

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043203.D
 Acq On : 18 Nov 2025 09:29
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: Nov 19 00:48:47 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	2.784	49	110490	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	296493	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	247761	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	180529	9.941	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.400%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.496	85	7723	0.496	ppbv	99
3) Chlorodifluoromethane	1.473	51	8538	0.557	ppbv #	82
4) Chloromethane	1.531	50	2881	0.494	ppbv	94
5) Vinyl Chloride	1.580	62	2947	0.462	ppbv #	87
6) Bromomethane	1.667	94	1656	0.536	ppbv	97
7) Chloroethane	1.703	64	1357	0.547	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	6386	0.493	ppbv	100
9) Propene	1.483	41	3739	0.526	ppbv #	1
10) Heptane	4.972	43	5844	0.300	ppbv #	28
11) Trichlorofluoromethane	1.878	101	6841	0.453	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.140	101	5863	0.497	ppbv	99
13) Ethanol	1.719	45	1190	0.520	ppbv	64
14) Bromoethene	1.781	108	2476	0.548	ppbv #	75
15) Acetone	1.836	43	9506	0.619	ppbv #	88
16) 1,3-Butadiene	1.606	39	4115	0.601	ppbv	95
17) tert-Butyl alcohol	2.043	59	9854	0.489	ppbv #	68
18) 1,1-Dichloroethene	2.033	96	3068	0.559	ppbv	96
19) Isopropyl Alcohol	1.887	45	4687	0.540	ppbv #	51
20) Methylene Chloride	2.059	84	5006	0.349	ppbv	92
21) Allyl Chloride	2.095	41	6291	0.609	ppbv	95
22) trans-1,2-Dichloroethene	2.337	96	3343	0.533	ppbv	80
23) Vinyl Acetate	2.464	43	10414	0.562	ppbv #	92
24) 1,1-Dichloroethane	2.409	63	5803	0.479	ppbv #	96
25) Ethyl Acetate	2.839	43	13478	0.406	ppbv #	84
26) Hexane	2.823	57	7589	0.523	ppbv #	91
27) Carbon Disulfide	2.150	76	7198	0.486	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	3545	0.498	ppbv #	15
29) Chloroform	2.849	83	10800	0.523	ppbv	95
30) Cyclohexane	3.849	84	6271	0.515	ppbv	85
31) cis-1,2-Dichloroethene	2.719	61	7728	0.536	ppbv	87
32) 1,1,1-Trichloroethane	3.363	97	10886	0.490	ppbv	98
34) 2-Butanone	2.557	43	11026	0.527	ppbv	95
35) Carbon Tetrachloride	3.761	117	11551	0.513	ppbv	94
36) Benzene	3.655	78	14759	0.520	ppbv #	91
37) 1,2-Dichloroethane	3.218	62	8477	0.510	ppbv #	93
38) Trichloroethene	4.542	130	5775	0.519	ppbv #	87
39) 1,2-Dichloropropane	4.312	63	5510	0.530	ppbv #	80
40) 1,4-Dioxane	4.597	88	1334	0.286	ppbv #	40
41) Tetrahydrofuran	3.059	42	6193	0.536	ppbv	95
42) Bromodichloromethane	4.490	83	11597	0.506	ppbv #	84
43) Methyl Methacrylate	4.865	69	2151	0.143	ppbv #	1
44) 2,2,4-Trimethylpentane	4.642	57	25890	0.531	ppbv	95
45) t-1,3-Dichloropropene	6.412	75	7343	0.523	ppbv	94

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

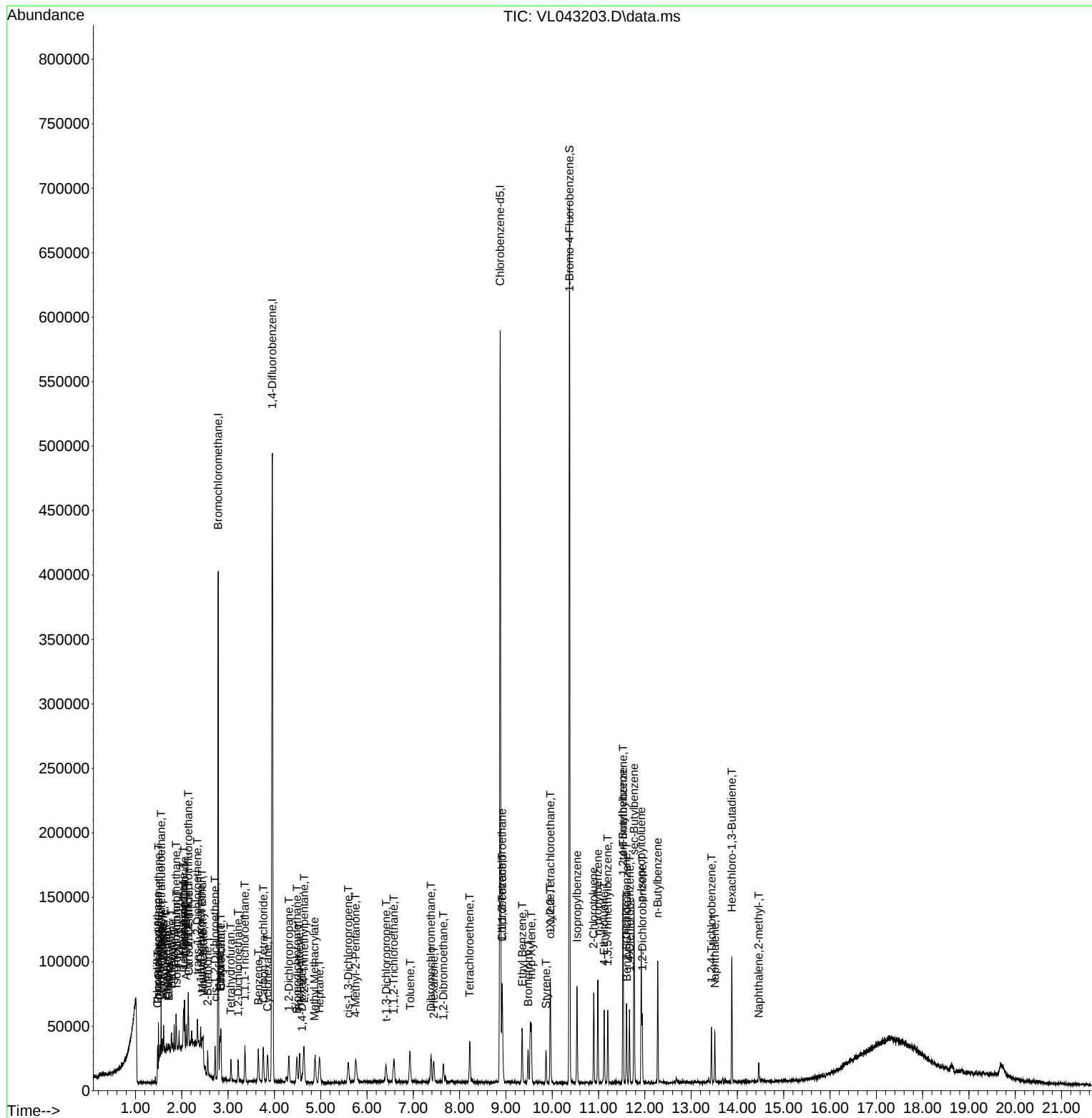
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 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

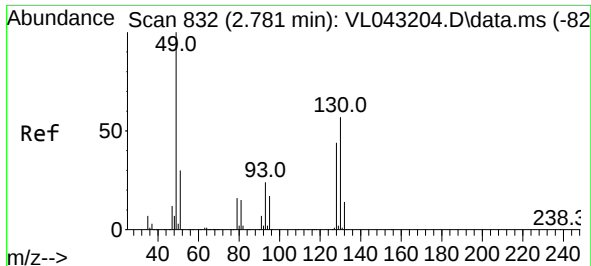
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 00:48:15 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	7004	0.425	ppbv #	87
47) 1,1,2-Trichloroethane	6.581	97	3211	0.290	ppbv #	64
48) Dibromochloromethane	7.380	129	9327	0.492	ppbv	97
49) Bromoform	9.481	173	8636	0.514	ppbv	100
50) 4-Methyl-2-Pentanone	5.755	43	15190	0.515	ppbv	92
51) 2-Hexanone	7.442	43	11594	0.506	ppbv #	93
52) Tetrachloroethene	8.218	164	5097	0.483	ppbv #	82
53) Toluene	6.933	91	6863	0.203	ppbv #	21
54) 1,2-Dibromoethane	7.649	107	8708	0.537	ppbv	90
56) 1,1,1,2-Tetrachloroethane	8.917	131	5419	0.298	ppbv #	34
57) Chlorobenzene	8.917	112	12818	0.504	ppbv	98
58) Ethyl Benzene	9.351	91	23866	0.500	ppbv	96
59) m/p-Xylene	9.549	91	19470	0.507	ppbv #	24
60) o-Xylene	9.956	91	19621	0.514	ppbv	100
61) Styrene	9.869	104	8287	0.496	ppbv	96
62) Isopropylbenzene	10.536	105	34773	0.509	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.960	83	12591	0.519	ppbv	100
64) n-propylbenzene	10.986	120	8945	0.509	ppbv	100
65) tert-Butylbenzene	11.526	119	31998	0.524	ppbv	99
66) Benzyl Chloride	11.610	91	3403	0.550	ppbv	98
67) sec-Butylbenzene	11.766	105	44448	0.522	ppbv	97
69) p-Isopropyltoluene	11.921	119	37087	0.514	ppbv	100
70) n-Butylbenzene	12.277	91	33153	0.474	ppbv	94
71) 2-Chlorotoluene	10.895	91	27224	0.518	ppbv	99
72) 4-Ethyltoluene	11.122	105	23963	0.515	ppbv	97
73) 1,3,5-Trimethylbenzene	11.199	105	20104	0.515	ppbv	99
74) 1,2,4-Trimethylbenzene	11.533	105	22254	0.522	ppbv	91
75) 1,3-Dichlorobenzene	11.604	146	12926	0.520	ppbv	98
76) 1,4-Dichlorobenzene	11.672	146	13076	0.526	ppbv	98
77) 1,2-Dichlorobenzene	11.947	146	12069	0.505	ppbv	97
78) Hexachloro-1,3-Butadiene	13.879	225	10578	0.530	ppbv	98
79) Naphthalene	13.513	128	18377	0.486	ppbv	97
80) Naphthalene,2-methyl-	14.462	142	4917	0.495	ppbv	91
81) 1,2,4-Trichlorobenzene	13.439	180	6798	0.402	ppbv	97

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

Quant Time: Nov 19 00:48:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

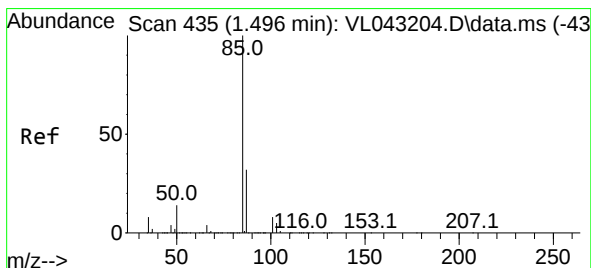
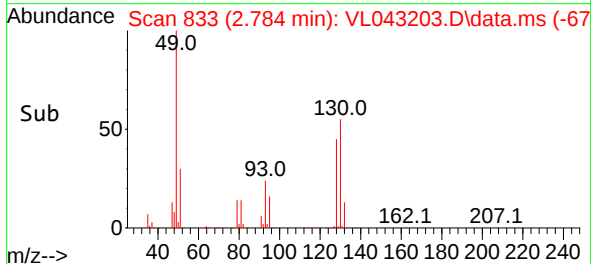
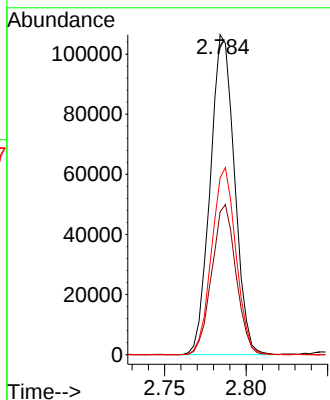
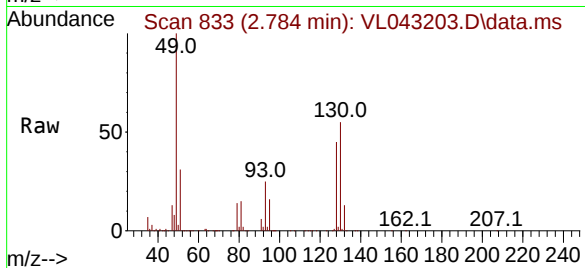




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

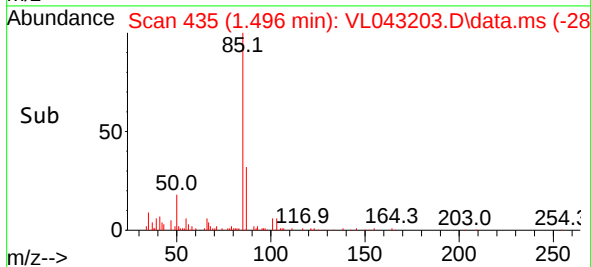
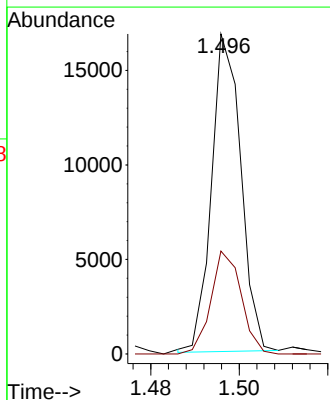
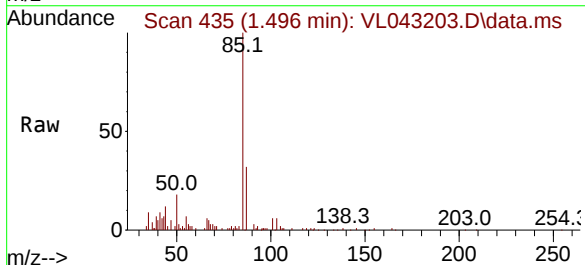
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

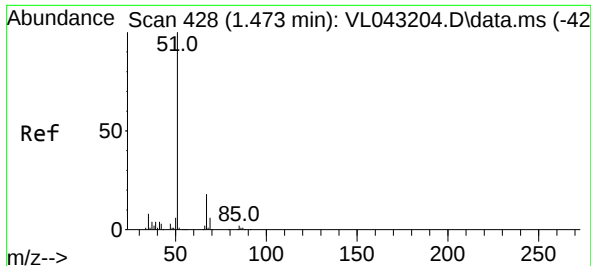
Tgt Ion: 49 Resp: 110490
Ion Ratio Lower Upper
49 100
128 46.6 23.0 69.0
130 58.4 29.9 89.7



#2
Dichlorodifluoromethane
Concen: 0.496 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.000 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 85 Resp: 7723
Ion Ratio Lower Upper
85 100
87 32.5 25.4 38.2

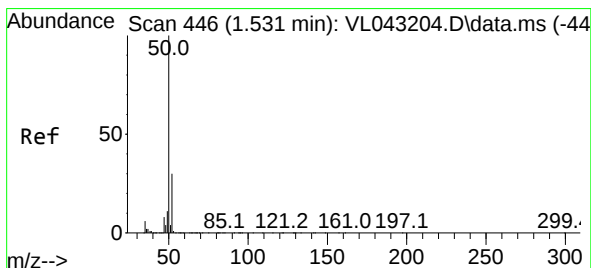
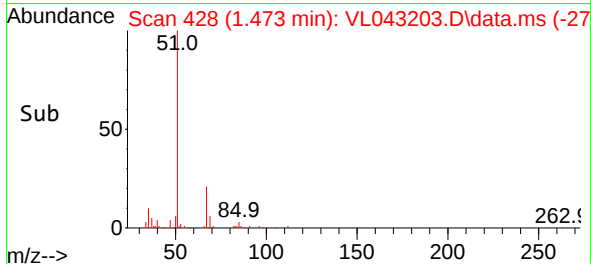
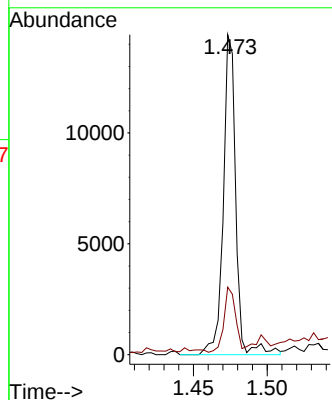
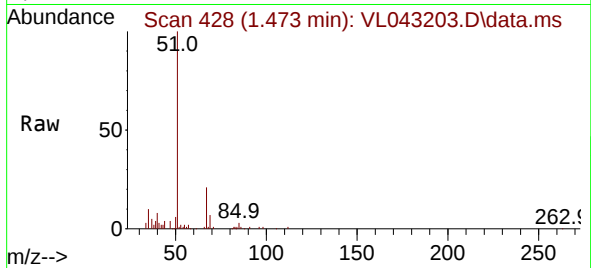




#3
Chlorodifluoromethane
Concen: 0.557 ppbv
RT: 1.473 min Scan# 428
Delta R.T. 0.000 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

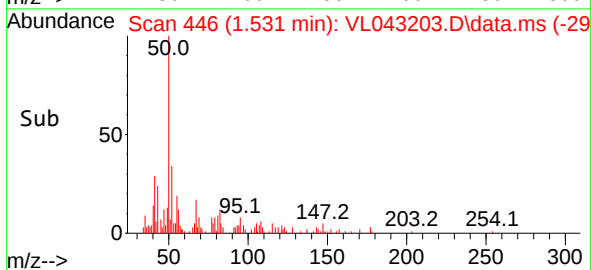
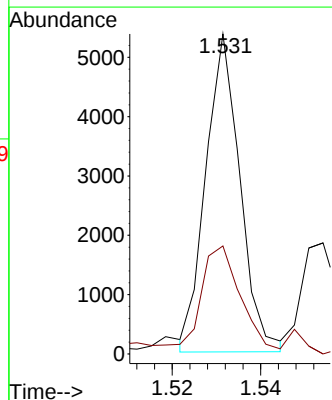
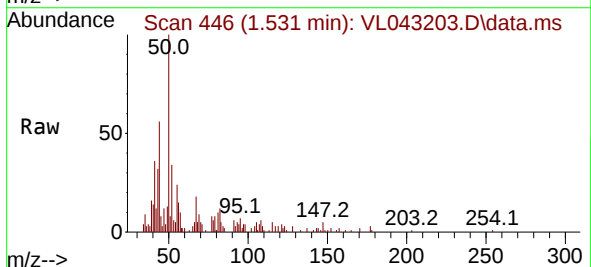
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

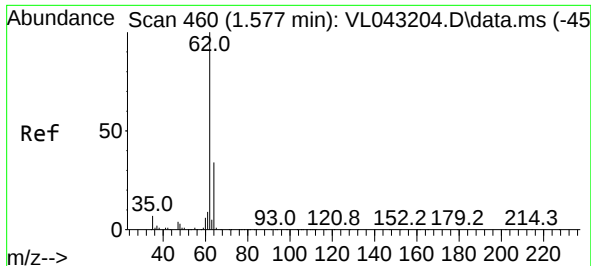
Tgt Ion: 51 Resp: 8538
Ion Ratio Lower Upper
51 100
67 26.4 14.9 22.3#



#4
Chloromethane
Concen: 0.494 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 50 Resp: 2881
Ion Ratio Lower Upper
50 100
52 33.5 24.1 36.1

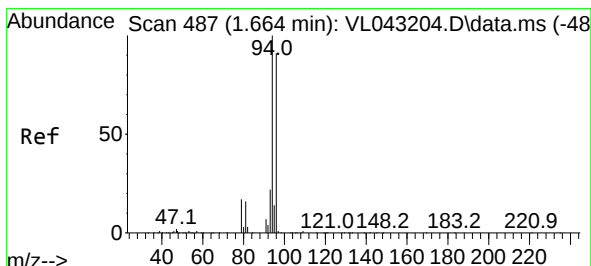
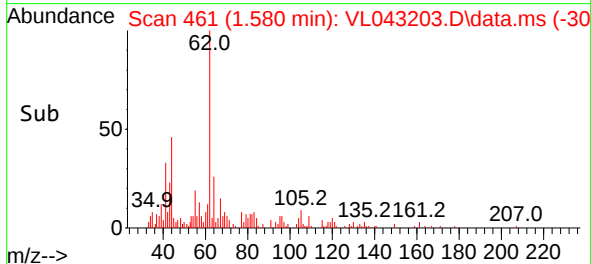
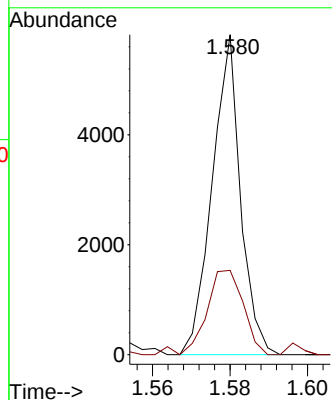
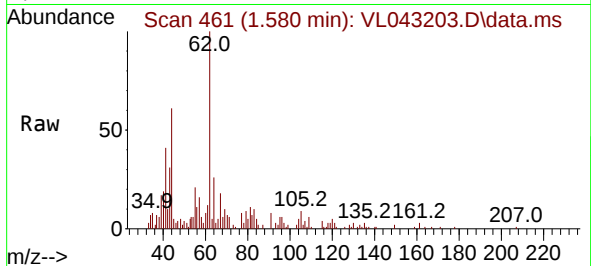




#5
 Vinyl Chloride
 Concen: 0.462 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL043203.D
 Acq: 18 Nov 2025 09:29

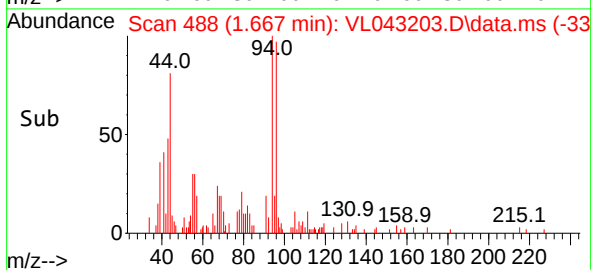
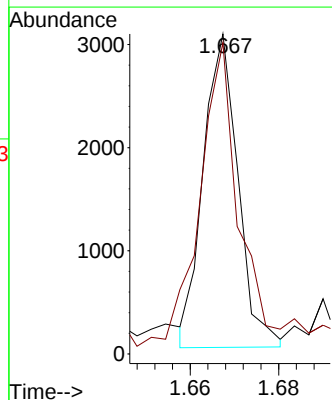
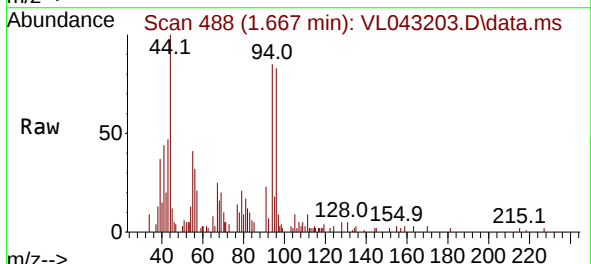
Instrument :
 MSVOA_1
 ClientSampleId :
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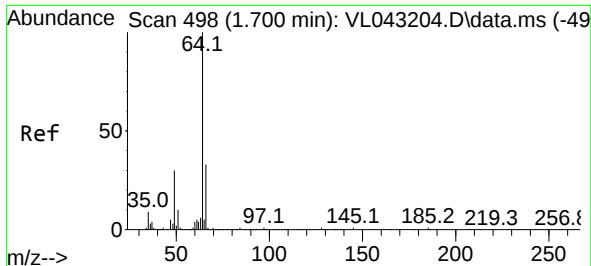
Tgt Ion: 62 Resp: 2947
 Ion Ratio Lower Upper
 62 100
 64 26.4 27.3 40.9#



#6
 Bromomethane
 Concen: 0.536 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL043203.D
 Acq: 18 Nov 2025 09:29

