

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
 Data File : VL042460.D
 Acq On : 01 May 2025 10:08
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: May 02 01:41:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 02 01:37:48 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.784	49	71499	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	200111	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	170872	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	158600	10.011	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	11796	0.997	ppbv	96
3) Chlorodifluoromethane	1.476	51	13375	1.069	ppbv	96
4) Chloromethane	1.531	50	4975	1.006	ppbv	95
5) Vinyl Chloride	1.576	62	4469	0.898	ppbv	100
6) Bromomethane	1.667	94	2570	1.092	ppbv	86
7) Chloroethane	1.703	64	1943	1.057	ppbv	94
8) Dichlorotetrafluoroethane	1.554	85	9804	1.005	ppbv	91
9) Propene	1.482	41	4331	1.058	ppbv	88
10) Heptane	4.975	43	3958	0.373	ppbv #	1
11) Trichlorofluoromethane	2.140	101	8821	0.836	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.140	101	8821	1.012	ppbv	97
13) Ethanol	1.719	45	975	1.174	ppbv #	52
14) Bromoethene	1.780	108	3164	0.983	ppbv #	91
15) Acetone	1.835	43	14974	1.147	ppbv	98
16) 1,3-Butadiene	1.609	39	6248	1.085	ppbv	96
17) tert-Butyl alcohol	2.039	59	11546	1.004	ppbv #	91
18) 1,1-Dichloroethene	2.033	96	4200	1.032	ppbv	86
19) Isopropyl Alcohol	1.884	45	7775	1.076	ppbv	99
20) Methylene Chloride	2.059	84	3909	0.996	ppbv	86
21) Allyl Chloride	2.094	41	8443	1.006	ppbv	94
22) trans-1,2-Dichloroethene	2.337	96	5305	1.116	ppbv	88
23) Vinyl Acetate	2.460	43	10876	0.894	ppbv #	94
24) 1,1-Dichloroethane	2.405	63	10477	1.080	ppbv	97
25) Ethyl Acetate	2.835	43	21761	1.041	ppbv	99
26) Hexane	2.822	57	9223	1.013	ppbv	97
27) Carbon Disulfide	2.149	76	10342	0.973	ppbv #	21
28) Methyl tert-Butyl Ether	2.441	73	6101	1.115	ppbv	93
29) Chloroform	2.848	83	17744	1.040	ppbv	97
30) Cyclohexane	3.852	84	7139	0.938	ppbv	88
31) cis-1,2-Dichloroethene	2.719	61	11472	1.080	ppbv	87
32) 1,1,1-Trichloroethane	3.366	97	17881	0.966	ppbv	98
34) 2-Butanone	2.560	43	14641	1.012	ppbv	94
35) Carbon Tetrachloride	3.755	117	18704	1.075	ppbv #	76
36) Benzene	3.654	78	19493	1.032	ppbv #	94
37) 1,2-Dichloroethane	3.214	62	15116	1.039	ppbv	98
38) Trichloroethene	4.541	130	5464	0.759	ppbv	92
39) 1,2-Dichloropropane	4.315	63	3118	0.441	ppbv #	86
40) 1,4-Dioxane	4.616	88	653	0.199	ppbv #	100
41) Tetrahydrofuran	3.062	42	6436	0.938	ppbv	99
42) Bromodichloromethane	4.486	83	18427	1.036	ppbv #	81
43) Methyl Methacrylate	4.874	69	4182	0.595	ppbv #	25
44) 2,2,4-Trimethylpentane	4.635	57	29395	0.963	ppbv	93
45) t-1,3-Dichloropropene	6.418	75	3916	0.423	ppbv	94

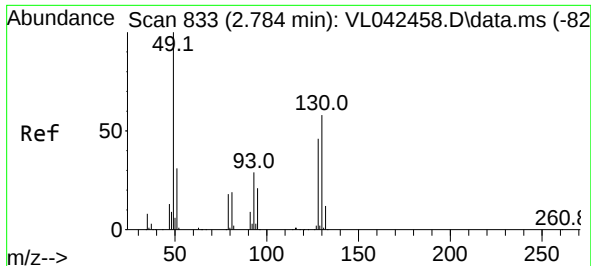
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
 Data File : VL042460.D
 Acq On : 01 May 2025 10:08
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: May 02 01:41:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 02 01:37:48 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	6187	0.563	ppbv	92
47) 1,1,2-Trichloroethane	6.593	97	2088	0.269	ppbv	92
48) Dibromochloromethane	7.386	129	12205	0.933	ppbv	96
49) Bromoform	9.483	173	10709	0.976	ppbv	97
50) 4-Methyl-2-Pentanone	5.758	43	9019	0.493	ppbv #	43
51) 2-Hexanone	7.448	43	7505	0.512	ppbv #	31
52) Tetrachloroethene	8.221	164	6780	0.943	ppbv	86
53) Toluene	6.930	91	19390	0.970	ppbv	97
54) 1,2-Dibromoethane	7.655	107	11980	1.005	ppbv	91
56) 1,1,1,2-Tetrachloroethane	8.920	131	10811	1.071	ppbv	94
57) Chlorobenzene	8.917	112	18111	1.055	ppbv	90
58) Ethyl Benzene	9.354	91	27914	0.978	ppbv	97
59) m/p-Xylene	9.529	91	19557	0.817	ppbv #	33
60) o-Xylene	9.962	91	23806	0.995	ppbv	98
61) Styrene	9.872	104	8537	0.954	ppbv	98
62) Isopropylbenzene	10.539	105	34679	1.003	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.962	83	16837	1.084	ppbv	98
64) n-propylbenzene	10.985	120	8958	1.064	ppbv	86
65) tert-Butylbenzene	11.529	119	30604	0.992	ppbv	95
66) Benzyl Chloride	11.613	91	3486	0.978	ppbv #	96
67) sec-Butylbenzene	11.765	105	43740	0.998	ppbv	98
69) p-Isopropyltoluene	11.927	119	37011	1.002	ppbv	99
70) n-Butylbenzene	12.280	91	37892	0.992	ppbv	97
71) 2-Chlorotoluene	10.898	91	26813	0.989	ppbv	99
72) 4-Ethyltoluene	11.124	105	28149	0.996	ppbv	96
73) 1,3,5-Trimethylbenzene	11.202	105	25073	1.009	ppbv	97
74) 1,2,4-Trimethylbenzene	11.535	105	30550	1.016	ppbv	92
75) 1,3-Dichlorobenzene	11.607	146	17456	1.043	ppbv	98
76) 1,4-Dichlorobenzene	11.671	146	16151	1.019	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	17207	1.050	ppbv	94
78) Hexachloro-1,3-Butadiene	13.879	225	18472	1.129	ppbv	98
79) Naphthalene	13.513	128	28316	1.123	ppbv #	94
80) Naphthalene,2-methyl-	14.458	142	15804	0.840	ppbv	93
81) 1,2,4-Trichlorobenzene	13.439	180	13644	1.011	ppbv	96

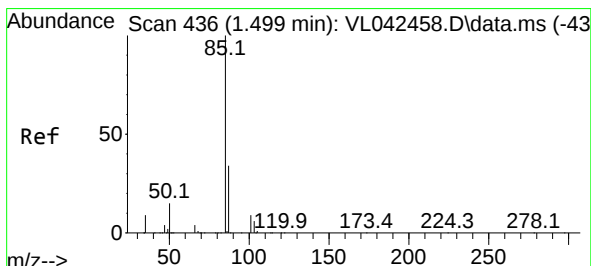
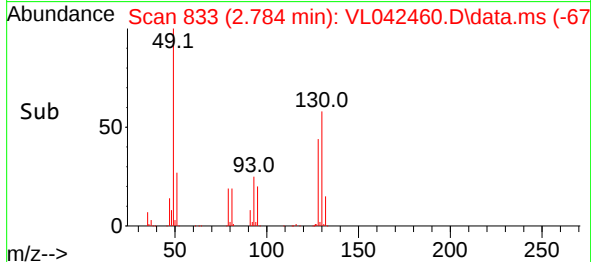
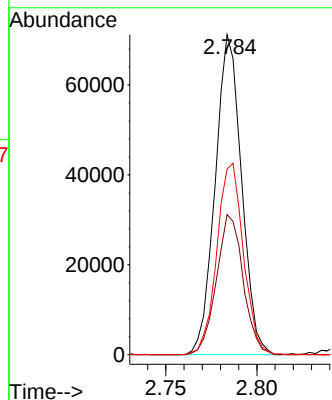
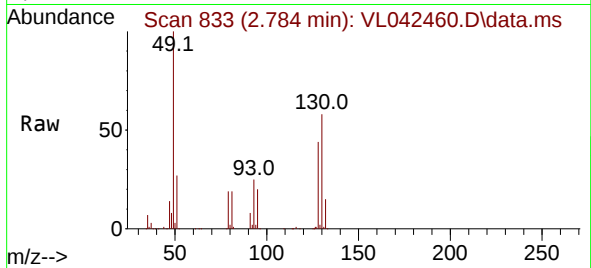
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

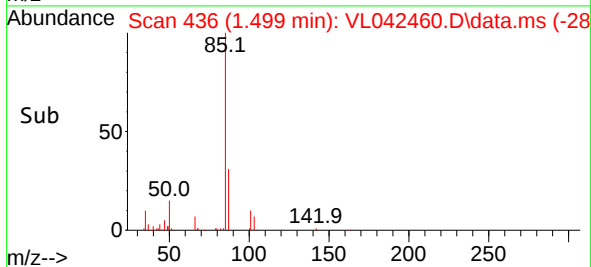
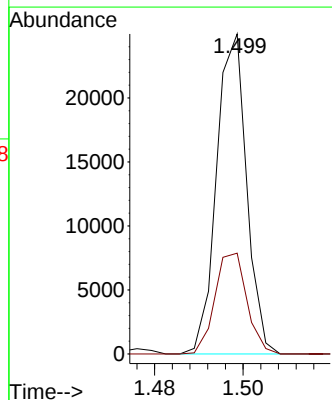
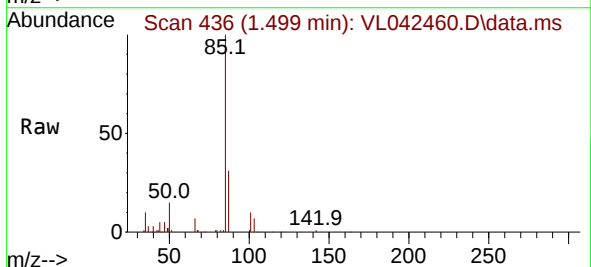
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MSVOA_1
ClientSampleId :
VSTDIC001

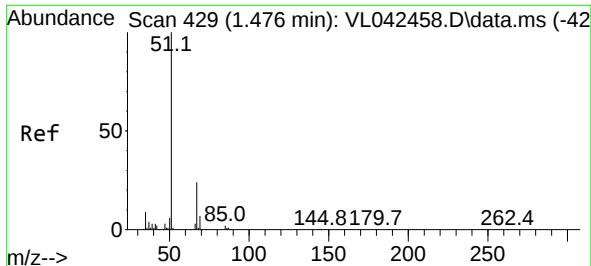
Tgt Ion: 49 Resp: 71499
Ion Ratio Lower Upper
49 100
128 44.3 23.3 69.9
130 60.4 29.5 88.6



#2
Dichlorodifluoromethane
Concen: 0.997 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

Tgt Ion: 85 Resp: 11796
Ion Ratio Lower Upper
85 100
87 31.5 26.9 40.3

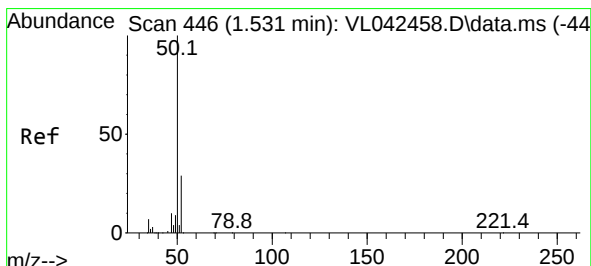
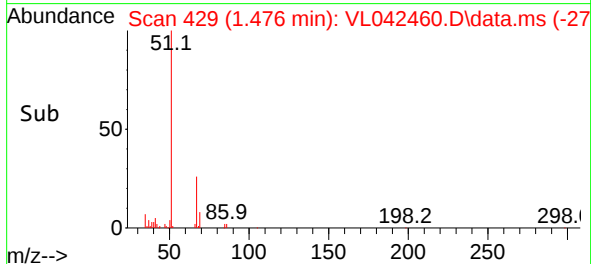
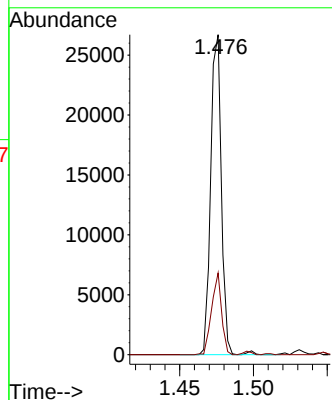
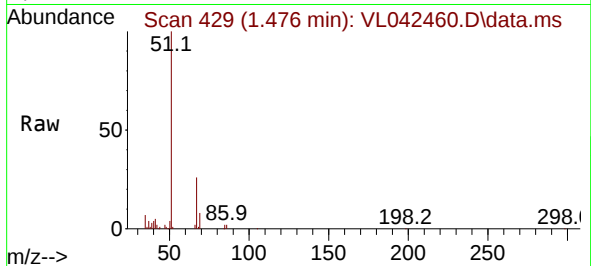




#3
Chlorodifluoromethane
Concen: 1.069 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

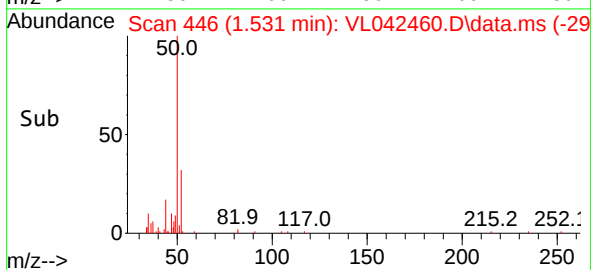
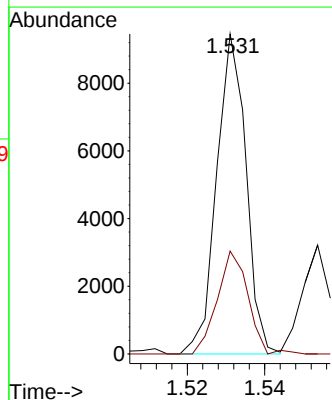
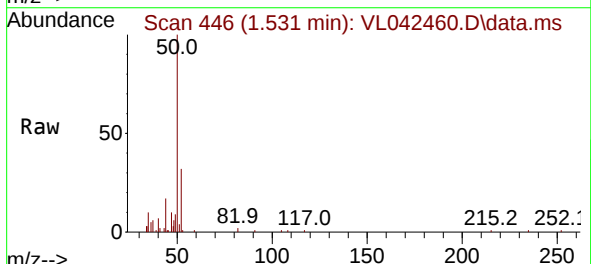
Instrument :
MSVOA_L
ClientSampleId :
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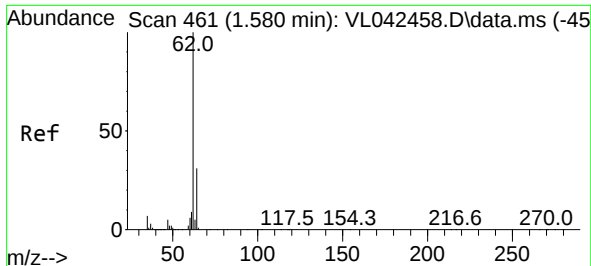
Tgt Ion: 51 Resp: 13375
Ion Ratio Lower Upper
51 100
67 24.9 18.4 27.6



#4
Chloromethane
Concen: 1.006 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

Tgt Ion: 50 Resp: 4975
Ion Ratio Lower Upper
50 100
52 32.1 23.5 35.3

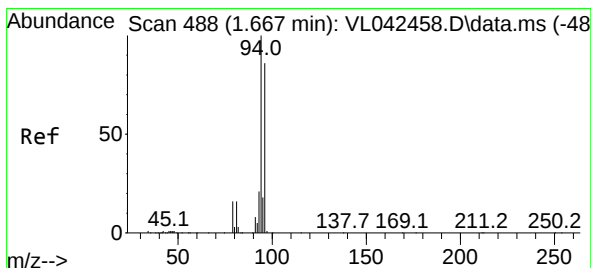
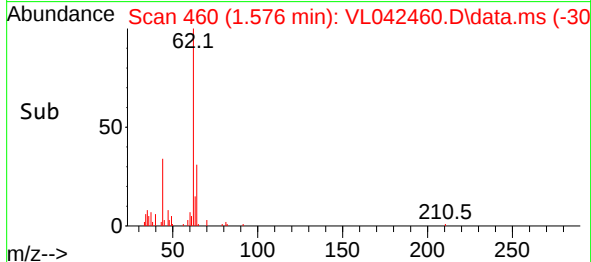
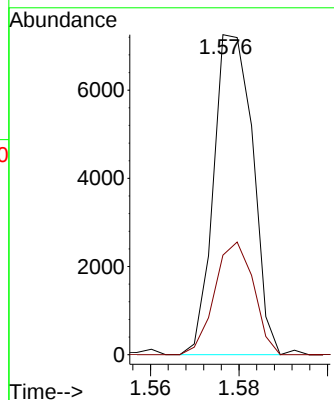
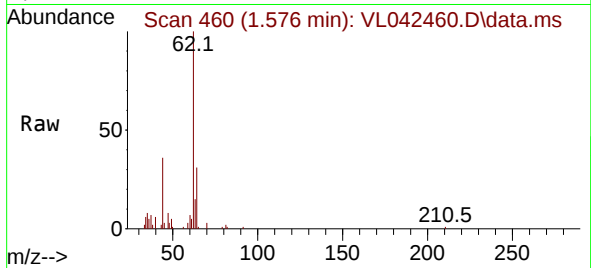




#5
 Vinyl Chloride
 Concen: 0.898 ppbv
 RT: 1.576 min Scan# 460
 Delta R.T. -0.003 min
 Lab File: VL042460.D
 Acq: 01 May 2025 10:08

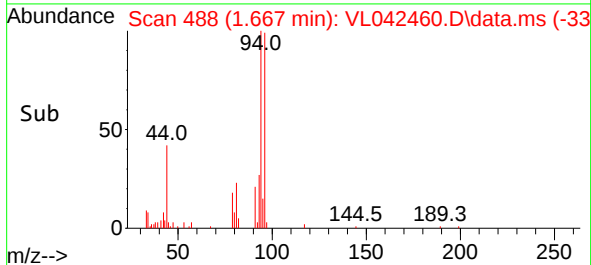
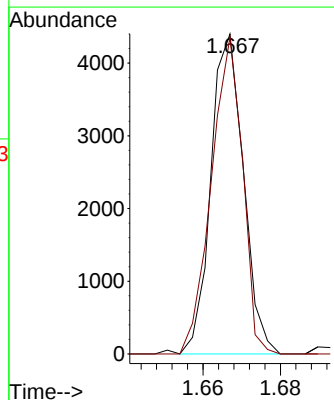
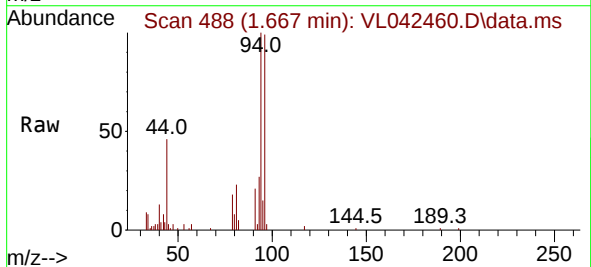
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

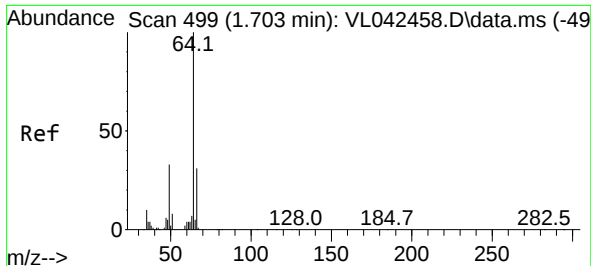
Tgt Ion: 62 Resp: 4469
 Ion Ratio Lower Upper
 62 100
 64 31.1 24.9 37.3



#6
 Bromomethane
 Concen: 1.092 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042460.D
 Acq: 01 May 2025 10:08

Tgt Ion: 94 Resp: 2570
 Ion Ratio Lower Upper
 94 100
 96 99.0 68.8 103.2

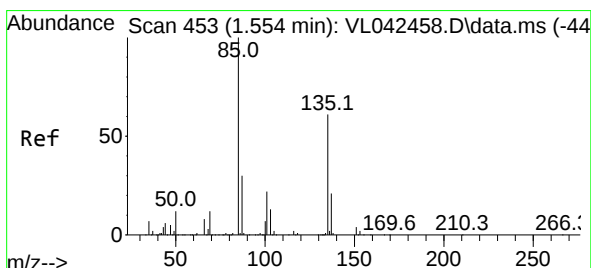
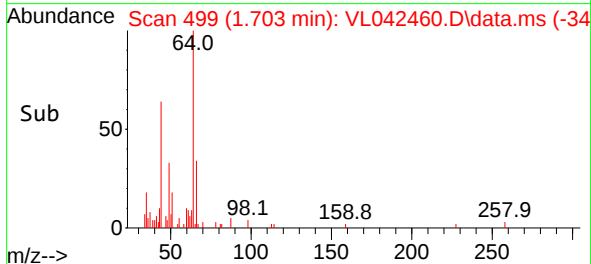
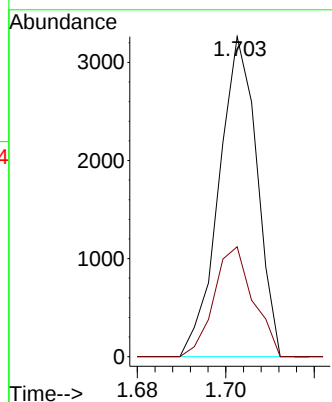
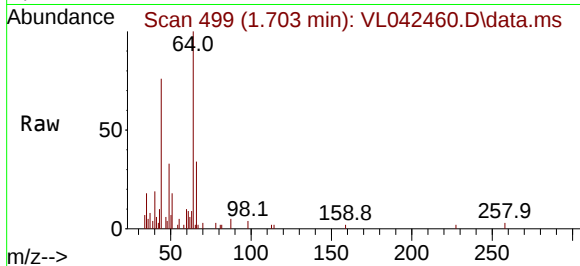




#7
Chloroethane
Concen: 1.057 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

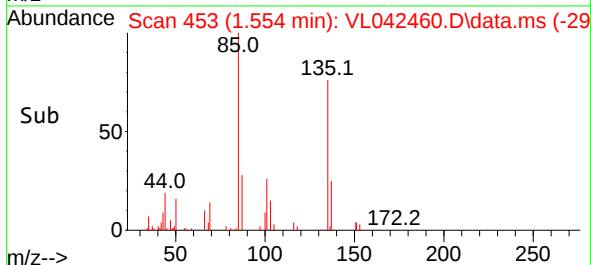
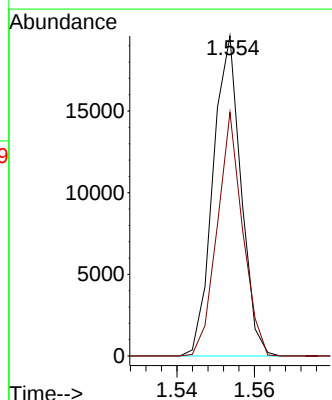
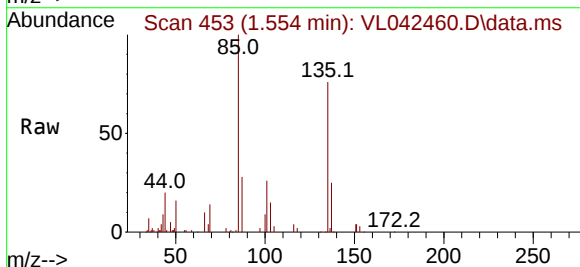
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ClientSampleId :
VSTDIC001

