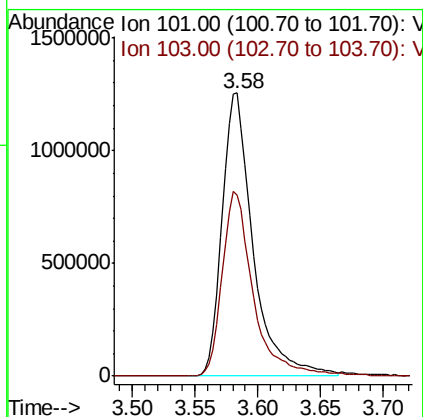
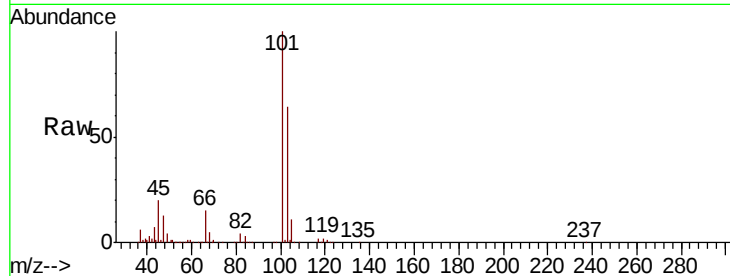
Tgt Ion: 43 Resp: 2079127
 Ion Ratio Lower Upper
 43 100
 57 49.8 39.8 59.6





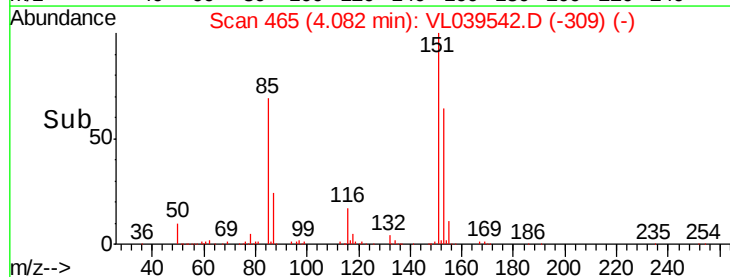
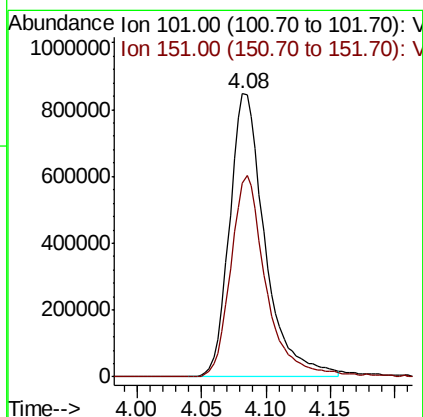
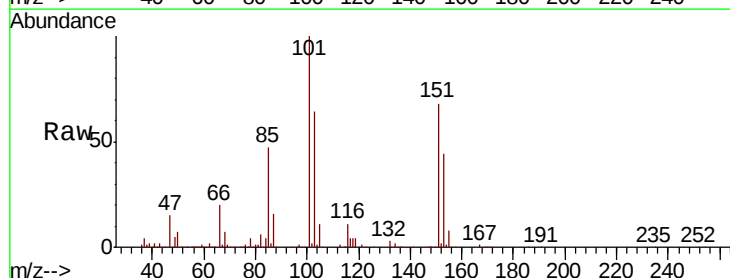
#11
 Trichlorofluoromethane
 Concen: 12.201 ppbv
 RT: 3.58 Instrument : MSVOA_1
 Delta R.T.: ClientSampleId :
 Lab File: VSTDIC015
 Acq: 17 Aug 2022 7:32

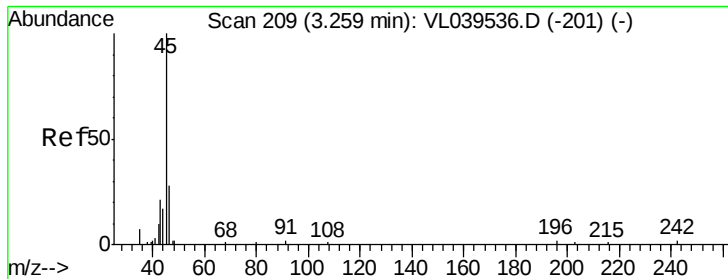
Tot Ion:101 Resp: 2160680
 Ion Ratio Lower Upper
 101 100
 103 64.1 50.6 76.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 12.359 ppbv
 RT: 4.08 min Scan# 465
 Delta R.T. 0.00 min
 Lab File: VL039542.D
 Acq: 17 Aug 2022 7:32

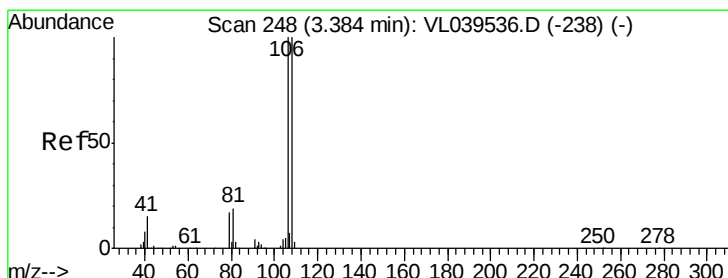
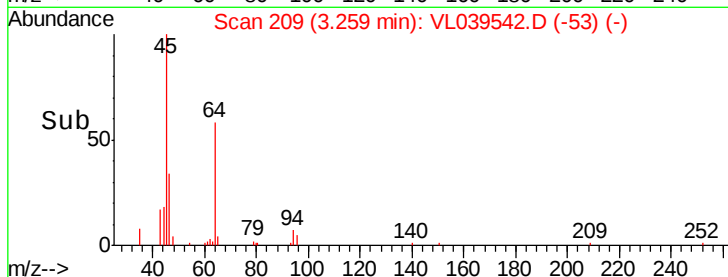
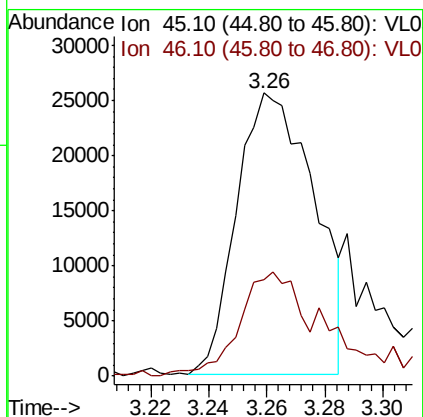
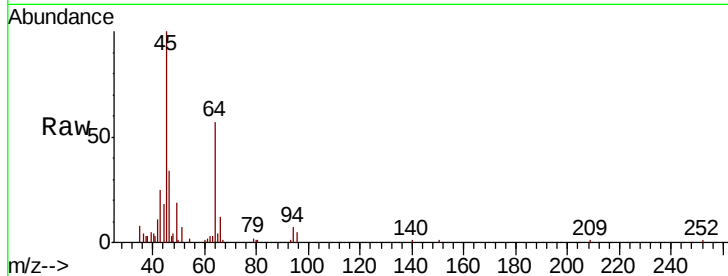
Tgt Ion:101 Resp: 1621211
 Ion Ratio Lower Upper
 101 100
 151 71.7 58.6 87.8





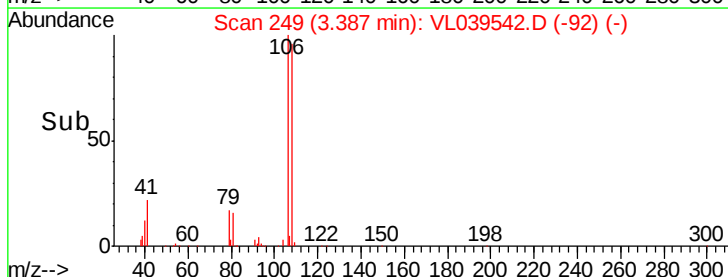
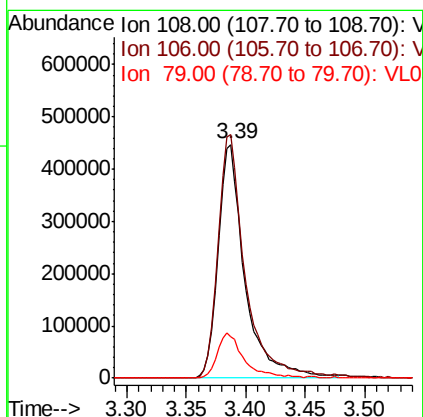
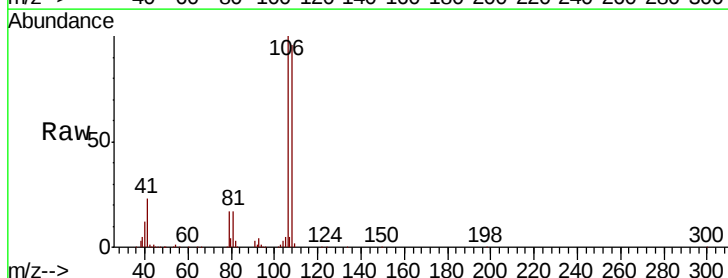
#13
Ethanol
Concen: 12.758 ppbv
RT: 3.26
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Aug 2022 7:32

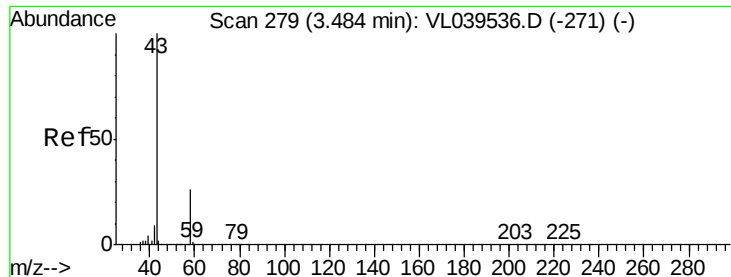
Tot Ion: 45 Resp: 47322
Ion Ratio Lower Upper
45 100
46 41.5 19.3 77.1



#14
Bromoethene
Concen: 12.589 ppbv
RT: 3.39 min Scan# 249
Delta R.T. 0.00 min
Lab File: VL039542.D
Acq: 17 Aug 2022 7:32

Tgt Ion: 108 Resp: 697381
Ion Ratio Lower Upper
108 100
106 107.3 86.6 130.0
79 19.5 15.1 22.7





#15

Acetone

Concen: 12.508 ppbv

RT: 3.49 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC015

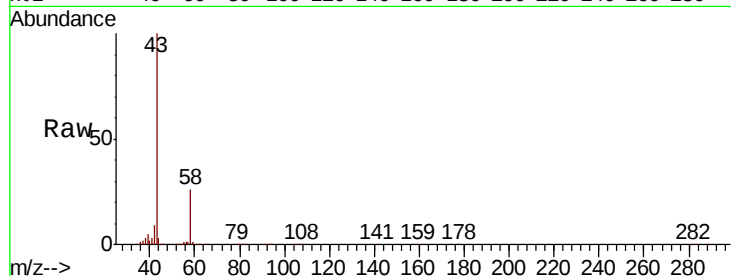
Acq: 17 Aug 2022 7:32

Tot Ion: 43 Resp: 1631757

Ion Ratio Lower Upper

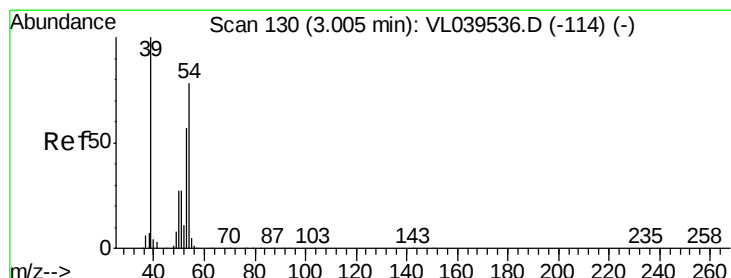
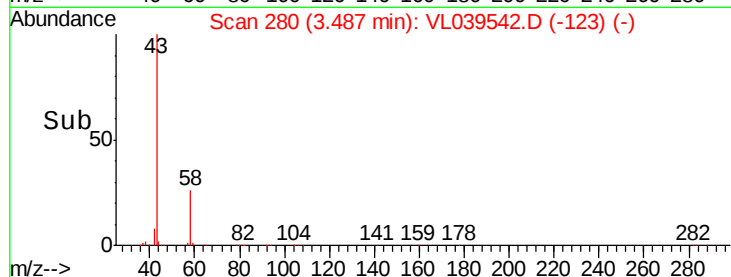
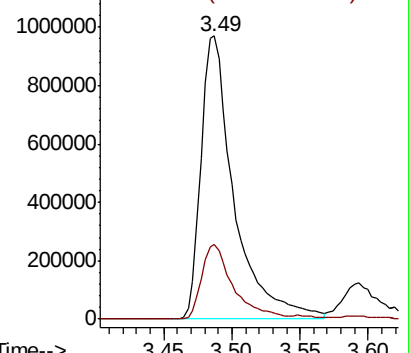
43 100

58 26.4 20.7 31.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 13.289 ppbv

RT: 3.00 min Scan# 130

Delta R.T. 0.00 min

Lab File: VL039542.D

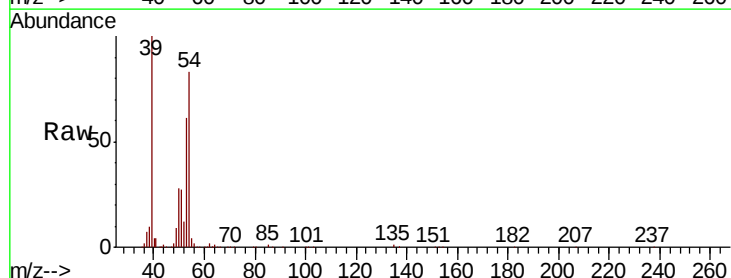
Acq: 17 Aug 2022 7:32

Tgt Ion: 39 Resp: 904807

Ion Ratio Lower Upper

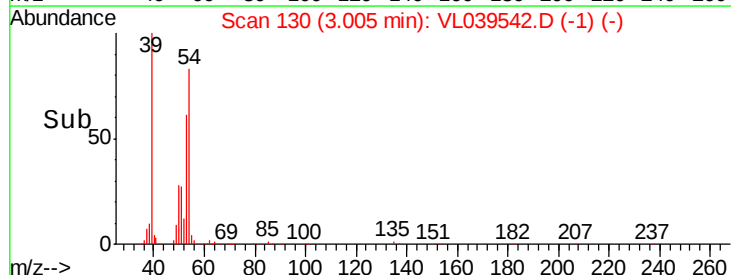
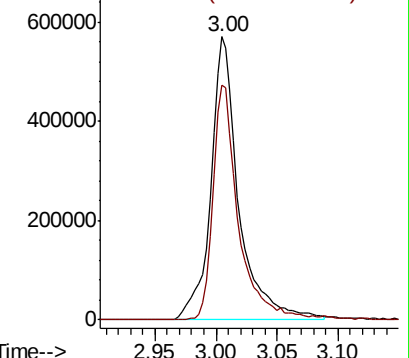
39 100

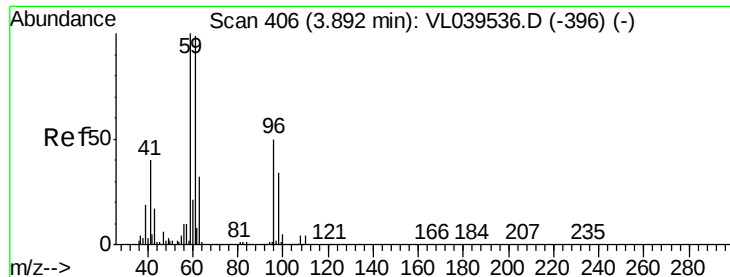
54 78.0 61.8 92.8



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 12.383 ppbv

RT: 3.90 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VSTDIC015

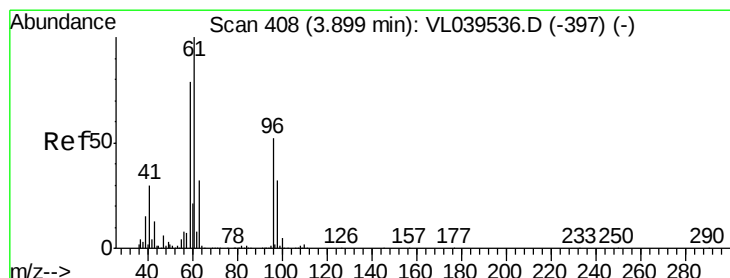
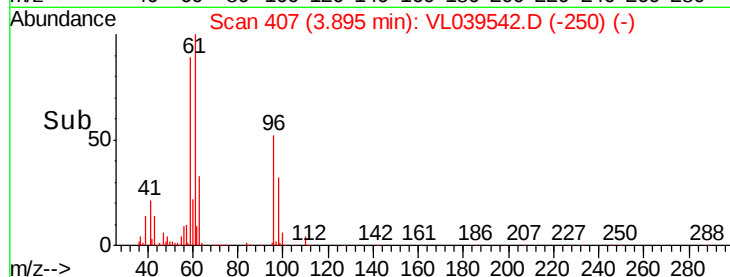
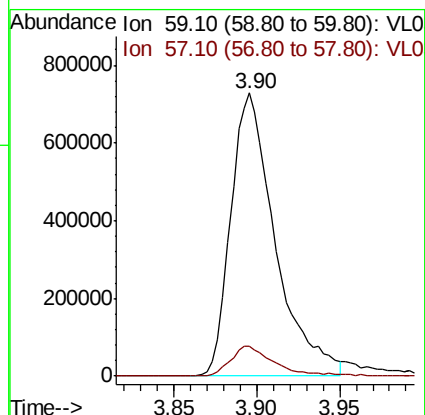
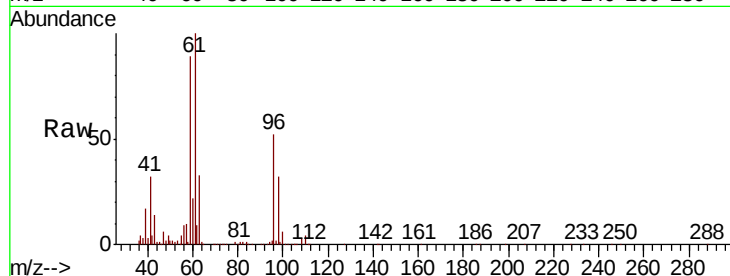
Acq: 17 Aug 2022 7:32

Tot Ion: 59 Resp: 1357435

Ion Ratio Lower Upper

59 100

57 10.7 8.6 12.8



#18

1,1-Dichloroethene

Concen: 12.445 ppbv

RT: 3.90 min Scan# 408

Delta R.T. 0.00 min

Lab File: VL039542.D

Acq: 17 Aug 2022 7:32

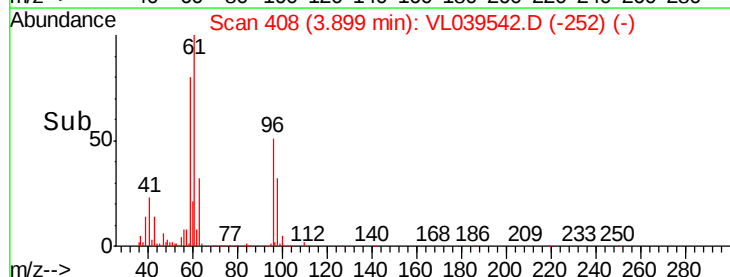
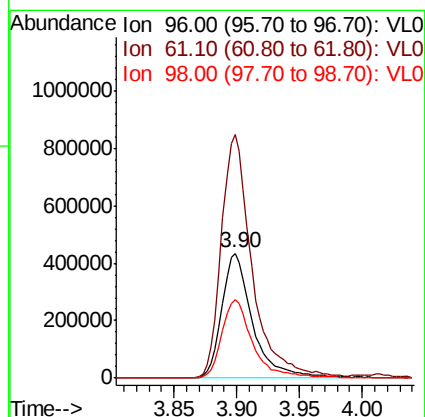
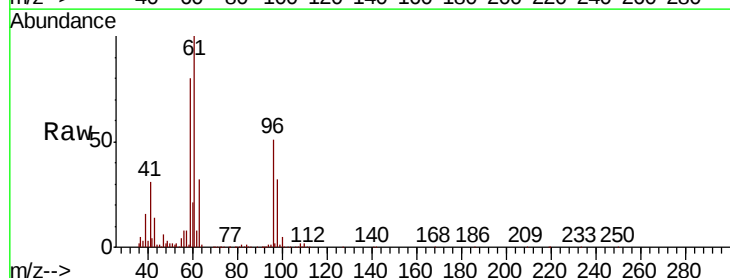
Tgt Ion: 96 Resp: 740017

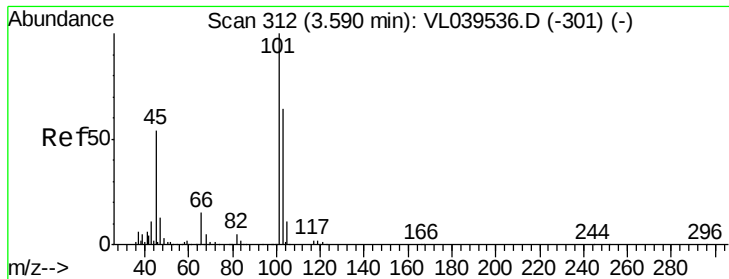
Ion Ratio Lower Upper

96 100

61 194.8 153.8 230.6

98 62.9 48.6 73.0





#19

Isopropyl Alcohol

Concen: 11.489 ppbv

RT: 3.59 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDIC015

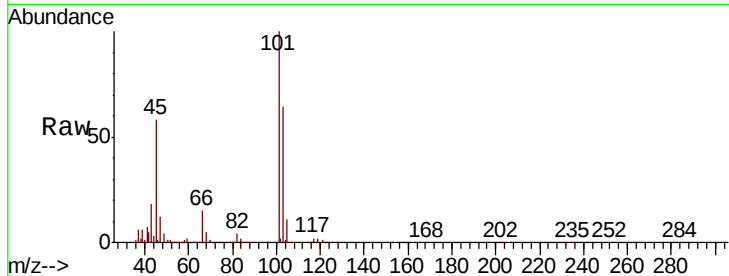
Acq: 17 Aug 2022 7:32

Tot Ion: 45 Resp: 793459

Ion Ratio Lower Upper

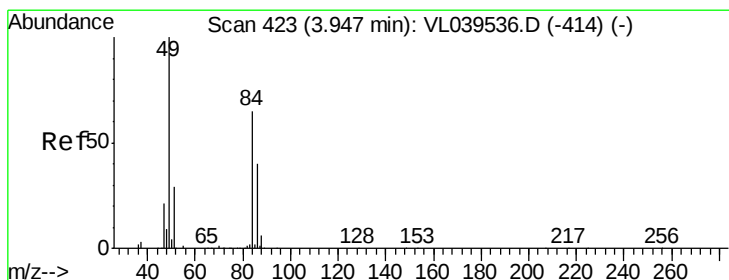
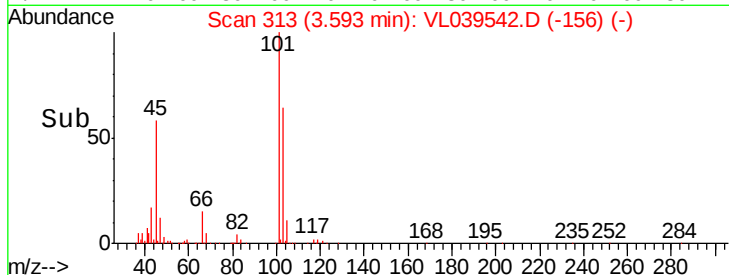
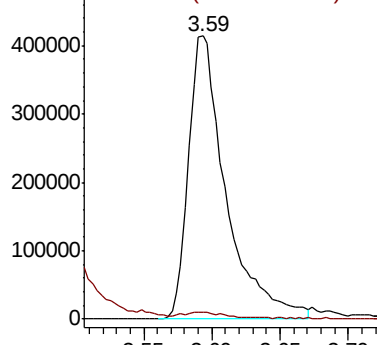
45 100

