

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052025\
 Data File : VL042548.D
 Acq On : 20 May 2025 10:18
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Quant Time: May 20 23:25:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue May 20 23:22:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	122164	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	408860	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	358392	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	287740	10.032	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	23330	1.021	ppbv	99
3) Chlorodifluoromethane	1.476	51	19073	1.014	ppbv	98
4) Chloromethane	1.535	50	7639	1.038	ppbv	97
5) Vinyl Chloride	1.580	62	7935	0.978	ppbv	99
6) Bromomethane	1.671	94	4924	1.055	ppbv	98
7) Chloroethane	1.706	64	3362	1.030	ppbv #	85
8) Dichlorotetrafluoroethane	1.554	85	19956	1.031	ppbv	99
9) Propene	1.486	41	6614	1.011	ppbv	95
10) Heptane	4.991	43	7193	0.417	ppbv #	10
11) Trichlorofluoromethane	1.881	101	24238	1.016	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.143	101	19467	1.012	ppbv	99
13) Ethanol	1.722	45	1215	1.281	ppbv	97
14) Bromoethene	1.784	108	7770	1.070	ppbv	89
15) Acetone	1.839	43	19023	1.117	ppbv	96
16) 1,3-Butadiene	1.609	39	7019	1.016	ppbv	88
17) tert-Butyl alcohol	2.046	59	20004	1.017	ppbv	100
18) 1,1-Dichloroethene	2.036	96	8987	1.034	ppbv	99
19) Isopropyl Alcohol	1.887	45	9785	1.011	ppbv #	71
20) Methylene Chloride	2.062	84	8645	1.049	ppbv	99
21) Allyl Chloride	2.098	41	10945	1.004	ppbv	99
22) trans-1,2-Dichloroethene	2.344	96	9930	1.029	ppbv	94
23) Vinyl Acetate	2.464	43	19418	0.983	ppbv #	96
24) 1,1-Dichloroethane	2.412	63	16603	1.004	ppbv	97
25) Ethyl Acetate	2.842	43	32005	0.973	ppbv	98
26) Hexane	2.829	57	14060	0.945	ppbv	93
27) Carbon Disulfide	2.153	76	21898	1.016	ppbv #	77
28) Methyl tert-Butyl Ether	2.444	73	10164	1.014	ppbv	99
29) Chloroform	2.852	83	28469	1.012	ppbv	98
30) Cyclohexane	3.859	84	6070	0.472	ppbv #	1
31) cis-1,2-Dichloroethene	2.723	61	15923	0.973	ppbv	97
32) 1,1,1-Trichloroethane	3.373	97	27981	0.973	ppbv	98
34) 2-Butanone	2.561	43	22303	1.028	ppbv	97
35) Carbon Tetrachloride	3.768	117	29802	0.956	ppbv	99
36) Benzene	3.664	78	33246	1.005	ppbv	98
37) 1,2-Dichloroethane	3.221	62	19984	0.988	ppbv	100
38) Trichloroethene	4.554	130	14572	0.965	ppbv	95
39) 1,2-Dichloropropane	4.325	63	6530	0.562	ppbv	97
40) 1,4-Dioxane	4.606	88	4655	0.891	ppbv #	34
41) Tetrahydrofuran	3.062	42	10122	0.957	ppbv	98
42) Bromodichloromethane	4.493	83	27880	0.978	ppbv	96
43) Methyl Methacrylate	4.891	69	10072	0.899	ppbv	98
44) 2,2,4-Trimethylpentane	4.645	57	48046	0.950	ppbv	95
45) t-1,3-Dichloropropene	6.425	75	12603	0.882	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052025\
 Data File : VL042548.D
 Acq On : 20 May 2025 10:18
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: May 20 23:25:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue May 20 23:22:25 2025
 Response via : Initial Calibration

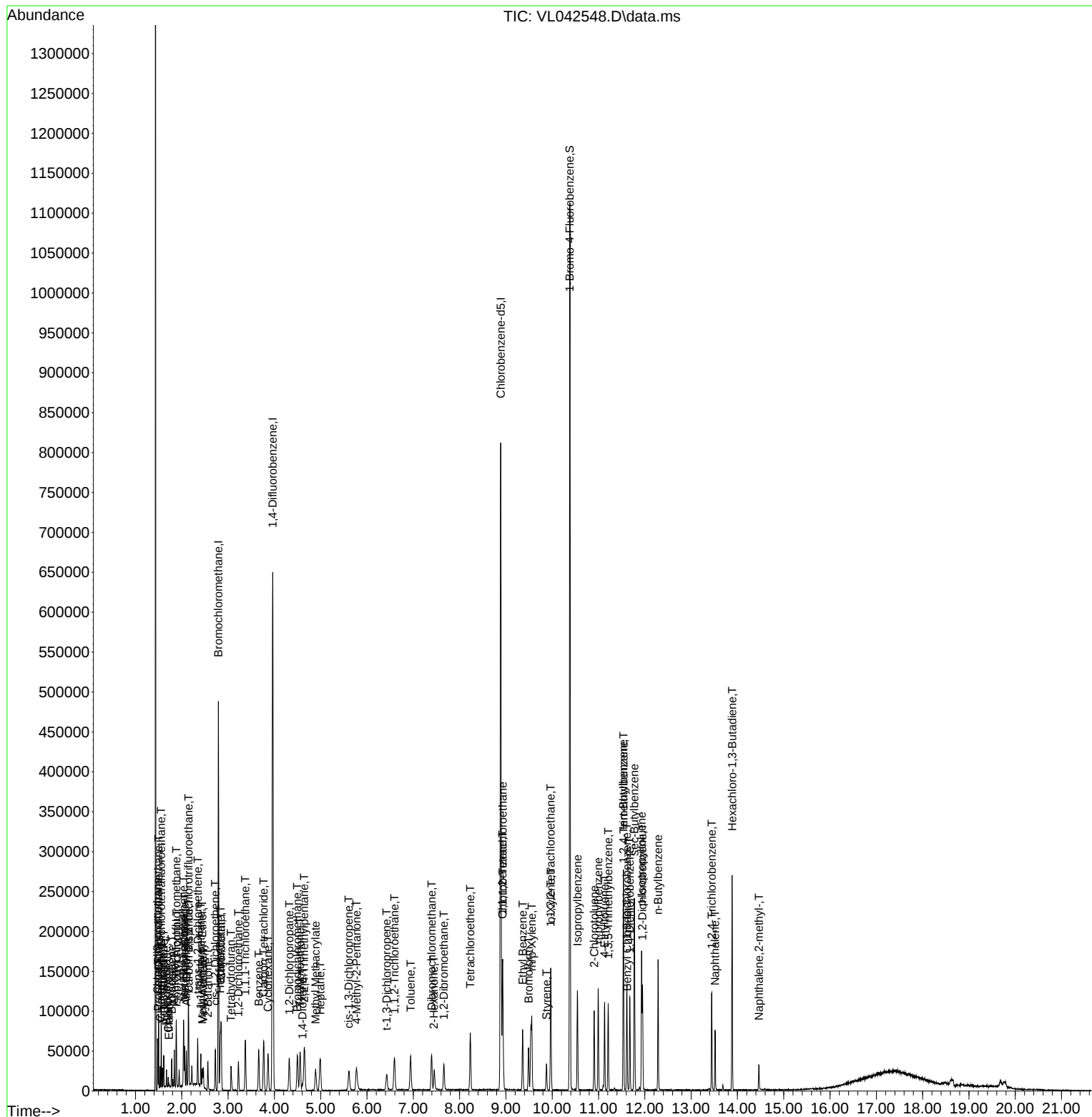
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	15591	0.899	ppbv	93
47) 1,1,2-Trichloroethane	6.594	97	14141	1.016	ppbv	95
48) Dibromochloromethane	7.396	129	22830	0.948	ppbv	95
49) Bromoform	9.490	173	19689	0.958	ppbv	99
50) 4-Methyl-2-Pentanone	5.775	43	22608	0.870	ppbv	96
51) 2-Hexanone	7.445	43	6201	0.325	ppbv #	27
52) Tetrachloroethene	8.231	164	12767	0.989	ppbv	97
53) Toluene	6.943	91	32491	0.919	ppbv	97
54) 1,2-Dibromoethane	7.658	107	19751	0.976	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.930	131	19084	0.999	ppbv	93
57) Chlorobenzene	8.927	112	31814	0.997	ppbv	96
58) Ethyl Benzene	9.361	91	41399	0.882	ppbv	97
59) m/p-Xylene	9.558	91	34990	0.874	ppbv #	20
60) o-Xylene	9.969	91	36525	0.922	ppbv	100
61) Styrene	9.875	104	11899	0.783	ppbv	95
62) Isopropylbenzene	10.545	105	57318	0.944	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	26731	1.013	ppbv	99
64) n-propylbenzene	10.995	120	13960	0.923	ppbv	92
65) tert-Butylbenzene	11.536	119	51897	0.950	ppbv	97
66) Benzyl Chloride	11.620	91	5931	0.868	ppbv	97
67) sec-Butylbenzene	11.772	105	75362	0.978	ppbv	99
69) p-Isopropyltoluene	11.931	119	59939	0.941	ppbv	98
70) n-Butylbenzene	12.287	91	55515	0.923	ppbv	95
71) 2-Chlorotoluene	10.908	91	40222	0.920	ppbv	100
72) 4-Ethyltoluene	11.131	105	45141	0.921	ppbv #	97
73) 1,3,5-Trimethylbenzene	11.209	105	39627	0.935	ppbv	96
74) 1,2,4-Trimethylbenzene	11.542	105	51744	1.012	ppbv	91
75) 1,3-Dichlorobenzene	11.610	146	31973	1.013	ppbv	99
76) 1,4-Dichlorobenzene	11.678	146	29654	0.968	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	31444	1.012	ppbv	99
78) Hexachloro-1,3-Butadiene	13.886	225	26642	1.038	ppbv	99
79) Naphthalene	13.517	128	35563	0.929	ppbv	99
80) Naphthalene,2-methyl-	14.465	142	10324	0.523	ppbv	98
81) 1,2,4-Trichlorobenzene	13.445	180	20710	0.900	ppbv	98

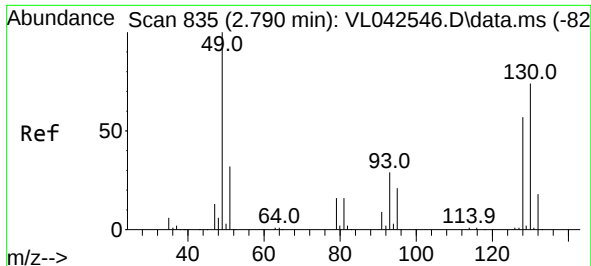
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052025\
Data File : VL042548.D
Acq On : 20 May 2025 10:18
Operator : SY/MD
Sample : VSTDIC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Quant Time: May 20 23:25:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue May 20 23:22:25 2025
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 2.790 min Scan# 835

Delta R.T. 0.000 min

Lab File: VL042548.D

Acq: 20 May 2025 10:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

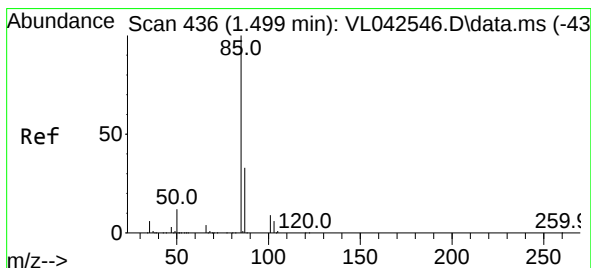
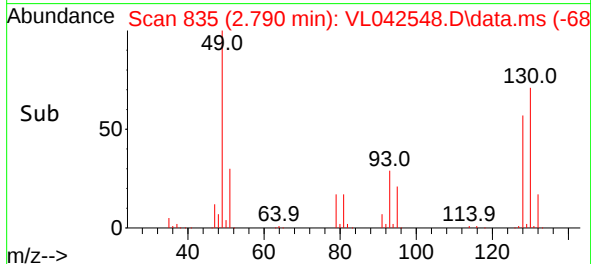
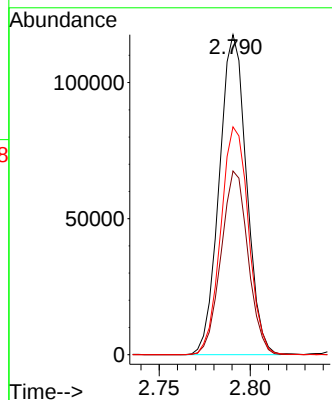
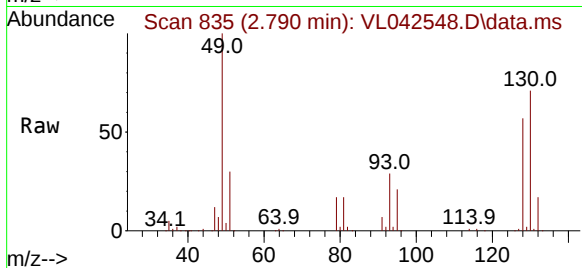
Tgt Ion: 49 Resp: 122164

Ion Ratio Lower Upper

49 100

128 56.8 28.6 85.8

130 72.3 36.6 109.8



#2

Dichlorodifluoromethane

Concen: 1.021 ppbv

RT: 1.499 min Scan# 436

Delta R.T. 0.000 min

Lab File: VL042548.D

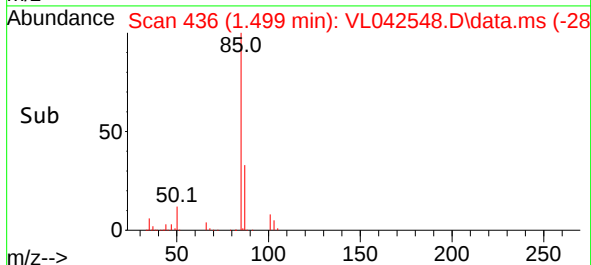
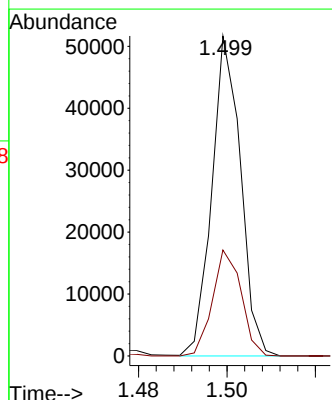
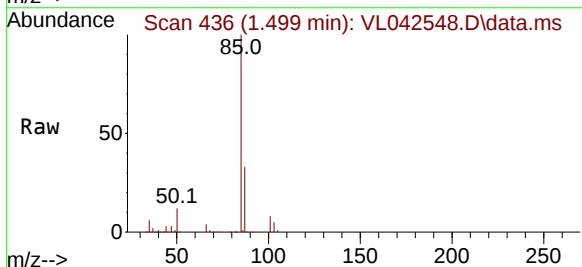
Acq: 20 May 2025 10:18

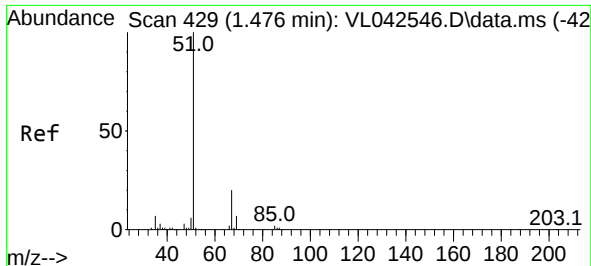
Tgt Ion: 85 Resp: 23330

Ion Ratio Lower Upper

85 100

87 33.1 26.2 39.4

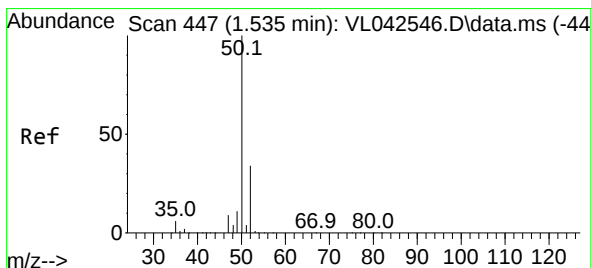
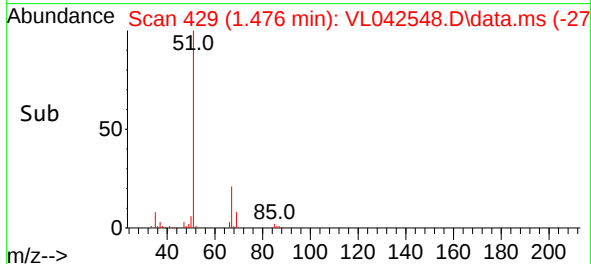
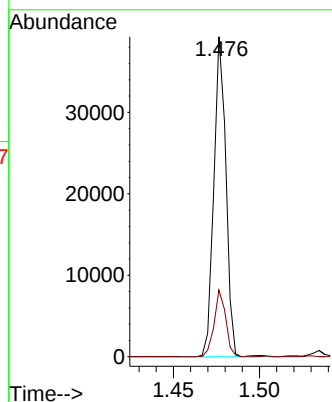
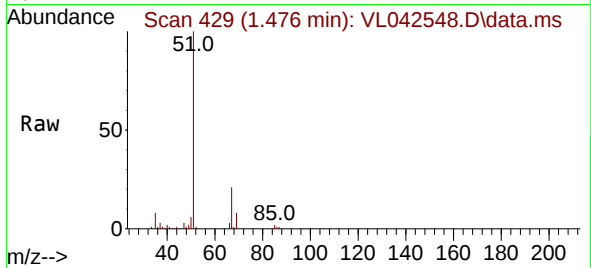




#3
Chlorodifluoromethane
Concen: 1.014 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

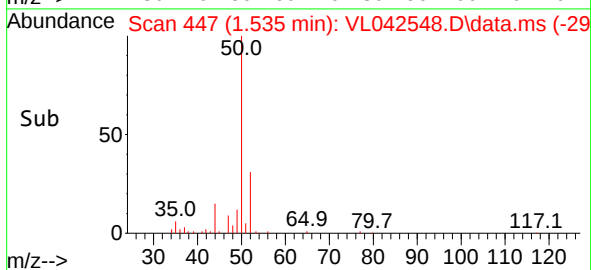
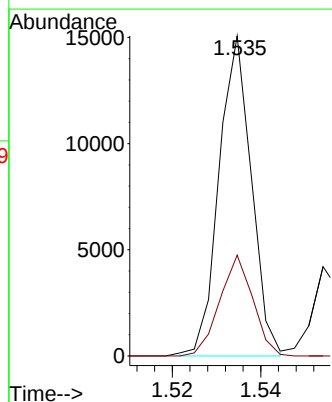
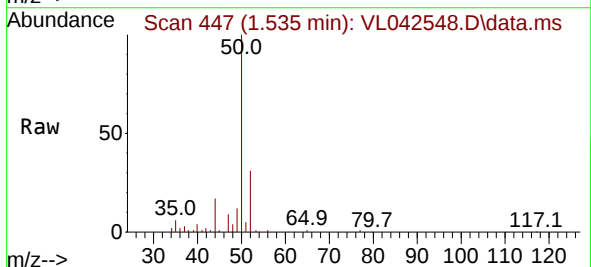
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

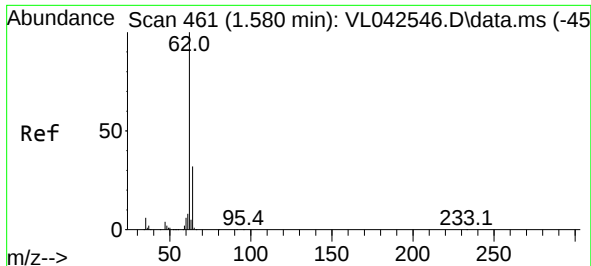
Tgt Ion: 51 Resp: 19073
Ion Ratio Lower Upper
51 100
67 20.1 16.6 25.0



#4
Chloromethane
Concen: 1.038 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

Tgt Ion: 50 Resp: 7639
Ion Ratio Lower Upper
50 100
52 32.0 26.9 40.3

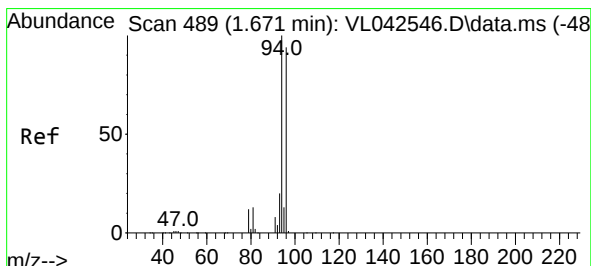
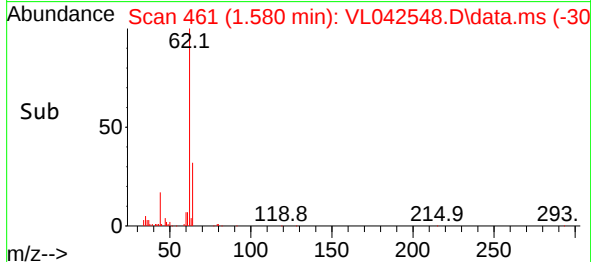
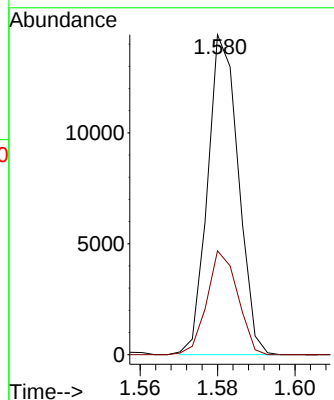
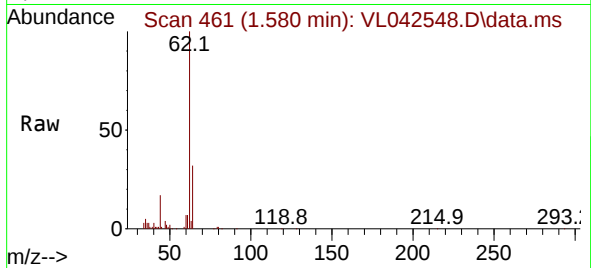




#5
 Vinyl Chloride
 Concen: 0.978 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042548.D
 Acq: 20 May 2025 10:18

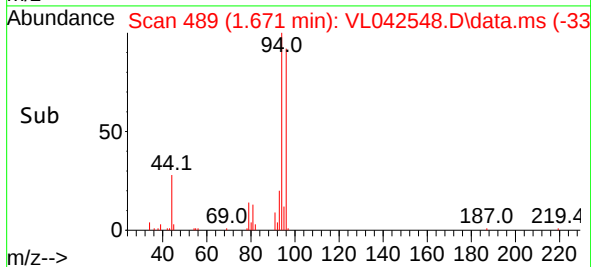
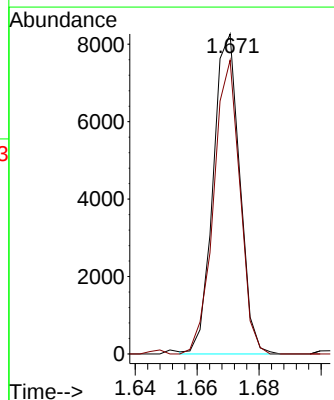
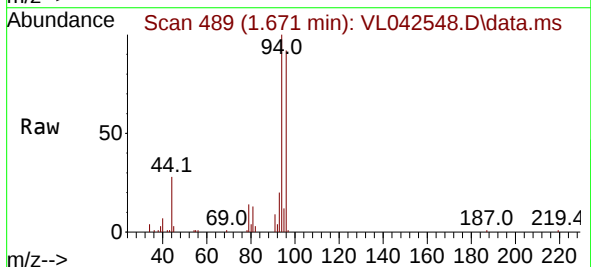
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

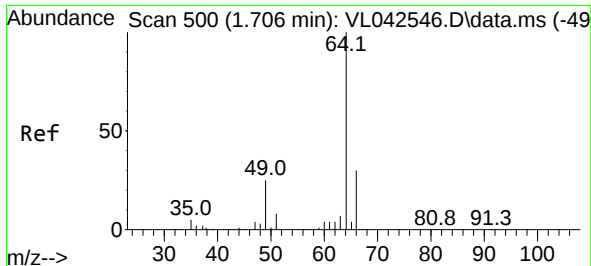
Tgt Ion: 62 Resp: 7935
 Ion Ratio Lower Upper
 62 100
 64 32.5 25.7 38.5



#6
 Bromomethane
 Concen: 1.055 ppbv
 RT: 1.671 min Scan# 489
 Delta R.T. 0.000 min
 Lab File: VL042548.D
 Acq: 20 May 2025 10:18

