

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040522\
 Data File : VL038815.D
 Acq On : 5 Apr 2022 17:50
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDIC0.5

Quant Time: Apr 11 06:27:06 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1493181	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3943401	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3594745	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2736477	10.04	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	129921	0.613 ppbv	90
3) Chlorodifluoromethane	2.99	51	94168	0.517 ppbv	99
4) Chloromethane	3.14	50	29379	0.311 ppbv	100
5) Vinyl Chloride	3.26	62	42675	0.489 ppbv	93
6) Bromomethane	3.47	94	12408	0.294 ppbv	87
7) Chloroethane	3.56	64	8327	0.286 ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	103284	0.522 ppbv	98
9) Propene	3.01	41	48886	0.507 ppbv	86
10) Heptane	8.11	43	87483	0.360 ppbv #	66
11) Trichlorofluoromethane	3.95	101	88667	0.521 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	65035	0.499 ppbv	97
13) Ethanol	3.61	45	1001	0.171 ppbv #	100
14) Bromoethene	3.74	108	25078	0.437 ppbv #	84
15) Acetone	3.86	43	52725	0.355 ppbv #	47
16) 1,3-Butadiene	3.33	39	35666	0.420 ppbv #	74
17) tert-Butyl alcohol	4.30	59	28591	0.214 ppbv #	80
18) 1,1-Dichloroethene	4.29	96	16584	0.279 ppbv	82
19) Isopropyl Alcohol	3.94	45	478	0.006 ppbv #	100
20) Methylene Chloride	4.34	84	12441	0.231 ppbv	94
21) Allyl Chloride	4.41	41	54070	0.486 ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	16864	0.280 ppbv	92
23) Vinyl Acetate	5.08	43	50163	0.346 ppbv #	92
24) 1,1-Dichloroethane	5.01	63	65159	0.498 ppbv	97
25) Ethyl Acetate	5.68	43	183774	0.487 ppbv #	96
26) Hexane	5.68	57	85408	0.497 ppbv	97
27) Carbon Disulfide	4.55	76	64923	0.412 ppbv #	70
28) Methyl tert-Butyl Ether	5.04	73	39634	0.299 ppbv #	56
29) Chloroform	5.75	83	118420	0.493 ppbv	96
30) Cyclohexane	7.12	84	80220	0.530 ppbv	85
31) cis-1,2-Dichloroethene	5.55	61	40068	0.254 ppbv	91
32) 1,1,1-Trichloroethane	6.50	97	114671	0.474 ppbv	93
34) 2-Butanone	5.25	43	24991	0.160 ppbv #	1
35) Carbon Tetrachloride	7.01	117	122546	0.518 ppbv	86
36) Benzene	6.89	78	189045	0.527 ppbv	97
37) 1,2-Dichloroethane	6.30	62	83968	0.512 ppbv #	95
38) Trichloroethene	7.83	130	70241	0.477 ppbv	95
39) 1,2-Dichloropropane	7.61	63	71879	0.524 ppbv	96
40) 1,4-Dioxane	7.81	88	125	0.003 ppbv #	20
41) Tetrahydrofuran	6.07	42	43189	0.292 ppbv #	49
42) Bromodichloromethane	7.78	83	132368	0.511 ppbv	95
43) Methyl Methacrylate	8.01	69	65834	0.479 ppbv	95

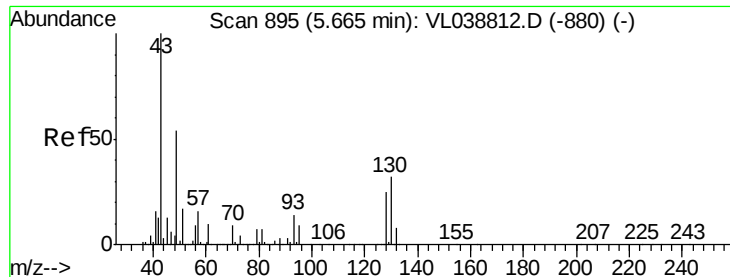
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040522\
 Data File : VL038815.D
 Acq On : 5 Apr 2022 17:50
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 Misc : 400mL/MSVOA L
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Instrument :
 MSVOA L
 ClientSampleId :
 VSTDIC0.5

Quant Time: Apr 11 06:27:06 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	327895	0.540	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	61820	0.430	ppbv	94
46) cis-1,3-Dichloropropene	8.69	75	84493	0.446	ppbv	94
47) 1,1,2-Trichloroethane	9.46	97	71979	0.512	ppbv	94
48) Dibromochloromethane	10.30	129	103169	0.468	ppbv	97
49) Bromoform	13.03	173	79629	0.456	ppbv	97
50) 4-Methyl-2-Pentanone	8.75	43	163419	0.466	ppbv	99
51) 2-Hexanone	10.15	43	100077	0.379	ppbv #	81
52) Tetrachloroethene	11.20	164	12300	0.098	ppbv	90
53) Toluene	9.80	91	217185	0.524	ppbv	99
54) 1,2-Dibromoethane	10.60	107	53094	0.272	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	81708	0.519	ppbv #	1
57) Chlorobenzene	12.14	112	159316	0.541	ppbv	94
58) Ethyl Benzene	12.70	91	283097	0.527	ppbv #	84
59) m/p-Xylene	12.98	91	270041	0.598	ppbv #	50
60) o-Xylene	13.68	91	221910	0.526	ppbv	96
61) Styrene	13.52	104	56257	0.219	ppbv #	4
62) Isopropylbenzene	14.65	105	351131	0.554	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	136553	0.511	ppbv	99
64) n-propylbenzene	15.55	120	84505	0.513	ppbv	77
65) tert-Butylbenzene	16.73	119	139505	0.248	ppbv #	1
66) Benzyl Chloride	16.98	91	7069	0.062	ppbv #	1
67) sec-Butylbenzene	17.28	105	432789	0.548	ppbv	97
69) p-Isopropyltoluene	17.65	119	337465	0.521	ppbv	98
70) n-Butylbenzene	18.54	91	333094	0.510	ppbv	97
71) 2-Chlorotoluene	15.83	91	22919	0.048	ppbv	91
72) 4-Ethyltoluene	15.83	105	265619	0.527	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	230673	0.509	ppbv #	84
74) 1,2,4-Trimethylbenzene	16.75	105	246430	0.515	ppbv #	92
75) 1,3-Dichlorobenzene	16.98	146	133810	0.481	ppbv	91
76) 1,4-Dichlorobenzene	17.13	146	134455	0.491	ppbv	96
77) 1,2-Dichlorobenzene	17.81	146	61160	0.223	ppbv #	22
78) Hexachloro-1,3-Butadiene	23.36	225	77425	0.358	ppbv #	50
79) Naphthalene	22.18	128	159814	0.446	ppbv #	92
80) Naphthalene, 2-methyl-	24.96	142	14123	0.160	ppbv #	55
81) 1,2,4-Trichlorobenzene	21.91	180	58867	0.281	ppbv #	40

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 5 Apr 2022 17:50 VSTDIC0.5

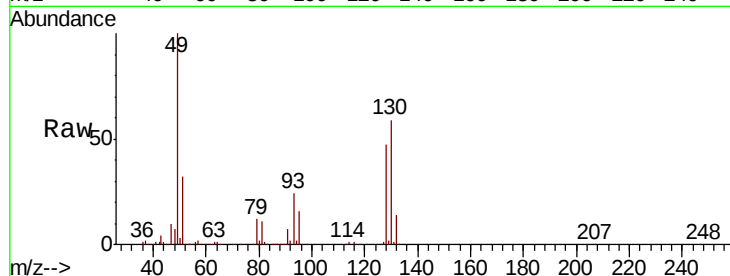
Tot Ion: 49 Resp: 1493181

Ion Ratio Lower Upper

49 100

128 48.7 24.1 72.3

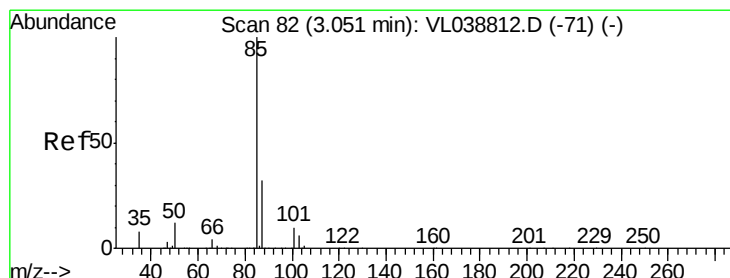
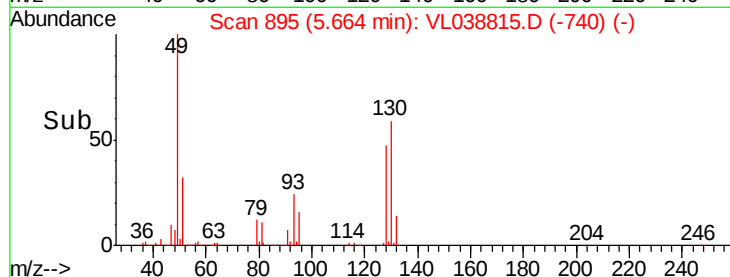
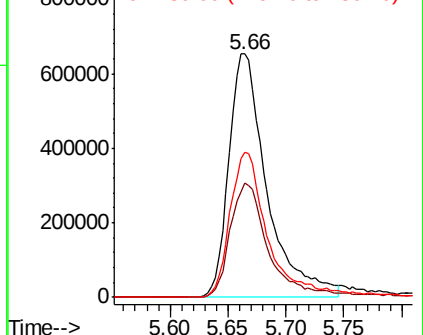
130 62.1 30.9 92.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.613 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL038815.D

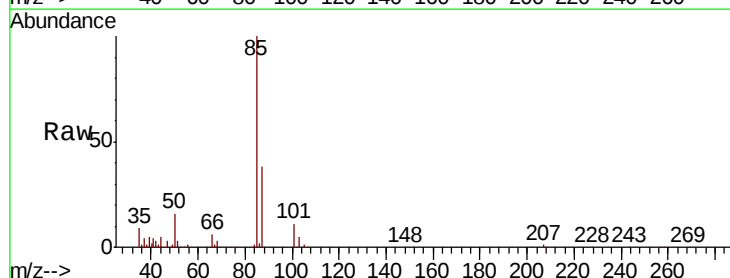
Acq: 5 Apr 2022 17:50

Tgt Ion: 85 Resp: 129921

Ion Ratio Lower Upper

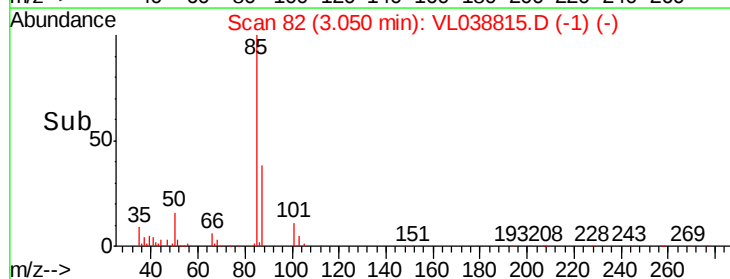
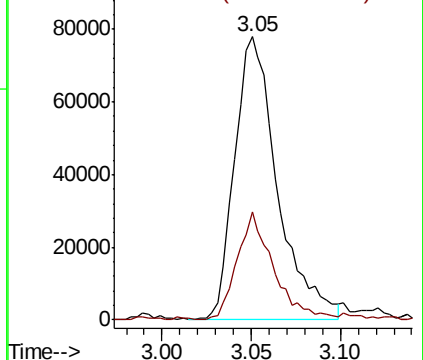
85 100

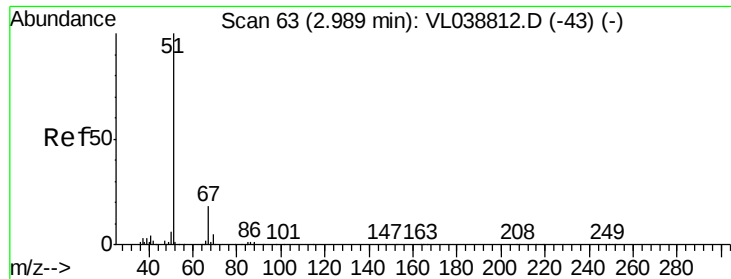
87 37.9 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.517 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

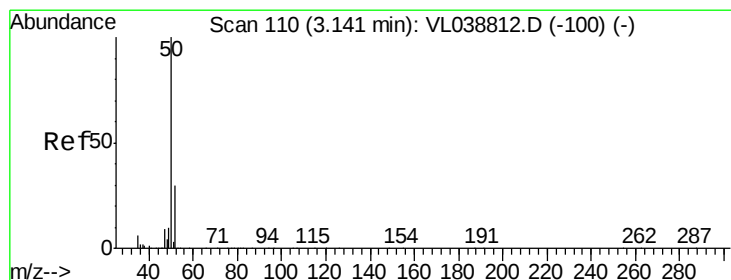
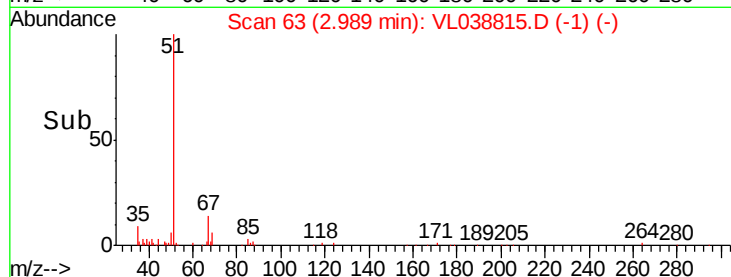
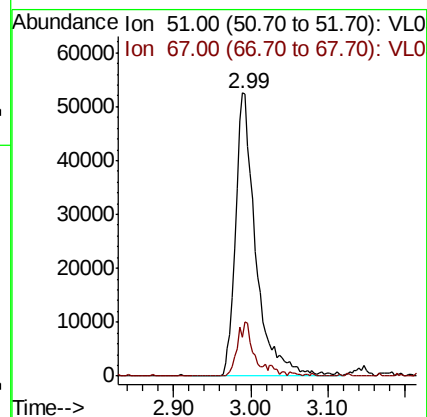
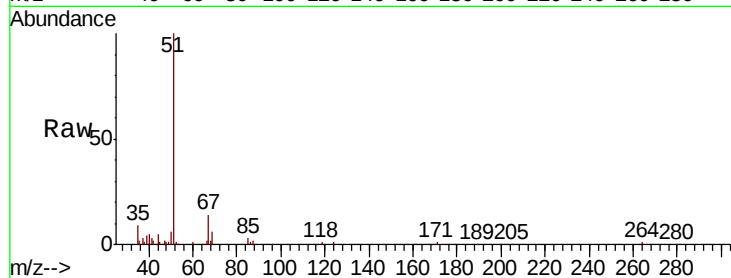
Acq: 5 Apr 2022 17:50

Tot Ion: 51 Resp: 94168

Ion Ratio Lower Upper

51 100

67 17.3 13.4 20.0



#4

Chloromethane

Concen: 0.311 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL038815.D

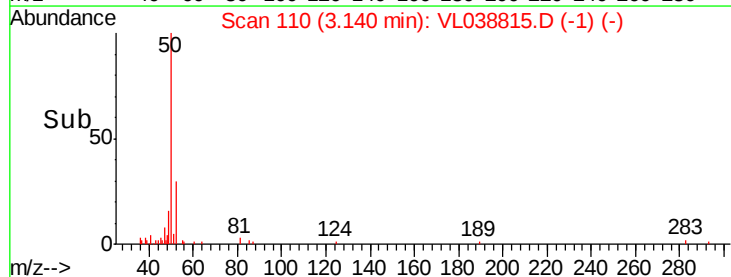
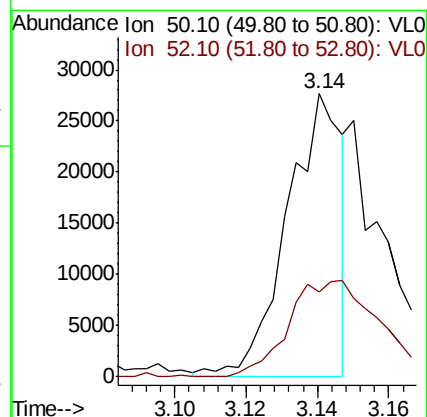
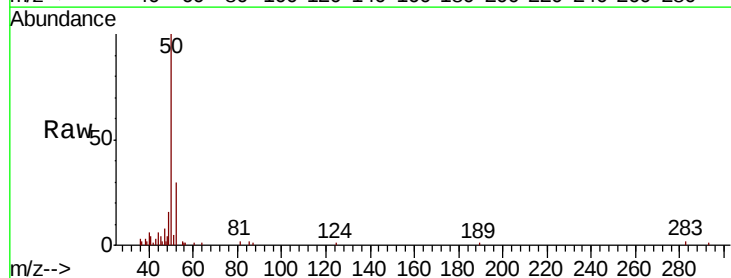
Acq: 5 Apr 2022 17:50

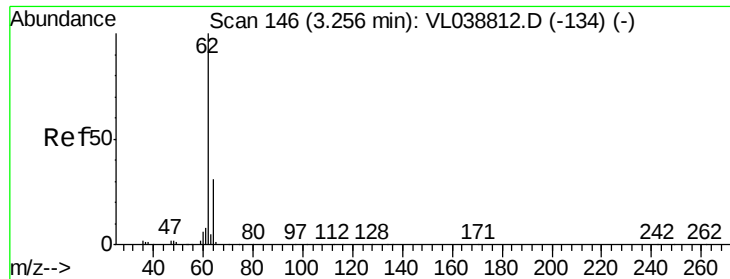
Tgt Ion: 50 Resp: 29379

Ion Ratio Lower Upper

50 100

52 30.5 24.3 36.5





#5

Vinyl Chloride

Concen: 0.489 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

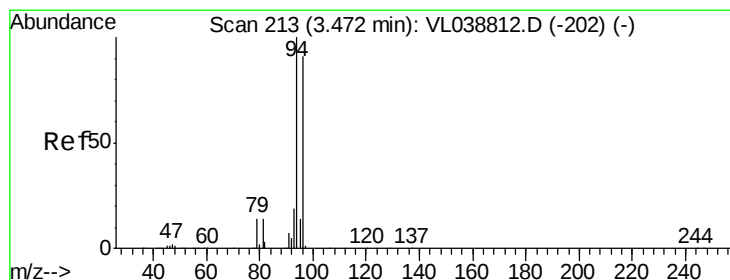
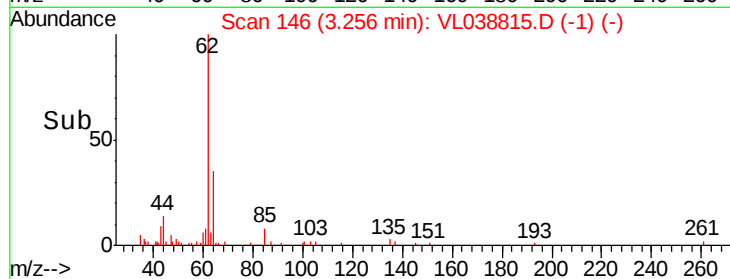
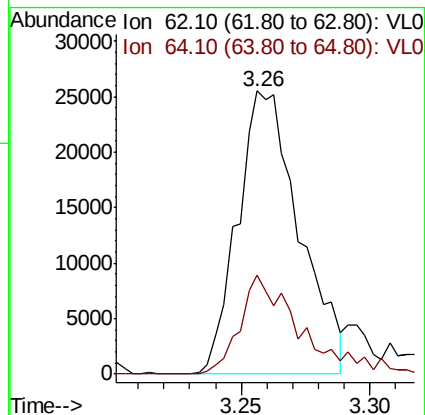
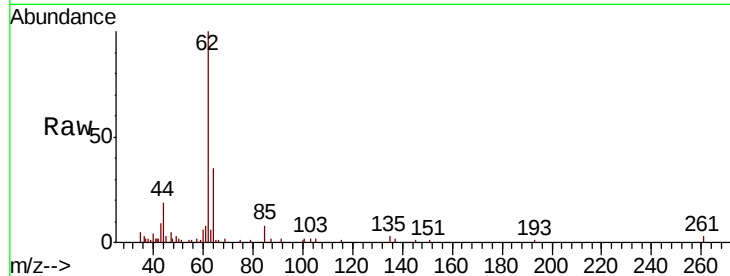
Acq: 5 Apr 2022 17:50

Tot Ion: 62 Resp: 42675

Ion Ratio Lower Upper

62 100

64 34.8 24.6 37.0



#6

Bromomethane

Concen: 0.294 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL038815.D

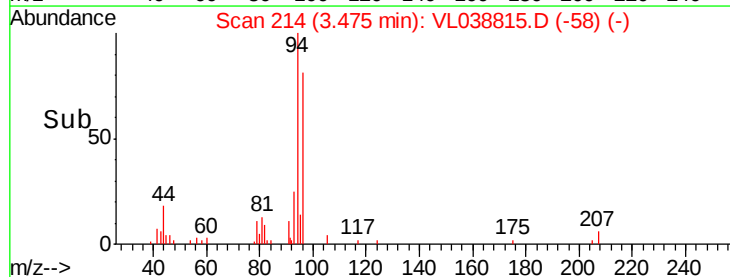
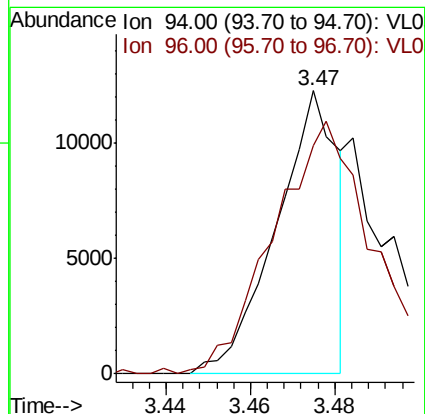
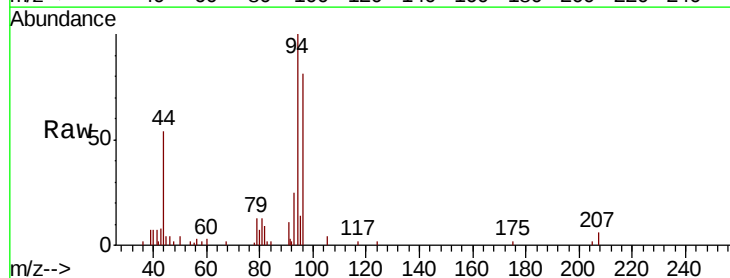
Acq: 5 Apr 2022 17:50

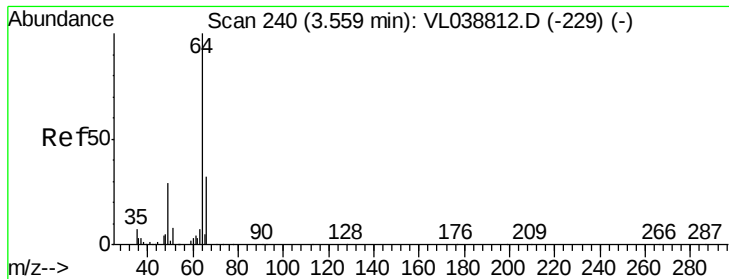
Tgt Ion: 94 Resp: 12408

Ion Ratio Lower Upper

94 100

96 79.1 73.2 109.8





#7

Chloroethane

Concen: 0.286 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

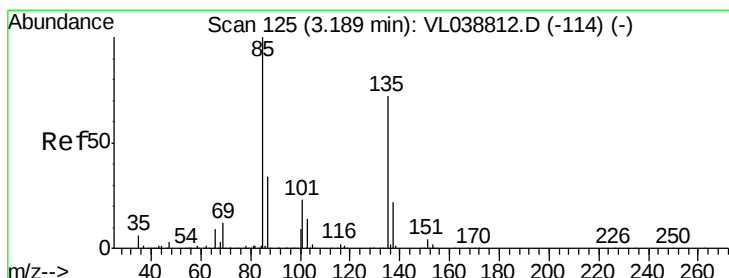
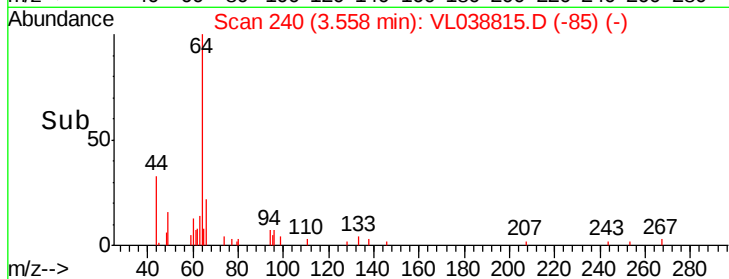
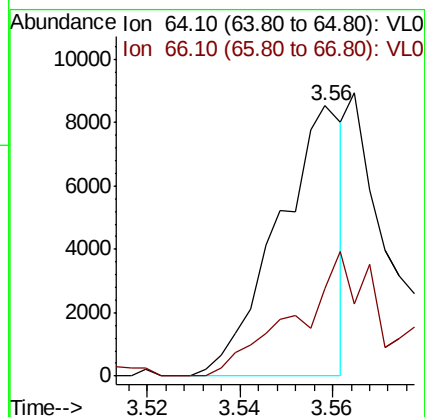
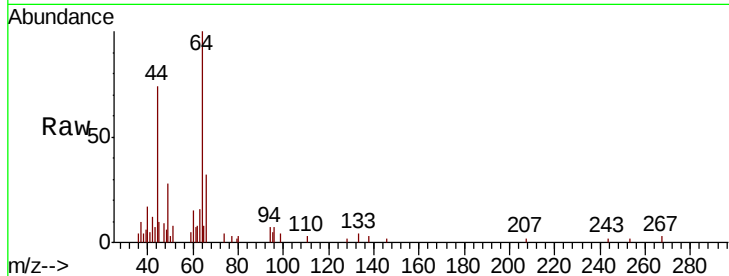
Acq: 5 Apr 2022 17:50 VSTDIC0.5

Tot Ion: 64 Resp: 8327

Ion Ratio Lower Upper

64 100

66 32.4 25.4 38.2



#8

Dichlorotetrafluoroethane

Concen: 0.522 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL038815.D

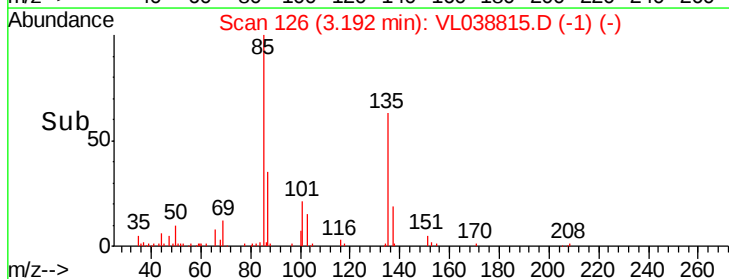
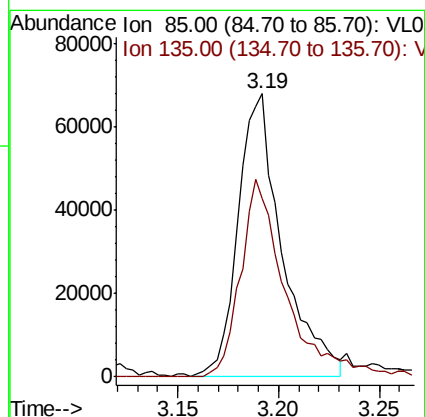
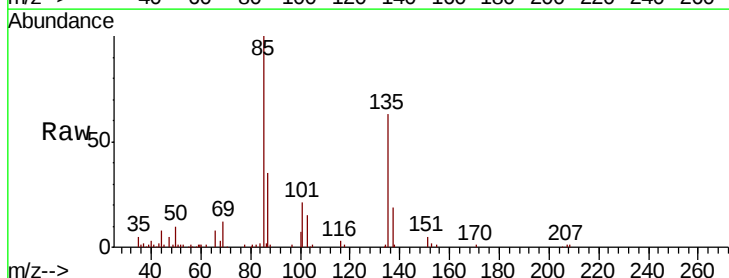
Acq: 5 Apr 2022 17:50

