

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043035.D
 Acq On : 02 Oct 2025 12:02
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: Oct 03 02:10:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 02:03:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.777	49	177300	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.942	114	517146	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.865	117	425928	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.364	95	308574	10.057	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.600%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	1.495	85	15897	0.532	ppbv	97
3) Chlorodifluoromethane	1.473	51	14910	0.516	ppbv	96
4) Chloromethane	1.531	50	5479	0.502	ppbv	98
5) Vinyl Chloride	1.576	62	5074	0.490	ppbv	95
6) Bromomethane	1.664	94	2578	0.554	ppbv	95
7) Chloroethane	1.699	64	2234	0.517	ppbv	89
8) Dichlorotetrafluoroethane	1.551	85	12891	0.526	ppbv	99
9) Propene	1.483	41	6301	0.541	ppbv	97
10) Heptane	4.959	43	12261	0.427	ppbv	98
11) Trichlorofluoromethane	1.871	101	15460	0.503	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.133	101	12668	0.524	ppbv	99
13) Ethanol	1.716	45	571	0.082	ppbv #	31
14) Bromoethene	1.777	108	4504	0.519	ppbv #	94
15) Acetone	1.832	43	14038	0.565	ppbv	96
16) 1,3-Butadiene	1.606	39	5688	0.556	ppbv	98
17) tert-Butyl alcohol	2.036	59	13561	0.516	ppbv #	92
18) 1,1-Dichloroethene	2.030	96	5445	0.514	ppbv	88
19) Isopropyl Alcohol	1.881	45	6542	0.550	ppbv #	31
20) Methylene Chloride	2.055	84	7176	0.662	ppbv	96
21) Allyl Chloride	2.091	41	8204	0.516	ppbv	98
22) trans-1,2-Dichloroethene	2.334	96	6132	0.509	ppbv	96
23) Vinyl Acetate	2.454	43	3538	0.671	ppbv #	91
24) 1,1-Dichloroethane	2.402	63	12094	0.530	ppbv	97
25) Ethyl Acetate	2.826	43	29195	0.469	ppbv	98
26) Hexane	2.816	57	11374	0.475	ppbv	94
27) Carbon Disulfide	2.143	76	14301	0.506	ppbv #	58
28) Methyl tert-Butyl Ether	2.431	73	8280	0.552	ppbv	100
29) Chloroform	2.839	83	20555	0.503	ppbv	98
30) Cyclohexane	3.845	84	8774	0.446	ppbv	94
31) cis-1,2-Dichloroethene	2.709	61	11947	0.485	ppbv	96
32) 1,1,1-Trichloroethane	3.357	97	18993	0.478	ppbv	97
34) 2-Butanone	2.551	43	17703	0.505	ppbv	100
35) Carbon Tetrachloride	3.748	117	21027	0.494	ppbv	98
36) Benzene	3.641	78	24552	0.497	ppbv	98
37) 1,2-Dichloroethane	3.208	62	15541	0.531	ppbv	99
38) Trichloroethene	4.535	130	10581	0.514	ppbv	90
39) 1,2-Dichloropropane	4.298	63	9393	0.513	ppbv	87
40) 1,4-Dioxane	4.580	88	2452	0.312	ppbv #	1
41) Tetrahydrofuran	3.046	42	8215	0.453	ppbv	97
42) Bromodichloromethane	4.470	83	20289	0.491	ppbv	91
43) Methyl Methacrylate	4.858	69	3560	0.217	ppbv #	1
44) 2,2,4-Trimethylpentane	4.622	57	35845	0.452	ppbv	93
45) t-1,3-Dichloropropene	6.393	75	3531	0.238	ppbv	100

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

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Oct 03 02:10:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 02:03:14 2025
 Response via : Initial Calibration

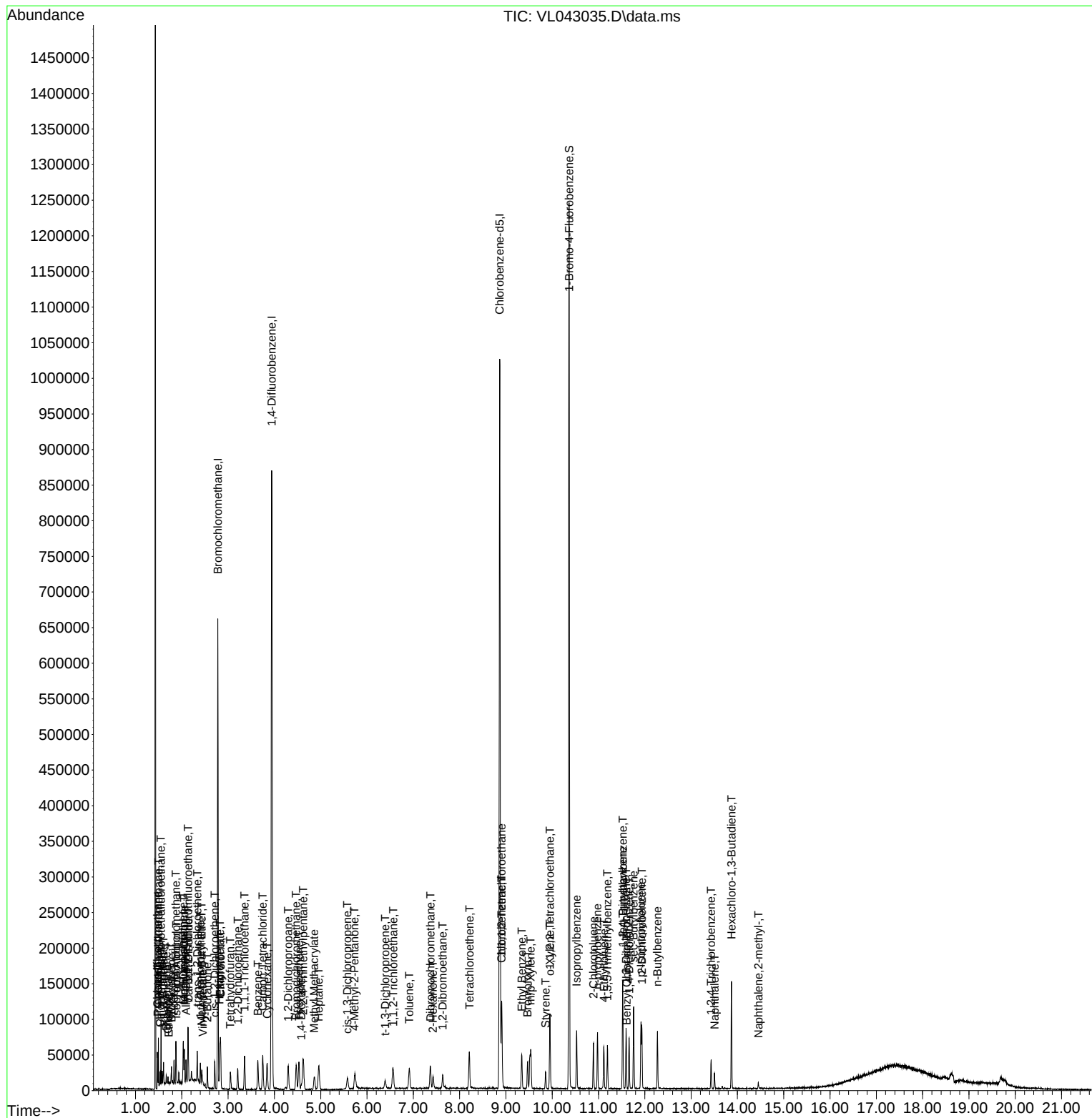
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.574	75	5933	0.281	ppbv	96
47) 1,1,2-Trichloroethane	6.571	97	3242	0.159	ppbv	92
48) Dibromochloromethane	7.370	129	16456	0.495	ppbv	97
49) Bromoform	9.467	173	12720	0.458	ppbv	98
50) 4-Methyl-2-Pentanone	5.729	43	5791	0.135	ppbv #	39
51) 2-Hexanone	7.422	43	6010	0.198	ppbv #	29
52) Tetrachloroethene	8.211	164	9020	0.490	ppbv	95
53) Toluene	6.914	91	20668	0.414	ppbv	98
54) 1,2-Dibromoethane	7.632	107	11508	0.477	ppbv	91
56) 1,1,1,2-Tetrachloroethane	8.907	131	13550	0.522	ppbv #	1
57) Chlorobenzene	8.904	112	23267	0.517	ppbv #	93
58) Ethyl Benzene	9.344	91	26120	0.396	ppbv	95
59) m/p-Xylene	9.535	91	22769	0.409	ppbv #	37
60) o-Xylene	9.953	91	21624	0.390	ppbv	97
61) Styrene	9.859	104	8323	0.358	ppbv	99
62) Isopropylbenzene	10.526	105	36604	0.430	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.950	83	19863	0.497	ppbv	99
64) n-propylbenzene	10.976	120	8445	0.388	ppbv	93
65) tert-Butylbenzene	11.523	119	28268	0.373	ppbv	96
66) Benzyl Chloride	11.607	91	1282	0.437	ppbv #	92
67) sec-Butylbenzene	11.759	105	42587	0.403	ppbv	98
69) p-Isopropyltoluene	11.917	119	31837	0.370	ppbv	99
70) n-Butylbenzene	12.273	91	27814	0.336	ppbv	96
71) 2-Chlorotoluene	10.891	91	24562	0.399	ppbv	99
72) 4-Ethyltoluene	11.115	105	24162	0.366	ppbv #	95
73) 1,3,5-Trimethylbenzene	11.192	105	21772	0.381	ppbv	98
74) 1,2,4-Trimethylbenzene	11.526	105	23834	0.370	ppbv	94
75) 1,3-Dichlorobenzene	11.594	146	19501	0.465	ppbv	98
76) 1,4-Dichlorobenzene	11.662	146	18048	0.452	ppbv	99
77) 1,2-Dichlorobenzene	11.937	146	20622	0.494	ppbv	99
78) Hexachloro-1,3-Butadiene	13.872	225	14594	0.502	ppbv	99
79) Naphthalene	13.507	128	10812	0.436	ppbv #	93
80) Naphthalene,2-methyl-	14.452	142	3011	0.772	ppbv	99
81) 1,2,4-Trichlorobenzene	13.432	180	6620	0.539	ppbv	97

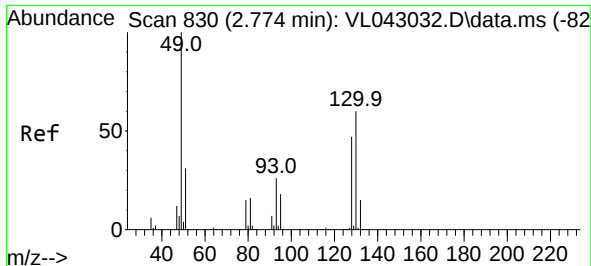
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Quant Time: Oct 03 02:10:04 2025
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Oct 03 02:03:14 2025
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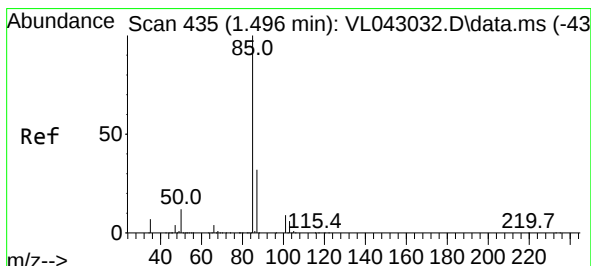
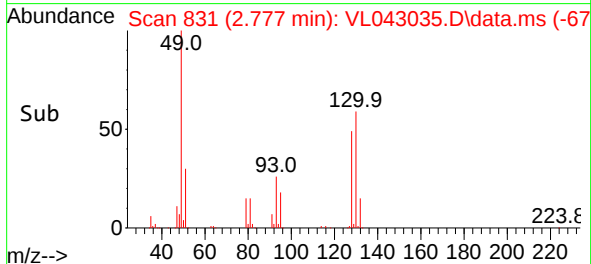
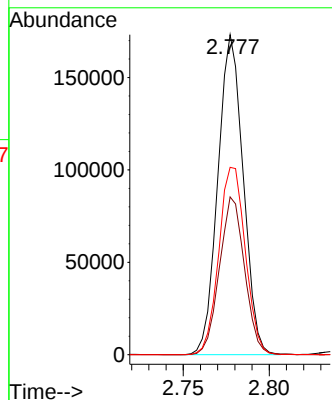
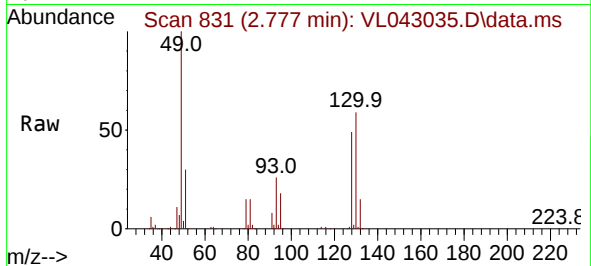




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 831
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

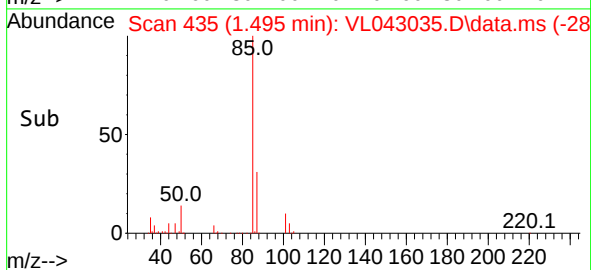
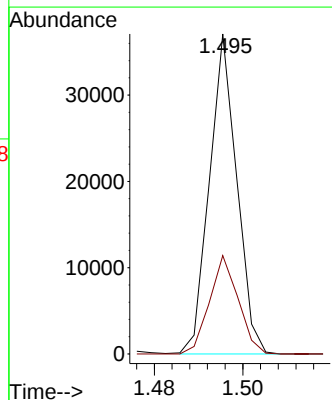
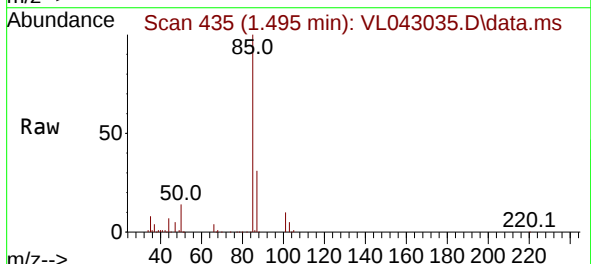
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MSVOA_L
ClientSampleId :
VSTDIC0.5

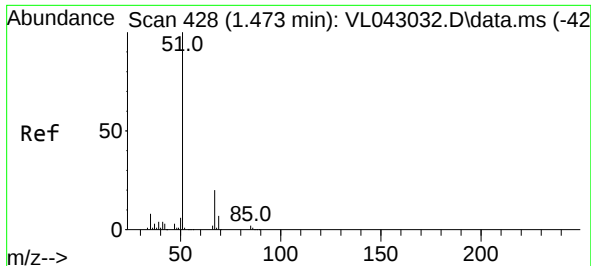
Tgt Ion: 49 Resp: 177300
Ion Ratio Lower Upper
49 100
128 48.8 24.1 72.2
130 61.4 31.4 94.3



#2
Dichlorodifluoromethane
Concen: 0.532 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Tgt Ion: 85 Resp: 15897
Ion Ratio Lower Upper
85 100
87 30.8 25.8 38.6

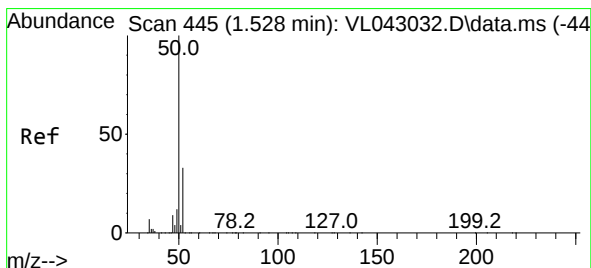
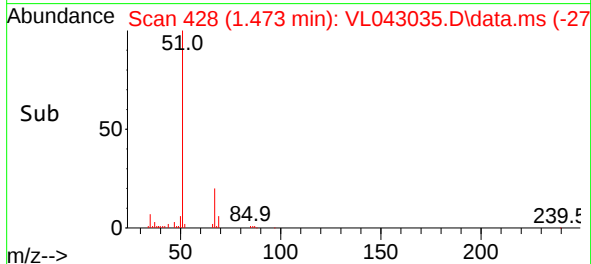
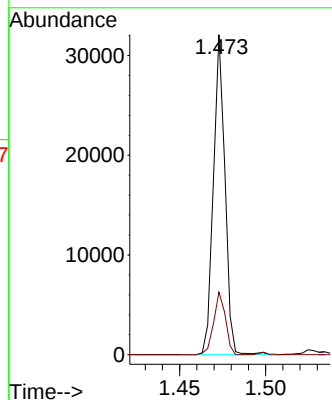
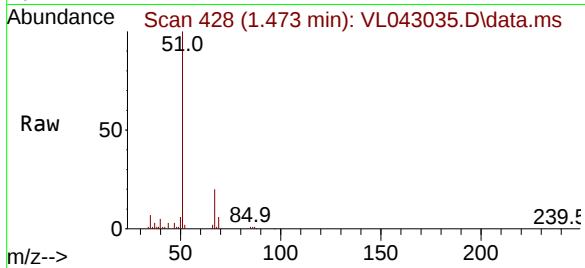




#3
Chlorodifluoromethane
Concen: 0.516 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

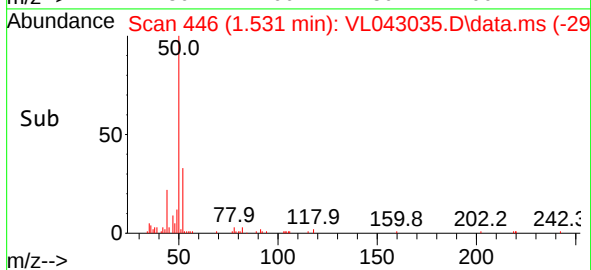
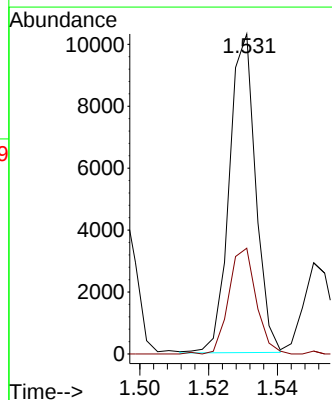
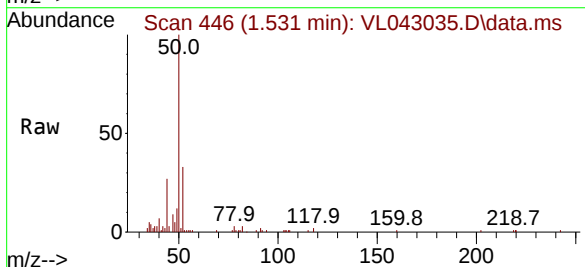
Instrument :
MSVOA_L
ClientSampleId :
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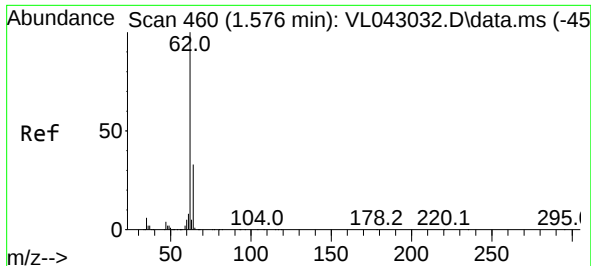
Tgt Ion: 51 Resp: 14910
Ion Ratio Lower Upper
51 100
67 20.5 15.1 22.7



#4
Chloromethane
Concen: 0.502 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Tgt Ion: 50 Resp: 5479
Ion Ratio Lower Upper
50 100
52 34.0 26.2 39.2

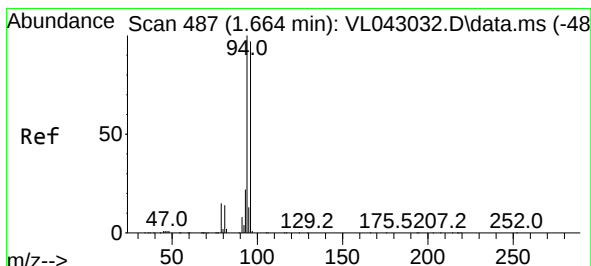
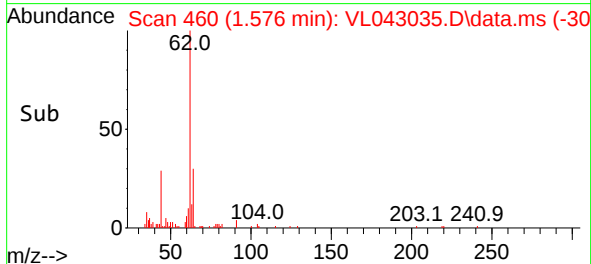
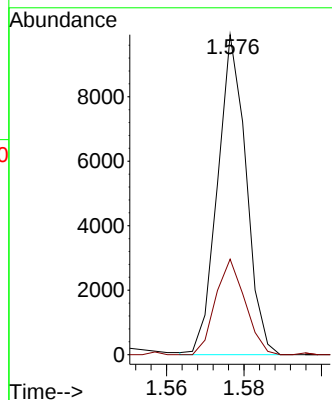
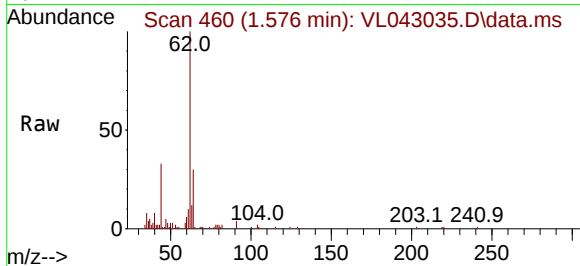




#5
 Vinyl Chloride
 Concen: 0.490 ppbv
 RT: 1.576 min Scan# 460
 Delta R.T. -0.000 min
 Lab File: VL043035.D
 Acq: 02 Oct 2025 12:02

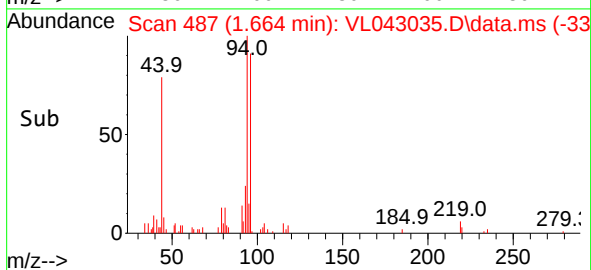
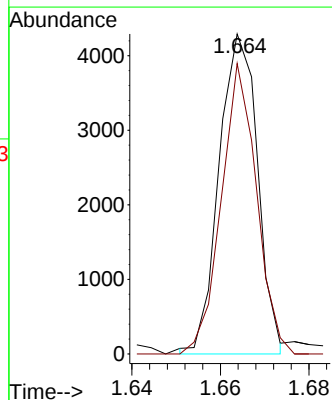
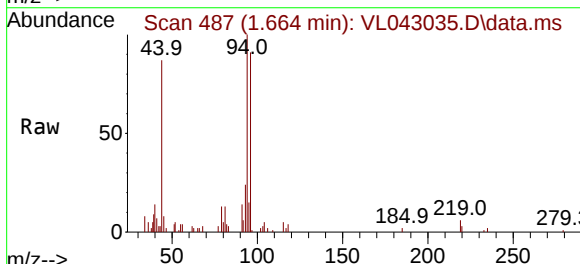
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

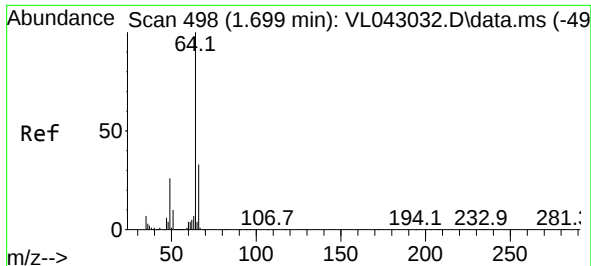
Tgt Ion: 62 Resp: 5074
 Ion Ratio Lower Upper
 62 100
 64 29.9 26.2 39.2



#6
 Bromomethane
 Concen: 0.554 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.000 min
 Lab File: VL043035.D
 Acq: 02 Oct 2025 12:02