Tgt Ion: 94 Resp: 4924
 Ion Ratio Lower Upper
 94 100
 96 91.8 74.9 112.3

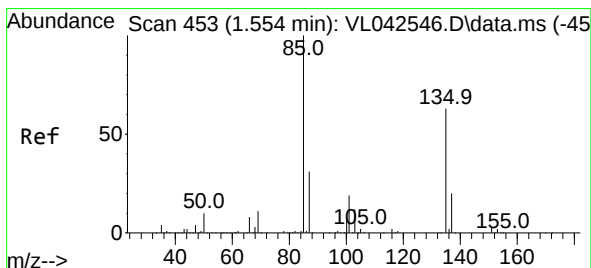
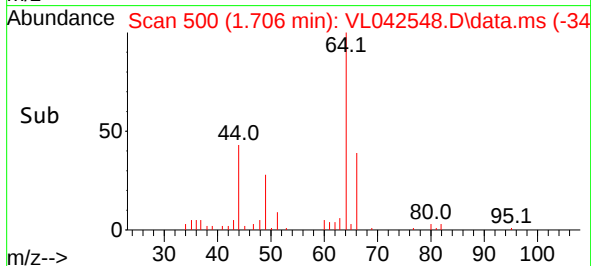
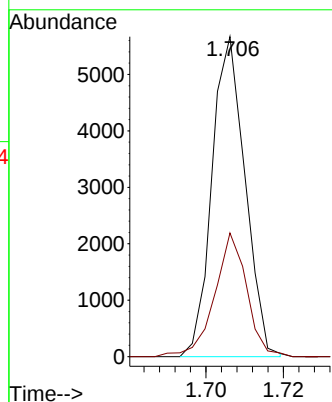
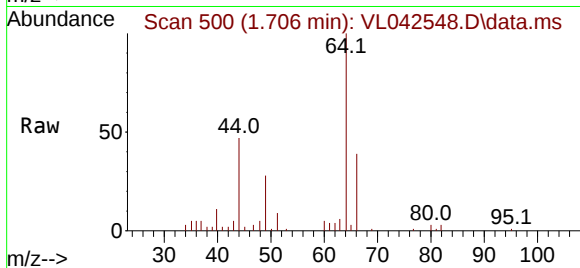




#7
Chloroethane
Concen: 1.030 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

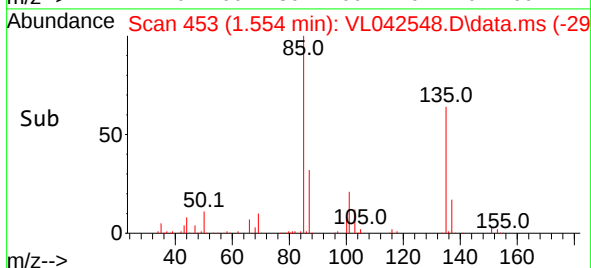
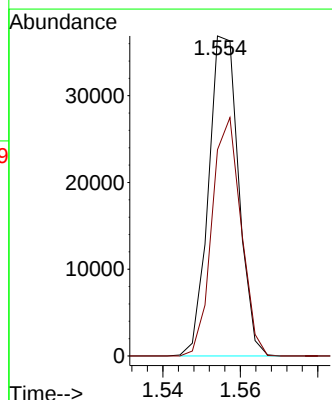
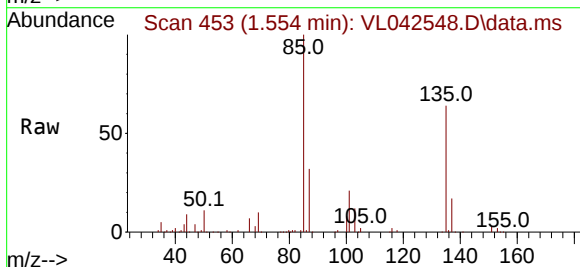
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

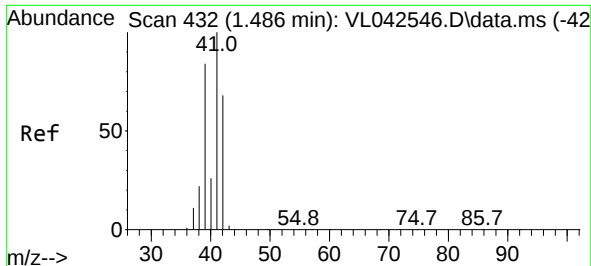
Tgt Ion: 64 Resp: 3362
Ion Ratio Lower Upper
64 100
66 38.6 24.4 36.6#



#8
Dichlorotetrafluoroethane
Concen: 1.031 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

Tgt Ion: 85 Resp: 19956
Ion Ratio Lower Upper
85 100
135 72.0 57.2 85.8





#9

Propene

Concen: 1.011 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042548.D

Acq: 20 May 2025 10:18

Instrument :

MSVOA_L

ClientSampleId :

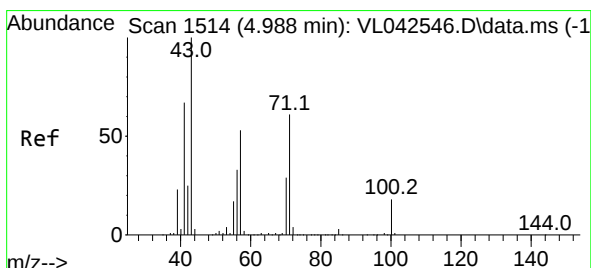
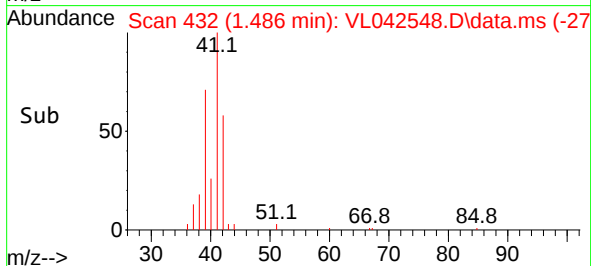
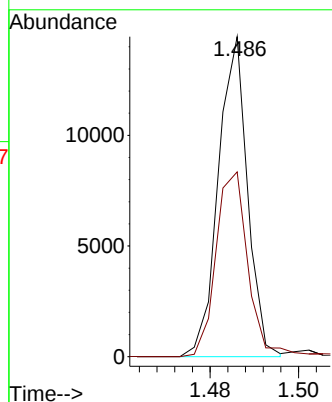
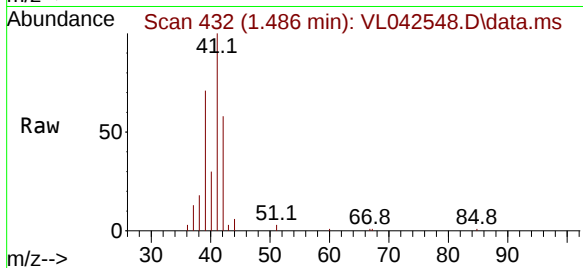
VSTDICC001

Tgt Ion: 41 Resp: 6614

Ion Ratio Lower Upper

41 100

42 64.5 55.0 82.4



#10

Heptane

Concen: 0.417 ppbv

RT: 4.991 min Scan# 1515

Delta R.T. 0.003 min

Lab File: VL042548.D

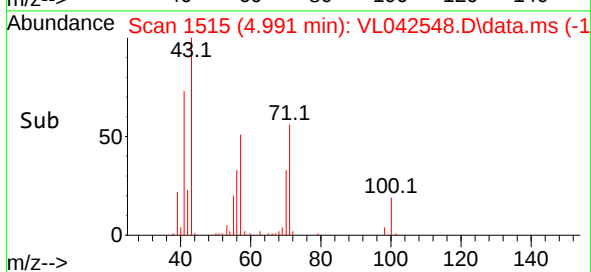
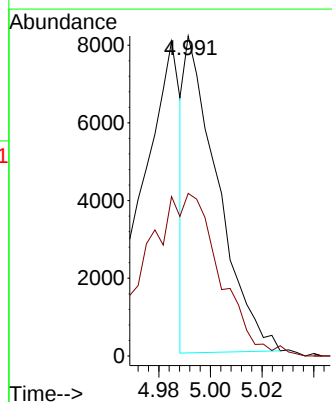
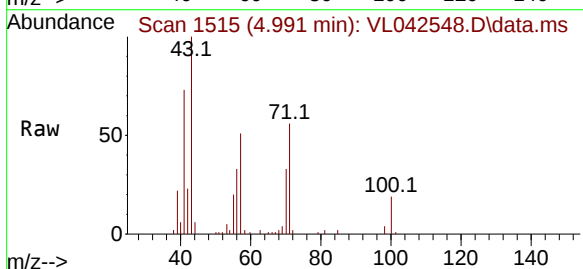
Acq: 20 May 2025 10:18

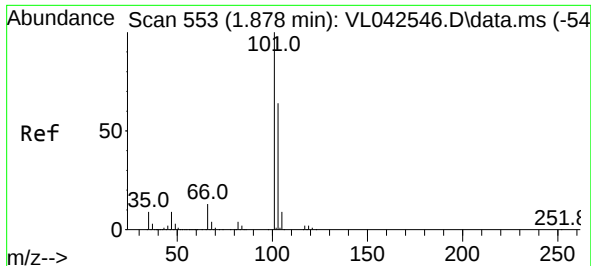
Tgt Ion: 43 Resp: 7193

Ion Ratio Lower Upper

43 100

57 119.0 43.4 65.0#

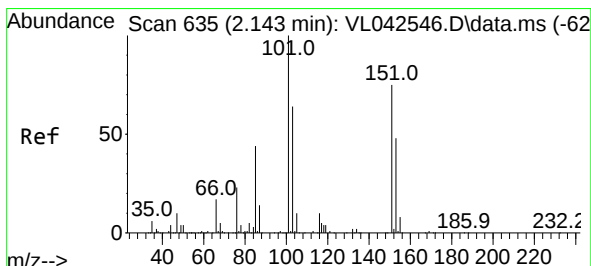
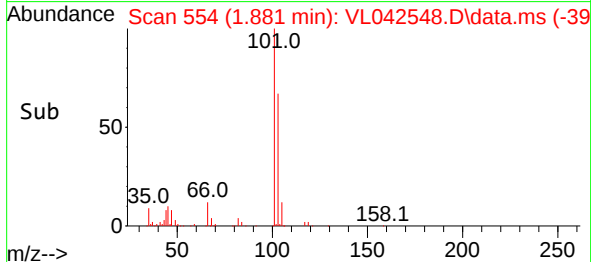
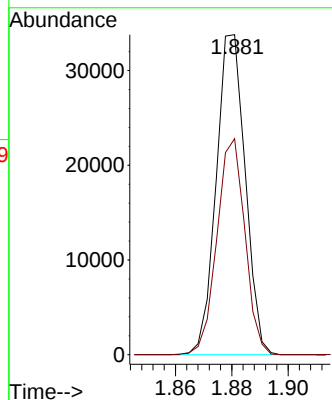
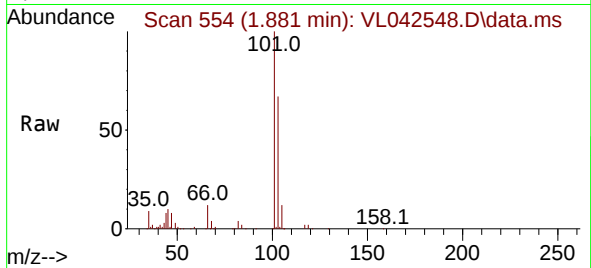




#11
 Trichlorofluoromethane
 Concen: 1.016 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL042548.D
 Acq: 20 May 2025 10:18

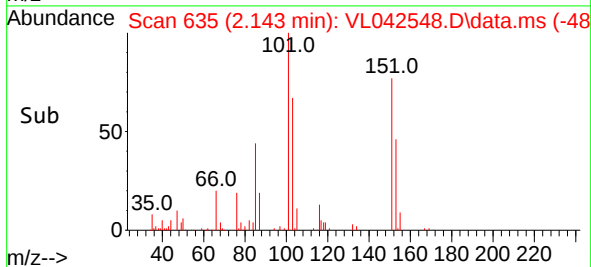
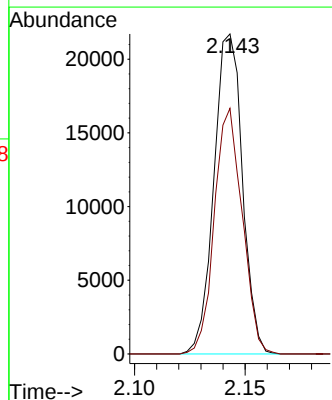
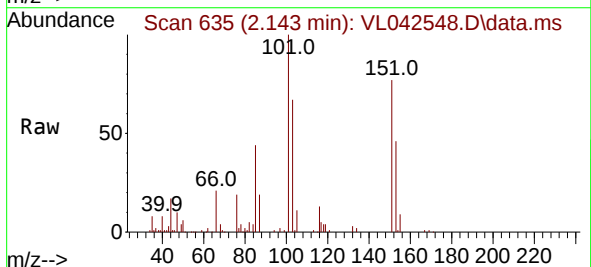
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

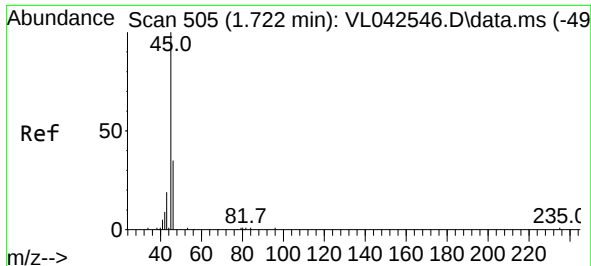
Tgt Ion:101 Resp: 24238
 Ion Ratio Lower Upper
 101 100
 103 67.5 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.012 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: VL042548.D
 Acq: 20 May 2025 10:18

Tgt Ion:101 Resp: 19467
 Ion Ratio Lower Upper
 101 100
 151 75.0 59.5 89.3

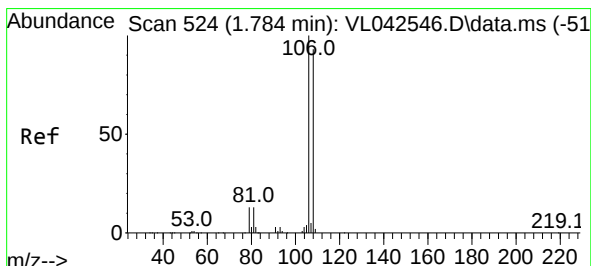
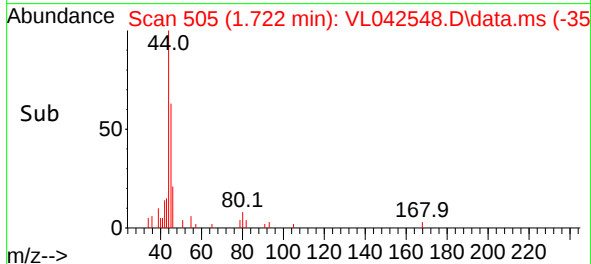
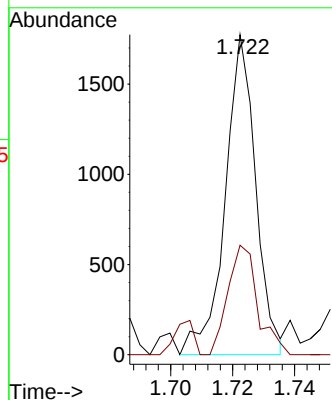
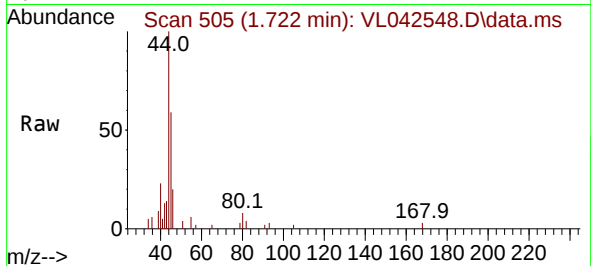




#13
Ethanol
Concen: 1.281 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

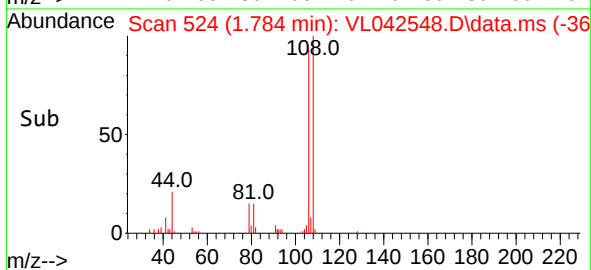
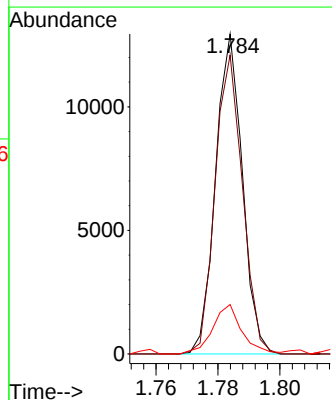
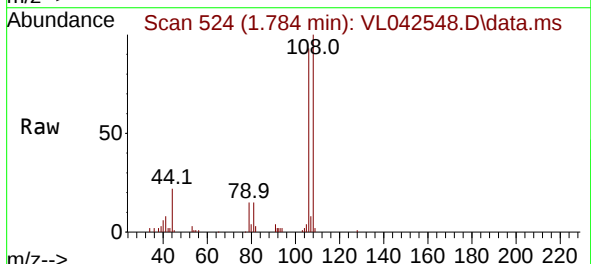
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC001

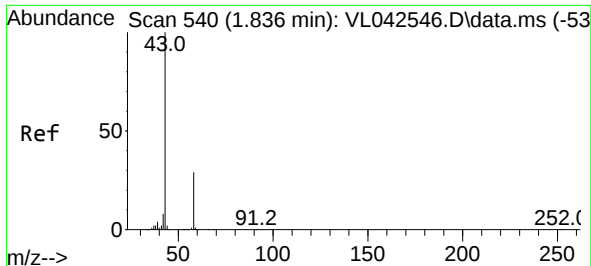
Tgt Ion: 45 Resp: 1215
Ion Ratio Lower Upper
45 100
46 40.1 15.3 61.3



#14
Bromoethene
Concen: 1.070 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

Tgt Ion: 108 Resp: 7770
Ion Ratio Lower Upper
108 100
106 95.5 86.4 129.6
79 17.5 11.9 17.9

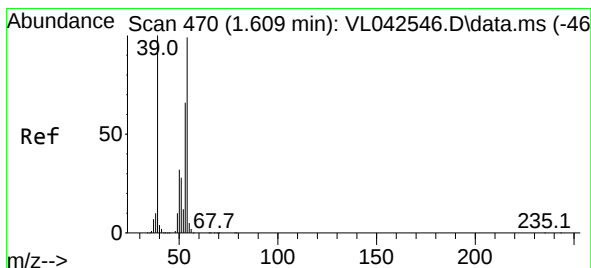
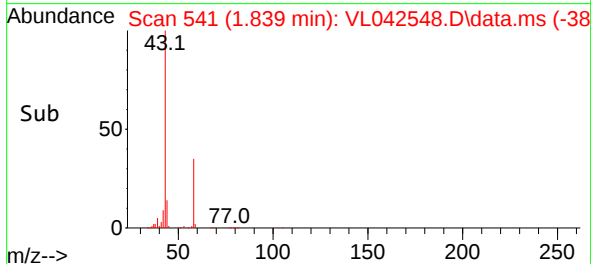
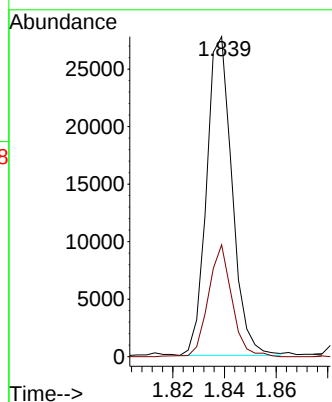
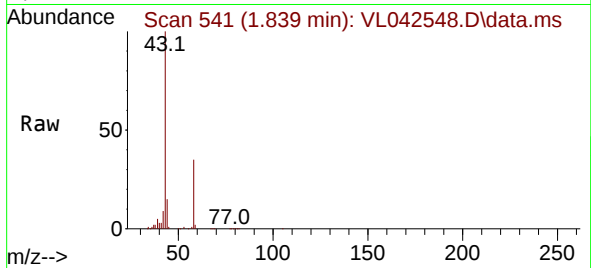




#15
Acetone
Concen: 1.117 ppbv
RT: 1.839 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

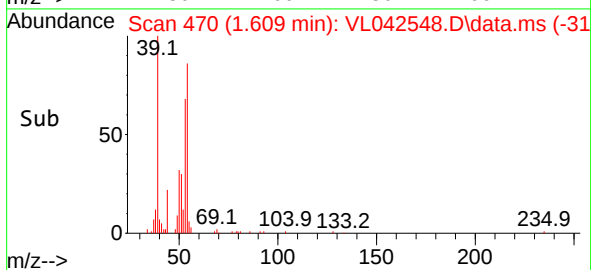
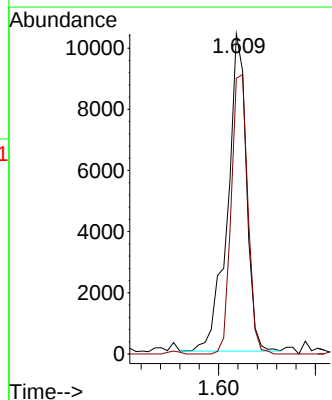
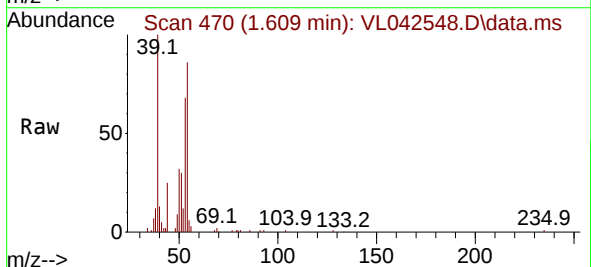
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

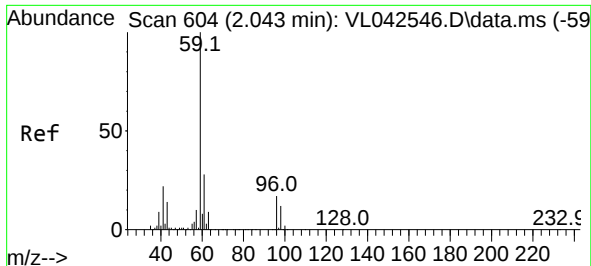
Tgt Ion: 43 Resp: 19023
Ion Ratio Lower Upper
43 100
58 32.3 24.2 36.2



#16
1,3-Butadiene
Concen: 1.016 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

Tgt Ion: 39 Resp: 7019
Ion Ratio Lower Upper
39 100
54 78.1 71.8 107.8





#17

tert-Butyl alcohol

Concen: 1.017 ppbv

RT: 2.046 min Scan# 604

Delta R.T. 0.003 min

Lab File: VL042548.D

Acq: 20 May 2025 10:18

Instrument :

MSVOA_1

ClientSampleId :

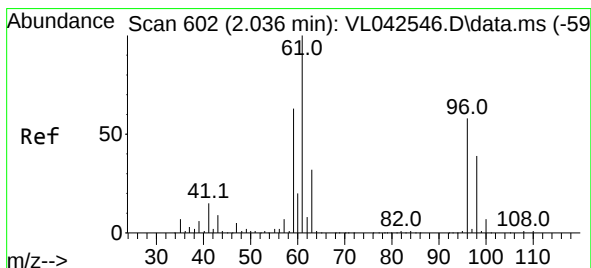
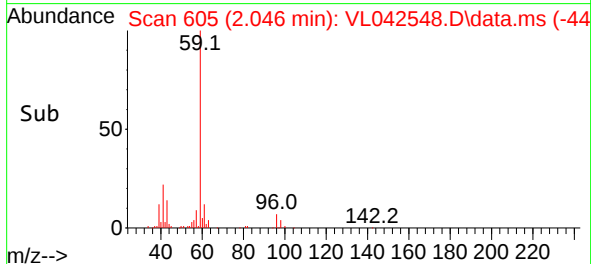
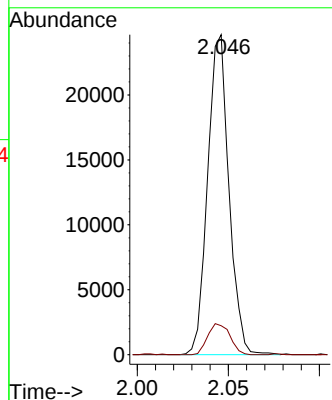
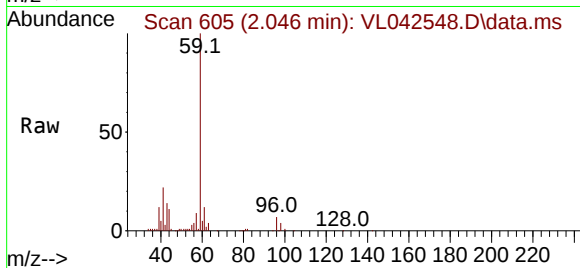
VSTDIC001

