

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043205.D
 Acq On : 18 Nov 2025 10:37
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Nov 19 00:50:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 00:48:15 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	104644	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	284629	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	230646	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	171009	10.115	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	30881	2.092	ppbv	98
3) Chlorodifluoromethane	1.476	51	30069	2.072	ppbv	98
4) Chloromethane	1.534	50	11890	2.155	ppbv	96
5) Vinyl Chloride	1.580	62	12040	1.995	ppbv	96
6) Bromomethane	1.670	94	5981	2.044	ppbv	99
7) Chloroethane	1.706	64	4943	2.103	ppbv	95
8) Dichlorotetrafluoroethane	1.554	85	26409	2.151	ppbv	98
9) Propene	1.486	41	12993	1.930	ppbv #	1
10) Heptane	4.978	43	17701	0.958	ppbv #	28
11) Trichlorofluoromethane	1.878	101	31124	2.177	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.140	101	23336	2.090	ppbv	100
13) Ethanol	1.722	45	5266	2.430	ppbv	86
14) Bromoethene	1.784	108	9129	2.133	ppbv	95
15) Acetone	1.835	43	31785	2.186	ppbv	91
16) 1,3-Butadiene	1.609	39	13101	2.021	ppbv	89
17) tert-Butyl alcohol	2.039	59	39348	2.062	ppbv	95
18) 1,1-Dichloroethene	2.036	96	10780	2.074	ppbv	94
19) Isopropyl Alcohol	1.887	45	17229	2.097	ppbv #	71
20) Methylene Chloride	2.062	84	12238	2.248	ppbv	96
21) Allyl Chloride	2.098	41	19580	2.002	ppbv	95
22) trans-1,2-Dichloroethene	2.340	96	12537	2.110	ppbv	94
23) Vinyl Acetate	2.460	43	35205	2.006	ppbv #	97
24) 1,1-Dichloroethane	2.408	63	24987	2.179	ppbv	99
25) Ethyl Acetate	2.832	43	64343	2.048	ppbv	99
26) Hexane	2.826	57	28776	2.093	ppbv	97
27) Carbon Disulfide	2.149	76	29964	2.135	ppbv #	91
28) Methyl tert-Butyl Ether	2.438	73	14101	2.090	ppbv #	85
29) Chloroform	2.849	83	40355	2.065	ppbv	98
30) Cyclohexane	3.855	84	23659	2.053	ppbv	98
31) cis-1,2-Dichloroethene	2.722	61	27663	2.024	ppbv	98
32) 1,1,1-Trichloroethane	3.366	97	42547	2.024	ppbv	99
34) 2-Butanone	2.557	43	41884	2.085	ppbv	99
35) Carbon Tetrachloride	3.765	117	41949	1.942	ppbv	96
36) Benzene	3.654	78	36362	1.334	ppbv #	94
37) 1,2-Dichloroethane	3.218	62	32188	2.019	ppbv	100
38) Trichloroethene	4.541	130	10841	1.015	ppbv	89
39) 1,2-Dichloropropane	4.312	63	19913	1.996	ppbv	93
40) 1,4-Dioxane	4.580	88	3232	0.721	ppbv #	18
41) Tetrahydrofuran	3.056	42	22912	2.065	ppbv	99
42) Bromodichloromethane	4.490	83	44584	2.027	ppbv	98
43) Methyl Methacrylate	4.875	69	29071	2.009	ppbv	99
44) 2,2,4-Trimethylpentane	4.635	57	92261	1.971	ppbv	96
45) t-1,3-Dichloropropene	6.406	75	14338	1.063	ppbv	95

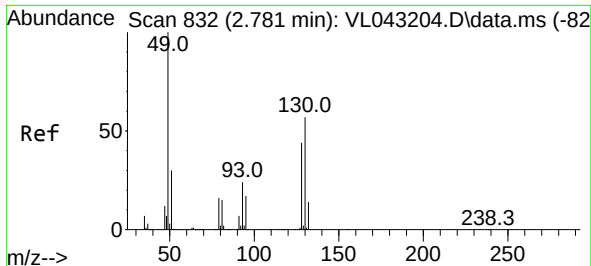
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043205.D
 Acq On : 18 Nov 2025 10:37
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Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Nov 19 00:50:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 00:48:15 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	31986	2.020	ppbv	91
47) 1,1,2-Trichloroethane	6.577	97	12775	1.201	ppbv	96
48) Dibromochloromethane	7.386	129	16152	0.887	ppbv #	10
49) Bromoform	9.480	173	33057	2.050	ppbv	98
50) 4-Methyl-2-Pentanone	5.745	43	58461	2.066	ppbv	98
51) 2-Hexanone	7.432	43	46444	2.113	ppbv #	99
52) Tetrachloroethene	8.218	164	19856	1.958	ppbv	96
53) Toluene	6.927	91	65238	2.008	ppbv	97
54) 1,2-Dibromoethane	7.648	107	31266	2.007	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.920	131	35099	2.071	ppbv	99
57) Chlorobenzene	8.917	112	50228	2.121	ppbv	97
58) Ethyl Benzene	9.351	91	92649	2.087	ppbv	98
59) m/p-Xylene	9.545	91	65660	1.838	ppbv #	31
60) o-Xylene	9.959	91	76540	2.153	ppbv	100
61) Styrene	9.866	104	33188	2.133	ppbv	98
62) Isopropylbenzene	10.536	105	135853	2.136	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.963	83	47439	2.102	ppbv	99
64) n-propylbenzene	10.985	120	34915	2.136	ppbv	99
65) tert-Butylbenzene	11.529	119	122064	2.149	ppbv	99
66) Benzyl Chloride	11.610	91	11870	2.059	ppbv	99
67) sec-Butylbenzene	11.765	105	170529	2.151	ppbv	100
69) p-Isopropyltoluene	11.921	119	147482	2.195	ppbv	98
70) n-Butylbenzene	12.280	91	144148	2.212	ppbv	99
71) 2-Chlorotoluene	10.898	91	101951	2.085	ppbv	100
72) 4-Ethyltoluene	11.121	105	92654	2.140	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	76655	2.110	ppbv	96
74) 1,2,4-Trimethylbenzene	11.532	105	86286	2.176	ppbv	98
75) 1,3-Dichlorobenzene	11.604	146	48961	2.116	ppbv	98
76) 1,4-Dichlorobenzene	11.668	146	48881	2.112	ppbv	98
77) 1,2-Dichlorobenzene	11.944	146	48431	2.177	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	42456	2.287	ppbv	99
79) Naphthalene	13.510	128	85788	2.436	ppbv	97
80) Naphthalene,2-methyl-	14.458	142	20685	2.237	ppbv	98
81) 1,2,4-Trichlorobenzene	13.439	180	37521	2.382	ppbv	99

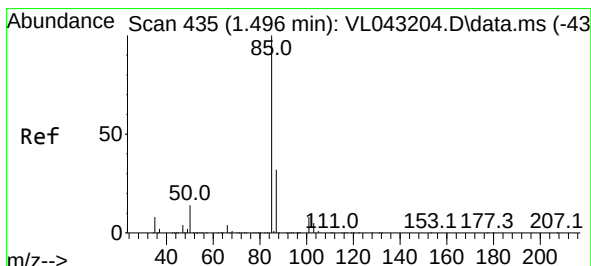
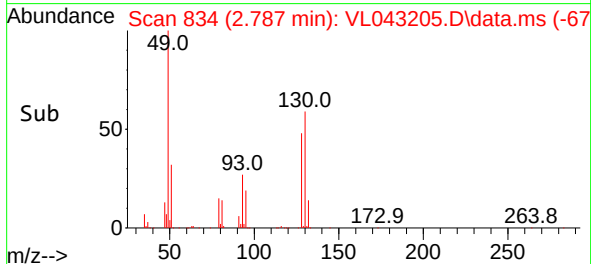
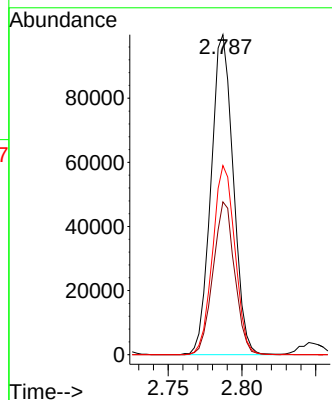
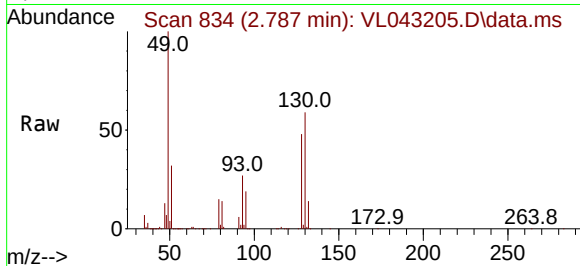
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 832
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

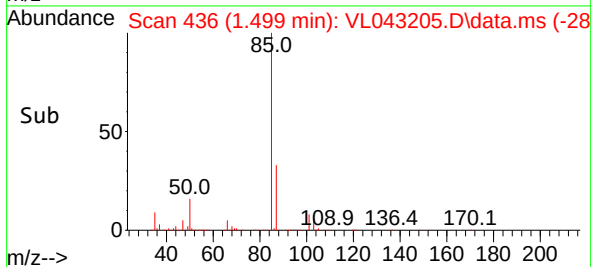
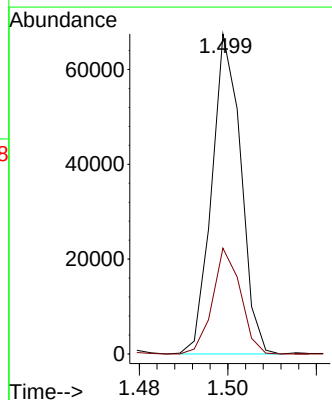
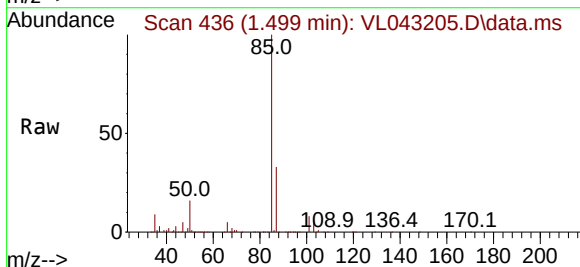
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

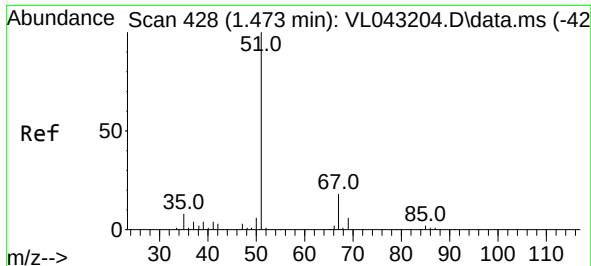
Tgt Ion: 49 Resp: 104644
Ion Ratio Lower Upper
49 100
128 46.4 23.0 69.0
130 59.1 29.9 89.7



#2
Dichlorodifluoromethane
Concen: 2.092 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 85 Resp: 30881
Ion Ratio Lower Upper
85 100
87 33.1 25.4 38.2

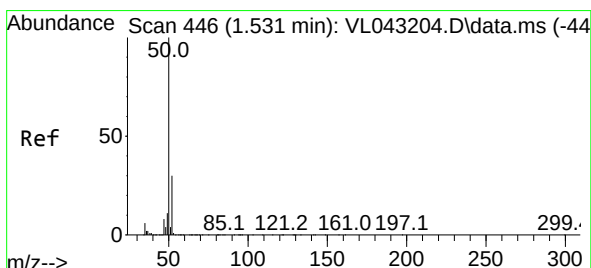
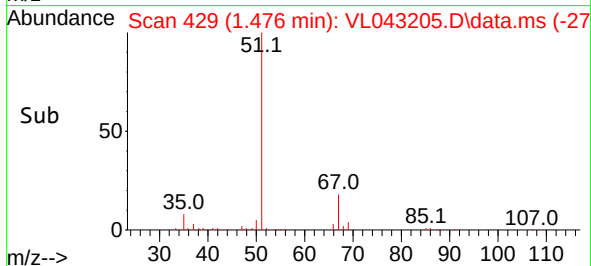
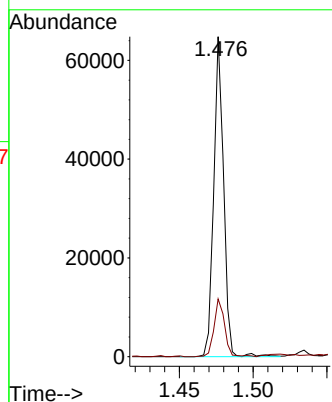
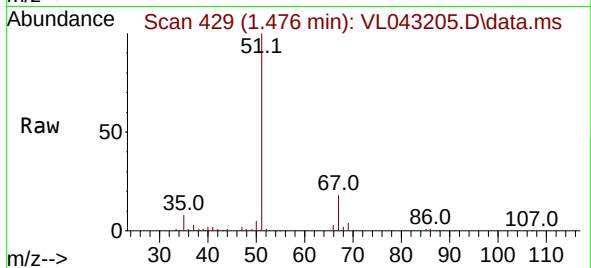




#3
Chlorodifluoromethane
Concen: 2.072 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

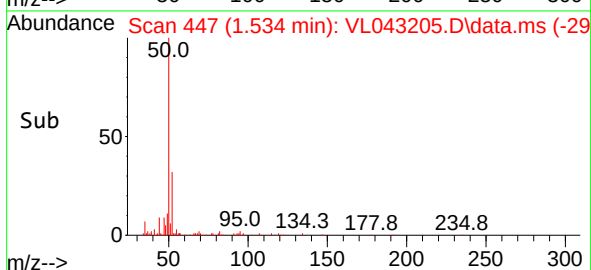
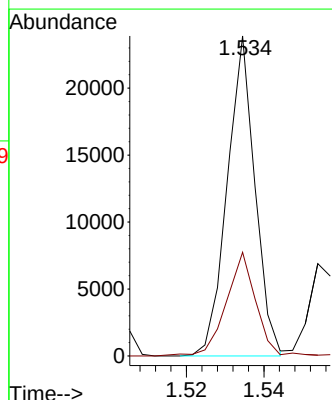
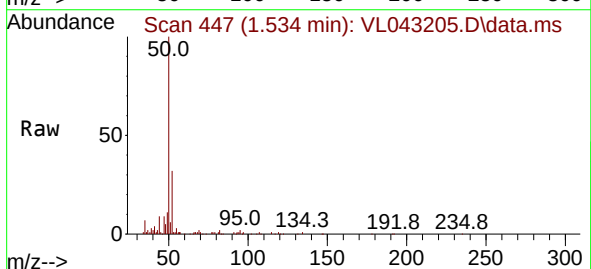
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ClientSampleId :
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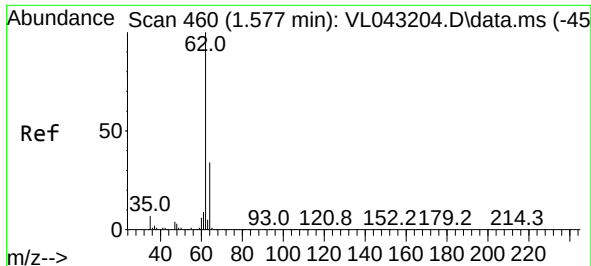
Tgt Ion: 51 Resp: 30069
Ion Ratio Lower Upper
51 100
67 19.4 14.9 22.3



#4
Chloromethane
Concen: 2.155 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 50 Resp: 11890
Ion Ratio Lower Upper
50 100
52 32.0 24.1 36.1

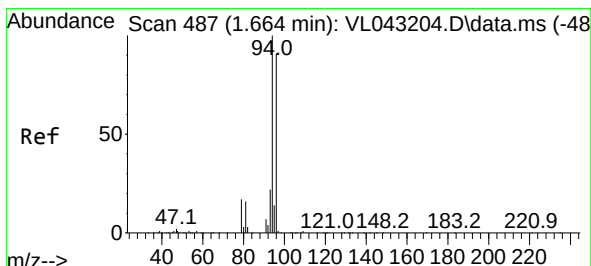
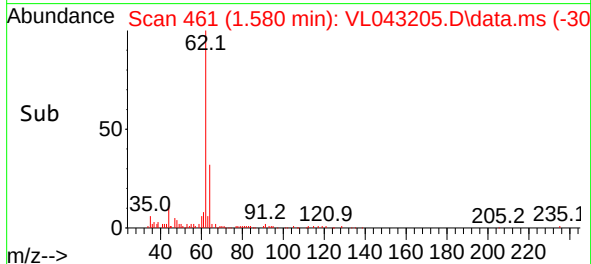
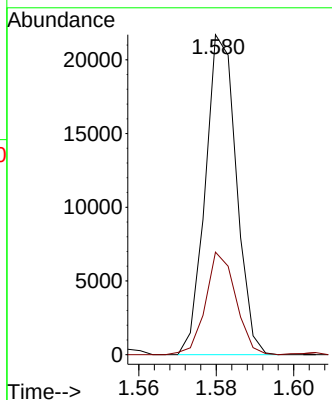
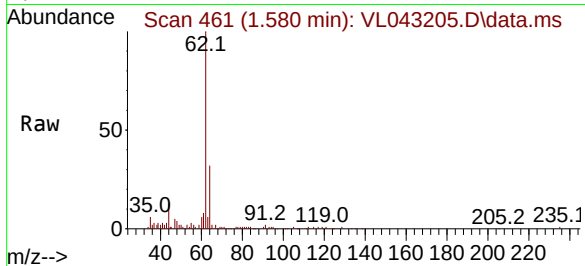




#5
 Vinyl Chloride
 Concen: 1.995 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL043205.D
 Acq: 18 Nov 2025 10:37

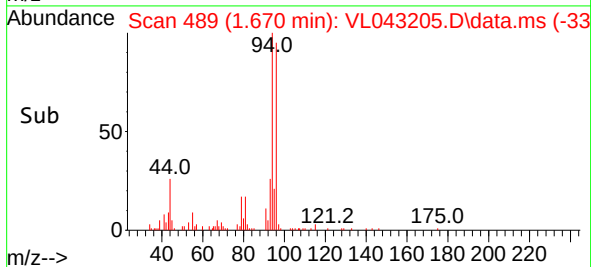
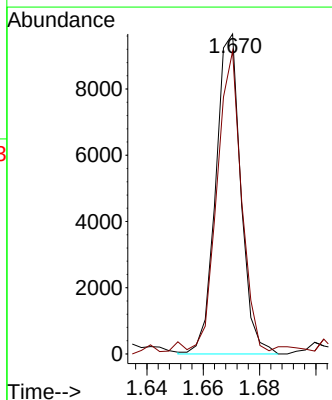
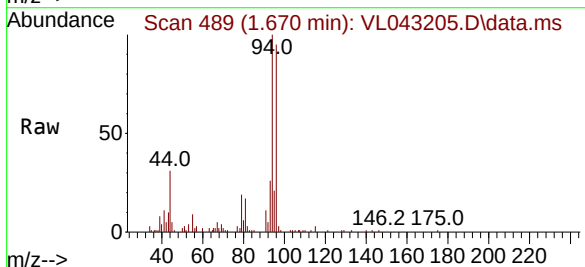
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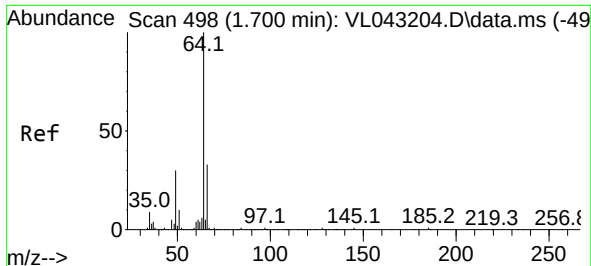
Tgt Ion: 62 Resp: 12040
 Ion Ratio Lower Upper
 62 100
 64 32.1 27.3 40.9



#6
 Bromomethane
 Concen: 2.044 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.006 min
 Lab File: VL043205.D
 Acq: 18 Nov 2025 10:37

Tgt Ion: 94 Resp: 5981
 Ion Ratio Lower Upper
 94 100
 96 92.4 72.9 109.3

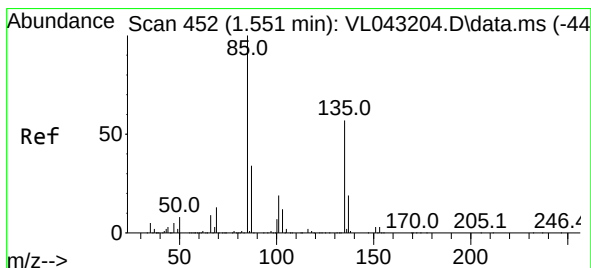
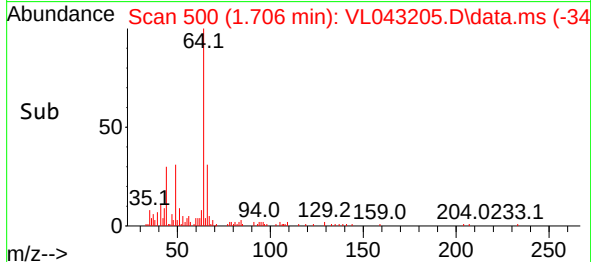
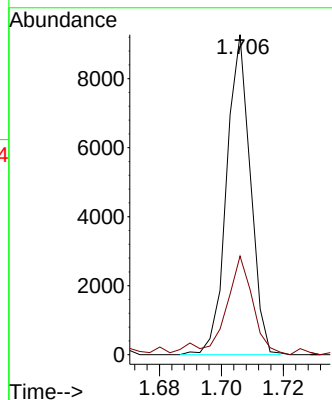
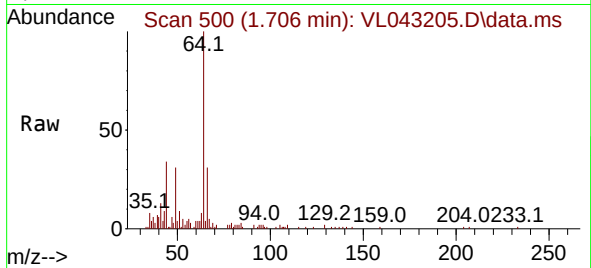




#7
Chloroethane
Concen: 2.103 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

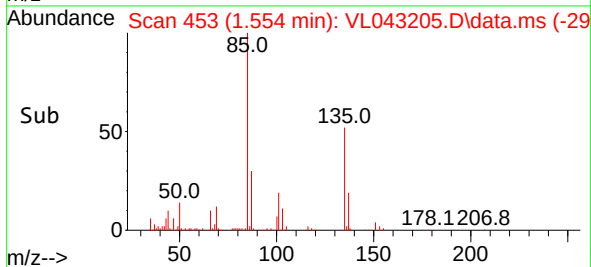
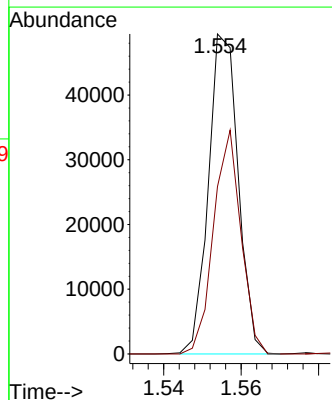
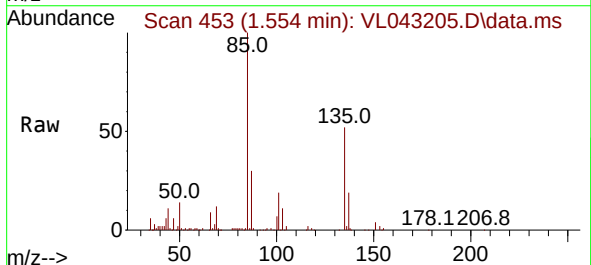
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

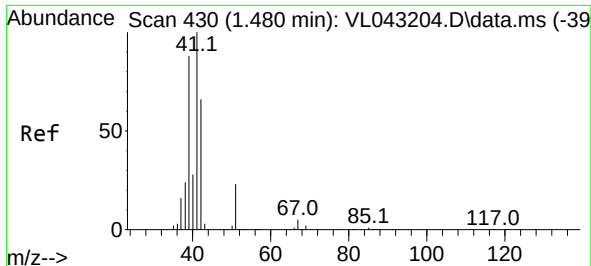
Tgt Ion: 64 Resp: 4943
Ion Ratio Lower Upper
64 100
66 30.8 26.8 40.2