Tgt Ion: 94 Resp: 2578
 Ion Ratio Lower Upper
 94 100
 96 92.3 77.6 116.4

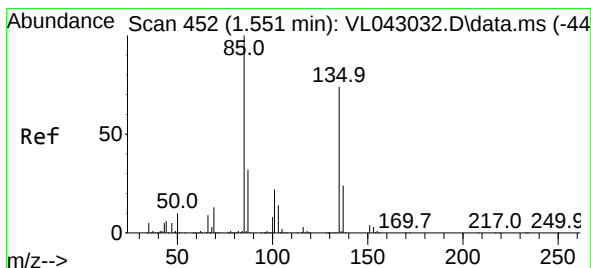
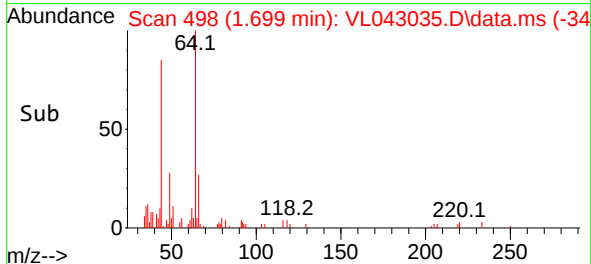
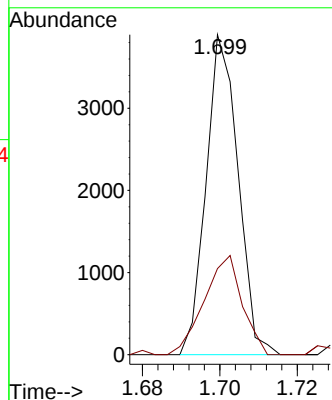
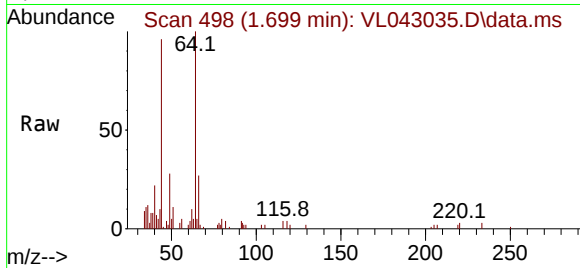




#7
Chloroethane
Concen: 0.517 ppbv
RT: 1.699 min Scan# 498
Delta R.T. -0.000 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

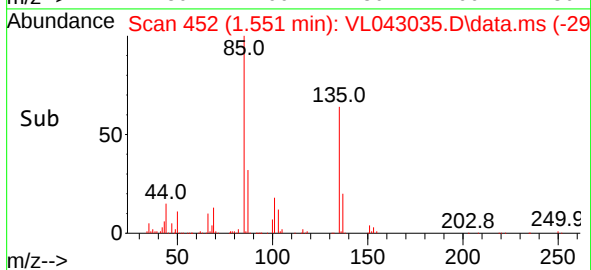
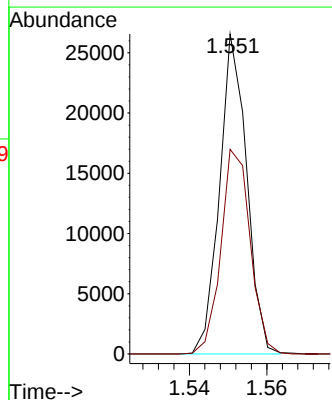
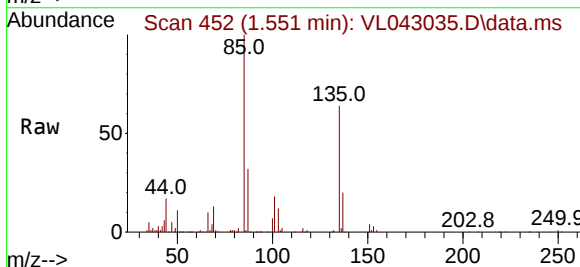
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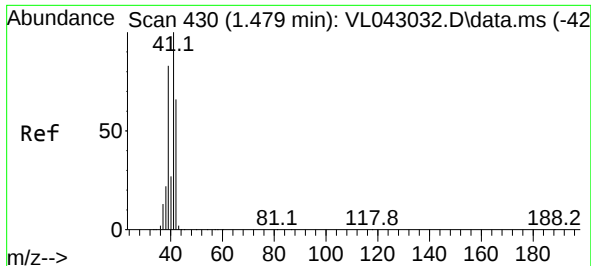
Tgt Ion: 64 Resp: 2234
Ion Ratio Lower Upper
64 100
66 26.9 26.6 39.8



#8
Dichlorotetrafluoroethane
Concen: 0.526 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.000 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Tgt Ion: 85 Resp: 12891
Ion Ratio Lower Upper
85 100
135 69.3 56.3 84.5





#9

Propene

Concen: 0.541 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

Instrument :

MSVOA_L

ClientSampleId :

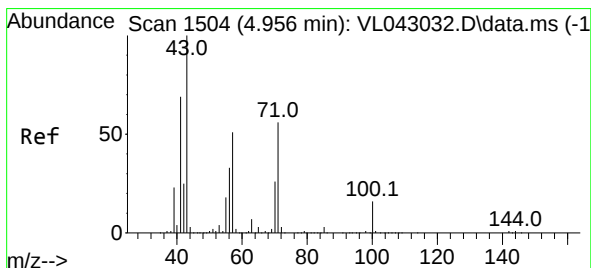
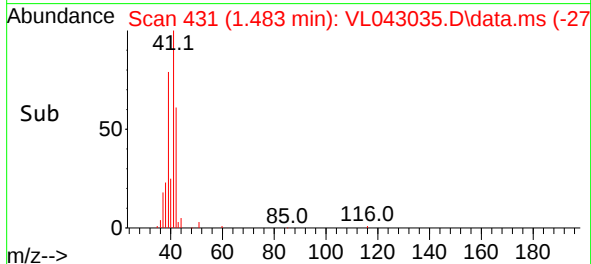
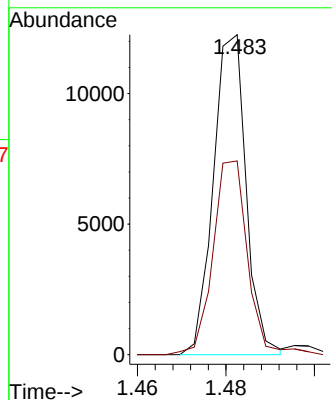
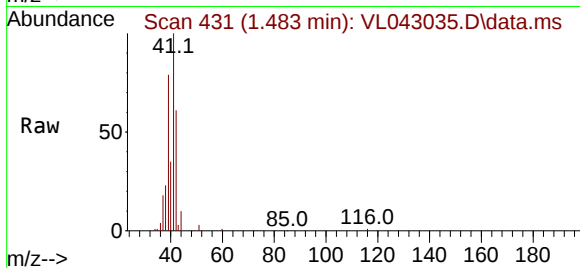
VSTDIC0.5

Tgt Ion: 41 Resp: 6301

Ion Ratio Lower Upper

41 100

42 64.3 53.3 79.9



#10

Heptane

Concen: 0.427 ppbv

RT: 4.959 min Scan# 1505

Delta R.T. 0.003 min

Lab File: VL043035.D

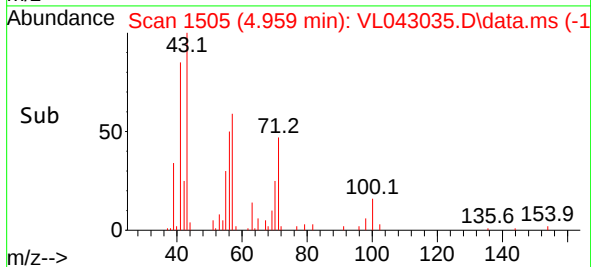
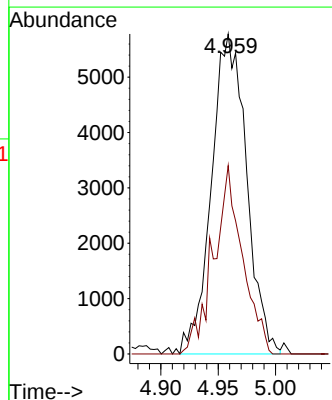
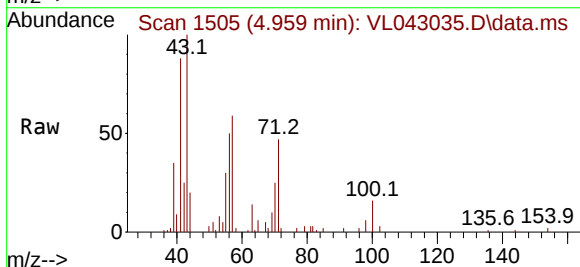
Acq: 02 Oct 2025 12:02

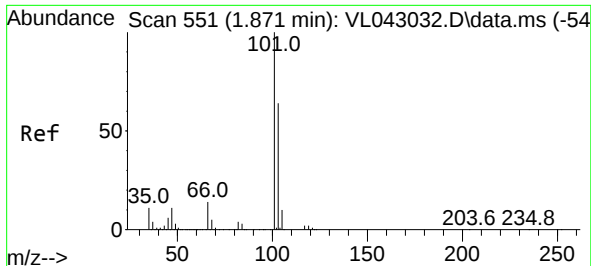
Tgt Ion: 43 Resp: 12261

Ion Ratio Lower Upper

43 100

57 48.9 40.3 60.5





#11

Trichlorofluoromethane

Concen: 0.503 ppbv

RT: 1.871 min Scan# 551

Delta R.T. -0.000 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

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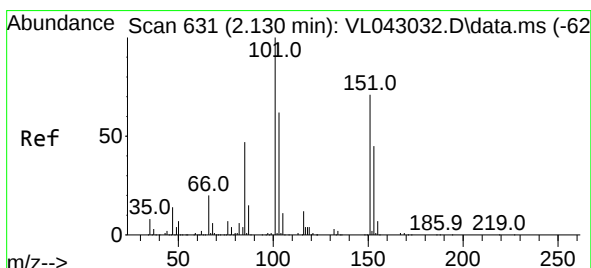
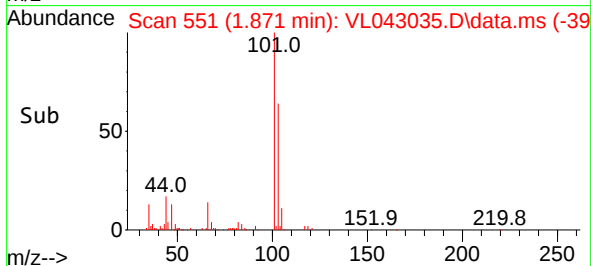
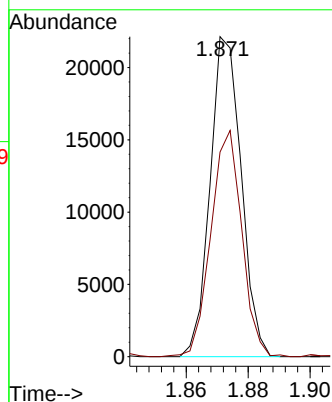
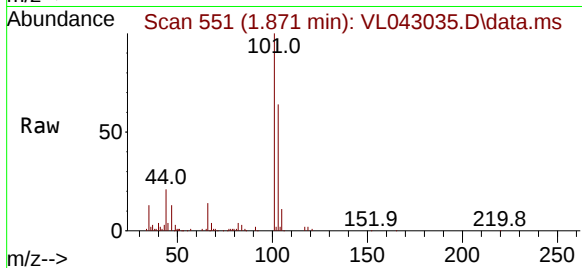
VSTDIC0.5

Tgt Ion:101 Resp: 15460

Ion Ratio Lower Upper

101 100

103 63.4 51.1 76.7



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.524 ppbv

RT: 2.133 min Scan# 632

Delta R.T. 0.003 min

Lab File: VL043035.D

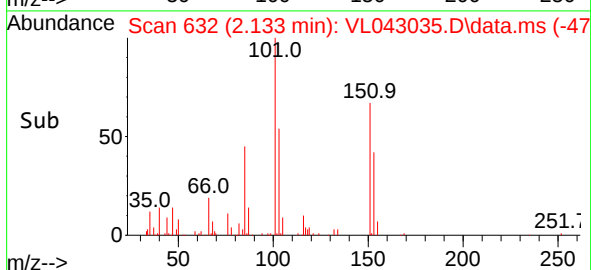
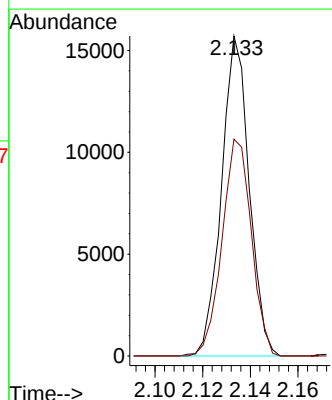
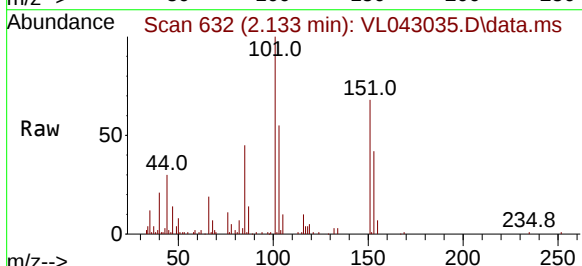
Acq: 02 Oct 2025 12:02

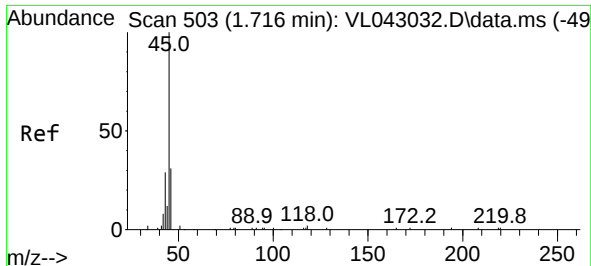
Tgt Ion:101 Resp: 12668

Ion Ratio Lower Upper

101 100

151 71.8 58.1 87.1

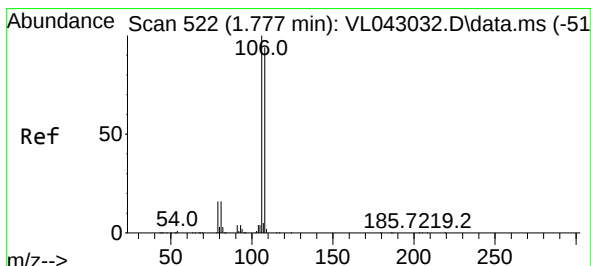
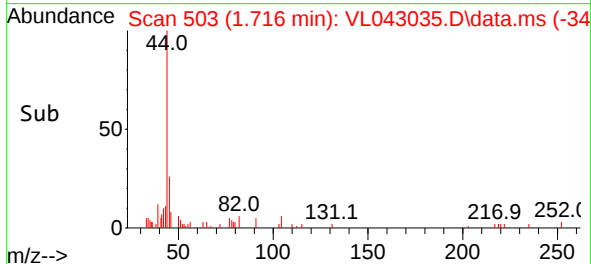
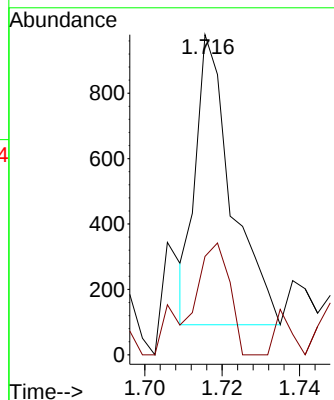
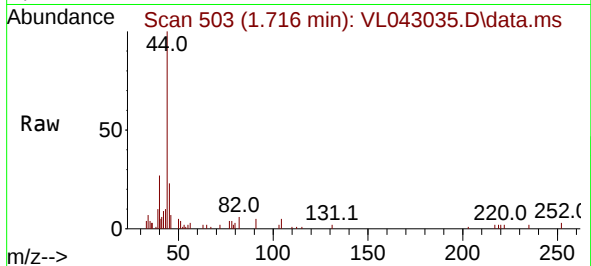




#13
Ethanol
Concen: 0.082 ppbv
RT: 1.716 min Scan# 503
Delta R.T. -0.000 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

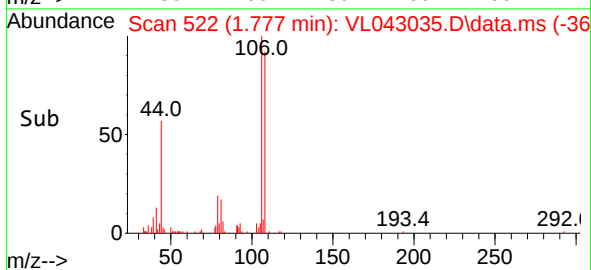
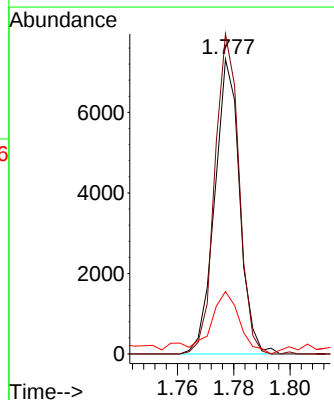
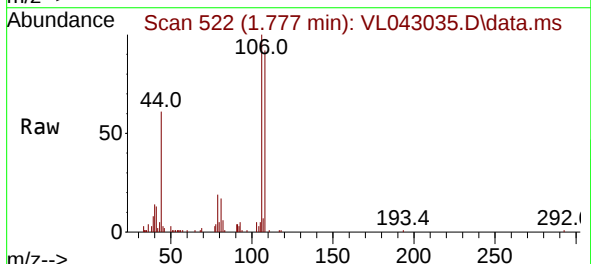
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

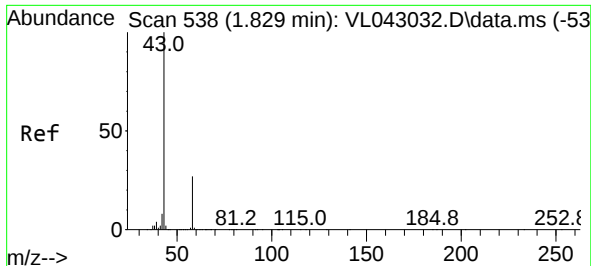
Tgt Ion: 45 Resp: 571
Ion Ratio Lower Upper
45 100
46 0.0 17.8 71.4#



#14
Bromoethene
Concen: 0.519 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.000 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Tgt Ion: 108 Resp: 4504
Ion Ratio Lower Upper
108 100
106 105.0 85.2 127.8
79 32.2 14.8 22.2#

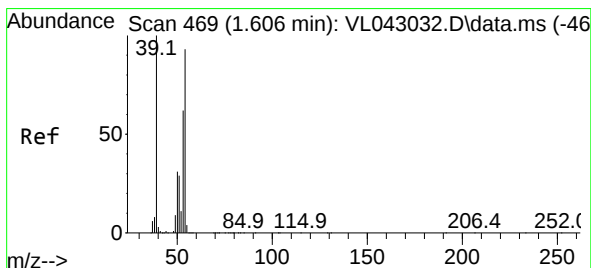
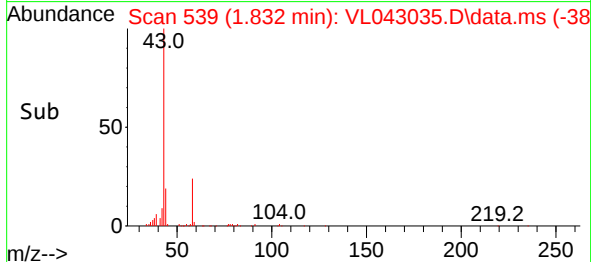
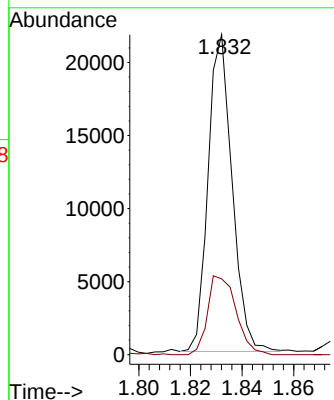
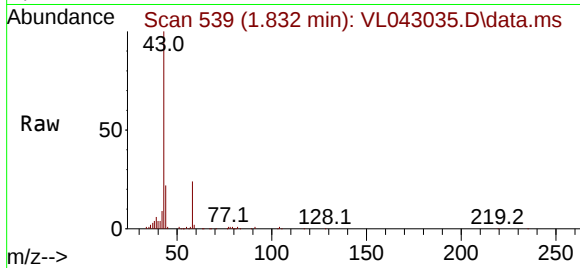




#15
Acetone
Concen: 0.565 ppbv
RT: 1.832 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

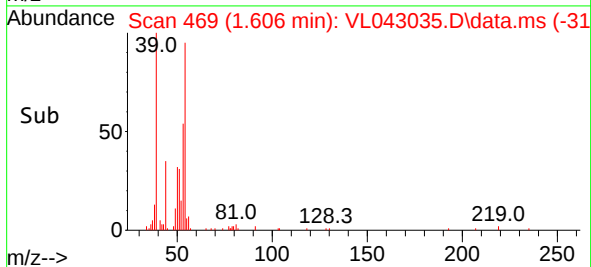
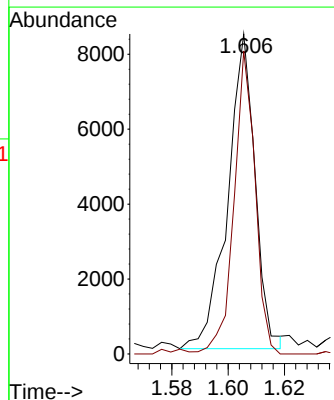
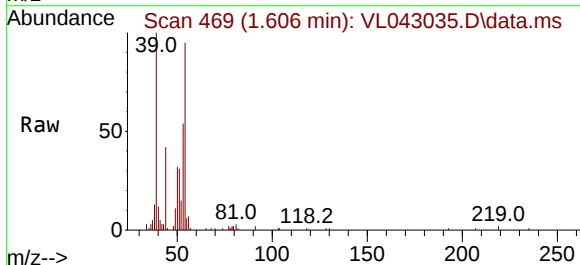
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

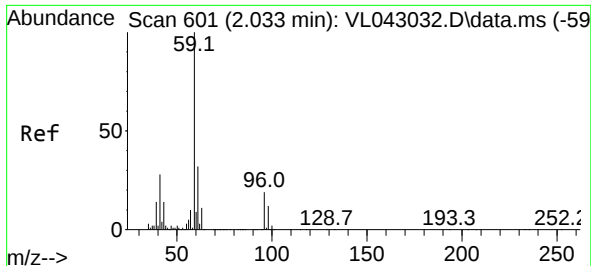
Tgt Ion: 43 Resp: 14038
Ion Ratio Lower Upper
43 100
58 29.8 22.2 33.4



#16
1,3-Butadiene
Concen: 0.556 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Tgt Ion: 39 Resp: 5688
Ion Ratio Lower Upper
39 100
54 75.3 61.4 92.2





#17

tert-Butyl alcohol

Concen: 0.516 ppbv

RT: 2.036 min Scan# 601

Delta R.T. 0.003 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

Instrument :

MSVOA_L

ClientSampleId :

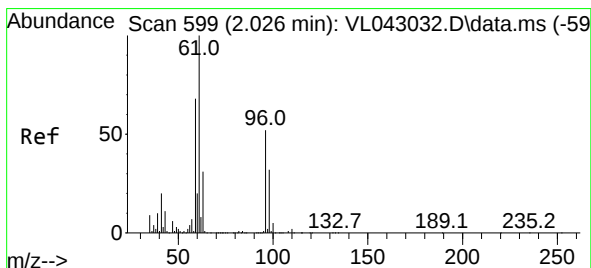
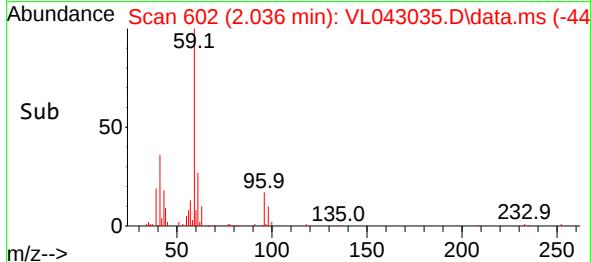
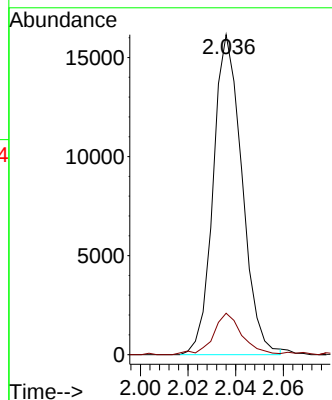
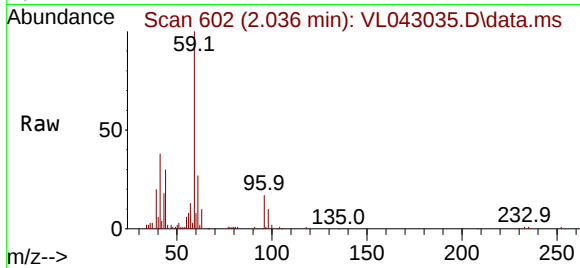
VSTDIC0.5