Tgt Ion: 59 Resp: 20004

Ion Ratio Lower Upper

59 100

57 10.2 8.2 12.2



#18

1,1-Dichloroethene

Concen: 1.034 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.000 min

Lab File: VL042548.D

Acq: 20 May 2025 10:18

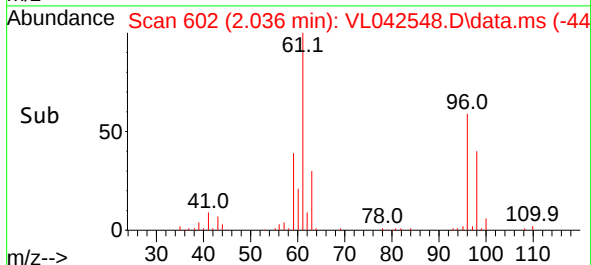
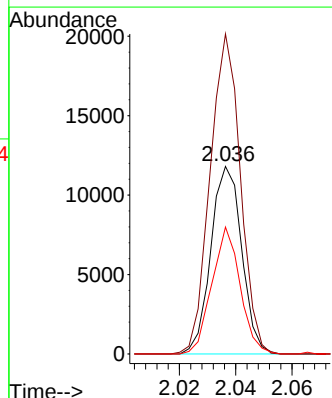
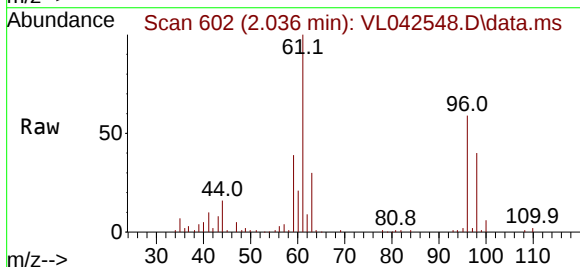
Tgt Ion: 96 Resp: 8987

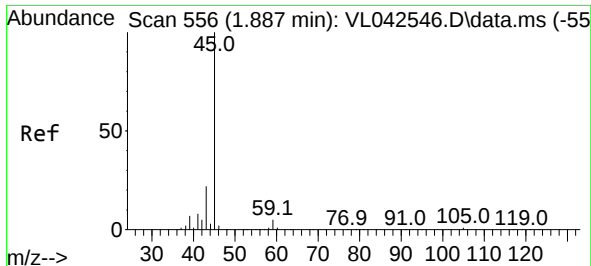
Ion Ratio Lower Upper

96 100

61 170.6 137.5 206.3

98 67.7 53.2 79.8

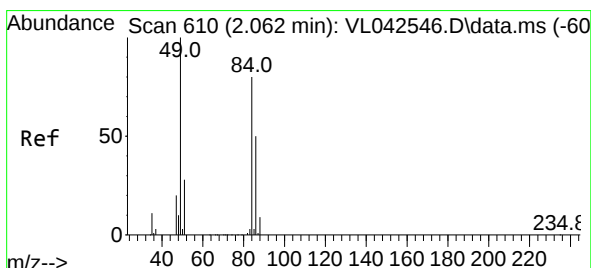
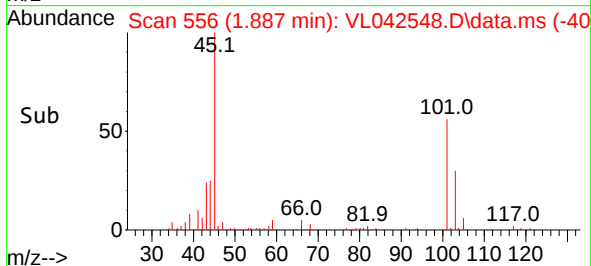
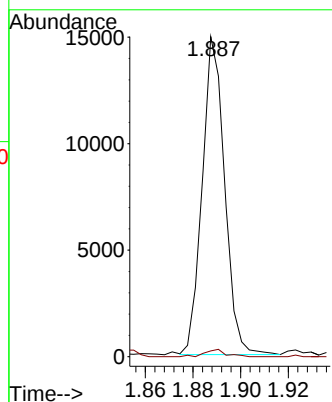
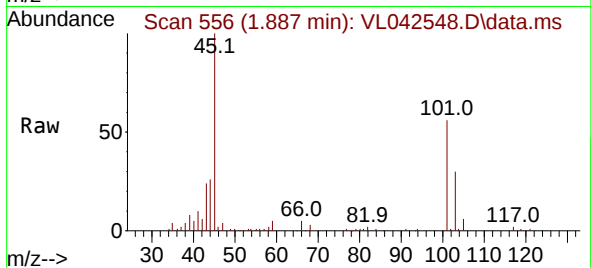




#19
Isopropyl Alcohol
Concen: 1.011 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

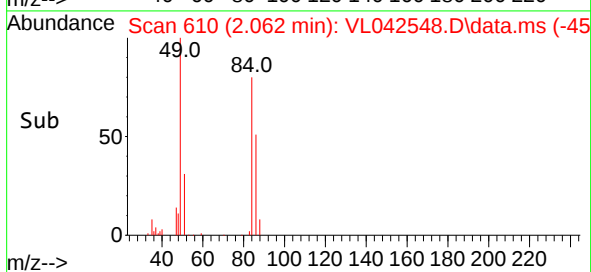
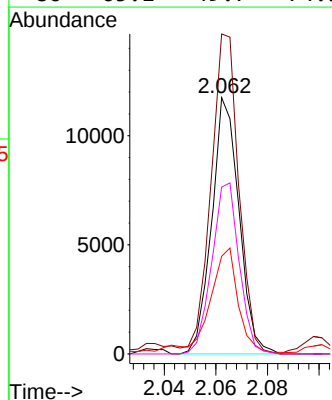
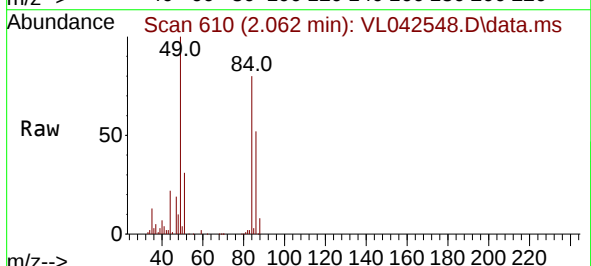
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

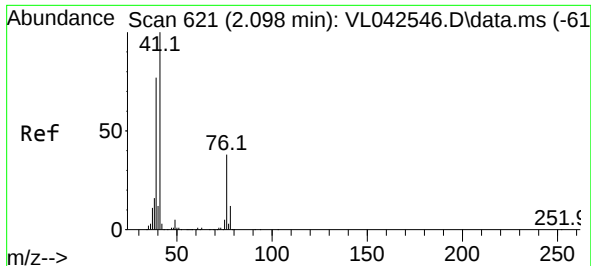
Tgt Ion: 45 Resp: 9785
Ion Ratio Lower Upper
45 100
58 62.9 35.3 52.9#



#20
Methylene Chloride
Concen: 1.049 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

Tgt Ion: 84 Resp: 8645
Ion Ratio Lower Upper
84 100
49 124.8 99.7 149.5
51 37.4 29.7 44.5
86 65.1 49.7 74.5

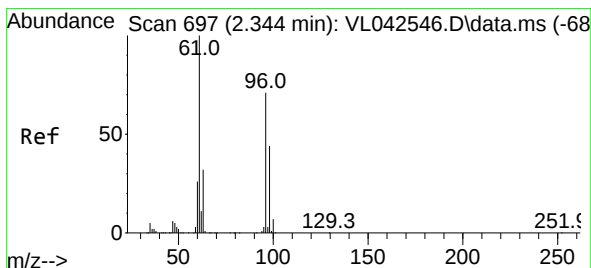
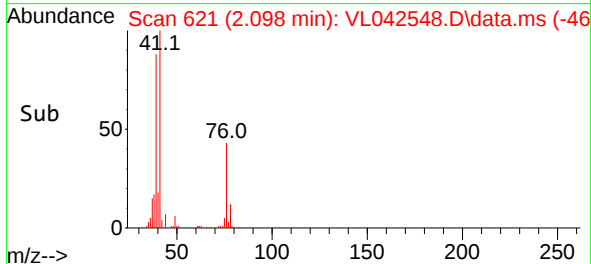
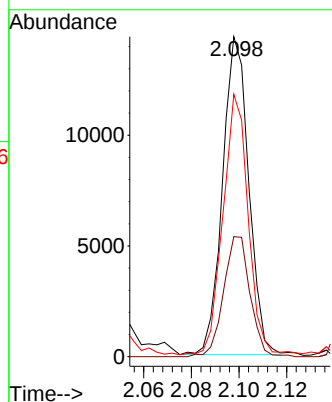
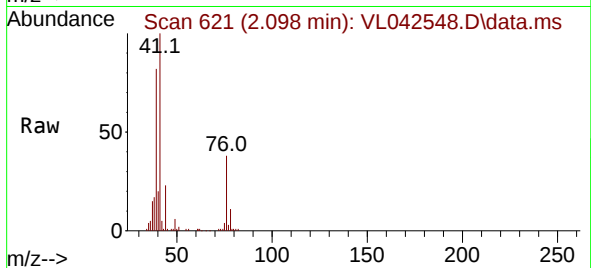




#21
 Allyl Chloride
 Concen: 1.004 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL042548.D
 Acq: 20 May 2025 10:18

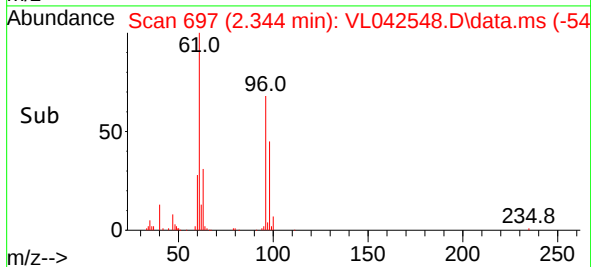
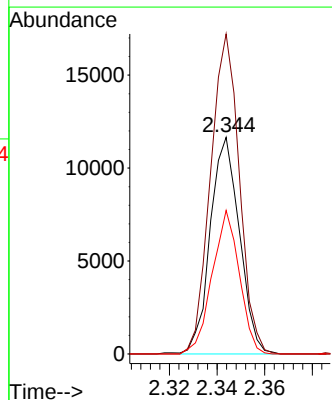
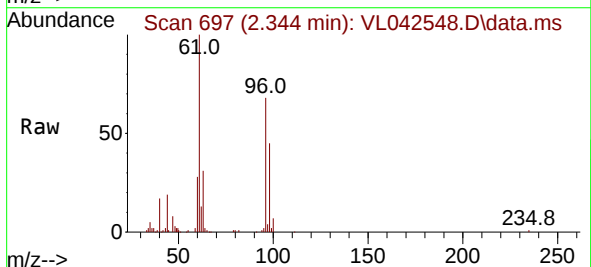
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

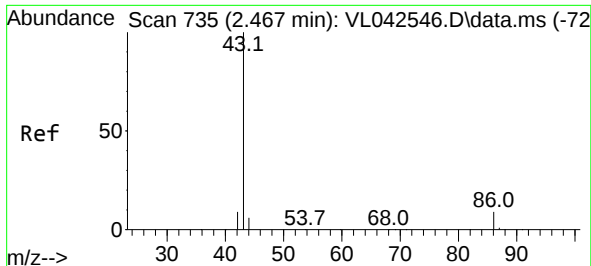
Tgt Ion: 41 Resp: 10945
 Ion Ratio Lower Upper
 41 100
 76 38.2 30.2 45.4
 39 79.1 62.5 93.7



#22
 trans-1,2-Dichloroethene
 Concen: 1.029 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.000 min
 Lab File: VL042548.D
 Acq: 20 May 2025 10:18

Tgt Ion: 96 Resp: 9930
 Ion Ratio Lower Upper
 96 100
 61 147.7 112.5 168.7
 98 66.2 49.0 73.4

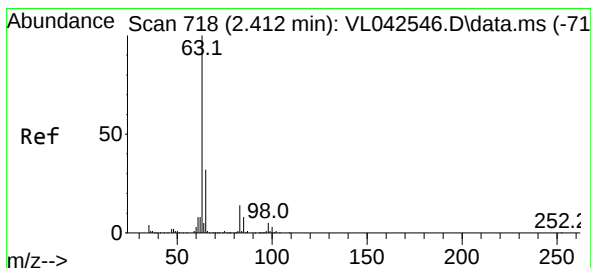
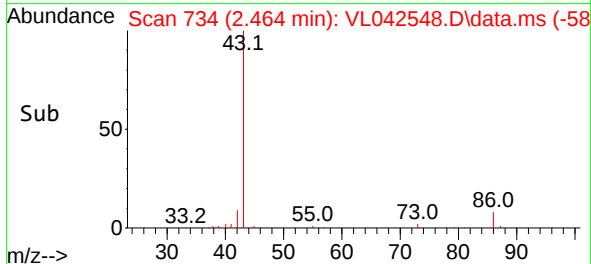
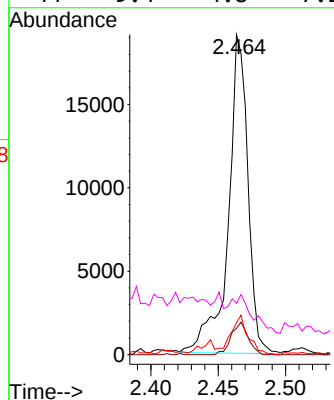
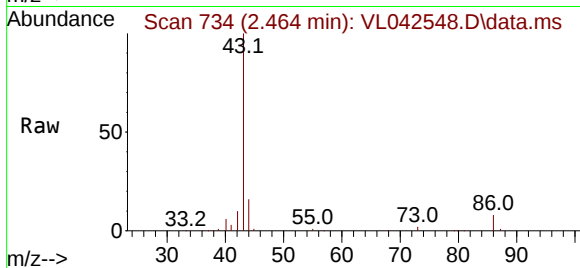




#23
 Vinyl Acetate
 Concen: 0.983 ppbv
 RT: 2.464 min Scan# 718
 Delta R.T. -0.003 min
 Lab File: VL042548.D
 Acq: 20 May 2025 10:18

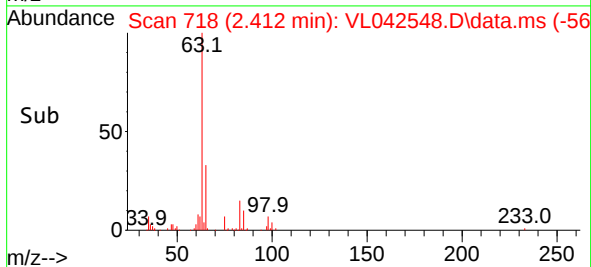
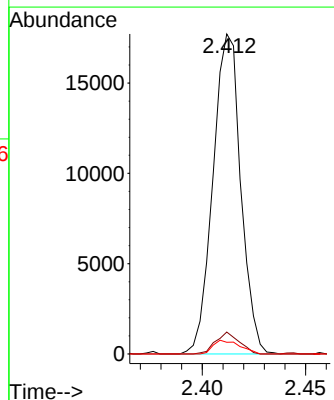
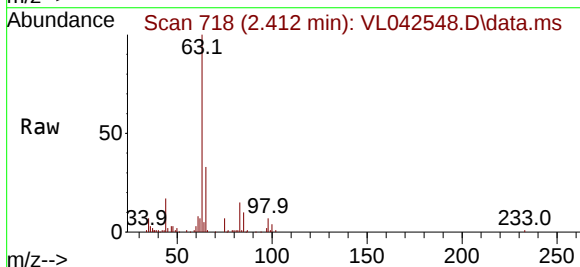
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

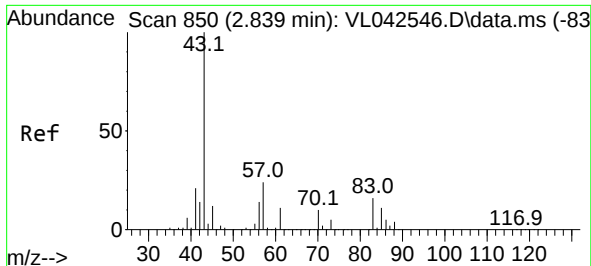
Tgt Ion:	43	Resp:	19418
Ion	Ratio	Lower	Upper
43	100		
86	8.3	7.0	10.6
42	10.0	7.4	11.2
44	9.4	4.8	7.2



#24
 1,1-Dichloroethane
 Concen: 1.004 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL042548.D
 Acq: 20 May 2025 10:18

Tgt Ion:	63	Resp:	16603
Ion	Ratio	Lower	Upper
63	100		
98	6.8	2.6	7.8
100	3.7	1.8	5.3

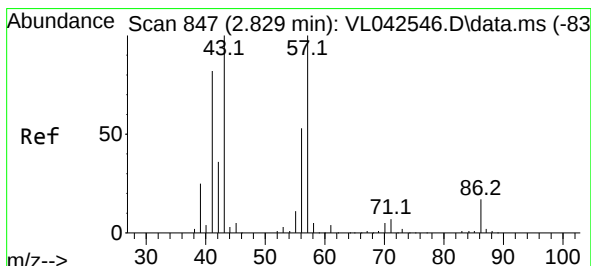
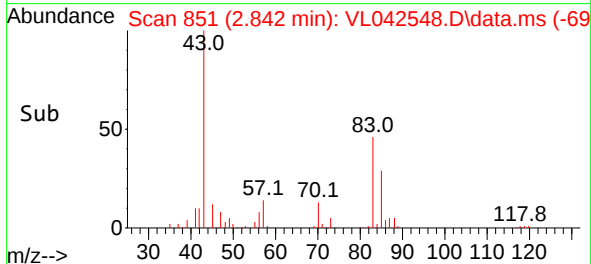
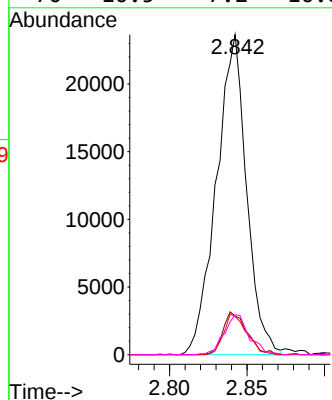
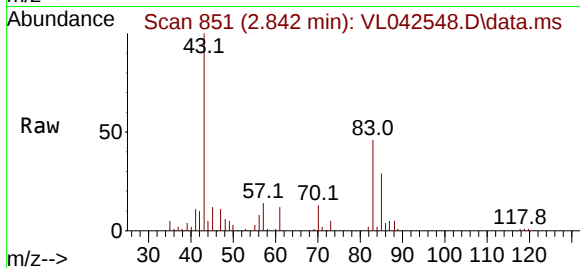




#25
Ethyl Acetate
Concen: 0.973 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.003 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

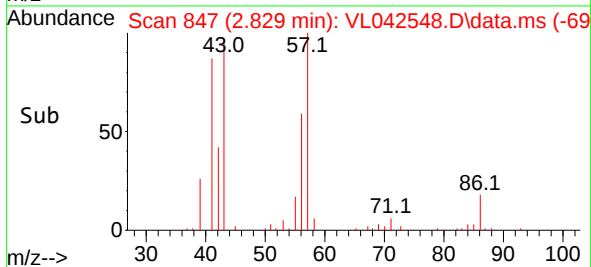
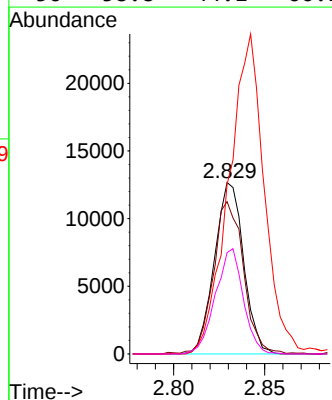
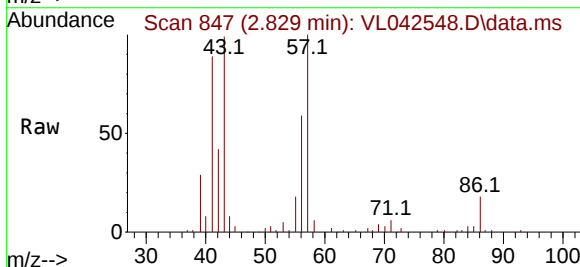
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

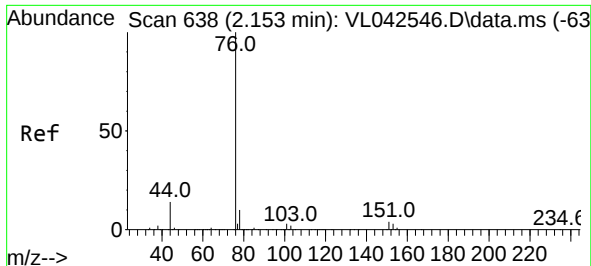
Tgt Ion: 43	Resp: 32005
Ion Ratio	Lower Upper
43 100	
45 10.7	8.0 12.0
61 9.7	7.5 11.3
70 10.5	7.2 10.8



#26
Hexane
Concen: 0.945 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

Tgt Ion: 57	Resp: 14060
Ion Ratio	Lower Upper
57 100	
41 92.1	69.0 103.4
43 231.1	174.2 261.2
56 58.8	44.1 66.1





#27

Carbon Disulfide

Concen: 1.016 ppbv

RT: 2.153 min Scan# 61

Delta R.T. 0.000 min

Lab File: VL042548.D

Acq: 20 May 2025 10:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

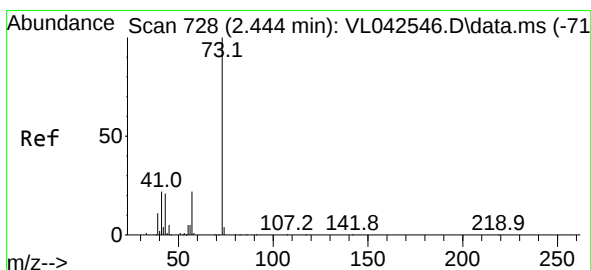
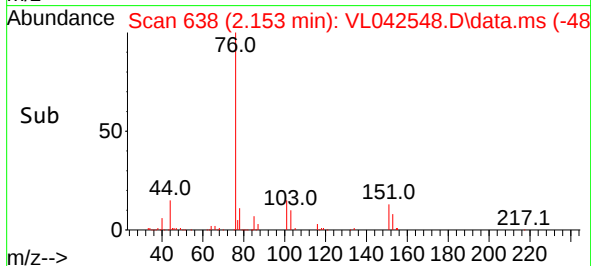
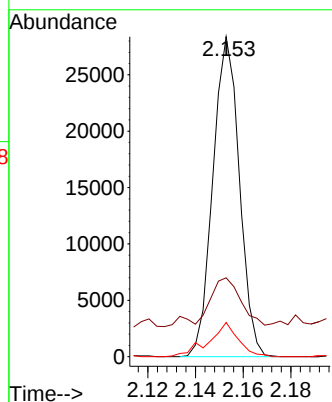
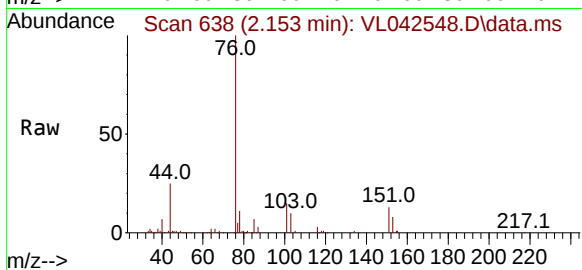
Tgt Ion: 76 Resp: 21898

Ion Ratio Lower Upper

76 100

44 33.8 14.0 21.0#

78 11.9 9.4 14.0



#28

Methyl tert-Butyl Ether

Concen: 1.014 ppbv

RT: 2.444 min Scan# 728

Delta R.T. 0.000 min

Lab File: VL042548.D

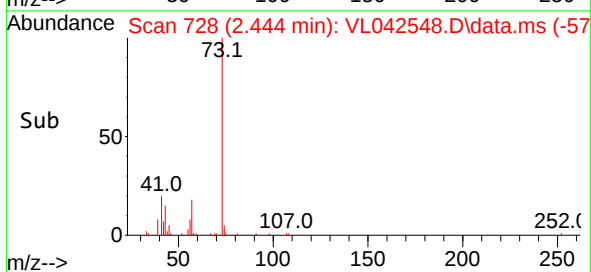
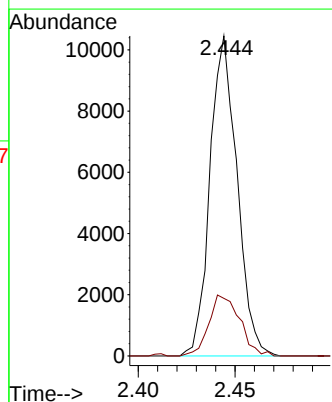
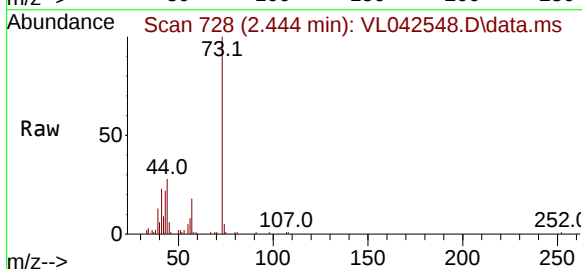
Acq: 20 May 2025 10:18