#8
Dichlorotetrafluoroethane
Concen: 2.151 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 85 Resp: 26409
Ion Ratio Lower Upper
85 100
135 64.3 52.6 79.0





#9

Propene

Concen: 1.930 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL043205.D

Acq: 18 Nov 2025 10:37

Instrument :

MSVOA_L

ClientSampleId :

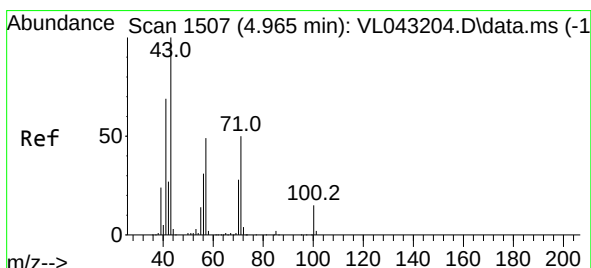
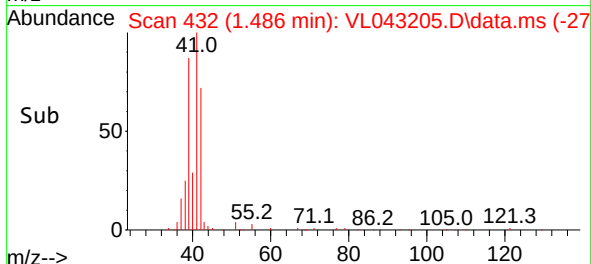
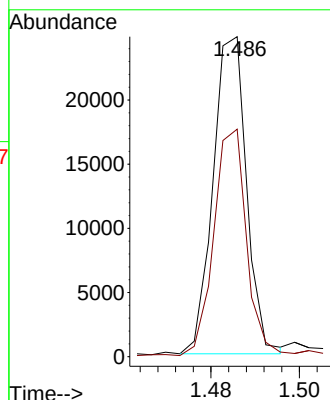
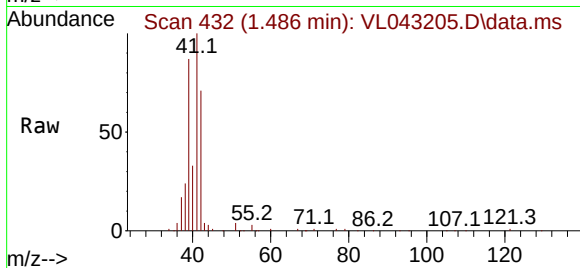
VSTDICC002

Tgt Ion: 41 Resp: 12993

Ion Ratio Lower Upper

41 100

42 75.1 3.7 5.5#



#10

Heptane

Concen: 0.958 ppbv

RT: 4.978 min Scan# 1511

Delta R.T. 0.013 min

Lab File: VL043205.D

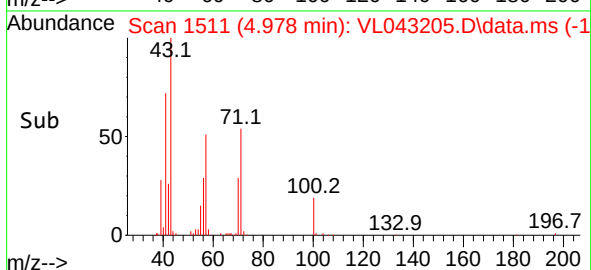
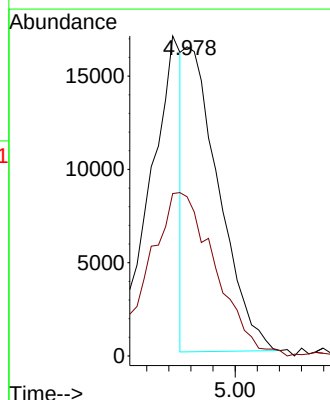
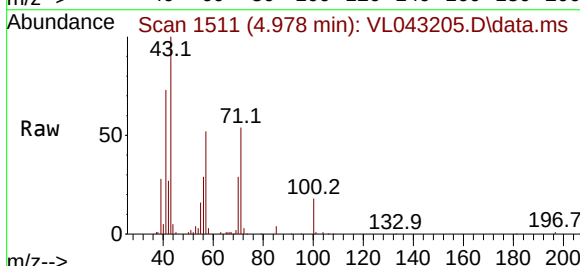
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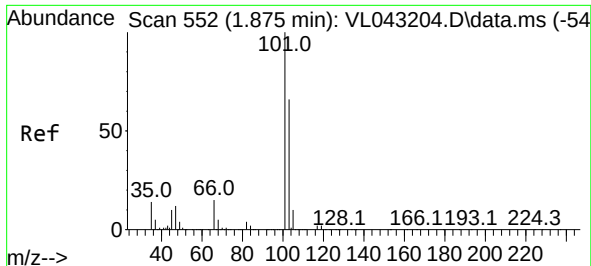
Tgt Ion: 43 Resp: 17701

Ion Ratio Lower Upper

43 100

57 0.0 39.7 59.5#

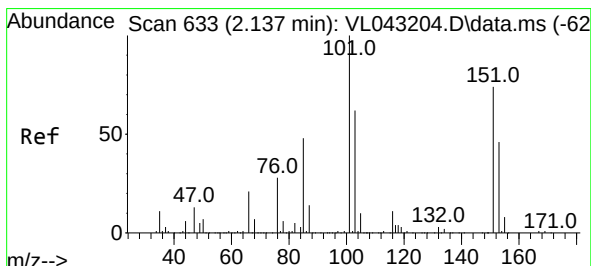
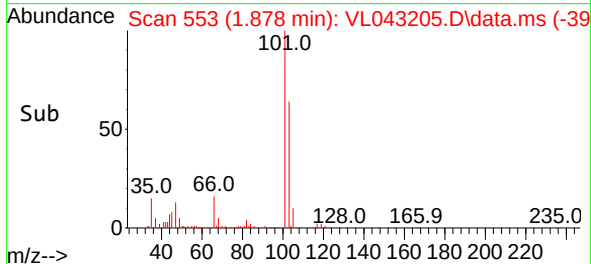
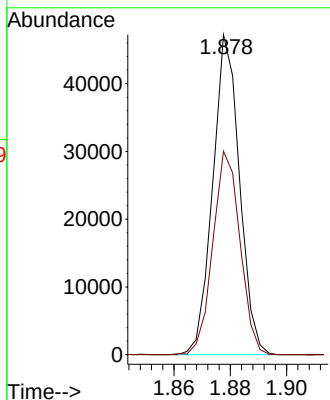
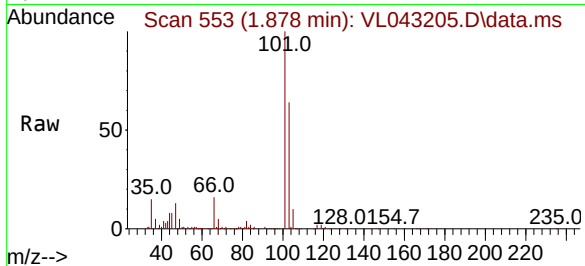




#11
 Trichlorofluoromethane
 Concen: 2.177 ppbv
 RT: 1.878 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL043205.D
 Acq: 18 Nov 2025 10:37

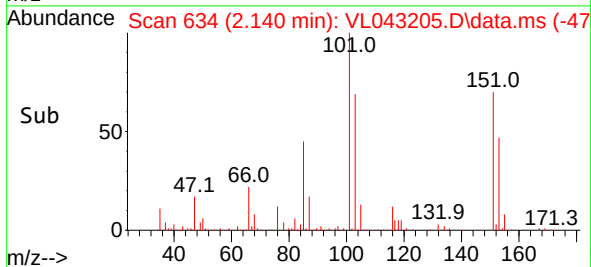
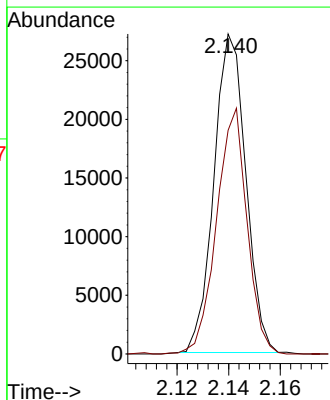
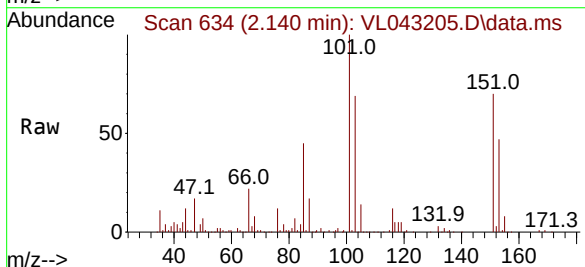
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 ClientSampleId :
 VSTDIC002

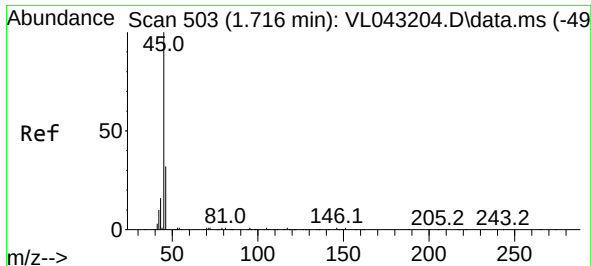
Tgt Ion:101 Resp: 31124
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.090 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.003 min
 Lab File: VL043205.D
 Acq: 18 Nov 2025 10:37

Tgt Ion:101 Resp: 23336
 Ion Ratio Lower Upper
 101 100
 151 73.8 59.2 88.8

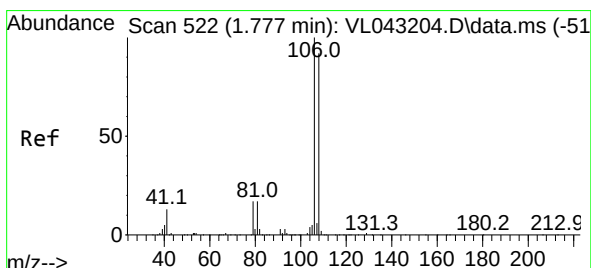
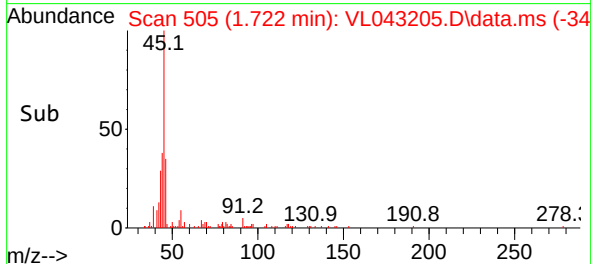
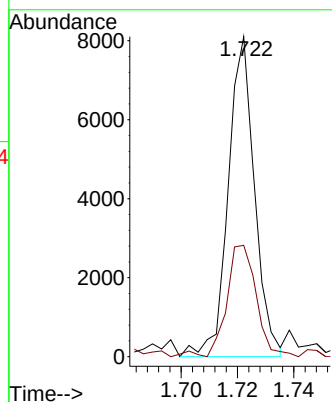
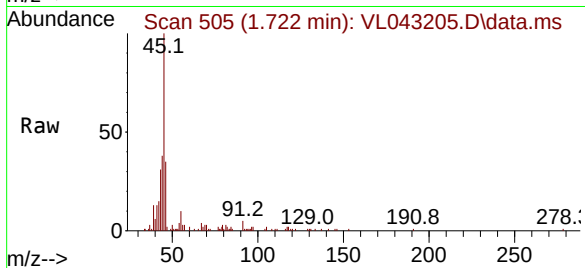




#13
 Ethanol
 Concen: 2.430 ppbv
 RT: 1.722 min Scan# 503
 Delta R.T. 0.006 min
 Lab File: VL043205.D
 Acq: 18 Nov 2025 10:37

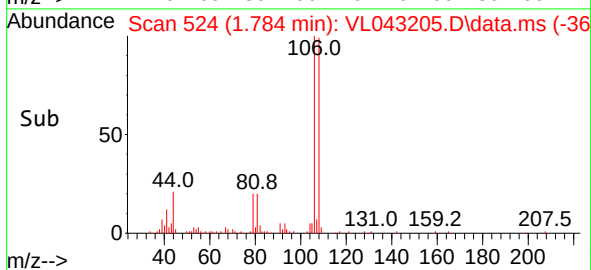
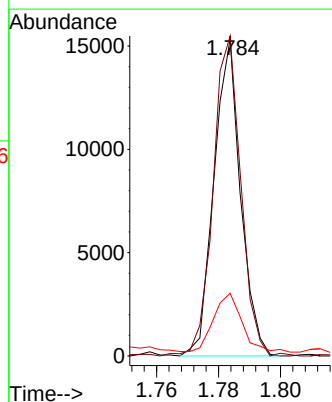
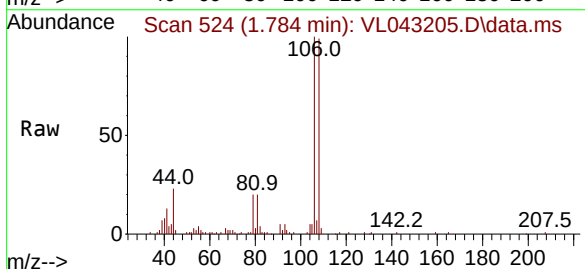
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

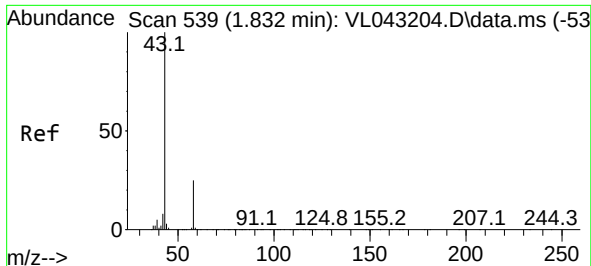
Tgt Ion: 45 Resp: 5266
 Ion Ratio Lower Upper
 45 100
 46 45.7 15.0 59.8



#14
 Bromoethene
 Concen: 2.133 ppbv
 RT: 1.784 min Scan# 524
 Delta R.T. 0.006 min
 Lab File: VL043205.D
 Acq: 18 Nov 2025 10:37

Tgt Ion: 108 Resp: 9129
 Ion Ratio Lower Upper
 108 100
 106 106.6 88.9 133.3
 79 24.3 16.5 24.7

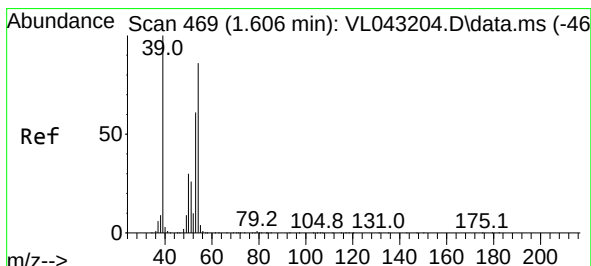
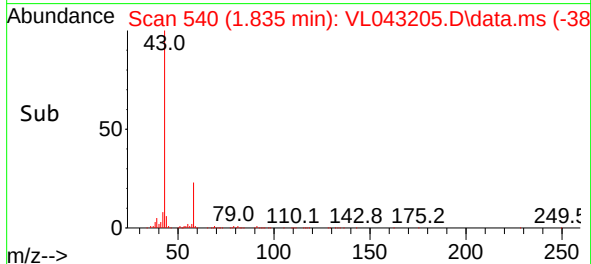
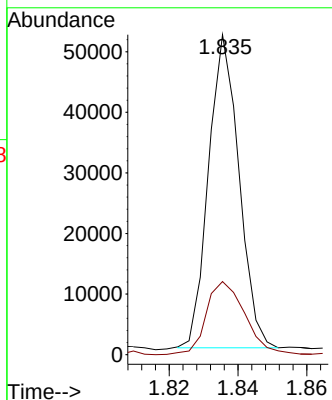
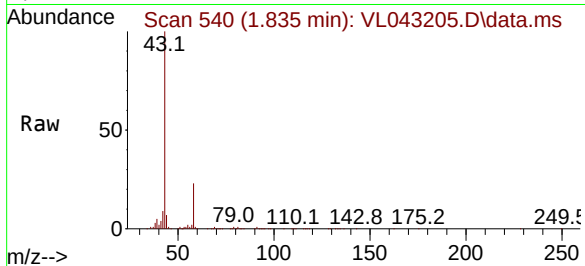




#15
Acetone
Concen: 2.186 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

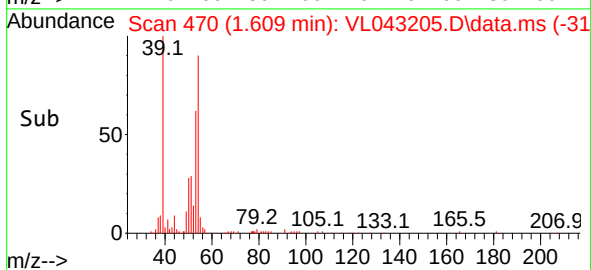
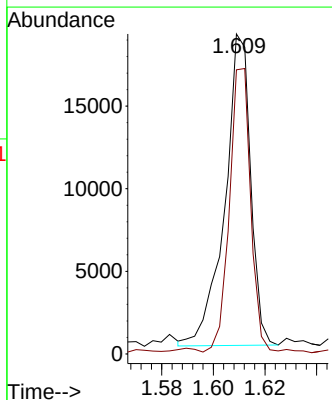
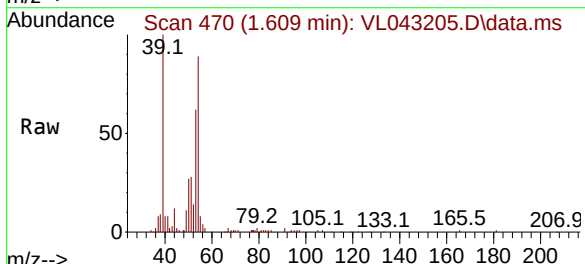
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

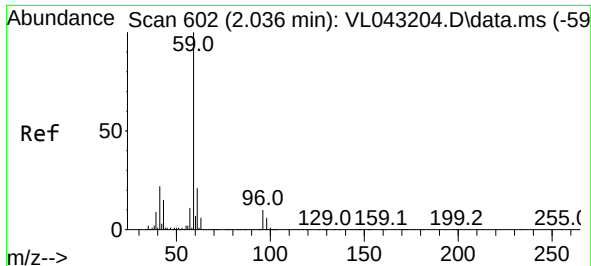
Tgt Ion: 43 Resp: 31785
Ion Ratio Lower Upper
43 100
58 30.6 20.7 31.1



#16
1,3-Butadiene
Concen: 2.021 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 39 Resp: 13101
Ion Ratio Lower Upper
39 100
54 83.3 59.4 89.2





#17

tert-Butyl alcohol

Concen: 2.062 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL043205.D

Acq: 18 Nov 2025 10:37

Instrument :

MSVOA_L

ClientSampleId :

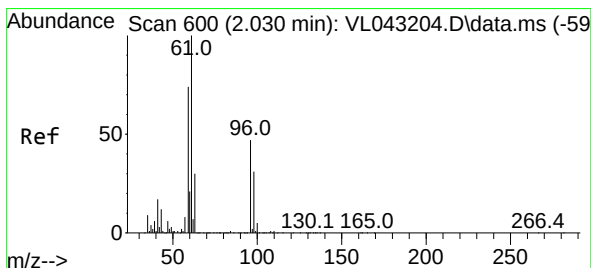
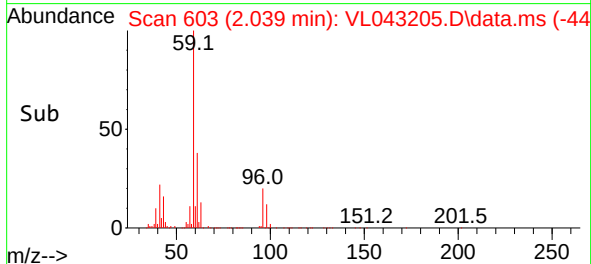
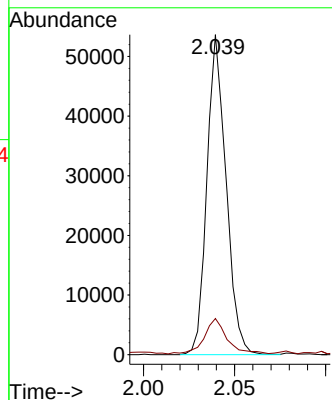
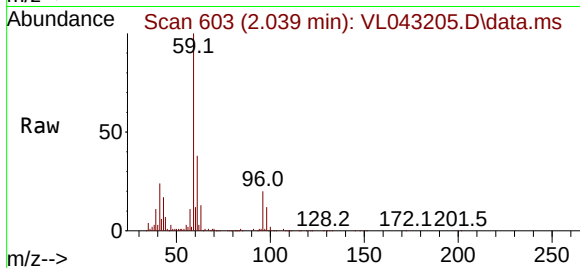
VSTDIC002

Tgt Ion: 59 Resp: 39348

Ion Ratio Lower Upper

59 100

57 13.3 9.0 13.4



#18

1,1-Dichloroethene

Concen: 2.074 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.006 min

Lab File: VL043205.D

Acq: 18 Nov 2025 10:37

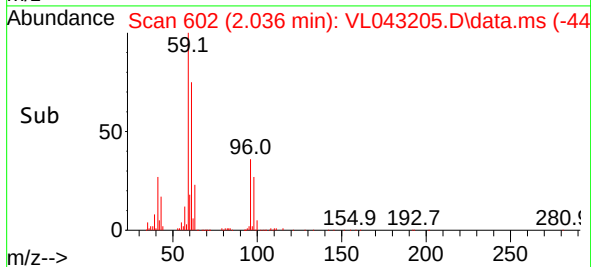
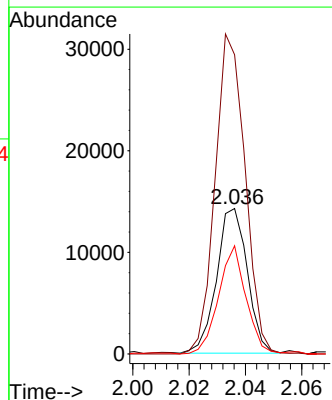
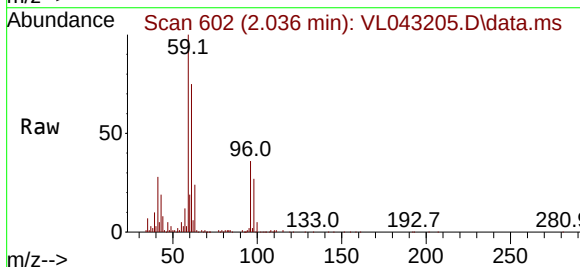
Tgt Ion: 96 Resp: 10780