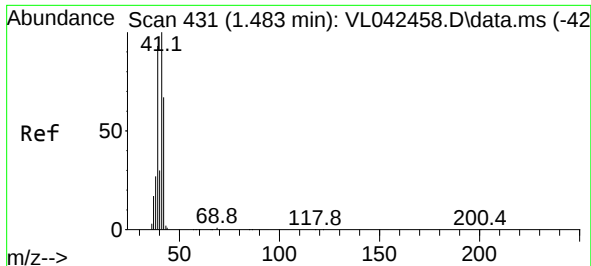
Tgt Ion: 64 Resp: 1943
Ion Ratio Lower Upper
64 100
66 34.4 25.0 37.4



#8
Dichlorotetrafluoroethane
Concen: 1.005 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

Tgt Ion: 85 Resp: 9804
Ion Ratio Lower Upper
85 100
135 69.3 49.8 74.8





#9

Propene

Concen: 1.058 ppbv

RT: 1.482 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042460.D

Acq: 01 May 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

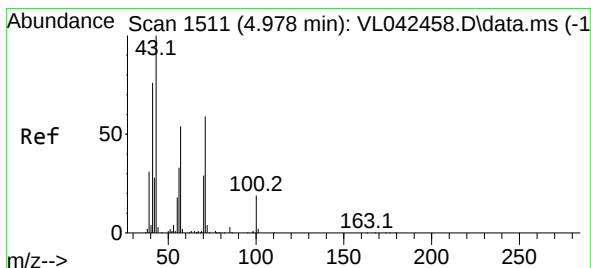
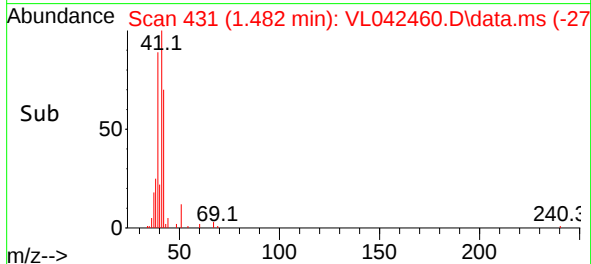
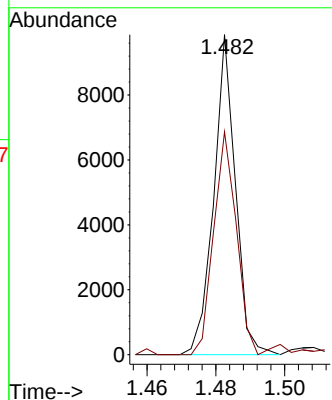
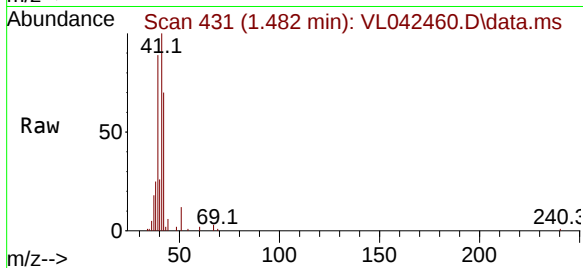
VSTDIC001

Tgt Ion: 41 Resp: 4331

Ion Ratio Lower Upper

41 100

42 77.9 54.3 81.5



#10

Heptane

Concen: 0.373 ppbv

RT: 4.975 min Scan# 1510

Delta R.T. -0.003 min

Lab File: VL042460.D

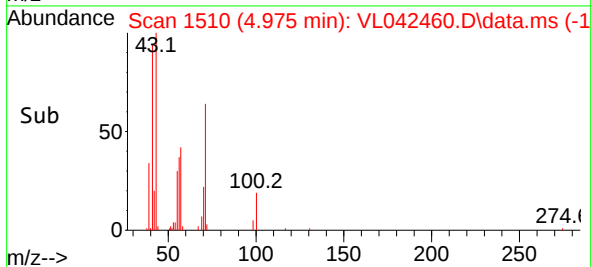
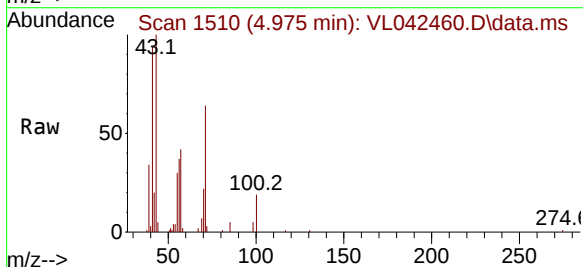
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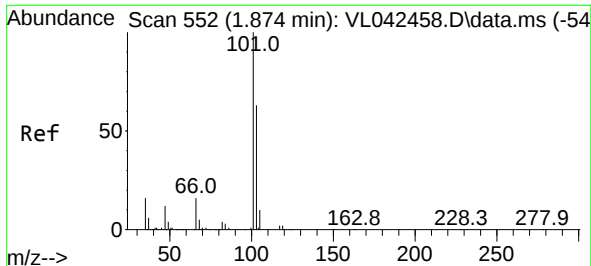
Tgt Ion: 43 Resp: 3958

Ion Ratio Lower Upper

43 100

57 139.7 41.8 62.8#

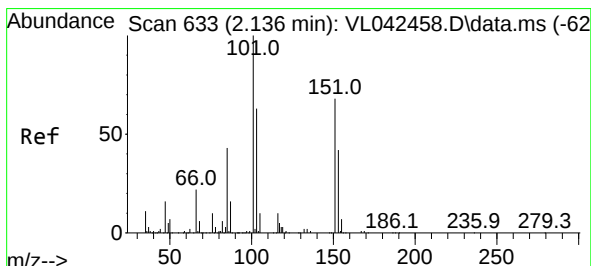
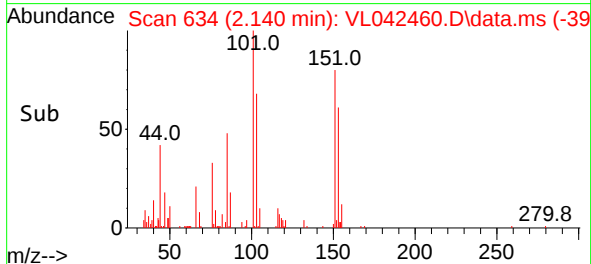
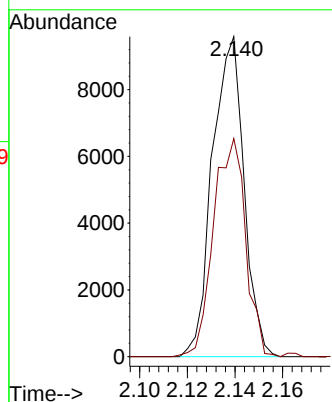
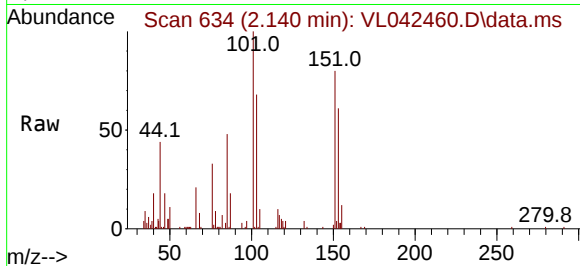




#11
 Trichlorofluoromethane
 Concen: 0.836 ppbv
 RT: 2.140 min Scan# 61
 Delta R.T. 0.265 min
 Lab File: VL042460.D
 Acq: 01 May 2025 10:08

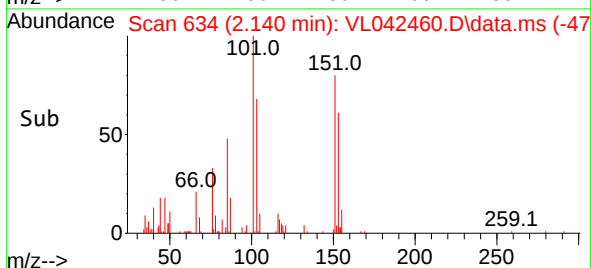
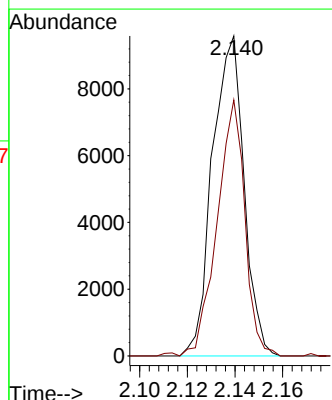
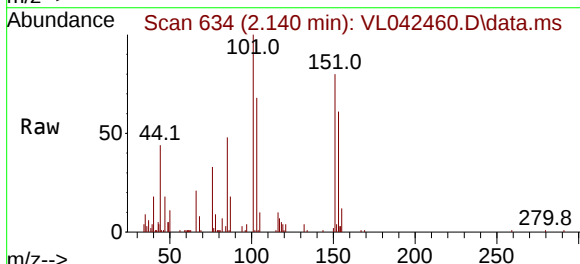
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

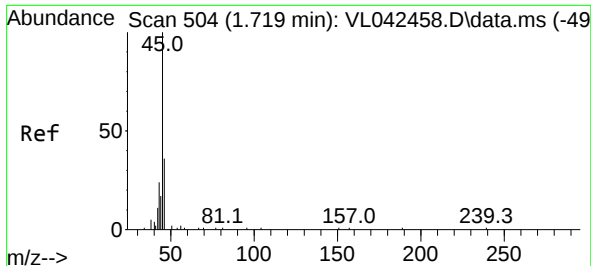
Tgt Ion:101 Resp: 8821
 Ion Ratio Lower Upper
 101 100
 103 68.2 50.6 76.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.012 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.003 min
 Lab File: VL042460.D
 Acq: 01 May 2025 10:08

Tgt Ion:101 Resp: 8821
 Ion Ratio Lower Upper
 101 100
 151 70.5 54.6 82.0

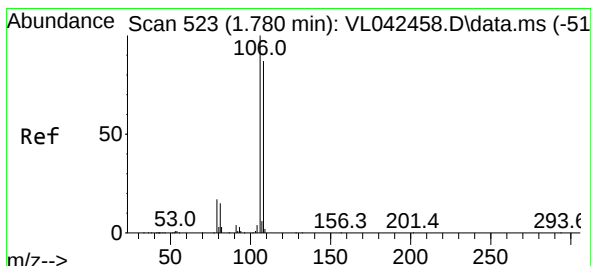
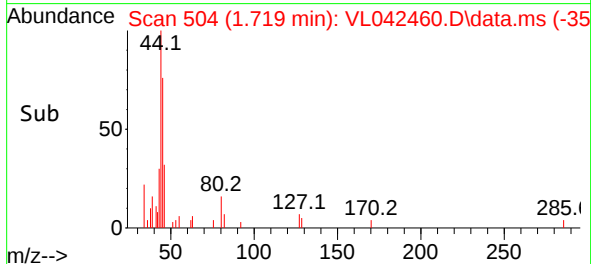
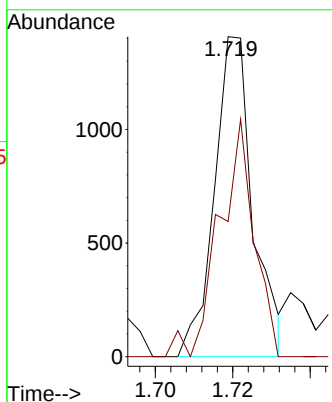
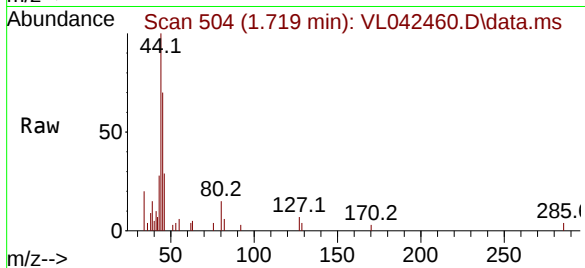




#13
Ethanol
Concen: 1.174 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

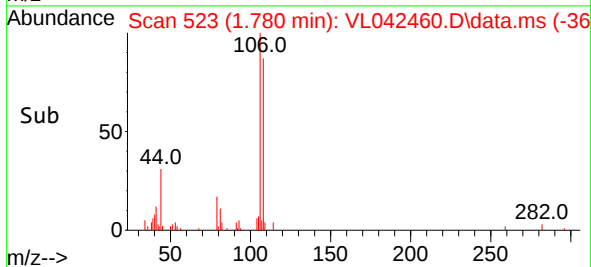
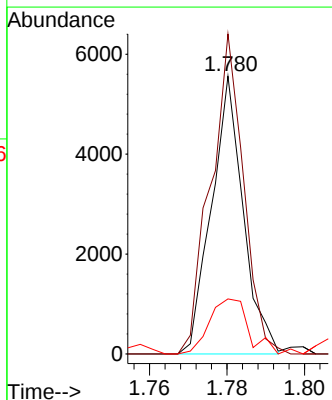
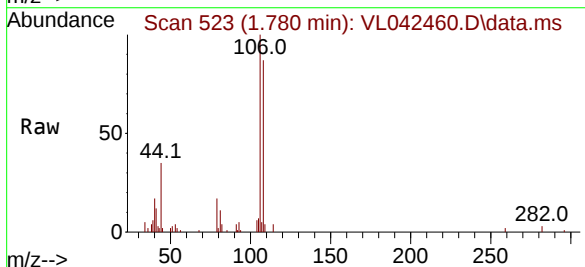
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

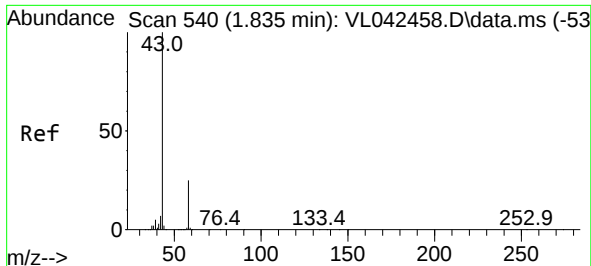
Tgt Ion: 45 Resp: 975
Ion Ratio Lower Upper
45 100
46 67.2 15.3 61.1#



#14
Bromoethene
Concen: 0.983 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

Tgt Ion: 108 Resp: 3164
Ion Ratio Lower Upper
108 100
106 119.2 88.8 133.2
79 28.5 17.1 25.7#

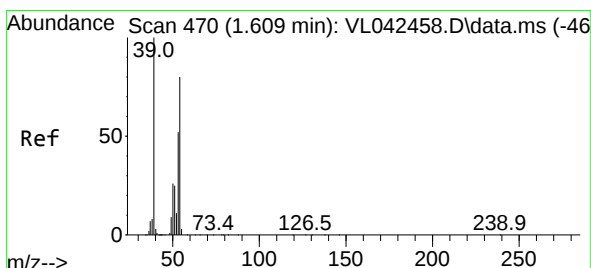
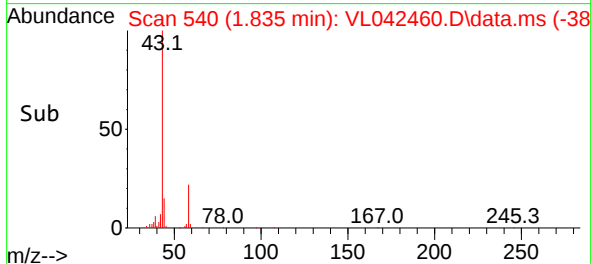
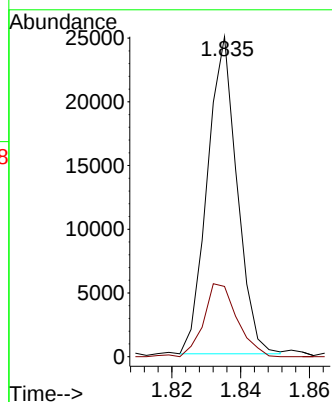
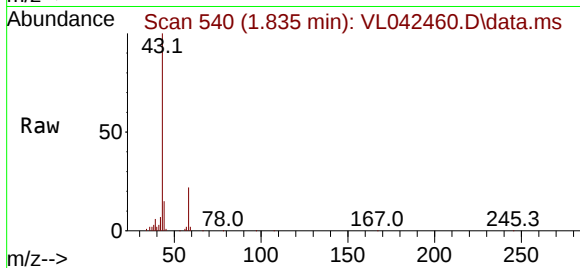




#15
Acetone
Concen: 1.147 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

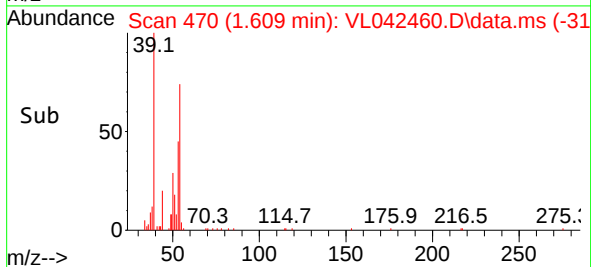
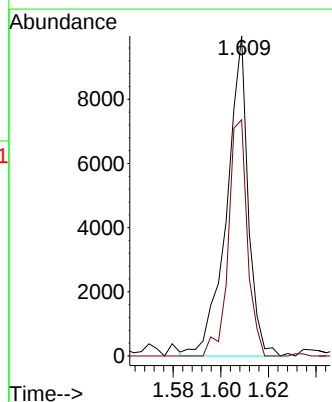
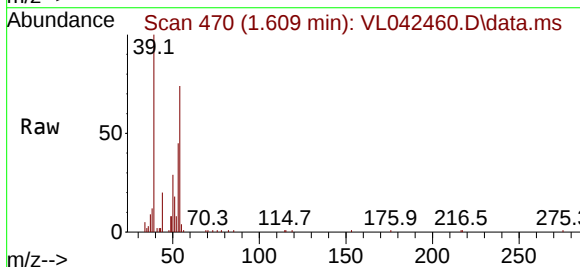
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

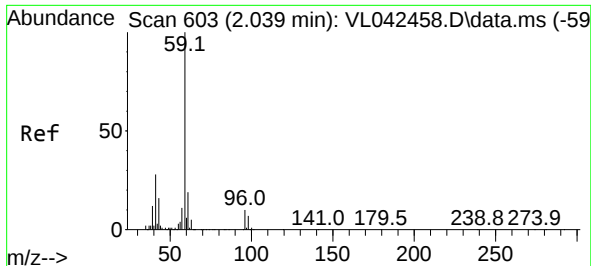
Tgt Ion: 43 Resp: 14974
Ion Ratio Lower Upper
43 100
58 25.9 19.8 29.8



#16
1,3-Butadiene
Concen: 1.085 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

Tgt Ion: 39 Resp: 6248
Ion Ratio Lower Upper
39 100
54 65.7 55.2 82.8





#17

tert-Butyl alcohol

Concen: 1.004 ppbv

RT: 2.039 min Scan# 603

Delta R.T. -0.000 min

Lab File: VL042460.D

Acq: 01 May 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

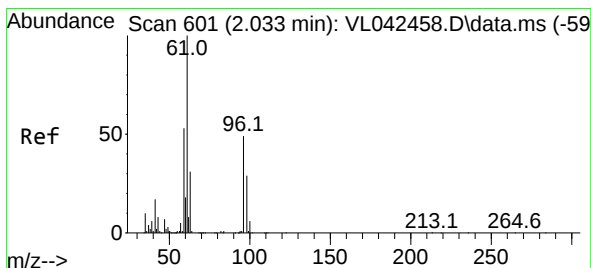
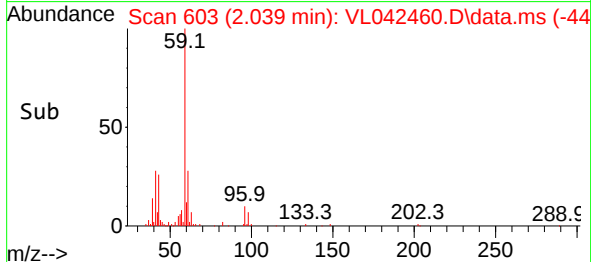
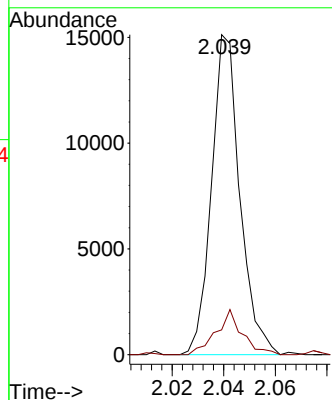
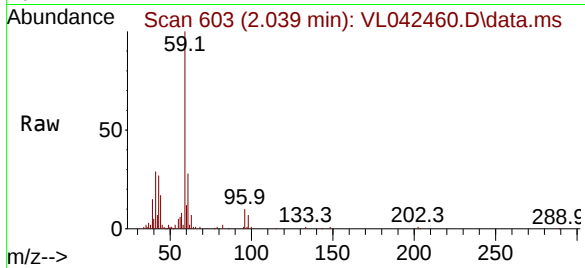
VSTDIC001

Tgt Ion: 59 Resp: 11546

Ion Ratio Lower Upper

59 100

57 13.7 8.3 12.5#



#18

1,1-Dichloroethene

Concen: 1.032 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.000 min

Lab File: VL042460.D

Acq: 01 May 2025 10:08

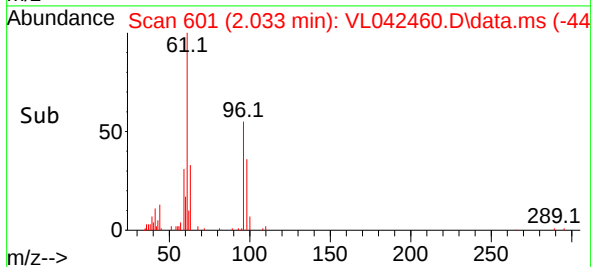
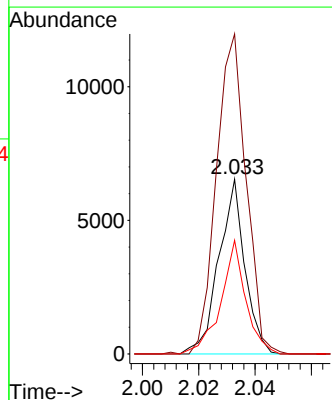
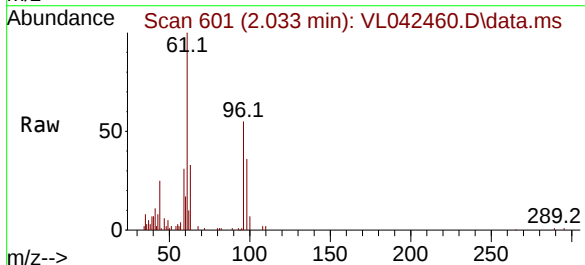
Tgt Ion: 96 Resp: 4200

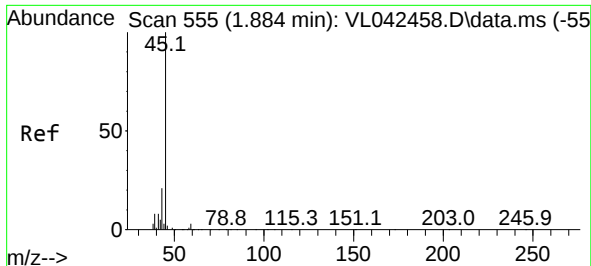
Ion Ratio Lower Upper

96 100

61 181.9 164.9 247.3

98 65.1 48.2 72.2

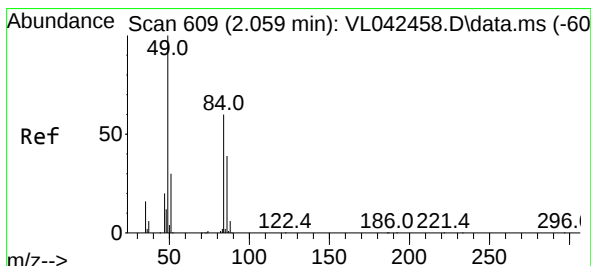
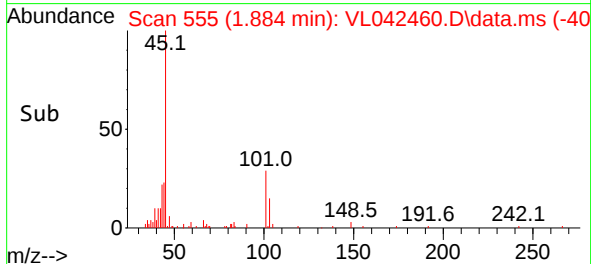
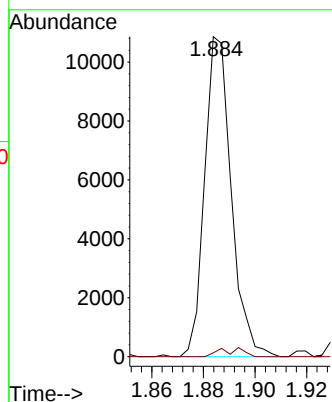
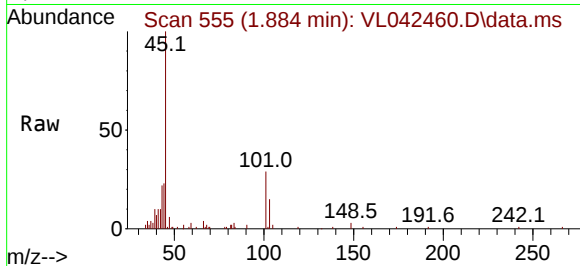