Tgt Ion: 59 Resp: 13561

Ion Ratio Lower Upper

59 100

57 13.7 8.5 12.7#



#18

1,1-Dichloroethene

Concen: 0.514 ppbv

RT: 2.030 min Scan# 600

Delta R.T. 0.003 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

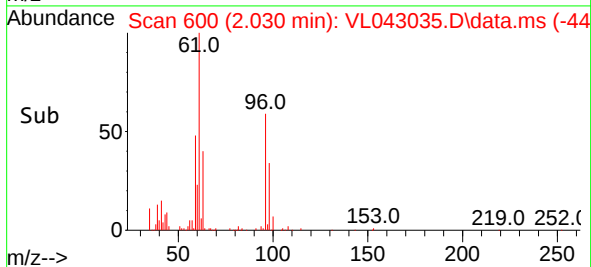
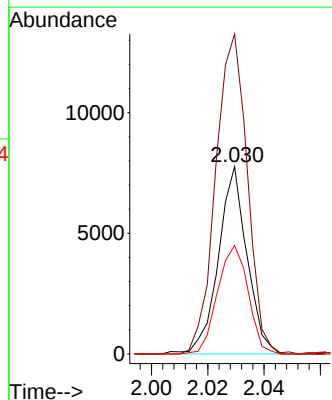
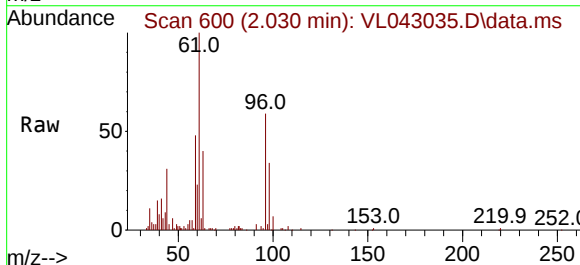
Tgt Ion: 96 Resp: 5445

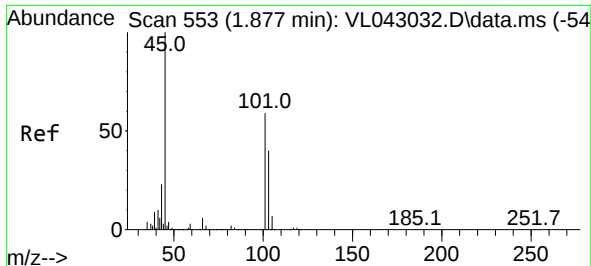
Ion Ratio Lower Upper

96 100

61 170.0 153.0 229.6

98 57.9 48.8 73.2

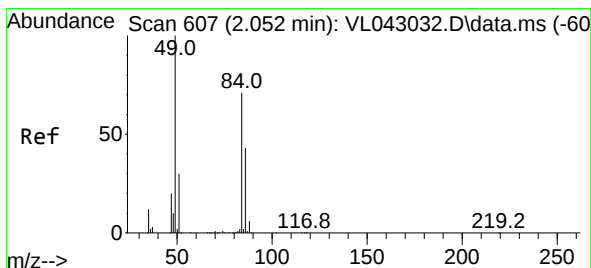
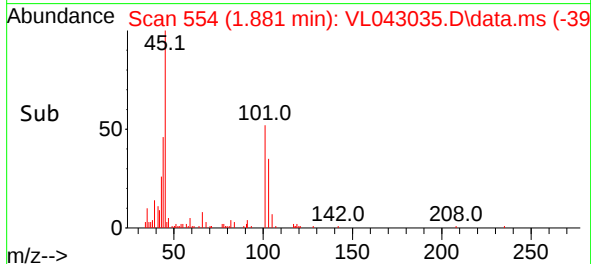
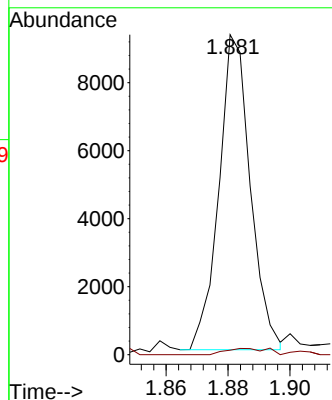
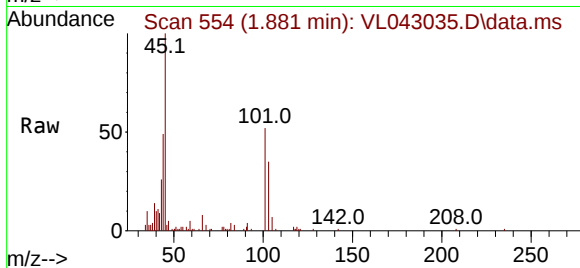




#19
Isopropyl Alcohol
Concen: 0.550 ppbv
RT: 1.881 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

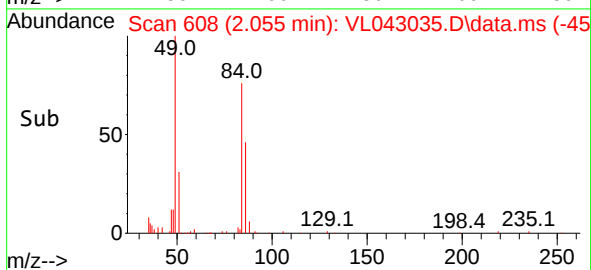
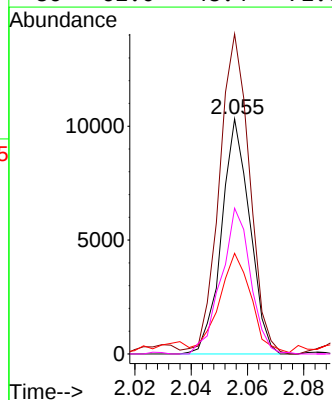
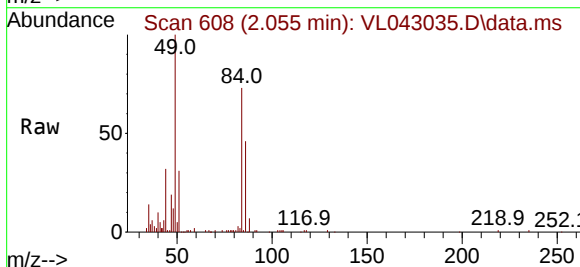
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

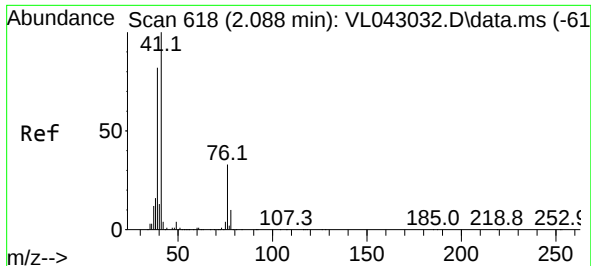
Tgt Ion: 45 Resp: 6542
Ion Ratio Lower Upper
45 100
58 3.9 42.3 63.5#



#20
Methylene Chloride
Concen: 0.662 ppbv
RT: 2.055 min Scan# 608
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Tgt Ion: 84 Resp: 7176
Ion Ratio Lower Upper
84 100
49 135.1 112.5 168.7
51 41.1 34.2 51.2
86 62.0 48.4 72.6

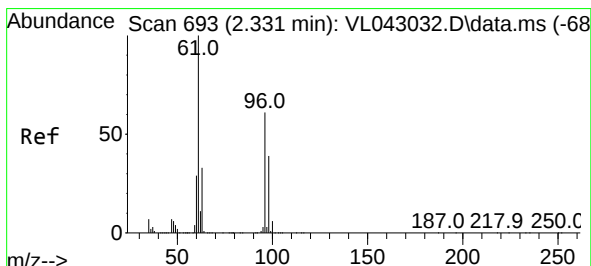
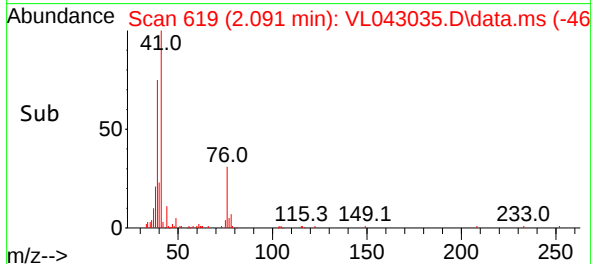
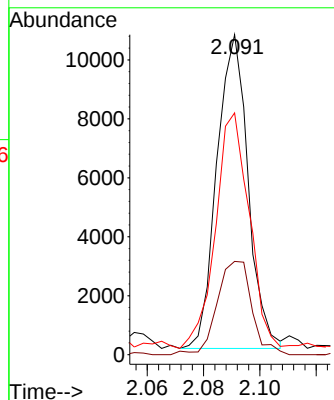
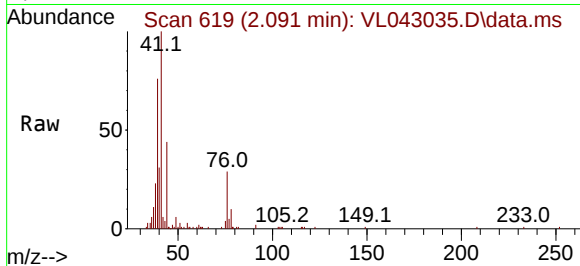




#21
 Allyl Chloride
 Concen: 0.516 ppbv
 RT: 2.091 min Scan# 618
 Delta R.T. 0.003 min
 Lab File: VL043035.D
 Acq: 02 Oct 2025 12:02

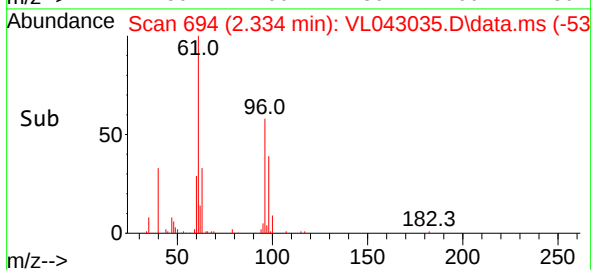
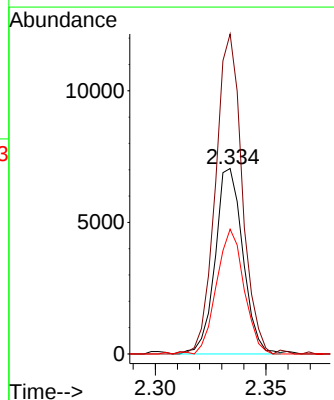
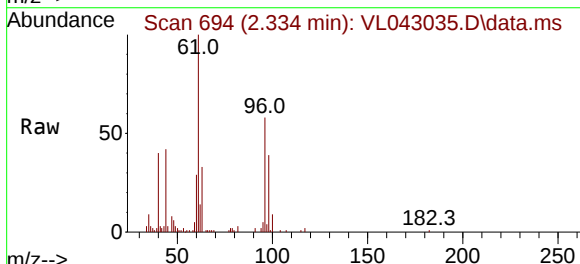
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

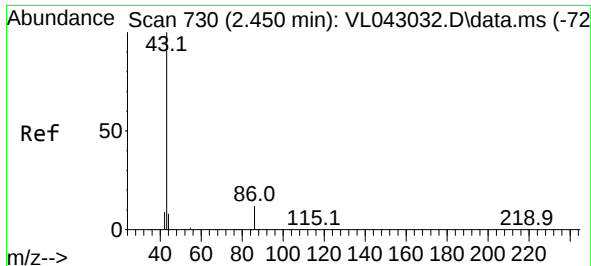
Tgt Ion: 41	Resp: 8204
Ion Ratio	Lower Upper
41	100
76	33.2 25.9 38.9
39	81.0 63.0 94.4



#22
 trans-1,2-Dichloroethene
 Concen: 0.509 ppbv
 RT: 2.334 min Scan# 694
 Delta R.T. 0.003 min
 Lab File: VL043035.D
 Acq: 02 Oct 2025 12:02

Tgt Ion: 96	Resp: 6132
Ion Ratio	Lower Upper
96	100
61	171.4 131.9 197.9
98	67.3 52.1 78.1

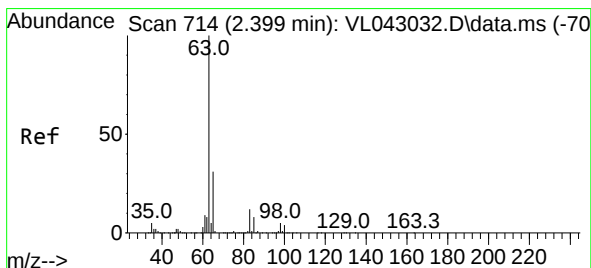
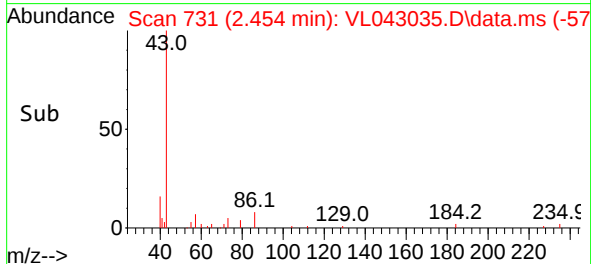
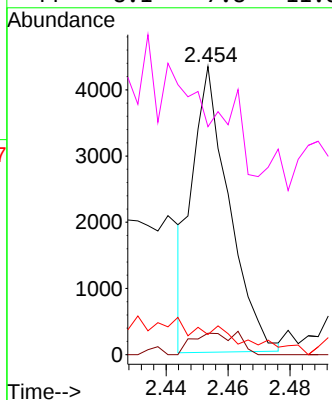
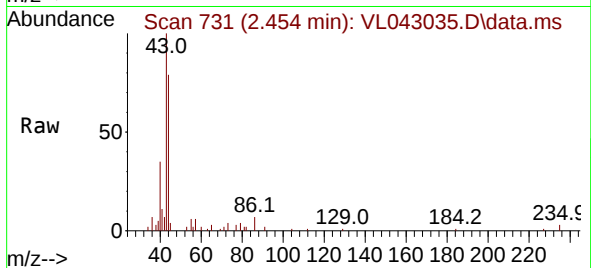




#23
 Vinyl Acetate
 Concen: 0.671 ppbv
 RT: 2.454 min Scan# 715
 Delta R.T. 0.003 min
 Lab File: VL043035.D
 Acq: 02 Oct 2025 12:02

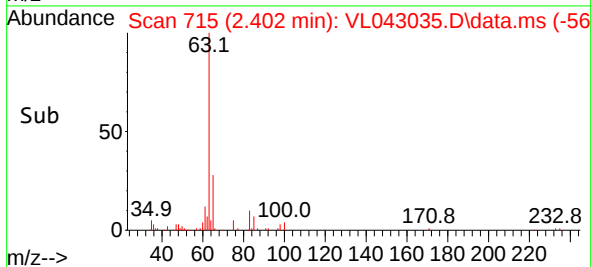
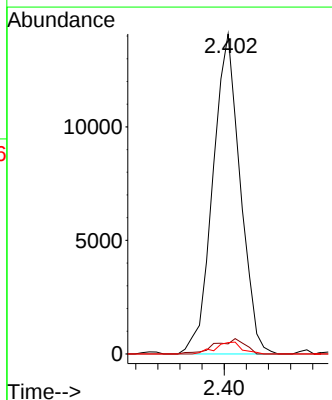
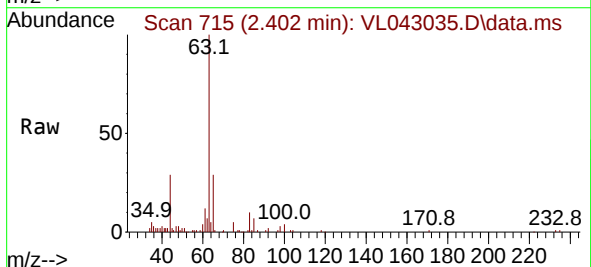
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

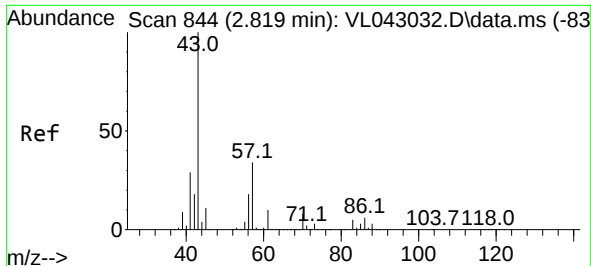
Tgt Ion:	43	Resp:	3538
Ion	Ratio	Lower	Upper
43	100		
86	7.7	7.5	11.3
42	4.6	8.4	12.6#
44	8.1	7.8	11.8



#24
 1,1-Dichloroethane
 Concen: 0.530 ppbv
 RT: 2.402 min Scan# 715
 Delta R.T. 0.003 min
 Lab File: VL043035.D
 Acq: 02 Oct 2025 12:02

Tgt Ion:	63	Resp:	12094
Ion	Ratio	Lower	Upper
63	100		
98	3.1	2.5	7.4
100	3.5	1.8	5.4

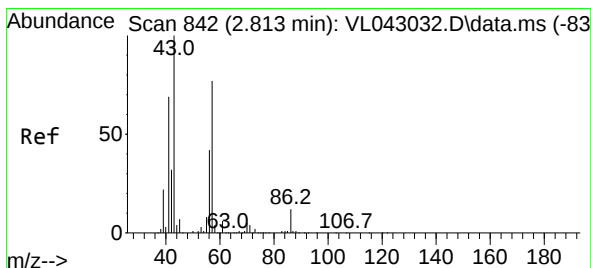
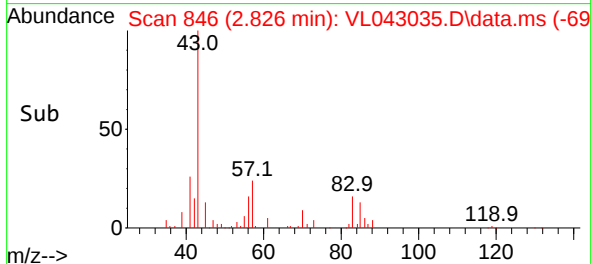
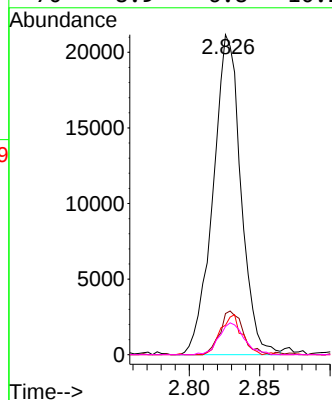
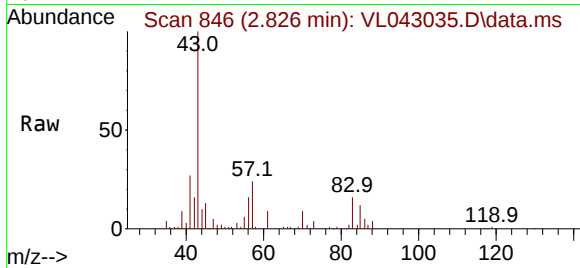




#25
Ethyl Acetate
Concen: 0.469 ppbv
RT: 2.826 min Scan# 844
Delta R.T. 0.006 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

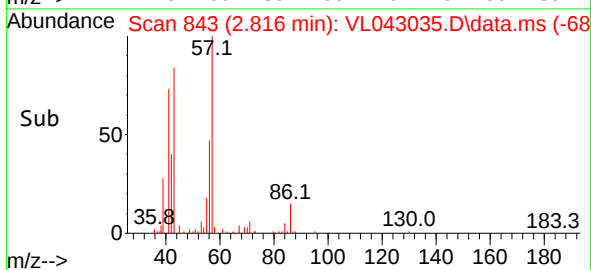
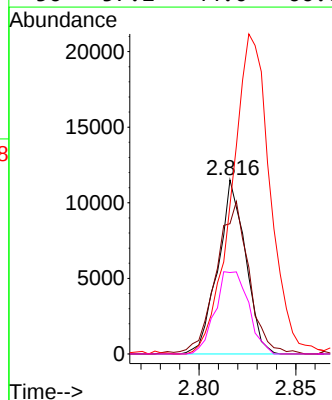
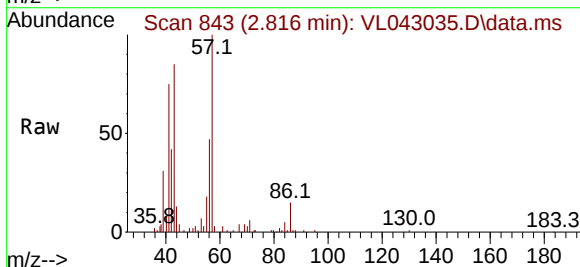
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

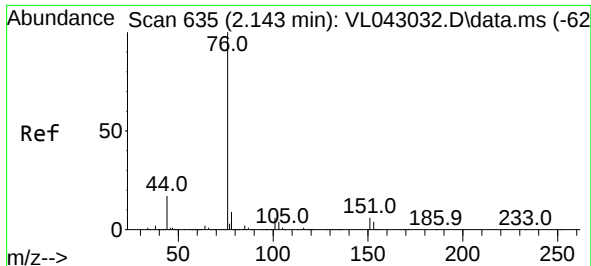
Tgt Ion: 43	Resp: 29195
Ion Ratio	Lower Upper
43 100	
45 11.5	8.3 12.5
61 9.7	7.5 11.3
70 8.9	6.8 10.2



#26
Hexane
Concen: 0.475 ppbv
RT: 2.816 min Scan# 843
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Tgt Ion: 57	Resp: 11374		
Ion	Ratio	Lower	Upper
57	100		
41	104.8	76.1	114.1
43	261.0	201.4	302.0
56	57.2	44.0	66.0

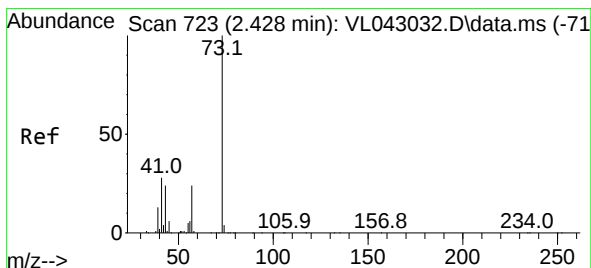
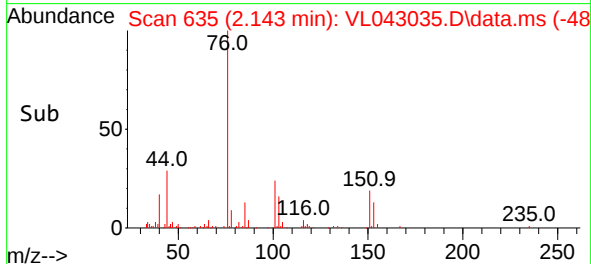
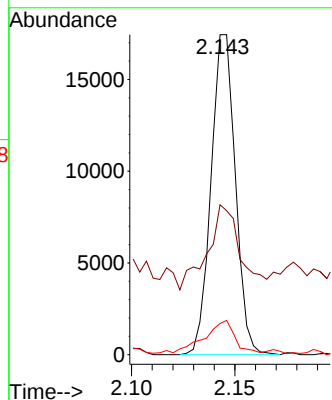
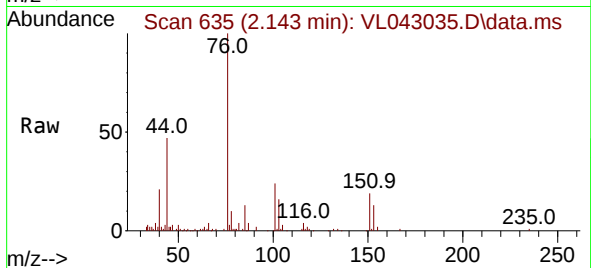




#27
Carbon Disulfide
Concen: 0.506 ppbv
RT: 2.143 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

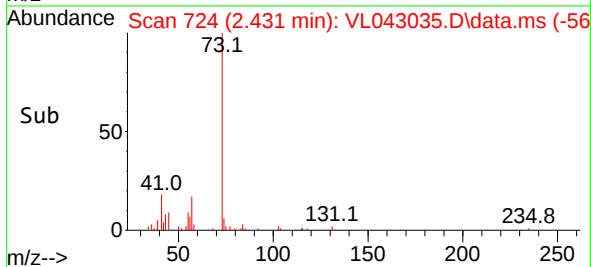
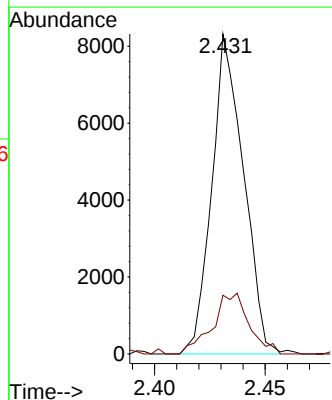
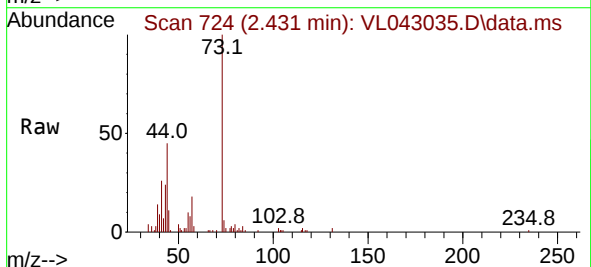
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