Tgt Ion: 94 Resp: 1656
 Ion Ratio Lower Upper
 94 100
 96 93.9 72.9 109.3

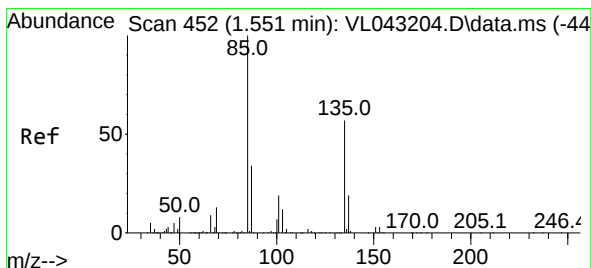
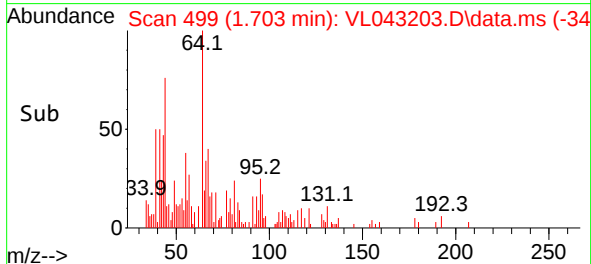
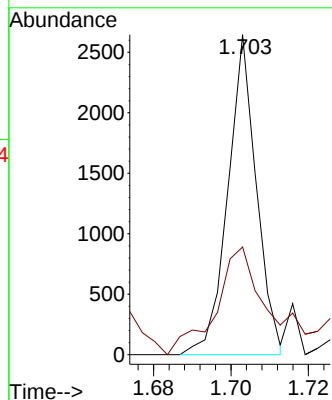
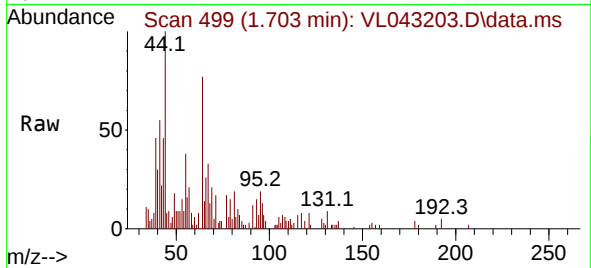




#7
Chloroethane
Concen: 0.547 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

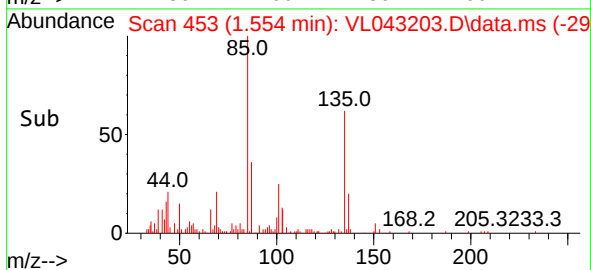
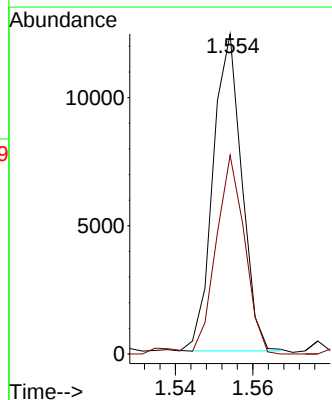
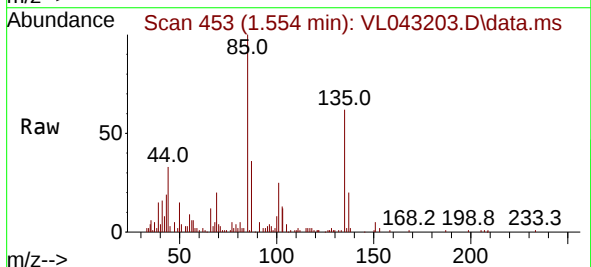
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MSVOA_1
ClientSampleId :
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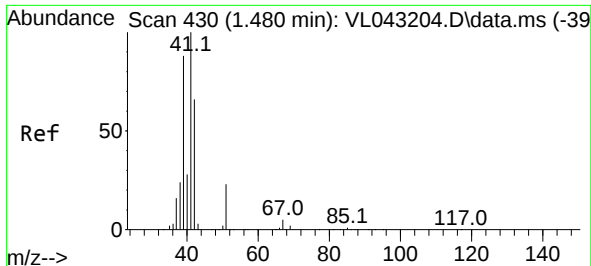
Tgt Ion: 64 Resp: 1357
Ion Ratio Lower Upper
64 100
66 33.7 26.8 40.2



#8
Dichlorotetrafluoroethane
Concen: 0.493 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 85 Resp: 6386
Ion Ratio Lower Upper
85 100
135 65.8 52.6 79.0





#9

Propene

Concen: 0.526 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA_1

ClientSampleId :

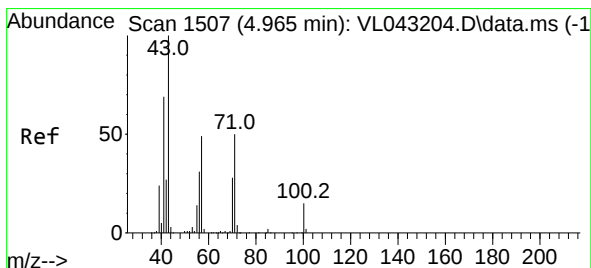
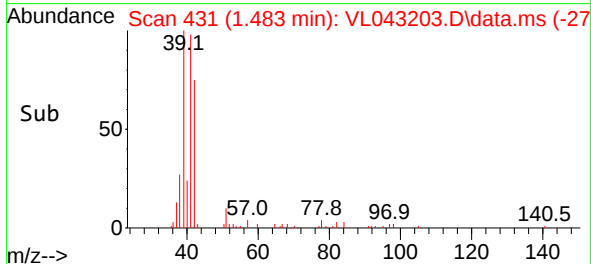
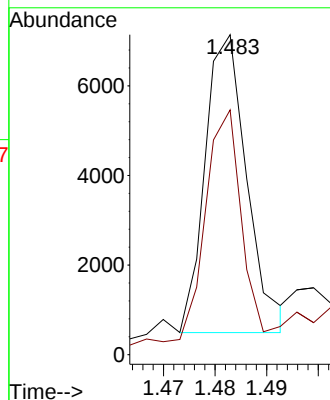
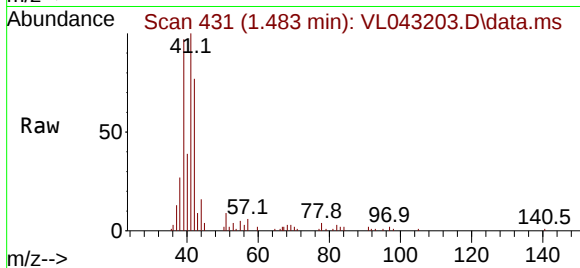
VSTDIC0.5

Tgt Ion: 41 Resp: 3739

Ion Ratio Lower Upper

41 100

42 121.9 3.7 5.5#



#10

Heptane

Concen: 0.300 ppbv

RT: 4.972 min Scan# 1509

Delta R.T. 0.007 min

Lab File: VL043203.D

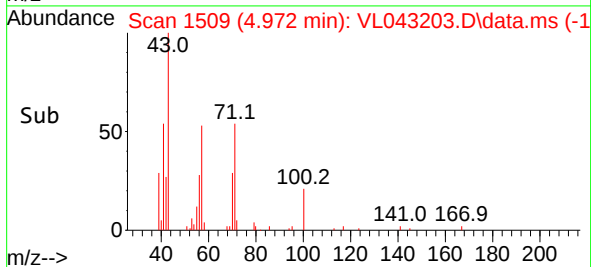
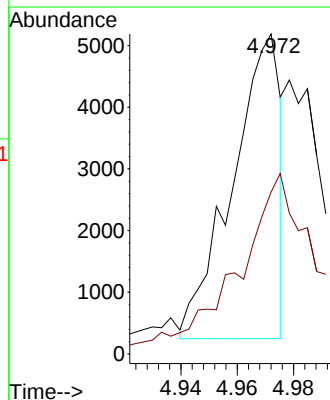
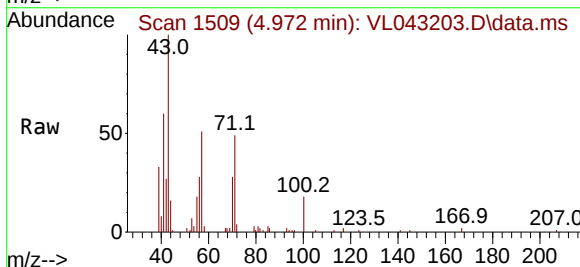
Acq: 18 Nov 2025 09:29

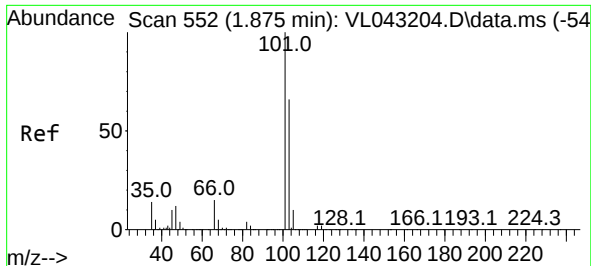
Tgt Ion: 43 Resp: 5844

Ion Ratio Lower Upper

43 100

57 0.0 39.7 59.5#

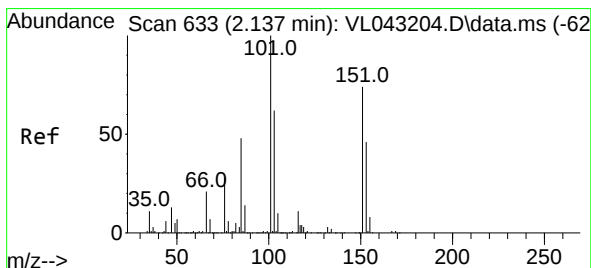
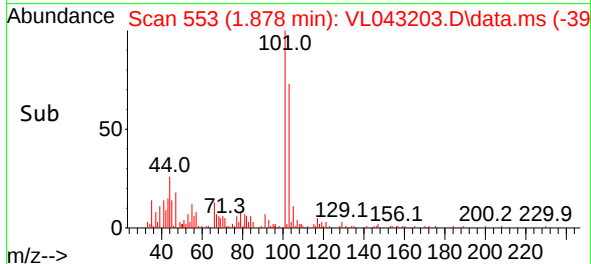
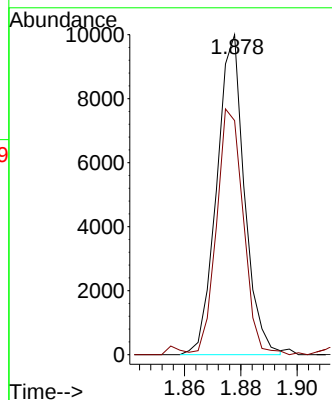
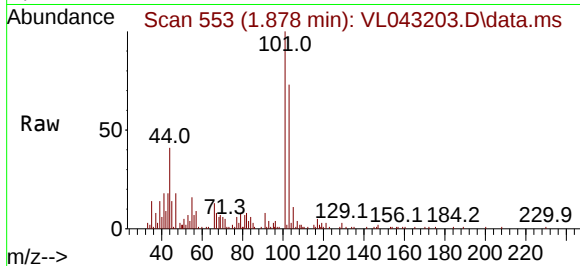




#11
 Trichlorofluoromethane
 Concen: 0.453 ppbv
 RT: 1.878 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL043203.D
 Acq: 18 Nov 2025 09:29

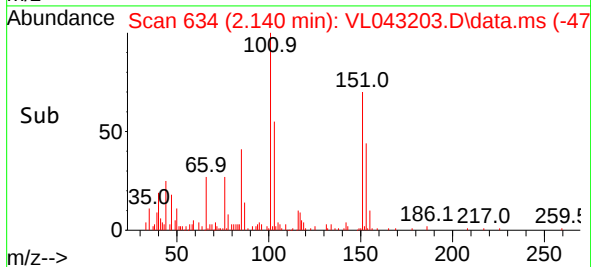
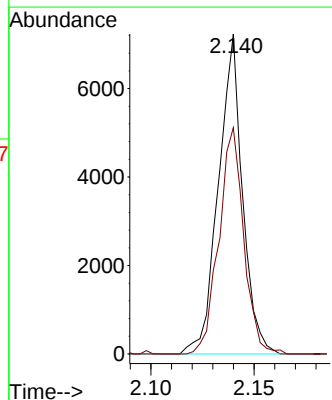
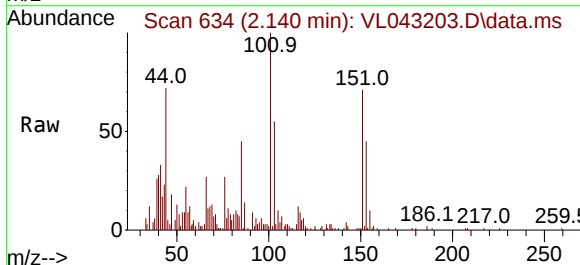
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

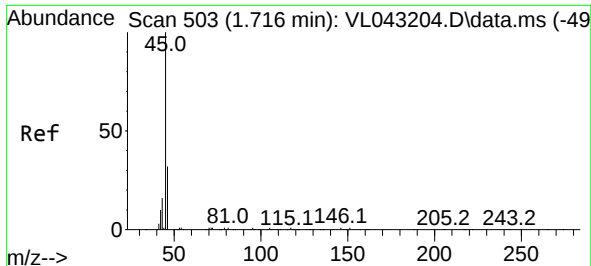
Tgt Ion:101 Resp: 6841
 Ion Ratio Lower Upper
 101 100
 103 71.8 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.497 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.003 min
 Lab File: VL043203.D
 Acq: 18 Nov 2025 09:29

Tgt Ion:101 Resp: 5863
 Ion Ratio Lower Upper
 101 100
 151 72.8 59.2 88.8

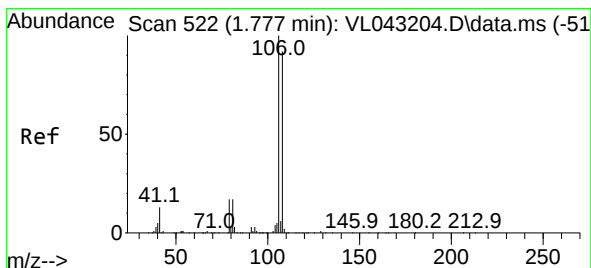
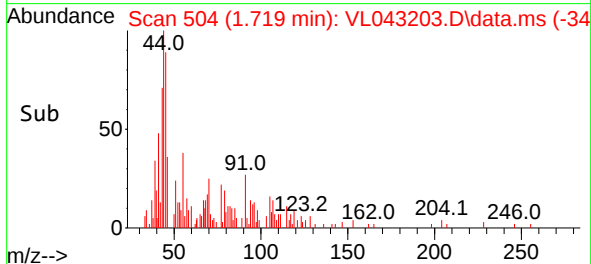
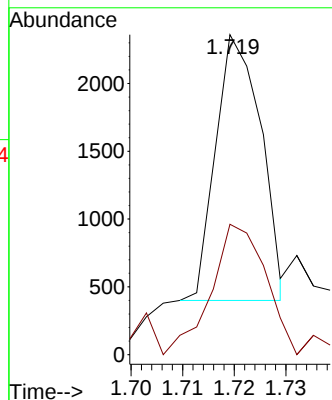
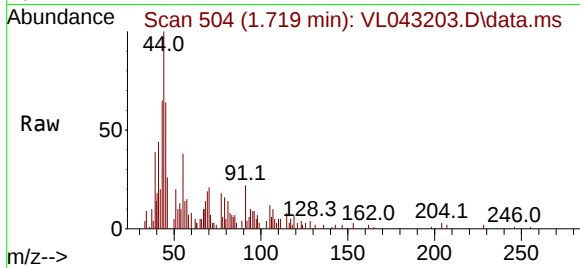




#13
Ethanol
Concen: 0.520 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

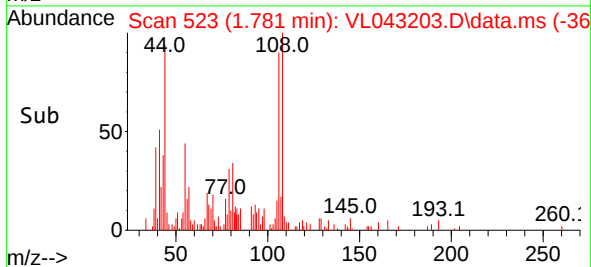
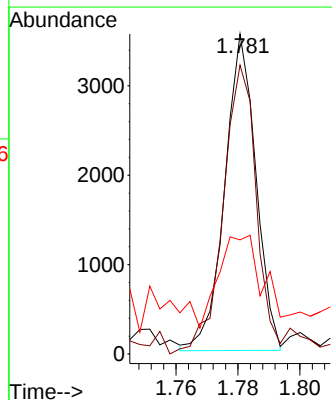
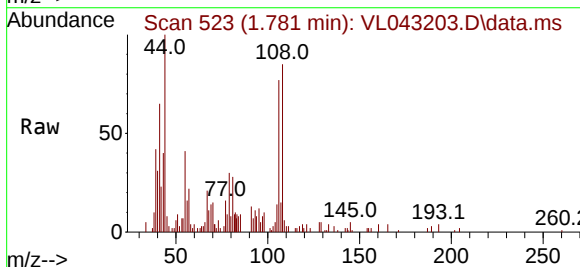
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

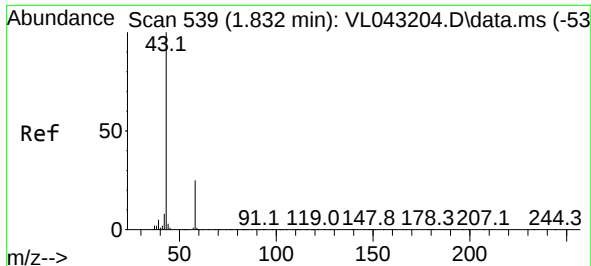
Tgt Ion: 45 Resp: 1190
Ion Ratio Lower Upper
45 100
46 58.7 15.0 59.8



#14
Bromoethene
Concen: 0.548 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 108 Resp: 2476
Ion Ratio Lower Upper
108 100
106 126.4 88.9 133.3
79 58.5 16.5 24.7#

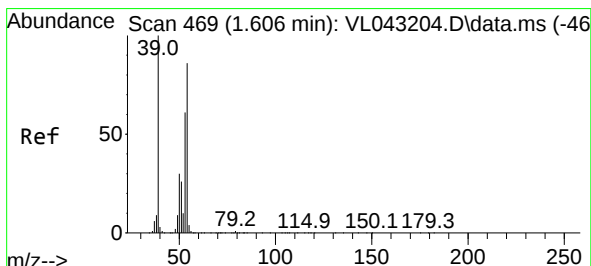
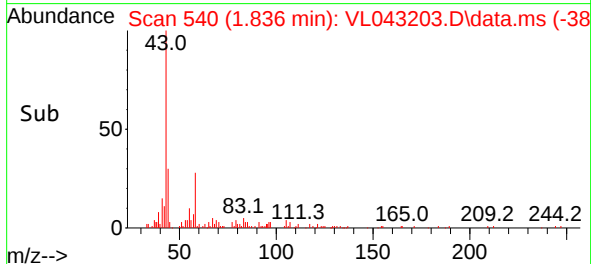
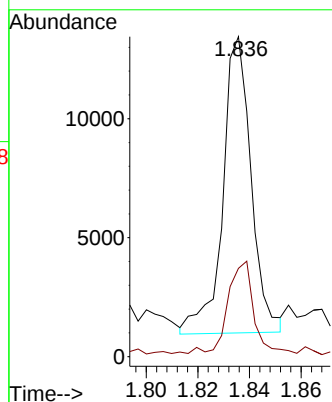
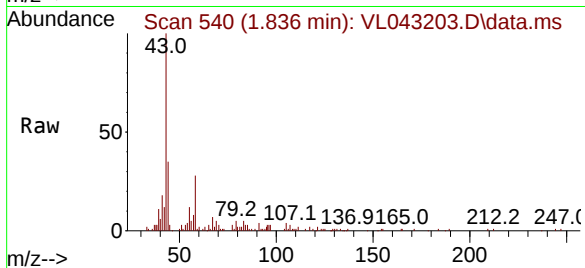




#15
Acetone
Concen: 0.619 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

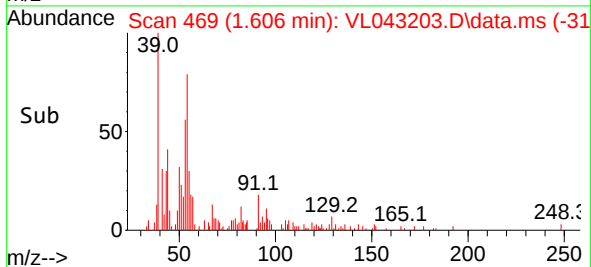
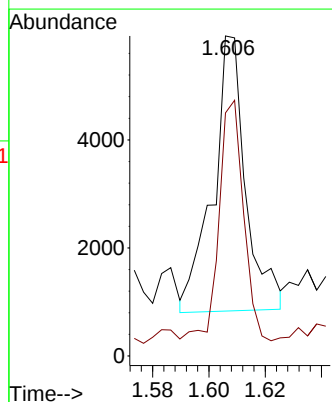
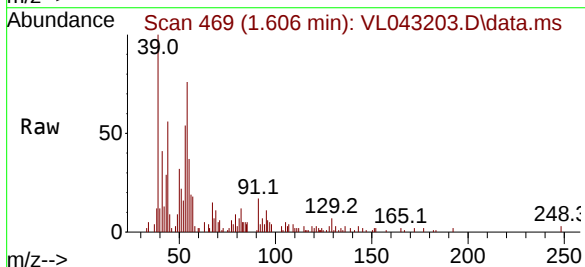
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

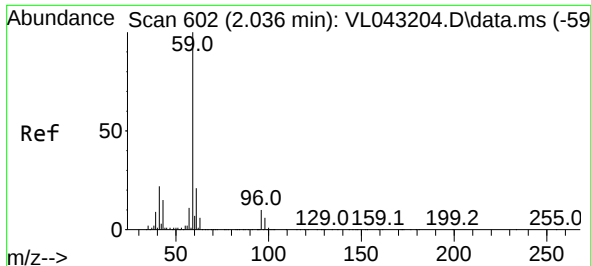
Tgt Ion: 43 Resp: 9506
Ion Ratio Lower Upper
43 100
58 32.0 20.7 31.1#



#16
1,3-Butadiene
Concen: 0.601 ppbv
RT: 1.606 min Scan# 469
Delta R.T. 0.000 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 39 Resp: 4115
Ion Ratio Lower Upper
39 100
54 70.0 59.4 89.2





#17

tert-Butyl alcohol

Concen: 0.489 ppbv

RT: 2.043 min Scan# 602

Delta R.T. 0.006 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

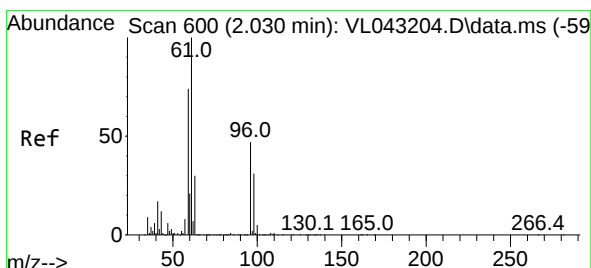
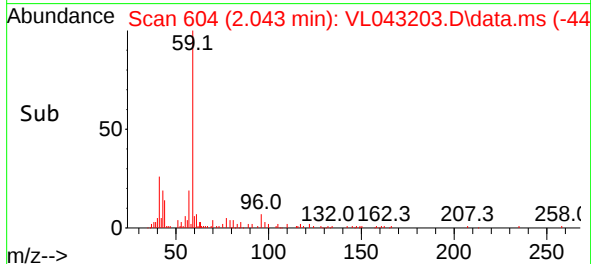
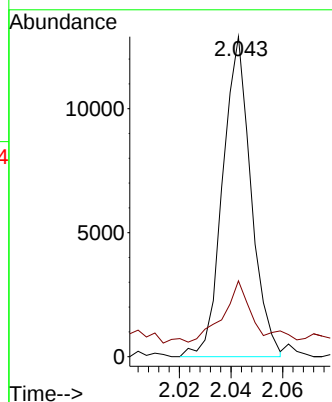
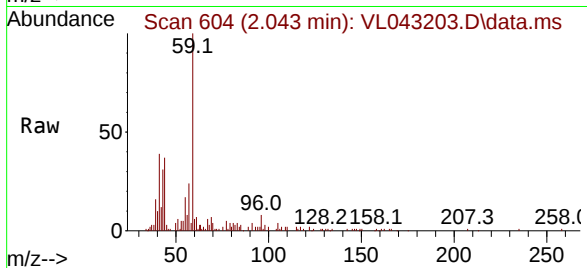
VSTDIC0.5

