

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043031.D
 Acq On : 02 Oct 2025 09:50
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Oct 03 08:00:22 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 07:59:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.774	49	172062	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.936	114	504004	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.859	117	415115	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.357	95	301605	10.086	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.492	85	15037	0.519	ppbv	97
3) Chlorodifluoromethane	1.470	51	14848	0.529	ppbv	96
4) Chloromethane	1.528	50	5542	0.523	ppbv	91
5) Vinyl Chloride	1.573	62	5205	0.518	ppbv	99
6) Bromomethane	1.660	94	2235	0.495	ppbv	87
7) Chloroethane	1.696	64	2228	0.531	ppbv	94
8) Dichlorotetrafluoroethane	1.547	85	12294	0.517	ppbv	99
9) Propene	1.479	41	5652	0.500	ppbv	95
10) Heptane	4.959	43	3755	0.135	ppbv #	27
11) Trichlorofluoromethane	1.871	101	15230	0.511	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.130	101	12463	0.531	ppbv	99
13) Ethanol	1.716	45	729	0.509	ppbv #	31
14) Bromoethene	1.774	108	4364	0.519	ppbv #	91
15) Acetone	1.829	43	14360	0.596	ppbv	100
16) 1,3-Butadiene	1.602	39	5235	0.527	ppbv	97
17) tert-Butyl alcohol	2.033	59	14304	0.561	ppbv	96
18) 1,1-Dichloroethene	2.026	96	5223	0.508	ppbv	93
19) Isopropyl Alcohol	1.877	45	6611	0.573	ppbv #	32
20) Methylene Chloride	2.052	84	6961	0.662	ppbv	92
21) Allyl Chloride	2.088	41	8450	0.547	ppbv	97
22) trans-1,2-Dichloroethene	2.327	96	6223	0.533	ppbv	89
23) Vinyl Acetate	2.447	43	3334	0.652	ppbv #	82
24) 1,1-Dichloroethane	2.398	63	11586	0.523	ppbv	99
25) Ethyl Acetate	2.822	43	28090	0.465	ppbv	98
26) Hexane	2.813	57	10845	0.466	ppbv	92
27) Carbon Disulfide	2.140	76	14458	0.527	ppbv #	36
28) Methyl tert-Butyl Ether	2.431	73	7340	0.505	ppbv	94
29) Chloroform	2.835	83	20586	0.519	ppbv	97
30) Cyclohexane	3.839	84	8149	0.427	ppbv	93
31) cis-1,2-Dichloroethene	2.706	61	11430	0.478	ppbv	95
32) 1,1,1-Trichloroethane	3.350	97	18962	0.492	ppbv	97
34) 2-Butanone	2.547	43	17736	0.519	ppbv	100
35) Carbon Tetrachloride	3.742	117	20564	0.496	ppbv	93
36) Benzene	3.638	78	22717	0.472	ppbv	93
37) 1,2-Dichloroethane	3.204	62	14711	0.516	ppbv	98
38) Trichloroethene	4.515	130	4630	0.231	ppbv	88
39) 1,2-Dichloropropane	4.289	63	9070	0.508	ppbv #	86
40) 1,4-Dioxane	4.570	88	3358	0.438	ppbv #	64
41) Tetrahydrofuran	3.046	42	7477	0.423	ppbv	95
42) Bromodichloromethane	4.463	83	20614	0.512	ppbv #	97
43) Methyl Methacrylate	4.852	69	7092	0.444	ppbv	91
44) 2,2,4-Trimethylpentane	4.616	57	34977	0.453	ppbv	96
45) t-1,3-Dichloropropene	6.376	75	6392	0.441	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

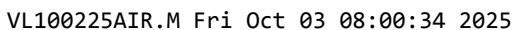
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 ClientSampleId :
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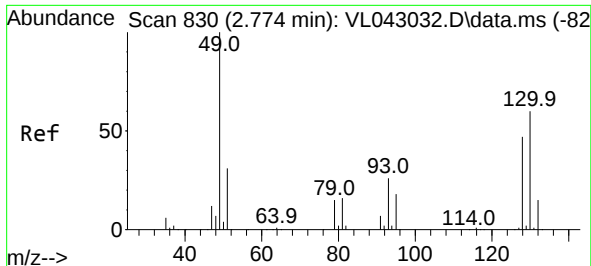
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 07:59:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.570	75	4709	0.229	ppbv	96
47) 1,1,2-Trichloroethane	6.551	97	10438	0.526	ppbv	91
48) Dibromochloromethane	7.357	129	15360	0.474	ppbv	94
49) Bromoform	9.461	173	12398	0.458	ppbv	95
50) 4-Methyl-2-Pentanone	5.726	43	18115	0.434	ppbv	100
51) 2-Hexanone	7.418	43	8022	0.271	ppbv #	76
52) Tetrachloroethene	8.205	164	8537	0.476	ppbv	94
53) Toluene	6.904	91	12761	0.262	ppbv #	57
54) 1,2-Dibromoethane	7.626	107	11279	0.479	ppbv	89
56) 1,1,1,2-Tetrachloroethane	8.901	131	13091	0.517	ppbv #	1
57) Chlorobenzene	8.898	112	22573	0.514	ppbv	95
58) Ethyl Benzene	9.335	91	25575	0.398	ppbv	96
59) m/p-Xylene	9.529	91	22410	0.413	ppbv #	36
60) o-Xylene	9.943	91	21166	0.392	ppbv	97
61) Styrene	9.849	104	8258	0.365	ppbv	98
62) Isopropylbenzene	10.522	105	34761	0.419	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.943	83	19066	0.490	ppbv	99
64) n-propylbenzene	10.972	120	7963	0.375	ppbv	87
65) tert-Butylbenzene	11.516	119	28729	0.389	ppbv	97
66) Benzyl Chloride	11.600	91	1321	0.462	ppbv #	92
67) sec-Butylbenzene	11.752	105	39676	0.385	ppbv	98
69) p-Isopropyltoluene	11.911	119	31118	0.371	ppbv	98
70) n-Butylbenzene	12.267	91	28253	0.350	ppbv	95
71) 2-Chlorotoluene	10.885	91	24004	0.400	ppbv	98
72) 4-Ethyltoluene	11.108	105	23762	0.369	ppbv #	96
73) 1,3,5-Trimethylbenzene	11.186	105	21617	0.389	ppbv	98
74) 1,2,4-Trimethylbenzene	11.523	105	23511	0.374	ppbv	88
75) 1,3-Dichlorobenzene	11.590	146	19346	0.474	ppbv	99
76) 1,4-Dichlorobenzene	11.655	146	17115	0.440	ppbv	98
77) 1,2-Dichlorobenzene	11.934	146	19742	0.485	ppbv	99
78) Hexachloro-1,3-Butadiene	13.866	225	14174	0.500	ppbv	99
79) Naphthalene	13.500	128	12682	0.479	ppbv #	96
80) Naphthalene,2-methyl-	14.442	142	13384	1.165	ppbv	95
81) 1,2,4-Trichlorobenzene	13.426	180	7952	0.329	ppbv	99

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

Quant Time: Oct 03 08:00:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
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QLast Update : Fri Oct 03 07:59:23 2025
Response via : Initial Calibration

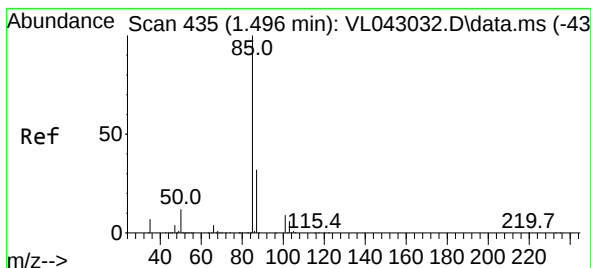
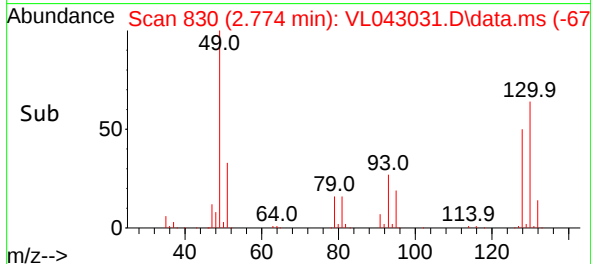
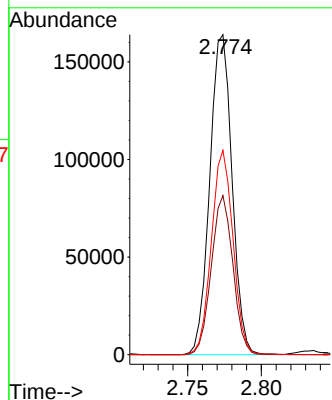
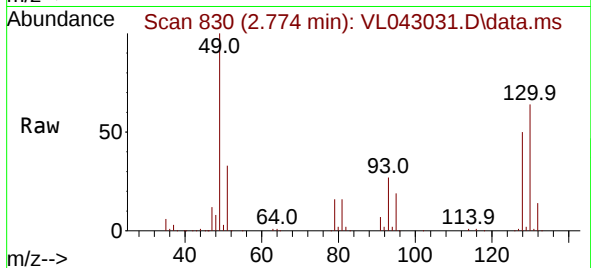




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.774 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

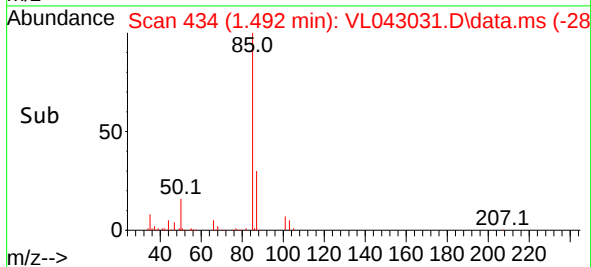
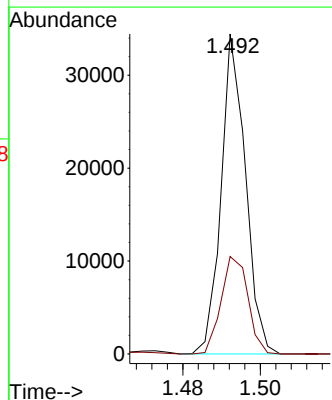
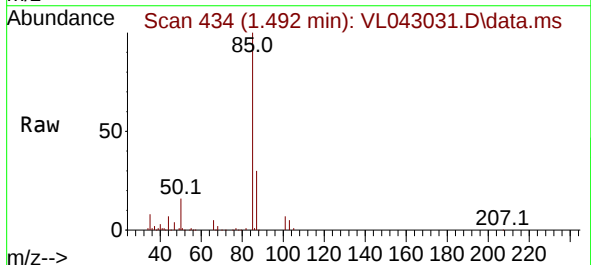
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MSVOA_L
ClientSampleId :
VSTDIC0.5

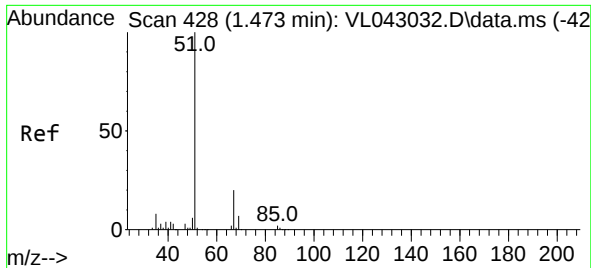
Tgt Ion: 49 Resp: 172062
Ion Ratio Lower Upper
49 100
128 48.2 24.1 72.2
130 61.9 31.4 94.3



#2
Dichlorodifluoromethane
Concen: 0.519 ppbv
RT: 1.492 min Scan# 434
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Tgt Ion: 85 Resp: 15037
Ion Ratio Lower Upper
85 100
87 30.5 25.8 38.6

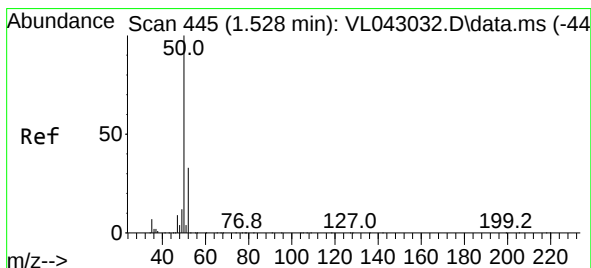
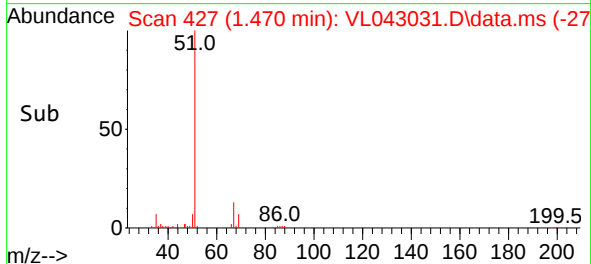
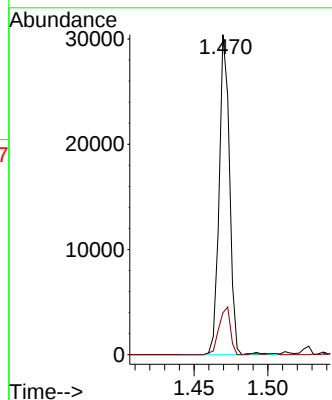
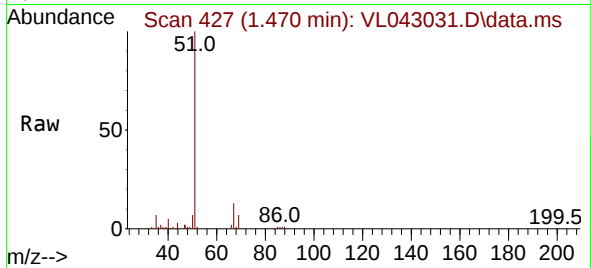