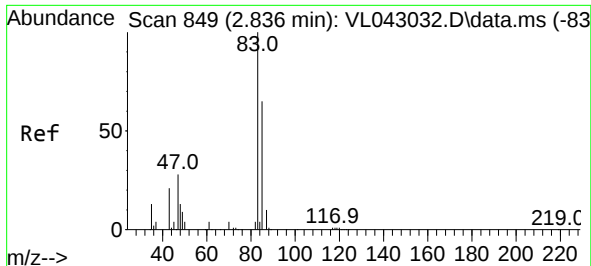
Tgt Ion: 76 Resp: 14301
Ion Ratio Lower Upper
76 100
44 46.8 14.0 21.0#
78 13.3 9.4 14.0



#28
Methyl tert-Butyl Ether
Concen: 0.552 ppbv
RT: 2.431 min Scan# 724
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Tgt Ion: 73 Resp: 8280
Ion Ratio Lower Upper
73 100
57 22.1 17.8 26.8





#29

Chloroform

Concen: 0.503 ppbv

RT: 2.839 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

Instrument :

MSVOA_L

ClientSampleId :

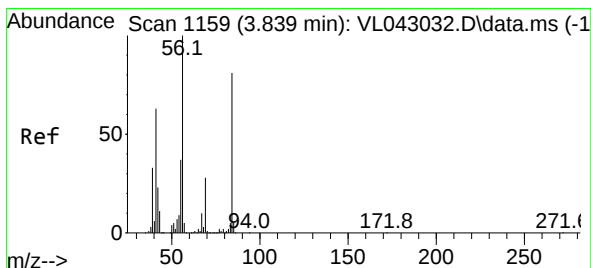
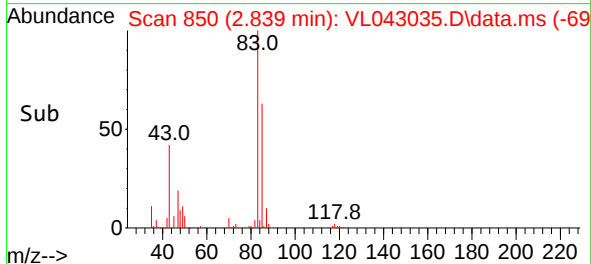
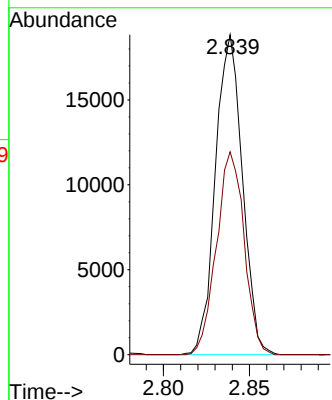
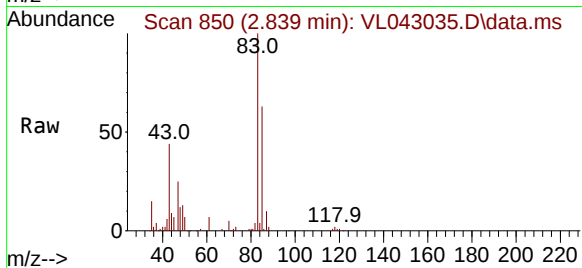
VSTDICC0.5

Tgt Ion: 83 Resp: 20555

Ion Ratio Lower Upper

83 100

85 63.4 52.0 78.0



#30

Cyclohexane

Concen: 0.446 ppbv

RT: 3.845 min Scan# 1161

Delta R.T. 0.006 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

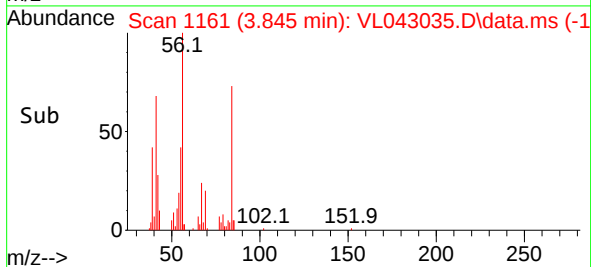
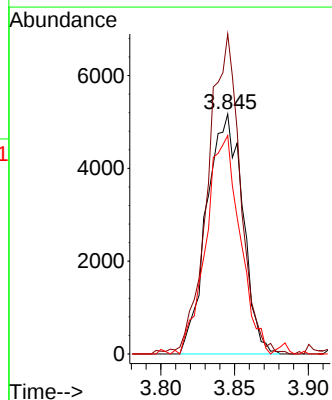
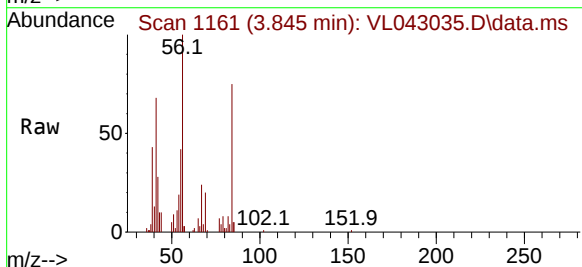
Tgt Ion: 84 Resp: 8774

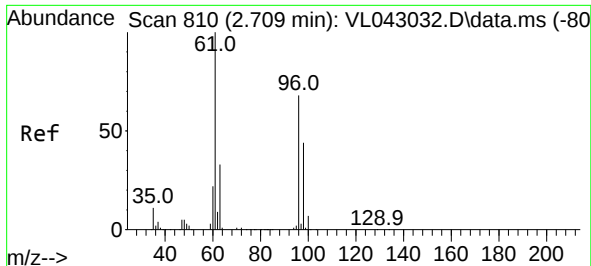
Ion Ratio Lower Upper

84 100

56 120.3 99.9 149.9

41 87.4 64.2 96.4

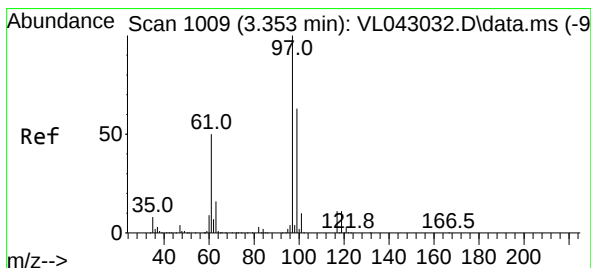
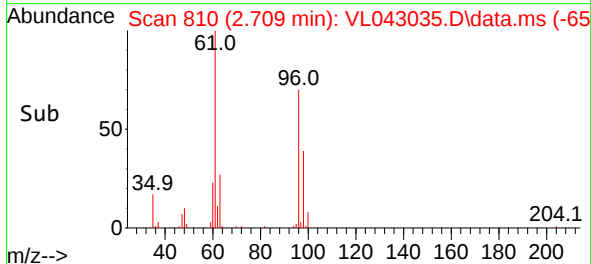
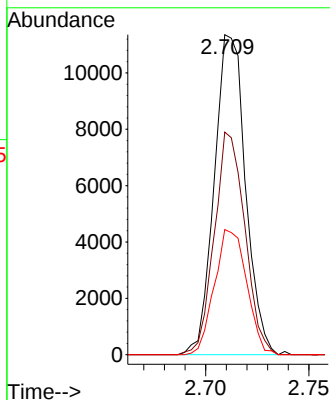
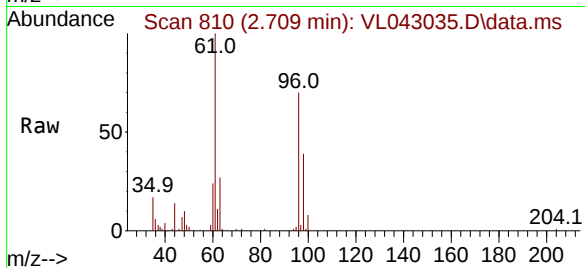




#31
 cis-1,2-Dichloroethene
 Concen: 0.485 ppbv
 RT: 2.709 min Scan# 810
 Delta R.T. -0.000 min
 Lab File: VL043035.D
 Acq: 02 Oct 2025 12:02

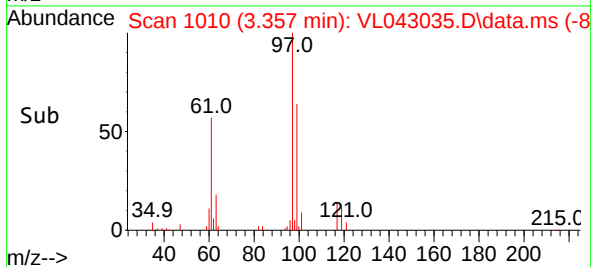
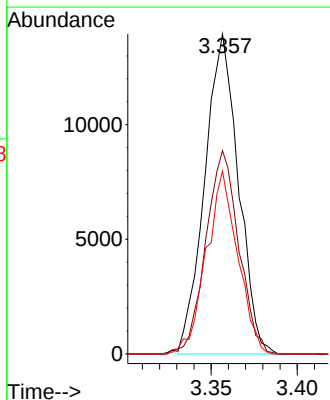
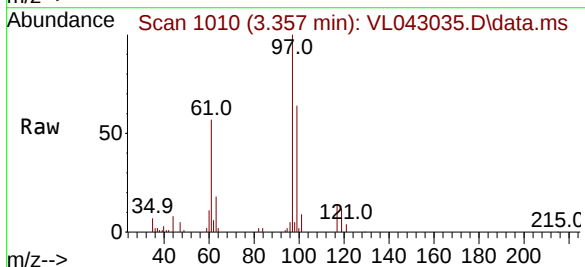
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

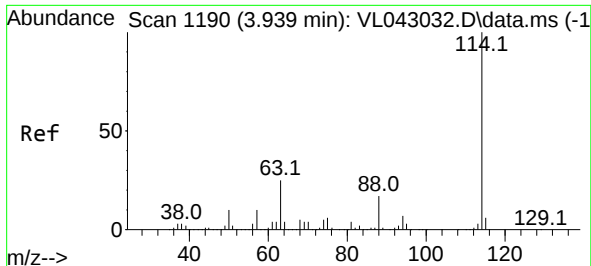
Tgt Ion:	61	Resp:	11947
Ion	Ratio	Lower	Upper
61	100		
96	69.6	54.6	82.0
98	39.1	34.8	52.2



#32
 1,1,1-Trichloroethane
 Concen: 0.478 ppbv
 RT: 3.357 min Scan# 1010
 Delta R.T. 0.003 min
 Lab File: VL043035.D
 Acq: 02 Oct 2025 12:02

Tgt Ion:	97	Resp:	18993
Ion	Ratio	Lower	Upper
97	100		
99	62.1	51.2	76.8
61	53.4	40.1	60.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.942 min Scan# 1191

Delta R.T. 0.003 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

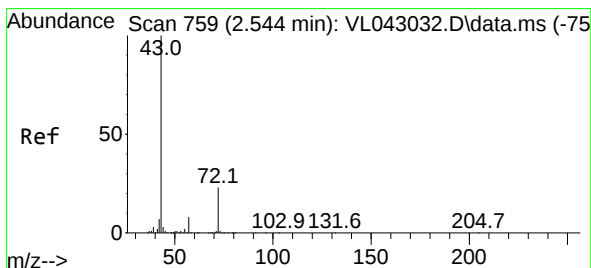
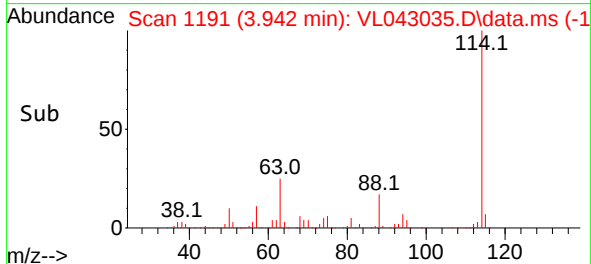
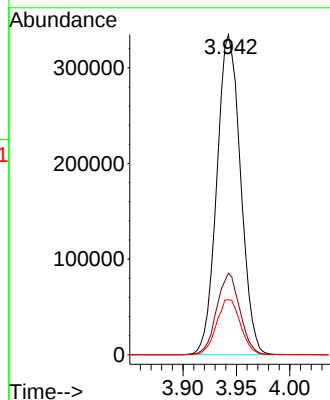
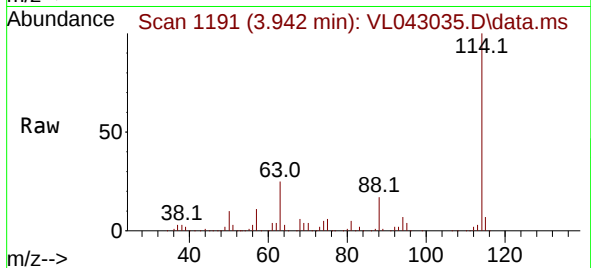
Tgt Ion:114 Resp: 517146

Ion Ratio Lower Upper

114 100

63 24.9 19.4 29.2

88 17.4 13.9 20.9



#34

2-Butanone

Concen: 0.505 ppbv

RT: 2.551 min Scan# 761

Delta R.T. 0.006 min

Lab File: VL043035.D

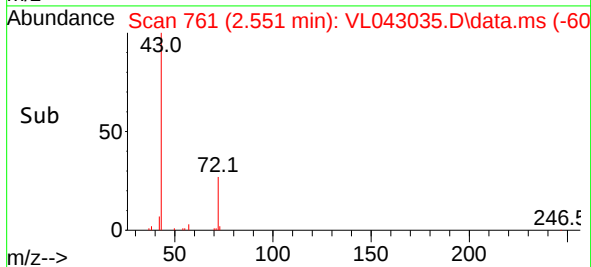
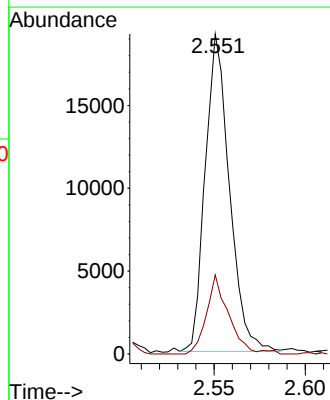
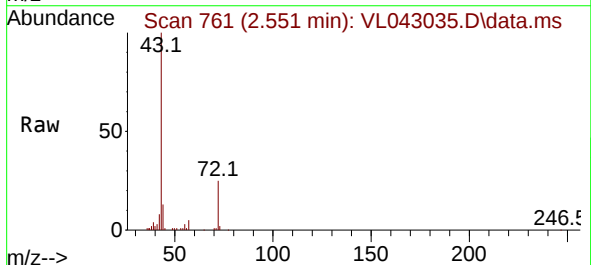
Acq: 02 Oct 2025 12:02

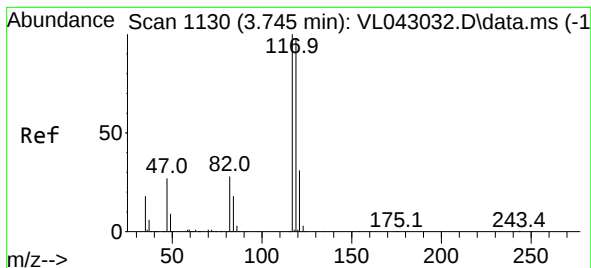
Tgt Ion: 43 Resp: 17703

Ion Ratio Lower Upper

43 100

72 23.2 18.4 27.6





#35

Carbon Tetrachloride

Concen: 0.494 ppbv

RT: 3.748 min Scan# 1131

Delta R.T. 0.003 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

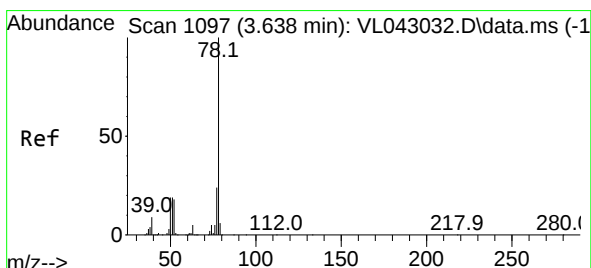
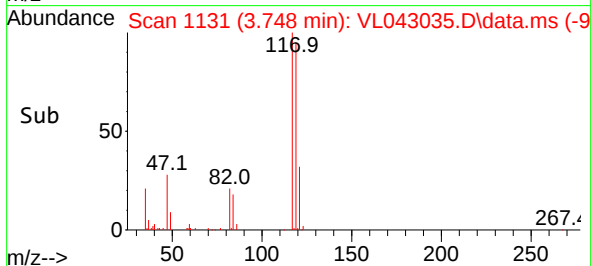
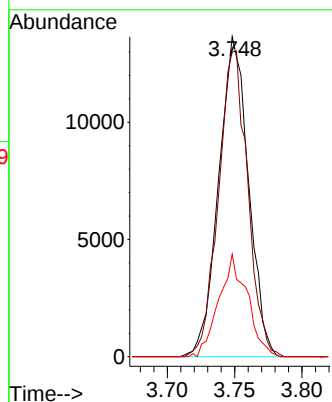
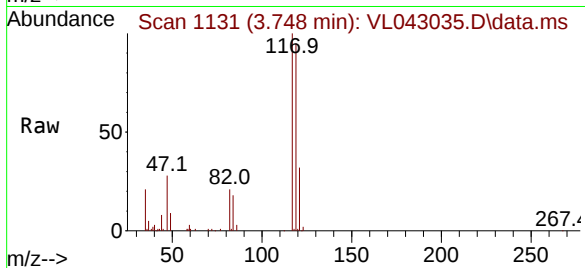
Tgt Ion:117 Resp: 21027

Ion Ratio Lower Upper

117 100

119 95.3 78.2 117.4

121 32.0 24.8 37.2



#36

Benzene

Concen: 0.497 ppbv

RT: 3.641 min Scan# 1098

Delta R.T. 0.003 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

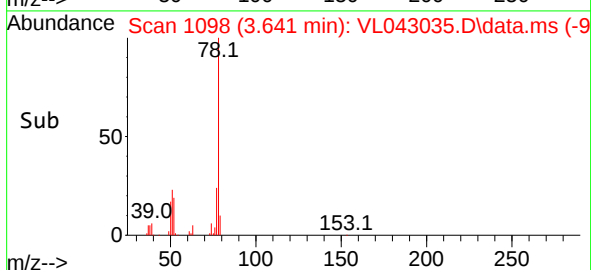
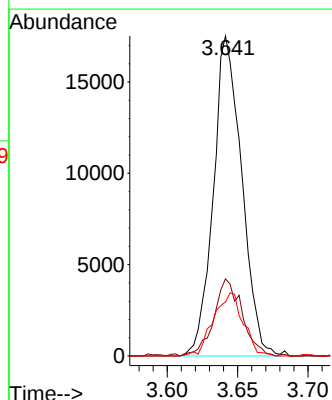
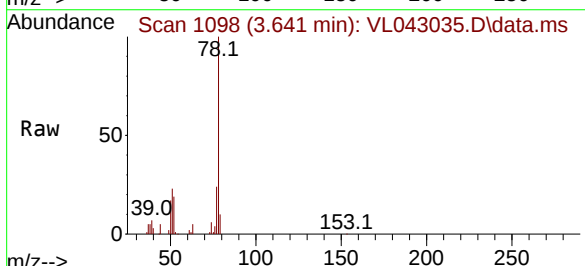
Tgt Ion: 78 Resp: 24552

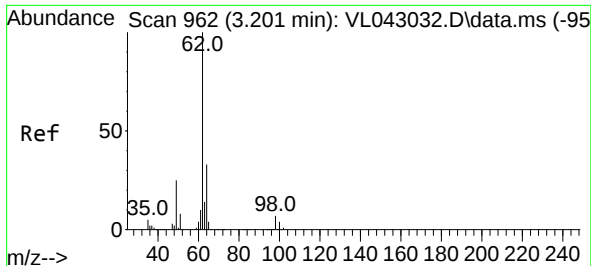
Ion Ratio Lower Upper

78 100

77 24.1 19.2 28.8

50 16.9 14.9 22.3

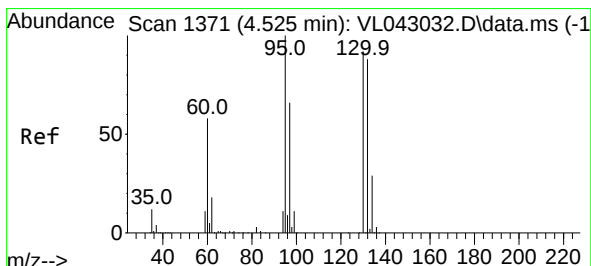
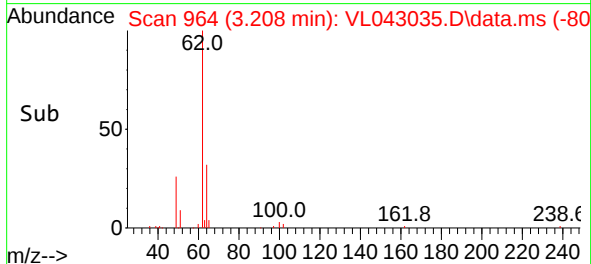
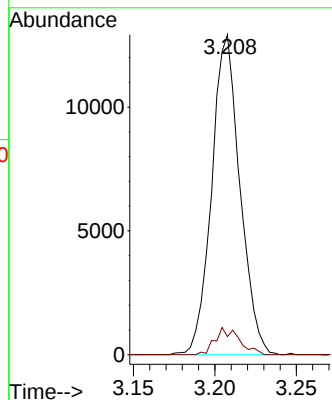
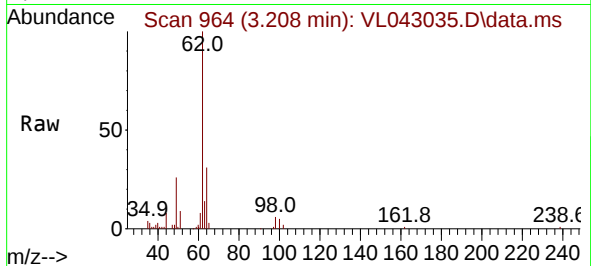




#37
1,2-Dichloroethane
Concen: 0.531 ppbv
RT: 3.208 min Scan# 964
Delta R.T. 0.006 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

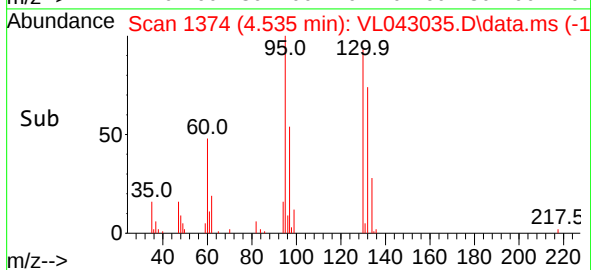
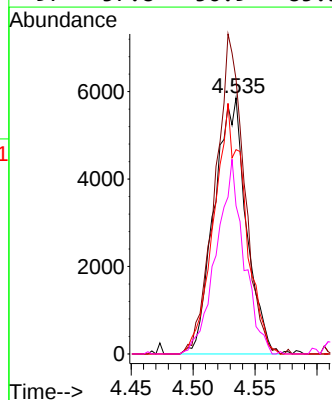
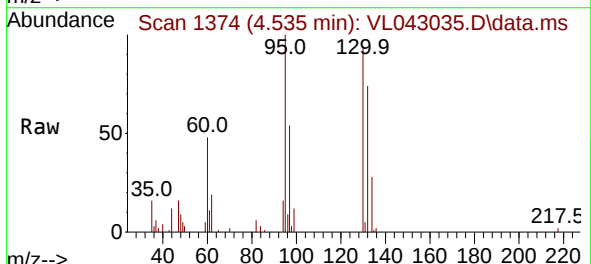
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

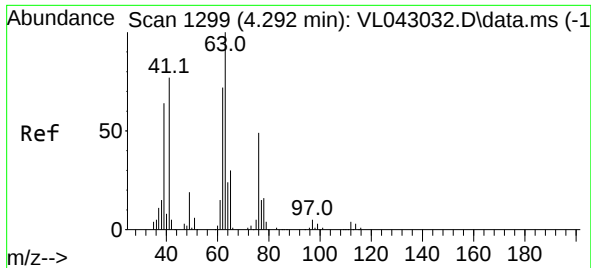
Tgt Ion: 62 Resp: 15541
Ion Ratio Lower Upper
62 100
98 7.2 5.6 8.4



#38
Trichloroethene
Concen: 0.514 ppbv
RT: 4.535 min Scan# 1374
Delta R.T. 0.010 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Tgt Ion:130 Resp: 10581
Ion Ratio Lower Upper
130 100
95 107.2 86.4 129.6
132 79.8 75.7 113.5
97 57.8 56.9 85.3