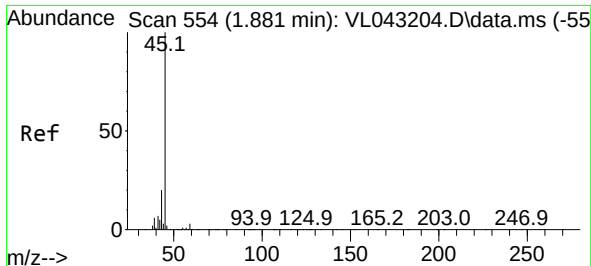
Ion Ratio Lower Upper

96 100

61 207.0 170.6 255.8

98 74.8 52.2 78.4

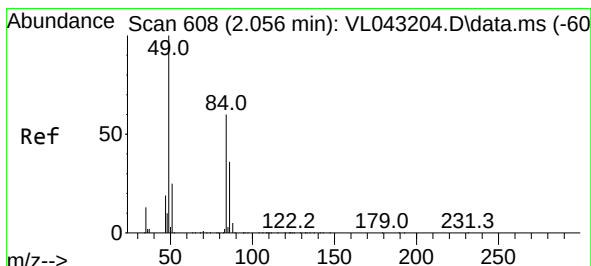
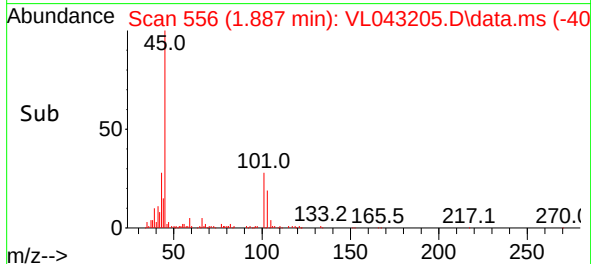
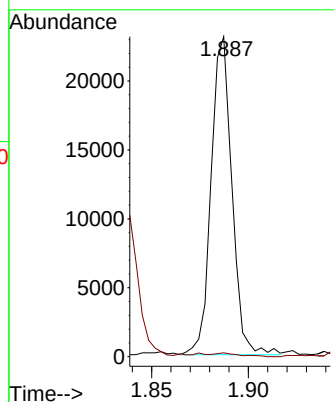
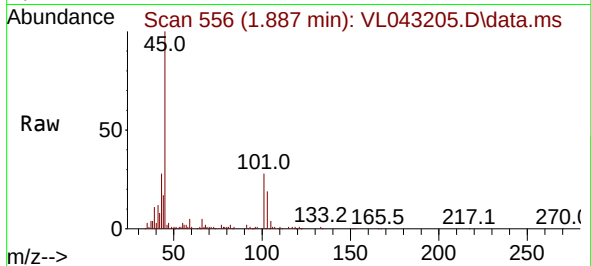




#19
Isopropyl Alcohol
Concen: 2.097 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

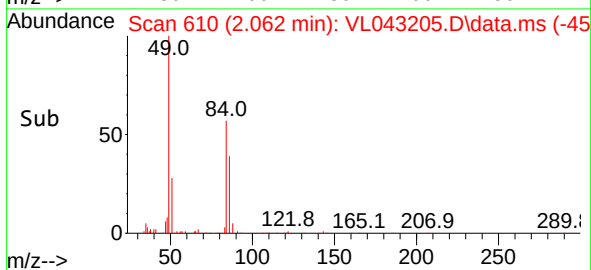
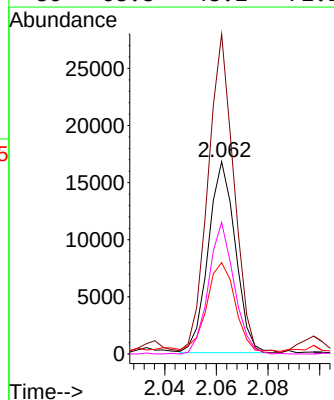
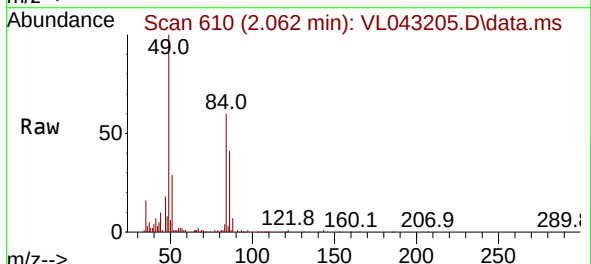
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

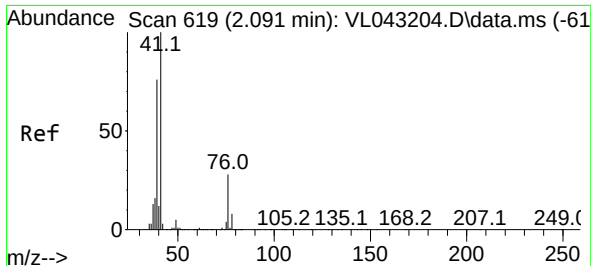
Tgt Ion: 45 Resp: 17229
Ion Ratio Lower Upper
45 100
58 56.6 31.3 46.9#



#20
Methylene Chloride
Concen: 2.248 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 84 Resp: 12238
Ion Ratio Lower Upper
84 100
49 166.8 132.9 199.3
51 46.5 34.8 52.2
86 68.8 48.2 72.2

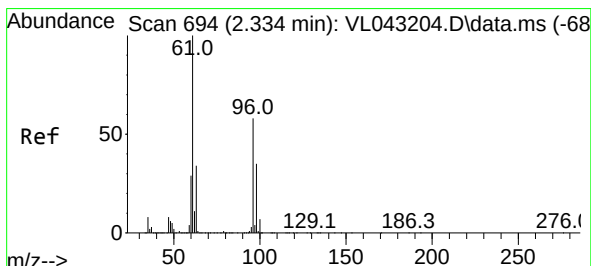
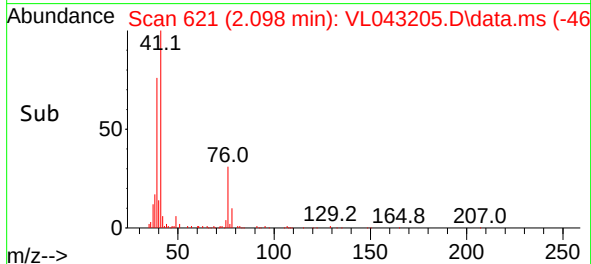
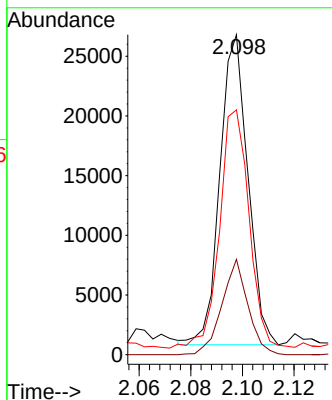
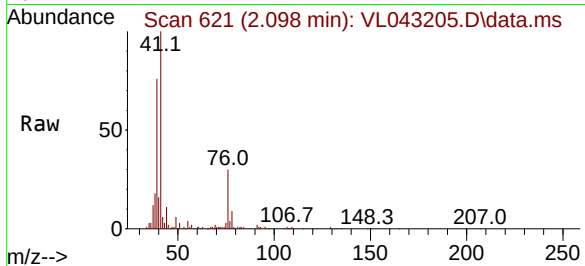




#21
 Allyl Chloride
 Concen: 2.002 ppbv
 RT: 2.098 min Scan# 619
 Delta R.T. 0.006 min
 Lab File: VL043205.D
 Acq: 18 Nov 2025 10:37

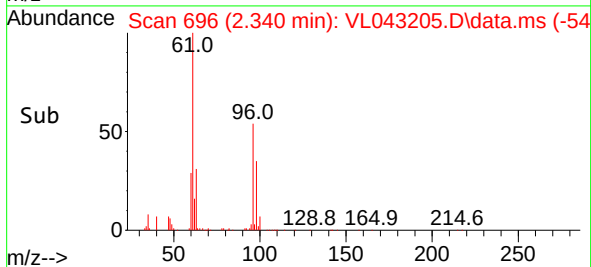
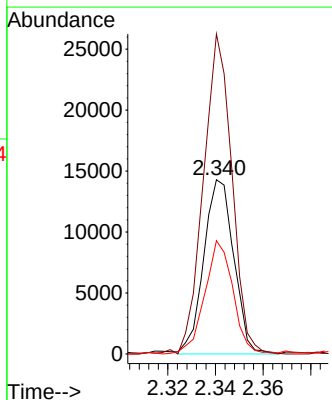
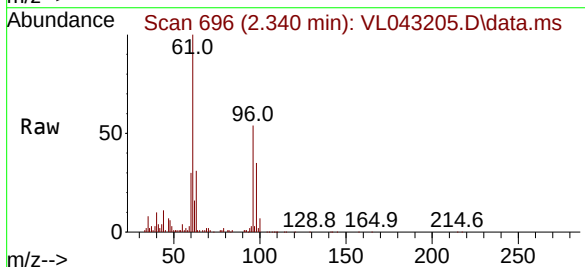
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

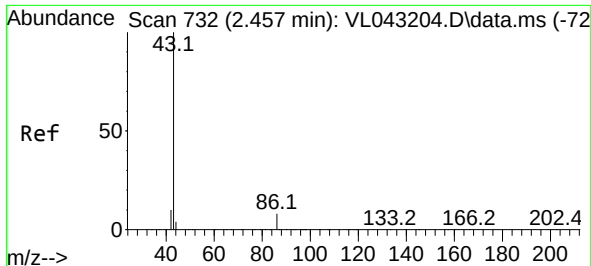
Tgt Ion: 41 Resp: 19580
 Ion Ratio Lower Upper
 41 100
 76 28.6 22.1 33.1
 39 81.8 61.0 91.4



#22
 trans-1,2-Dichloroethene
 Concen: 2.110 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. 0.006 min
 Lab File: VL043205.D
 Acq: 18 Nov 2025 10:37

Tgt Ion: 96 Resp: 12537
 Ion Ratio Lower Upper
 96 100
 61 183.6 139.0 208.6
 98 64.3 49.4 74.2

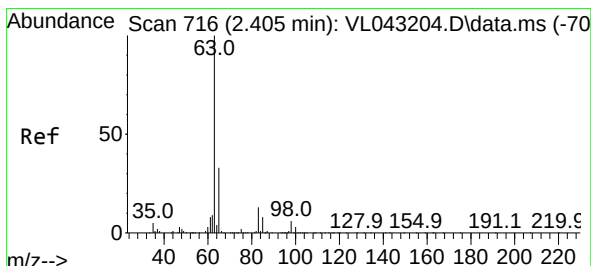
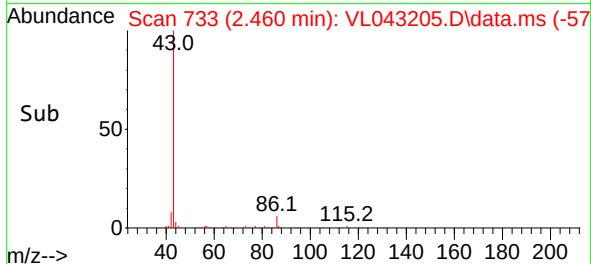
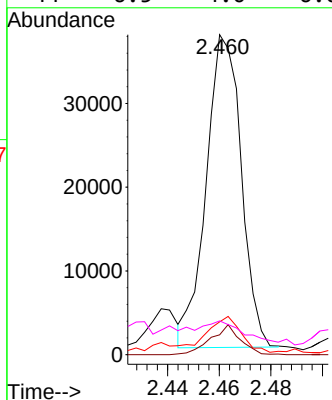
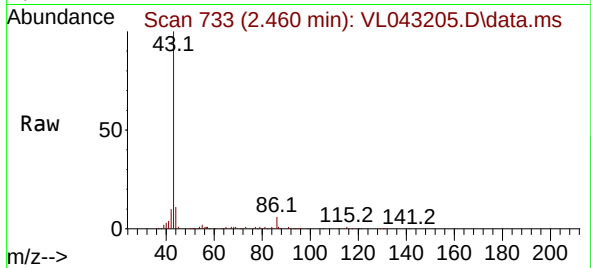




#23
 Vinyl Acetate
 Concen: 2.006 ppbv
 RT: 2.460 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL043205.D
 Acq: 18 Nov 2025 10:37

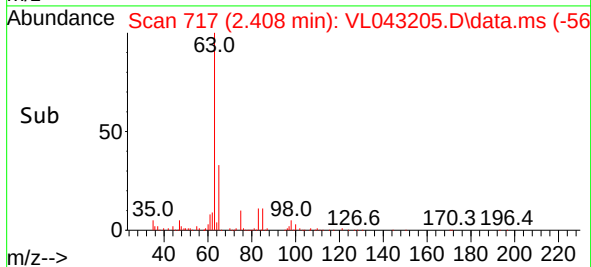
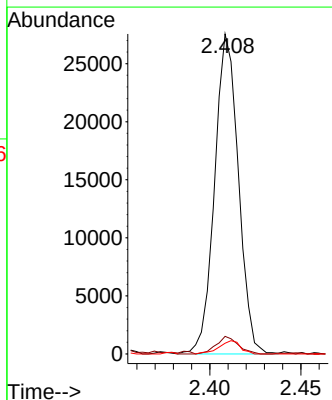
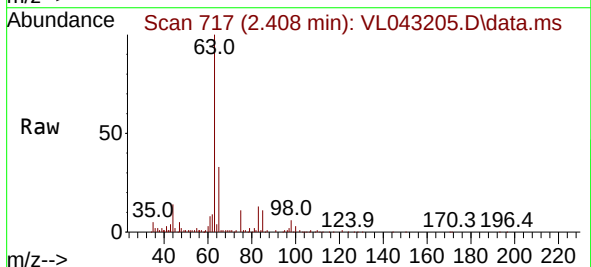
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

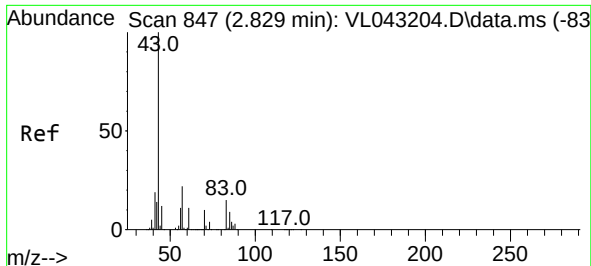
Tgt Ion:	43	Resp:	35205
Ion	Ratio	Lower	Upper
43	100		
86	6.8	6.2	9.2
42	9.5	8.0	12.0
44	6.5	4.0	6.0



#24
 1,1-Dichloroethane
 Concen: 2.179 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL043205.D
 Acq: 18 Nov 2025 10:37

Tgt Ion:	63	Resp:	24987
Ion	Ratio	Lower	Upper
63	100		
98	5.3	2.8	8.4
100	3.3	1.3	3.9

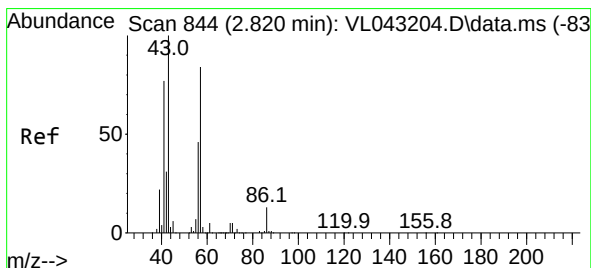
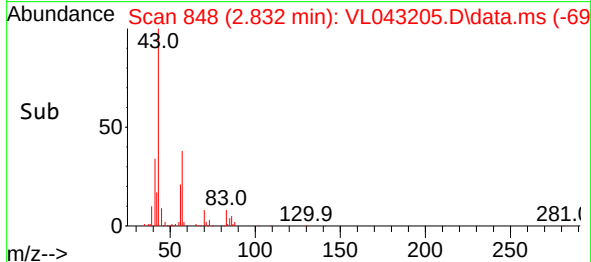
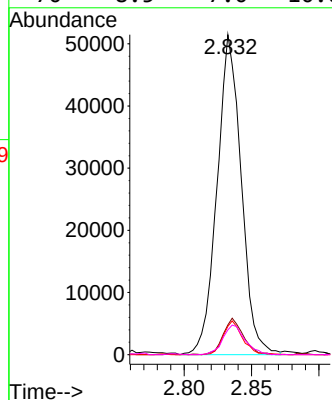
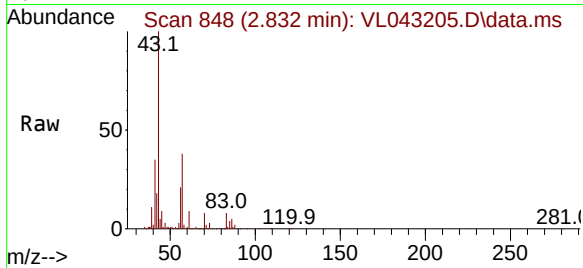




#25
Ethyl Acetate
Concen: 2.048 ppbv
RT: 2.832 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

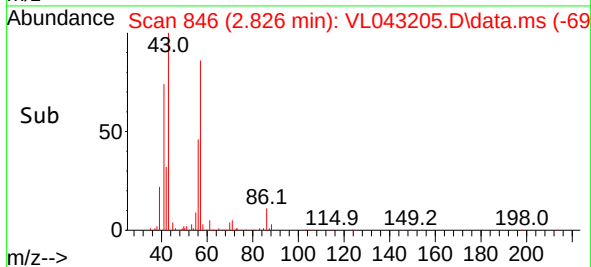
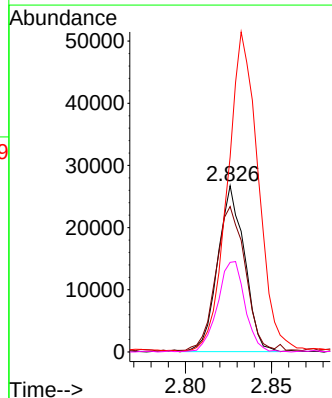
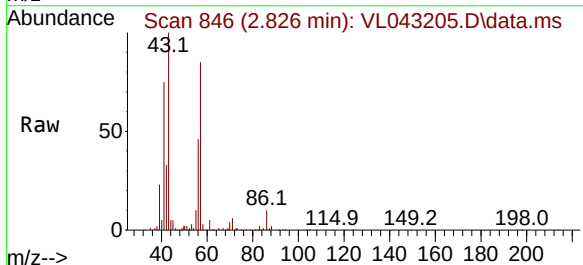
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

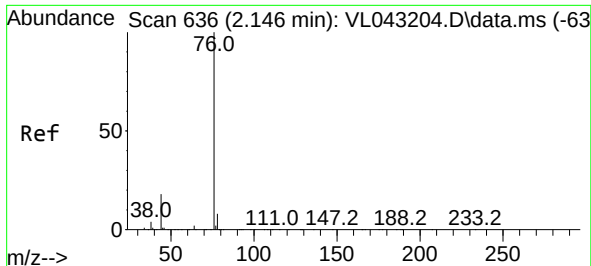
Tgt Ion: 43 Resp: 64343
Ion Ratio Lower Upper
43 100
45 9.6 8.1 12.1
61 8.5 7.0 10.4
70 8.5 7.0 10.6



#26
Hexane
Concen: 2.093 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 57 Resp: 28776
Ion Ratio Lower Upper
57 100
41 96.3 74.6 111.8
43 221.0 179.0 268.4
56 56.5 42.3 63.5





#27

Carbon Disulfide

Concen: 2.135 ppbv

RT: 2.149 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL043205.D

Acq: 18 Nov 2025 10:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

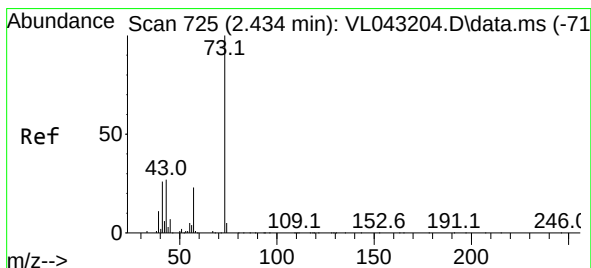
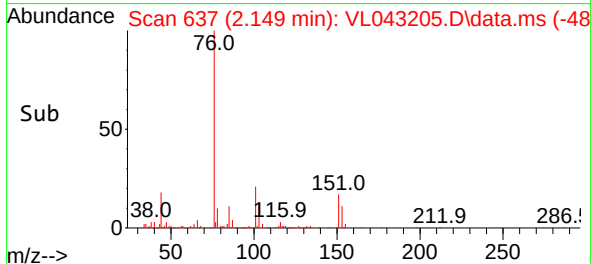
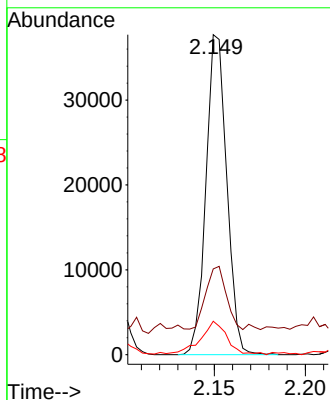
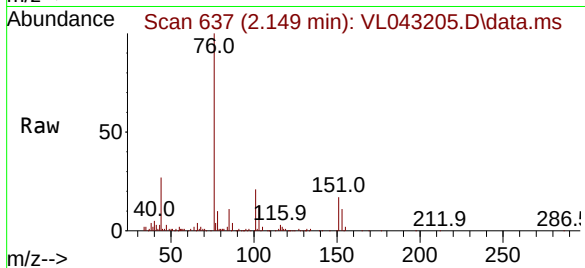
Tgt Ion: 76 Resp: 29964

Ion Ratio Lower Upper

76 100

44 26.0 16.1 24.1#

78 13.5 9.6 14.4



#28

Methyl tert-Butyl Ether

Concen: 2.090 ppbv

RT: 2.438 min Scan# 726

Delta R.T. 0.003 min

Lab File: VL043205.D

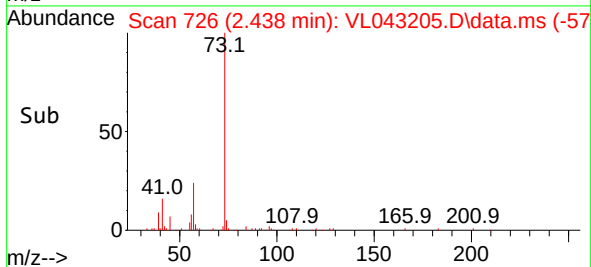
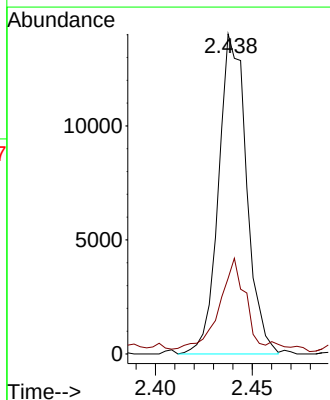
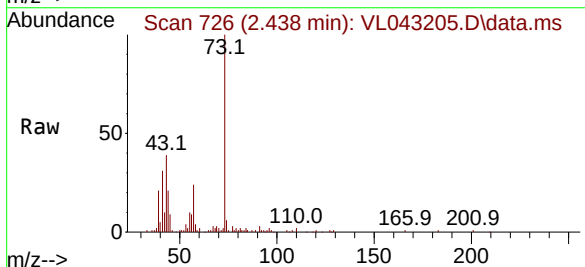
Acq: 18 Nov 2025 10:37

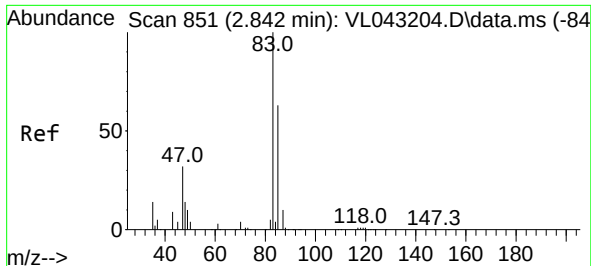
Tgt Ion: 73 Resp: 14101

Ion Ratio Lower Upper

73 100

57 32.5 19.8 29.8#





#29

Chloroform

Concen: 2.065 ppbv

RT: 2.849 min Scan# 851

Delta R.T. 0.006 min

Lab File: VL043205.D

Acq: 18 Nov 2025 10:37

Instrument :

MSVOA_L

ClientSampleId :

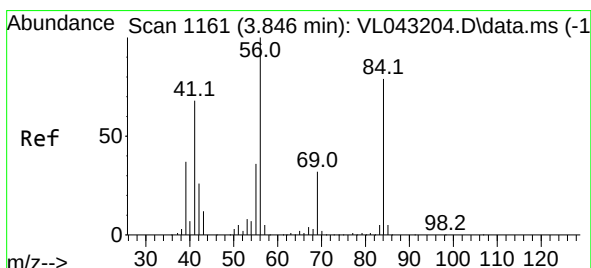
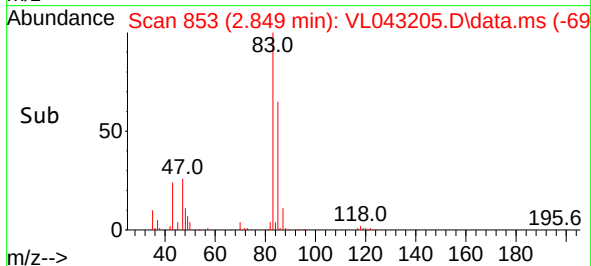
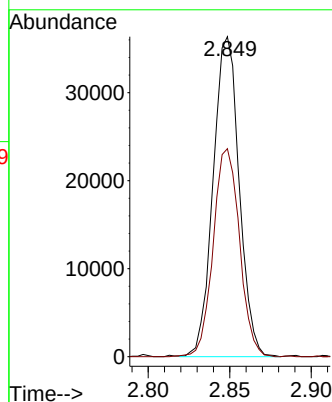
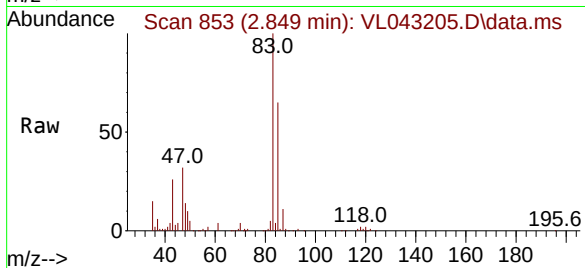
VSTDIC002