#3
Chlorodifluoromethane
Concen: 0.529 ppbv
RT: 1.470 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

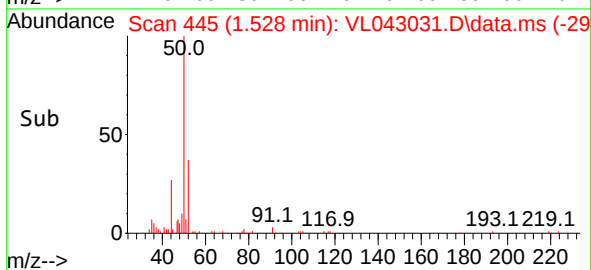
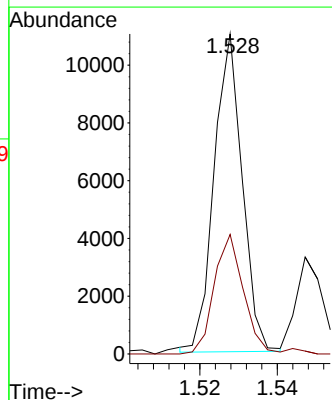
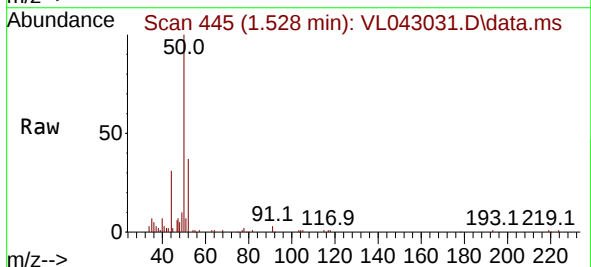
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MSVOA_L
ClientSampleId :
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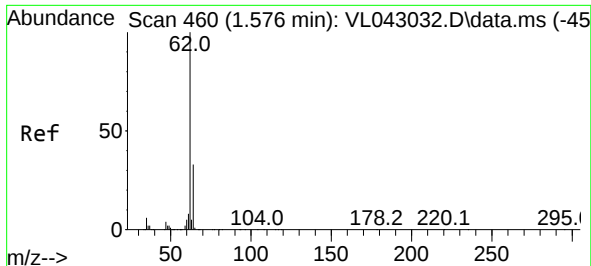
Tgt Ion: 51 Resp: 14848
Ion Ratio Lower Upper
51 100
67 16.9 15.1 22.7



#4
Chloromethane
Concen: 0.523 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Tgt Ion: 50 Resp: 5542
Ion Ratio Lower Upper
50 100
52 38.0 26.2 39.2

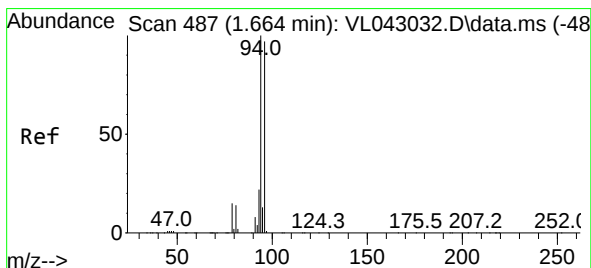
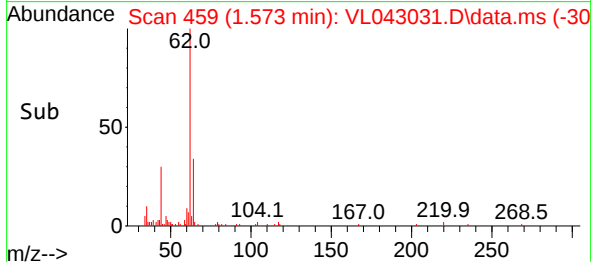
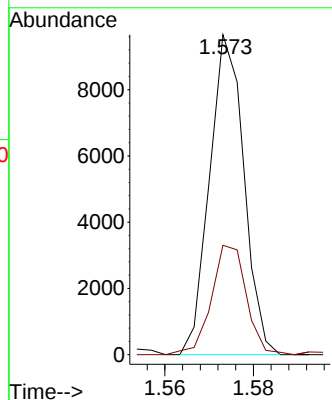
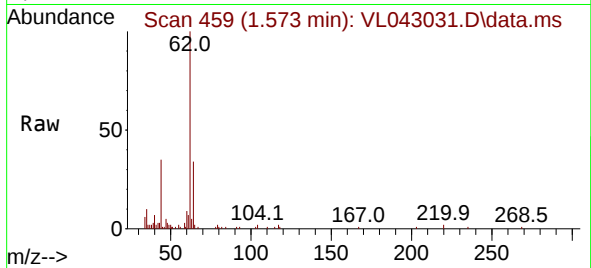




#5
 Vinyl Chloride
 Concen: 0.518 ppbv
 RT: 1.573 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL043031.D
 Acq: 02 Oct 2025 09:50

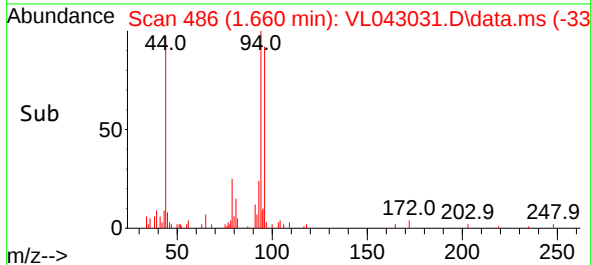
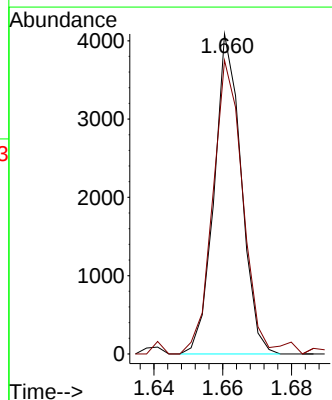
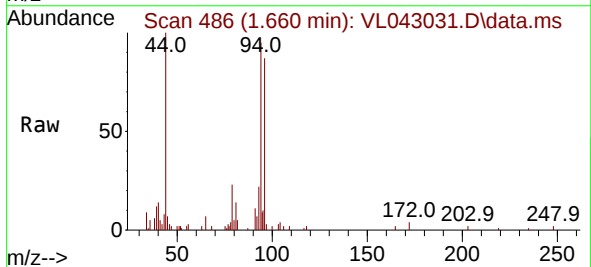
Instrument :
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 ClientSampleId :
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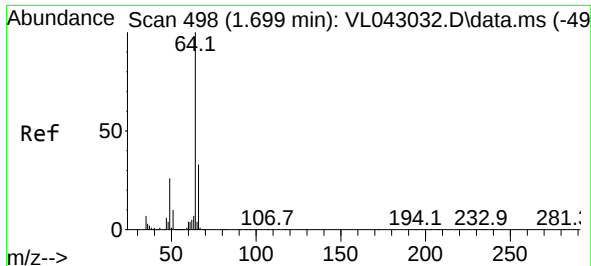
Tgt Ion: 62 Resp: 5205
 Ion Ratio Lower Upper
 62 100
 64 33.4 26.2 39.2



#6
 Bromomethane
 Concen: 0.495 ppbv
 RT: 1.660 min Scan# 486
 Delta R.T. -0.003 min
 Lab File: VL043031.D
 Acq: 02 Oct 2025 09:50

Tgt Ion: 94 Resp: 2235
 Ion Ratio Lower Upper
 94 100
 96 83.9 77.6 116.4

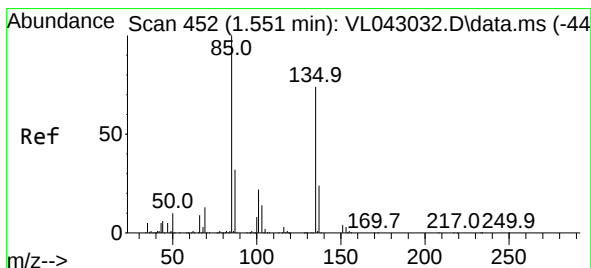
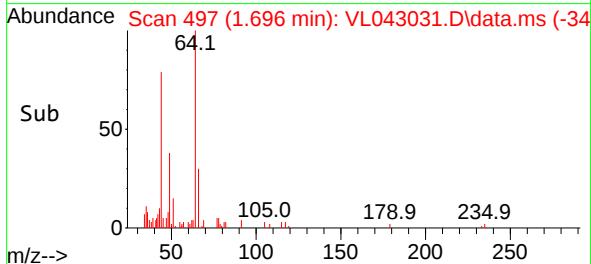
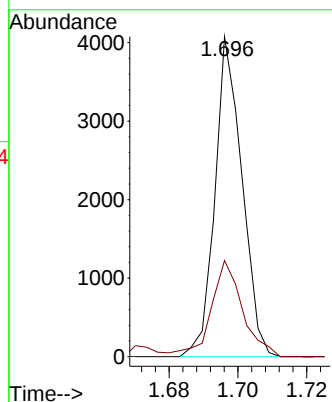
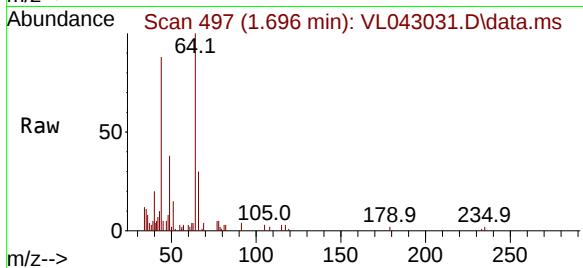




#7
Chloroethane
Concen: 0.531 ppbv
RT: 1.696 min Scan# 497
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

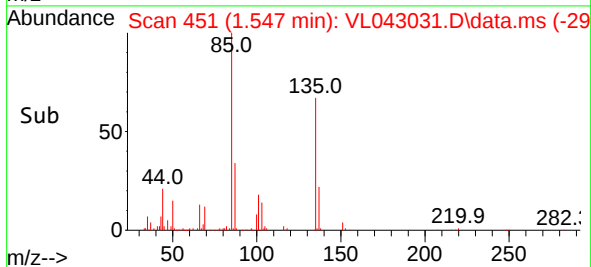
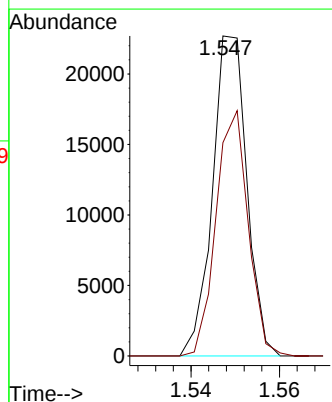
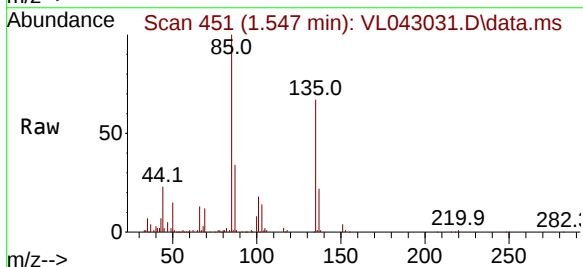
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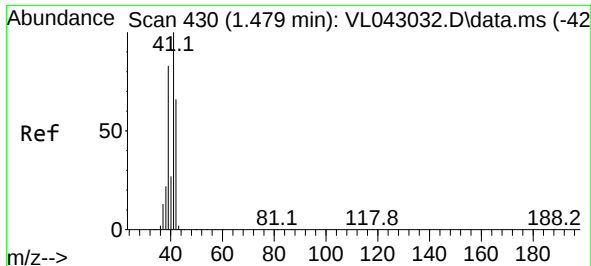
Tgt Ion: 64 Resp: 2228
Ion Ratio Lower Upper
64 100
66 30.1 26.6 39.8



#8
Dichlorotetrafluoroethane
Concen: 0.517 ppbv
RT: 1.547 min Scan# 451
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Tgt Ion: 85 Resp: 12294
Ion Ratio Lower Upper
85 100
135 71.5 56.3 84.5





#9

Propene

Concen: 0.500 ppbv

RT: 1.479 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

Instrument :

MSVOA_L

ClientSampleId :