Tgt Ion: 59 Resp: 9854

Ion Ratio Lower Upper

59 100

57 23.3 9.0 13.4#



#18

1,1-Dichloroethene

Concen: 0.559 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.003 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

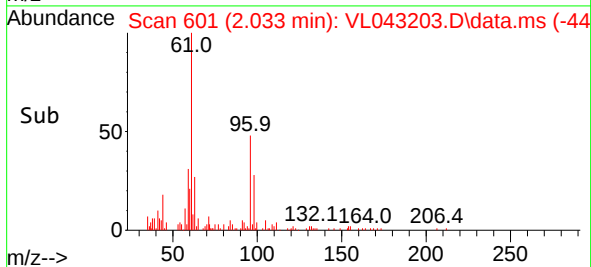
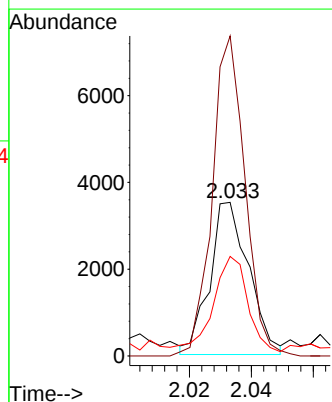
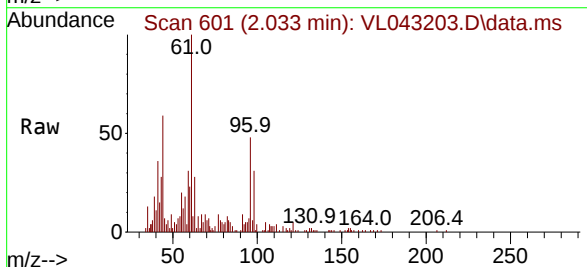
Tgt Ion: 96 Resp: 3068

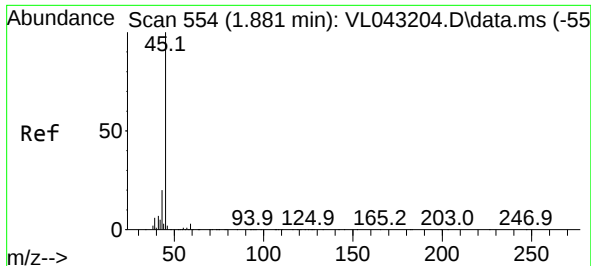
Ion Ratio Lower Upper

96 100

61 220.0 170.6 255.8

98 66.3 52.2 78.4

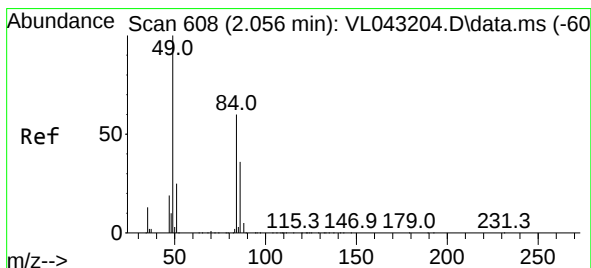
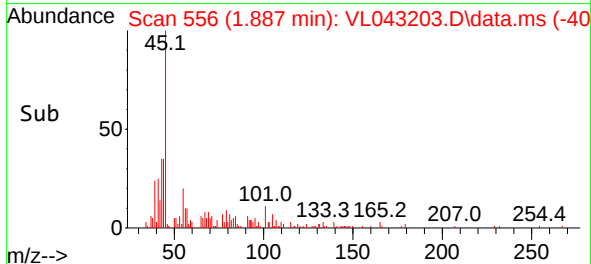
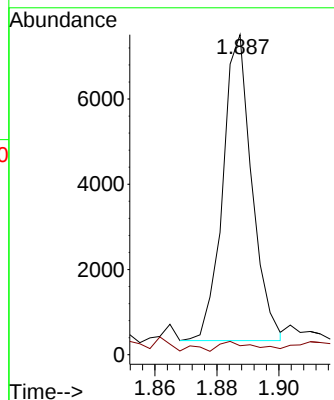
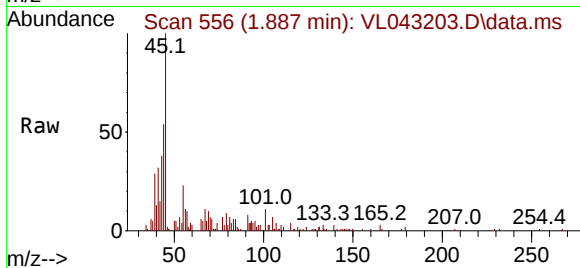




#19
Isopropyl Alcohol
Concen: 0.540 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.007 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

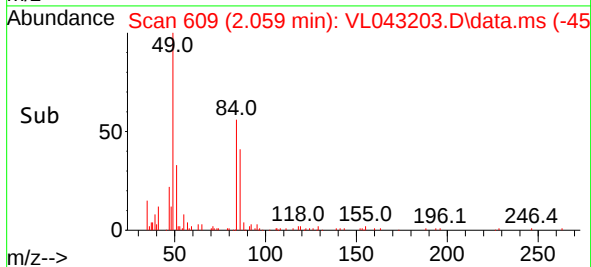
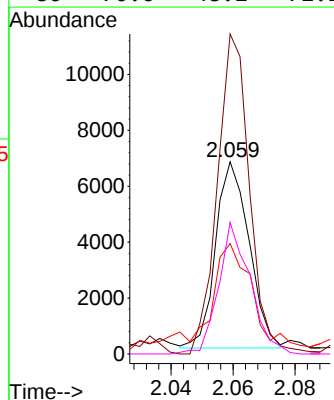
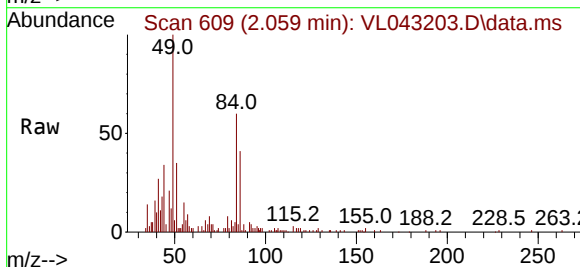
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

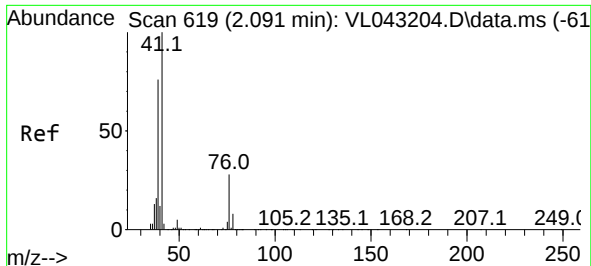
Tgt Ion: 45 Resp: 4687
Ion Ratio Lower Upper
45 100
58 9.0 31.3 46.9#



#20
Methylene Chloride
Concen: 0.349 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 84 Resp: 5006
Ion Ratio Lower Upper
84 100
49 173.9 132.9 199.3
51 48.8 34.8 52.2
86 70.6 48.2 72.2





#21

Allyl Chloride

Concen: 0.609 ppbv

RT: 2.095 min Scan# 619

Delta R.T. 0.003 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

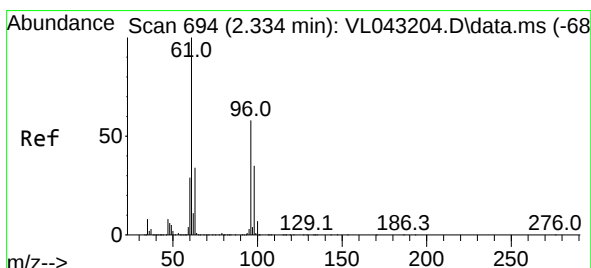
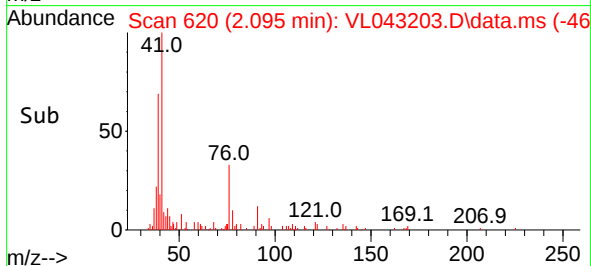
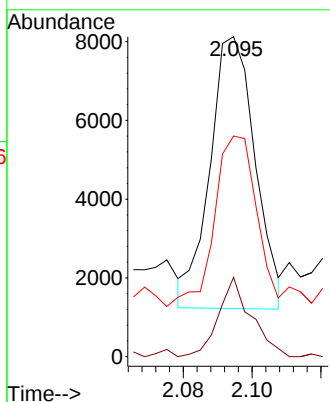
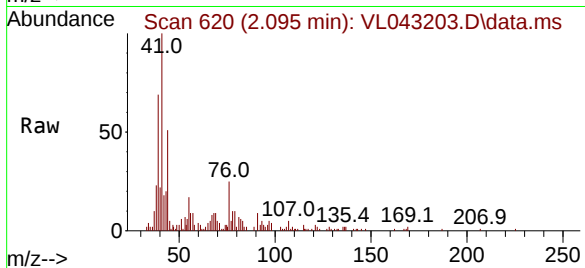
Tgt Ion: 41 Resp: 6291

Ion Ratio Lower Upper

41 100

76 22.2 22.1 33.1

39 73.5 61.0 91.4



#22

trans-1,2-Dichloroethene

Concen: 0.533 ppbv

RT: 2.337 min Scan# 695

Delta R.T. 0.003 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

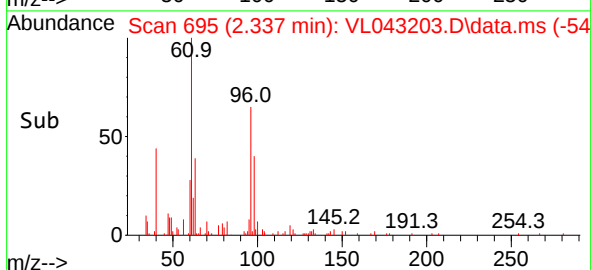
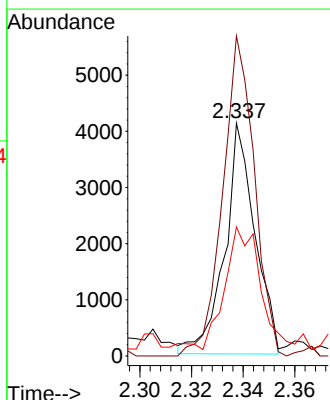
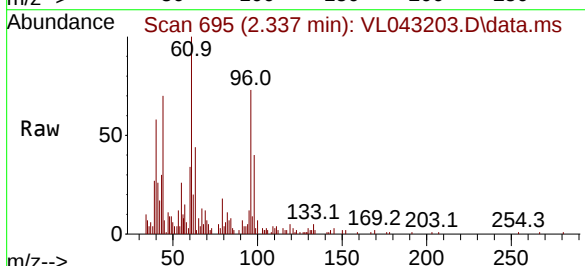
Tgt Ion: 96 Resp: 3343

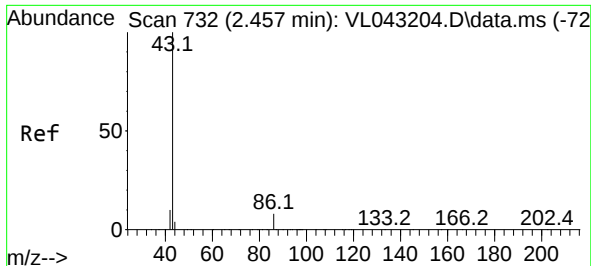
Ion Ratio Lower Upper

96 100

61 141.8 139.0 208.6

98 51.7 49.4 74.2





#23

Vinyl Acetate

Concen: 0.562 ppbv

RT: 2.464 min Scan# 71

Delta R.T. 0.006 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 10414

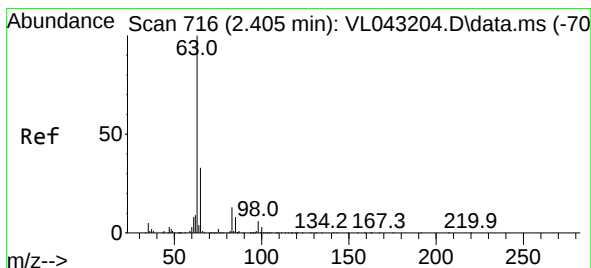
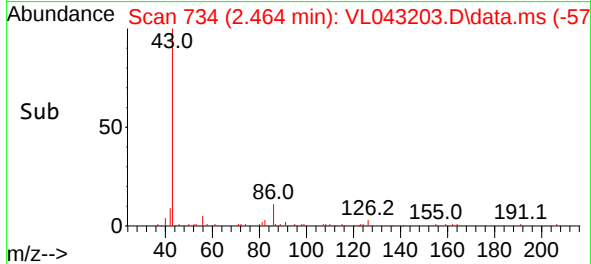
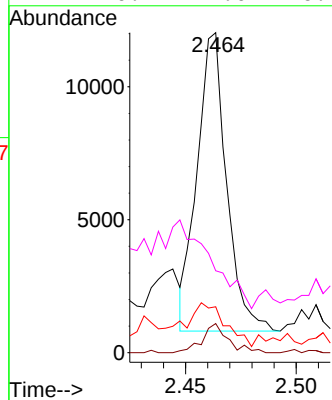
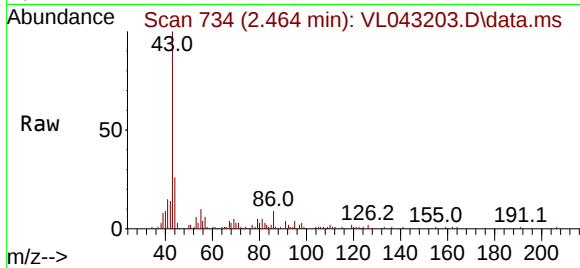
Ion Ratio Lower Upper

43 100

86 10.8 6.2 9.2#

42 11.4 8.0 12.0

44 10.7 4.0 6.0#



#24

1,1-Dichloroethane

Concen: 0.479 ppbv

RT: 2.409 min Scan# 717

Delta R.T. 0.003 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

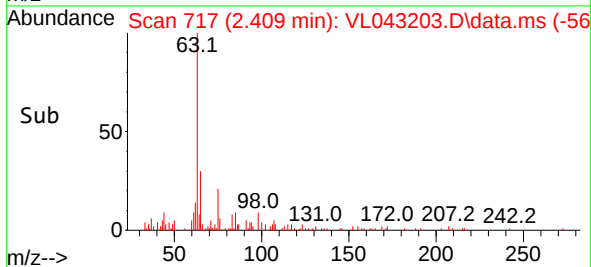
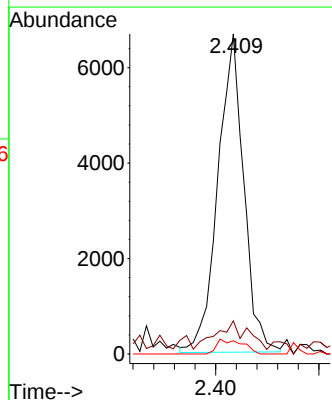
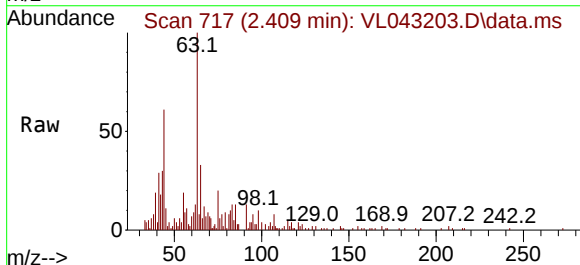
Tgt Ion: 63 Resp: 5803

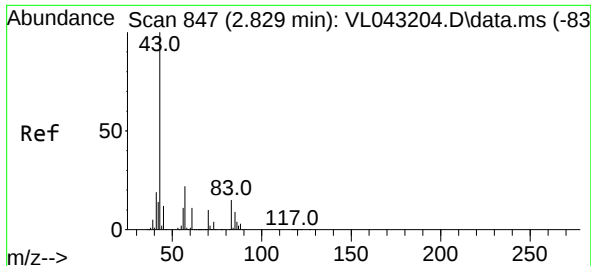
Ion Ratio Lower Upper

63 100

98 6.6 2.8 8.4

100 4.2 1.3 3.9#

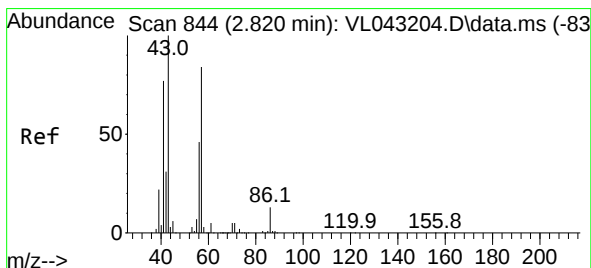
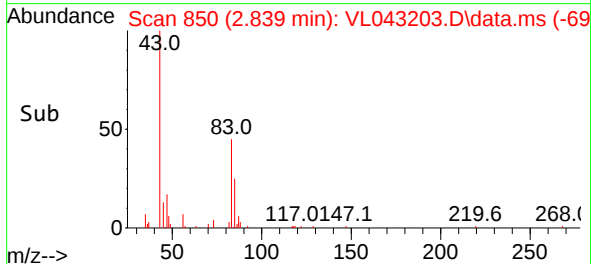
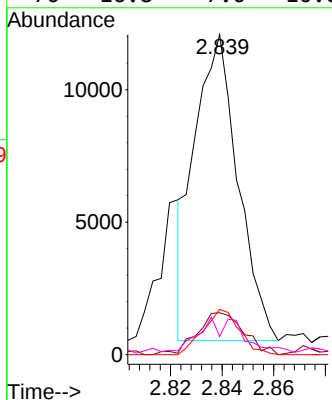
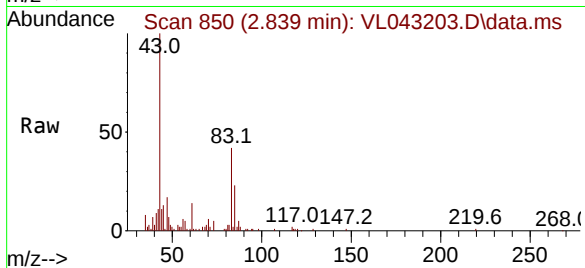




#25
Ethyl Acetate
Concen: 0.406 ppbv
RT: 2.839 min Scan# 847
Delta R.T. 0.010 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

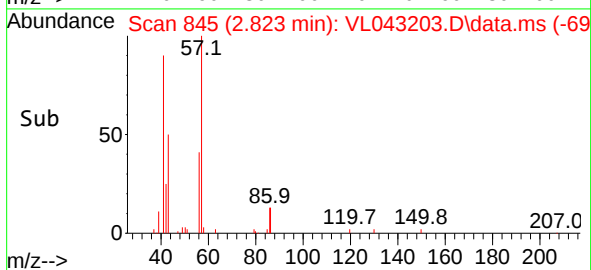
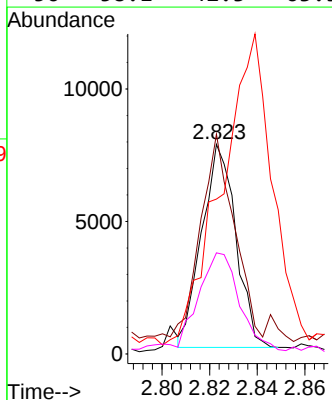
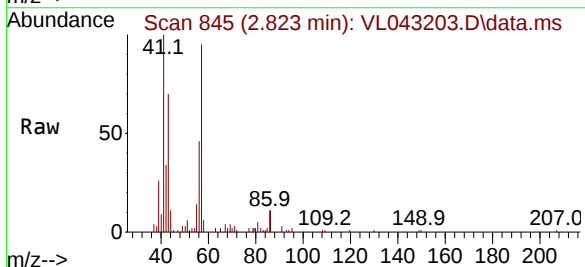
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

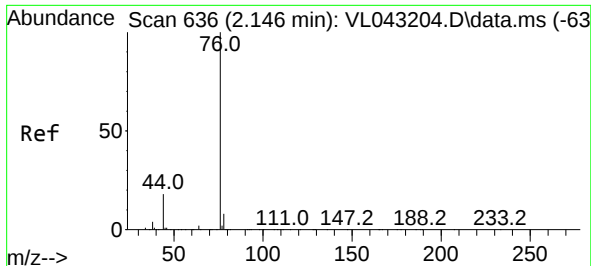
Tgt Ion: 43	Resp: 13478
Ion Ratio	Lower Upper
43 100	
45 15.5	8.1 12.1#
61 12.4	7.0 10.4#
70 16.8	7.0 10.6#



#26
Hexane
Concen: 0.523 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt	Ion: 57	Resp:	7589
	Ratio	Lower	Upper
57	100		
41	114.6	74.6	111.8#
43	229.7	179.0	268.4
56	58.1	42.3	63.5

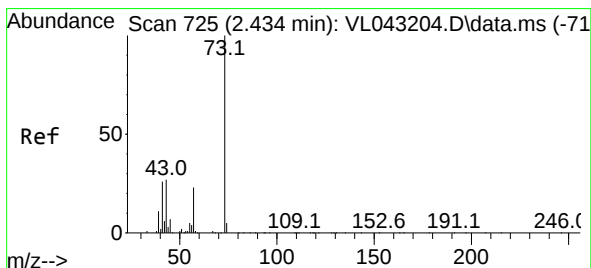
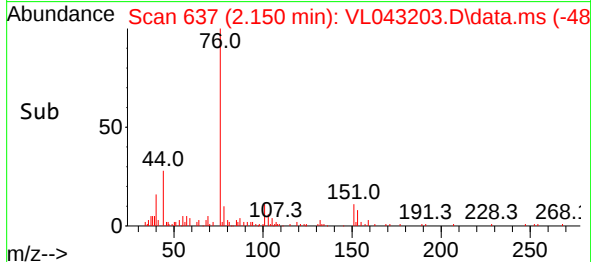
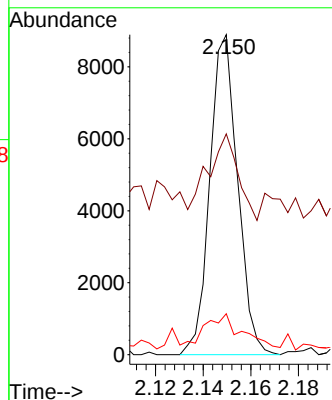
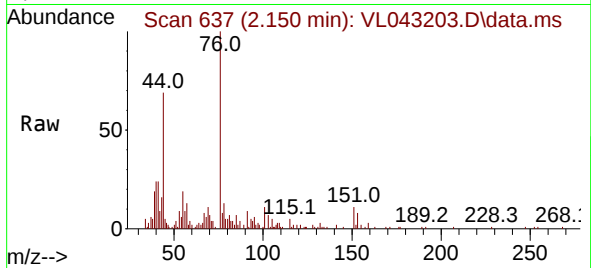




#27
Carbon Disulfide
Concen: 0.486 ppbv
RT: 2.150 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

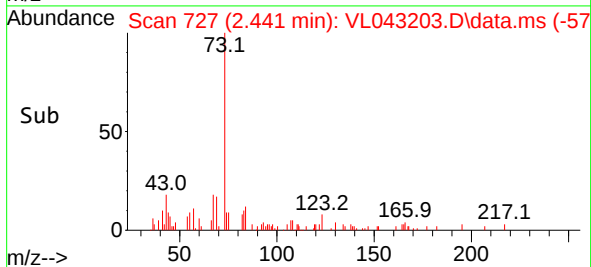
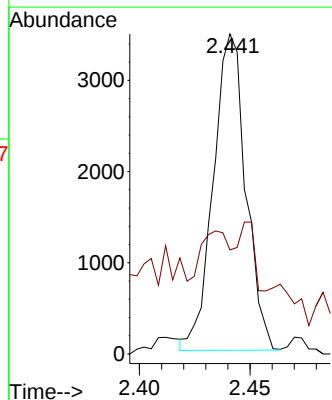
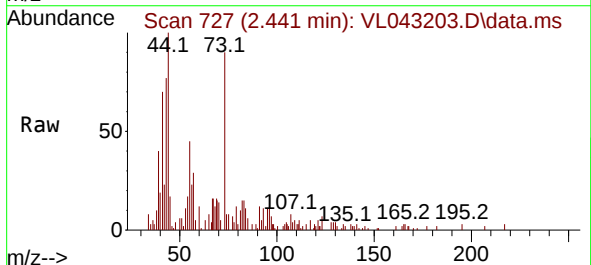
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