Tgt Ion: 83 Resp: 40355

Ion Ratio Lower Upper

83 100

85 65.0 50.5 75.7



#30

Cyclohexane

Concen: 2.053 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.010 min

Lab File: VL043205.D

Acq: 18 Nov 2025 10:37

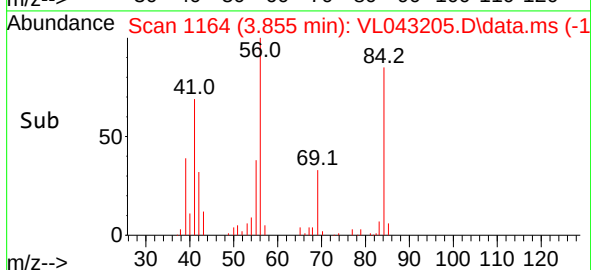
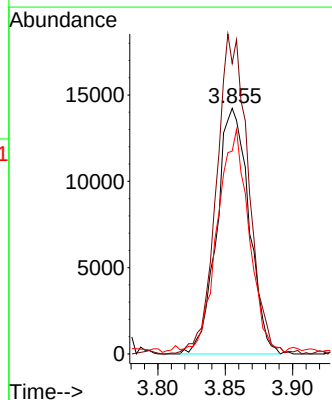
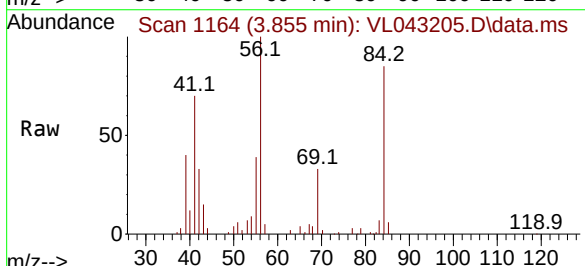
Tgt Ion: 84 Resp: 23659

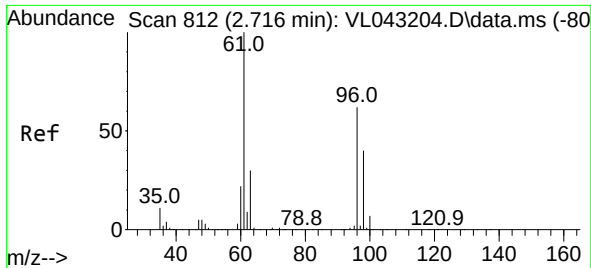
Ion Ratio Lower Upper

84 100

56 129.3 104.7 157.1

41 89.8 69.0 103.6

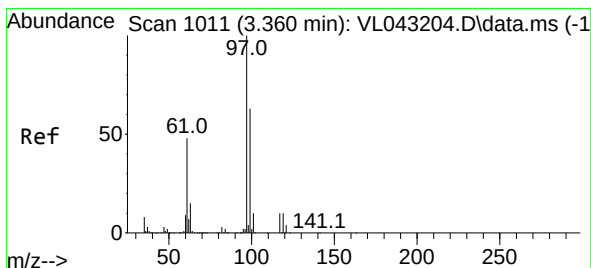
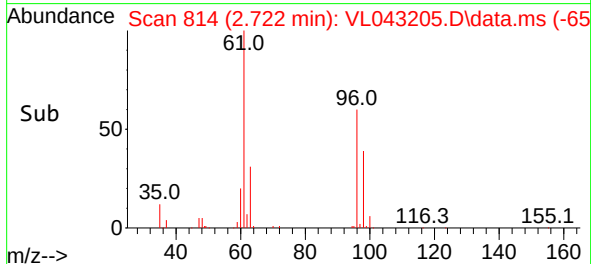
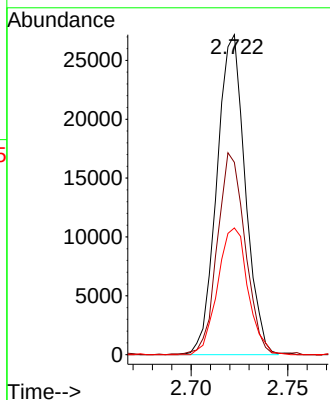
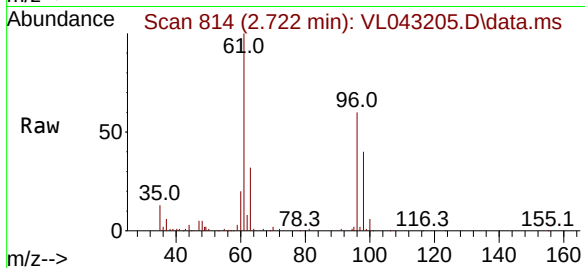




#31
 cis-1,2-Dichloroethene
 Concen: 2.024 ppbv
 RT: 2.722 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VL043205.D
 Acq: 18 Nov 2025 10:37

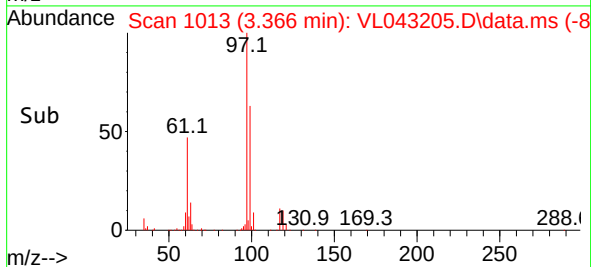
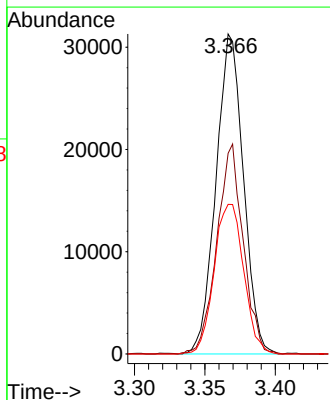
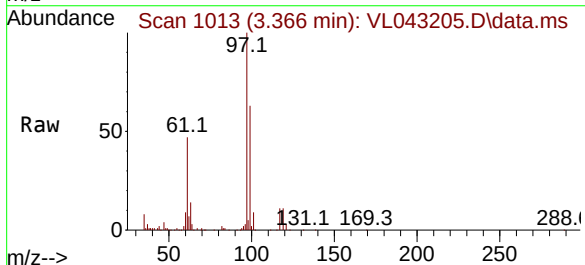
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

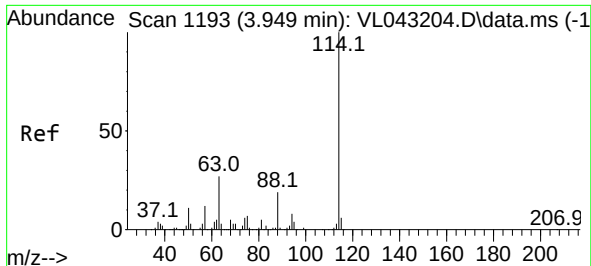
Tgt Ion: 61 Resp: 27663
 Ion Ratio Lower Upper
 61 100
 96 59.9 49.3 73.9
 98 39.6 32.1 48.1



#32
 1,1,1-Trichloroethane
 Concen: 2.024 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. 0.006 min
 Lab File: VL043205.D
 Acq: 18 Nov 2025 10:37

Tgt Ion: 97 Resp: 42547
 Ion Ratio Lower Upper
 97 100
 99 62.8 50.3 75.5
 61 50.4 38.9 58.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. 0.006 min

Lab File: VL043205.D

Acq: 18 Nov 2025 10:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

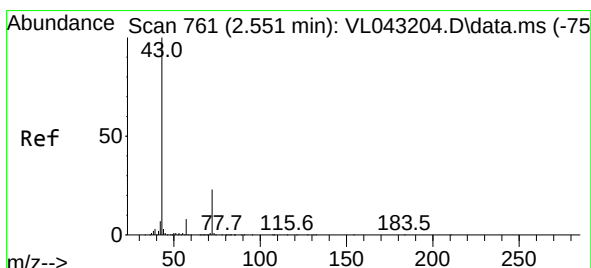
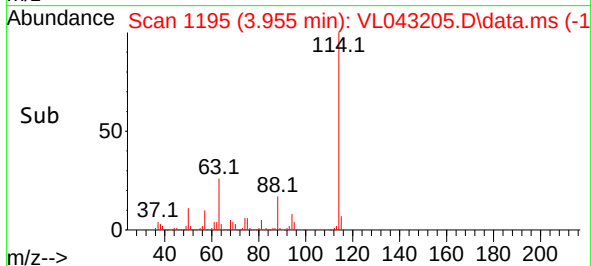
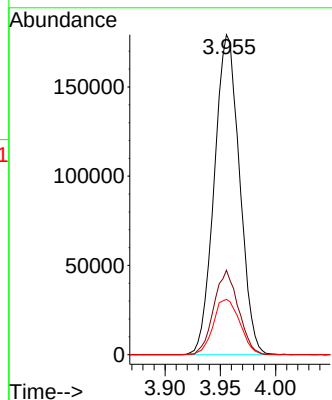
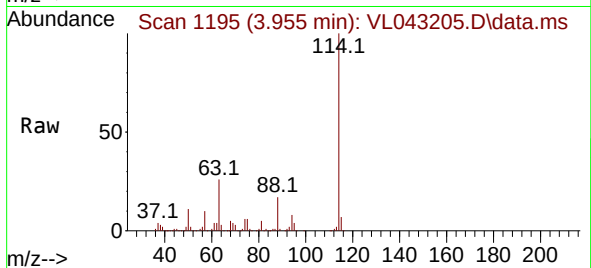
Tgt Ion:114 Resp: 284629

Ion Ratio Lower Upper

114 100

63 25.7 21.0 31.6

88 18.2 14.9 22.3



#34

2-Butanone

Concen: 2.085 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.006 min

Lab File: VL043205.D

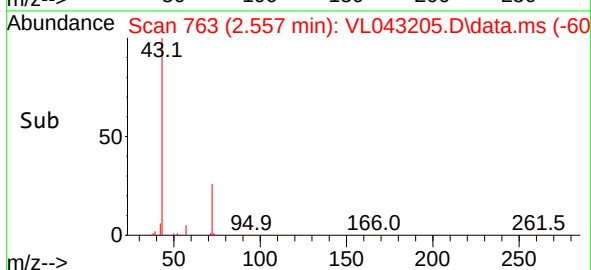
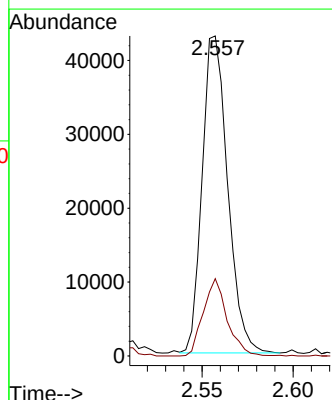
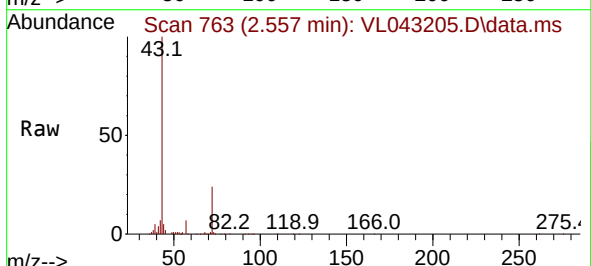
Acq: 18 Nov 2025 10:37

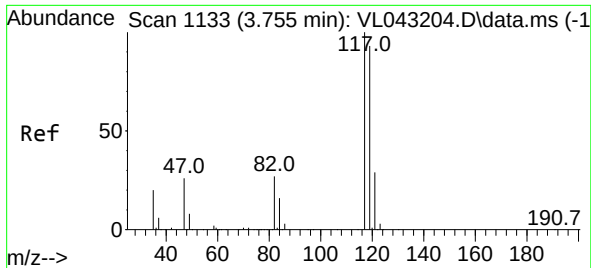
Tgt Ion: 43 Resp: 41884

Ion Ratio Lower Upper

43 100

72 22.9 18.1 27.1

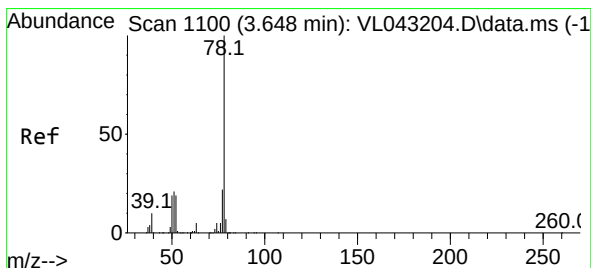
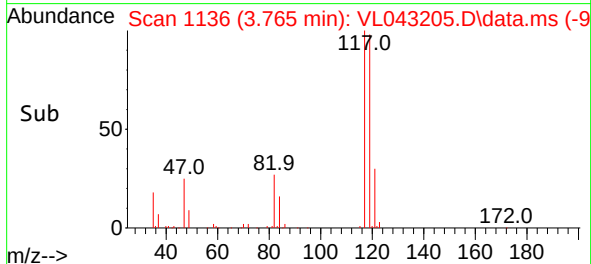
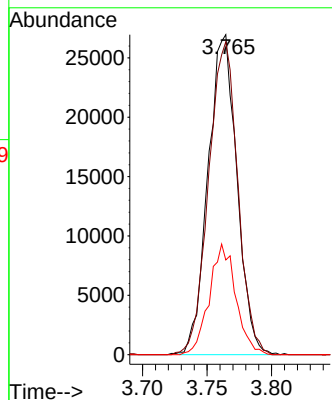
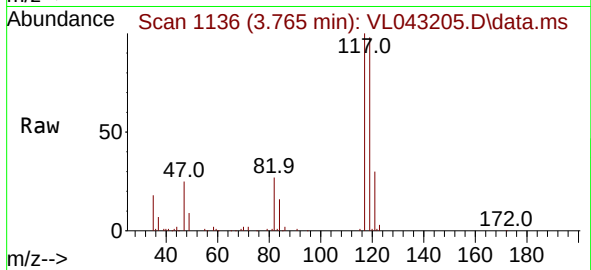




#35
Carbon Tetrachloride
Concen: 1.942 ppbv
RT: 3.765 min Scan# 1133
Delta R.T. 0.010 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

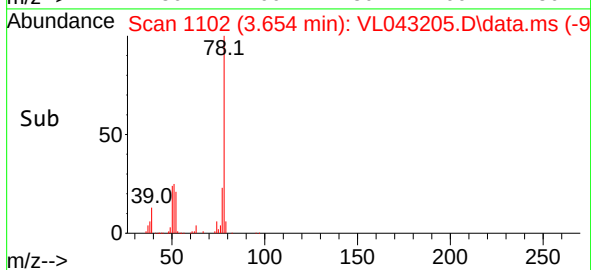
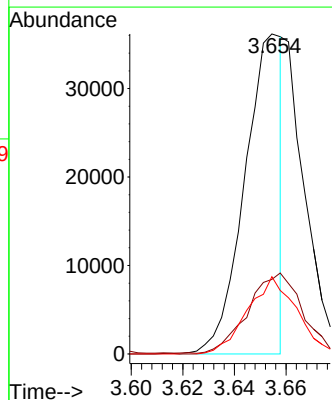
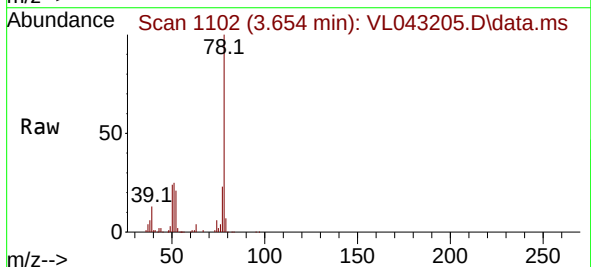
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

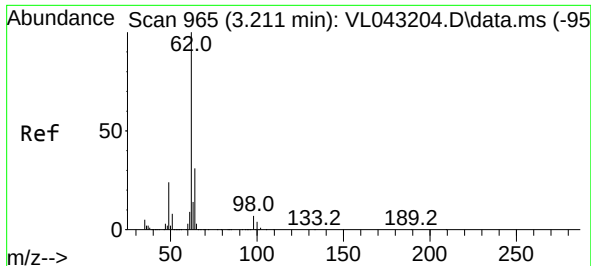
Tgt Ion:117 Resp: 41949
Ion Ratio Lower Upper
117 100
119 97.8 74.6 112.0
121 29.6 23.2 34.8



#36
Benzene
Concen: 1.334 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 78 Resp: 36362
Ion Ratio Lower Upper
78 100
77 23.0 17.5 26.3
50 24.1 15.5 23.3#





#37

1,2-Dichloroethane

Concen: 2.019 ppbv

RT: 3.218 min Scan# 9

Delta R.T. 0.006 min

Lab File: VL043205.D

Acq: 18 Nov 2025 10:37

Instrument :

MSVOA_L

ClientSampleId :

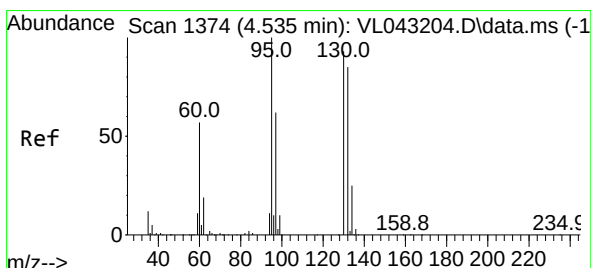
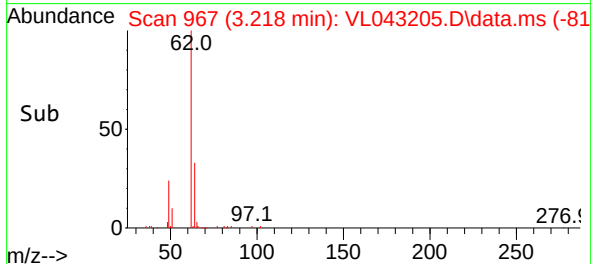
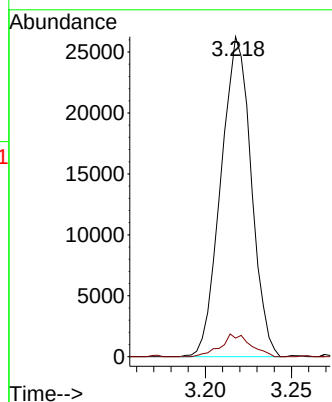
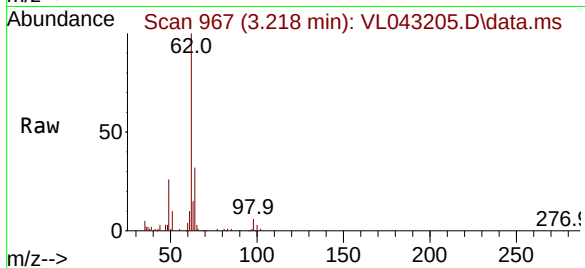
VSTDICC002

Tgt Ion: 62 Resp: 32188

Ion Ratio Lower Upper

62 100

98 7.0 5.5 8.3



#38

Trichloroethene

Concen: 1.015 ppbv

RT: 4.541 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VL043205.D

Acq: 18 Nov 2025 10:37

Tgt Ion:130 Resp: 10841

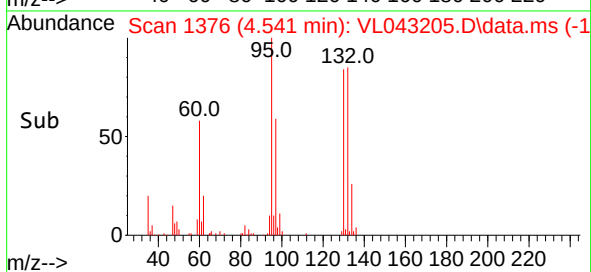
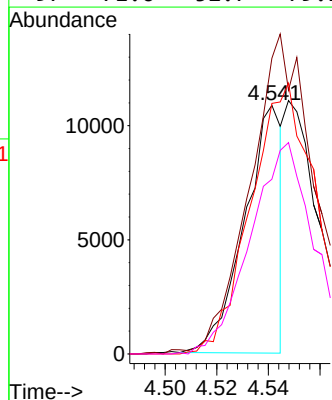
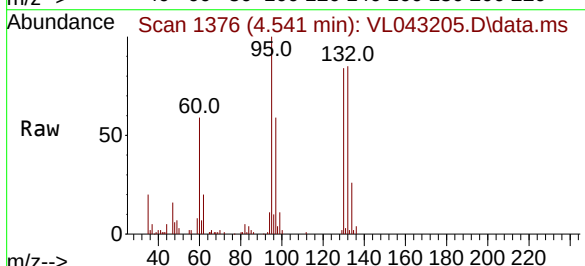
Ion Ratio Lower Upper

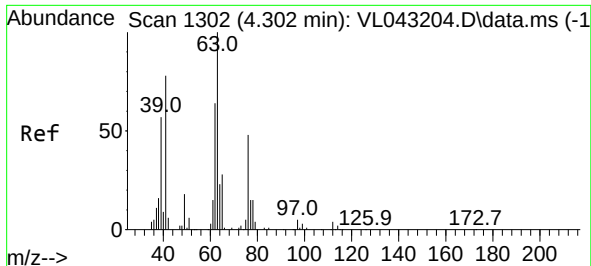
130 100

95 120.4 85.7 128.5

132 103.5 73.4 110.0

97 71.6 52.7 79.1





#39

1,2-Dichloropropane

Concen: 1.996 ppbv

RT: 4.312 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL043205.D

Acq: 18 Nov 2025 10:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

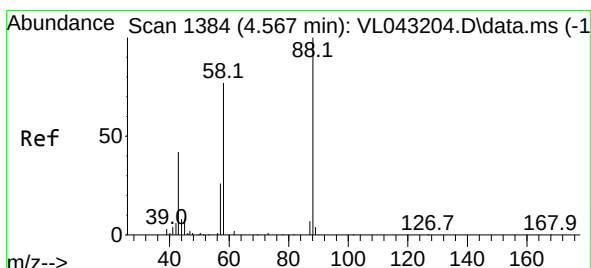
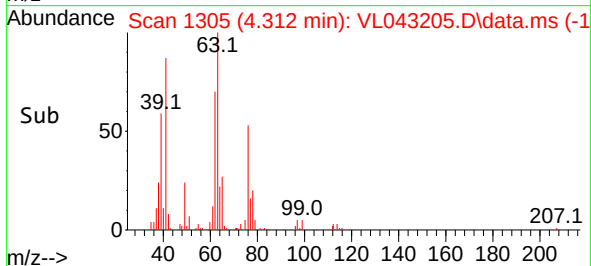
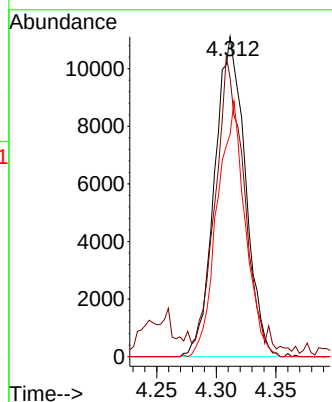
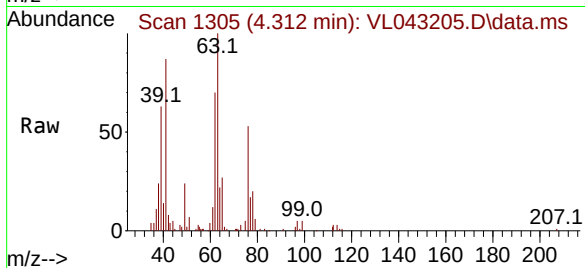
Tgt Ion: 63 Resp: 19913