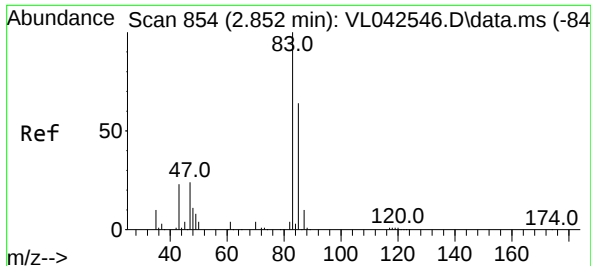
Tgt Ion: 73 Resp: 10164

Ion Ratio Lower Upper

73 100

57 22.0 17.2 25.8





#29

Chloroform

Concen: 1.012 ppbv

RT: 2.852 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL042548.D

Acq: 20 May 2025 10:18

Instrument :

MSVOA_L

ClientSampleId :

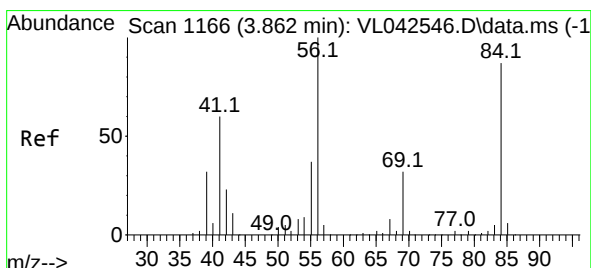
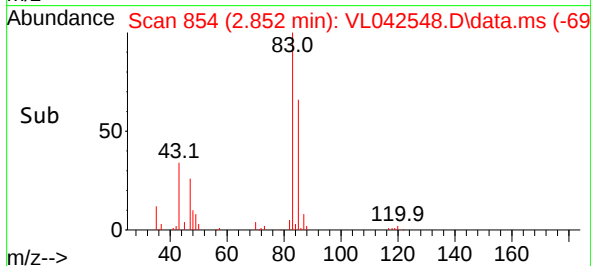
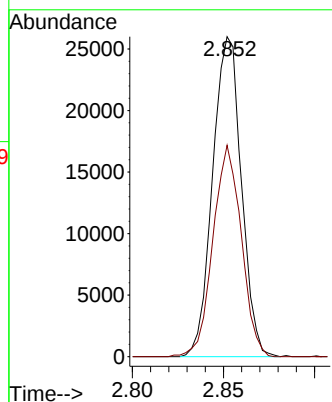
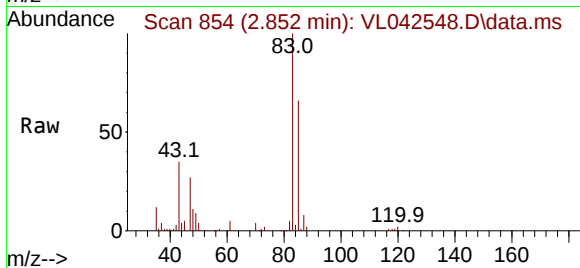
VSTDIC001

Tgt Ion: 83 Resp: 28469

Ion Ratio Lower Upper

83 100

85 66.0 51.6 77.4



#30

Cyclohexane

Concen: 0.472 ppbv

RT: 3.859 min Scan# 1165

Delta R.T. -0.003 min

Lab File: VL042548.D

Acq: 20 May 2025 10:18

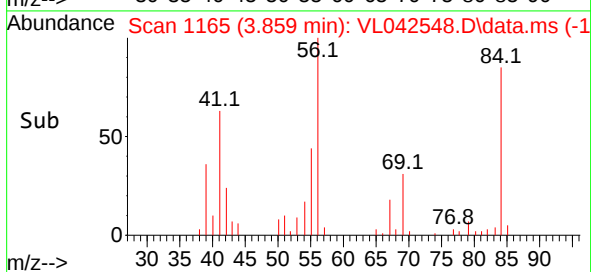
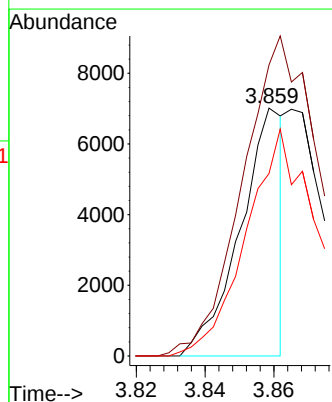
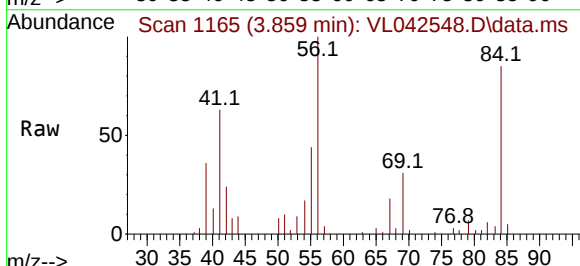
Tgt Ion: 84 Resp: 6070

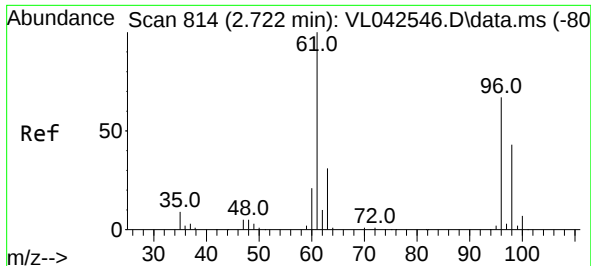
Ion Ratio Lower Upper

84 100

56 236.2 92.3 138.5#

41 154.4 57.0 85.4#

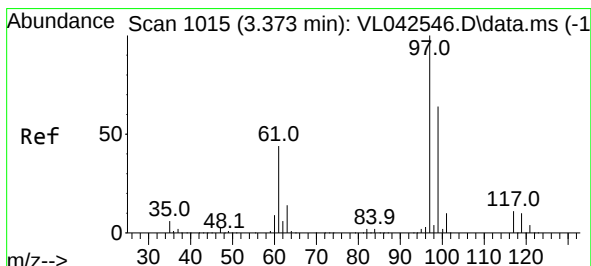
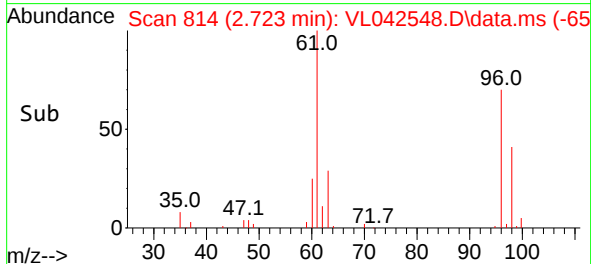
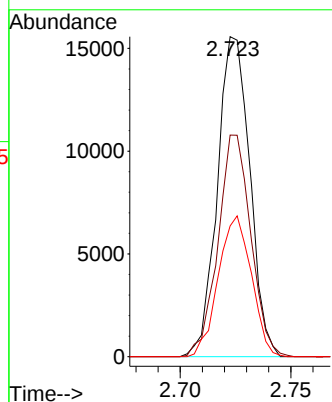
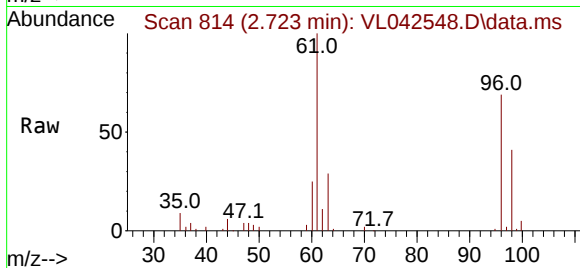




#31
 cis-1,2-Dichloroethene
 Concen: 0.973 ppbv
 RT: 2.723 min Scan# 814
 Delta R.T. 0.000 min
 Lab File: VL042548.D
 Acq: 20 May 2025 10:18

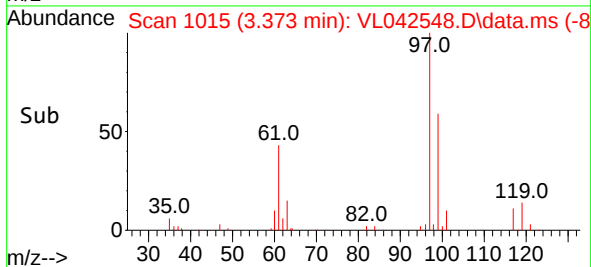
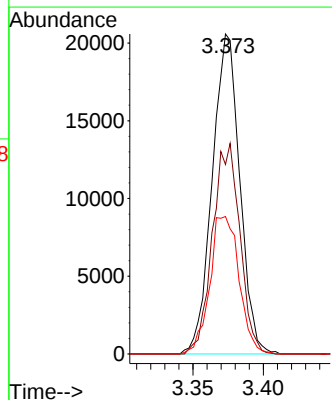
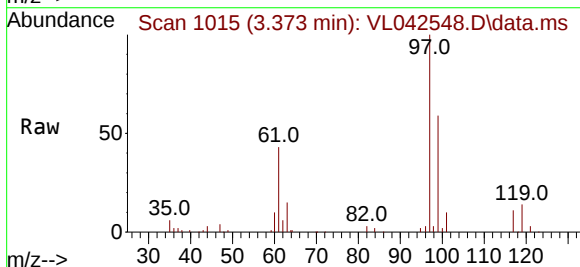
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

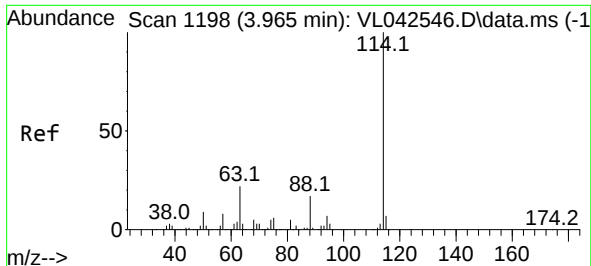
Tgt Ion: 61 Resp: 15923
 Ion Ratio Lower Upper
 61 100
 96 69.3 53.8 80.8
 98 40.9 34.5 51.7



#32
 1,1,1-Trichloroethane
 Concen: 0.973 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.000 min
 Lab File: VL042548.D
 Acq: 20 May 2025 10:18

Tgt Ion: 97 Resp: 27981
 Ion Ratio Lower Upper
 97 100
 99 65.4 51.5 77.3
 61 45.8 35.7 53.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1198

Delta R.T. -0.003 min

Lab File: VL042548.D

Acq: 20 May 2025 10:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

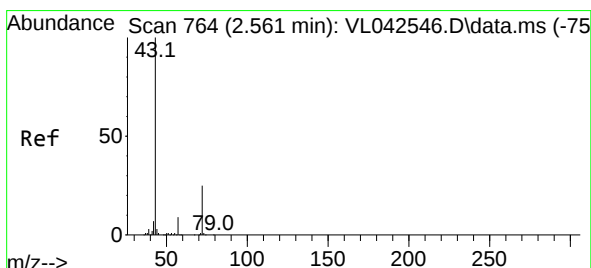
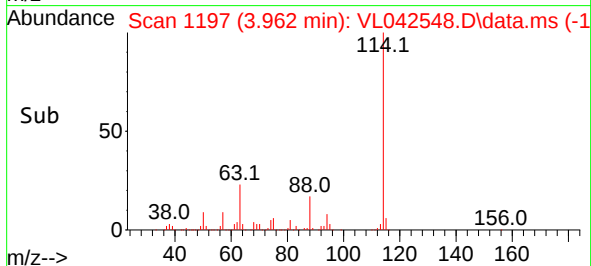
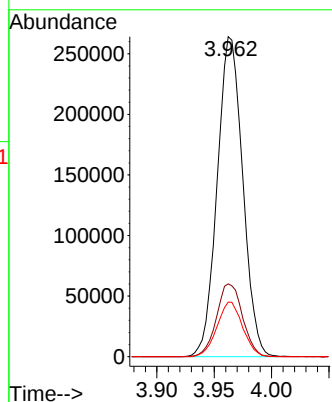
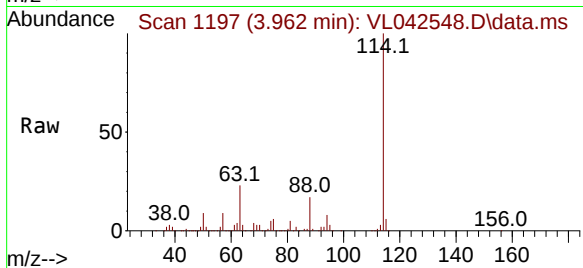
Tgt Ion:114 Resp: 408860

Ion Ratio Lower Upper

114 100

63 23.2 18.4 27.6

88 17.1 14.0 21.0



#34

2-Butanone

Concen: 1.028 ppbv

RT: 2.561 min Scan# 764

Delta R.T. 0.000 min

Lab File: VL042548.D

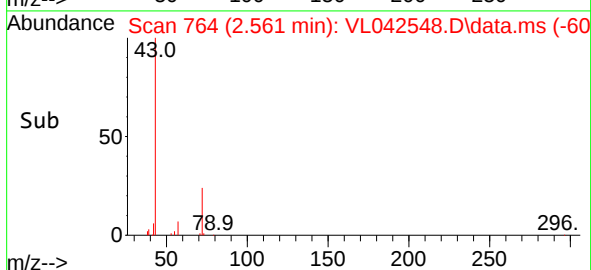
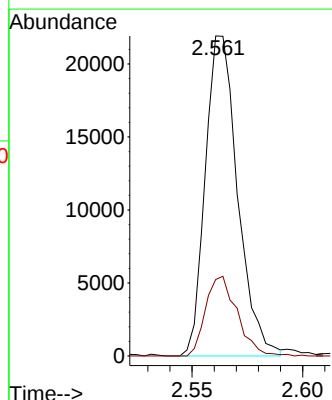
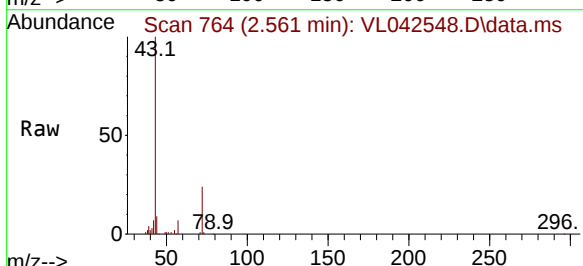
Acq: 20 May 2025 10:18

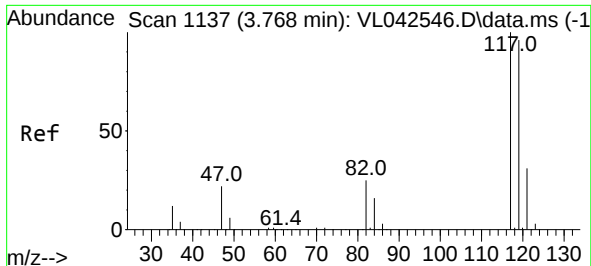
Tgt Ion: 43 Resp: 22303

Ion Ratio Lower Upper

43 100

72 24.3 20.5 30.7

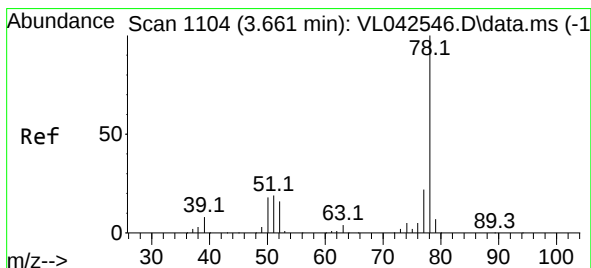
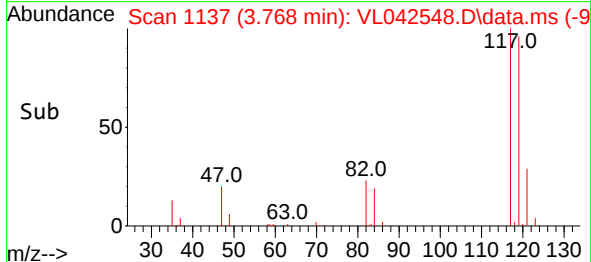
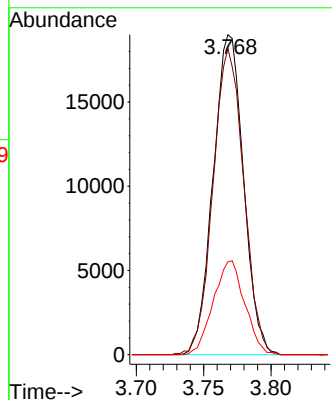
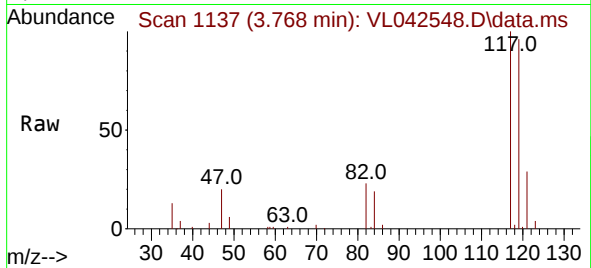




#35
Carbon Tetrachloride
Concen: 0.956 ppbv
RT: 3.768 min Scan# 1137
Delta R.T. 0.000 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

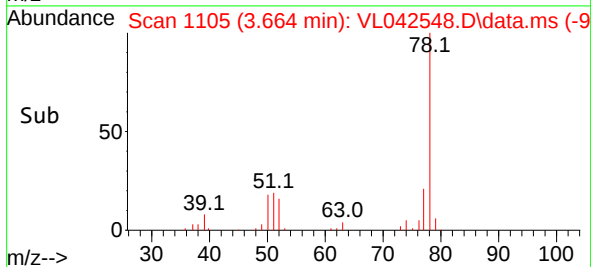
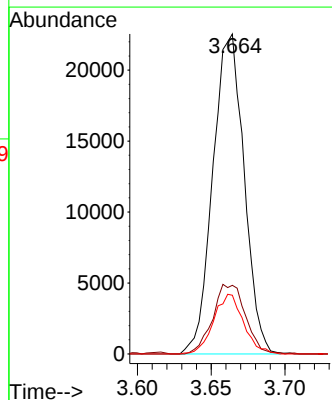
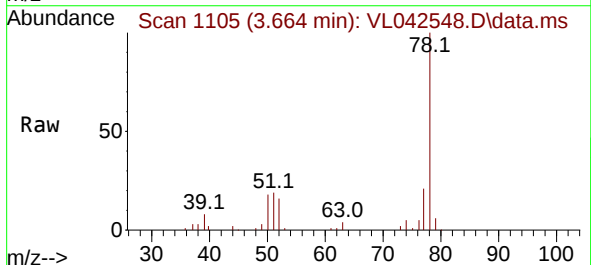
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

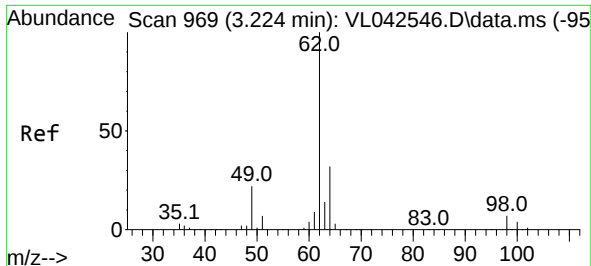
Tgt Ion:117 Resp: 29802
Ion Ratio Lower Upper
117 100
119 95.7 76.6 114.8
121 29.0 24.7 37.1



#36
Benzene
Concen: 1.005 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.003 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

Tgt Ion: 78 Resp: 33246
Ion Ratio Lower Upper
78 100
77 21.5 17.8 26.6
50 18.4 14.0 21.0

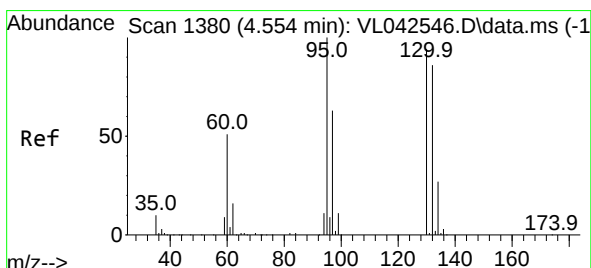
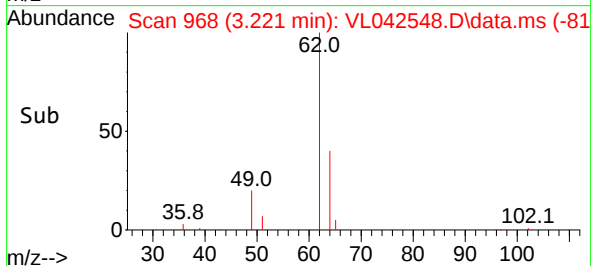
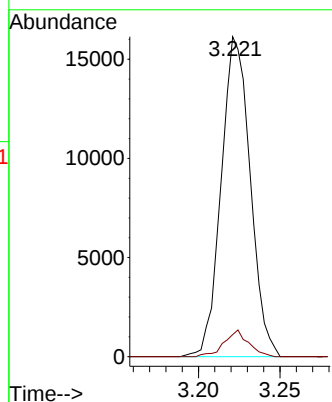
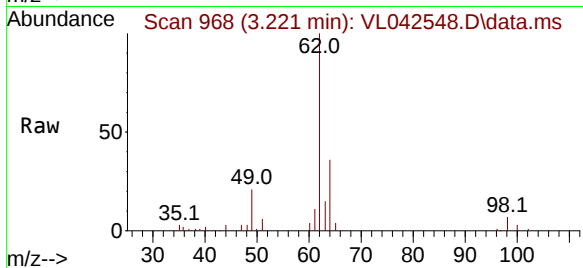




#37
1,2-Dichloroethane
Concen: 0.988 ppbv
RT: 3.221 min Scan# 968
Delta R.T. -0.003 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

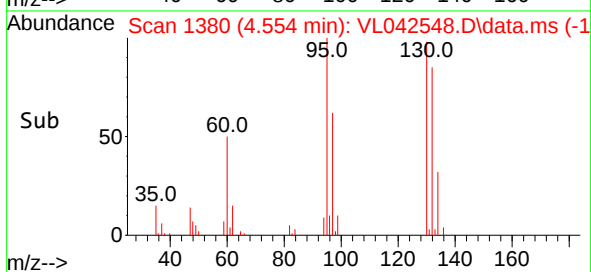
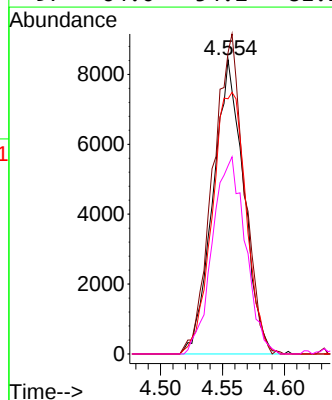
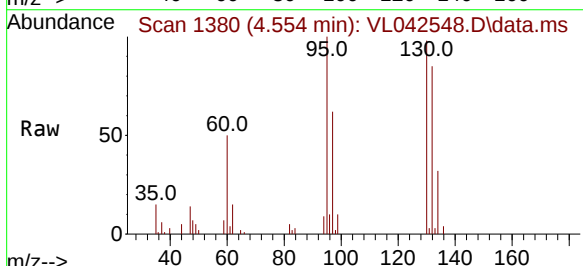
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

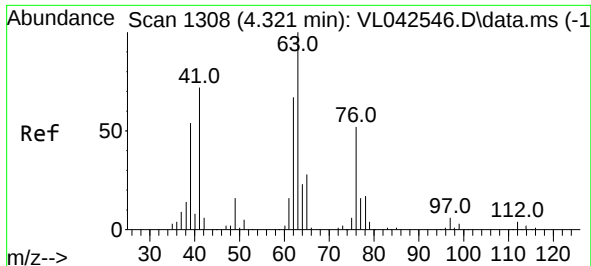
Tgt Ion: 62 Resp: 19984
Ion Ratio Lower Upper
62 100
98 7.0 5.5 8.3



