

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090722\
 Data File : VL039614.D
 Acq On : 7 Sep 2022 10:44
 Operator : SY/AP
 Sample : VISTCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010

Quant Time: Sep 08 05:18:18 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Aug 26 06:05:16 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.20	49	1033348	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	6.66	114	2691986	10.00	ppbv	0.00
55) Chlorobenzene-d5	11.47	117	3251620	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.78	95	1978291	8.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.75	85	873884	6.355	ppbv	98
3) Chlorodifluoromethane	2.69	51	1215518	9.873	ppbv	96
4) Chloromethane	2.84	50	767153	10.345	ppbv	96
5) Vinyl Chloride	2.94	62	657421	10.984	ppbv	98
6) Bromomethane	3.14	94	263412	10.378	ppbv	96
7) Chloroethane	3.22	64	228640	10.196	ppbv	100
8) Dichlorotetrafluoroethane	2.88	85	1321540	8.984	ppbv	95
9) Propene	2.71	41	588636	10.449	ppbv	100
10) Heptane	7.59	43	1442785	11.059	ppbv	98
11) Trichlorofluoromethane	3.58	101	1509685	10.003	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.08	101	1142907	10.239	ppbv	99
13) Ethanol	3.26	45	22394	5.531	ppbv	60
14) Bromoethene	3.38	108	490563	10.756	ppbv	100
15) Acetone	3.48	43	1183833	10.227	ppbv	99
16) 1,3-Butadiene	3.01	39	643580	10.655	ppbv	97
17) tert-Butyl alcohol	3.89	59	1137909	11.519	ppbv	100
18) 1,1-Dichloroethene	3.90	96	509934	10.143	ppbv	98
19) Isopropyl Alcohol	3.59	45	684147	12.150	ppbv	98
20) Methylene Chloride	3.95	84	441892	9.397	ppbv	95
21) Allyl Chloride	4.01	41	808808	10.741	ppbv	99
22) trans-1,2-Dichloroethene	4.46	96	531528	10.630	ppbv	93
23) Vinyl Acetate	4.64	43	639167	11.613	ppbv	98
24) 1,1-Dichloroethane	4.58	63	1102536	10.822	ppbv	99
25) Ethyl Acetate	5.21	43	2575091	10.397	ppbv	99
26) Hexane	5.22	57	1058613	10.472	ppbv	97
27) Carbon Disulfide	4.14	76	1291928	11.963	ppbv	98
28) Methyl tert-Butyl Ether	4.60	73	942822	10.812	ppbv	98
29) Chloroform	5.29	83	1612053	10.196	ppbv	99
30) Cyclohexane	6.61	84	904259	10.803	ppbv	96
31) cis-1,2-Dichloroethene	5.09	61	1042287	10.645	ppbv	98
32) 1,1,1-Trichloroethane	6.01	97	1563404	11.241	ppbv	99
34) 2-Butanone	4.80	43	1313118	9.812	ppbv	96
35) Carbon Tetrachloride	6.50	117	1632831	11.221	ppbv	100
36) Benzene	6.38	78	2265021	11.038	ppbv	96
37) 1,2-Dichloroethane	5.81	62	1185291	10.486	ppbv	100
38) Trichloroethene	7.30	130	1237152	11.252	ppbv	98
39) 1,2-Dichloropropane	7.08	63	853001	11.056	ppbv	96
40) 1,4-Dioxane	7.30	88	293632	9.721	ppbv #	1
41) Tetrahydrofuran	5.57	42	944741	11.817	ppbv	95
42) Bromodichloromethane	7.25	83	1736066	11.224	ppbv	100
43) Methyl Methacrylate	7.48	69	886497	11.980	ppbv	98

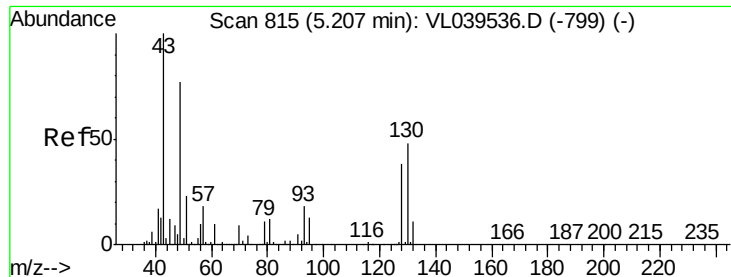
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090722\
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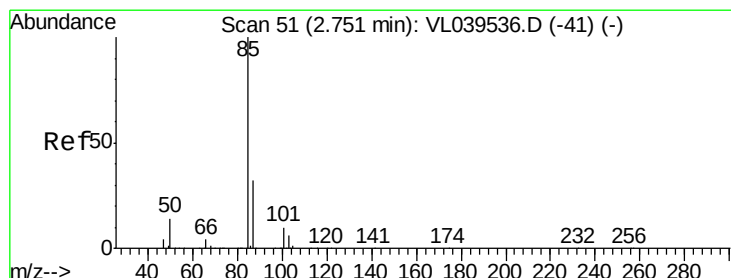
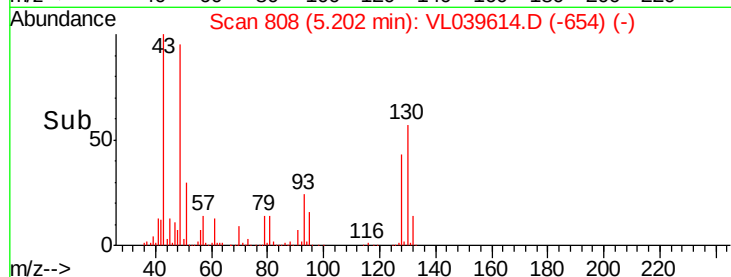
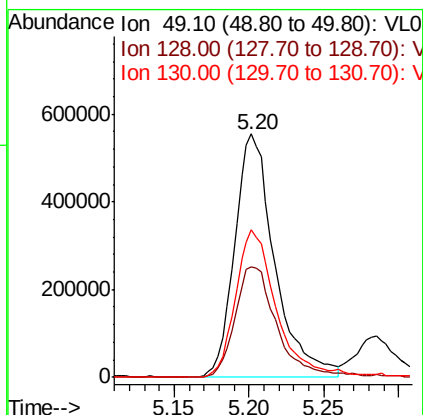
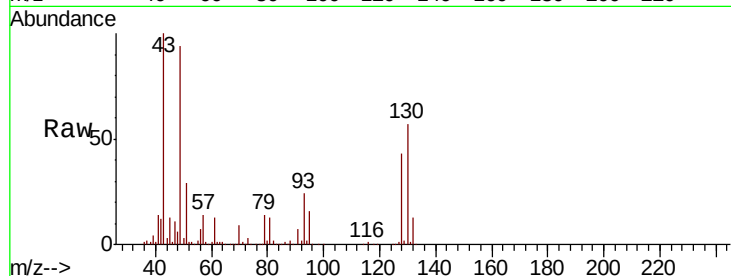
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.33	57	3759486	10.868	ppbv	99
45) t-1,3-Dichloropropene	8.72	75	857172	13.301	ppbv	100
46) cis-1,3-Dichloropropene	8.14	75	1161678	13.015	ppbv	97
47) 1,1,2-Trichloroethane	8.90	97	903627	10.256	ppbv	96
48) Dibromochloromethane	9.71	129	1526564	11.754	ppbv	100
49) Bromoform	12.41	173	1268987	11.796	ppbv	100
50) 4-Methyl-2-Pentanone	8.19	43	2322752	11.140	ppbv	99
51) 2-Hexanone	9.56	43	1800556	11.733	ppbv #	100
52) Tetrachloroethene	10.62	164	850068	10.950	ppbv	97
53) Toluene	9.23	91	2625079	11.430	ppbv	100
54) 1,2-Dibromoethane	10.01	107	1110844	11.272	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.51	131	1109080	8.394	ppbv	98
57) Chlorobenzene	11.53	112	1997720	8.235	ppbv	99
58) Ethyl Benzene	12.09	91	3447940	9.229	ppbv	100
59) m/p-Xylene	12.37	91	3232996	9.646	ppbv #	44
60) o-Xylene	13.06	91	2760542	8.581	ppbv	99
61) Styrene	12.90	104	1709921	9.979	ppbv	98
62) Isopropylbenzene	14.03	105	4033154	8.290	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.05	83	1112006	7.299	ppbv	99
64) n-propylbenzene	14.92	120	1043538	8.253	ppbv	95
65) tert-Butylbenzene	16.09	119	3514902	8.128	ppbv	100
66) Benzyl Chloride	16.33	91	324829	9.247	ppbv	98
67) sec-Butylbenzene	16.64	105	4937225	8.061	ppbv	99
69) p-Isopropyltoluene	17.00	119	4121270	8.106	ppbv	100
70) n-Butylbenzene	17.89	91	4108353	8.122	ppbv	99
71) 2-Chlorotoluene	14.80	91	2958524	8.396	ppbv	99
72) 4-Ethyltoluene	15.19	105	3316499	8.816	ppbv	98
73) 1,3,5-Trimethylbenzene	15.35	105	2910231	8.466	ppbv	100
74) 1,2,4-Trimethylbenzene	16.11	105	3096155	8.083	ppbv	97
75) 1,3-Dichlorobenzene	16.33	146	1857863	7.978	ppbv	100
76) 1,4-Dichlorobenzene	16.48	146	1855855	7.998	ppbv	97
77) 1,2-Dichlorobenzene	17.15	146	1777007	7.792	ppbv	99
78) Hexachloro-1,3-Butadiene	22.63	225	1458138	8.028	ppbv	99
79) Naphthalene	21.38	128	3098127	11.357	ppbv	99
80) Naphthalene, 2-methyl-	24.37	142	1131620	10.221	ppbv	99
81) 1,2,4-Trichlorobenzene	21.14	180	1731592	9.506	ppbv	98

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



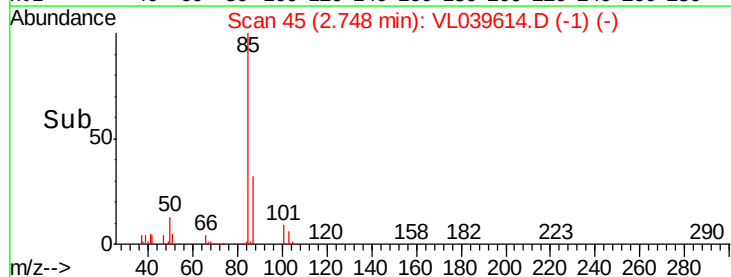
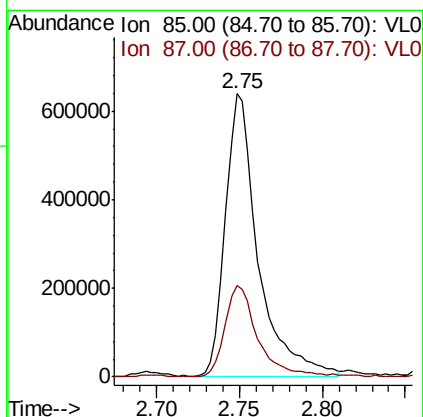
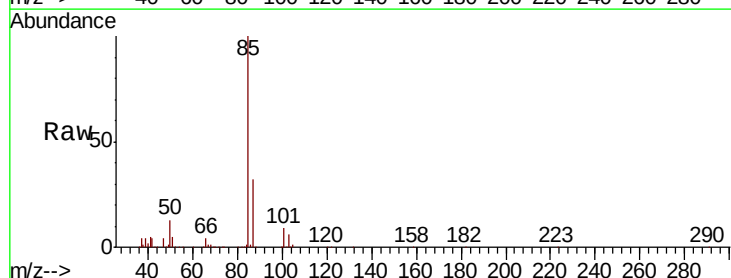
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.20
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 7 Sep 2022 10:44

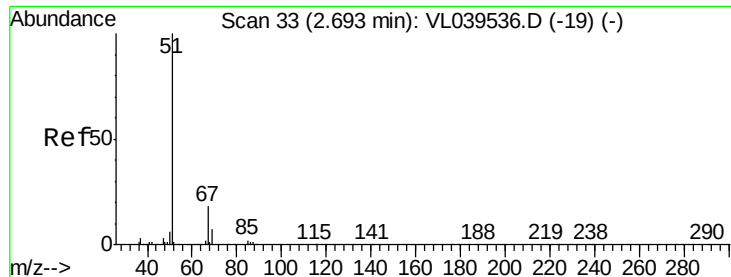
Tot Ion: 49 Resp: 1033348
 Ion Ratio Lower Upper
 49 100
 128 49.0 26.7 80.0
 130 63.7 34.3 102.8



#2
 Dichlorodifluoromethane
 Concen: 6.355 ppbv
 RT: 2.75 min Scan# 45
 Delta R.T.: -0.00 min
 Lab File: VL039614.D
 Acq: 7 Sep 2022 10:44

Tgt Ion: 85 Resp: 873884
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.7 40.1





#3

Chlorodifluoromethane

Concen: 9.873 ppbv

RT: 2.69 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

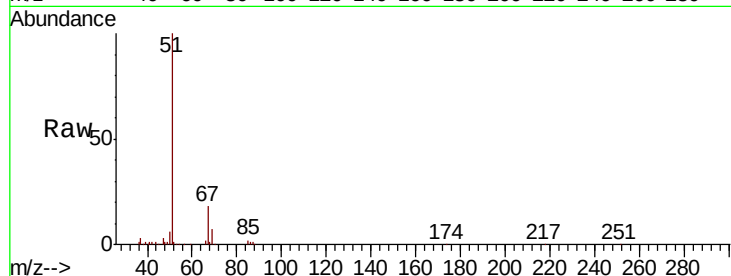
Acq: 7 Sep 2022 10:44 VSTDCCC010

Tot Ion: 51 Resp: 1215518

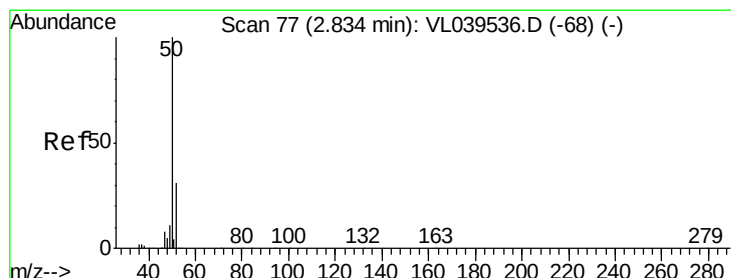
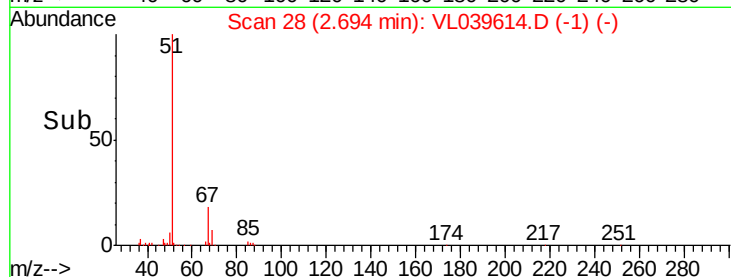
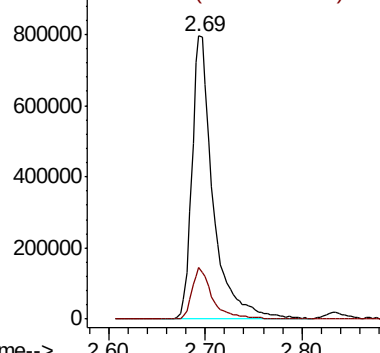
Ion Ratio Lower Upper

51 100

67 17.8 15.7 23.5



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.345 ppbv

RT: 2.84 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL039614.D

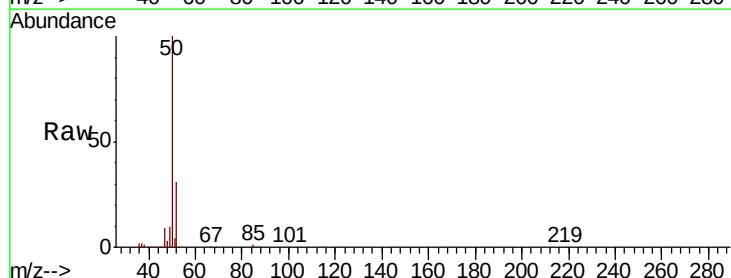
Acq: 7 Sep 2022 10:44

Tgt Ion: 50 Resp: 767153

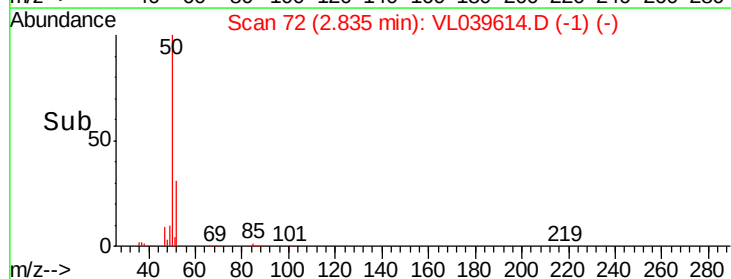
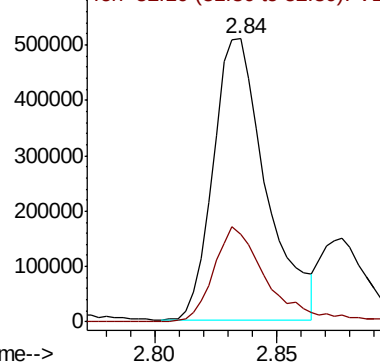
Ion Ratio Lower Upper

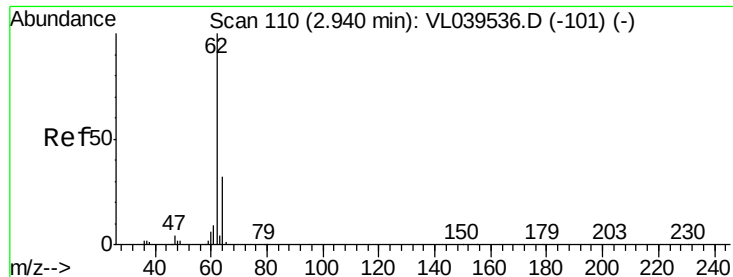
50 100

52 31.1 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.984 ppbv

RT: 2.94 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

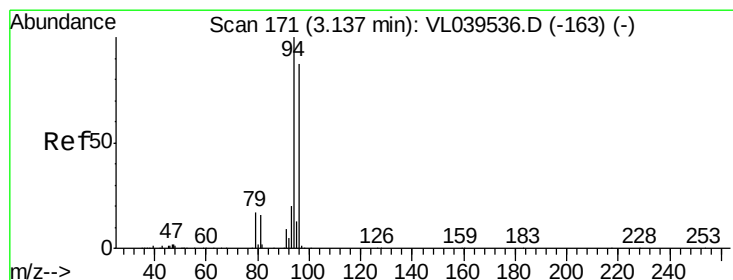
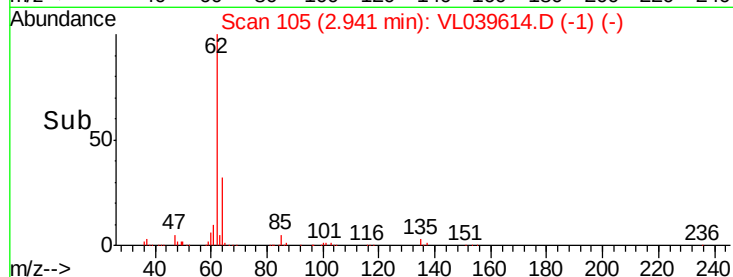
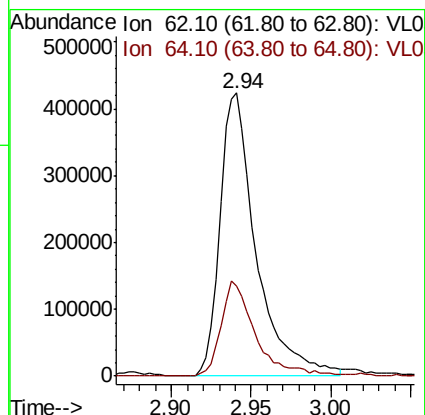
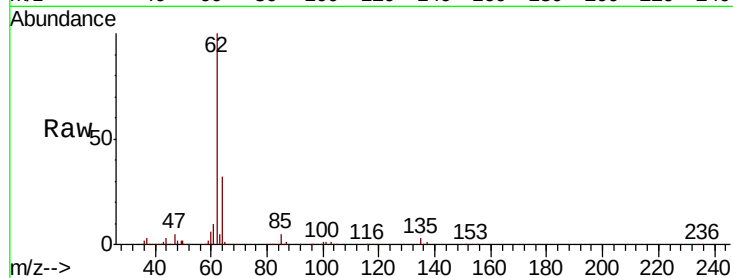
Acq: 7 Sep 2022 10:44 VSTDCCC010

Tot Ion: 62 Resp: 657421

Ion Ratio Lower Upper

62 100

64 31.8 24.6 36.8



#6

Bromomethane

Concen: 10.378 ppbv

RT: 3.14 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL039614.D

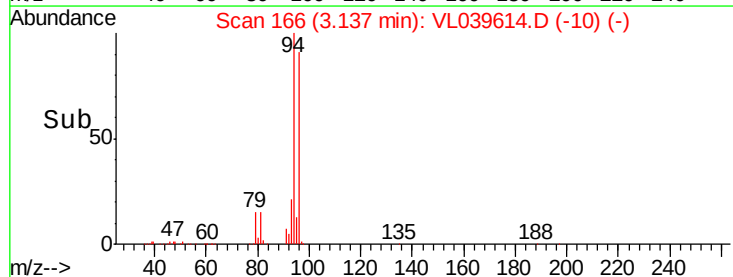
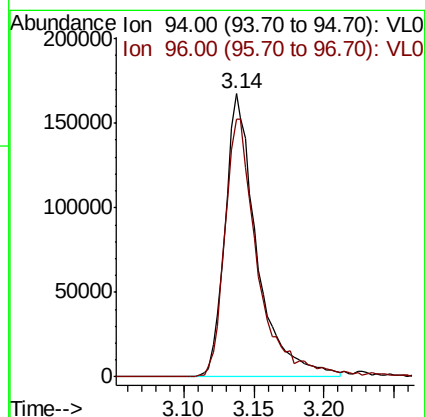
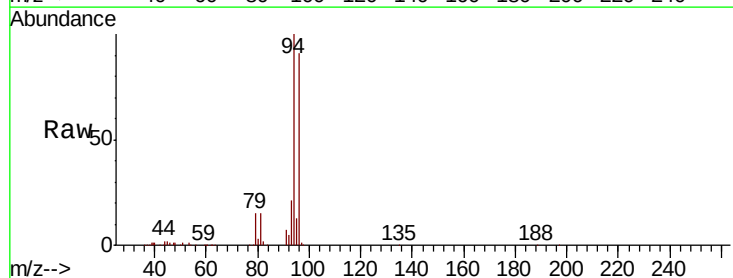
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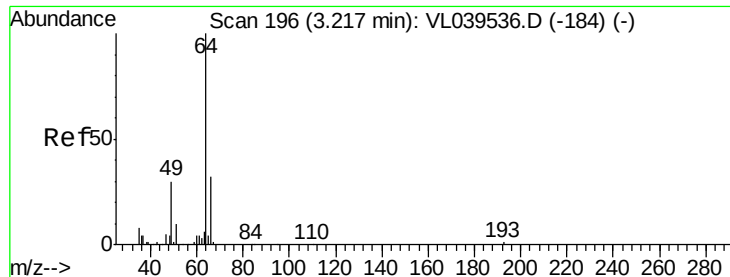
Tgt Ion: 94 Resp: 263412

Ion Ratio Lower Upper

94 100

96 91.0 75.6 113.4





#7

Chloroethane

Concen: 10.196 ppbv

RT: 3.22 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDCCC010

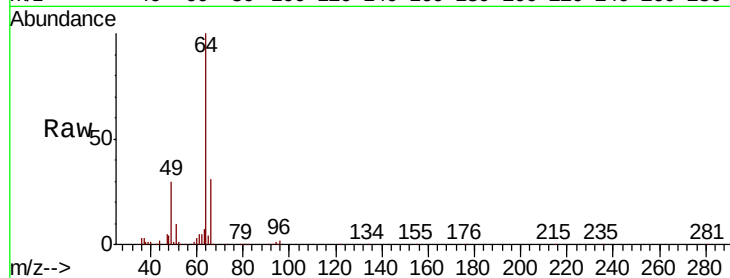
Acq: 7 Sep 2022 10:44

Tot Ion: 64 Resp: 228640

Ion Ratio Lower Upper

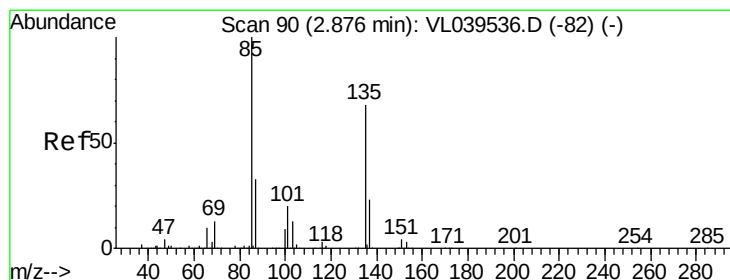
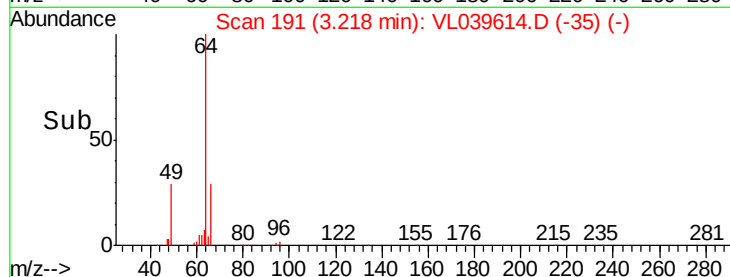
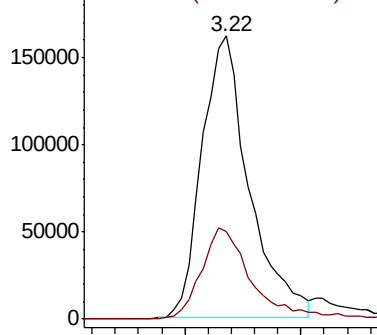
64 100

66 30.9 24.7 37.1



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.984 ppbv

RT: 2.88 min Scan# 85

Delta R.T. 0.00 min

Lab File: VL039614.D

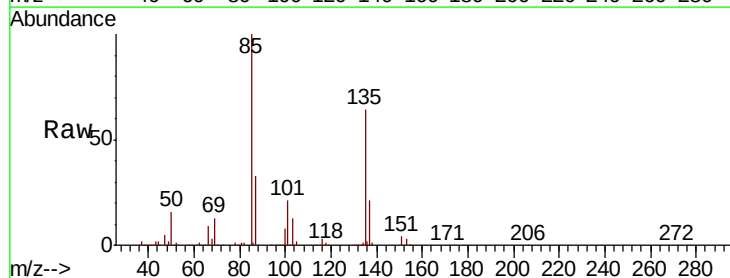
Acq: 7 Sep 2022 10:44

Tgt Ion: 85 Resp: 1321540

Ion Ratio Lower Upper

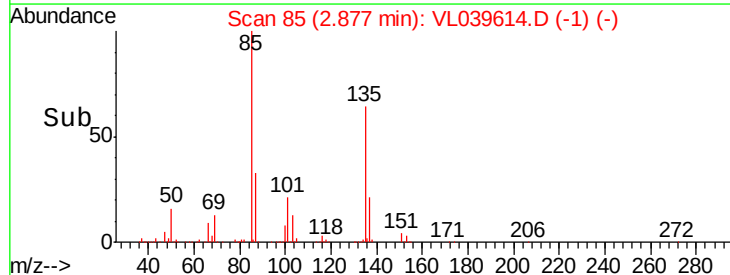
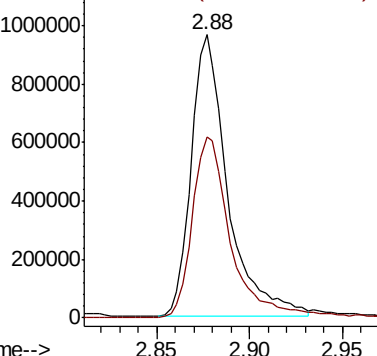
85 100

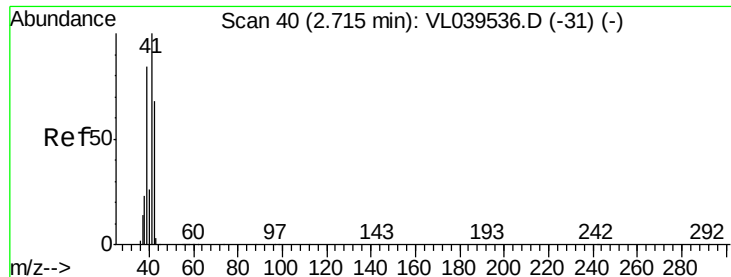
135 69.3 59.0 88.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 10.449 ppbv