Ion Ratio Lower Upper

63 100

41 83.9 62.6 93.8

62 69.5 51.0 76.6



#40

1,4-Dioxane

Concen: 0.721 ppbv

RT: 4.580 min Scan# 1388

Delta R.T. 0.013 min

Lab File: VL043205.D

Acq: 18 Nov 2025 10:37

Tgt Ion: 88 Resp: 3232

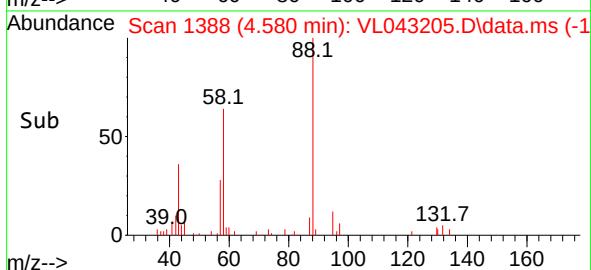
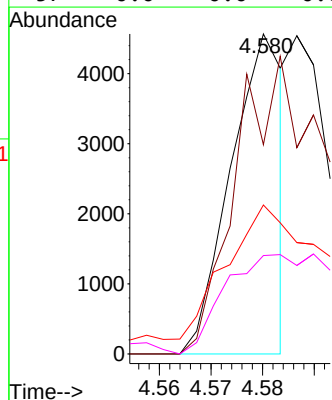
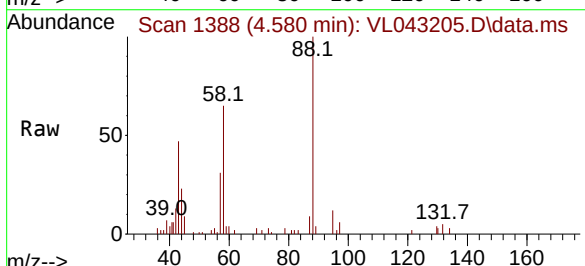
Ion Ratio Lower Upper

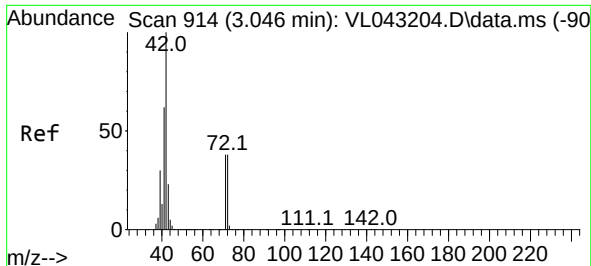
88 100

58 0.0 63.0 94.6#

43 0.0 32.5 48.7#

57 0.0 0.0 0.0

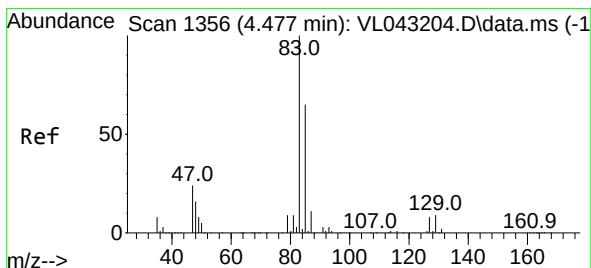
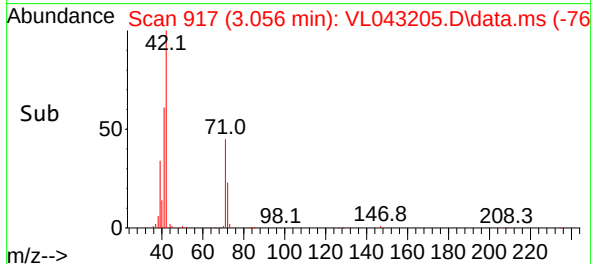
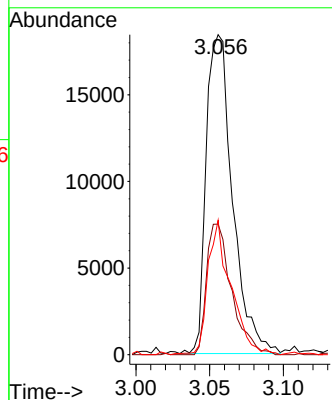
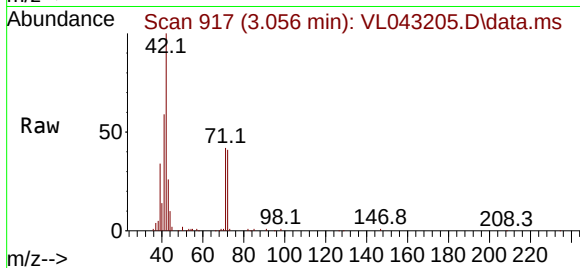




#41
Tetrahydrofuran
Concen: 2.065 ppbv
RT: 3.056 min Scan# 914
Delta R.T. 0.010 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

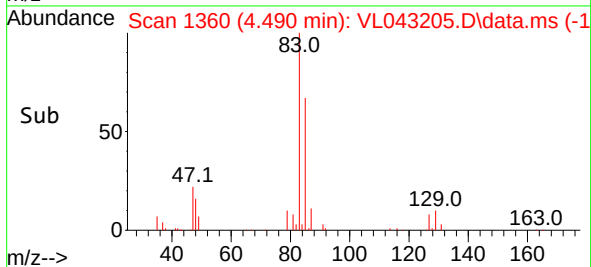
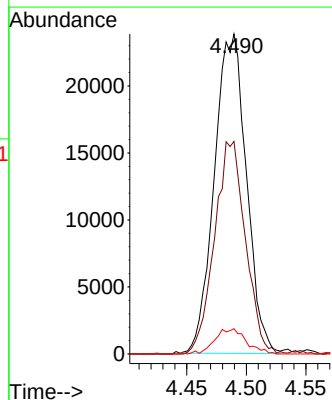
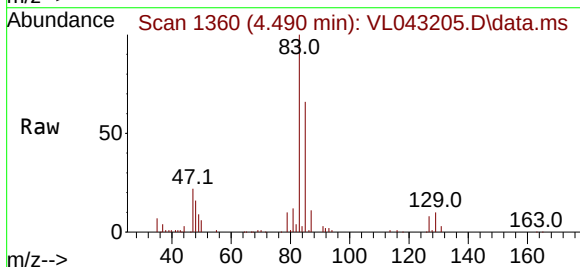
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

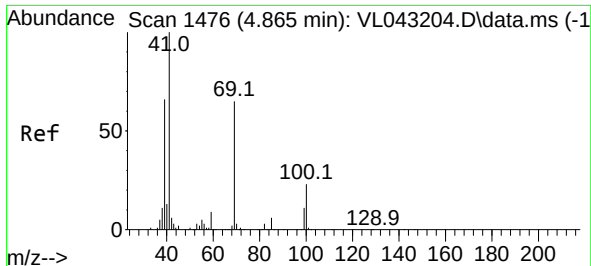
Tgt Ion: 42 Resp: 22912
Ion Ratio Lower Upper
42 100
72 38.8 30.6 46.0
71 37.9 30.5 45.7



#42
Bromodichloromethane
Concen: 2.027 ppbv
RT: 4.490 min Scan# 1360
Delta R.T. 0.013 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 83 Resp: 44584
Ion Ratio Lower Upper
83 100
85 66.6 51.7 77.5
127 7.9 6.3 9.5

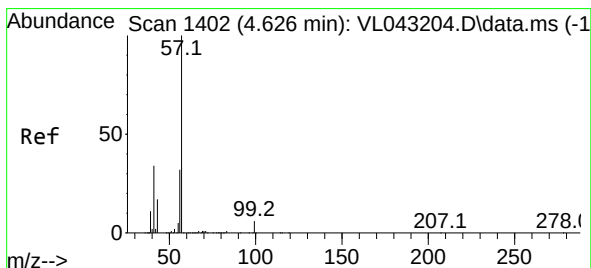
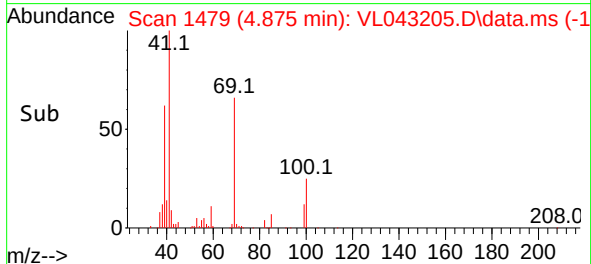
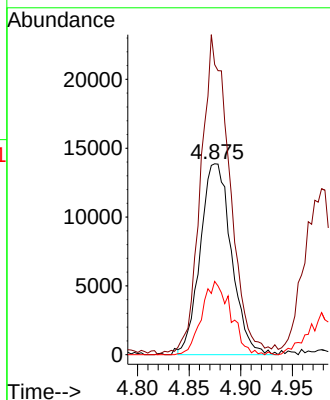
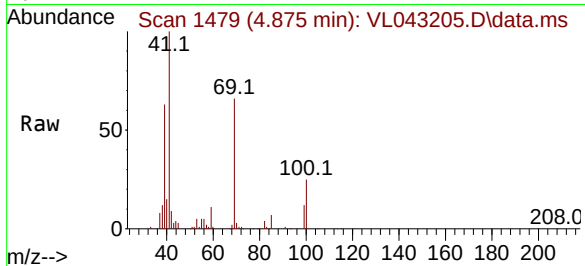




#43
Methyl Methacrylate
Concen: 2.009 ppbv
RT: 4.875 min Scan# 1476
Delta R.T. 0.010 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

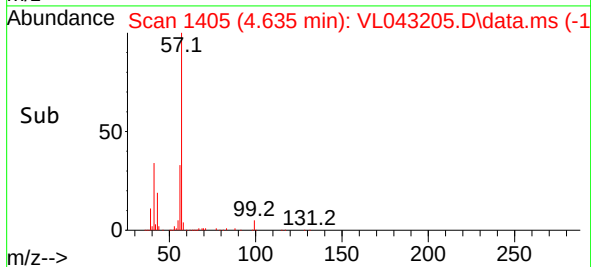
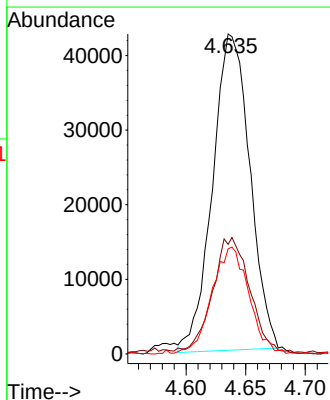
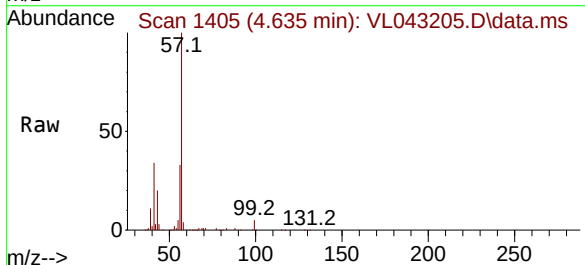
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

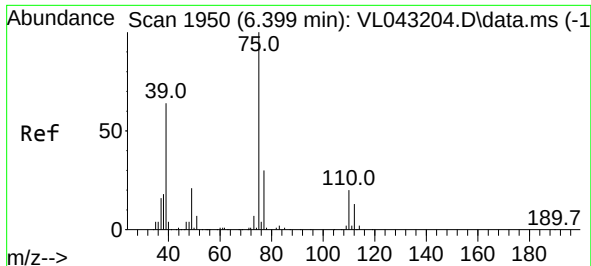
Tgt Ion: 69 Resp: 29071
Ion Ratio Lower Upper
69 100
41 157.2 126.7 190.1
100 36.0 28.6 43.0



#44
2,2,4-Trimethylpentane
Concen: 1.971 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. 0.010 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 57 Resp: 92261
Ion Ratio Lower Upper
57 100
41 37.8 28.0 42.0
56 33.9 25.6 38.4

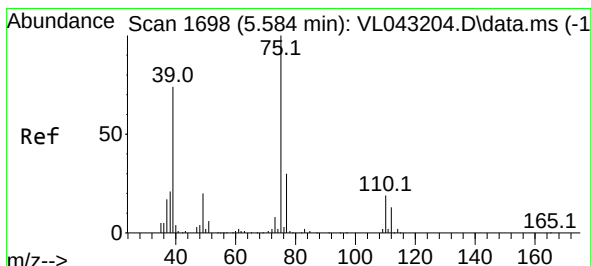
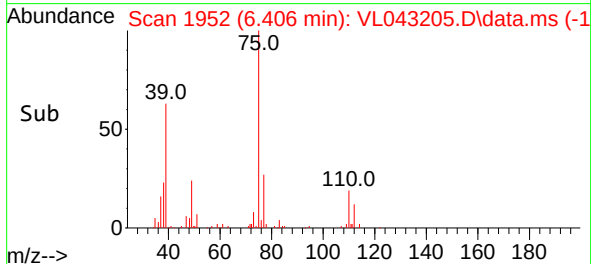
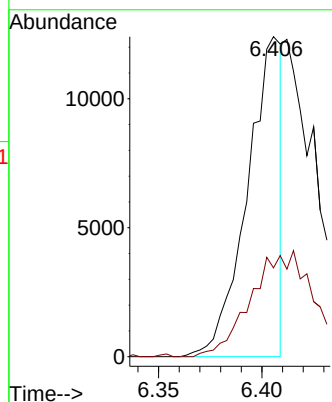
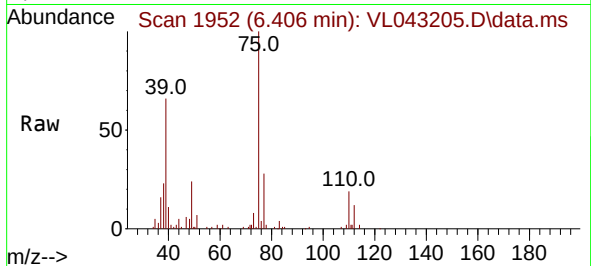




#45
 t-1,3-Dichloropropene
 Concen: 1.063 ppbv
 RT: 6.406 min Scan# 1952
 Delta R.T. 0.006 min
 Lab File: VL043205.D
 Acq: 18 Nov 2025 10:37

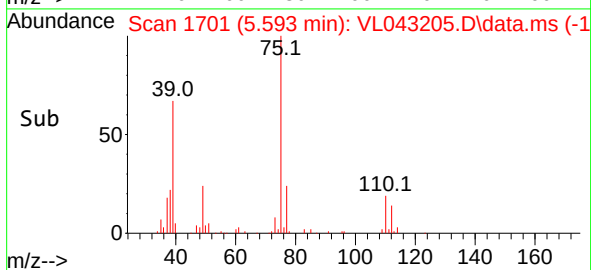
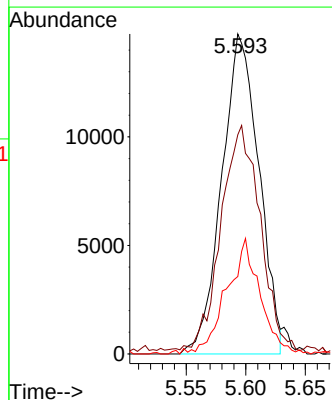
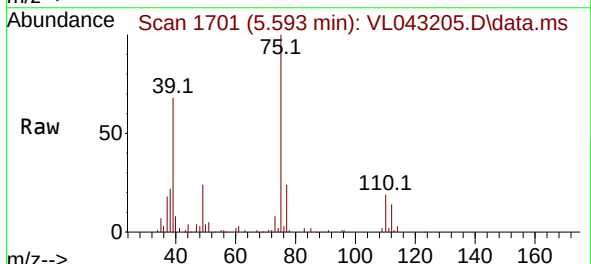
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

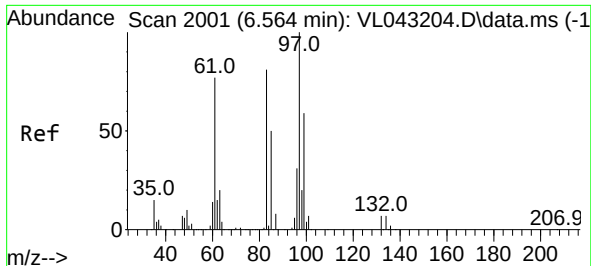
Tgt Ion: 75 Resp: 14338
 Ion Ratio Lower Upper
 75 100
 77 27.8 24.3 36.5



#46
 cis-1,3-Dichloropropene
 Concen: 2.020 ppbv
 RT: 5.593 min Scan# 1701
 Delta R.T. 0.010 min
 Lab File: VL043205.D
 Acq: 18 Nov 2025 10:37

Tgt Ion: 75 Resp: 31986
 Ion Ratio Lower Upper
 75 100
 39 67.2 59.1 88.7
 77 24.2 24.2 36.2

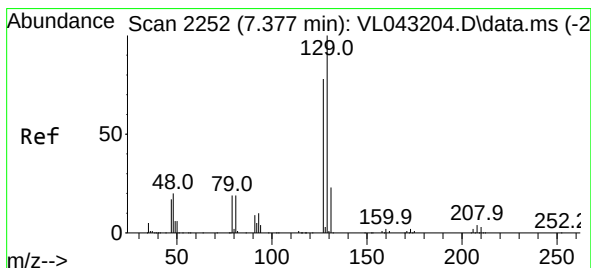
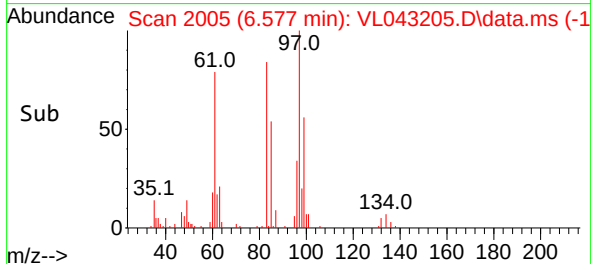
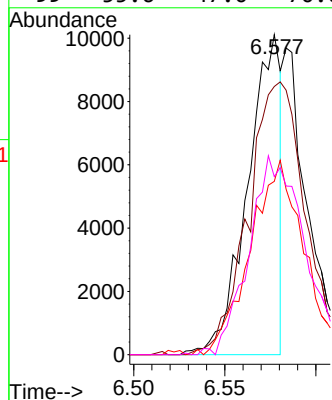
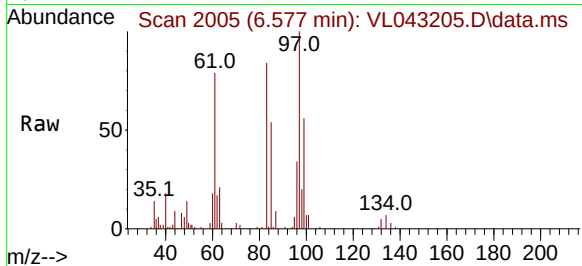




#47
1,1,2-Trichloroethane
Concen: 1.201 ppbv
RT: 6.577 min Scan# 2005
Delta R.T. 0.013 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

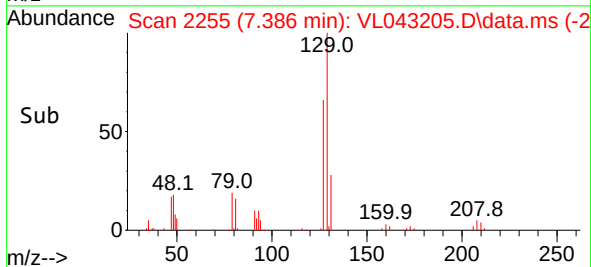
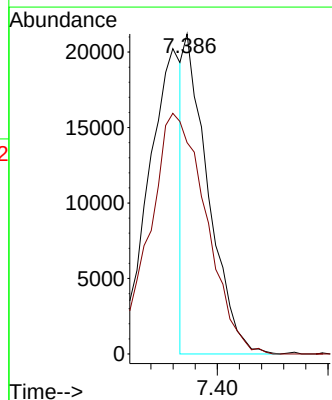
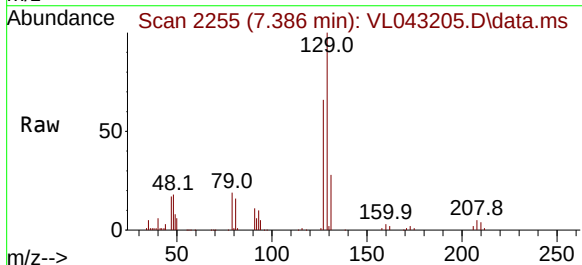
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

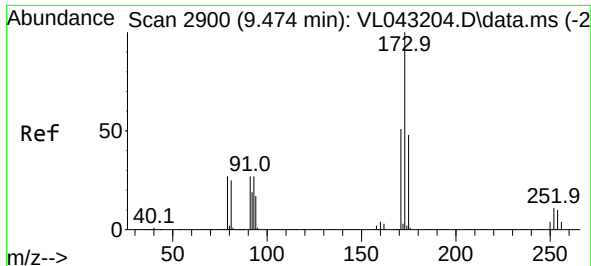
Tgt Ion: 97	Resp: 12775
Ion Ratio	Lower Upper
97 100	
83 83.8	64.6 97.0
85 52.8	39.4 59.2
99 55.6	47.0 70.6



#48
Dibromochloromethane
Concen: 0.887 ppbv
RT: 7.386 min Scan# 2255
Delta R.T. 0.010 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:129	Resp:	16152	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.3	117.9#

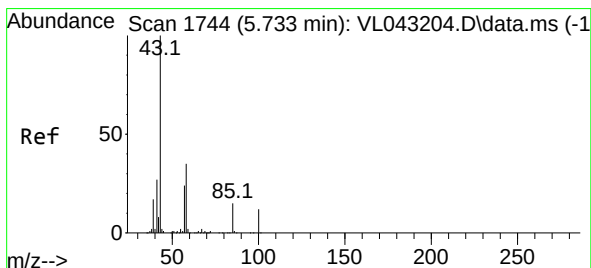
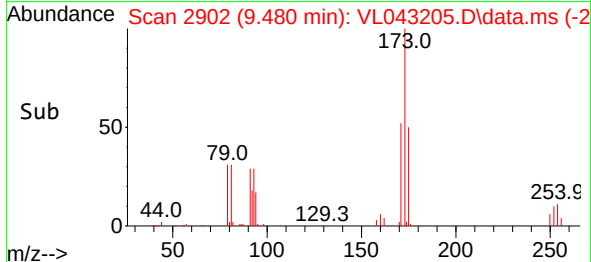
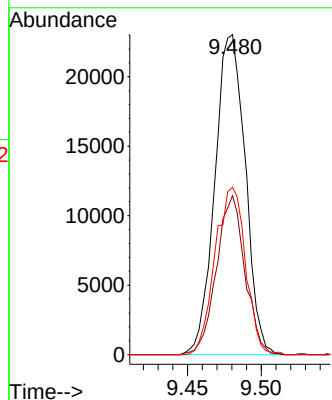
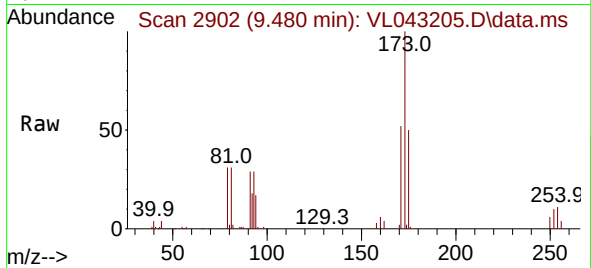




#49
Bromoform
Concen: 2.050 ppbv
RT: 9.480 min Scan# 2900
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