#38
Trichloroethene
Concen: 0.965 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

Tgt Ion:130 Resp: 14572
Ion Ratio Lower Upper
130 100
95 102.4 85.2 127.8
132 86.7 73.4 110.2
97 64.0 54.2 81.2





#39

1,2-Dichloropropane

Concen: 0.562 ppbv

RT: 4.325 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL042548.D

Acq: 20 May 2025 10:18

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

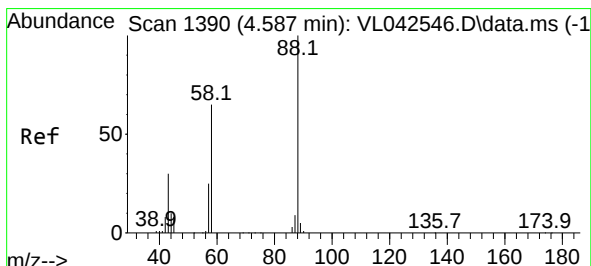
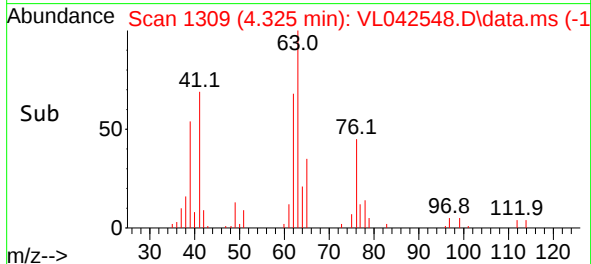
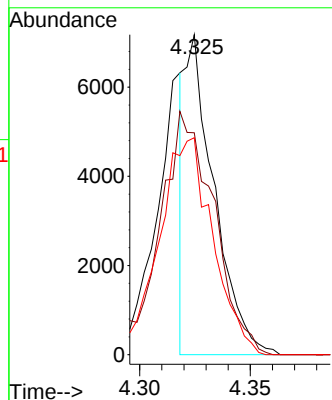
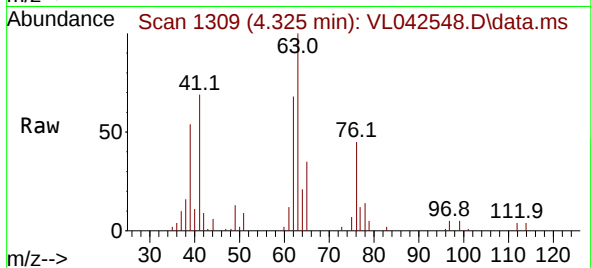
Tgt Ion: 63 Resp: 6530

Ion Ratio Lower Upper

63 100

41 69.3 58.0 87.0

62 67.8 53.3 79.9



#40

1,4-Dioxane

Concen: 0.891 ppbv

RT: 4.606 min Scan# 1396

Delta R.T. 0.019 min

Lab File: VL042548.D

Acq: 20 May 2025 10:18

Tgt Ion: 88 Resp: 4655

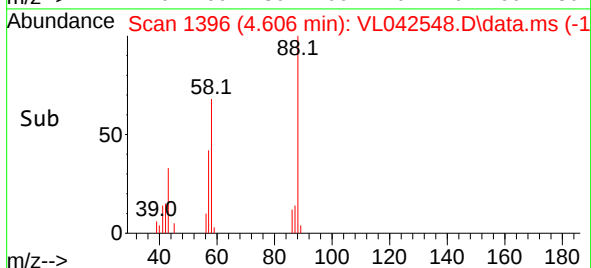
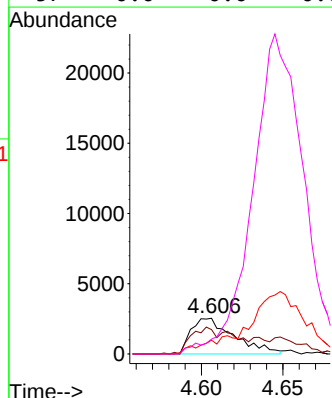
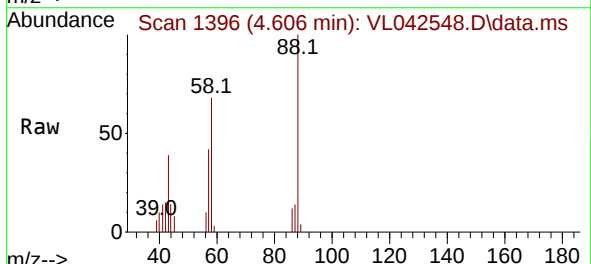
Ion Ratio Lower Upper

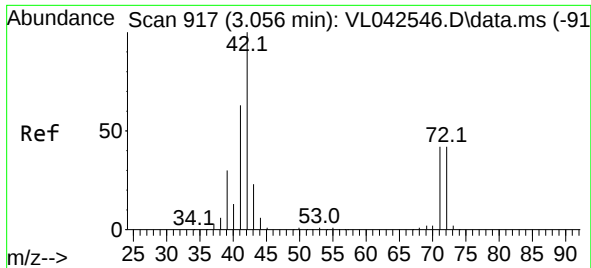
88 100

58 122.7 52.8 79.2#

43 0.0 23.0 34.4#

57 0.0 0.0 0.0

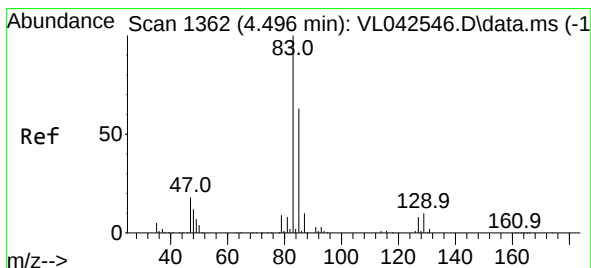
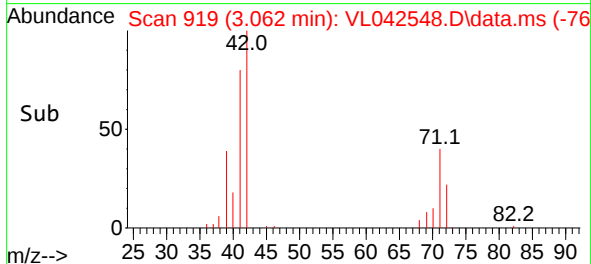
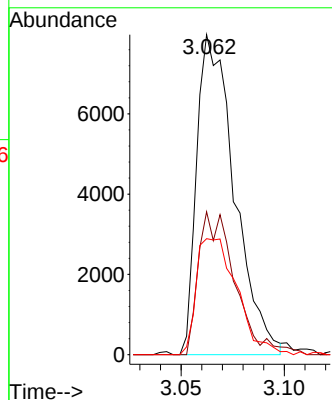
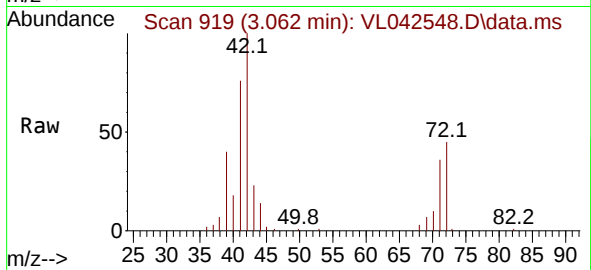




#41
Tetrahydrofuran
Concen: 0.957 ppbv
RT: 3.062 min Scan# 917
Delta R.T. 0.007 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

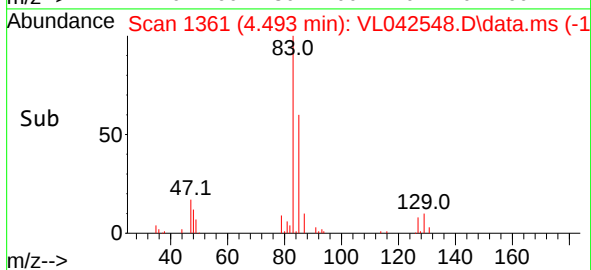
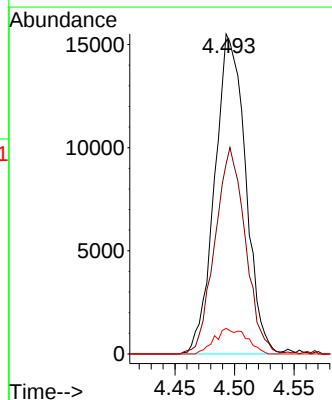
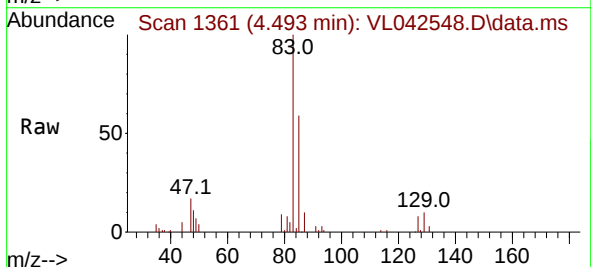
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

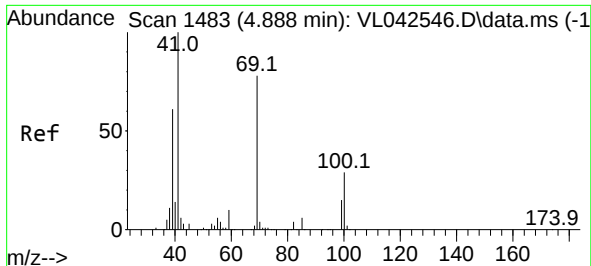
Tgt Ion: 42 Resp: 10122
Ion Ratio Lower Upper
42 100
72 43.4 34.8 52.2
71 39.4 33.6 50.4



#42
Bromodichloromethane
Concen: 0.978 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. -0.003 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

Tgt Ion: 83 Resp: 27880
Ion Ratio Lower Upper
83 100
85 59.4 50.4 75.6
127 8.0 6.5 9.7

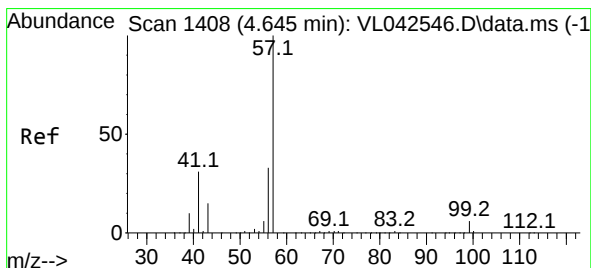
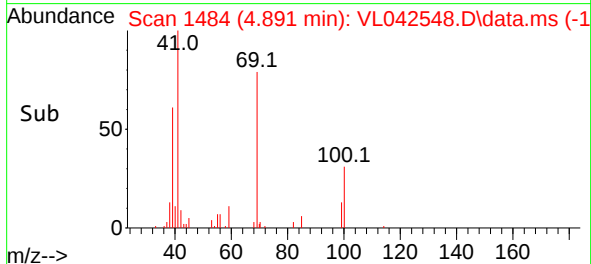
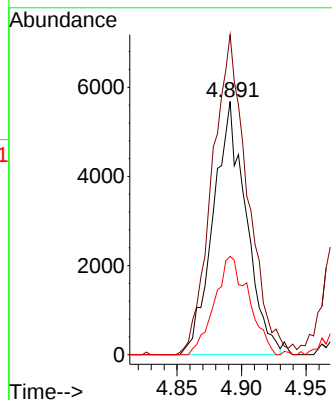
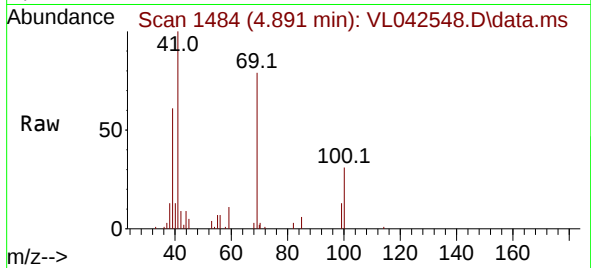




#43
Methyl Methacrylate
Concen: 0.899 ppbv
RT: 4.891 min Scan# 1484
Delta R.T. 0.003 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

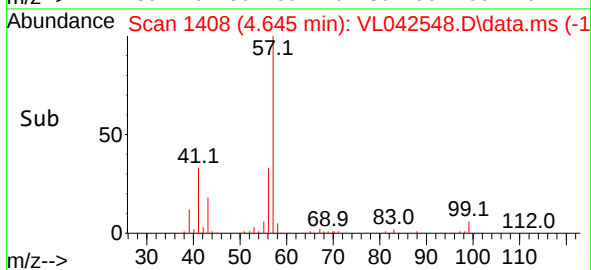
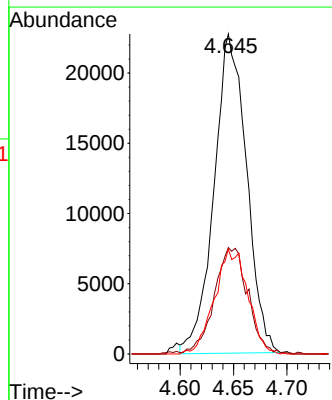
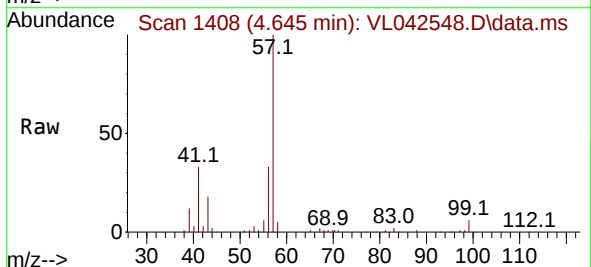
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

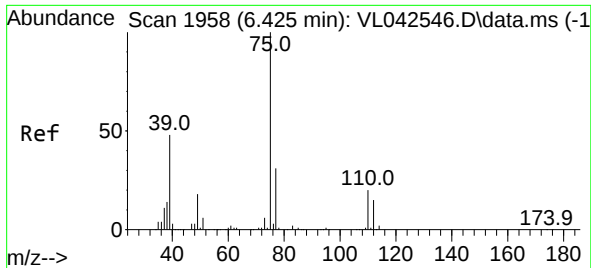
Tgt Ion: 69 Resp: 10072
Ion Ratio Lower Upper
69 100
41 135.7 107.8 161.8
100 40.5 30.3 45.5



#44
2,2,4-Trimethylpentane
Concen: 0.950 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.000 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

Tgt Ion: 57 Resp: 48046
Ion Ratio Lower Upper
57 100
41 34.9 25.0 37.4
56 33.6 25.1 37.7

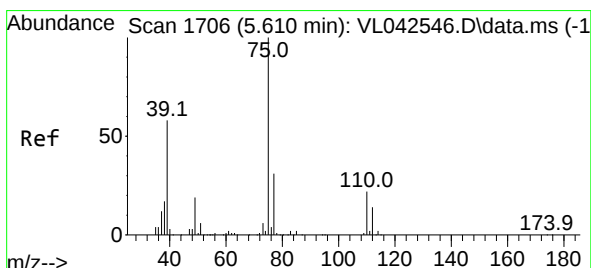
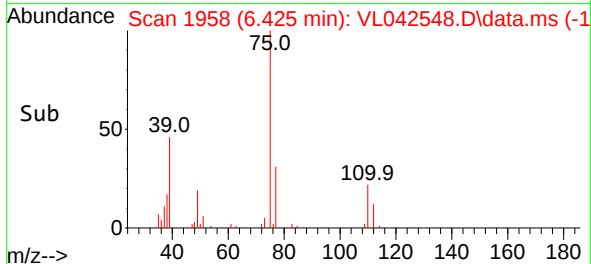
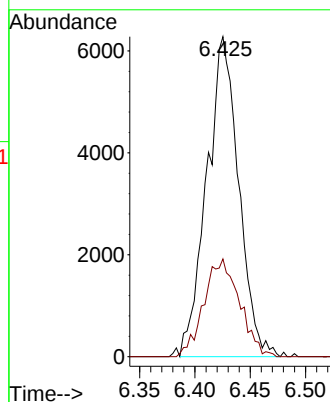
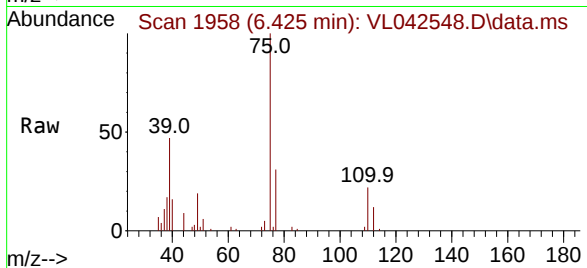




#45
t-1,3-Dichloropropene
Concen: 0.882 ppbv
RT: 6.425 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

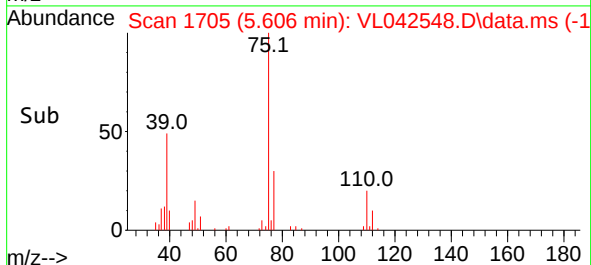
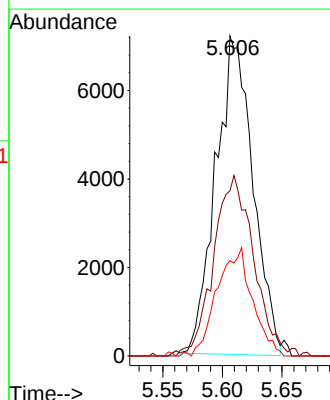
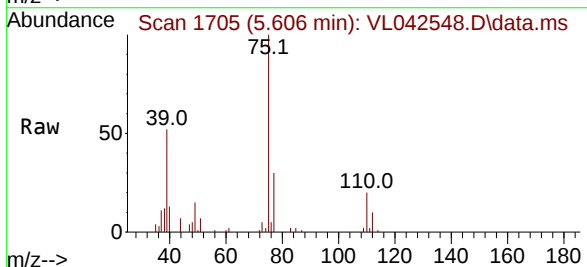
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

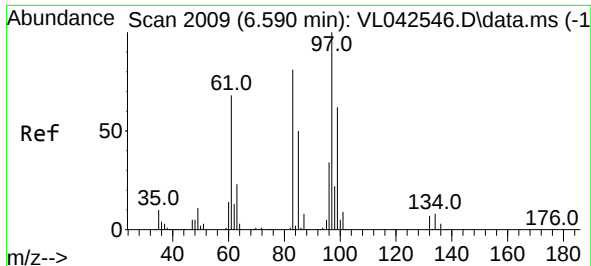
Tgt Ion: 75 Resp: 12603
Ion Ratio Lower Upper
75 100
77 30.6 24.6 37.0



#46
cis-1,3-Dichloropropene
Concen: 0.899 ppbv
RT: 5.606 min Scan# 1705
Delta R.T. -0.003 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

Tgt Ion: 75 Resp: 15591
Ion Ratio Lower Upper
75 100
39 50.4 46.3 69.5
77 30.0 25.0 37.6

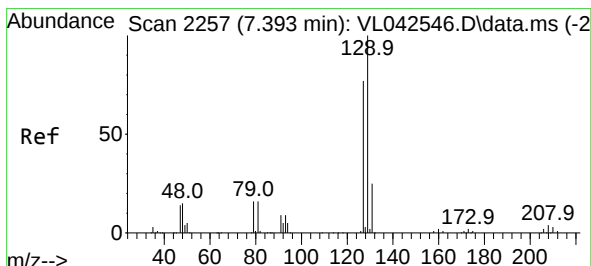
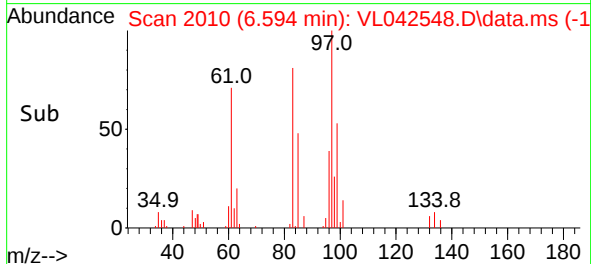
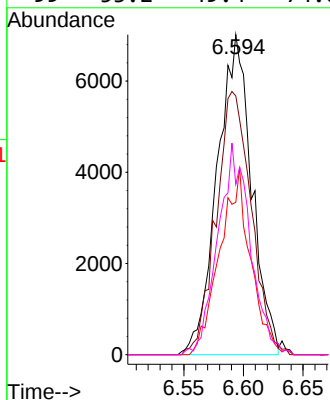
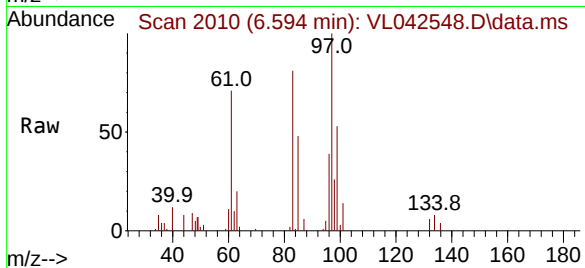




#47
 1,1,2-Trichloroethane
 Concen: 1.016 ppbv
 RT: 6.594 min Scan# 2009
 Delta R.T. 0.003 min
 Lab File: VL042548.D
 Acq: 20 May 2025 10:18

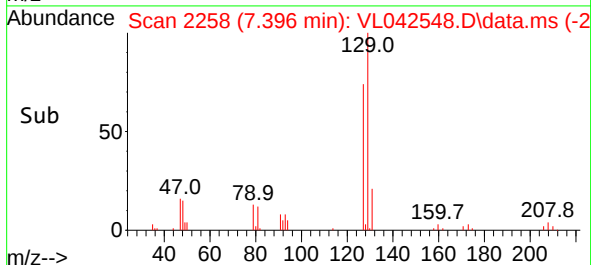
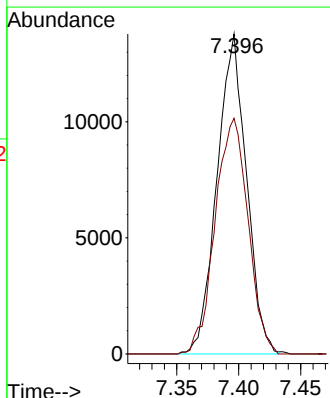
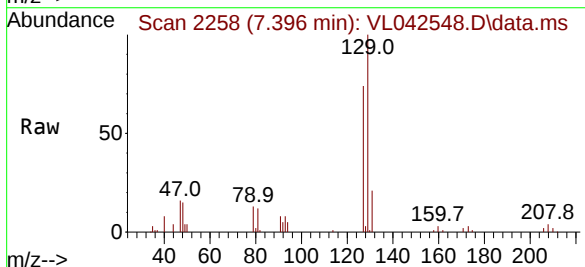
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

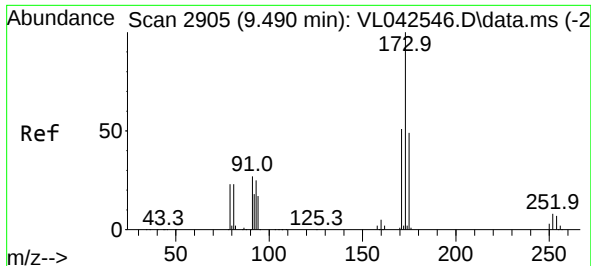
Tgt Ion: 97	Resp: 14141
Ion Ratio	Lower Upper
97 100	
83 80.9	65.0 97.4
85 47.7	39.9 59.9
99 53.2	49.4 74.0



#48
 Dibromochloromethane
 Concen: 0.948 ppbv
 RT: 7.396 min Scan# 2258
 Delta R.T. 0.003 min
 Lab File: VL042548.D
 Acq: 20 May 2025 10:18