58 3.6 0.0 0.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 11.492 ppbv

RT: 3.95 min Scan# 424

Delta R.T. 0.00 min

Lab File: VL039542.D

Acq: 17 Aug 2022 7:32

Tgt Ion: 84 Resp: 596865

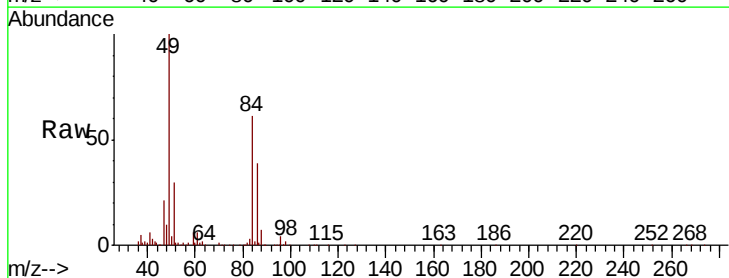
Ion Ratio Lower Upper

84 100

49 162.0 122.2 183.4

51 47.5 35.8 53.6

86 64.6 48.4 72.6

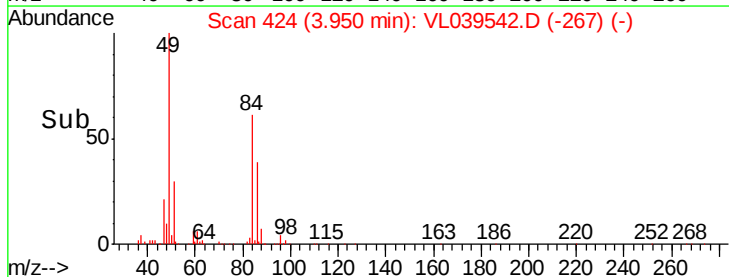
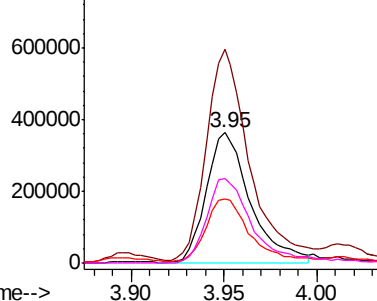


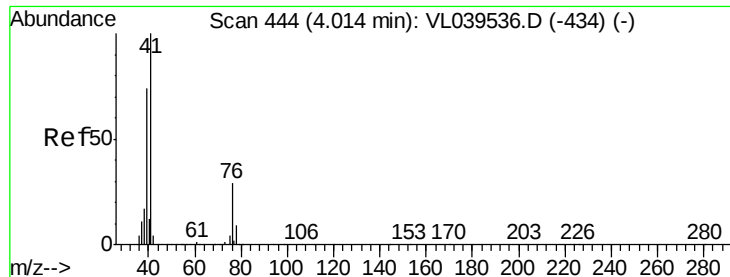
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

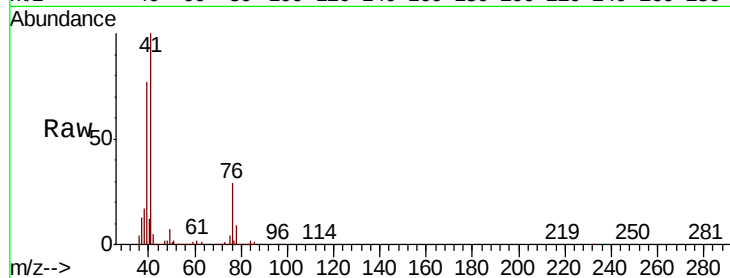




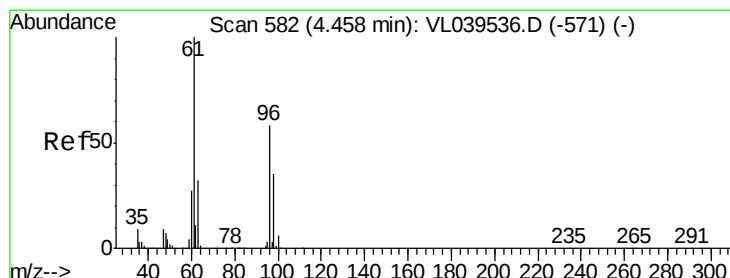
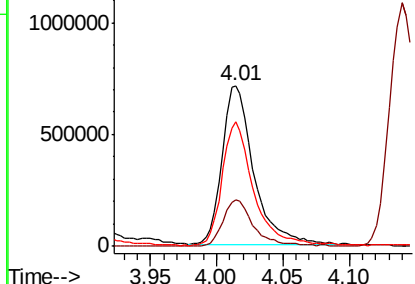
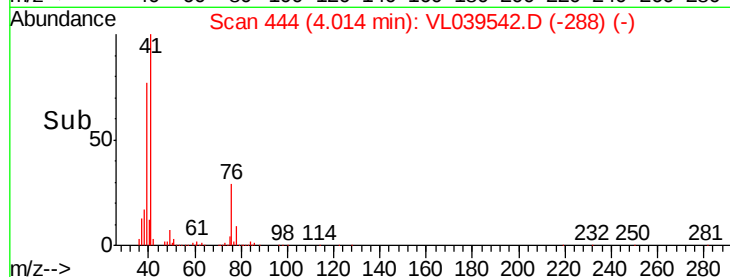
#21
 Allvl Chloride
 Concen: 13.145 ppbv
 RT: 4.01
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC0015
 Acq: 17 Aug 2022 7:32

Tot Ion: 41 Resp: 1189214

Ion	Ratio	Lower	Upper
41	100		
76	28.7	23.1	34.7
39	76.5	63.4	95.2



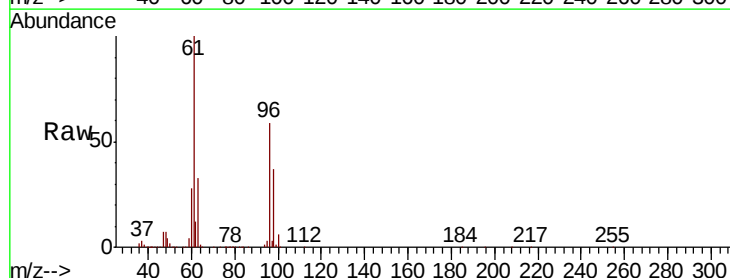
Abundance Ion 41.10 (40.80 to 41.80): VL0
 Ion 76.10 (75.80 to 76.80): VL0
 Ion 39.10 (38.80 to 39.80): VL0



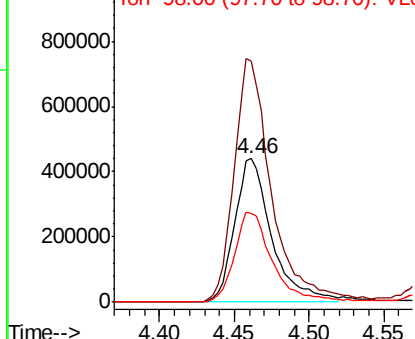
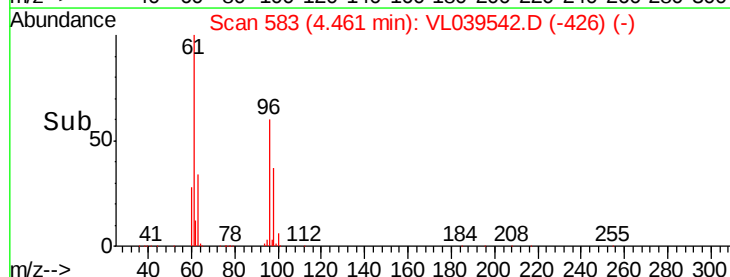
#22
 trans-1,2-Dichloroethene
 Concen: 13.251 ppbv
 RT: 4.46 min Scan# 583
 Delta R.T. 0.00 min
 Lab File: VL039542.D
 Acq: 17 Aug 2022 7:32

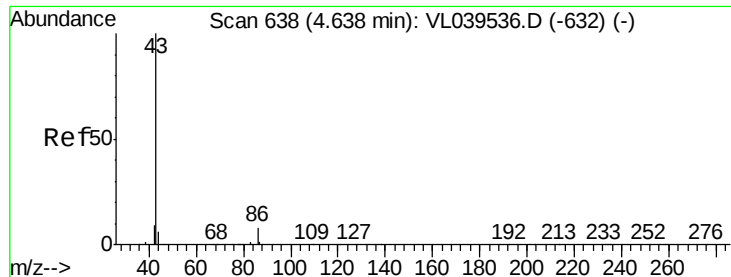
Tgt Ion: 96 Resp: 758563

Ion	Ratio	Lower	Upper
96	100		
61	168.3	138.1	207.1
98	62.0	48.8	73.2



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: 10.267 ppbv

RT: 4.64 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VSTDIC015

Acq: 17 Aug 2022 7:32

Tot Ion: 43 Resp: 852787

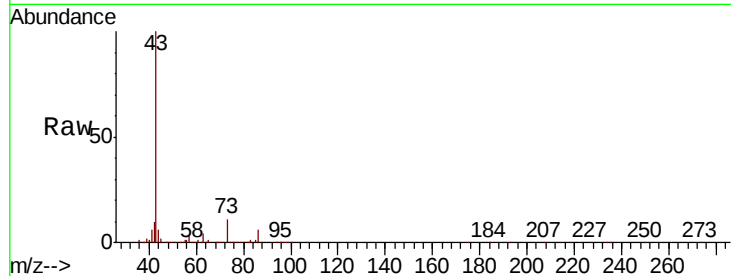
Ion Ratio Lower Upper

43 100

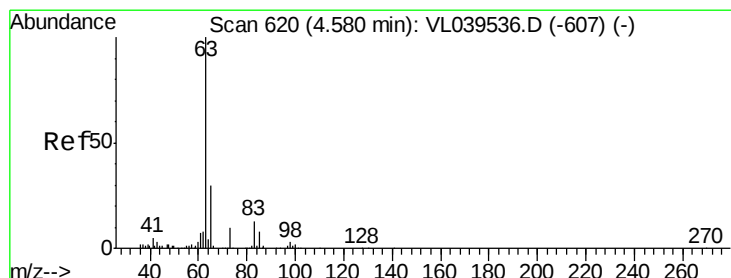
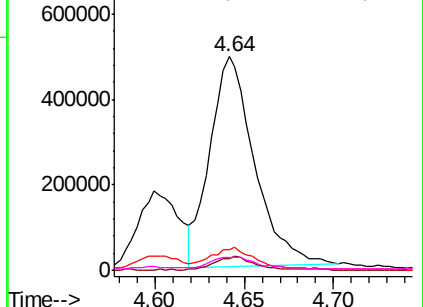
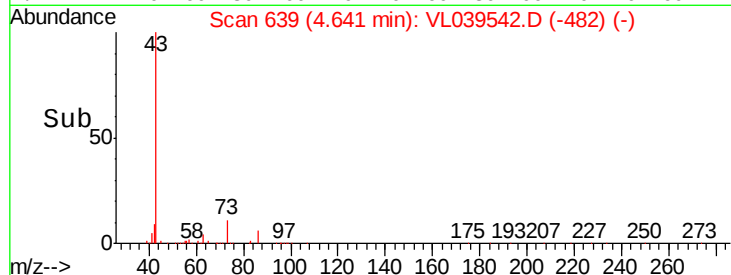
86 5.6 5.3 7.9

42 9.5 8.7 13.1

44 5.4 5.1 7.7



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: 12.391 ppbv

RT: 4.58 min Scan# 620

Delta R.T. 0.00 min

Lab File: VL039542.D

Acq: 17 Aug 2022 7:32

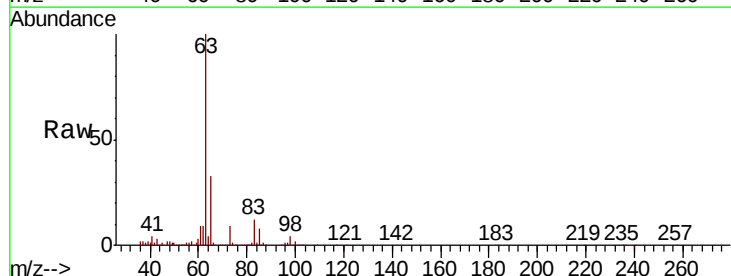
Tgt Ion: 63 Resp: 1526239

Ion Ratio Lower Upper

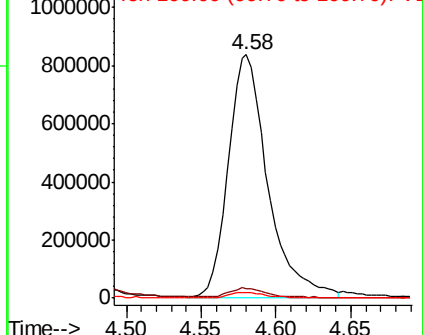
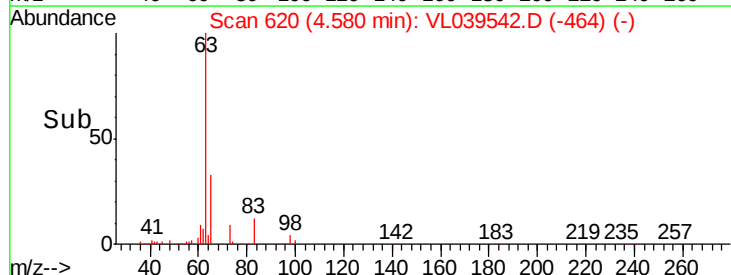
63 100

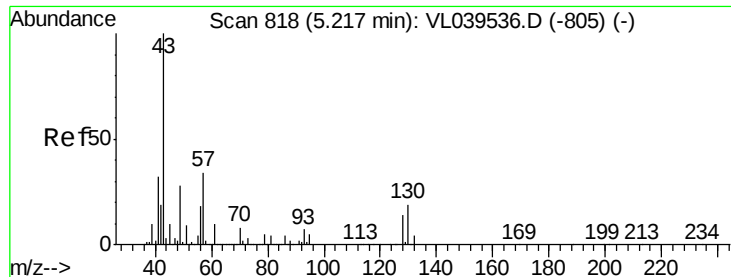
98 3.8 1.7 5.0

100 2.2 1.1 3.3



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

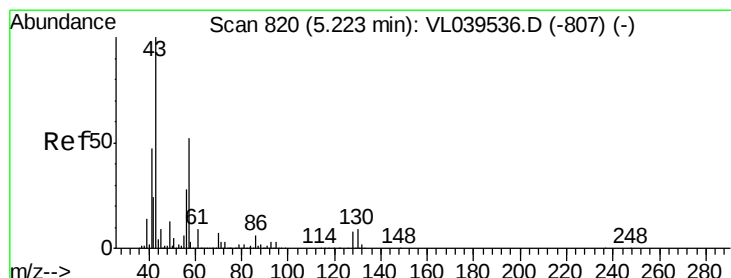
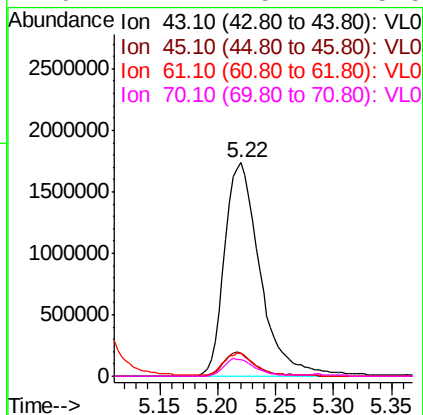
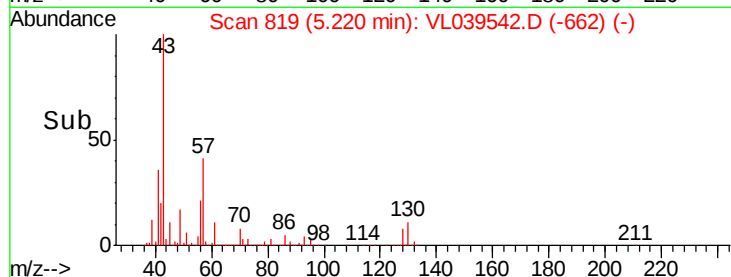
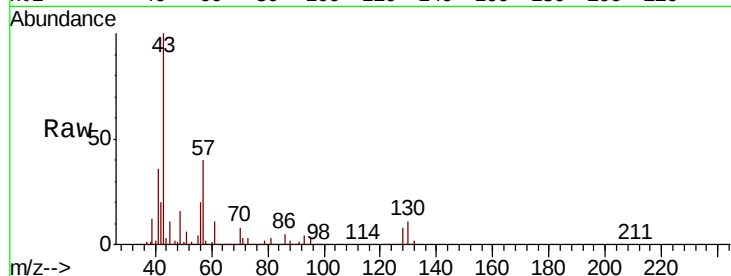




#25
Ethyl Acetate
Concen: 13.608 ppbv
RT: 5.22
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDIC015
Acq: 17 Aug 2022 7:32

Tot Ion: 43 Resp: 3667682

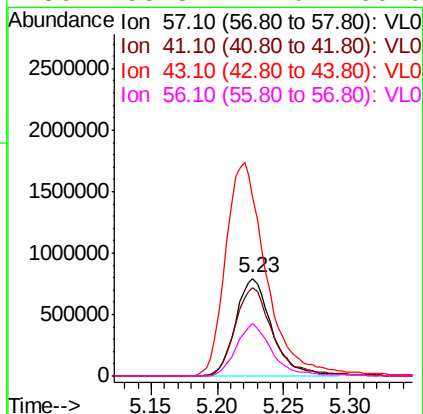
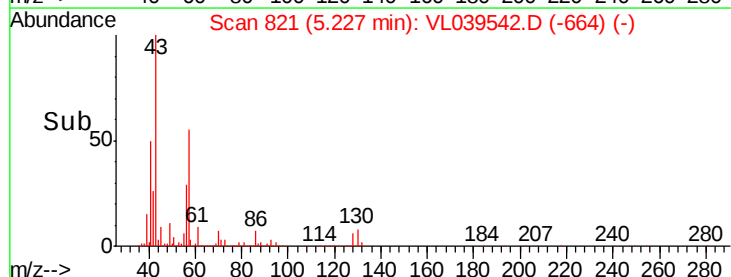
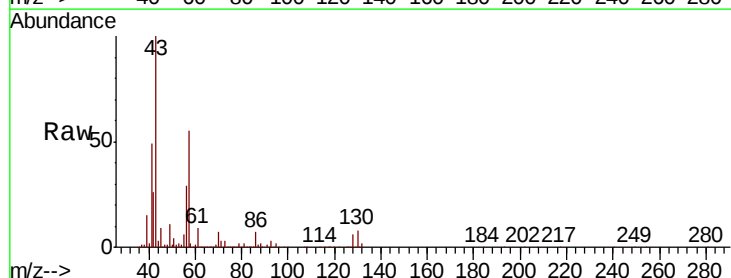
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.2	12.4
61	10.5	8.6	12.8
70	7.2	5.7	8.5

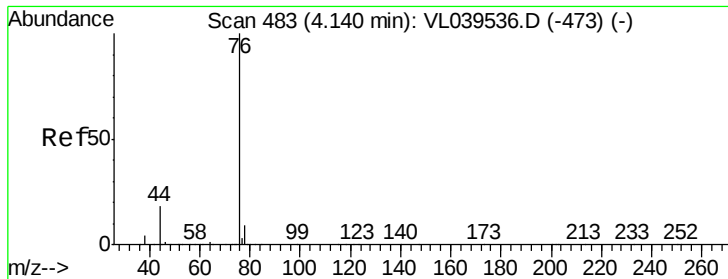


#26
Hexane
Concen: 14.020 ppbv
RT: 5.23 min Scan# 821
Delta R.T.: 0.00 min
Lab File: VL039542.D
Acq: 17 Aug 2022 7:32

Tgt Ion: 57 Resp: 1507278

Ion	Ratio	Lower	Upper
57	100		
41	96.2	79.4	119.2
43	247.1	199.7	299.5
56	53.3	44.0	66.0





#27

Carbon Disulfide

Concen: 14.580 ppbv

RT: 4.14 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDIC015

Acq: 17 Aug 2022 7:32

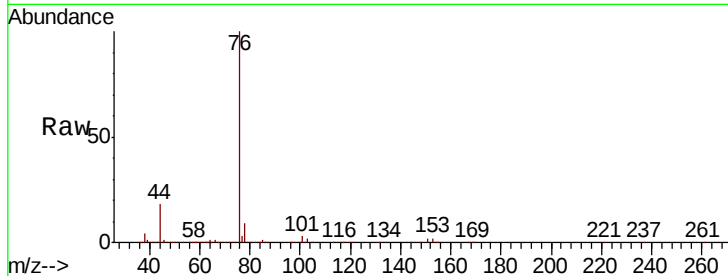
Tot Ion: 76 Resp: 1889674

Ion	Ratio	Lower	Upper
76	100		
44	18.4	16.3	24.5
78	9.3	7.8	11.6

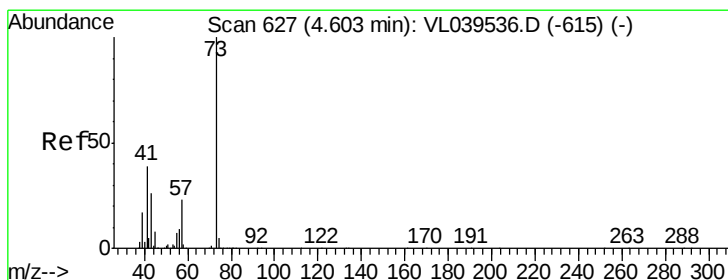
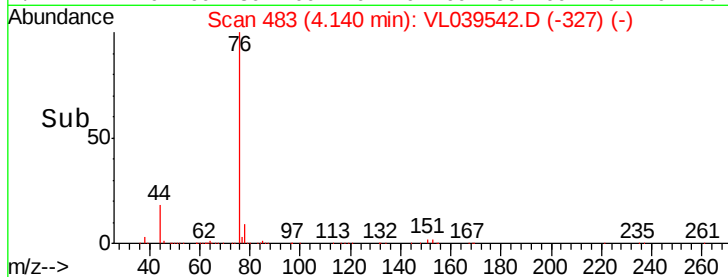
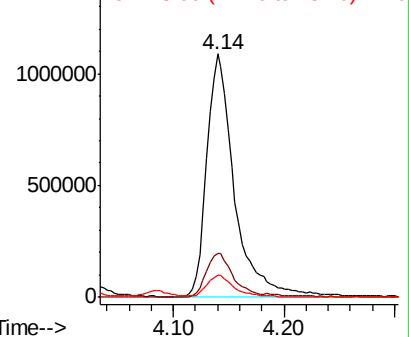
76 100

44 18.4 16.3 24.5

78 9.3 7.8 11.6



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: 11.239 ppbv

RT: 4.60 min Scan# 627

Delta R.T. 0.00 min

Lab File: VL039542.D

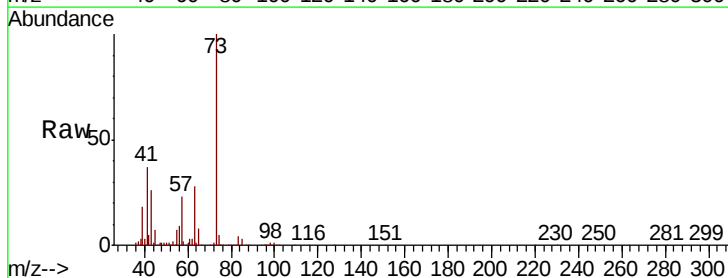
Acq: 17 Aug 2022 7:32

Tgt Ion: 73 Resp: 1276495

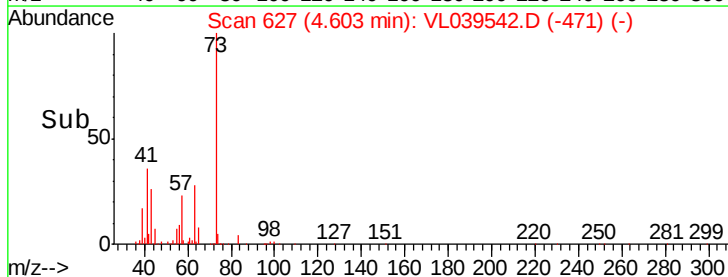
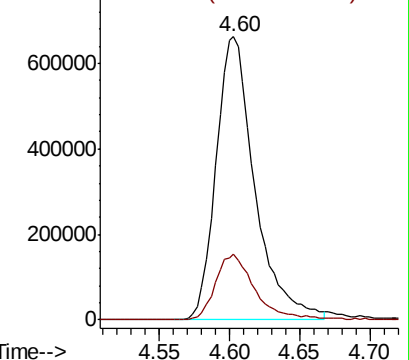
Ion	Ratio	Lower	Upper
73	100		
57	24.1	19.8	29.6