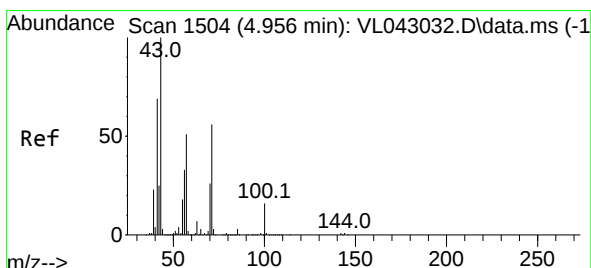
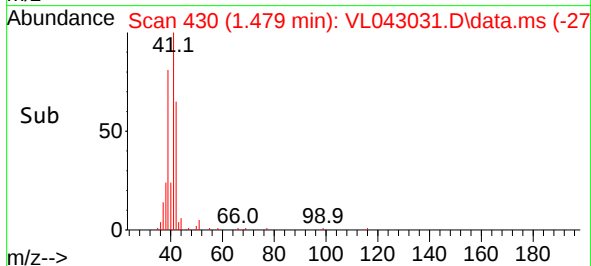
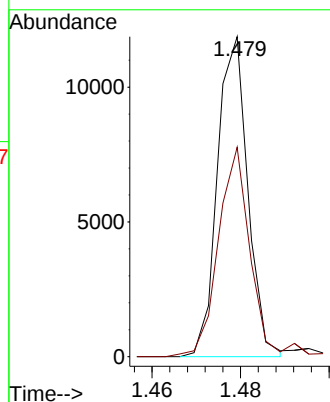
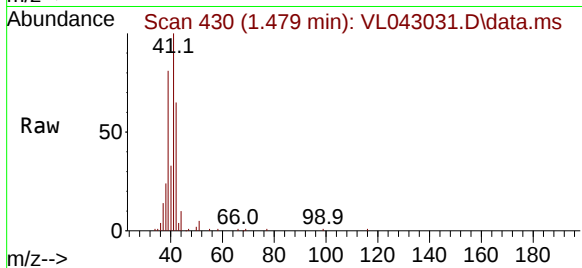
VSTDIC0.5

Tgt Ion: 41 Resp: 5652

Ion Ratio Lower Upper

41 100

42 70.9 53.3 79.9



#10

Heptane

Concen: 0.135 ppbv

RT: 4.959 min Scan# 1505

Delta R.T. 0.003 min

Lab File: VL043031.D

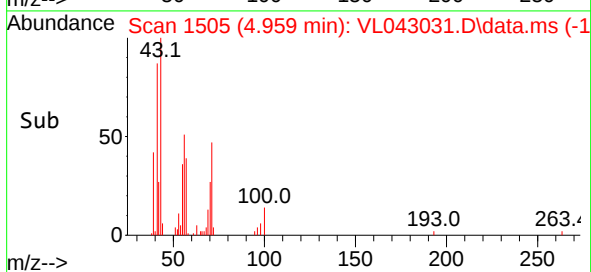
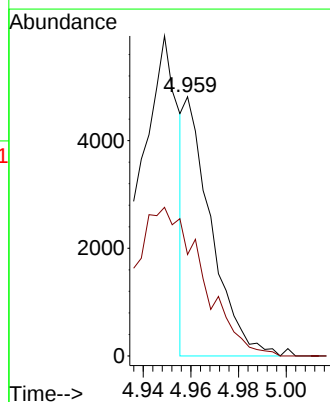
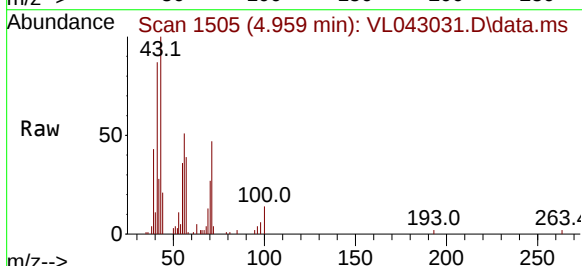
Acq: 02 Oct 2025 09:50

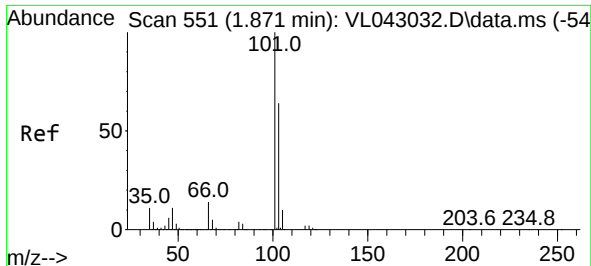
Tgt Ion: 43 Resp: 3755

Ion Ratio Lower Upper

43 100

57 0.0 40.3 60.5#

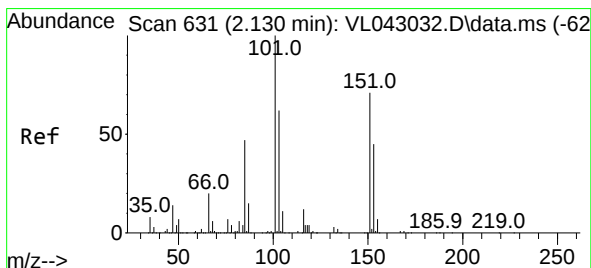
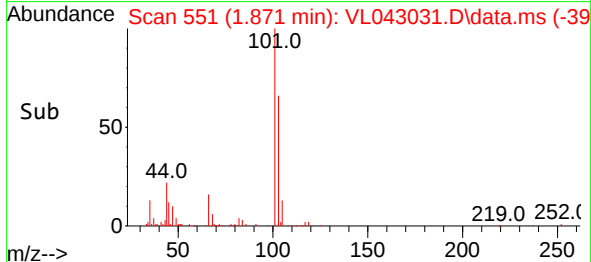
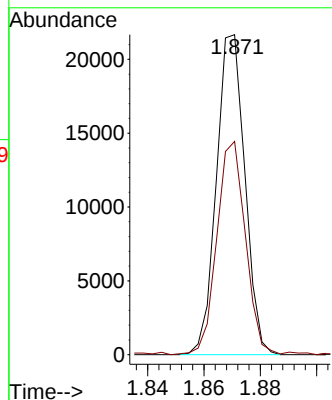
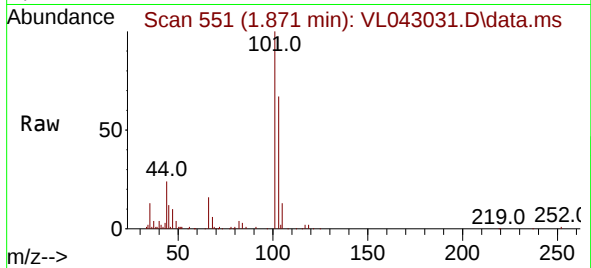




#11
 Trichlorofluoromethane
 Concen: 0.511 ppbv
 RT: 1.871 min Scan# 551
 Delta R.T. -0.000 min
 Lab File: VL043031.D
 Acq: 02 Oct 2025 09:50

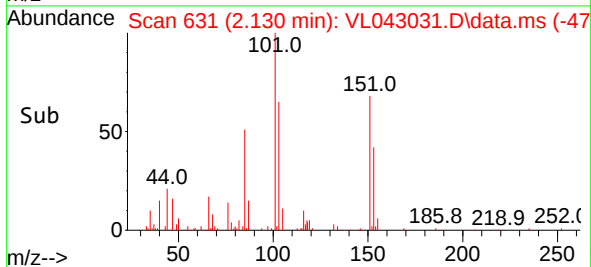
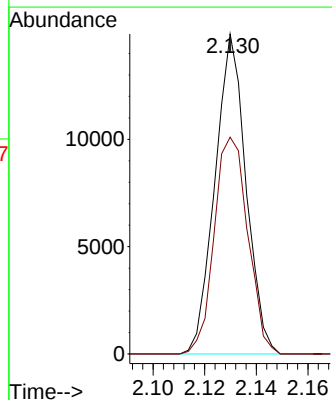
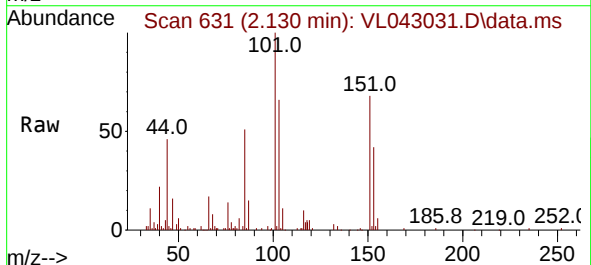
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

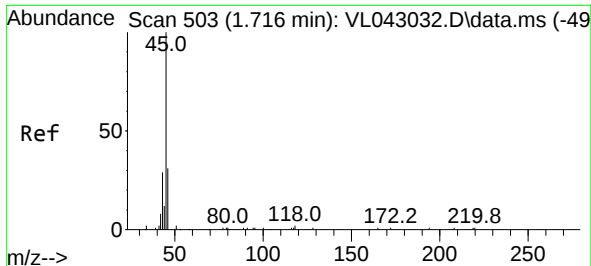
Tgt Ion:101 Resp: 15230
 Ion Ratio Lower Upper
 101 100
 103 66.4 51.1 76.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.531 ppbv
 RT: 2.130 min Scan# 631
 Delta R.T. -0.000 min
 Lab File: VL043031.D
 Acq: 02 Oct 2025 09:50

Tgt Ion:101 Resp: 12463
 Ion Ratio Lower Upper
 101 100
 151 73.3 58.1 87.1

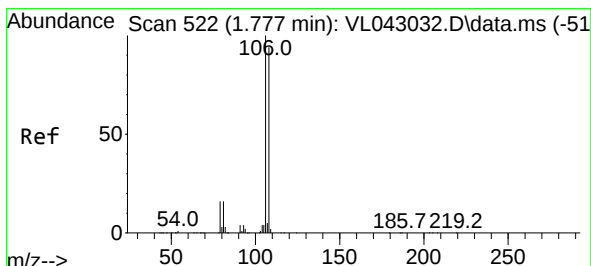
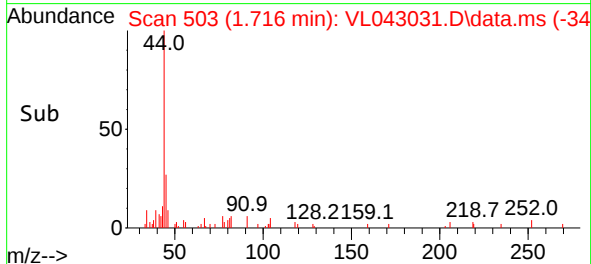
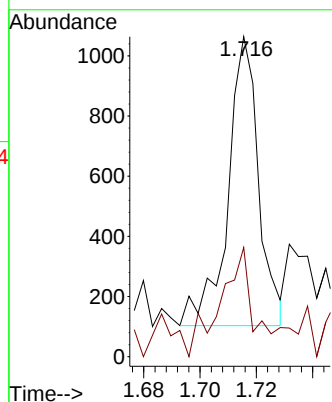
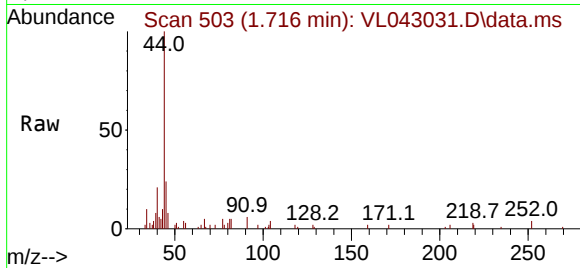




#13
Ethanol
Concen: 0.509 ppbv
RT: 1.716 min Scan# 503
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

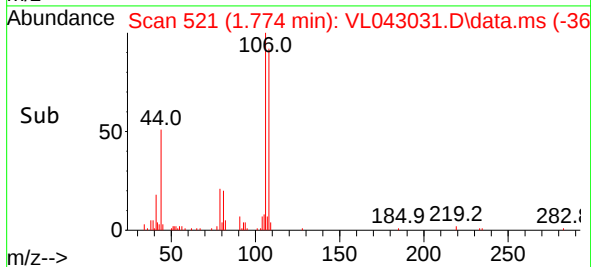
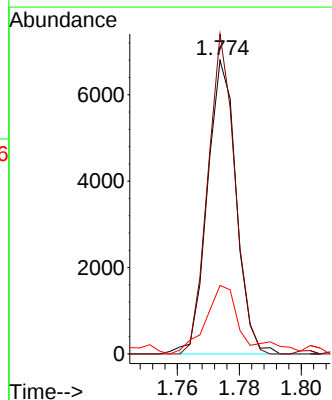
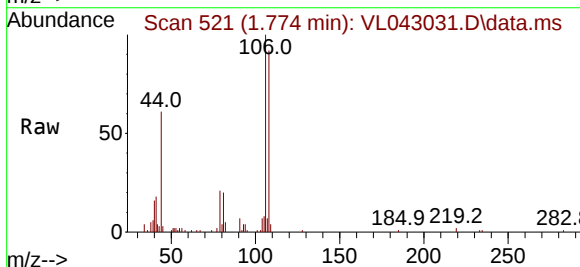
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

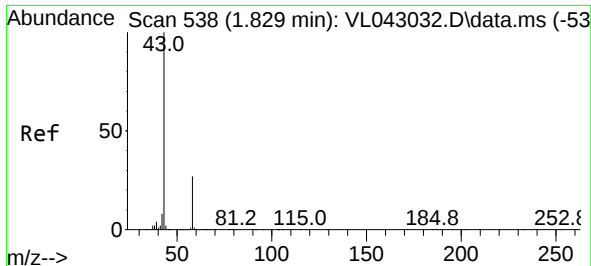
Tgt Ion: 45 Resp: 729
Ion Ratio Lower Upper
45 100
46 0.0 17.8 71.4#



#14
Bromoethene
Concen: 0.519 ppbv
RT: 1.774 min Scan# 521
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Tgt Ion: 108 Resp: 4364
Ion Ratio Lower Upper
108 100
106 103.7 85.2 127.8
79 38.0 14.8 22.2#