#19
Isopropyl Alcohol
Concen: 1.076 ppbv
RT: 1.884 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

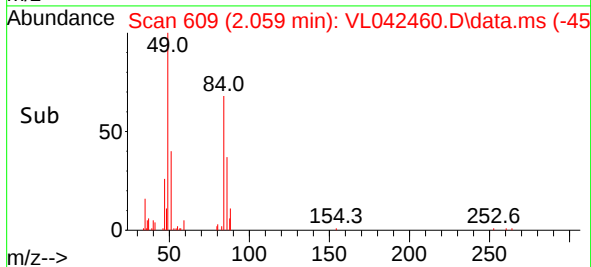
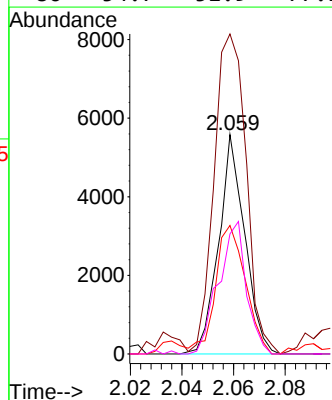
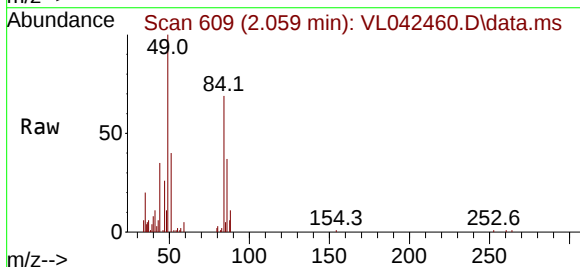
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

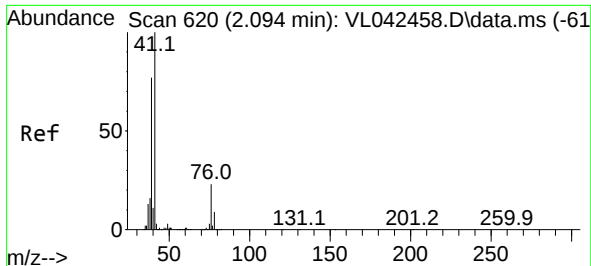
Tgt Ion: 45 Resp: 7775
Ion Ratio Lower Upper
45 100
58 2.3 1.6 2.4



#20
Methylene Chloride
Concen: 0.996 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

Tgt Ion: 84 Resp: 3909
Ion Ratio Lower Upper
84 100
49 145.9 133.9 200.9
51 58.5 41.0 61.6
86 54.7 51.9 77.9

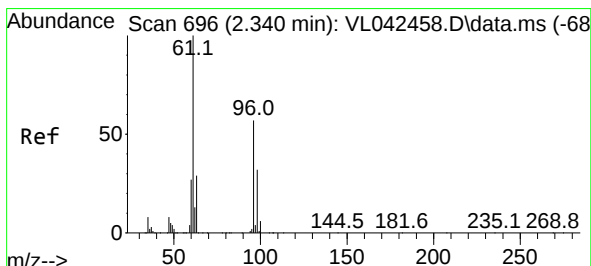
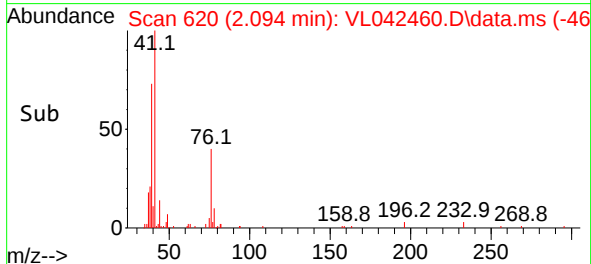
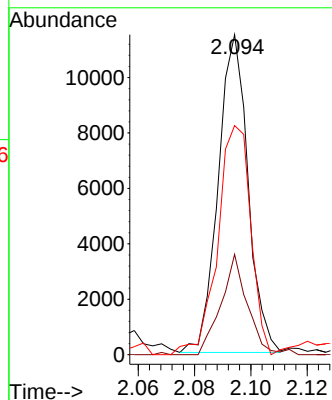
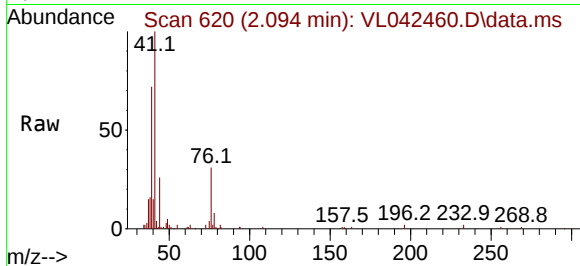




#21
 Allyl Chloride
 Concen: 1.006 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042460.D
 Acq: 01 May 2025 10:08

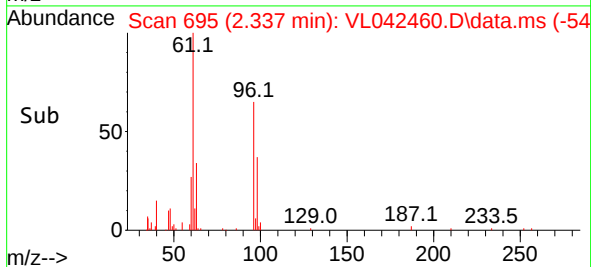
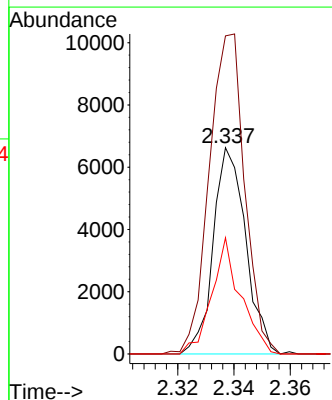
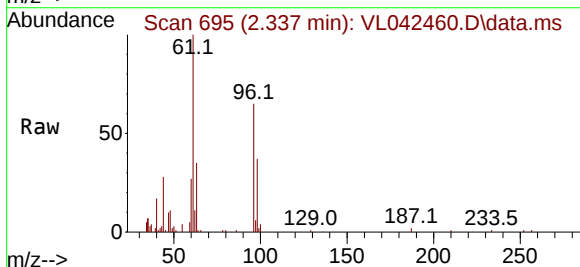
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

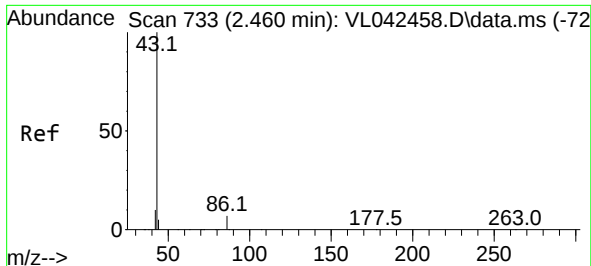
Tgt Ion: 41 Resp: 8443
 Ion Ratio Lower Upper
 41 100
 76 28.4 19.6 29.4
 39 81.3 61.0 91.4



#22
 trans-1,2-Dichloroethene
 Concen: 1.116 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. -0.003 min
 Lab File: VL042460.D
 Acq: 01 May 2025 10:08

Tgt Ion: 96 Resp: 5305
 Ion Ratio Lower Upper
 96 100
 61 154.3 141.8 212.6
 98 56.3 45.0 67.6

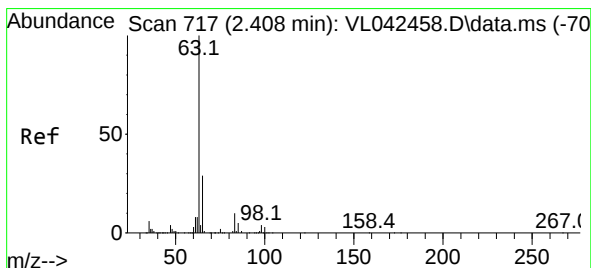
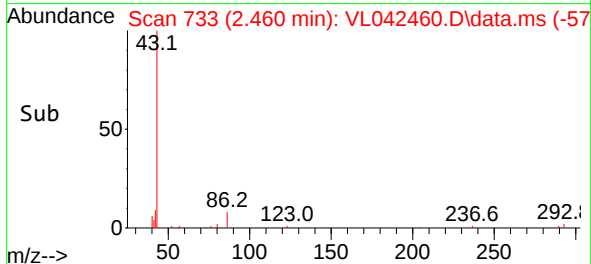
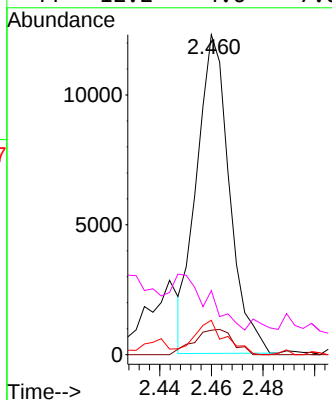
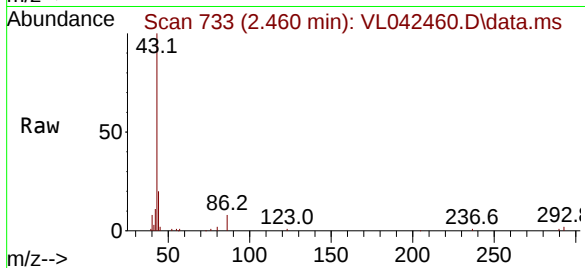




#23
 Vinyl Acetate
 Concen: 0.894 ppbv
 RT: 2.460 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VL042460.D
 Acq: 01 May 2025 10:08

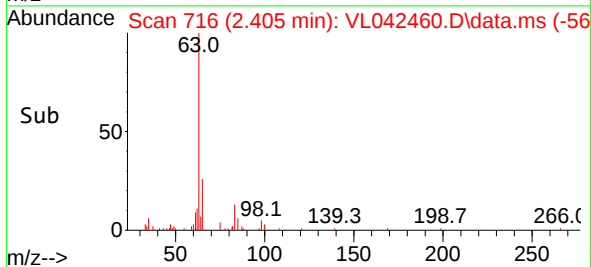
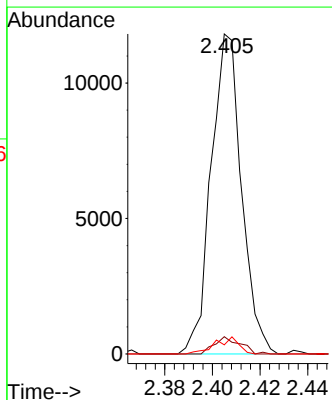
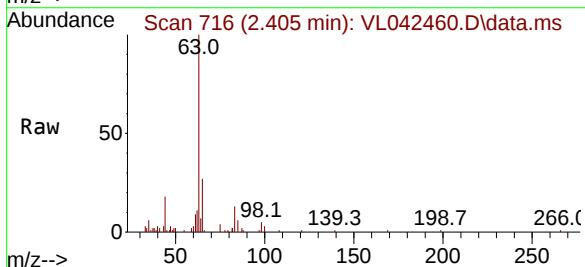
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

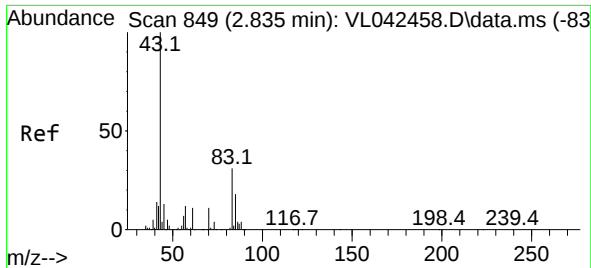
Tgt Ion: 43	Resp: 10876
Ion Ratio	Lower Upper
43 100	
86 7.7	5.5 8.3
42 10.3	8.3 12.5
44 12.2	4.6 7.0#



#24
 1,1-Dichloroethane
 Concen: 1.080 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042460.D
 Acq: 01 May 2025 10:08

Tgt Ion: 63	Resp: 10477
Ion Ratio	Lower Upper
63 100	
98 5.4	1.8 5.5
100 2.9	1.4 4.2

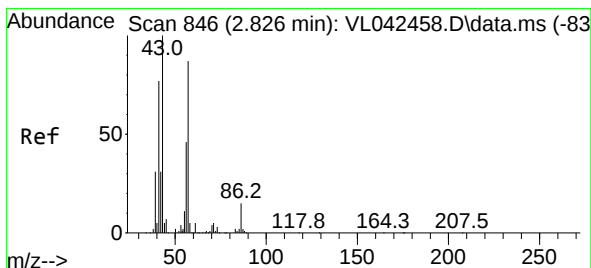
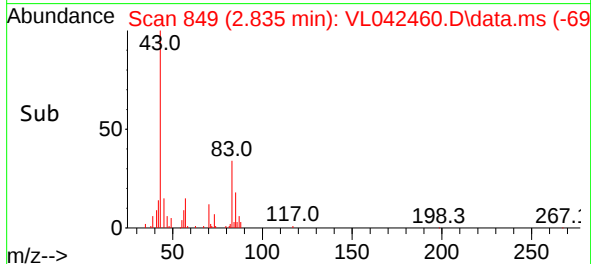
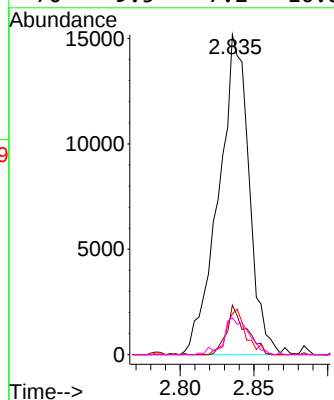
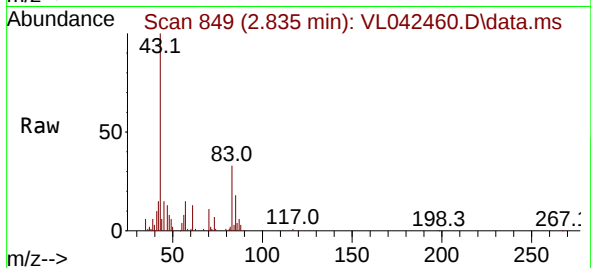




#25
Ethyl Acetate
Concen: 1.041 ppbv
RT: 2.835 min Scan# 849
Delta R.T. -0.000 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

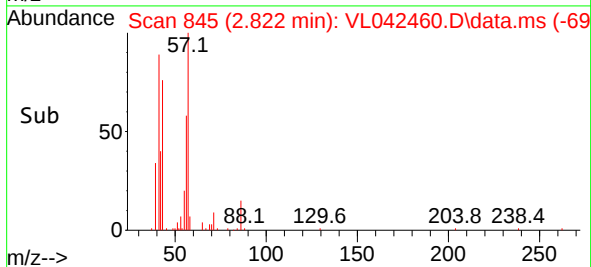
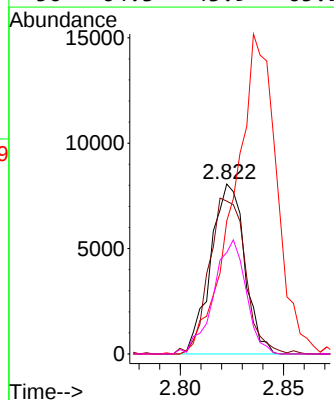
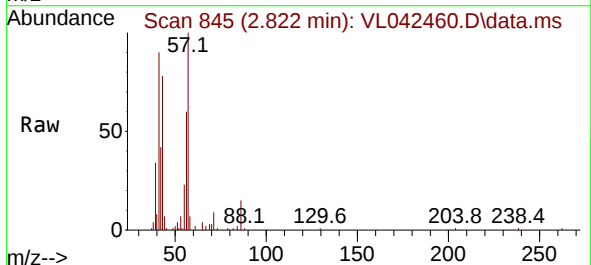
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

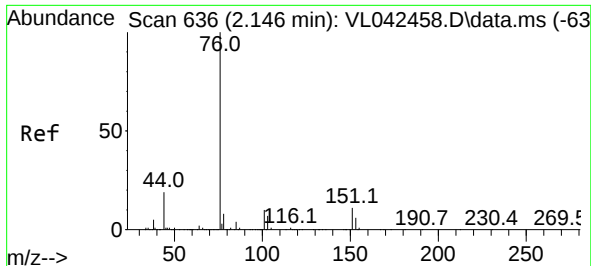
Tgt Ion: 43	Resp: 21761
Ion Ratio	Lower Upper
43 100	
45 9.9	7.8 11.6
61 9.1	7.2 10.8
70 9.5	7.2 10.8



#26
Hexane
Concen: 1.013 ppbv
RT: 2.822 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

Tgt Ion: 57	Resp: 9223
Ion Ratio	Lower Upper
57 100	
41 98.1	77.8 116.8
43 237.0	187.0 280.6
56 64.3	43.9 65.9





#27

Carbon Disulfide

Concen: 0.973 ppbv

RT: 2.149 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL042460.D

Acq: 01 May 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

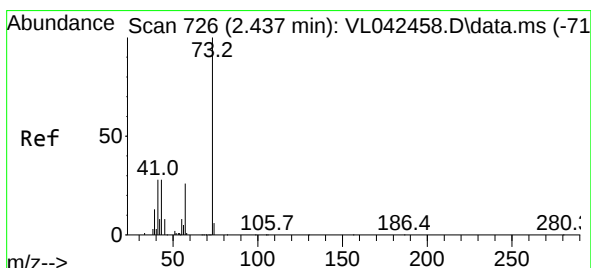
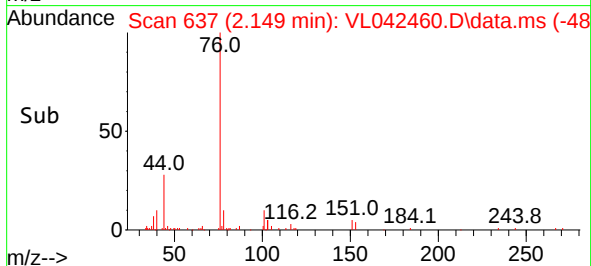
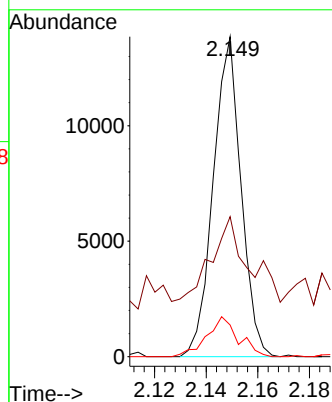
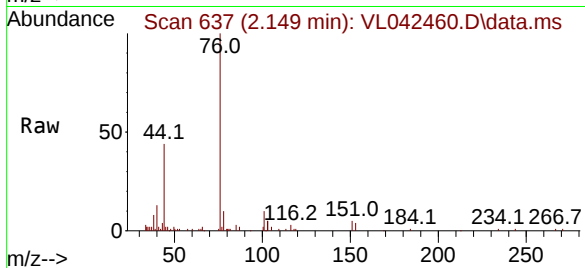
Tgt Ion: 76 Resp: 10342

Ion Ratio Lower Upper

76 100

44 81.2 21.0 31.6#

78 14.3 8.6 13.0#



#28

Methyl tert-Butyl Ether

Concen: 1.115 ppbv

RT: 2.441 min Scan# 727

Delta R.T. 0.003 min

Lab File: VL042460.D

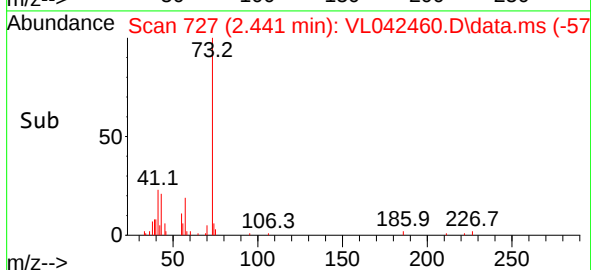
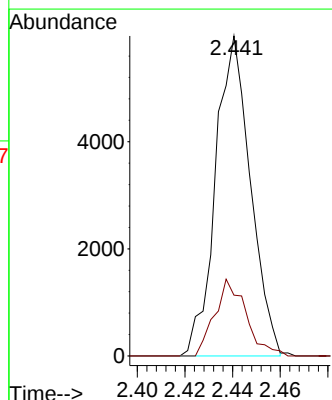
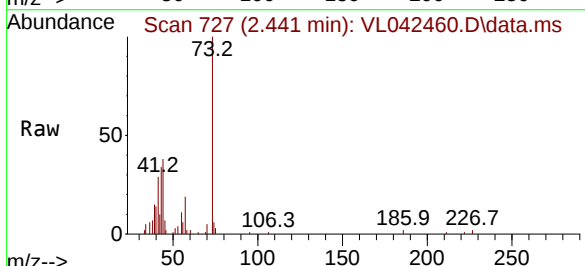
Acq: 01 May 2025 10:08

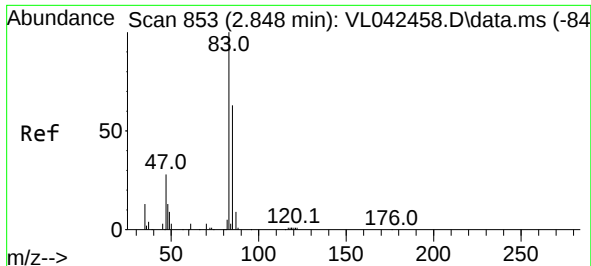
Tgt Ion: 73 Resp: 6101

Ion Ratio Lower Upper

73 100

57 21.5 19.9 29.9





#29

Chloroform

Concen: 1.040 ppbv

RT: 2.848 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL042460.D

Acq: 01 May 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

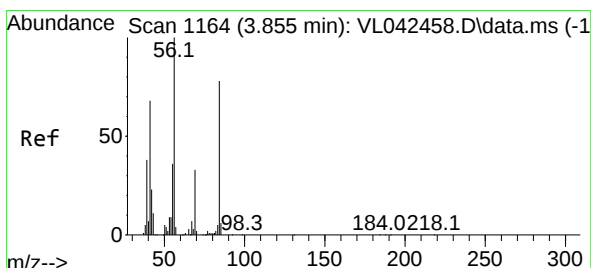
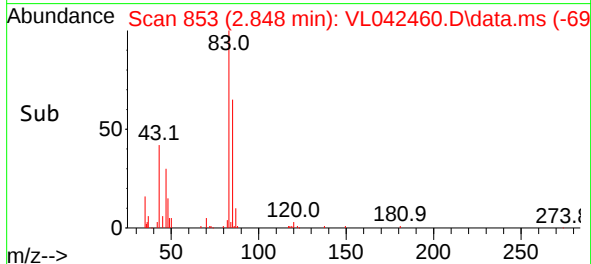
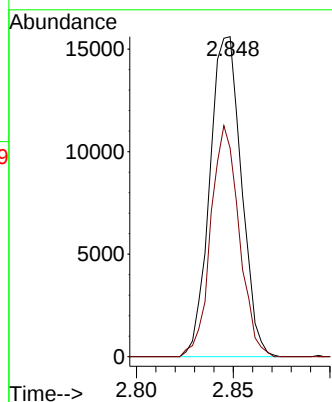
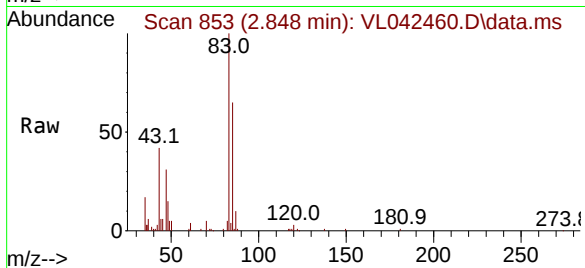
VSTDICC001