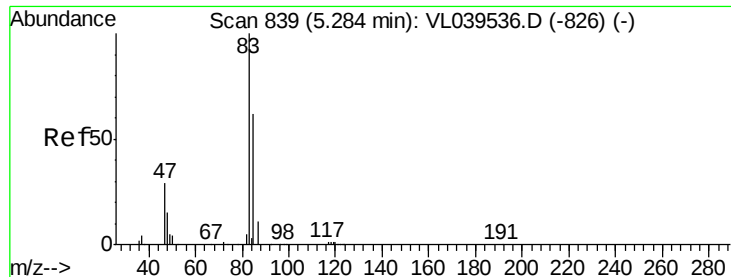
73 100

57 24.1 19.8 29.6



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 12.473 ppbv

RT: 5.29 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDIC015

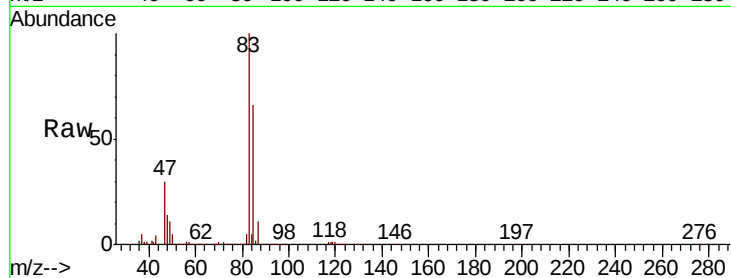
Acq: 17 Aug 2022 7:32

Tot Ion: 83 Resp: 2327984

Ion Ratio Lower Upper

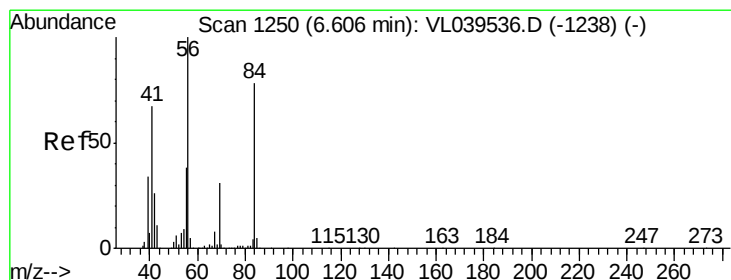
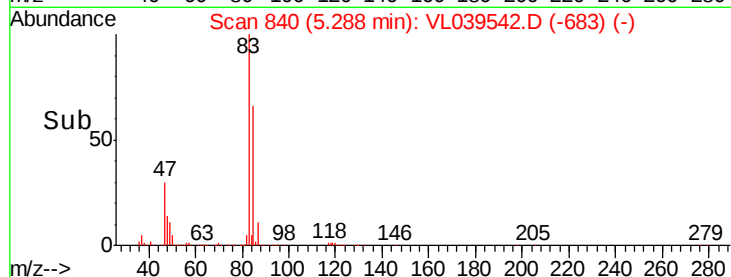
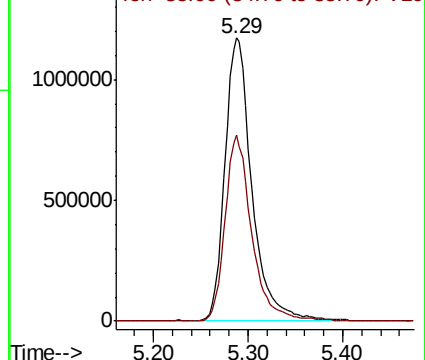
83 100

85 65.8 49.8 74.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 13.174 ppbv

RT: 6.61 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VL039542.D

Acq: 17 Aug 2022 7:32

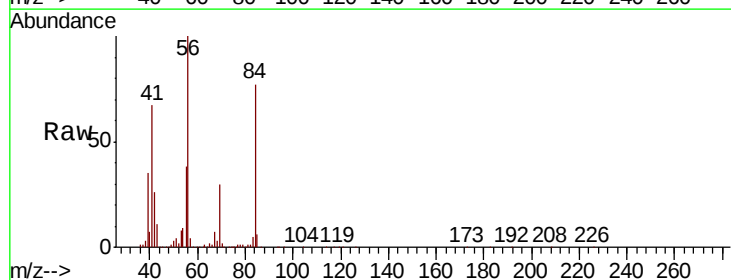
Tgt Ion: 84 Resp: 1290295

Ion Ratio Lower Upper

84 100

56 137.0 0.0 0.0#

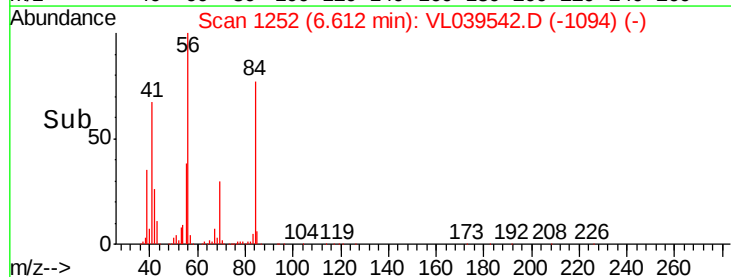
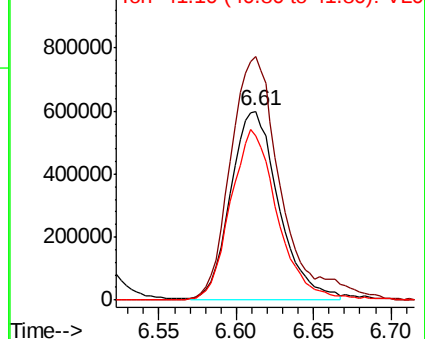
41 89.2 0.0 0.0#

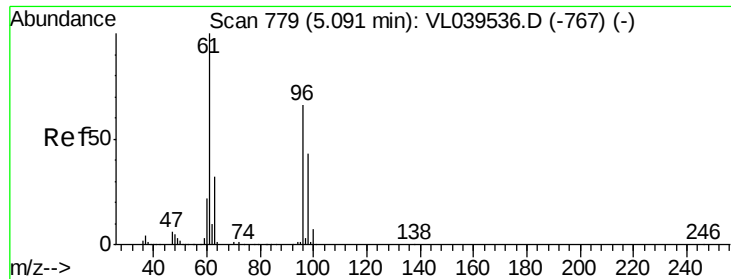


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 13.377 ppbv

RT: 5.09 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VSTDIC015

Acq: 17 Aug 2022 7:32

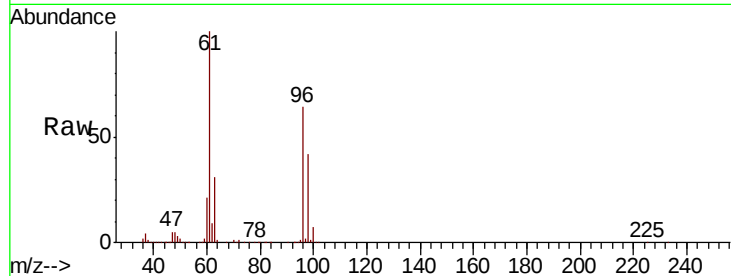
Tot Ion: 61 Resp: 1526609

Ion Ratio Lower Upper

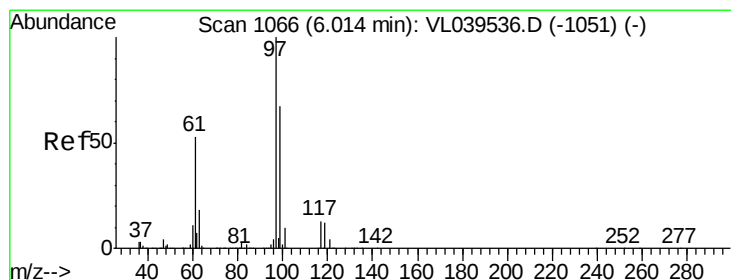
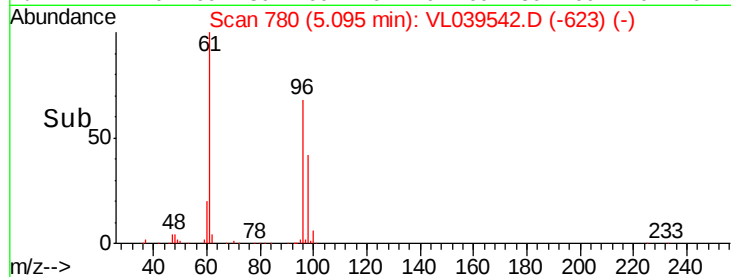
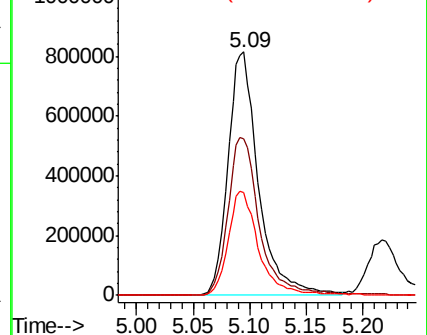
61 100

96 64.1 52.9 79.3

98 42.2 34.5 51.7



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: 12.182 ppbv

RT: 6.01 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VL039542.D

Acq: 17 Aug 2022 7:32

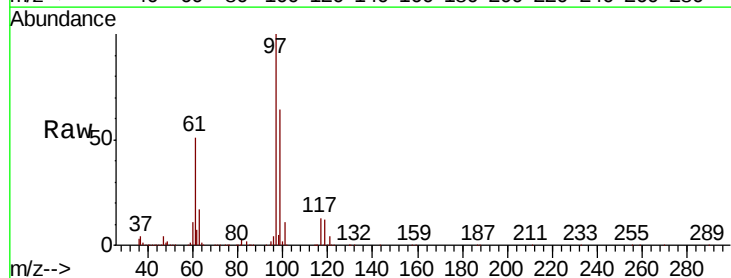
Tgt Ion: 97 Resp: 2246203

Ion Ratio Lower Upper

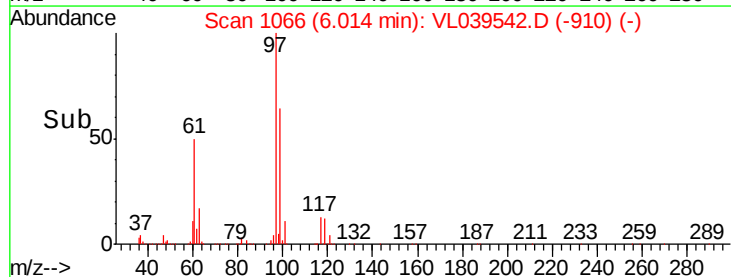
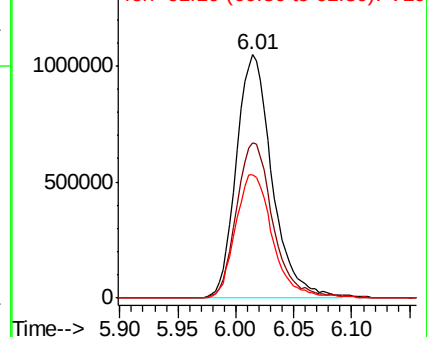
97 100

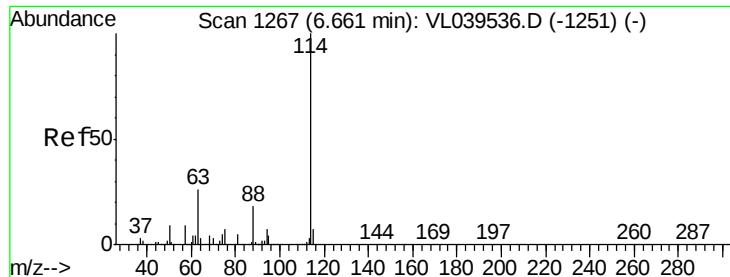
99 65.6 52.4 78.6

61 52.4 42.9 64.3



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: 6.66 Instrument: MSVOA_1

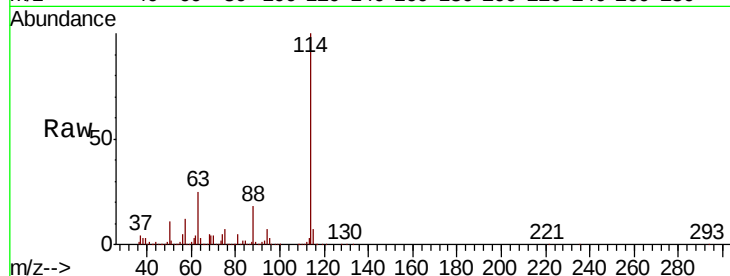
Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDIC015

Acq: 17 Aug 2022 7:32

Tot Ion:114 Resp: 2943763

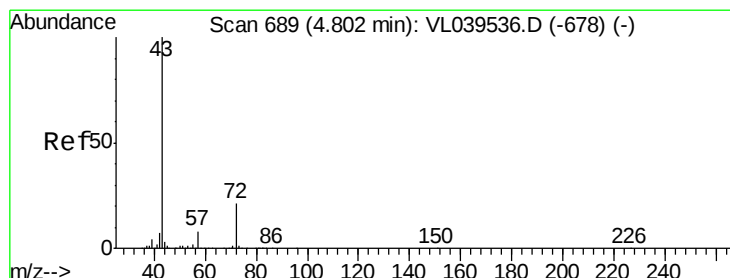
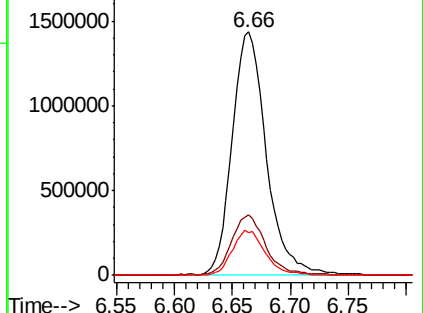
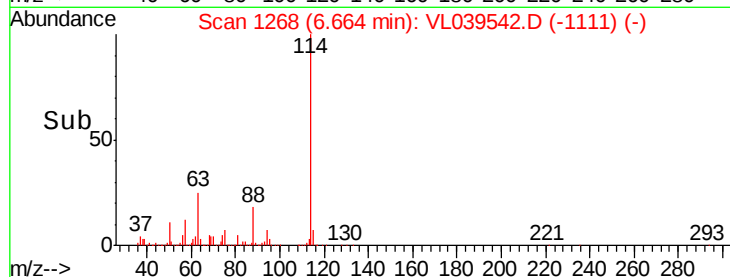
Ion	Ratio	Lower	Upper
114	100		
63	25.4	20.6	31.0
88	18.1	14.6	22.0



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 13.467 ppbv

RT: 4.80 min Scan# 689

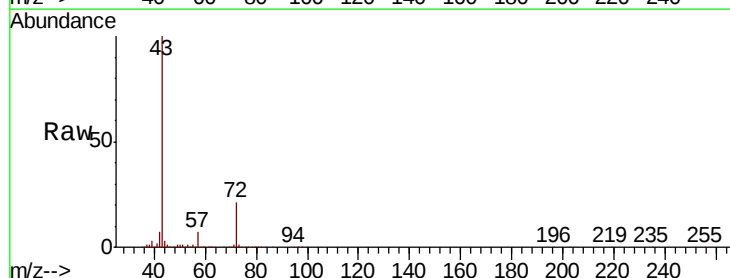
Delta R.T. 0.00 min

Lab File: VL039542.D

Acq: 17 Aug 2022 7:32

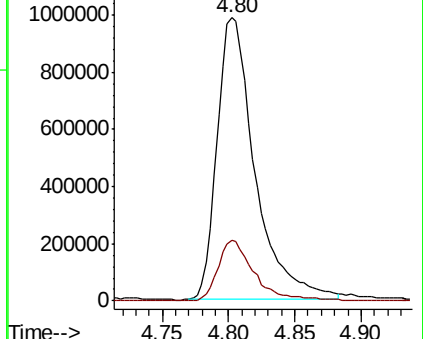
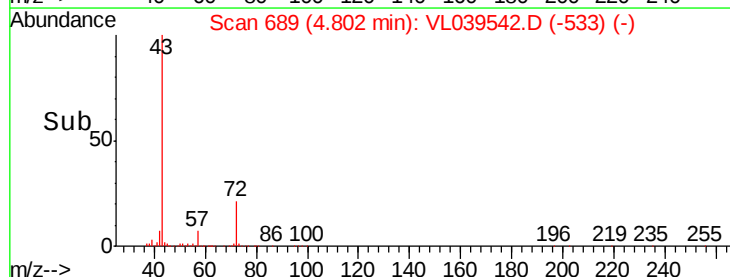
Tgt Ion: 43 Resp: 1970314

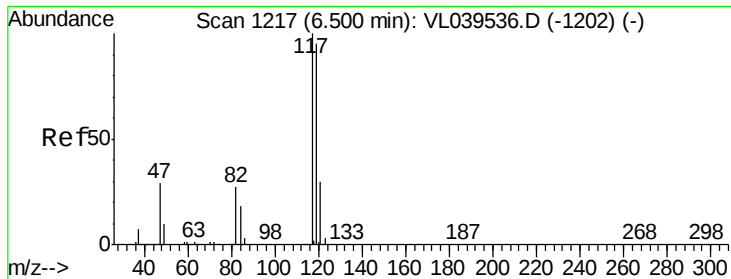
Ion	Ratio	Lower	Upper
43	100		
72	21.2	17.4	26.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 13.432 ppbv

RT: 6.50 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC015

Acq: 17 Aug 2022 7:32

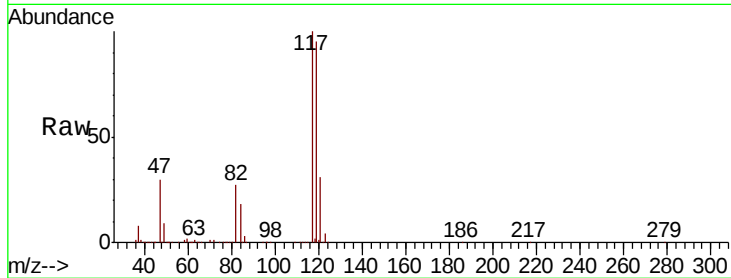
Tot Ion:117 Resp: 2408524

Ion Ratio Lower Upper

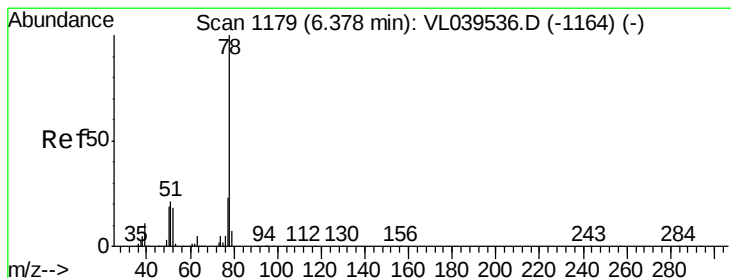
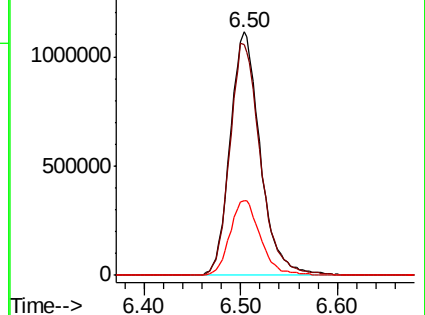
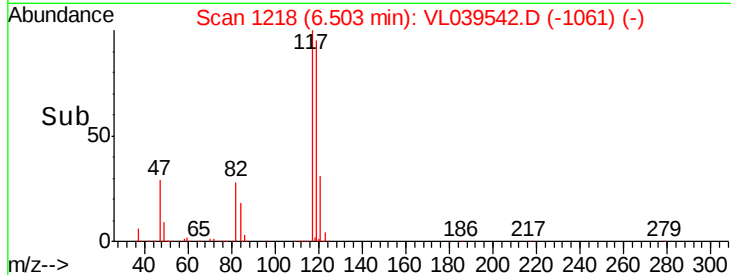
117 100

119 94.8 76.2 114.4

121 30.5 24.4 36.6



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



#36

Benzene

Concen: 14.143 ppbv

RT: 6.38 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VL039542.D

Acq: 17 Aug 2022 7:32

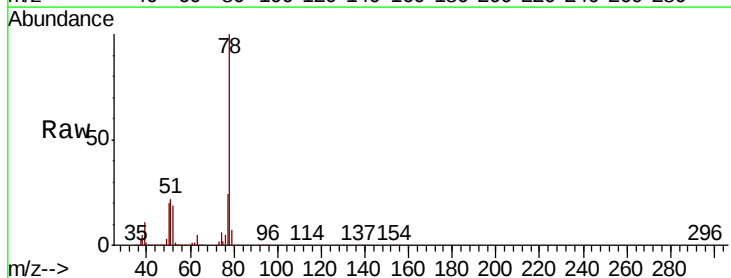
Tgt Ion: 78 Resp: 3206399

Ion Ratio Lower Upper

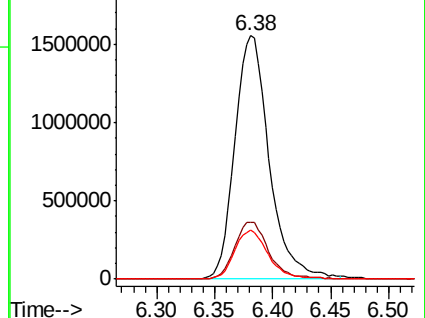
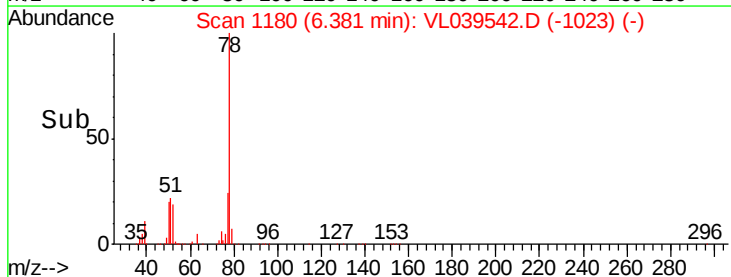
78 100

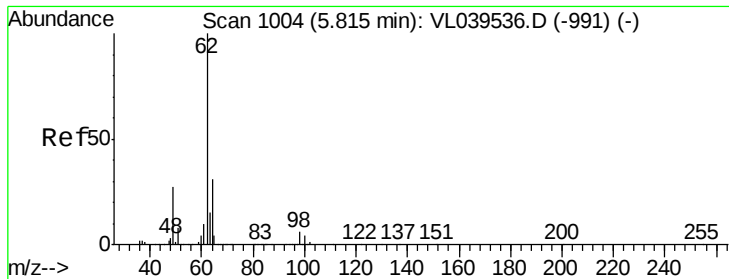
77 23.5 18.6 27.8

50 20.2 15.0 22.4



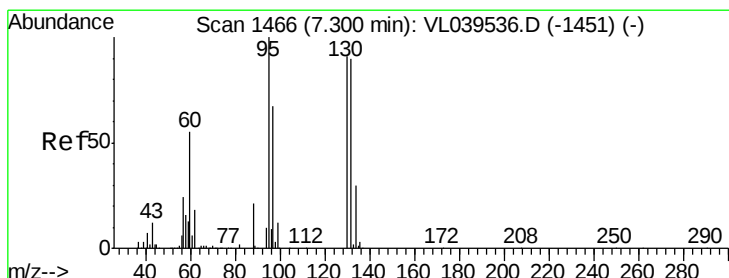
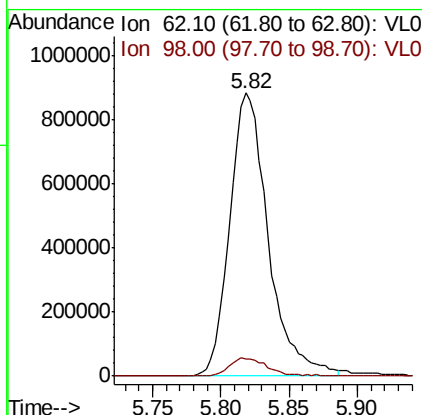
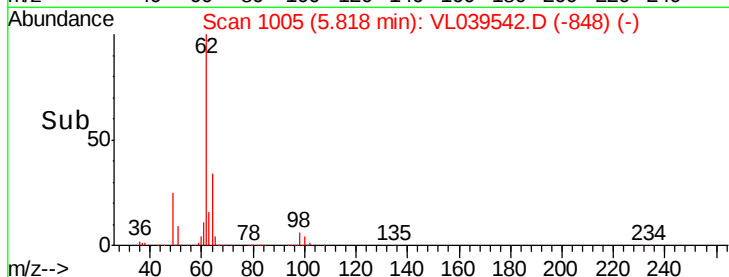
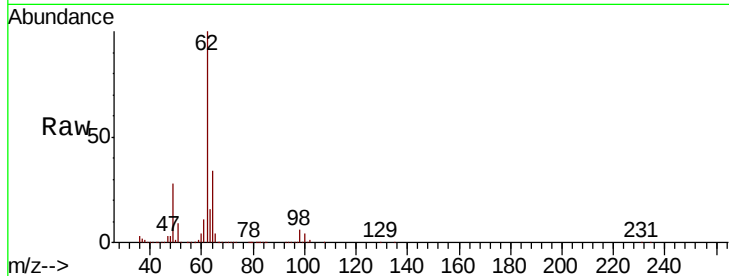
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