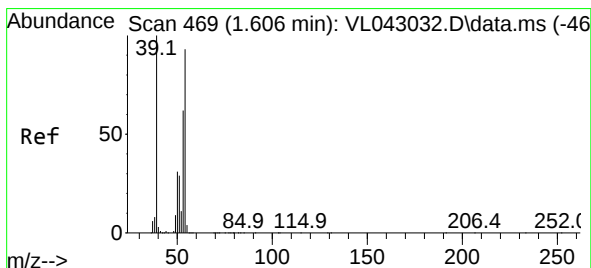
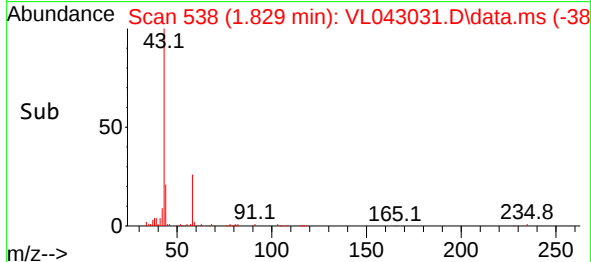
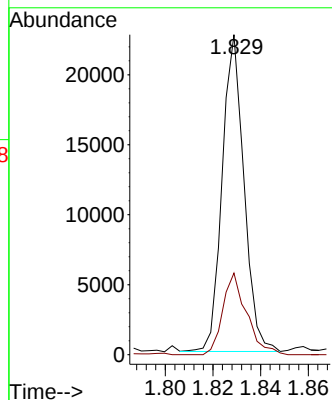
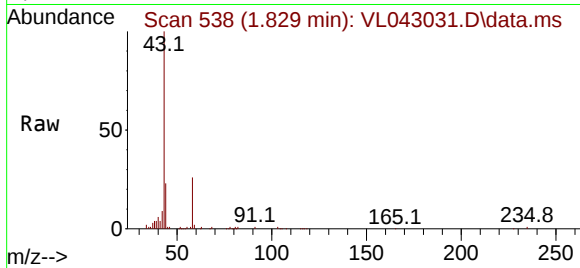




#15
Acetone
Concen: 0.596 ppbv
RT: 1.829 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

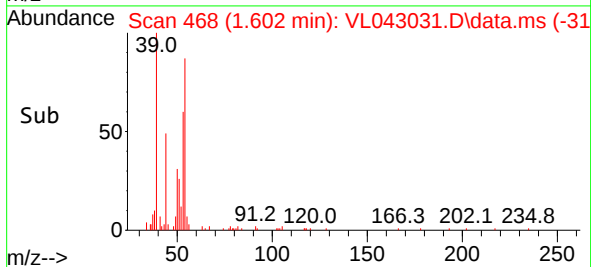
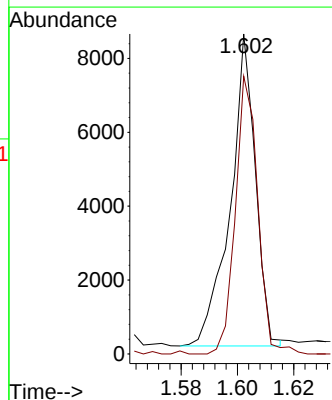
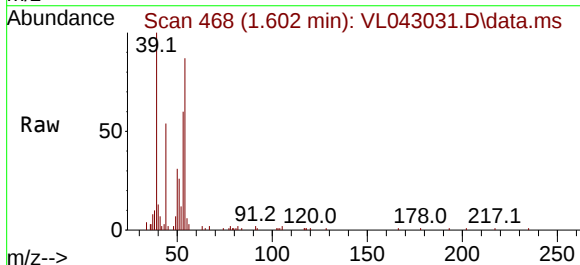
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

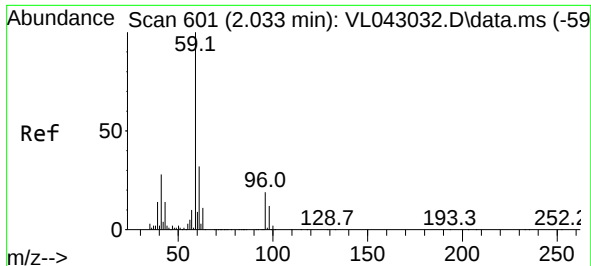
Tgt Ion: 43 Resp: 14360
Ion Ratio Lower Upper
43 100
58 28.0 22.2 33.4



#16
1,3-Butadiene
Concen: 0.527 ppbv
RT: 1.602 min Scan# 468
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Tgt Ion: 39 Resp: 5235
Ion Ratio Lower Upper
39 100
54 79.2 61.4 92.2





#17

tert-Butyl alcohol

Concen: 0.561 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.000 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

Instrument :

MSVOA_L

ClientSampleId :

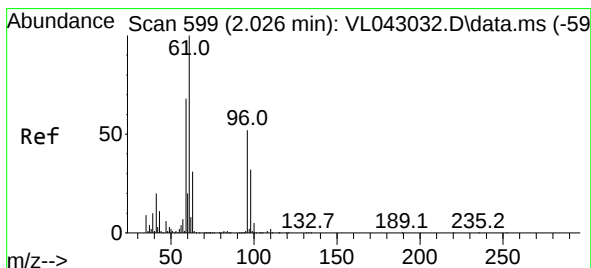
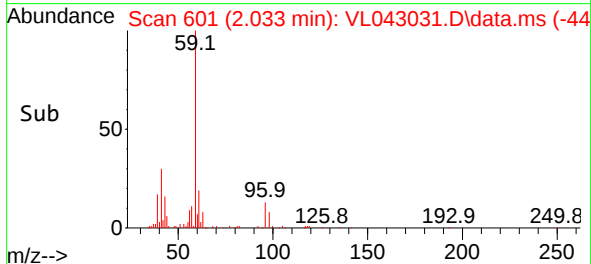
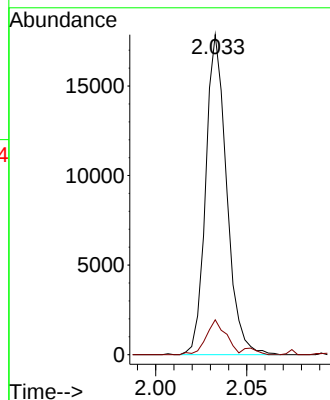
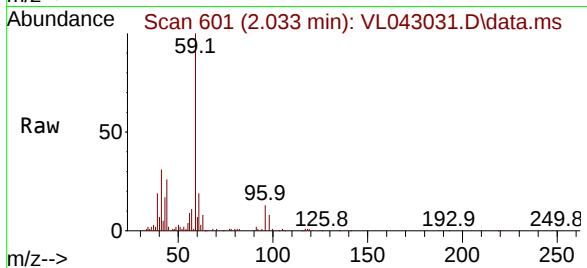
VSTDIC0.5

Tgt Ion: 59 Resp: 14304

Ion Ratio Lower Upper

59 100

57 12.1 8.5 12.7



#18

1,1-Dichloroethene

Concen: 0.508 ppbv

RT: 2.026 min Scan# 599

Delta R.T. -0.000 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

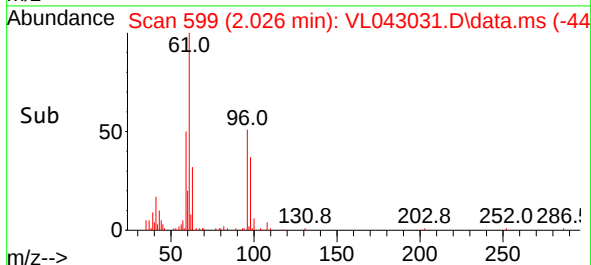
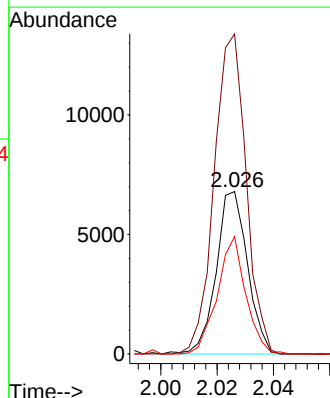
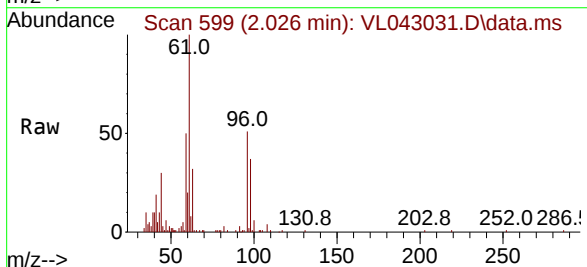
Tgt Ion: 96 Resp: 5223

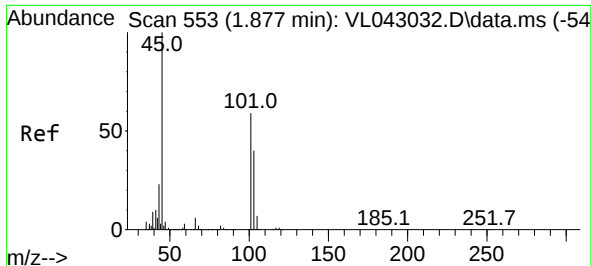
Ion Ratio Lower Upper

96 100

61 197.1 153.0 229.6

98 72.2 48.8 73.2

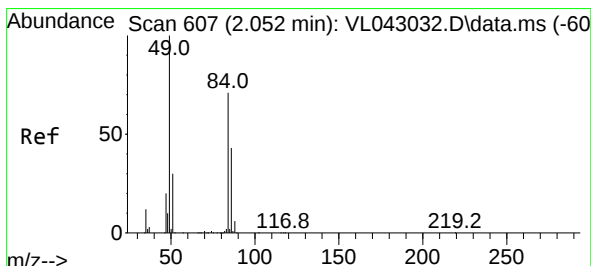
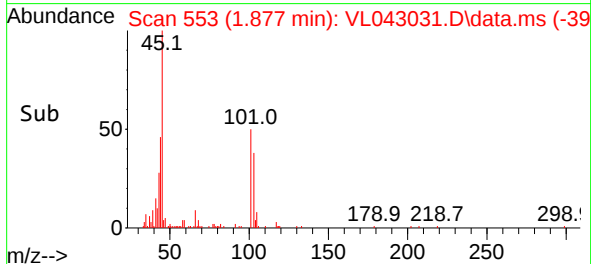
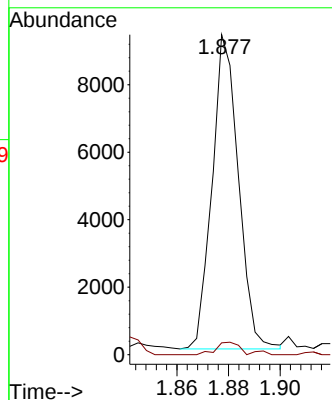
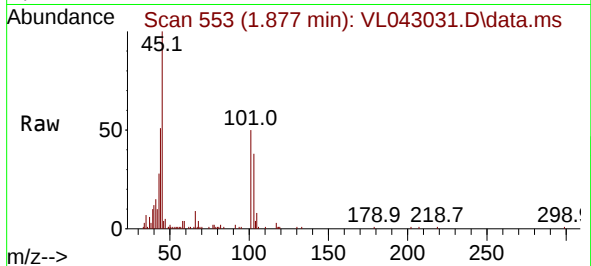




#19
Isopropyl Alcohol
Concen: 0.573 ppbv
RT: 1.877 min Scan# 553
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

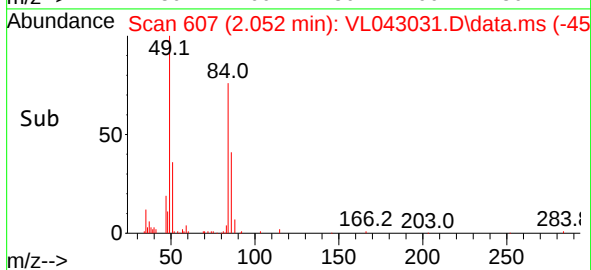
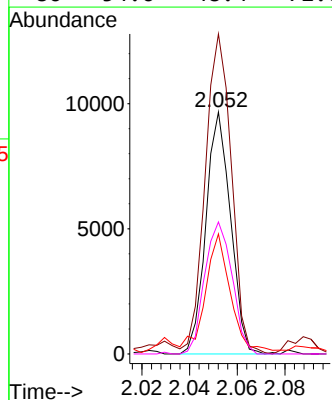
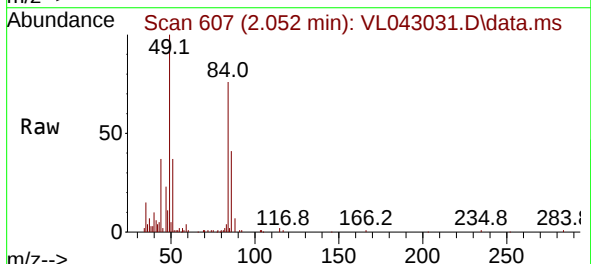
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