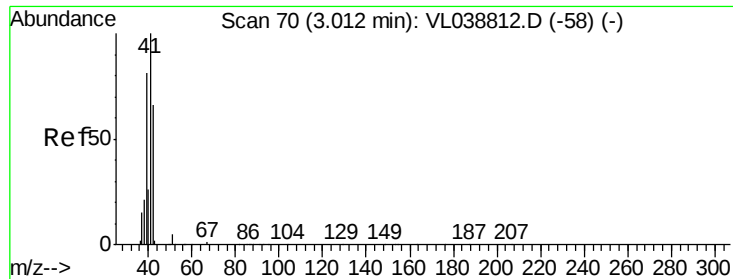
Tgt Ion: 85 Resp: 103284

Ion Ratio Lower Upper

85 100

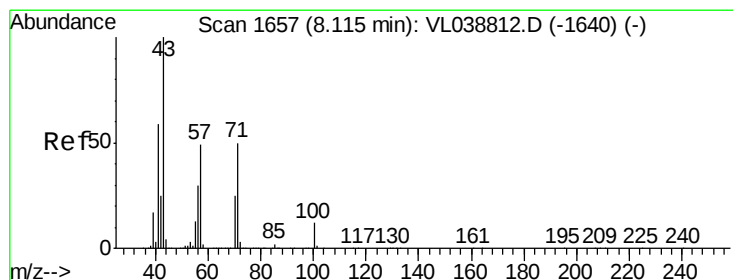
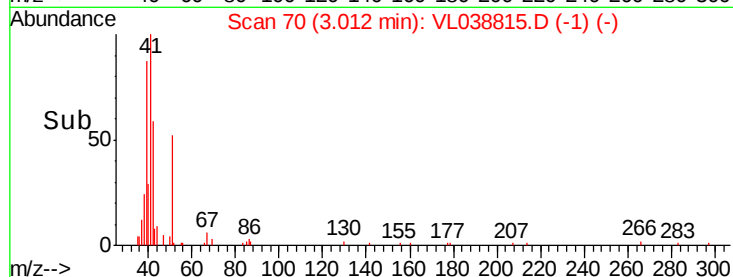
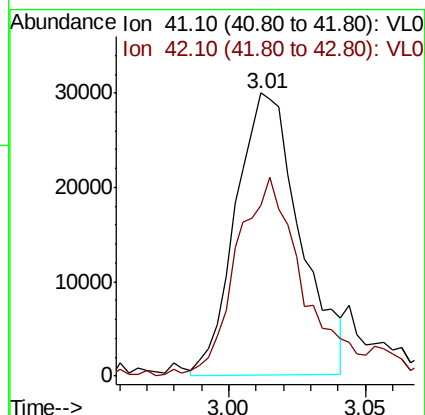
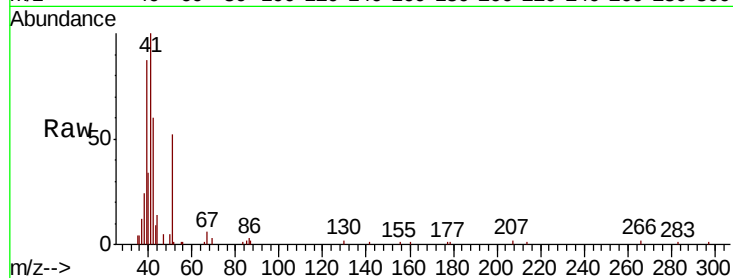
135 72.7 57.0 85.6





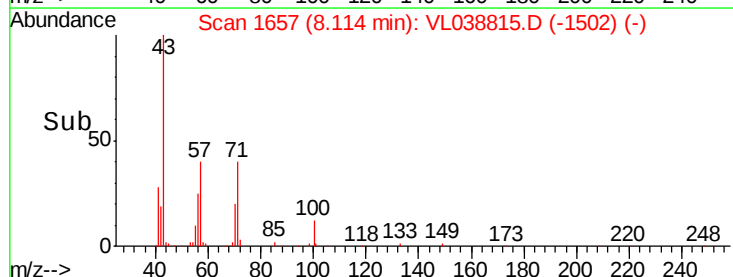
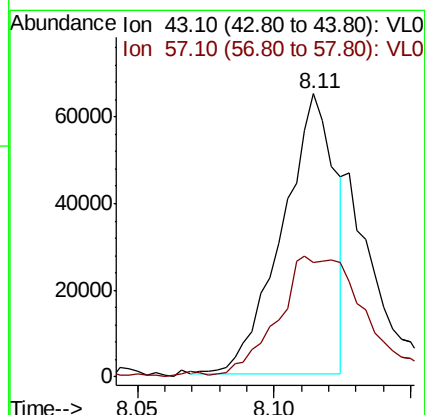
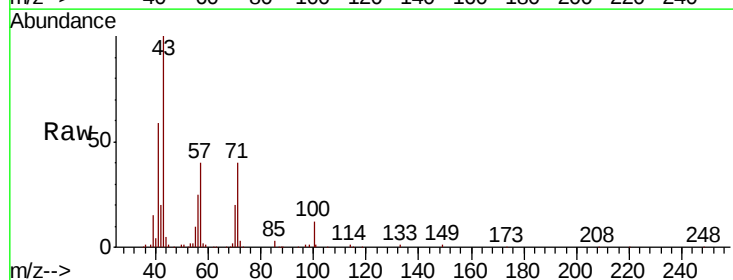
#9
 Propene
 Concen: 0.507 ppbv
 RT: 3.01
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 Apr 2022 17:50

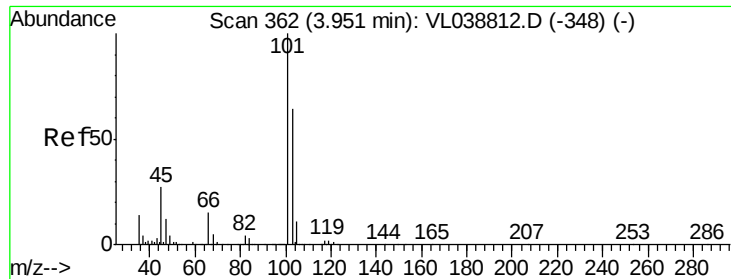
Tot Ion: 41 Resp: 48886
 Ion Ratio Lower Upper
 41 100
 42 79.5 54.2 81.4



#10
 Heptane
 Concen: 0.360 ppbv
 RT: 8.11 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VL038815.D
 Acq: 5 Apr 2022 17:50

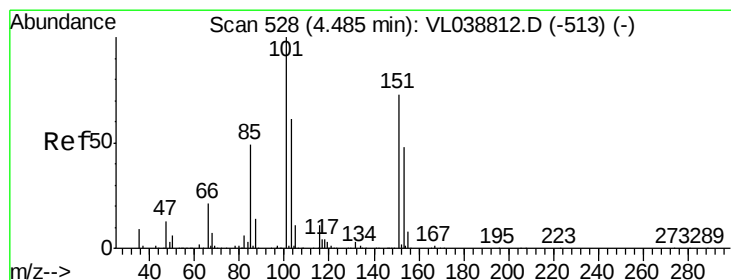
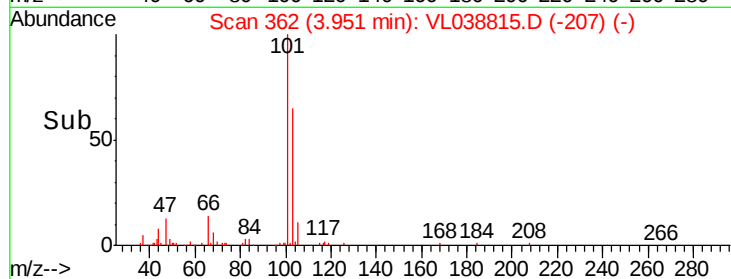
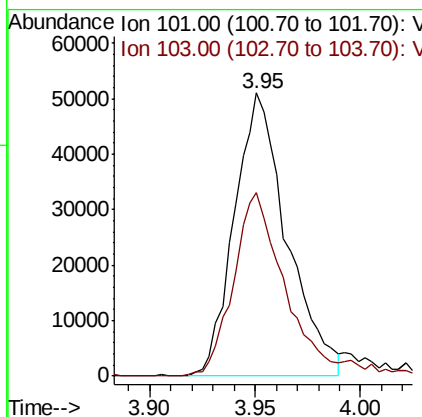
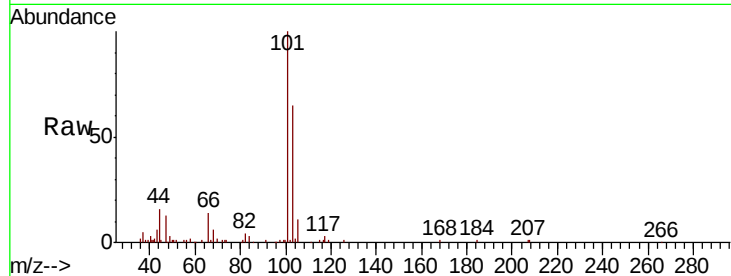
Tgt Ion: 43 Resp: 87483
 Ion Ratio Lower Upper
 43 100
 57 72.6 39.3 58.9#





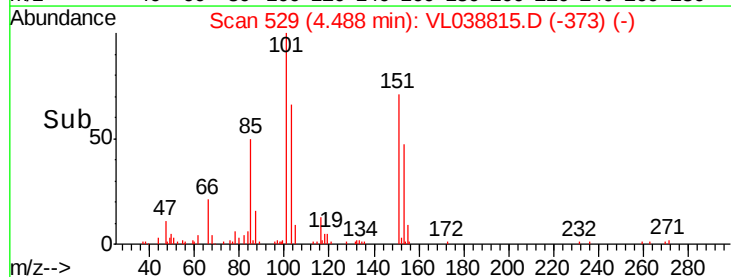
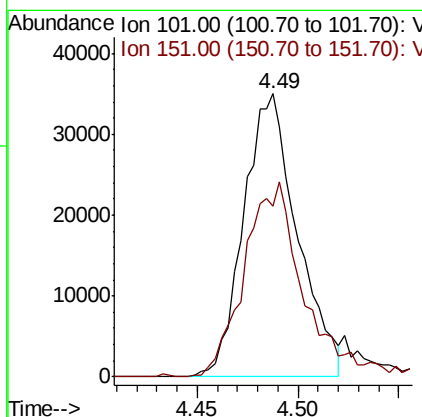
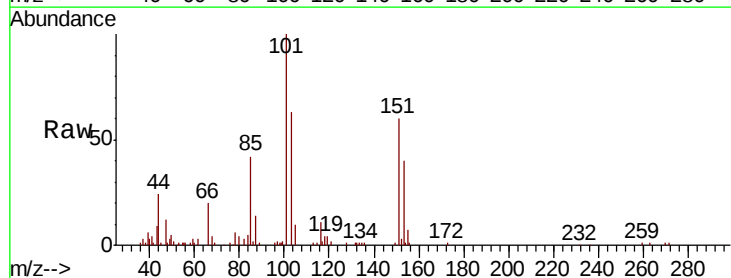
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 Trichlorofluoromethane
 Concen: 0.521 ppbv
 RT: 3.95 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC0.5
 Acq: 5 Apr 2022 17:50

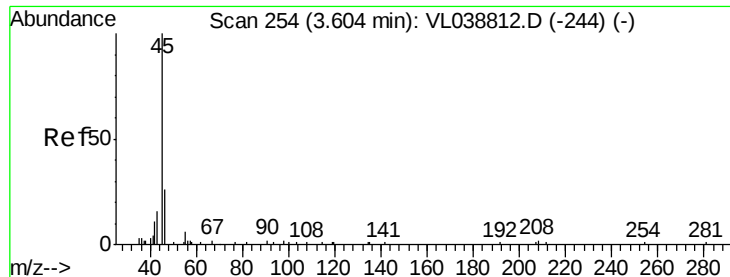
Tot Ion:101 Resp: 88667
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.499 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T.: 0.00 min
 Lab File: VL038815.D
 Acq: 5 Apr 2022 17:50

Tgt Ion:101 Resp: 65035
 Ion Ratio Lower Upper
 101 100
 151 77.8 59.9 89.9





#13

Ethanol

Concen: 0.171 ppbv

RT: 3.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

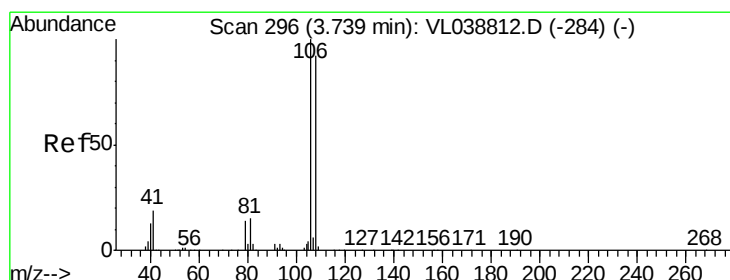
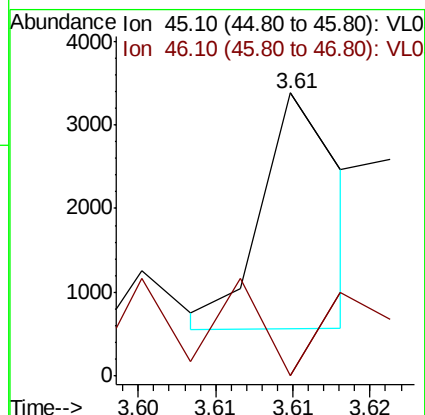
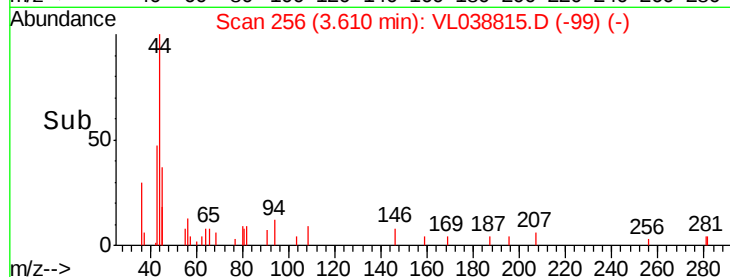
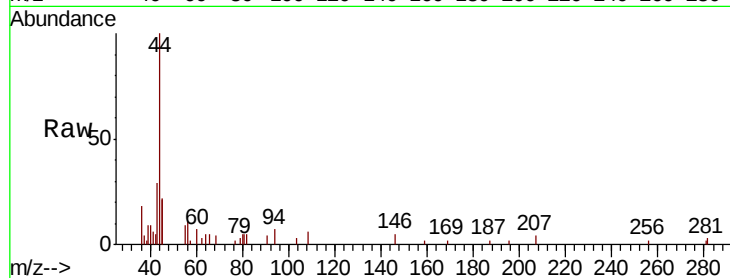
Acq: 5 Apr 2022 17:50

Tot Ion: 45 Resp: 1001

Ion Ratio Lower Upper

45 100

46 0.0 0.0 0.0



#14

Bromoethene

Concen: 0.437 ppbv

RT: 3.74 min Scan# 296

Delta R.T. -0.00 min

Lab File: VL038815.D

Acq: 5 Apr 2022 17:50

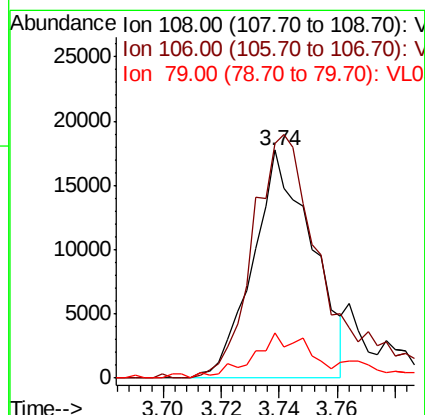
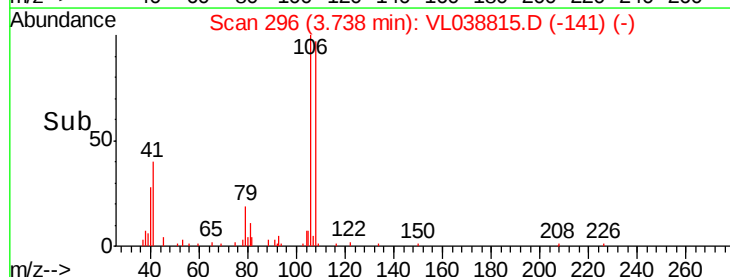
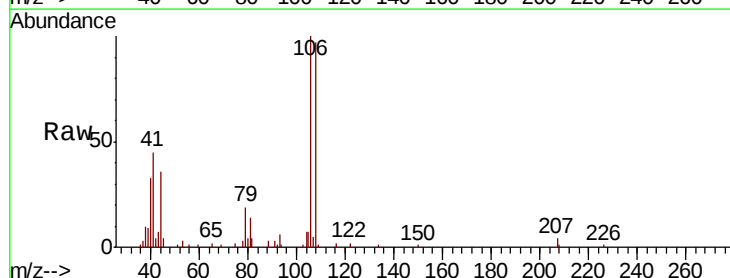
Tgt Ion: 108 Resp: 25078

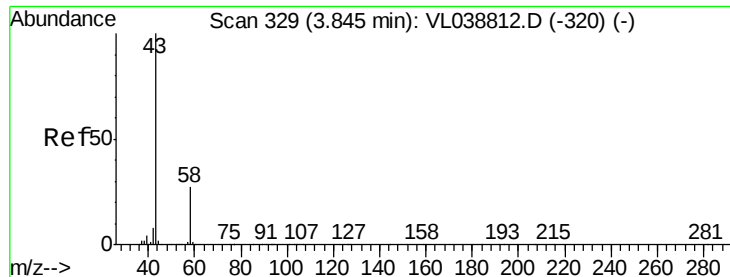
Ion Ratio Lower Upper

108 100

106 130.7 91.5 137.3

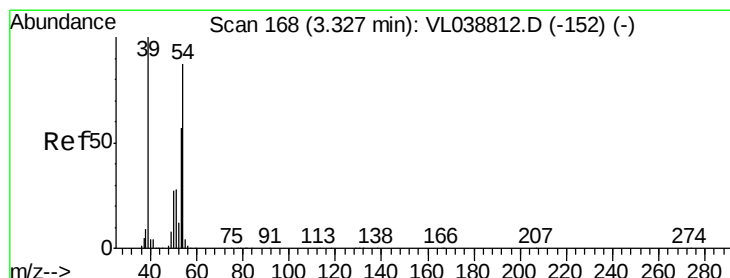
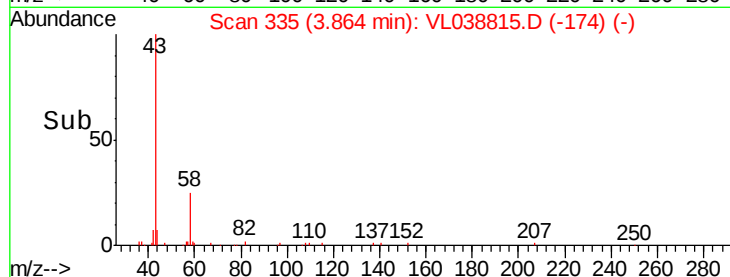
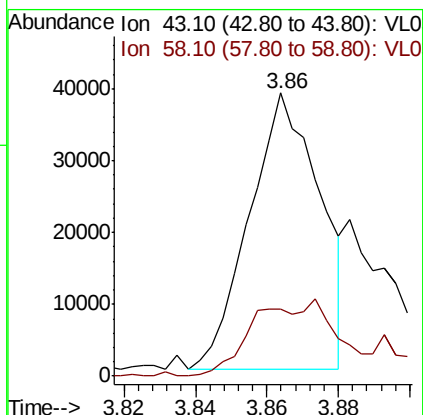
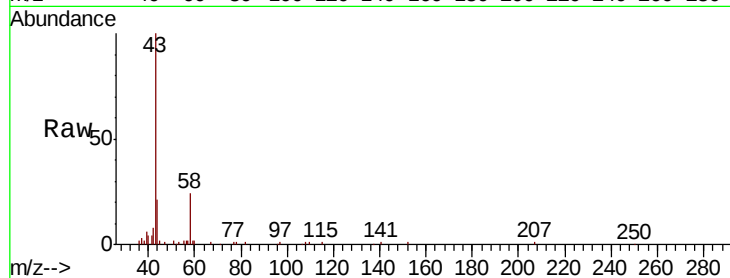
79 26.4 13.7 20.5#





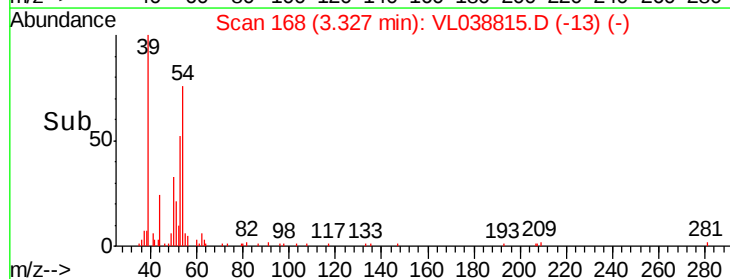
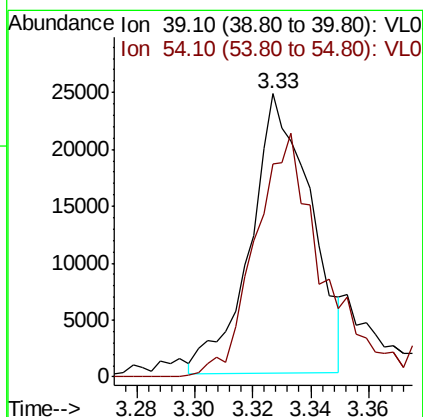
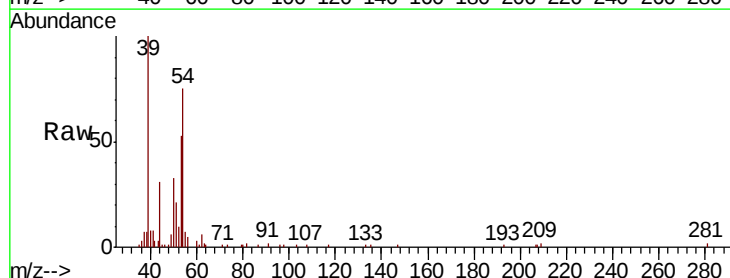
#15
Acetone
Concen: 0.355 ppbv
RT: 3.86
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 Apr 2022 17:50

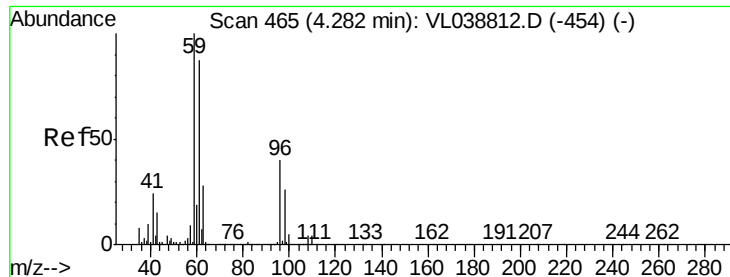
Tot Ion: 43 Resp: 52725
Ion Ratio Lower Upper
43 100
58 0.0 22.5 33.7#



#16
1,3-Butadiene
Concen: 0.420 ppbv
RT: 3.33 min Scan# 168
Delta R.T. -0.00 min
Lab File: VL038815.D
Acq: 5 Apr 2022 17:50

Tgt Ion: 39 Resp: 35666
Ion Ratio Lower Upper
39 100
54 104.3 64.8 97.2#





#17

tert-Butyl alcohol

Concen: 0.214 ppbv

RT: 4.30 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

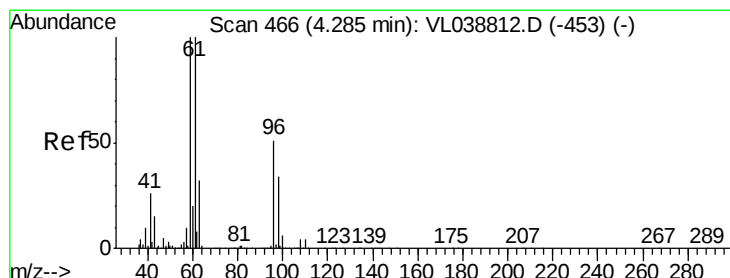
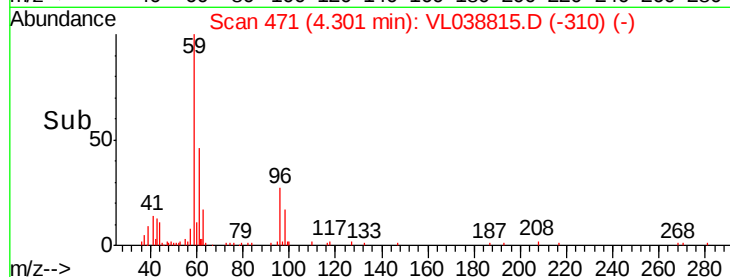
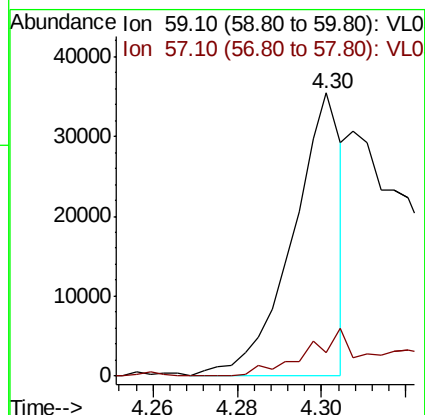
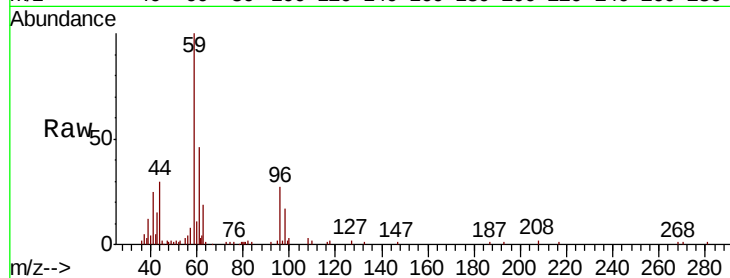
Acq: 5 Apr 2022 17:50

Tot Ion: 59 Resp: 28591

Ion Ratio Lower Upper

59 100

57 3.1 8.5 12.7#



#18

1,1-Dichloroethene

Concen: 0.279 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.01 min

Lab File: VL038815.D

Acq: 5 Apr 2022 17:50

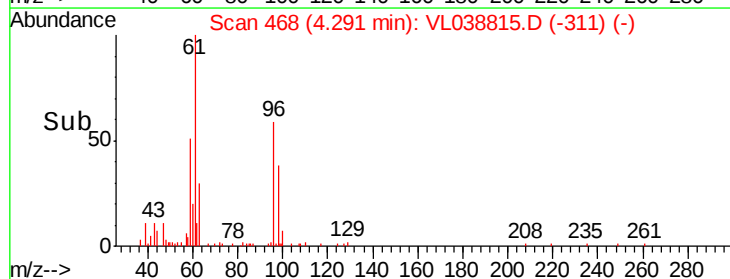
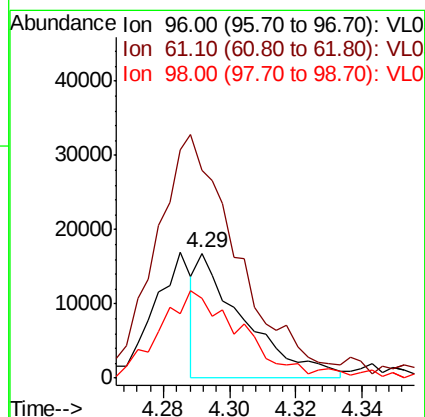
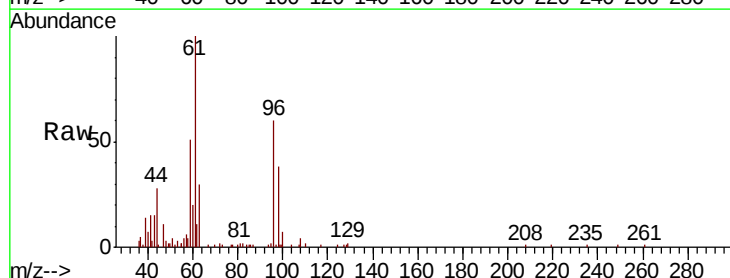
Tgt Ion: 96 Resp: 16584