Tgt Ion: 83 Resp: 17744

Ion Ratio Lower Upper

83 100

85 65.2 50.4 75.6



#30

Cyclohexane

Concen: 0.938 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. -0.003 min

Lab File: VL042460.D

Acq: 01 May 2025 10:08

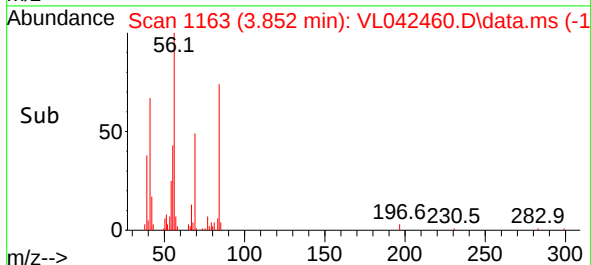
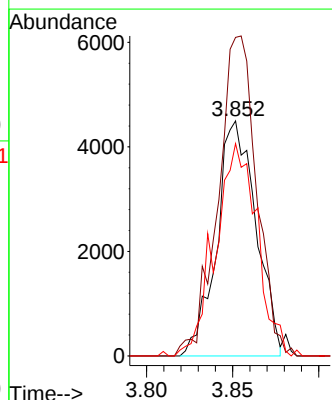
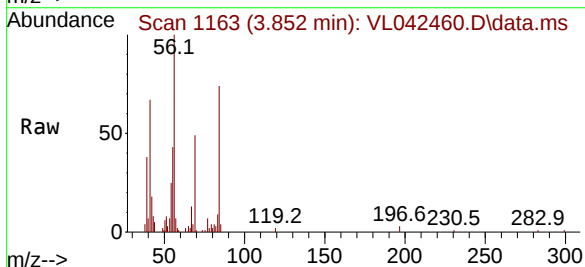
Tgt Ion: 84 Resp: 7139

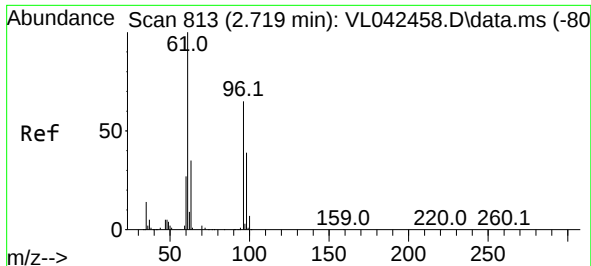
Ion Ratio Lower Upper

84 100

56 133.7 98.1 147.1

41 95.9 65.8 98.8

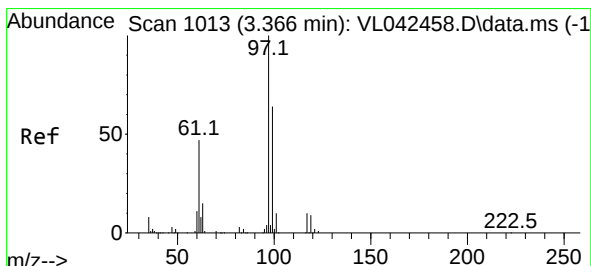
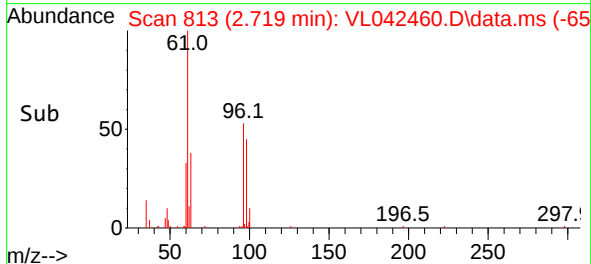
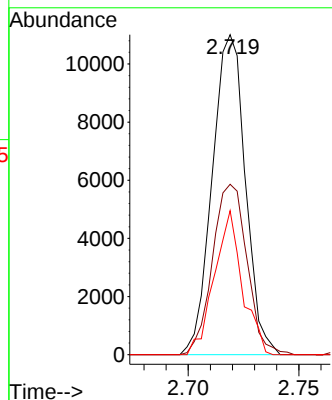
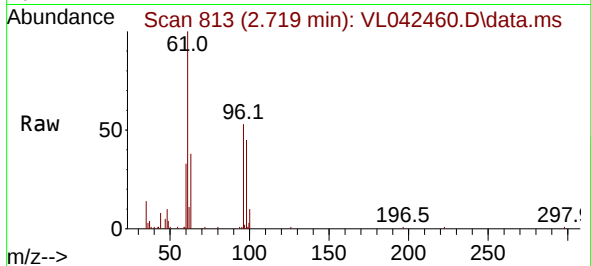




#31
 cis-1,2-Dichloroethene
 Concen: 1.080 ppbv
 RT: 2.719 min Scan# 813
 Delta R.T. -0.000 min
 Lab File: VL042460.D
 Acq: 01 May 2025 10:08

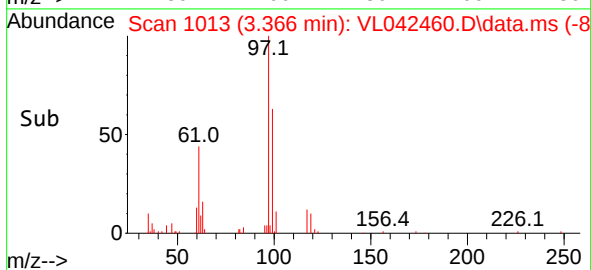
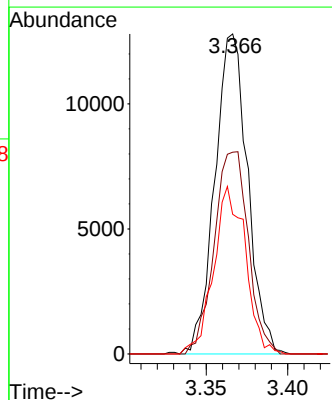
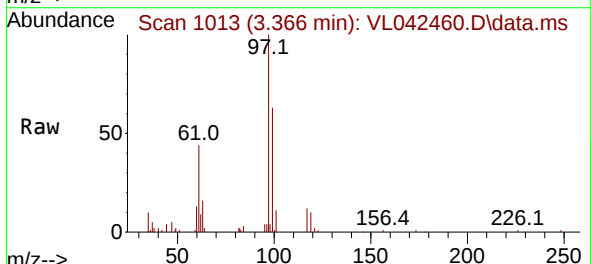
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

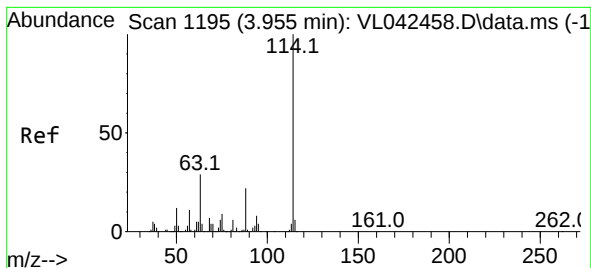
Tgt Ion: 61 Resp: 11472
 Ion Ratio Lower Upper
 61 100
 96 53.3 52.0 78.0
 98 45.0 31.0 46.6



#32
 1,1,1-Trichloroethane
 Concen: 0.966 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. -0.000 min
 Lab File: VL042460.D
 Acq: 01 May 2025 10:08

Tgt Ion: 97 Resp: 17881
 Ion Ratio Lower Upper
 97 100
 99 65.8 50.7 76.1
 61 50.6 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.000 min

Lab File: VL042460.D

Acq: 01 May 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

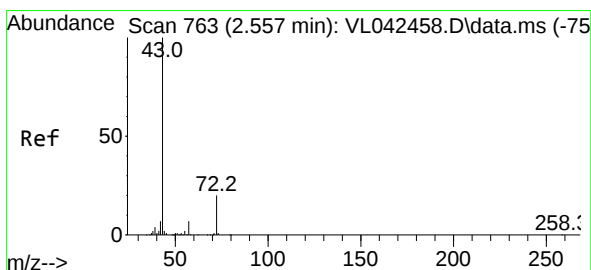
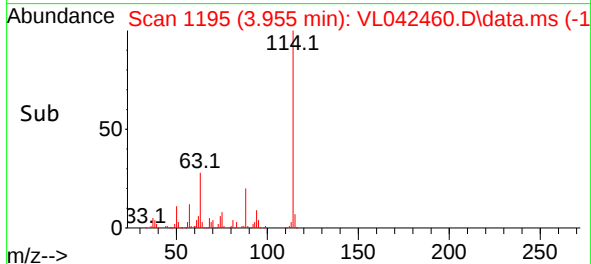
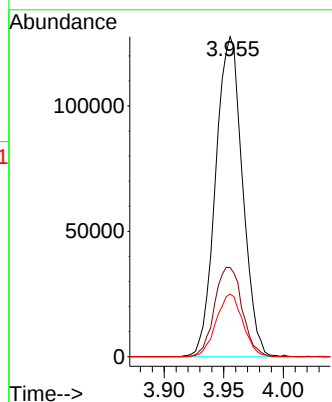
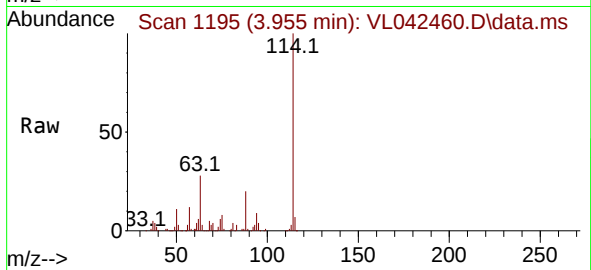
Tgt Ion:114 Resp: 200111

Ion Ratio Lower Upper

114 100

63 28.8 23.1 34.7

88 19.4 16.1 24.1



#34

2-Butanone

Concen: 1.012 ppbv

RT: 2.560 min Scan# 764

Delta R.T. 0.003 min

Lab File: VL042460.D

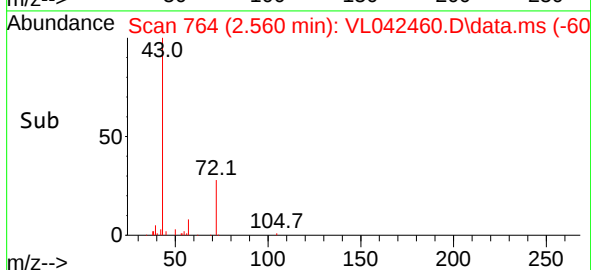
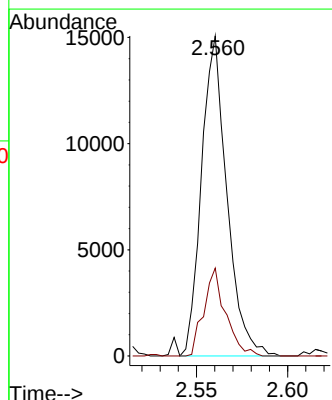
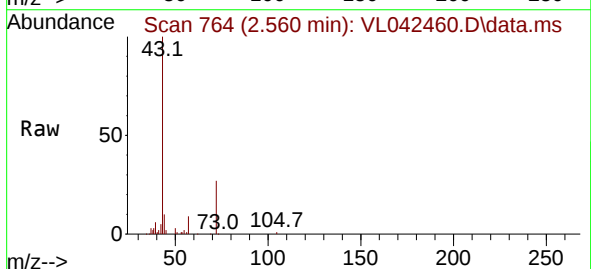
Acq: 01 May 2025 10:08

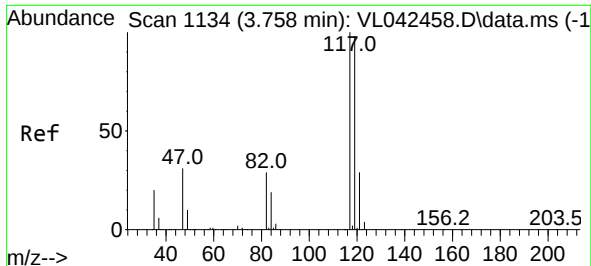
Tgt Ion: 43 Resp: 14641

Ion Ratio Lower Upper

43 100

72 23.5 16.7 25.1

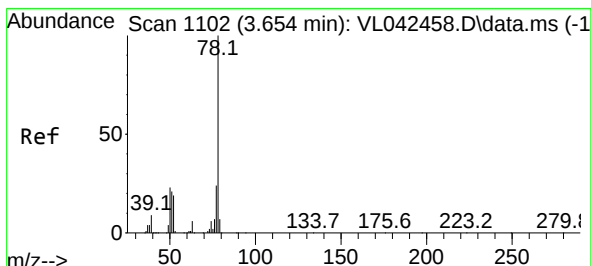
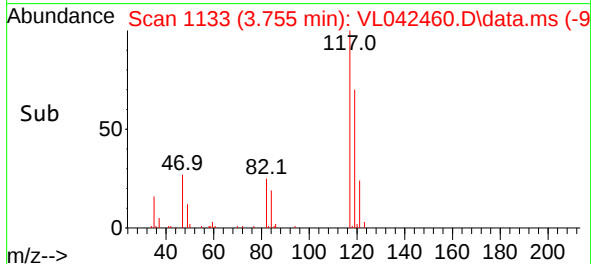
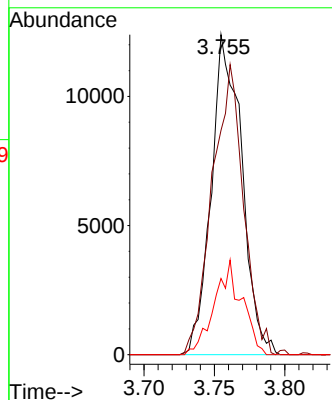
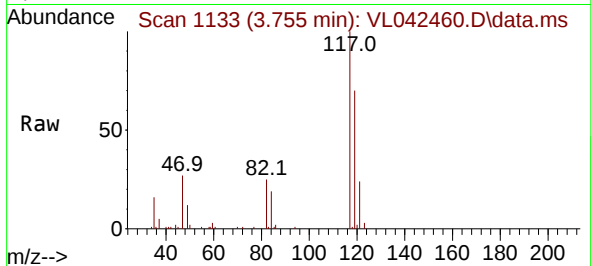




#35
Carbon Tetrachloride
Concen: 1.075 ppbv
RT: 3.755 min Scan# 1133
Delta R.T. -0.003 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

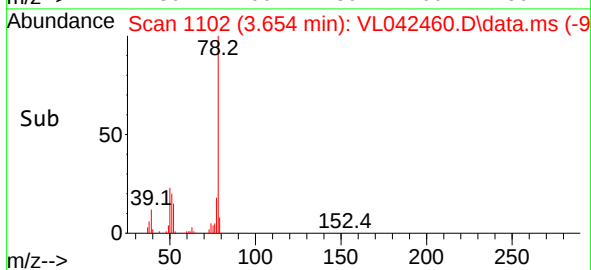
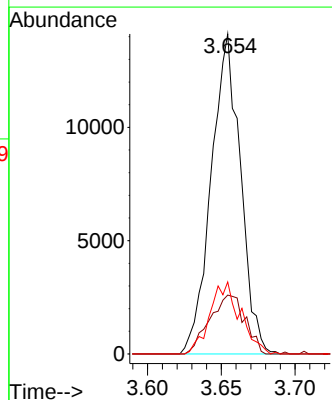
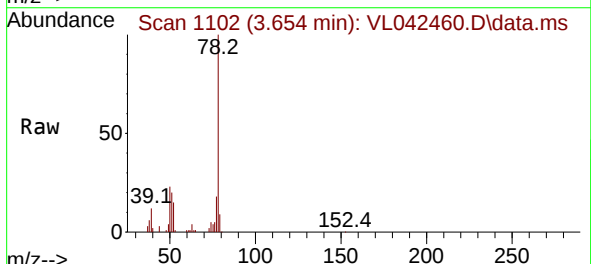
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

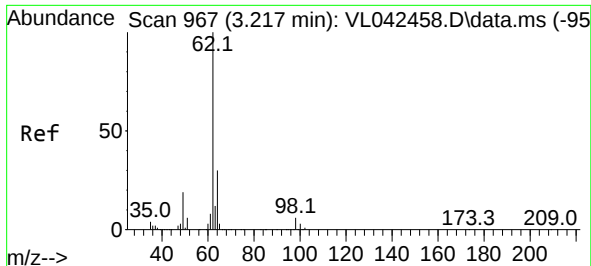
Tgt Ion:117 Resp: 18704
Ion Ratio Lower Upper
117 100
119 70.1 78.1 117.1#
121 23.8 23.0 34.6



#36
Benzene
Concen: 1.032 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

Tgt Ion: 78 Resp: 19493
Ion Ratio Lower Upper
78 100
77 18.4 18.9 28.3#
50 22.5 18.4 27.6





#37

1,2-Dichloroethane

Concen: 1.039 ppbv

RT: 3.214 min Scan# 9

Delta R.T. -0.003 min

Lab File: VL042460.D

Acq: 01 May 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

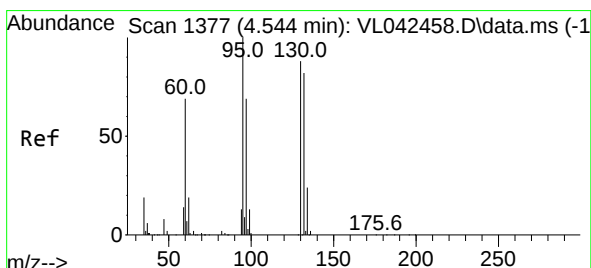
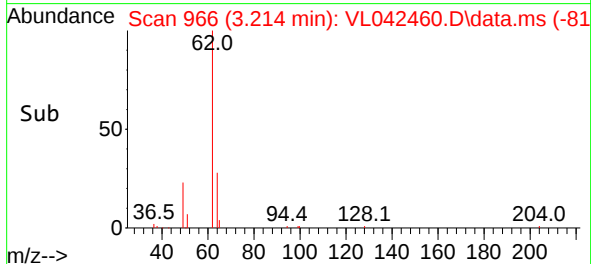
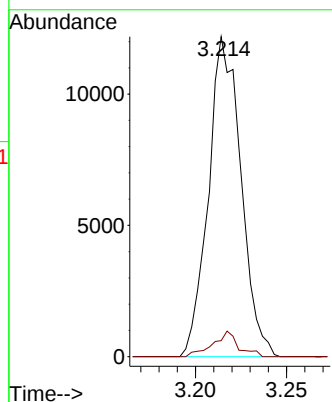
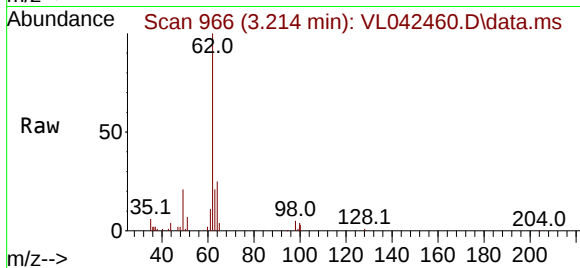
VSTDIC001

Tgt Ion: 62 Resp: 15116

Ion Ratio Lower Upper

62 100

98 6.2 4.3 6.5



#38

Trichloroethene

Concen: 0.759 ppbv

RT: 4.541 min Scan# 1376

Delta R.T. -0.003 min

Lab File: VL042460.D

Acq: 01 May 2025 10:08

Tgt Ion:130 Resp: 5464

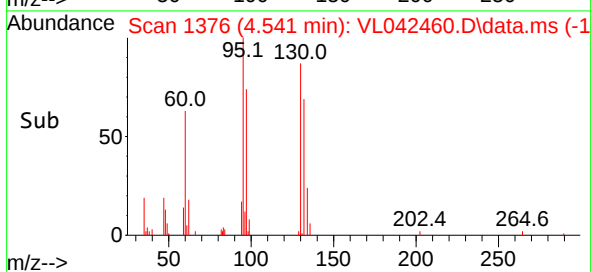
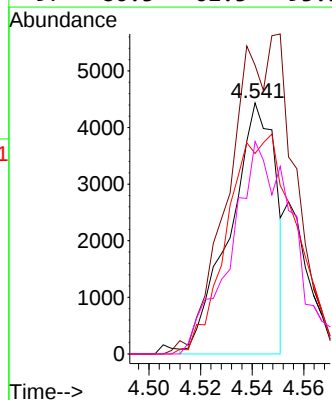
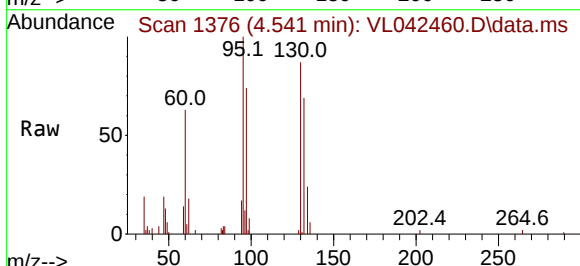
Ion Ratio Lower Upper

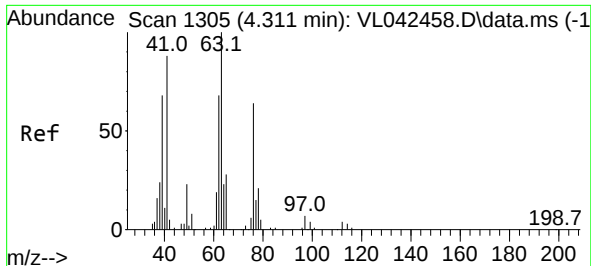
130 100

95 111.8 91.0 136.4

132 79.5 74.2 111.4

97 86.3 62.3 93.5





#39

1,2-Dichloropropane

Concen: 0.441 ppbv

RT: 4.315 min Scan# 1305

Delta R.T. 0.003 min

Lab File: VL042460.D

Acq: 01 May 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

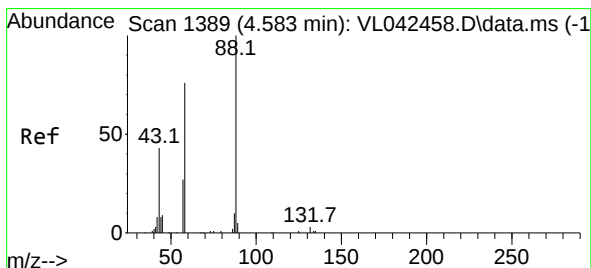
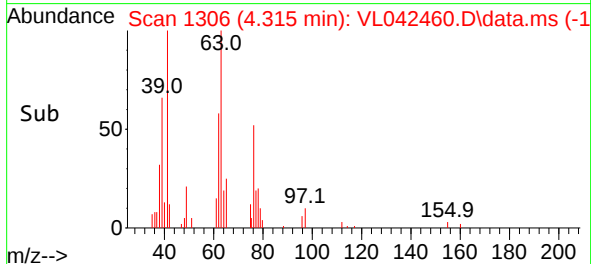
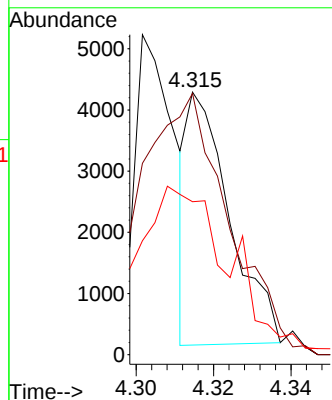
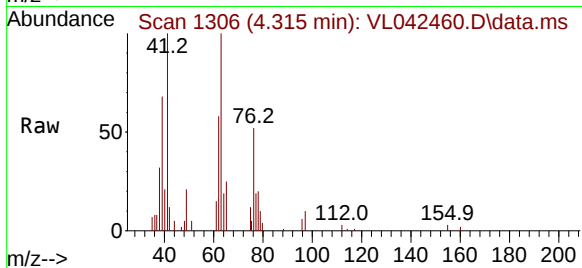
Tgt Ion: 63 Resp: 3118