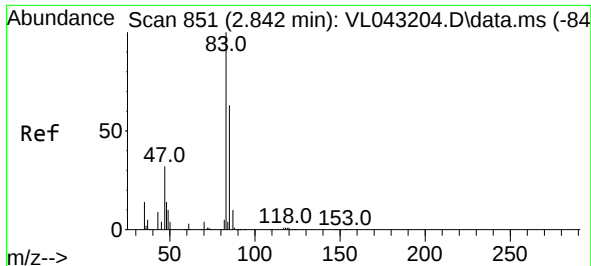
Tgt Ion: 76 Resp: 7198
Ion Ratio Lower Upper
76 100
44 115.9 16.1 24.1#
78 26.4 9.6 14.4#



#28
Methyl tert-Butyl Ether
Concen: 0.498 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 73 Resp: 3545
Ion Ratio Lower Upper
73 100
57 67.2 19.8 29.8#

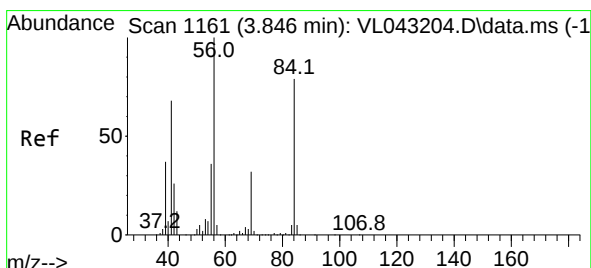
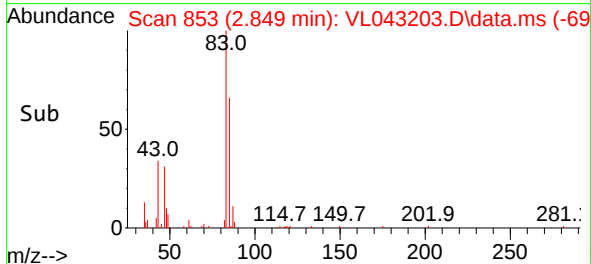
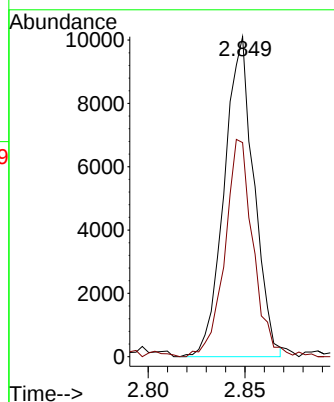
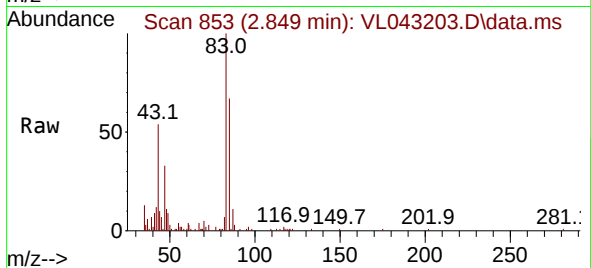




#29
Chloroform
Concen: 0.523 ppbv
RT: 2.849 min Scan# 851
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

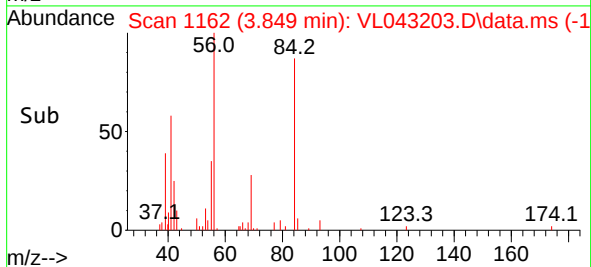
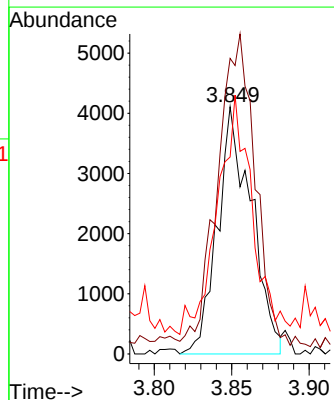
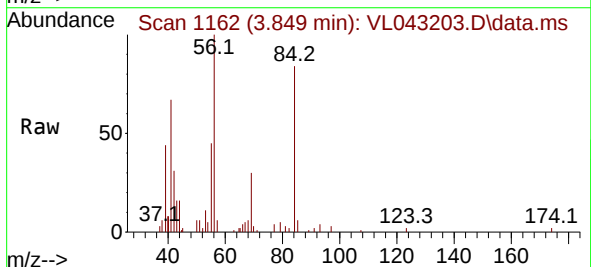
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

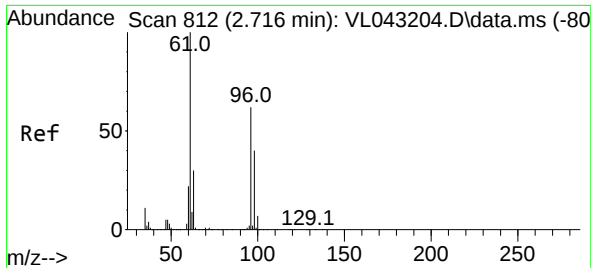
Tgt Ion: 83 Resp: 10800
Ion Ratio Lower Upper
83 100
85 66.9 50.5 75.7



#30
Cyclohexane
Concen: 0.515 ppbv
RT: 3.849 min Scan# 1162
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 84 Resp: 6271
Ion Ratio Lower Upper
84 100
56 148.3 104.7 157.1
41 99.3 69.0 103.6

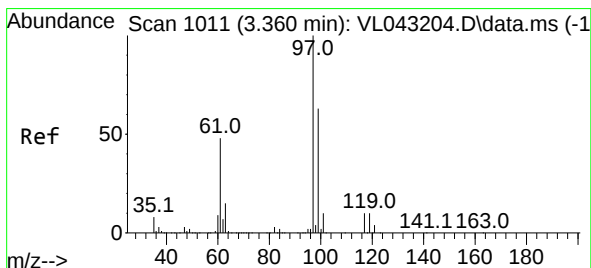
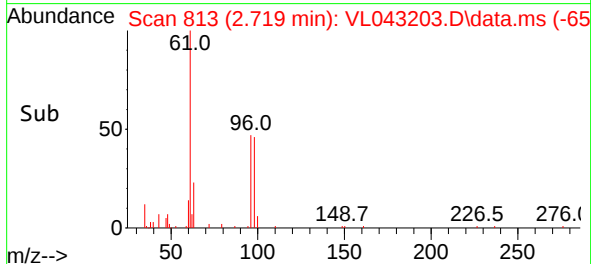
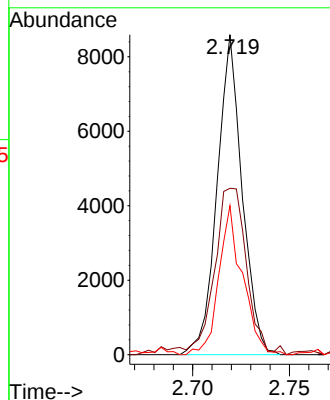
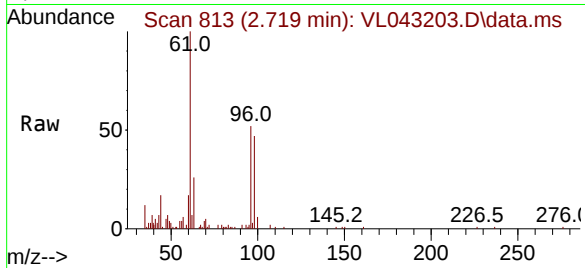




#31
 cis-1,2-Dichloroethene
 Concen: 0.536 ppbv
 RT: 2.719 min Scan# 812
 Delta R.T. 0.003 min
 Lab File: VL043203.D
 Acq: 18 Nov 2025 09:29

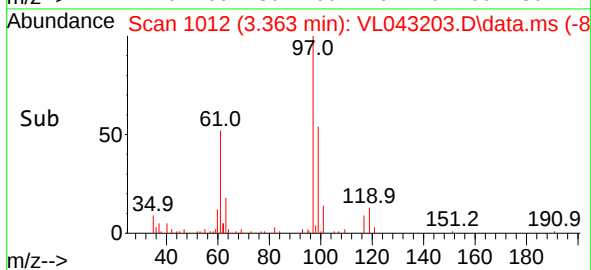
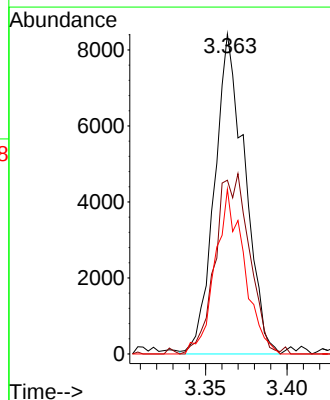
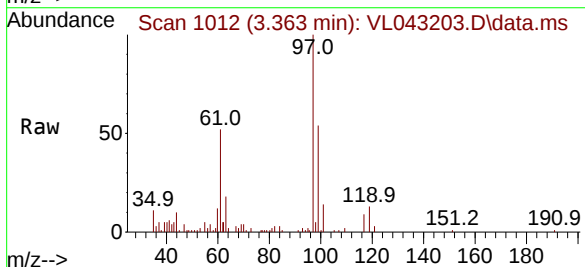
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

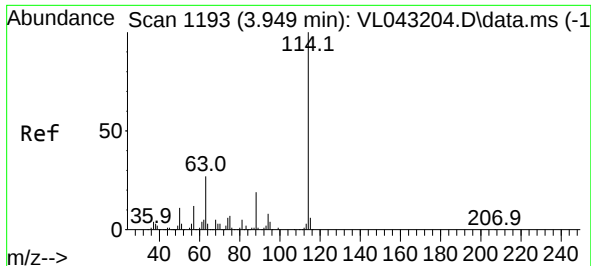
Tgt Ion: 61 Resp: 7728
 Ion Ratio Lower Upper
 61 100
 96 49.8 49.3 73.9
 98 46.5 32.1 48.1



#32
 1,1,1-Trichloroethane
 Concen: 0.490 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. 0.003 min
 Lab File: VL043203.D
 Acq: 18 Nov 2025 09:29

Tgt Ion: 97 Resp: 10886
 Ion Ratio Lower Upper
 97 100
 99 64.4 50.3 75.5
 61 49.5 38.9 58.3

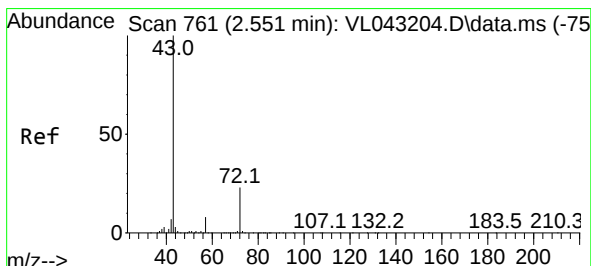
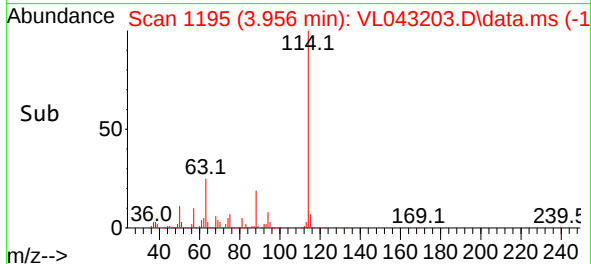
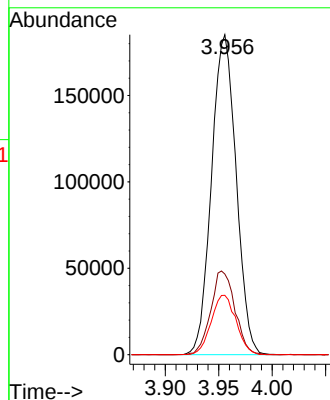
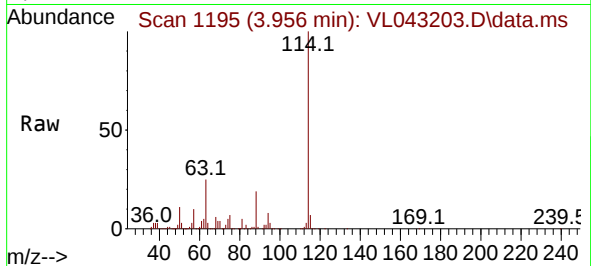




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.956 min Scan# 1195
 Delta R.T. 0.006 min
 Lab File: VL043203.D
 Acq: 18 Nov 2025 09:29

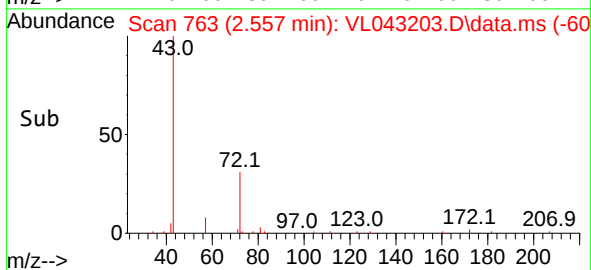
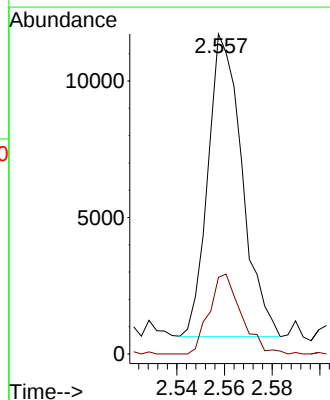
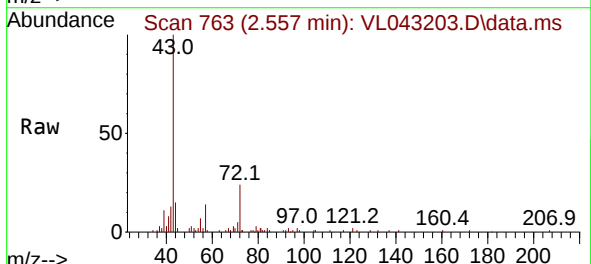
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

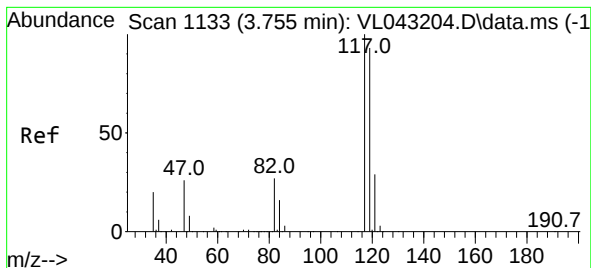
Tgt Ion:114 Resp: 296493
 Ion Ratio Lower Upper
 114 100
 63 25.7 21.0 31.6
 88 18.8 14.9 22.3



#34
 2-Butanone
 Concen: 0.527 ppbv
 RT: 2.557 min Scan# 763
 Delta R.T. 0.006 min
 Lab File: VL043203.D
 Acq: 18 Nov 2025 09:29

Tgt Ion: 43 Resp: 11026
 Ion Ratio Lower Upper
 43 100
 72 24.9 18.1 27.1





#35

Carbon Tetrachloride

Concen: 0.513 ppbv

RT: 3.761 min Scan# 1135

Delta R.T. 0.006 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

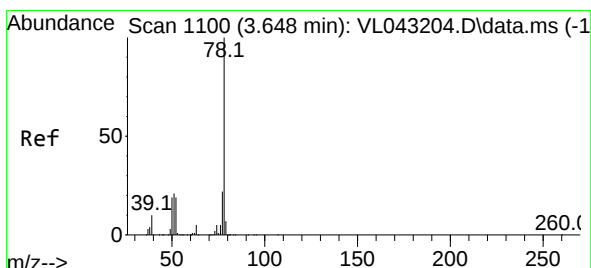
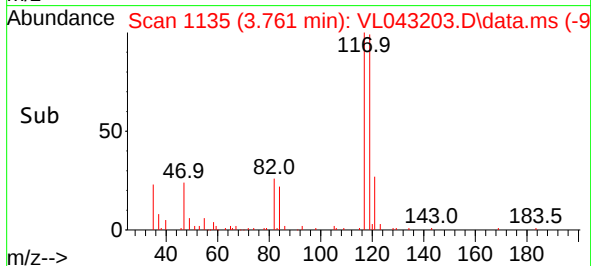
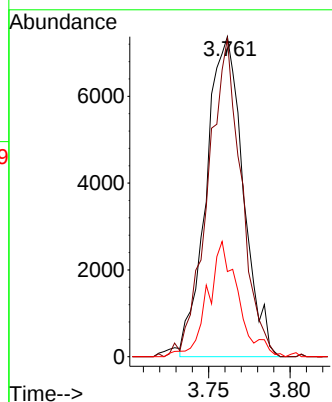
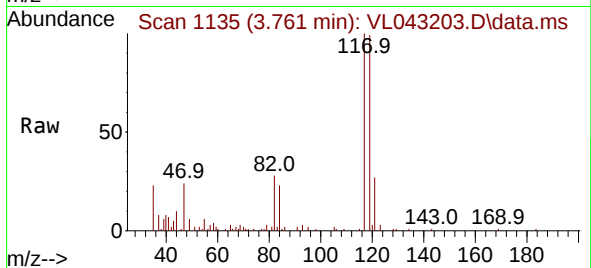
Tgt Ion:117 Resp: 11551

Ion Ratio Lower Upper

117 100

119 99.4 74.6 112.0

121 25.7 23.2 34.8



#36

Benzene

Concen: 0.520 ppbv

RT: 3.655 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

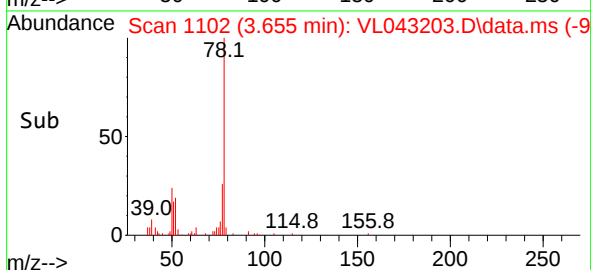
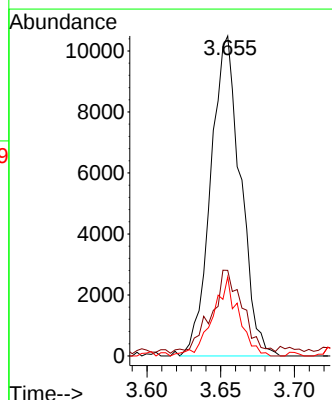
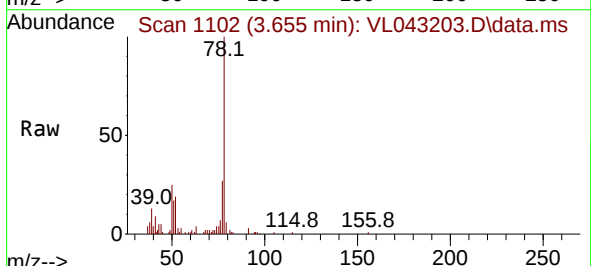
Tgt Ion: 78 Resp: 14759

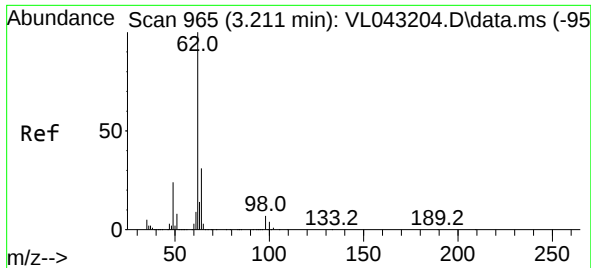
Ion Ratio Lower Upper

78 100

77 24.6 17.5 26.3

50 24.7 15.5 23.3

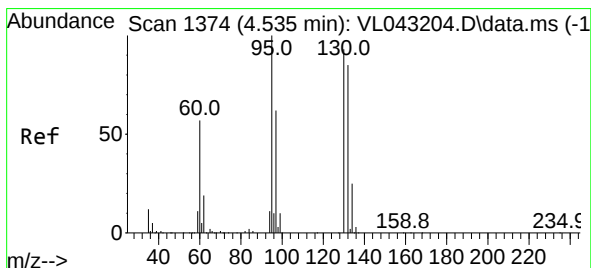
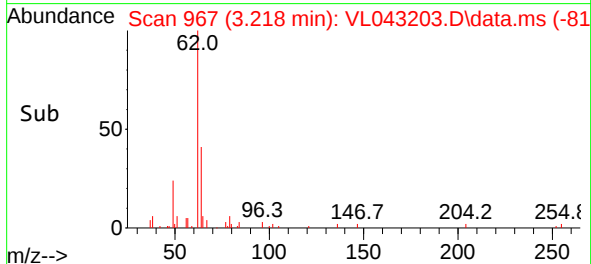
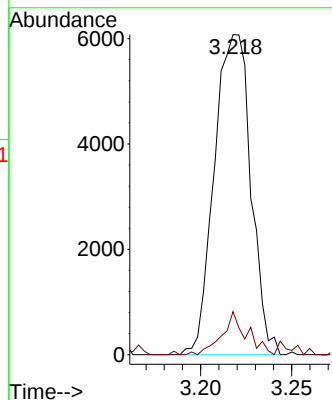
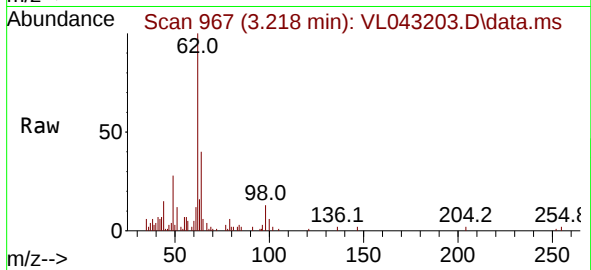




#37
1,2-Dichloroethane
Concen: 0.510 ppbv
RT: 3.218 min Scan# 967
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

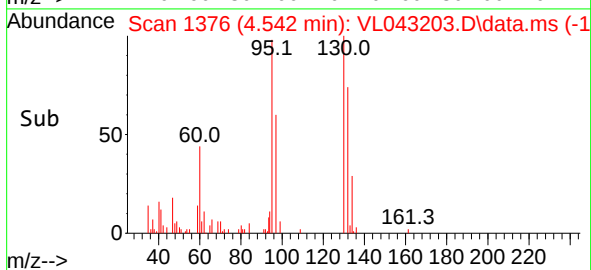
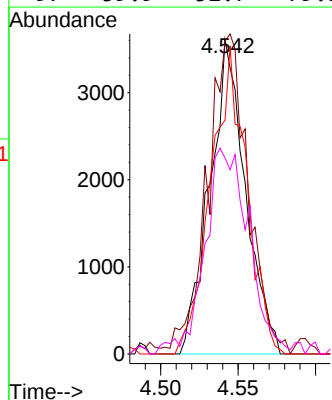
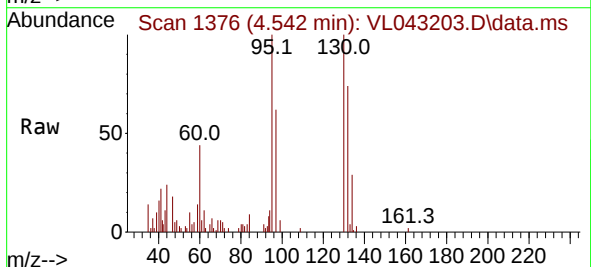
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

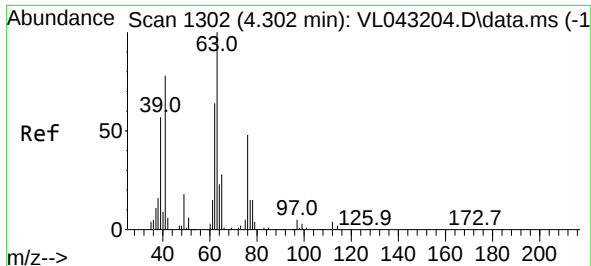
Tgt Ion: 62 Resp: 8477
Ion Ratio Lower Upper
62 100
98 9.2 5.5 8.3#



#38
Trichloroethene
Concen: 0.519 ppbv
RT: 4.542 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:130 Resp: 5775
Ion Ratio Lower Upper
130 100
95 96.0 85.7 128.5
132 72.9 73.4 110.0#
97 59.9 52.7 79.1