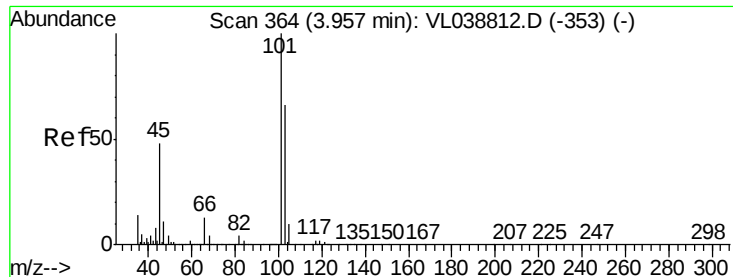
Ion Ratio Lower Upper

96 100

61 163.1 156.1 234.1

98 61.3 53.0 79.6





#19

Isopropyl Alcohol

Concen: 0.006 ppbv

RT: 3.94 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC0.5

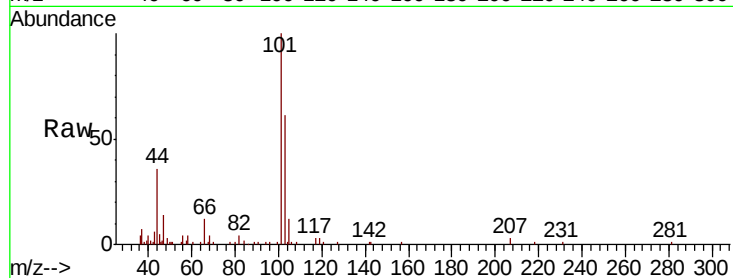
Acq: 5 Apr 2022 17:50

Tot Ion: 45 Resp: 478

Ion Ratio Lower Upper

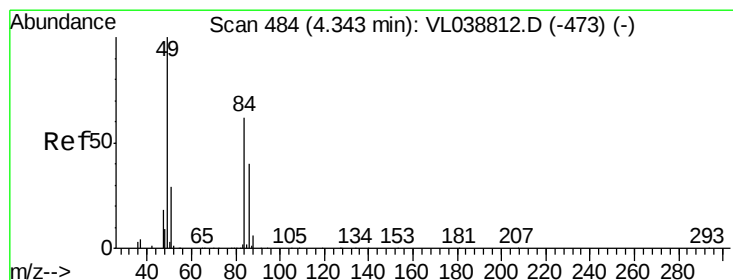
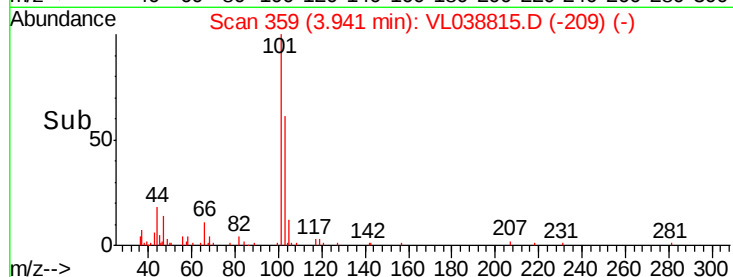
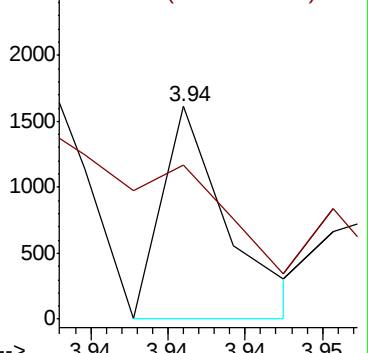
45 100

58 0.0 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: 0.231 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL038815.D

Acq: 5 Apr 2022 17:50

Tgt Ion: 84 Resp: 12441

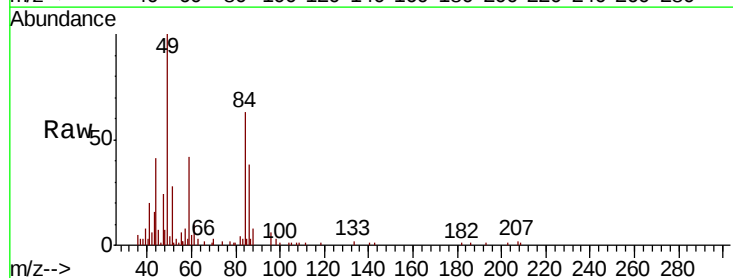
Ion Ratio Lower Upper

84 100

49 155.1 129.4 194.0

51 37.9 37.4 56.2

86 60.8 51.4 77.2

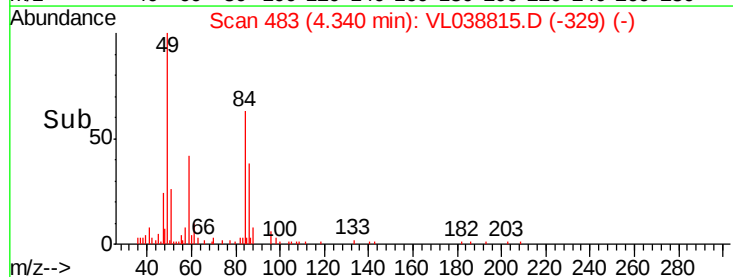
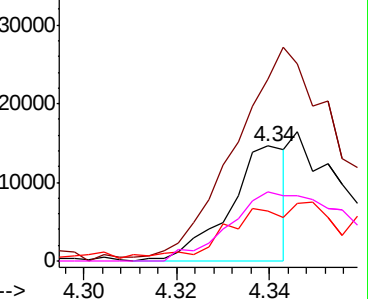


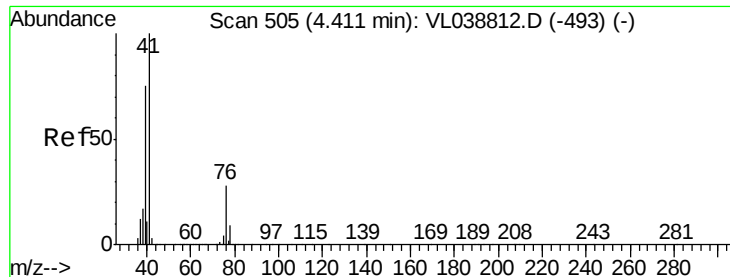
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

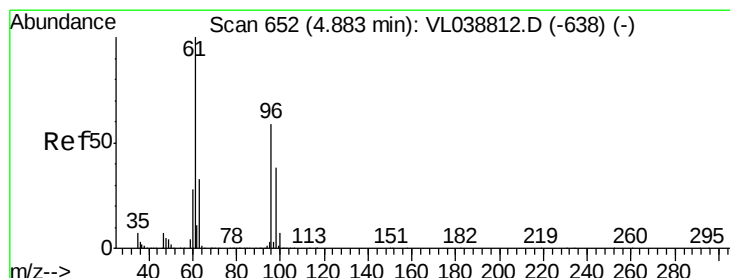
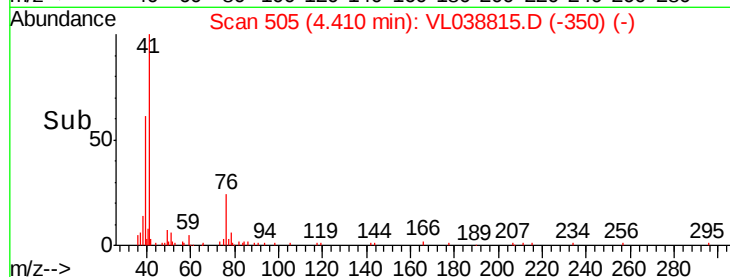
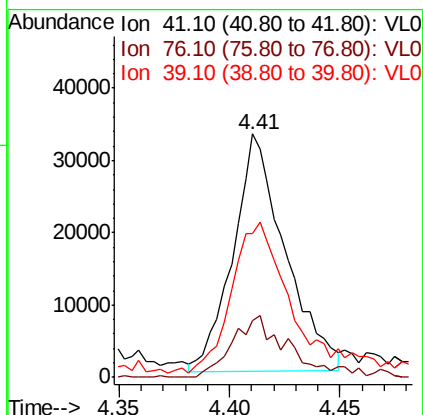
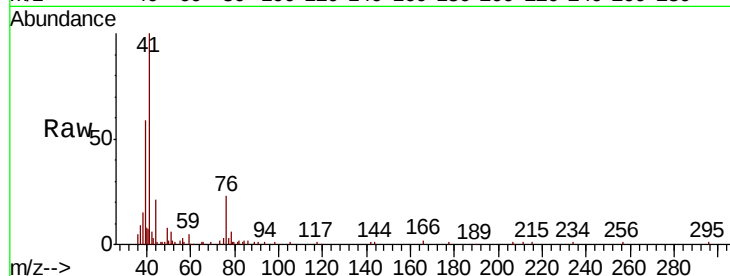
Ion 86.00 (85.70 to 86.70): VL0





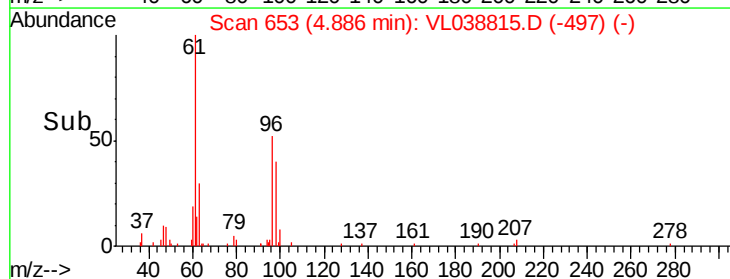
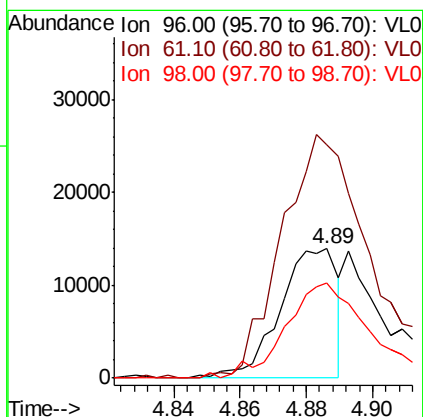
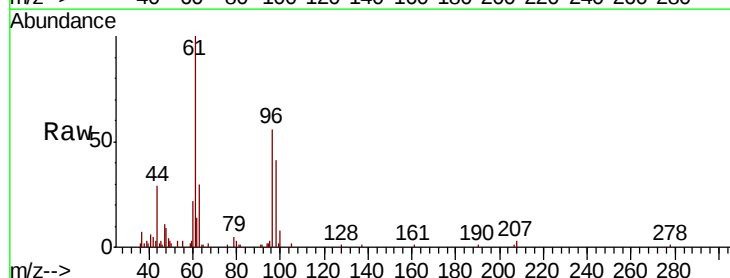
#21
 Allv1 Chloride
 Concen: 0.486 ppbv
 RT: 4.41 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC0.5
 Acq: 5 Apr 2022 17:50

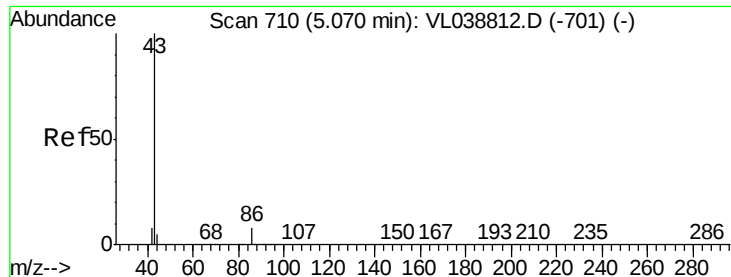
Tot Ion:	41	Resp:	54070
Ion	Ratio	Lower	Upper
41	100		
76	29.0	23.7	35.5
39	76.1	62.0	93.0



#22
 trans-1,2-Dichloroethene
 Concen: 0.280 ppbv
 RT: 4.89 min Scan# 653
 Delta R.T. 0.00 min
 Lab File: VL038815.D
 Acq: 5 Apr 2022 17:50

Tgt Ion:	96	Resp:	16864
Ion	Ratio	Lower	Upper
96	100		
61	178.2	134.8	202.2
98	73.3	51.9	77.9





#23

Vinyl Acetate

Concen: 0.346 ppbv

RT: 5.08 Instrument:

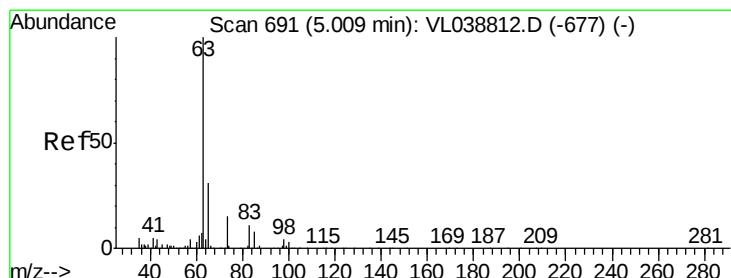
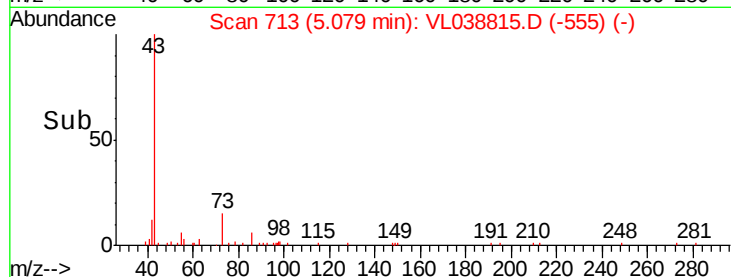
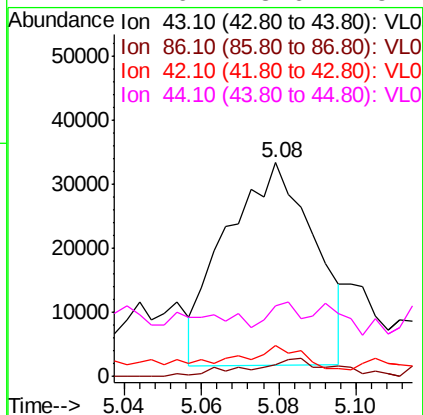
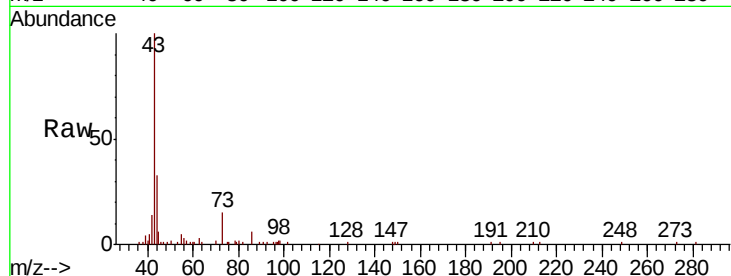
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 5 Apr 2022 17:50

Tot Ion: 43 Resp: 50163

Ion	Ratio	Lower	Upper
43	100		
86	6.7	5.8	8.6
42	14.2	7.8	11.6#
44	7.6	3.6	5.4#



#24

1,1-Dichloroethane

Concen: 0.498 ppbv

RT: 5.01 min Scan# 691

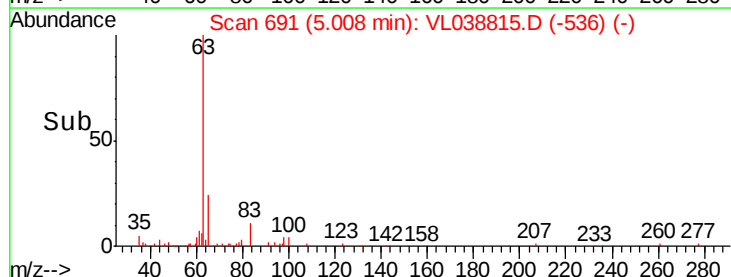
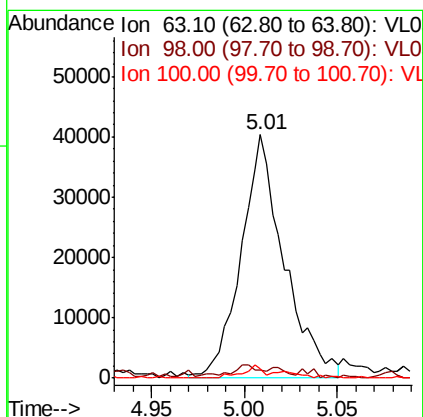
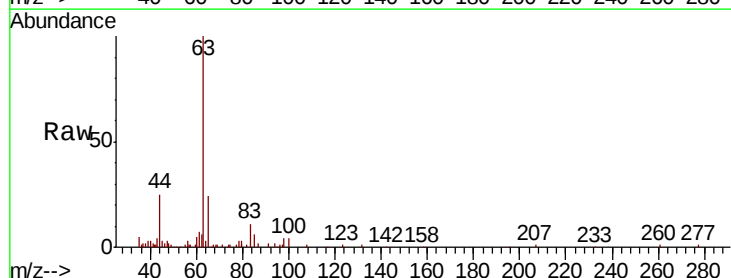
Delta R.T. -0.00 min

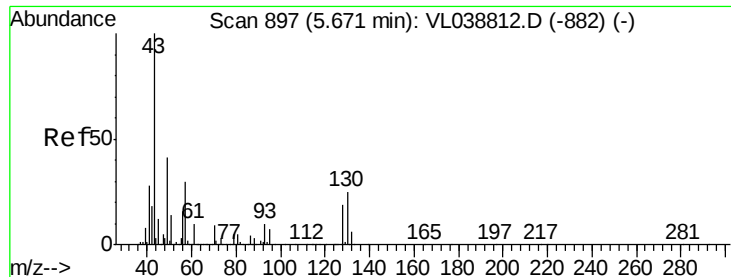
Lab File: VL038815.D

Acq: 5 Apr 2022 17:50

Tgt Ion: 63 Resp: 65159

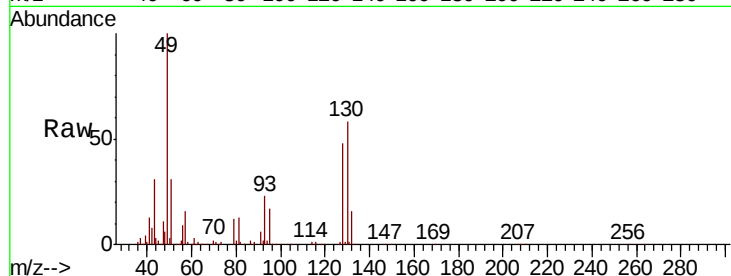
Ion	Ratio	Lower	Upper
63	100		
98	3.6	2.2	6.6
100	3.7	1.4	4.0



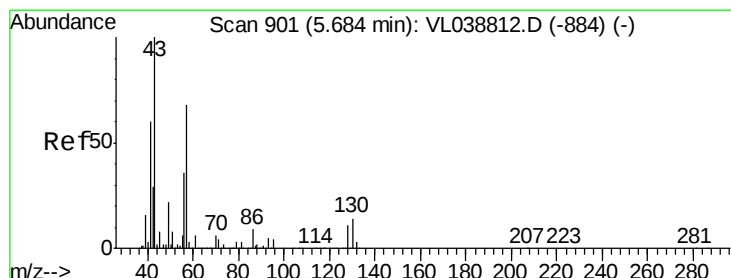
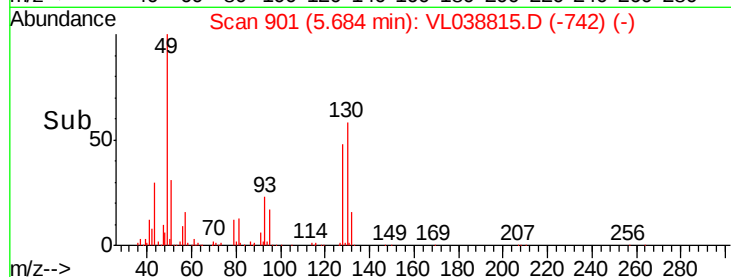
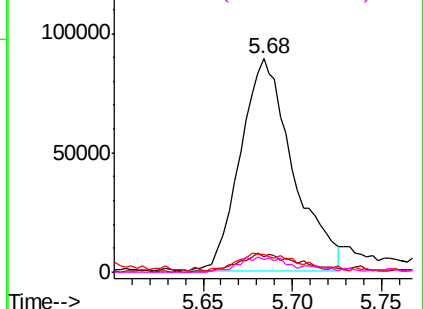


#25
Ethyl Acetate
Concen: 0.487 ppbv
RT: 5.68
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 5 Apr 2022 17:50

Tot Ion:	43	Resp:	183774
Ion	Ratio	Lower	Upper
43	100		
45	12.2	8.4	12.6
61	10.9	7.9	11.9
70	9.0	5.6	8.4#

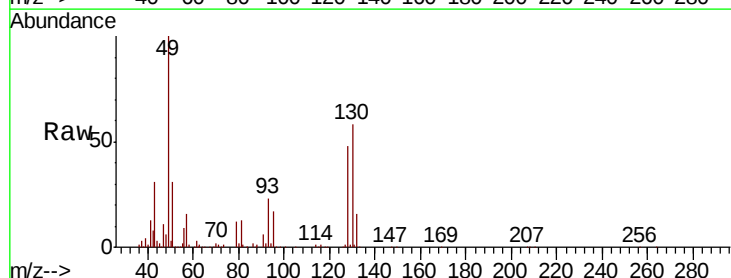


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

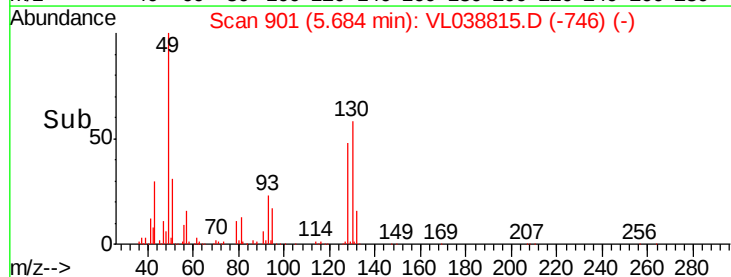
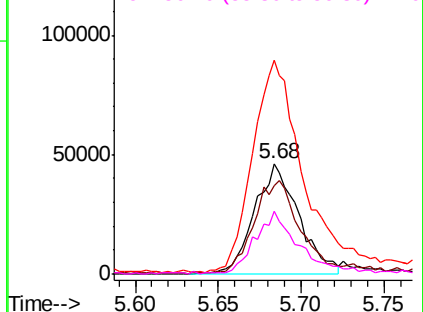


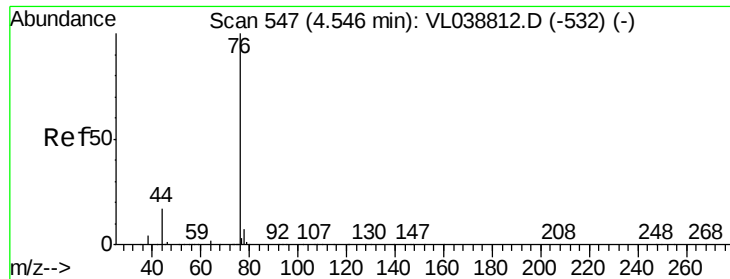
#26
Hexane
Concen: 0.497 ppbv
RT: 5.68 min Scan# 901
Delta R.T.: -0.00 min
Lab File: VL038815.D
Acq: 5 Apr 2022 17:50

Tgt Ion:	57	Resp:	85408
Ion	Ratio	Lower	Upper
57	100		
41	95.5	72.0	108.0
43	234.2	186.6	280.0
56	60.1	42.8	64.2



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: 0.412 ppbv

RT: 4.55 Instrument:

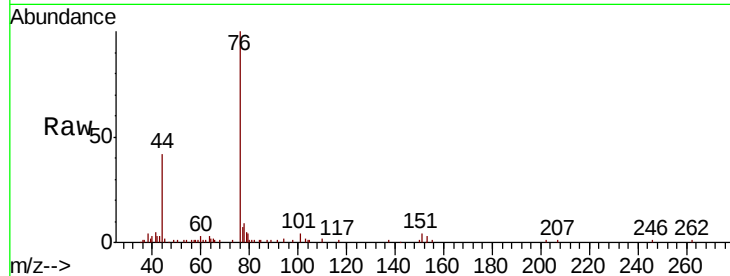
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 Apr 2022 17:50 VSTDIC0.5

Tot Ion: 76 Resp: 64923

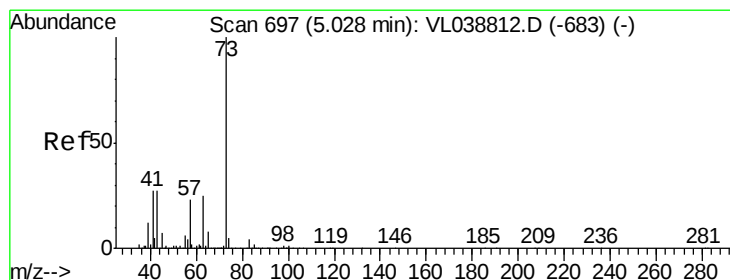
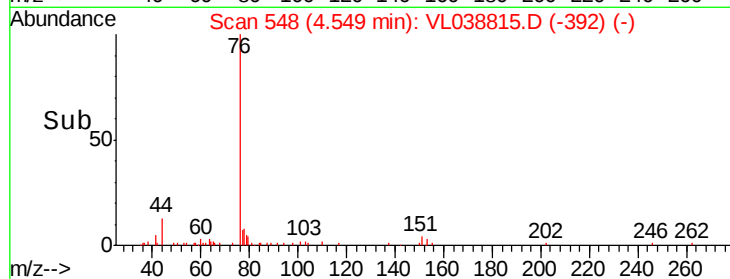
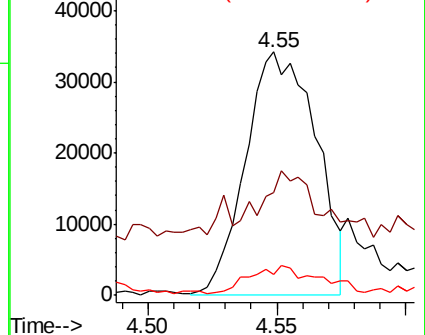
Ion	Ratio	Lower	Upper
76	100		
44	37.1	15.7	23.5#
78	15.2	7.8	11.8#



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: 0.299 ppbv

RT: 5.04 min Scan# 702

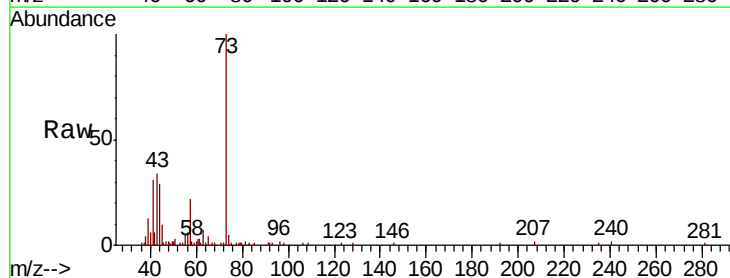
Delta R.T. 0.02 min

Lab File: VL038815.D

Acq: 5 Apr 2022 17:50

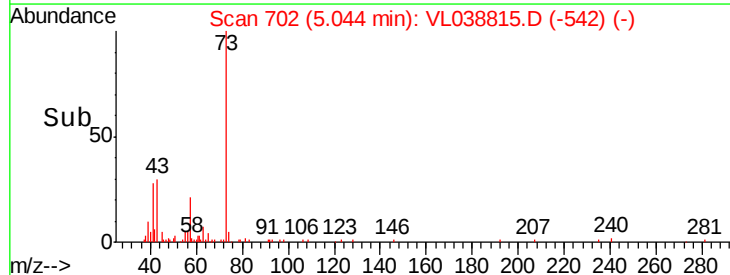
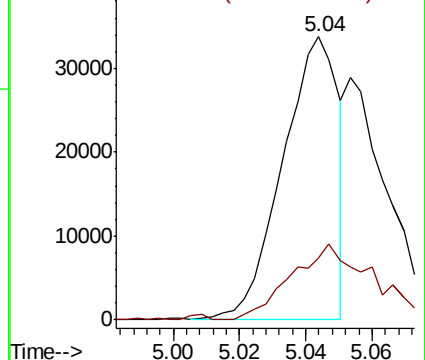
Tgt Ion: 73 Resp: 39634

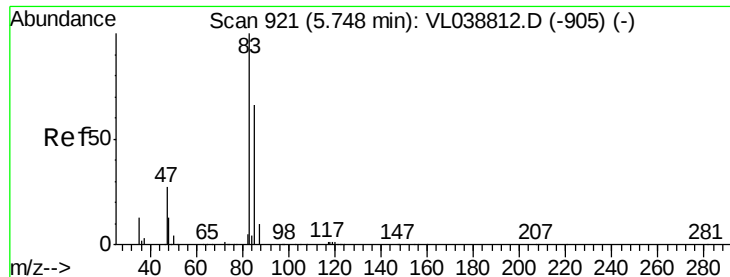
Ion	Ratio	Lower	Upper
73	100		
57	46.5	19.7	29.5#