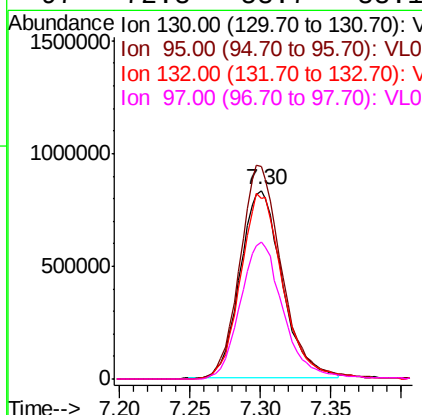
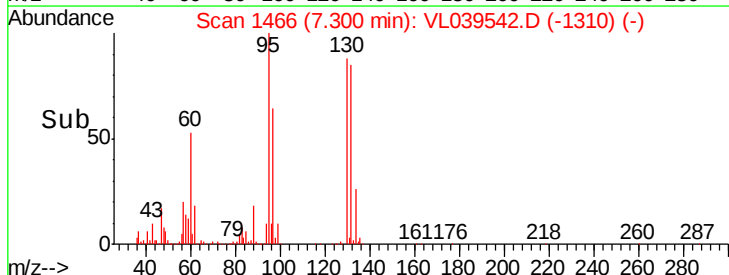
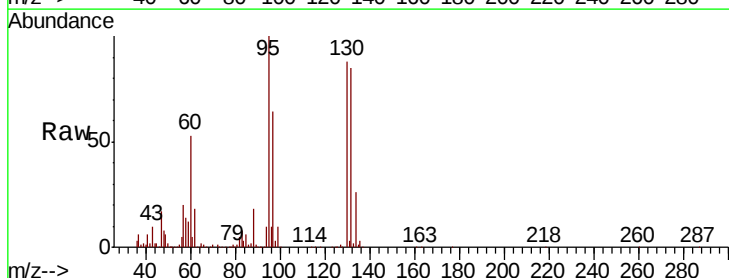
#37
 1,2-Dichloroethane
 Concen: 13.101 ppbv
 RT: 5.82
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 17 Aug 2022 7:32

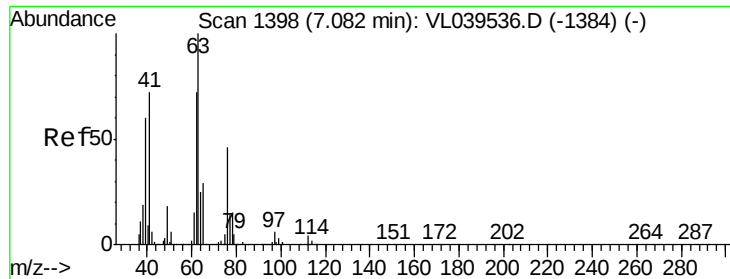
Tot Ion: 62 Resp: 1735504
 Ion Ratio Lower Upper
 62 100
 98 6.7 5.4 8.2



#38
 Trichloroethene
 Concen: 14.137 ppbv
 RT: 7.30 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VL039542.D
 Acq: 17 Aug 2022 7:32

Tgt Ion:130 Resp: 1747721
 Ion Ratio Lower Upper
 130 100
 95 113.5 88.0 132.0
 132 96.4 79.1 118.7
 97 72.8 58.7 88.1





#39

1,2-Dichloropropane

Concen: 14.603 ppbv

RT: 7.08 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDIC0015

Acq: 17 Aug 2022 7:32

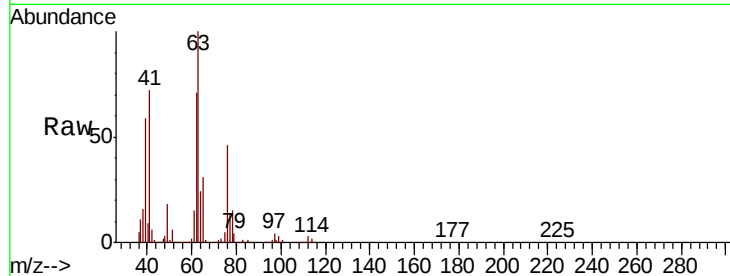
Tot Ion: 63 Resp: 1235676

Ion Ratio Lower Upper

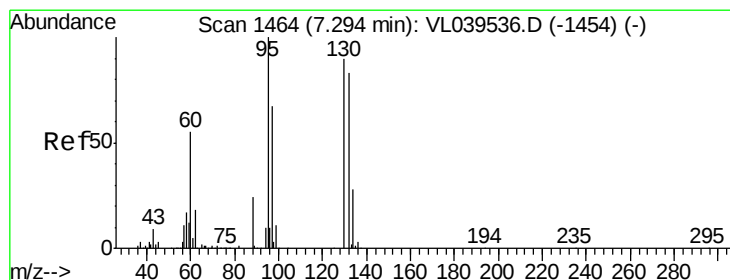
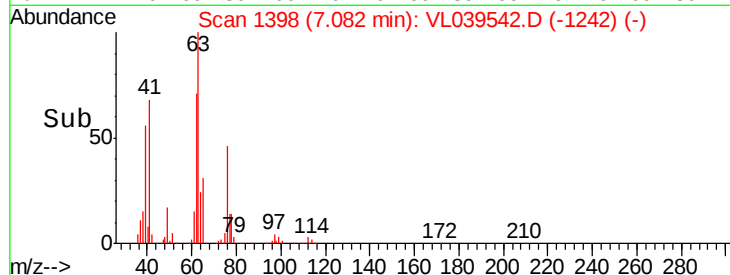
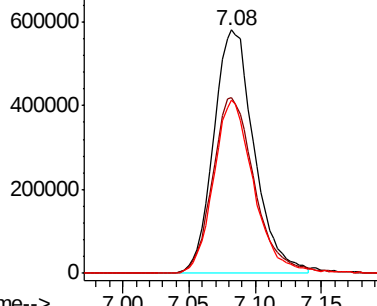
63 100

41 72.2 58.0 87.0

62 71.0 57.8 86.8



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: 12.950 ppbv

RT: 7.30 min Scan# 1465

Delta R.T. 0.00 min

Lab File: VL039542.D

Acq: 17 Aug 2022 7:32

Tgt Ion: 88 Resp: 433746

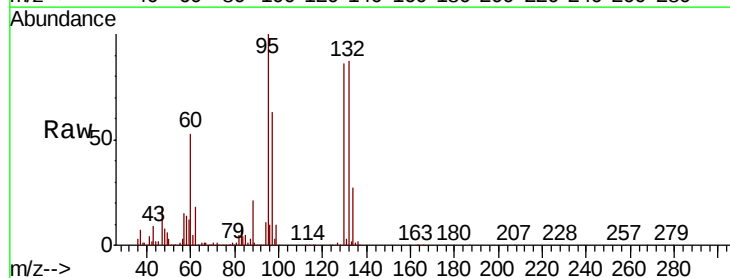
Ion Ratio Lower Upper

88 100

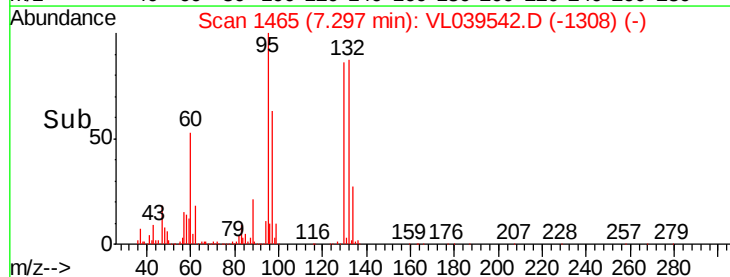
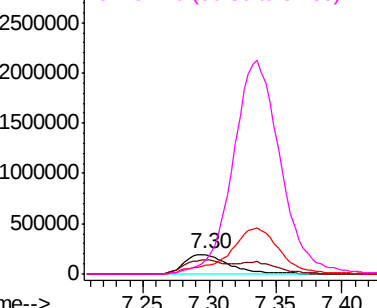
58 131.5 102.8 154.2

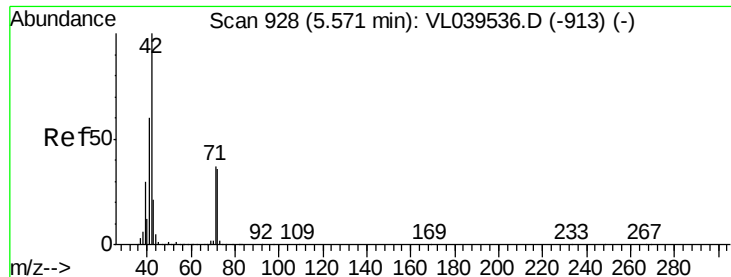
43 285.1 216.2 324.2

57 1227.5 910.0 1365.0



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: 15.617 ppbv

RT: 5.57 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDIC015

Acq: 17 Aug 2022 7:32

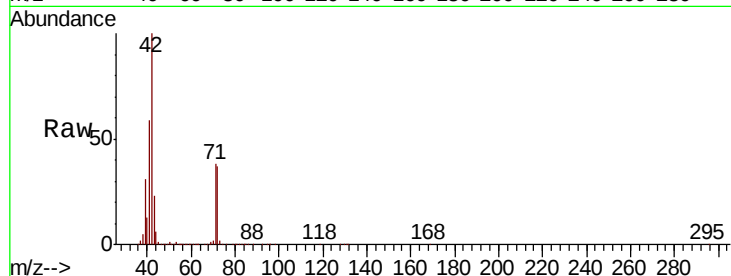
Tot Ion: 42 Resp: 1335828

Ion Ratio Lower Upper

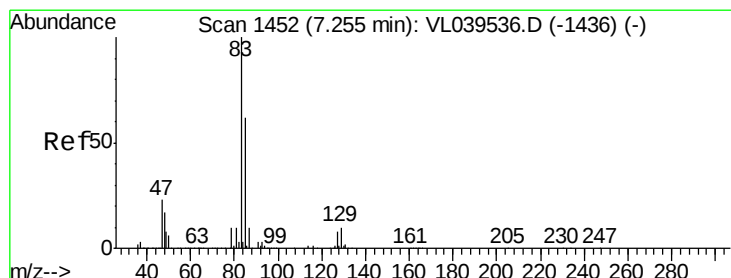
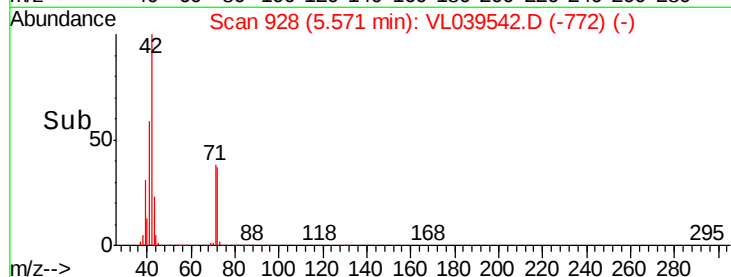
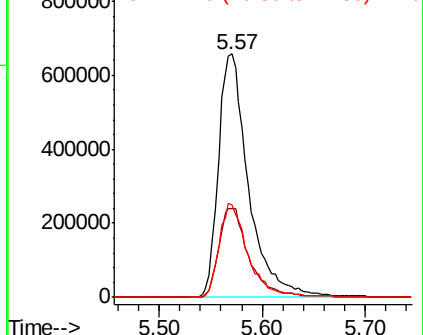
42 100

72 37.2 30.6 45.8

71 37.3 30.7 46.1



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: 14.255 ppbv

RT: 7.26 min Scan# 1453

Delta R.T. 0.00 min

Lab File: VL039542.D

Acq: 17 Aug 2022 7:32

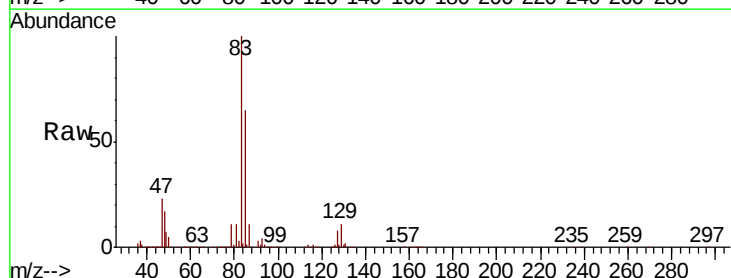
Tgt Ion: 83 Resp: 2549345

Ion Ratio Lower Upper

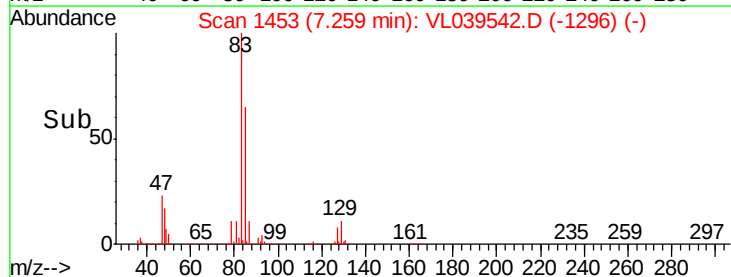
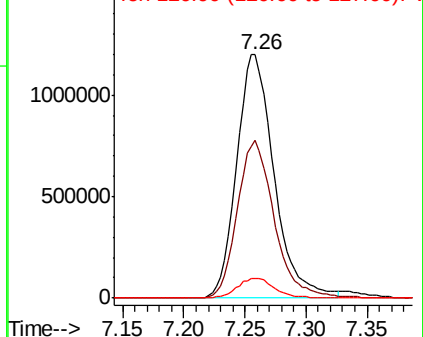
83 100

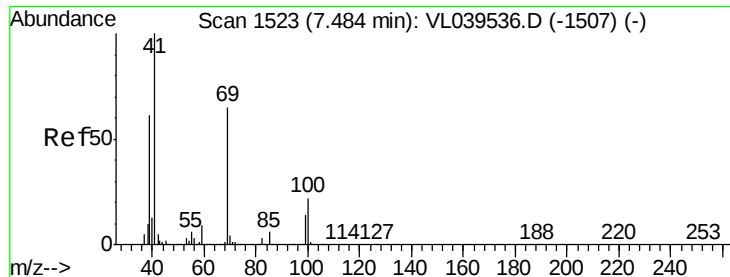
85 64.7 49.9 74.9

127 8.0 6.7 10.1



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: 15.042 ppbv

RT: 7.48

Instrument: MSVOA_1

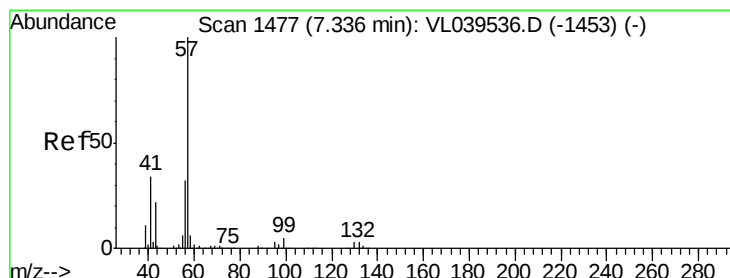
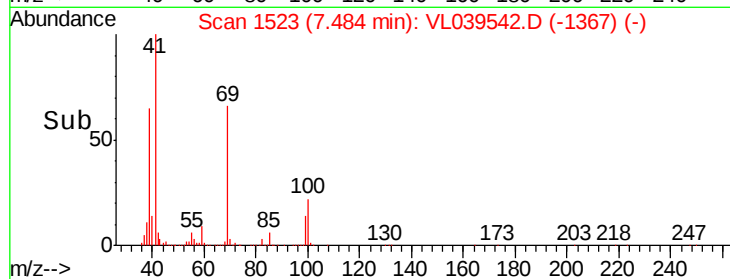
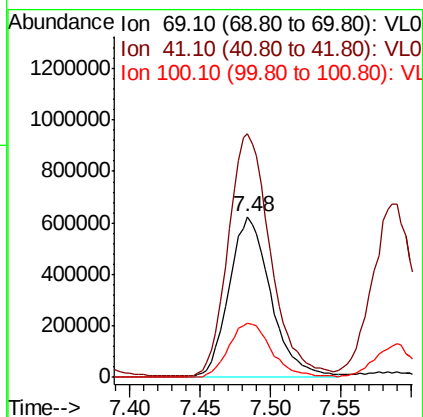
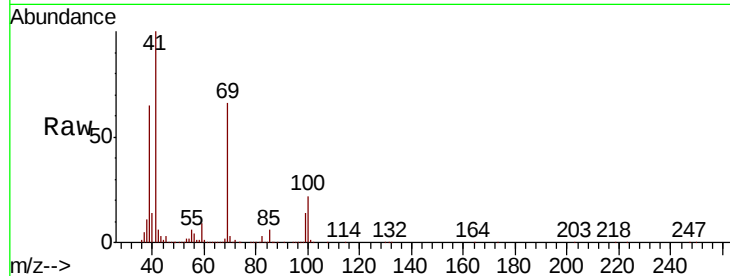
Delta R.T. ClientSampleId:

Lab File: VSTDIC015

Acq: 17 Aug 2022 7:32

Tot Ion: 69 Resp: 1289739

Ion	Ratio	Lower	Upper
69	100		
41	155.1	123.0	184.6
100	34.5	27.4	41.2



#44

2,2,4-Trimethylpentane

Concen: 13.856 ppbv

RT: 7.34 min Scan# 1477

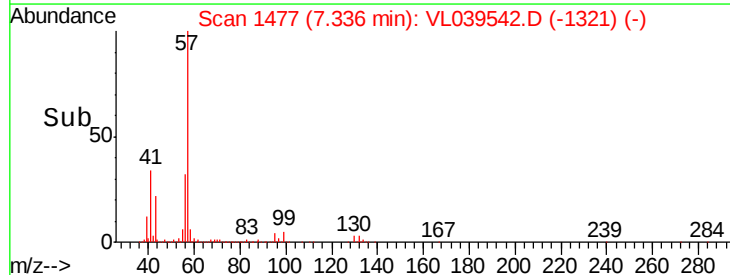
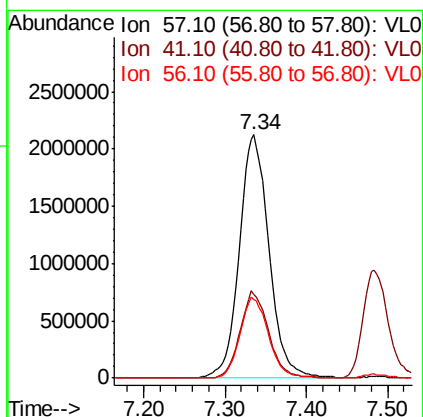
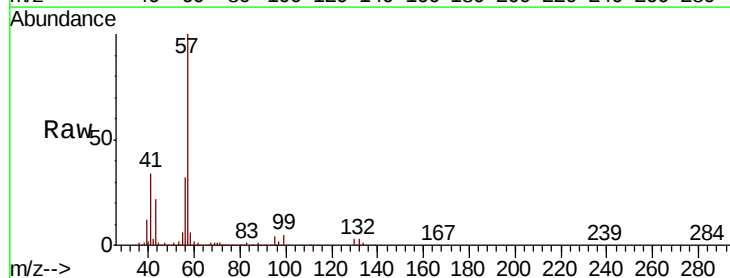
Delta R.T. 0.00 min

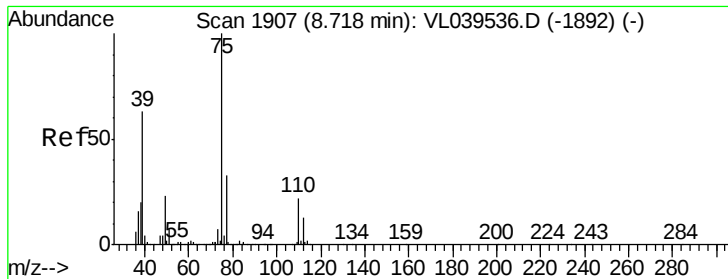
Lab File: VL039542.D

Acq: 17 Aug 2022 7:32

Tgt Ion: 57 Resp: 5318344

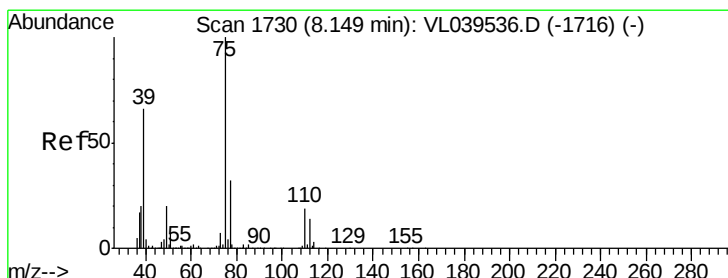
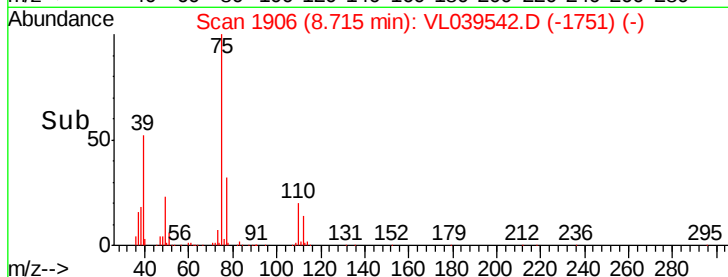
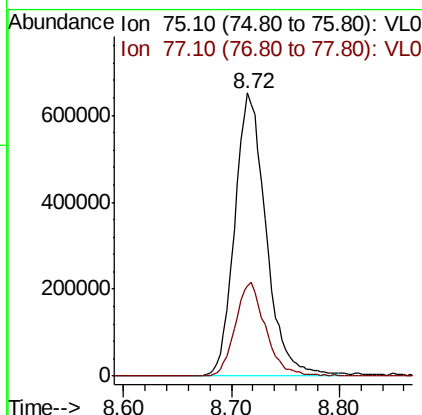
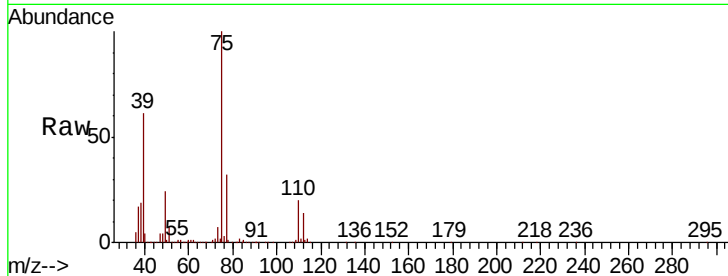
Ion	Ratio	Lower	Upper
57	100		
41	34.1	27.8	41.6
56	32.0	25.5	38.3





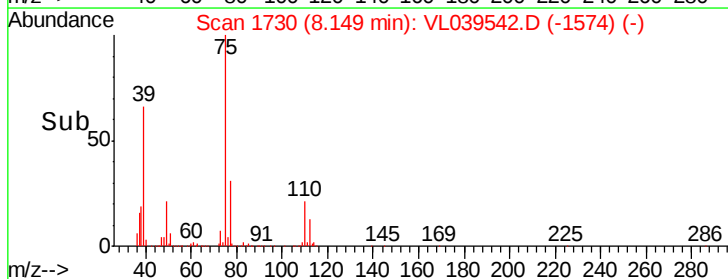
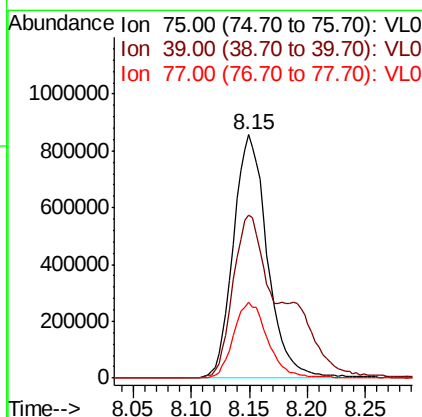
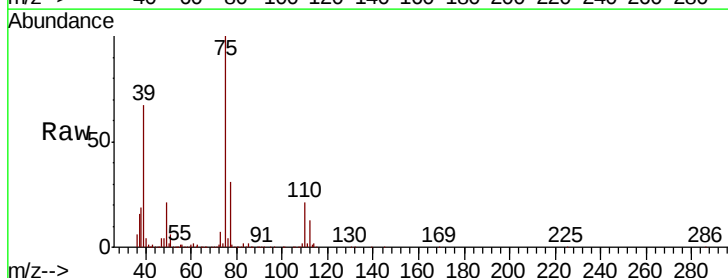
#45
t-1,3-Dichloropropene
Concen: 17.663 ppbv
RT: 8.72
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDIC015
Acq: 17 Aug 2022 7:32