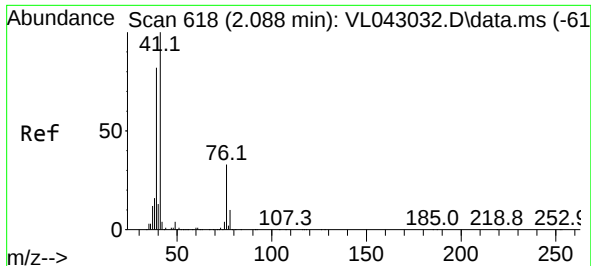
Tgt Ion: 45 Resp: 6611
Ion Ratio Lower Upper
45 100
58 4.4 42.3 63.5#



#20
Methylene Chloride
Concen: 0.662 ppbv
RT: 2.052 min Scan# 607
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Tgt Ion: 84 Resp: 6961
Ion Ratio Lower Upper
84 100
49 130.1 112.5 168.7
51 48.0 34.2 51.2
86 54.6 48.4 72.6

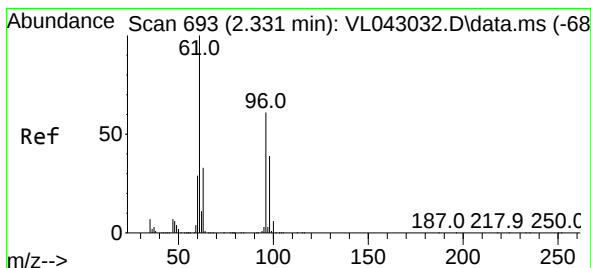
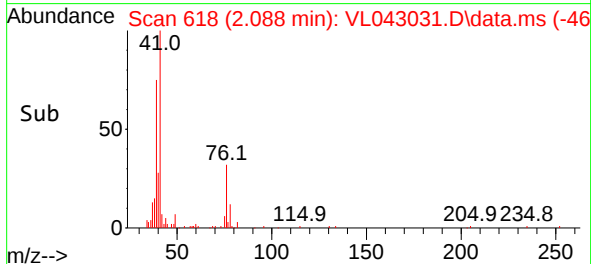
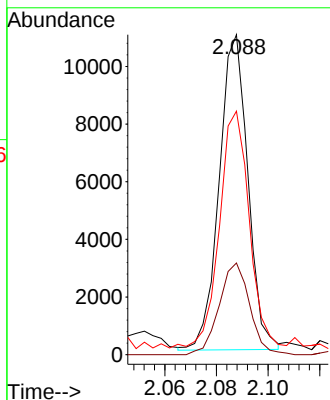
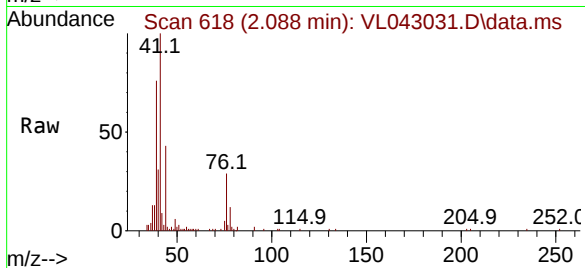




#21
 Allyl Chloride
 Concen: 0.547 ppbv
 RT: 2.088 min Scan# 618
 Delta R.T. -0.000 min
 Lab File: VL043031.D
 Acq: 02 Oct 2025 09:50

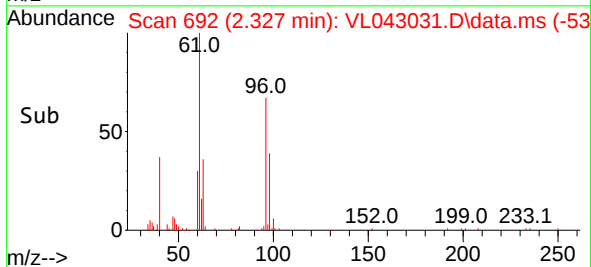
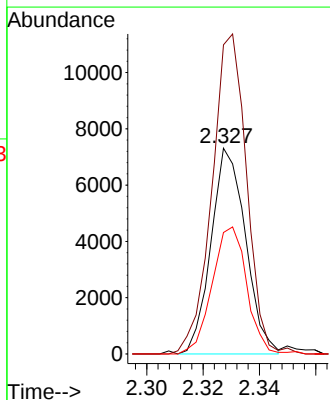
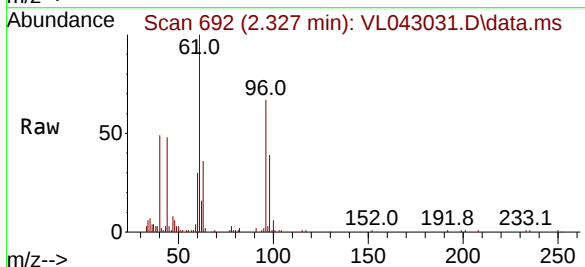
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

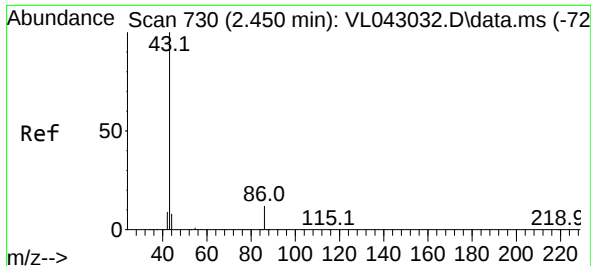
Tgt Ion:	41	Resp:	8450
Ion	Ratio	Lower	Upper
41	100		
76	30.9	25.9	38.9
39	81.3	63.0	94.4



#22
 trans-1,2-Dichloroethene
 Concen: 0.533 ppbv
 RT: 2.327 min Scan# 692
 Delta R.T. -0.003 min
 Lab File: VL043031.D
 Acq: 02 Oct 2025 09:50

Tgt Ion:	96	Resp:	6223
Ion	Ratio	Lower	Upper
96	100		
61	148.6	131.9	197.9
98	59.0	52.1	78.1

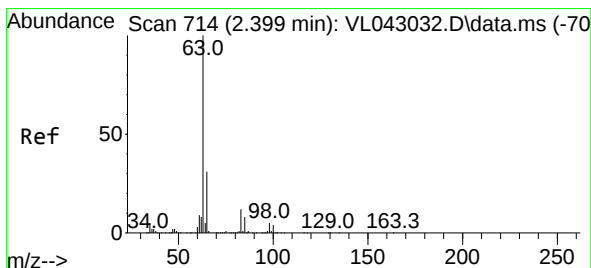
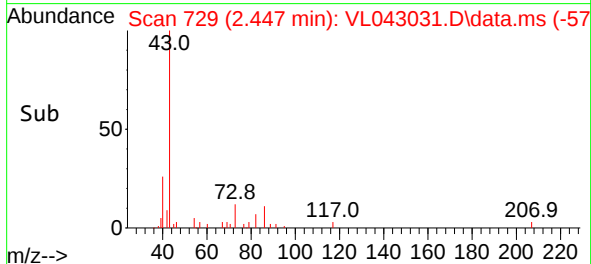
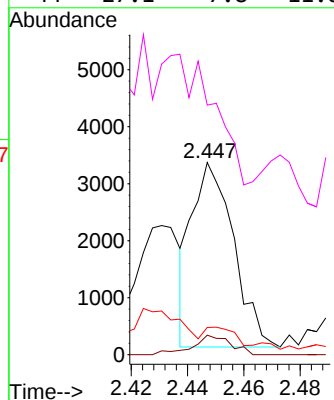
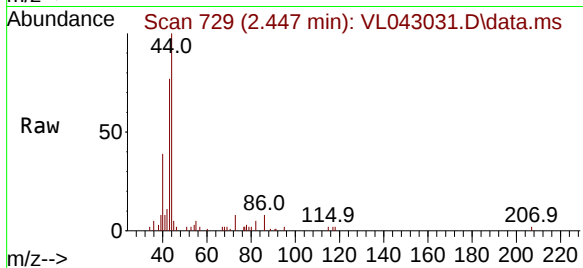




#23
 Vinyl Acetate
 Concen: 0.652 ppbv
 RT: 2.447 min Scan# 714
 Delta R.T. -0.003 min
 Lab File: VL043031.D
 Acq: 02 Oct 2025 09:50

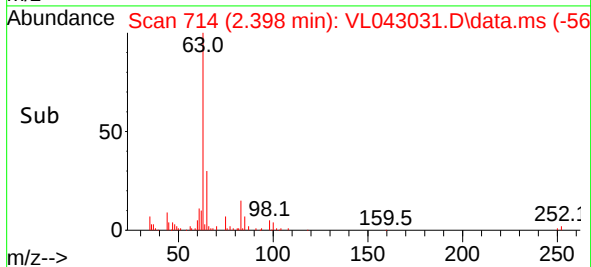
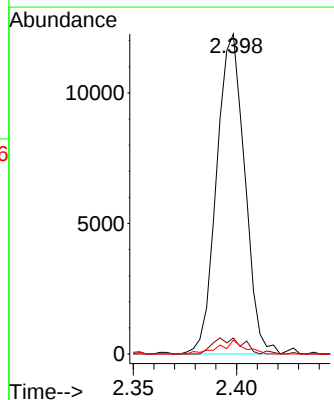
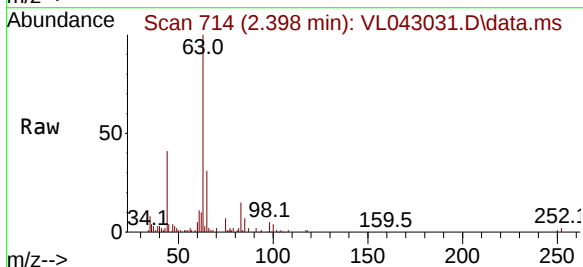
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

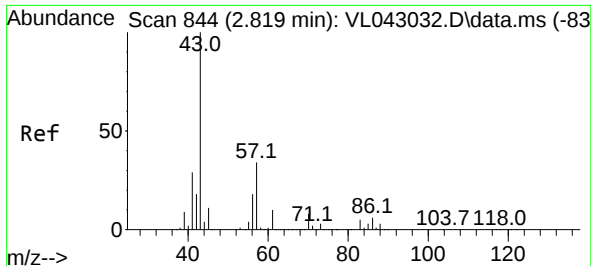
Tgt Ion: 43	Resp: 3334
Ion Ratio	Lower Upper
43 100	
86 10.6	7.5 11.3
42 11.8	8.4 12.6
44 27.1	7.8 11.8#



#24
 1,1-Dichloroethane
 Concen: 0.523 ppbv
 RT: 2.398 min Scan# 714
 Delta R.T. -0.000 min
 Lab File: VL043031.D
 Acq: 02 Oct 2025 09:50

Tgt Ion: 63	Resp: 11586
Ion Ratio	Lower Upper
63 100	
98 5.0	2.5 7.4
100 4.4	1.8 5.4

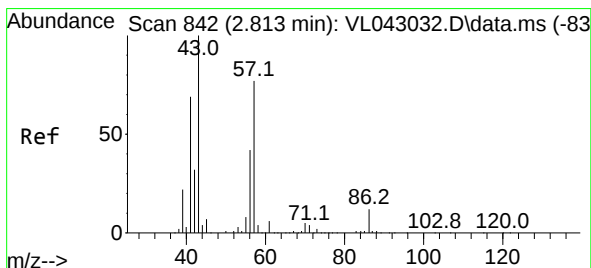
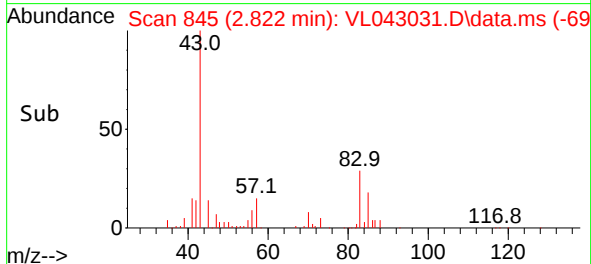
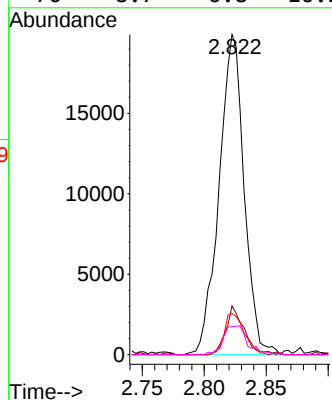
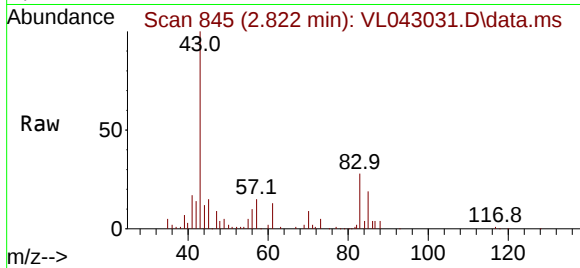




#25
Ethyl Acetate
Concen: 0.465 ppbv
RT: 2.822 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