RT: 2.71 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDCCC010

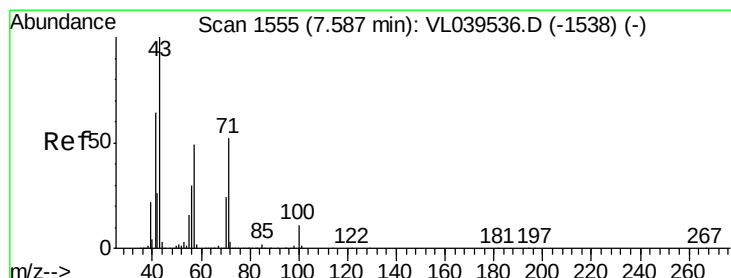
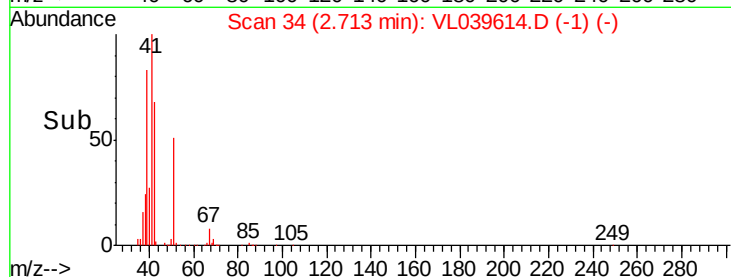
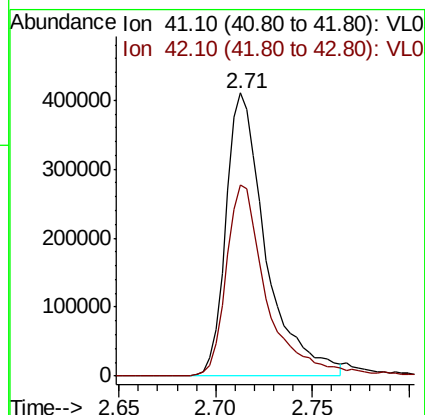
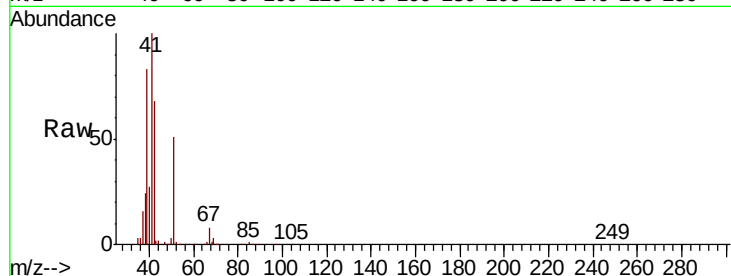
Acq: 7 Sep 2022 10:44

Tot Ion: 41 Resp: 588636

Ion Ratio Lower Upper

41 100

42 69.4 55.2 82.8



#10

Heptane

Concen: 11.059 ppbv

RT: 7.59 min Scan# 1550

Delta R.T. 0.00 min

Lab File: VL039614.D

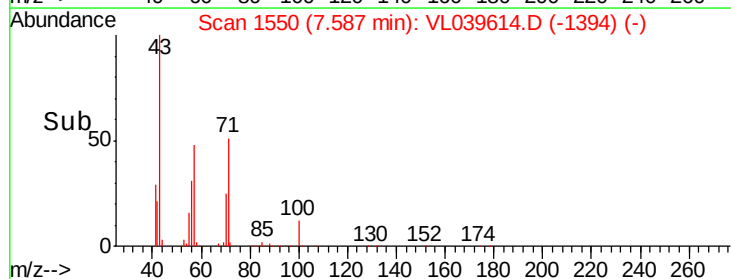
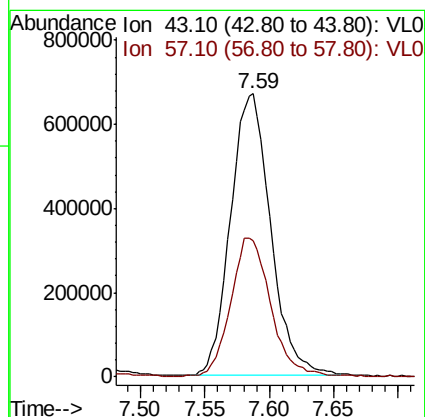
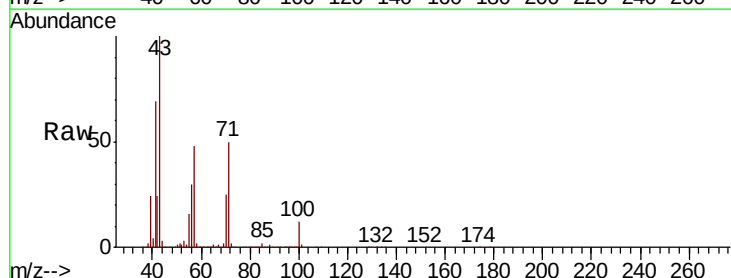
Acq: 7 Sep 2022 10:44

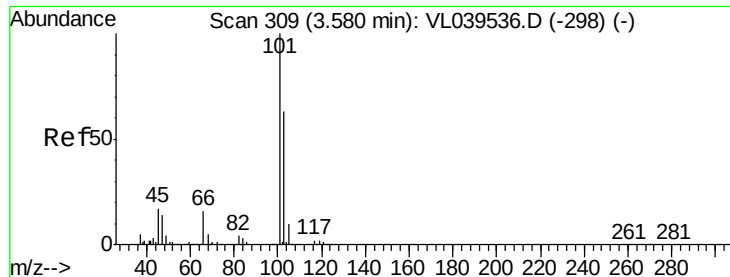
Tgt Ion: 43 Resp: 1442785

Ion Ratio Lower Upper

43 100

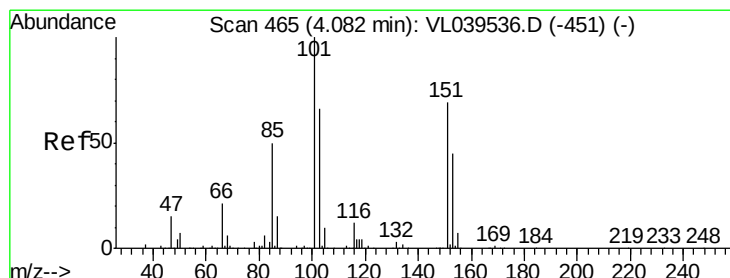
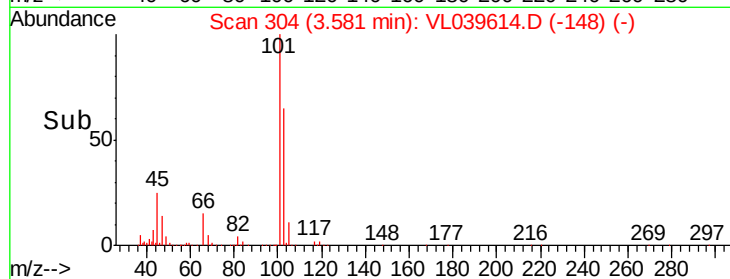
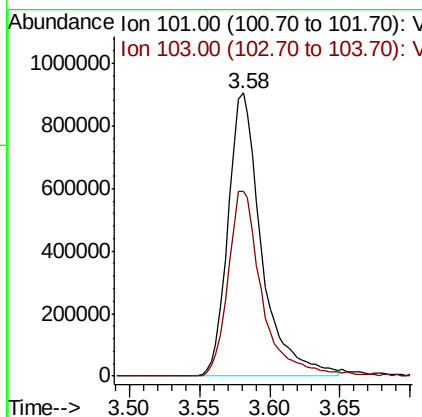
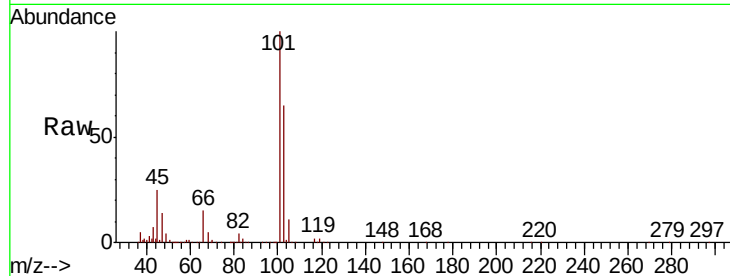
57 49.2 40.5 60.7





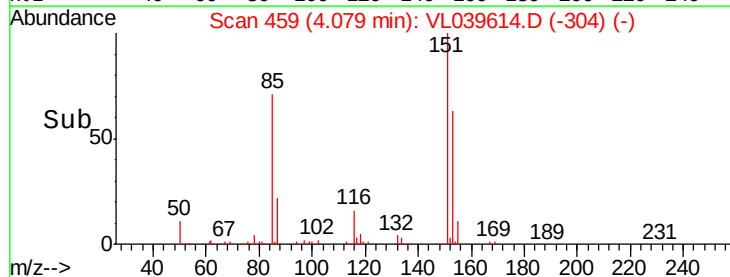
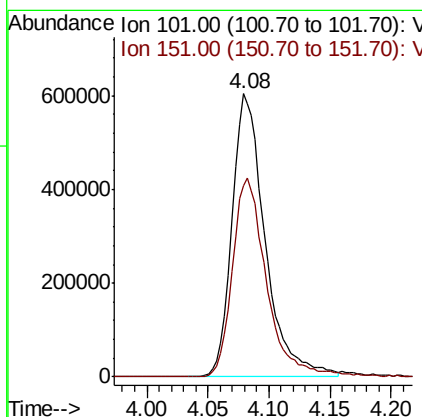
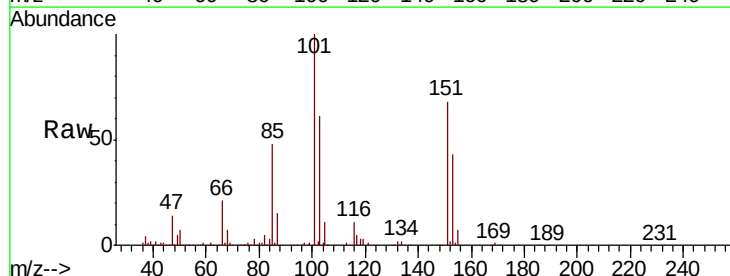
#11
 Trichlorofluoromethane
 Concen: 10.003 ppbv
 RT: 3.58
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 7 Sep 2022 10:44

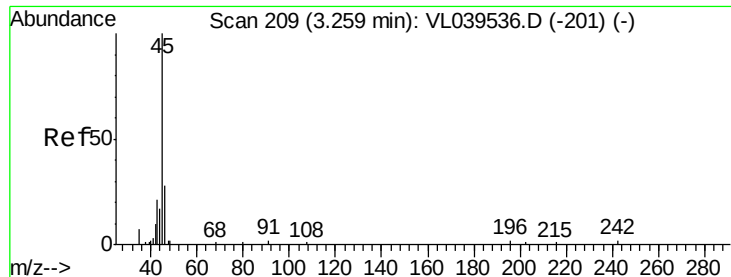
Tot Ion:101 Resp: 1509685
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.239 ppbv
 RT: 4.08 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: VL039614.D
 Acq: 7 Sep 2022 10:44

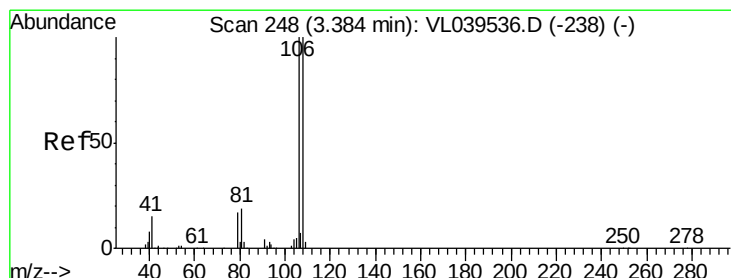
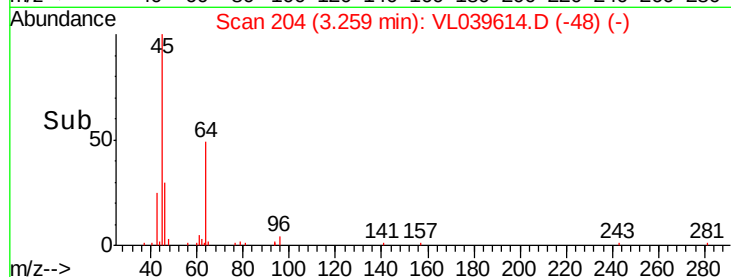
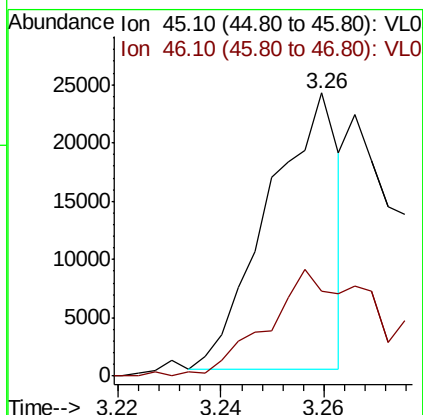
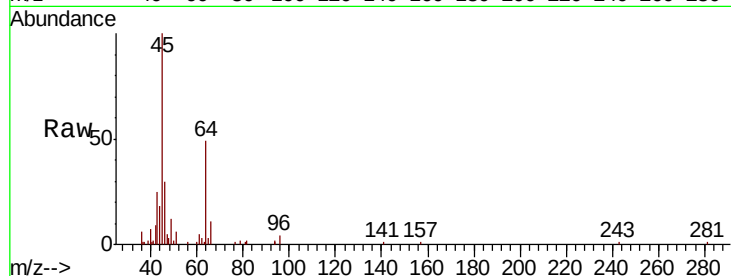
Tgt Ion:101 Resp: 1142907
 Ion Ratio Lower Upper
 101 100
 151 72.7 58.9 88.3





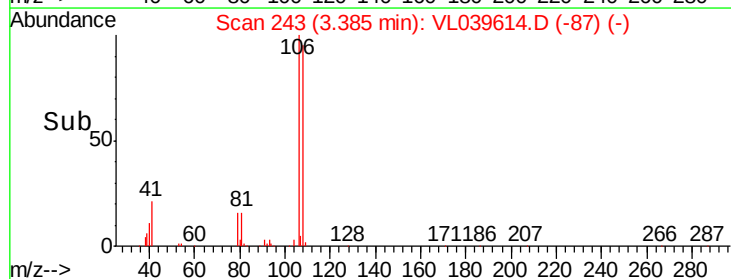
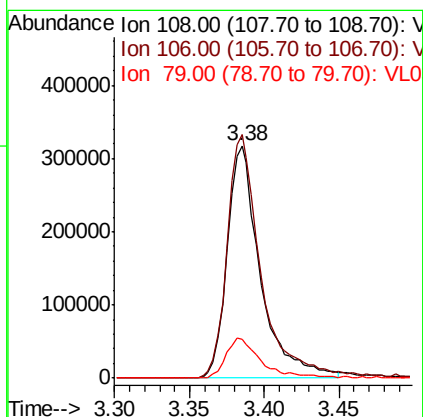
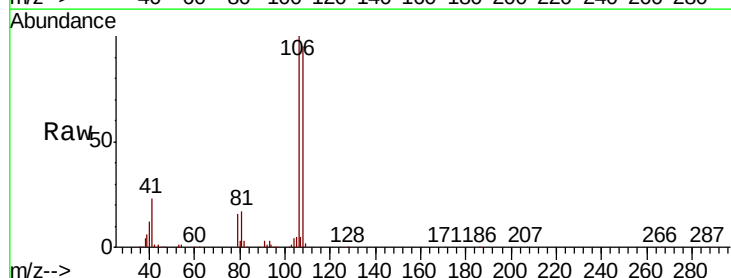
#13
Ethanol
Concen: 5.531 ppbv
RT: 3.26
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 7 Sep 2022 10:44

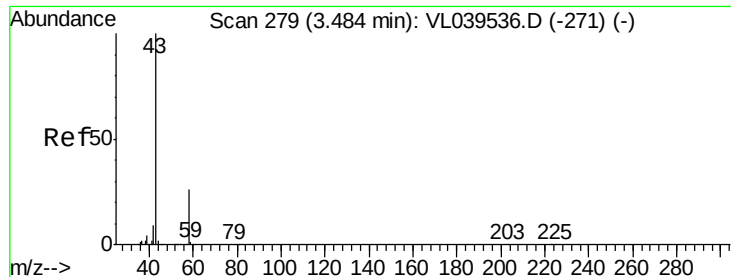
Tot Ion: 45 Resp: 22394
Ion Ratio Lower Upper
45 100
46 86.6 22.8 91.2



#14
Bromoethene
Concen: 10.756 ppbv
RT: 3.38 min Scan# 243
Delta R.T. 0.00 min
Lab File: VL039614.D
Acq: 7 Sep 2022 10:44

Tgt Ion: 108 Resp: 490563
Ion Ratio Lower Upper
108 100
106 108.9 87.1 130.7
79 18.5 14.6 22.0





#15

Acetone

Concen: 10.227 ppbv

RT: 3.48 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

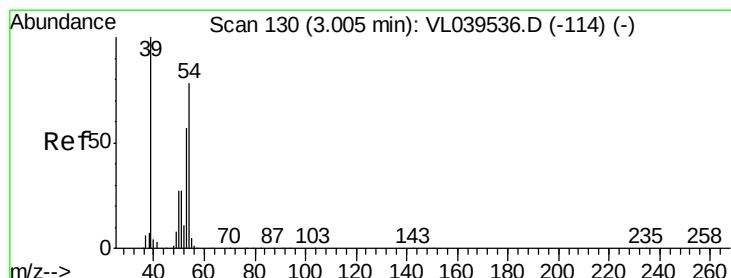
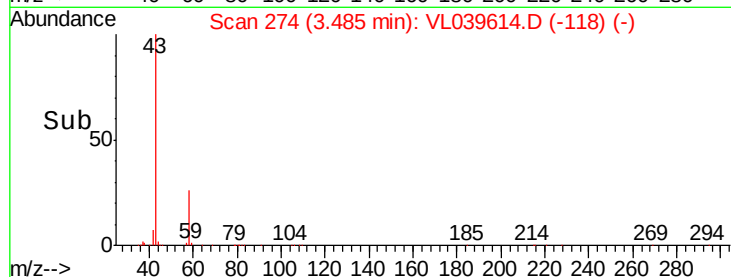
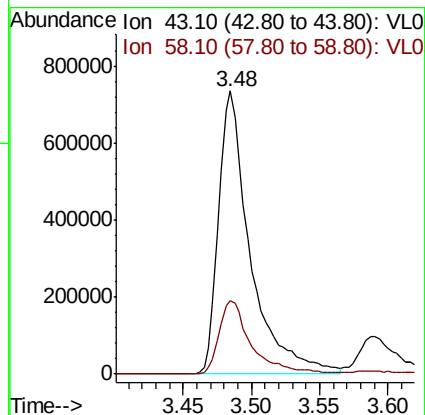
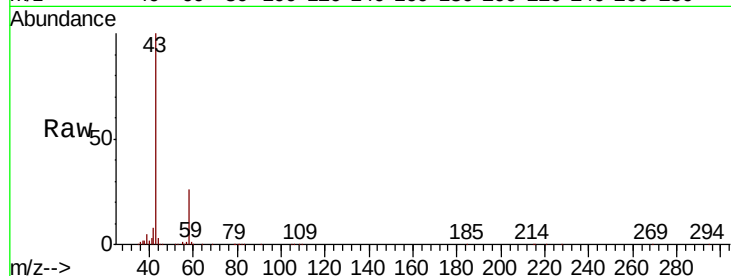
Acq: 7 Sep 2022 10:44 VSTDCCC010

Tot Ion: 43 Resp: 1183833

Ion Ratio Lower Upper

43 100

58 26.6 21.0 31.6



#16

1,3-Butadiene

Concen: 10.655 ppbv

RT: 3.01 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL039614.D

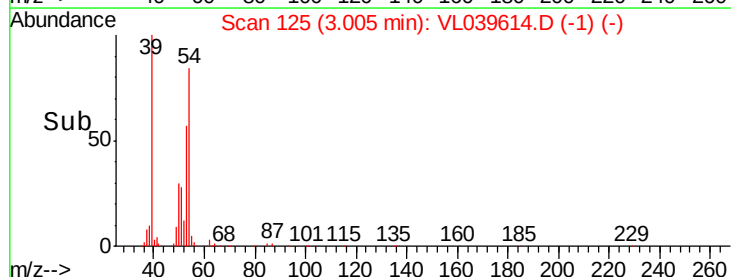
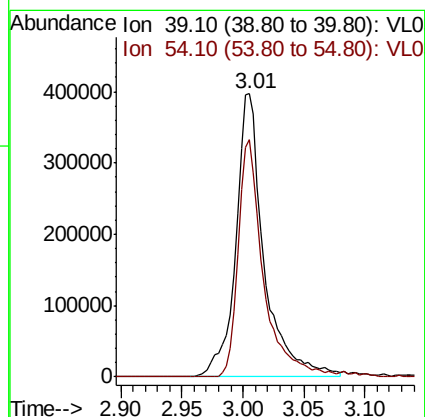
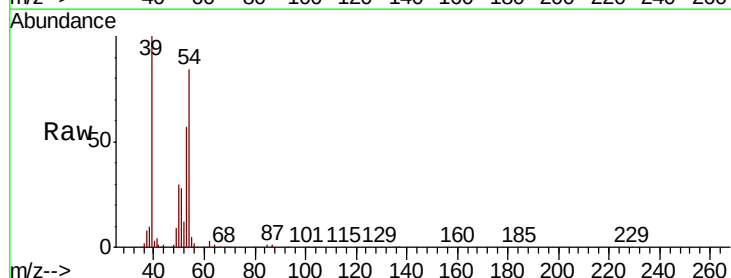
Acq: 7 Sep 2022 10:44

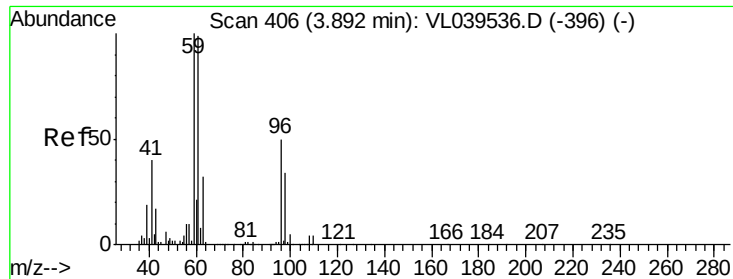
Tgt Ion: 39 Resp: 643580

Ion Ratio Lower Upper

39 100

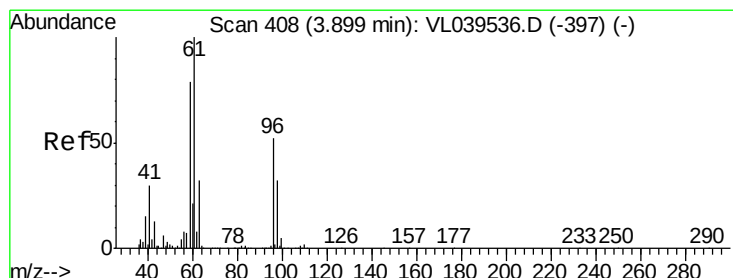
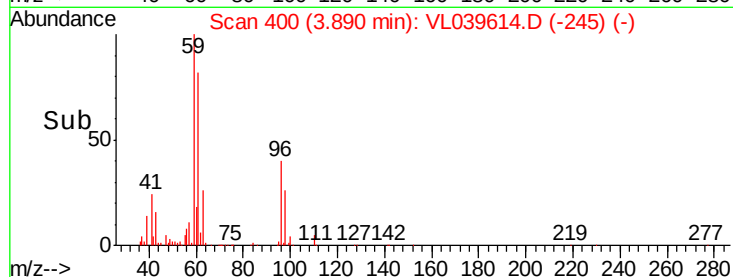
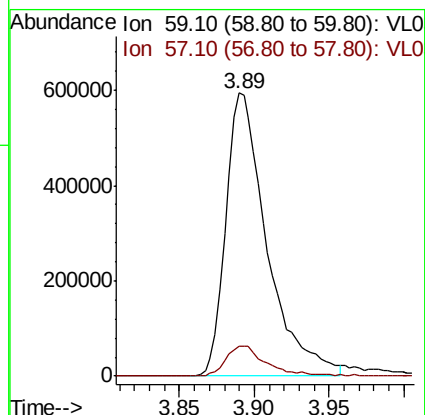
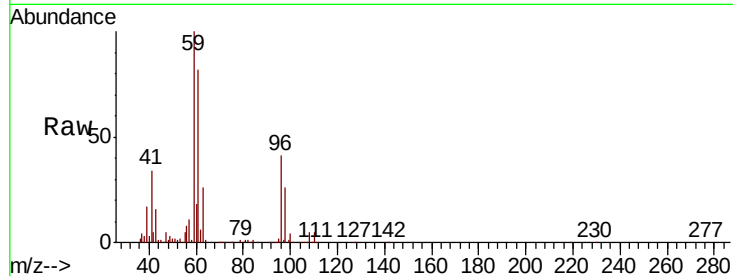
54 76.5 63.7 95.5





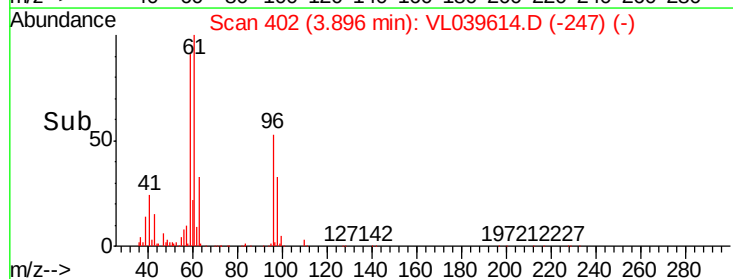
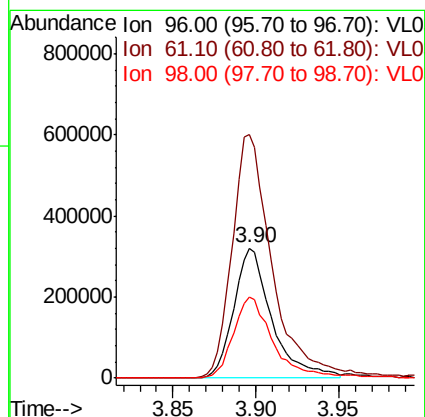
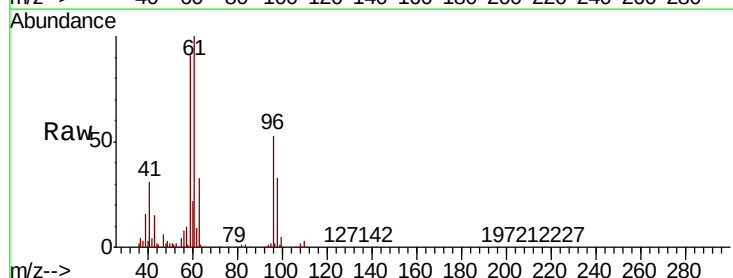
#17
 tert-Butyl alcohol
 Concen: 11.519 ppbv
 RT: 3.89
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 7 Sep 2022 10:44

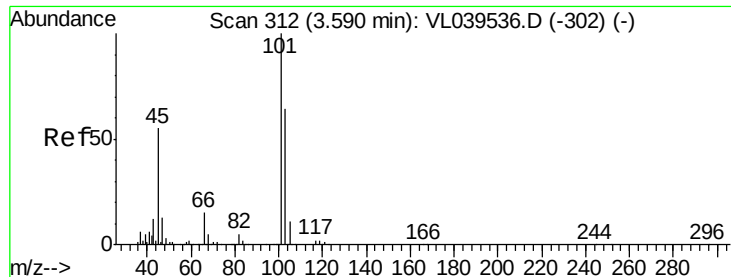
Tot Ion: 59 Resp: 1137909
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.7 13.1



#18
 1,1-Dichloroethene
 Concen: 10.143 ppbv
 RT: 3.90 min Scan# 402
 Delta R.T.: -0.00 min
 Lab File: VL039614.D
 Acq: 7 Sep 2022 10:44

Tgt Ion: 96 Resp: 509934
 Ion Ratio Lower Upper
 96 100
 61 187.1 152.2 228.4
 98 62.3 51.8 77.6