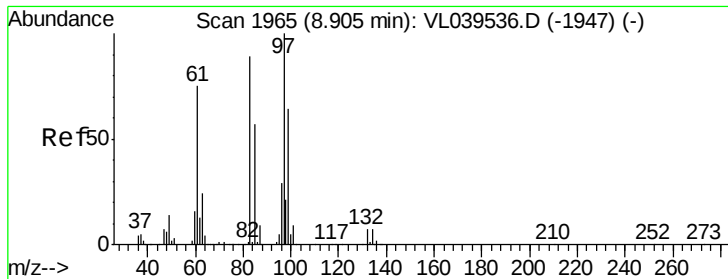
Tot Ion: 75 Resp: 1321231
Ion Ratio Lower Upper
75 100
77 31.6 26.2 39.2



#46
cis-1,3-Dichloropropene
Concen: 16.605 ppbv
RT: 8.15 min Scan# 1730
Delta R.T. 0.00 min
Lab File: VL039542.D
Acq: 17 Aug 2022 7:32

Tgt Ion: 75 Resp: 1734491
Ion Ratio Lower Upper
75 100
39 67.0 52.8 79.2
77 31.2 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 14.134 ppbv

RT: 8.90 Instrument:

Delta R.T. MSVOA_L

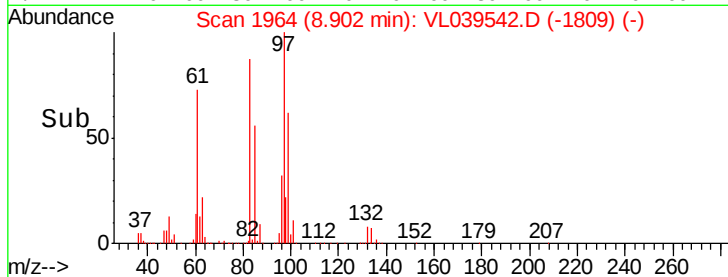
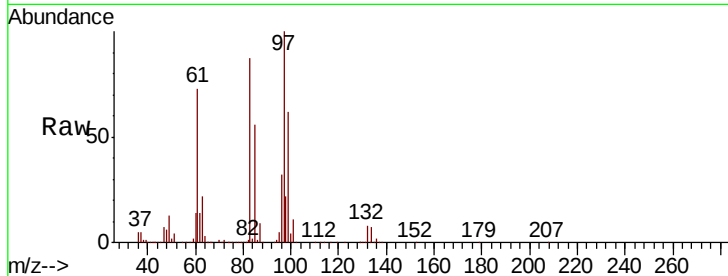
Lab File: ClientSampleId:

VSTDIC015

Acq: 17 Aug 2022 7:32

Tot Ion: 97 Resp: 1341192

Ion	Ratio	Lower	Upper
97	100		
83	87.0	70.8	106.2
85	55.6	45.4	68.2
99	62.0	51.5	77.3

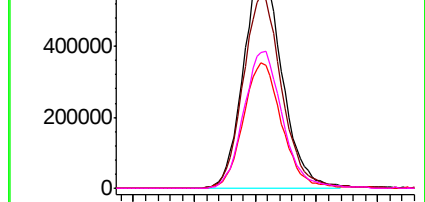


Abundance Ion 97.00 (96.70 to 97.70): VL0

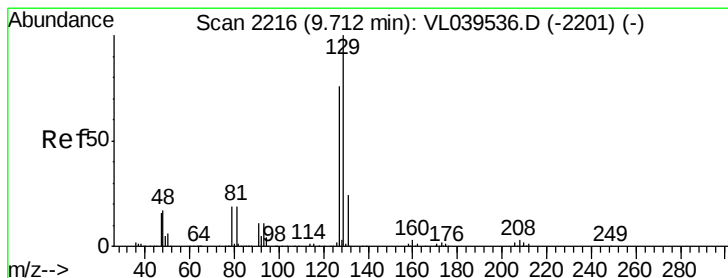
Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



Time--> 8.80 8.85 8.90 8.95 9.00



#48

Dibromochloromethane

Concen: 15.249 ppbv

RT: 9.72 min Scan# 2217

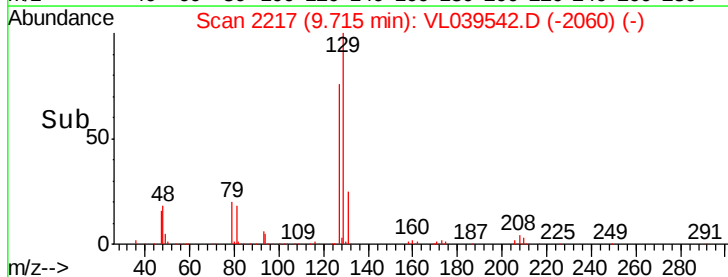
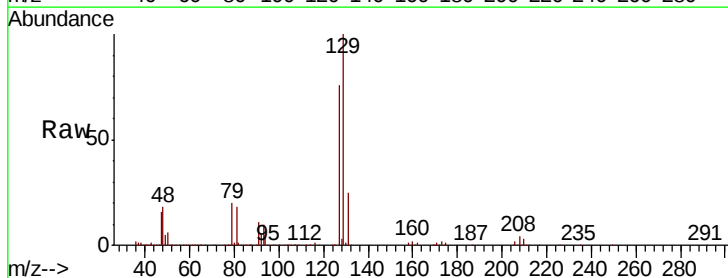
Delta R.T. 0.00 min

Lab File: VL039542.D

Acq: 17 Aug 2022 7:32

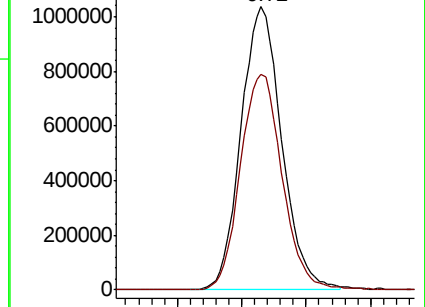
Tgt Ion: 129 Resp: 2283993

Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.8	116.3

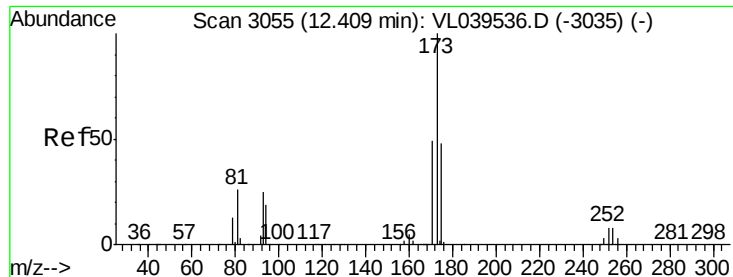


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time--> 9.65 9.70 9.75 9.80



#49

Bromoform

Concen: 16.289 ppbv

RT: 12.41

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

VSTDIC015

Acq: 17 Aug 2022 7:32

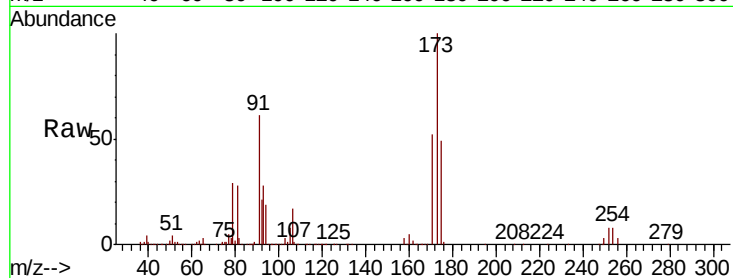
Tot Ion:173 Resp: 1971470

Ion Ratio Lower Upper

173 100

175 49.3 0.0 0.0#

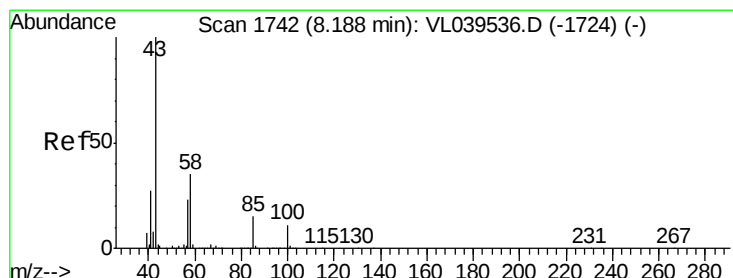
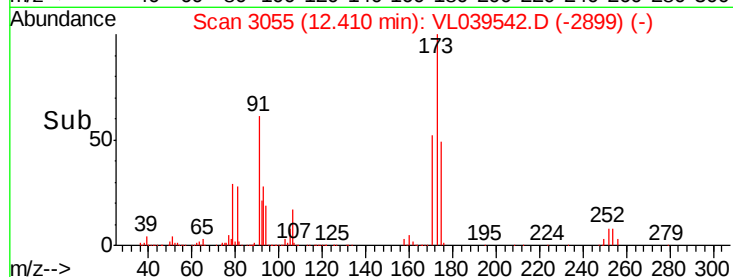
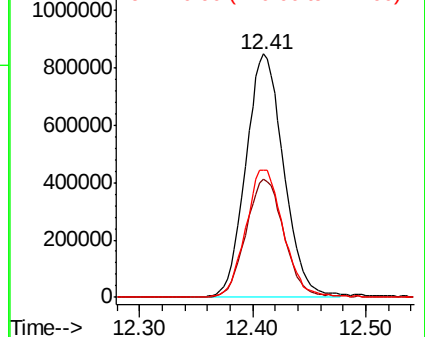
171 52.8 0.0 0.0#



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: 15.414 ppbv

RT: 8.19 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VL039542.D

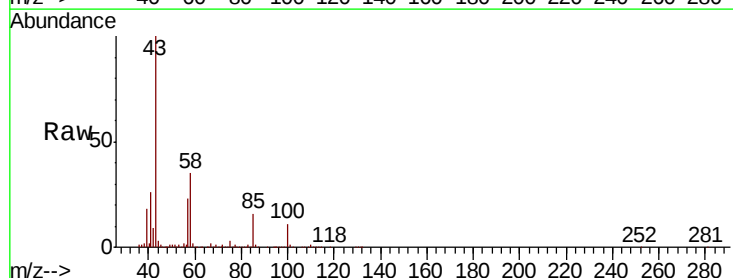
Acq: 17 Aug 2022 7:32

Tgt Ion: 43 Resp: 3453379

Ion Ratio Lower Upper

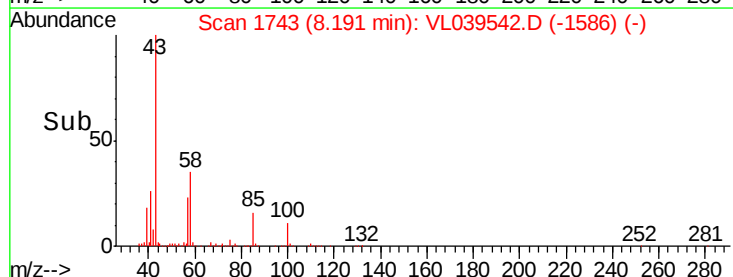
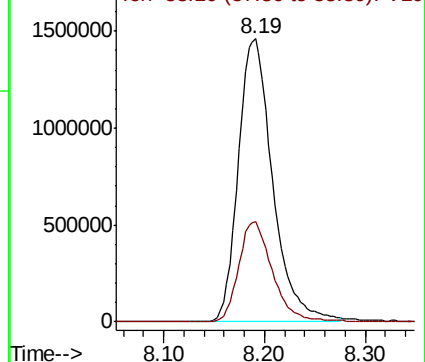
43 100

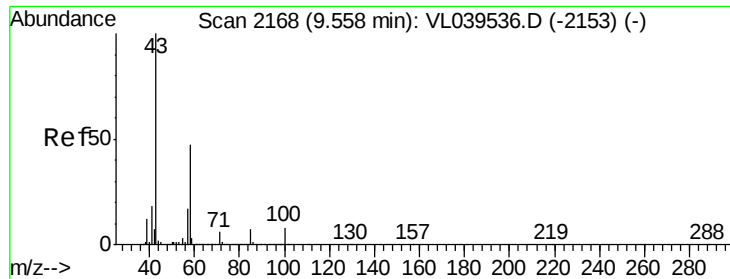
58 35.2 28.0 42.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

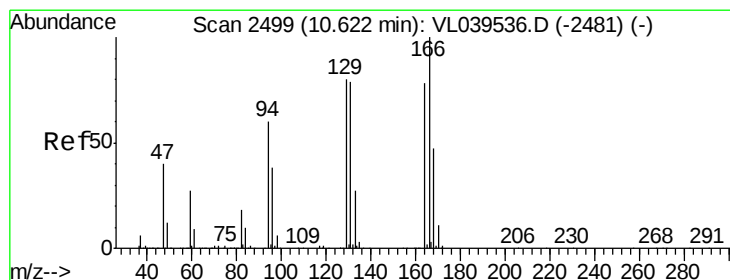
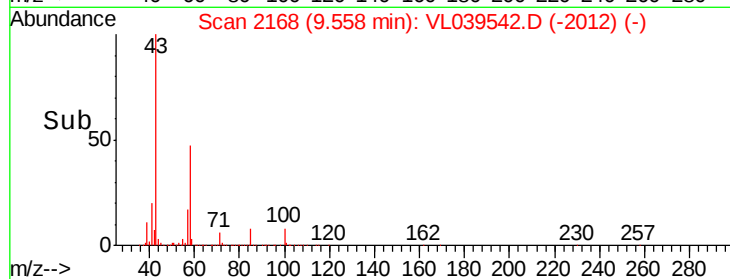
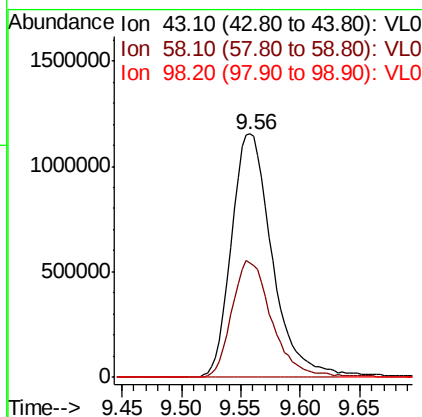
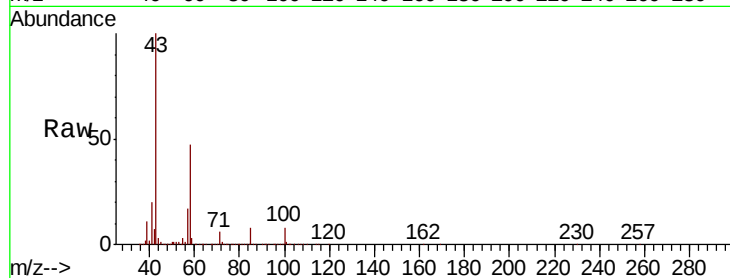




#51
2-Hexanone
Concen: 16.131 ppbv
RT: 9.56
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Aug 2022 7:32

Tot Ion: 43 Resp: 2724498

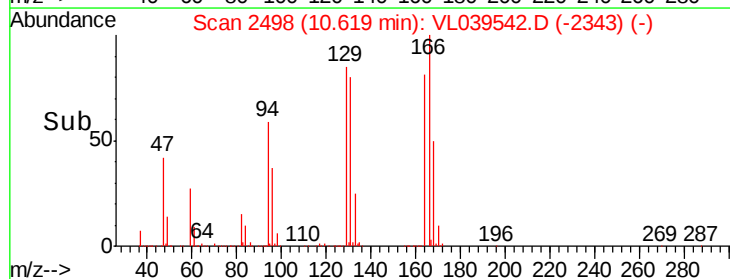
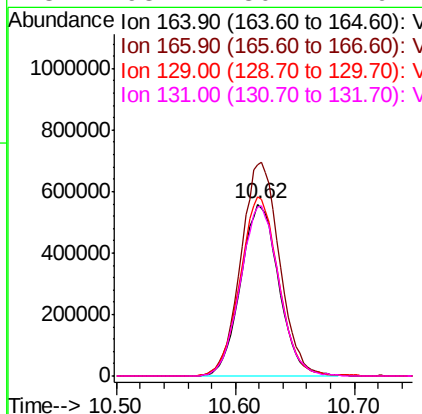
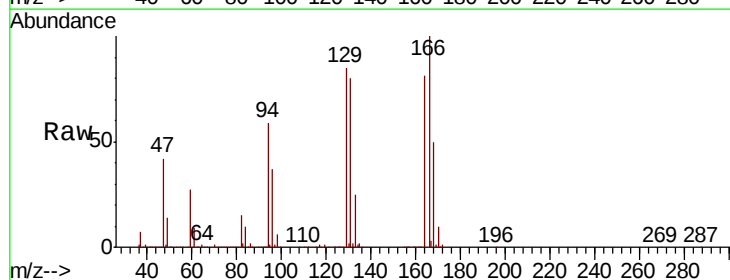
Ion	Ratio	Lower	Upper
43	100		
58	48.0	37.5	56.3
98	0.3	0.5	0.7#

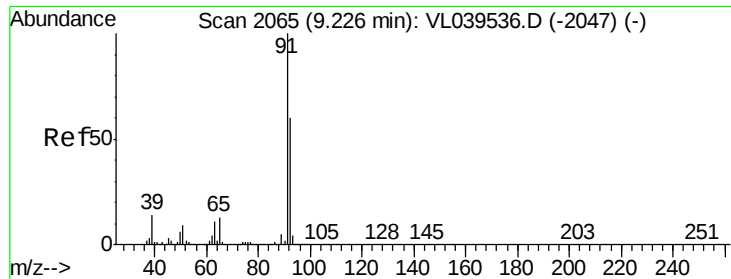


#52
Tetrachloroethene
Concen: 13.612 ppbv
RT: 10.62 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VL039542.D
Acq: 17 Aug 2022 7:32

Tgt Ion: 164 Resp: 1237945

Ion	Ratio	Lower	Upper
164	100		
166	122.7	102.0	153.0
129	104.2	81.7	122.5
131	98.2	80.2	120.2





#53

Toluene

Concen: 14.752 ppbv

RT: 9.23 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

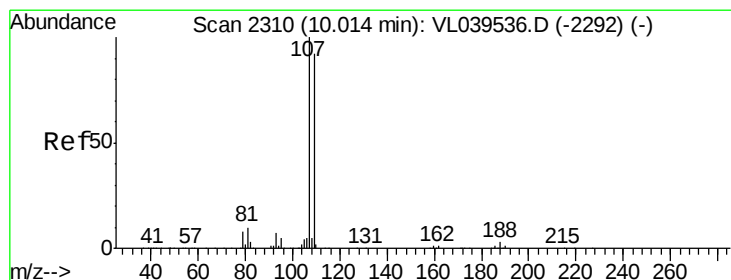
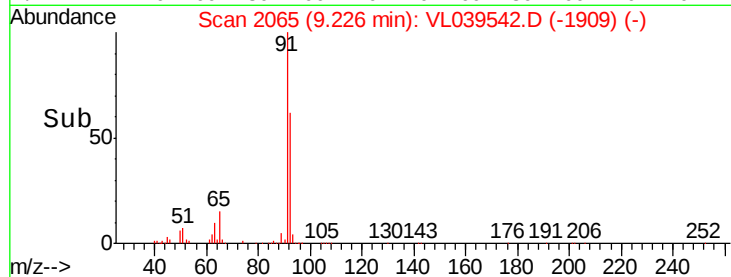
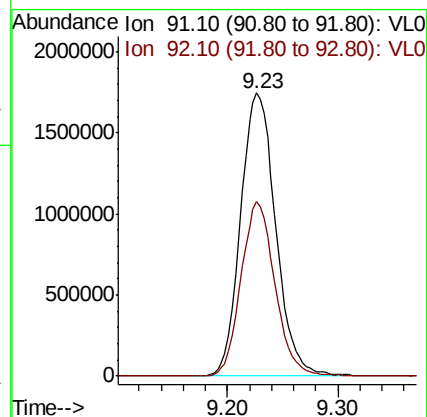
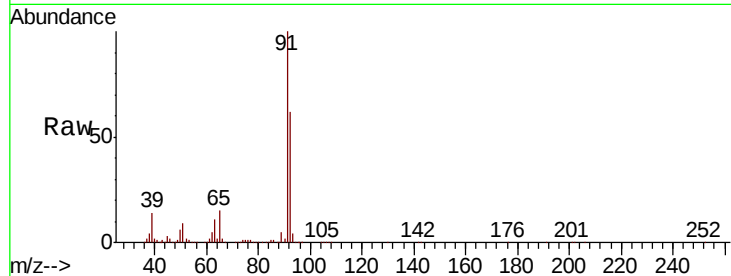
Acq: 17 Aug 2022 VSTDIC015

Tot Ion: 91 Resp: 3842801

Ion Ratio Lower Upper

91 100

92 59.9 47.9 71.9



#54

1,2-Dibromoethane

Concen: 14.341 ppbv

RT: 10.01 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VL039542.D

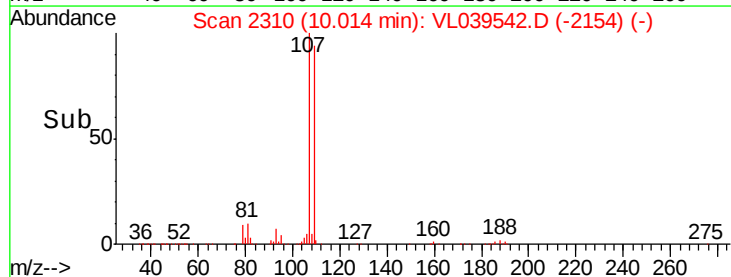
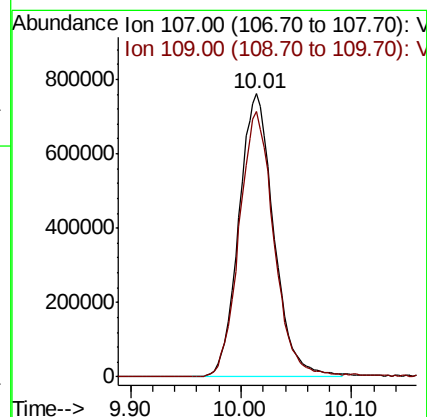
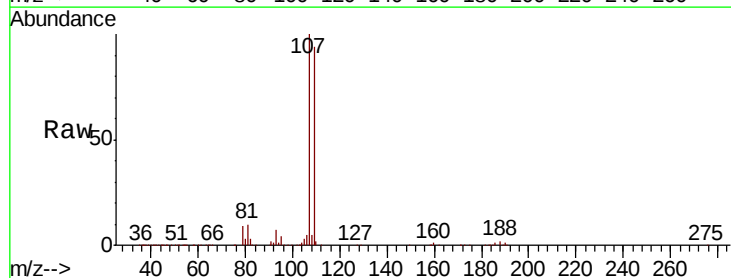
Acq: 17 Aug 2022 7:32

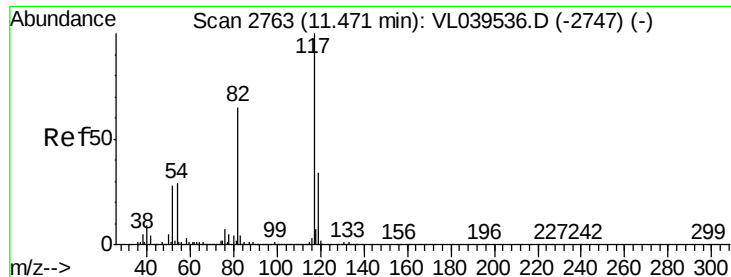
Tgt Ion: 107 Resp: 1668999

Ion Ratio Lower Upper

107 100

109 93.5 73.4 110.2

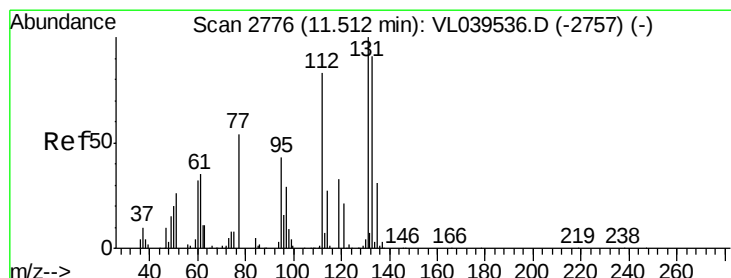
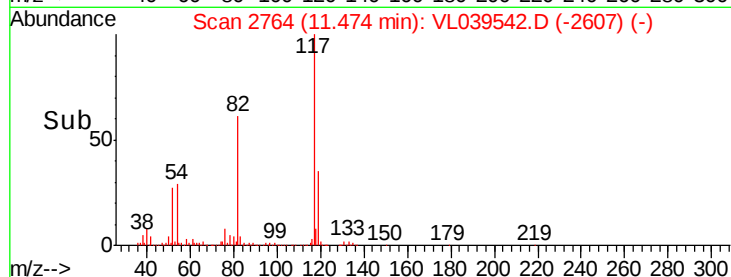
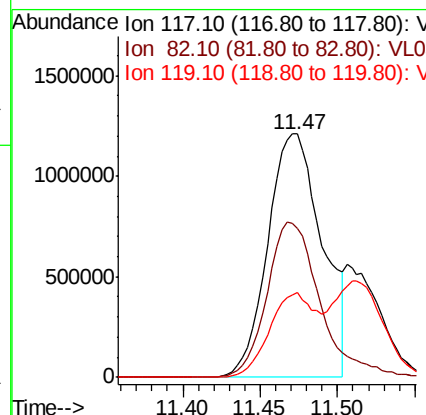
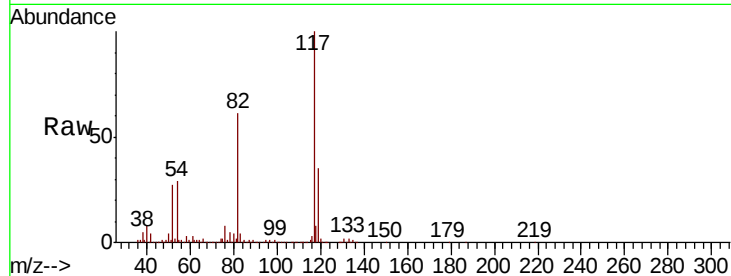