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 0.493 ppbv

RT: 5.75 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

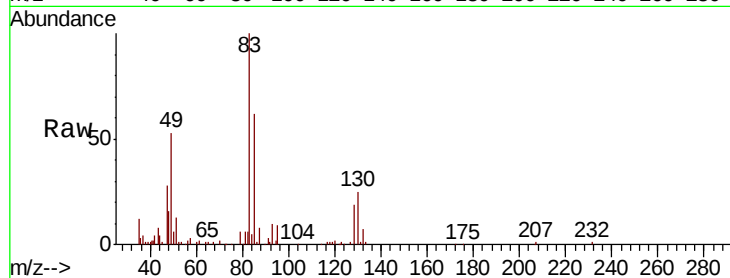
Acq: 5 Apr 2022 17:50

Tot Ion: 83 Resp: 118420

Ion Ratio Lower Upper

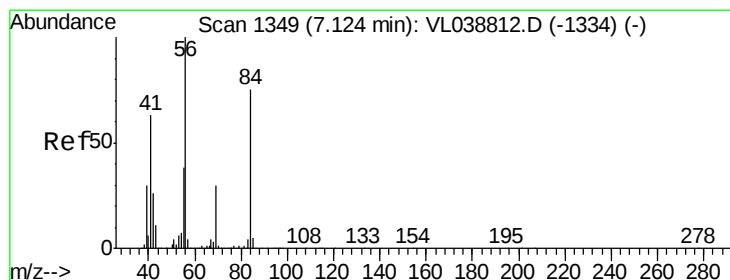
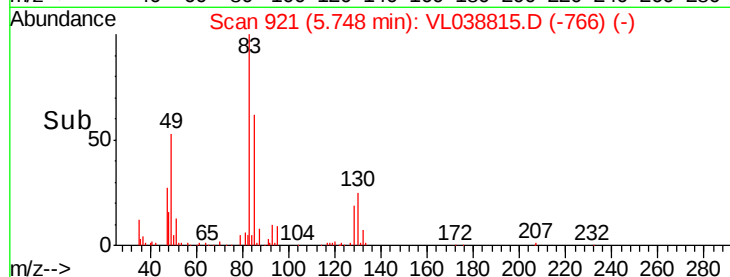
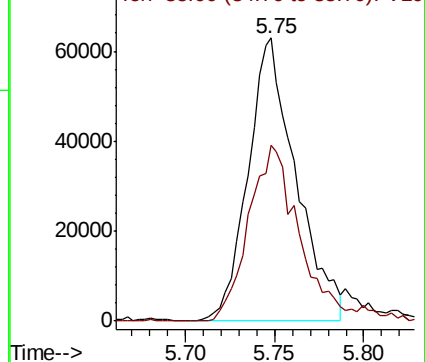
83 100

85 62.3 52.5 78.7



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 0.530 ppbv

RT: 7.12 min Scan# 1349

Delta R.T. -0.00 min

Lab File: VL038815.D

Acq: 5 Apr 2022 17:50

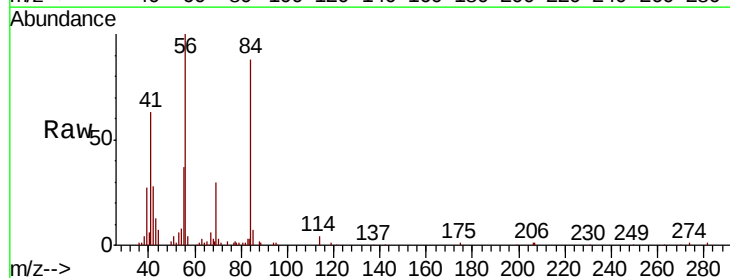
Tgt Ion: 84 Resp: 80220

Ion Ratio Lower Upper

84 100

56 119.4 114.4 171.6

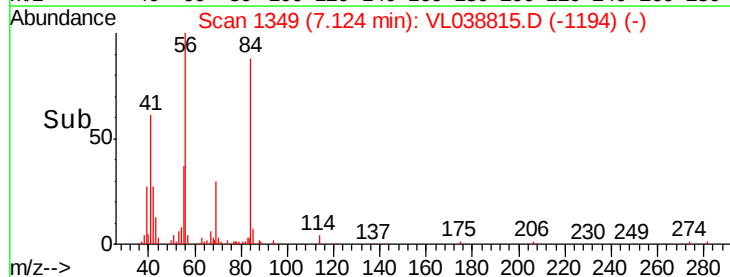
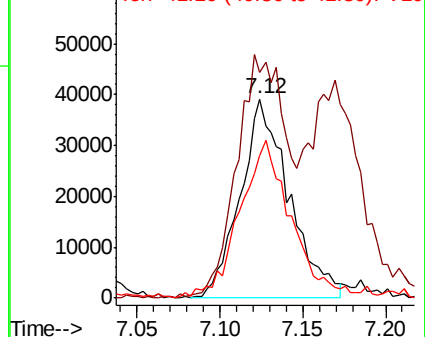
41 79.8 69.0 103.4

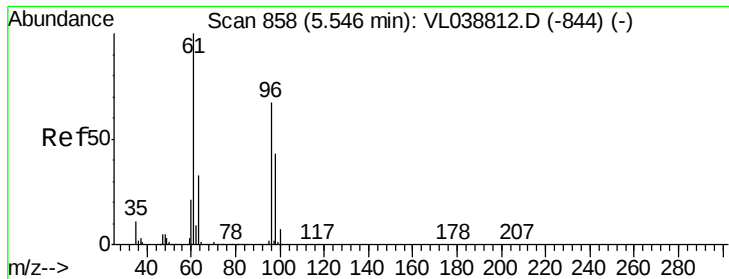


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

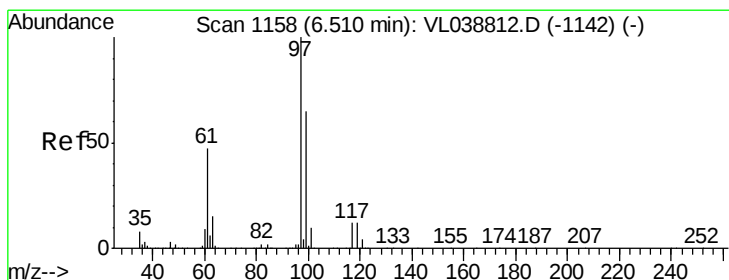
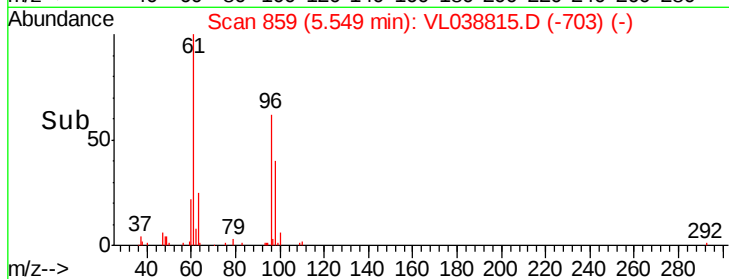
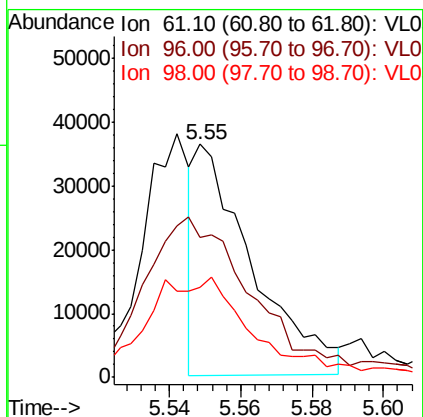
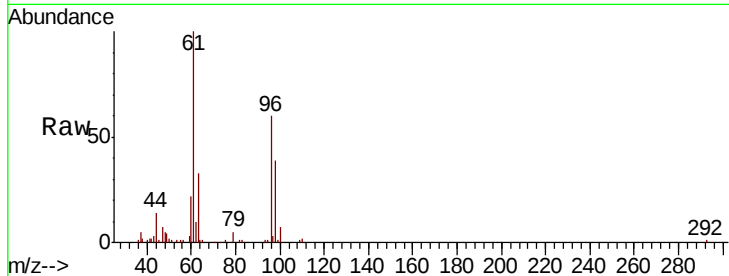
Ion 41.10 (40.80 to 41.80): VL0





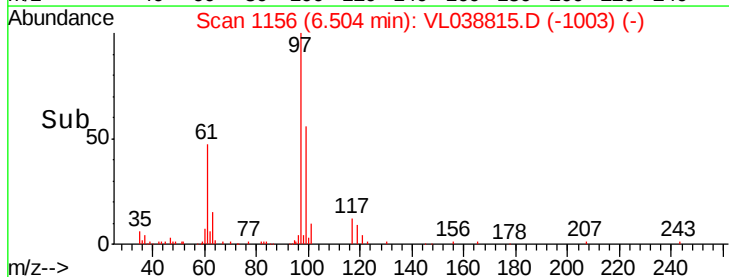
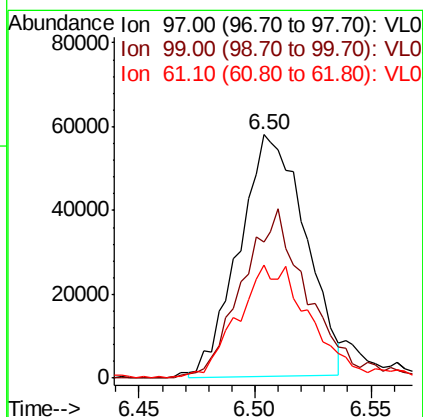
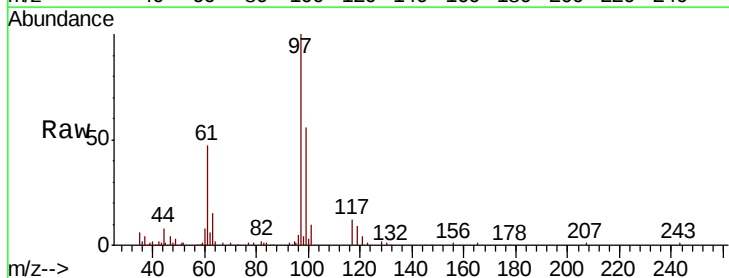
#31
 cis-1,2-Dichloroethene
 Concen: 0.254 ppbv
 RT: 5.55
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 Apr 2022 17:50

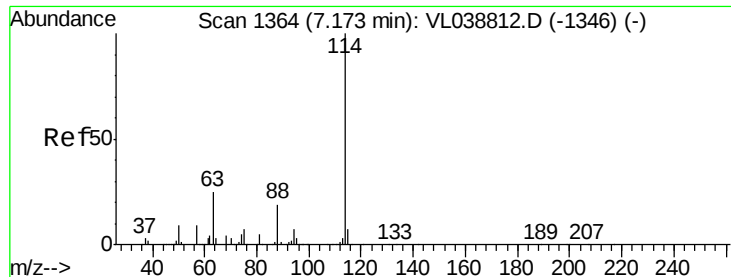
Tot Ion	61	Resp	40068
Ion Ratio	Lower	Upper	
61	100		
96	58.4	53.4	80.0
98	37.7	34.2	51.4



#32
 1,1,1-Trichloroethane
 Concen: 0.474 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: VL038815.D
 Acq: 5 Apr 2022 17:50

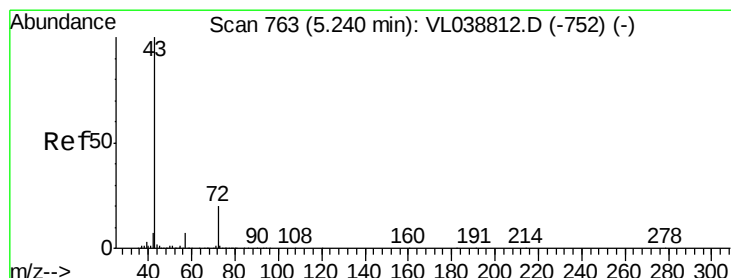
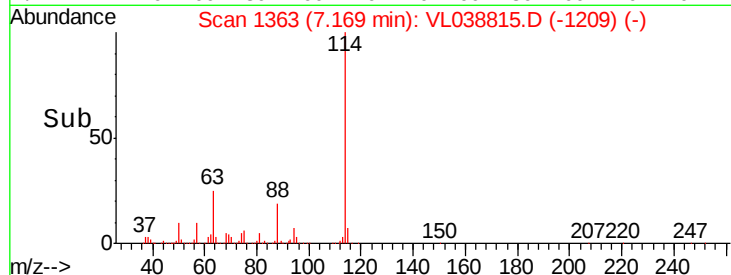
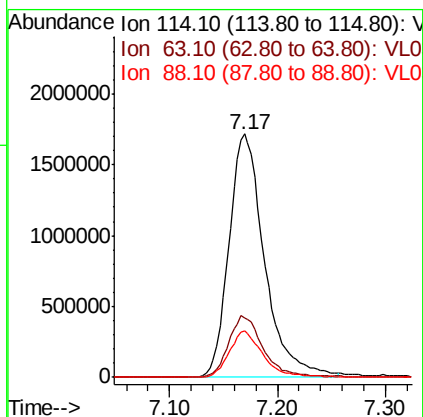
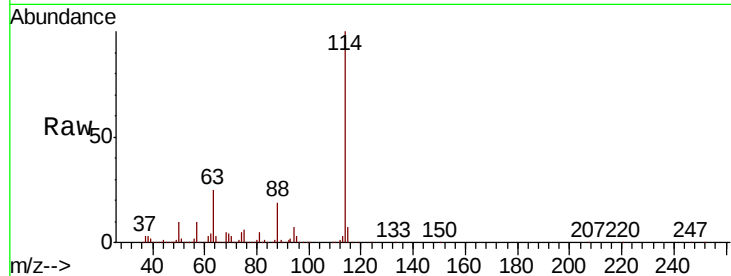
Tgt Ion	97	Resp	114671
Ion Ratio	Lower	Upper	
97	100		
99	71.6	52.4	78.6
61	52.9	38.6	57.8





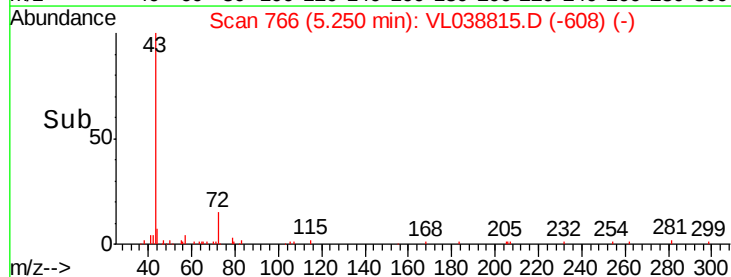
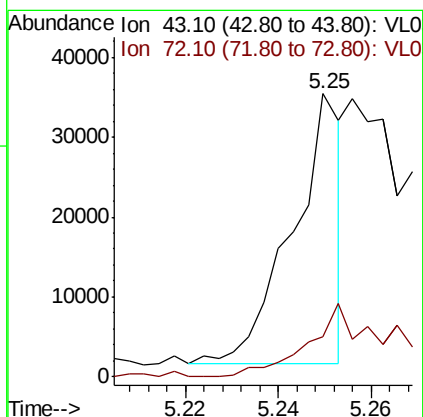
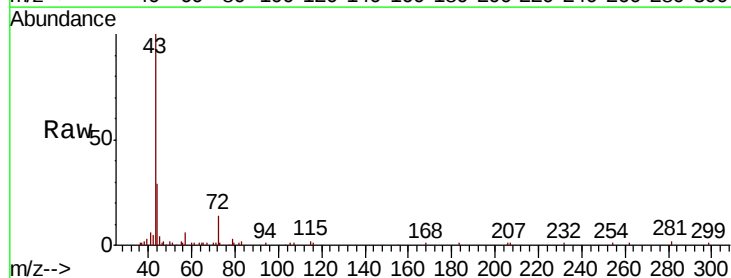
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Delta R.T.:
 Lab File: MSVOA_1
 ClientSampleId:
 VSTDIC0.5
 Acq: 5 Apr 2022 17:50

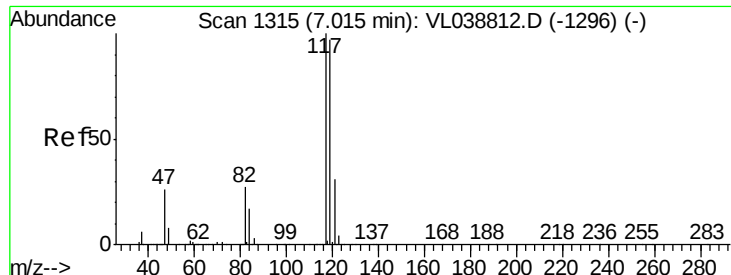
Tot Ion:114 Resp: 3943401
 Ion Ratio Lower Upper
 114 100
 63 25.0 19.8 29.8
 88 18.4 14.2 21.4



#34
 2-Butanone
 Concen: 0.160 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T.: 0.01 min
 Lab File: VL038815.D
 Acq: 5 Apr 2022 17:50

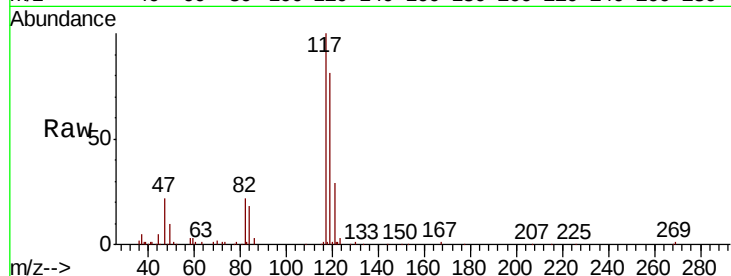
Tgt Ion: 43 Resp: 24991
 Ion Ratio Lower Upper
 43 100
 72 68.8 16.9 25.3#



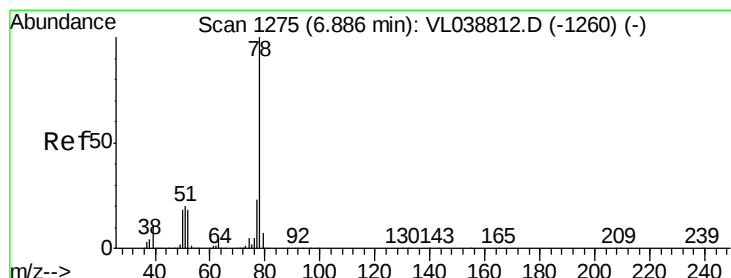
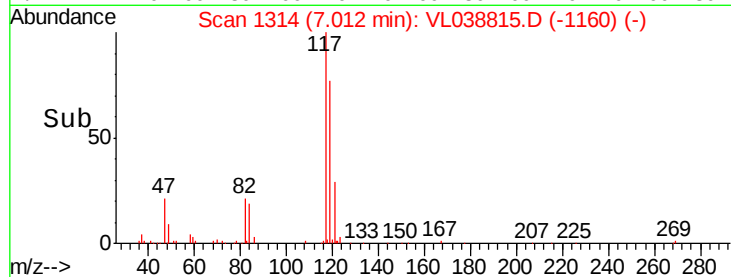
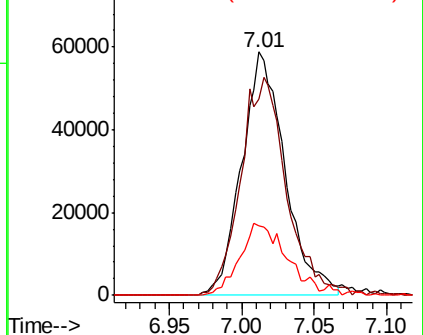


#35
 Carbon Tetrachloride
 Concen: 0.518 ppbv
 RT: 7.01
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 Apr 2022 17:50

Tot Ion	Ratio	Lower	Upper
117	100		
119	80.8	77.7	116.5
121	28.5	24.5	36.7

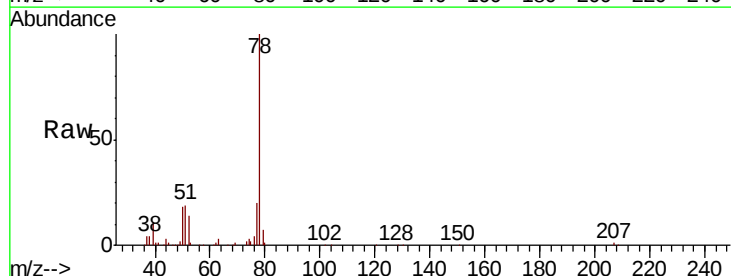


Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V
 Ion 121.00 (120.70 to 121.70): V

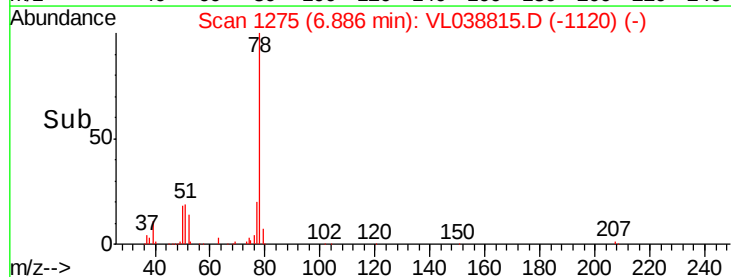
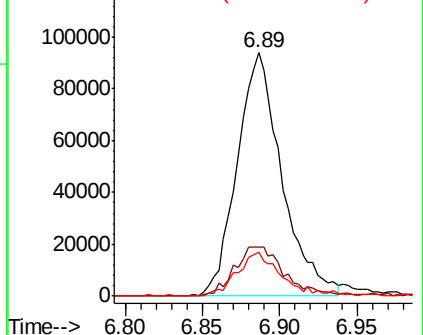


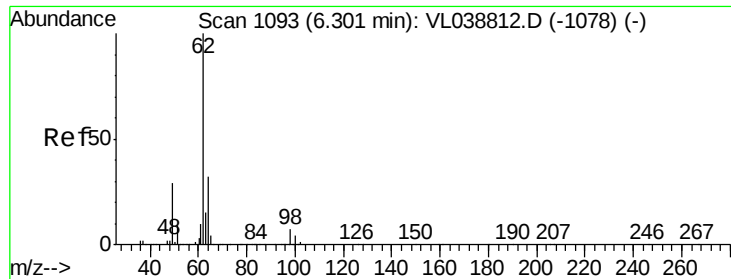
#36
 Benzene
 Concen: 0.527 ppbv
 RT: 6.89 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VL038815.D
 Acq: 5 Apr 2022 17:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.3	18.2	27.2
50	17.9	14.0	21.0



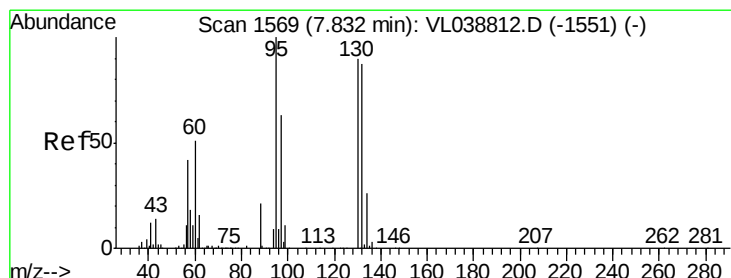
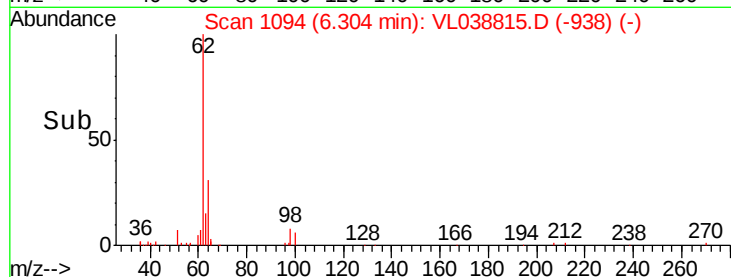
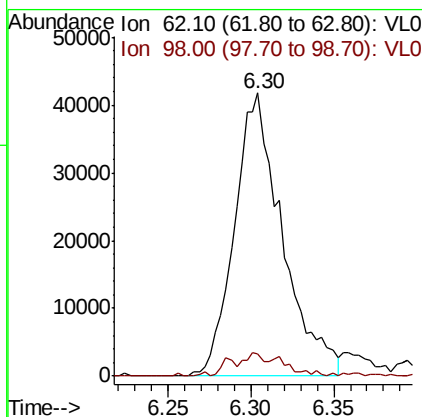
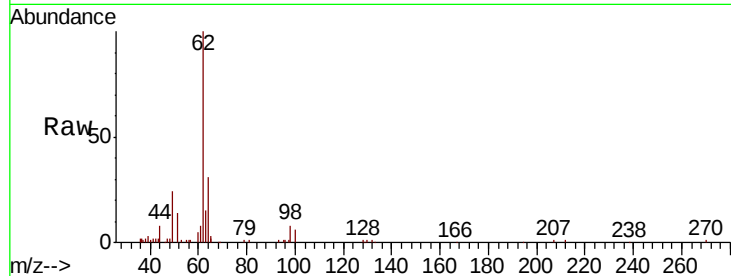
Abundance Ion 78.10 (77.80 to 78.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0
 Ion 50.10 (49.80 to 50.80): VL0





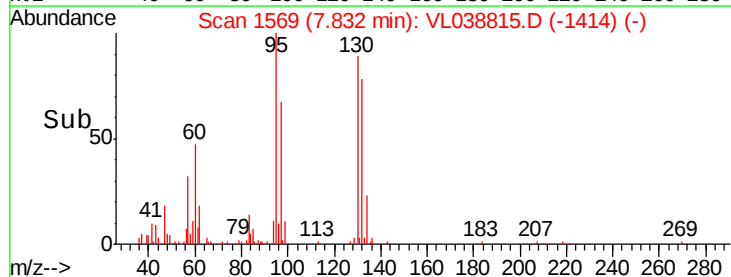
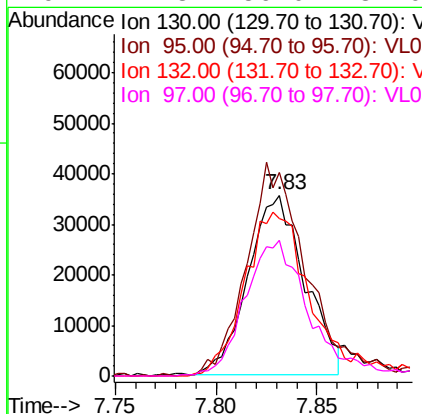
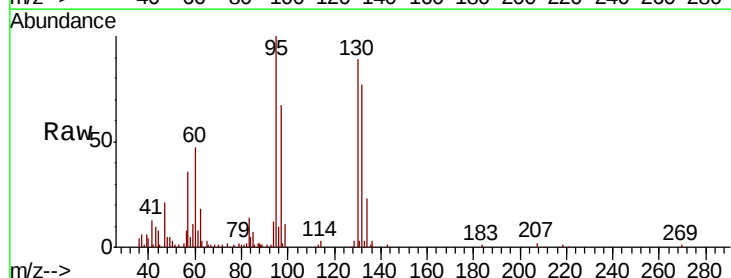
#37
 1,2-Dichloroethane
 Concen: 0.512 ppbv
 RT: 6.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC0.5
 Acq: 5 Apr 2022 17:50

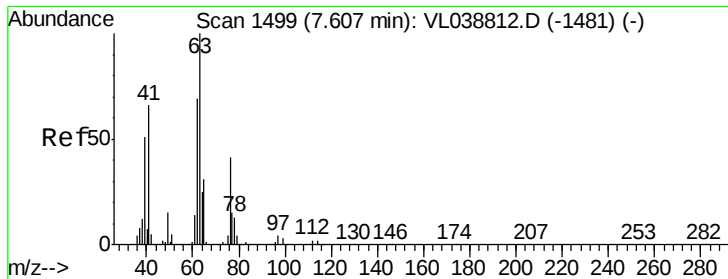
Tot Ion: 62 Resp: 83968
 Ion Ratio Lower Upper
 62 100
 98 9.3 5.9 8.9#



#38
 Trichloroethene
 Concen: 0.477 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VL038815.D
 Acq: 5 Apr 2022 17:50

Tgt Ion:130 Resp: 70241
 Ion Ratio Lower Upper
 130 100
 95 112.8 89.4 134.0
 132 87.6 77.7 116.5
 97 74.8 56.0 84.0





#39

1,2-Dichloropropane

Concen: 0.524 ppbv

RT: 7.61 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 5 Apr 2022 17:50

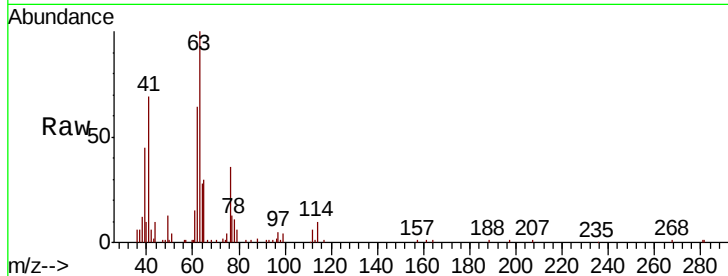
Tot Ion: 63 Resp: 71879

Ion Ratio Lower Upper

63 100

41 68.7 53.0 79.6

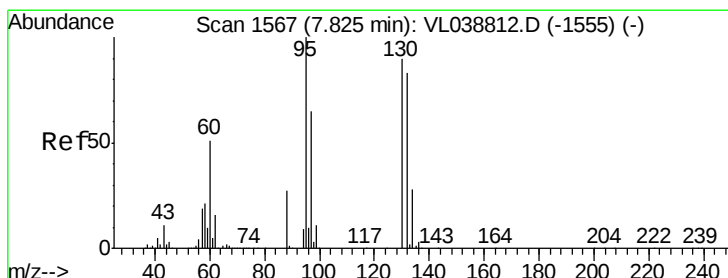
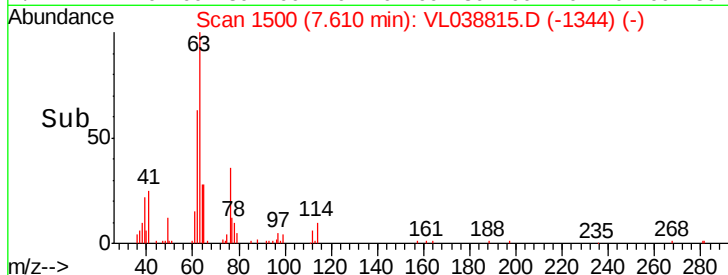
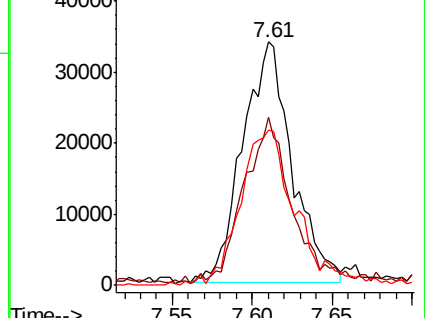
62 64.2 55.0 82.4