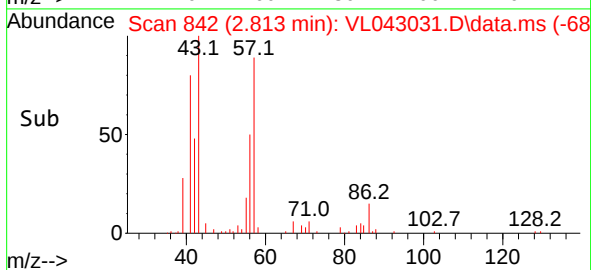
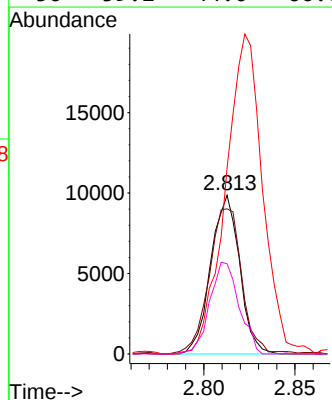
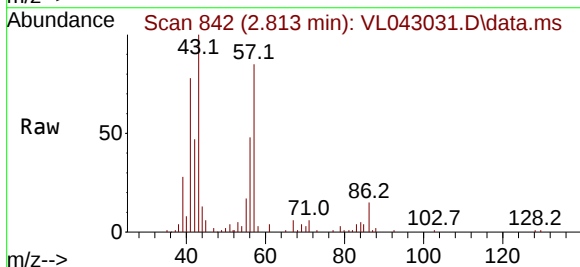
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

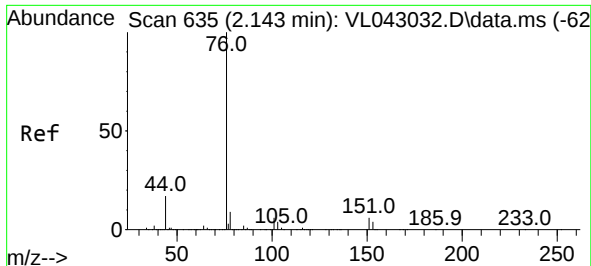
Tgt Ion:	43	Resp:	28090
Ion	Ratio	Lower	Upper
43	100		
45	11.3	8.3	12.5
61	10.4	7.5	11.3
70	8.7	6.8	10.2



#26
Hexane
Concen: 0.466 ppbv
RT: 2.813 min Scan# 842
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Tgt Ion:	57	Resp:	10845
Ion	Ratio	Lower	Upper
57	100		
41	105.2	76.1	114.1
43	263.7	201.4	302.0
56	59.2	44.0	66.0





#27

Carbon Disulfide

Concen: 0.527 ppbv

RT: 2.140 min Scan# 61

Delta R.T. -0.003 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

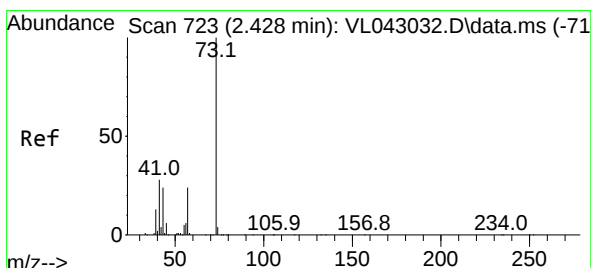
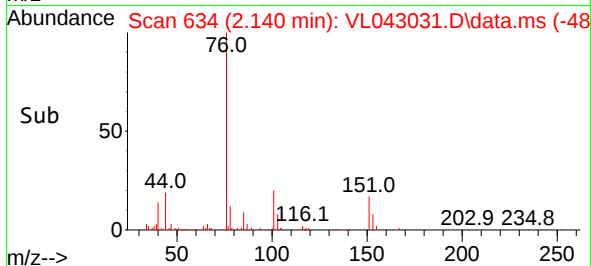
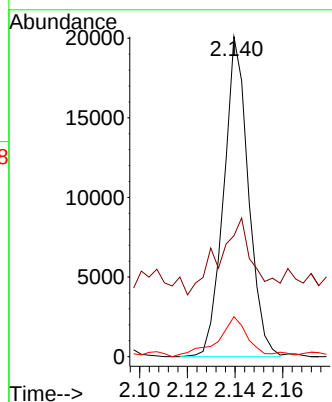
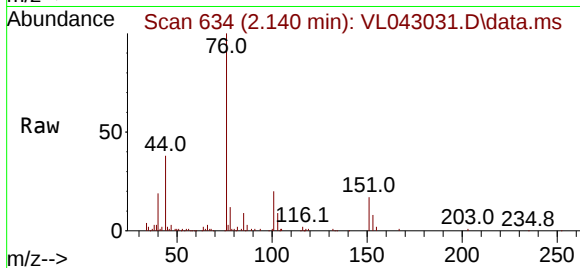
Tgt Ion: 76 Resp: 14458

Ion Ratio Lower Upper

76 100

44 61.3 14.0 21.0#

78 16.0 9.4 14.0#



#28

Methyl tert-Butyl Ether

Concen: 0.505 ppbv

RT: 2.431 min Scan# 724

Delta R.T. 0.003 min

Lab File: VL043031.D

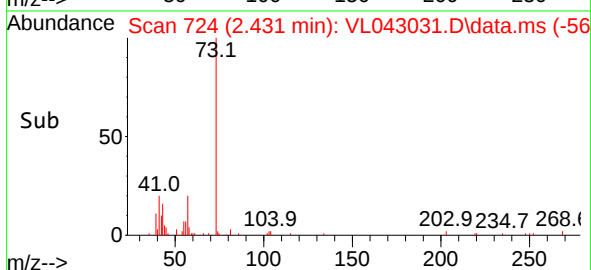
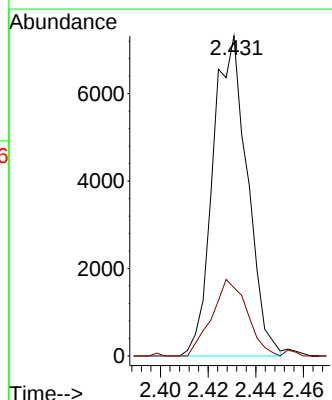
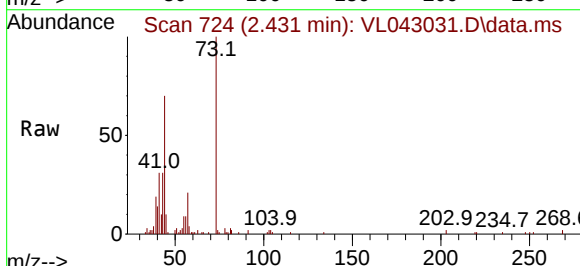
Acq: 02 Oct 2025 09:50

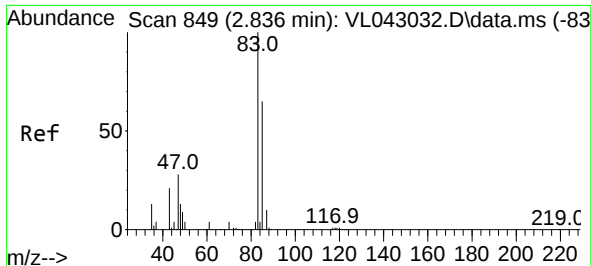
Tgt Ion: 73 Resp: 7340

Ion Ratio Lower Upper

73 100

57 25.1 17.8 26.8





#29

Chloroform

Concen: 0.519 ppbv

RT: 2.835 min Scan# 84

Delta R.T. -0.000 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

Instrument :

MSVOA_L

ClientSampleId :

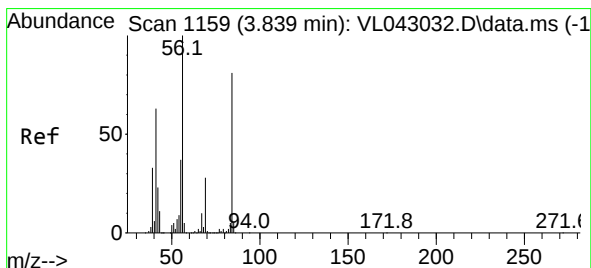
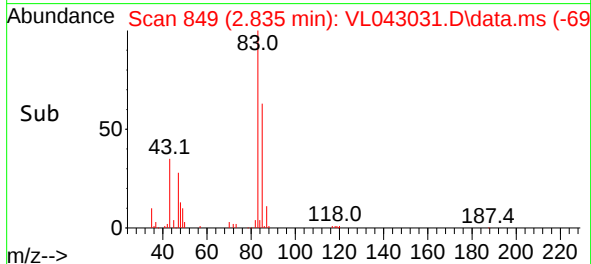
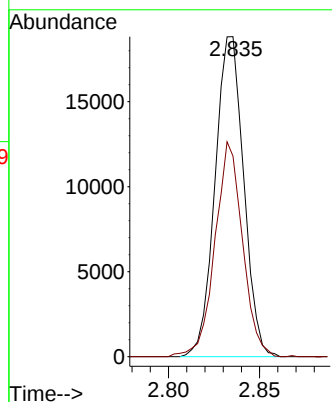
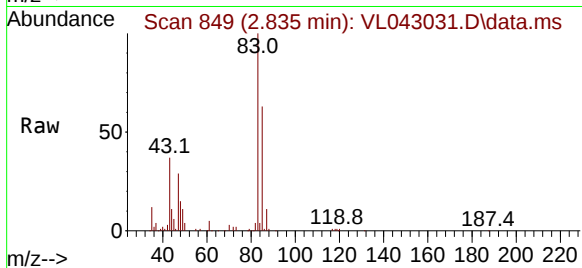
VSTDIC0.5

Tgt Ion: 83 Resp: 20586

Ion Ratio Lower Upper

83 100

85 62.7 52.0 78.0



#30

Cyclohexane

Concen: 0.427 ppbv

RT: 3.839 min Scan# 1159

Delta R.T. -0.000 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

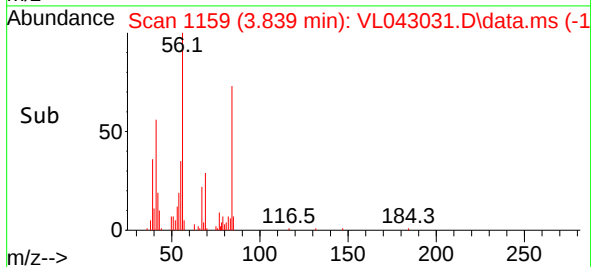
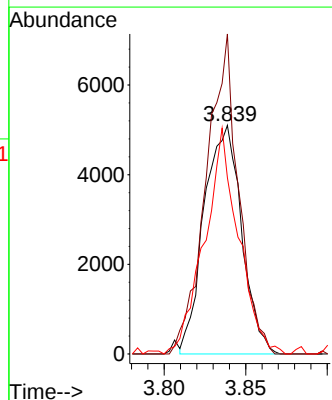
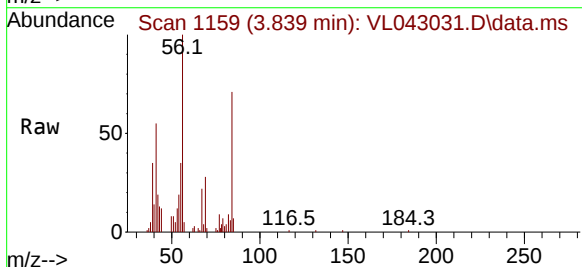
Tgt Ion: 84 Resp: 8149

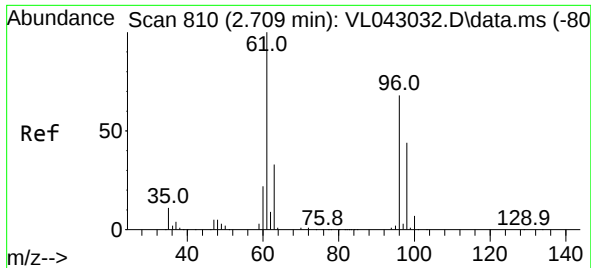
Ion Ratio Lower Upper

84 100

56 120.4 99.9 149.9

41 90.3 64.2 96.4

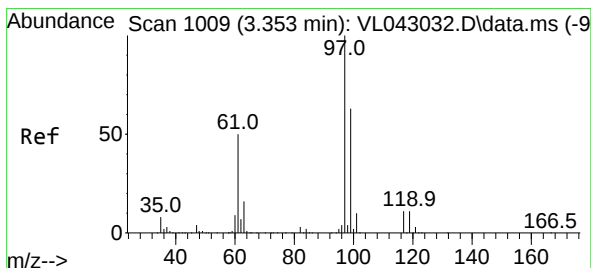
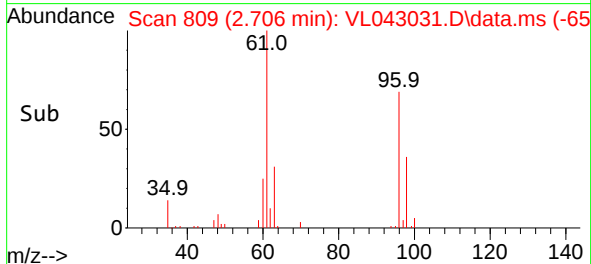
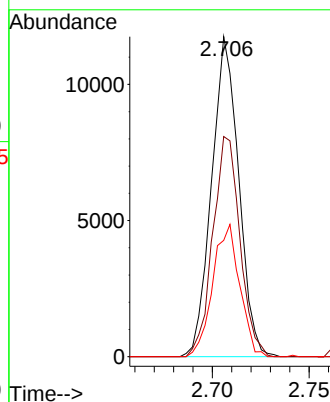
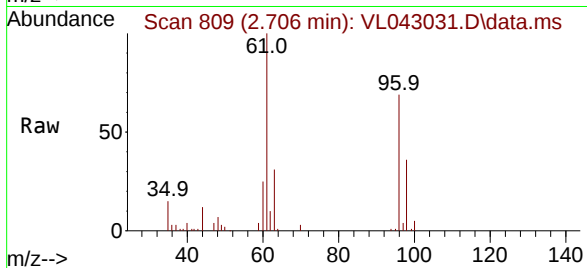