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.47 min
Instrument: MSVOA_1
Delta R.T.: 0.00 min
Lab File: ClientSampleId: VSTDIC015
Acq: 17 Aug 2022 7:32

Tot Ion:117 Resp: 2972793

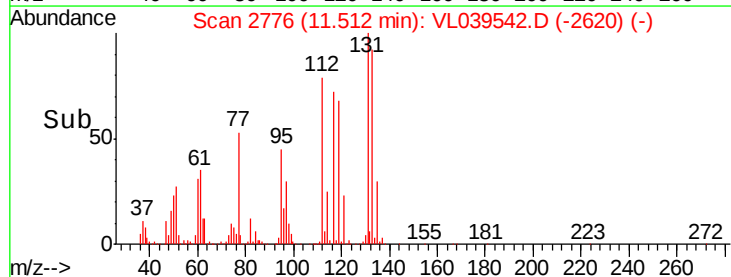
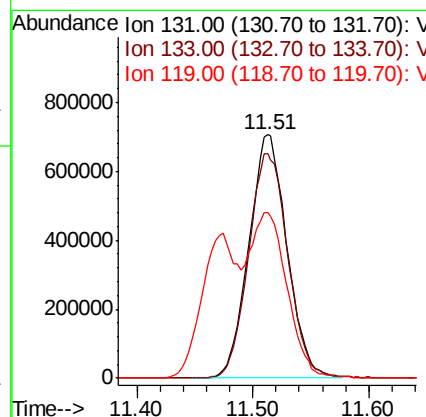
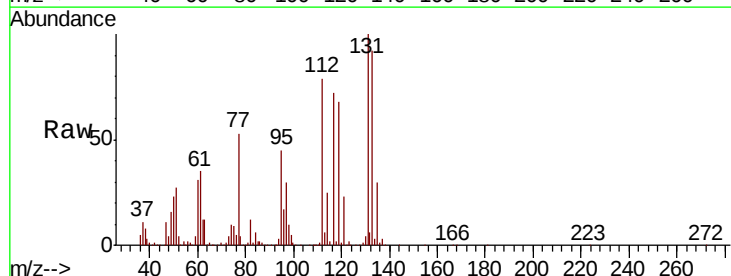
Ion	Ratio	Lower	Upper
117	100		
82	62.6	49.1	73.7
119	27.9	25.9	38.9

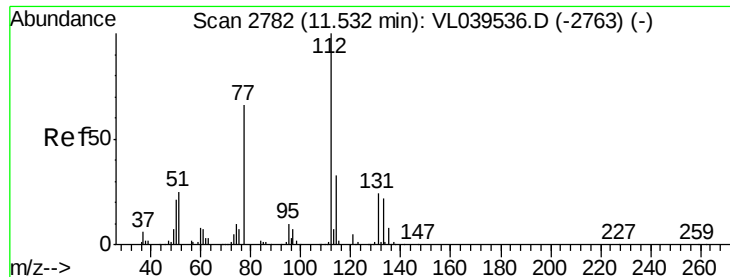


#56
1,1,1,2-Tetrachloroethane
Concen: 12.545 ppbv
RT: 11.51 min Scan# 2776
Delta R.T.: 0.00 min
Lab File: VL039542.D
Acq: 17 Aug 2022 7:32

Tgt Ion:131 Resp: 1613758

Ion	Ratio	Lower	Upper
131	100		
133	95.7	75.4	113.2
119	71.7	47.4	71.2#





#57

Chlorobenzene

Concen: 12.739 ppbv

RT: 11.53

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC015

Acq: 17 Aug 2022 7:32

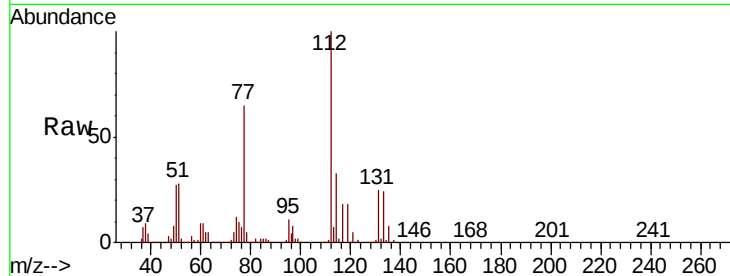
Tot Ion:112 Resp: 2885683

Ion Ratio Lower Upper

112 100

77 64.5 53.4 80.0

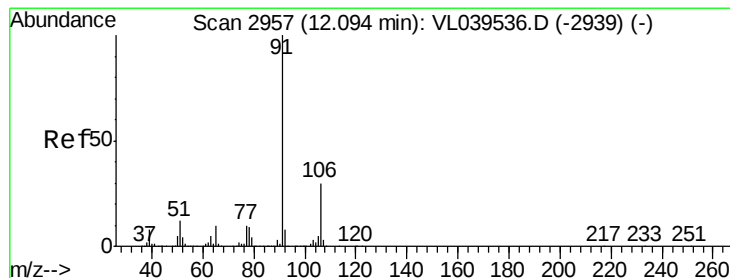
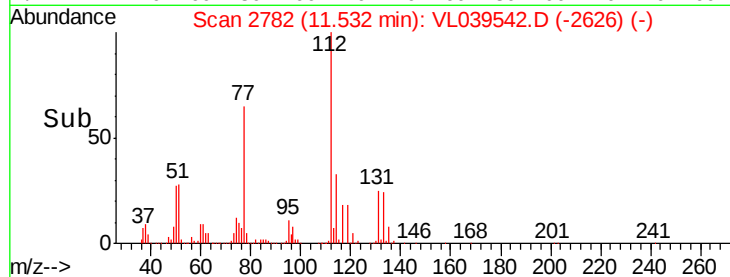
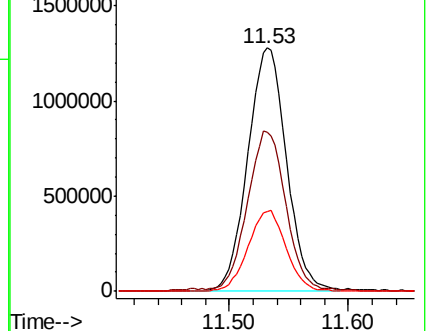
114 32.9 29.5 36.1



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: 13.416 ppbv

RT: 12.09 min Scan# 2957

Delta R.T. 0.00 min

Lab File: VL039542.D

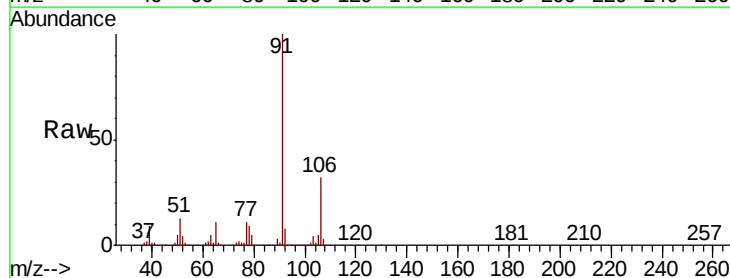
Acq: 17 Aug 2022 7:32

Tgt Ion: 91 Resp: 5040318

Ion Ratio Lower Upper

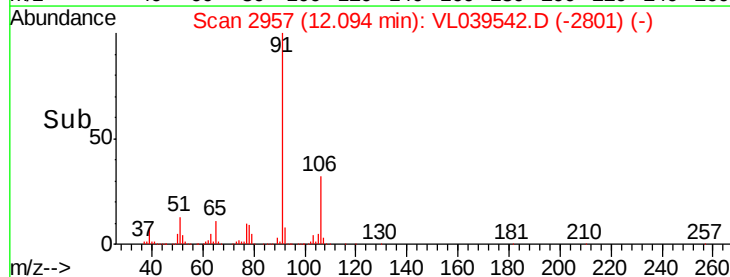
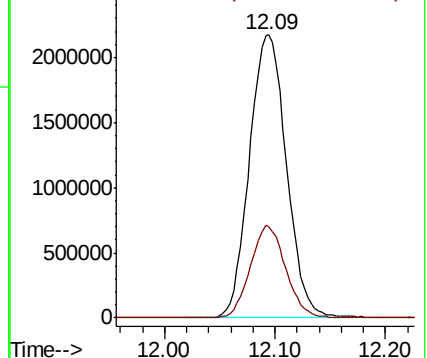
91 100

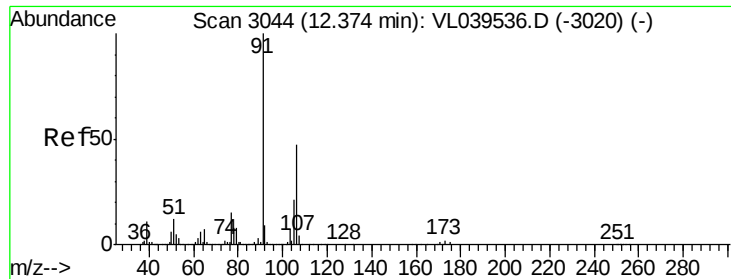
106 32.1 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

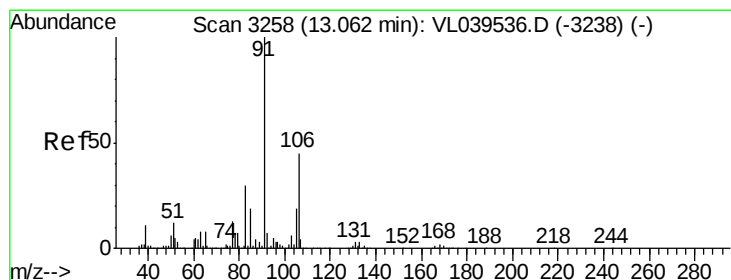
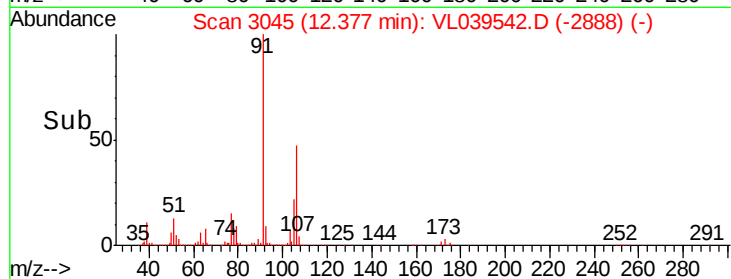
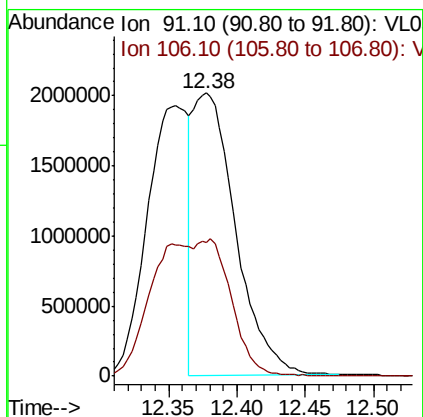
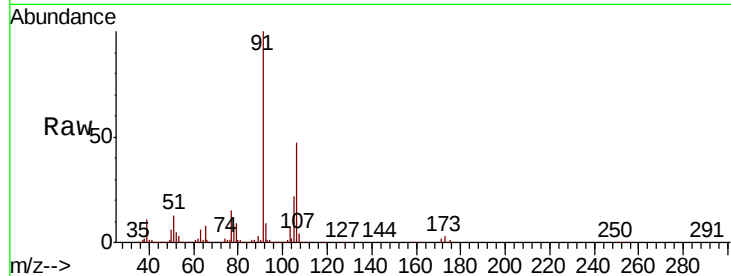
Ion 106.10 (105.80 to 106.80): V





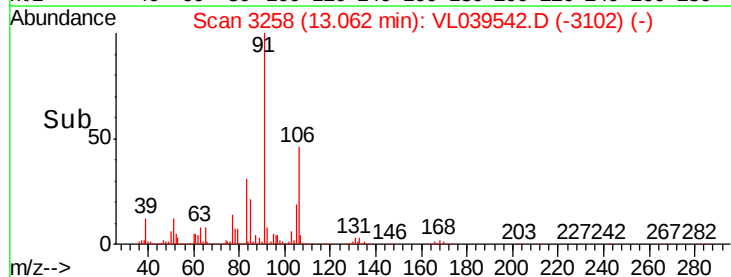
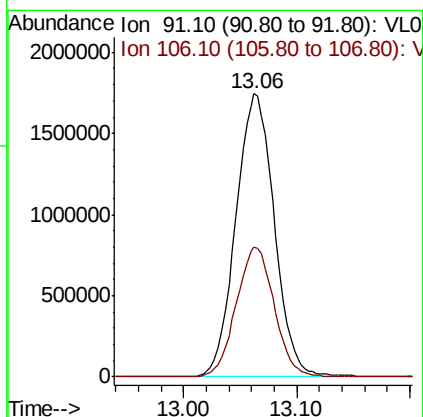
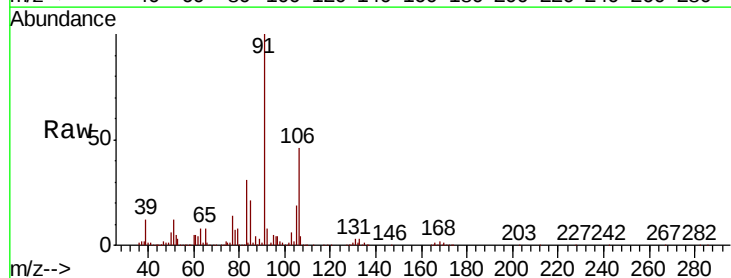
#59
m/p-Xylene
Concen: 13.143 ppbv
RT: 12.38 min
Instrument: MSVOA_1
Delta R.T.: 0.00 min
Lab File: ClientSampleId : VSTDIC015
Acq: 17 Aug 2022 7:32

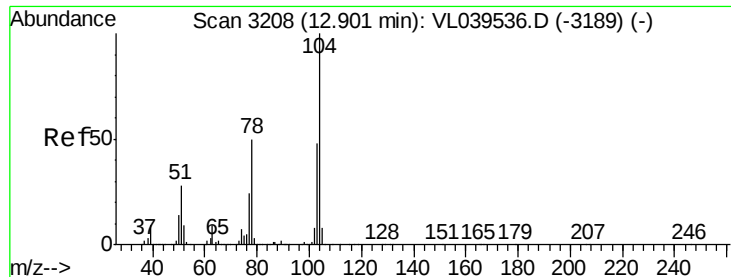
Tot Ion: 91 Resp: 4346015
Ion Ratio Lower Upper
91 100
106 88.5 0.0 0.0#



#60
o-Xylene
Concen: 13.102 ppbv
RT: 13.06 min Scan# 3258
Delta R.T.: 0.00 min
Lab File: VL039542.D
Acq: 17 Aug 2022 7:32

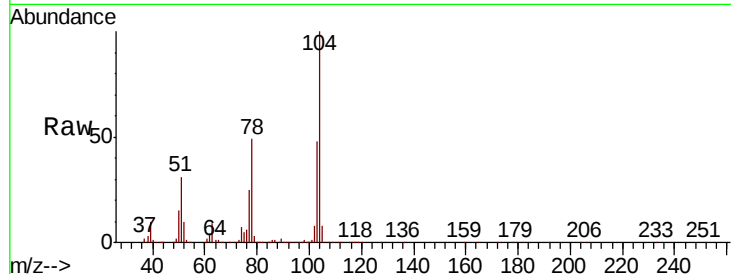
Tgt Ion: 91 Resp: 4110860
Ion Ratio Lower Upper
91 100
106 45.8 22.7 68.0



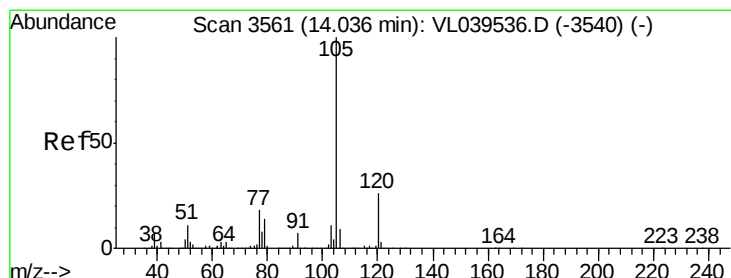
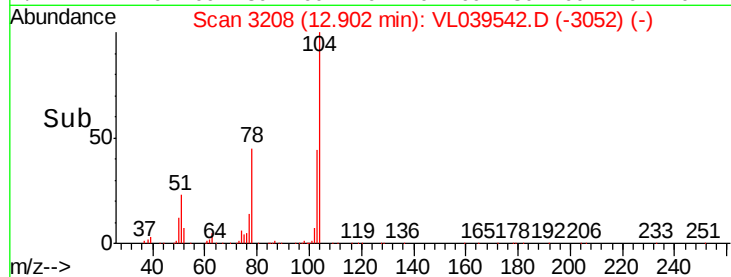
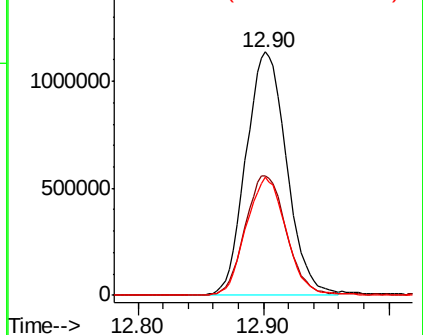


#61
Stvrene
Concen: 15.110 ppbv
RT: 12.90 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
VSTDIC015
Acq: 17 Aug 2022 7:32

Tot Ion:104 Resp: 2564557
Ion Ratio Lower Upper
104 100
78 50.2 40.0 60.0
103 48.0 38.2 57.2

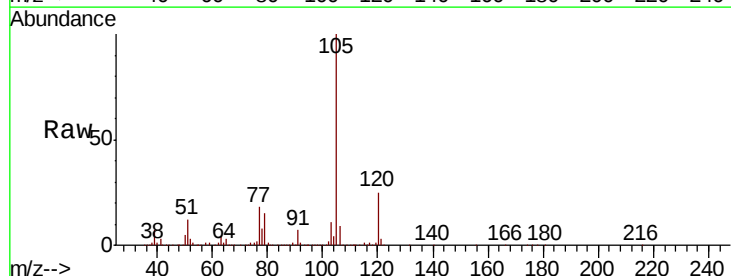


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

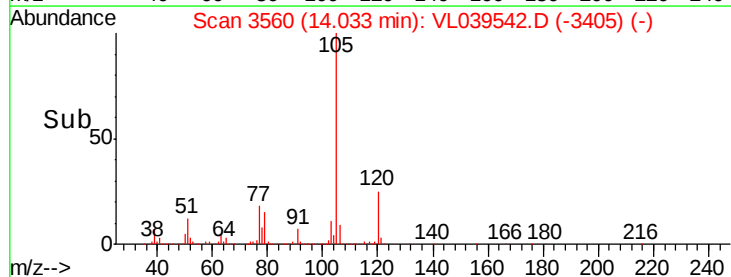
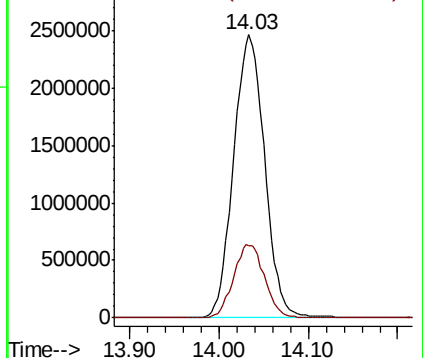


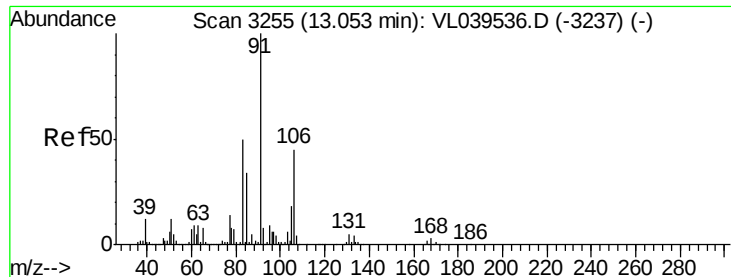
#62
Isopropylbenzene
Concen: 12.482 ppbv
RT: 14.03 min Scan# 3560
Delta R.T.: -0.00 min
Lab File: VL039542.D
Acq: 17 Aug 2022 7:32

Tgt Ion:105 Resp: 5956812
Ion Ratio Lower Upper
105 100
120 25.9 20.6 30.8



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

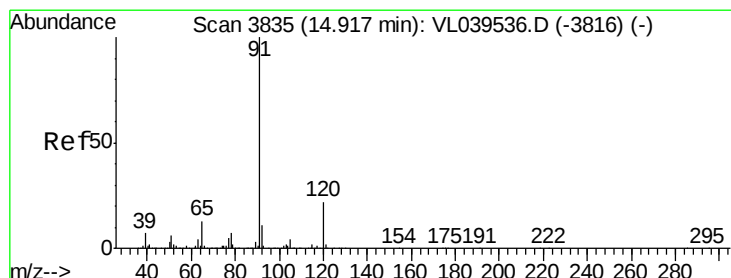
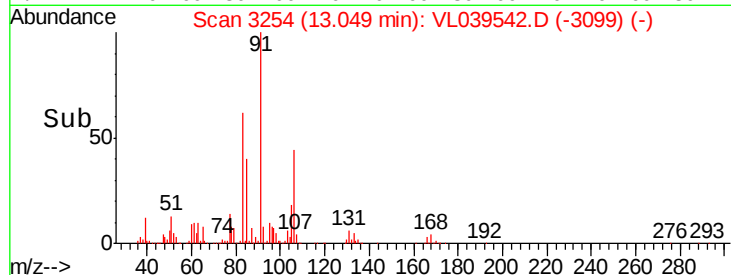
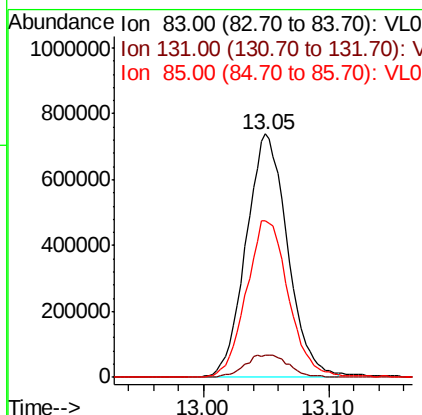
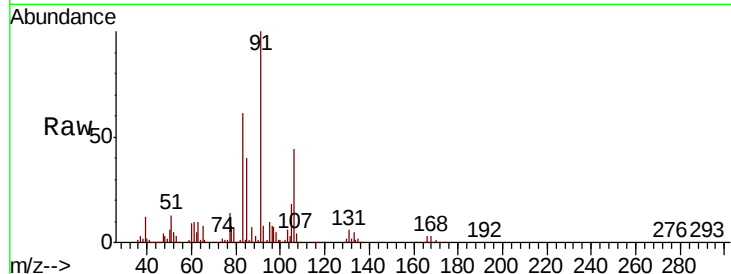




#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.402 ppbv
 RT: 13.05 min
 Delta R.T. 0.00 min
 Lab File: VL039542.D
 Acq: 17 Aug 2022 7:32