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: 0.003 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VL038815.D

Acq: 5 Apr 2022 17:50

Tgt Ion: 88 Resp: 125

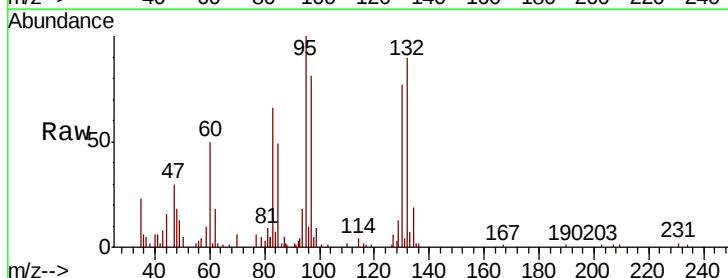
Ion Ratio Lower Upper

88 100

58 0.0 49.4 74.0#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

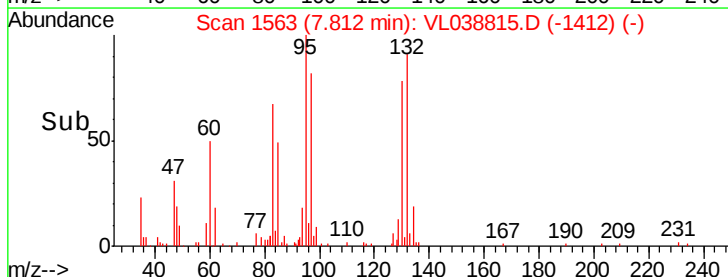
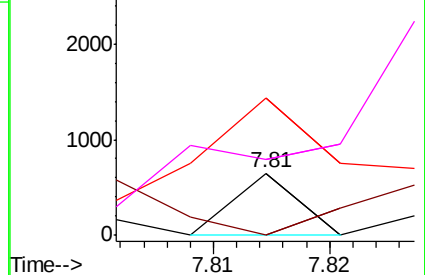


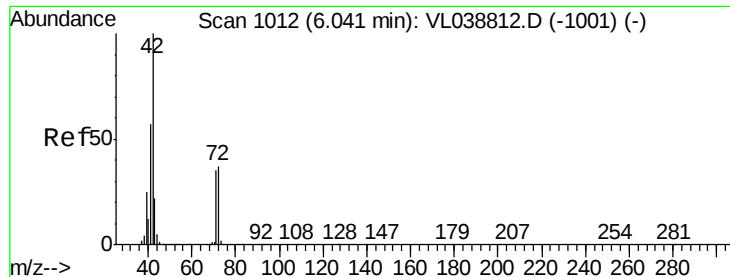
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 0.292 ppbv

RT: 6.07 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 5 Apr 2022 17:50

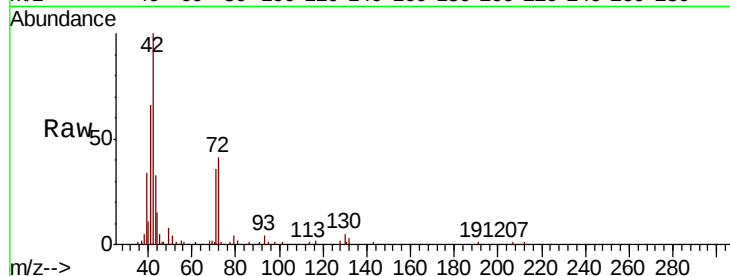
Tot Ion: 42 Resp: 43189

Ion Ratio Lower Upper

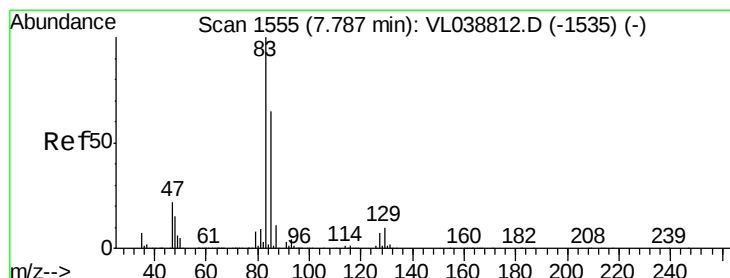
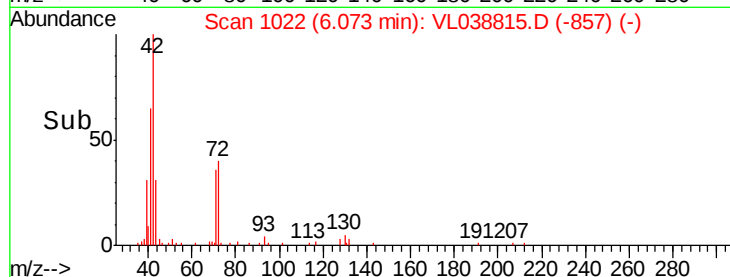
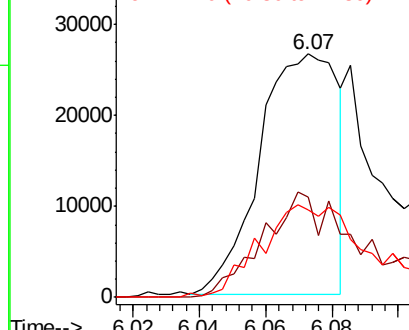
42 100

72 70.1 31.4 47.0#

71 68.8 30.2 45.4#



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: 0.511 ppbv

RT: 7.78 min Scan# 1553

Delta R.T. -0.01 min

Lab File: VL038815.D

Acq: 5 Apr 2022 17:50

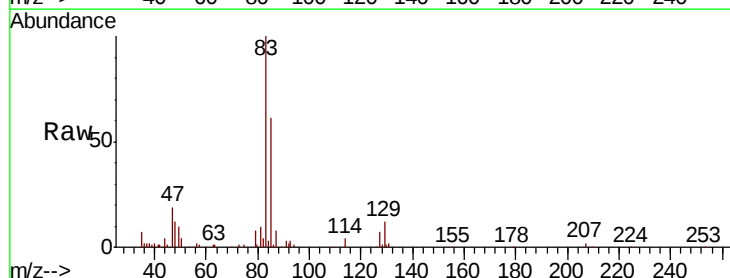
Tgt Ion: 83 Resp: 132368

Ion Ratio Lower Upper

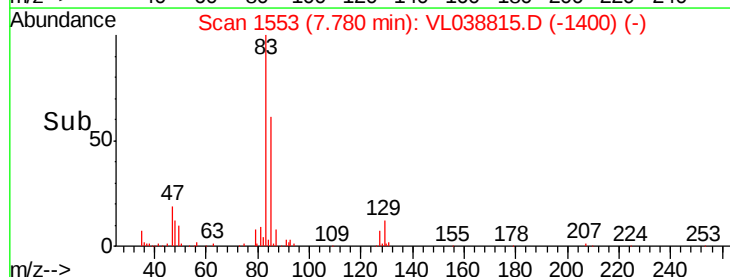
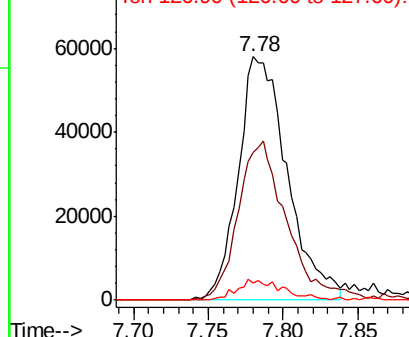
83 100

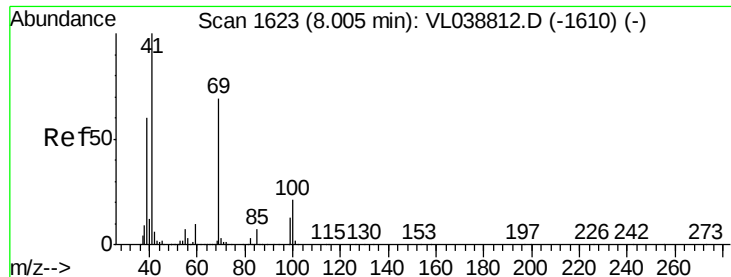
85 60.8 51.7 77.5

127 6.8 5.9 8.9



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: 0.479 ppbv

RT: 8.01

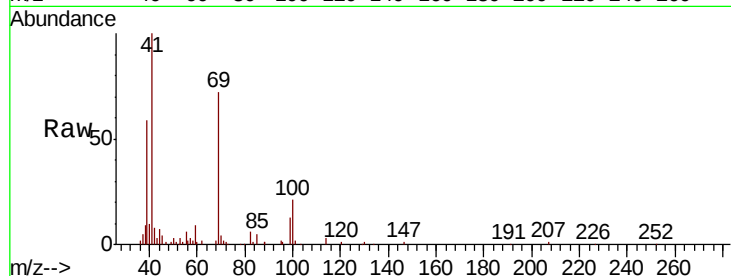
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 Apr 2022 17:50

Tot Ion: 69 Resp: 65834

Ion	Ratio	Lower	Upper
69	100		
41	154.6	119.0	178.4
100	36.2	26.4	39.6

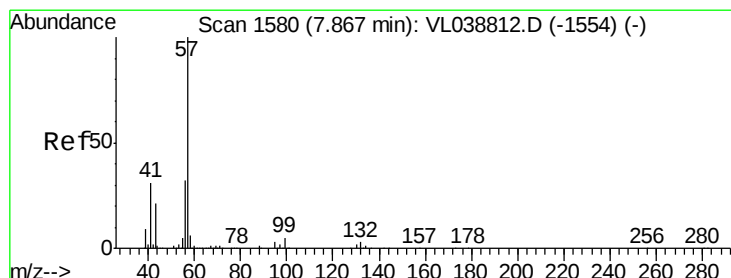
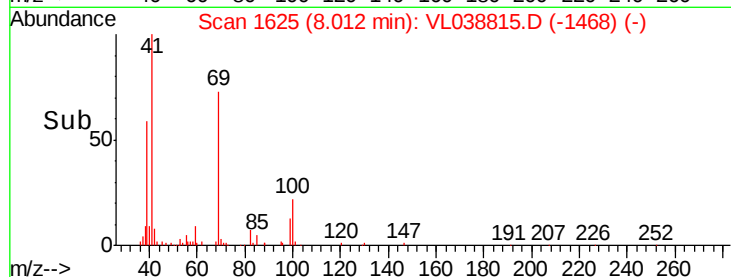
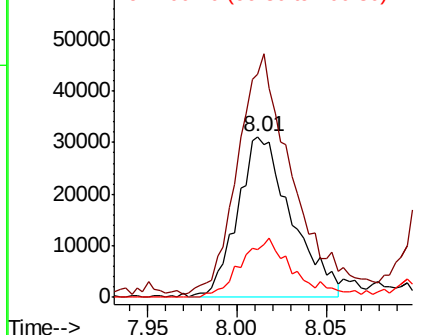


Abundance

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: 0.540 ppbv

RT: 7.87 min Scan# 1580

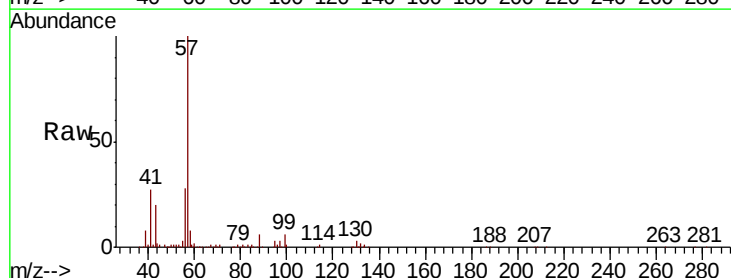
Delta R.T. -0.00 min

Lab File: VL038815.D

Acq: 5 Apr 2022 17:50

Tgt Ion: 57 Resp: 327895

Ion	Ratio	Lower	Upper
57	100		
41	30.6	25.0	37.4
56	32.5	25.3	37.9

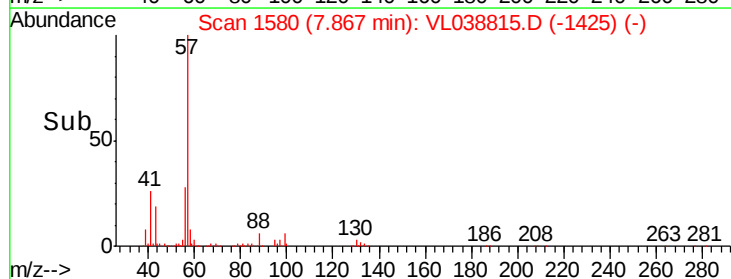
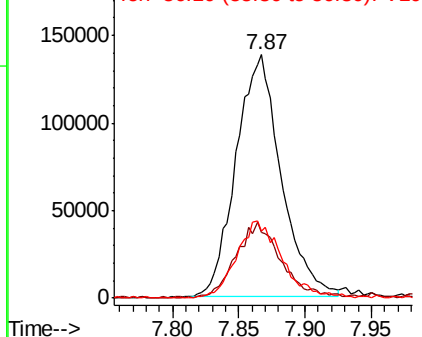


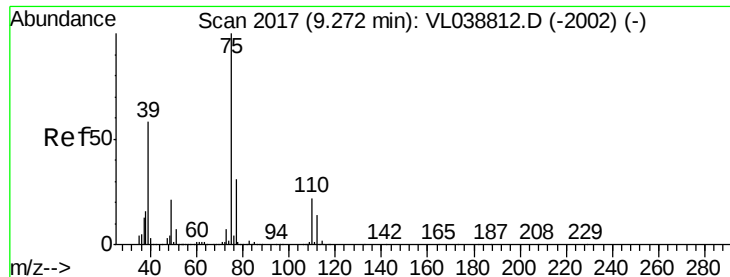
Abundance

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: 0.430 ppbv

RT: 9.28 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC0.5

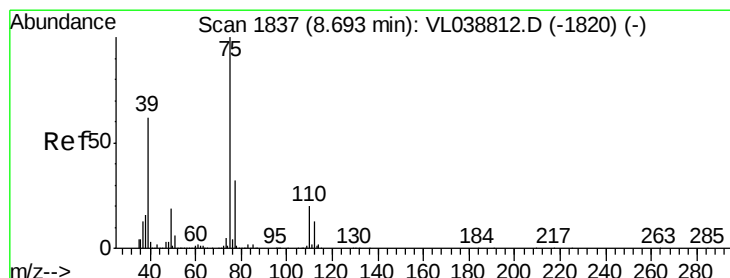
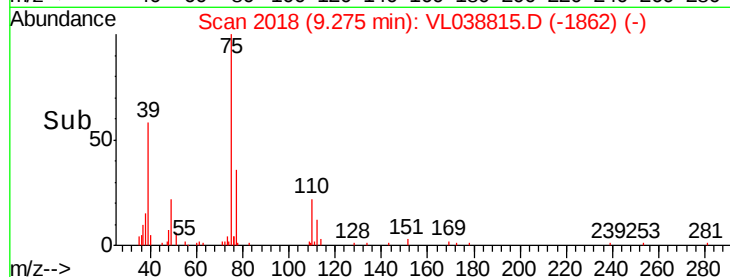
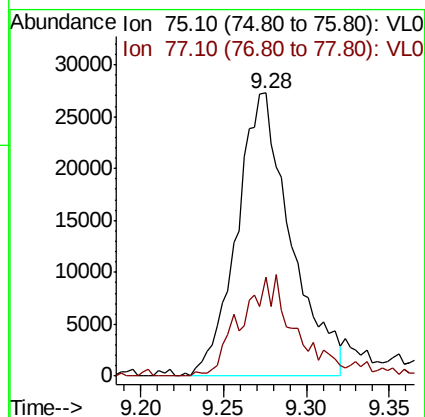
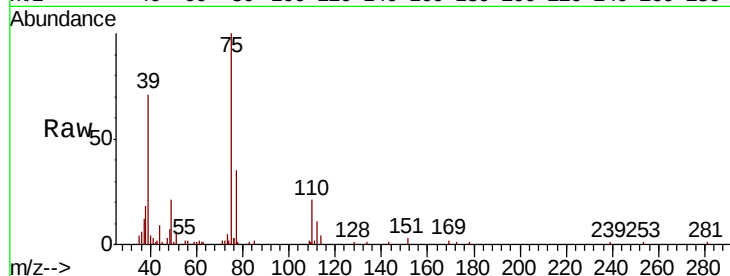
Acq: 5 Apr 2022 17:50

Tot Ion: 75 Resp: 61820

Ion Ratio Lower Upper

75 100

77 34.8 25.0 37.4



#46

cis-1,3-Dichloropropene

Concen: 0.446 ppbv

RT: 8.69 min Scan# 1837

Delta R.T. -0.00 min

Lab File: VL038815.D

Acq: 5 Apr 2022 17:50

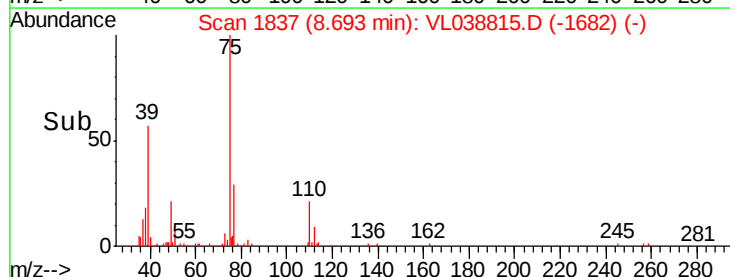
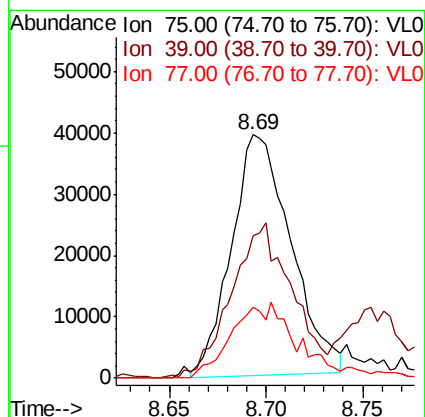
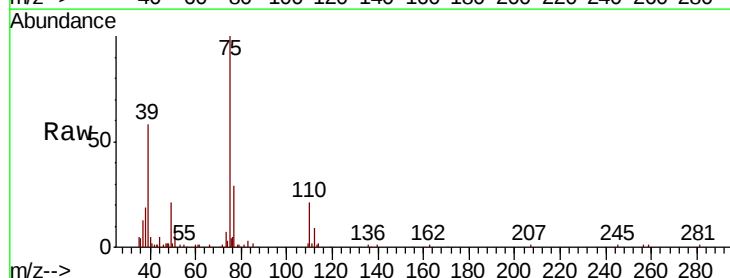
Tgt Ion: 75 Resp: 84493

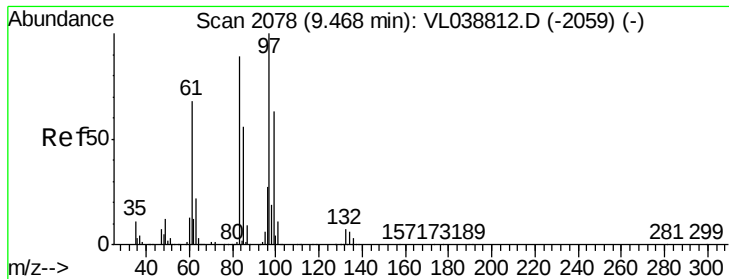
Ion Ratio Lower Upper

75 100

39 57.0 49.7 74.5

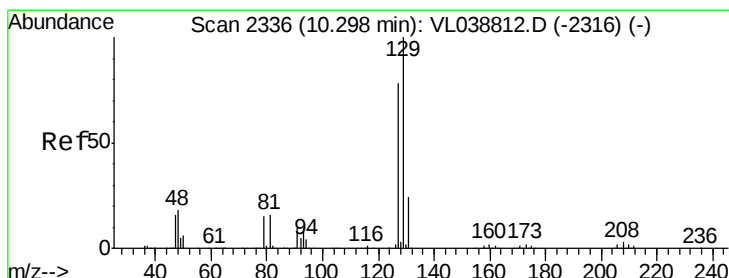
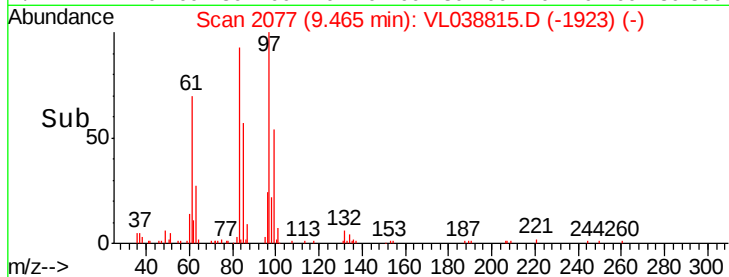
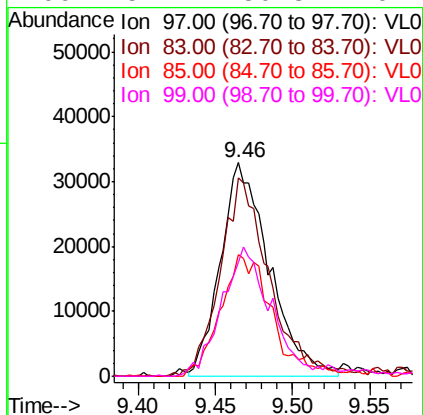
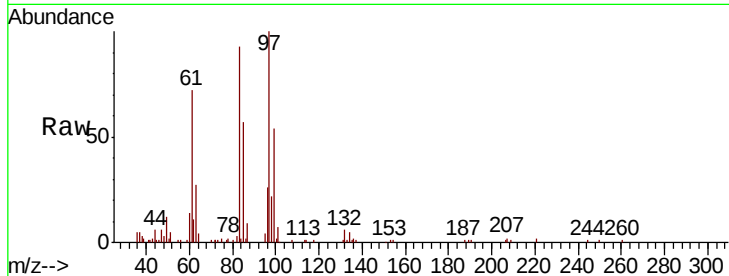
77 29.7 25.6 38.4





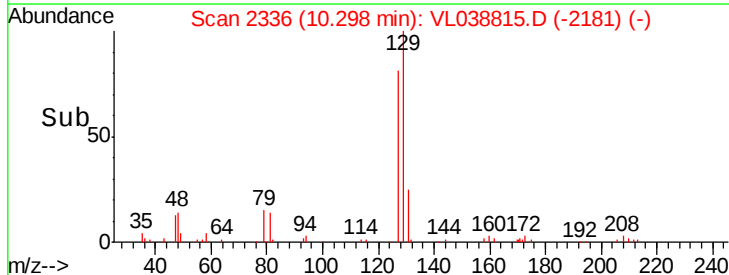
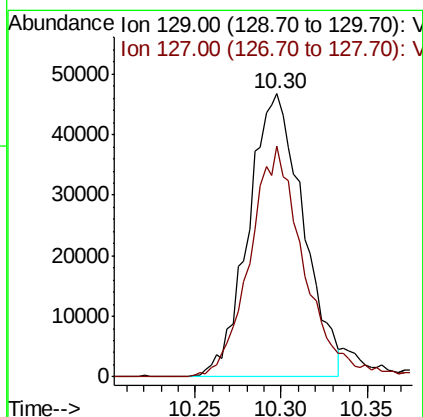
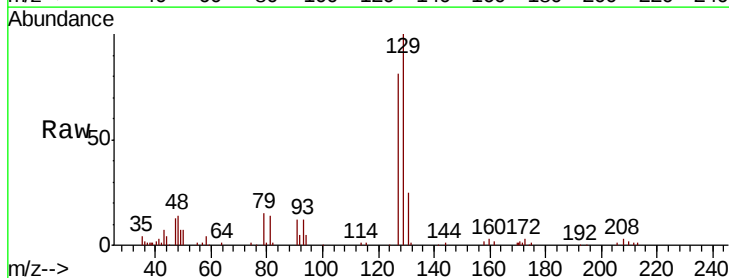
#47
 1,1,2-Trichloroethane
 Concen: 0.512 ppbv
 RT: 9.46 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 5 Apr 2022 17:50

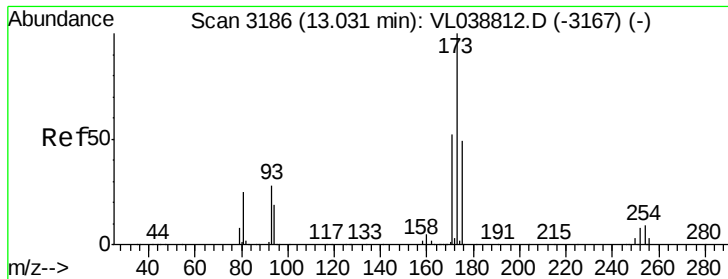
Tot Ion:	97	Resp:	71979
Ion	Ratio	Lower	Upper
97	100		
83	92.3	71.1	106.7
85	56.1	45.1	67.7
99	52.4	50.8	76.2



#48
 Dibromochloromethane
 Concen: 0.468 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: VL038815.D
 Acq: 5 Apr 2022 17:50

Tgt Ion:	129	Resp:	103169
Ion	Ratio	Lower	Upper
129	100		
127	80.4	38.9	116.6





#49

Bromoform

Concen: 0.456 ppbv

RT: 13.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 Apr 2022 17:50

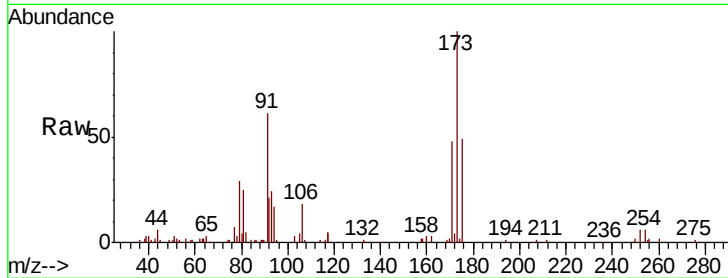
Tot Ion:173 Resp: 79629

Ion Ratio Lower Upper

173 100

175 52.9 39.9 59.9

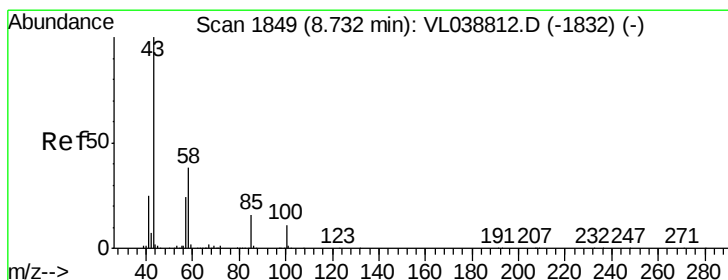
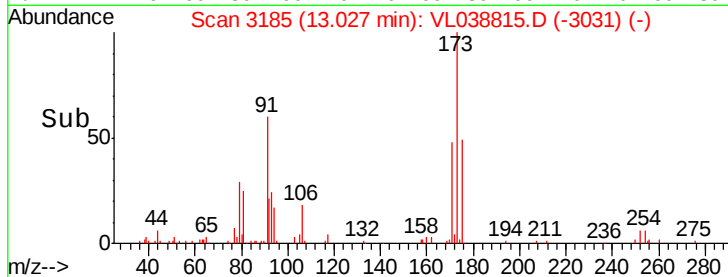
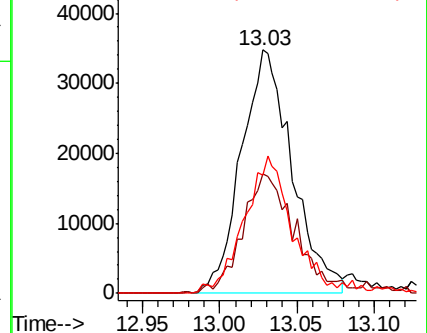
171 55.7 43.4 65.0



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: 0.466 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.02 min