#31
 cis-1,2-Dichloroethene
 Concen: 0.478 ppbv
 RT: 2.706 min Scan# 810
 Delta R.T. -0.003 min
 Lab File: VL043031.D
 Acq: 02 Oct 2025 09:50

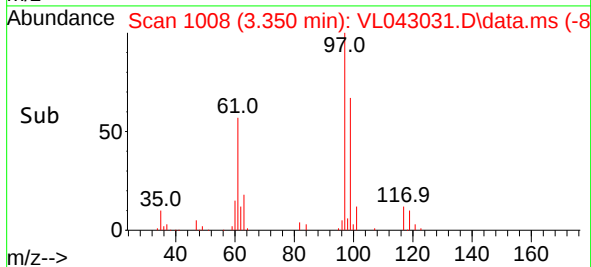
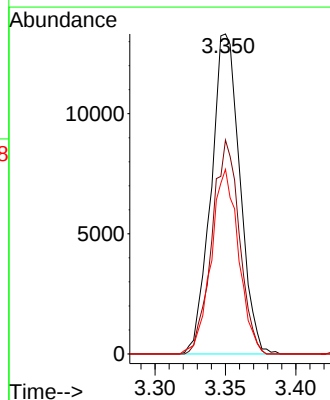
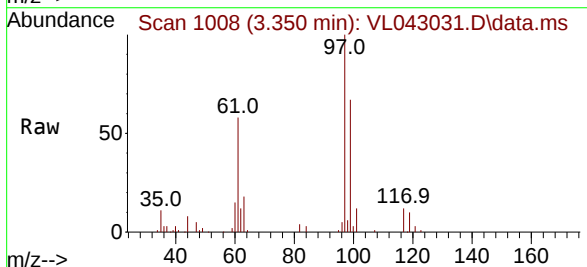
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

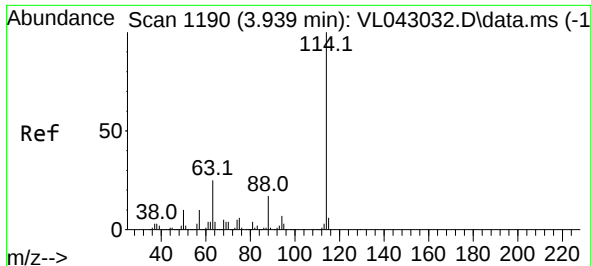
Tgt Ion: 61 Resp: 11430
 Ion Ratio Lower Upper
 61 100
 96 68.8 54.6 82.0
 98 36.3 34.8 52.2



#32
 1,1,1-Trichloroethane
 Concen: 0.492 ppbv
 RT: 3.350 min Scan# 1008
 Delta R.T. -0.003 min
 Lab File: VL043031.D
 Acq: 02 Oct 2025 09:50

Tgt Ion: 97 Resp: 18962
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.2 76.8
 61 54.8 40.1 60.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.936 min Scan# 1190

Delta R.T. -0.003 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.5

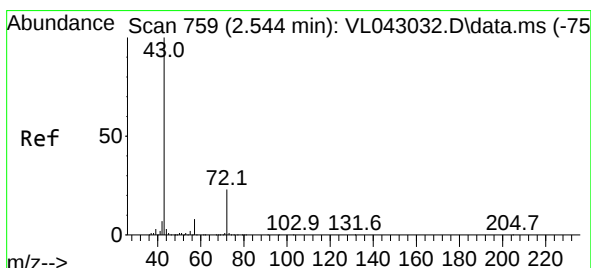
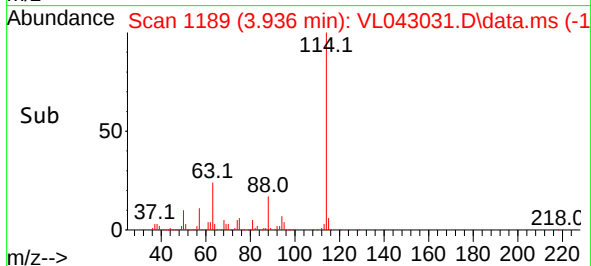
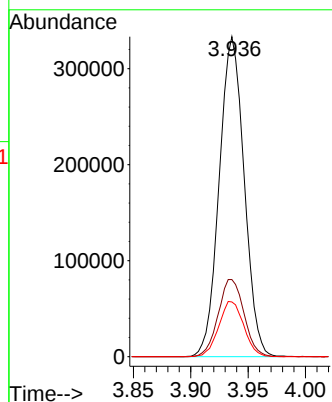
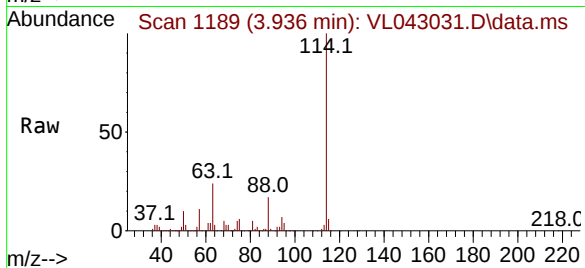
Tgt Ion:114 Resp: 504004

Ion Ratio Lower Upper

114 100

63 25.0 19.4 29.2

88 17.3 13.9 20.9



#34

2-Butanone

Concen: 0.519 ppbv

RT: 2.547 min Scan# 760

Delta R.T. 0.003 min

Lab File: VL043031.D

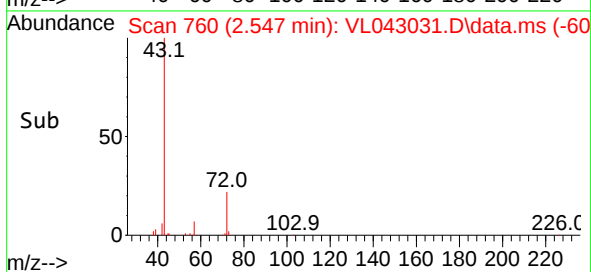
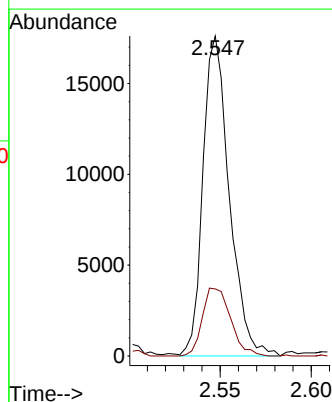
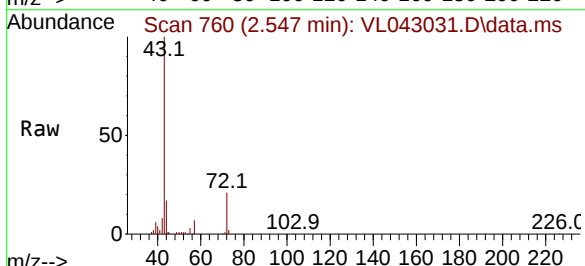
Acq: 02 Oct 2025 09:50

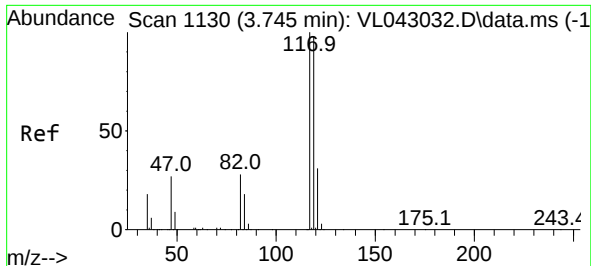
Tgt Ion: 43 Resp: 17736

Ion Ratio Lower Upper

43 100

72 22.8 18.4 27.6

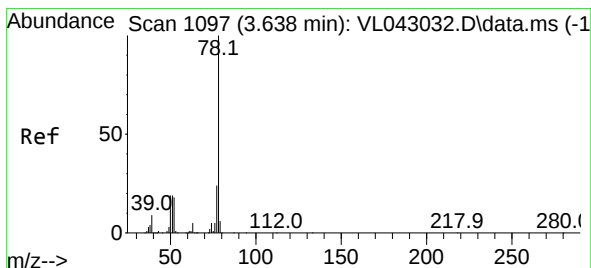
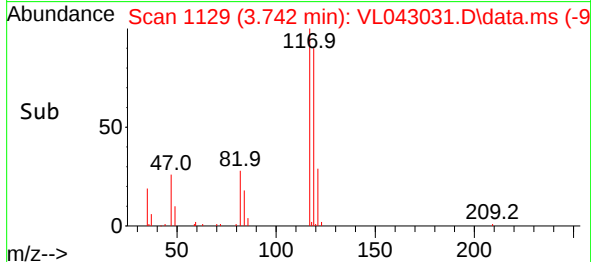
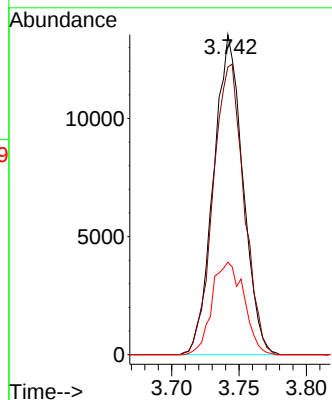
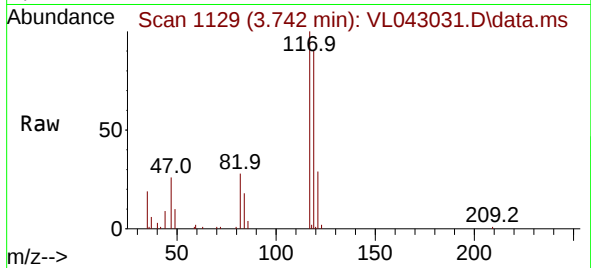




#35
Carbon Tetrachloride
Concen: 0.496 ppbv
RT: 3.742 min Scan# 1130
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

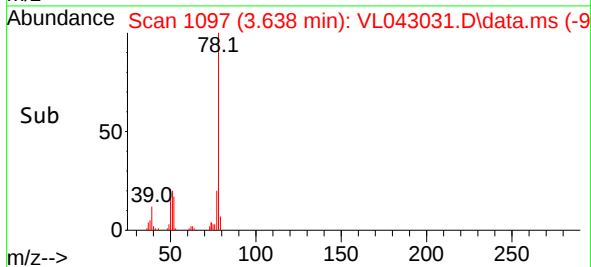
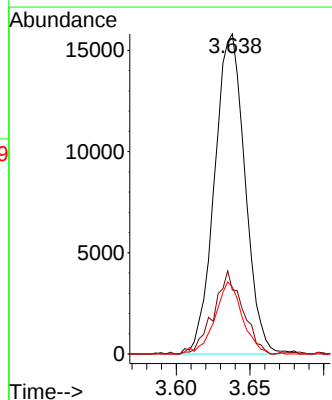
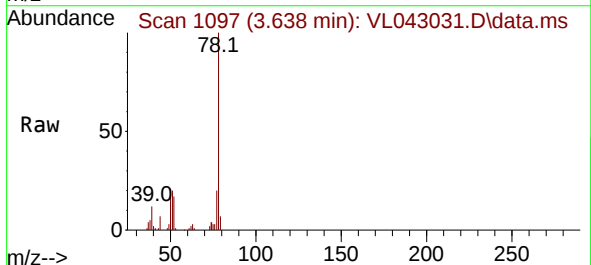
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

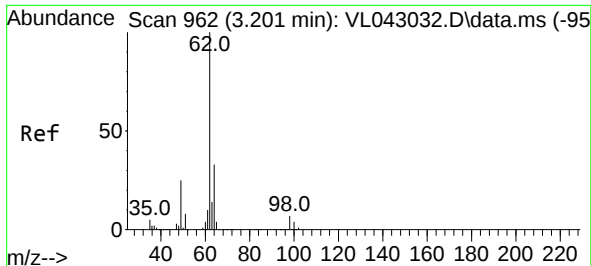
Tgt Ion:117 Resp: 20564
Ion Ratio Lower Upper
117 100
119 89.9 78.2 117.4
121 28.9 24.8 37.2



#36
Benzene
Concen: 0.472 ppbv
RT: 3.638 min Scan# 1097
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Tgt Ion: 78 Resp: 22717
Ion Ratio Lower Upper
78 100
77 20.0 19.2 28.8
50 20.9 14.9 22.3





#37

1,2-Dichloroethane

Concen: 0.516 ppbv

RT: 3.204 min Scan# 9

Delta R.T. 0.003 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

Instrument :

MSVOA_L

ClientSampleId :