Tot Ion: 83 Resp: 1700391

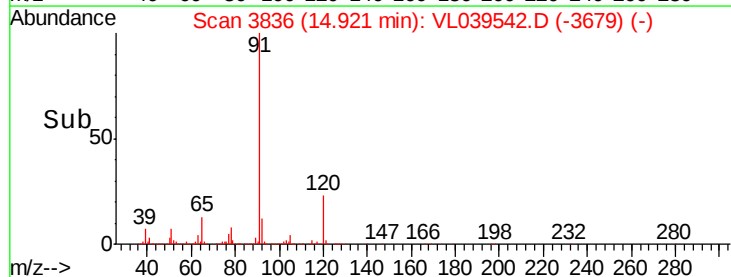
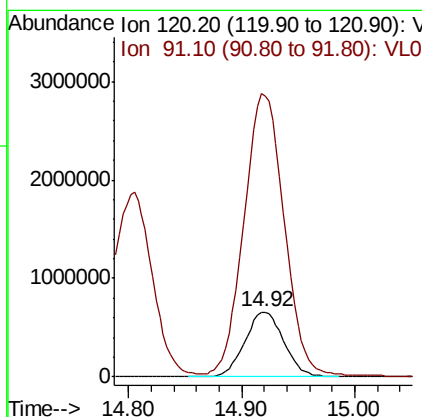
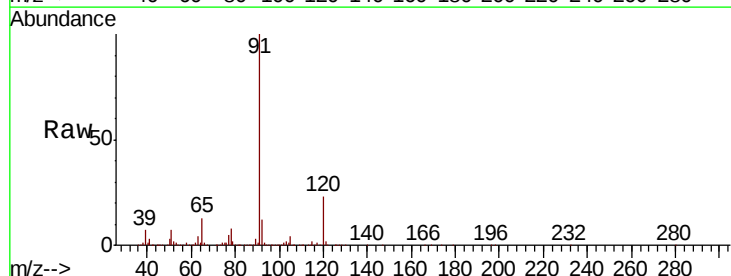
Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.7
85	66.4	33.2	99.6

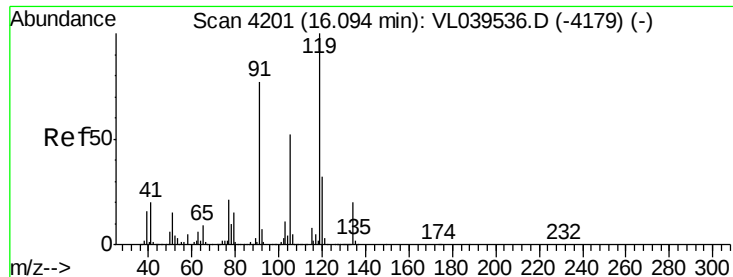


#64
 n-propylbenzene
 Concen: 13.092 ppbv
 RT: 14.92 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VL039542.D
 Acq: 17 Aug 2022 7:32

Tgt Ion: 120 Resp: 1578488

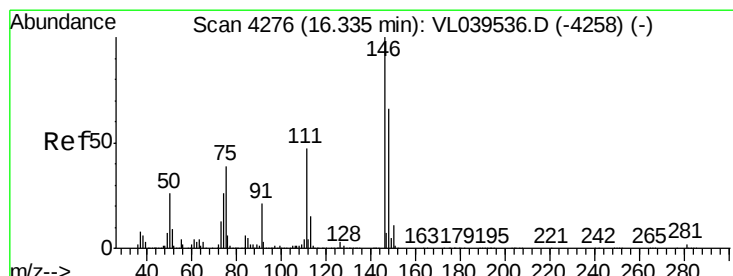
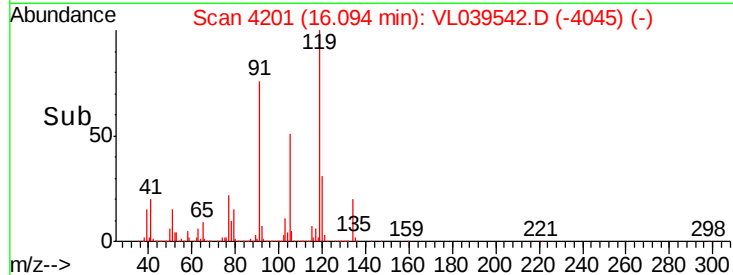
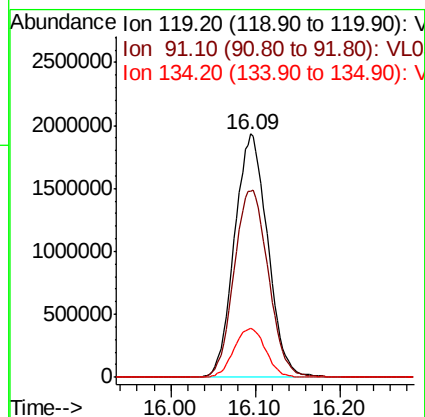
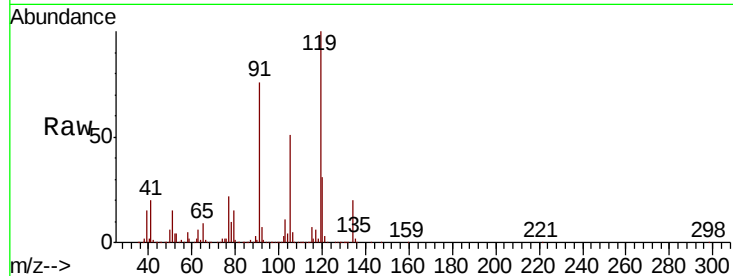
Ion	Ratio	Lower	Upper
120	100		
91	454.9	372.6	559.0





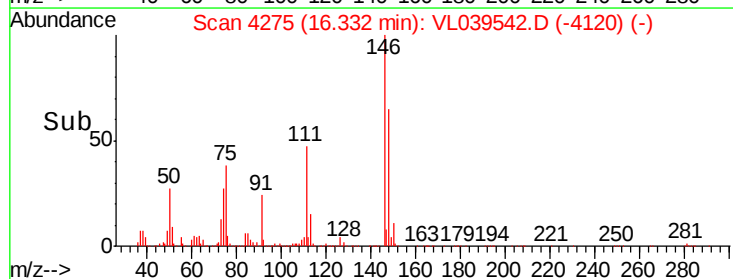
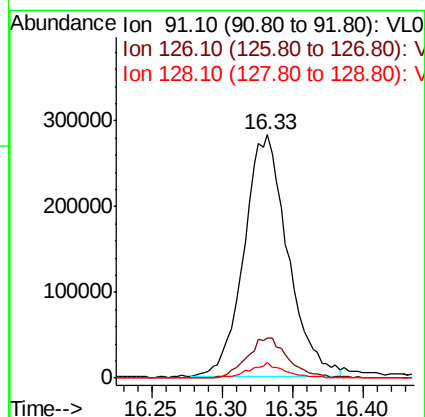
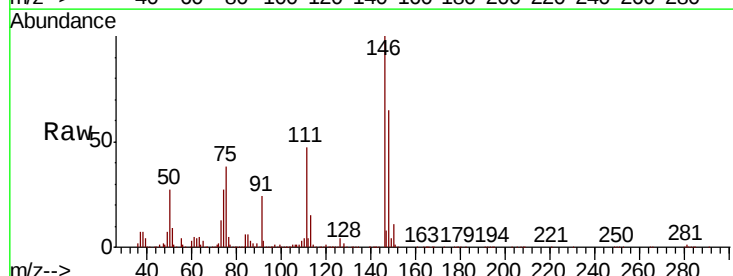
#65
 tert-Butylbenzene
 Concen: 12.021 ppbv
 RT: 16.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC015
 Acq: 17 Aug 2022 7:32

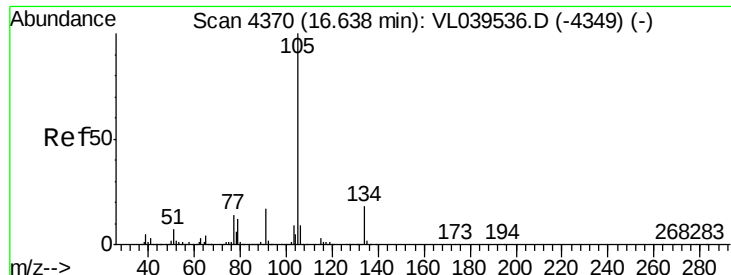
Tot Ion: 119 Resp: 5277486
 Ion Ratio Lower Upper
 119 100
 91 79.7 63.8 95.8
 134 19.5 15.4 23.2



#66
 Benzyl Chloride
 Concen: 15.283 ppbv
 RT: 16.33 min Scan# 4275
 Delta R.T.: -0.00 min
 Lab File: VL039542.D
 Acq: 17 Aug 2022 7:32

Tgt Ion: 91 Resp: 608020
 Ion Ratio Lower Upper
 91 100
 126 16.2 0.0 0.0#
 128 5.3 1.5 2.3#





#67

sec-Butylbenzene

Concen: 12.415 ppbv

RT: 16.64

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC015

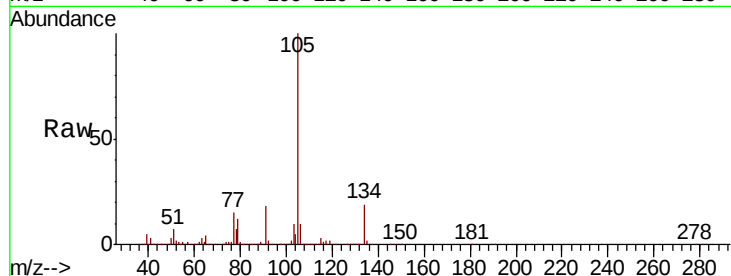
Acq: 17 Aug 2022 7:32

Tot Ion: 105 Resp: 7365936

Ion Ratio Lower Upper

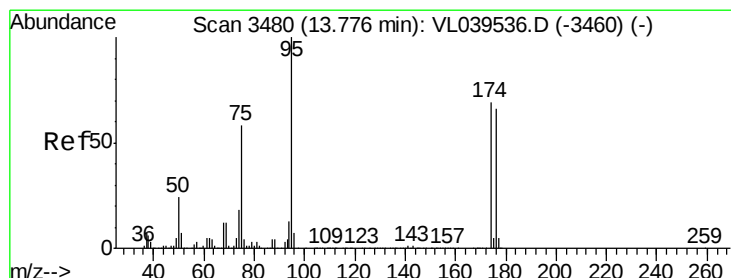
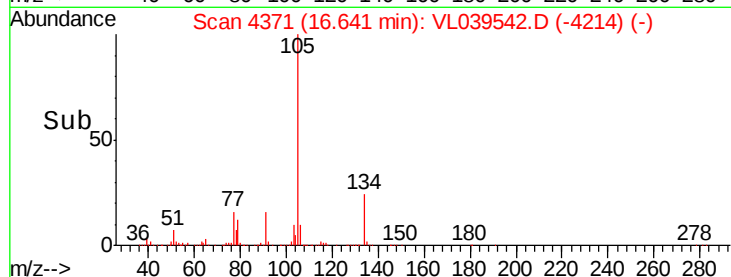
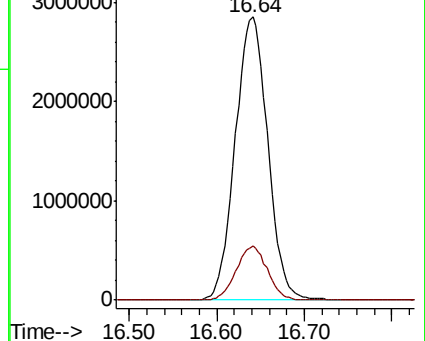
105 100

134 18.3 14.3 21.5



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: 10.171 ppbv

RT: 13.78 min Scan# 3481

Delta R.T. 0.00 min

Lab File: VL039542.D

Acq: 17 Aug 2022 7:32

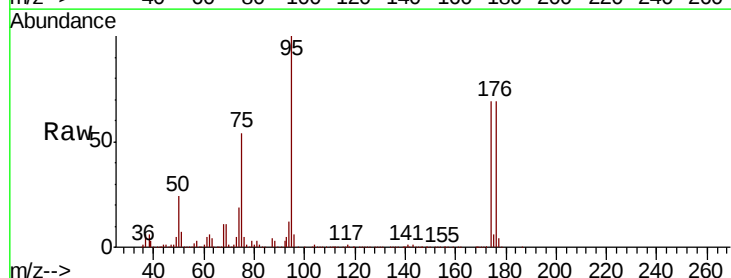
Tgt Ion: 95 Resp: 2245146

Ion Ratio Lower Upper

95 100

174 70.4 56.3 84.5

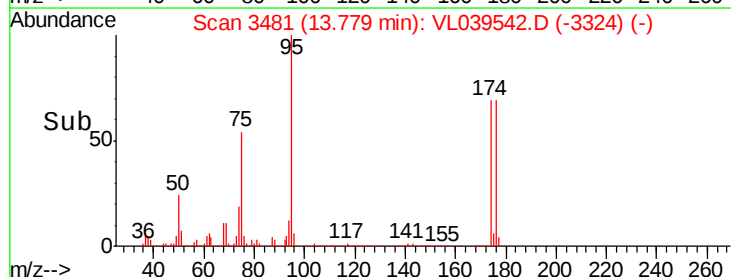
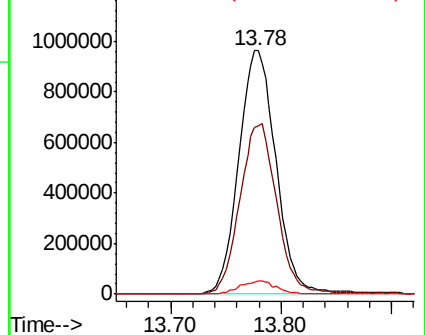
175 5.4 4.3 6.5

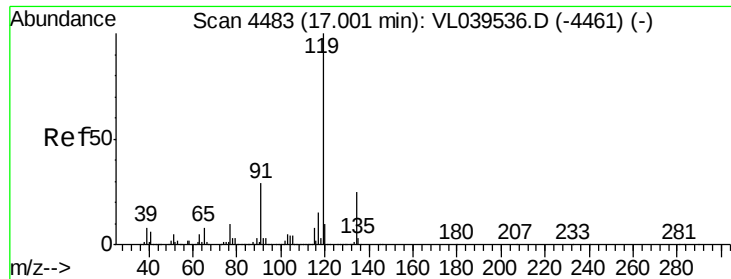


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

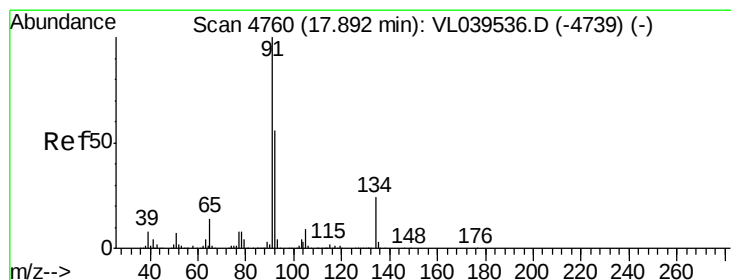
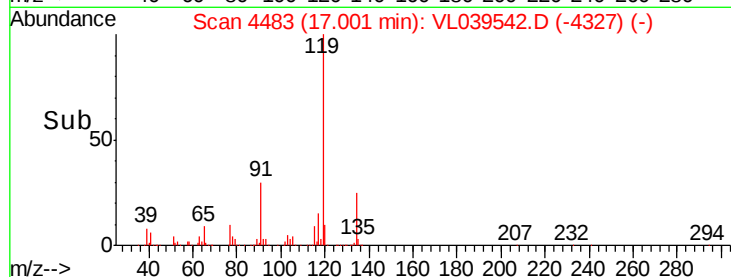
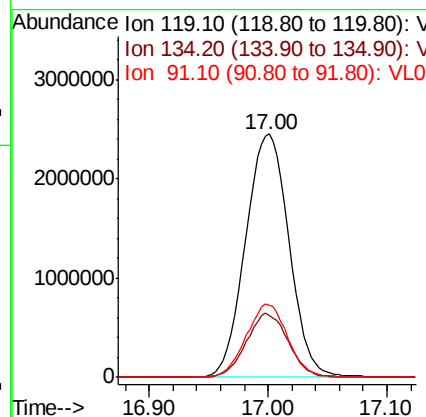
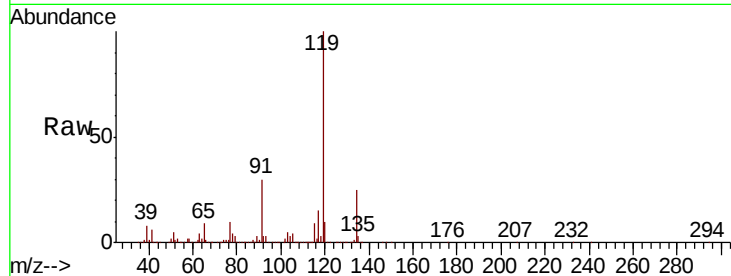




#69
 p-Isopropyltoluene
 Concen: 12.349 ppbv
 RT: 17.00 min
 Delta R.T. 0.00 min
 Lab File: VL039542.D
 Acq: 17 Aug 2022 7:32

Tot Ion: 119 Resp: 6191002

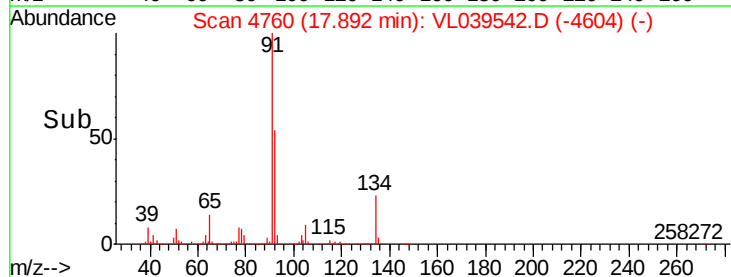
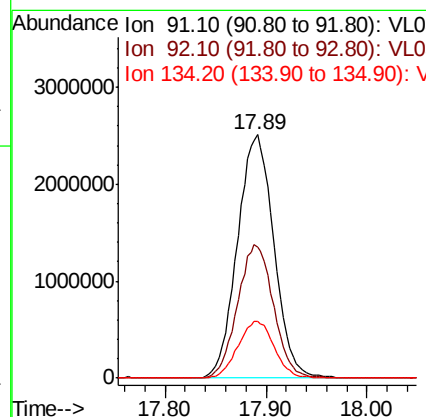
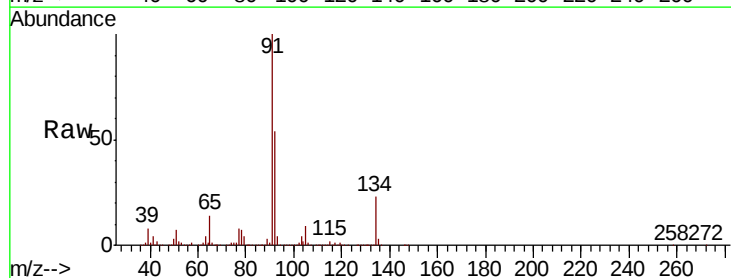
Ion	Ratio	Lower	Upper
119	100		
134	25.4	19.8	29.6
91	28.8	22.6	33.8

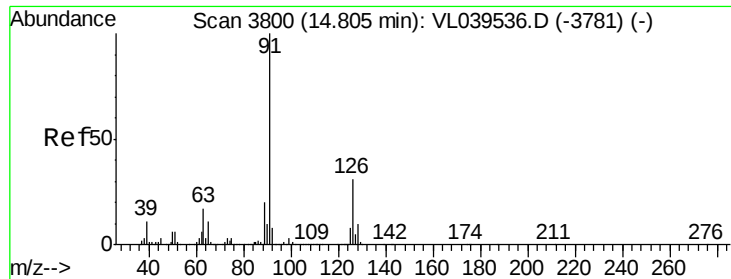


#70
 n-Butylbenzene
 Concen: 12.897 ppbv
 RT: 17.89 min Scan# 4760
 Delta R.T. 0.00 min
 Lab File: VL039542.D
 Acq: 17 Aug 2022 7:32

Tgt Ion: 91 Resp: 6291955

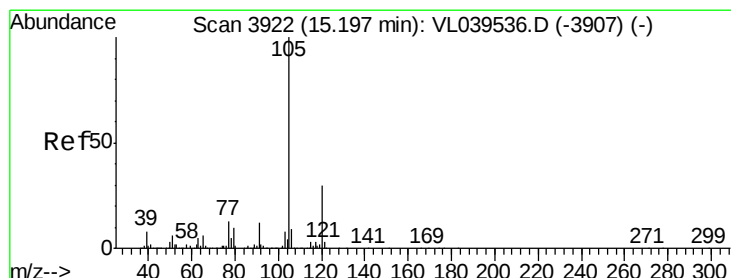
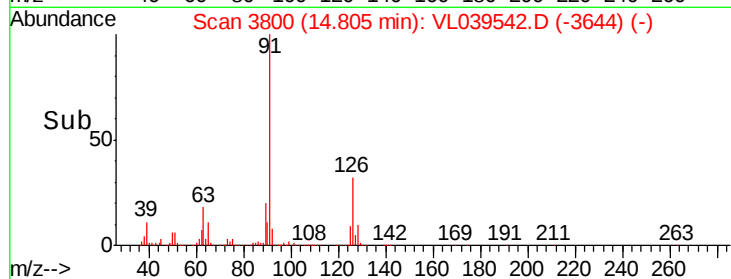
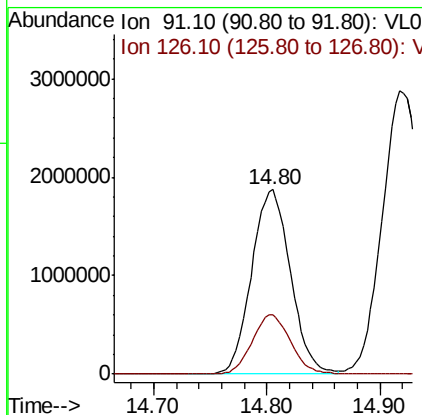
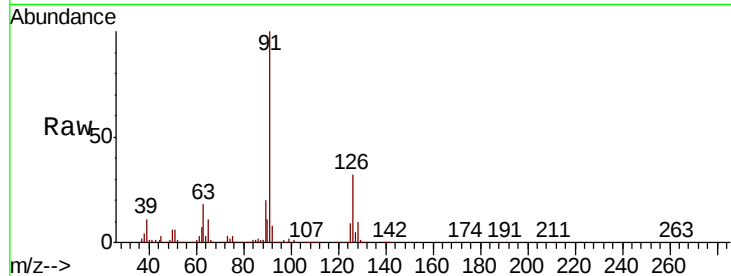
Ion	Ratio	Lower	Upper
91	100		
92	54.1	43.0	64.6
134	23.2	18.1	27.1





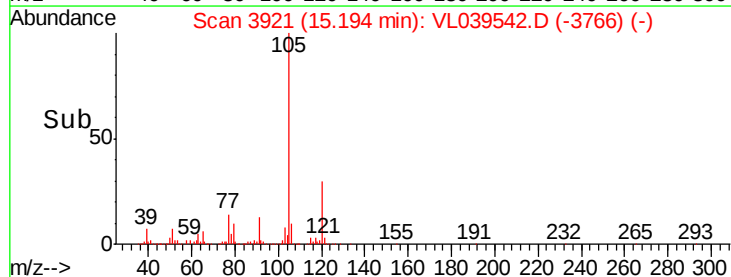
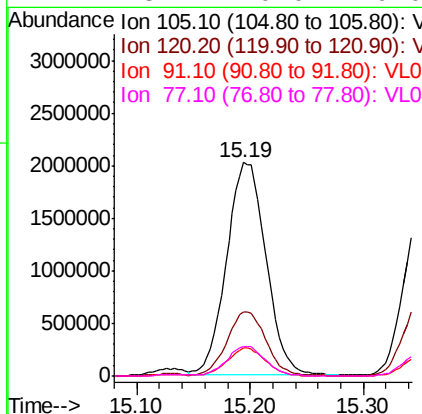
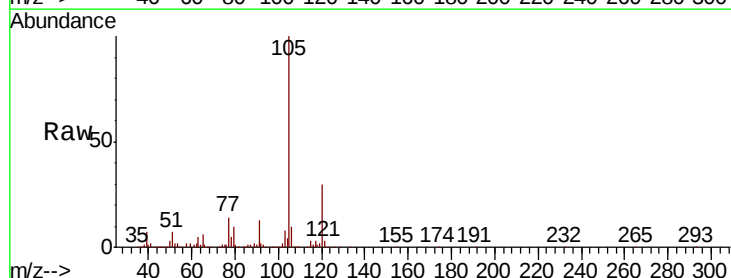
#71
 2-Chlorotoluene
 Concen: 13.071 ppbv
 RT: 14.80 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 17 Aug 2022 7:32