Tgt Ion:129	Resp:	22830	
Ion	Ratio	Lower	Upper
129	100		
127	82.1	39.0	117.0

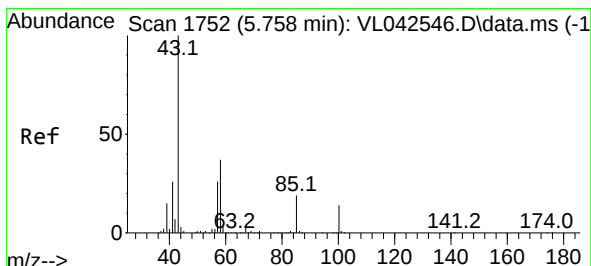
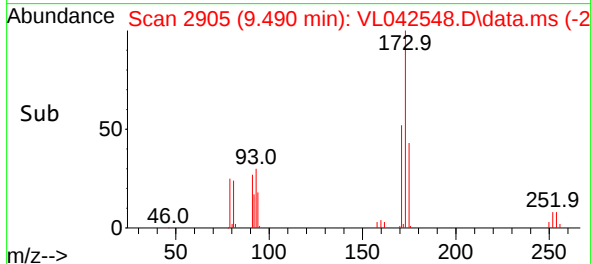
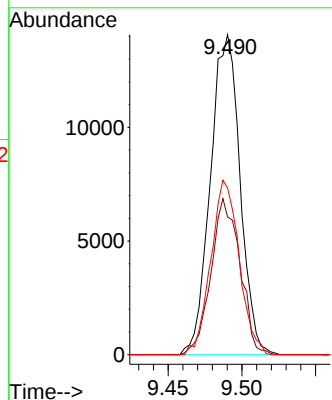
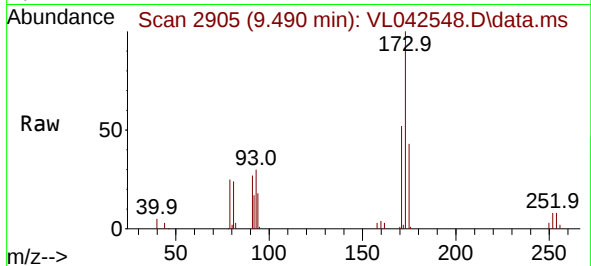




#49
Bromoform
Concen: 0.958 ppbv
RT: 9.490 min Scan# 2905
Delta R.T. 0.000 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

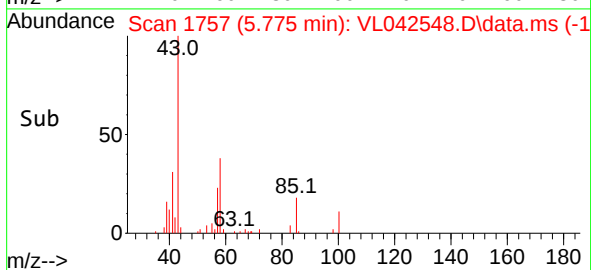
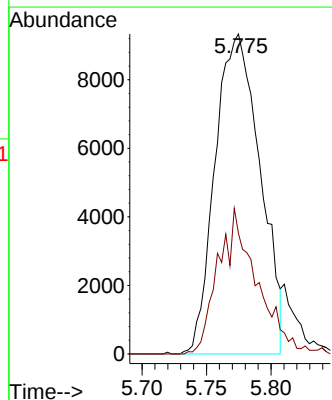
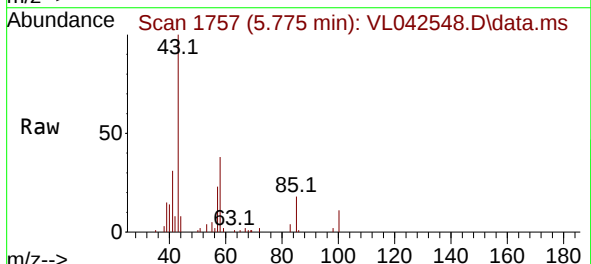
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

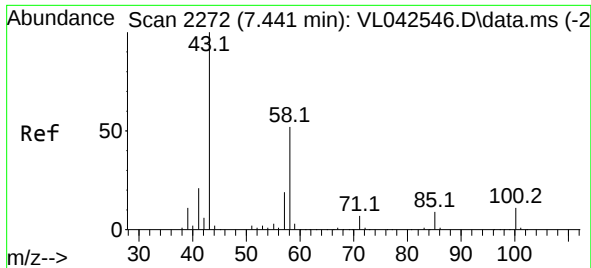
Tgt Ion:173 Resp: 19689
Ion Ratio Lower Upper
173 100
175 47.7 39.2 58.8
171 52.2 41.9 62.9



#50
4-Methyl-2-Pentanone
Concen: 0.870 ppbv
RT: 5.775 min Scan# 1757
Delta R.T. 0.016 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

Tgt Ion: 43 Resp: 22608
Ion Ratio Lower Upper
43 100
58 39.6 30.0 45.0

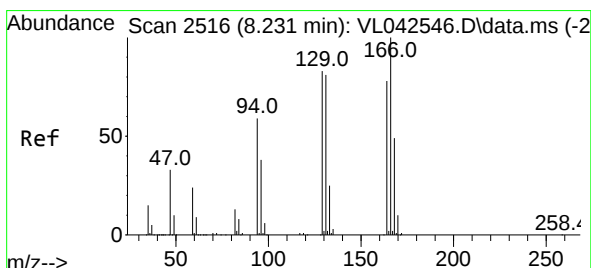
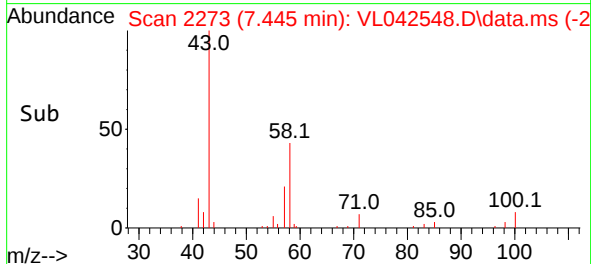
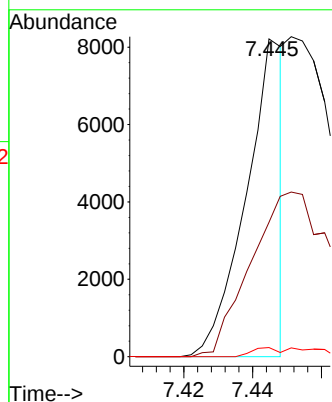
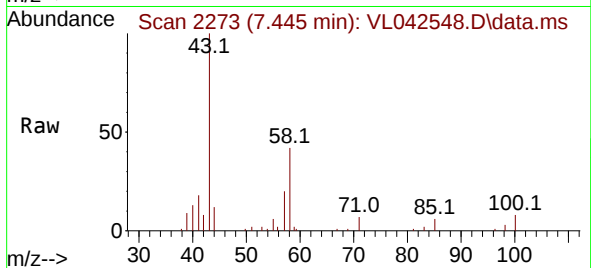




#51
2-Hexanone
Concen: 0.325 ppbv
RT: 7.445 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

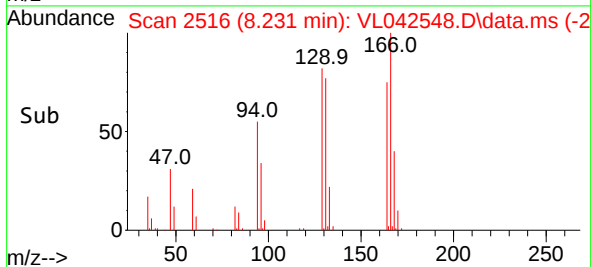
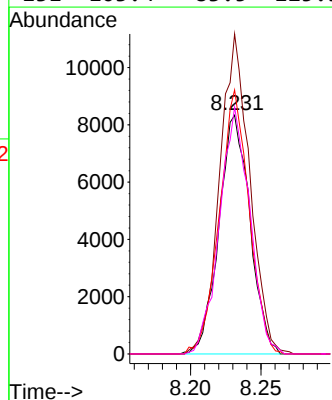
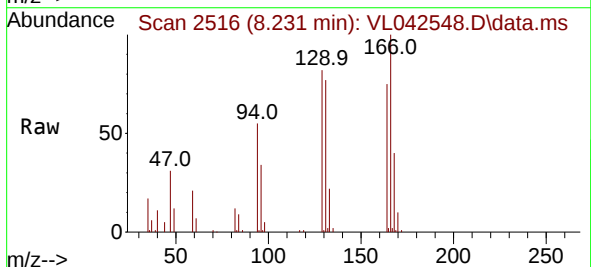
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

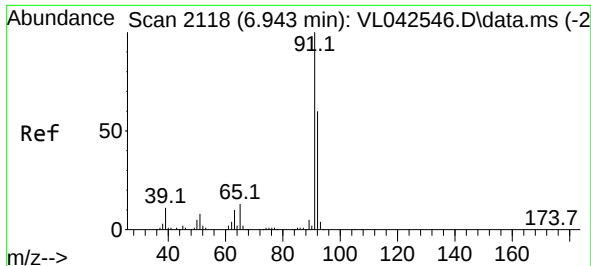
Tgt Ion: 43 Resp: 6201
Ion Ratio Lower Upper
43 100
58 0.0 41.4 62.2#
98 5.4 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.989 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.000 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

Tgt Ion: 164 Resp: 12767
Ion Ratio Lower Upper
164 100
166 134.0 103.1 154.7
129 110.6 85.3 127.9
131 103.4 83.5 125.3

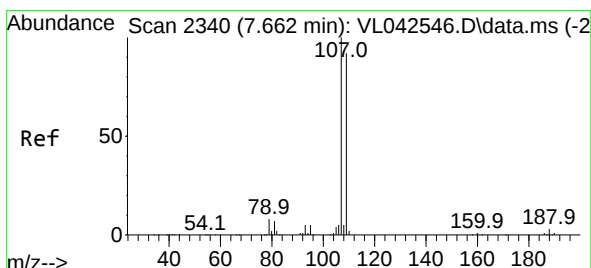
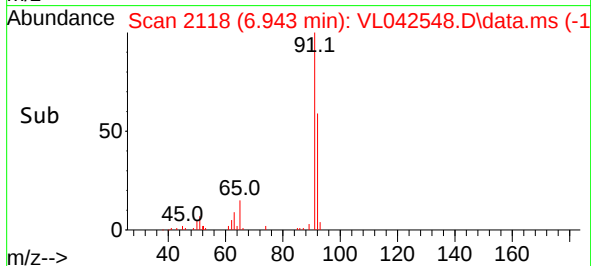
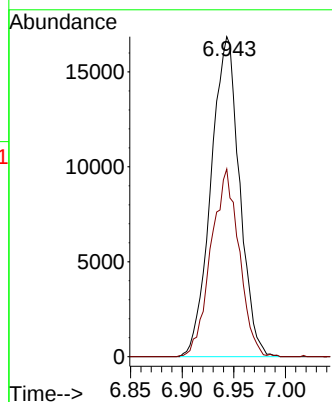
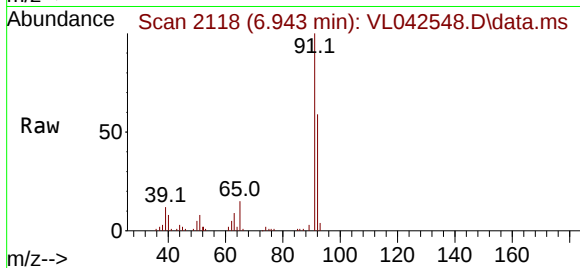




#53
Toluene
Concen: 0.919 ppbv
RT: 6.943 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

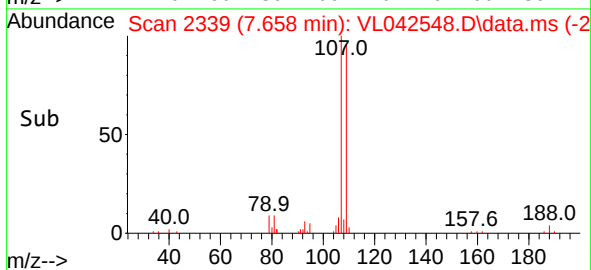
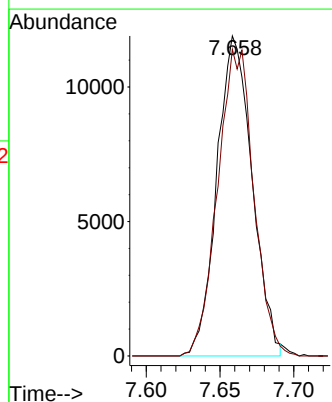
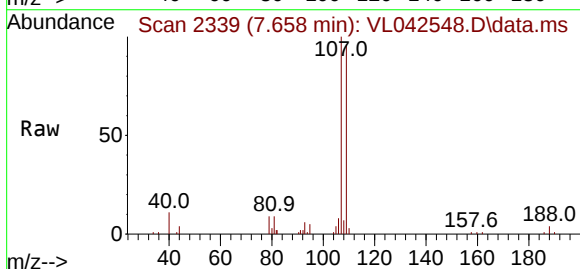
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

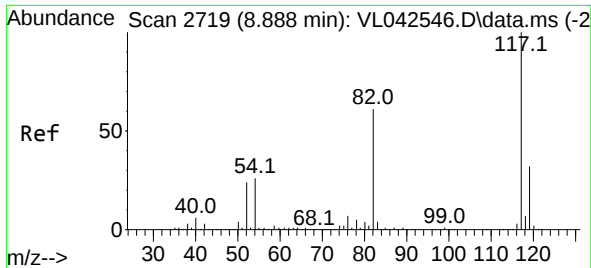
Tgt Ion: 91 Resp: 32491
Ion Ratio Lower Upper
91 100
92 57.7 47.8 71.8



#54
1,2-Dibromoethane
Concen: 0.976 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. -0.003 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

Tgt Ion: 107 Resp: 19751
Ion Ratio Lower Upper
107 100
109 95.8 73.4 110.2

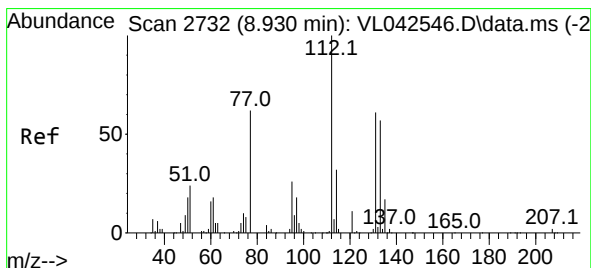
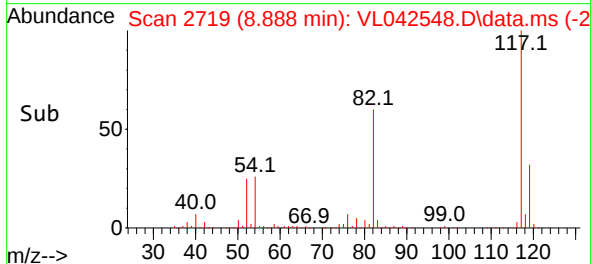
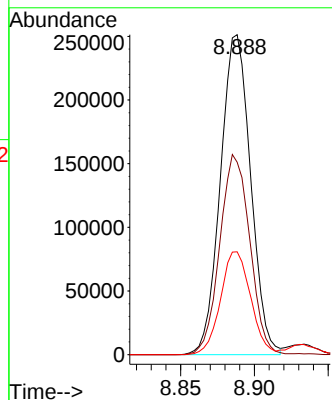
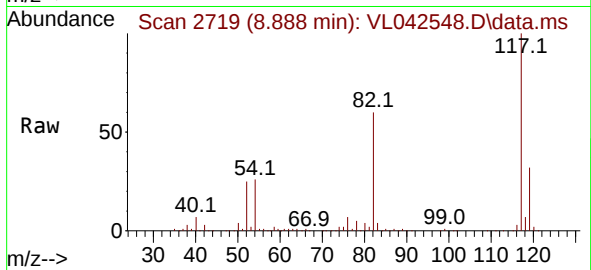




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.000 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

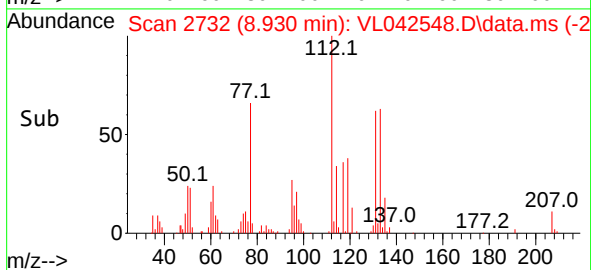
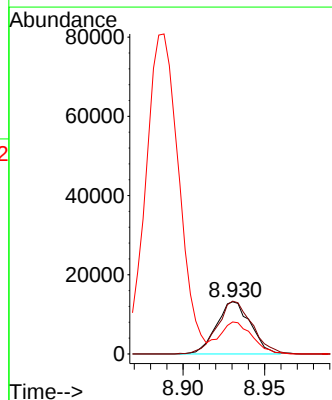
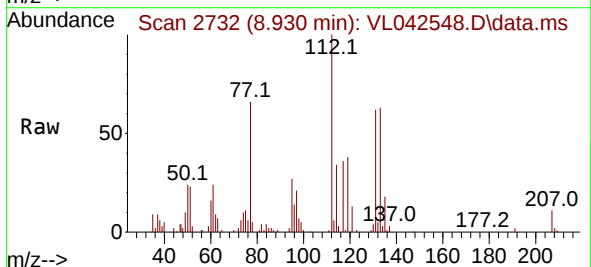
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

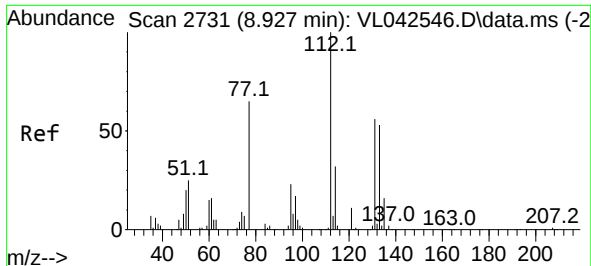
Tgt Ion:117 Resp: 358392
Ion Ratio Lower Upper
117 100
82 62.5 51.0 76.4
119 32.7 27.0 40.4



#56
1,1,1,2-Tetrachloroethane
Concen: 0.999 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. 0.000 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

Tgt Ion:131 Resp: 19084
Ion Ratio Lower Upper
131 100
133 103.6 76.3 114.5
119 55.3 47.5 71.3

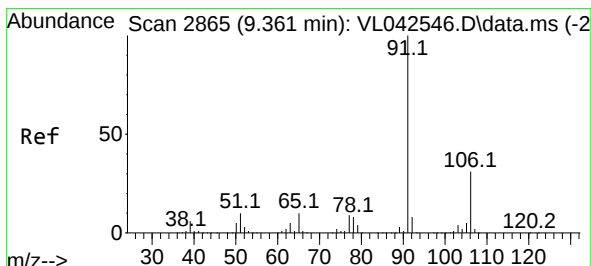
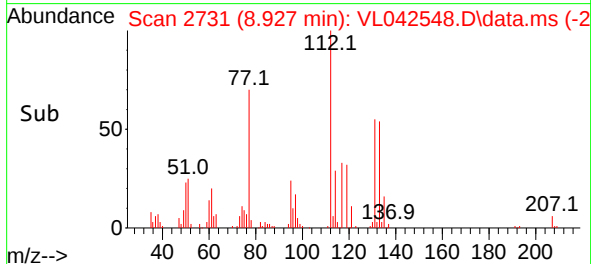
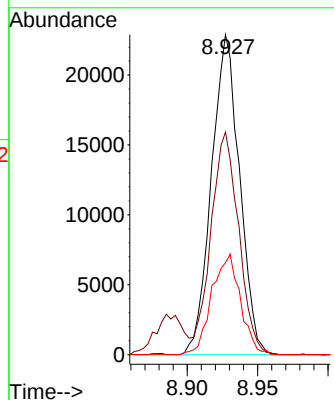
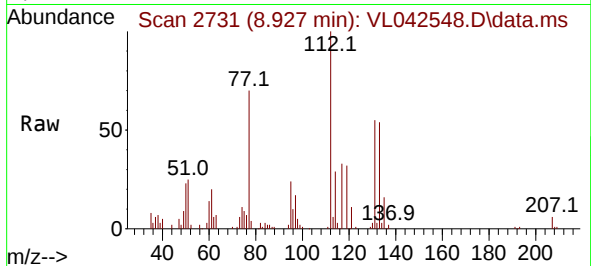




#57
Chlorobenzene
Concen: 0.997 ppbv
RT: 8.927 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

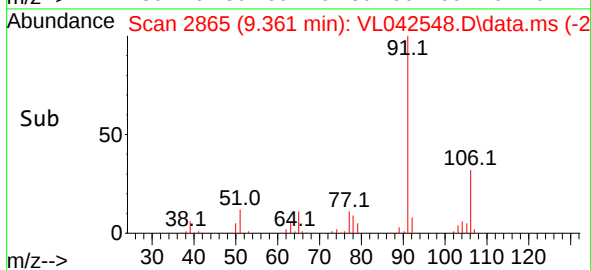
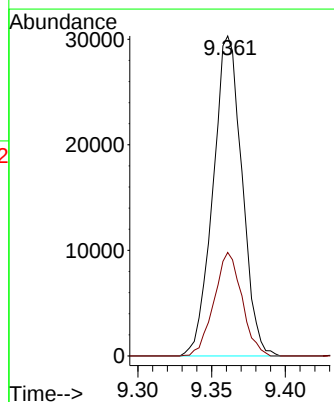
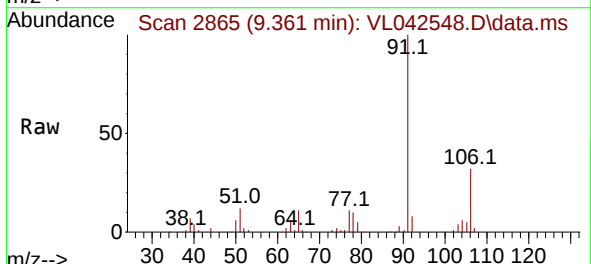
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

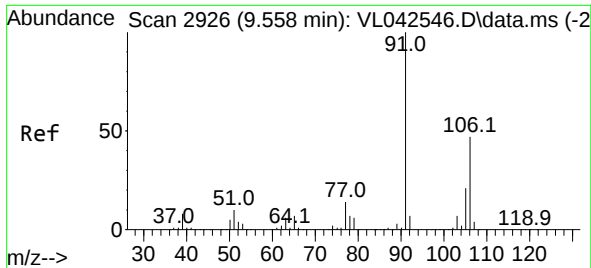
Tgt Ion: 112 Resp: 31814
Ion Ratio Lower Upper
112 100
77 69.6 53.2 79.8
114 28.7 28.4 34.8



#58
Ethyl Benzene
Concen: 0.882 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.000 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

Tgt Ion: 91 Resp: 41399
Ion Ratio Lower Upper
91 100
106 32.4 24.6 37.0

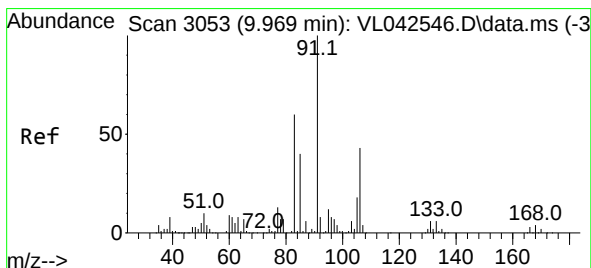
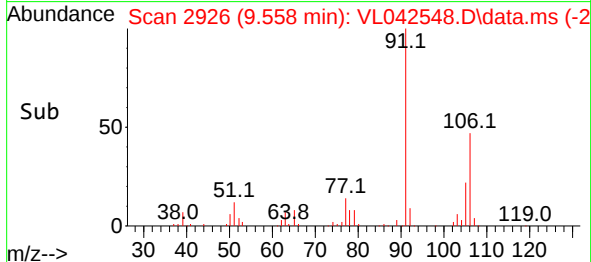
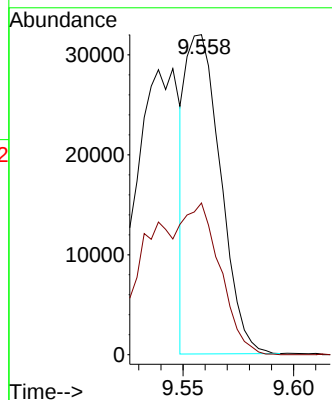
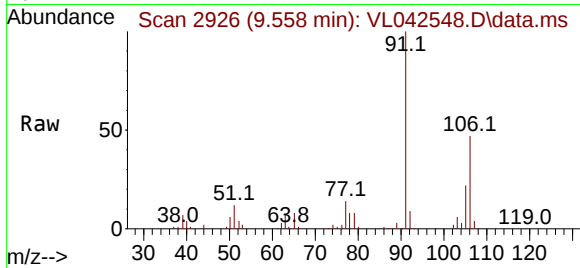




#59
 m/p-Xylene
 Concen: 0.874 ppbv
 RT: 9.558 min Scan# 2926
 Delta R.T. 0.000 min
 Lab File: VL042548.D
 Acq: 20 May 2025 10:18