Ion Ratio Lower Upper

63 100

41 93.5 69.8 104.6

62 49.2 54.3 81.5#



#40

1,4-Dioxane

Concen: 0.199 ppbv

RT: 4.616 min Scan# 1399

Delta R.T. 0.032 min

Lab File: VL042460.D

Acq: 01 May 2025 10:08

Tgt Ion: 88 Resp: 653

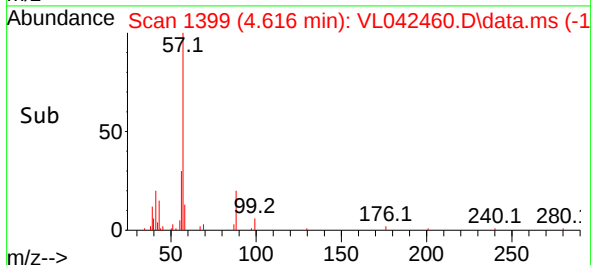
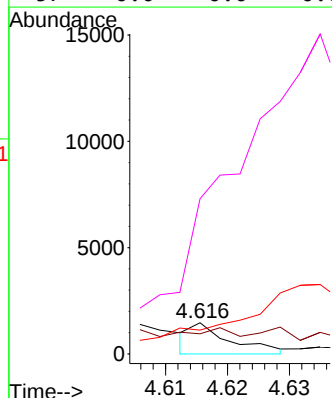
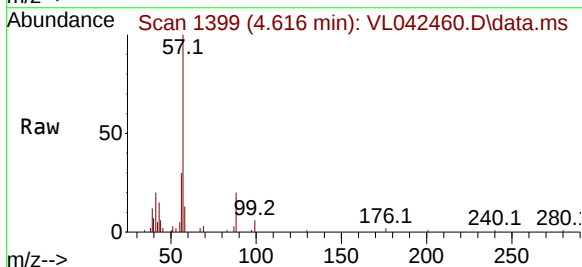
Ion Ratio Lower Upper

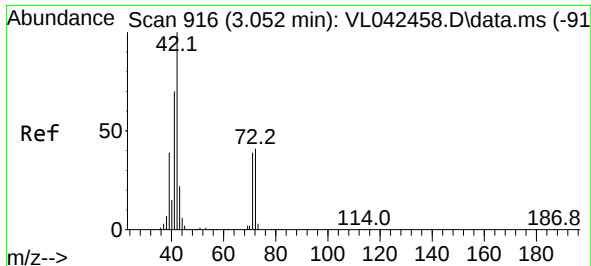
88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0

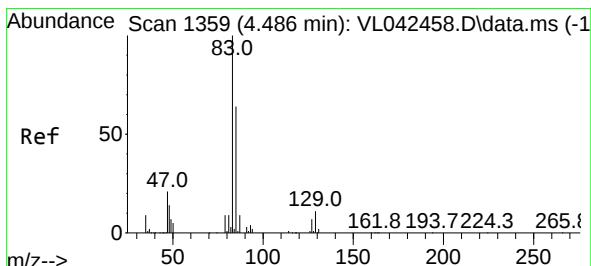
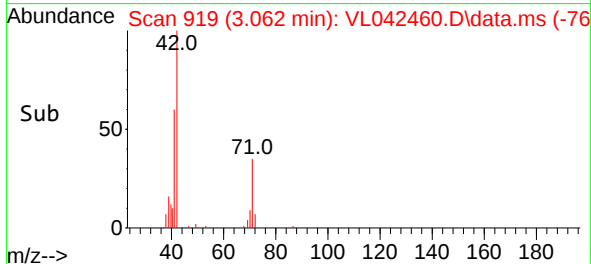
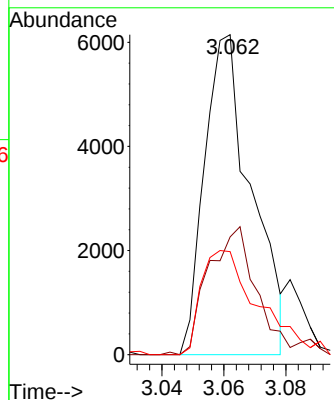
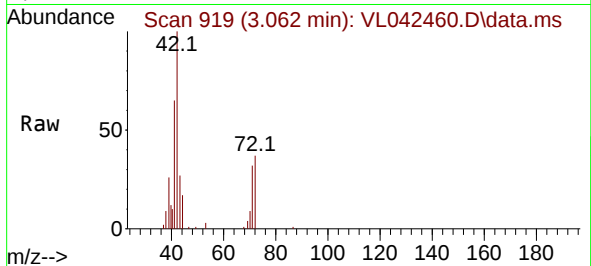




#41
Tetrahydrofuran
Concen: 0.938 ppbv
RT: 3.062 min Scan# 916
Delta R.T. 0.010 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

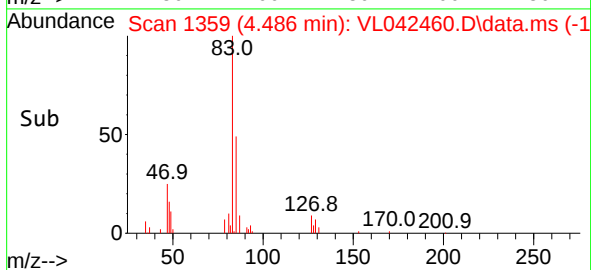
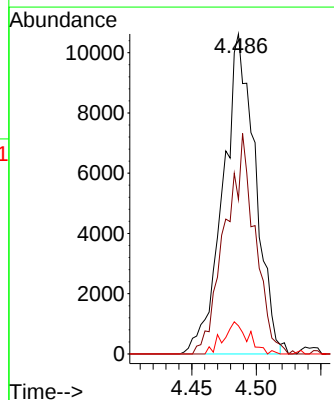
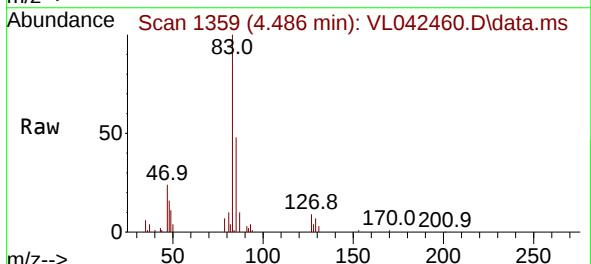
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

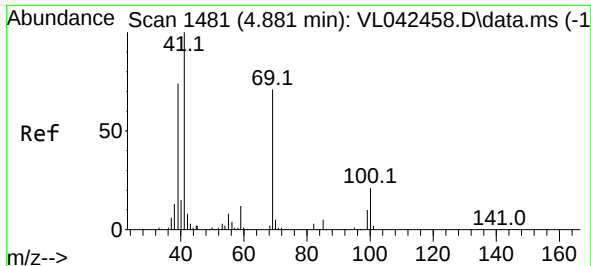
Tgt Ion:	42	Resp:	6436
Ion	Ratio	Lower	Upper
42	100		
72	42.8	33.5	50.3
71	40.7	32.6	49.0



#42
Bromodichloromethane
Concen: 1.036 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

Tgt Ion:	83	Resp:	18427
Ion	Ratio	Lower	Upper
83	100		
85	48.3	51.5	77.3#
127	8.8	5.4	8.2#

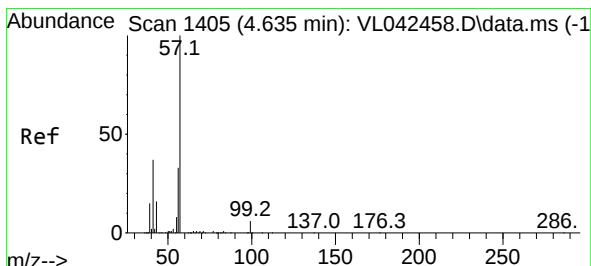
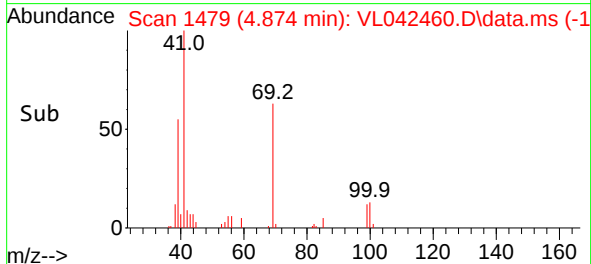
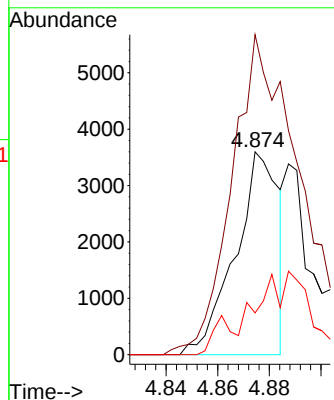
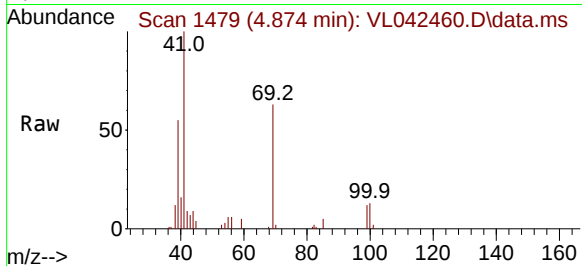




#43
Methyl Methacrylate
Concen: 0.595 ppbv
RT: 4.874 min Scan# 1479
Delta R.T. -0.006 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

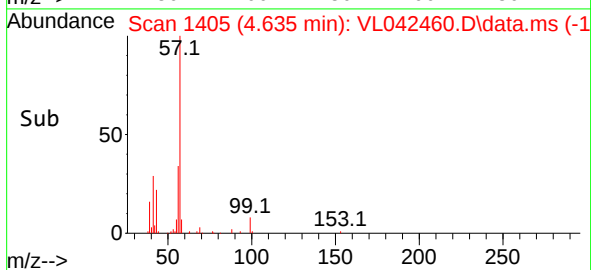
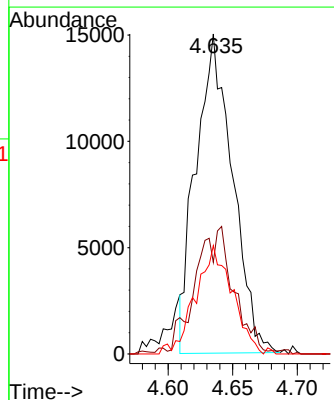
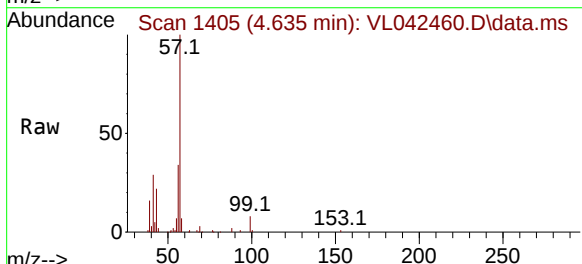
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

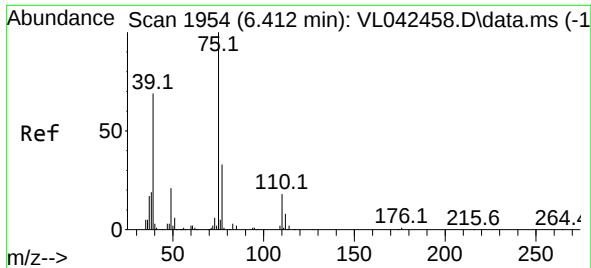
Tgt Ion: 69 Resp: 4182
Ion Ratio Lower Upper
69 100
41 251.7 120.8 181.2#
100 0.0 26.7 40.1#



#44
2,2,4-Trimethylpentane
Concen: 0.963 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. -0.000 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

Tgt Ion: 57 Resp: 29395
Ion Ratio Lower Upper
57 100
41 43.3 30.6 45.8
56 34.5 25.0 37.6

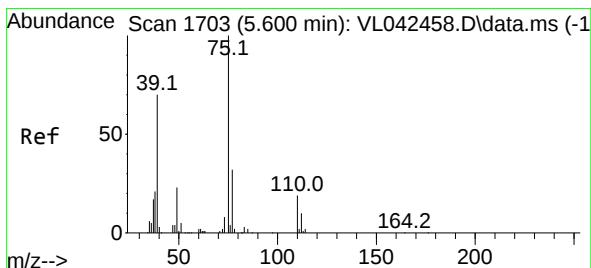
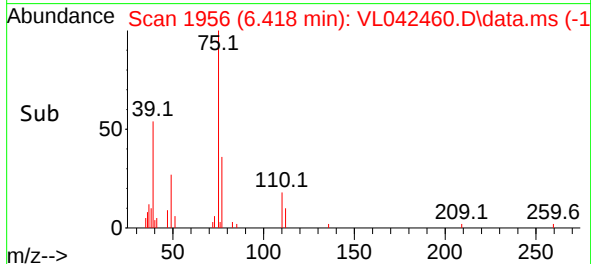
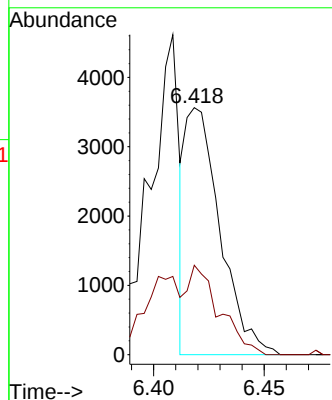
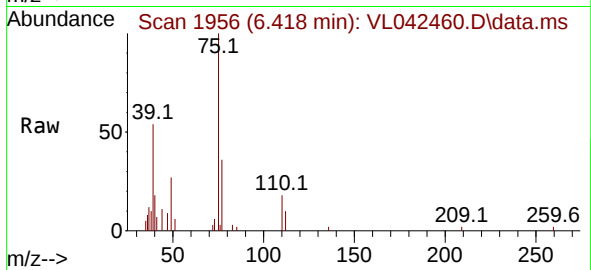




#45
 t-1,3-Dichloropropene
 Concen: 0.423 ppbv
 RT: 6.418 min Scan# 1954
 Delta R.T. 0.006 min
 Lab File: VL042460.D
 Acq: 01 May 2025 10:08

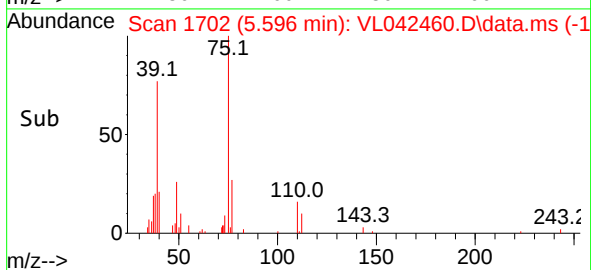
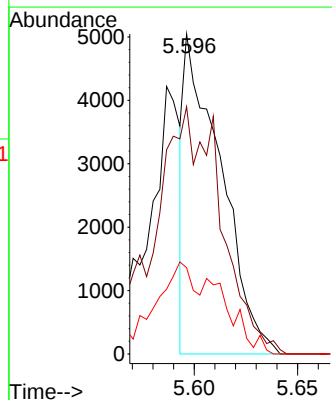
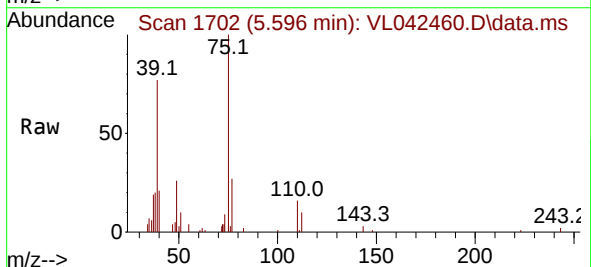
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

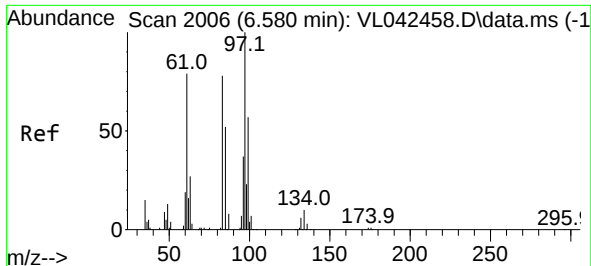
Tgt Ion: 75 Resp: 3916
 Ion Ratio Lower Upper
 75 100
 77 36.2 26.3 39.5



#46
 cis-1,3-Dichloropropene
 Concen: 0.563 ppbv
 RT: 5.596 min Scan# 1702
 Delta R.T. -0.003 min
 Lab File: VL042460.D
 Acq: 01 May 2025 10:08

Tgt Ion: 75 Resp: 6187
 Ion Ratio Lower Upper
 75 100
 39 75.9 55.7 83.5
 77 27.0 25.8 38.8





#47

1,1,2-Trichloroethane

Concen: 0.269 ppbv

RT: 6.593 min Scan# 2006

Delta R.T. 0.013 min

Lab File: VL042460.D

Acq: 01 May 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 2088

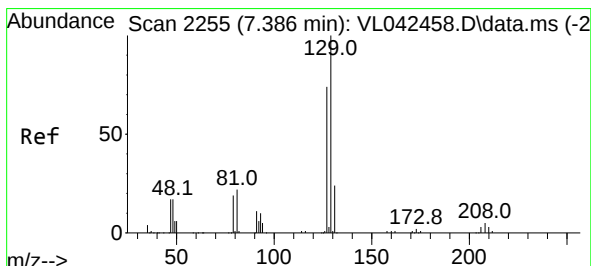
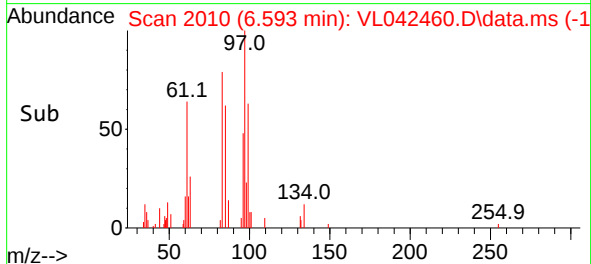
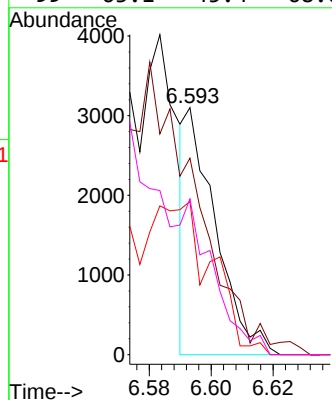
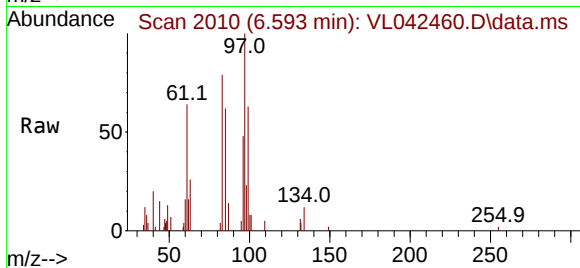
Ion Ratio Lower Upper

97 100

83 74.5 62.2 93.2

85 62.0 41.5 62.3

99 63.1 45.4 68.0



#48

Dibromochloromethane

Concen: 0.933 ppbv

RT: 7.386 min Scan# 2255

Delta R.T. -0.000 min

Lab File: VL042460.D

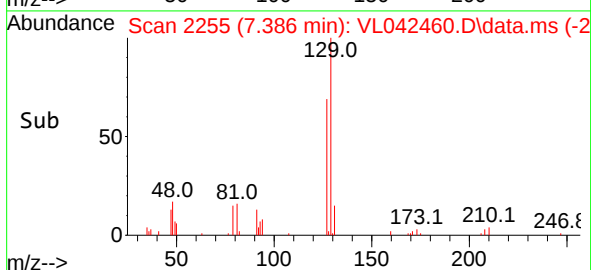
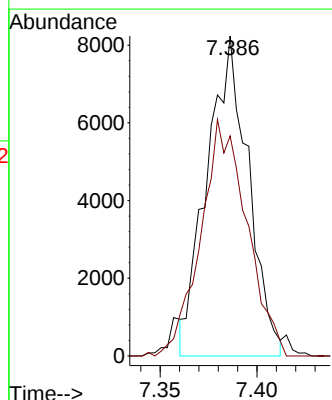
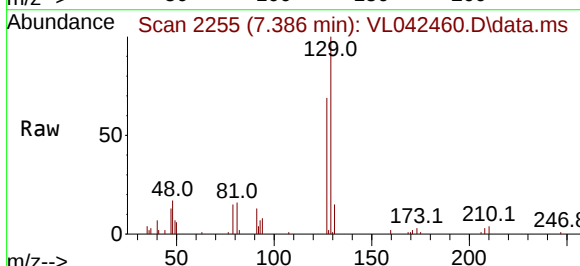
Acq: 01 May 2025 10:08

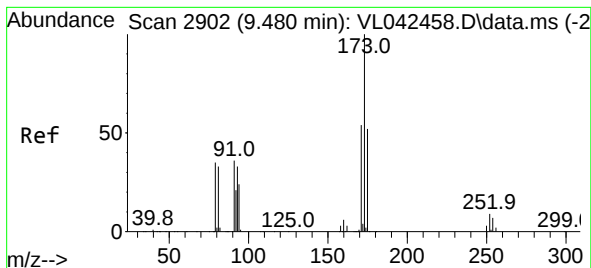
Tgt Ion: 129 Resp: 12205

Ion Ratio Lower Upper

129 100

127 82.2 39.5 118.5





#49

Bromoform

Concen: 0.976 ppbv

RT: 9.483 min Scan# 2902

Delta R.T. 0.003 min

Lab File: VL042460.D

Acq: 01 May 2025 10:08

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

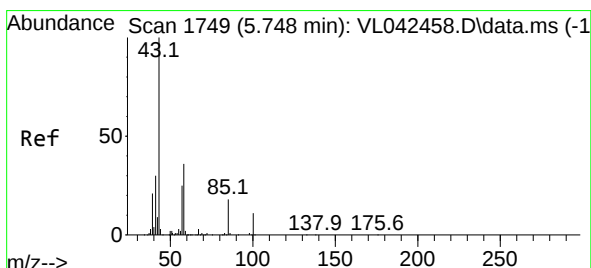
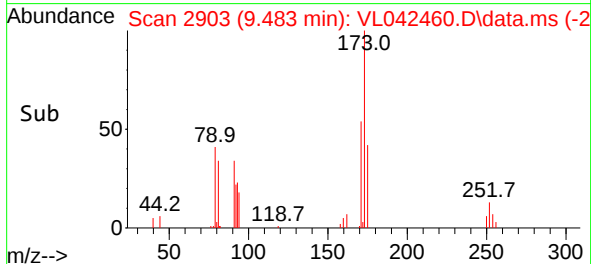
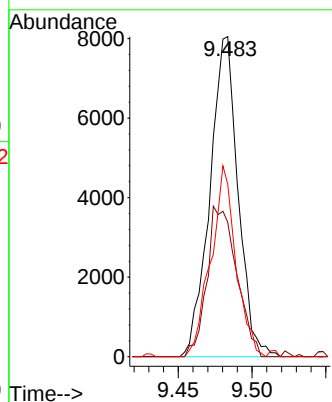
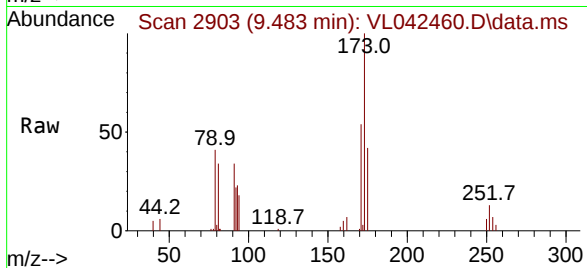
Tgt Ion:173 Resp: 10709