#39

1,2-Dichloropropane

Concen: 0.513 ppbv

RT: 4.298 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

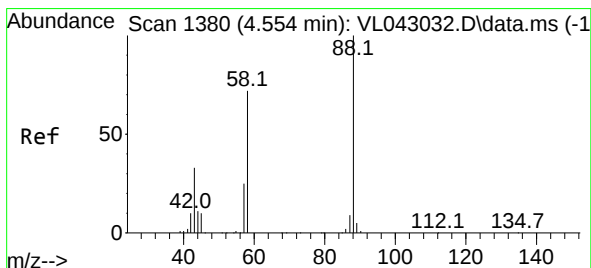
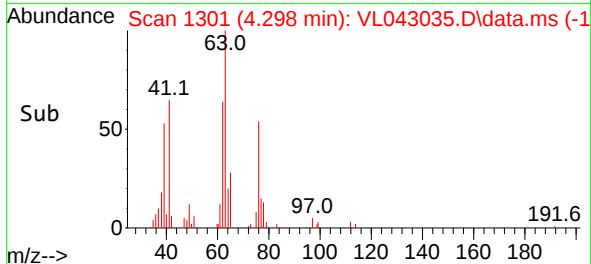
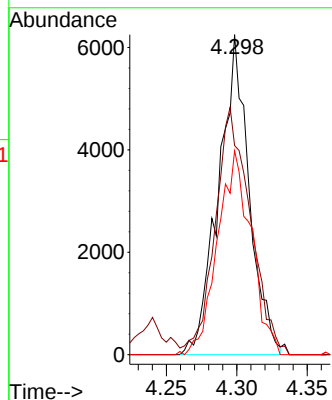
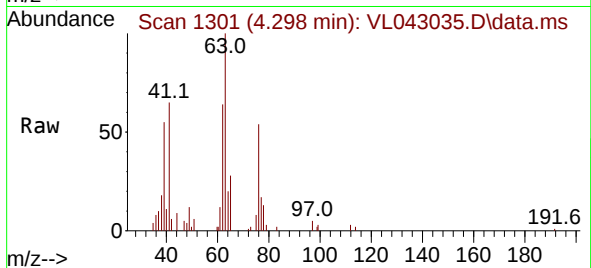
Tgt Ion: 63 Resp: 9393

Ion Ratio Lower Upper

63 100

41 63.2 61.6 92.4

62 63.7 58.1 87.1



#40

1,4-Dioxane

Concen: 0.312 ppbv

RT: 4.580 min Scan# 1388

Delta R.T. 0.026 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

Tgt Ion: 88 Resp: 2452

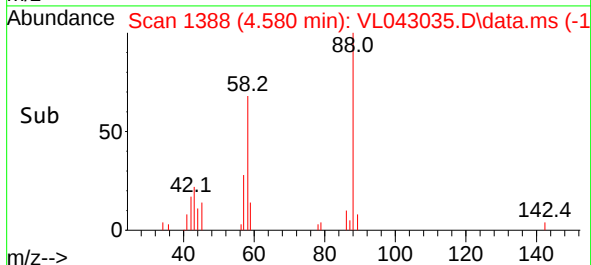
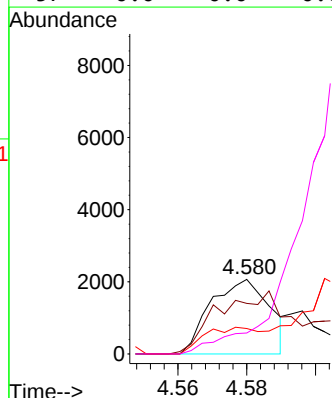
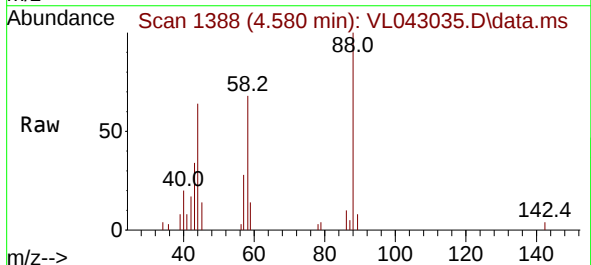
Ion Ratio Lower Upper

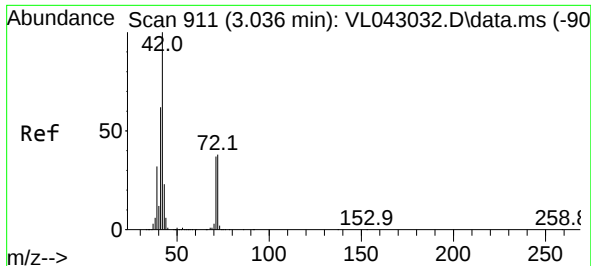
88 100

58 190.5 56.2 84.2#

43 0.0 25.7 38.5#

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.453 ppbv

RT: 3.046 min Scan# 911

Delta R.T. 0.010 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

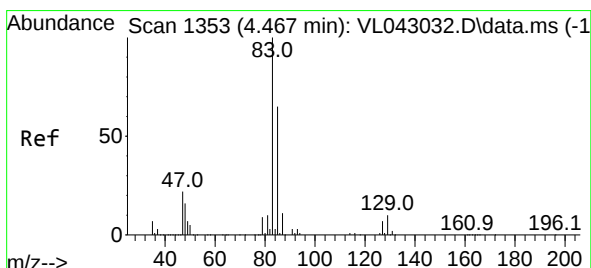
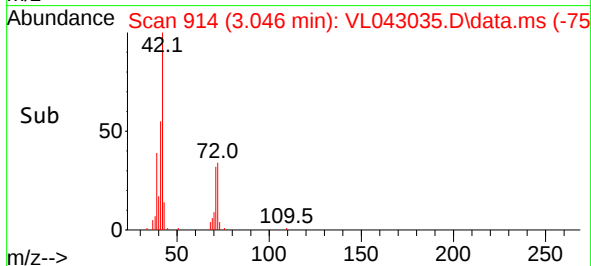
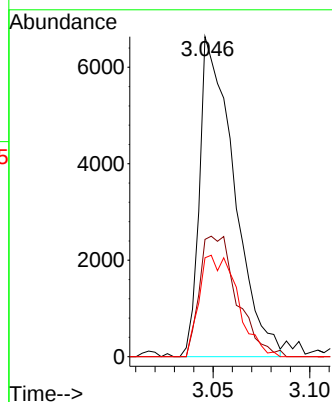
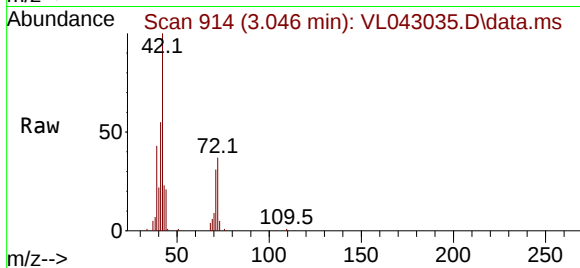
Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:	42	Resp:	8215
Ion	Ratio	Lower	Upper
42	100		
72	41.0	31.0	46.6
71	35.2	29.8	44.6



#42

Bromodichloromethane

Concen: 0.491 ppbv

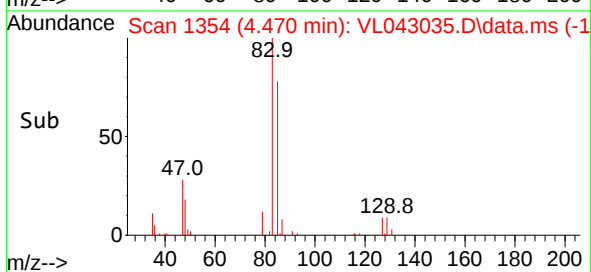
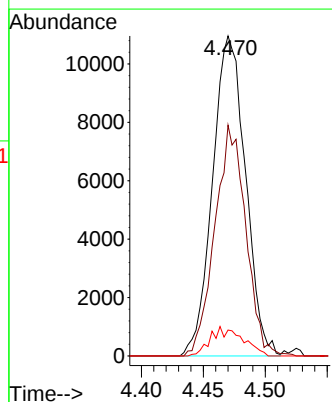
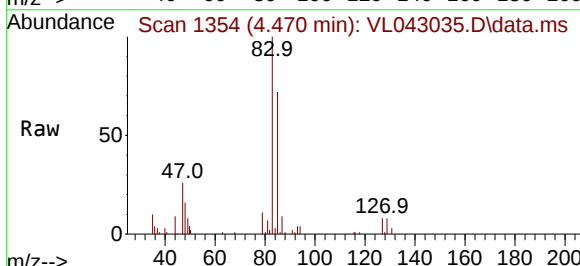
RT: 4.470 min Scan# 1354

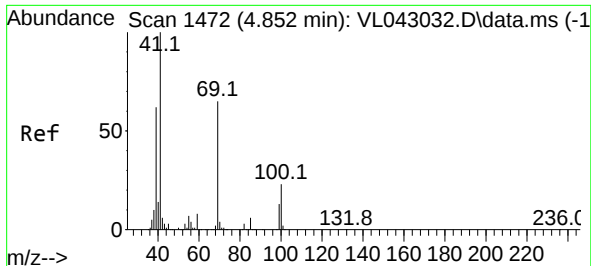
Delta R.T. 0.003 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

Tgt Ion:	83	Resp:	20289
Ion	Ratio	Lower	Upper
83	100		
85	72.1	51.8	77.8
127	8.1	5.9	8.9

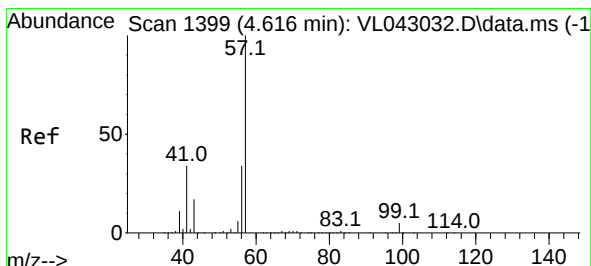
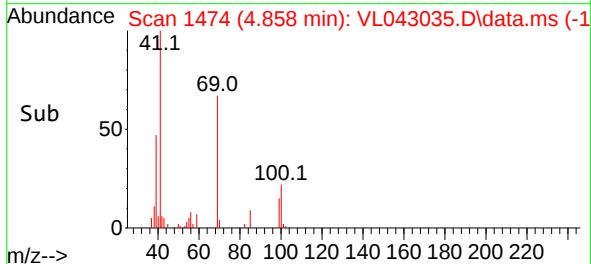
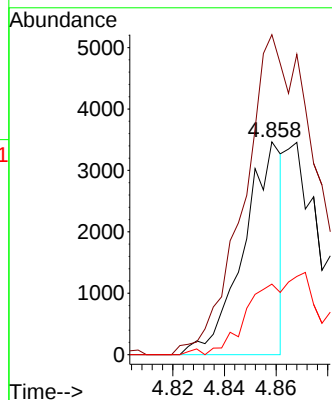
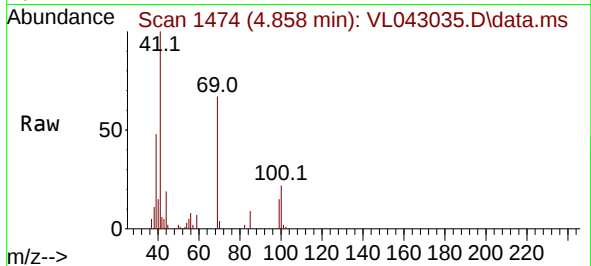




#43
Methyl Methacrylate
Concen: 0.217 ppbv
RT: 4.858 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

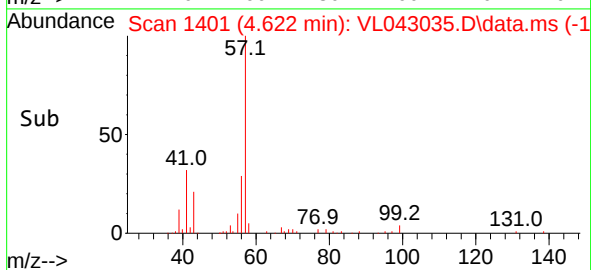
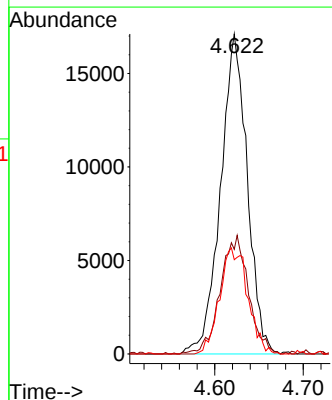
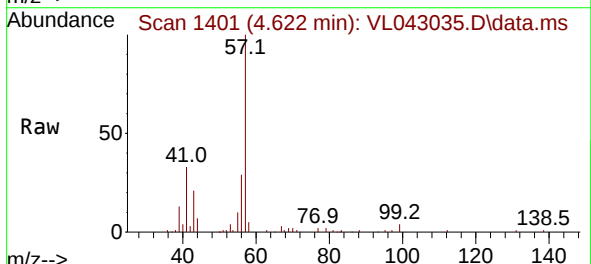
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

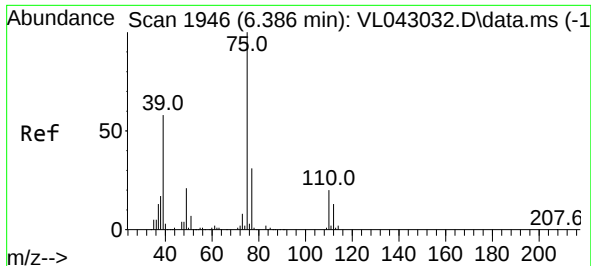
Tgt Ion: 69 Resp: 3560
Ion Ratio Lower Upper
69 100
41 294.8 118.0 177.0#
100 0.0 28.3 42.5#



#44
2,2,4-Trimethylpentane
Concen: 0.452 ppbv
RT: 4.622 min Scan# 1401
Delta R.T. 0.006 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Tgt Ion: 57 Resp: 35845
Ion Ratio Lower Upper
57 100
41 39.2 27.0 40.4
56 34.9 26.0 39.0





#45

t-1,3-Dichloropropene

Concen: 0.238 ppbv

RT: 6.393 min Scan# 1946

Delta R.T. 0.006 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

Instrument :

MSVOA_L

ClientSampleId :

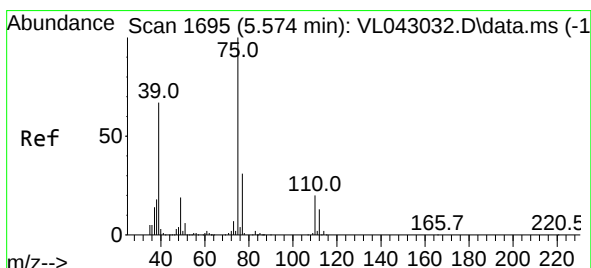
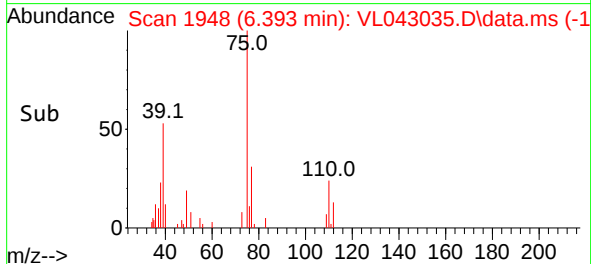
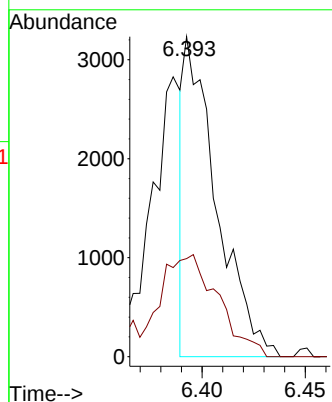
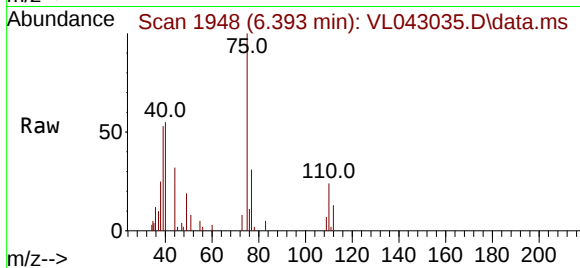
VSTDICC0.5

Tgt Ion: 75 Resp: 3531

Ion Ratio Lower Upper

75 100

77 30.7 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 0.281 ppbv

RT: 5.574 min Scan# 1695

Delta R.T. -0.000 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

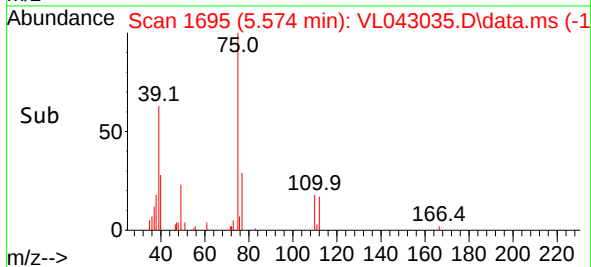
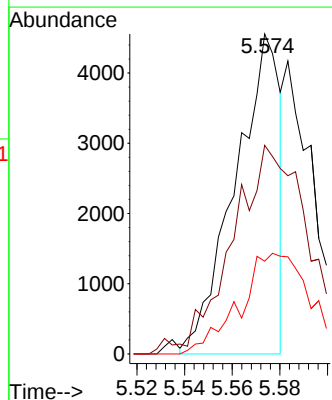
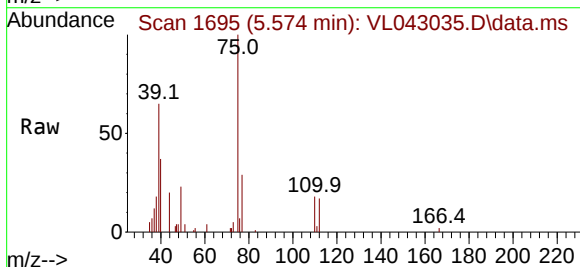
Tgt Ion: 75 Resp: 5933

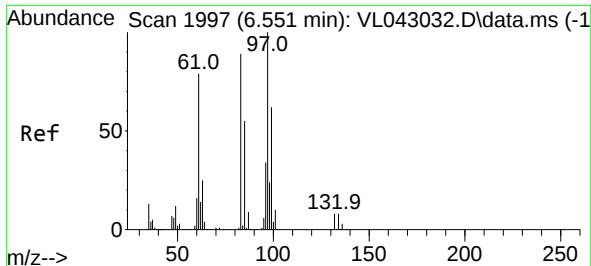
Ion Ratio Lower Upper

75 100

39 63.2 53.4 80.0

77 29.5 25.0 37.4





#47

1,1,2-Trichloroethane

Concen: 0.159 ppbv

RT: 6.571 min Scan# 20

Delta R.T. 0.019 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.5

Tgt Ion: 97 Resp: 3242

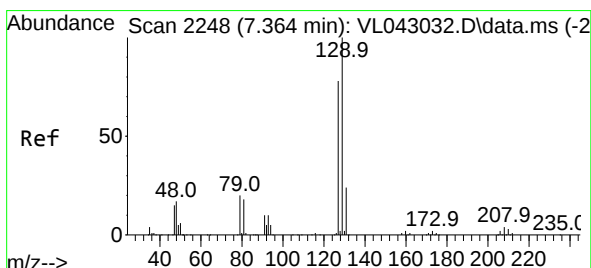
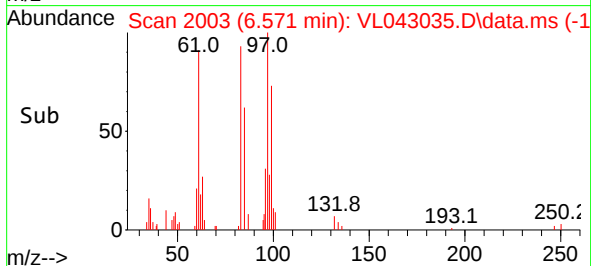
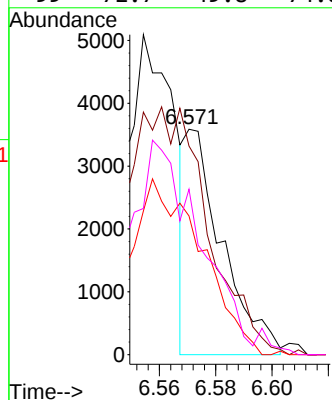
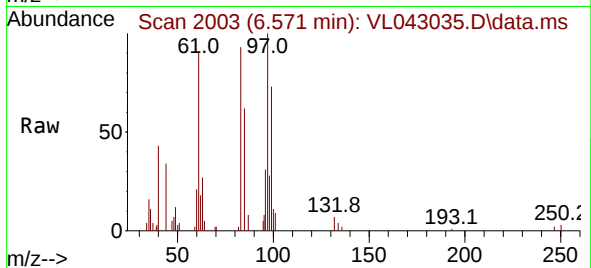
Ion Ratio Lower Upper

97 100

83 93.0 71.1 106.7

85 61.8 44.3 66.5

99 72.7 49.8 74.8



#48

Dibromochloromethane

Concen: 0.495 ppbv

RT: 7.370 min Scan# 2250

Delta R.T. 0.006 min

Lab File: VL043035.D

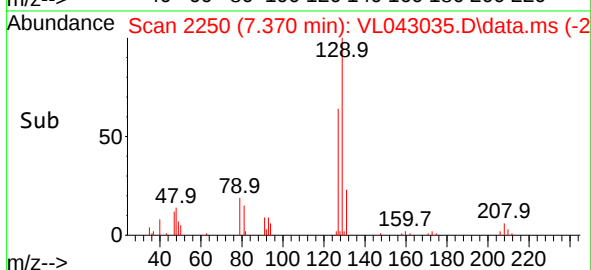
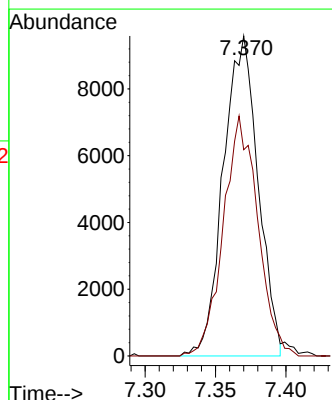
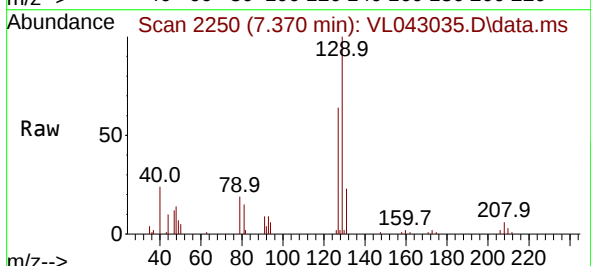
Acq: 02 Oct 2025 12:02

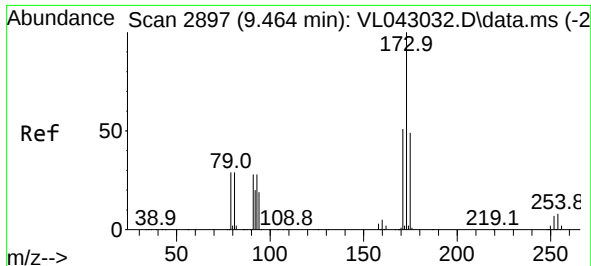
Tgt Ion: 129 Resp: 16456

Ion Ratio Lower Upper

129 100

127 74.6 38.6 116.0

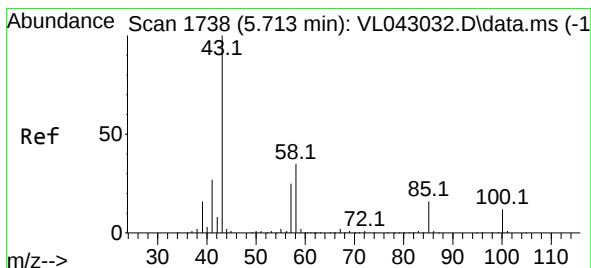
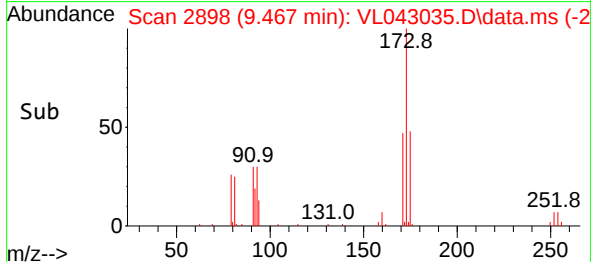
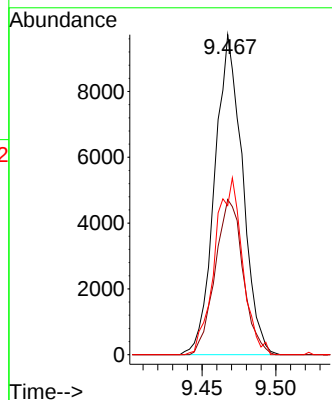
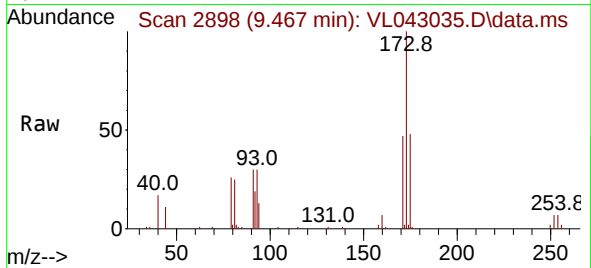