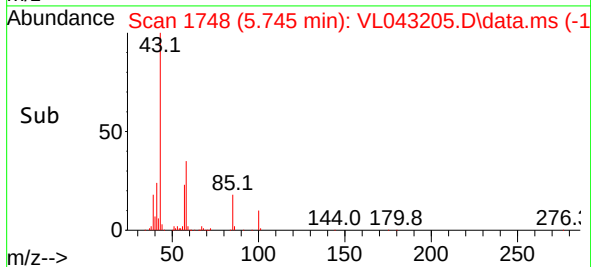
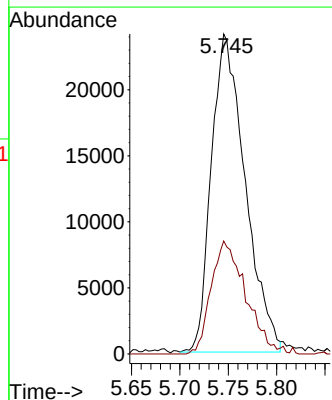
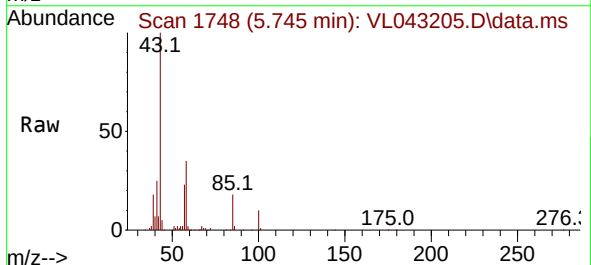
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

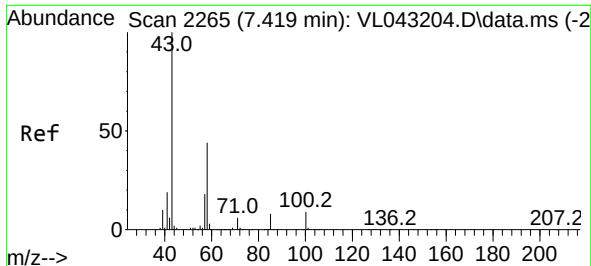
Tgt Ion:173 Resp: 33057
Ion Ratio Lower Upper
173 100
175 46.6 38.6 58.0
171 52.4 40.6 61.0



#50
4-Methyl-2-Pentanone
Concen: 2.066 ppbv
RT: 5.745 min Scan# 1748
Delta R.T. 0.013 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 43 Resp: 58461
Ion Ratio Lower Upper
43 100
58 36.7 28.4 42.6

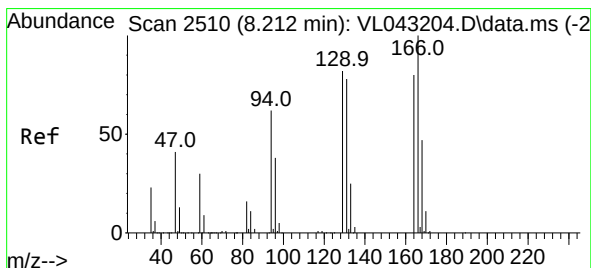
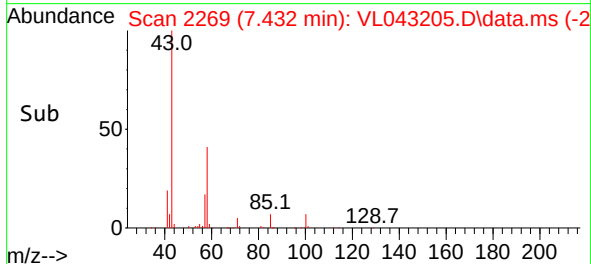
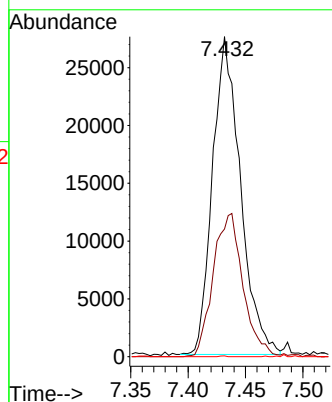
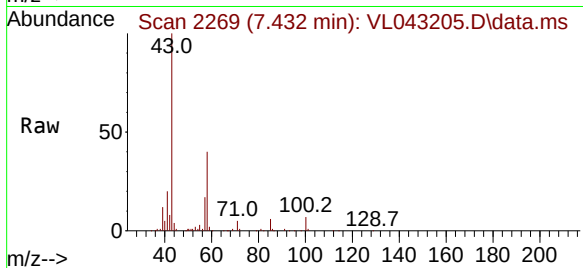




#51
2-Hexanone
Concen: 2.113 ppbv
RT: 7.432 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

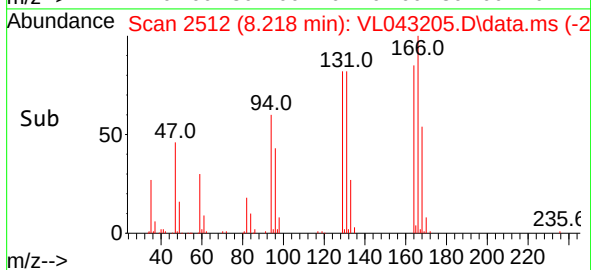
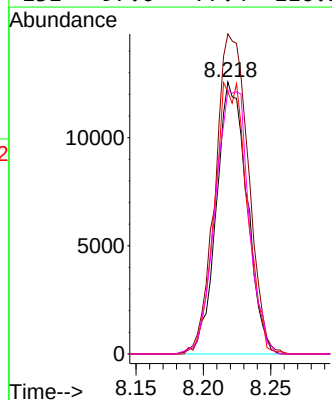
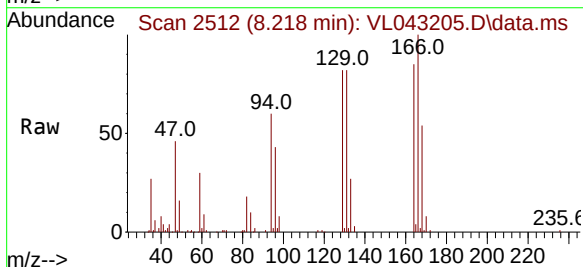
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

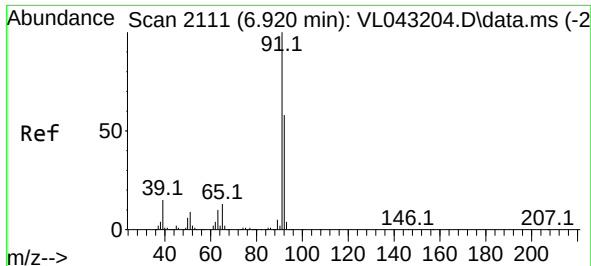
Tgt Ion: 43 Resp: 46444
Ion Ratio Lower Upper
43 100
58 48.4 38.4 57.6
98 0.2 0.0 0.0#



#52
Tetrachloroethene
Concen: 1.958 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 164 Resp: 19856
Ion Ratio Lower Upper
164 100
166 117.2 99.4 149.2
129 96.5 81.8 122.8
131 97.0 77.4 116.2





#53

Toluene

Concen: 2.008 ppbv

RT: 6.927 min Scan# 2111

Delta R.T. 0.006 min

Lab File: VL043205.D

Acq: 18 Nov 2025 10:37

Instrument :

MSVOA_L

ClientSampleId :

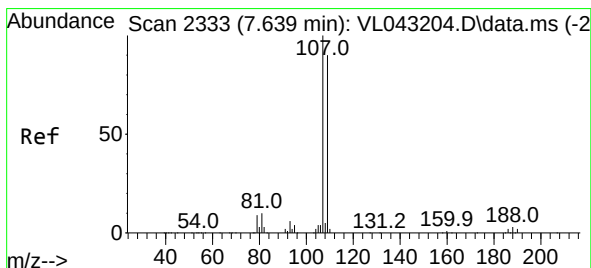
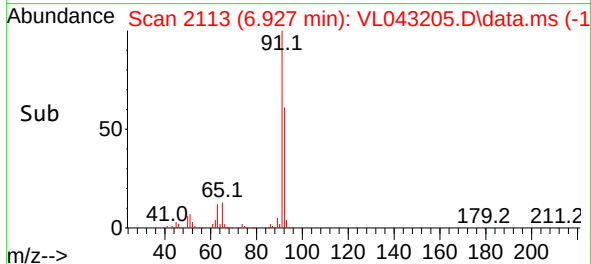
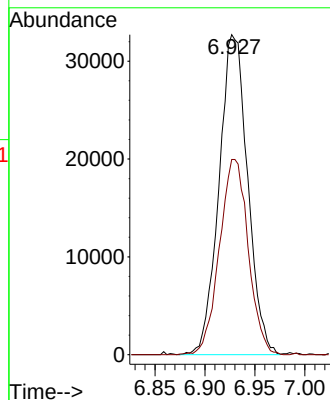
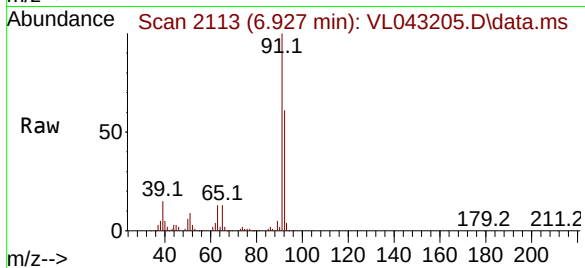
VSTDICC002

Tgt Ion: 91 Resp: 65238

Ion Ratio Lower Upper

91 100

92 61.5 47.4 71.0



#54

1,2-Dibromoethane

Concen: 2.007 ppbv

RT: 7.648 min Scan# 2336

Delta R.T. 0.010 min

Lab File: VL043205.D

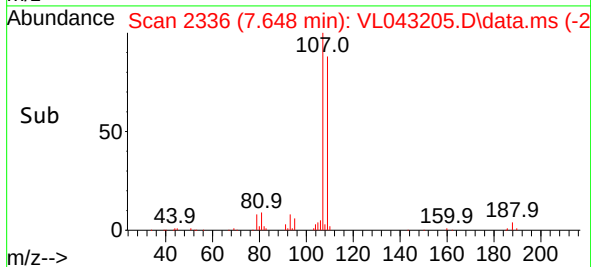
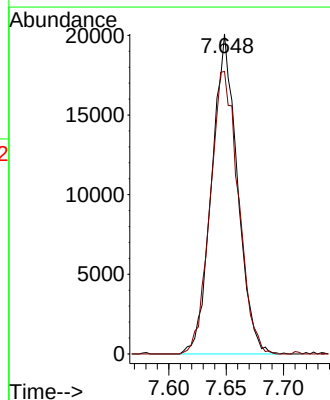
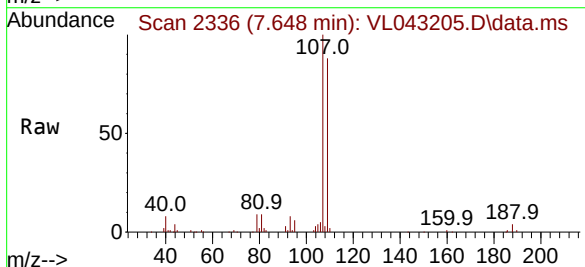
Acq: 18 Nov 2025 10:37

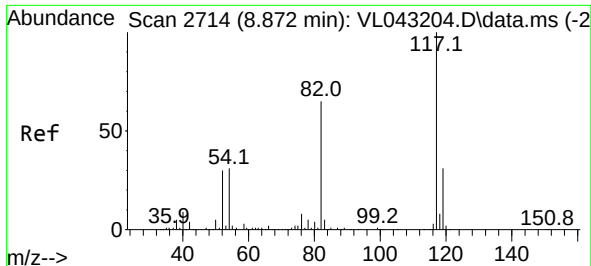
Tgt Ion: 107 Resp: 31266

Ion Ratio Lower Upper

107 100

109 88.3 72.1 108.1

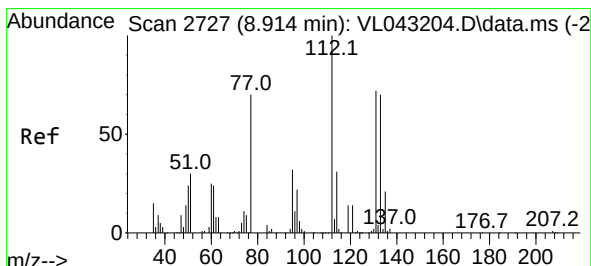
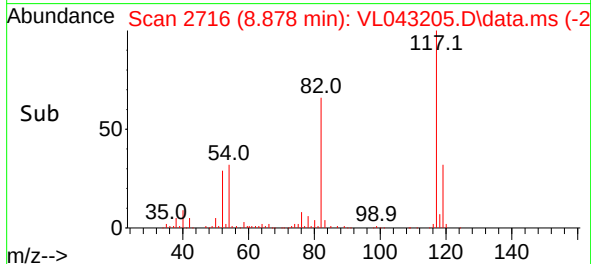
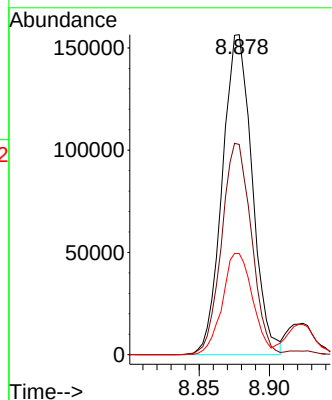
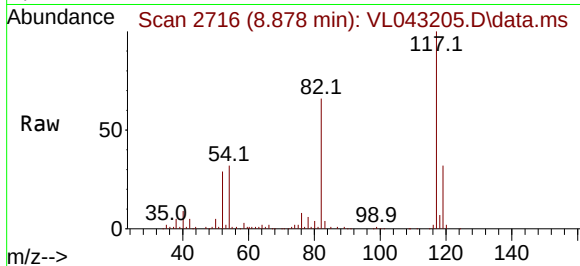




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

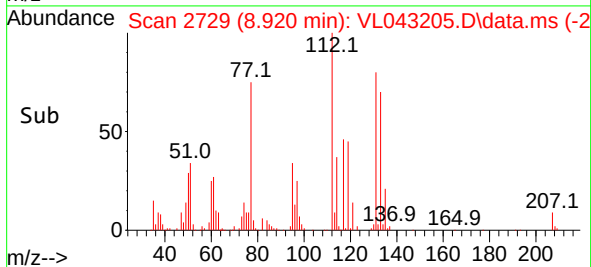
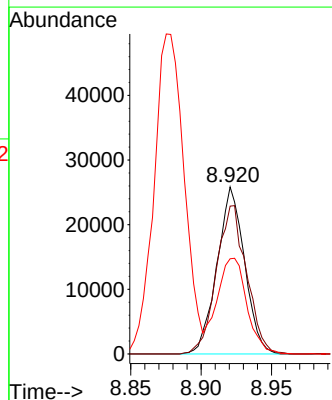
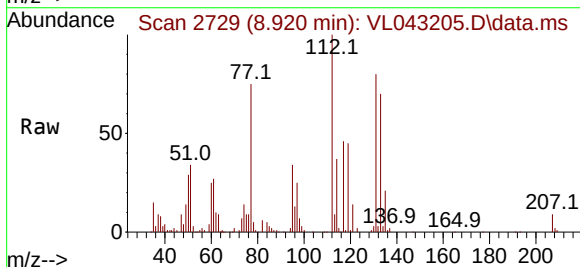
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

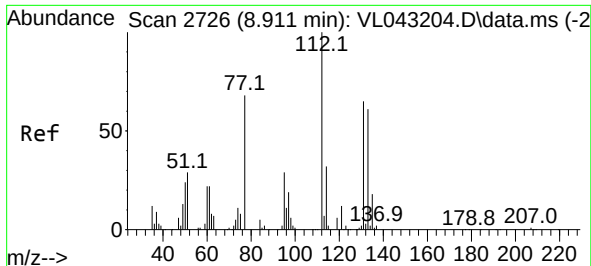
Tgt Ion:117 Resp: 230646
Ion Ratio Lower Upper
117 100
82 67.2 56.1 84.1
119 32.0 25.0 37.6



#56
1,1,1,2-Tetrachloroethane
Concen: 2.071 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:131 Resp: 35099
Ion Ratio Lower Upper
131 100
133 97.4 77.4 116.2
119 60.1 49.1 73.7

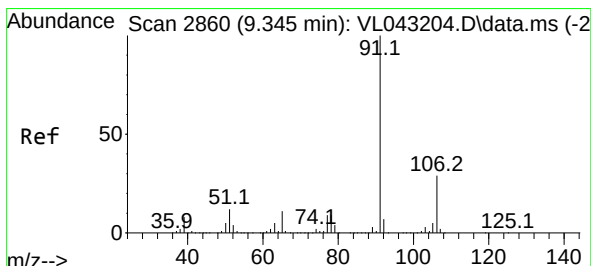
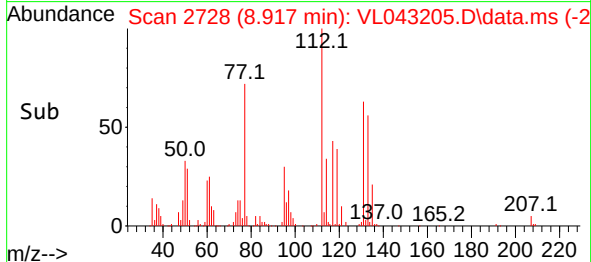
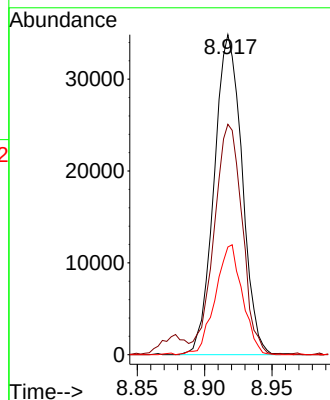
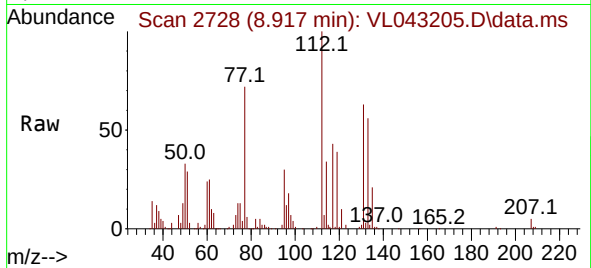




#57
Chlorobenzene
Concen: 2.121 ppbv
RT: 8.917 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

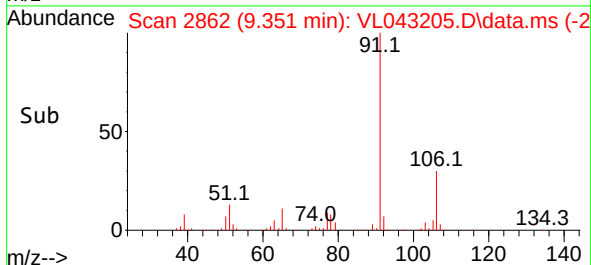
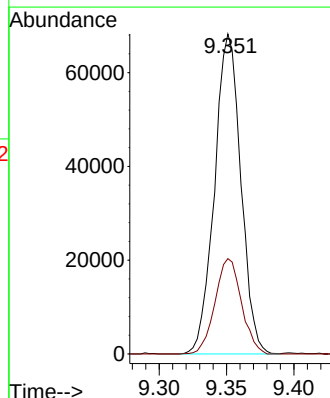
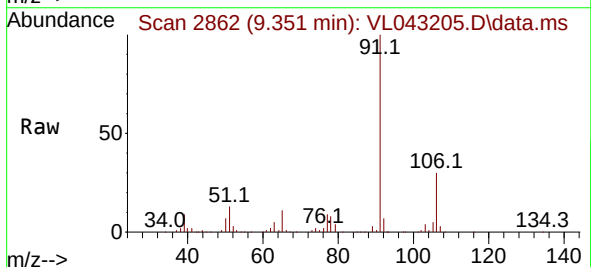
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

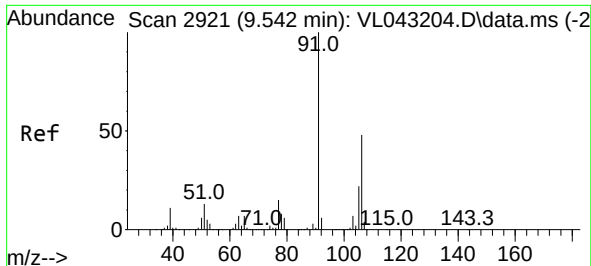
Tgt Ion:112 Resp: 50228
Ion Ratio Lower Upper
112 100
77 71.6 55.5 83.3
114 33.6 29.1 35.5



#58
Ethyl Benzene
Concen: 2.087 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 91 Resp: 92649
Ion Ratio Lower Upper
91 100
106 29.8 22.8 34.2





#59

m/p-Xylene

Concen: 1.838 ppbv

RT: 9.545 min Scan# 29

Delta R.T. 0.003 min

Lab File: VL043205.D

Acq: 18 Nov 2025 10:37

Instrument :

MSVOA_L

ClientSampleId :

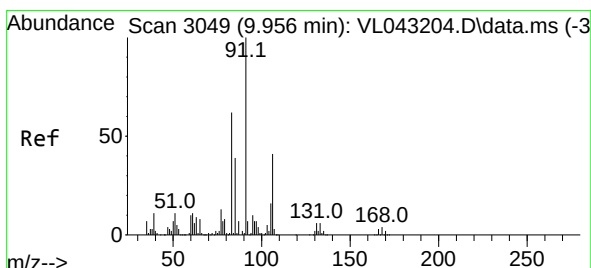
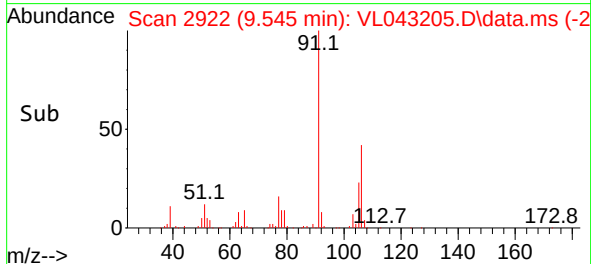
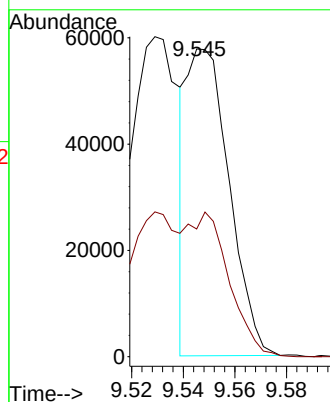
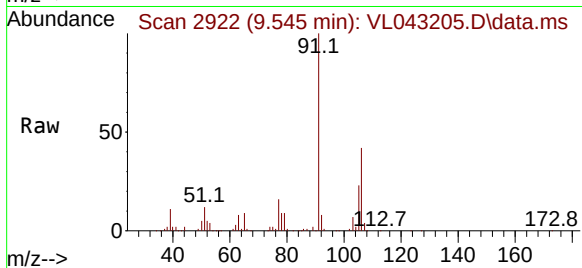
VSTDIC002

Tgt Ion: 91 Resp: 65660

Ion Ratio Lower Upper

91 100

106 0.0 36.1 54.1#



#60

o-Xylene

Concen: 2.153 ppbv

RT: 9.959 min Scan# 3050

Delta R.T. 0.003 min

Lab File: VL043205.D

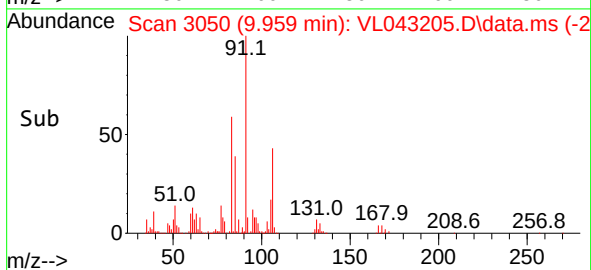
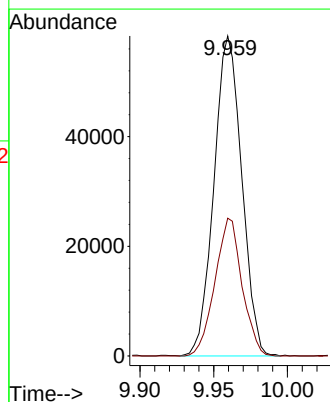
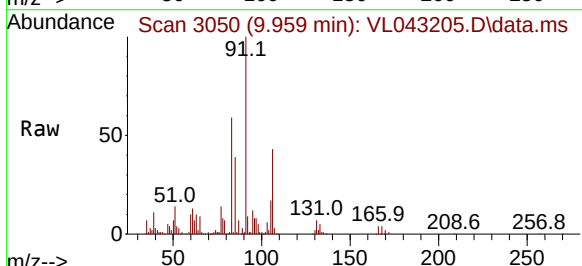
Acq: 18 Nov 2025 10:37