#19

Isopropyl Alcohol

Concen: 12.150 ppbv

RT: 3.59 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

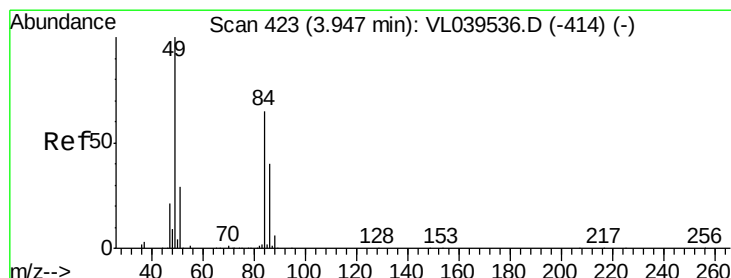
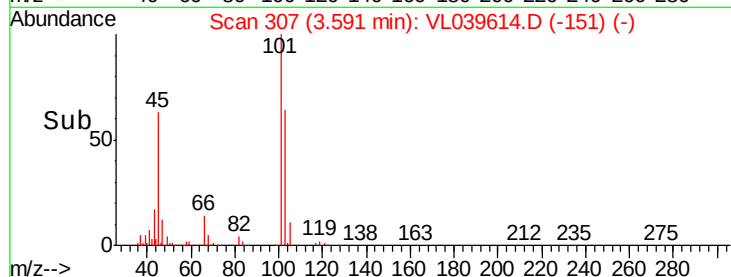
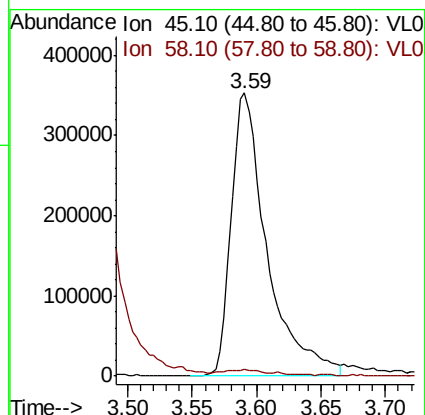
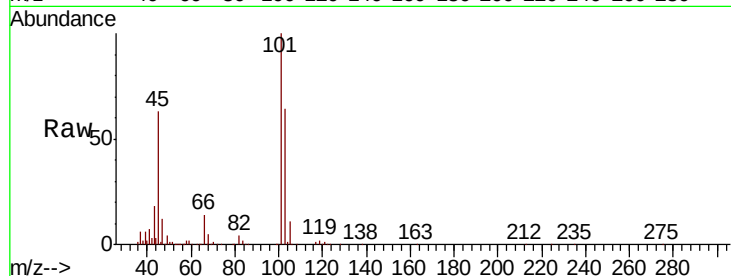
Acq: 7 Sep 2022 10:44

Tot Ion: 45 Resp: 684147

Ion Ratio Lower Upper

45 100

58 3.4 3.2 4.8



#20

Methylene Chloride

Concen: 9.397 ppbv

RT: 3.95 min Scan# 418

Delta R.T. 0.00 min

Lab File: VL039614.D

Acq: 7 Sep 2022 10:44

Tgt Ion: 84 Resp: 441892

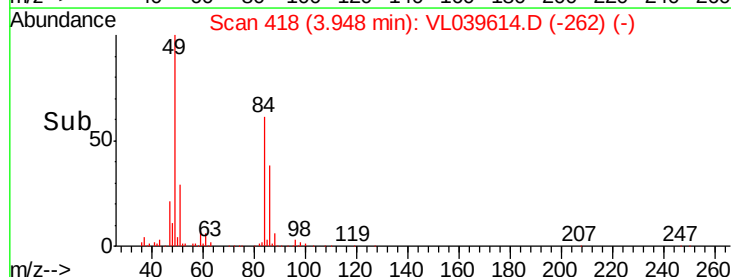
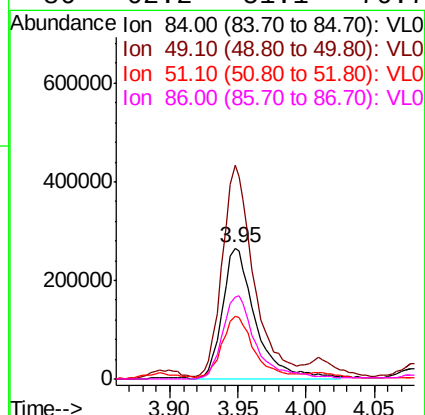
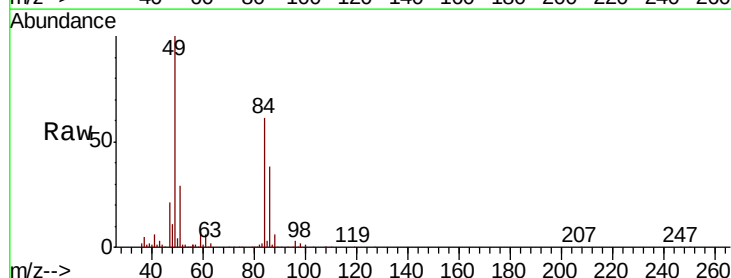
Ion Ratio Lower Upper

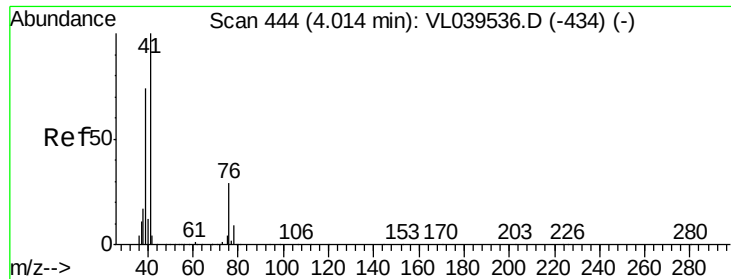
84 100

49 161.8 123.1 184.7

51 46.6 34.4 51.6

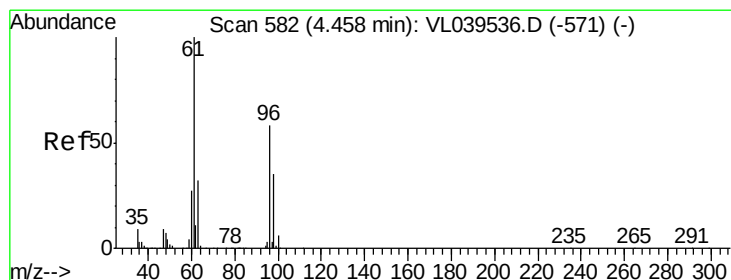
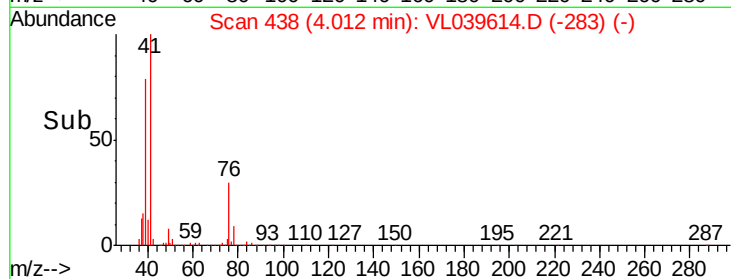
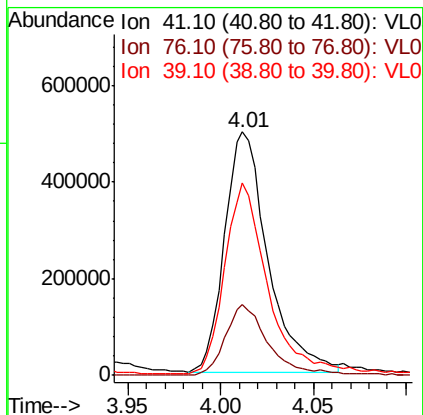
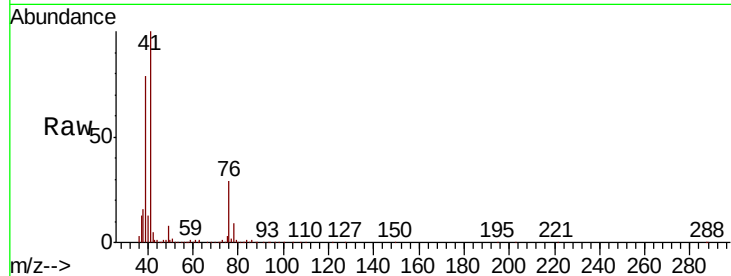
86 62.2 51.1 76.7





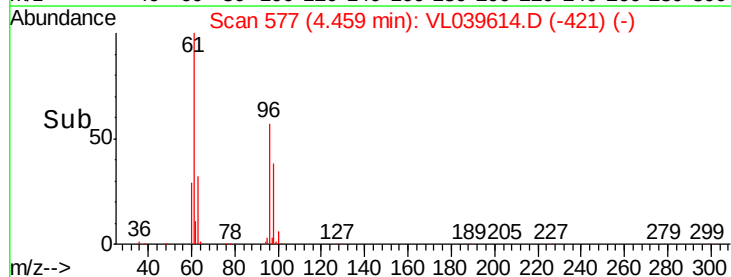
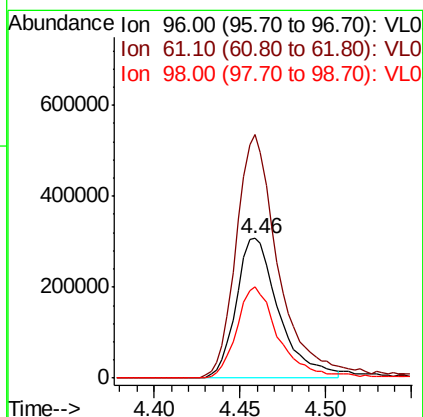
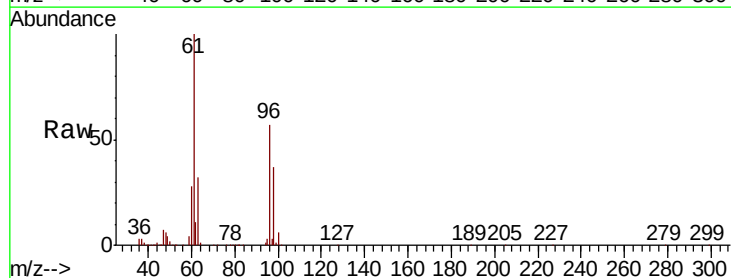
#21
 Allvl Chloride
 Concen: 10.741 ppbv
 RT: 4.01
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 7 Sep 2022 10:44

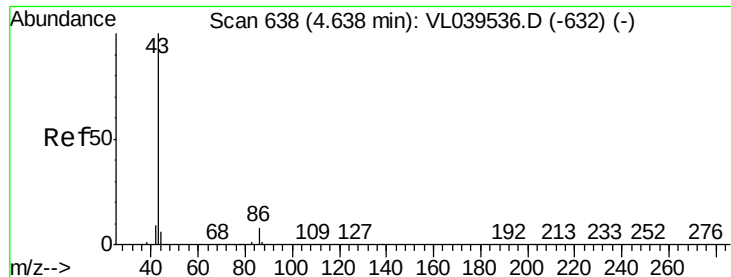
Tot Ion	Ratio	Lower	Upper
41	100		
76	29.6	24.4	36.6
39	80.3	63.5	95.3



#22
 trans-1,2-Dichloroethene
 Concen: 10.630 ppbv
 RT: 4.46 min Scan# 577
 Delta R.T.: 0.00 min
 Lab File: VL039614.D
 Acq: 7 Sep 2022 10:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.6	130.6	195.8
98	65.4	53.4	80.0





#23

Vinyl Acetate

Concen: 11.613 ppbv

RT: 4.64 Instrument: MSVOA_1

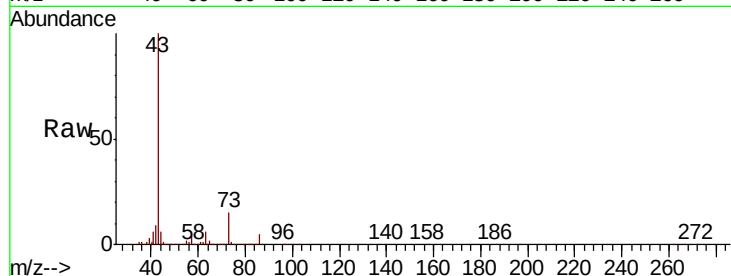
Delta R.T.

Lab File: ClientSampleId:

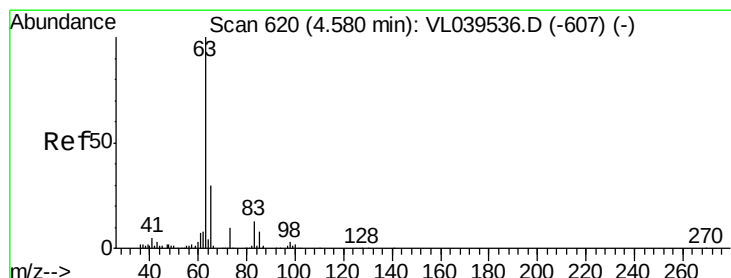
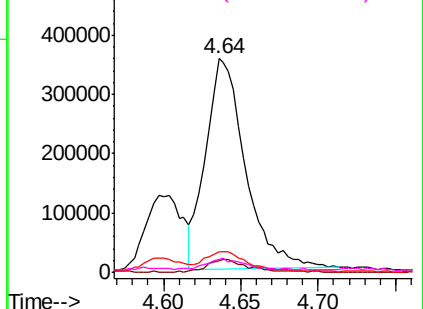
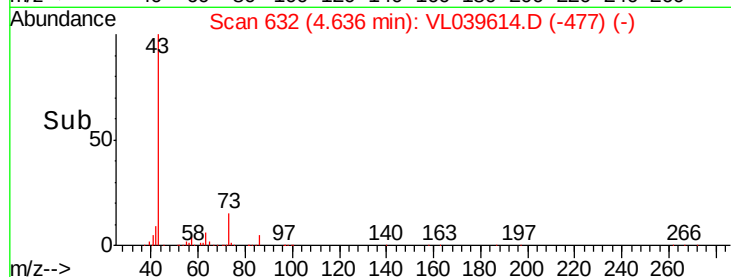
Acq: 7 Sep 2022 10:44 VSTDCCC010

Tot Ion: 43 Resp: 639167

Ion	Ratio	Lower	Upper
43	100		
86	5.3	5.0	7.6
42	9.3	7.7	11.5
44	4.8	4.6	7.0



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: 10.822 ppbv

RT: 4.58 min Scan# 614

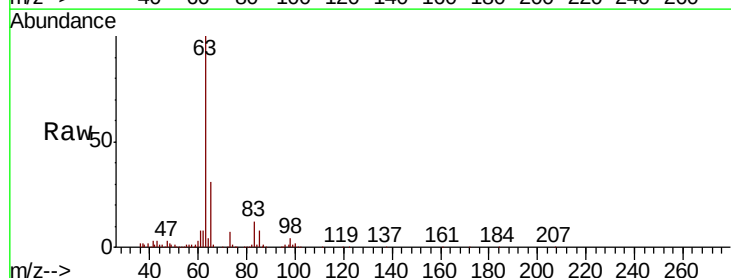
Delta R.T. -0.00 min

Lab File: VL039614.D

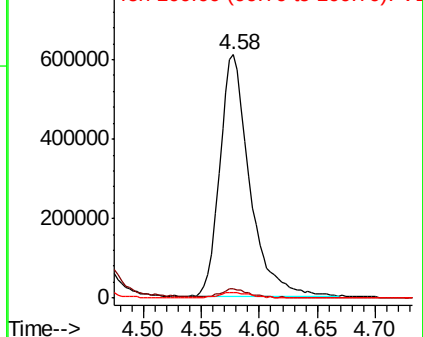
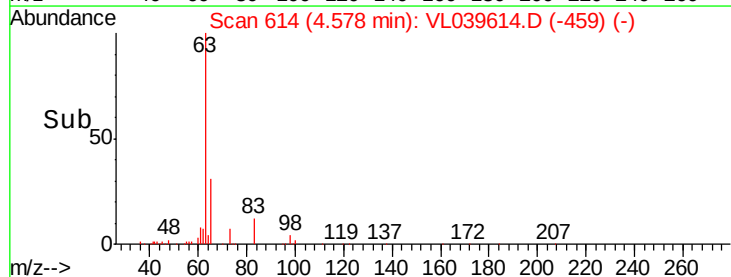
Acq: 7 Sep 2022 10:44

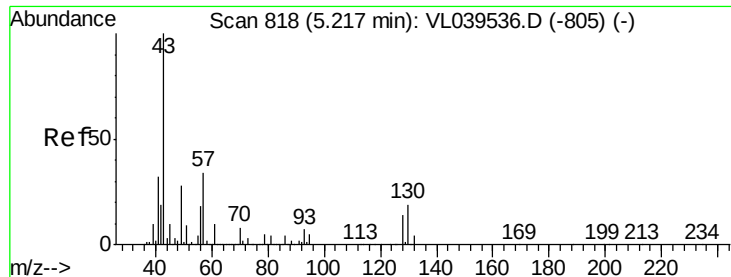
Tgt Ion: 63 Resp: 1102536

Ion	Ratio	Lower	Upper
63	100		
98	3.6	1.8	5.3
100	2.4	1.5	4.4



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

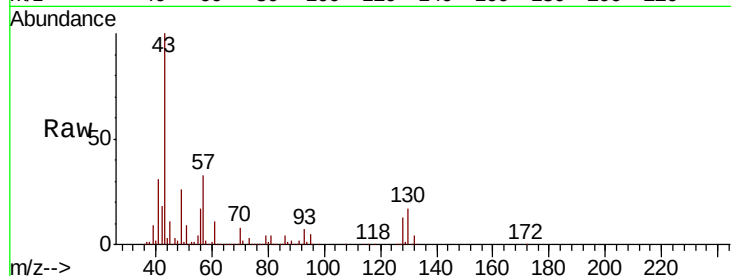




#25
Ethyl Acetate
Concen: 10.397 ppbv
RT: 5.21 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010
Acq: 7 Sep 2022 10:44

Tot Ion: 43 Resp: 2575091

Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.2	12.4
61	10.2	8.3	12.5
70	7.1	5.9	8.9



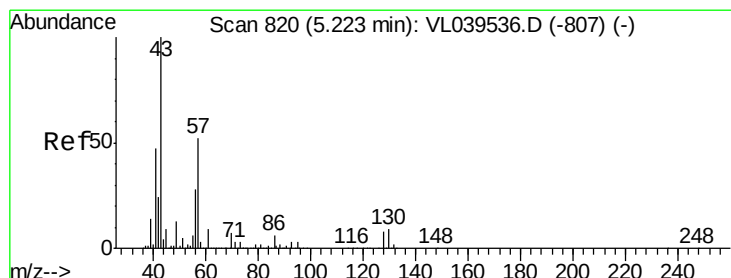
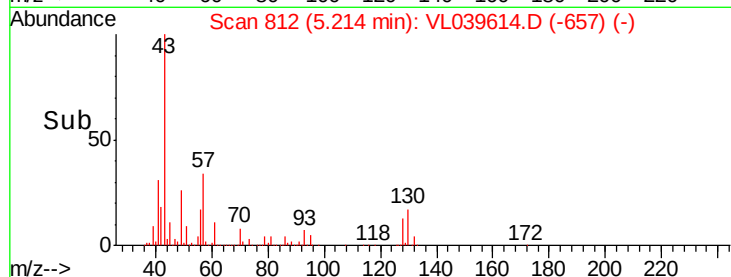
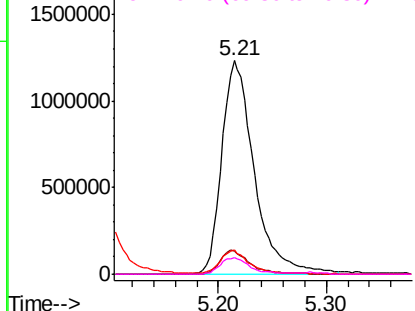
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

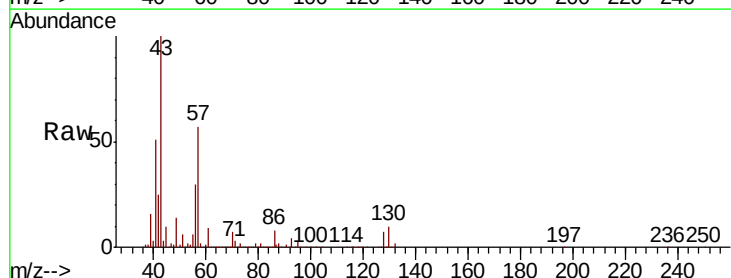
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.472 ppbv
RT: 5.22 min Scan# 815
Delta R.T.: 0.00 min
Lab File: VL039614.D
Acq: 7 Sep 2022 10:44

Tgt Ion: 57 Resp: 1058613

Ion	Ratio	Lower	Upper
57	100		
41	96.3	76.9	115.3
43	247.0	191.0	286.6
56	54.7	43.2	64.8



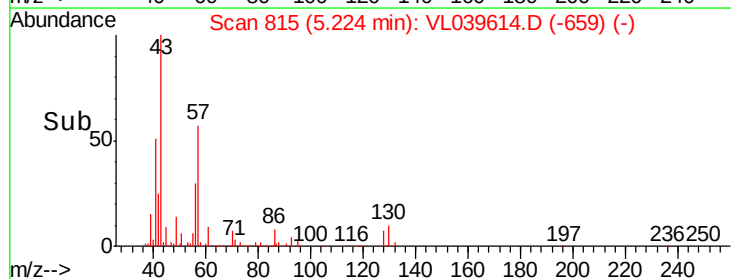
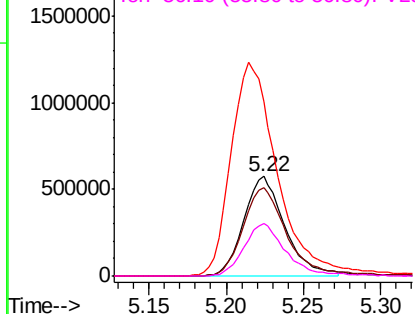
Abundance

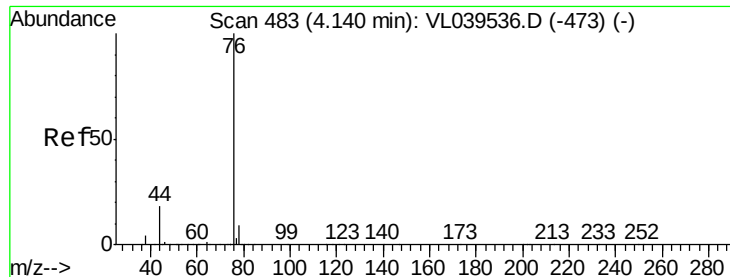
Ion 57.10 (56.80 to 57.80): VL0

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: 11.963 ppbv

RT: 4.14 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Sep 2022 10:44 VSTDCCC010

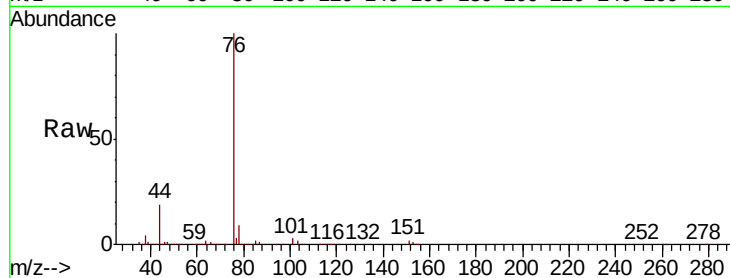
Tot Ion: 76 Resp: 1291928

Ion	Ratio	Lower	Upper
76	100		
44	19.5	14.6	21.8
78	10.0	7.8	11.6

76 100

44 19.5 14.6 21.8

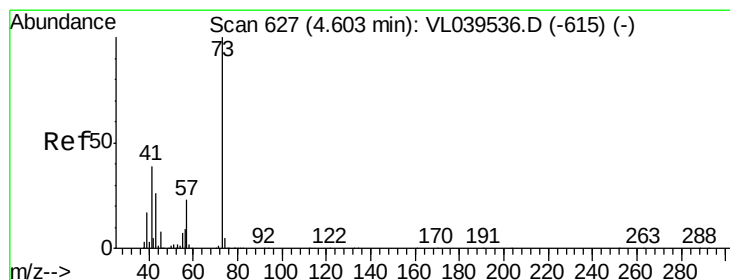
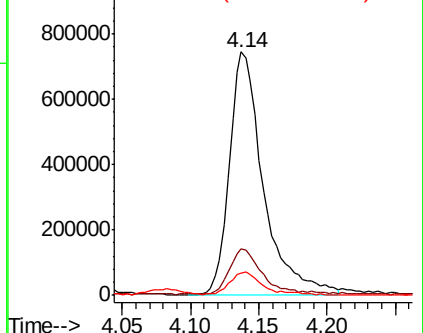
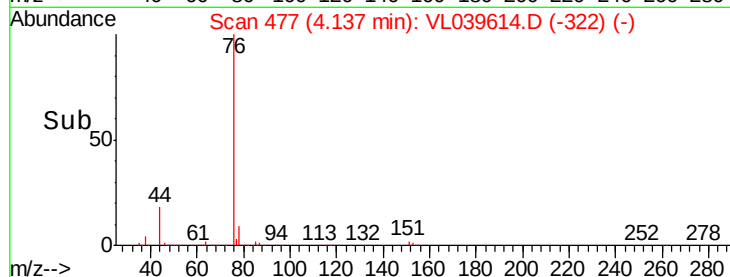
78 10.0 7.8 11.6



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: 10.812 ppbv

RT: 4.60 min Scan# 620

Delta R.T. -0.01 min

Lab File: VL039614.D

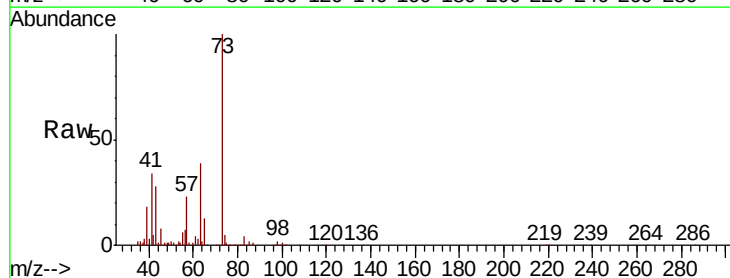
Acq: 7 Sep 2022 10:44

Tgt Ion: 73 Resp: 942822

Ion	Ratio	Lower	Upper
73	100		
57	23.9	19.8	29.8

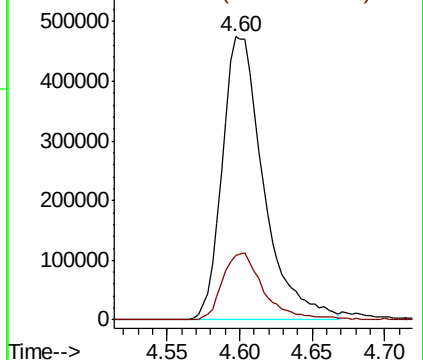
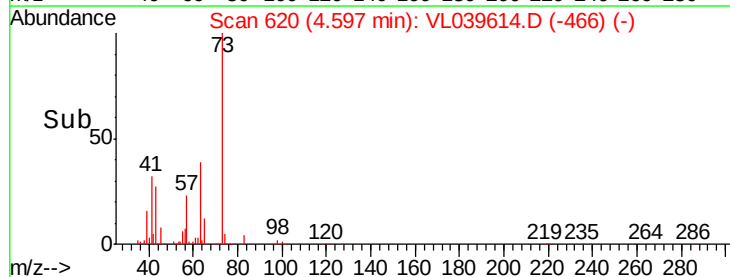
73 100

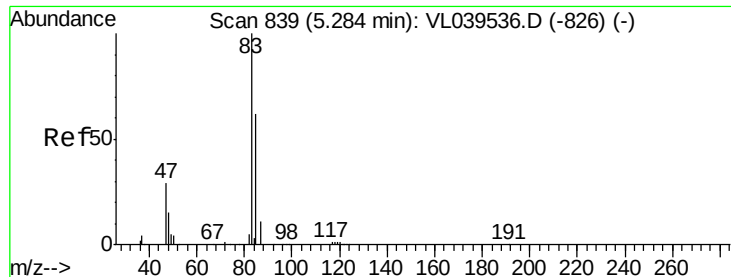
57 23.9 19.8 29.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