Lab File: VL038815.D

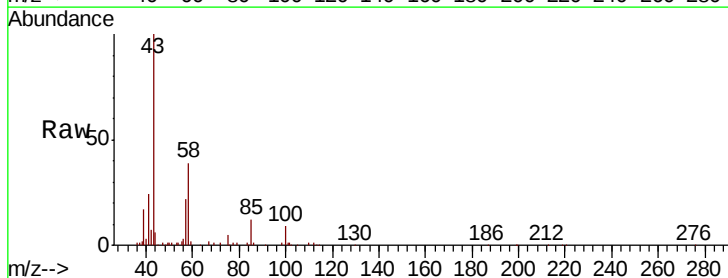
Acq: 5 Apr 2022 17:50

Tgt Ion: 43 Resp: 163419

Ion Ratio Lower Upper

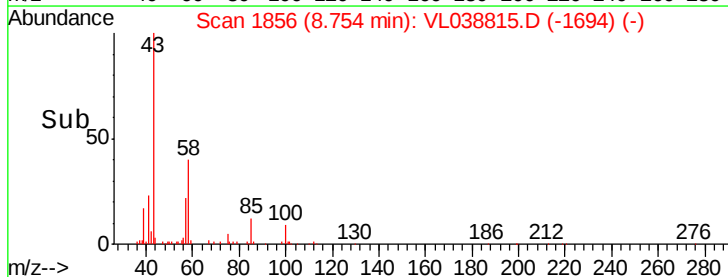
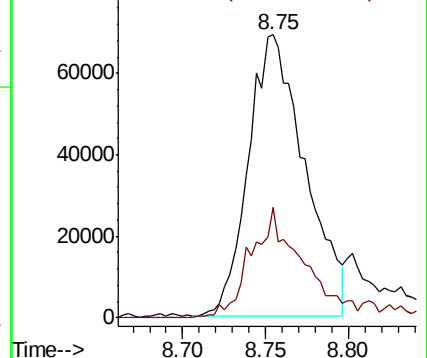
43 100

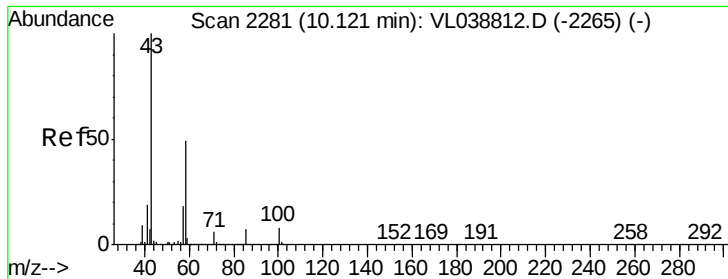
58 35.8 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

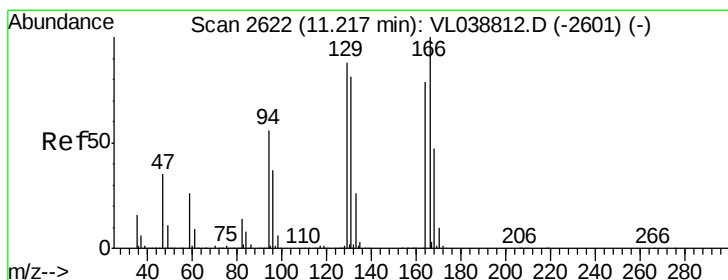
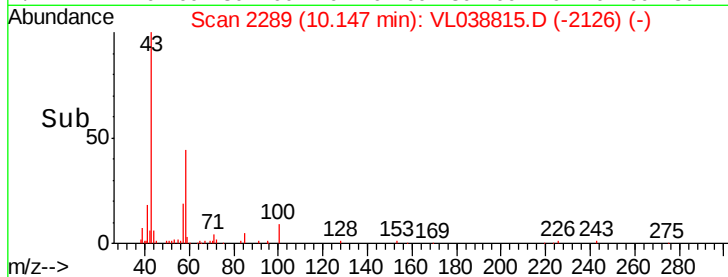
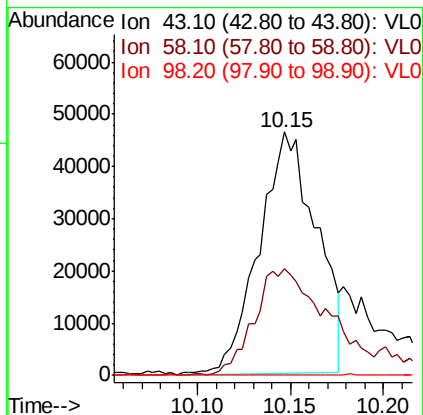
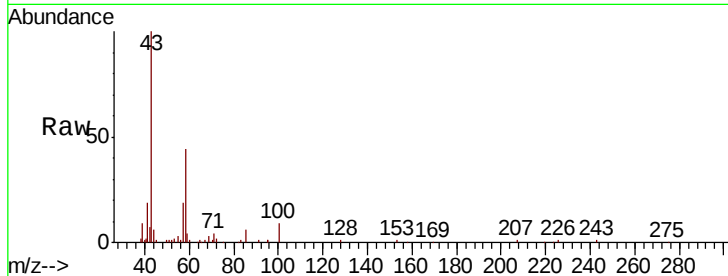
Ion 58.10 (57.80 to 58.80): VL0





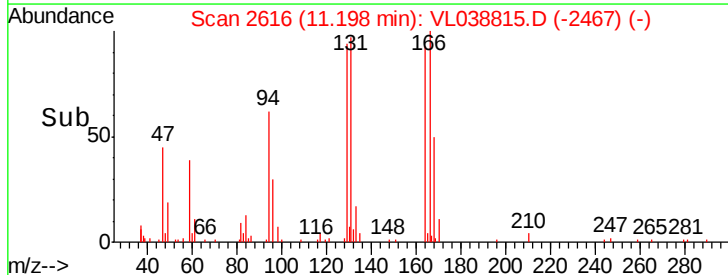
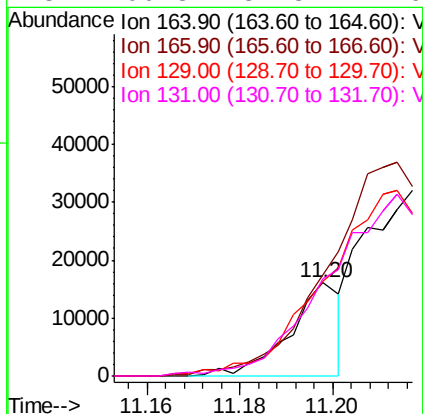
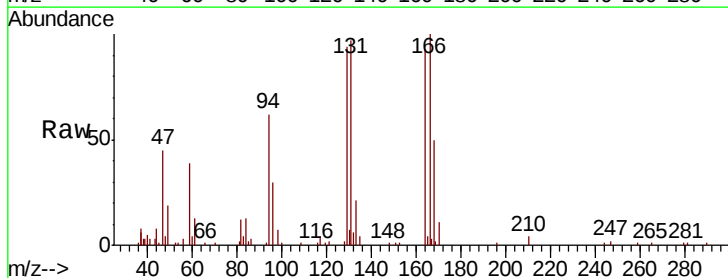
#51
2-Hexanone
Concen: 0.379 ppbv
RT: 10.15 min
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 5 Apr 2022 17:50

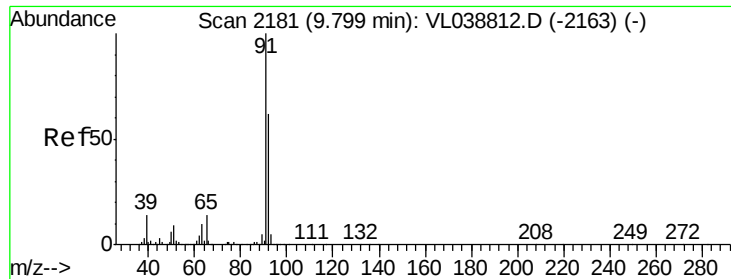
Tot Ion: 43 Resp: 100077
Ion Ratio Lower Upper
43 100
58 65.0 41.4 62.0#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.098 ppbv
RT: 11.20 min Scan# 2616
Delta R.T.: -0.02 min
Lab File: VL038815.D
Acq: 5 Apr 2022 17:50

Tgt Ion: 164 Resp: 12300
Ion Ratio Lower Upper
164 100
166 107.1 101.0 151.6
129 99.1 88.7 133.1
131 100.3 81.8 122.6





#53

Toluene

Concen: 0.524 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

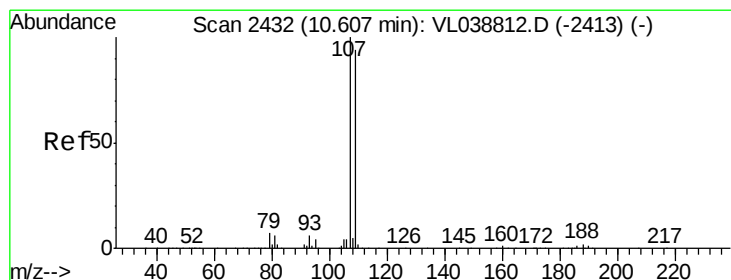
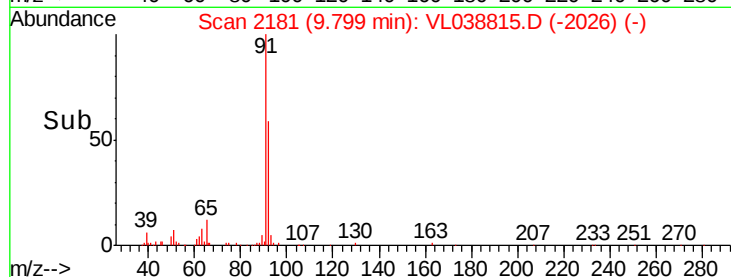
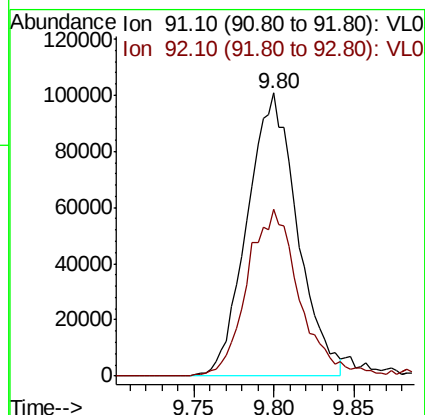
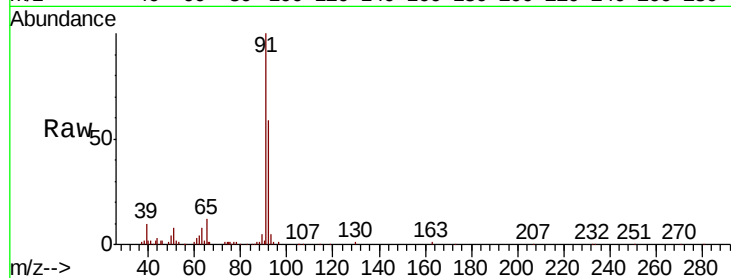
Acq: 5 Apr 2022 17:50

Tot Ion: 91 Resp: 217185

Ion Ratio Lower Upper

91 100

92 61.0 49.2 73.8



#54

1,2-Dibromoethane

Concen: 0.272 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. -0.01 min

Lab File: VL038815.D

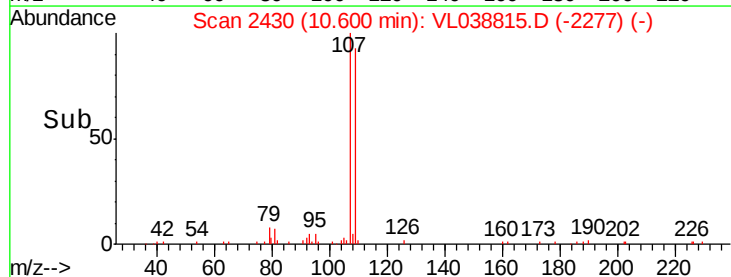
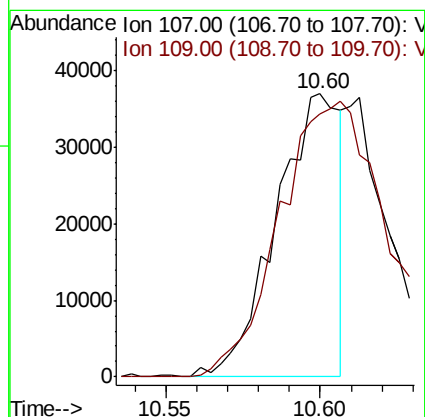
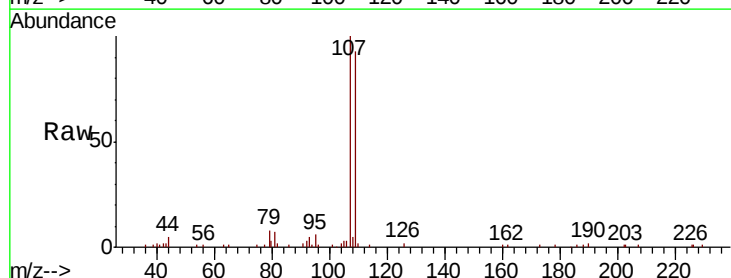
Acq: 5 Apr 2022 17:50

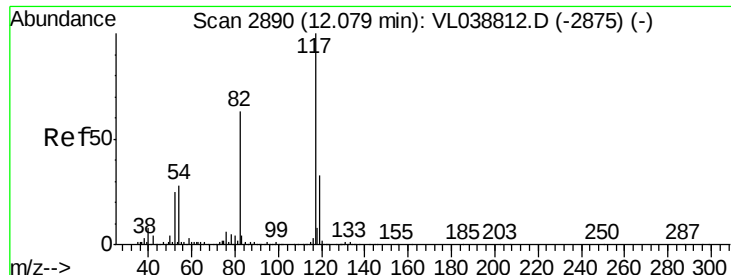
Tgt Ion: 107 Resp: 53094

Ion Ratio Lower Upper

107 100

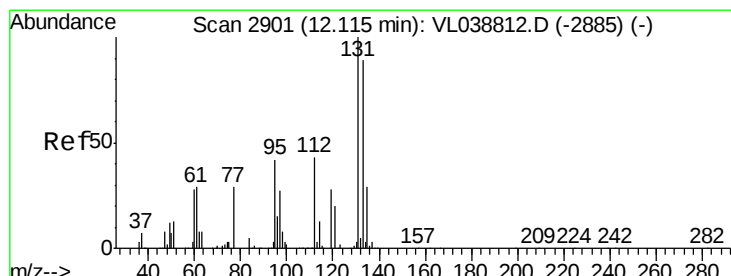
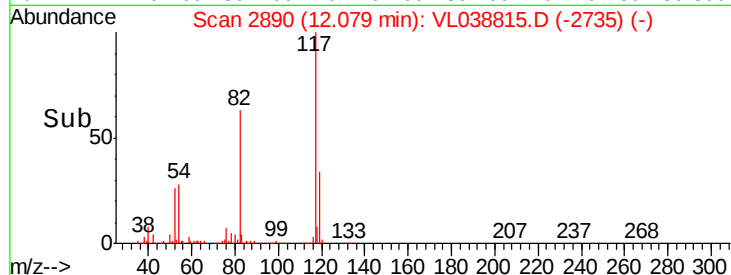
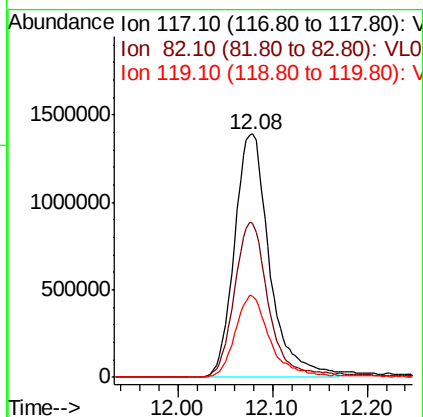
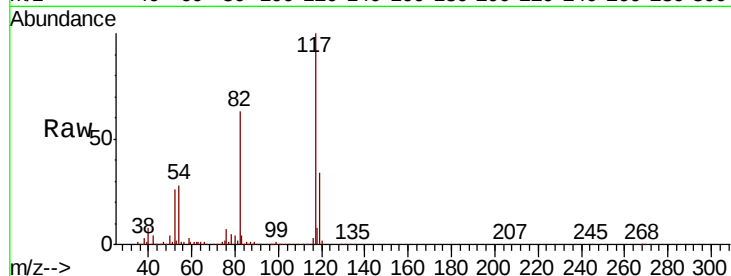
109 93.1 75.5 113.3





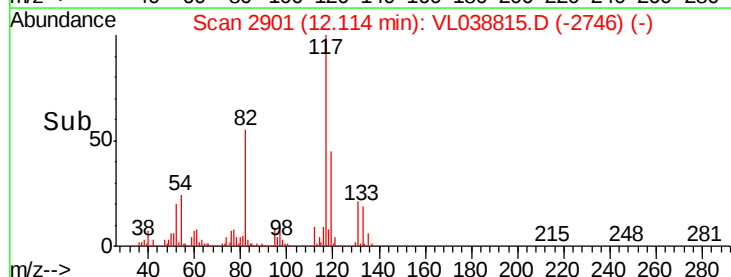
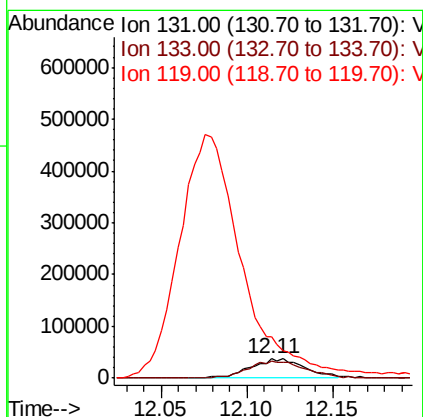
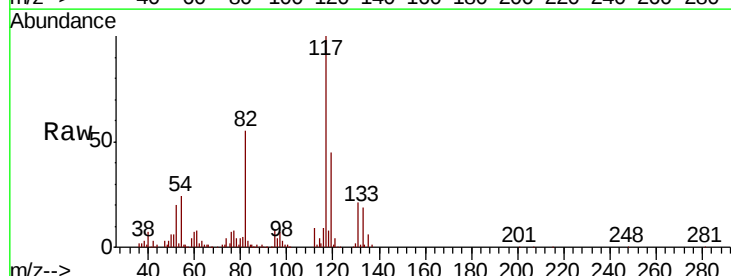
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 5 Apr 2022 17:50

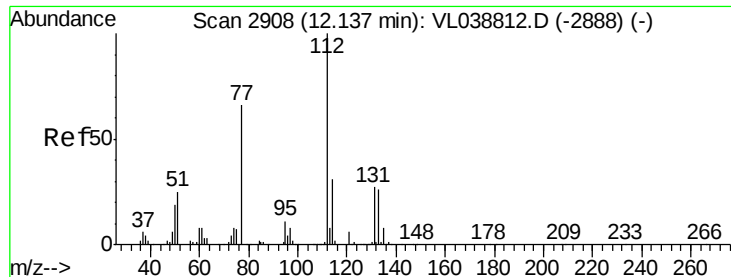
Tot Ion:117 Resp: 3594745
Ion Ratio Lower Upper
117 100
82 64.6 53.0 79.6
119 34.0 24.9 37.3



#56
1,1,1,2-Tetrachloroethane
Concen: 0.519 ppbv
RT: 12.11 min Scan# 2901
Delta R.T.: -0.00 min
Lab File: VL038815.D
Acq: 5 Apr 2022 17:50

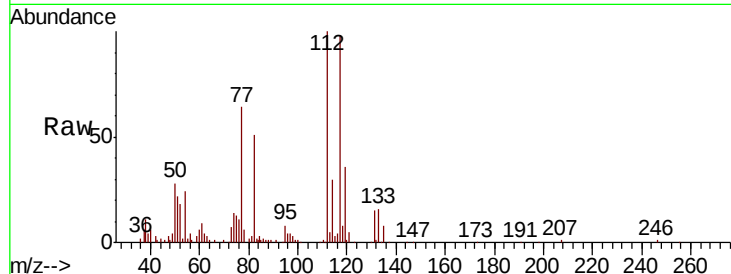
Tgt Ion:131 Resp: 81708
Ion Ratio Lower Upper
131 100
133 97.9 78.2 117.4
119 1496.0 58.6 87.8#





#57
Chlorobenzene
Concen: 0.541 ppbv
RT: 12.14 min
Delta R.T. MSVOA.L
Lab File: ClientSampleId :
Acq: 5 Apr 2022 17:50

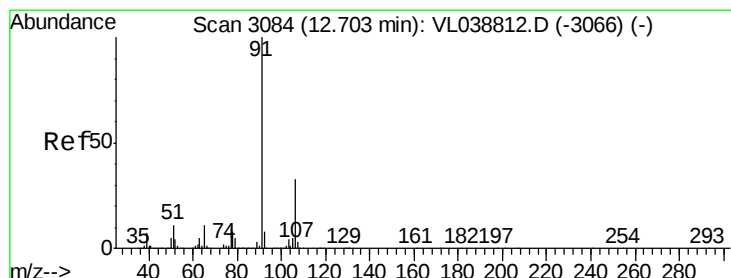
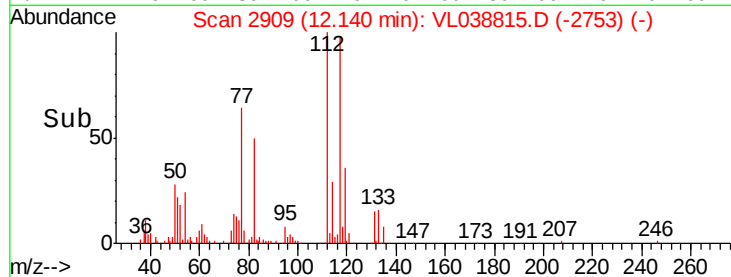
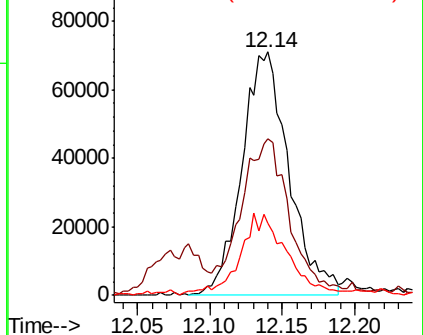
Tot Ion	Ratio	Lower	Upper
112	100		
77	60.7	52.4	78.6
114	28.2	28.1	34.3



Abundance Ion 112.10 (111.80 to 112.80): V

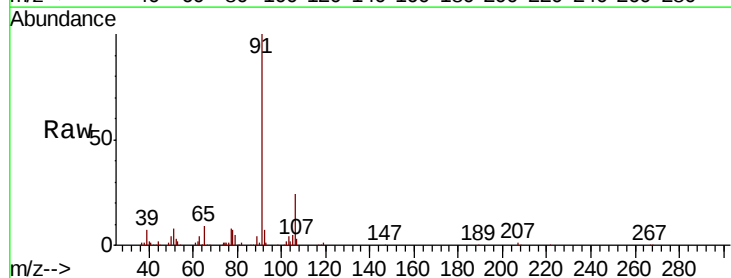
Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



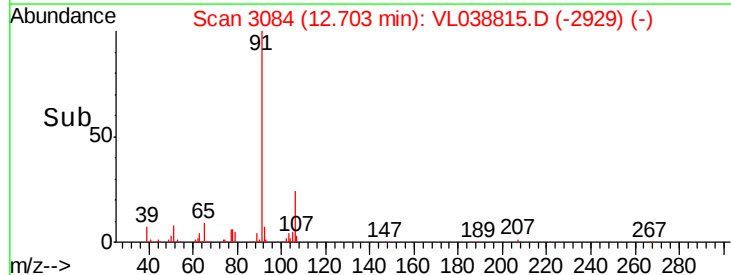
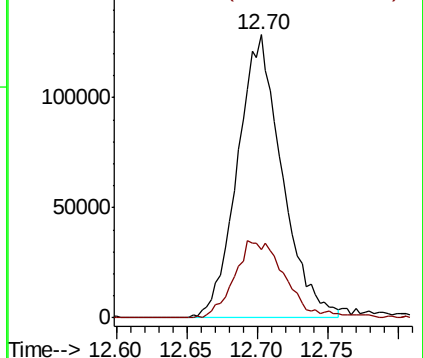
#58
Ethyl Benzene
Concen: 0.527 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. -0.00 min
Lab File: VL038815.D
Acq: 5 Apr 2022 17:50

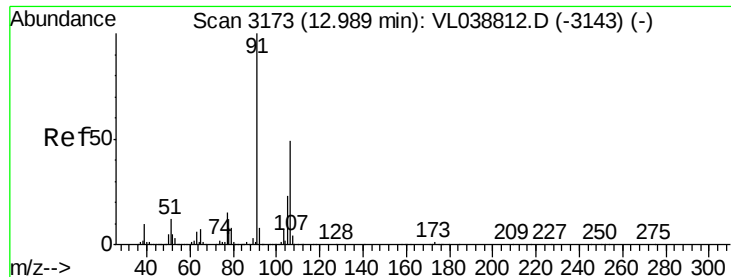
Tgt Ion	Ratio	Lower	Upper
91	100		
106	24.4	26.7	40.1#



Abundance Ion 91.10 (90.80 to 91.80): VL0

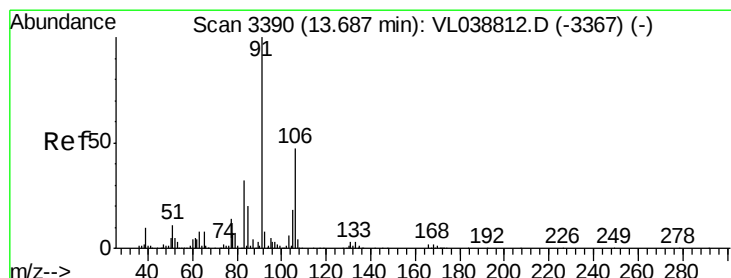
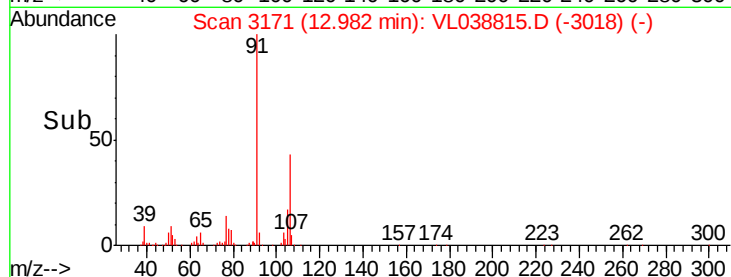
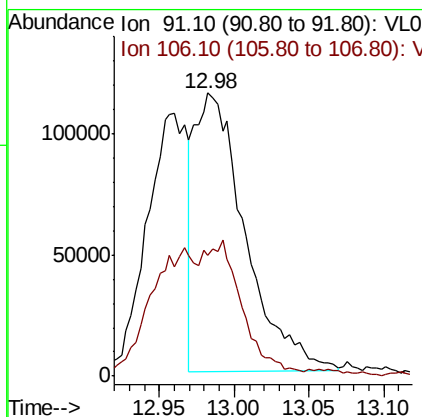
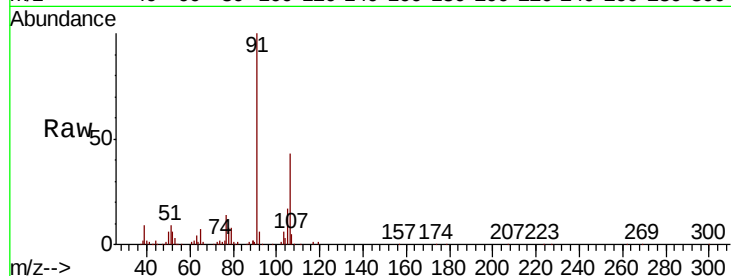
Ion 106.10 (105.80 to 106.80): V





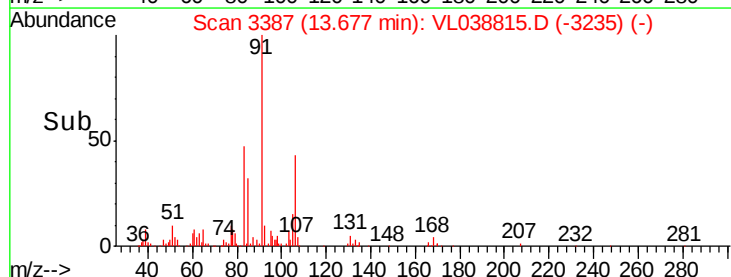
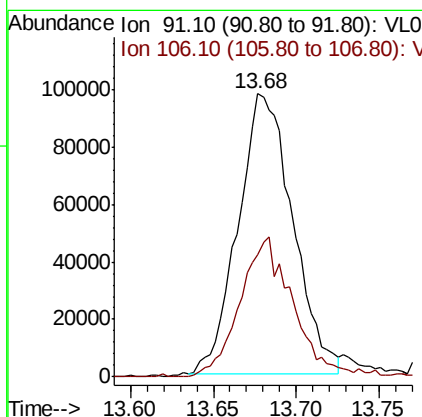
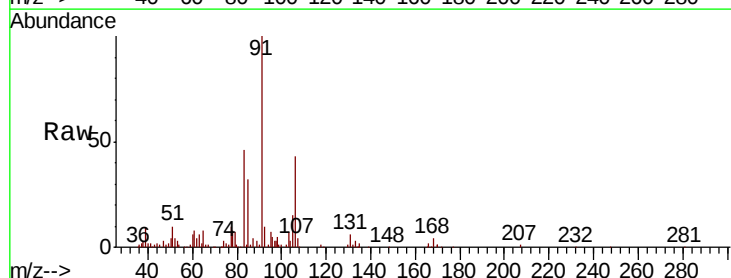
#59
m/p-Xylene
Concen: 0.598 ppbv
RT: 12.98 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 Apr 2022 17:50