#49
Bromoform
Concen: 0.458 ppbv
RT: 9.467 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

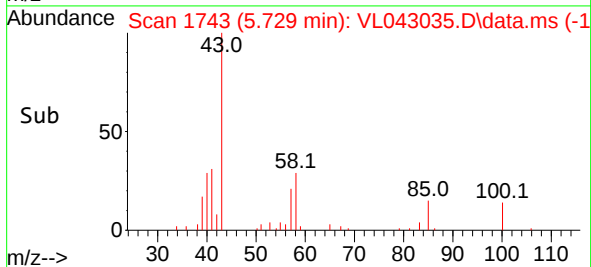
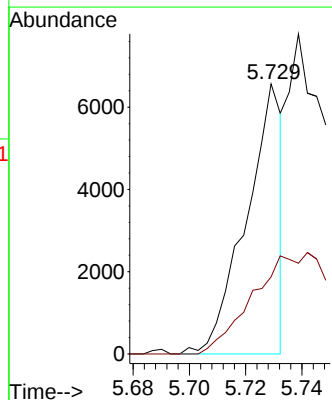
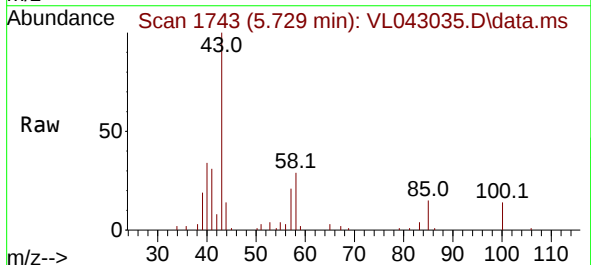
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

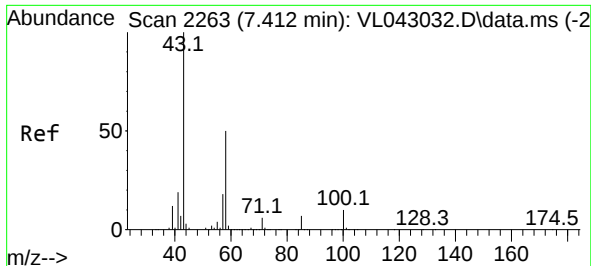
Tgt Ion:173 Resp: 12720
Ion Ratio Lower Upper
173 100
175 48.9 39.1 58.7
171 55.0 41.4 62.2



#50
4-Methyl-2-Pentanone
Concen: 0.135 ppbv
RT: 5.729 min Scan# 1743
Delta R.T. 0.016 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Tgt Ion: 43 Resp: 5791
Ion Ratio Lower Upper
43 100
58 0.0 28.7 43.1#

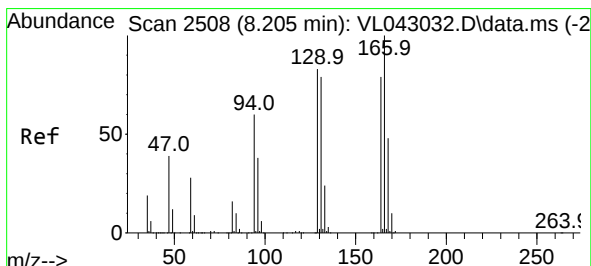
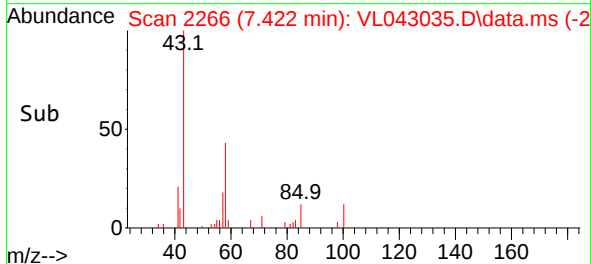
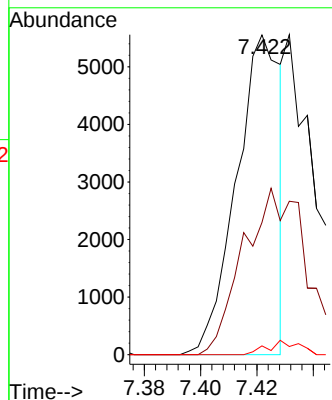
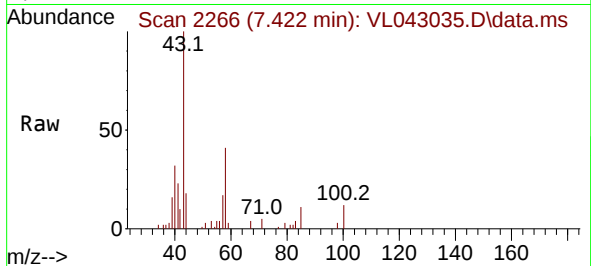




#51
2-Hexanone
Concen: 0.198 ppbv
RT: 7.422 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

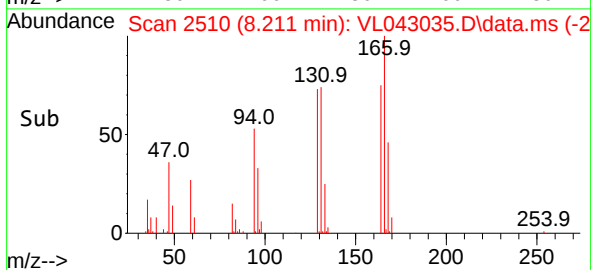
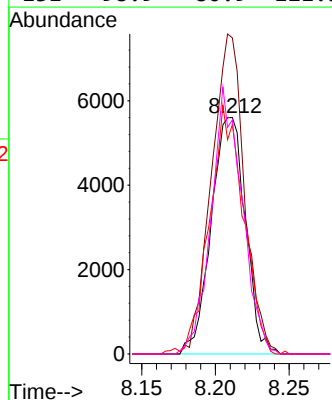
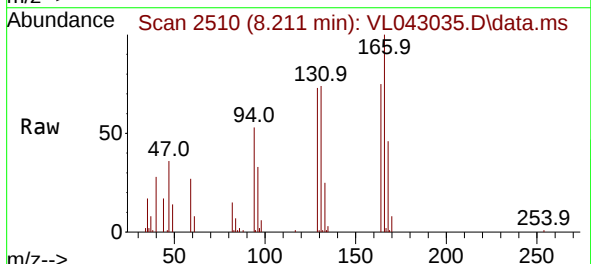
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

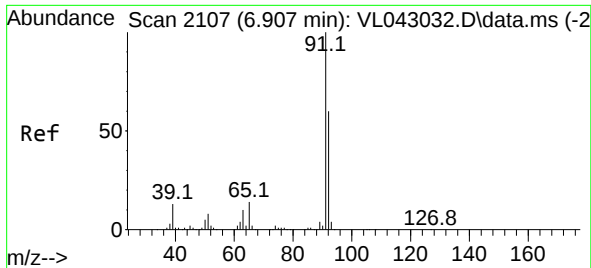
Tgt Ion: 43 Resp: 6010
Ion Ratio Lower Upper
43 100
58 0.0 39.1 58.7#
98 0.0 0.5 0.7#



#52
Tetrachloroethene
Concen: 0.490 ppbv
RT: 8.211 min Scan# 2510
Delta R.T. 0.006 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Tgt Ion: 164 Resp: 9020
Ion Ratio Lower Upper
164 100
166 133.6 101.8 152.8
129 97.0 84.5 126.7
131 98.9 80.9 121.3





#53

Toluene

Concen: 0.414 ppbv

RT: 6.914 min Scan# 2109

Delta R.T. 0.006 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

Instrument :

MSVOA_L

ClientSampleId :

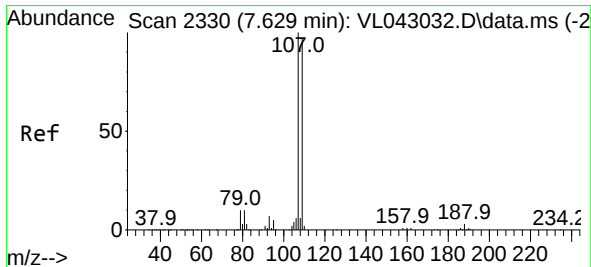
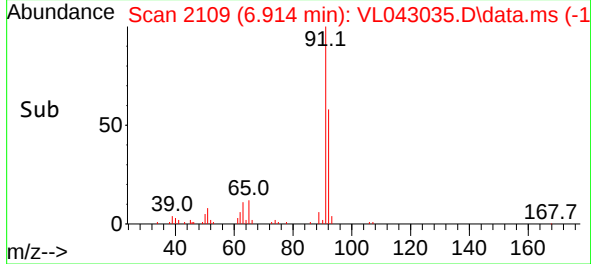
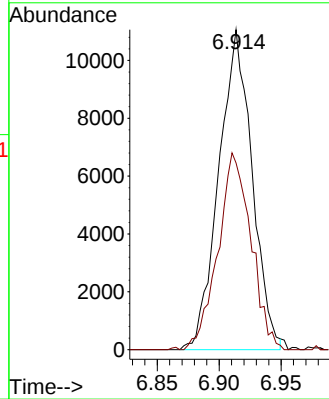
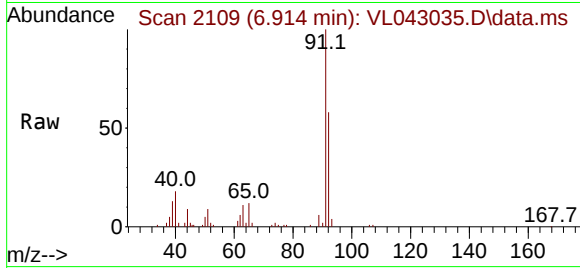
VSTDICC0.5

Tgt Ion: 91 Resp: 20668

Ion Ratio Lower Upper

91 100

92 61.2 47.8 71.6



#54

1,2-Dibromoethane

Concen: 0.477 ppbv

RT: 7.632 min Scan# 2331

Delta R.T. 0.003 min

Lab File: VL043035.D

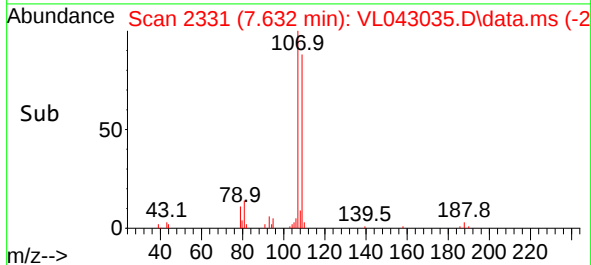
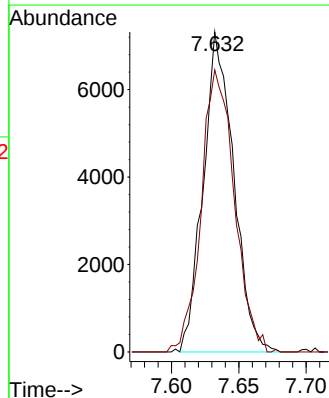
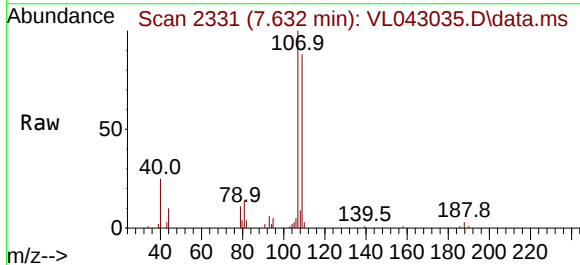
Acq: 02 Oct 2025 12:02

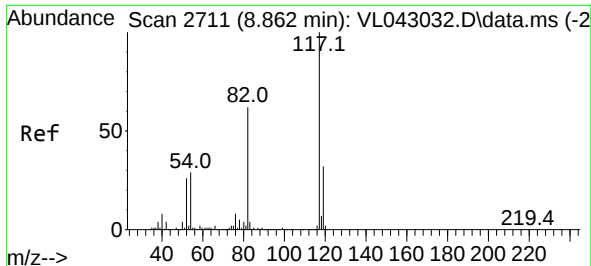
Tgt Ion: 107 Resp: 11508

Ion Ratio Lower Upper

107 100

109 88.2 77.4 116.0

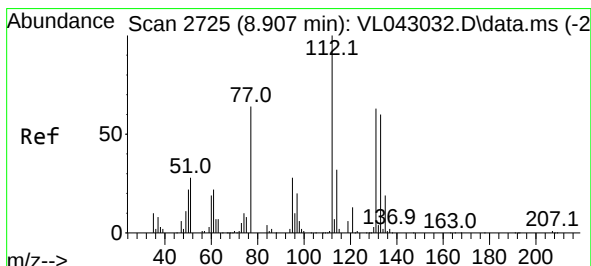
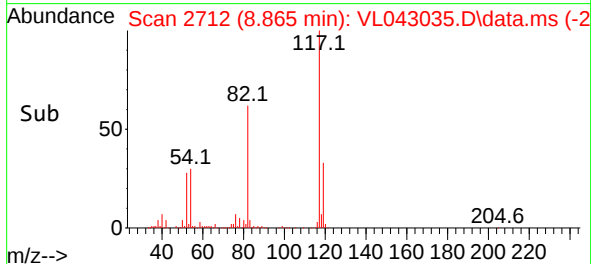
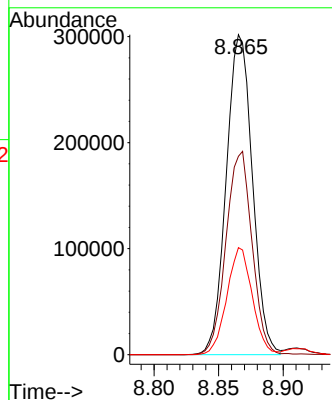
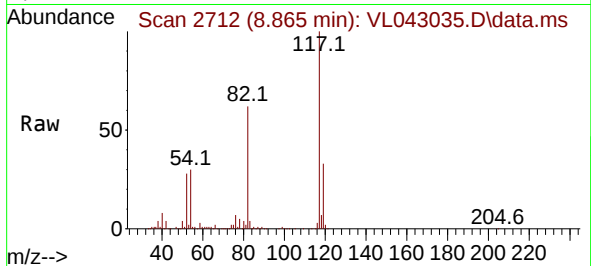




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.865 min Scan# 2711
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

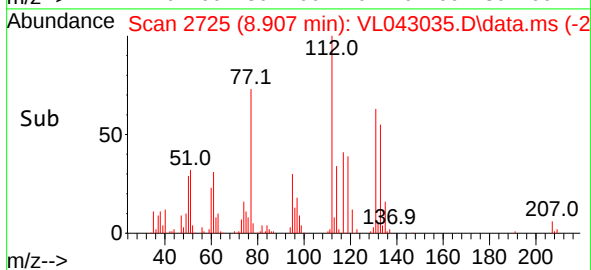
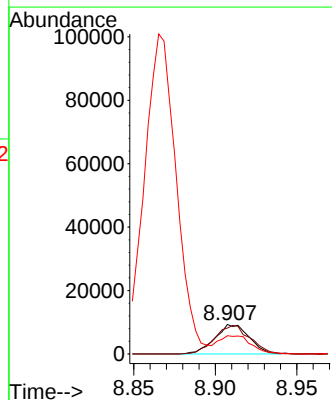
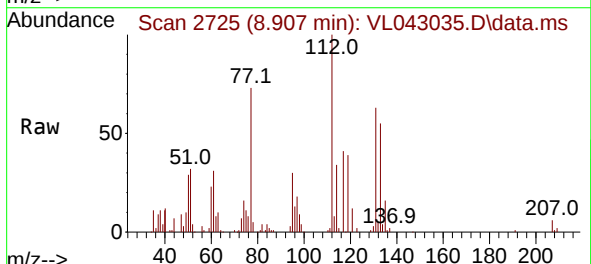
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

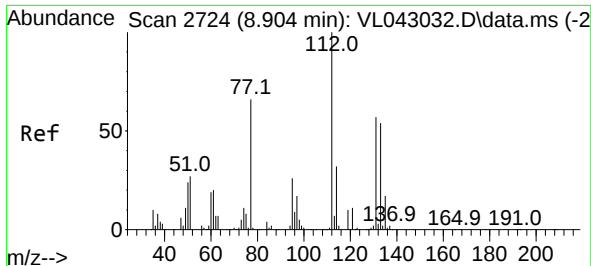
Tgt Ion:117 Resp: 425928
Ion Ratio Lower Upper
117 100
82 63.6 53.0 79.6
119 34.4 25.4 38.2



#56
1,1,1,2-Tetrachloroethane
Concen: 0.522 ppbv
RT: 8.907 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Tgt Ion:131 Resp: 13550
Ion Ratio Lower Upper
131 100
133 100.7 76.2 114.4
119 1082.3 49.4 74.2#

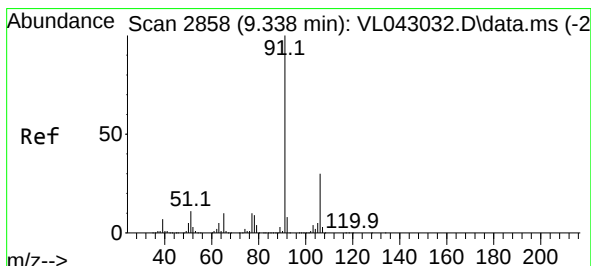
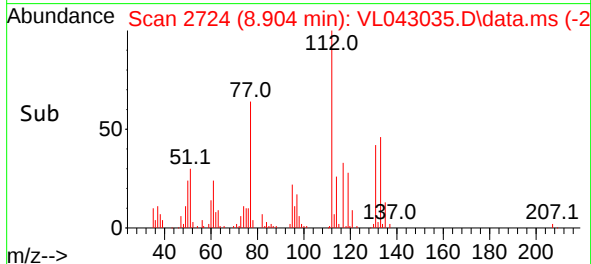
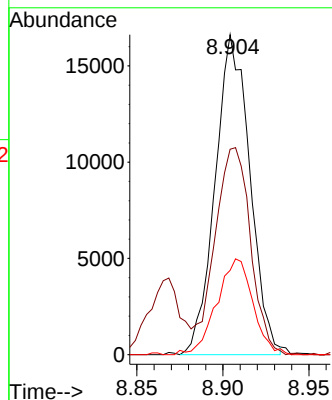
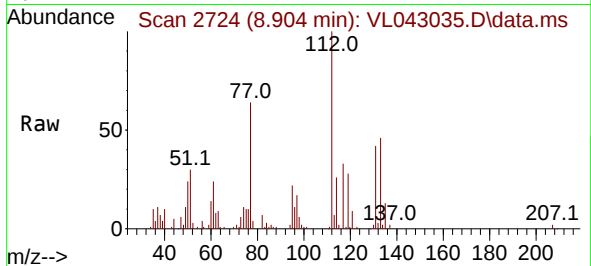




#57
Chlorobenzene
Concen: 0.517 ppbv
RT: 8.904 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

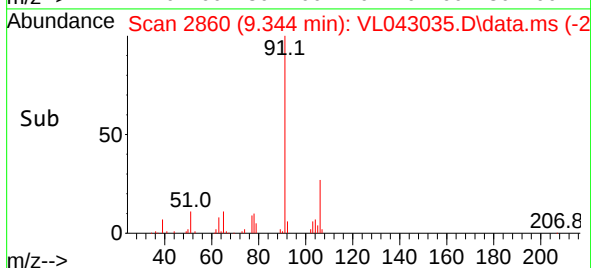
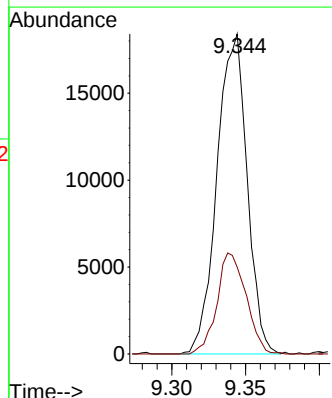
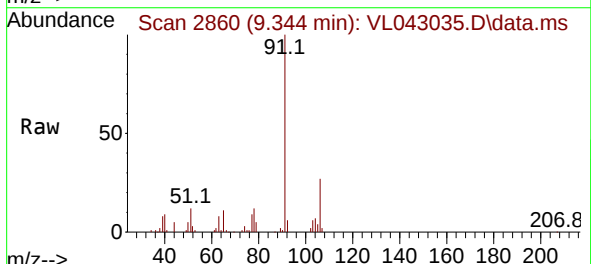
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

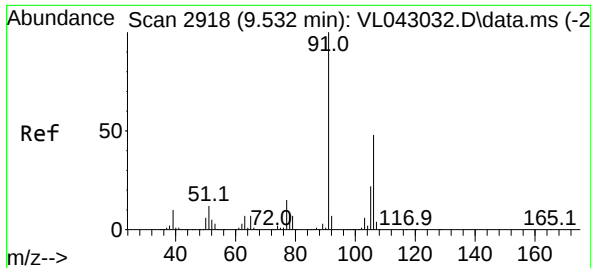
Tgt Ion:112 Resp: 23267
Ion Ratio Lower Upper
112 100
77 63.0 53.2 79.8
114 25.0 28.6 35.0#



#58
Ethyl Benzene
Concen: 0.396 ppbv
RT: 9.344 min Scan# 2860
Delta R.T. 0.006 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Tgt Ion: 91 Resp: 26120
Ion Ratio Lower Upper
91 100
106 27.2 24.1 36.1

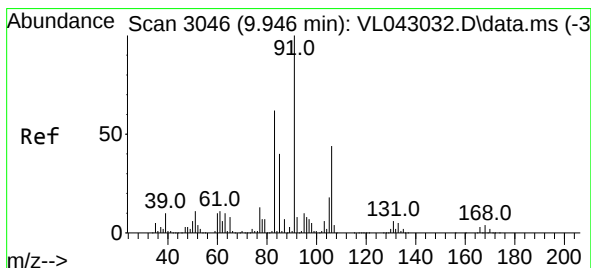
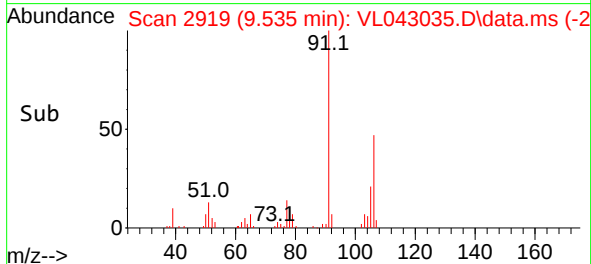
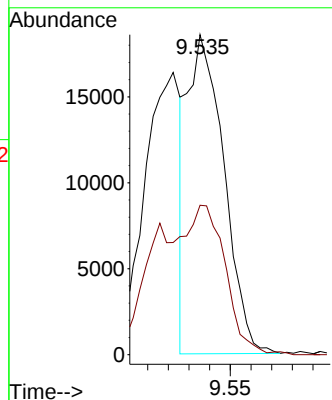
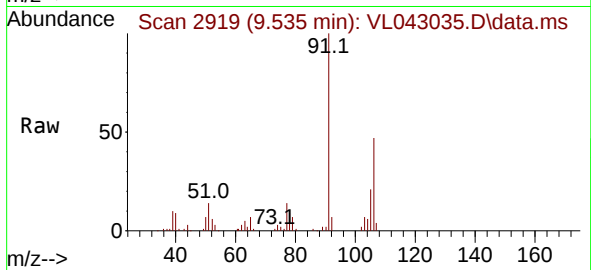




#59
m/p-Xylene
Concen: 0.409 ppbv
RT: 9.535 min Scan# 2918
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