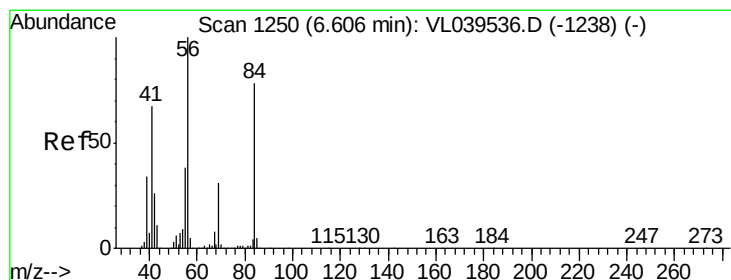
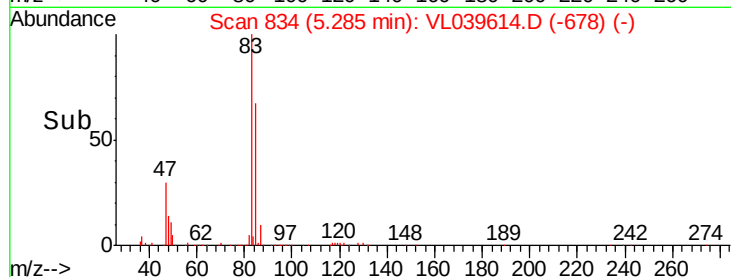
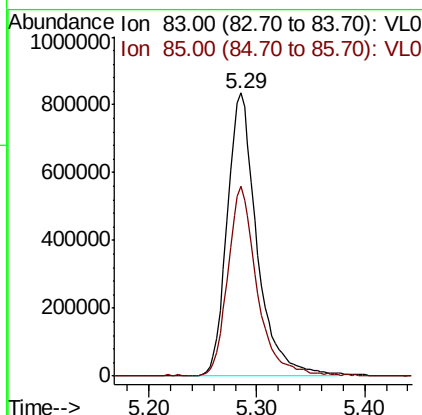
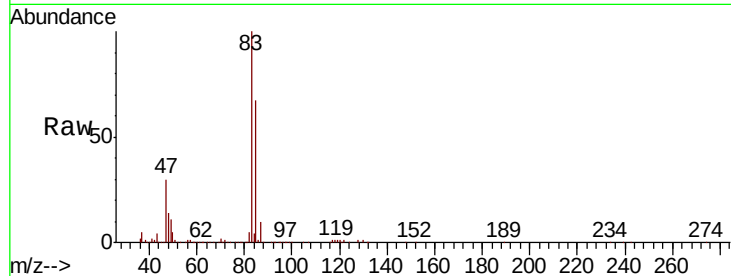
Ion 57.10 (56.80 to 57.80): VL0





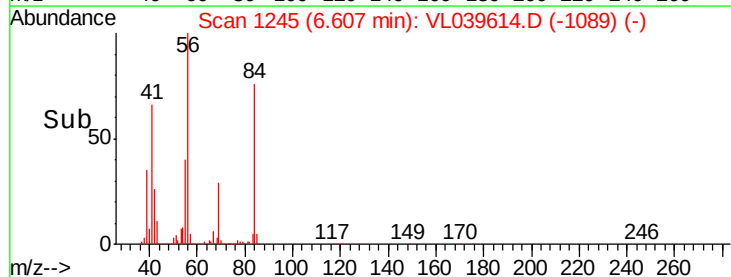
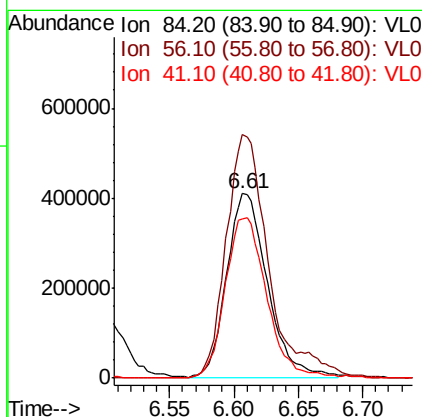
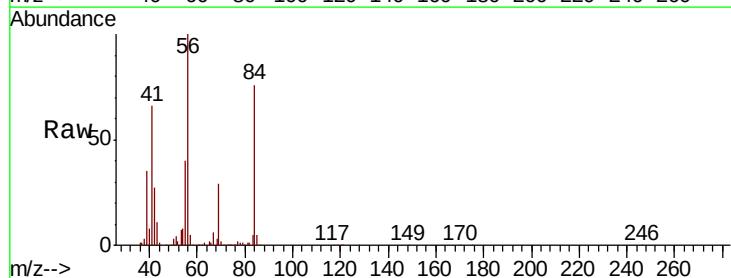
#29
Chloroform
Concen: 10.196 ppbv
RT: 5.29
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 7 Sep 2022 10:44

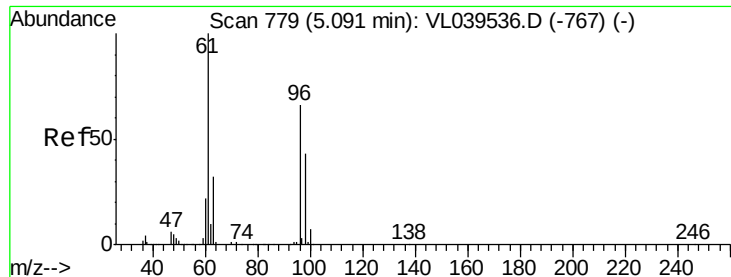
Tot Ion: 83 Resp: 1612053
Ion Ratio Lower Upper
83 100
85 66.8 52.8 79.2



#30
Cyclohexane
Concen: 10.803 ppbv
RT: 6.61 min Scan# 1245
Delta R.T.: 0.00 min
Lab File: VL039614.D
Acq: 7 Sep 2022 10:44

Tgt Ion: 84 Resp: 904259
Ion Ratio Lower Upper
84 100
56 138.5 107.7 161.5
41 88.9 67.7 101.5





#31

cis-1,2-Dichloroethene

Concen: 10.645 ppbv

RT: 5.09 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Sep 2022 10:44 VSTDCCC010

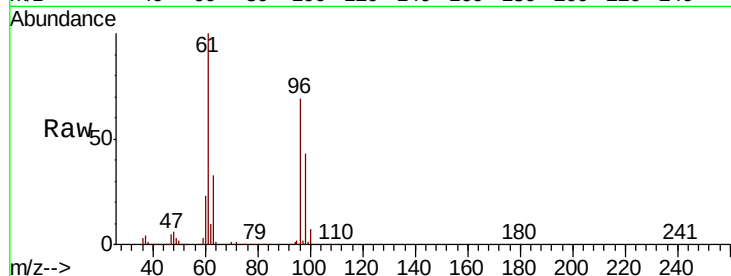
Tot Ion: 61 Resp: 1042287

Ion Ratio Lower Upper

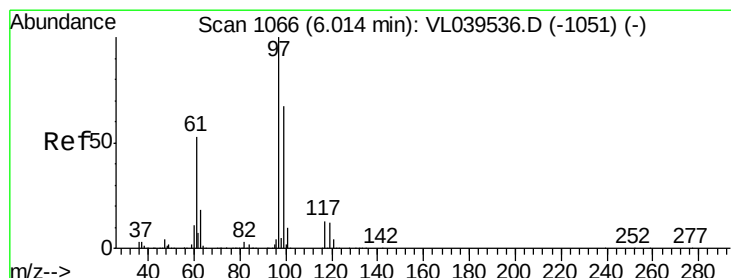
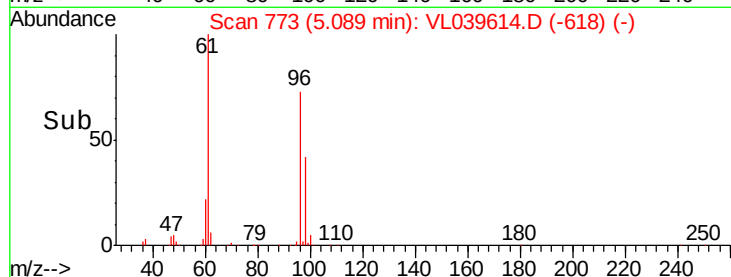
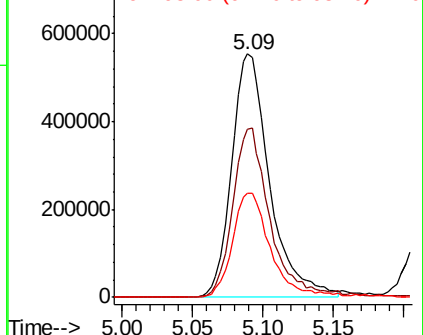
61 100

96 69.1 54.1 81.1

98 42.6 34.6 52.0



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



#32

1,1,1-Trichloroethane

Concen: 11.241 ppbv

RT: 6.01 min Scan# 1060

Delta R.T. -0.00 min

Lab File: VL039614.D

Acq: 7 Sep 2022 10:44

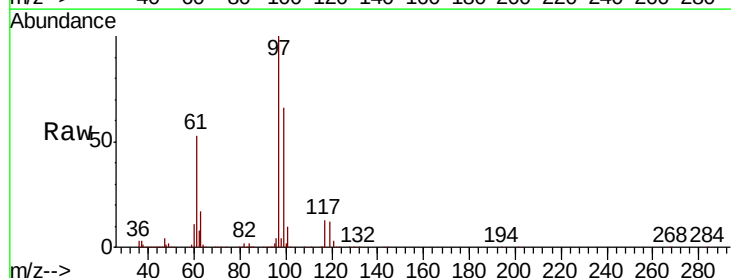
Tgt Ion: 97 Resp: 1563404

Ion Ratio Lower Upper

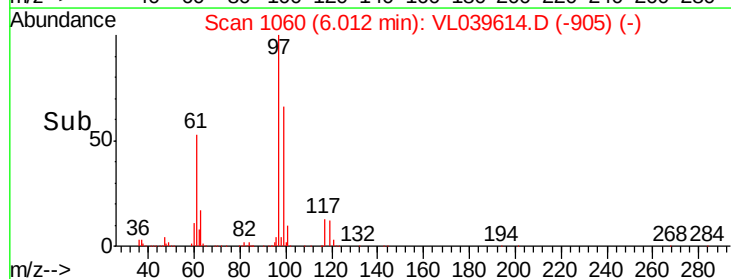
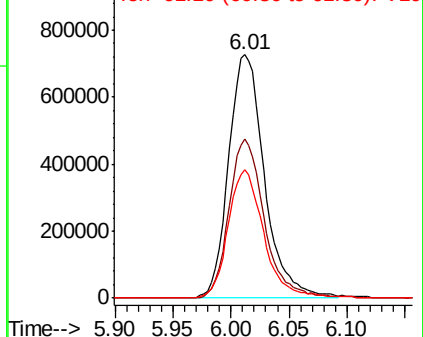
97 100

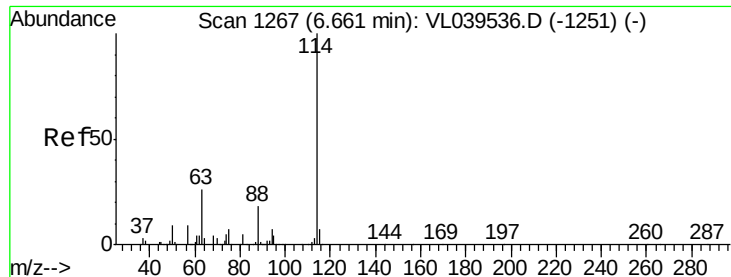
99 64.8 52.3 78.5

61 52.5 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

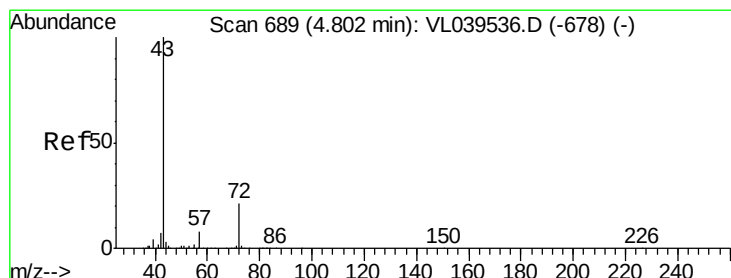
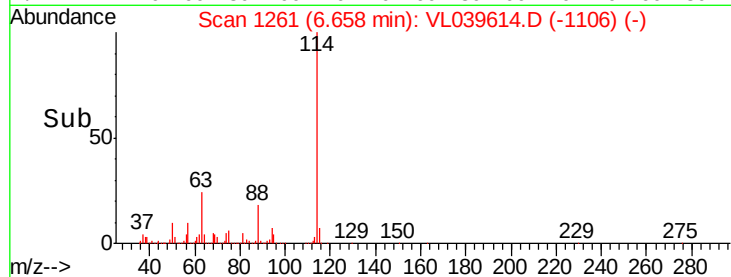
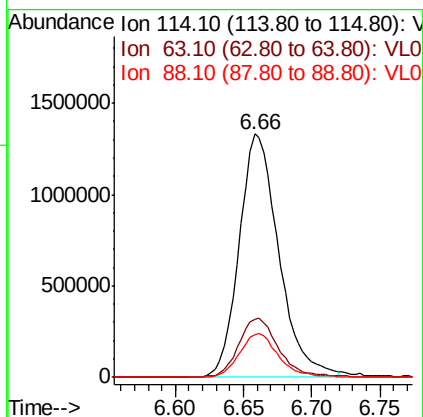
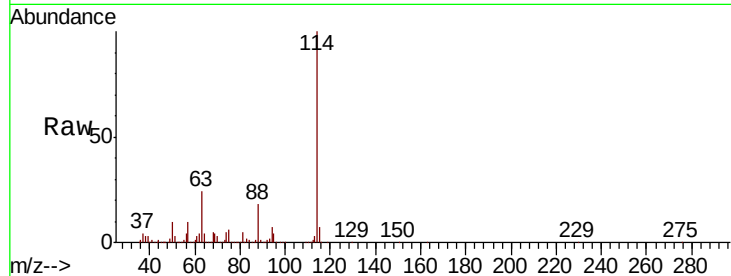




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.66
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 7 Sep 2022 10:44

Tot Ion:114 Resp: 2691986

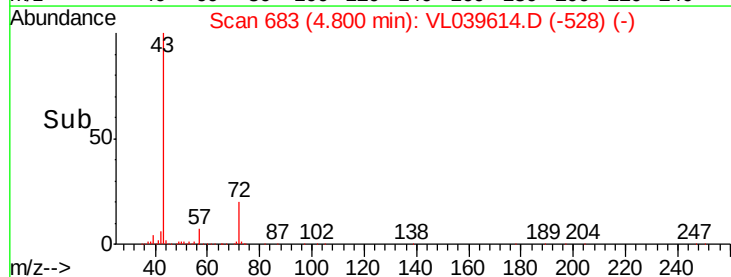
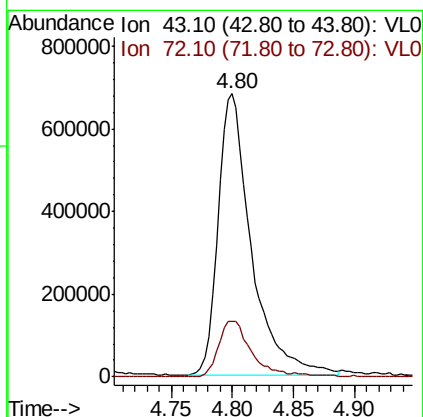
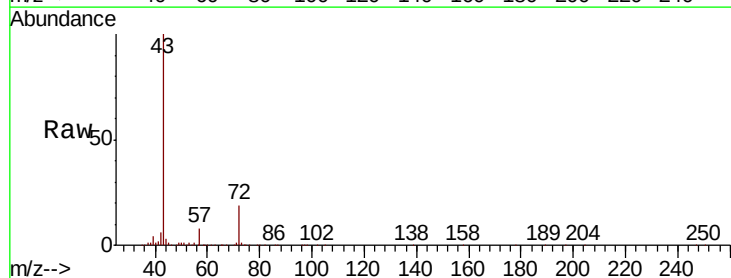
Ion	Ratio	Lower	Upper
114	100		
63	25.3	20.2	30.4
88	18.0	14.5	21.7

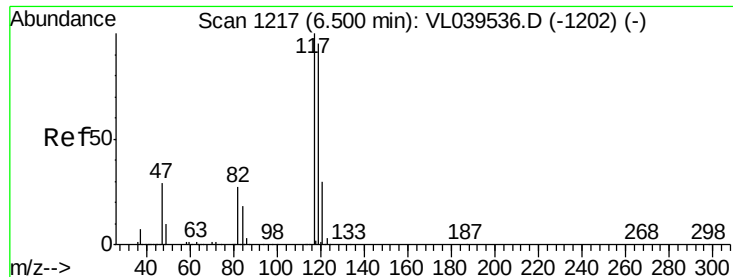


#34
 2-Butanone
 Concen: 9.812 ppbv
 RT: 4.80 min Scan# 683
 Delta R.T.: -0.00 min
 Lab File: VL039614.D
 Acq: 7 Sep 2022 10:44

Tgt Ion: 43 Resp: 1313118

Ion	Ratio	Lower	Upper
43	100		
72	20.6	17.9	26.9





#35

Carbon Tetrachloride

Concen: 11.221 ppbv

RT: 6.50 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 7 Sep 2022 10:44 VSTDCCC010

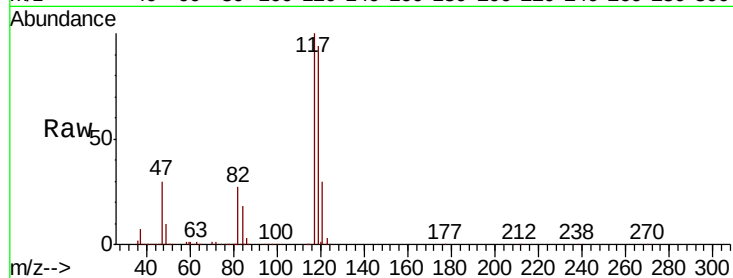
Tot Ion:117 Resp: 1632831

Ion Ratio Lower Upper

117 100

119 93.8 75.4 113.2

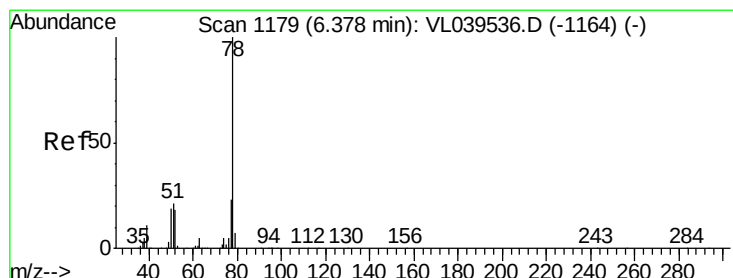
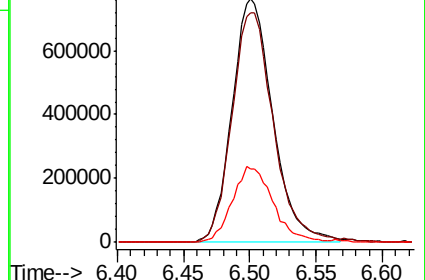
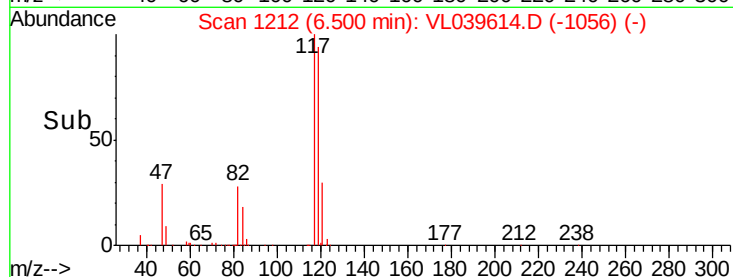
121 30.3 24.2 36.2



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: 11.038 ppbv

RT: 6.38 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VL039614.D

Acq: 7 Sep 2022 10:44

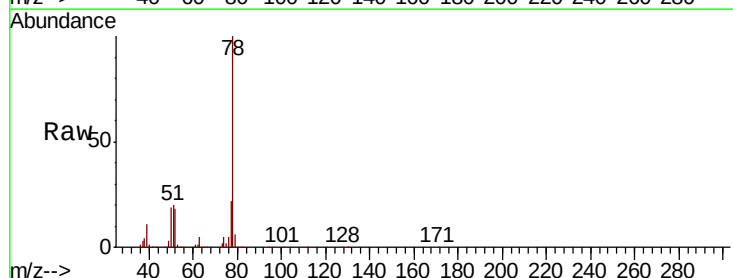
Tgt Ion: 78 Resp: 2265021

Ion Ratio Lower Upper

78 100

77 21.8 20.3 30.5

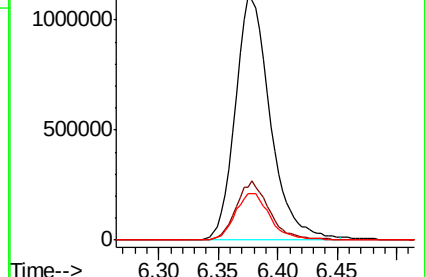
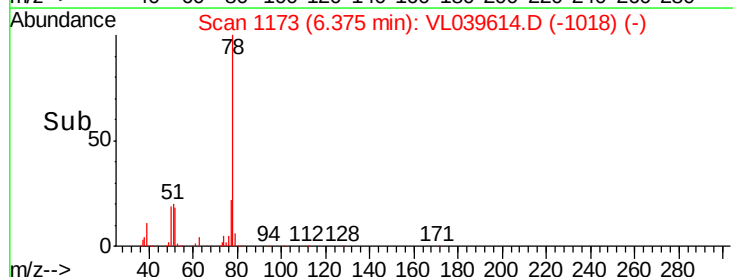
50 19.3 15.5 23.3

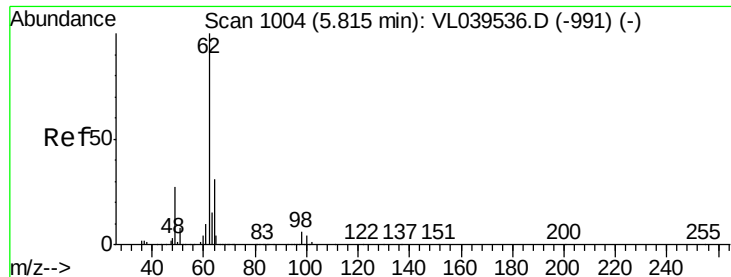


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

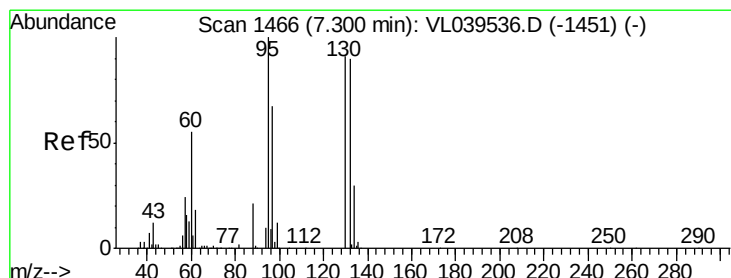
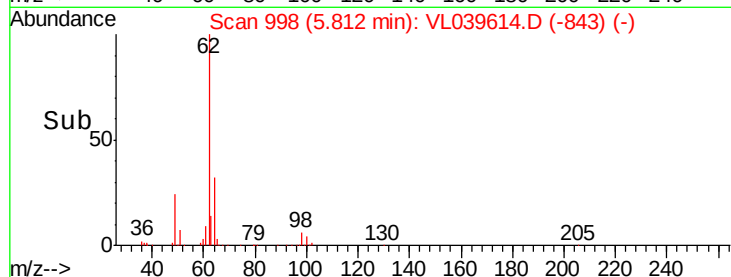
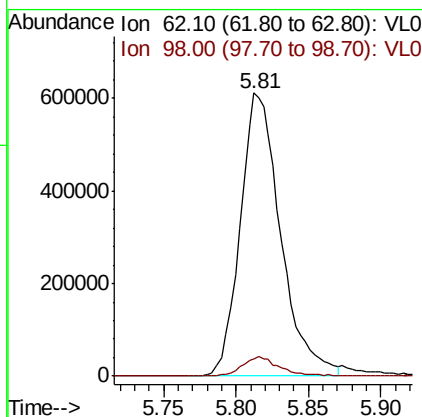
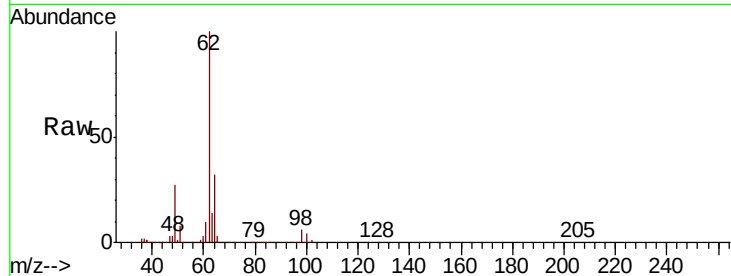
Ion 50.10 (49.80 to 50.80): VL0





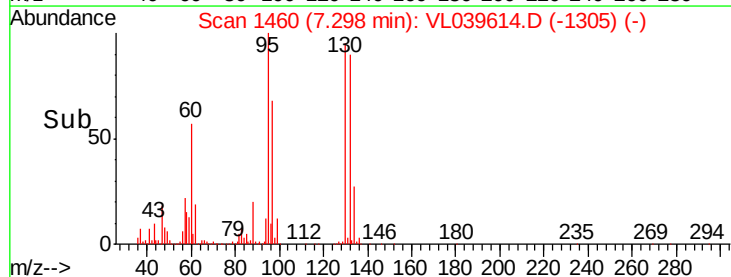
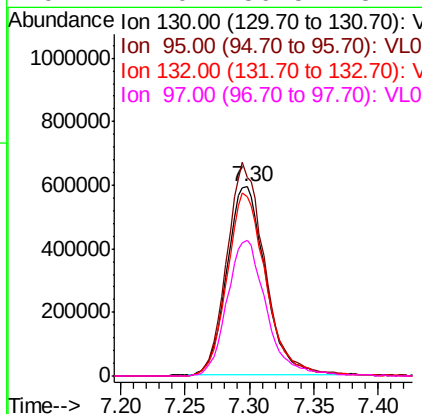
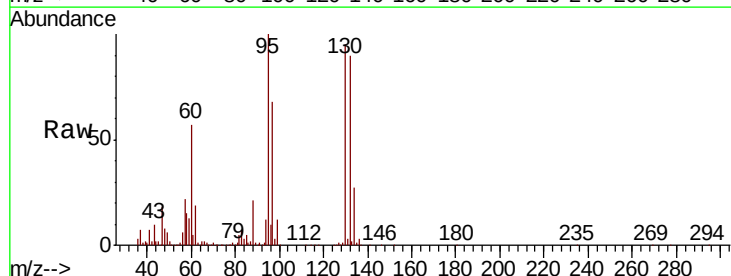
#37
 1,2-Dichloroethane
 Concen: 10.486 ppbv
 RT: 5.81
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 7 Sep 2022 10:44

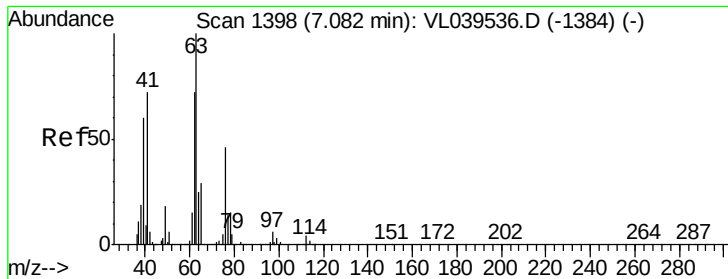
Tot Ion: 62 Resp: 1185291
 Ion Ratio Lower Upper
 62 100
 98 6.5 5.1 7.7



#38
 Trichloroethene
 Concen: 11.252 ppbv
 RT: 7.30 min Scan# 1460
 Delta R.T. -0.00 min
 Lab File: VL039614.D
 Acq: 7 Sep 2022 10:44

Tgt Ion:130 Resp: 1237152
 Ion Ratio Lower Upper
 130 100
 95 105.3 87.3 130.9
 132 94.7 76.7 115.1
 97 72.0 56.5 84.7





#39

1,2-Dichloropropane

Concen: 11.056 ppbv

RT: 7.08 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 7 Sep 2022 10:44 VSTDCCC010

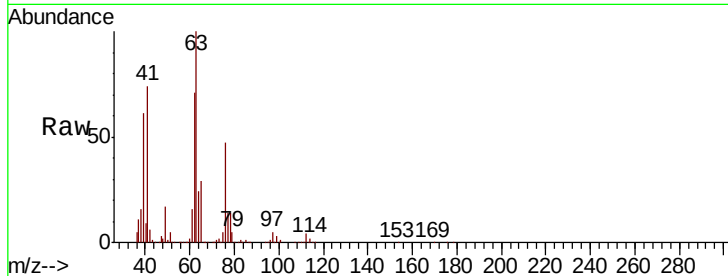
Tot Ion: 63 Resp: 853001

Ion Ratio Lower Upper

63 100

41 73.6 59.6 89.4

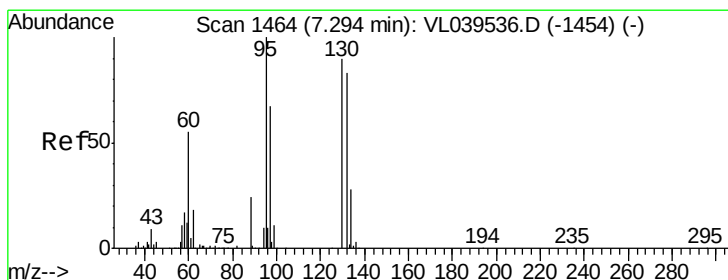
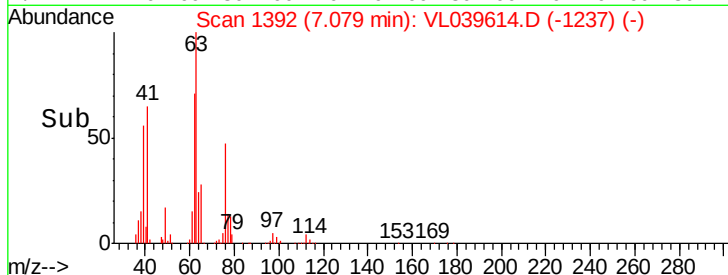
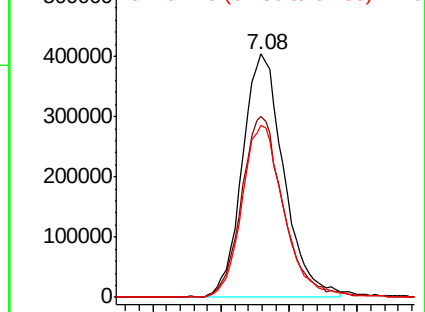
62 70.6 51.4 77.0