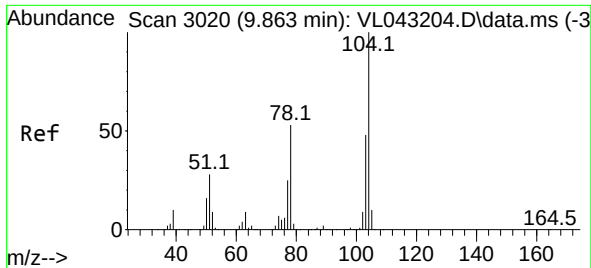
Tgt Ion: 91 Resp: 76540

Ion Ratio Lower Upper

91 100

106 41.9 20.9 62.8





#61

Styrene

Concen: 2.133 ppbv

RT: 9.866 min Scan# 3020

Delta R.T. 0.003 min

Lab File: VL043205.D

Acq: 18 Nov 2025 10:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

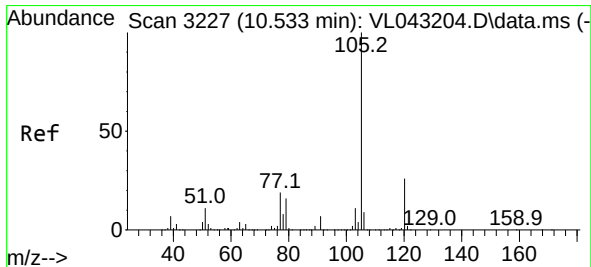
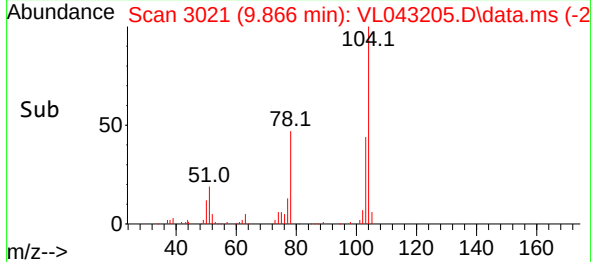
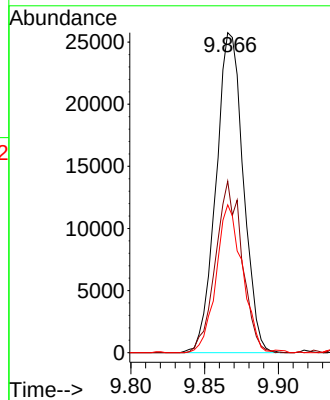
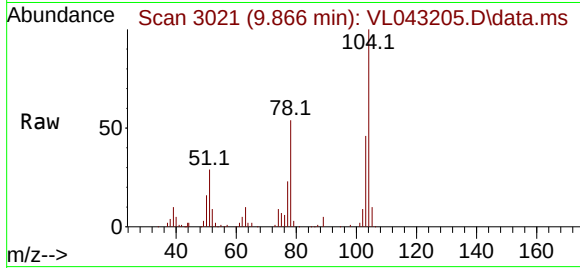
Tgt Ion:104 Resp: 33188

Ion Ratio Lower Upper

104 100

78 52.1 42.1 63.1

103 44.9 37.2 55.8



#62

Isopropylbenzene

Concen: 2.136 ppbv

RT: 10.536 min Scan# 3228

Delta R.T. 0.003 min

Lab File: VL043205.D

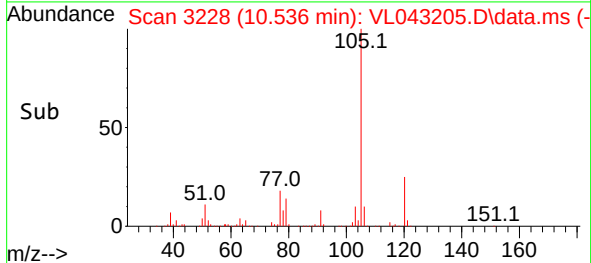
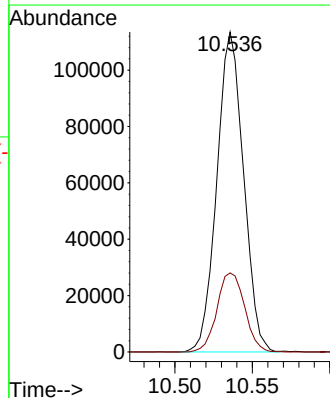
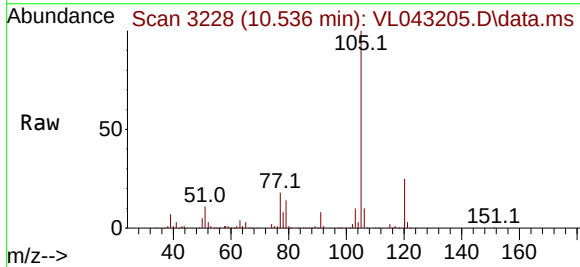
Acq: 18 Nov 2025 10:37

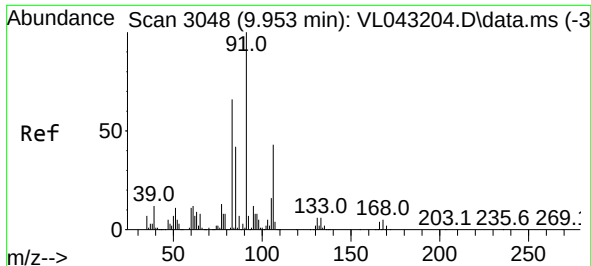
Tgt Ion:105 Resp: 135853

Ion Ratio Lower Upper

105 100

120 25.6 19.8 29.8

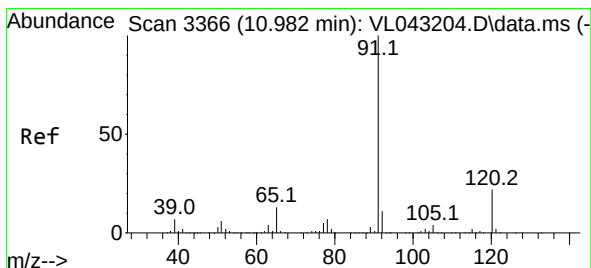
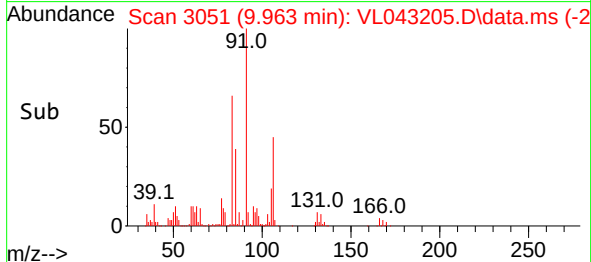
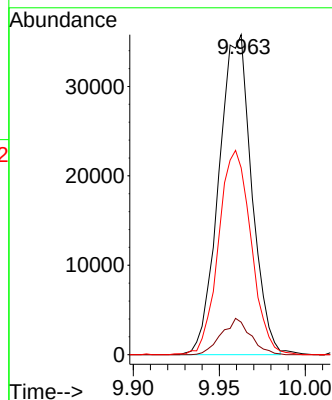
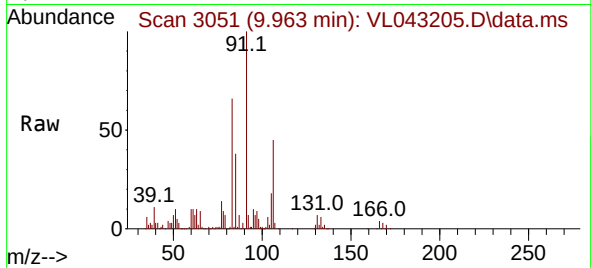




#63
1,1,2,2-Tetrachloroethane
Concen: 2.102 ppbv
RT: 9.963 min Scan# 3048
Delta R.T. 0.010 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

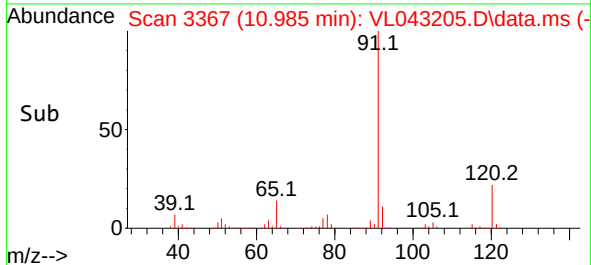
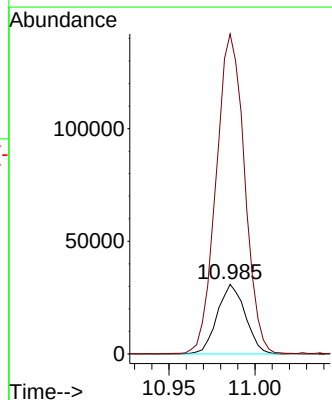
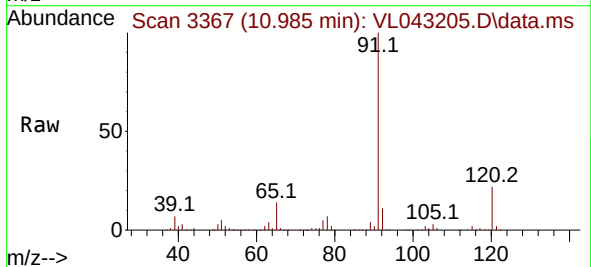
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

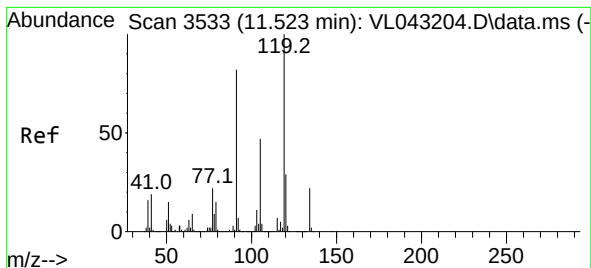
Tgt Ion: 83 Resp: 47439
Ion Ratio Lower Upper
83 100
131 10.0 4.8 14.3
85 63.4 31.9 95.9



#64
n-propylbenzene
Concen: 2.136 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 120 Resp: 34915
Ion Ratio Lower Upper
120 100
91 467.6 377.1 565.7





#65

tert-Butylbenzene

Concen: 2.149 ppbv

RT: 11.529 min Scan# 3533

Delta R.T. 0.006 min

Lab File: VL043205.D

Acq: 18 Nov 2025 10:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

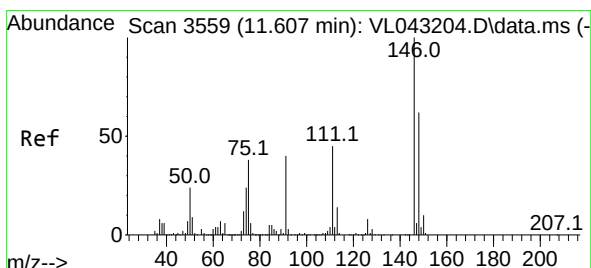
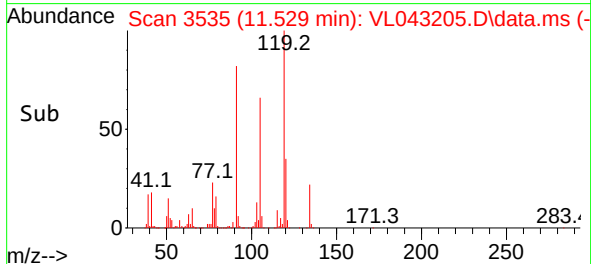
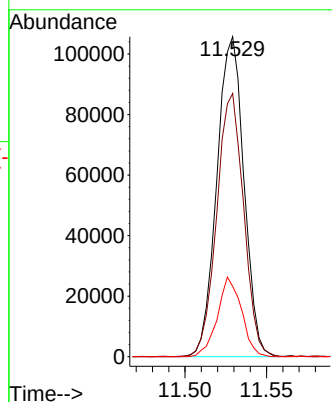
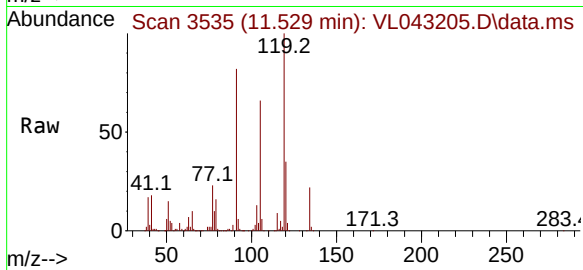
Tgt Ion:119 Resp: 122064

Ion Ratio Lower Upper

119 100

91 82.0 65.3 97.9

134 22.1 17.0 25.4



#66

Benzyl Chloride

Concen: 2.059 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. 0.003 min

Lab File: VL043205.D

Acq: 18 Nov 2025 10:37

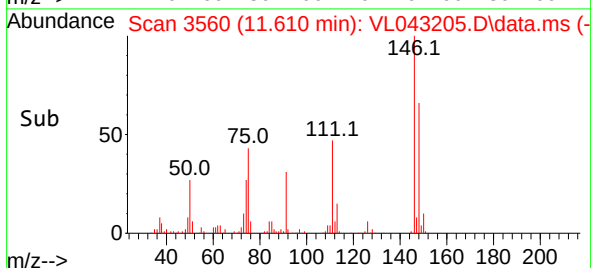
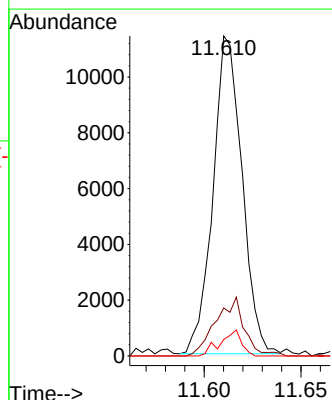
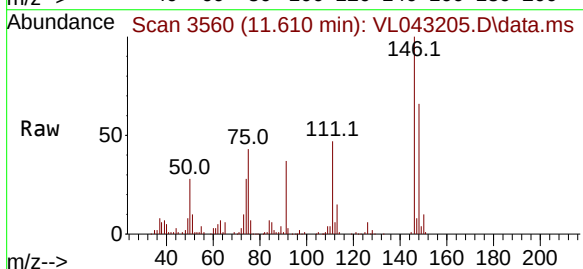
Tgt Ion: 91 Resp: 11870

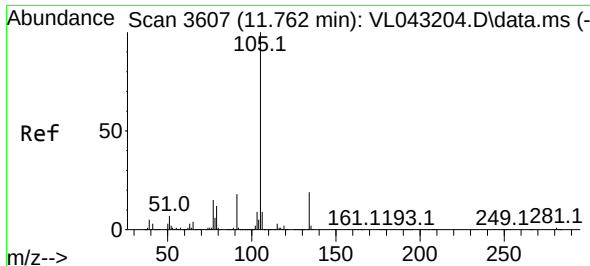
Ion Ratio Lower Upper

91 100

126 18.3 14.4 21.6

128 5.9 4.6 6.8

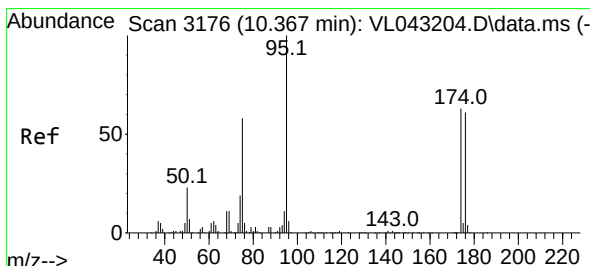
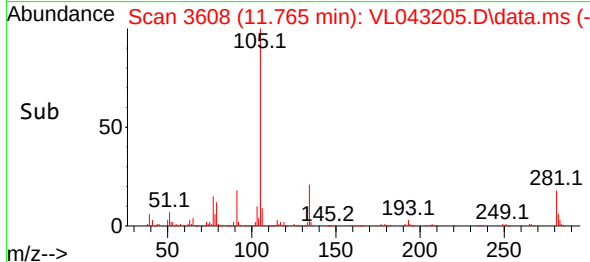
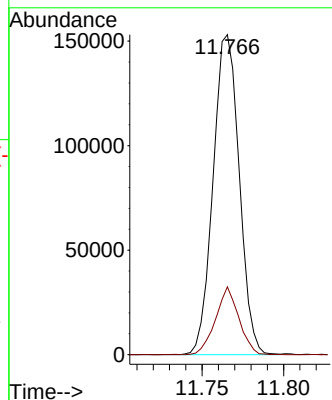
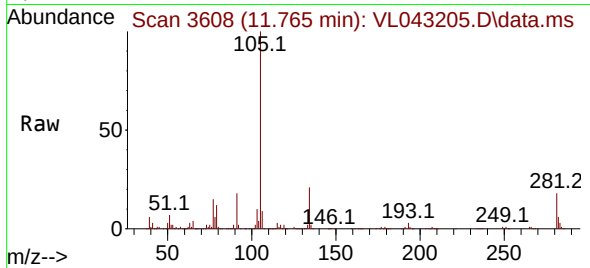




#67
 sec-Butylbenzene
 Concen: 2.151 ppbv
 RT: 11.765 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: VL043205.D
 Acq: 18 Nov 2025 10:37

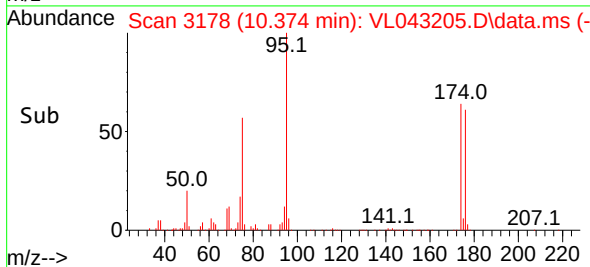
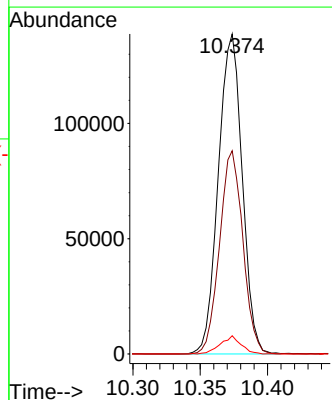
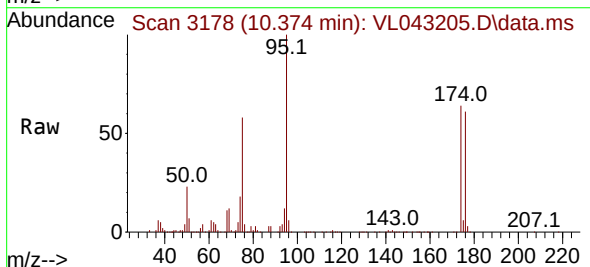
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

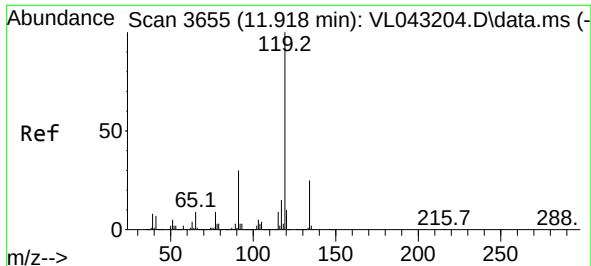
Tgt Ion:105 Resp: 170529
 Ion Ratio Lower Upper
 105 100
 134 18.9 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.115 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. 0.006 min
 Lab File: VL043205.D
 Acq: 18 Nov 2025 10:37

Tgt Ion: 95 Resp: 171009
 Ion Ratio Lower Upper
 95 100
 174 62.1 50.2 75.2
 175 4.9 4.1 6.1

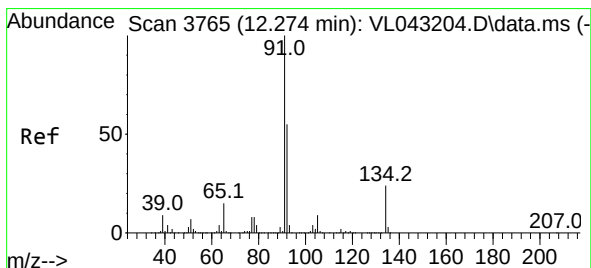
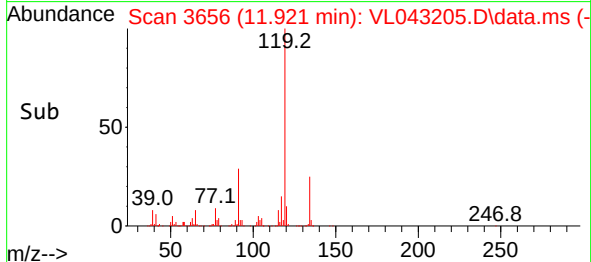
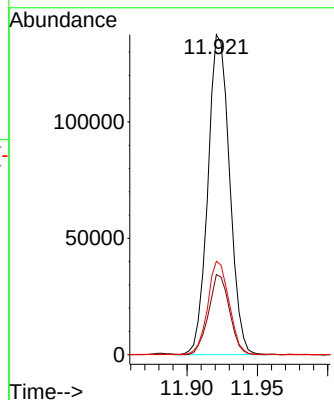
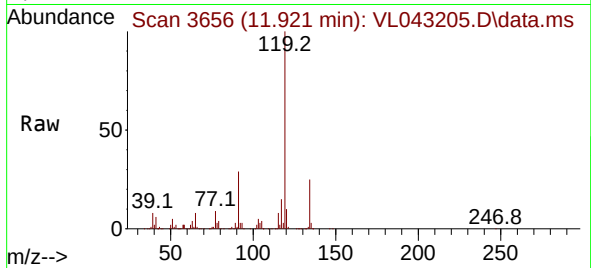




#69
p-Isopropyltoluene
Concen: 2.195 ppbv
RT: 11.921 min Scan# 3656
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

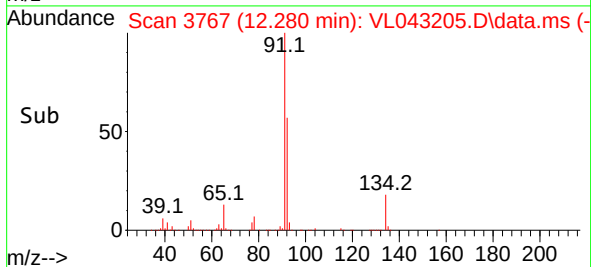
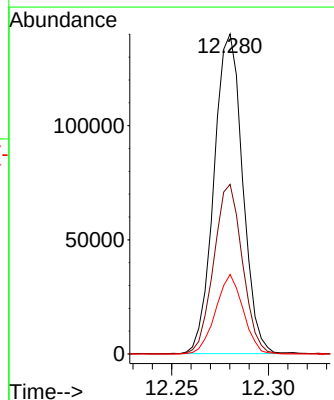
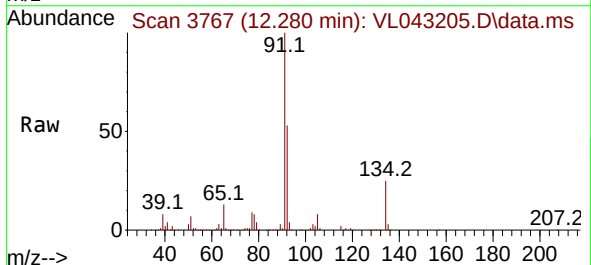
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

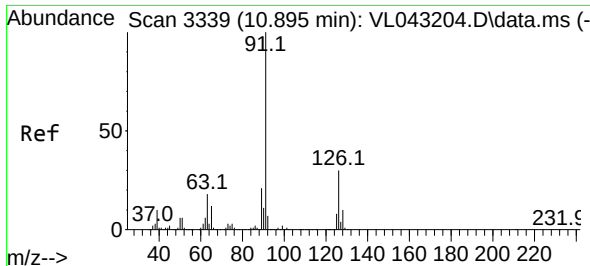
Tgt Ion:119 Resp: 147482
Ion Ratio Lower Upper
119 100
134 24.2 20.2 30.2
91 29.1 23.8 35.8