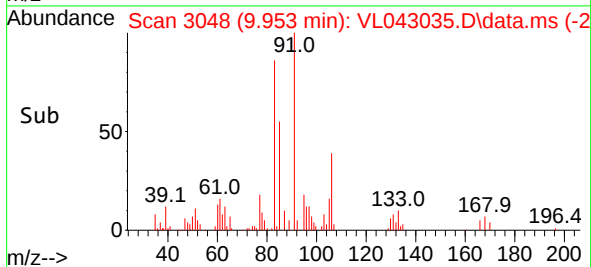
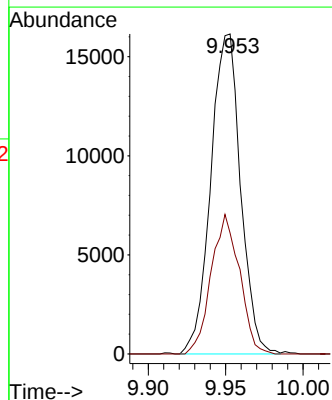
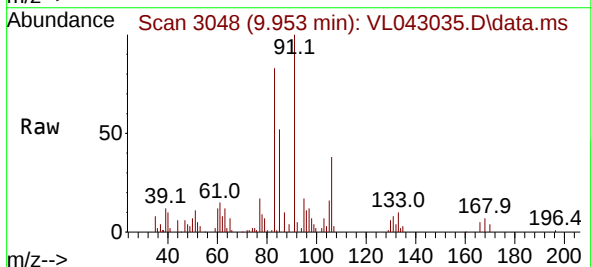
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

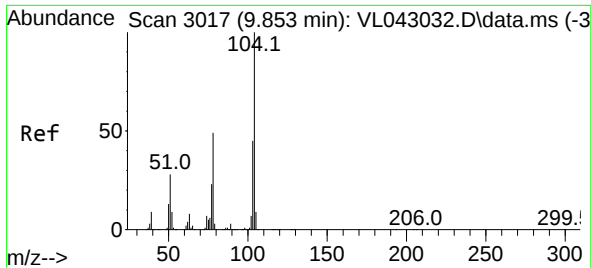
Tgt Ion: 91 Resp: 22769
Ion Ratio Lower Upper
91 100
106 89.0 37.5 56.3#



#60
o-Xylene
Concen: 0.390 ppbv
RT: 9.953 min Scan# 3048
Delta R.T. 0.006 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Tgt Ion: 91 Resp: 21624
Ion Ratio Lower Upper
91 100
106 41.5 21.9 65.5





#61

Styrene

Concen: 0.358 ppbv

RT: 9.859 min Scan# 3017

Delta R.T. 0.006 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

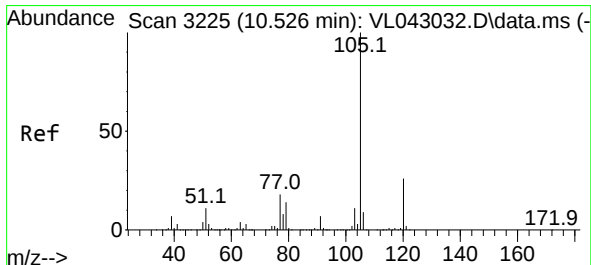
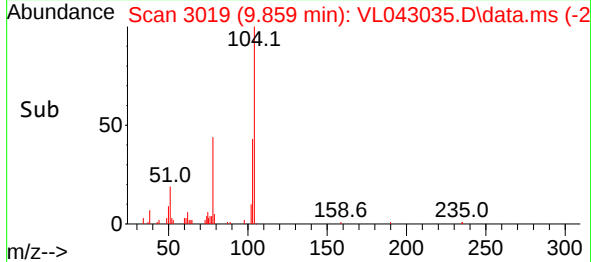
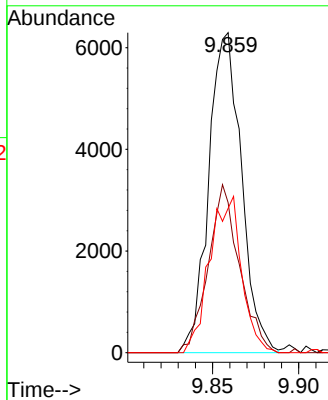
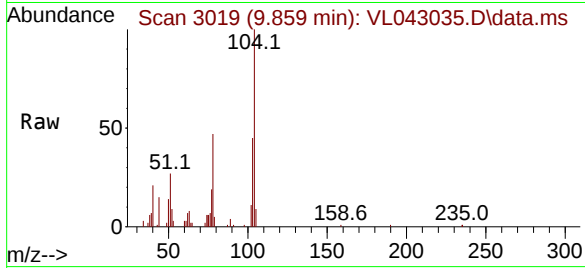
Tgt Ion:104 Resp: 8323

Ion Ratio Lower Upper

104 100

78 50.3 39.7 59.5

103 47.9 37.6 56.4



#62

Isopropylbenzene

Concen: 0.430 ppbv

RT: 10.526 min Scan# 3225

Delta R.T. -0.000 min

Lab File: VL043035.D

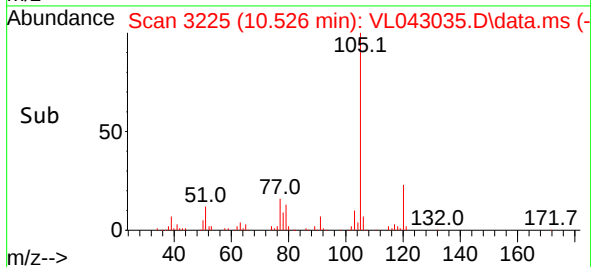
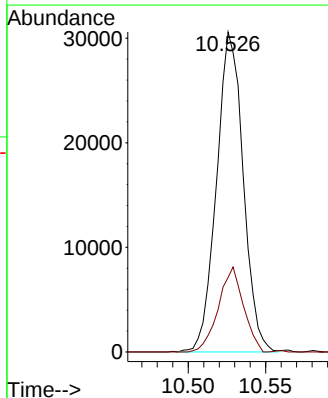
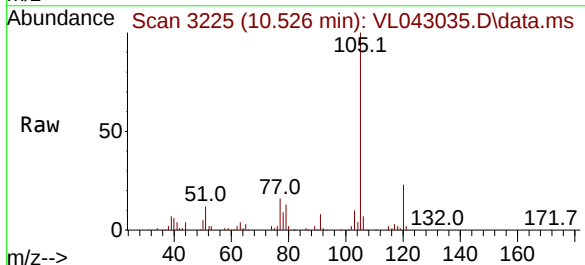
Acq: 02 Oct 2025 12:02

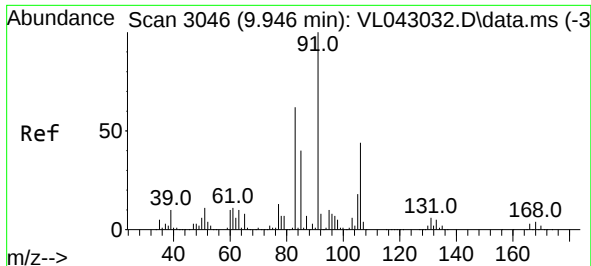
Tgt Ion:105 Resp: 36604

Ion Ratio Lower Upper

105 100

120 25.1 20.6 31.0

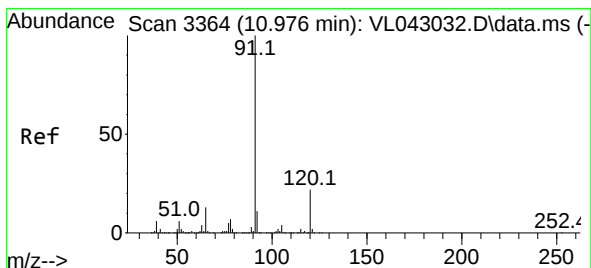
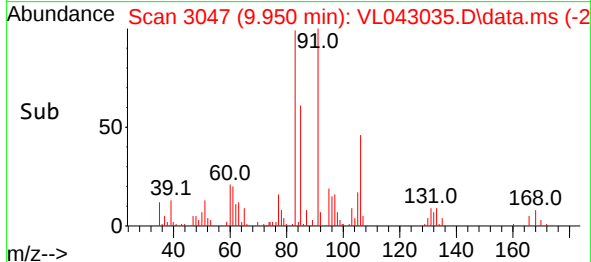
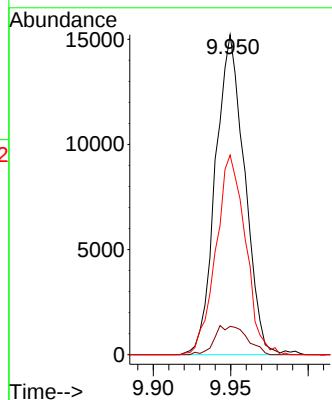
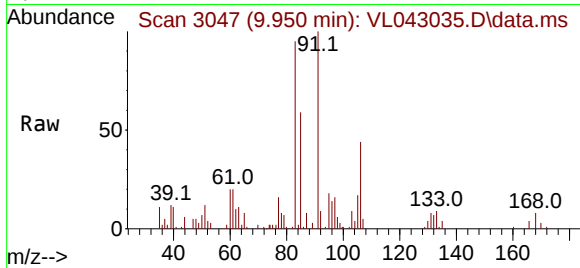




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.497 ppbv
 RT: 9.950 min Scan# 3046
 Delta R.T. 0.003 min
 Lab File: VL043035.D
 Acq: 02 Oct 2025 12:02

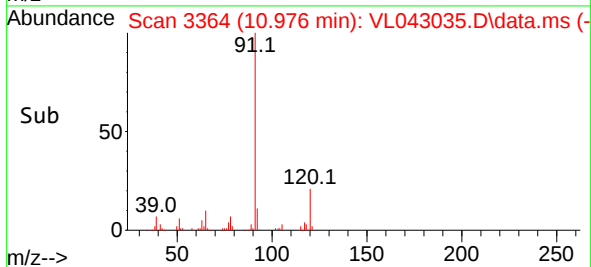
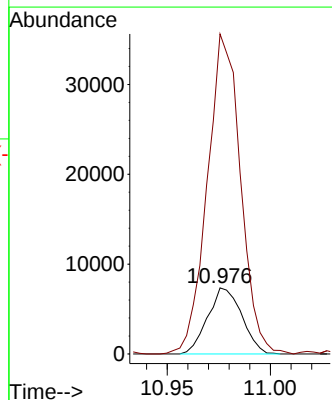
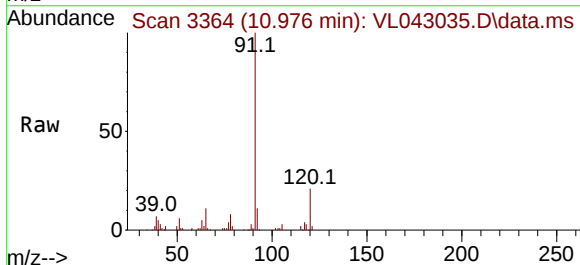
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

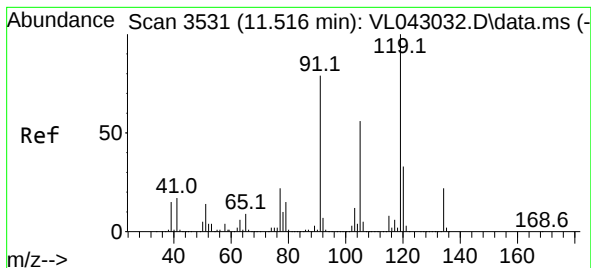
Tgt Ion: 83 Resp: 19863
 Ion Ratio Lower Upper
 83 100
 131 10.0 4.7 14.1
 85 63.4 32.0 96.2



#64
 n-propylbenzene
 Concen: 0.388 ppbv
 RT: 10.976 min Scan# 3364
 Delta R.T. -0.000 min
 Lab File: VL043035.D
 Acq: 02 Oct 2025 12:02

Tgt Ion: 120 Resp: 8445
 Ion Ratio Lower Upper
 120 100
 91 476.4 367.0 550.4





#65

tert-Butylbenzene

Concen: 0.373 ppbv

RT: 11.523 min Scan# 3533

Delta R.T. 0.006 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

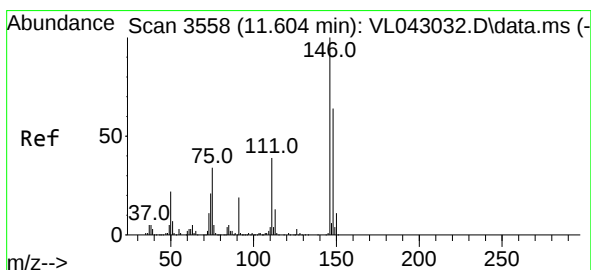
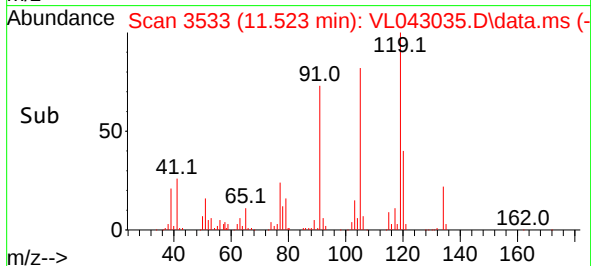
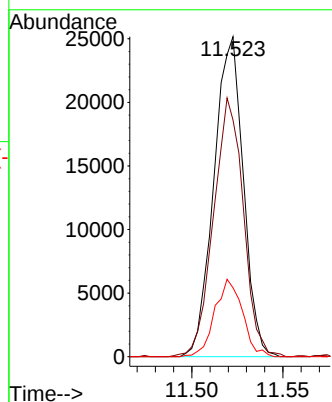
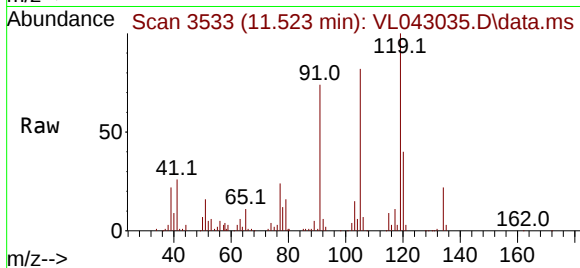
Tgt Ion:119 Resp: 28268

Ion Ratio Lower Upper

119 100

91 82.0 63.1 94.7

134 22.8 16.9 25.3



#66

Benzyl Chloride

Concen: 0.437 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. 0.003 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

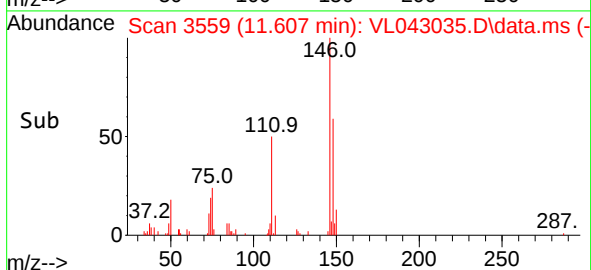
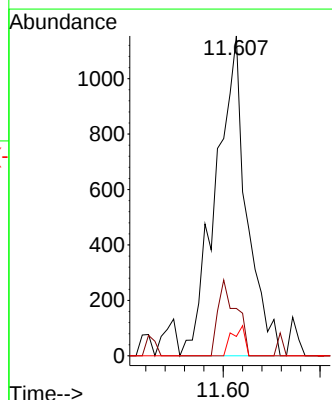
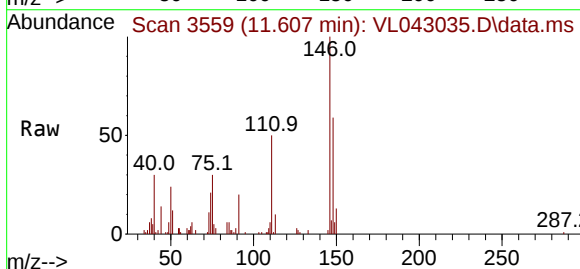
Tgt Ion: 91 Resp: 1282

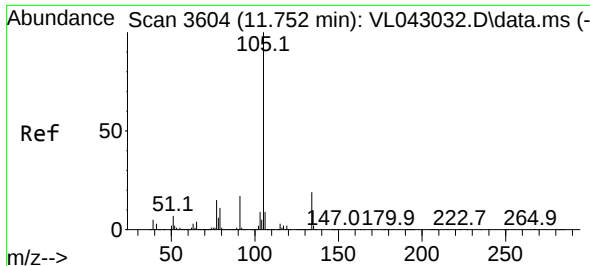
Ion Ratio Lower Upper

91 100

126 14.1 14.2 21.4#

128 4.0 4.8 7.2#

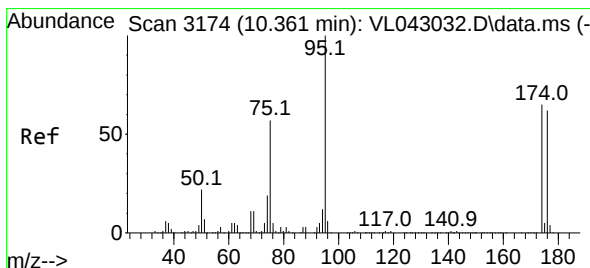
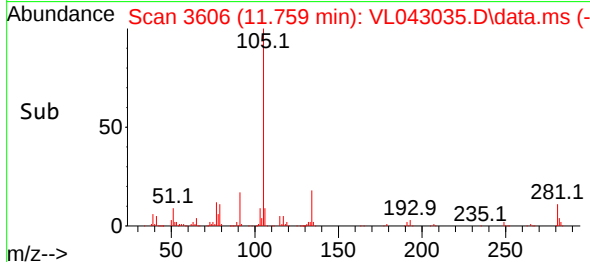
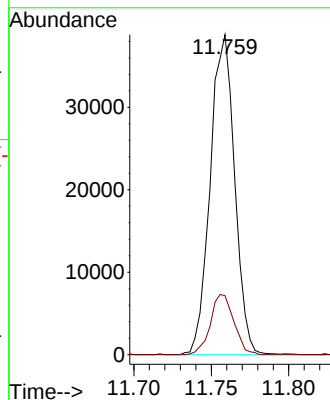
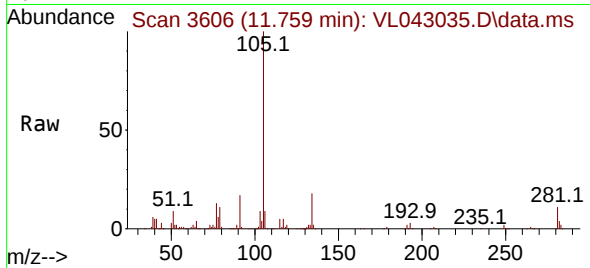




#67
 sec-Butylbenzene
 Concen: 0.403 ppbv
 RT: 11.759 min Scan# 3175
 Delta R.T. 0.006 min
 Lab File: VL043035.D
 Acq: 02 Oct 2025 12:02

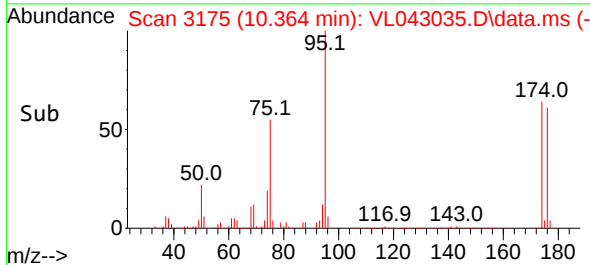
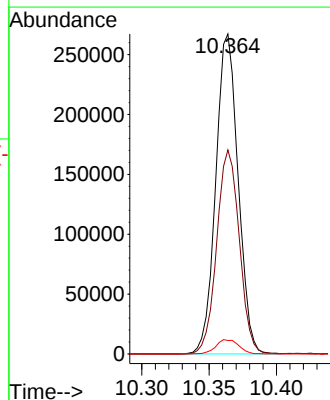
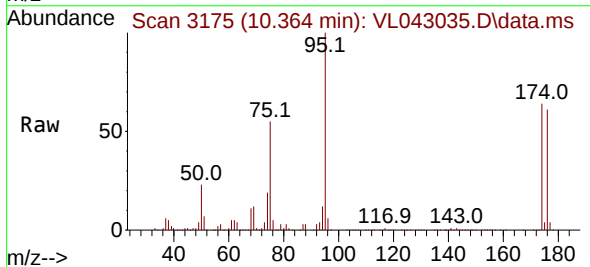
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

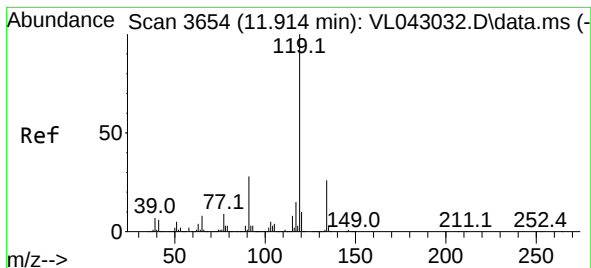
Tgt Ion:105 Resp: 42587
 Ion Ratio Lower Upper
 105 100
 134 18.1 15.2 22.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.057 ppbv
 RT: 10.364 min Scan# 3175
 Delta R.T. 0.003 min
 Lab File: VL043035.D
 Acq: 02 Oct 2025 12:02

Tgt Ion: 95 Resp: 308574
 Ion Ratio Lower Upper
 95 100
 174 64.5 52.3 78.5
 175 4.6 3.8 5.8





#69

p-Isopropyltoluene

Concen: 0.370 ppbv

RT: 11.917 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.5

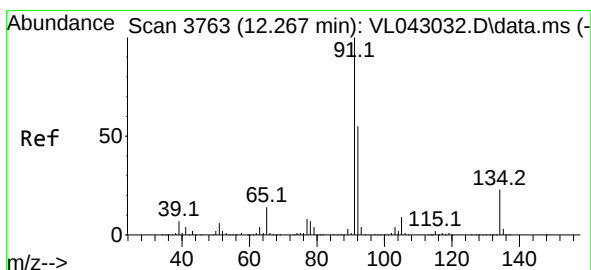
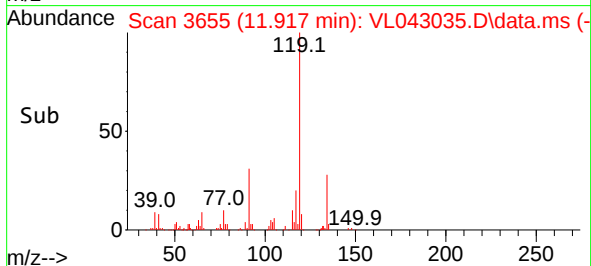
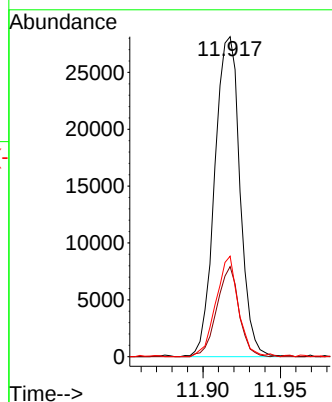
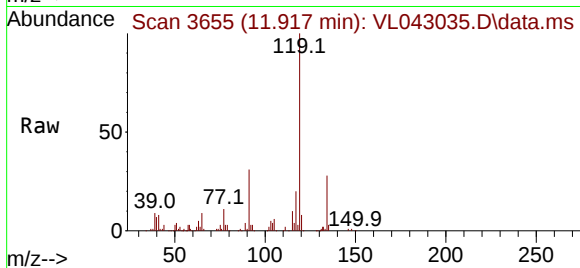
Tgt Ion:119 Resp: 31837

Ion Ratio Lower Upper

119 100

134 24.6 20.5 30.7

91 28.6 22.6 33.8



#70

n-Butylbenzene

Concen: 0.336 ppbv

RT: 12.273 min Scan# 3765

Delta R.T. 0.006 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

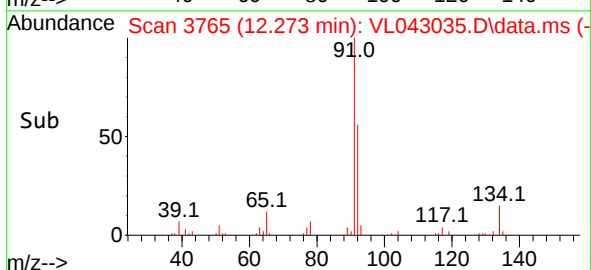
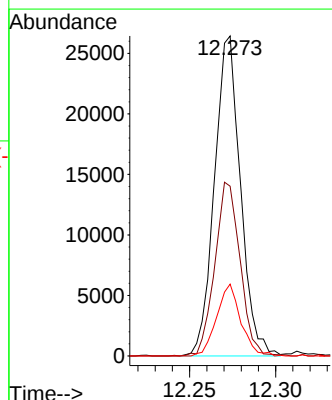
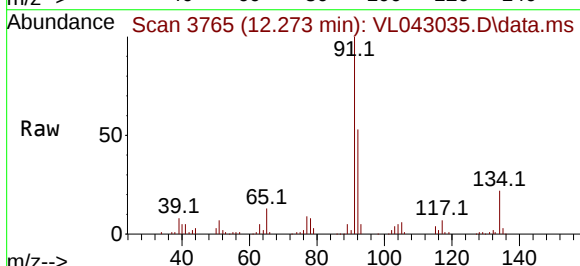
Tgt Ion: 91 Resp: 27814