#39

1,2-Dichloropropane

Concen: 0.530 ppbv

RT: 4.312 min Scan# 1

Delta R.T. 0.010 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

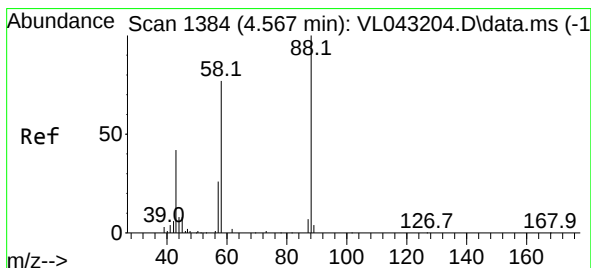
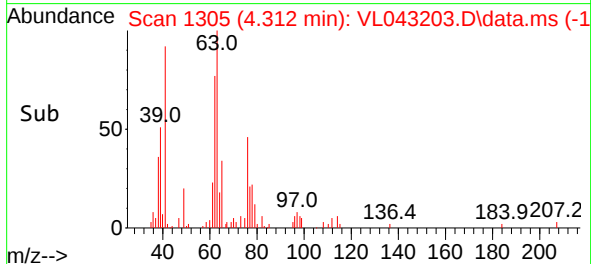
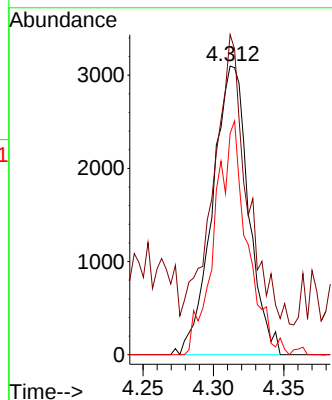
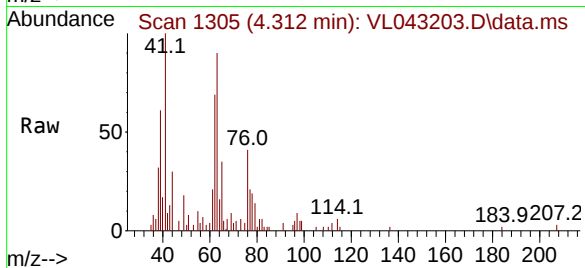
Tgt Ion: 63 Resp: 5510

Ion Ratio Lower Upper

63 100

41 98.4 62.6 93.8#

62 76.7 51.0 76.6#



#40

1,4-Dioxane

Concen: 0.286 ppbv

RT: 4.597 min Scan# 1393

Delta R.T. 0.029 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Tgt Ion: 88 Resp: 1334

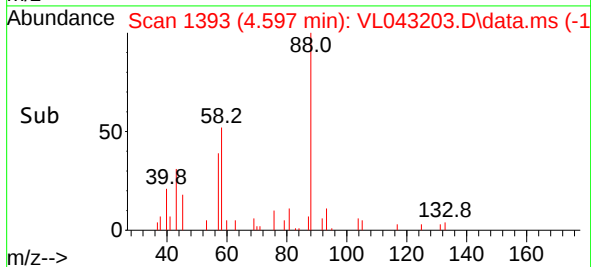
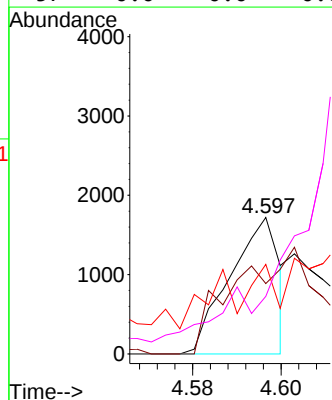
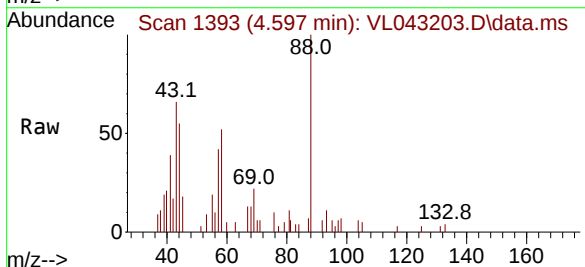
Ion Ratio Lower Upper

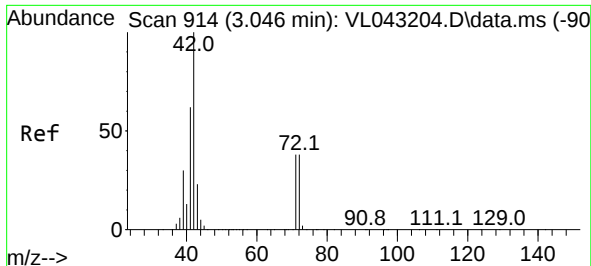
88 100

58 0.0 63.0 94.6#

43 39.8 32.5 48.7

57 0.0 0.0 0.0

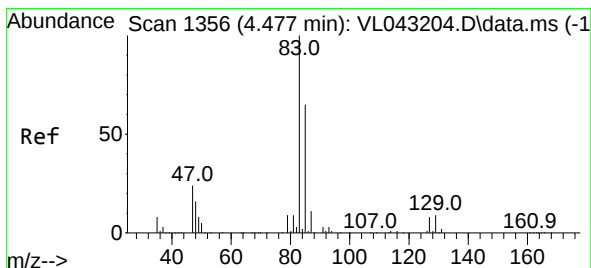
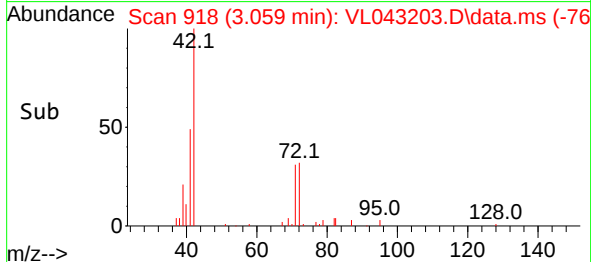
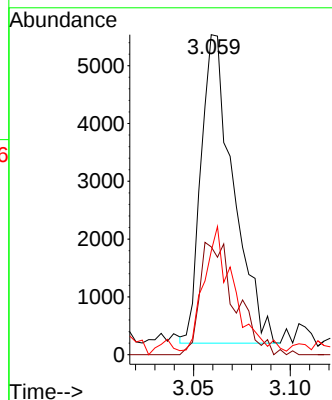
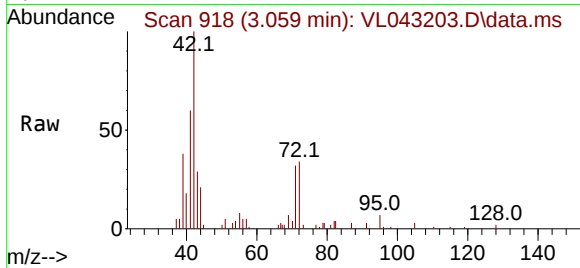




#41
Tetrahydrofuran
Concen: 0.536 ppbv
RT: 3.059 min Scan# 914
Delta R.T. 0.013 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

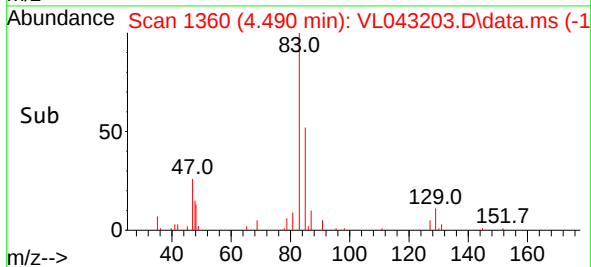
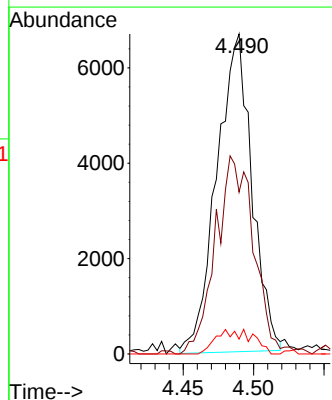
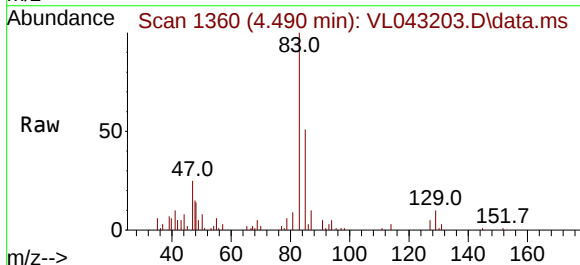
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

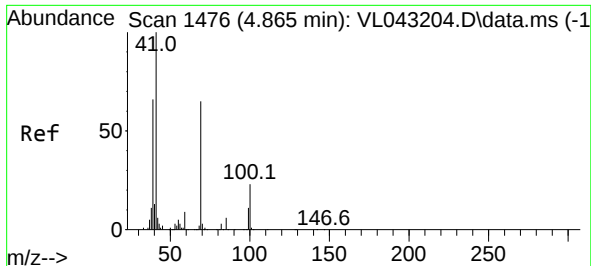
Tgt Ion:	42	Resp:	6193
Ion	Ratio	Lower	Upper
42	100		
72	40.2	30.6	46.0
71	42.1	30.5	45.7



#42
Bromodichloromethane
Concen: 0.506 ppbv
RT: 4.490 min Scan# 1360
Delta R.T. 0.013 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:	83	Resp:	11597
Ion	Ratio	Lower	Upper
83	100		
85	51.4	51.7	77.5#
127	4.8	6.3	9.5#

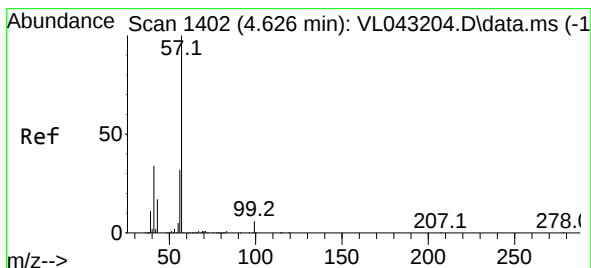
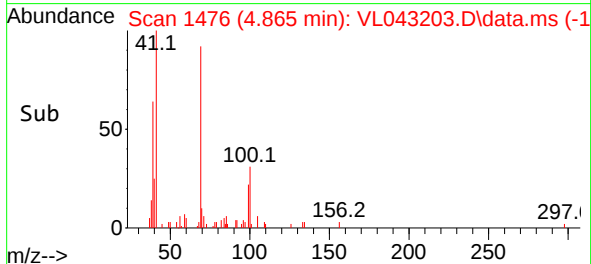
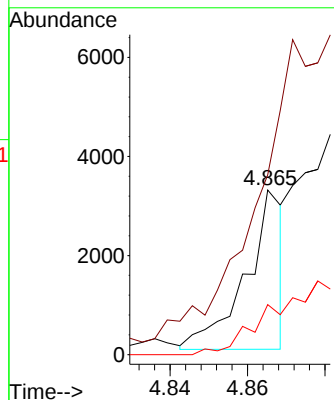
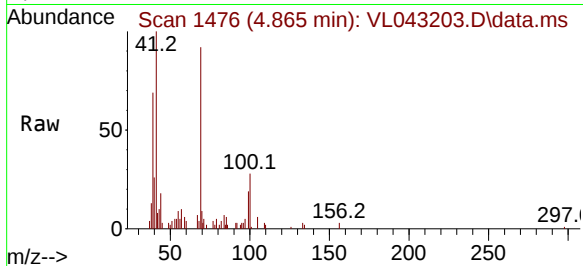




#43
Methyl Methacrylate
Concen: 0.143 ppbv
RT: 4.865 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

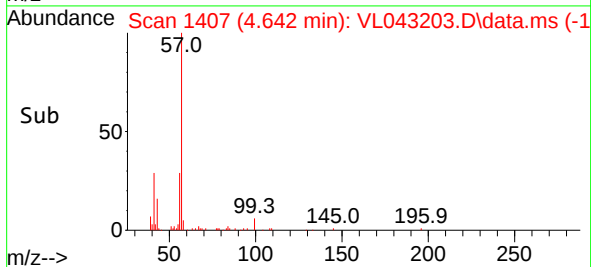
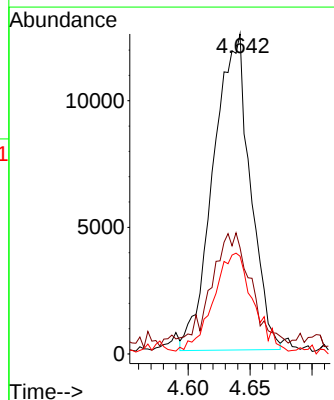
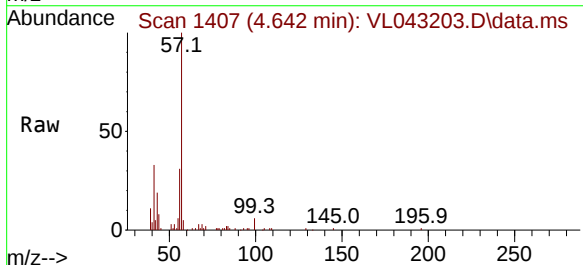
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

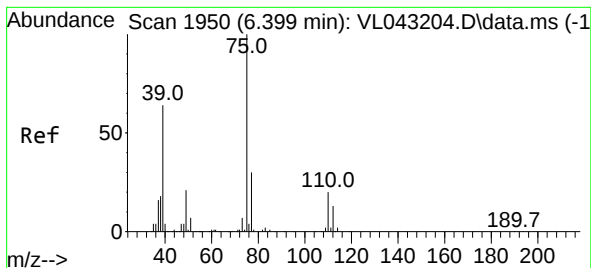
Tgt Ion: 69 Resp: 2151
Ion Ratio Lower Upper
69 100
41 0.0 126.7 190.1#
100 0.0 28.6 43.0#



#44
2,2,4-Trimethylpentane
Concen: 0.531 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.016 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 57 Resp: 25890
Ion Ratio Lower Upper
57 100
41 36.2 28.0 42.0
56 36.9 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 0.523 ppbv

RT: 6.412 min Scan# 1954

Delta R.T. 0.013 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA_1

ClientSampleId :

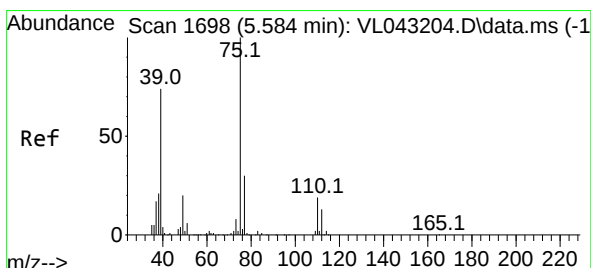
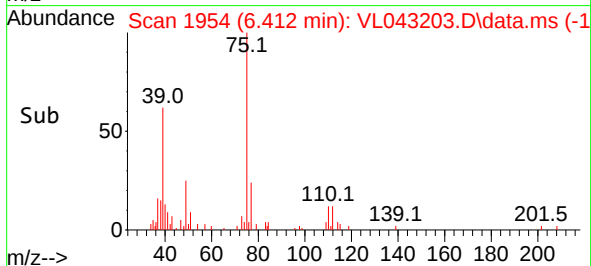
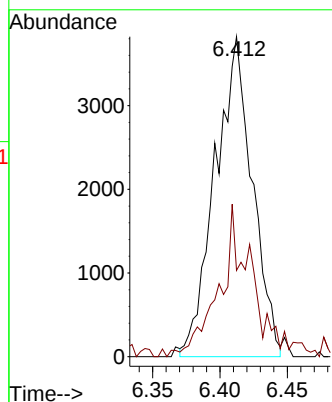
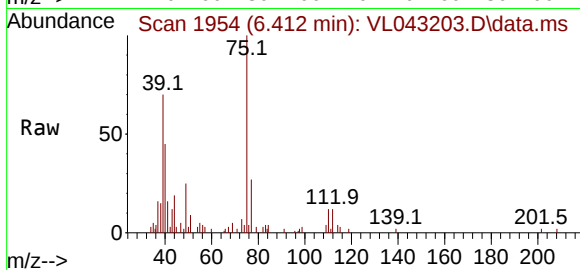
VSTDICC0.5

Tgt Ion: 75 Resp: 7343

Ion Ratio Lower Upper

75 100

77 26.9 24.3 36.5



#46

cis-1,3-Dichloropropene

Concen: 0.425 ppbv

RT: 5.593 min Scan# 1701

Delta R.T. 0.010 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

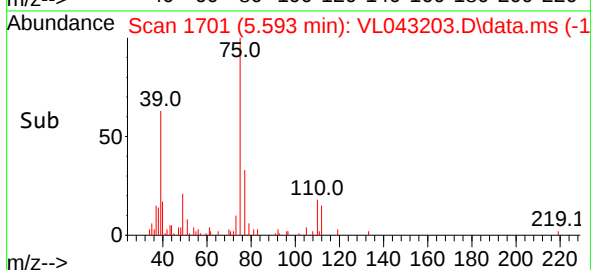
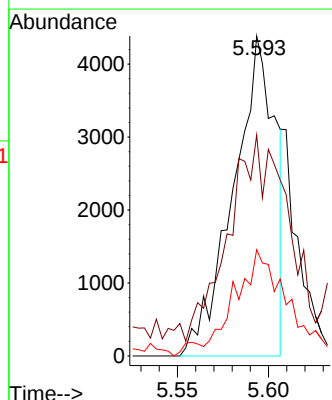
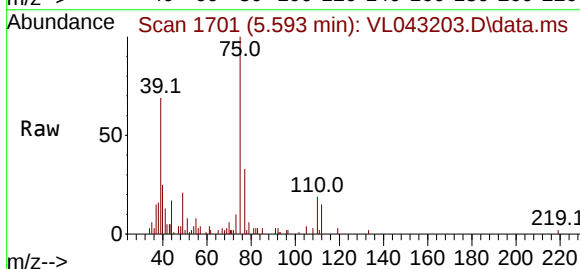
Tgt Ion: 75 Resp: 7004

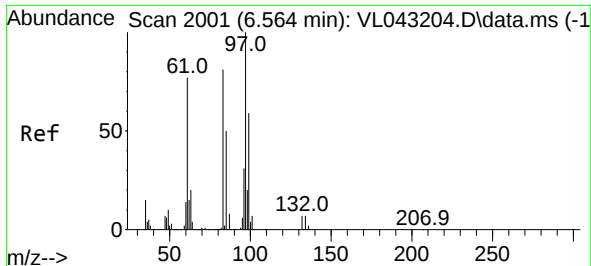
Ion Ratio Lower Upper

75 100

39 58.9 59.1 88.7#

77 30.6 24.2 36.2





#47

1,1,2-Trichloroethane

Concen: 0.290 ppbv

RT: 6.581 min Scan# 2006

Delta R.T. 0.016 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 97 Resp: 3211

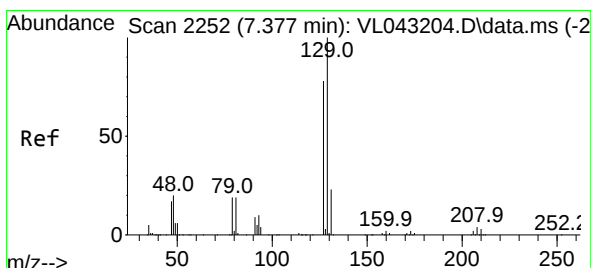
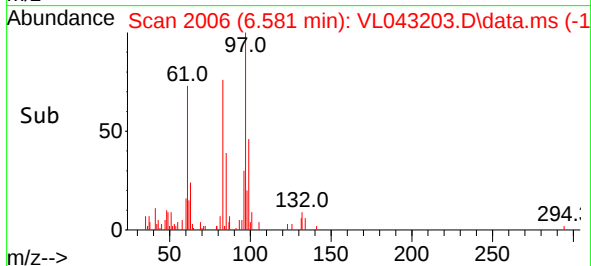
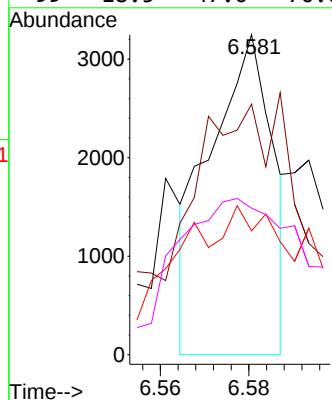
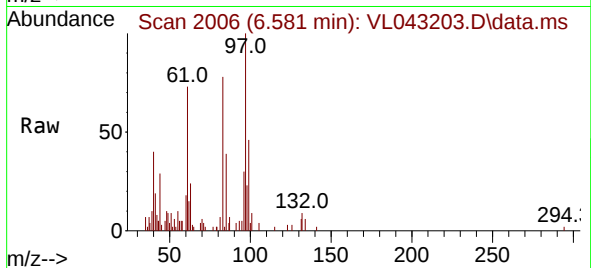
Ion Ratio Lower Upper

97 100

83 70.2 64.6 97.0

85 11.0 39.4 59.2#

99 18.5 47.0 70.6#



#48

Dibromochloromethane

Concen: 0.492 ppbv

RT: 7.380 min Scan# 2253

Delta R.T. 0.003 min

Lab File: VL043203.D

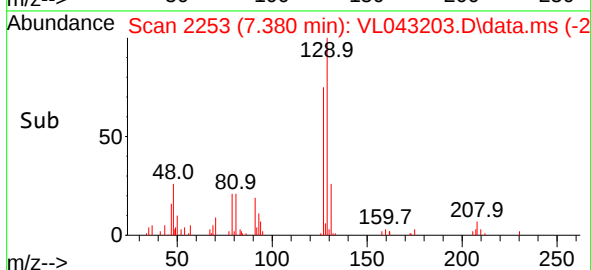
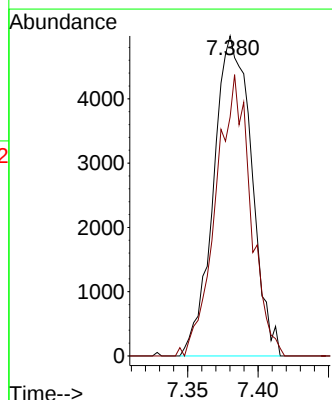
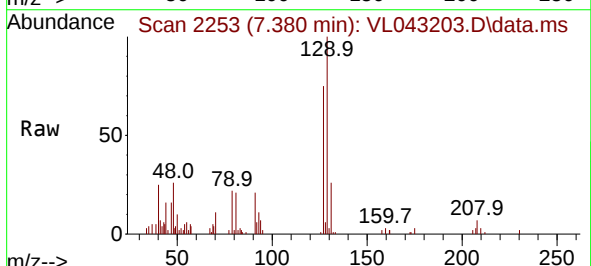
Acq: 18 Nov 2025 09:29

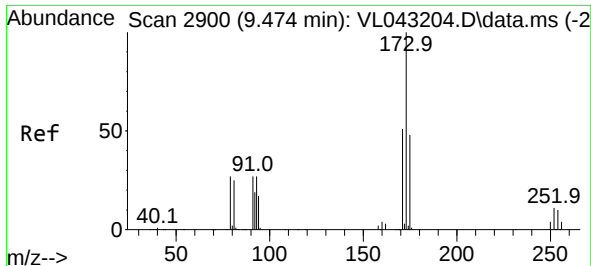
Tgt Ion: 129 Resp: 9327

Ion Ratio Lower Upper

129 100

127 80.8 39.3 117.9

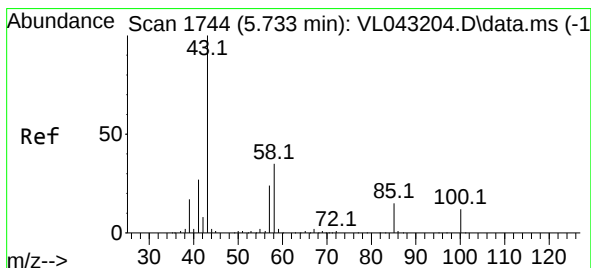
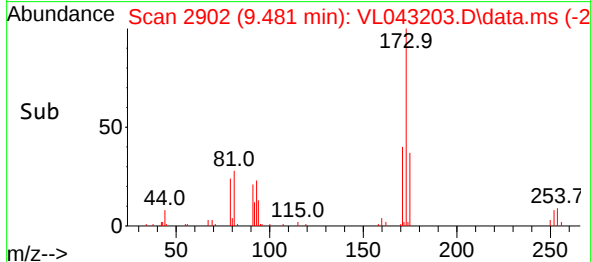
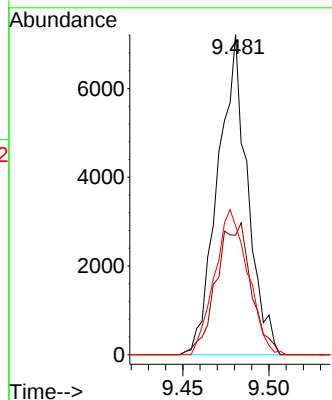
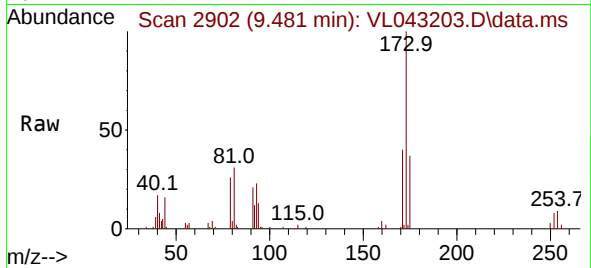