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: 9.721 ppbv

RT: 7.30 min Scan# 1460

Delta R.T. 0.00 min

Lab File: VL039614.D

Acq: 7 Sep 2022 10:44

Tgt Ion: 88 Resp: 293632

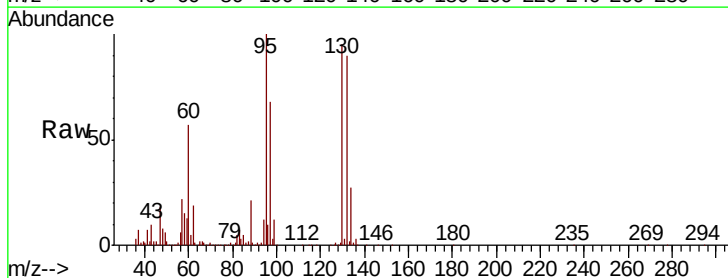
Ion Ratio Lower Upper

88 100

58 135.2 100.2 150.4

43 0.0 205.8 308.6#

57 0.0 879.1 1318.7#

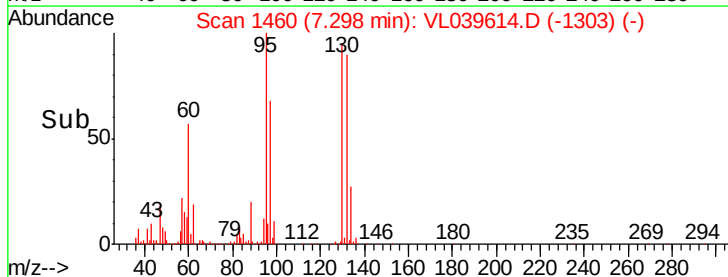
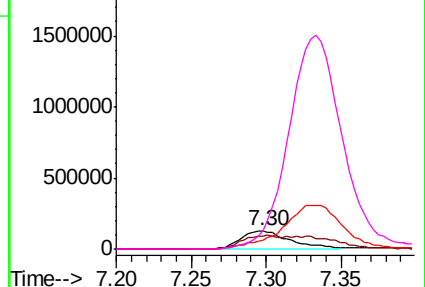


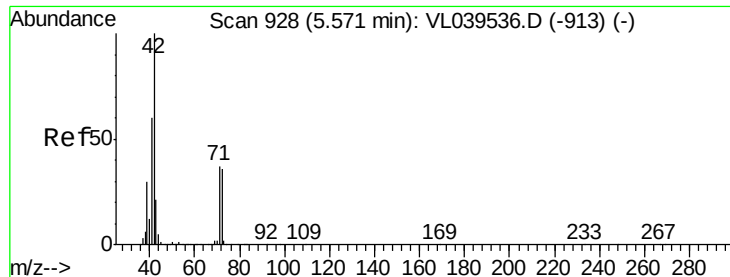
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 11.817 ppbv

RT: 5.57

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Sep 2022 10:44

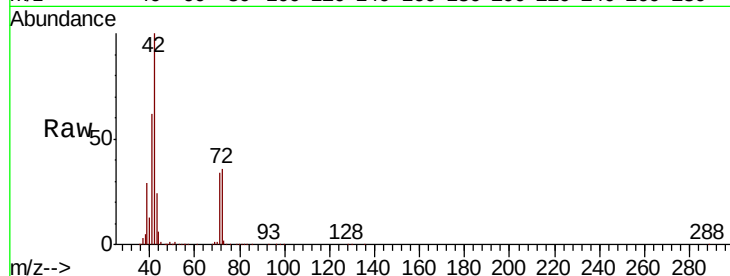
Tot Ion: 42 Resp: 944741

Ion Ratio Lower Upper

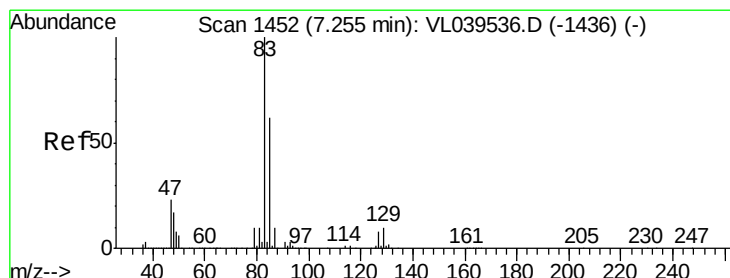
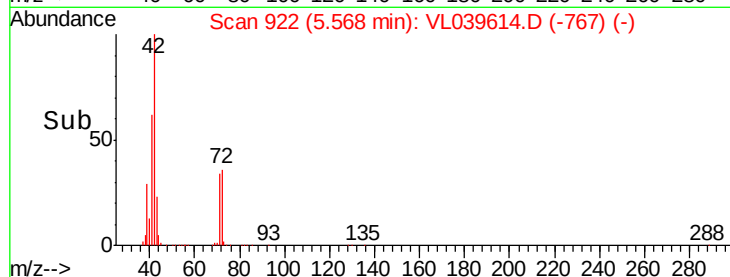
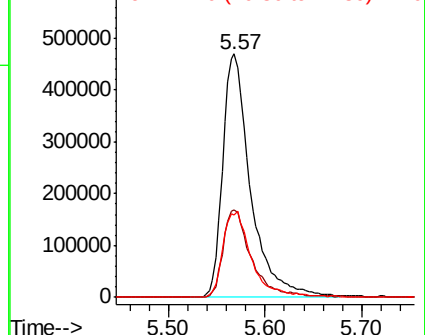
42 100

72 36.8 31.8 47.8

71 36.6 31.8 47.8



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: 11.224 ppbv

RT: 7.25 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VL039614.D

Acq: 7 Sep 2022 10:44

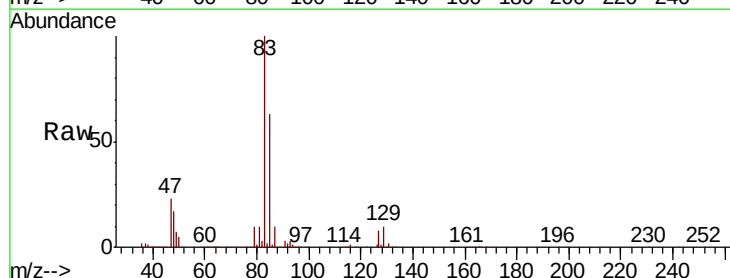
Tgt Ion: 83 Resp: 1736066

Ion Ratio Lower Upper

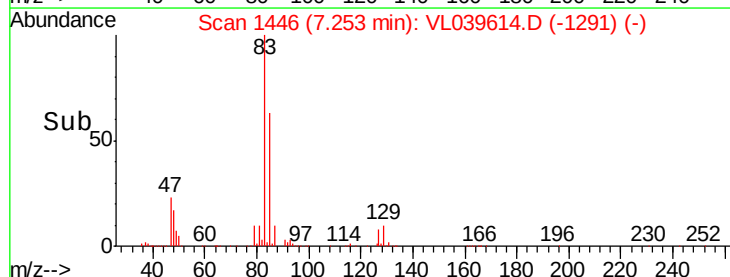
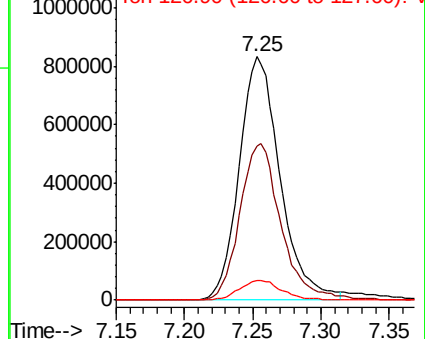
83 100

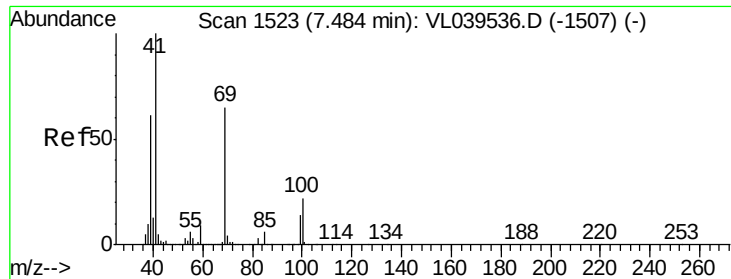
85 63.0 50.7 76.1

127 8.2 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 11.980 ppbv

RT: 7.48 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 7 Sep 2022 10:44

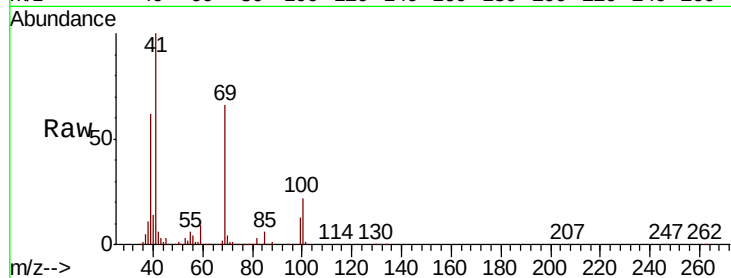
Tot Ion: 69 Resp: 886497

Ion Ratio Lower Upper

69 100

41 153.9 120.8 181.2

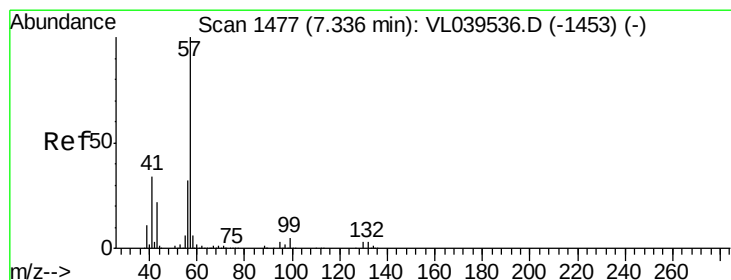
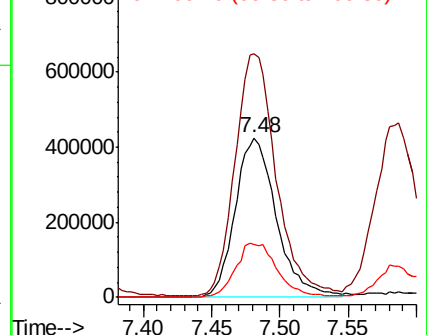
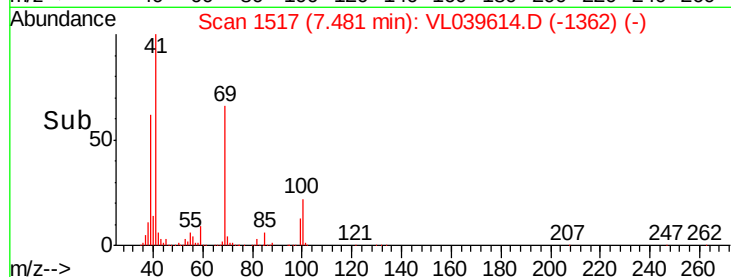
100 34.9 27.8 41.6



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: 10.868 ppbv

RT: 7.33 min Scan# 1471

Delta R.T. -0.00 min

Lab File: VL039614.D

Acq: 7 Sep 2022 10:44

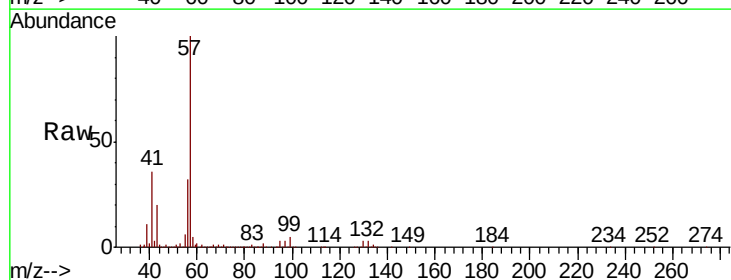
Tgt Ion: 57 Resp: 3759486

Ion Ratio Lower Upper

57 100

41 33.8 27.4 41.2

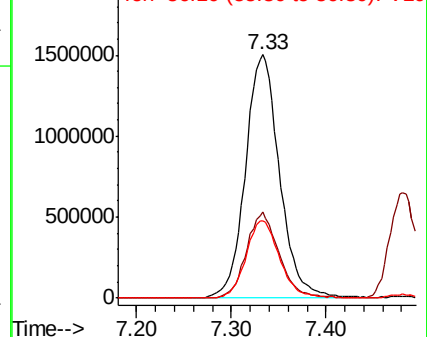
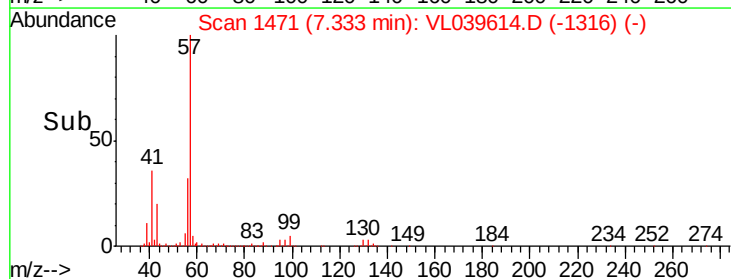
56 31.4 24.5 36.7

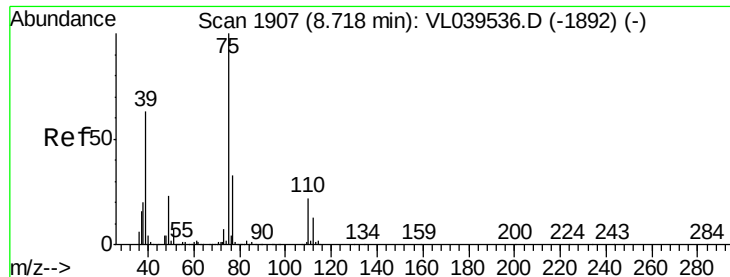


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 13.301 ppbv

RT: 8.72 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VSTDCCC010

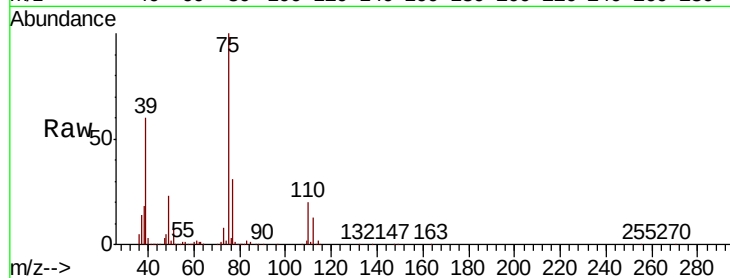
Acq: 7 Sep 2022 10:44

Tot Ion: 75 Resp: 857172

Ion Ratio Lower Upper

75 100

77 30.7 24.6 36.8



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

8.72

400000

300000

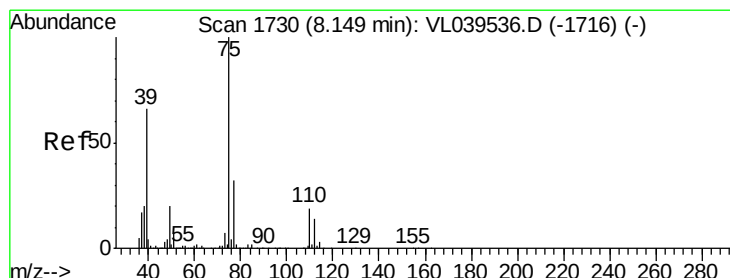
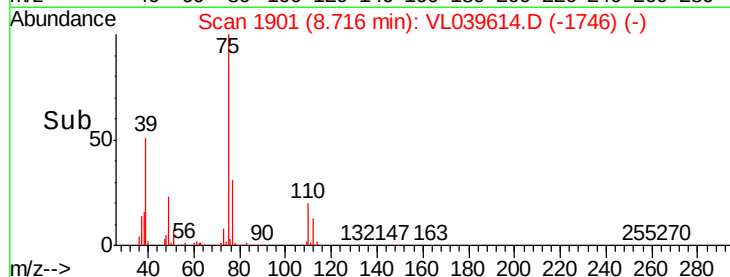
200000

100000

0

8.65 8.70 8.75 8.80

Time-->



#46

cis-1,3-Dichloropropene

Concen: 13.015 ppbv

RT: 8.14 min Scan# 1723

Delta R.T. -0.01 min

Lab File: VL039614.D

Acq: 7 Sep 2022 10:44

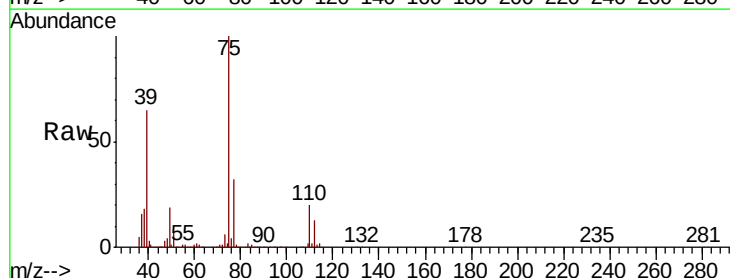
Tgt Ion: 75 Resp: 1161678

Ion Ratio Lower Upper

75 100

39 64.6 55.0 82.4

77 32.1 25.7 38.5



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

8.14

600000

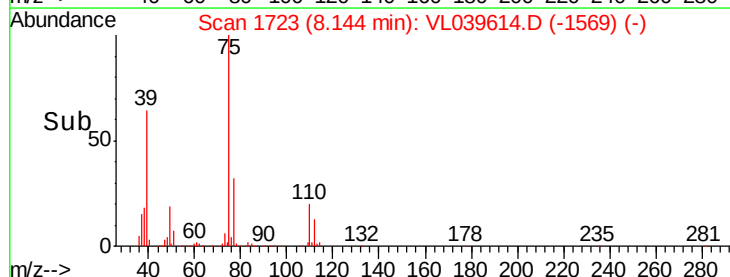
400000

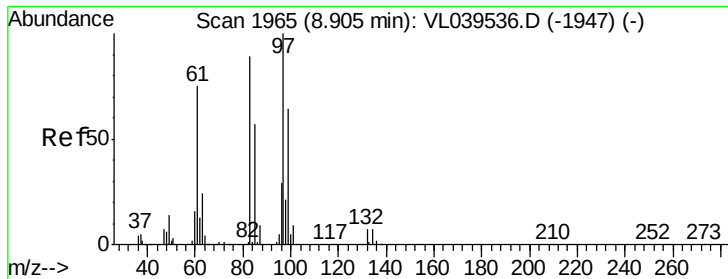
200000

0

8.05 8.10 8.15 8.20

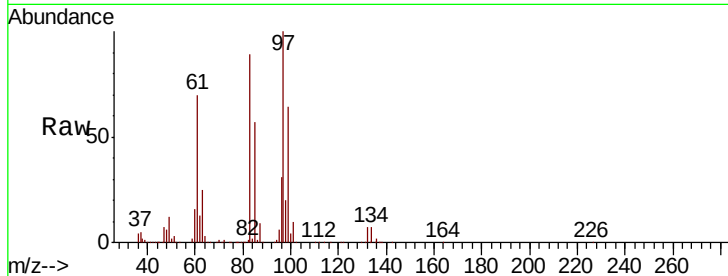
Time-->



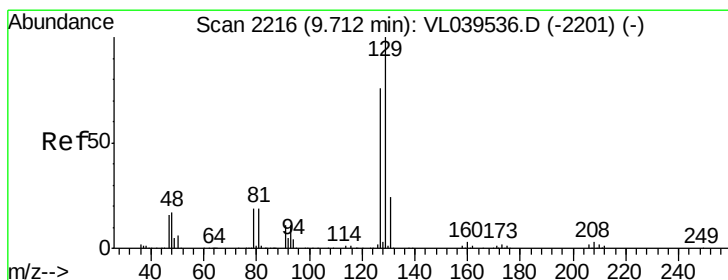
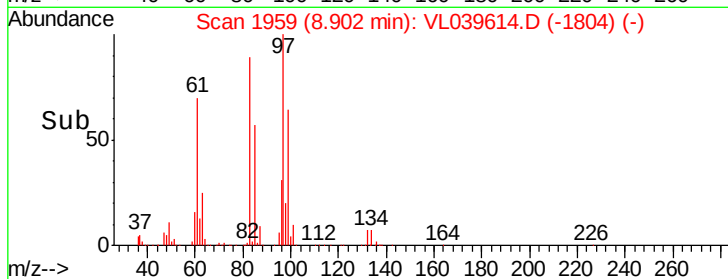
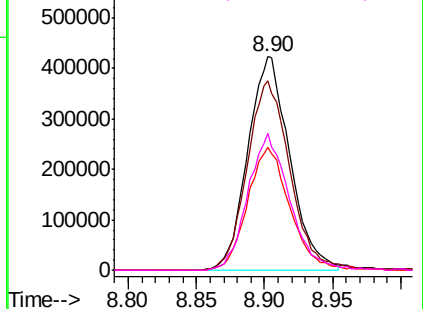


#47
 1,1,2-Trichloroethane
 Concen: 10.256 ppbv
 RT: 8.90
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 7 Sep 2022 10:44

Tot Ion:	97	Resp:	903627
Ion	Ratio	Lower	Upper
97	100		
83	88.7	67.4	101.0
85	57.4	45.1	67.7
99	63.9	48.6	73.0

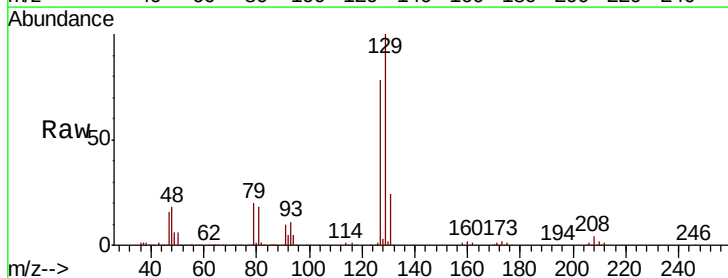


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

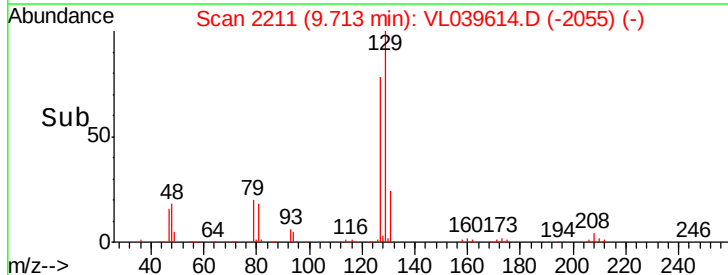
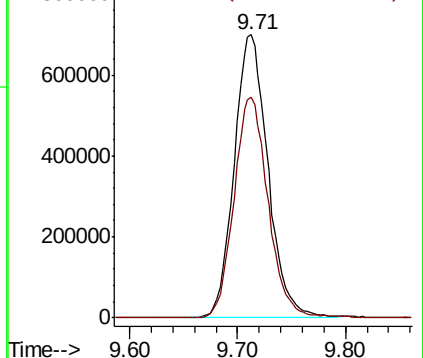


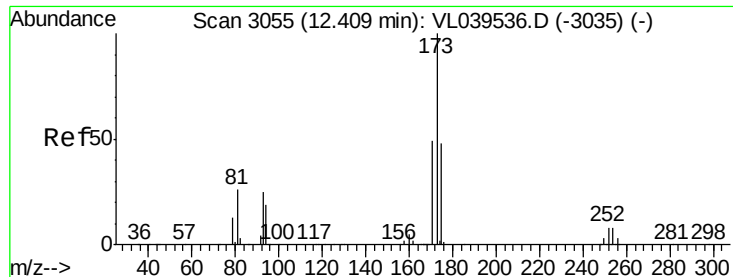
#48
 Dibromochloromethane
 Concen: 11.754 ppbv
 RT: 9.71 min Scan# 2211
 Delta R.T. 0.00 min
 Lab File: VL039614.D
 Acq: 7 Sep 2022 10:44

Tgt Ion:	129	Resp:	1526564
Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.3	117.9



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.796 ppbv

RT: 12.41

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Sep 2022 10:44

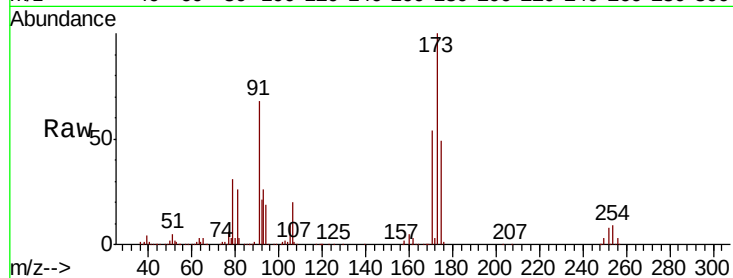
Tot Ion:173 Resp: 1268987

Ion Ratio Lower Upper

173 100

175 50.1 40.3 60.5

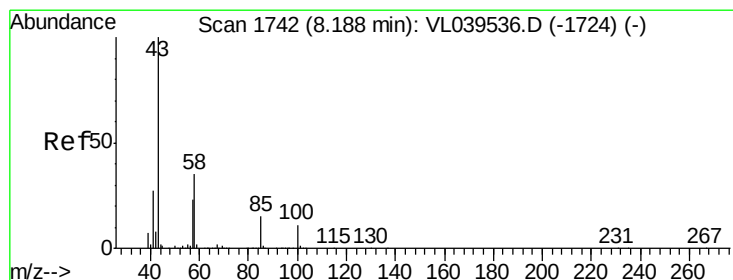
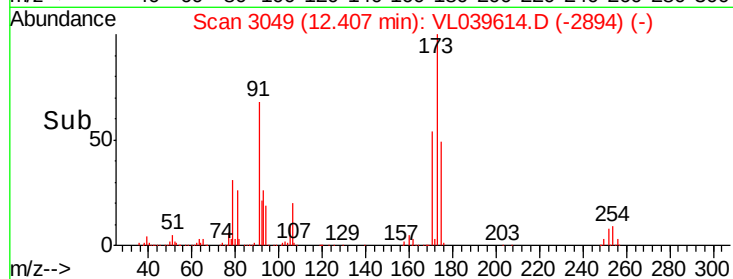
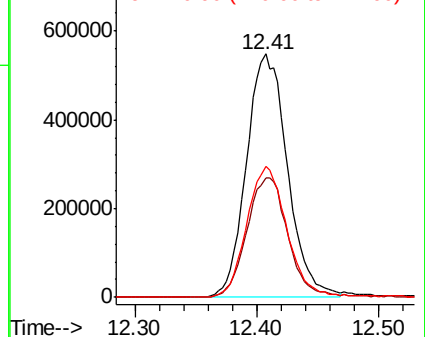
171 53.3 42.9 64.3



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: 11.140 ppbv

RT: 8.19 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VL039614.D

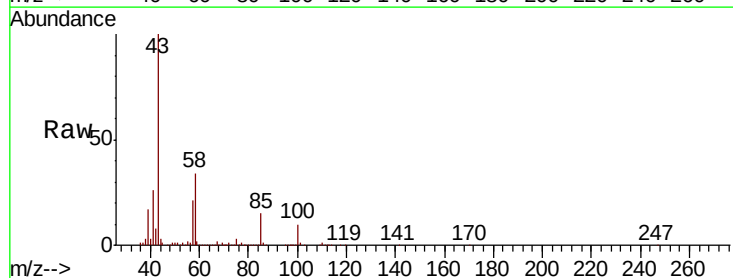
Acq: 7 Sep 2022 10:44

Tgt Ion: 43 Resp: 2322752

Ion Ratio Lower Upper

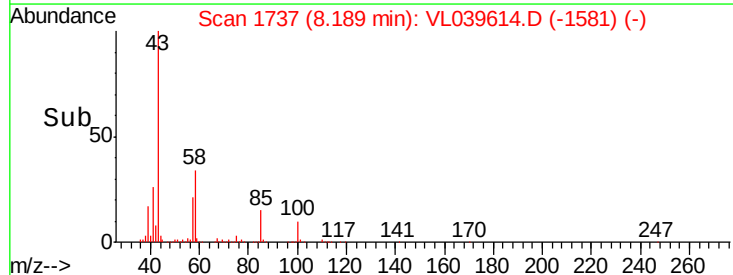
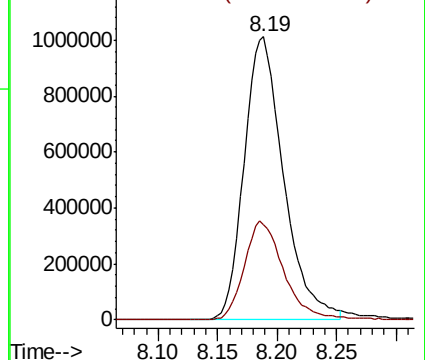
43 100