Ion Ratio Lower Upper

173 100

175 49.4 38.9 58.3

171 53.5 40.6 60.8



#50

4-Methyl-2-Pentanone

Concen: 0.493 ppbv

RT: 5.758 min Scan# 1752

Delta R.T. 0.010 min

Lab File: VL042460.D

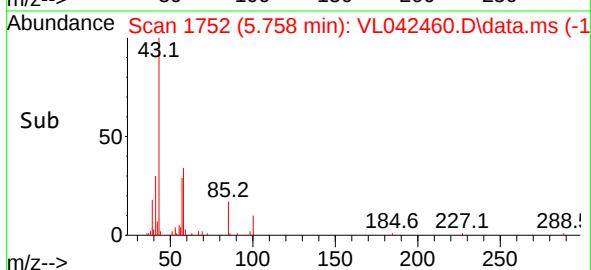
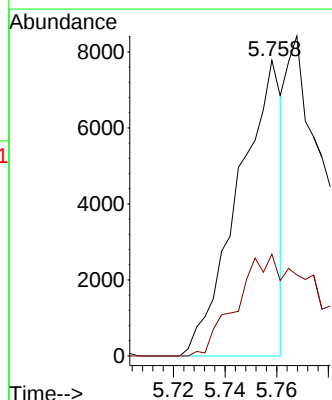
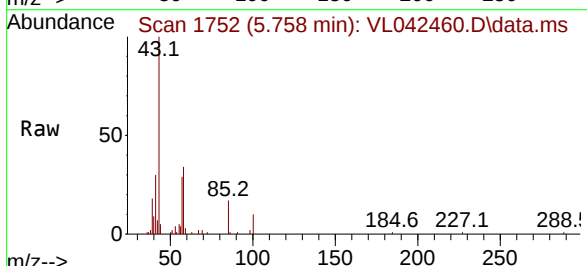
Acq: 01 May 2025 10:08

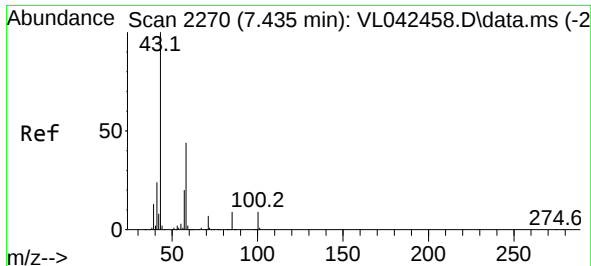
Tgt Ion: 43 Resp: 9019

Ion Ratio Lower Upper

43 100

58 70.8 29.5 44.3#

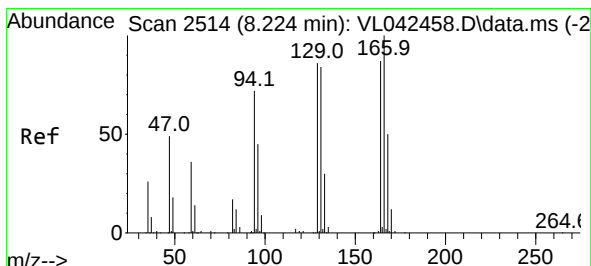
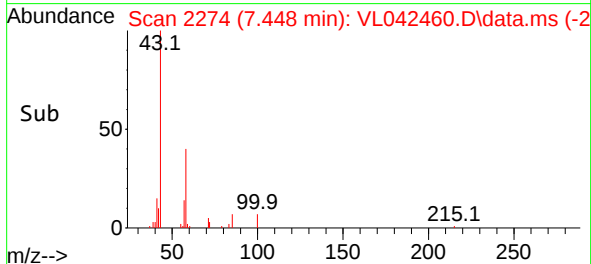
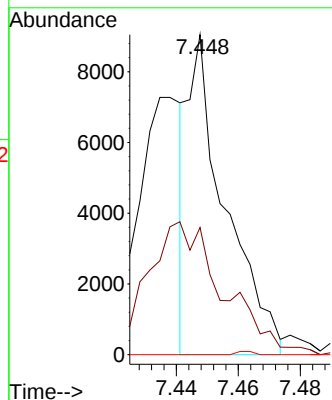
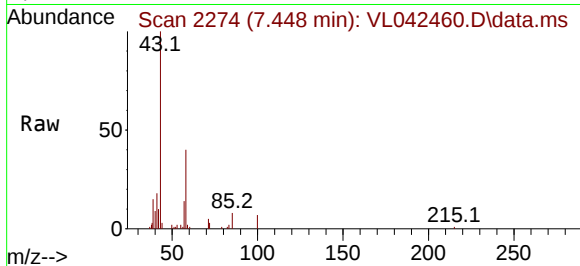




#51
2-Hexanone
Concen: 0.512 ppbv
RT: 7.448 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

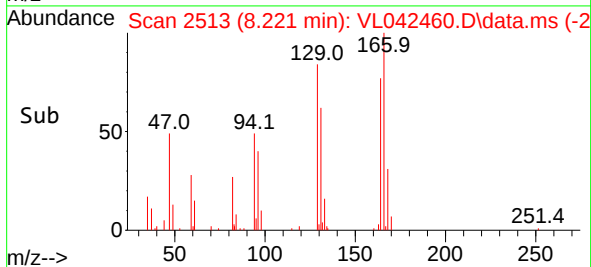
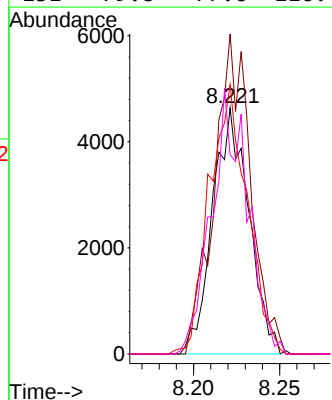
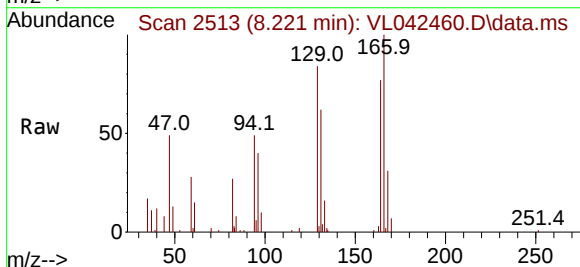
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

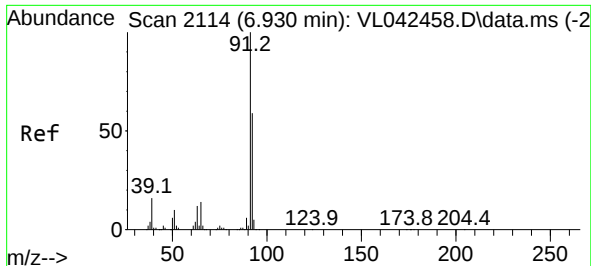
Tgt Ion: 43 Resp: 7505
Ion Ratio Lower Upper
43 100
58 0.0 37.2 55.8#
98 0.5 0.4 0.6



#52
Tetrachloroethene
Concen: 0.943 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.003 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

Tgt Ion: 164 Resp: 6780
Ion Ratio Lower Upper
164 100
166 130.2 91.6 137.4
129 107.6 79.0 118.4
131 79.8 77.6 116.4

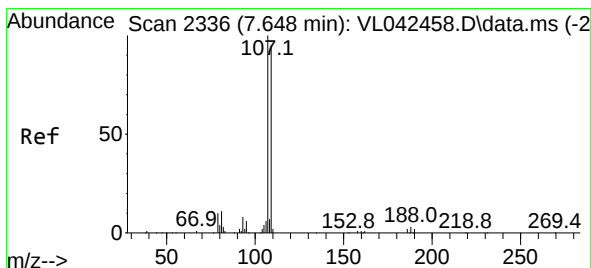
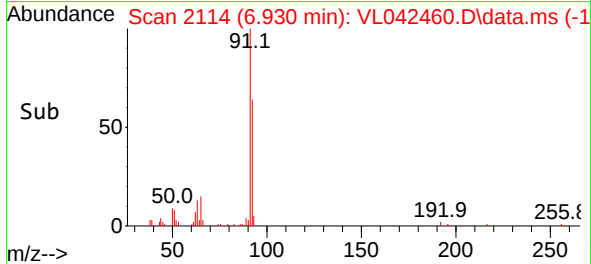
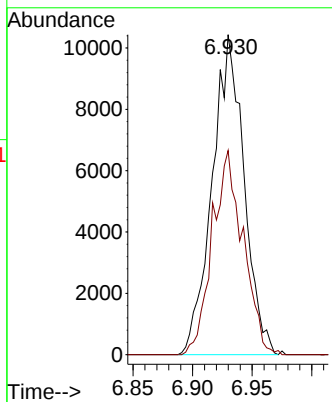
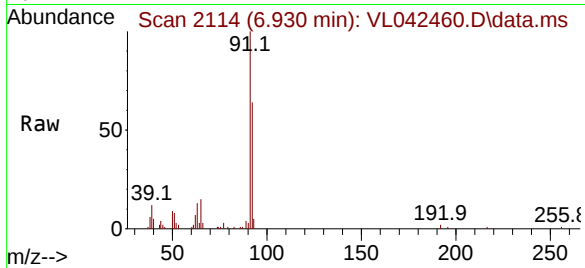




#53
Toluene
Concen: 0.970 ppbv
RT: 6.930 min Scan# 2114
Delta R.T. -0.000 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

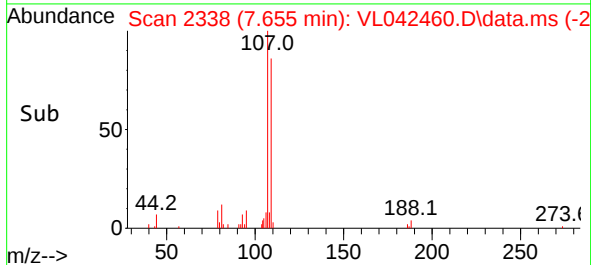
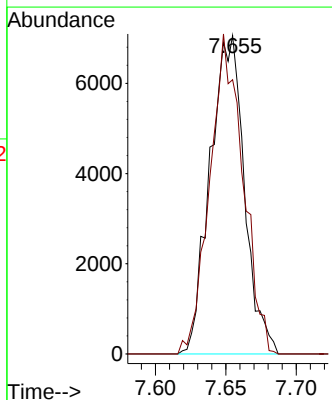
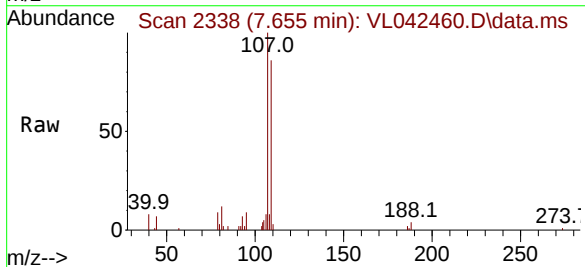
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

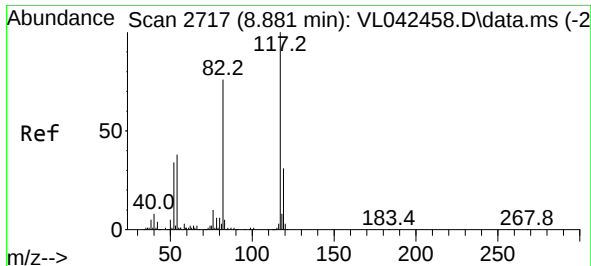
Tgt Ion: 91 Resp: 19390
Ion Ratio Lower Upper
91 100
92 61.9 47.9 71.9



#54
1,2-Dibromoethane
Concen: 1.005 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. 0.006 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

Tgt Ion: 107 Resp: 11980
Ion Ratio Lower Upper
107 100
109 86.2 76.0 114.0

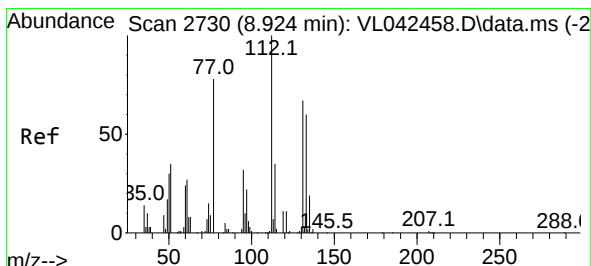
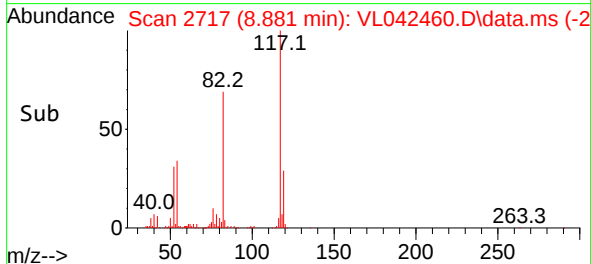
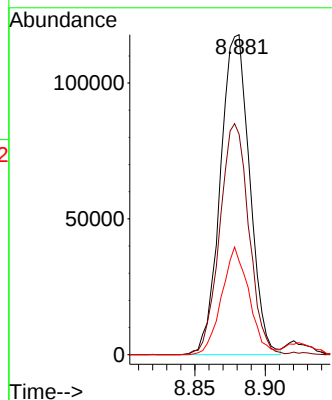
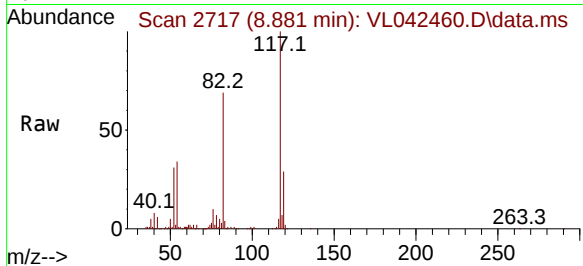




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.881 min Scan# 2717
Delta R.T. -0.000 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

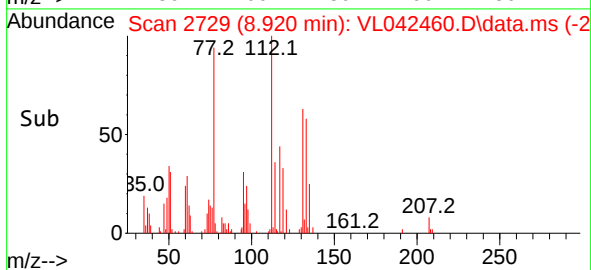
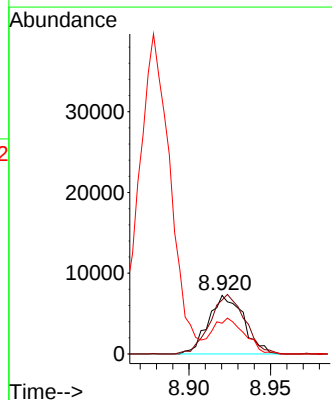
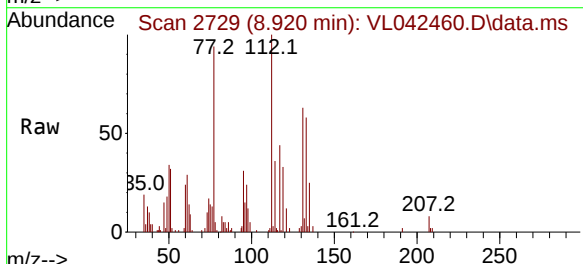
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

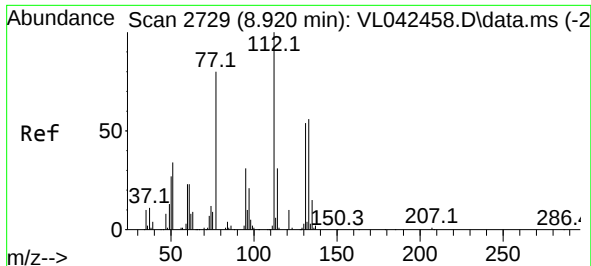
Tgt Ion:117 Resp: 170872
Ion Ratio Lower Upper
117 100
82 72.3 63.5 95.3
119 31.4 25.8 38.8



#56
1,1,1,2-Tetrachloroethane
Concen: 1.071 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

Tgt Ion:131 Resp: 10811
Ion Ratio Lower Upper
131 100
133 100.8 76.0 114.0
119 53.6 46.1 69.1

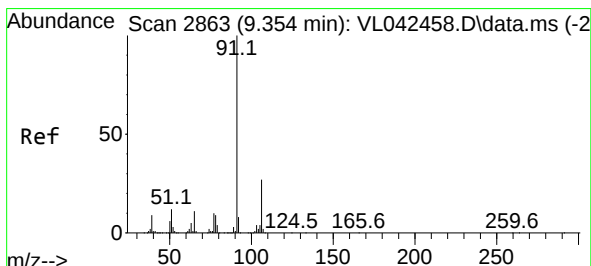
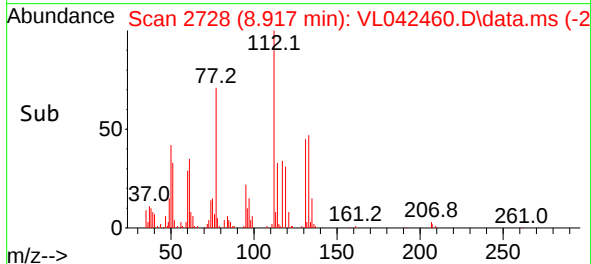
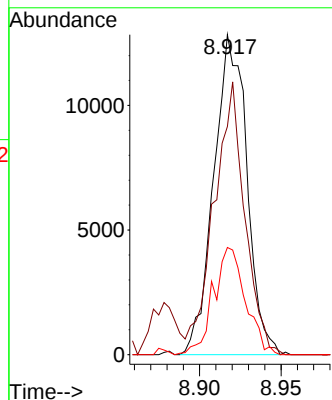
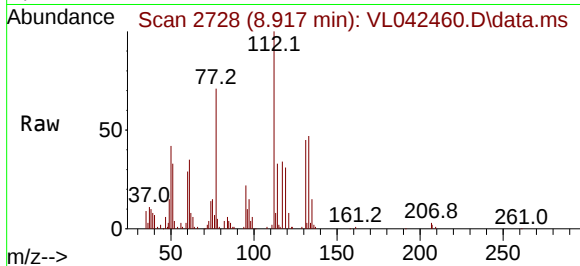




#57
Chlorobenzene
Concen: 1.055 ppbv
RT: 8.917 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

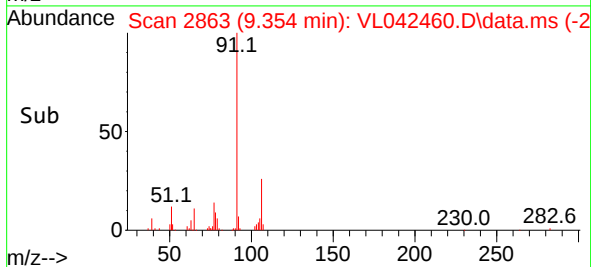
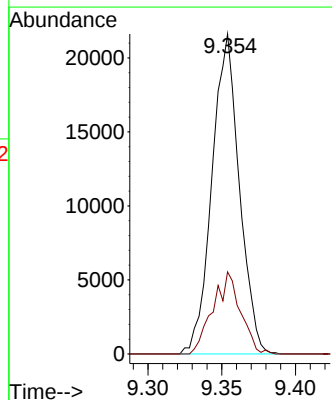
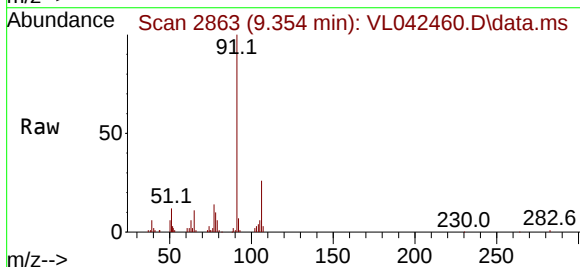
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

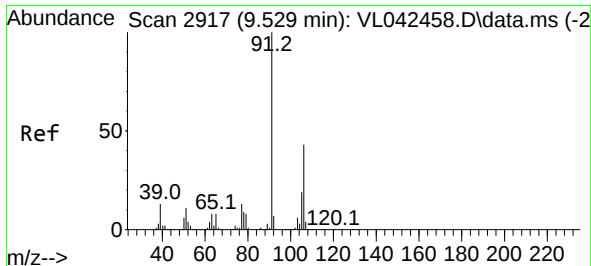
Tgt Ion:112 Resp: 18111
Ion Ratio Lower Upper
112 100
77 70.3 65.0 97.4
114 33.5 27.5 33.7



#58
Ethyl Benzene
Concen: 0.978 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. -0.000 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

Tgt Ion: 91 Resp: 27914
Ion Ratio Lower Upper
91 100
106 25.6 21.9 32.9

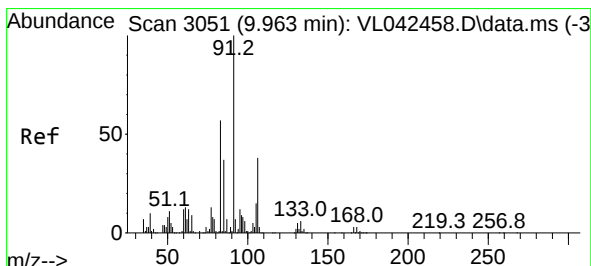
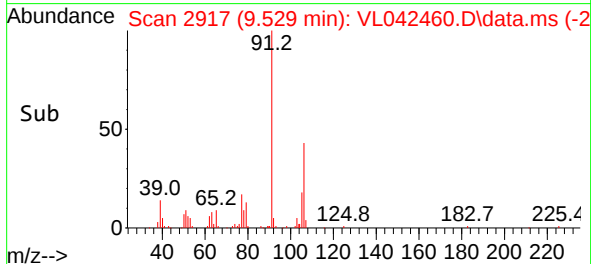
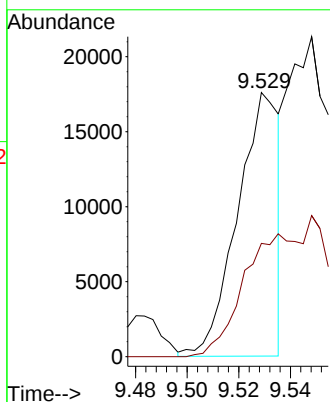
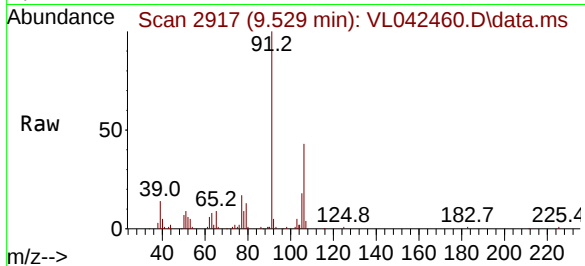




#59
m/p-Xylene
Concen: 0.817 ppbv
RT: 9.529 min Scan# 2917
Delta R.T. -0.000 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

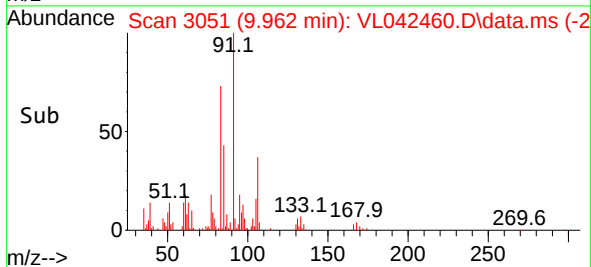
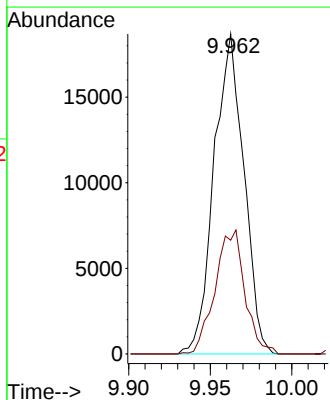
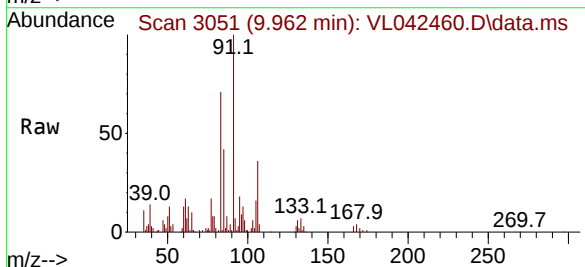
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

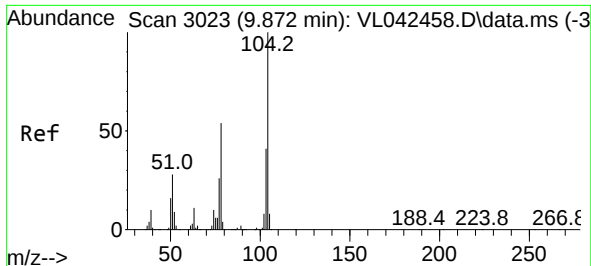
Tgt Ion: 91 Resp: 19557
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.2#