#49
Bromoform
Concen: 0.514 ppbv
RT: 9.481 min Scan# 2900
Delta R.T. 0.007 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

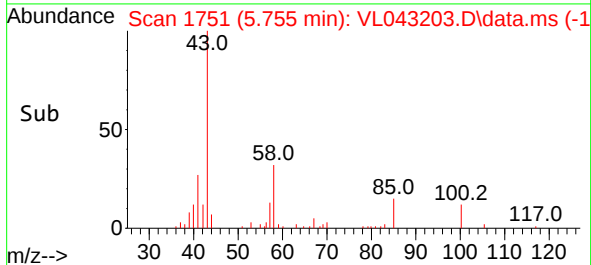
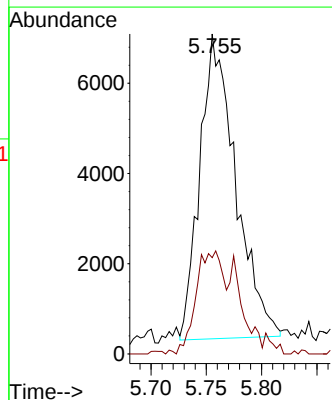
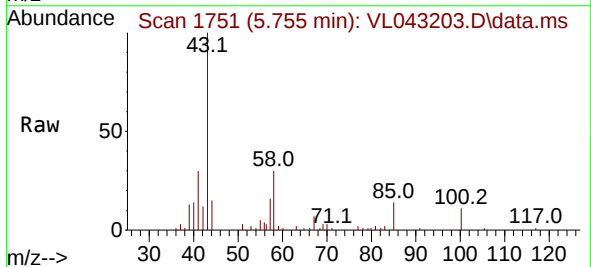
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

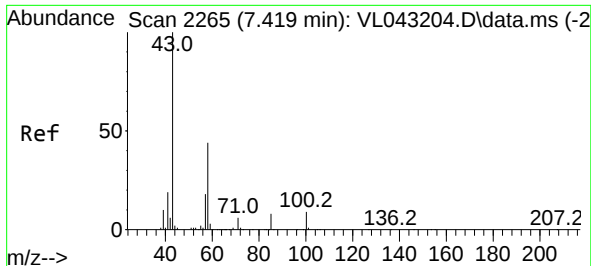
Tgt Ion:173 Resp: 8636
Ion Ratio Lower Upper
173 100
175 48.4 38.6 58.0
171 50.9 40.6 61.0



#50
4-Methyl-2-Pentanone
Concen: 0.515 ppbv
RT: 5.755 min Scan# 1751
Delta R.T. 0.023 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 43 Resp: 15190
Ion Ratio Lower Upper
43 100
58 40.3 28.4 42.6

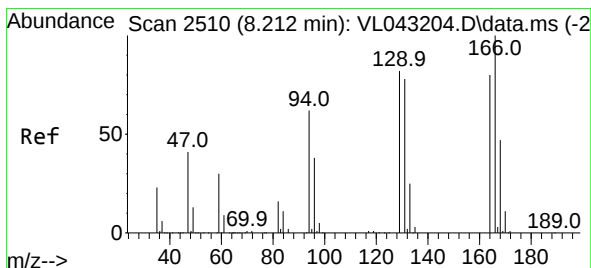
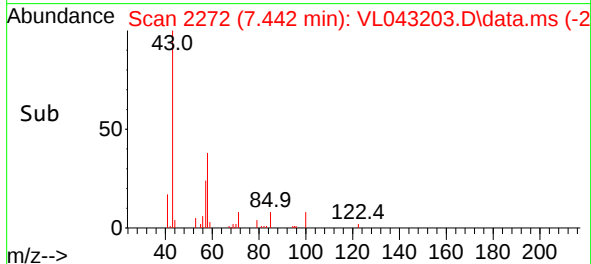
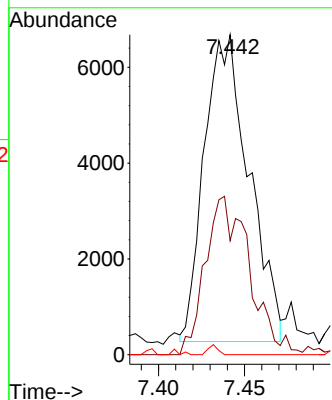
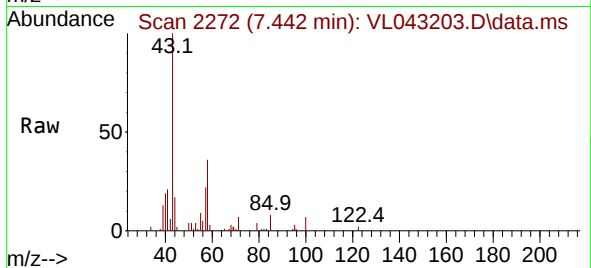




#51
2-Hexanone
Concen: 0.506 ppbv
RT: 7.442 min Scan# 2115
Delta R.T. 0.023 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

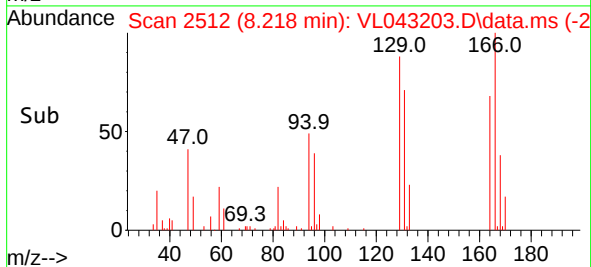
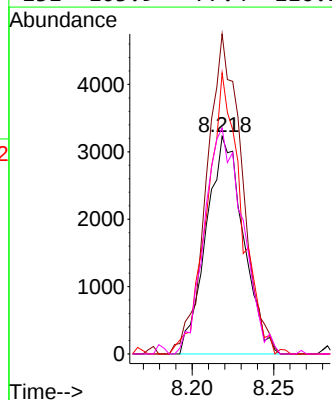
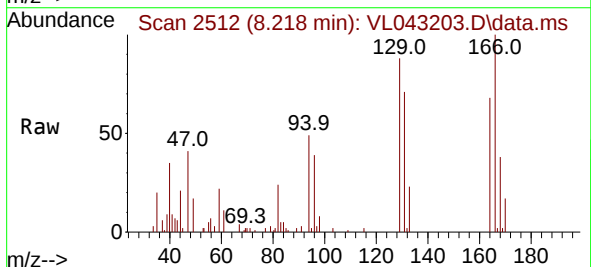
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

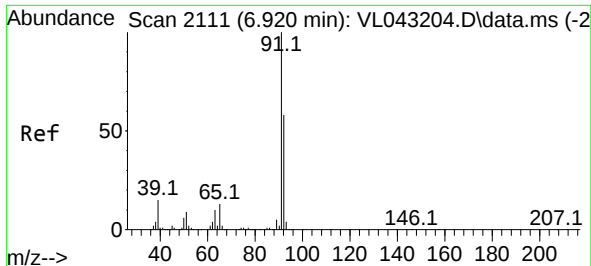
Tgt Ion: 43 Resp: 11594
Ion Ratio Lower Upper
43 100
58 52.6 38.4 57.6
98 0.7 0.0 0.0#



#52
Tetrachloroethene
Concen: 0.483 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 164 Resp: 5097
Ion Ratio Lower Upper
164 100
166 147.2 99.4 149.2
129 127.2 81.8 122.8#
131 103.9 77.4 116.2

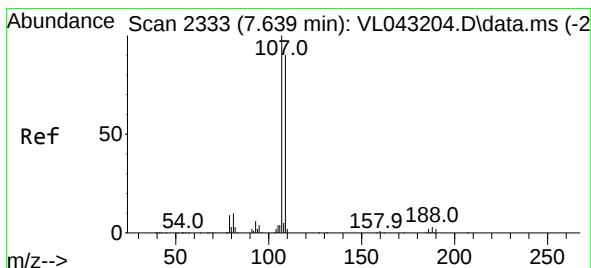
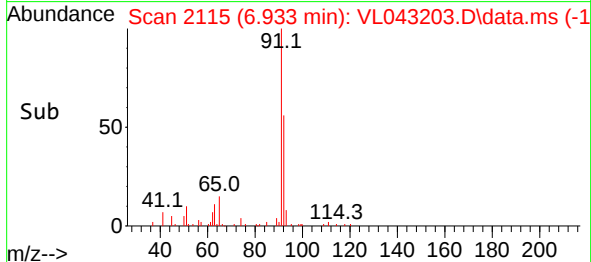
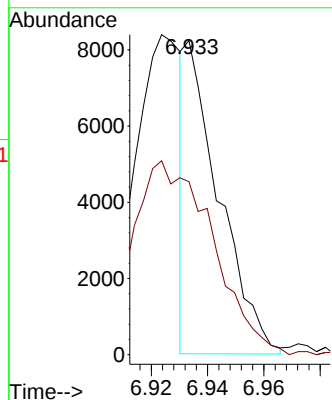
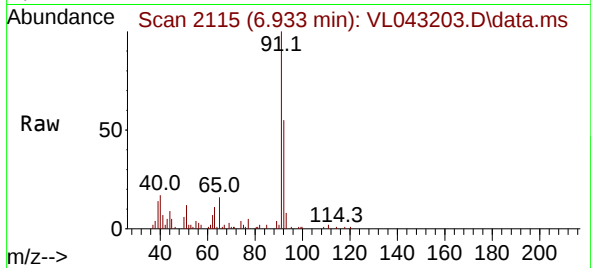




#53
Toluene
Concen: 0.203 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. 0.013 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

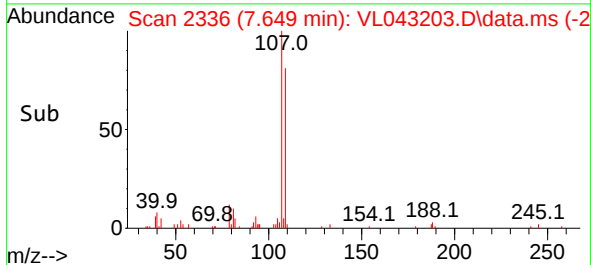
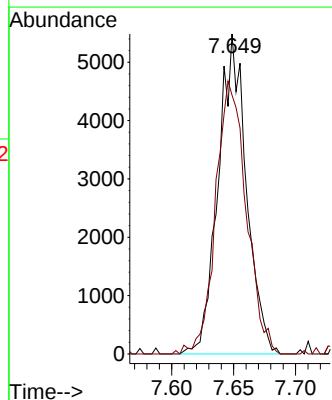
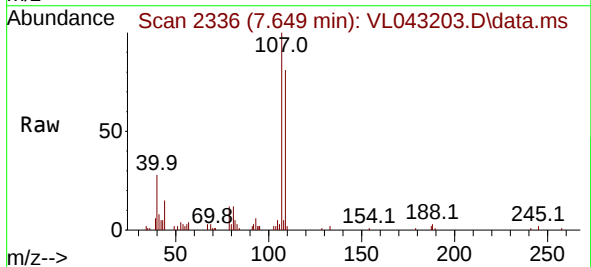
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

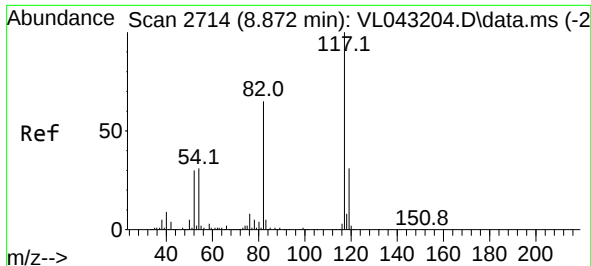
Tgt Ion: 91 Resp: 6863
Ion Ratio Lower Upper
91 100
92 0.0 47.4 71.0#



#54
1,2-Dibromoethane
Concen: 0.537 ppbv
RT: 7.649 min Scan# 2336
Delta R.T. 0.010 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 107 Resp: 8708
Ion Ratio Lower Upper
107 100
109 80.8 72.1 108.1

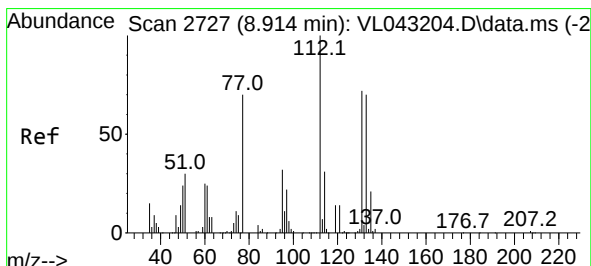
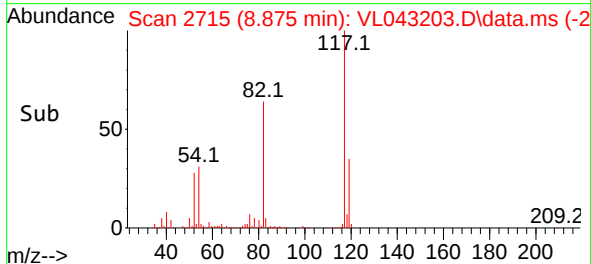
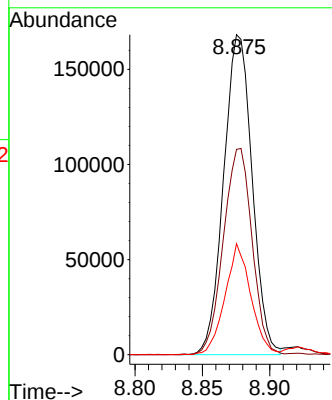
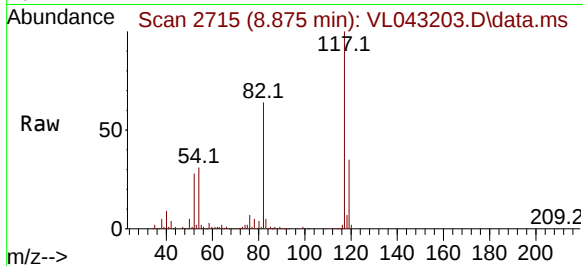




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

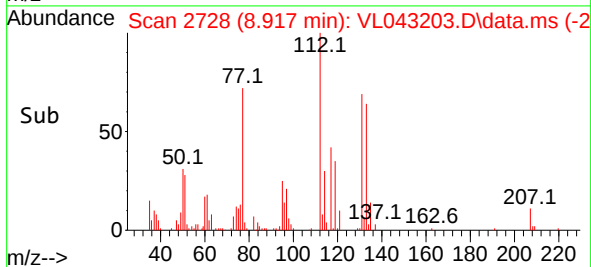
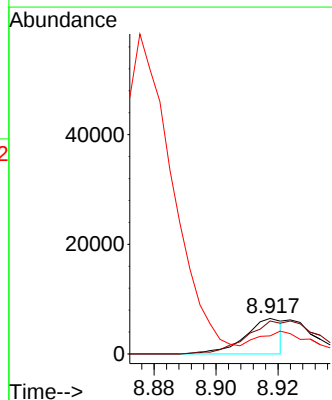
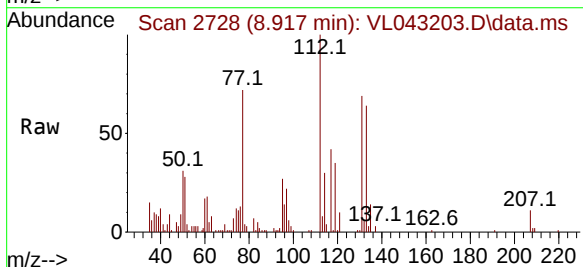
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

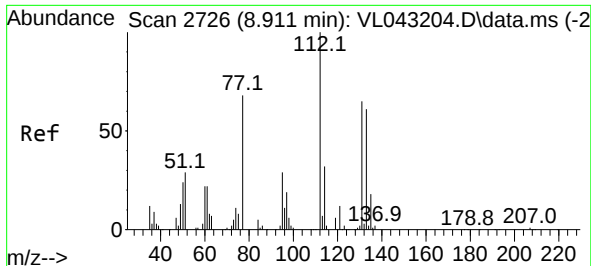
Tgt Ion:117 Resp: 247761
Ion Ratio Lower Upper
117 100
82 65.5 56.1 84.1
119 31.6 25.0 37.6



#56
1,1,1,2-Tetrachloroethane
Concen: 0.298 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:131 Resp: 5419
Ion Ratio Lower Upper
131 100
133 177.8 77.4 116.2#
119 91.4 49.1 73.7#

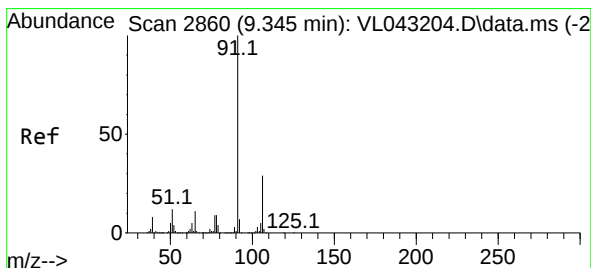
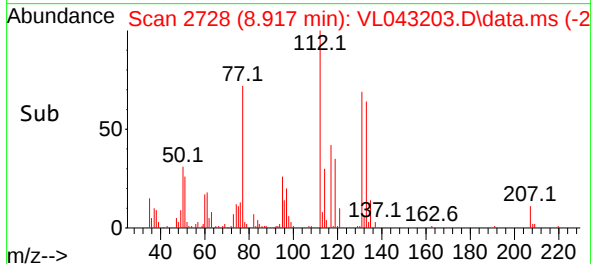
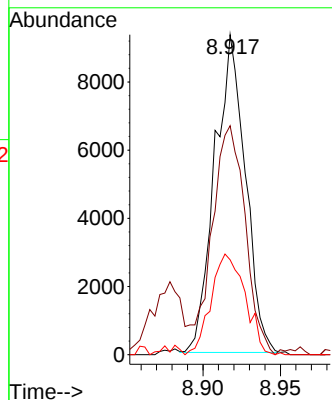
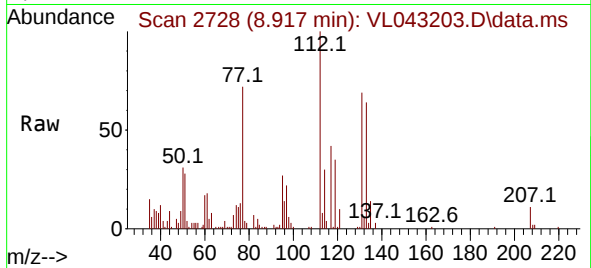




#57
Chlorobenzene
Concen: 0.504 ppbv
RT: 8.917 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

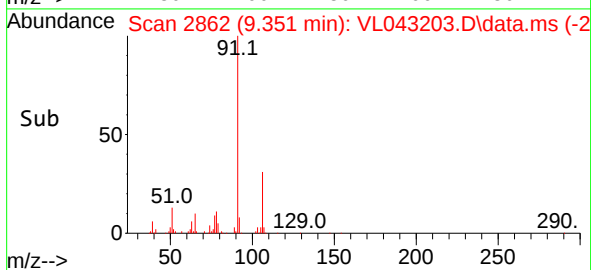
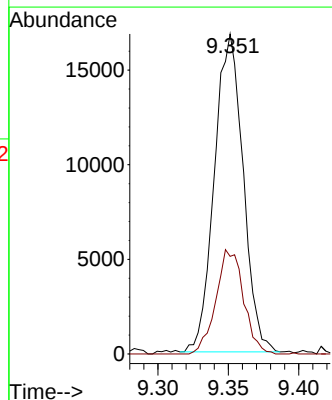
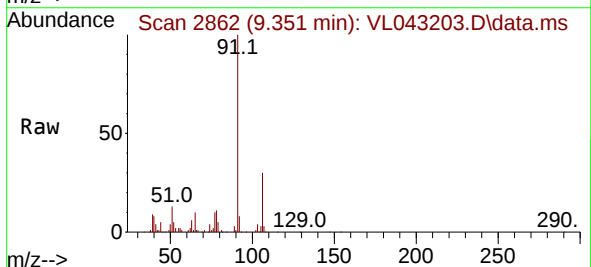
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

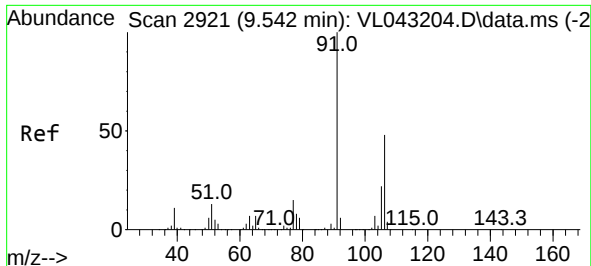
Tgt Ion:112 Resp: 12818
Ion Ratio Lower Upper
112 100
77 69.0 55.5 83.3
114 29.2 29.1 35.5



#58
Ethyl Benzene
Concen: 0.500 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 91 Resp: 23866
Ion Ratio Lower Upper
91 100
106 30.7 22.8 34.2





#59

m/p-Xylene

Concen: 0.507 ppbv

RT: 9.549 min Scan# 2921

Delta R.T. 0.007 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA_1

ClientSampleId :

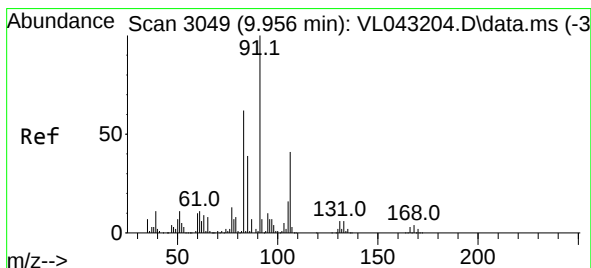
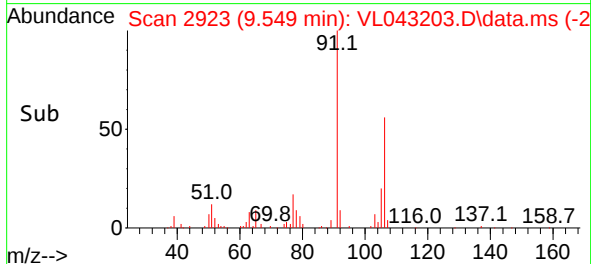
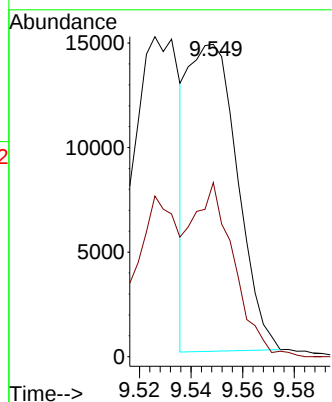
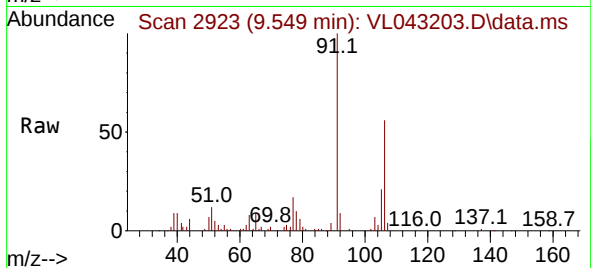
VSTDIC0.5