#70
n-Butylbenzene
Concen: 2.212 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 91 Resp: 144148
Ion Ratio Lower Upper
91 100
92 53.3 43.5 65.3
134 23.8 19.0 28.6

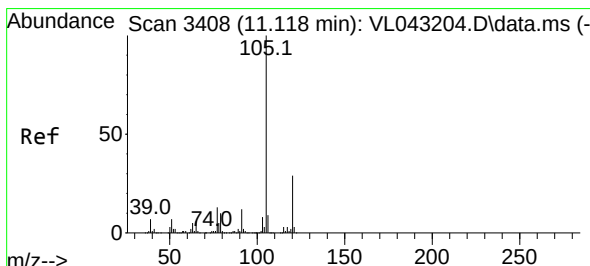
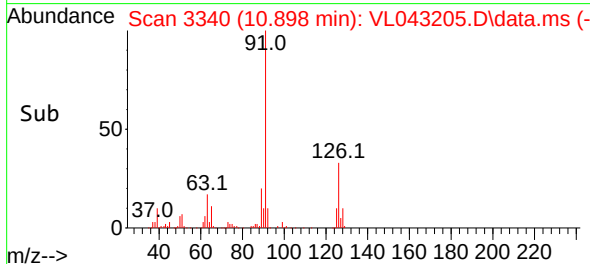
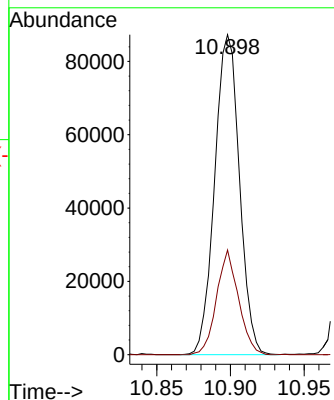
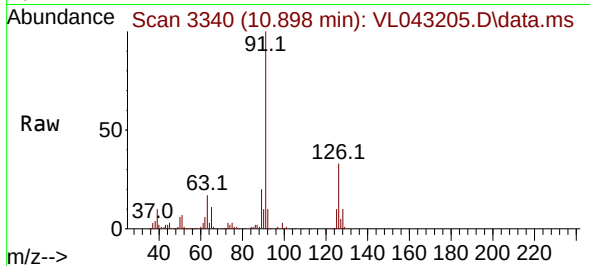




#71
2-Chlorotoluene
Concen: 2.085 ppbv
RT: 10.898 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

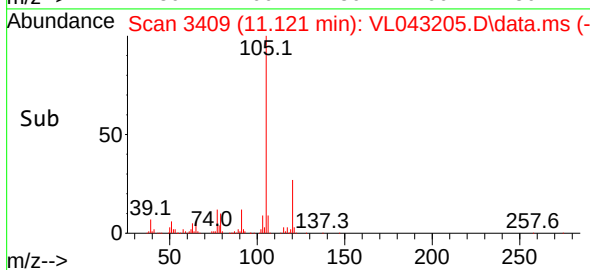
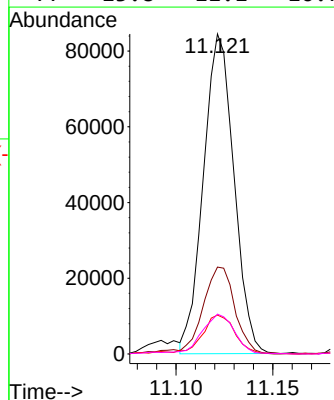
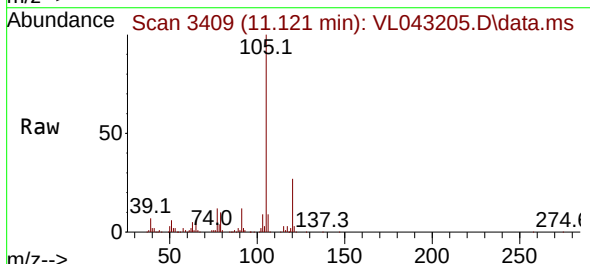
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

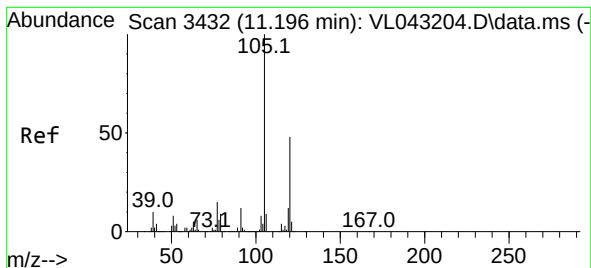
Tgt Ion: 91 Resp: 101951
Ion Ratio Lower Upper
91 100
126 29.0 11.7 46.7



#72
4-Ethyltoluene
Concen: 2.140 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 105 Resp: 92654
Ion Ratio Lower Upper
105 100
120 29.1 23.8 35.8
91 13.7 10.3 15.5
77 13.8 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 2.110 ppbv

RT: 11.202 min Scan# 3434

Delta R.T. 0.006 min

Lab File: VL043205.D

Acq: 18 Nov 2025 10:37

Instrument :

MSVOA_L

ClientSampleId :

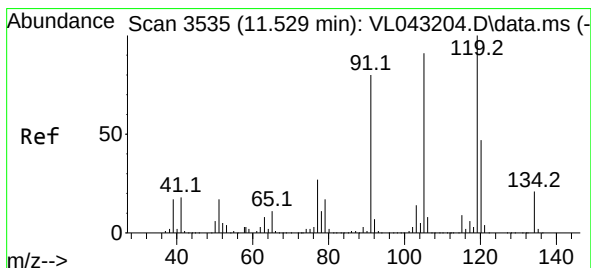
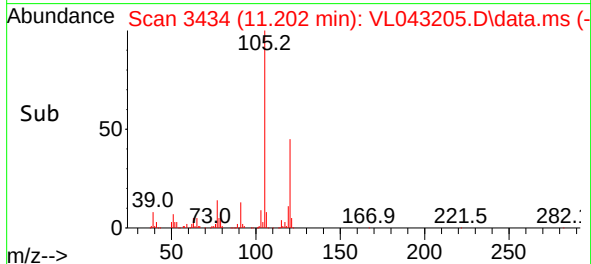
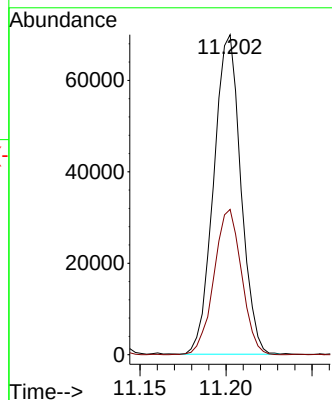
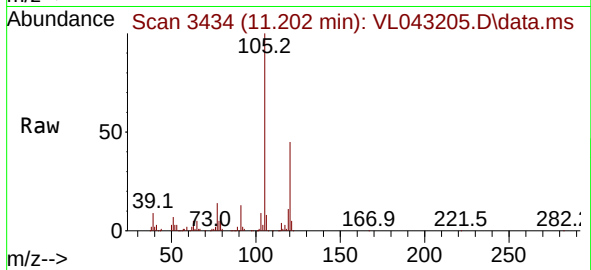
VSTDIC002

Tgt Ion:105 Resp: 76655

Ion Ratio Lower Upper

105 100

120 45.5 38.6 57.8



#74

1,2,4-Trimethylbenzene

Concen: 2.176 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. 0.003 min

Lab File: VL043205.D

Acq: 18 Nov 2025 10:37

Tgt Ion:105 Resp: 86286

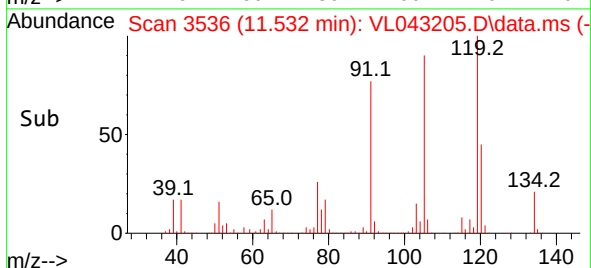
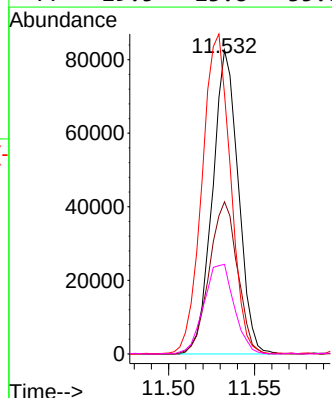
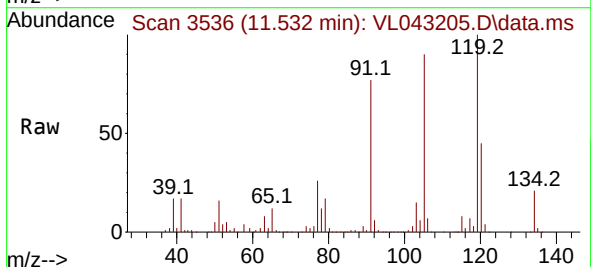
Ion Ratio Lower Upper

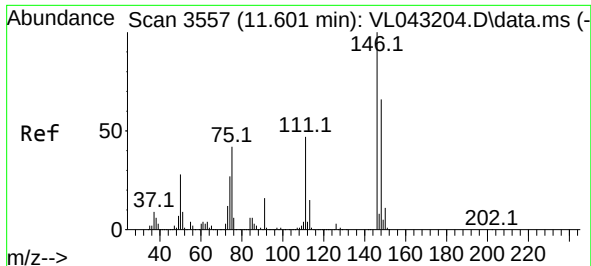
105 100

120 50.0 41.7 62.5

91 85.2 70.0 105.0

77 29.5 23.8 35.8

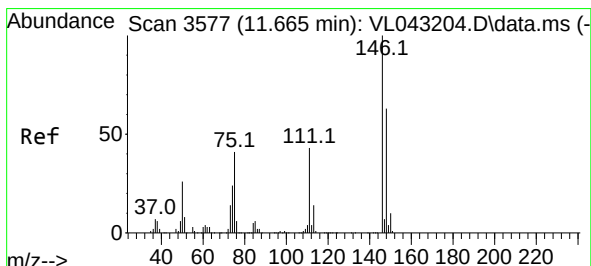
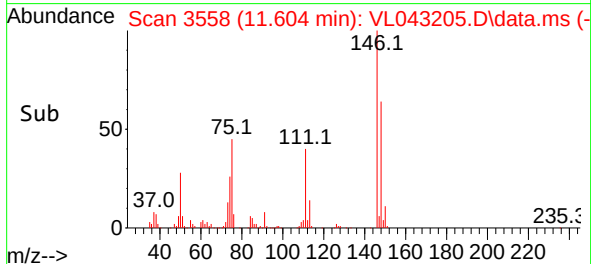
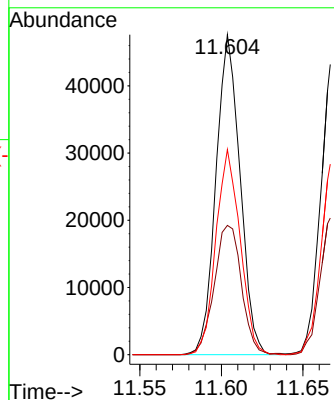
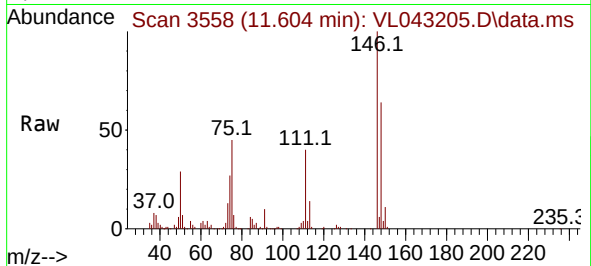




#75
1,3-Dichlorobenzene
Concen: 2.116 ppbv
RT: 11.604 min Scan# 3557
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

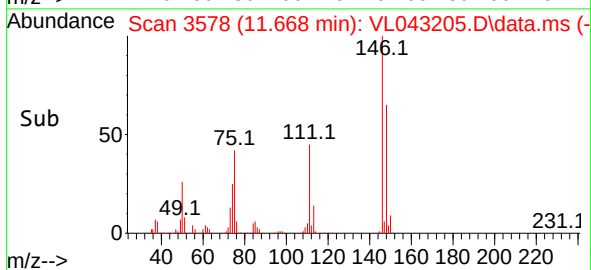
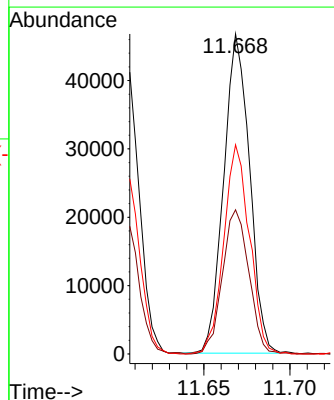
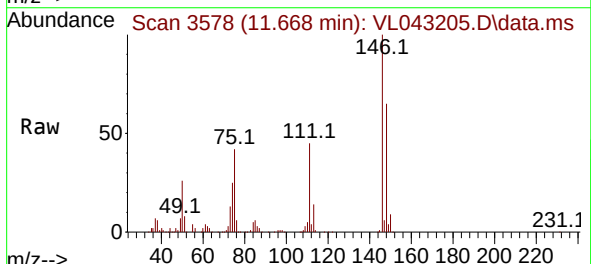
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

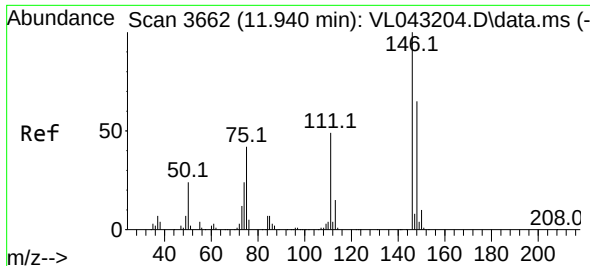
Tgt Ion:146 Resp: 48961
Ion Ratio Lower Upper
146 100
111 45.7 23.4 70.3
148 64.6 31.6 95.0



#76
1,4-Dichlorobenzene
Concen: 2.112 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:146 Resp: 48881
Ion Ratio Lower Upper
146 100
111 46.3 22.8 68.3
148 65.3 31.8 95.4

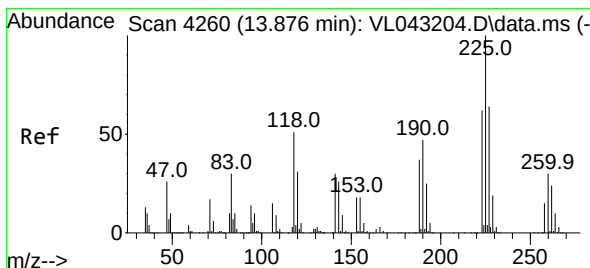
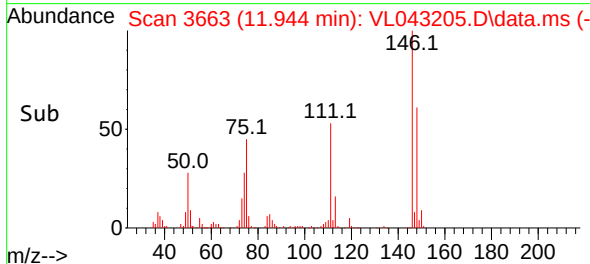
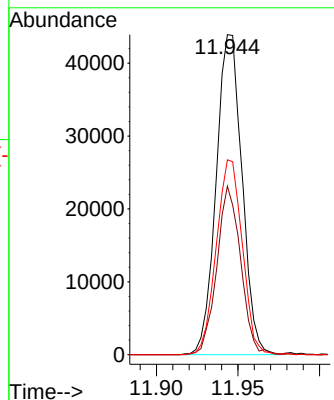
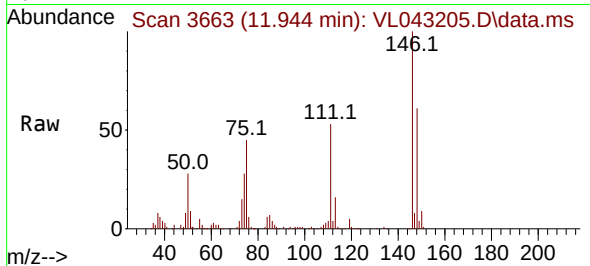




#77
1,2-Dichlorobenzene
Concen: 2.177 ppbv
RT: 11.944 min Scan# 3663
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

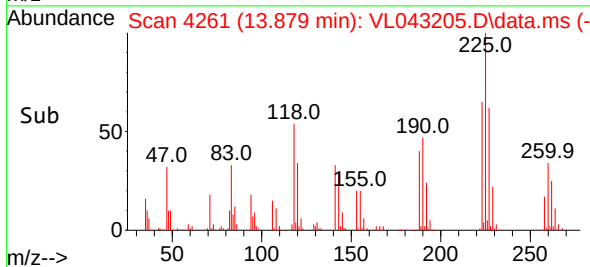
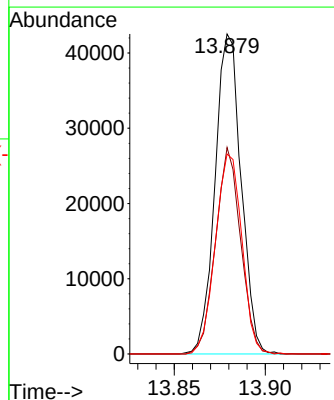
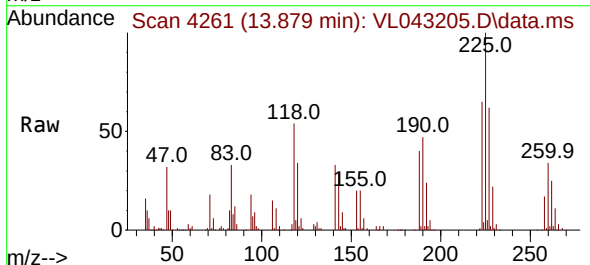
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

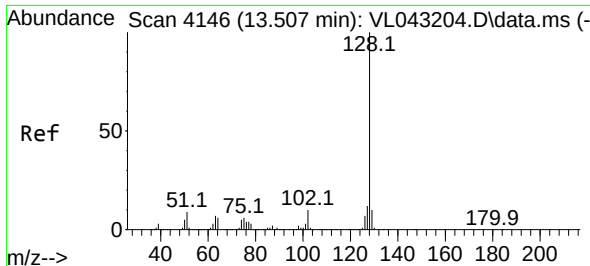
Tgt Ion:146 Resp: 48431
Ion Ratio Lower Upper
146 100
111 48.5 24.3 73.0
148 61.3 31.6 94.7



#78
Hexachloro-1,3-Butadiene
Concen: 2.287 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:225 Resp: 42456
Ion Ratio Lower Upper
225 100
223 62.1 50.2 75.4
227 63.4 51.1 76.7

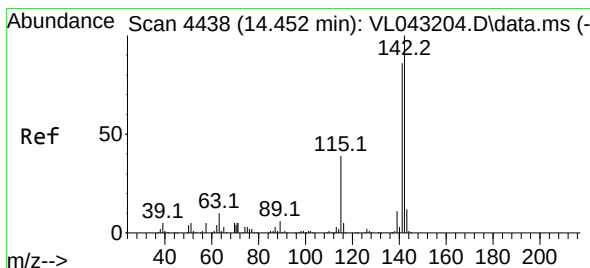
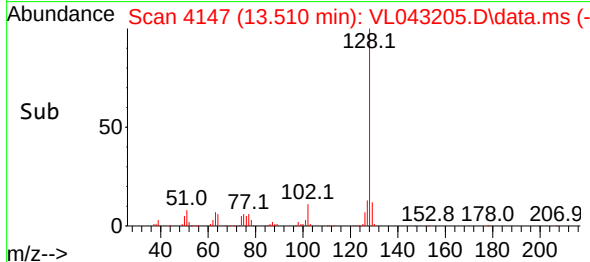
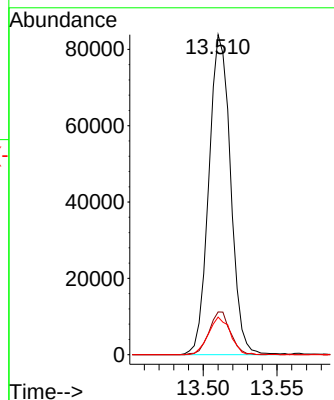
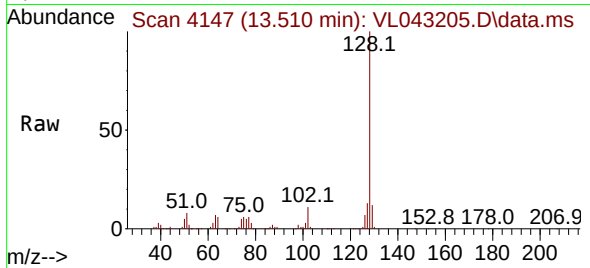




#79
Naphthalene
Concen: 2.436 ppbv
RT: 13.510 min Scan# 4146
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

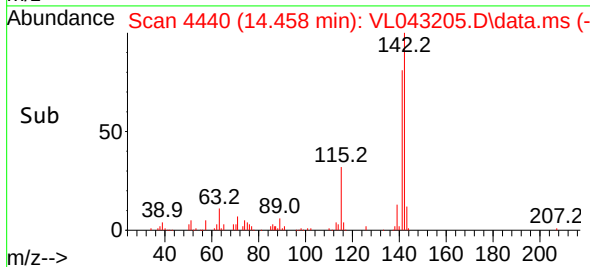
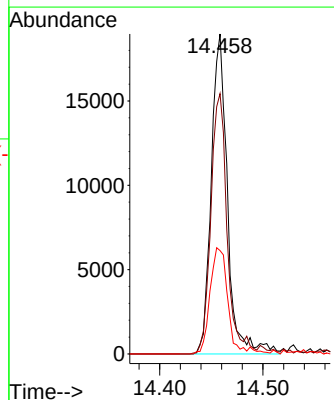
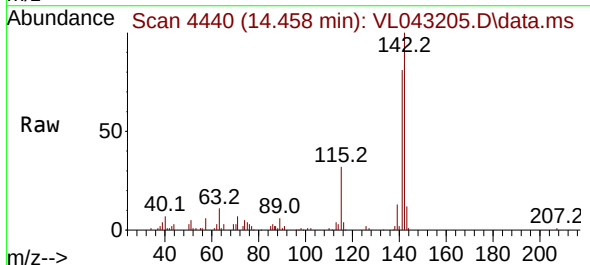
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

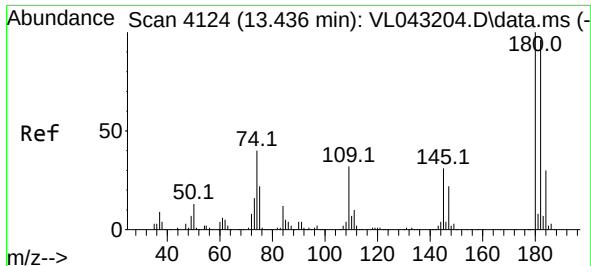
Tgt Ion:128 Resp: 85788
Ion Ratio Lower Upper
128 100
127 13.3 9.9 14.9
129 11.7 8.4 12.6



#80
Naphthalene,2-methyl-
Concen: 2.237 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:142 Resp: 20685
Ion Ratio Lower Upper
142 100
141 82.9 67.1 100.7
115 36.9 31.9 47.9





#81

1,2,4-Trichlorobenzene

Concen: 2.382 ppbv

RT: 13.439 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043205.D

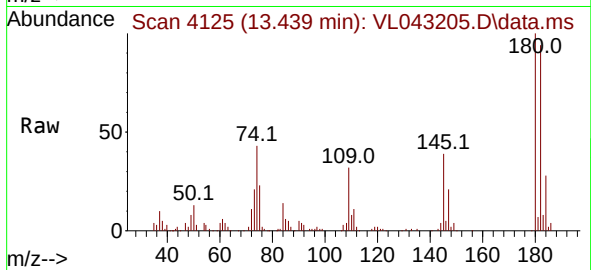
Acq: 18 Nov 2025 10:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002



Tgt Ion:180 Resp: 37521

Ion Ratio Lower Upper

180 100

182 95.8 77.4 116.2

184 30.4 24.2 36.4