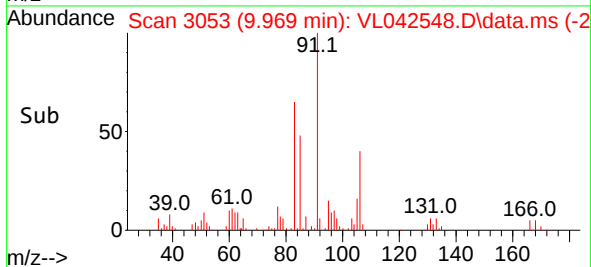
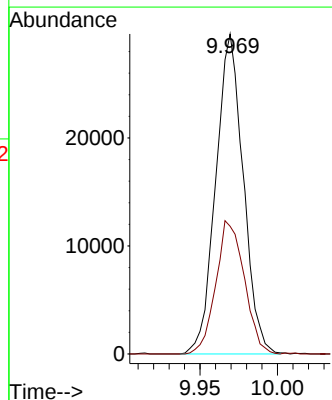
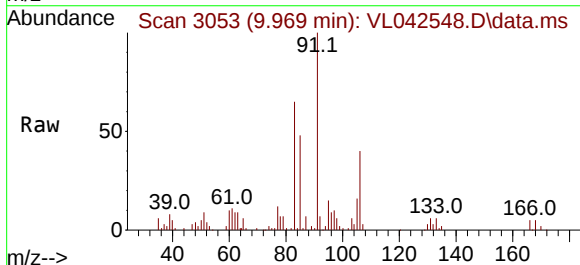
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

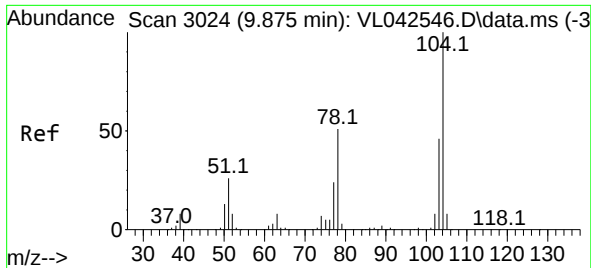
Tgt Ion: 91 Resp: 34990
 Ion Ratio Lower Upper
 91 100
 106 99.6 37.1 55.7#



#60
 o-Xylene
 Concen: 0.922 ppbv
 RT: 9.969 min Scan# 3053
 Delta R.T. 0.000 min
 Lab File: VL042548.D
 Acq: 20 May 2025 10:18

Tgt Ion: 91 Resp: 36525
 Ion Ratio Lower Upper
 91 100
 106 43.2 21.6 64.8

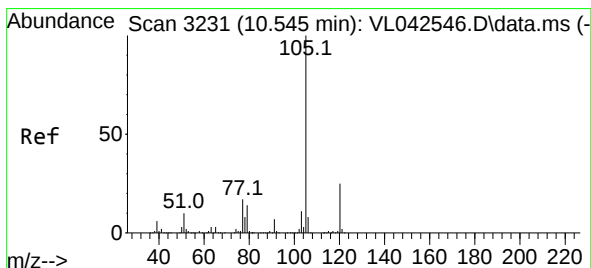
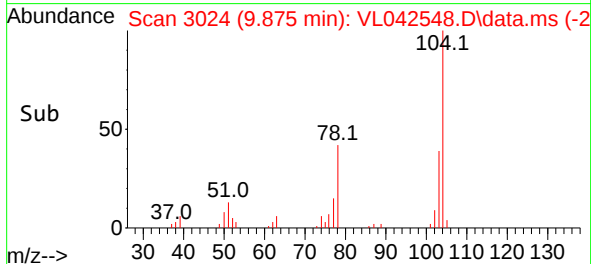
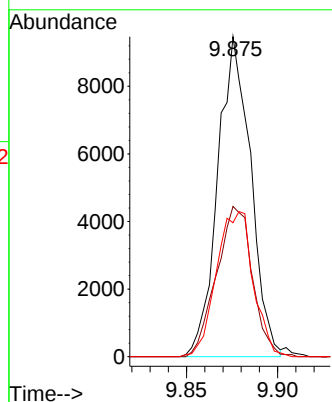
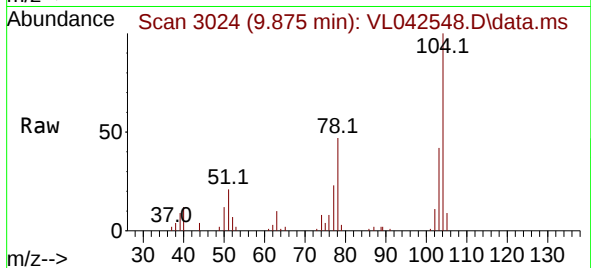




#61
Styrene
Concen: 0.783 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. 0.000 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

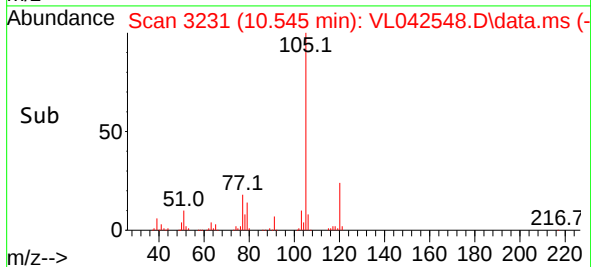
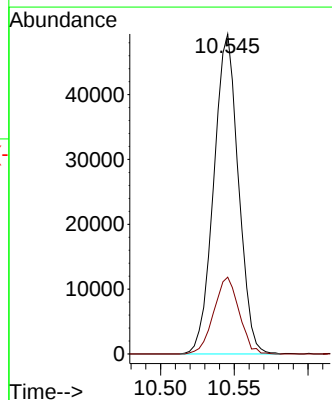
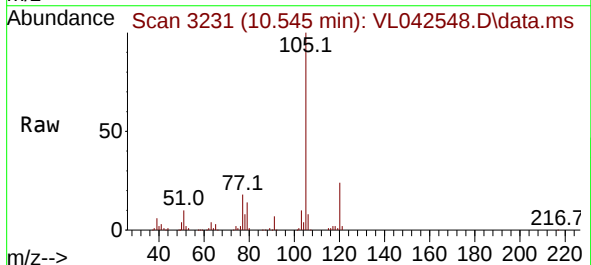
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

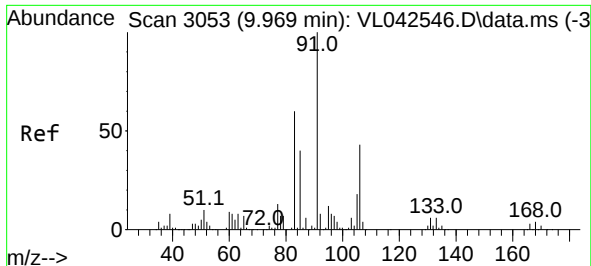
Tgt Ion:104 Resp: 11899
Ion Ratio Lower Upper
104 100
78 51.0 39.2 58.8
103 50.7 37.1 55.7



#62
Isopropylbenzene
Concen: 0.944 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.000 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

Tgt Ion:105 Resp: 57318
Ion Ratio Lower Upper
105 100
120 24.7 20.0 30.0





#63

1,1,2,2-Tetrachloroethane

Concen: 1.013 ppbv

RT: 9.966 min Scan# 3053

Delta R.T. -0.003 min

Lab File: VL042548.D

Acq: 20 May 2025 10:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

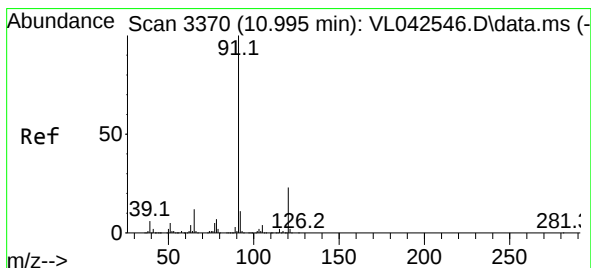
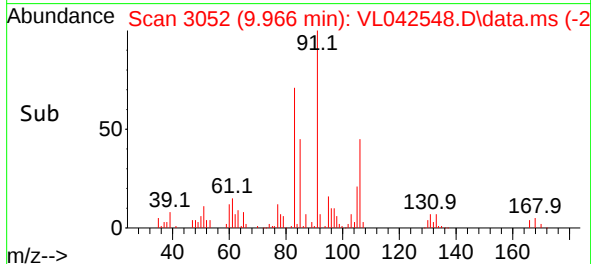
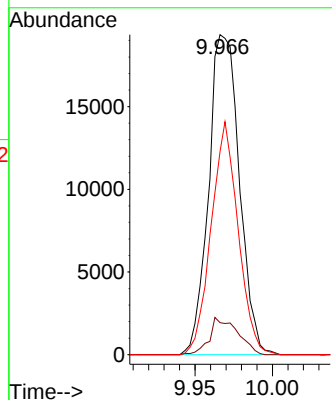
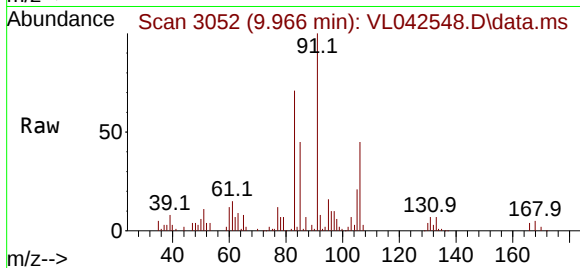
Tgt Ion: 83 Resp: 26731

Ion Ratio Lower Upper

83 100

131 10.7 5.1 15.3

85 63.9 32.5 97.4



#64

n-propylbenzene

Concen: 0.923 ppbv

RT: 10.995 min Scan# 3370

Delta R.T. 0.000 min

Lab File: VL042548.D

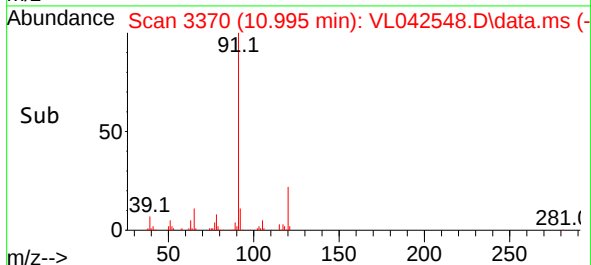
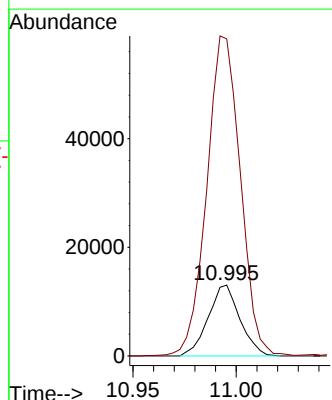
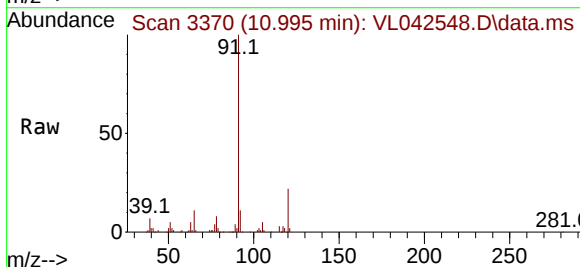
Acq: 20 May 2025 10:18

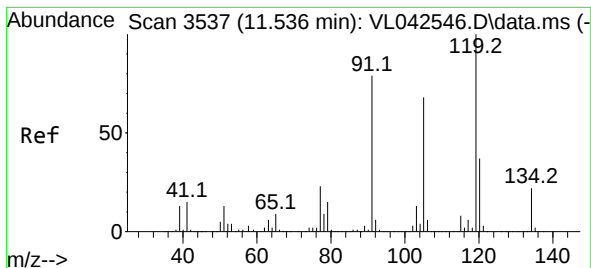
Tgt Ion: 120 Resp: 13960

Ion Ratio Lower Upper

120 100

91 479.2 367.0 550.4

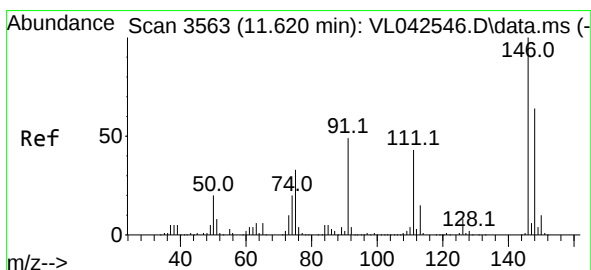
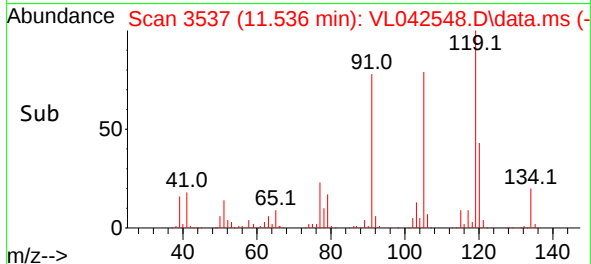
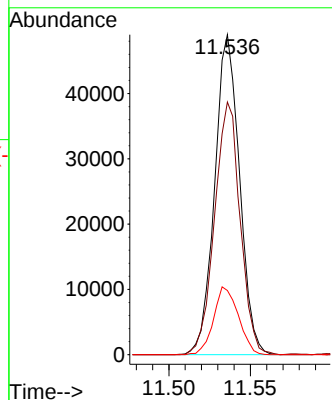
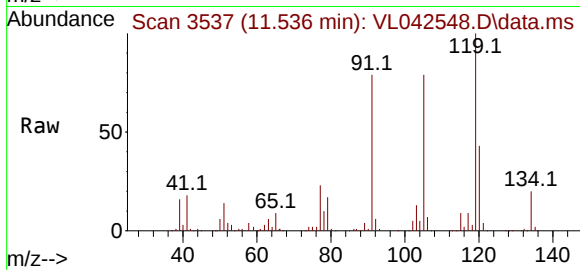




#65
tert-Butylbenzene
Concen: 0.950 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

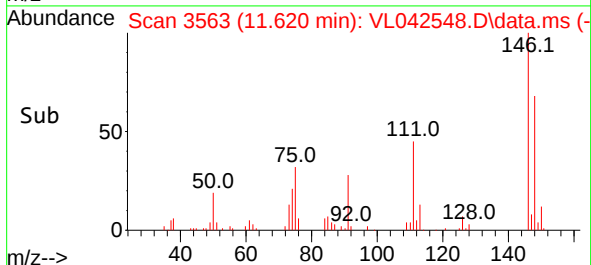
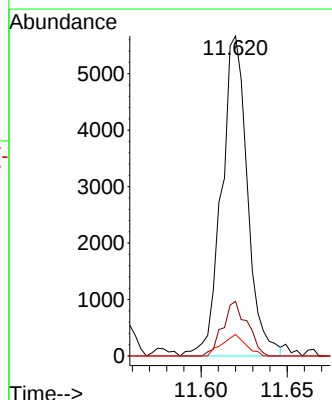
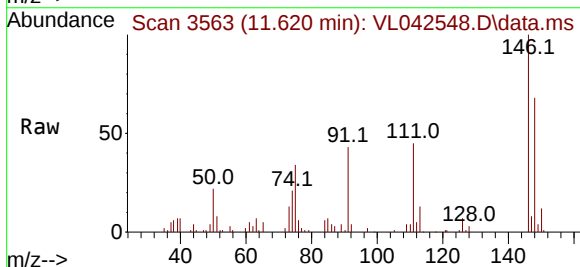
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

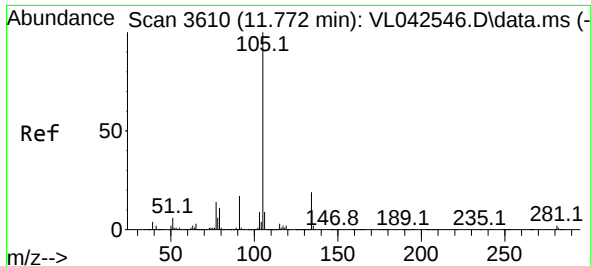
Tgt Ion:119 Resp: 51897
Ion Ratio Lower Upper
119 100
91 81.3 62.7 94.1
134 21.1 16.8 25.2



#66
Benzyl Chloride
Concen: 0.868 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.000 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

Tgt Ion: 91 Resp: 5931
Ion Ratio Lower Upper
91 100
126 16.2 14.2 21.2
128 6.1 4.6 6.8

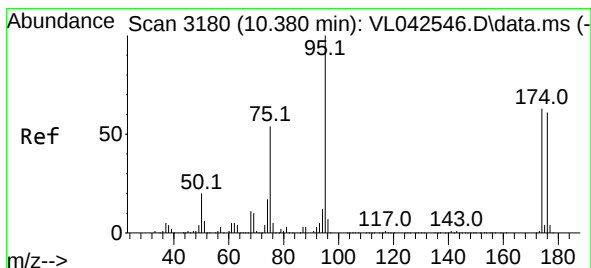
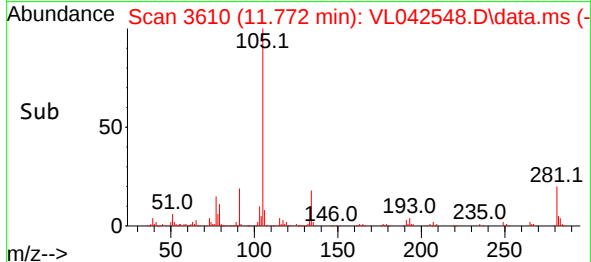
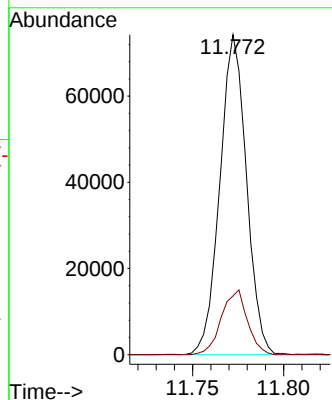
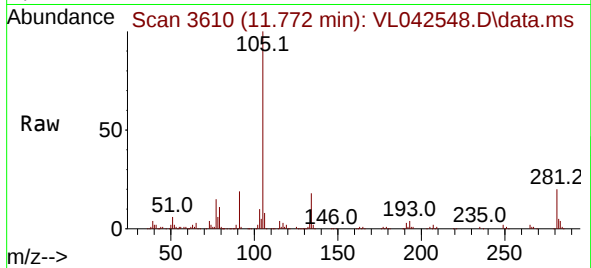




#67
 sec-Butylbenzene
 Concen: 0.978 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. 0.000 min
 Lab File: VL042548.D
 Acq: 20 May 2025 10:18

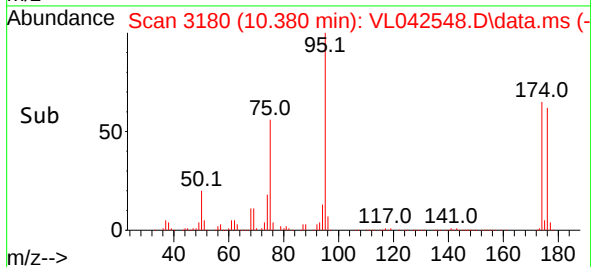
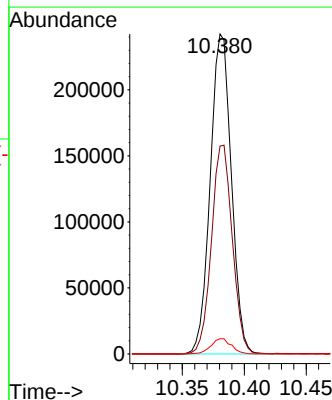
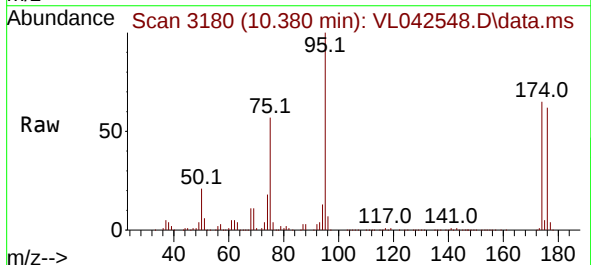
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

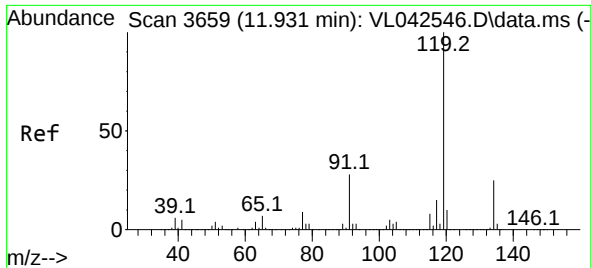
Tgt Ion:105 Resp: 75362
 Ion Ratio Lower Upper
 105 100
 134 19.7 15.4 23.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.032 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. 0.000 min
 Lab File: VL042548.D
 Acq: 20 May 2025 10:18

Tgt Ion: 95 Resp: 287740
 Ion Ratio Lower Upper
 95 100
 174 64.6 52.0 78.0
 175 4.6 3.8 5.6

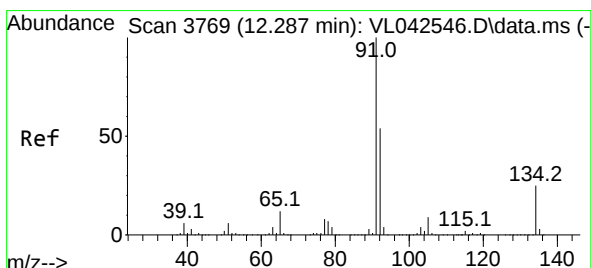
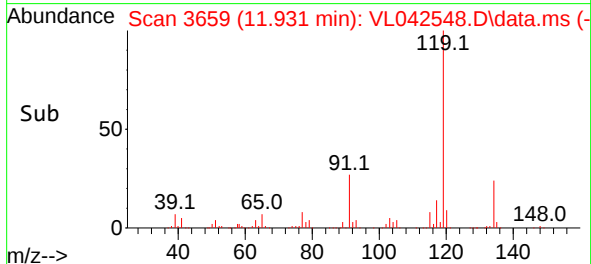
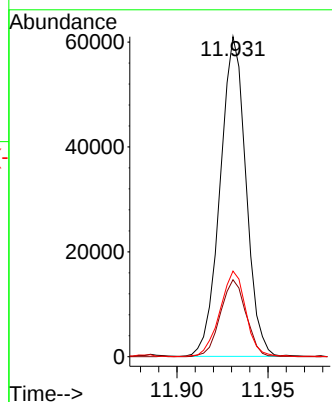
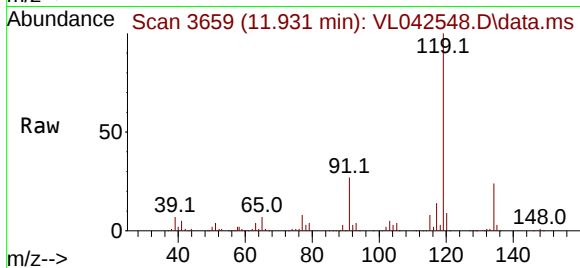




#69
 p-Isopropyltoluene
 Concen: 0.941 ppbv
 RT: 11.931 min Scan# 3659
 Delta R.T. 0.000 min
 Lab File: VL042548.D
 Acq: 20 May 2025 10:18

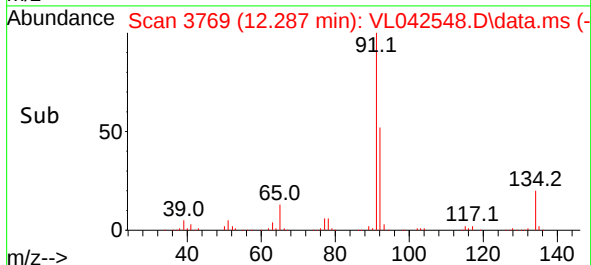
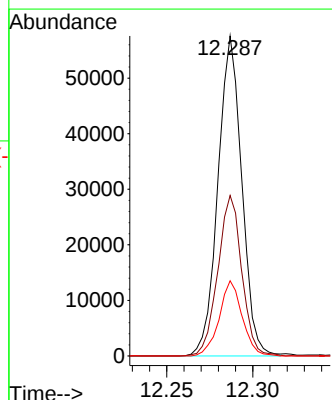
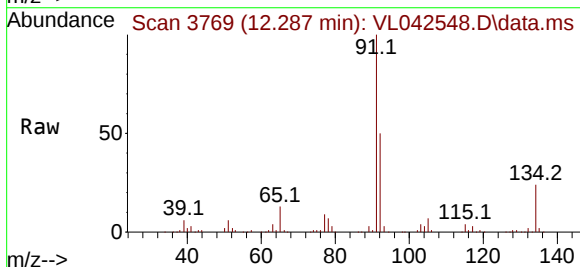
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