Tgt Ion: 91 Resp: 19470

Ion Ratio Lower Upper

91 100

106 94.6 36.1 54.1#



#60

o-Xylene

Concen: 0.514 ppbv

RT: 9.956 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VL043203.D

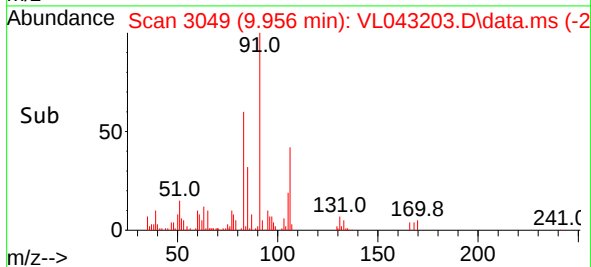
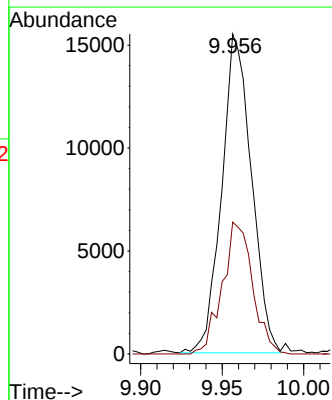
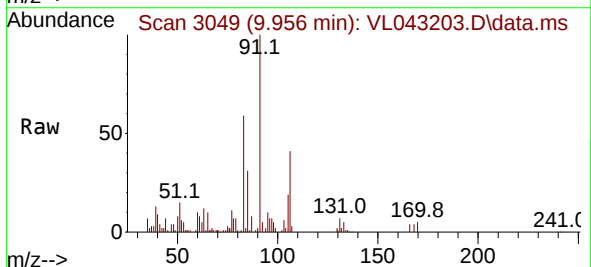
Acq: 18 Nov 2025 09:29

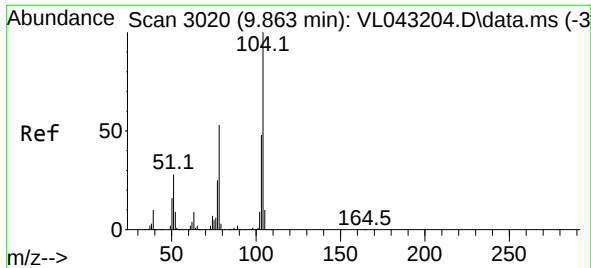
Tgt Ion: 91 Resp: 19621

Ion Ratio Lower Upper

91 100

106 42.0 20.9 62.8





#61

Styrene

Concen: 0.496 ppbv

RT: 9.869 min Scan# 3020

Delta R.T. 0.007 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

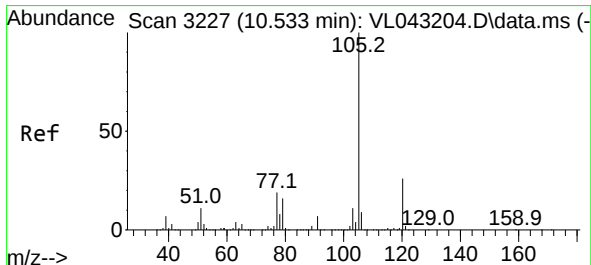
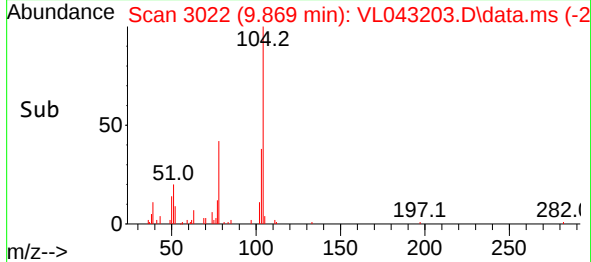
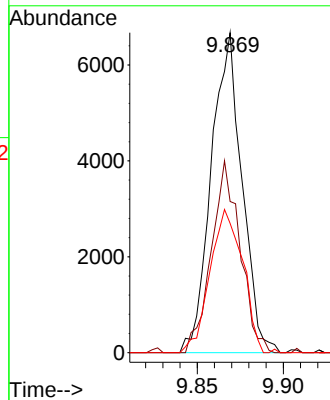
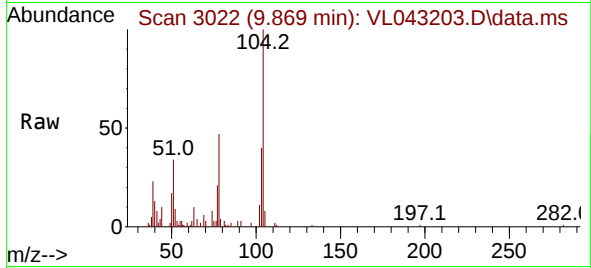
Tgt Ion:104 Resp: 8287

Ion Ratio Lower Upper

104 100

78 56.3 42.1 63.1

103 47.8 37.2 55.8



#62

Isopropylbenzene

Concen: 0.509 ppbv

RT: 10.536 min Scan# 3228

Delta R.T. 0.003 min

Lab File: VL043203.D

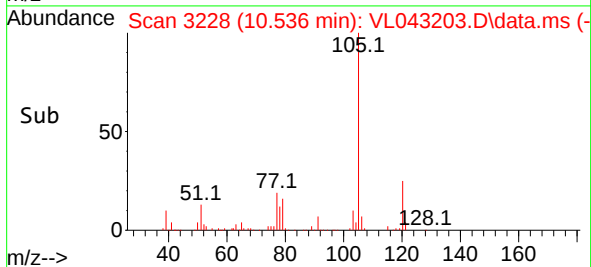
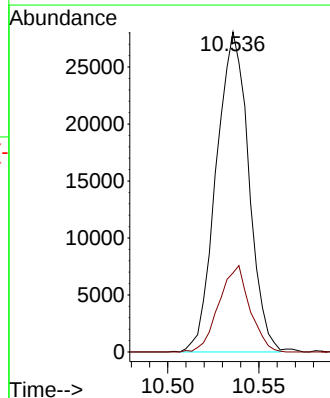
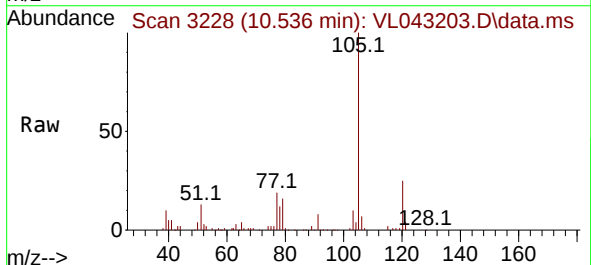
Acq: 18 Nov 2025 09:29

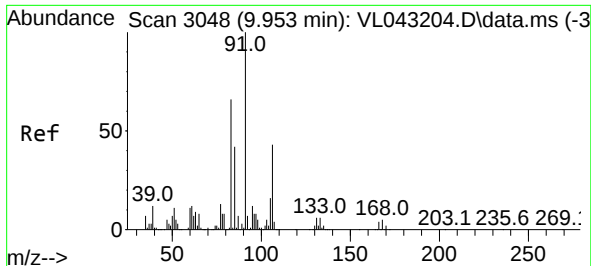
Tgt Ion:105 Resp: 34773

Ion Ratio Lower Upper

105 100

120 25.6 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.519 ppbv

RT: 9.960 min Scan# 3048

Delta R.T. 0.006 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.5

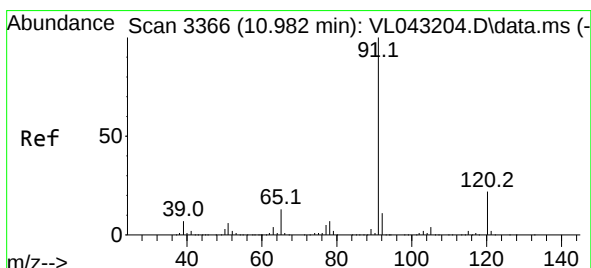
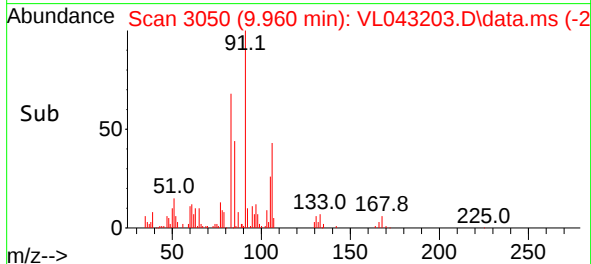
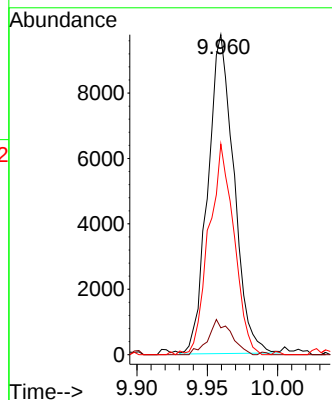
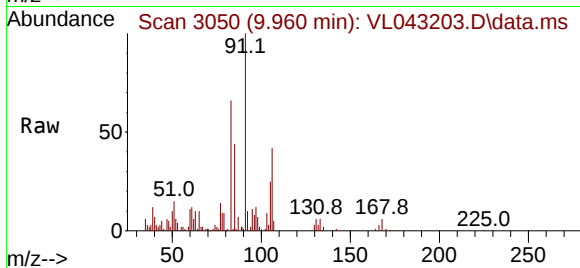
Tgt Ion: 83 Resp: 12591

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.3

85 64.0 31.9 95.9



#64

n-propylbenzene

Concen: 0.509 ppbv

RT: 10.986 min Scan# 3367

Delta R.T. 0.003 min

Lab File: VL043203.D

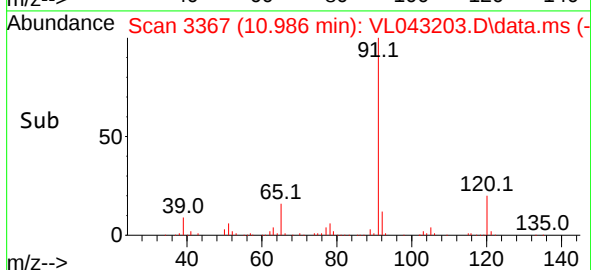
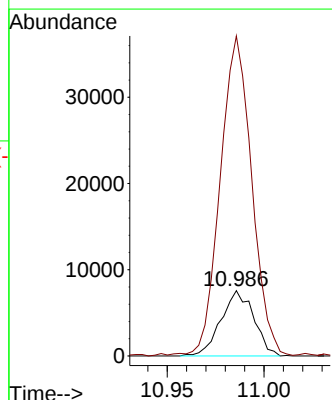
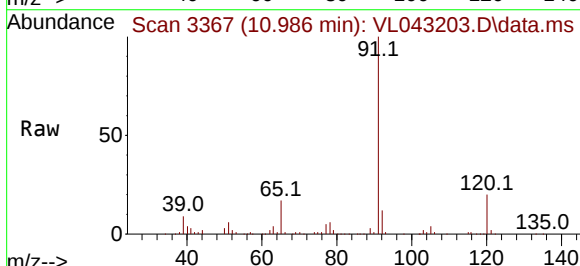
Acq: 18 Nov 2025 09:29

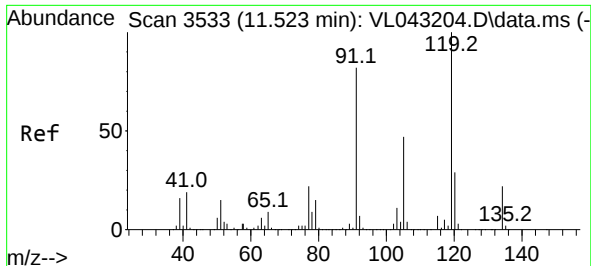
Tgt Ion: 120 Resp: 8945

Ion Ratio Lower Upper

120 100

91 472.3 377.1 565.7

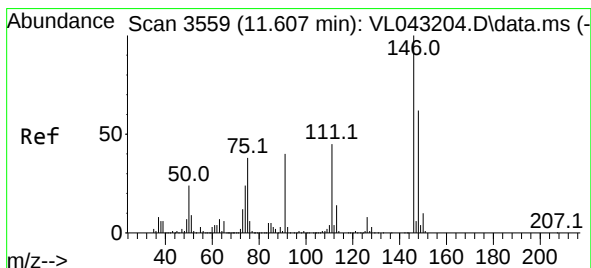
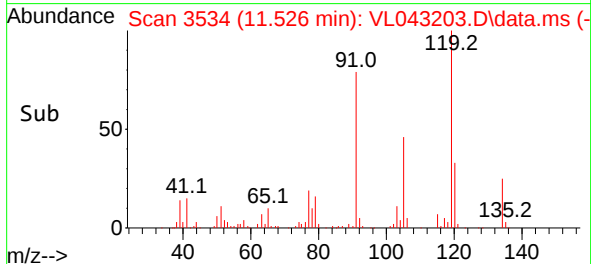
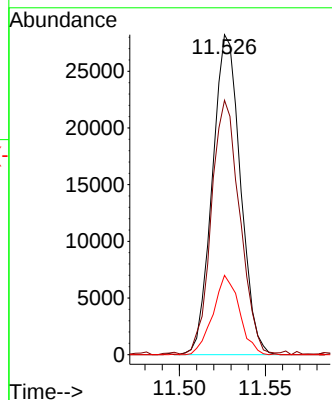
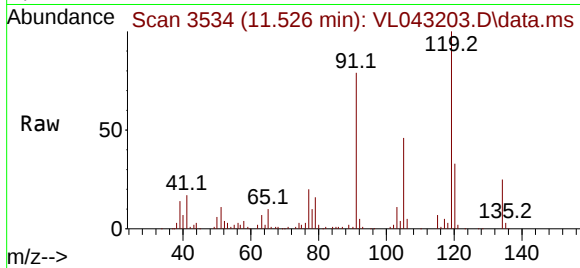




#65
tert-Butylbenzene
Concen: 0.524 ppbv
RT: 11.526 min Scan# 31998
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

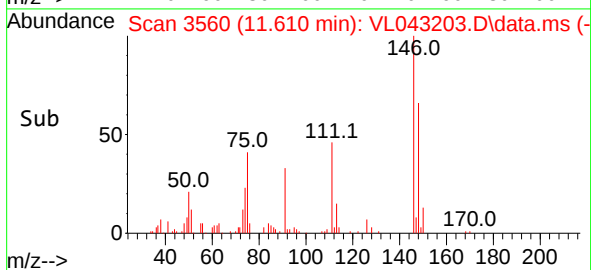
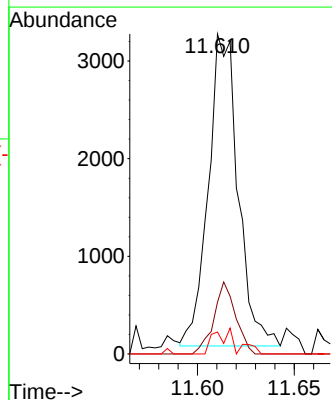
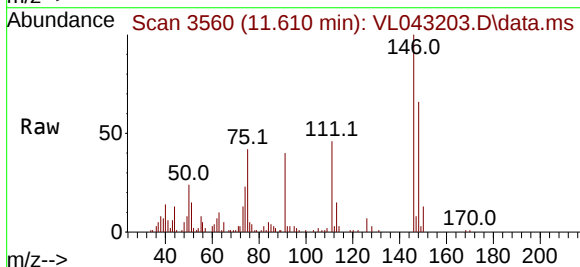
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

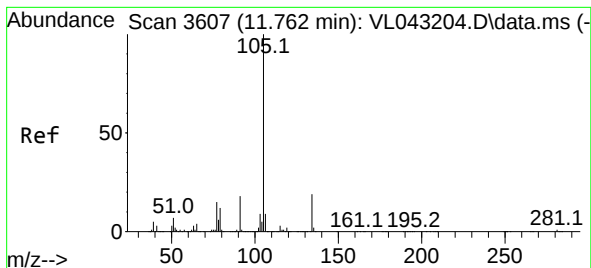
Tgt Ion:	119	Resp:	31998
Ion	Ratio	Lower	Upper
119	100		
91	81.6	65.3	97.9
134	23.4	17.0	25.4



#66
Benzyl Chloride
Concen: 0.550 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:	91	Resp:	3403
Ion	Ratio	Lower	Upper
91	100		
126	16.8	14.4	21.6
128	6.1	4.6	6.8





#67

sec-Butylbenzene

Concen: 0.522 ppbv

RT: 11.766 min Scan# 30

Delta R.T. 0.003 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA_1

ClientSampleId :

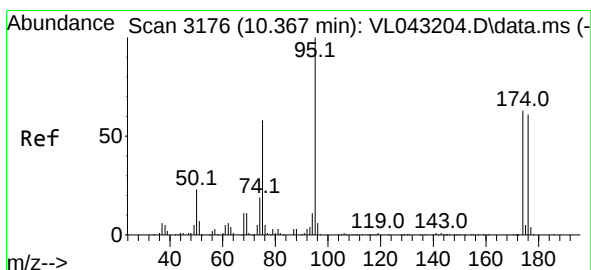
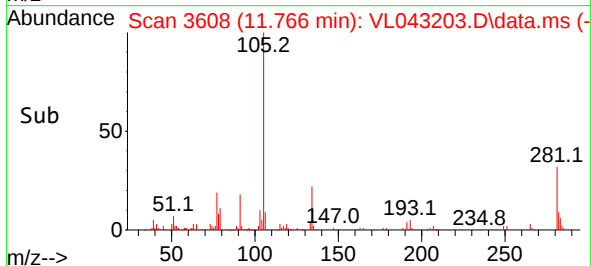
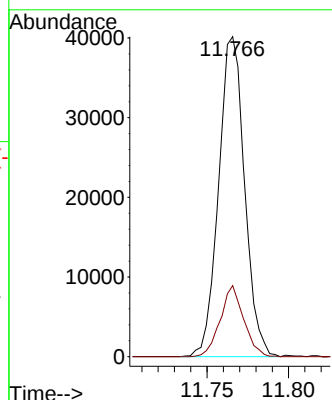
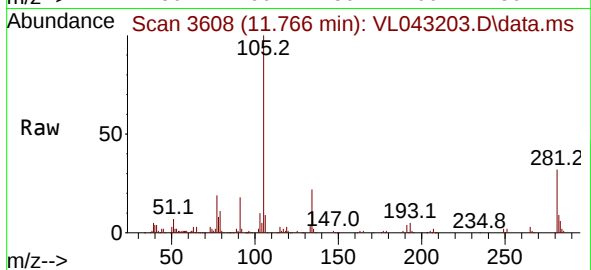
VSTDIC0.5

Tgt Ion:105 Resp: 44448

Ion Ratio Lower Upper

105 100

134 20.0 15.0 22.6



#68

1-Bromo-4-Fluorobenzene

Concen: 9.941 ppbv

RT: 10.371 min Scan# 3177

Delta R.T. 0.003 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

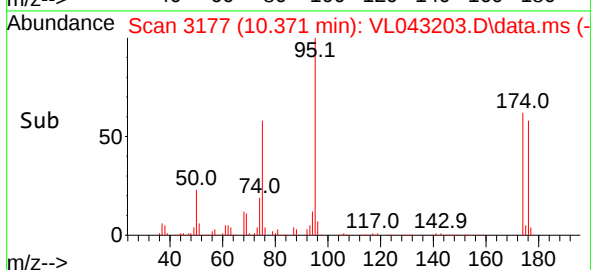
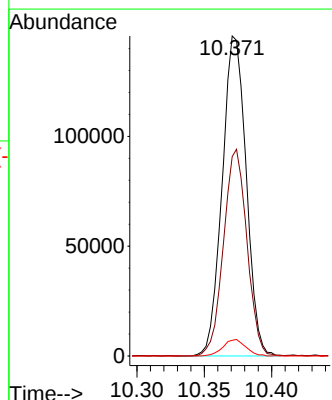
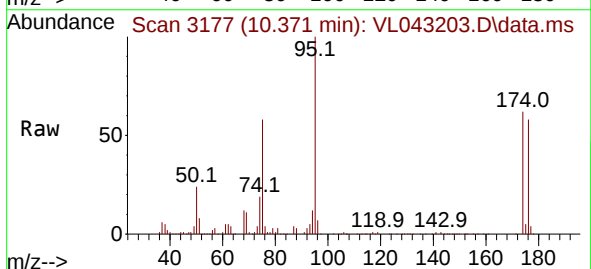
Tgt Ion: 95 Resp: 180529

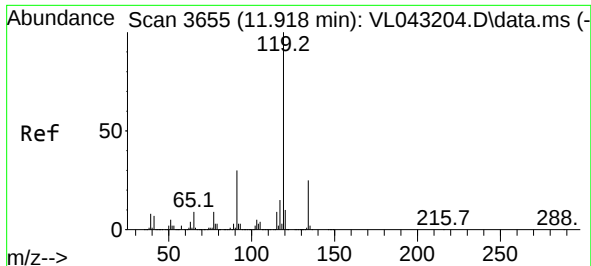
Ion Ratio Lower Upper

95 100

174 63.2 50.2 75.2

175 4.9 4.1 6.1

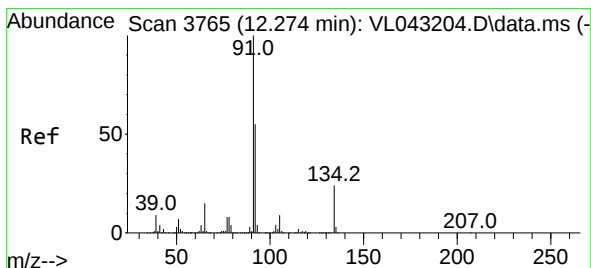
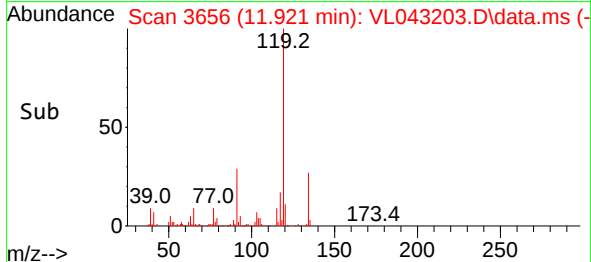
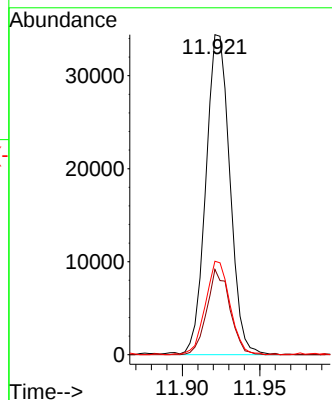
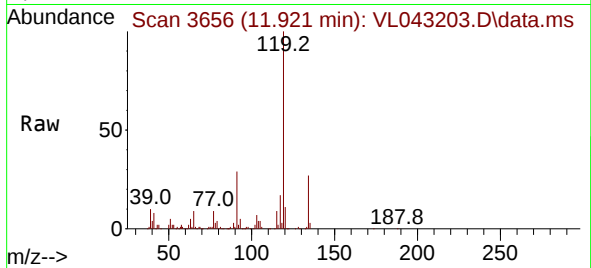




#69
p-Isopropyltoluene
Concen: 0.514 ppbv
RT: 11.921 min Scan# 3656
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

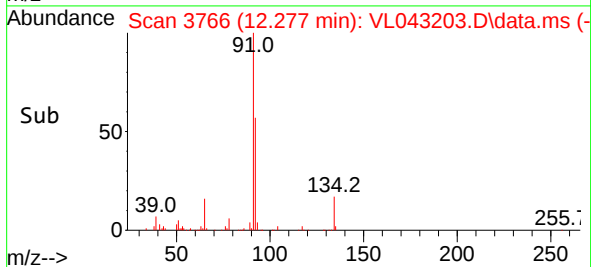
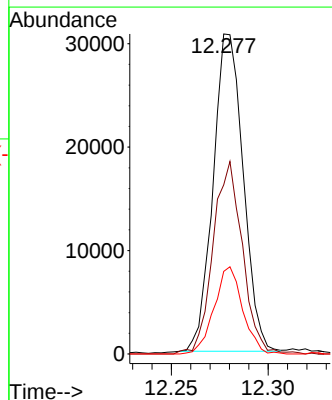
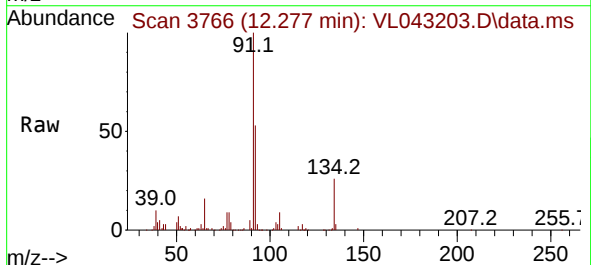
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

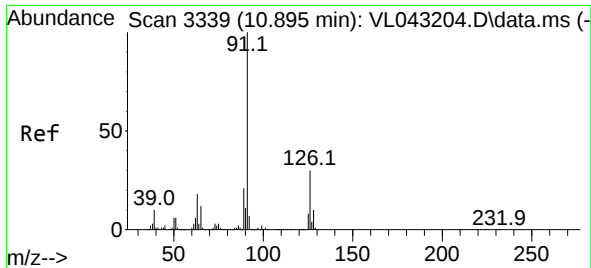
Tgt Ion:119 Resp: 37087
Ion Ratio Lower Upper
119 100
134 25.4 20.2 30.2
91 29.9 23.8 35.8