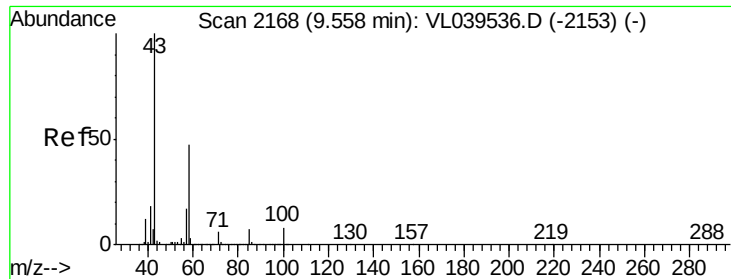
58 35.3 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

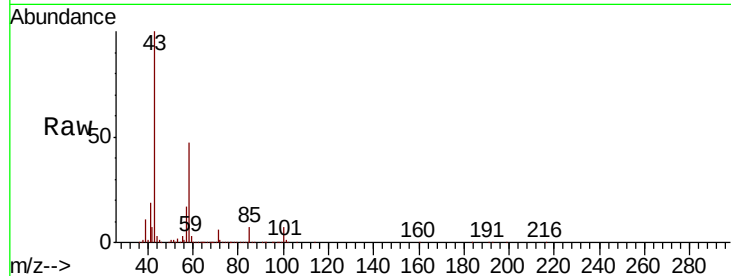
Ion 58.10 (57.80 to 58.80): VL0



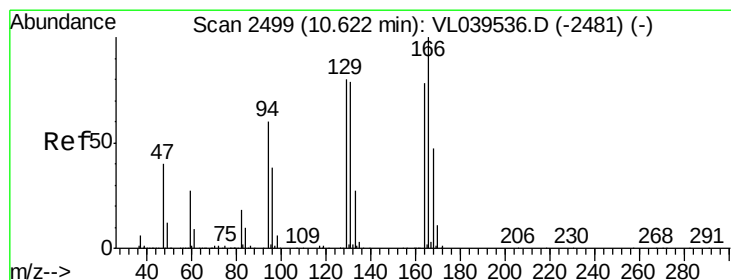
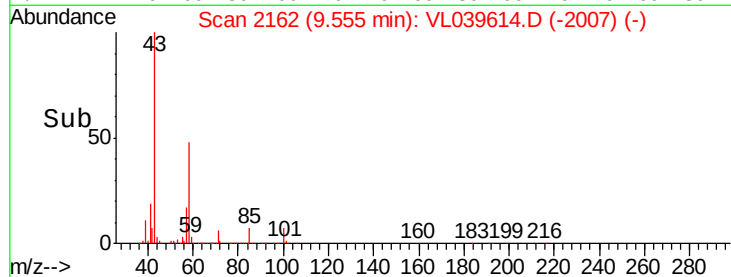
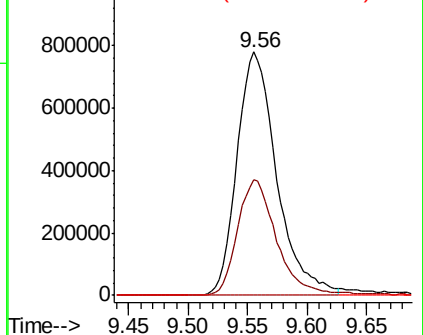


#51
2-Hexanone
Concen: 11.733 ppbv
RT: 9.56
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Sep 2022 10:44

Tot Ion: 43 Resp: 1800556
Ion Ratio Lower Upper
43 100
58 48.1 38.4 57.6
98 0.3 0.3 0.5#

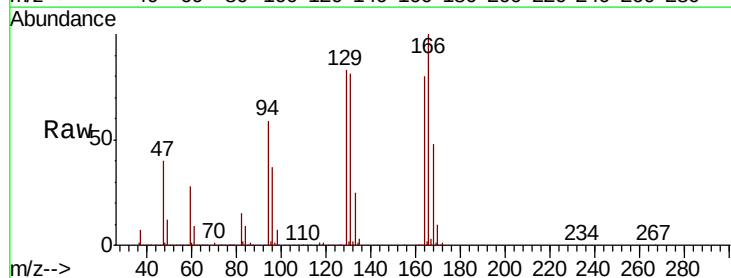


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

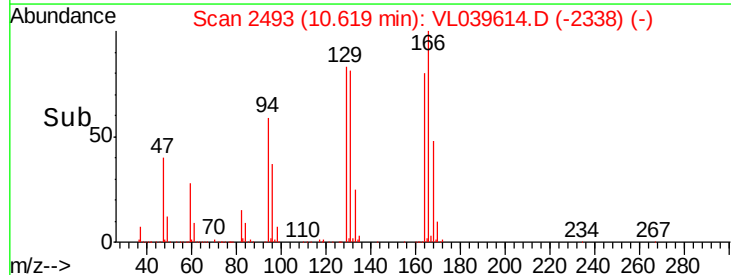
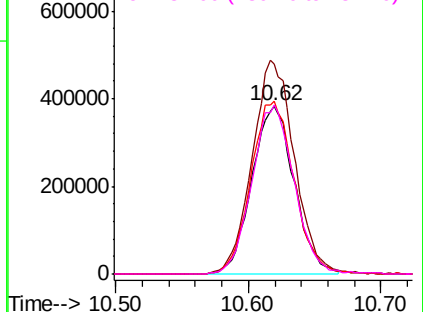


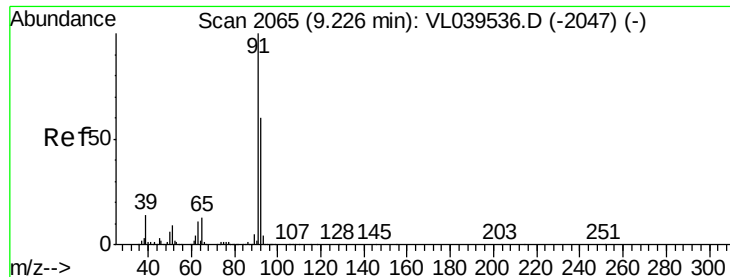
#52
Tetrachloroethene
Concen: 10.950 ppbv
RT: 10.62 min Scan# 2493
Delta R.T. -0.00 min
Lab File: VL039614.D
Acq: 7 Sep 2022 10:44

Tgt Ion:164 Resp: 850068
Ion Ratio Lower Upper
164 100
166 124.5 102.2 153.2
129 102.8 85.8 128.8
131 100.6 83.3 124.9



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





#53

Toluene

Concen: 11.430 ppbv

RT: 9.23 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

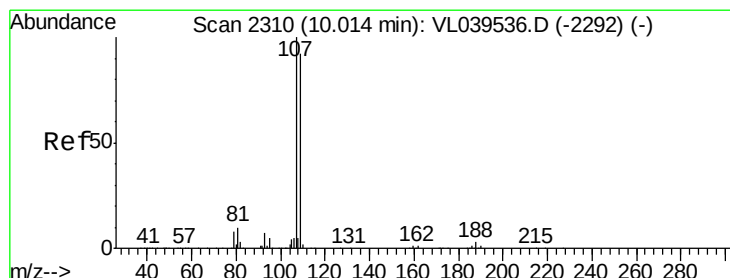
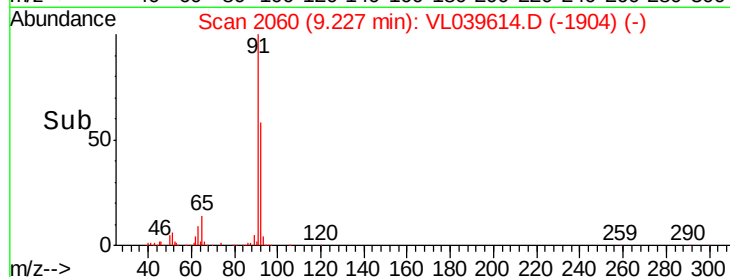
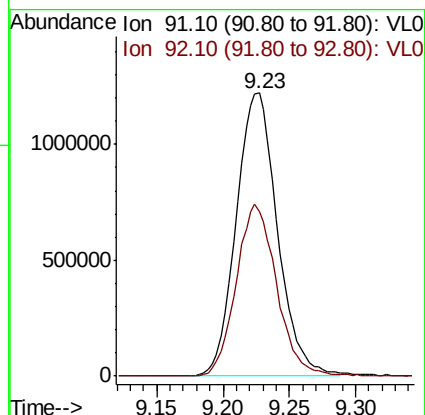
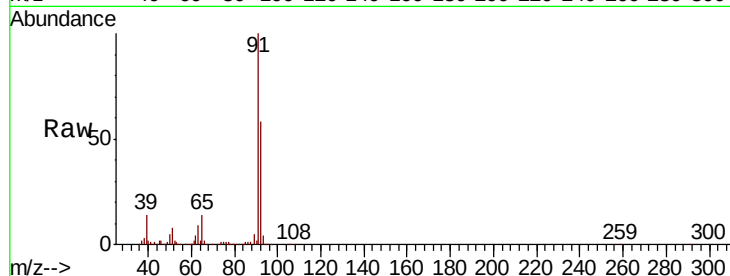
Acq: 7 Sep 2022 10:44 VSTDCCC010

Tot Ion: 91 Resp: 2625079

Ion Ratio Lower Upper

91 100

92 60.3 48.2 72.2



#54

1,2-Dibromoethane

Concen: 11.272 ppbv

RT: 10.01 min Scan# 2303

Delta R.T. -0.01 min

Lab File: VL039614.D

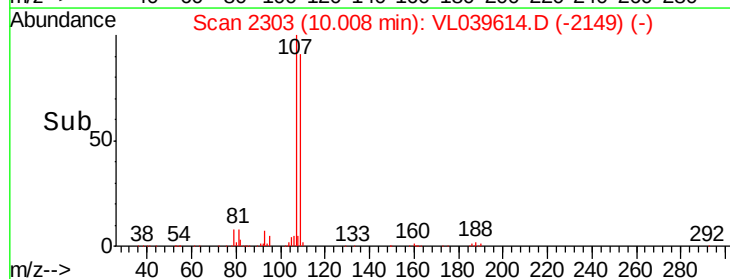
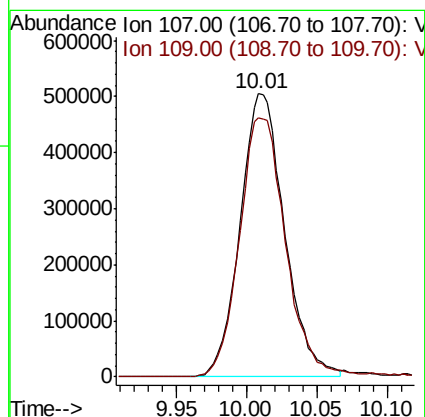
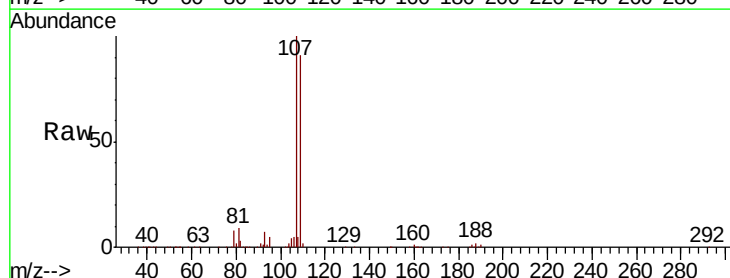
Acq: 7 Sep 2022 10:44

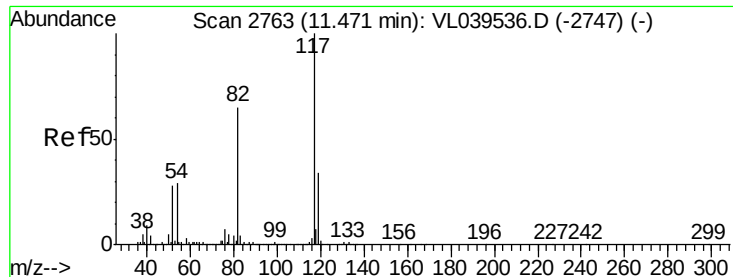
Tgt Ion: 107 Resp: 1110844

Ion Ratio Lower Upper

107 100

109 91.3 74.8 112.2

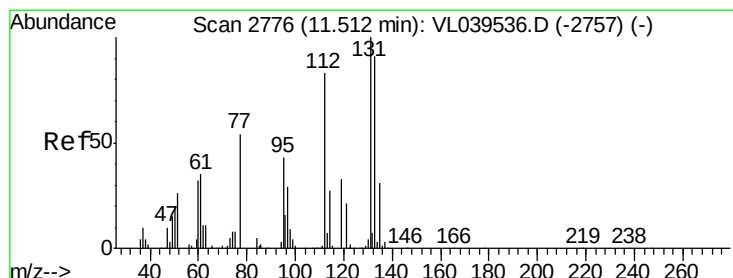
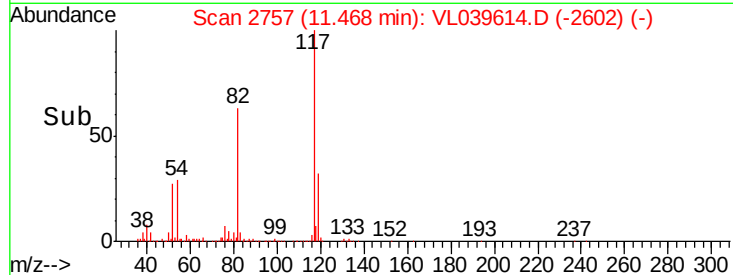
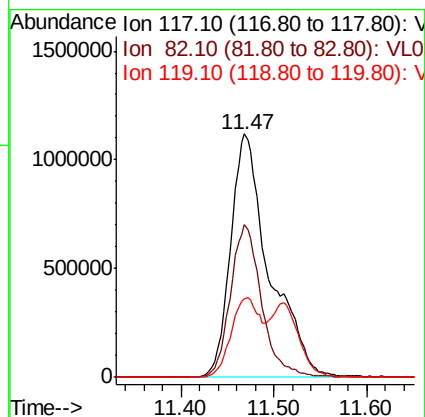
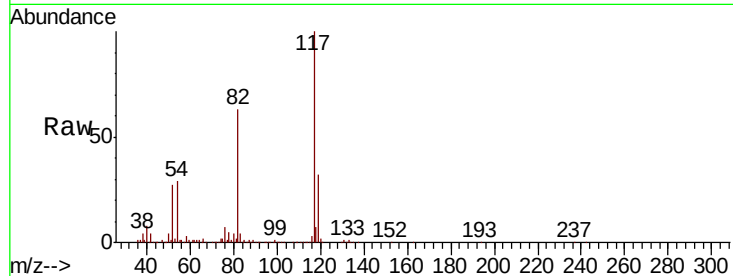




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.47 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010
Acq: 7 Sep 2022 10:44

Tot Ion:117 Resp: 3251620

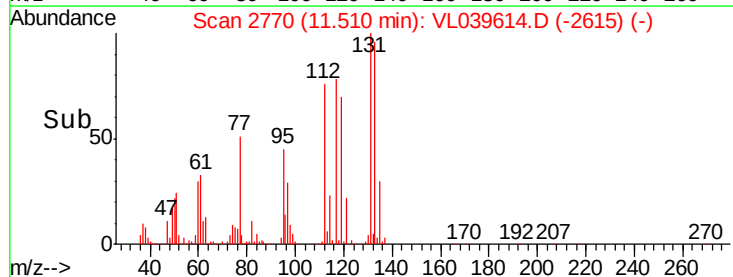
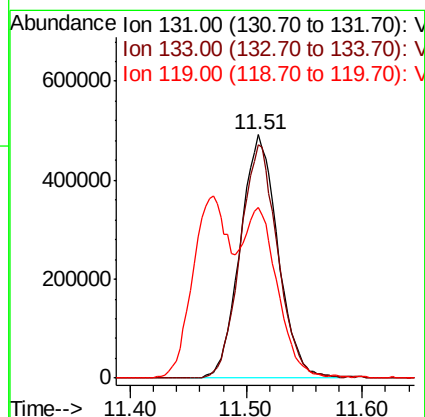
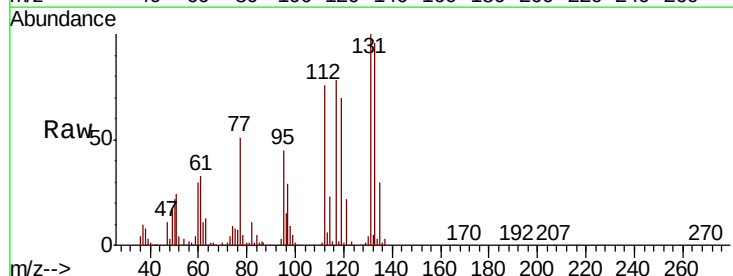
Ion	Ratio	Lower	Upper
117	100		
82	50.7	50.8	76.2#
119	23.7	24.1	36.1#

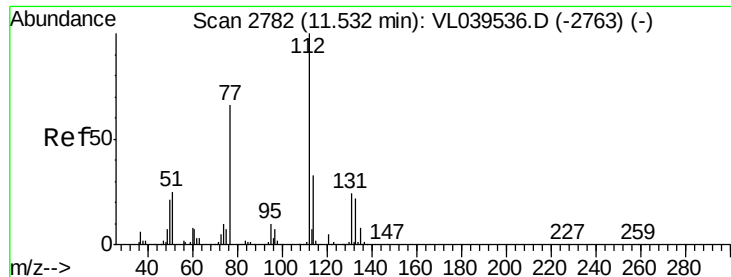


#56
1,1,1,2-Tetrachloroethane
Concen: 8.394 ppbv
RT: 11.51 min Scan# 2770
Delta R.T.: -0.00 min
Lab File: VL039614.D
Acq: 7 Sep 2022 10:44

Tgt Ion:131 Resp: 1109080

Ion	Ratio	Lower	Upper
131	100		
133	96.5	76.8	115.2
119	61.2	46.2	69.4





#57

Chlorobenzene

Concen: 8.235 ppbv

RT: 11.53

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Sep 2022 10:44

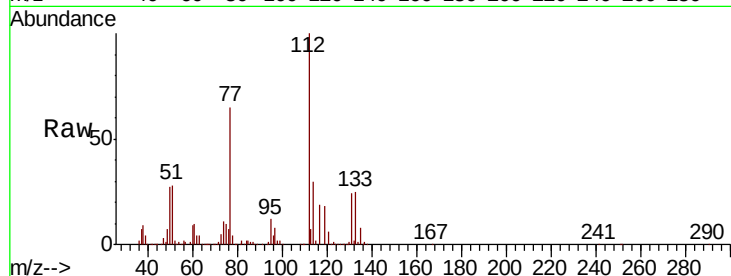
Tot Ion: 112 Resp: 1997720

Ion Ratio Lower Upper

112 100

77 64.6 51.0 76.4

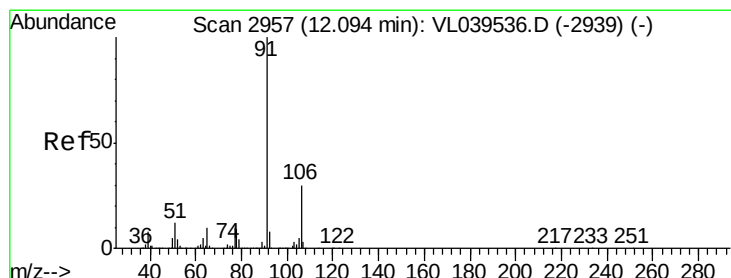
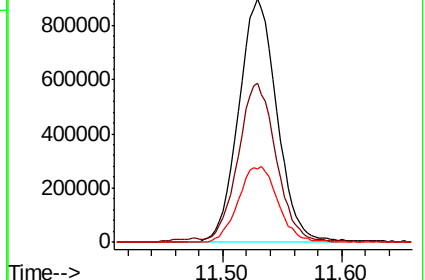
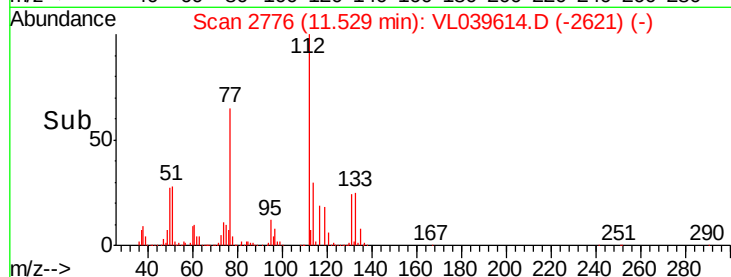
114 30.0 27.5 33.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.229 ppbv

RT: 12.09 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VL039614.D

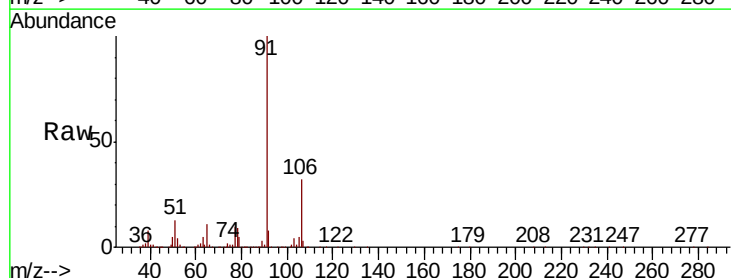
Acq: 7 Sep 2022 10:44

Tgt Ion: 91 Resp: 3447940

Ion Ratio Lower Upper

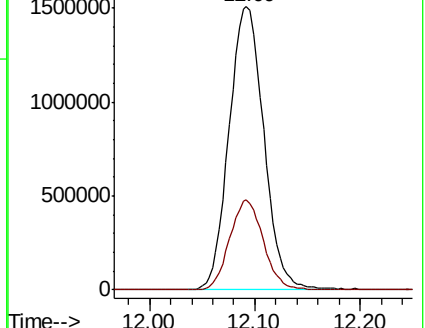
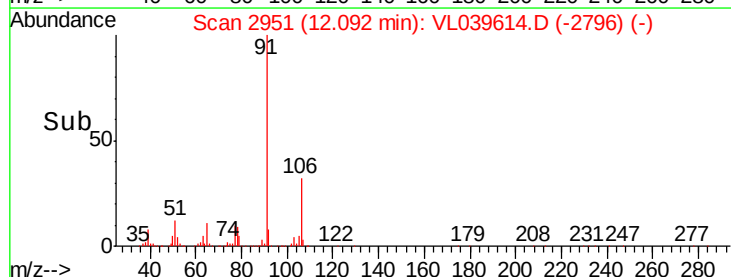
91 100

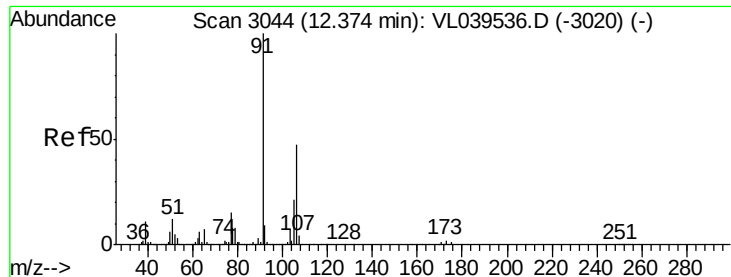
106 31.8 25.4 38.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 9.646 ppbv

RT: 12.37

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

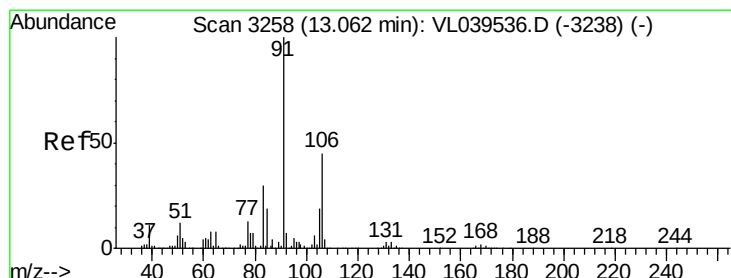
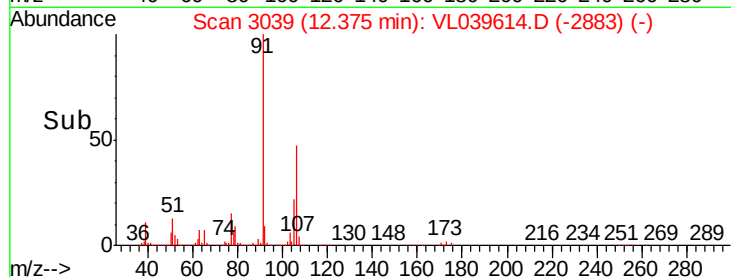
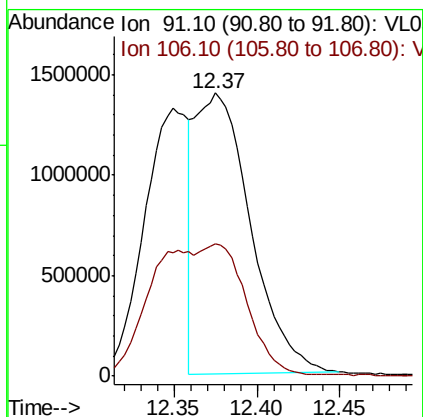
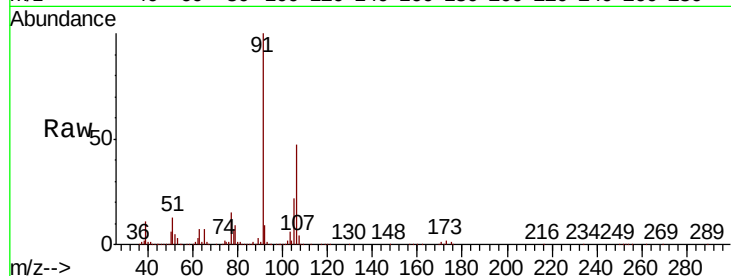
Acq: 7 Sep 2022 10:44

Tot Ion: 91 Resp: 3232996

Ion Ratio Lower Upper

91 100

106 80.9 35.4 53.2#



#60

o-Xylene

Concen: 8.581 ppbv

RT: 13.06 min Scan# 3253

Delta R.T. 0.00 min

Lab File: VL039614.D

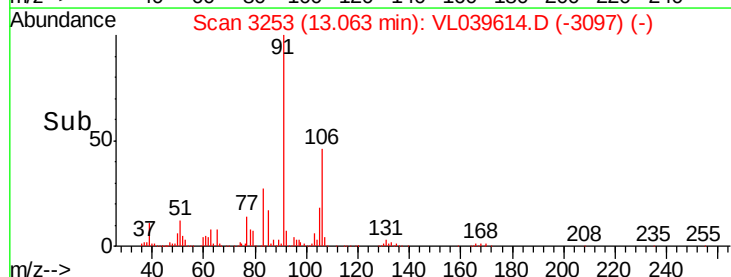
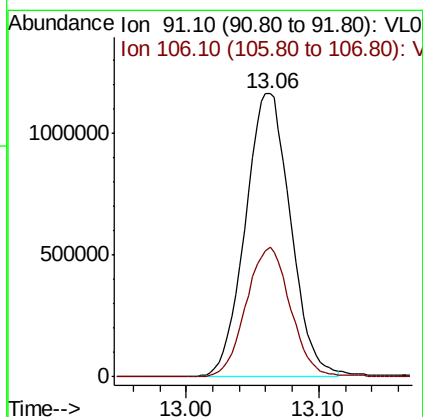
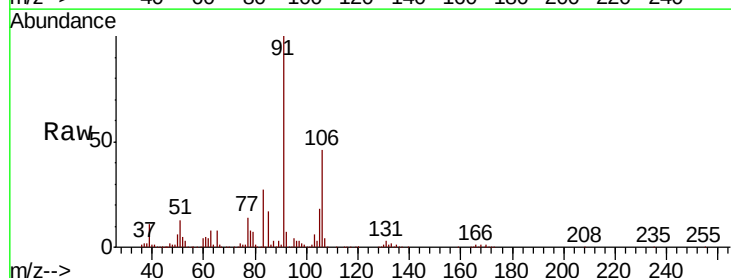
Acq: 7 Sep 2022 10:44