#60
o-Xylene
Concen: 0.995 ppbv
RT: 9.962 min Scan# 3051
Delta R.T. -0.000 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

Tgt Ion: 91 Resp: 23806
Ion Ratio Lower Upper
91 100
106 38.7 20.1 60.2

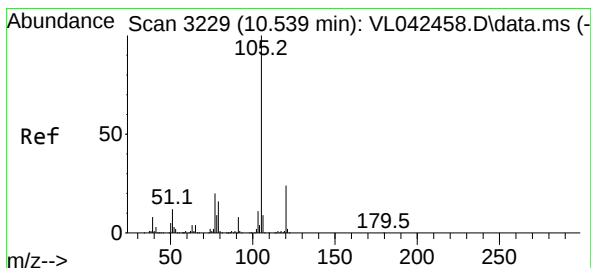
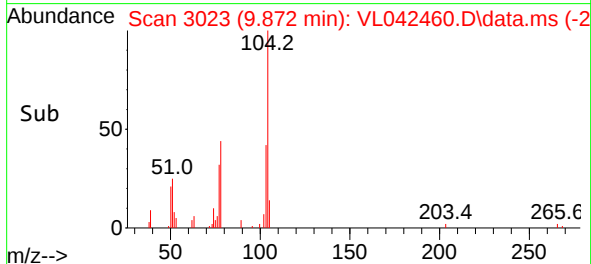
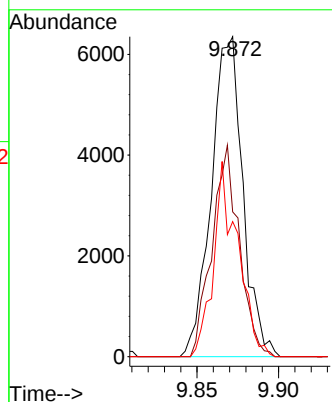
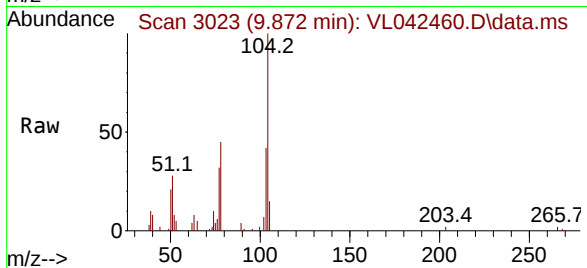




#61
Styrene
Concen: 0.954 ppbv
RT: 9.872 min Scan# 3023
Delta R.T. -0.000 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

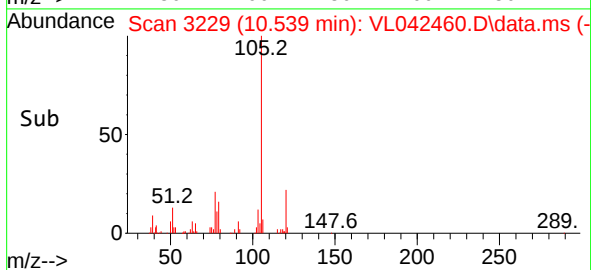
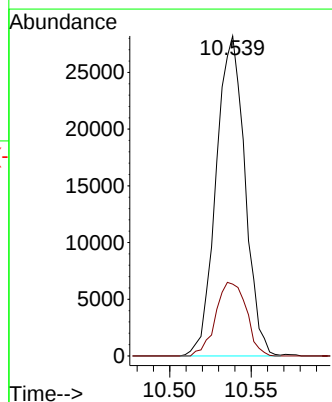
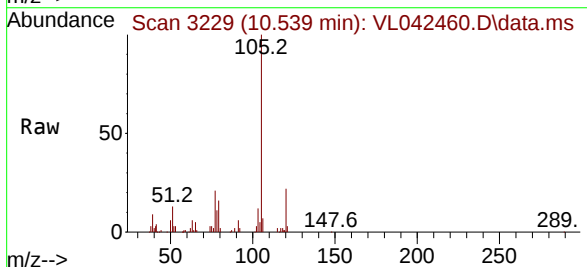
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

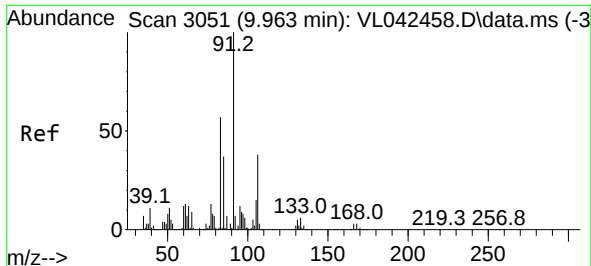
Tgt Ion:104 Resp: 8537
Ion Ratio Lower Upper
104 100
78 57.2 46.9 70.3
103 47.0 36.6 55.0



#62
Isopropylbenzene
Concen: 1.003 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.000 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

Tgt Ion:105 Resp: 34679
Ion Ratio Lower Upper
105 100
120 24.5 18.8 28.2





#63

1,1,2,2-Tetrachloroethane

Concen: 1.084 ppbv

RT: 9.962 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VL042460.D

Acq: 01 May 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

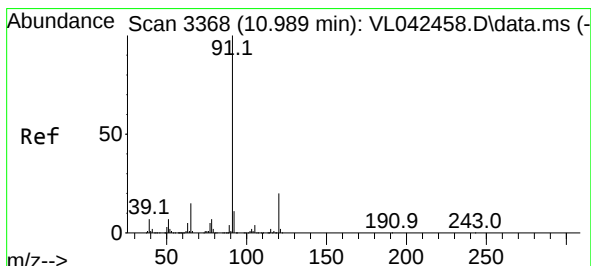
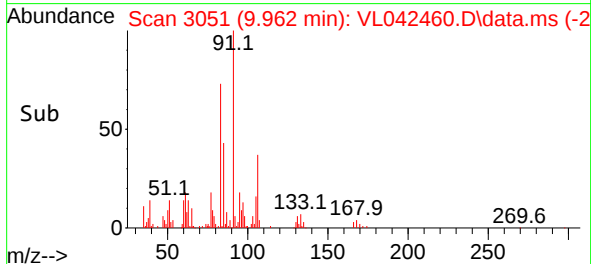
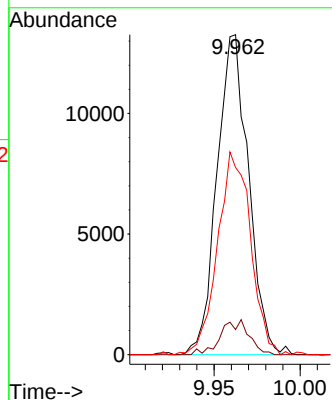
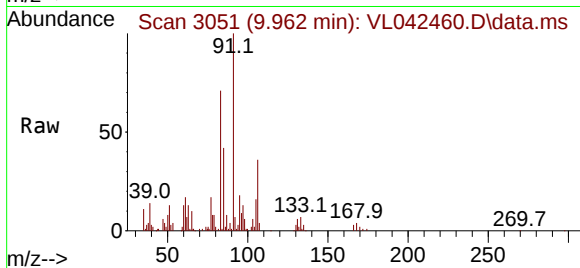
Tgt Ion: 83 Resp: 16837

Ion Ratio Lower Upper

83 100

131 9.8 4.7 14.1

85 66.8 32.5 97.4



#64

n-propylbenzene

Concen: 1.064 ppbv

RT: 10.985 min Scan# 3367

Delta R.T. -0.003 min

Lab File: VL042460.D

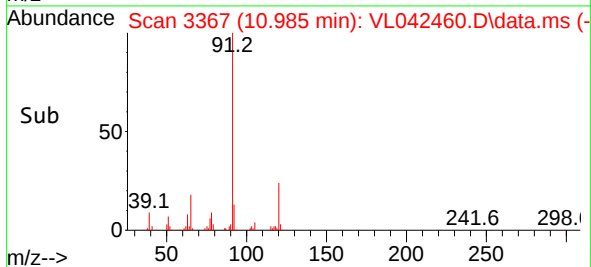
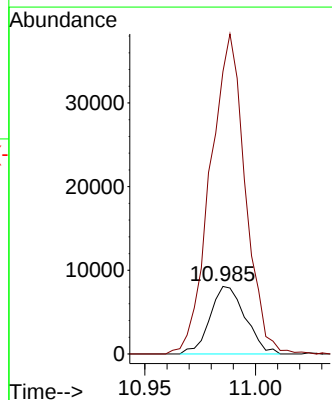
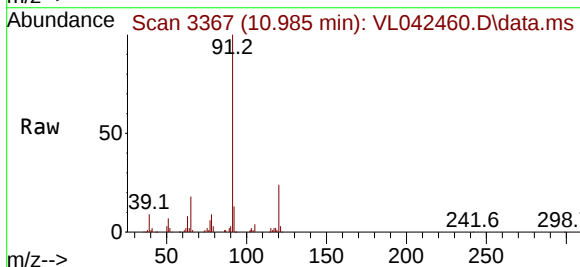
Acq: 01 May 2025 10:08

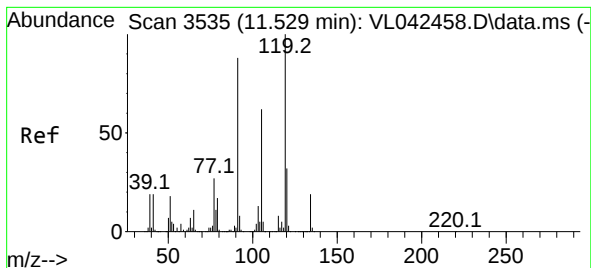
Tgt Ion: 120 Resp: 8958

Ion Ratio Lower Upper

120 100

91 471.3 408.6 612.8





#65

tert-Butylbenzene

Concen: 0.992 ppbv

RT: 11.529 min Scan# 3535

Delta R.T. -0.000 min

Lab File: VL042460.D

Acq: 01 May 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

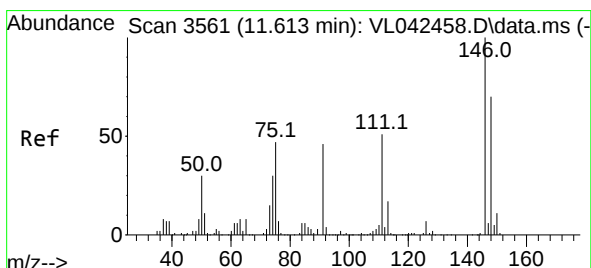
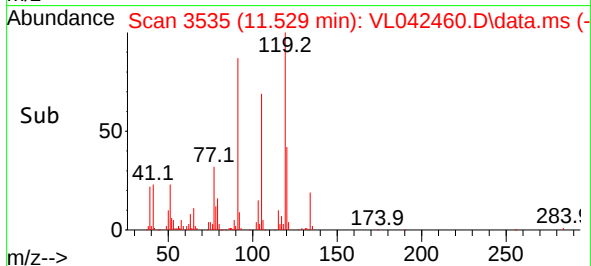
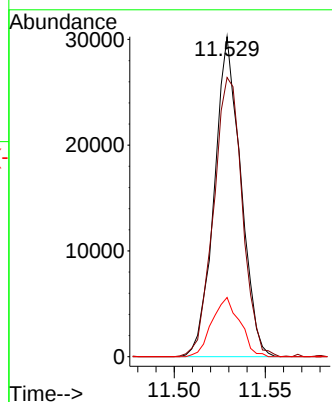
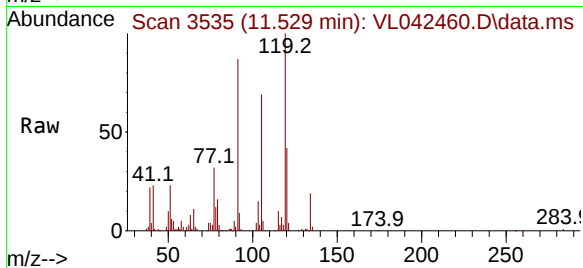
Tgt Ion:119 Resp: 30604

Ion Ratio Lower Upper

119 100

91 94.7 71.6 107.4

134 19.5 15.0 22.4



#66

Benzyl Chloride

Concen: 0.978 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. -0.000 min

Lab File: VL042460.D

Acq: 01 May 2025 10:08

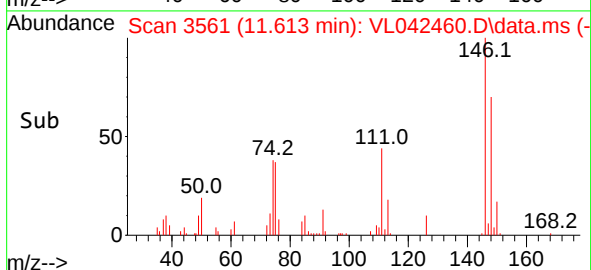
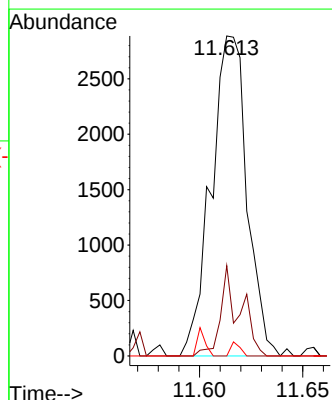
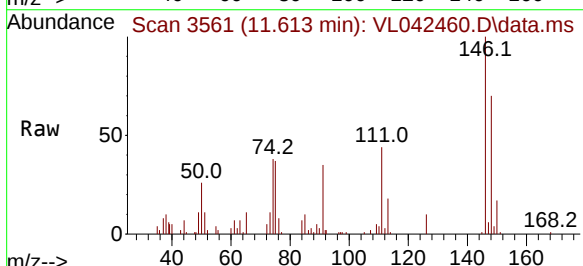
Tgt Ion: 91 Resp: 3486

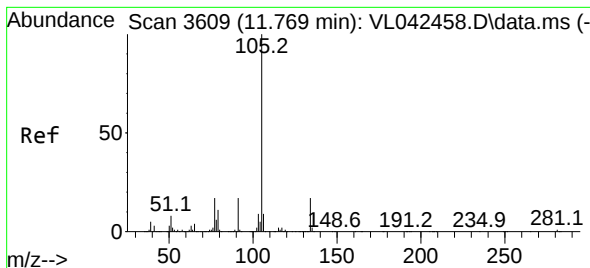
Ion Ratio Lower Upper

91 100

126 15.3 13.3 19.9

128 3.1 4.2 6.4#





#67

sec-Butylbenzene

Concen: 0.998 ppbv

RT: 11.765 min Scan# 3

Delta R.T. -0.003 min

Lab File: VL042460.D

Acq: 01 May 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

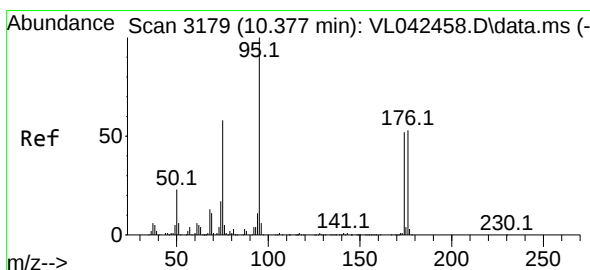
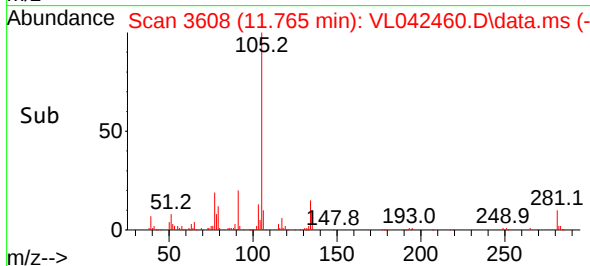
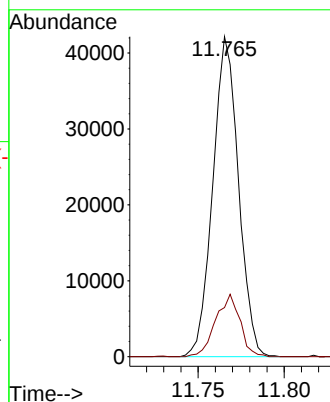
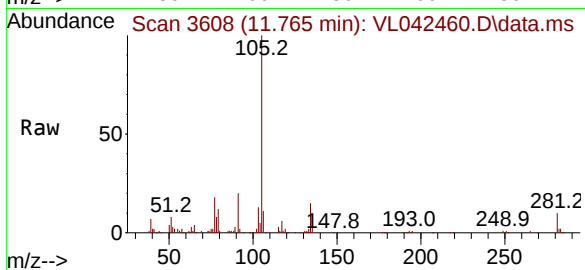
VSTDIC001

Tgt Ion:105 Resp: 43740

Ion Ratio Lower Upper

105 100

134 18.6 14.1 21.1



#68

1-Bromo-4-Fluorobenzene

Concen: 10.011 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. -0.003 min

Lab File: VL042460.D

Acq: 01 May 2025 10:08

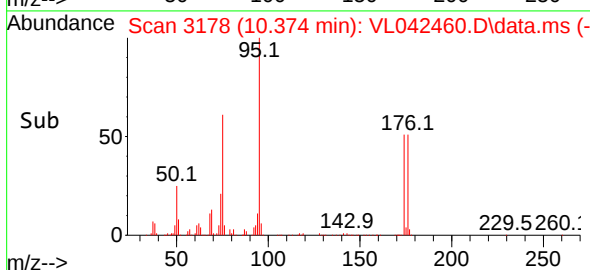
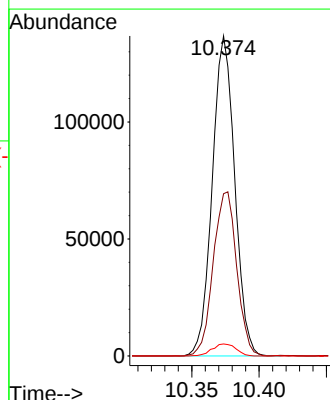
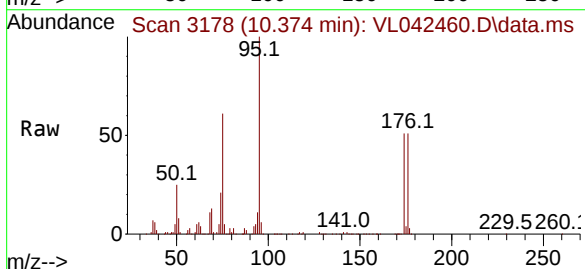
Tgt Ion: 95 Resp: 158600

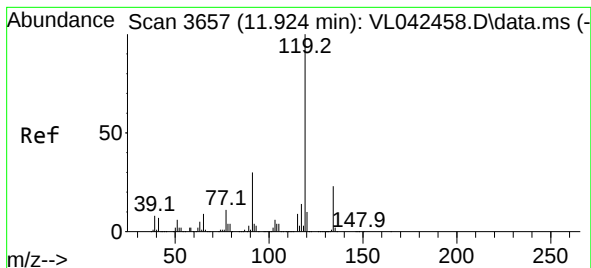
Ion Ratio Lower Upper

95 100

174 53.7 42.7 64.1

175 4.0 3.6 5.4





#69

p-Isopropyltoluene

Concen: 1.002 ppbv

RT: 11.927 min Scan# 3658

Delta R.T. 0.003 min

Lab File: VL042460.D

Acq: 01 May 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

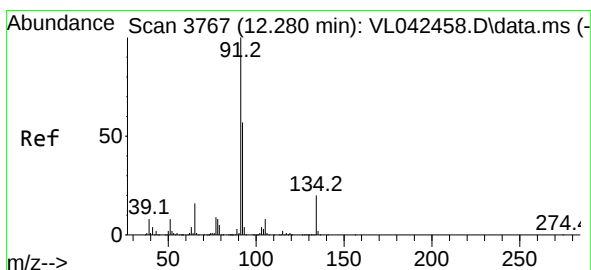
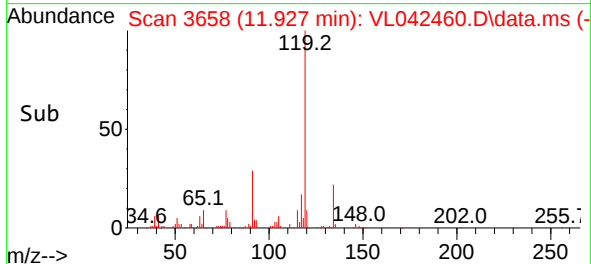
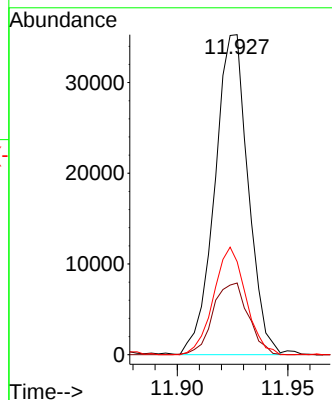
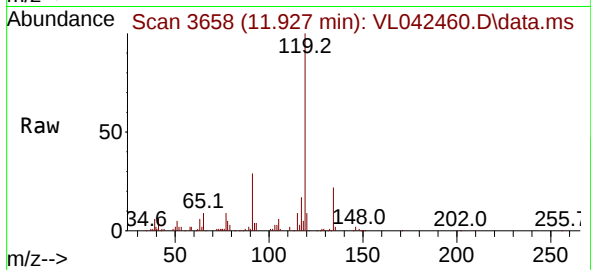
Tgt Ion:119 Resp: 37011

Ion Ratio Lower Upper

119 100

134 23.6 19.0 28.4

91 32.8 25.5 38.3



#70

n-Butylbenzene

Concen: 0.992 ppbv

RT: 12.280 min Scan# 3767

Delta R.T. -0.000 min

Lab File: VL042460.D

Acq: 01 May 2025 10:08

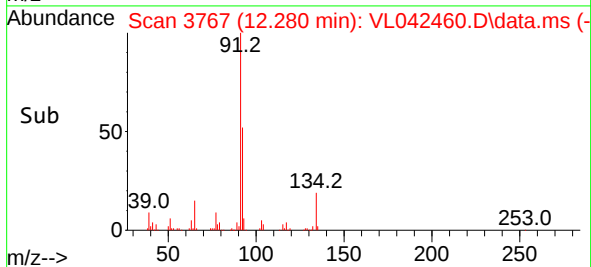
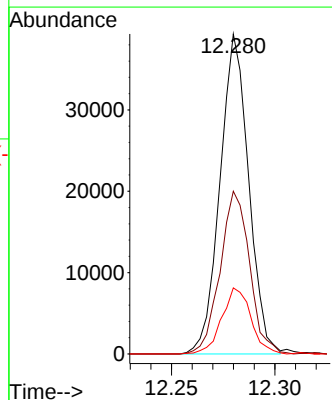
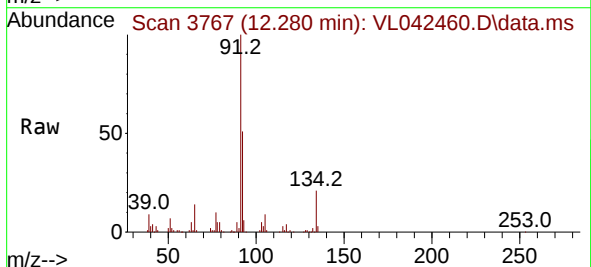
Tgt Ion: 91 Resp: 37892