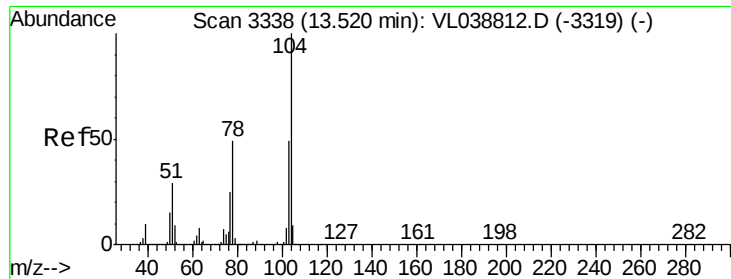
Tot Ion: 91 Resp: 270041
Ion Ratio Lower Upper
91 100
106 79.5 37.1 55.7#



#60
o-Xylene
Concen: 0.526 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.01 min
Lab File: VL038815.D
Acq: 5 Apr 2022 17:50

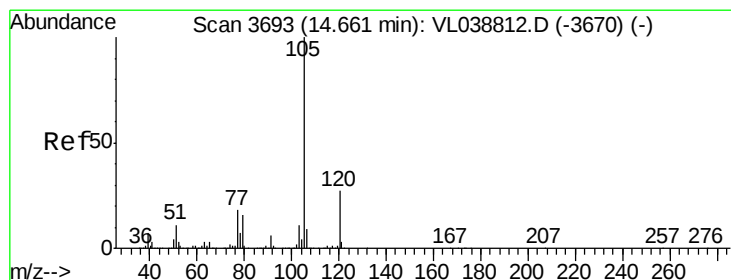
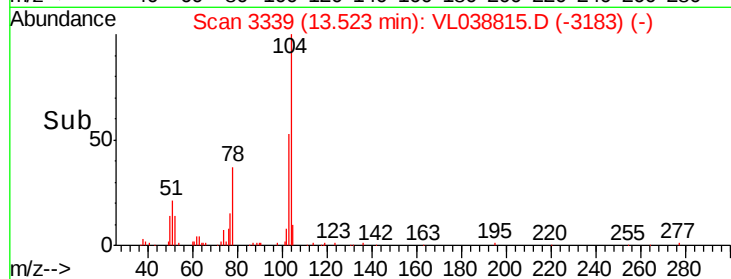
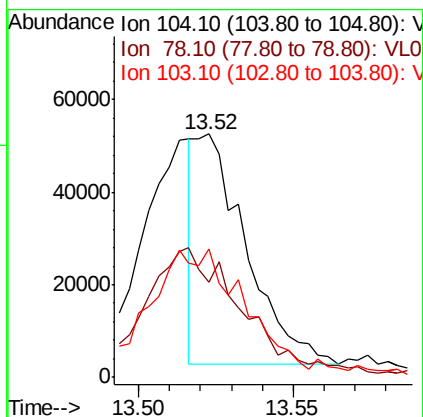
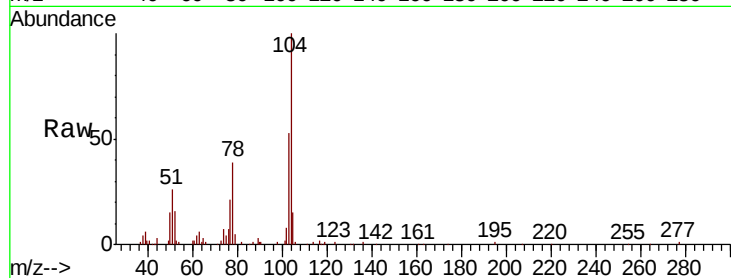
Tgt Ion: 91 Resp: 221910
Ion Ratio Lower Upper
91 100
106 50.5 23.8 71.4





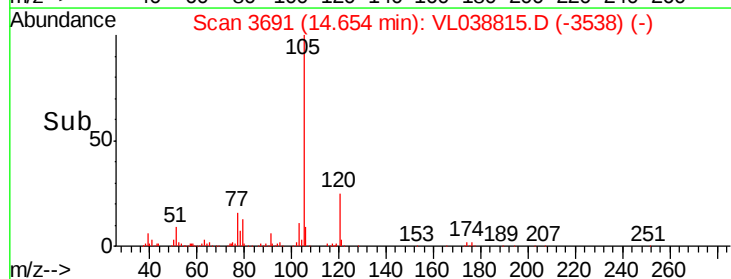
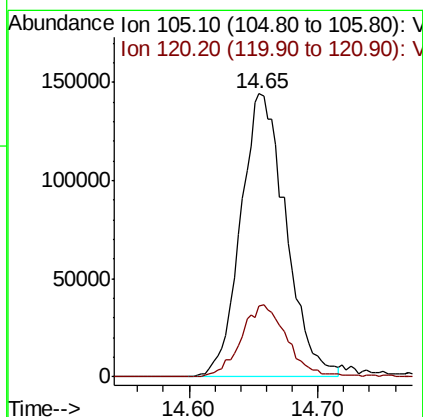
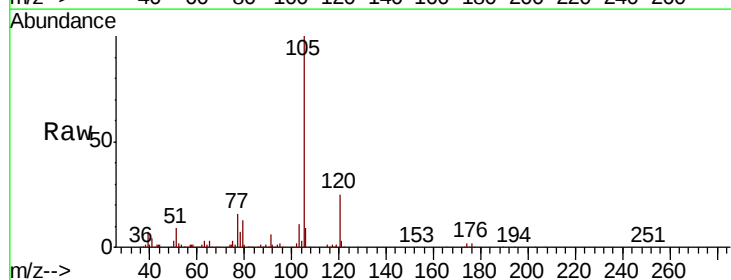
#61
Stvrene
Concen: 0.219 ppbv
RT: 13.52
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 Apr 2022 17:50

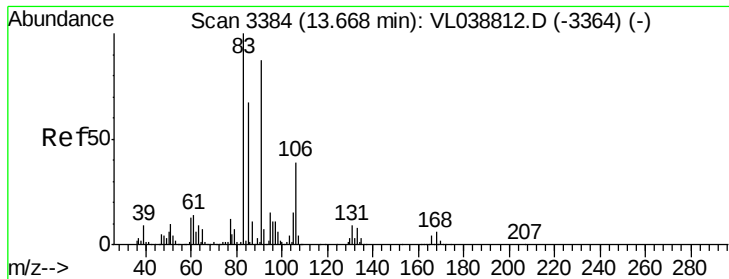
Tot Ion	Ratio	Lower	Upper
104	100		
78	117.3	40.5	60.7#
103	113.7	39.0	58.4#



#62
Isopropylbenzene
Concen: 0.554 ppbv
RT: 14.65 min Scan# 3691
Delta R.T. -0.01 min
Lab File: VL038815.D
Acq: 5 Apr 2022 17:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	21.8	32.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.511 ppbv

RT: 13.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 Apr 2022 17:50

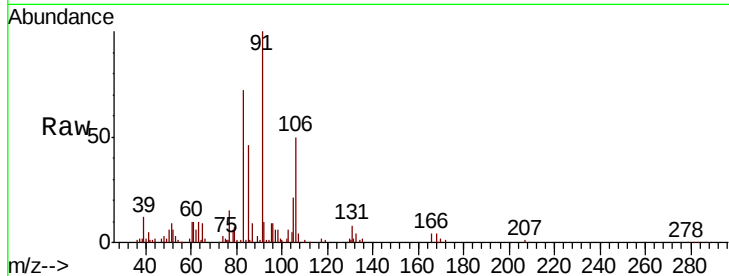
Tot Ion: 83 Resp: 136553

Ion Ratio Lower Upper

83 100

131 9.3 4.6 13.8

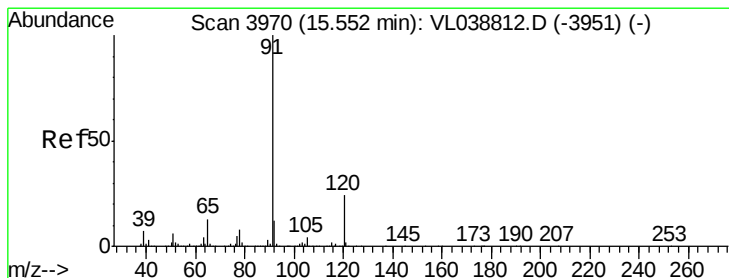
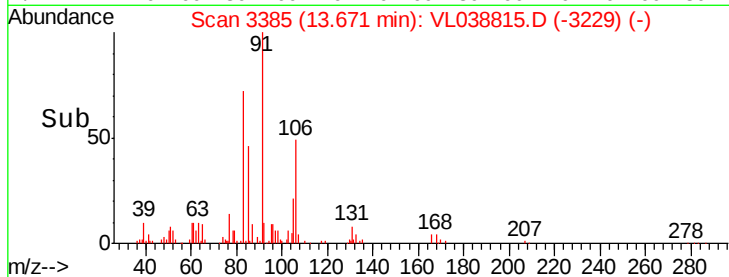
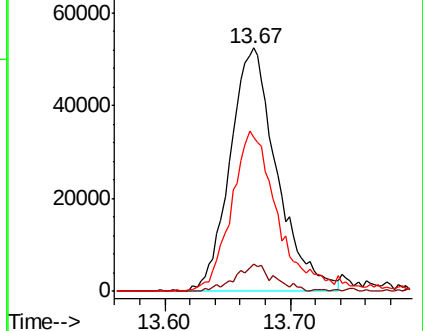
85 66.9 33.0 99.0



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: 0.513 ppbv

RT: 15.55 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VL038815.D

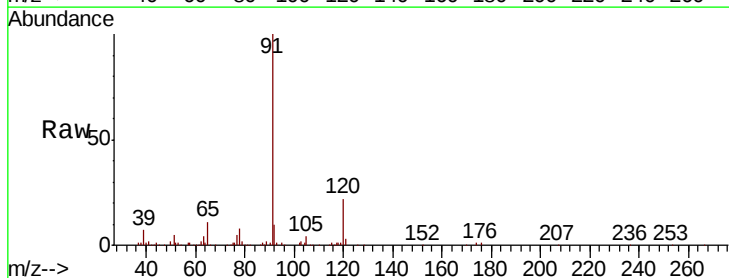
Acq: 5 Apr 2022 17:50

Tgt Ion:120 Resp: 84505

Ion Ratio Lower Upper

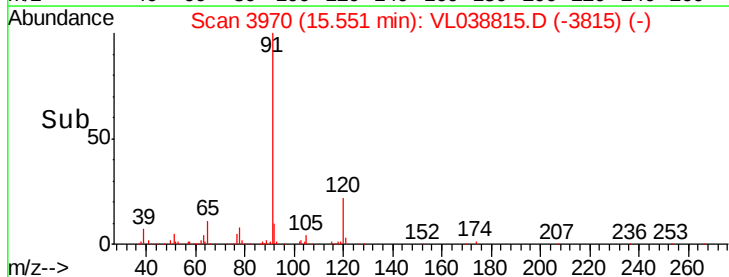
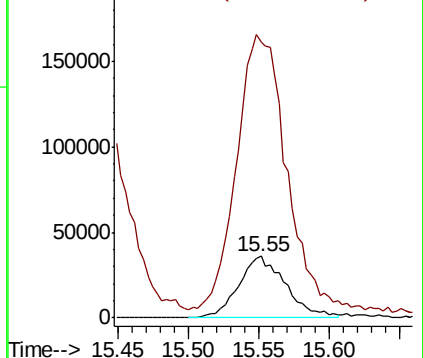
120 100

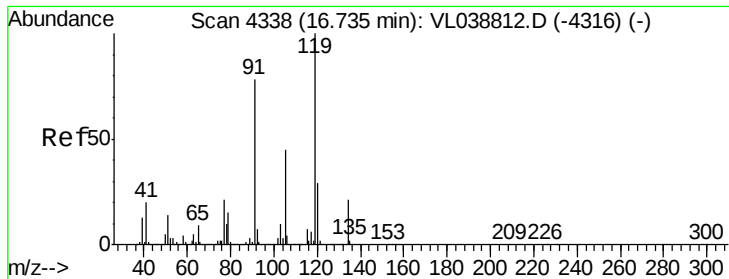
91 510.8 360.6 540.8



Abundance Ion 120.20 (119.90 to 120.90): V

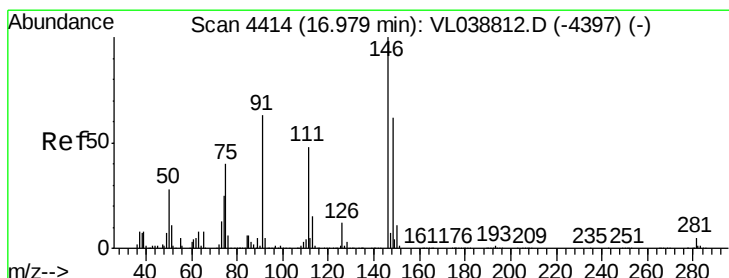
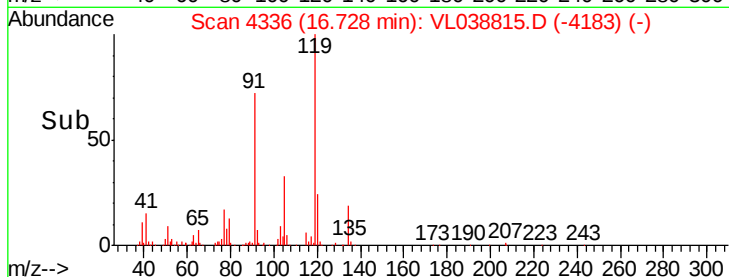
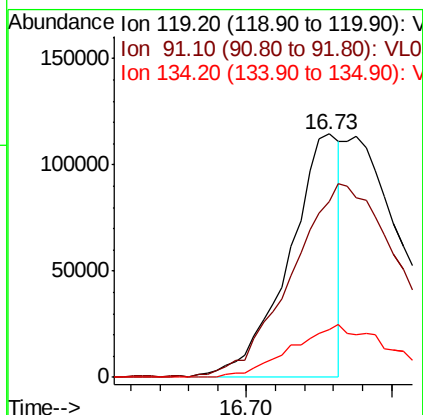
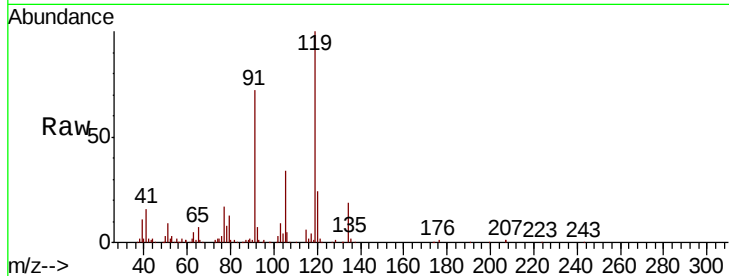
Ion 91.10 (90.80 to 91.80): VL0





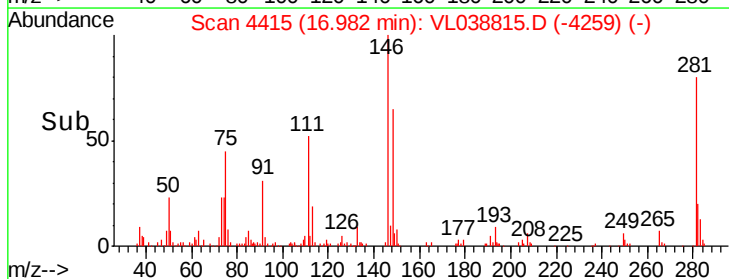
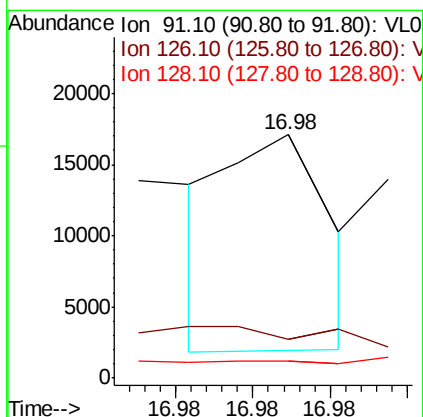
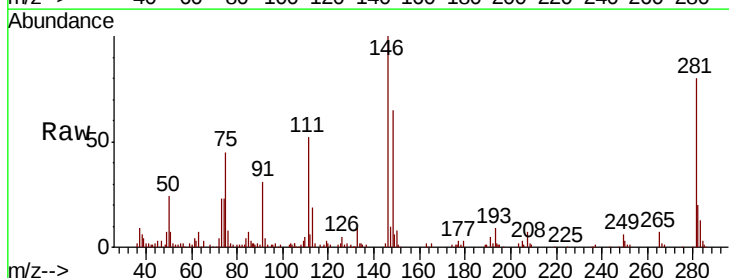
#65
 tert-Butylbenzene
 Concen: 0.248 ppbv
 RT: 16.73 min
 Delta R.T. 0.00 min
 Lab File: VL038815.D
 Acq: 5 Apr 2022 17:50

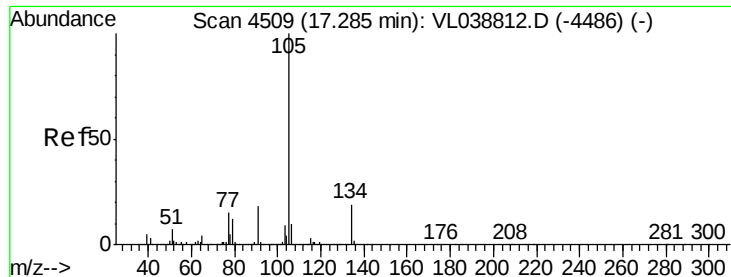
Tot Ion: 119 Resp: 139505
 Ion Ratio Lower Upper
 119 100
 91 185.4 62.8 94.2#
 134 43.8 16.2 24.4#



#66
 Benzyl Chloride
 Concen: 0.062 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T. 0.00 min
 Lab File: VL038815.D
 Acq: 5 Apr 2022 17:50

Tgt Ion: 91 Resp: 7069
 Ion Ratio Lower Upper
 91 100
 126 146.3 15.4 23.0#
 128 0.0 4.7 7.1#





#67

sec-Butylbenzene

Concen: 0.548 ppbv

RT: 17.28 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

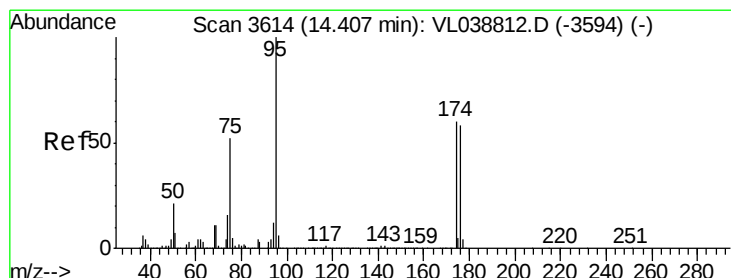
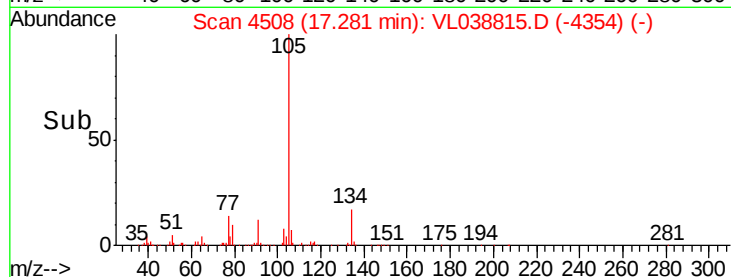
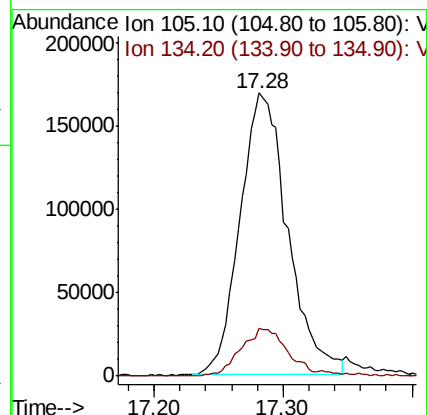
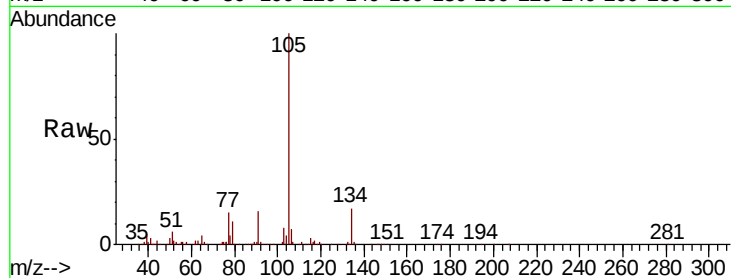
Acq: 5 Apr 2022 17:50

Tot Ion: 105 Resp: 432789

Ion Ratio Lower Upper

105 100

134 17.7 15.1 22.7



#68

1-Bromo-4-Fluorobenzene

Concen: 10.036 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.00 min

Lab File: VL038815.D

Acq: 5 Apr 2022 17:50

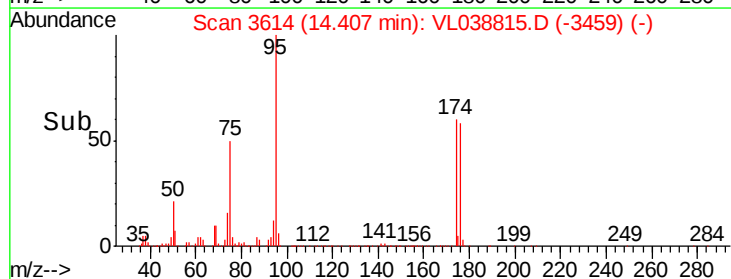
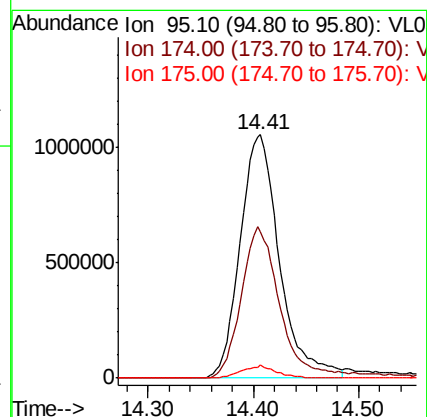
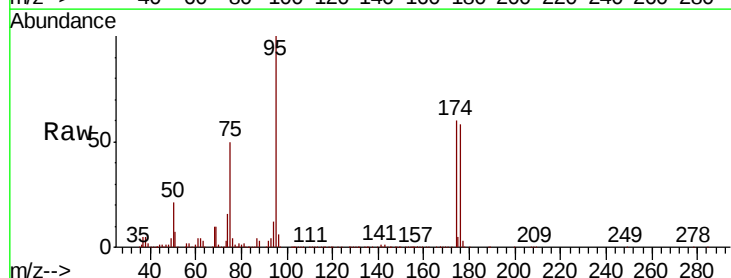
Tgt Ion: 95 Resp: 2736477

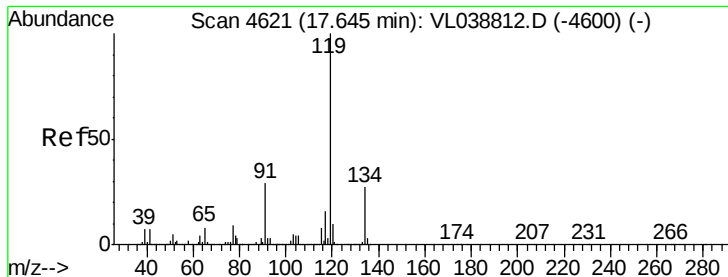
Ion Ratio Lower Upper

95 100

174 64.0 52.0 78.0

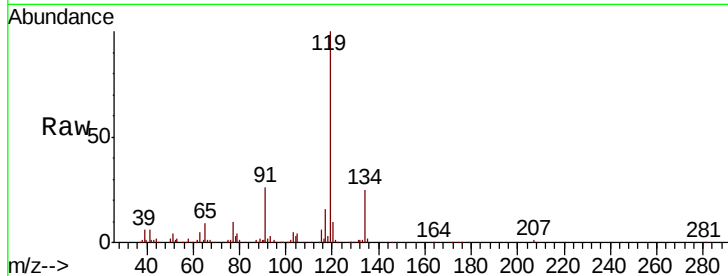
175 4.7 4.0 6.0



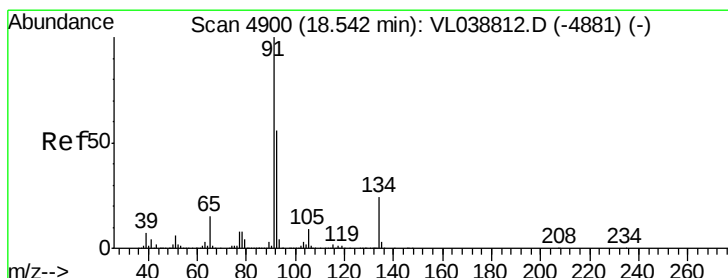
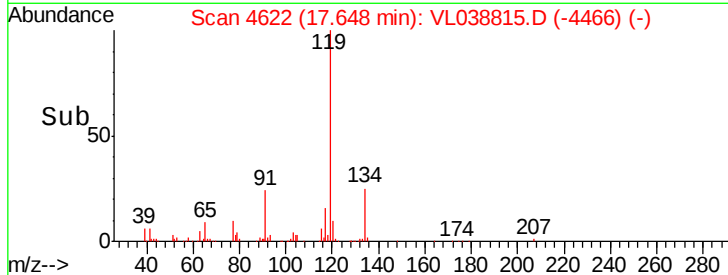
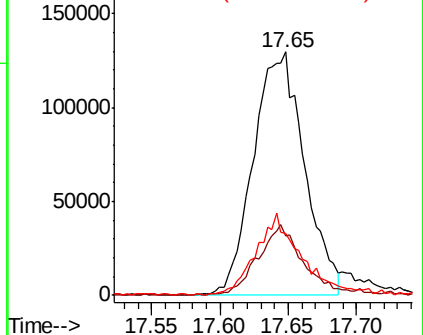


#69
 p-Isopropyltoluene
 Concen: 0.521 ppbv
 RT: 17.65
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC0.5
 Acq: 5 Apr 2022 17:50

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.1	20.8	31.2
91	29.7	22.6	34.0

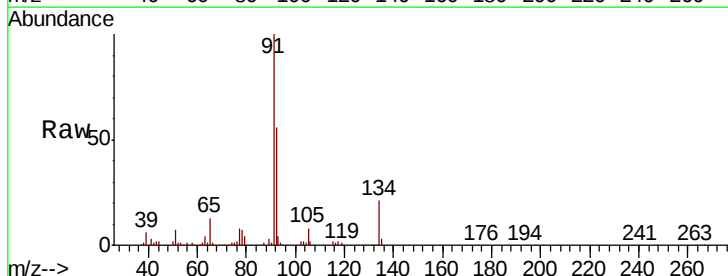


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

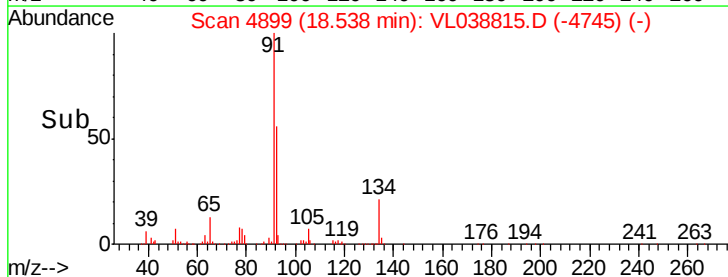
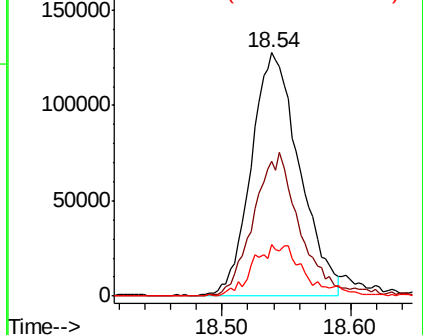