#70
n-Butylbenzene
Concen: 0.474 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 91 Resp: 33153
Ion Ratio Lower Upper
91 100
92 59.3 43.5 65.3
134 26.3 19.0 28.6

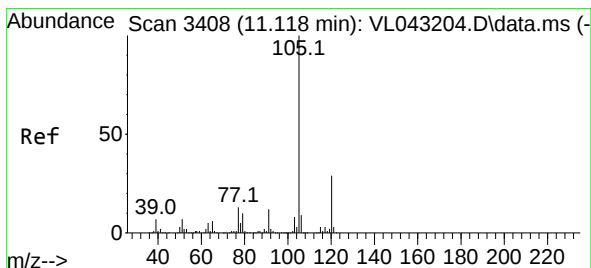
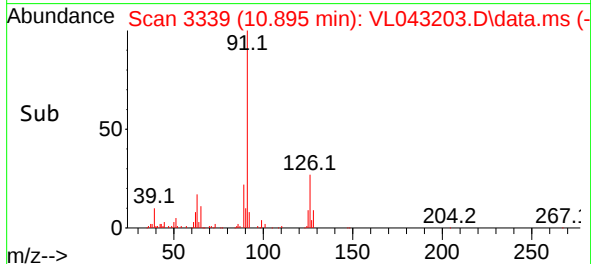
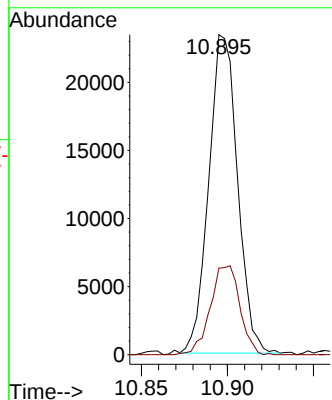
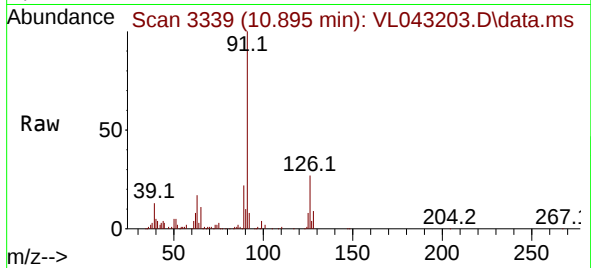




#71
2-Chlorotoluene
Concen: 0.518 ppbv
RT: 10.895 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

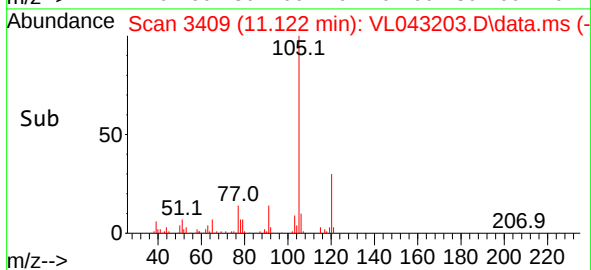
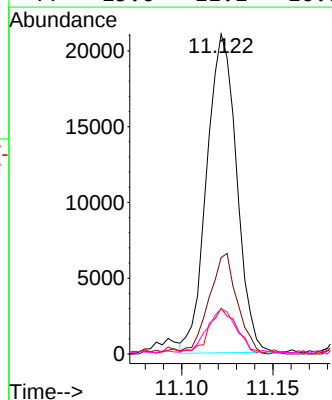
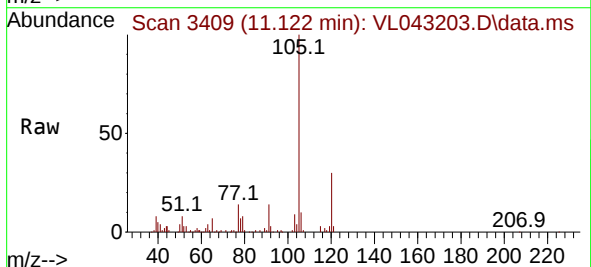
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

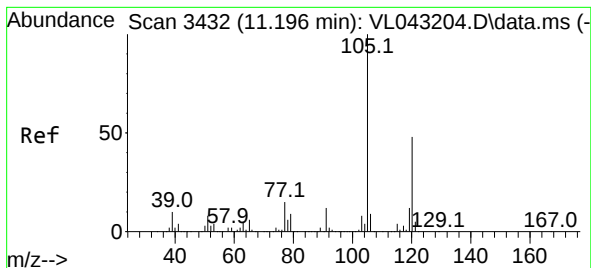
Tgt Ion: 91 Resp: 27224
Ion Ratio Lower Upper
91 100
126 28.6 11.7 46.7



#72
4-Ethyltoluene
Concen: 0.515 ppbv
RT: 11.122 min Scan# 3409
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 105 Resp: 23963
Ion Ratio Lower Upper
105 100
120 31.3 23.8 35.8
91 14.6 10.3 15.5
77 15.6 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 0.515 ppbv

RT: 11.199 min Scan# 3432

Delta R.T. 0.003 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA_1

ClientSampleId :

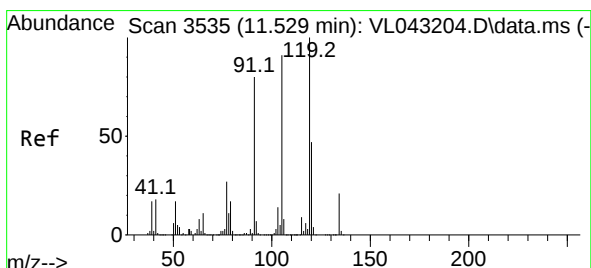
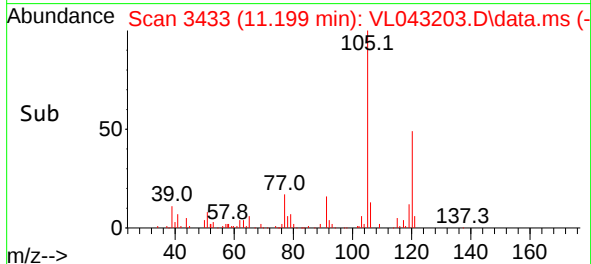
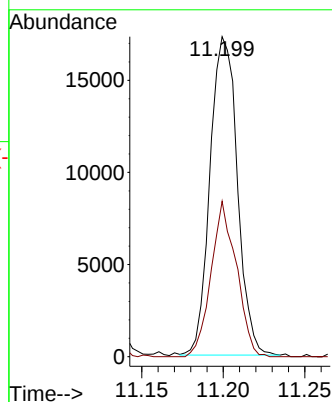
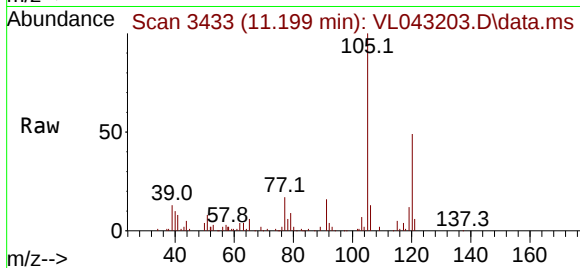
VSTDIC0.5

Tgt Ion:105 Resp: 20104

Ion Ratio Lower Upper

105 100

120 48.8 38.6 57.8



#74

1,2,4-Trimethylbenzene

Concen: 0.522 ppbv

RT: 11.533 min Scan# 3536

Delta R.T. 0.003 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Tgt Ion:105 Resp: 22254

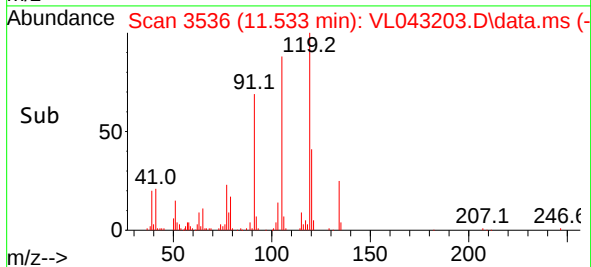
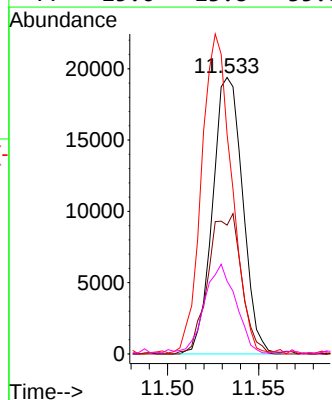
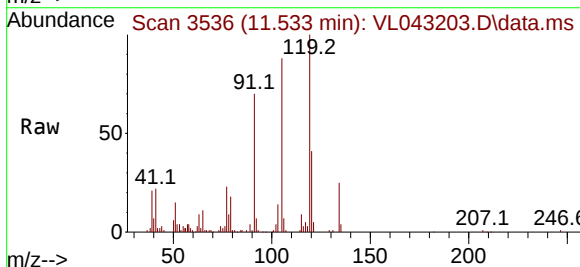
Ion Ratio Lower Upper

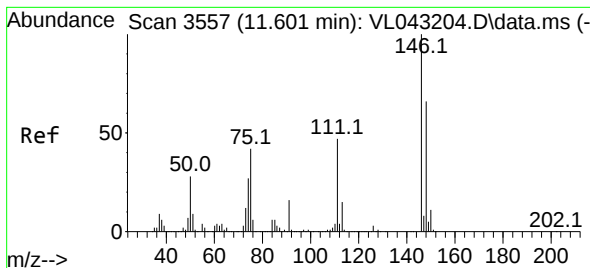
105 100

120 46.6 41.7 62.5

91 77.8 70.0 105.0

77 25.6 23.8 35.8





#75

1,3-Dichlorobenzene

Concen: 0.520 ppbv

RT: 11.604 min Scan# 3557

Delta R.T. 0.003 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

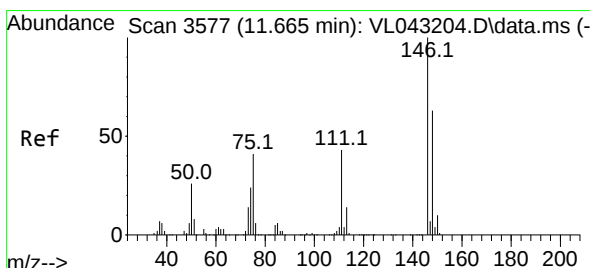
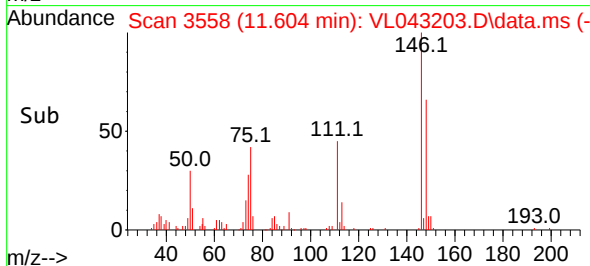
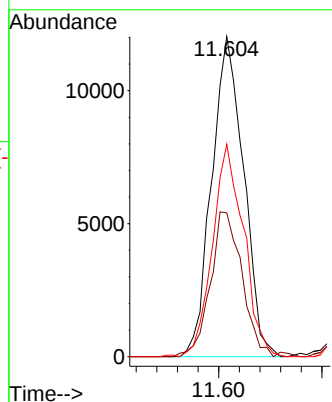
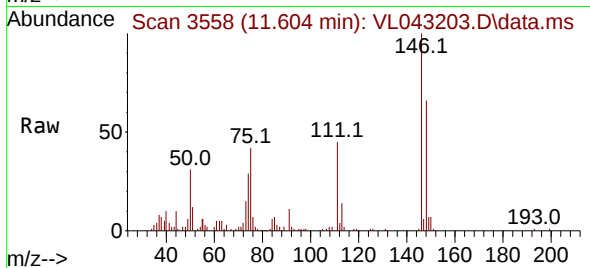
Tgt Ion:146 Resp: 12926

Ion Ratio Lower Upper

146 100

111 45.1 23.4 70.3

148 64.7 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 0.526 ppbv

RT: 11.672 min Scan# 3579

Delta R.T. 0.007 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

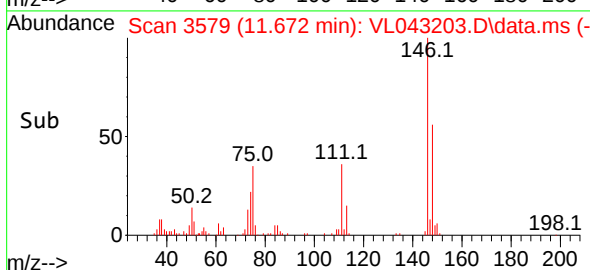
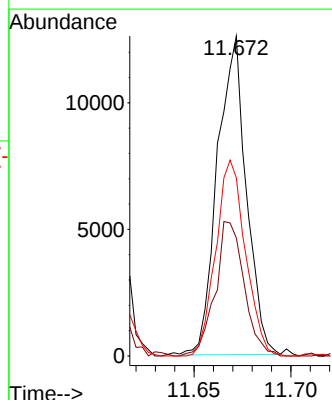
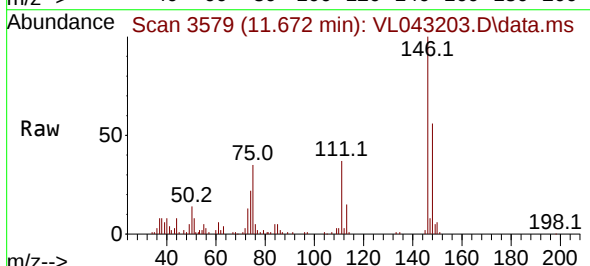
Tgt Ion:146 Resp: 13076

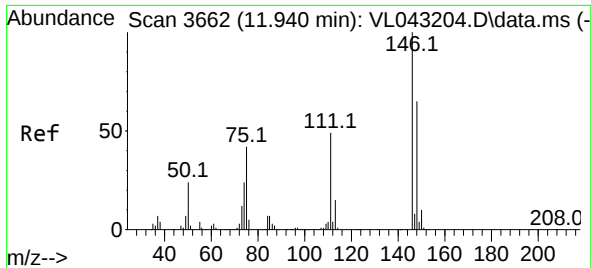
Ion Ratio Lower Upper

146 100

111 42.1 22.8 68.3

148 63.8 31.8 95.4

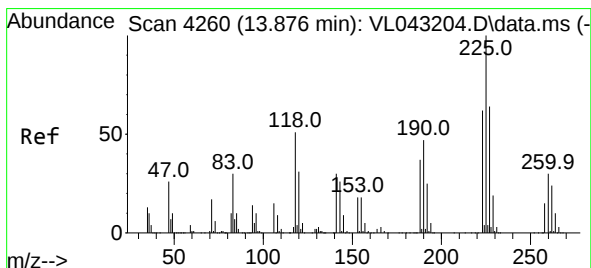
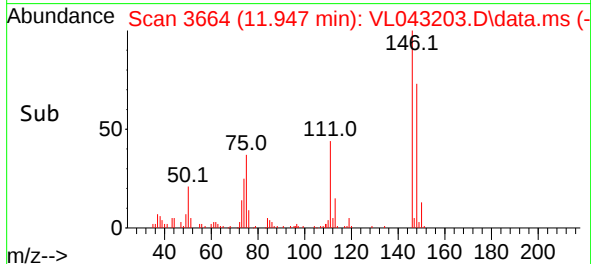
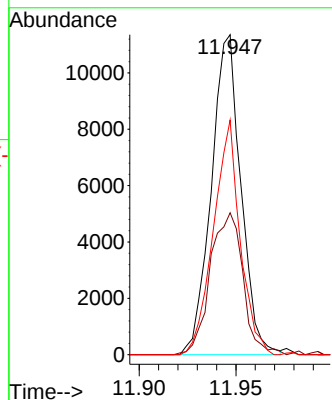
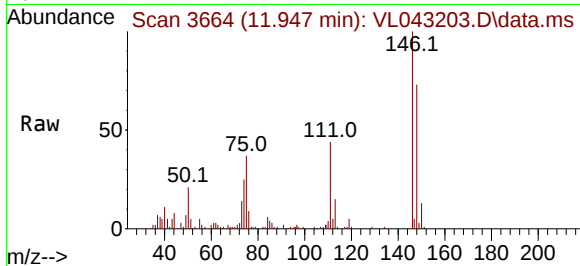




#77
1,2-Dichlorobenzene
Concen: 0.505 ppbv
RT: 11.947 min Scan# 30
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

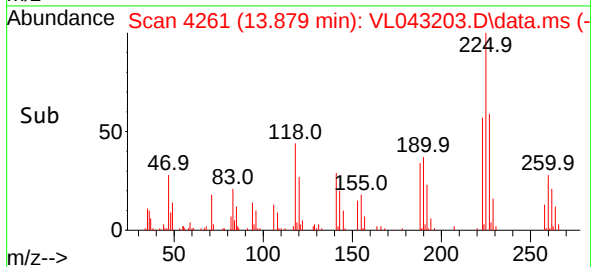
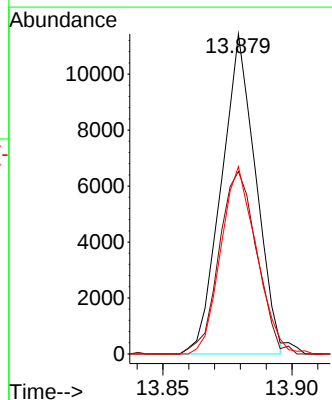
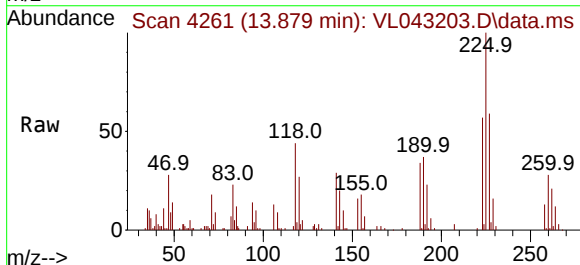
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

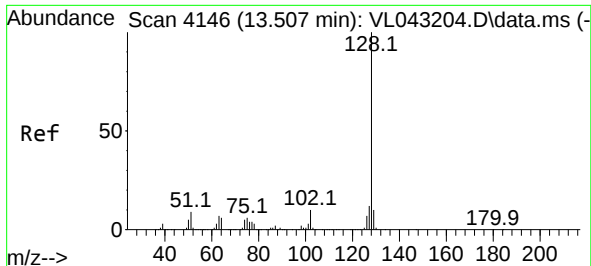
Tgt Ion:	146	Resp:	12069
Ion Ratio	Lower	Upper	
146	100		
111	49.5	24.3	73.0
148	66.3	31.6	94.7



#78
Hexachloro-1,3-Butadiene
Concen: 0.530 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:	225	Resp:	10578
Ion Ratio	Lower	Upper	
225	100		
223	62.7	50.2	75.4
227	61.0	51.1	76.7





#79

Naphthalene

Concen: 0.486 ppbv

RT: 13.513 min Scan# 4146

Delta R.T. 0.007 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

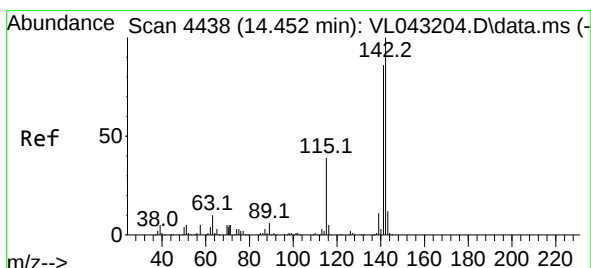
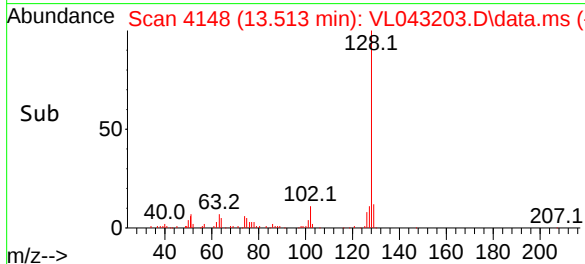
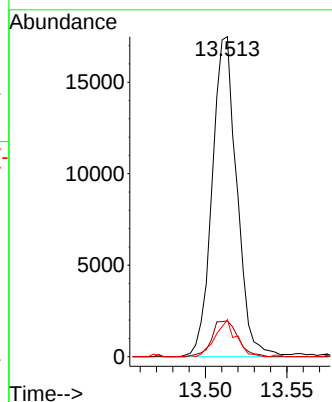
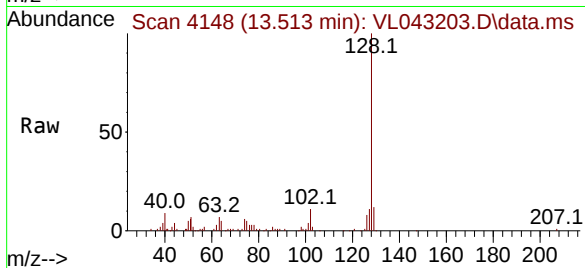
Tgt Ion:128 Resp: 18377

Ion Ratio Lower Upper

128 100

127 11.2 9.9 14.9

129 11.5 8.4 12.6



#80

Naphthalene,2-methyl-

Concen: 0.495 ppbv

RT: 14.462 min Scan# 4441

Delta R.T. 0.010 min

Lab File: VL043203.D

Acq: 18 Nov 2025 09:29

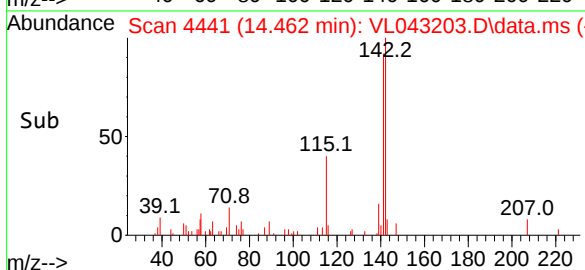
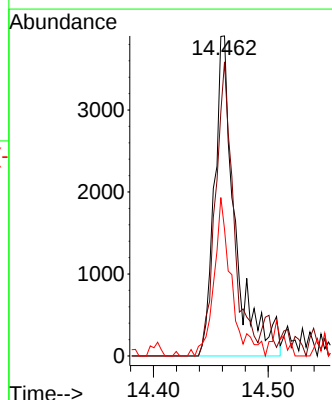
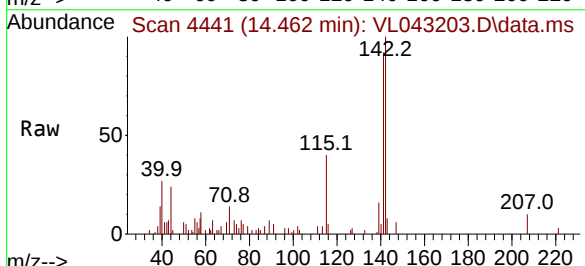
Tgt Ion:142 Resp: 4917

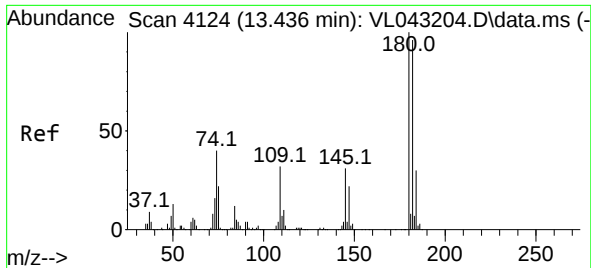
Ion Ratio Lower Upper

142 100

141 90.2 67.1 100.7

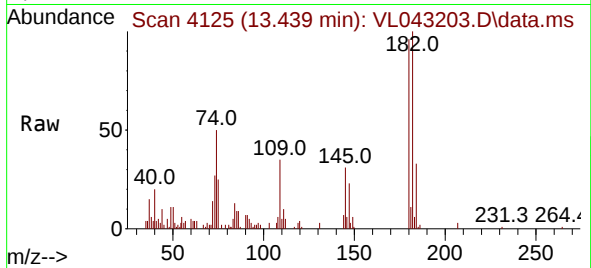
115 47.3 31.9 47.9





#81
 1,2,4-Trichlorobenzene
 Concen: 0.402 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL043203.D
 Acq: 18 Nov 2025 09:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:	180	Resp:	6798
Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.4	116.2
184	34.3	24.2	36.4