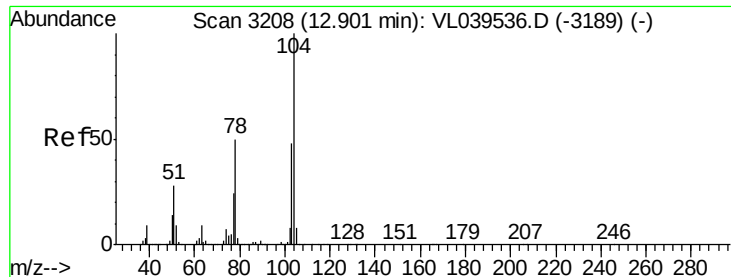
Tgt Ion: 91 Resp: 2760542

Ion Ratio Lower Upper

91 100

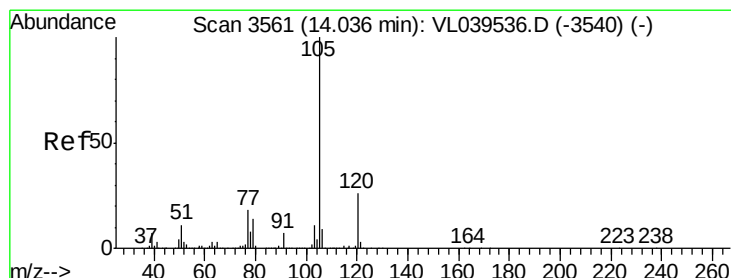
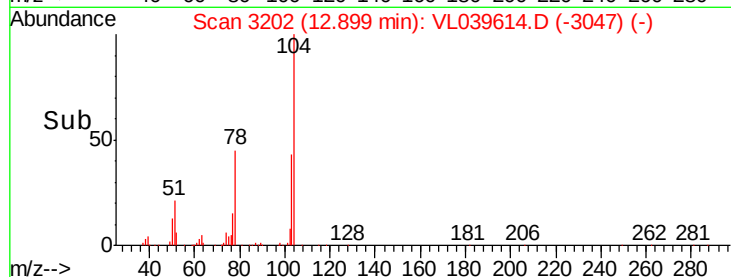
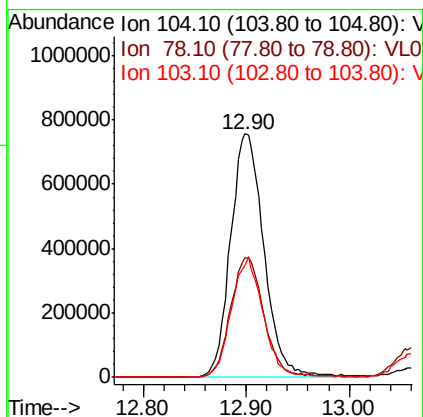
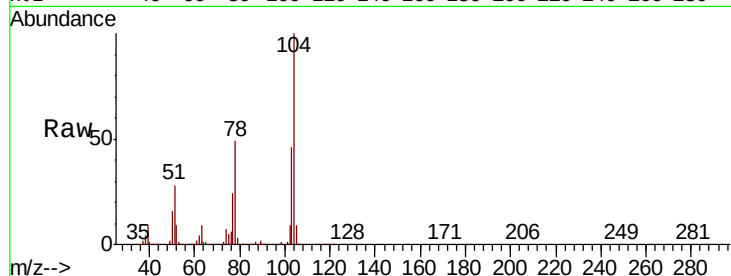
106 45.5 22.4 67.3





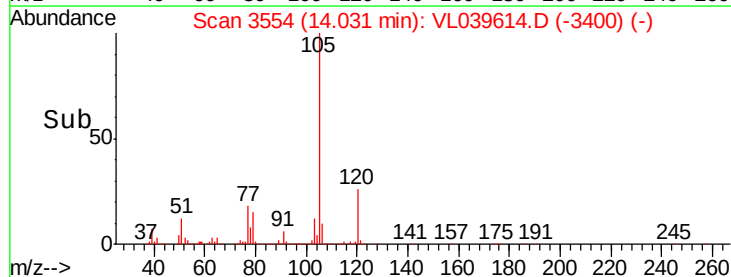
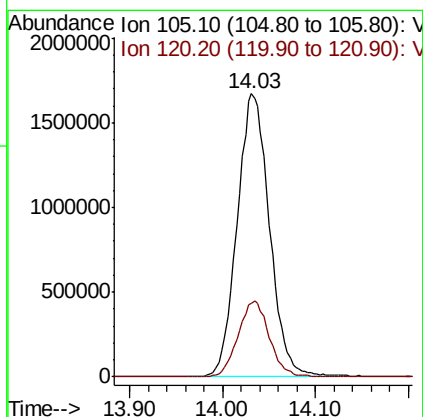
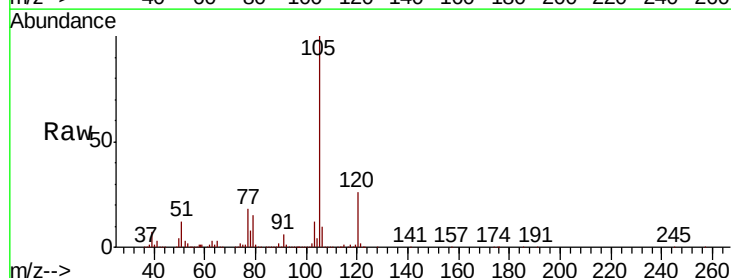
#61
Stvrene
Concen: 9.979 ppbv
RT: 12.90 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010
Acq: 7 Sep 2022 10:44

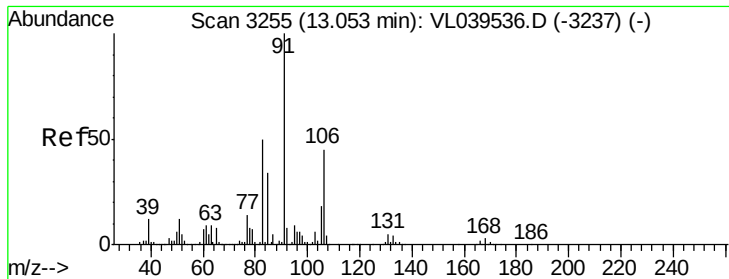
Tot Ion:104 Resp: 1709921
Ion Ratio Lower Upper
104 100
78 49.4 41.2 61.8
103 47.3 38.7 58.1



#62
Isopropylbenzene
Concen: 8.290 ppbv
RT: 14.03 min Scan# 3554
Delta R.T. -0.01 min
Lab File: VL039614.D
Acq: 7 Sep 2022 10:44

Tgt Ion:105 Resp: 4033154
Ion Ratio Lower Upper
105 100
120 26.2 20.7 31.1





#63

1,1,2,2-Tetrachloroethane

Concen: 7.299 ppbv

RT: 13.05

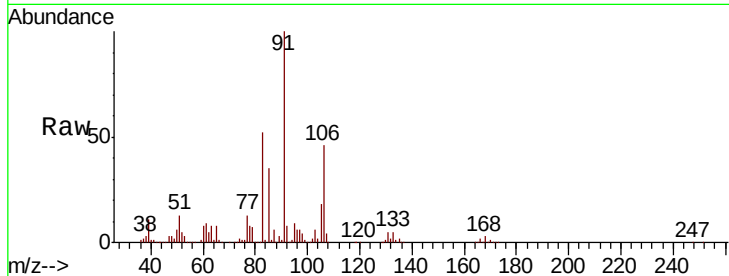
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Sep 2022 10:44

Tot Ion: 83 Resp: 1112006

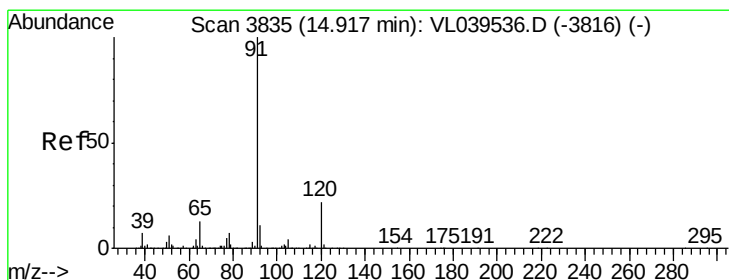
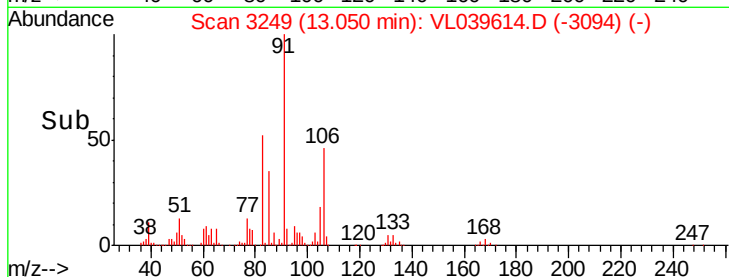
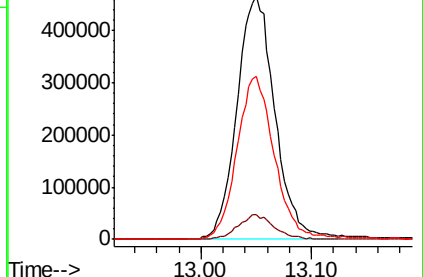
Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.3	15.8
85	66.9	33.1	99.5



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: 8.253 ppbv

RT: 14.92 min Scan# 3830

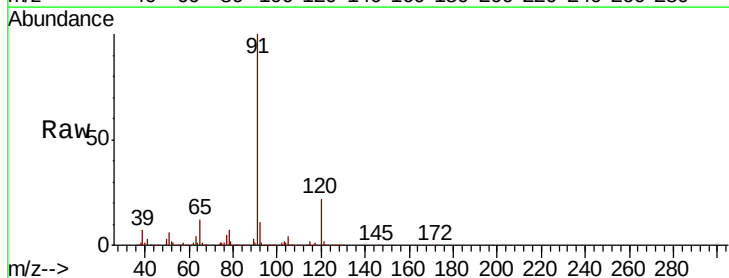
Delta R.T. 0.00 min

Lab File: VL039614.D

Acq: 7 Sep 2022 10:44

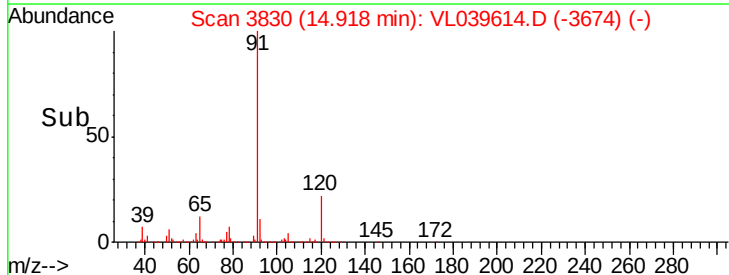
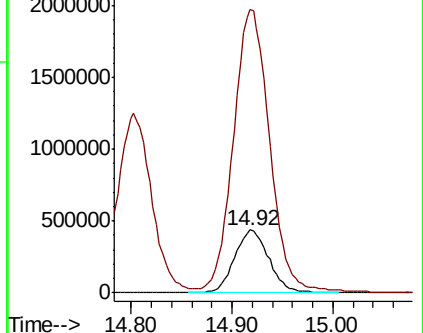
Tgt Ion:120 Resp: 1043538

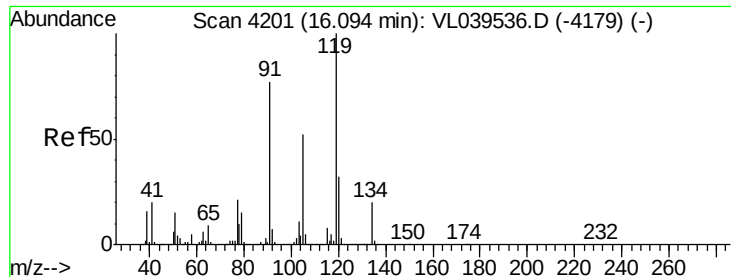
Ion	Ratio	Lower	Upper
120	100		
91	473.1	367.2	550.8



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

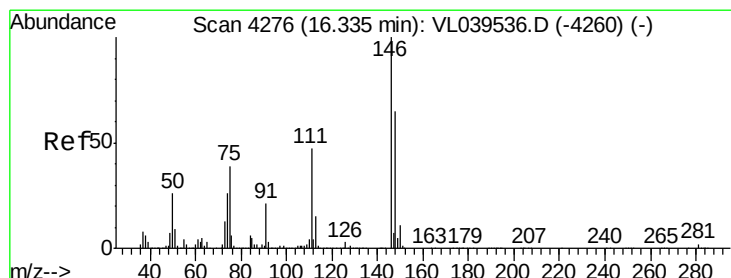
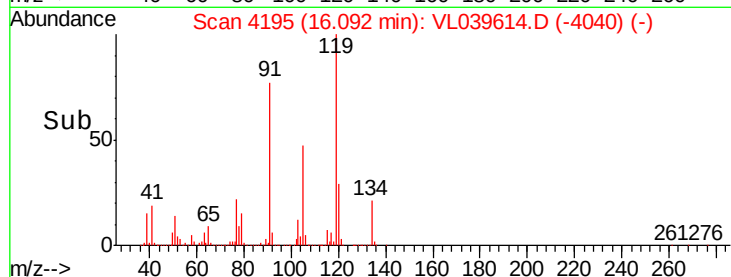
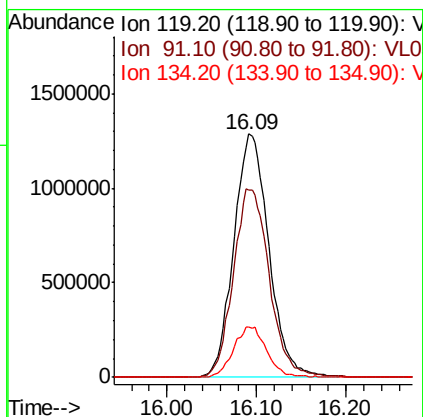
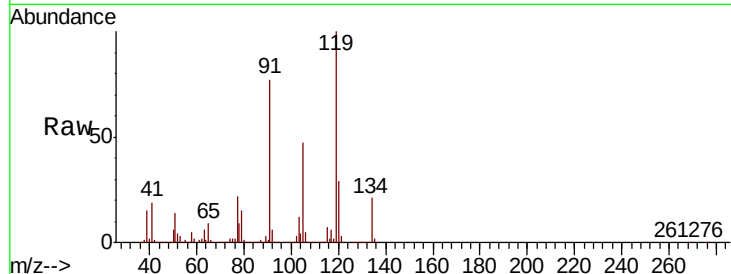




#65
 tert-Butylbenzene
 Concen: 8.128 ppbv
 RT: 16.09 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 7 Sep 2022 10:44

Tot Ion: 119 Resp: 3514902

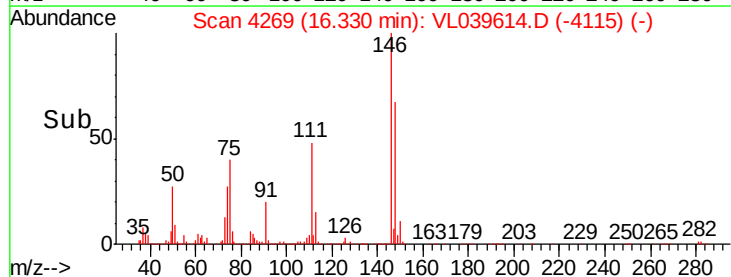
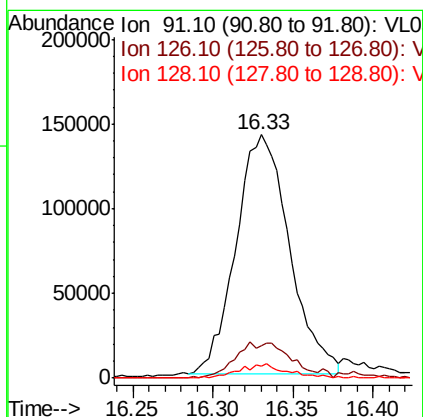
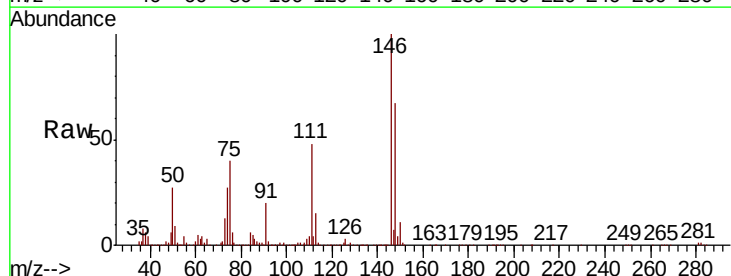
Ion	Ratio	Lower	Upper
119	100		
91	79.5	63.4	95.2
134	19.6	15.9	23.9

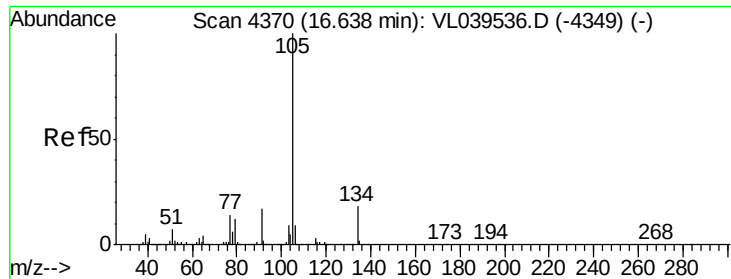


#66
 Benzyl Chloride
 Concen: 9.247 ppbv
 RT: 16.33 min Scan# 4269
 Delta R.T. -0.01 min
 Lab File: VL039614.D
 Acq: 7 Sep 2022 10:44

Tgt Ion: 91 Resp: 324829

Ion	Ratio	Lower	Upper
91	100		
126	17.4	13.1	19.7
128	5.4	4.4	6.6





#67

sec-Butylbenzene

Concen: 8.061 ppbv

RT: 16.64

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

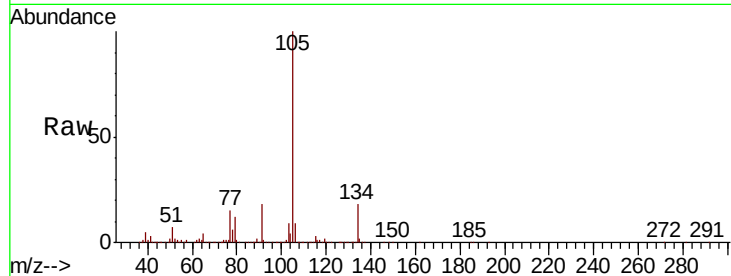
Acq: 7 Sep 2022 10:44

Tot Ion: 105 Resp: 4937225

Ion Ratio Lower Upper

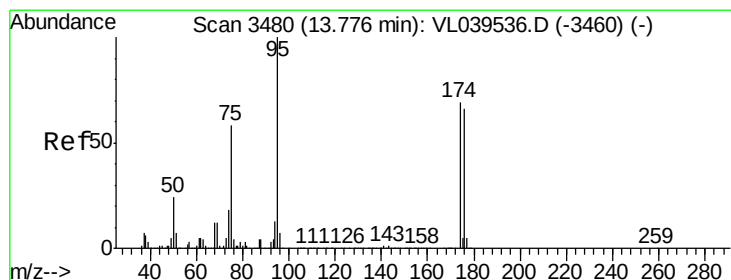
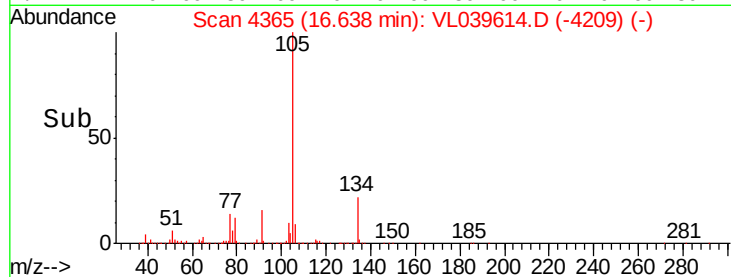
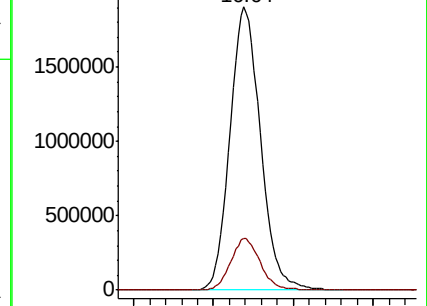
105 100

134 17.8 14.8 22.2



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: 8.064 ppbv

RT: 13.78 min Scan# 3475

Delta R.T. 0.00 min

Lab File: VL039614.D

Acq: 7 Sep 2022 10:44

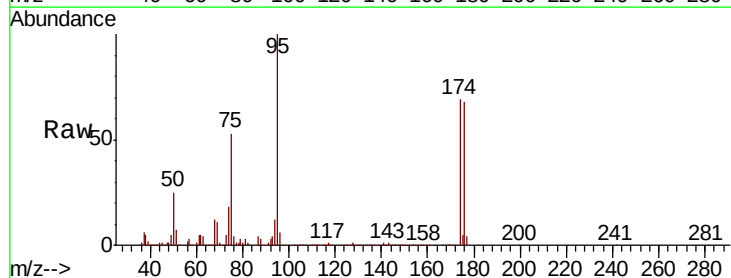
Tgt Ion: 95 Resp: 1978291

Ion Ratio Lower Upper

95 100

174 70.9 55.9 83.9

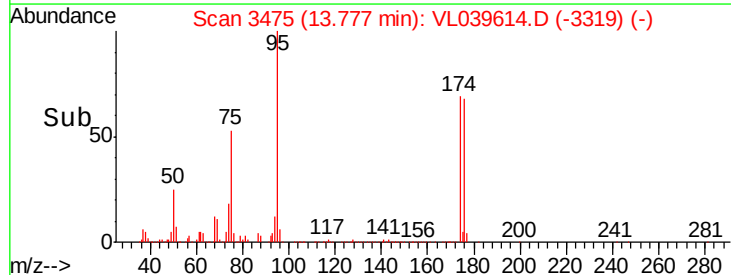
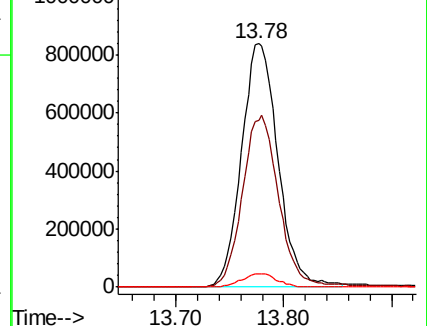
175 5.4 4.2 6.4

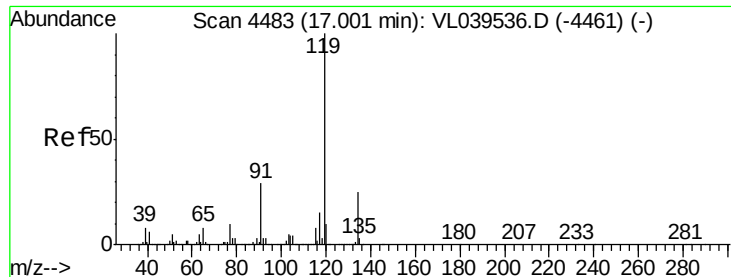


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

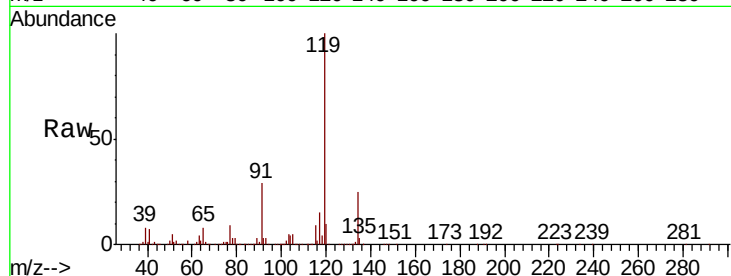
Ion 175.00 (174.70 to 175.70): V



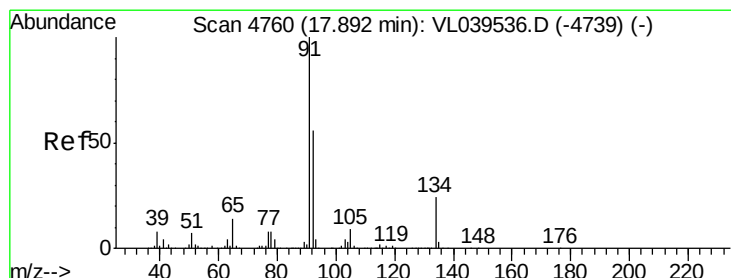
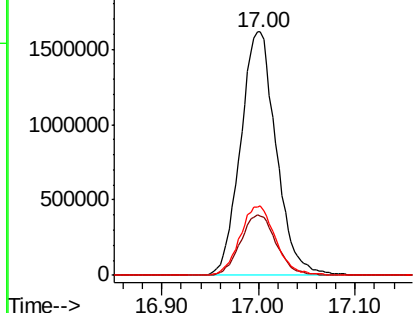
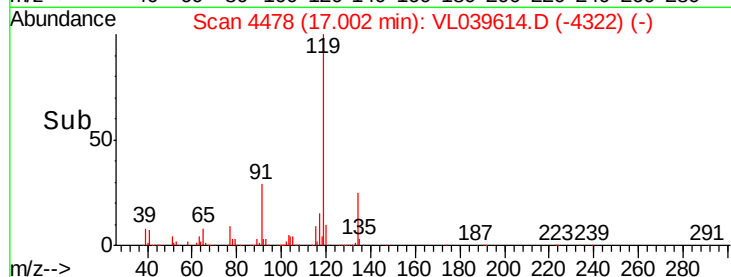


#69
 p-Isopropyltoluene
 Concen: 8.106 ppbv
 RT: 17.00 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VSTDCCC010
 Acq: 7 Sep 2022 10:44

Tot Ion:119	Resp: 4121270		
Ion Ratio	Lower	Upper	
119 100			
134 25.1	20.3	30.5	
91 28.4	22.9	34.3	

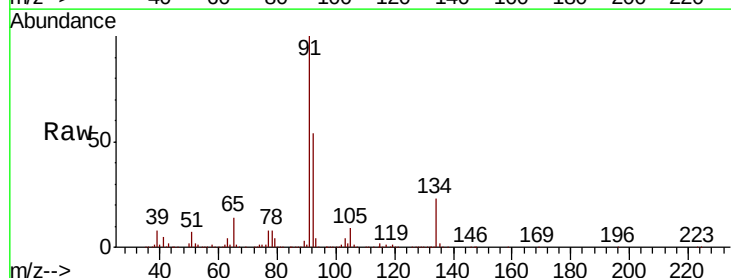


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

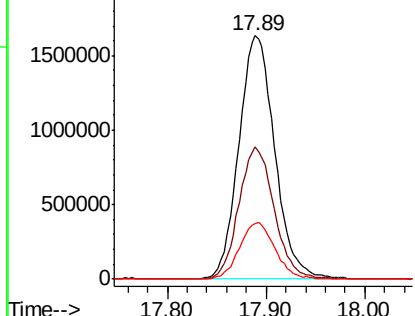
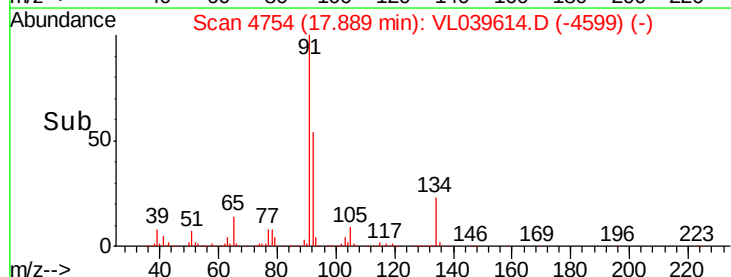


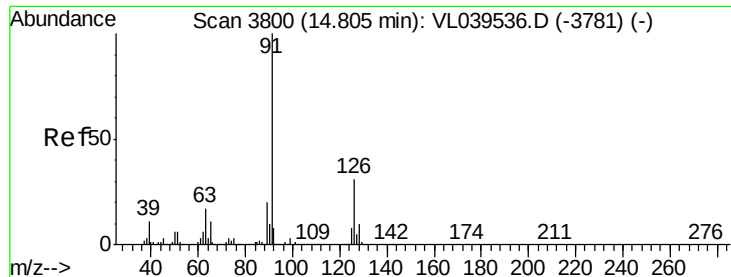
#70
 n-Butylbenzene
 Concen: 8.122 ppbv
 RT: 17.89 min Scan# 4754
 Delta R.T. -0.00 min
 Lab File: VL039614.D
 Acq: 7 Sep 2022 10:44

Tgt	Ion: 91	Resp: 4108353	
Ion	Ratio	Lower	Upper
91	100		
92	53.7	43.4	65.2
134	23.2	18.9	28.3