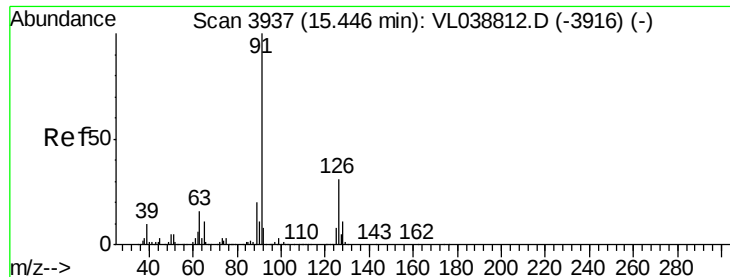
#70
 n-Butylbenzene
 Concen: 0.510 ppbv
 RT: 18.54 min Scan# 4899
 Delta R.T. -0.00 min
 Lab File: VL038815.D
 Acq: 5 Apr 2022 17:50

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.6	44.6	66.8
134	22.7	19.2	28.8



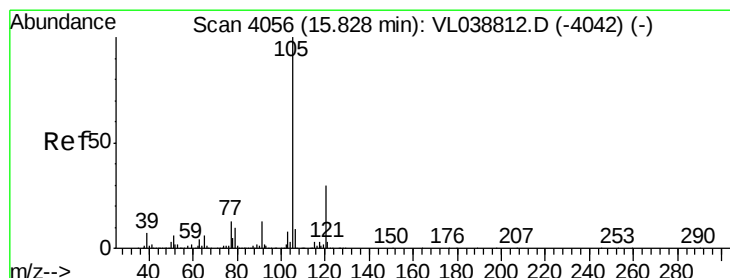
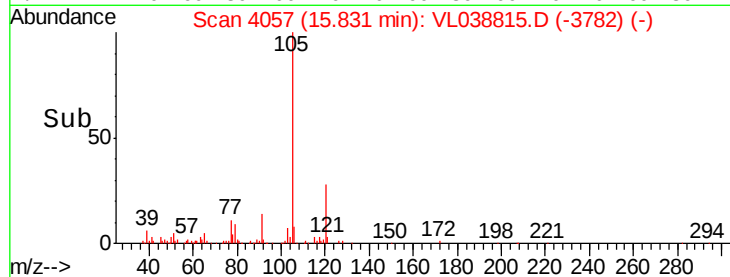
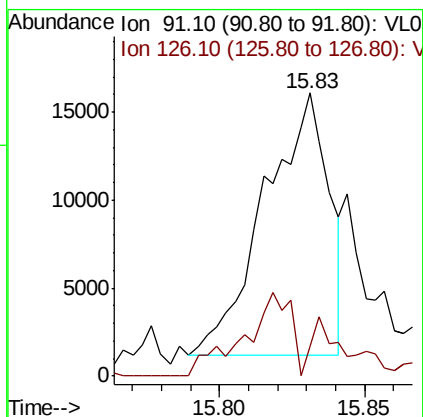
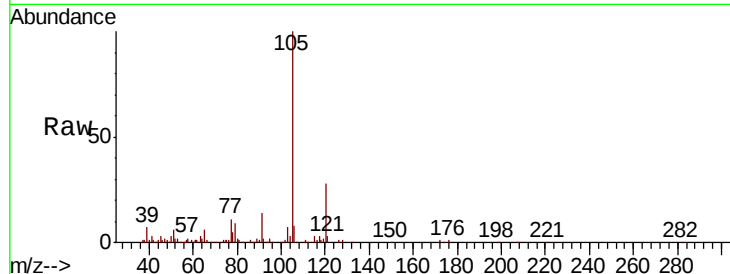
Abundance Ion 91.10 (90.80 to 91.80): V
 Ion 92.10 (91.80 to 92.80): V
 Ion 134.20 (133.90 to 134.90): V





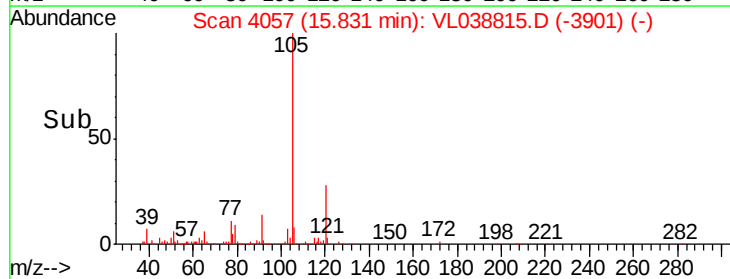
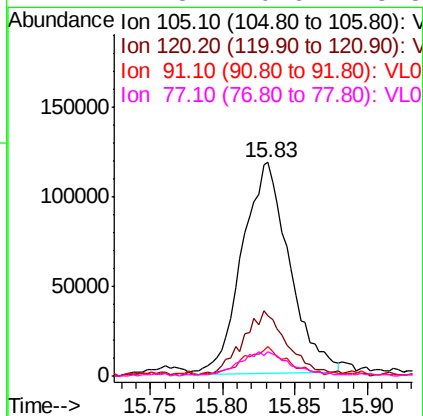
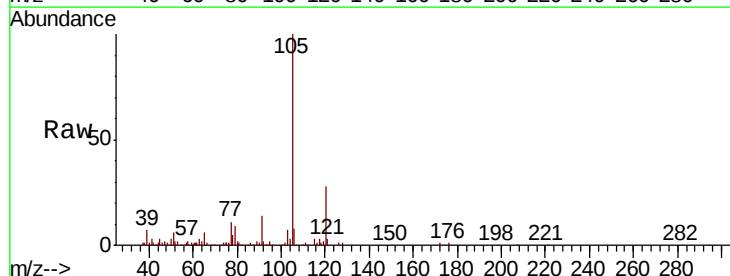
#71
 2-Chlorotoluene
 Concen: 0.048 ppbv
 RT: 15.83 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 Apr 2022 17:50

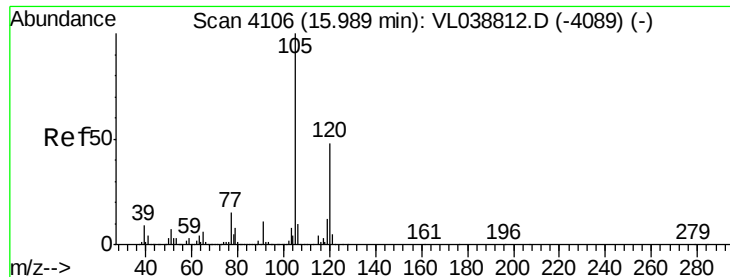
Tot Ion: 91 Resp: 22919
 Ion Ratio Lower Upper
 91 100
 126 37.3 13.0 51.8



#72
 4-Ethyltoluene
 Concen: 0.527 ppbv
 RT: 15.83 min Scan# 4057
 Delta R.T. 0.00 min
 Lab File: VL038815.D
 Acq: 5 Apr 2022 17:50

Tgt Ion:105 Resp: 265619
 Ion Ratio Lower Upper
 105 100
 120 29.5 24.3 36.5
 91 12.2 9.4 14.2
 77 12.8 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 0.509 ppbv

RT: 15.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

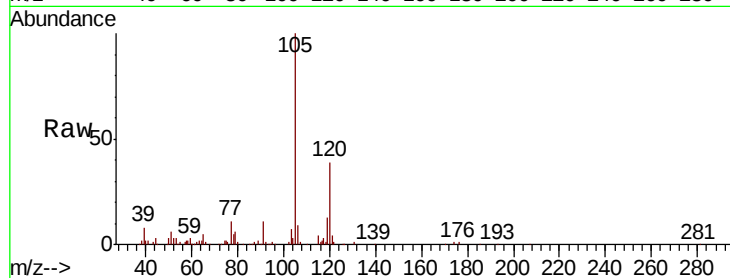
Acq: 5 Apr 2022 17:50

Tot Ion:105 Resp: 230673

Ion Ratio Lower Upper

105 100

120 37.9 38.7 58.1#

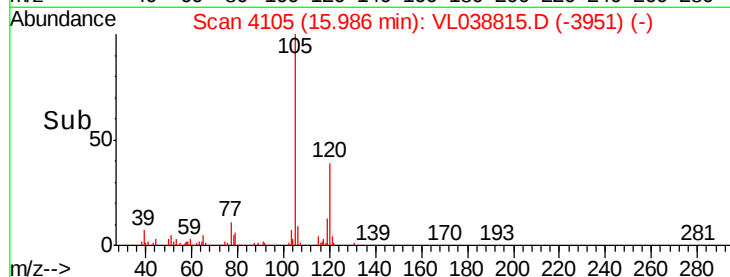


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.99

Time-->



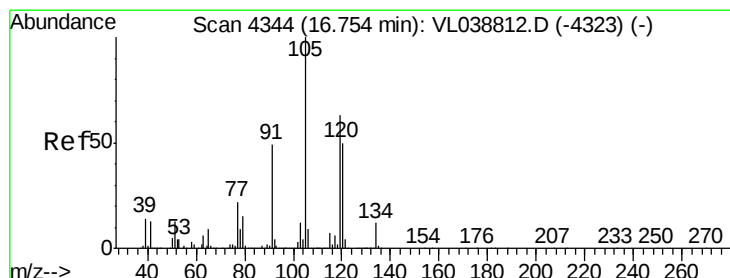
Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.99

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 0.515 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.01 min

Lab File: VL038815.D

Acq: 5 Apr 2022 17:50

Tgt Ion:105 Resp: 246430

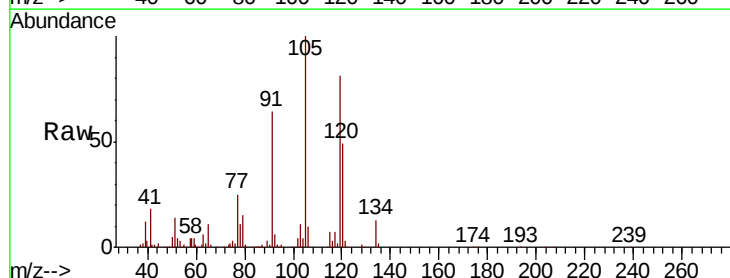
Ion Ratio Lower Upper

105 100

120 48.4 39.8 59.8

91 59.2 39.4 59.0#

77 23.8 17.3 25.9



Abundance Ion 105.10 (104.80 to 105.80): V

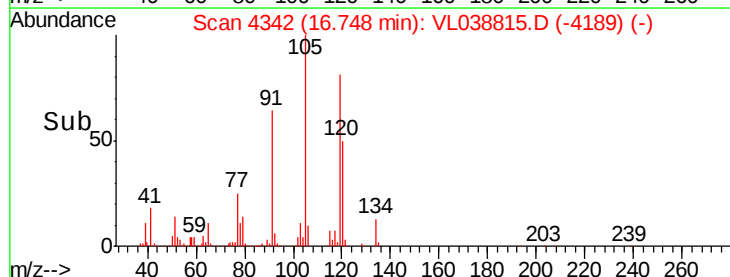
Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

16.75

Time-->



Abundance

Ion 105.10 (104.80 to 105.80): V

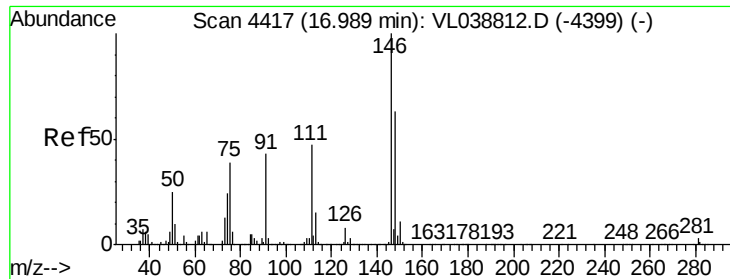
Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

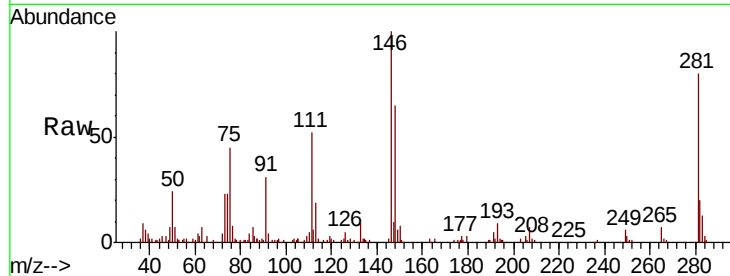
16.75

Time-->



#75
 1,3-Dichlorobenzene
 Concen: 0.481 ppbv
 RT: 16.98 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC0.5
 Acq: 5 Apr 2022 17:50

Tot Ion	Ratio	Lower	Upper
146	100		
111	52.9	23.8	71.2
148	70.9	31.8	95.4

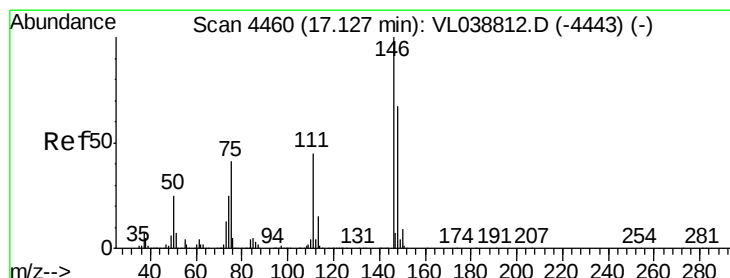
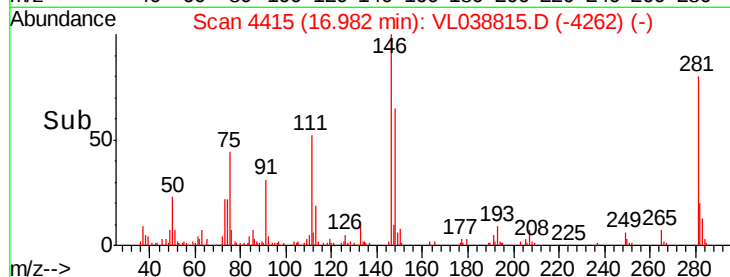
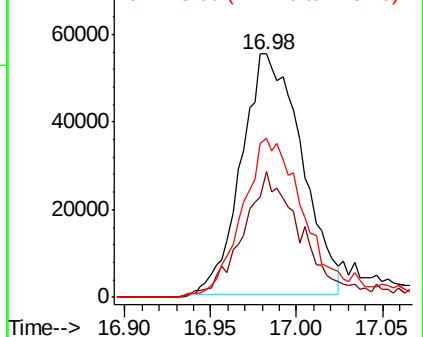


Abundance

Ion 146.00 (145.70 to 146.70): V

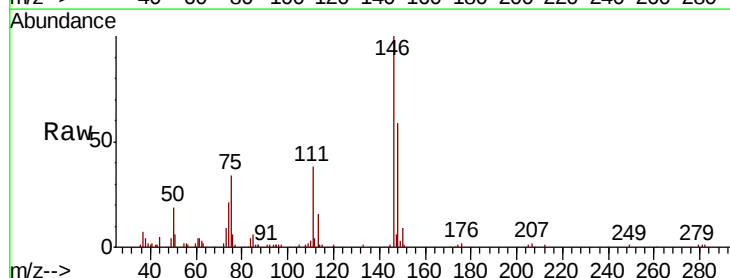
Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76
 1,4-Dichlorobenzene
 Concen: 0.491 ppbv
 RT: 17.13 min Scan# 4462
 Delta R.T. 0.01 min
 Lab File: VL038815.D
 Acq: 5 Apr 2022 17:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	51.2	23.6	70.8
148	69.5	33.6	100.6

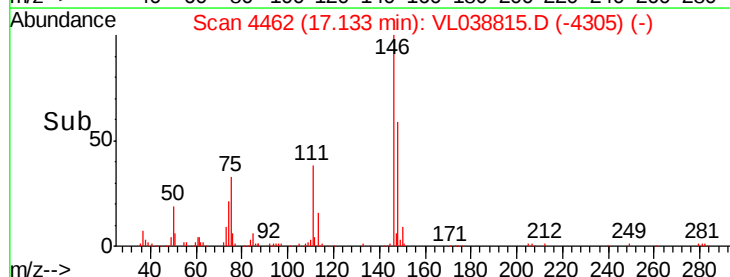
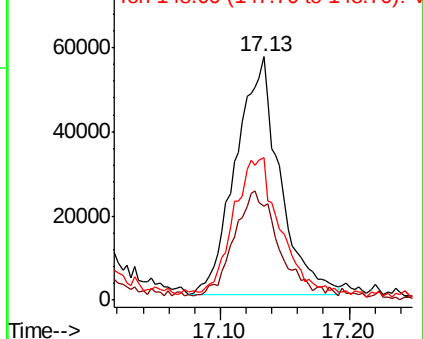


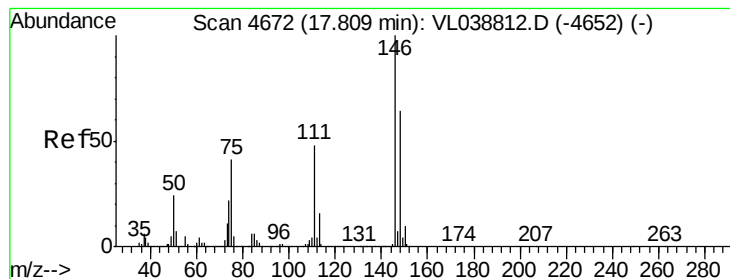
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.223 ppbv

RT: 17.81

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 Apr 2022 17:50

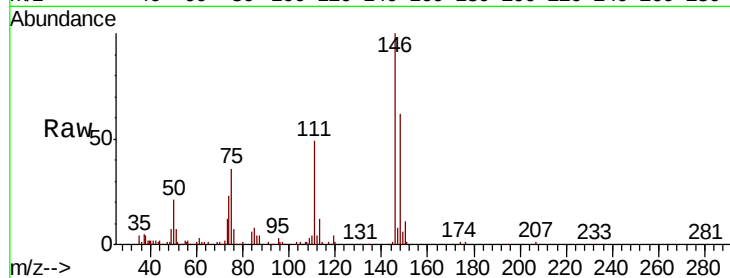
Tot Ion:146 Resp: 61160

Ion Ratio Lower Upper

146 100

111 0.0 24.8 74.3#

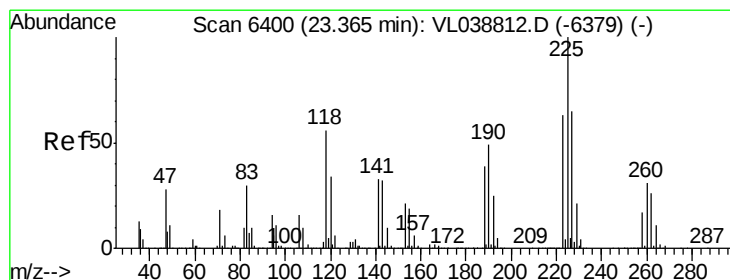
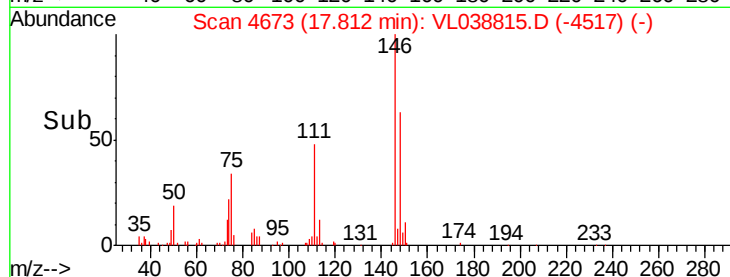
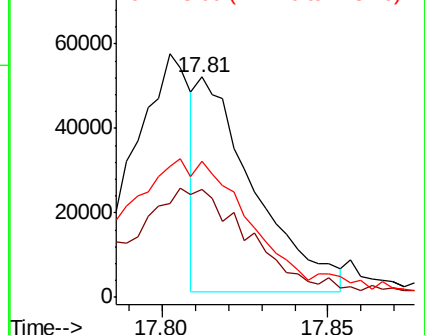
148 0.0 31.9 95.7#



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: 0.358 ppbv

RT: 23.36 min Scan# 6399

Delta R.T. -0.00 min

Lab File: VL038815.D

Acq: 5 Apr 2022 17:50

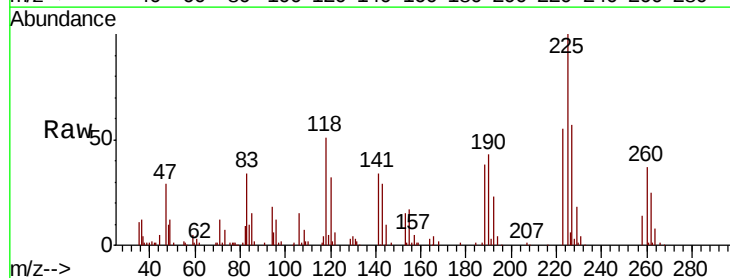
Tgt Ion:225 Resp: 77425

Ion Ratio Lower Upper

225 100

223 101.8 51.6 77.4#

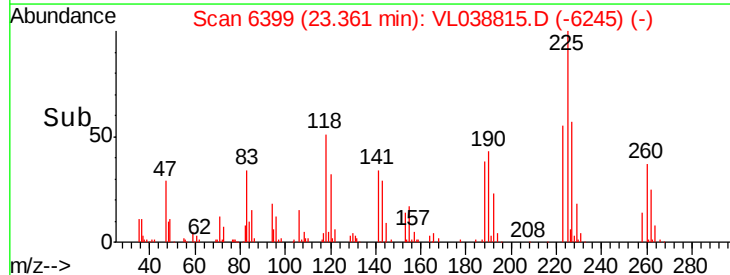
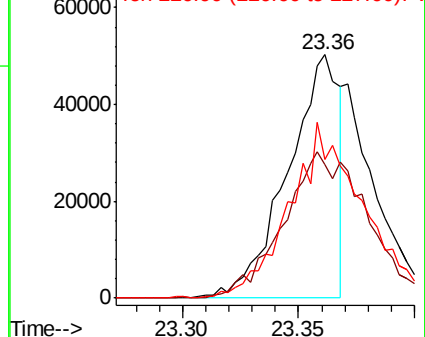
227 106.9 52.3 78.5#

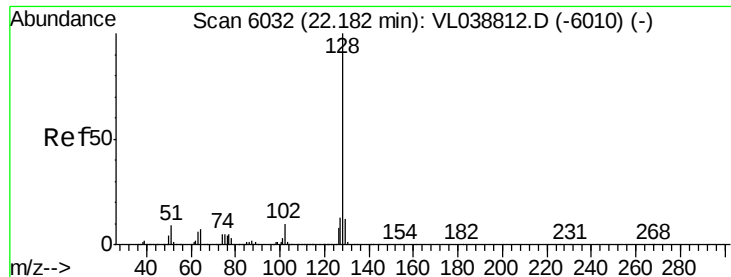


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 0.446 ppbv

RT: 22.18 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 Apr 2022 17:50

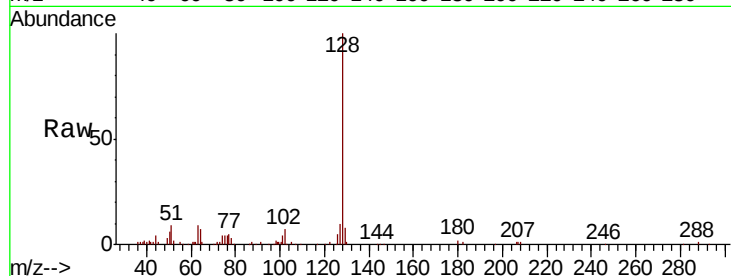
Tot Ion:128 Resp: 159814

Ion Ratio Lower Upper

128 100

127 10.3 10.6 15.8#

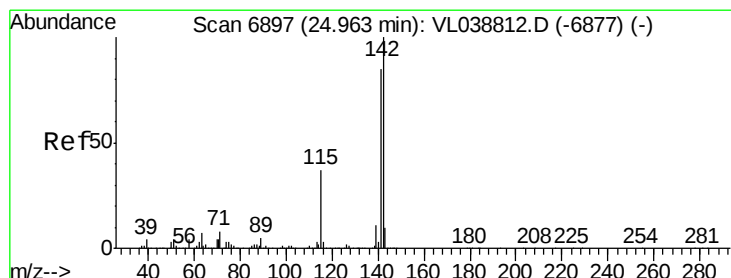
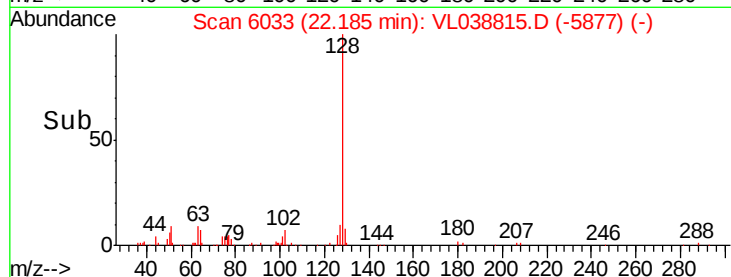
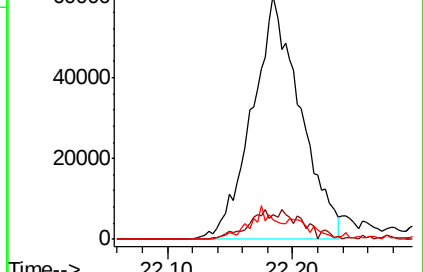
129 8.2 9.4 14.0#



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: 0.160 ppbv

RT: 24.96 min Scan# 6896

Delta R.T. -0.00 min

Lab File: VL038815.D

Acq: 5 Apr 2022 17:50

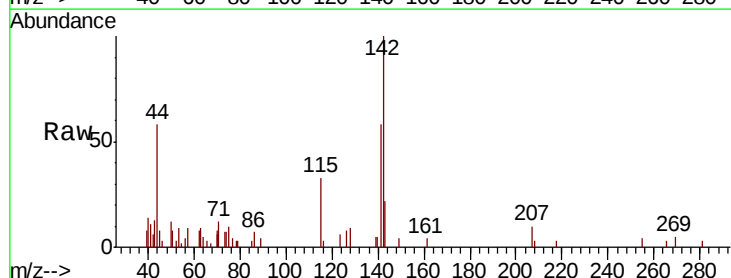
Tgt Ion:142 Resp: 14123

Ion Ratio Lower Upper

142 100

141 127.3 68.8 103.2#

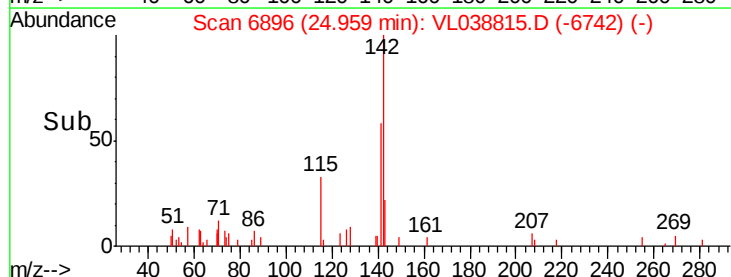
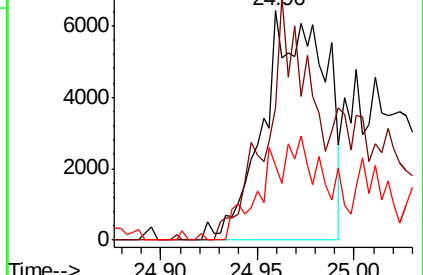
115 67.7 31.6 47.4#

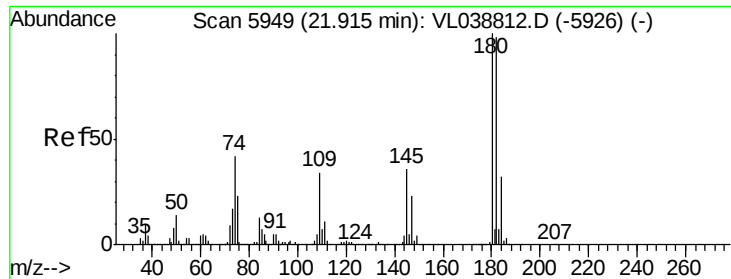


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

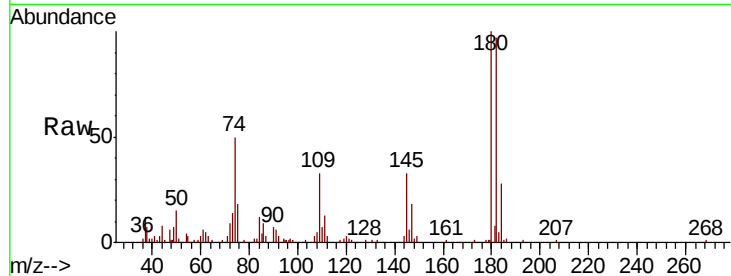
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.281 ppbv
 RT: 21.91
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC0.5
 Acq: 5 Apr 2022 17:30

Tot Ion:180 Resp: 58867
 Ion Ratio Lower Upper
 180 100
 182 165.1 79.4 119.0#
 184 54.1 25.0 37.6#



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