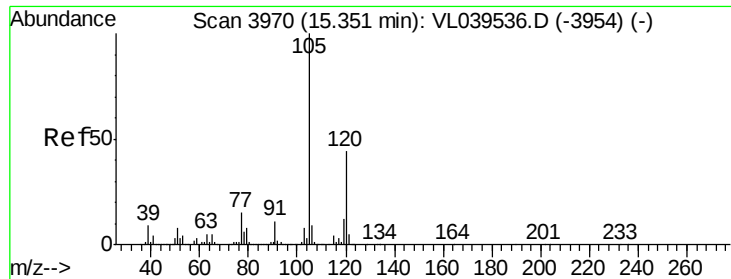
Tot Ion: 91 Resp: 4471406
 Ion Ratio Lower Upper
 91 100
 126 32.1 12.9 51.5



#72
 4-Ethyltoluene
 Concen: 13.244 ppbv
 RT: 15.19 min Scan# 3921
 Delta R.T. -0.00 min
 Lab File: VL039542.D
 Acq: 17 Aug 2022 7:32

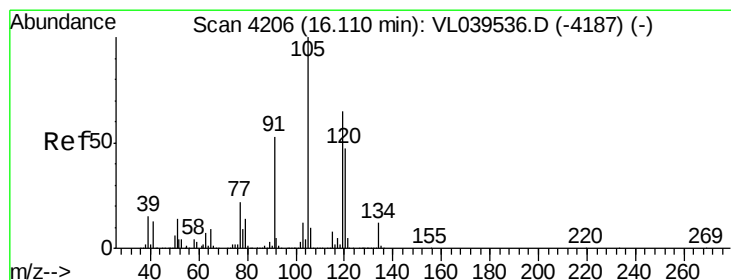
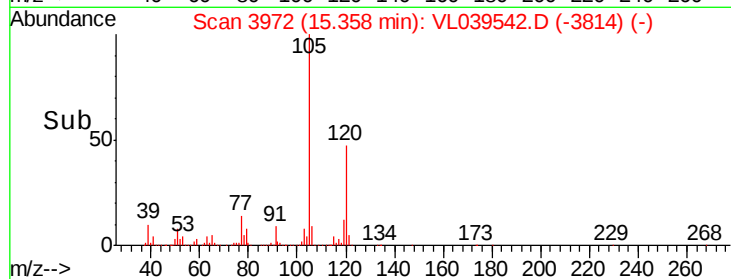
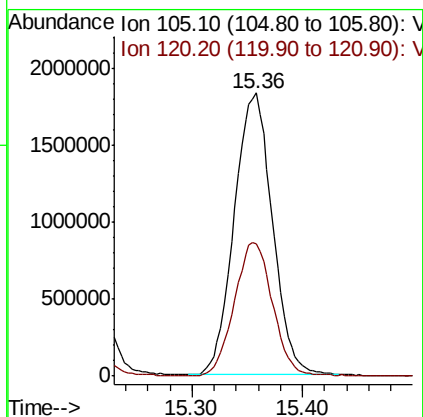
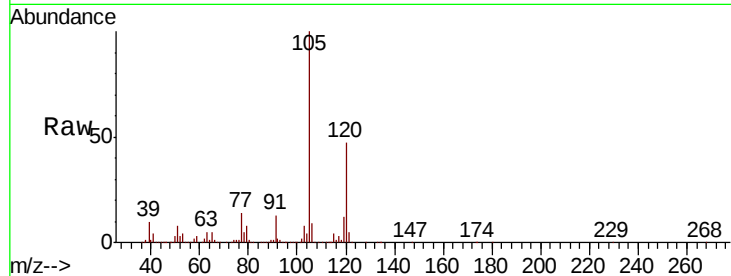
Tgt Ion:105 Resp: 4897671
 Ion Ratio Lower Upper
 105 100
 120 31.1 0.0 0.0#
 91 12.6 0.0 0.0#
 77 13.7 0.0 0.0#





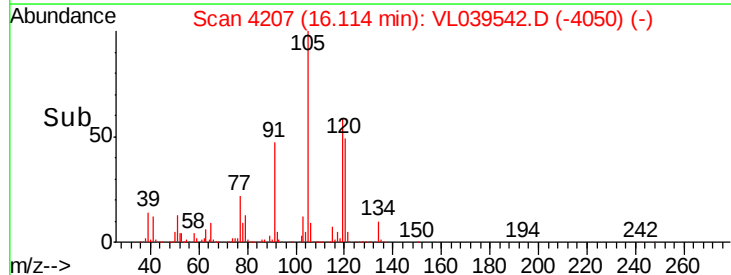
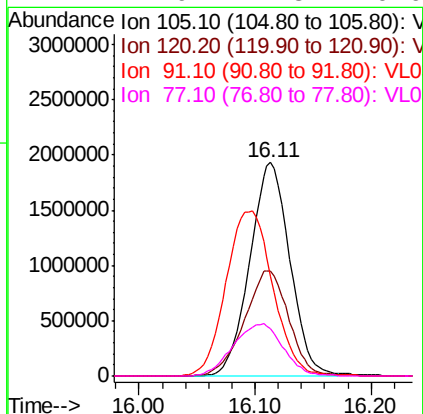
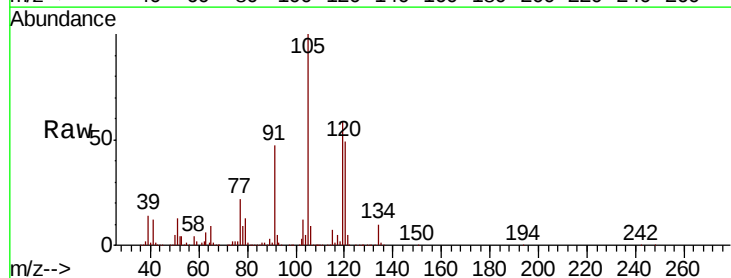
#73
 1,3,5-Trimethylbenzene
 Concen: 12.991 ppbv
 RT: 15.36
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 17 Aug 2022 7:32

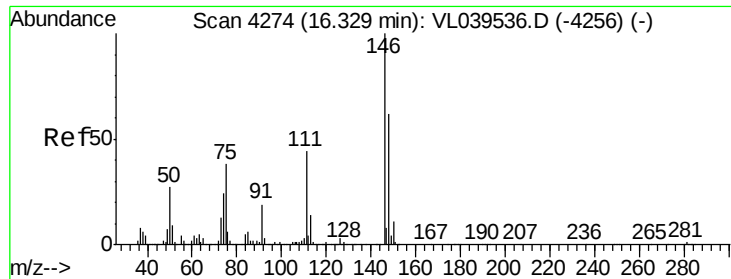
Tot Ion:105 Resp: 4393414
 Ion Ratio Lower Upper
 105 100
 120 47.0 35.4 53.2



#74
 1,2,4-Trimethylbenzene
 Concen: 12.427 ppbv
 RT: 16.11 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VL039542.D
 Acq: 17 Aug 2022 7:32

Tgt Ion:105 Resp: 4633170
 Ion Ratio Lower Upper
 105 100
 120 49.1 37.8 56.8
 91 46.0 43.8 65.6
 77 21.9 17.8 26.6





#75

1,3-Dichlorobenzene

Concen: 12.918 ppbv

RT: 16.33

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC015

Acq: 17 Aug 2022 7:32

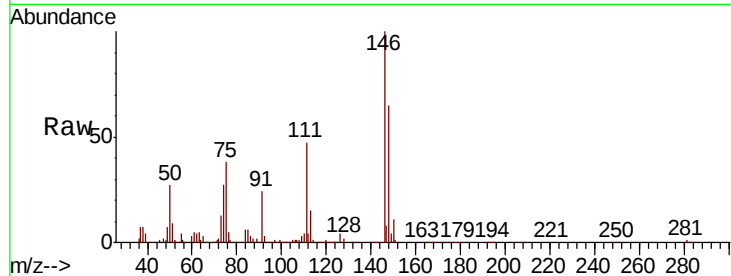
Tot Ion:146 Resp: 2872435

Ion Ratio Lower Upper

146 100

111 45.4 22.9 68.5

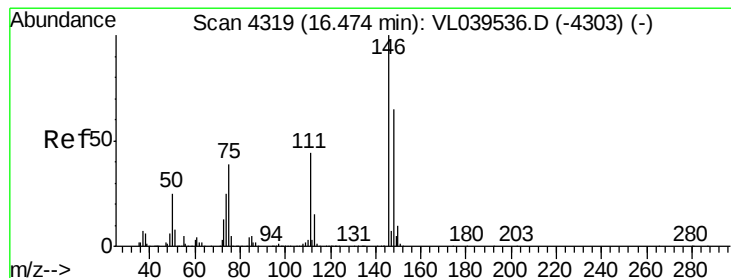
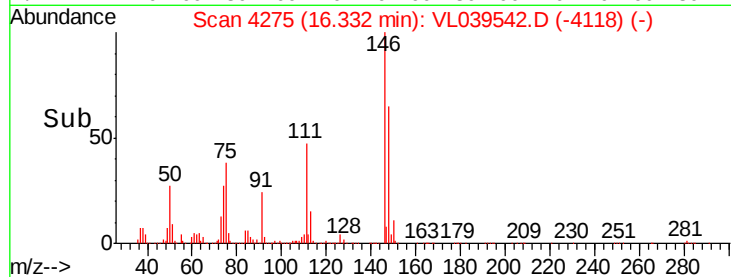
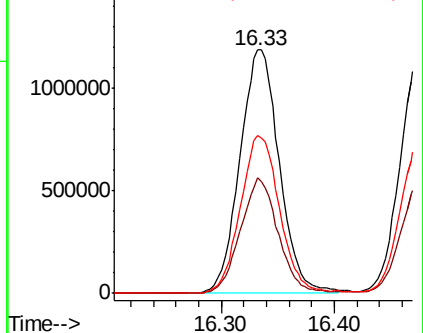
148 64.8 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 12.637 ppbv

RT: 16.48 min Scan# 4320

Delta R.T. 0.00 min

Lab File: VL039542.D

Acq: 17 Aug 2022 7:32

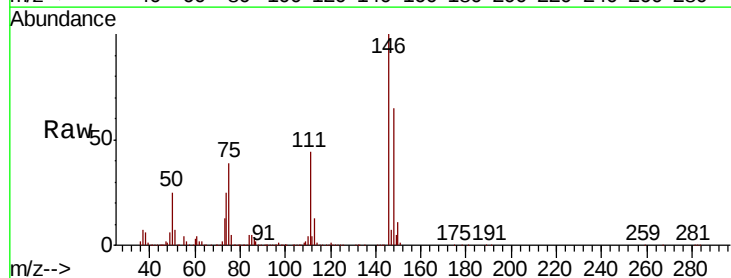
Tgt Ion:146 Resp: 2818197

Ion Ratio Lower Upper

146 100

111 45.9 22.3 66.8

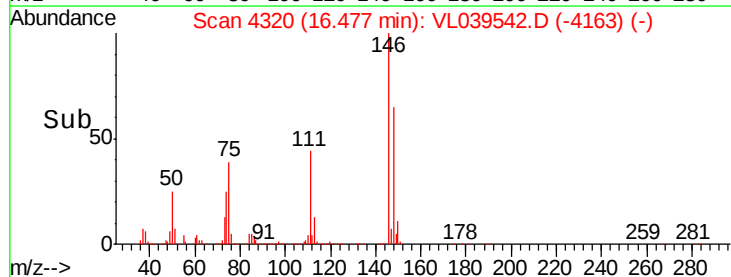
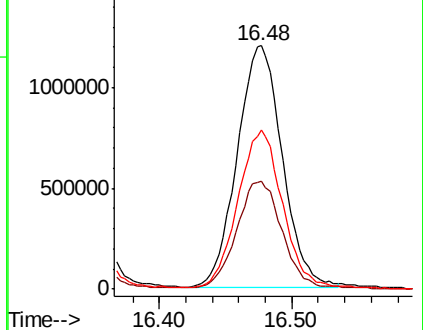
148 66.1 31.5 94.5

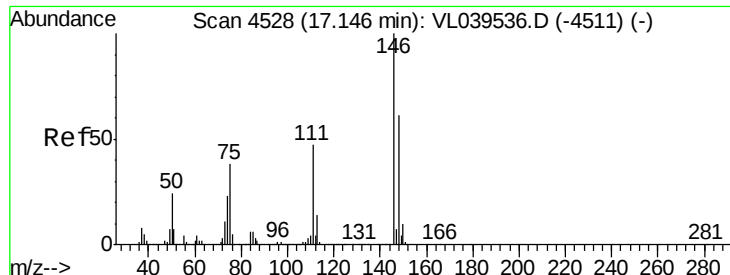


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

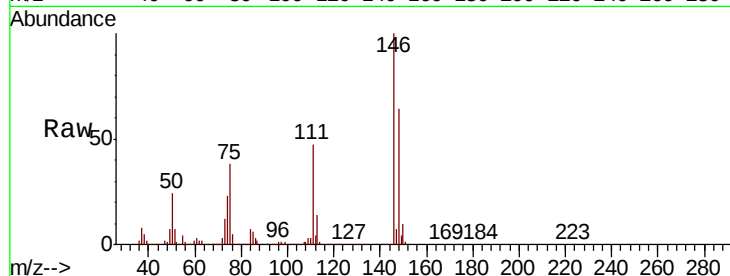
Ion 148.00 (147.70 to 148.70): V



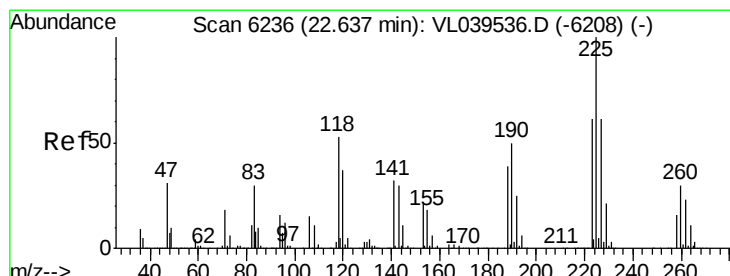
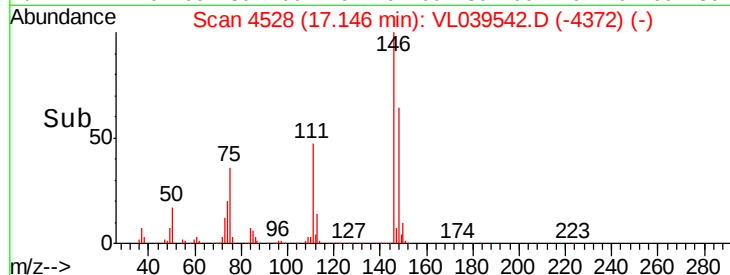
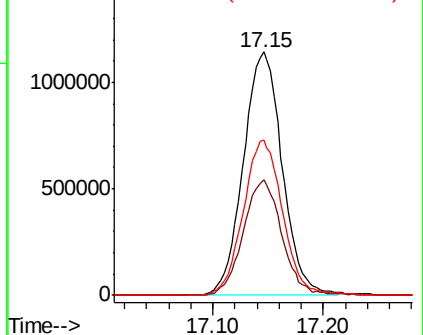


#77
 1,2-Dichlorobenzene
 Concen: 12.619 ppbv
 RT: 17.15 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC015
 Acq: 17 Aug 2022 7:32

Tot Ion:146 Resp: 2775142
 Ion Ratio Lower Upper
 146 100
 111 47.2 23.9 71.8
 148 64.5 32.6 97.7

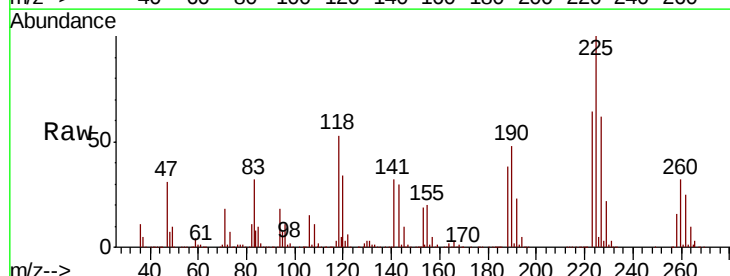


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

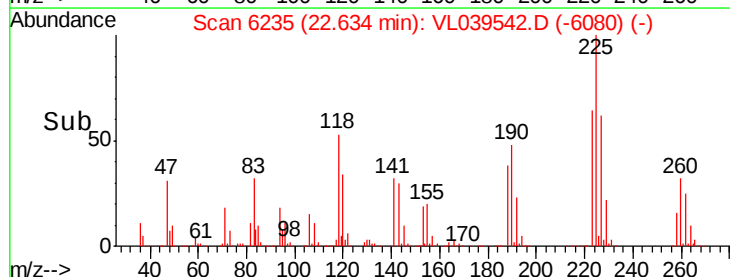
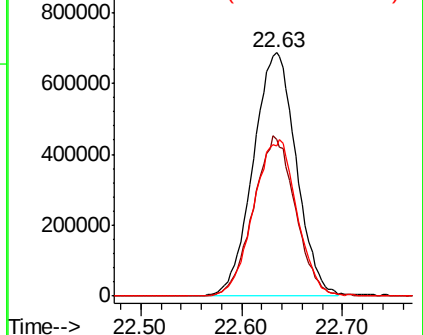


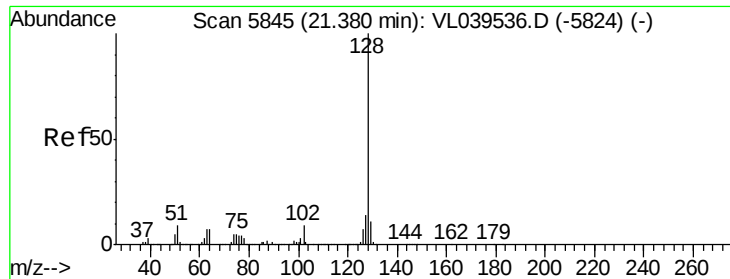
#78
 Hexachloro-1,3-Butadiene
 Concen: 11.430 ppbv
 RT: 22.63 min Scan# 6235
 Delta R.T.: -0.00 min
 Lab File: VL039542.D
 Acq: 17 Aug 2022 7:32

Tgt Ion:225 Resp: 2036567
 Ion Ratio Lower Upper
 225 100
 223 64.5 0.0 0.0#
 227 64.8 0.0 0.0#



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





#79

Naphthalene

Concen: 16.567 ppbv

RT: 21.38 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC0015

Acq: 17 Aug 2022 7:32

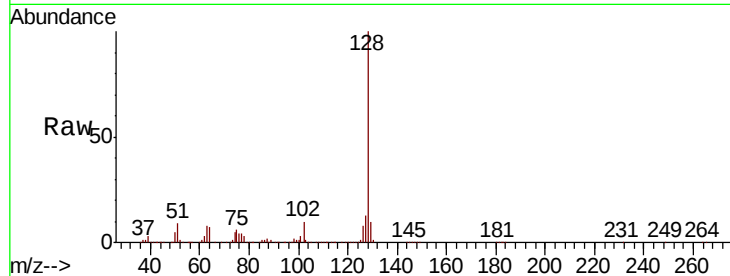
Tot Ion:128 Resp: 4288305

Ion	Ratio	Lower	Upper
-----	-------	-------	-------

128	100		
-----	-----	--	--

127	13.4	10.8	16.2
-----	------	------	------

129	10.4	9.1	13.7
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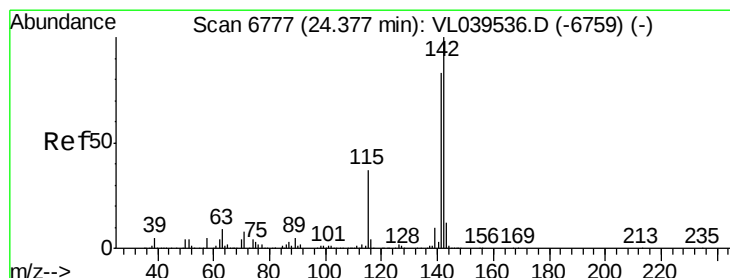
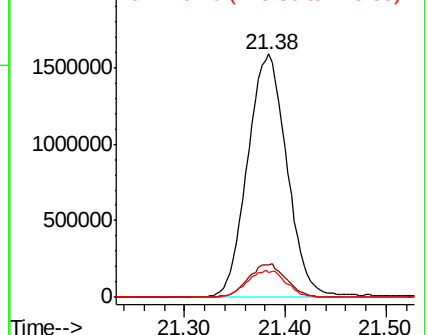
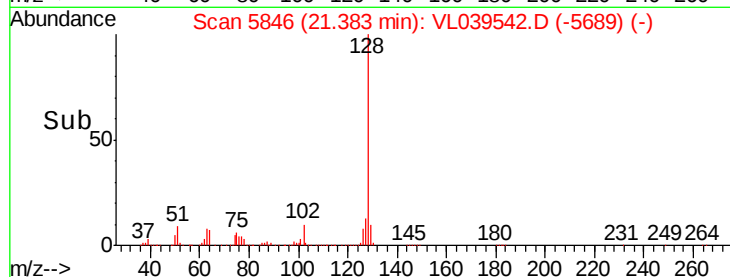


Abundance

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: 20.887 ppbv

RT: 24.37 min Scan# 6776

Delta R.T. -0.00 min

Lab File: VL039542.D

Acq: 17 Aug 2022 7:32

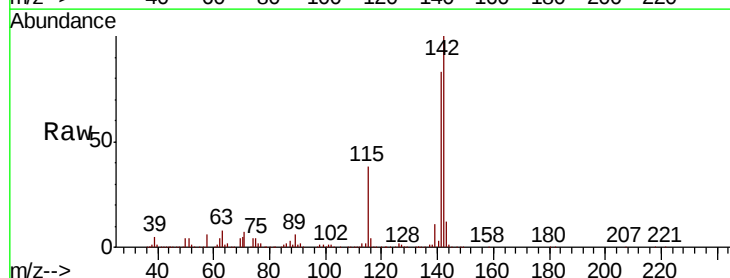
Tgt Ion:142 Resp: 1932634

Ion	Ratio	Lower	Upper
-----	-------	-------	-------

142	100		
-----	-----	--	--

141	83.9	0.0	0.0#
-----	------	-----	------

115	38.6	0.0	0.0#
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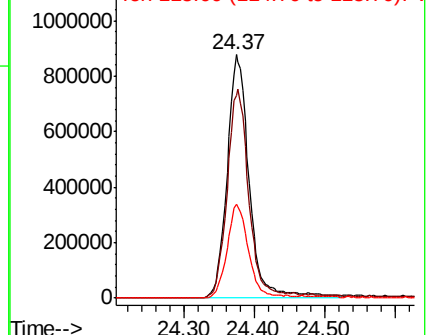
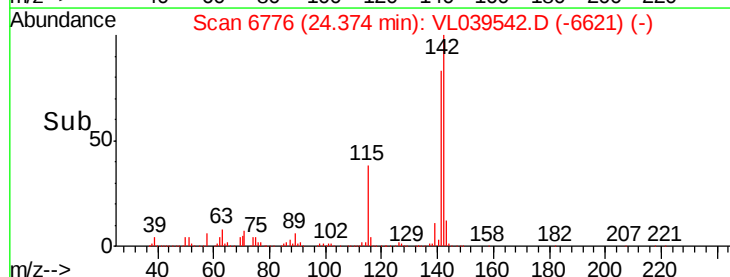


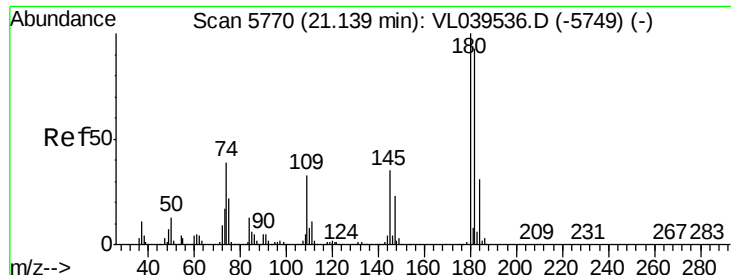
Abundance

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: 14.164 ppbv
 RT: 21.14
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 17 Aug 2022 7:52

Tot Ion:180 Resp: 2378885
 Ion Ratio Lower Upper
 180 100
 182 98.2 0.0 0.0#
 184 31.1 0.0 0.0#