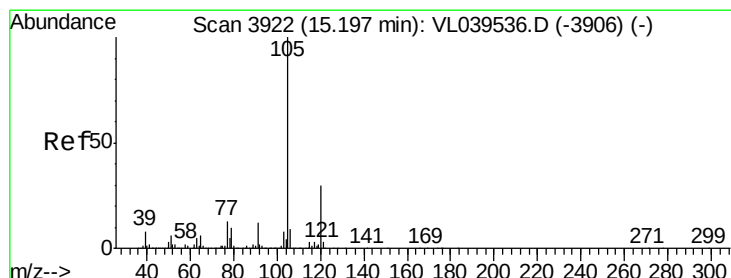
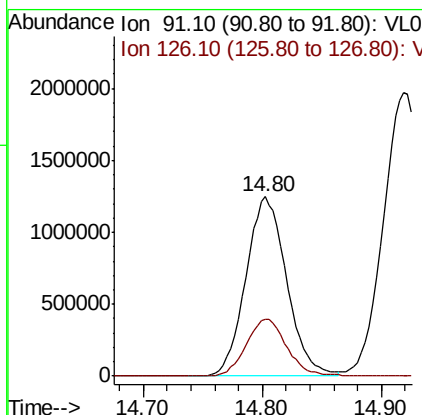
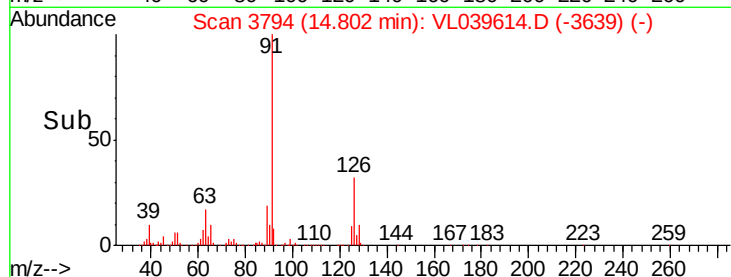
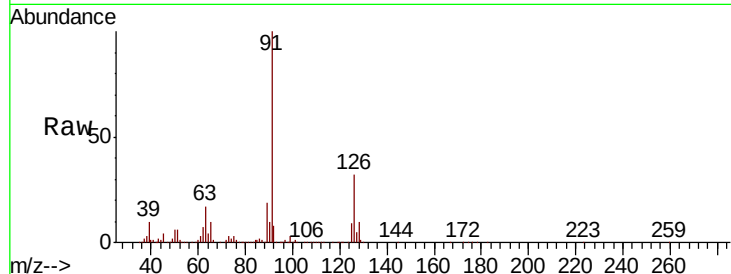
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





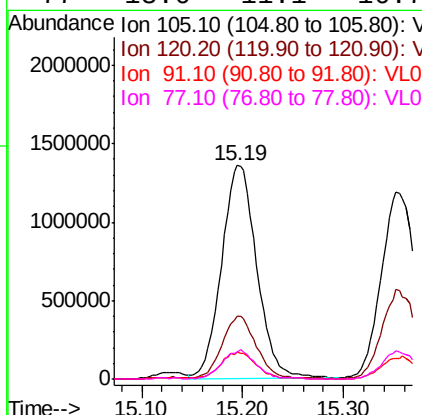
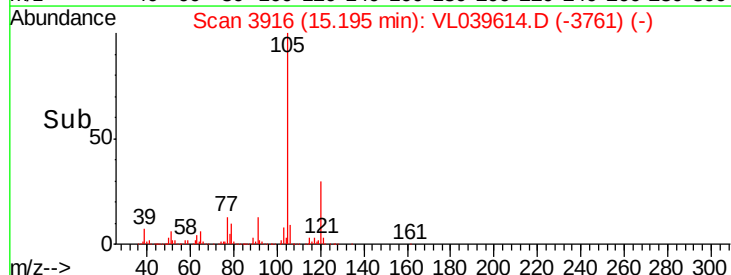
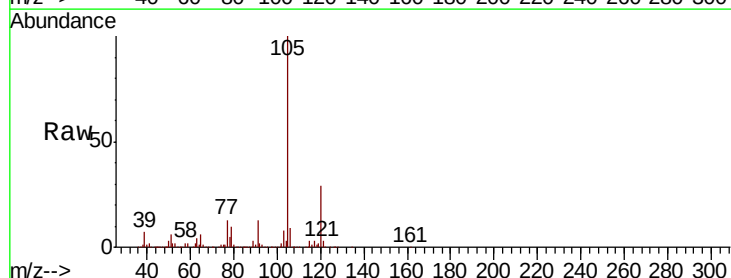
#71
 2-Chlorotoluene
 Concen: 8.396 ppbv
 RT: 14.80 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 7 Sep 2022 10:44

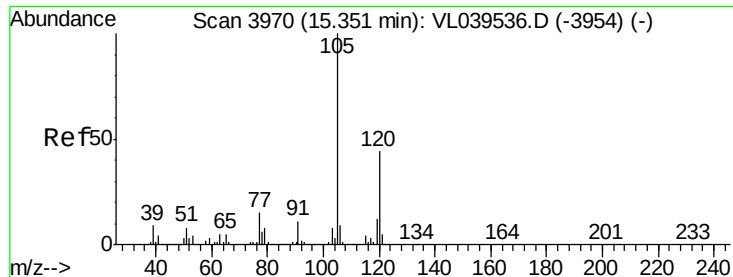
Tot Ion: 91 Resp: 2958524
 Ion Ratio Lower Upper
 91 100
 126 32.1 13.0 51.8



#72
 4-Ethyltoluene
 Concen: 8.816 ppbv
 RT: 15.19 min Scan# 3916
 Delta R.T. -0.00 min
 Lab File: VL039614.D
 Acq: 7 Sep 2022 10:44

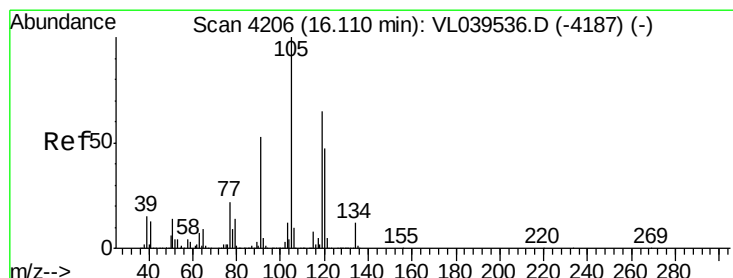
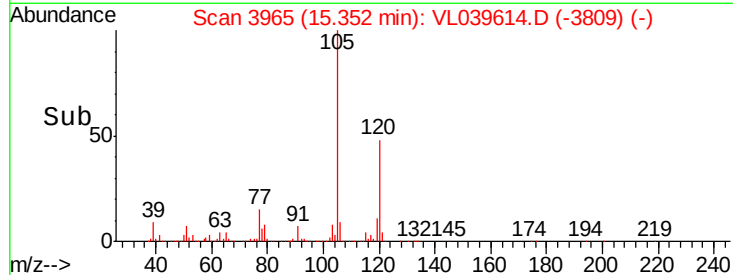
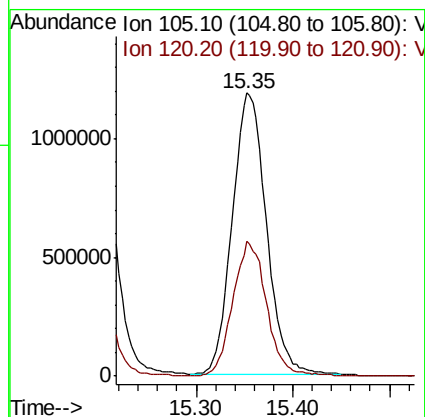
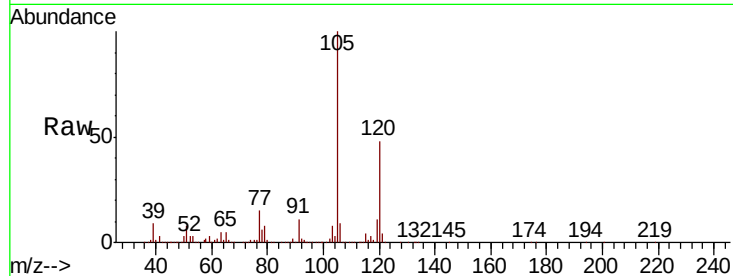
Tgt Ion:105 Resp: 3316499
 Ion Ratio Lower Upper
 105 100
 120 29.0 24.2 36.2
 91 12.3 10.2 15.4
 77 13.6 11.1 16.7





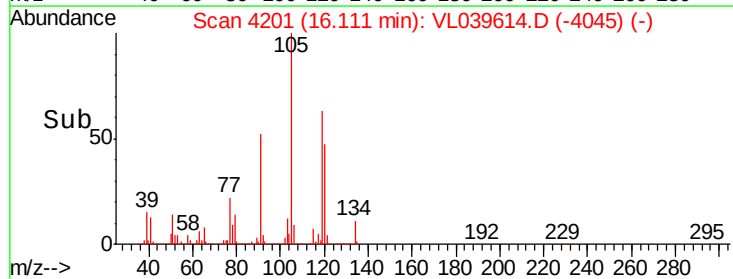
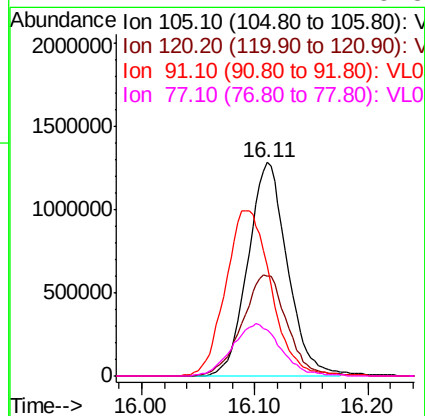
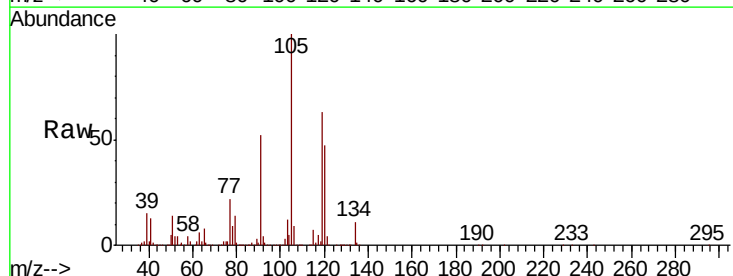
#73
 1,3,5-Trimethylbenzene
 Concen: 8.466 ppbv
 RT: 15.35 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 7 Sep 2022 10:44

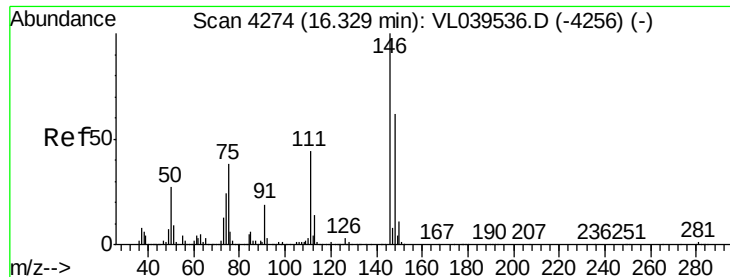
Tot Ion:105 Resp: 2910231
 Ion Ratio Lower Upper
 105 100
 120 47.7 38.2 57.4



#74
 1,2,4-Trimethylbenzene
 Concen: 8.083 ppbv
 RT: 16.11 min Scan# 4201
 Delta R.T. 0.00 min
 Lab File: VL039614.D
 Acq: 7 Sep 2022 10:44

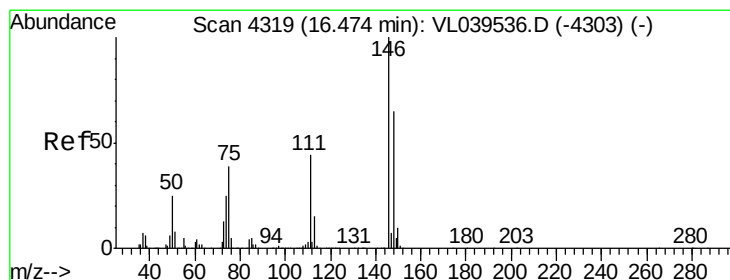
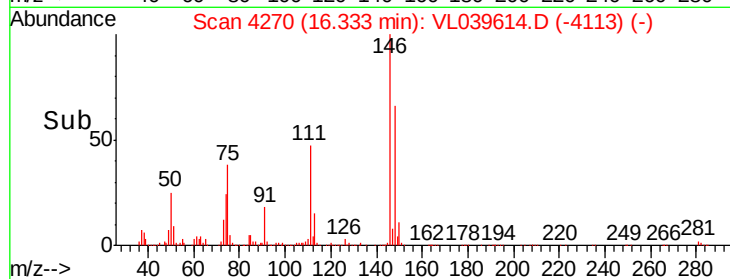
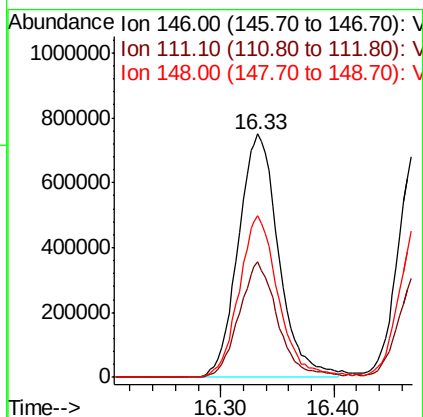
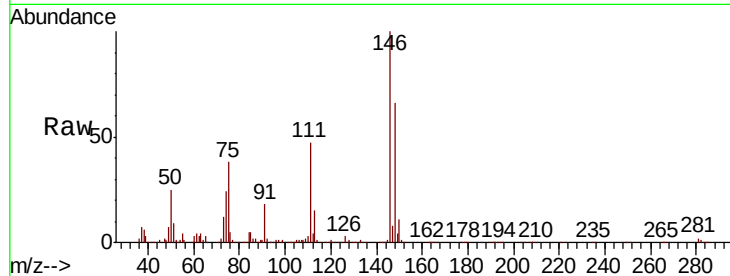
Tgt Ion:105 Resp: 3096155
 Ion Ratio Lower Upper
 105 100
 120 46.4 39.5 59.3
 91 50.8 39.2 58.8
 77 21.4 17.2 25.8





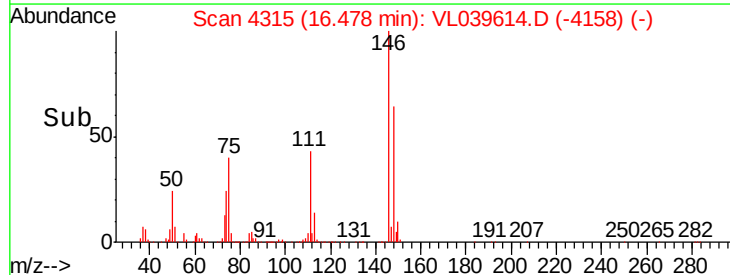
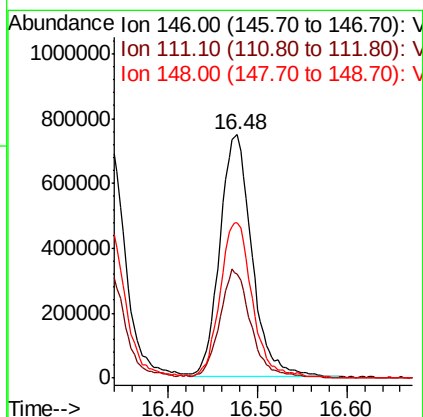
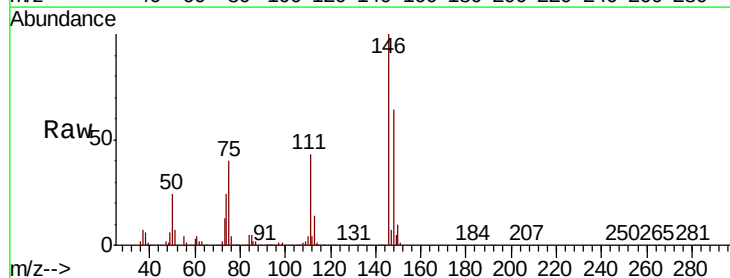
#75
 1,3-Dichlorobenzene
 Concen: 7.978 ppbv
 RT: 16.33
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 7 Sep 2022 10:44

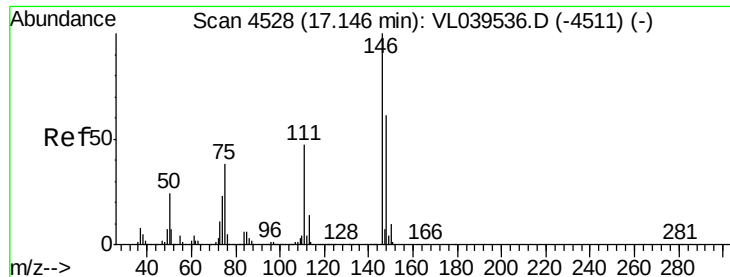
Tot Ion:146 Resp: 1857863
 Ion Ratio Lower Upper
 146 100
 111 45.8 22.9 68.7
 148 64.6 32.1 96.5



#76
 1,4-Dichlorobenzene
 Concen: 7.998 ppbv
 RT: 16.48 min Scan# 4315
 Delta R.T. 0.00 min
 Lab File: VL039614.D
 Acq: 7 Sep 2022 10:44

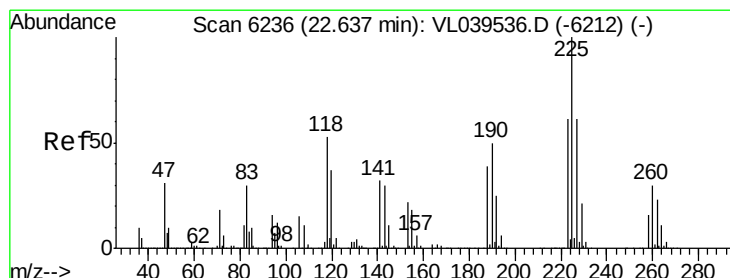
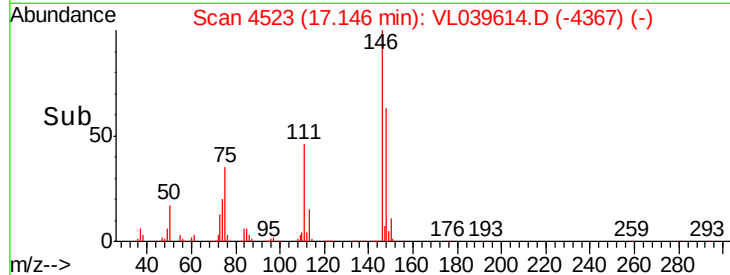
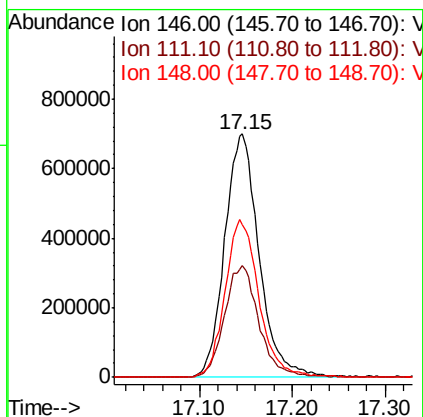
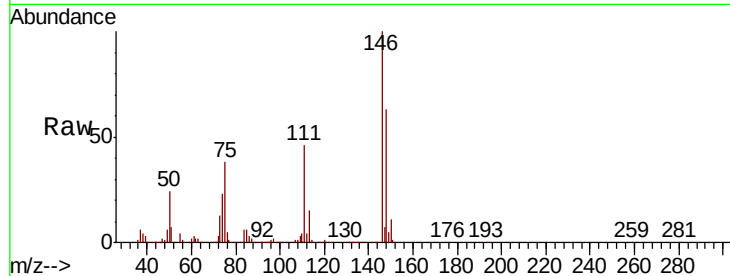
Tgt Ion:146 Resp: 1855855
 Ion Ratio Lower Upper
 146 100
 111 43.8 22.9 68.8
 148 65.2 33.6 100.8





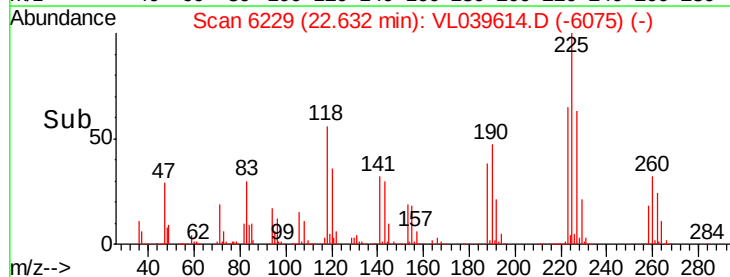
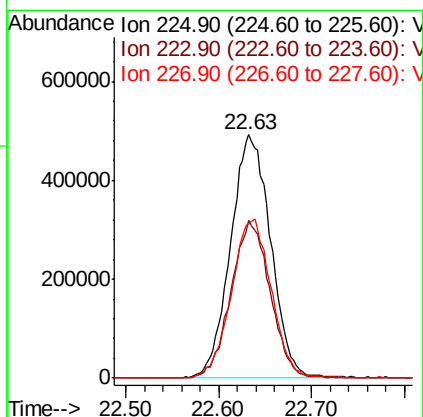
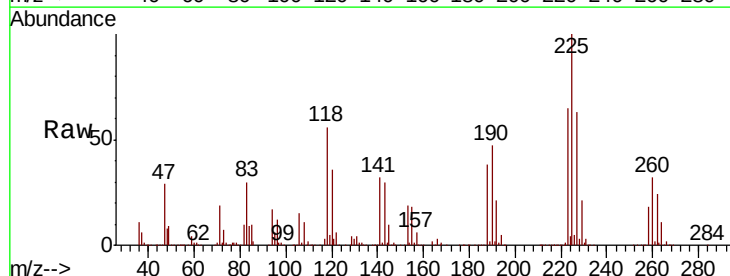
#77
 1,2-Dichlorobenzene
 Concen: 7.792 ppbv
 RT: 17.15
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 7 Sep 2022 10:44

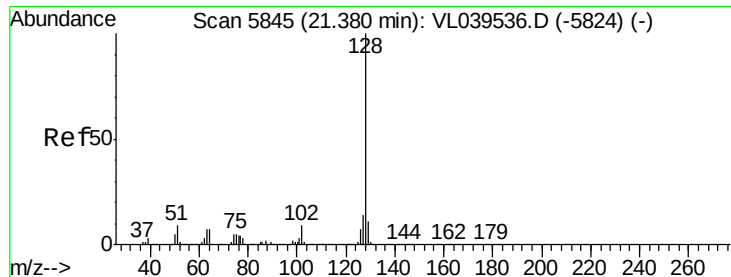
Tot Ion:146 Resp: 1777007
 Ion Ratio Lower Upper
 146 100
 111 46.7 23.8 71.5
 148 64.4 32.3 96.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.028 ppbv
 RT: 22.63 min Scan# 6229
 Delta R.T. -0.01 min
 Lab File: VL039614.D
 Acq: 7 Sep 2022 10:44

Tgt Ion:225 Resp: 1458138
 Ion Ratio Lower Upper
 225 100
 223 64.1 51.8 77.6
 227 66.0 51.4 77.2

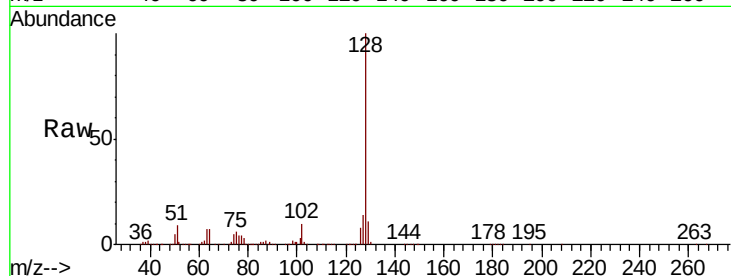




#79
Naphthalene
Concen: 11.357 ppbv
RT: 21.38 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 7 Sep 2022 10:44

Tot Ion:128 Resp: 3098127

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	10.7	8.8	13.2

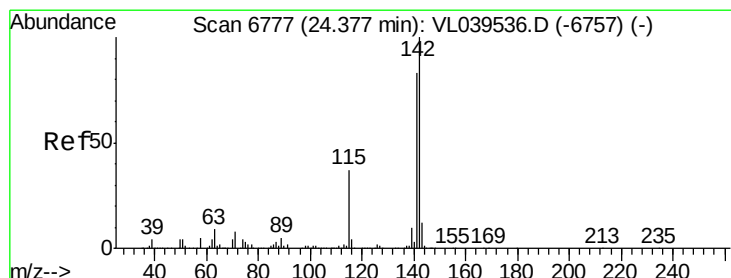
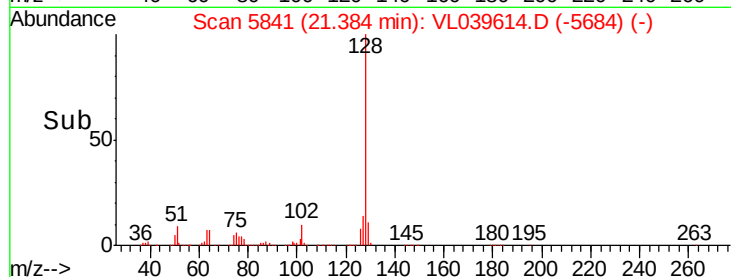
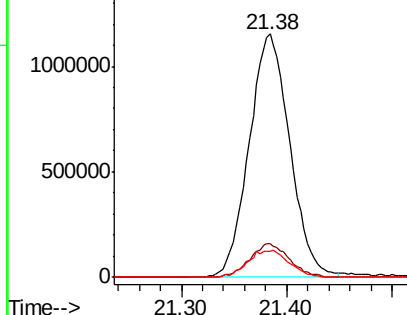


Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

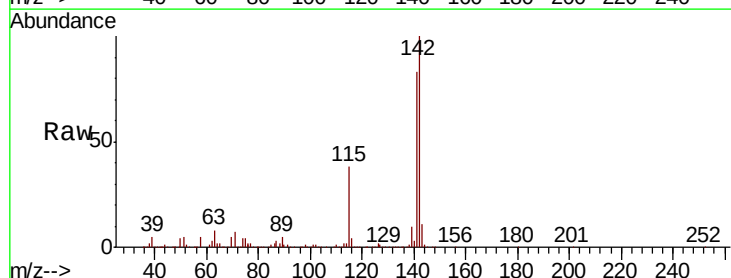
Ion 129.10 (128.80 to 129.80): V



#80
Naphthalene, 2-methyl-
Concen: 10.221 ppbv
RT: 24.37 min Scan# 6771
Delta R.T.: -0.00 min
Lab File: VL039614.D
Acq: 7 Sep 2022 10:44

Tgt Ion:142 Resp: 1131620

Ion	Ratio	Lower	Upper
142	100		
141	86.0	68.9	103.3
115	36.5	30.0	45.0

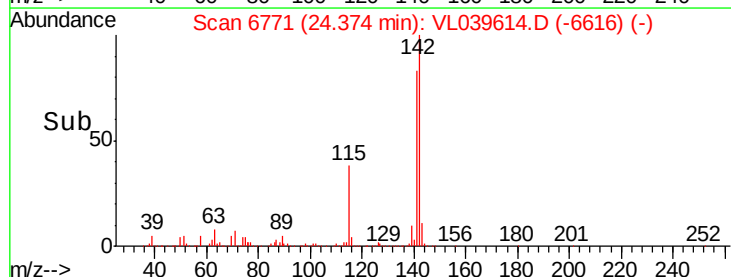
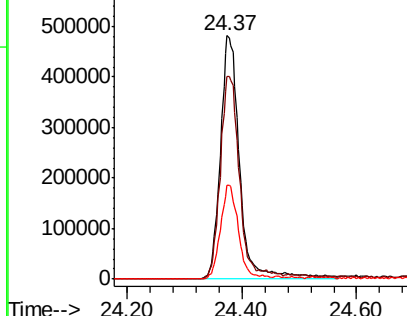


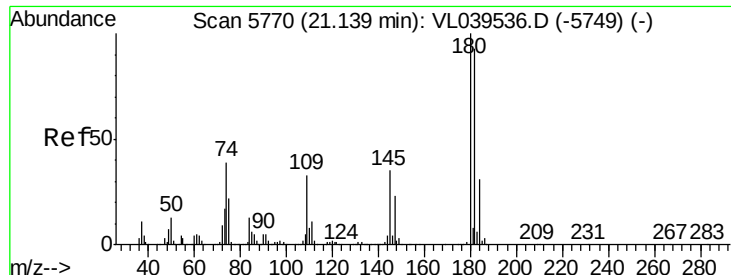
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 9.506 ppbv

RT: 21.14 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Sep 2022 10.44 VSTDCCC010

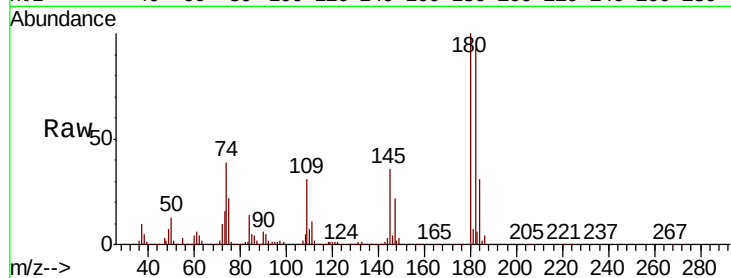
Tot Ion:180 Resp: 1731592

Ion Ratio Lower Upper

180 100

182 98.6 77.1 115.7

184 30.9 24.3 36.5



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