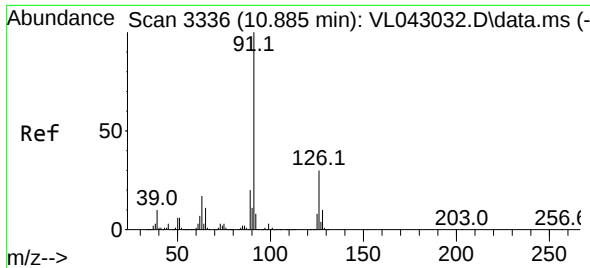
Ion Ratio Lower Upper

91 100

92 52.9 43.9 65.9

134 20.8 18.9 28.3

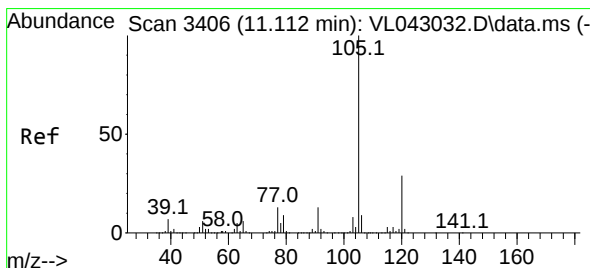
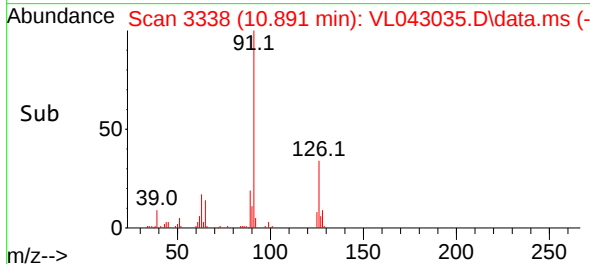
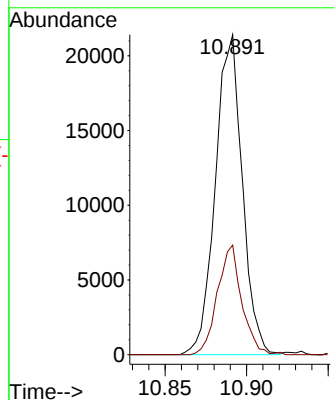
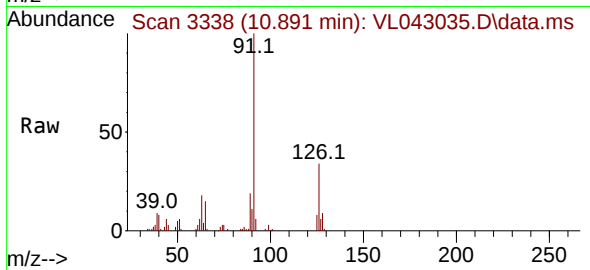




#71
2-Chlorotoluene
Concen: 0.399 ppbv
RT: 10.891 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

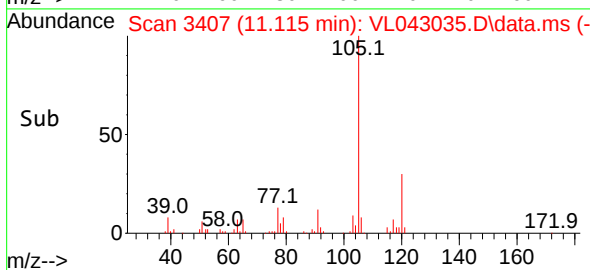
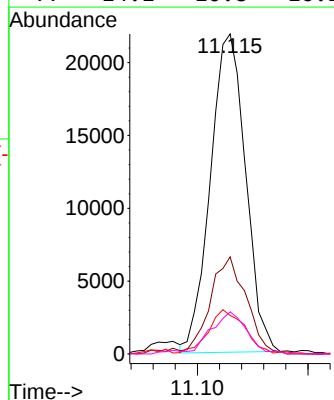
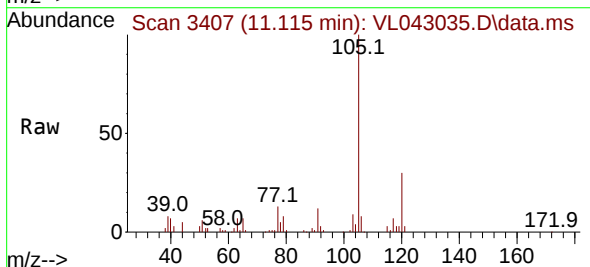
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

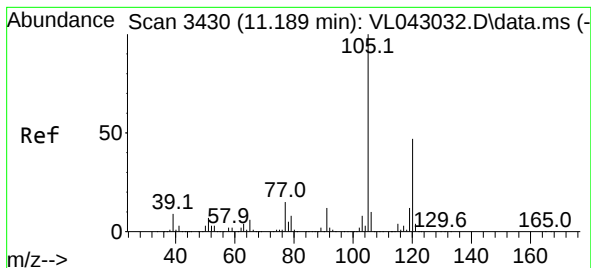
Tgt Ion: 91 Resp: 24562
Ion Ratio Lower Upper
91 100
126 30.9 12.2 48.6



#72
4-Ethyltoluene
Concen: 0.366 ppbv
RT: 11.115 min Scan# 3407
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Tgt Ion: 105 Resp: 24162
Ion Ratio Lower Upper
105 100
120 32.3 23.5 35.3
91 15.8 10.4 15.6#
77 14.1 10.8 16.2





#73

1,3,5-Trimethylbenzene

Concen: 0.381 ppbv

RT: 11.192 min Scan# 3431

Delta R.T. 0.003 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

Instrument :

MSVOA_1

ClientSampleId :

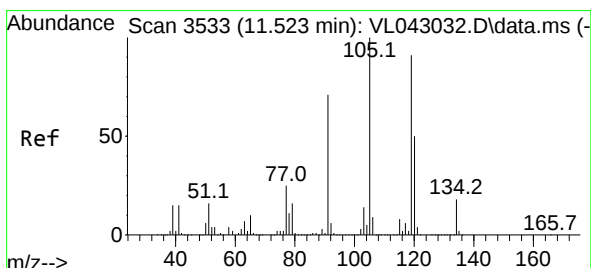
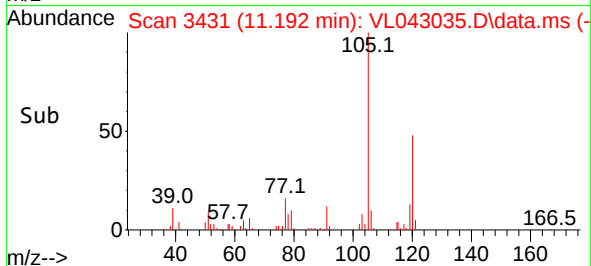
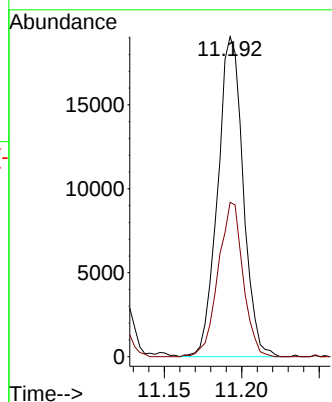
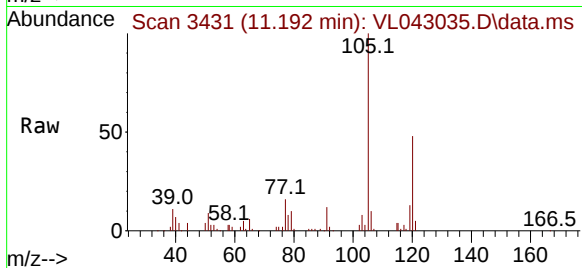
VSTDIC0.5

Tgt Ion:105 Resp: 21772

Ion Ratio Lower Upper

105 100

120 48.2 37.5 56.3



#74

1,2,4-Trimethylbenzene

Concen: 0.370 ppbv

RT: 11.526 min Scan# 3534

Delta R.T. 0.003 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

Tgt Ion:105 Resp: 23834

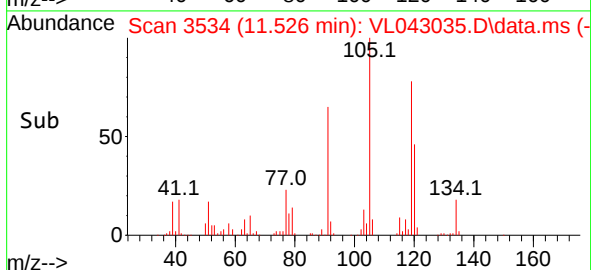
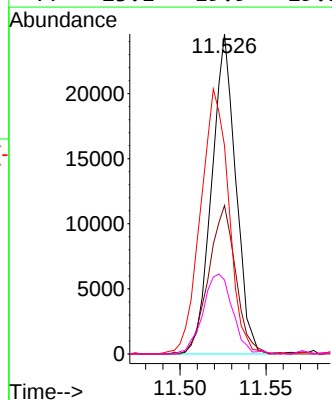
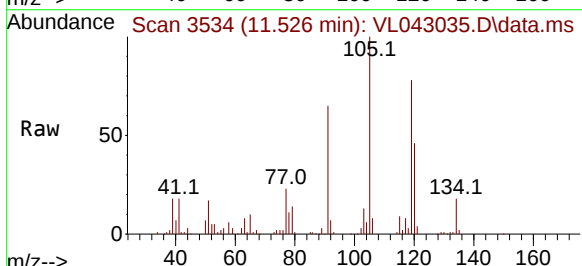
Ion Ratio Lower Upper

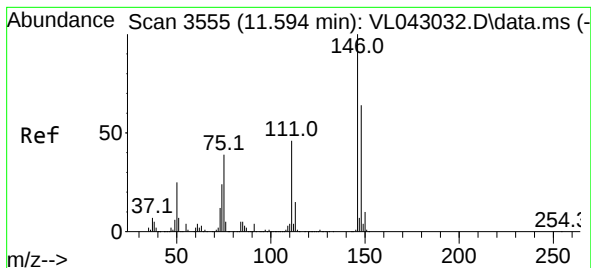
105 100

120 46.1 39.7 59.5

91 64.8 56.5 84.7

77 23.1 19.9 29.9





#75

1,3-Dichlorobenzene

Concen: 0.465 ppbv

RT: 11.594 min Scan# 3555

Delta R.T. -0.000 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.5

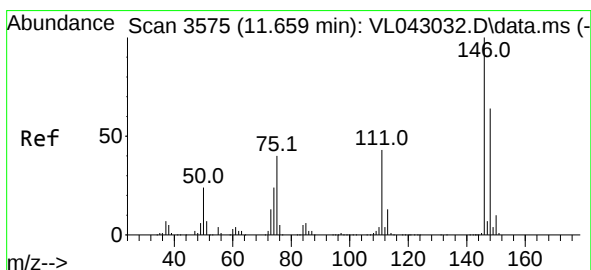
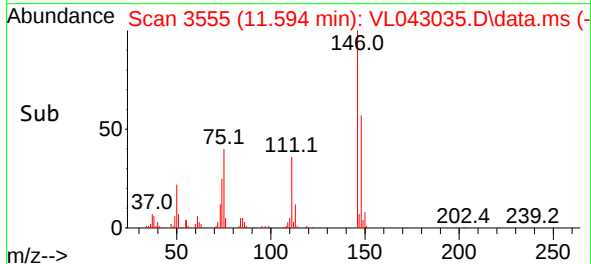
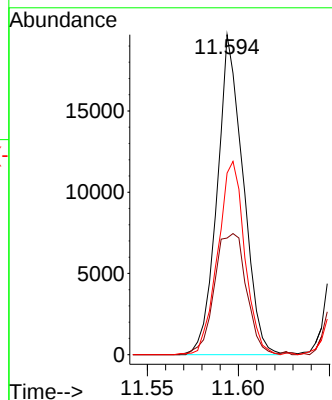
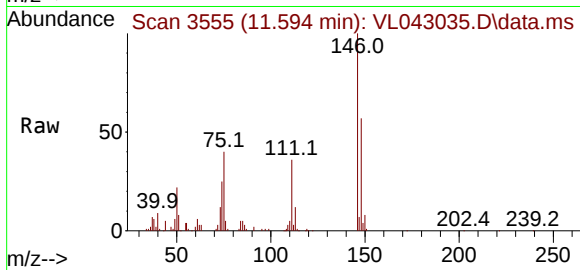
Tgt Ion:146 Resp: 19501

Ion Ratio Lower Upper

146 100

111 46.8 22.6 67.7

148 62.7 31.9 95.7



#76

1,4-Dichlorobenzene

Concen: 0.452 ppbv

RT: 11.662 min Scan# 3576

Delta R.T. 0.003 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

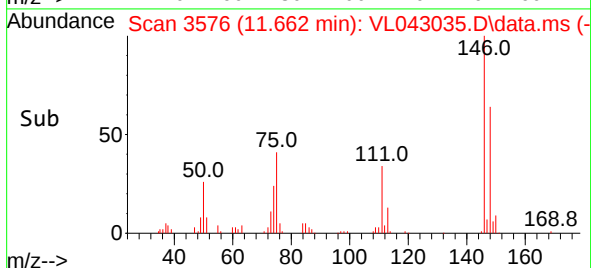
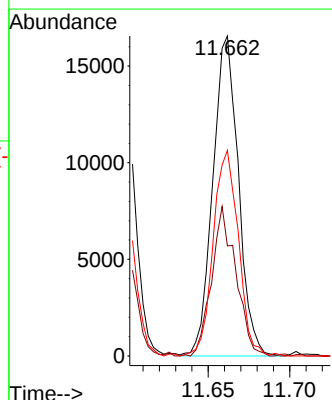
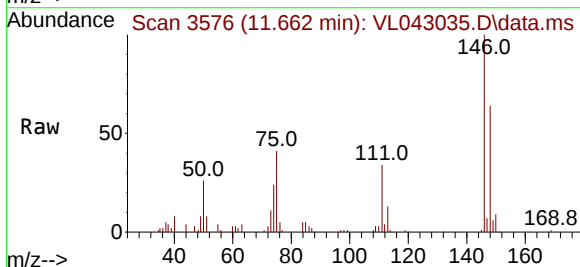
Tgt Ion:146 Resp: 18048

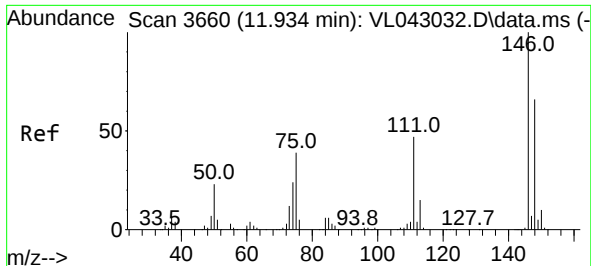
Ion Ratio Lower Upper

146 100

111 44.6 21.7 65.1

148 63.3 32.1 96.3

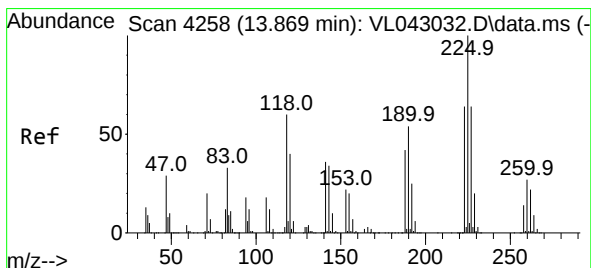
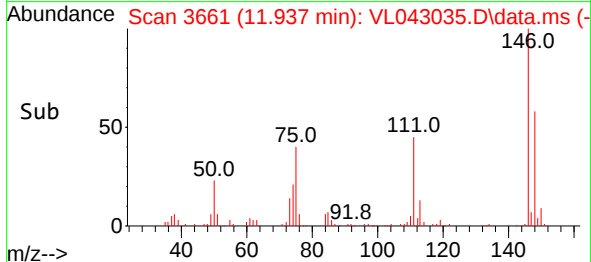
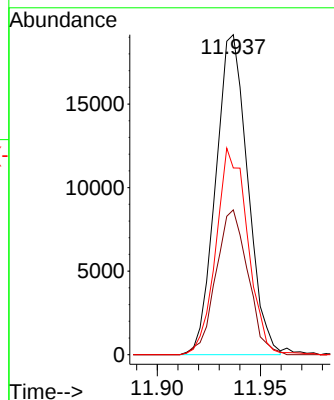
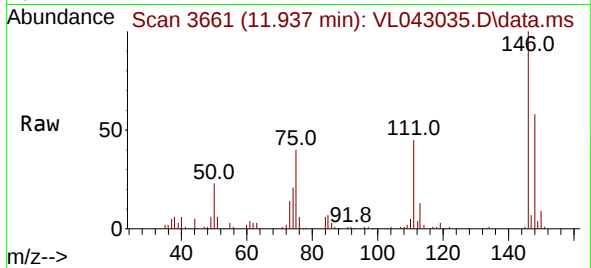




#77
1,2-Dichlorobenzene
Concen: 0.494 ppbv
RT: 11.937 min Scan# 3661
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

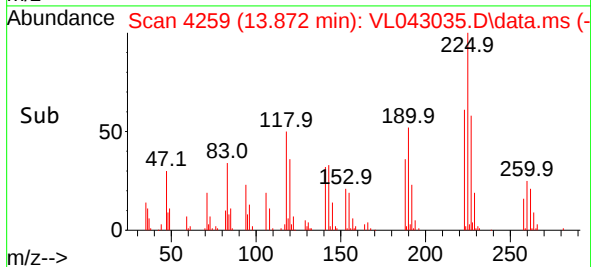
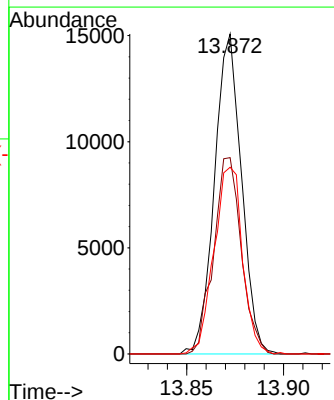
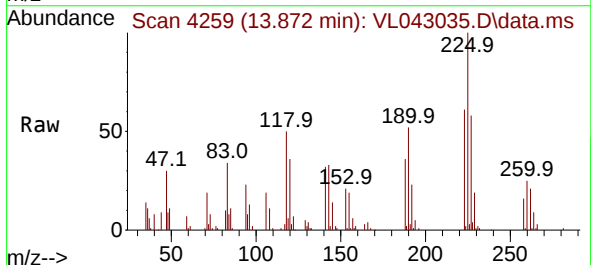
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

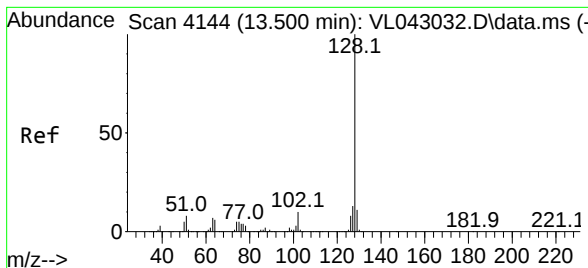
Tgt Ion:146 Resp: 20622
Ion Ratio Lower Upper
146 100
111 45.4 23.2 69.5
148 64.1 31.9 95.7



#78
Hexachloro-1,3-Butadiene
Concen: 0.502 ppbv
RT: 13.872 min Scan# 4259
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Tgt Ion:225 Resp: 14594
Ion Ratio Lower Upper
225 100
223 63.1 50.9 76.3
227 61.8 50.9 76.3





#79

Naphthalene

Concen: 0.436 ppbv

RT: 13.507 min Scan# 4144

Delta R.T. 0.007 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

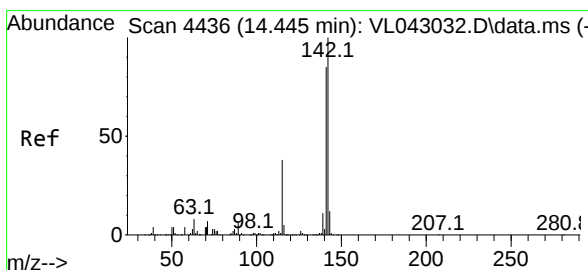
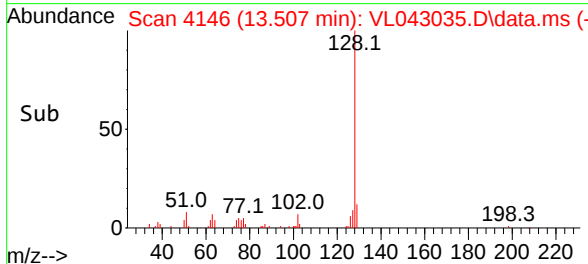
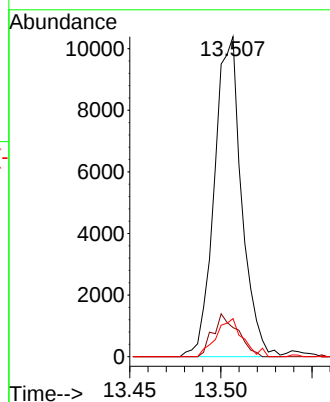
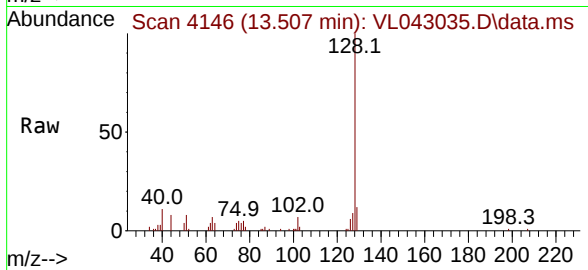
Tgt Ion:128 Resp: 10812

Ion Ratio Lower Upper

128 100

127 9.1 10.6 16.0#

129 11.9 8.8 13.2



#80

Naphthalene,2-methyl-

Concen: 0.772 ppbv

RT: 14.452 min Scan# 4438

Delta R.T. 0.007 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

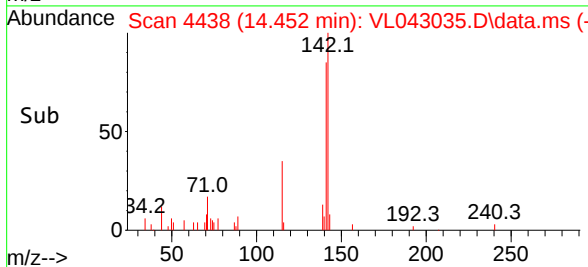
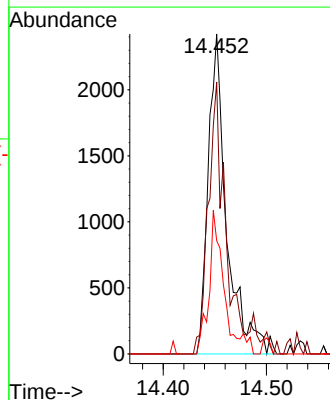
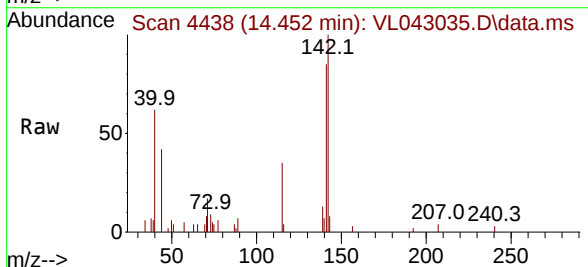
Tgt Ion:142 Resp: 3011

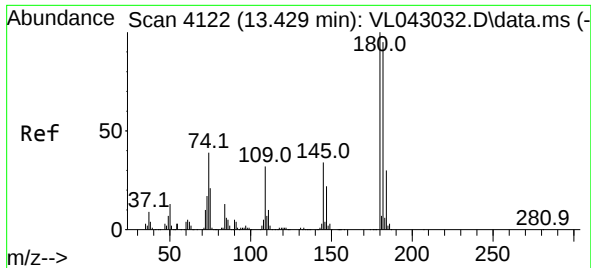
Ion Ratio Lower Upper

142 100

141 84.7 66.6 100.0

115 38.5 30.1 45.1





#81

1,2,4-Trichlorobenzene

Concen: 0.539 ppbv

RT: 13.432 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043035.D

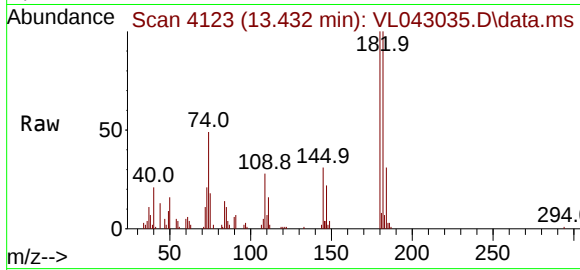
Acq: 02 Oct 2025 12:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5



Tgt Ion:180 Resp: 6620

Ion Ratio Lower Upper

180 100

182 99.0 76.9 115.3

184 32.0 23.9 35.9