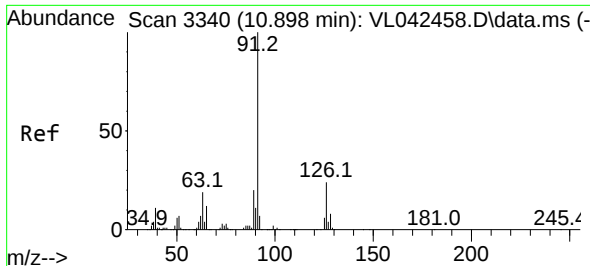
Ion Ratio Lower Upper

91 100

92 52.5 44.0 66.0

134 21.2 16.8 25.2

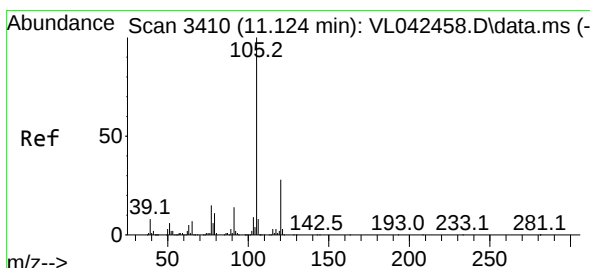
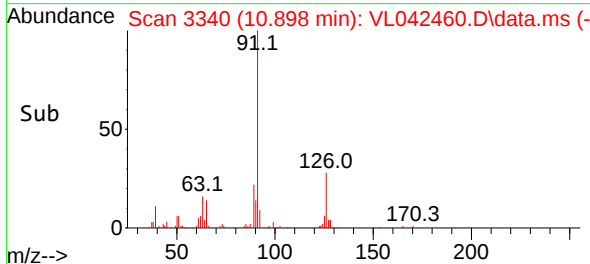
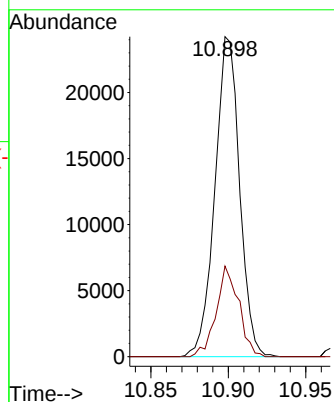
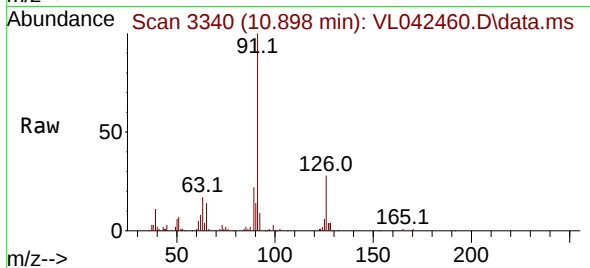




#71
2-Chlorotoluene
Concen: 0.989 ppbv
RT: 10.898 min Scan# 311
Delta R.T. -0.000 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

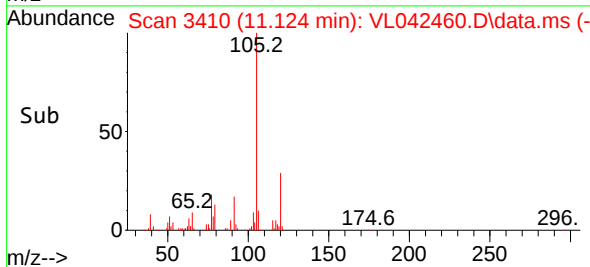
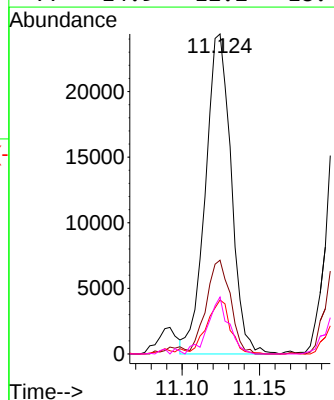
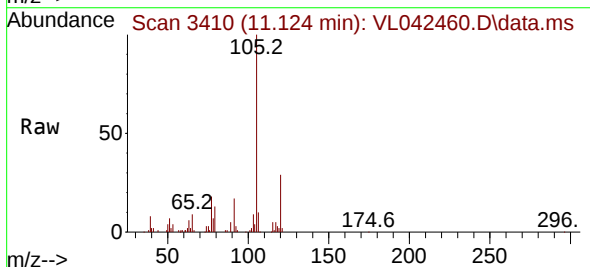
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

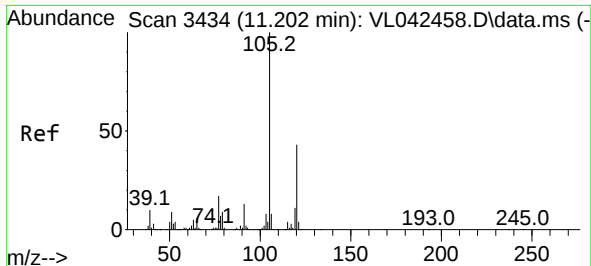
Tgt Ion: 91 Resp: 26813
Ion Ratio Lower Upper
91 100
126 25.9 10.6 42.2



#72
4-Ethyltoluene
Concen: 0.996 ppbv
RT: 11.124 min Scan# 3410
Delta R.T. -0.000 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

Tgt Ion:105 Resp: 28149
Ion Ratio Lower Upper
105 100
120 29.5 22.0 33.0
91 16.6 11.2 16.8
77 14.9 12.2 18.4

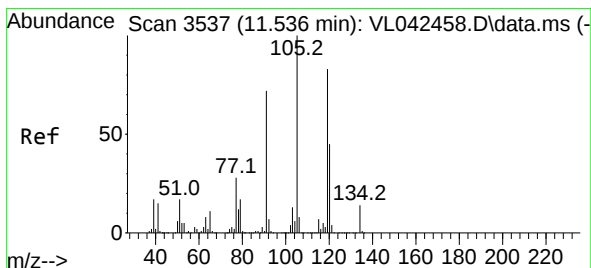
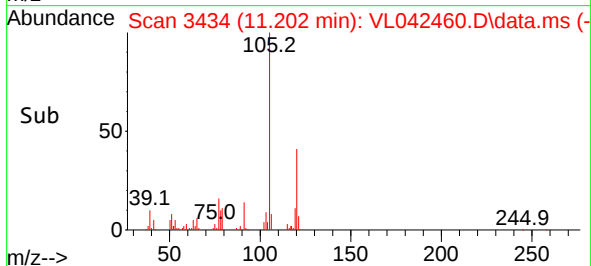
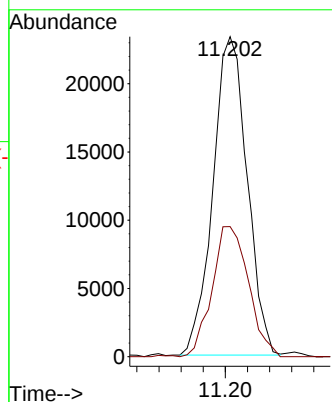
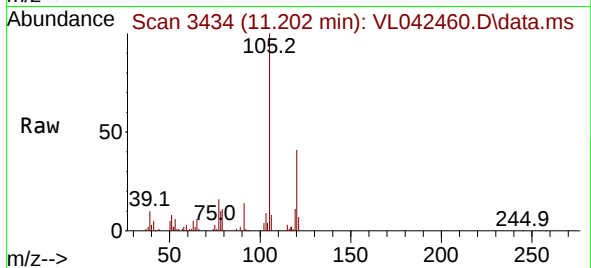




#73
 1,3,5-Trimethylbenzene
 Concen: 1.009 ppbv
 RT: 11.202 min Scan# 3434
 Delta R.T. -0.000 min
 Lab File: VL042460.D
 Acq: 01 May 2025 10:08

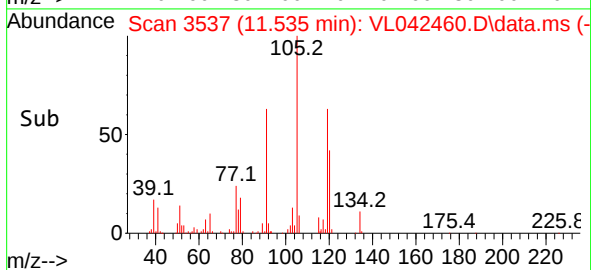
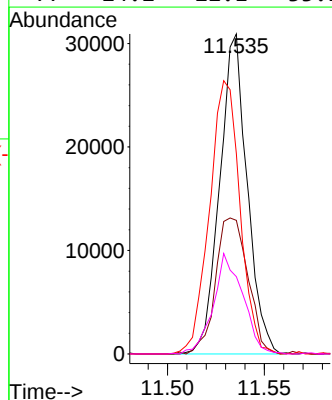
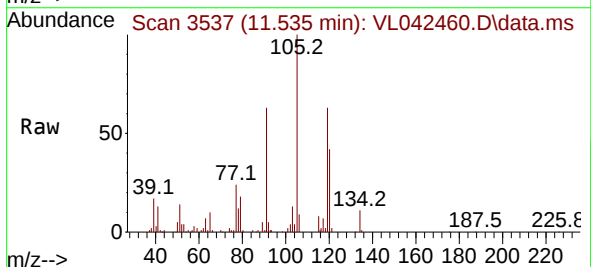
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

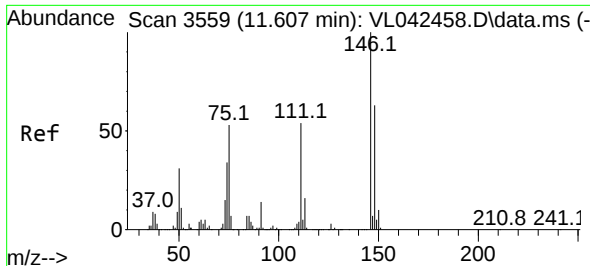
Tgt Ion:105 Resp: 25073
 Ion Ratio Lower Upper
 105 100
 120 40.8 34.4 51.6



#74
 1,2,4-Trimethylbenzene
 Concen: 1.016 ppbv
 RT: 11.535 min Scan# 3537
 Delta R.T. -0.000 min
 Lab File: VL042460.D
 Acq: 01 May 2025 10:08

Tgt Ion:105 Resp: 30550
 Ion Ratio Lower Upper
 105 100
 120 41.7 36.1 54.1
 91 62.6 57.6 86.4
 77 24.2 22.1 33.1

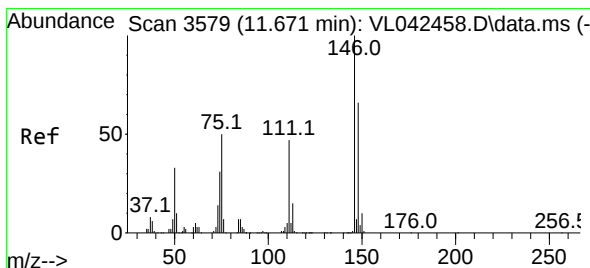
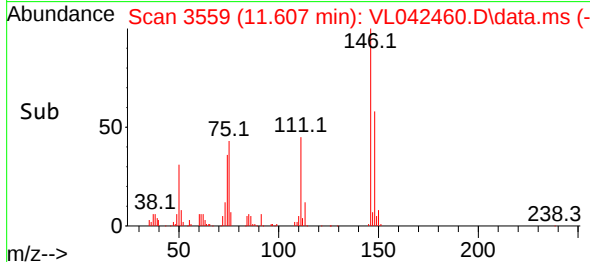
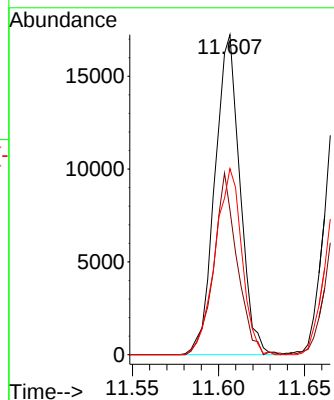
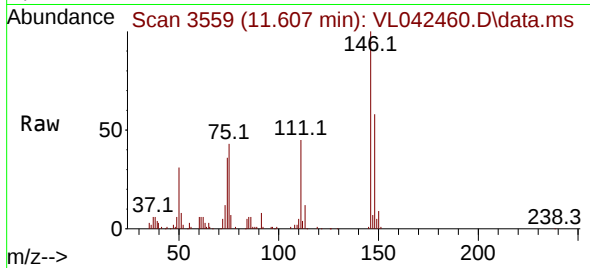




#75
1,3-Dichlorobenzene
Concen: 1.043 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. -0.000 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

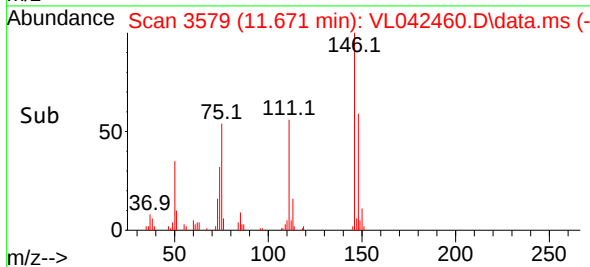
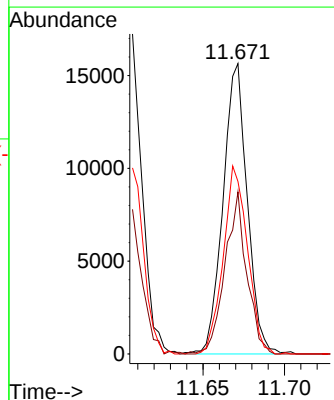
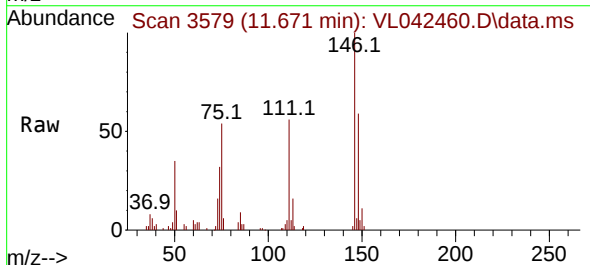
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

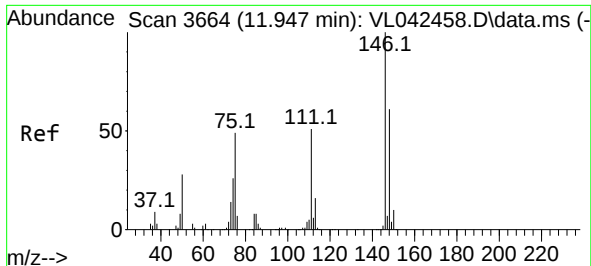
Tgt Ion:146 Resp: 17456
Ion Ratio Lower Upper
146 100
111 53.0 26.1 78.3
148 61.8 32.0 96.0



#76
1,4-Dichlorobenzene
Concen: 1.019 ppbv
RT: 11.671 min Scan# 3579
Delta R.T. -0.000 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

Tgt Ion:146 Resp: 16151
Ion Ratio Lower Upper
146 100
111 50.3 24.4 73.2
148 64.8 32.0 96.2





#77

1,2-Dichlorobenzene

Concen: 1.050 ppbv

RT: 11.947 min Scan# 3

Delta R.T. -0.000 min

Lab File: VL042460.D

Acq: 01 May 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

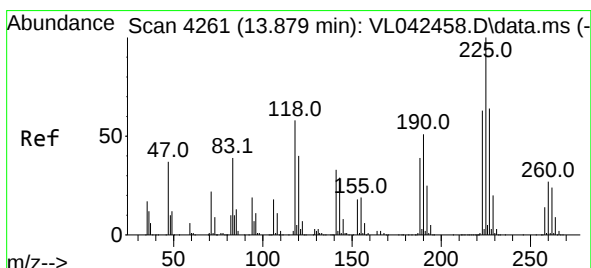
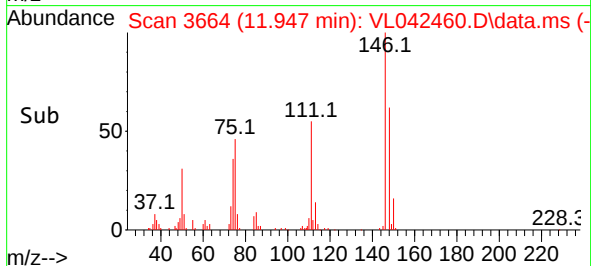
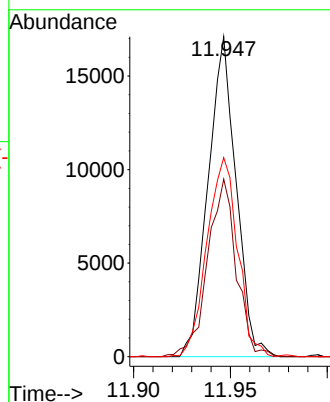
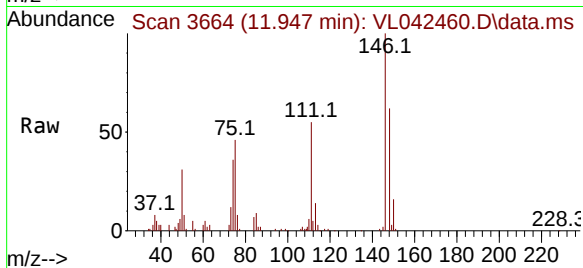
Tgt Ion:146 Resp: 17207

Ion Ratio Lower Upper

146 100

111 56.8 26.5 79.5

148 68.5 31.5 94.5



#78

Hexachloro-1,3-Butadiene

Concen: 1.129 ppbv

RT: 13.879 min Scan# 4261

Delta R.T. -0.000 min

Lab File: VL042460.D

Acq: 01 May 2025 10:08

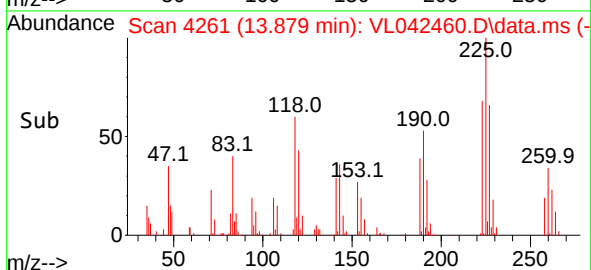
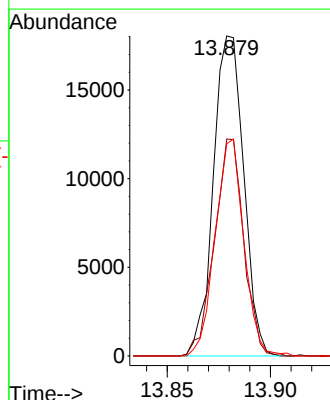
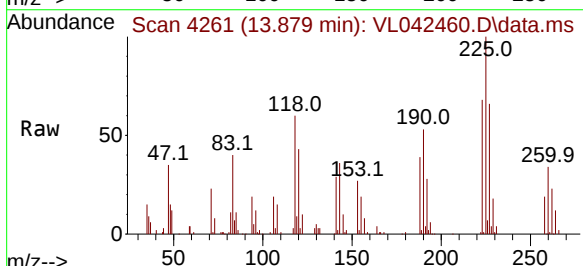
Tgt Ion:225 Resp: 18472

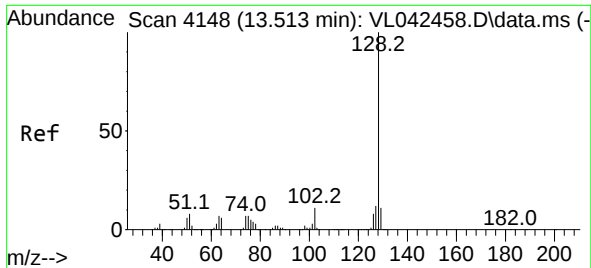
Ion Ratio Lower Upper

225 100

223 65.3 50.2 75.4

227 63.8 51.2 76.8

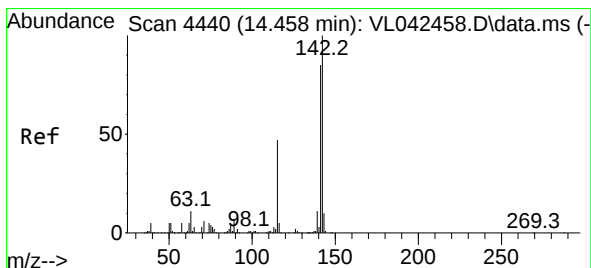
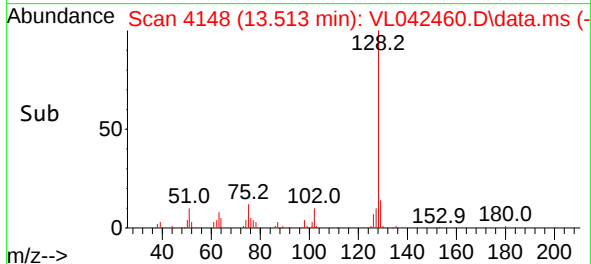
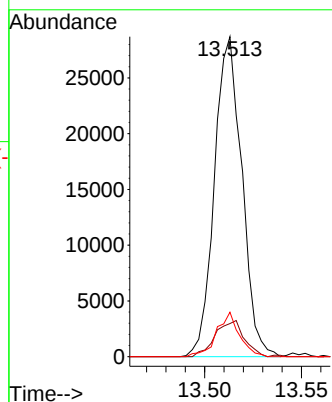
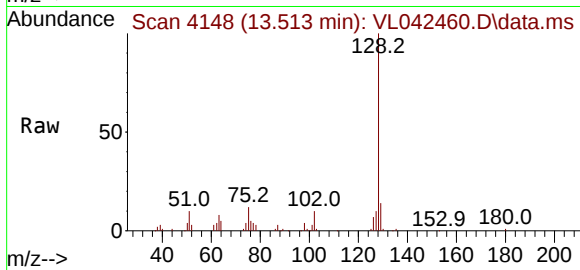




#79
Naphthalene
Concen: 1.123 ppbv
RT: 13.513 min Scan# 4148
Delta R.T. -0.000 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

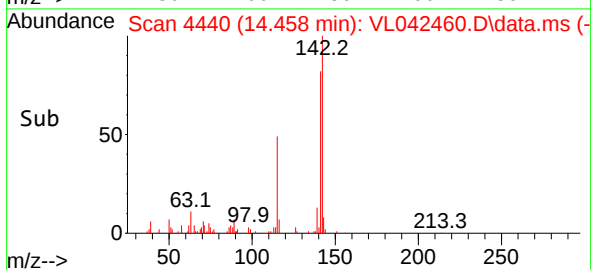
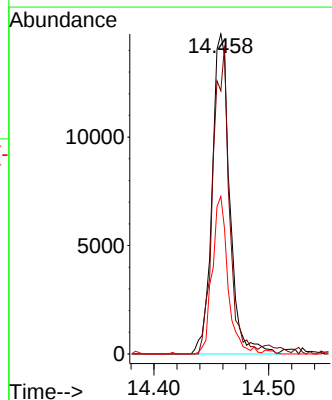
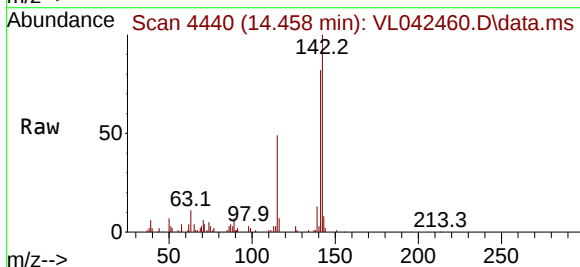
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

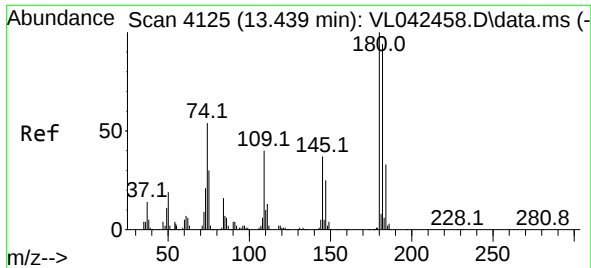
Tgt Ion:128 Resp: 28316
Ion Ratio Lower Upper
128 100
127 10.4 9.7 14.5
129 13.9 8.6 13.0#



#80
Naphthalene,2-methyl-
Concen: 0.840 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.000 min
Lab File: VL042460.D
Acq: 01 May 2025 10:08

Tgt Ion:142 Resp: 15804
Ion Ratio Lower Upper
142 100
141 92.3 67.4 101.0
115 44.3 36.9 55.3





#81

1,2,4-Trichlorobenzene

Concen: 1.011 ppbv

RT: 13.439 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042460.D

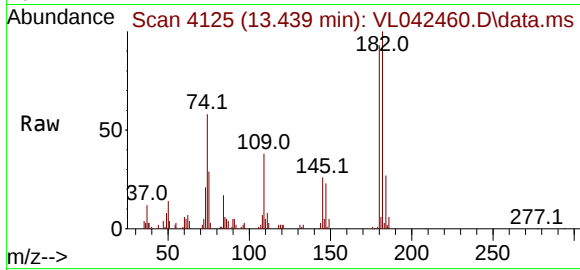
Acq: 01 May 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001



Tgt Ion:180 Resp: 13644

Ion Ratio Lower Upper

180 100

182 96.5 74.6 111.8

184 34.1 24.9 37.3