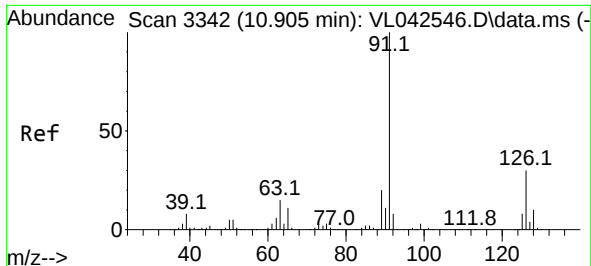
Tgt Ion:	119	Resp:	59939
Ion Ratio	Lower	Upper	
119	100		
134	24.0	20.1	30.1
91	27.1	22.3	33.5



#70
 n-Butylbenzene
 Concen: 0.923 ppbv
 RT: 12.287 min Scan# 3769
 Delta R.T. 0.000 min
 Lab File: VL042548.D
 Acq: 20 May 2025 10:18

Tgt Ion:	91	Resp:	55515
Ion Ratio	Lower	Upper	
91	100		
92	50.3	43.8	65.6
134	22.7	19.7	29.5

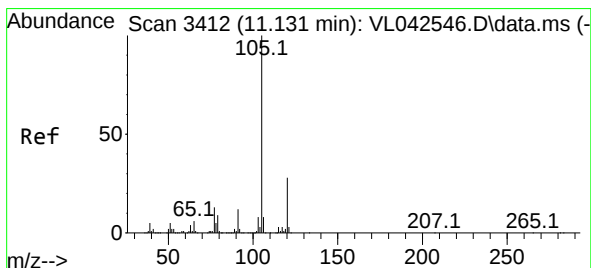
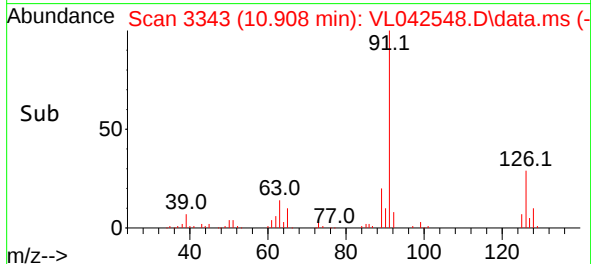
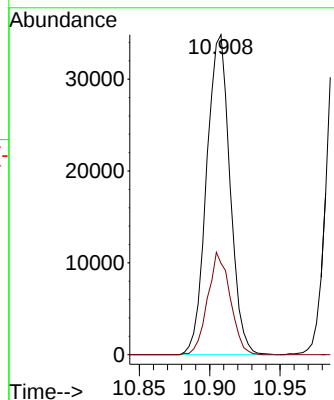
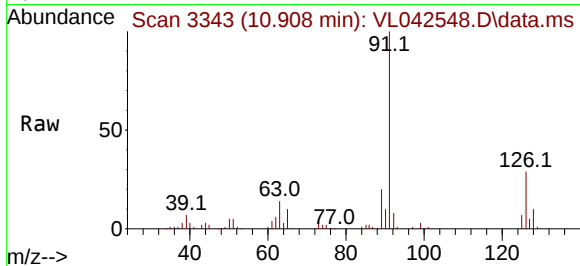




#71
2-Chlorotoluene
Concen: 0.920 ppbv
RT: 10.908 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

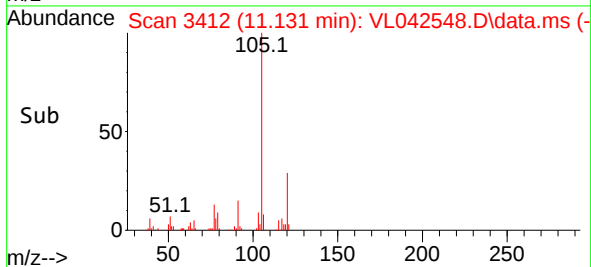
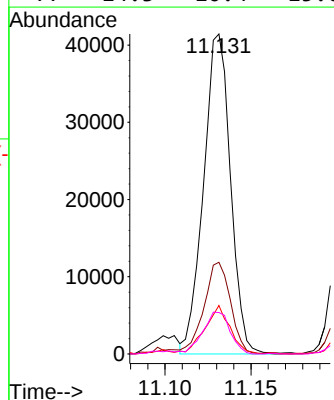
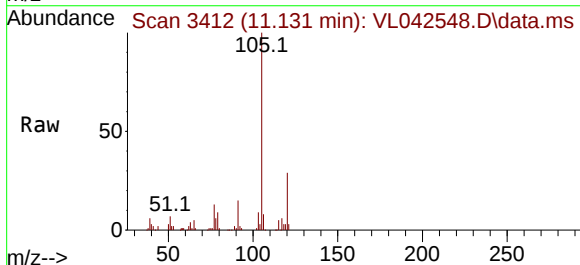
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

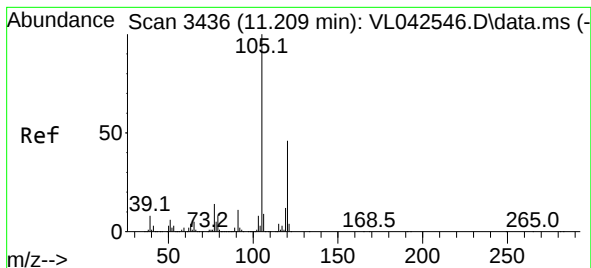
Tgt Ion: 91 Resp: 40222
Ion Ratio Lower Upper
91 100
126 30.8 12.4 49.4



#72
4-Ethyltoluene
Concen: 0.921 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.000 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

Tgt Ion: 105 Resp: 45141
Ion Ratio Lower Upper
105 100
120 29.8 23.4 35.0
91 15.7 10.2 15.4#
77 14.3 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 0.935 ppbv

RT: 11.209 min Scan# 3436

Delta R.T. 0.000 min

Lab File: VL042548.D

Acq: 20 May 2025 10:18

Instrument :

MSVOA_L

ClientSampleId :

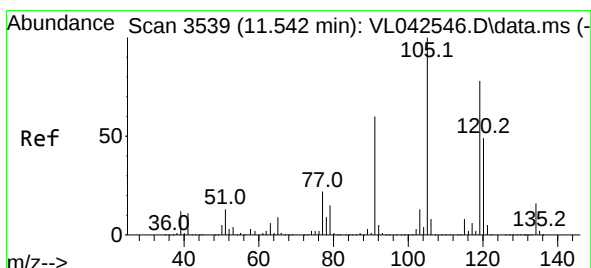
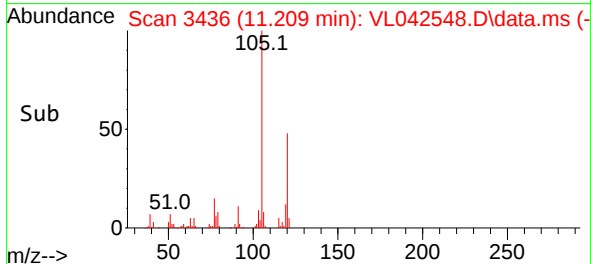
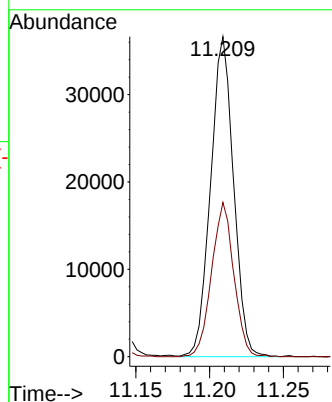
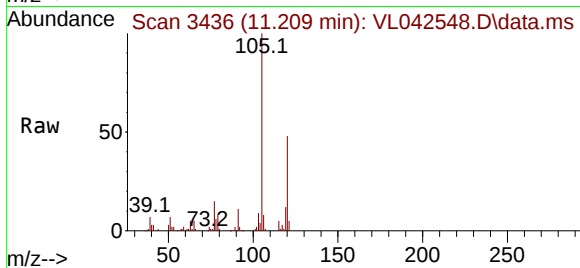
VSTDIC001

Tgt Ion:105 Resp: 39627

Ion Ratio Lower Upper

105 100

120 48.2 36.5 54.7



#74

1,2,4-Trimethylbenzene

Concen: 1.012 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.000 min

Lab File: VL042548.D

Acq: 20 May 2025 10:18

Tgt Ion:105 Resp: 51744

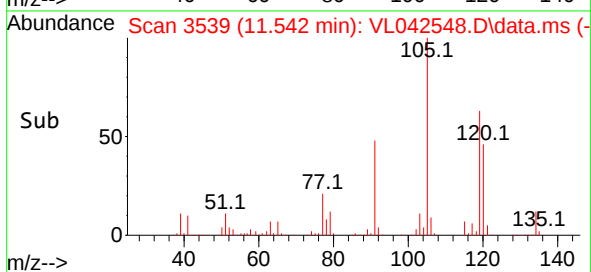
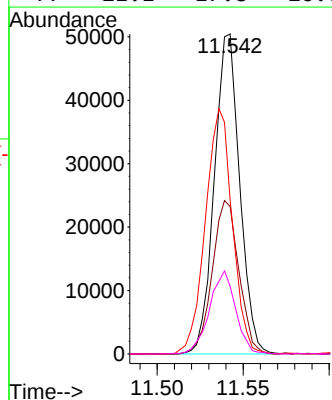
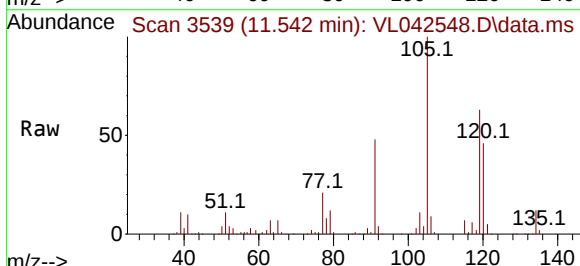
Ion Ratio Lower Upper

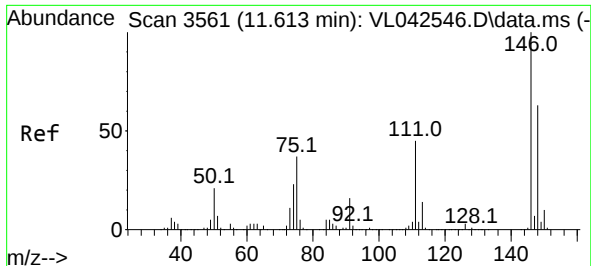
105 100

120 46.1 39.4 59.0

91 47.9 47.8 71.8

77 21.1 17.8 26.6





#75

1,3-Dichlorobenzene

Concen: 1.013 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. -0.003 min

Lab File: VL042548.D

Acq: 20 May 2025 10:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

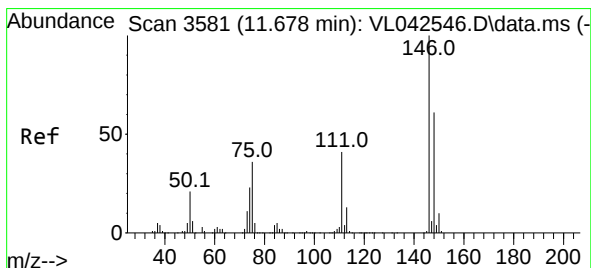
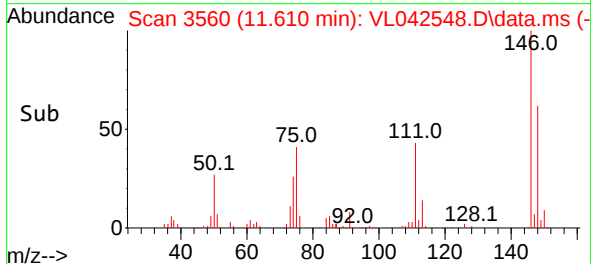
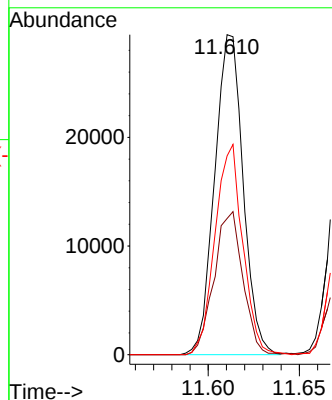
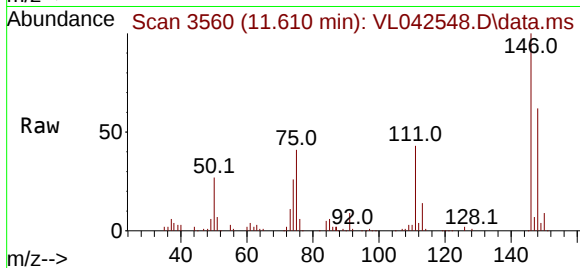
Tgt Ion:146 Resp: 31973

Ion Ratio Lower Upper

146 100

111 45.3 22.8 68.4

148 64.0 31.6 94.8



#76

1,4-Dichlorobenzene

Concen: 0.968 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. 0.000 min

Lab File: VL042548.D

Acq: 20 May 2025 10:18

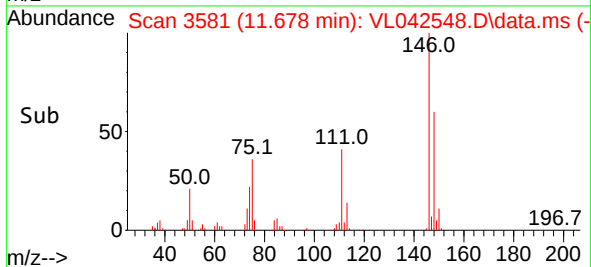
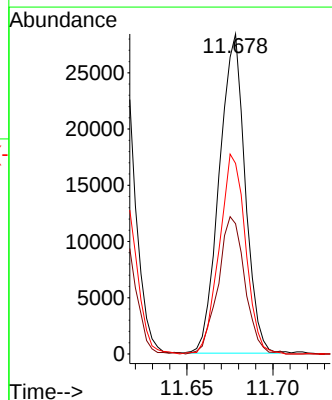
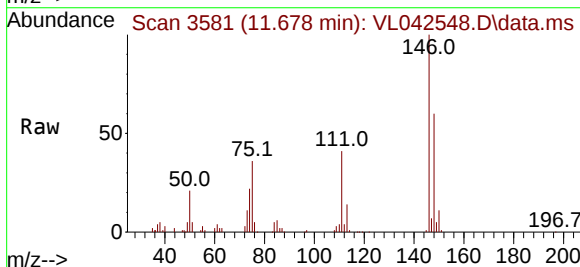
Tgt Ion:146 Resp: 29654

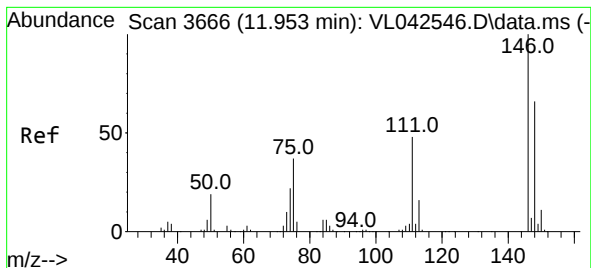
Ion Ratio Lower Upper

146 100

111 44.5 21.8 65.3

148 63.7 31.4 94.3





#77

1,2-Dichlorobenzene

Concen: 1.012 ppbv

RT: 11.950 min Scan# 3666

Delta R.T. -0.003 min

Lab File: VL042548.D

Acq: 20 May 2025 10:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

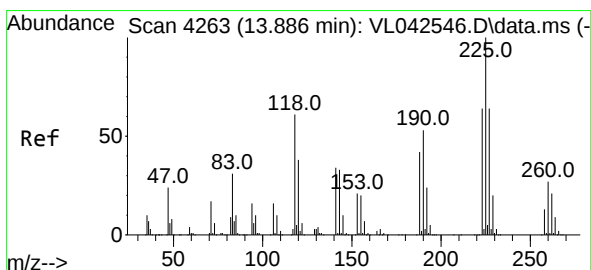
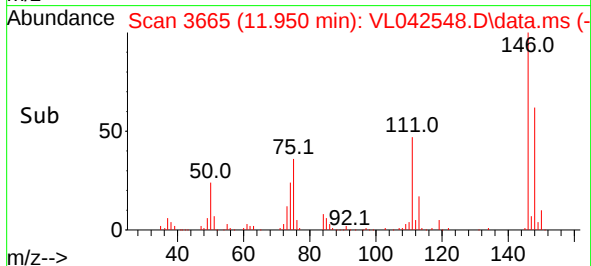
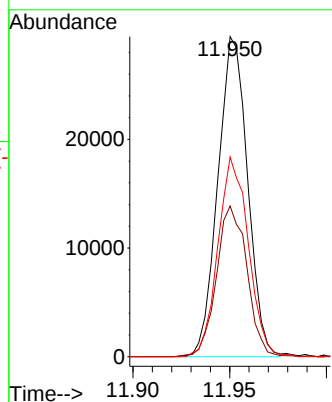
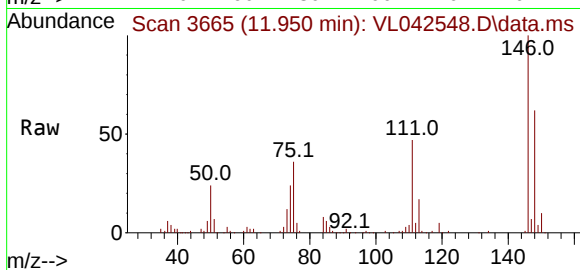
Tgt Ion:146 Resp: 31444

Ion Ratio Lower Upper

146 100

111 48.3 23.7 71.1

148 63.7 32.3 96.9



#78

Hexachloro-1,3-Butadiene

Concen: 1.038 ppbv

RT: 13.886 min Scan# 4263

Delta R.T. 0.000 min

Lab File: VL042548.D

Acq: 20 May 2025 10:18

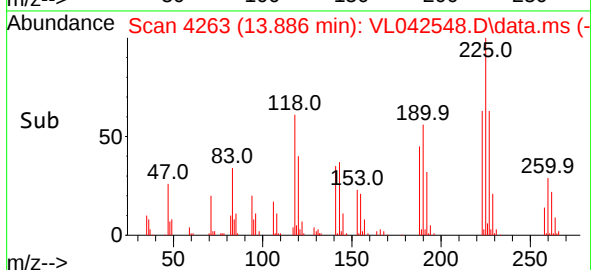
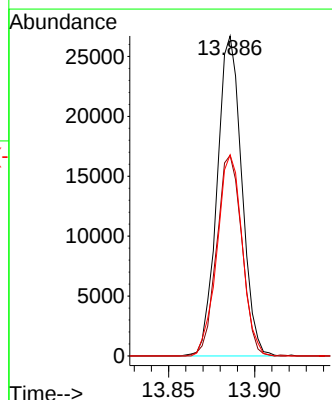
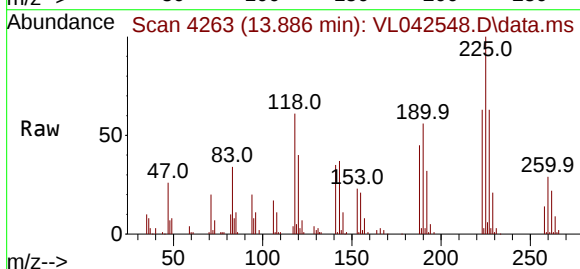
Tgt Ion:225 Resp: 26642

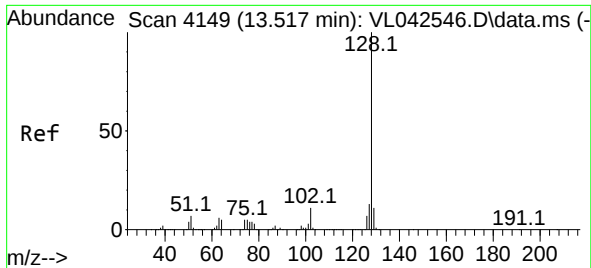
Ion Ratio Lower Upper

225 100

223 63.9 51.0 76.6

227 64.1 50.2 75.4

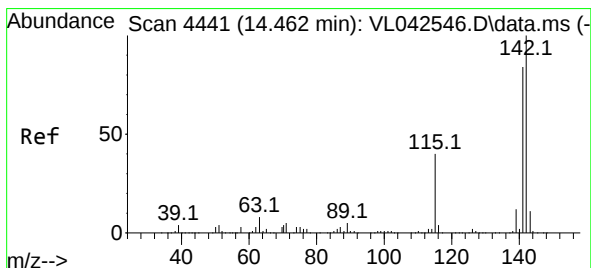
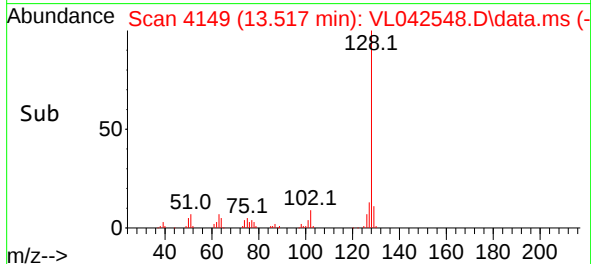
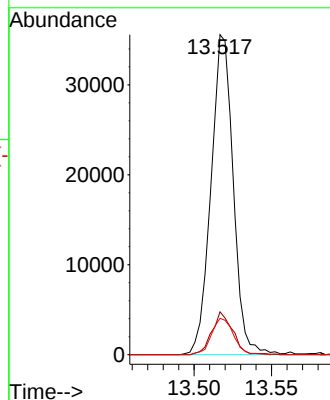
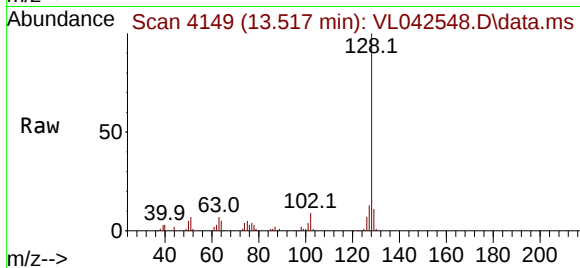




#79
Naphthalene
Concen: 0.929 ppbv
RT: 13.517 min Scan# 4149
Delta R.T. 0.000 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

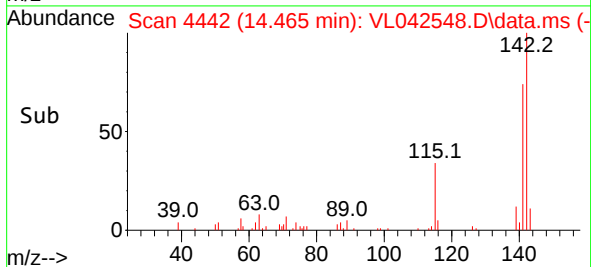
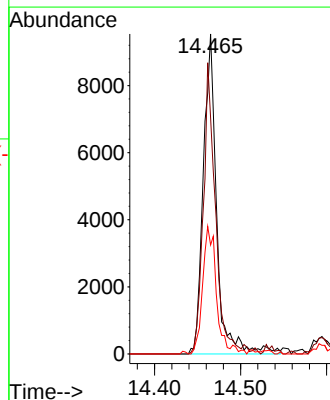
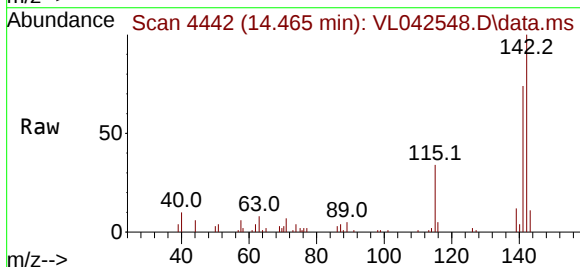
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

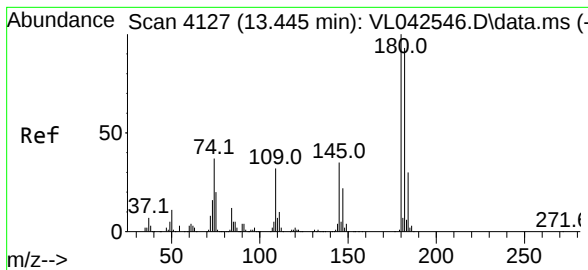
Tgt Ion:	128	Resp:	35563
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.5	15.7
129	11.3	9.0	13.4



#80
Naphthalene, 2-methyl-
Concen: 0.523 ppbv
RT: 14.465 min Scan# 4442
Delta R.T. 0.003 min
Lab File: VL042548.D
Acq: 20 May 2025 10:18

Tgt Ion:	142	Resp:	10324
Ion Ratio	Lower	Upper	
142	100		
141	83.4	67.4	101.0
115	41.3	31.5	47.3





#81
 1,2,4-Trichlorobenzene
 Concen: 0.900 ppbv
 RT: 13.445 min Scan# 4127
 Delta R.T. 0.000 min
 Lab File: VL042548.D
 Acq: 20 May 2025 10:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion:180 Resp: 20710
 Ion Ratio Lower Upper
 180 100
 182 95.9 75.6 113.4
 184 31.8 23.7 35.5