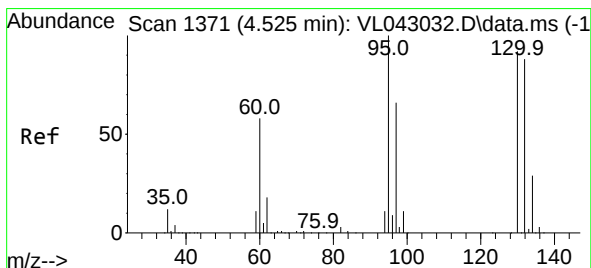
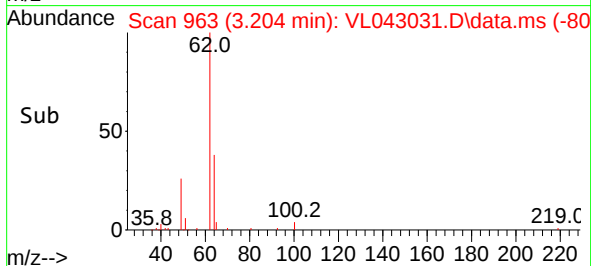
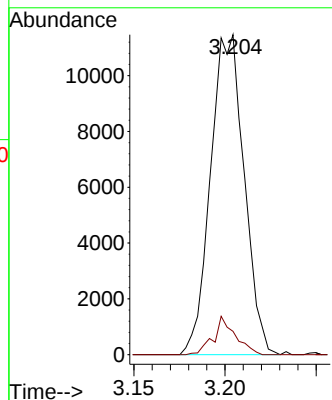
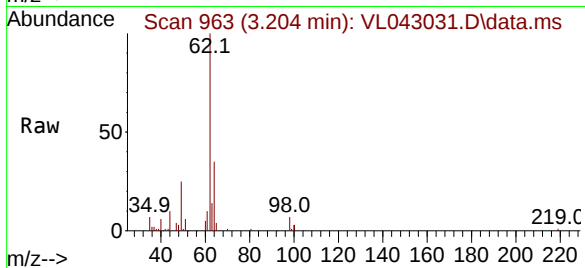
VSTDICC0.5

Tgt Ion: 62 Resp: 14711

Ion Ratio Lower Upper

62 100

98 7.8 5.6 8.4



#38

Trichloroethene

Concen: 0.231 ppbv

RT: 4.515 min Scan# 1368

Delta R.T. -0.010 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

Tgt Ion:130 Resp: 4630

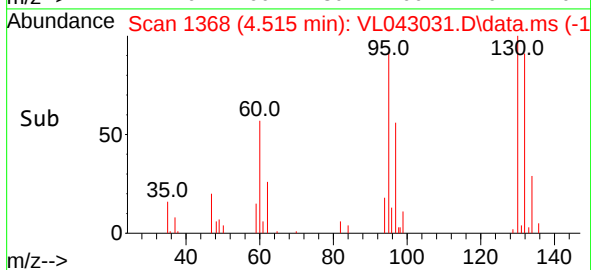
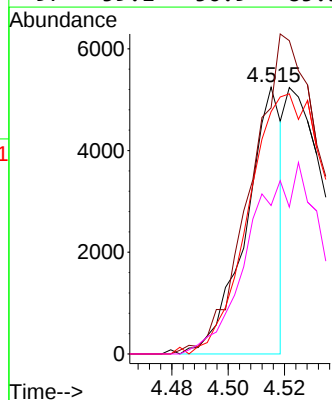
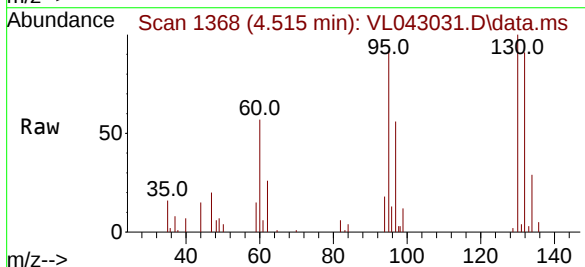
Ion Ratio Lower Upper

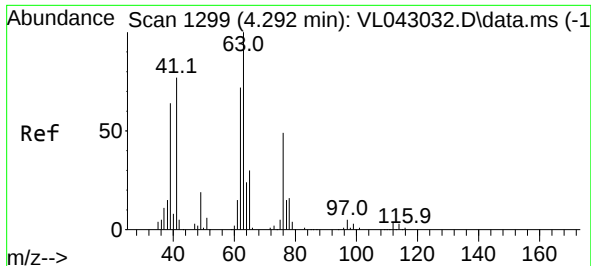
130 100

95 92.0 86.4 129.6

132 89.4 75.7 113.5

97 59.1 56.9 85.3





#39

1,2-Dichloropropane

Concen: 0.508 ppbv

RT: 4.289 min Scan# 1298

Delta R.T. -0.003 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

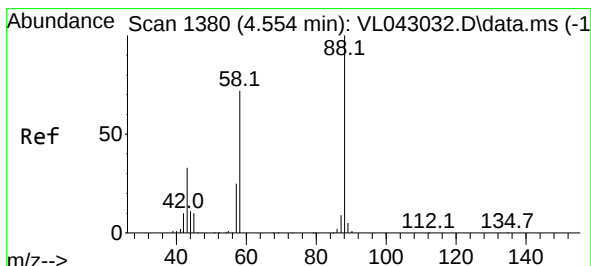
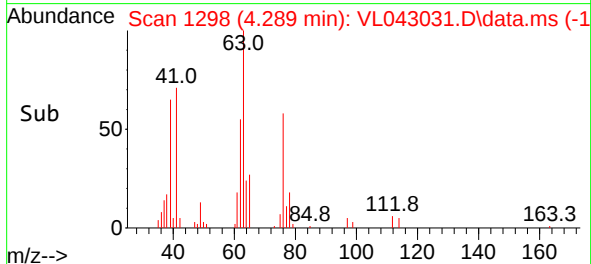
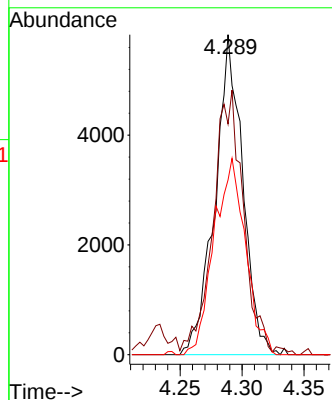
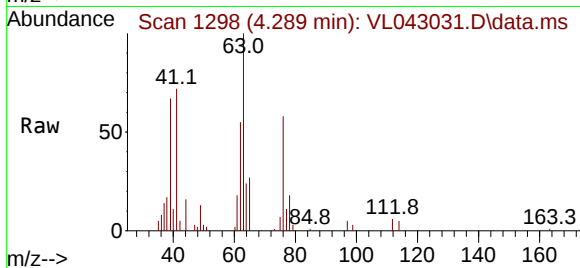
Tgt Ion: 63 Resp: 9070

Ion Ratio Lower Upper

63 100

41 70.8 61.6 92.4

62 54.6 58.1 87.1#



#40

1,4-Dioxane

Concen: 0.438 ppbv

RT: 4.570 min Scan# 1385

Delta R.T. 0.016 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

Tgt Ion: 88 Resp: 3358

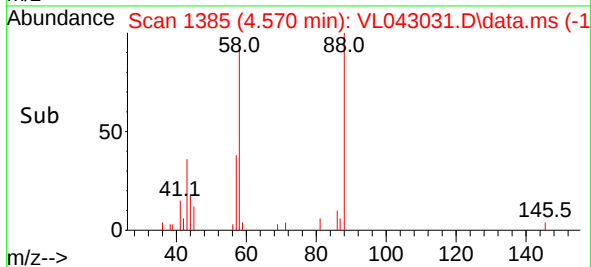
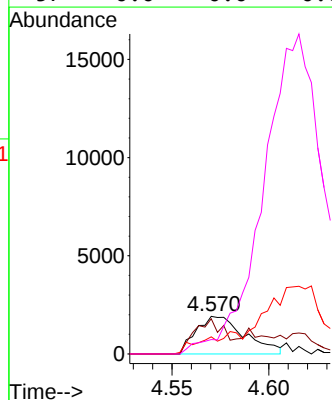
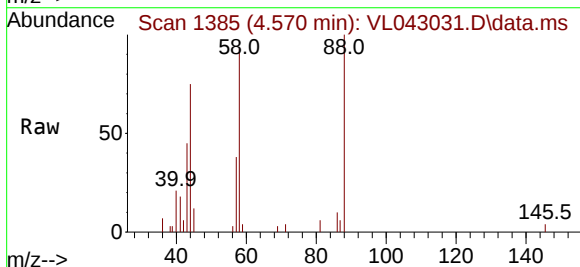
Ion Ratio Lower Upper

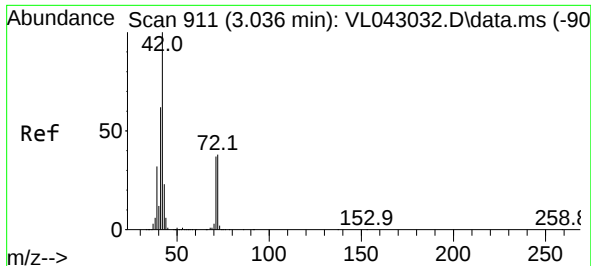
88 100

58 91.7 56.2 84.2#

43 0.0 25.7 38.5#

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.423 ppbv

RT: 3.046 min Scan# 911

Delta R.T. 0.010 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

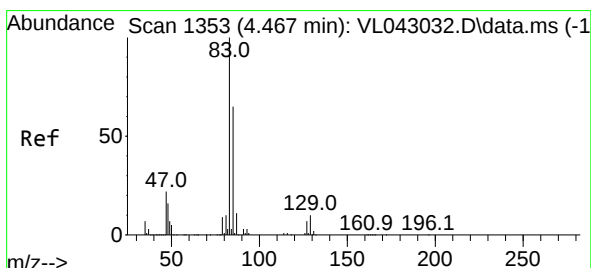
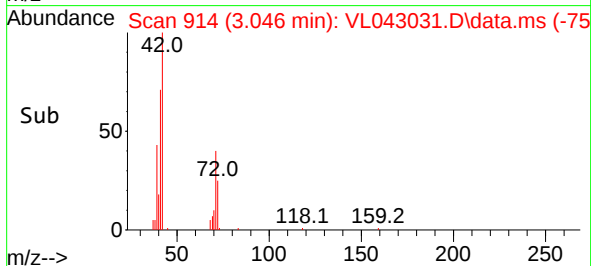
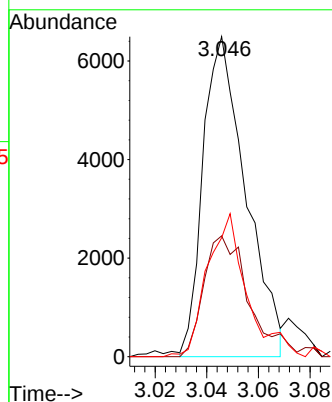
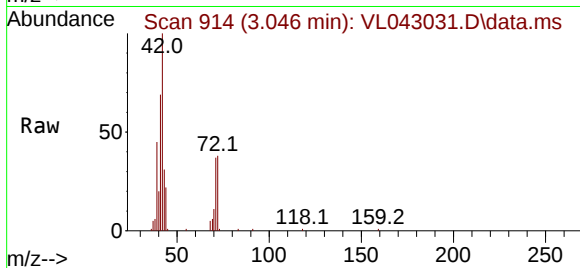
Tgt Ion: 42 Resp: 7477

Ion Ratio Lower Upper

42 100

72 40.6 31.0 46.6

71 41.6 29.8 44.6



#42

Bromodichloromethane

Concen: 0.512 ppbv

RT: 4.463 min Scan# 1352

Delta R.T. -0.003 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

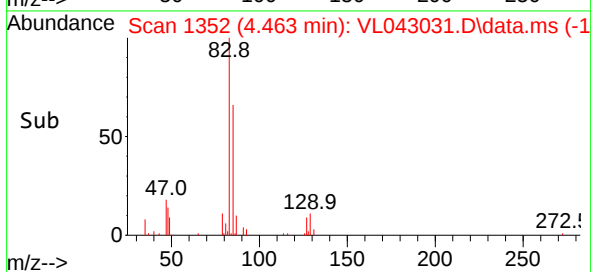
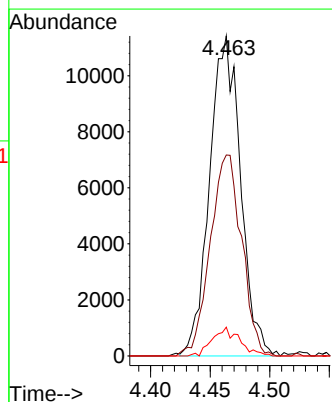
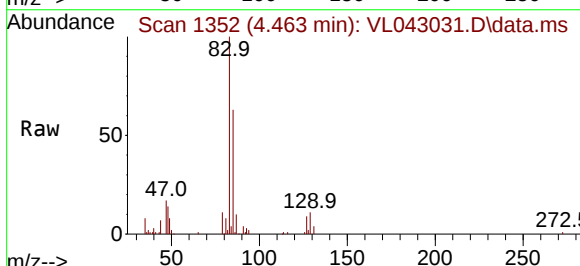
Tgt Ion: 83 Resp: 20614

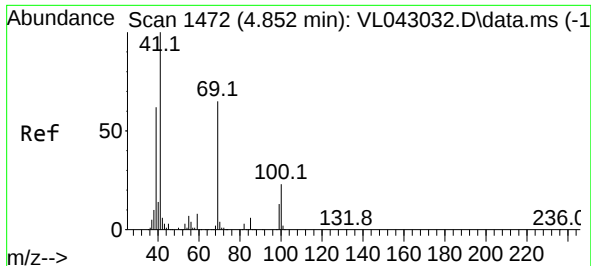
Ion Ratio Lower Upper

83 100

85 62.8 51.8 77.8

127 9.0 5.9 8.9#



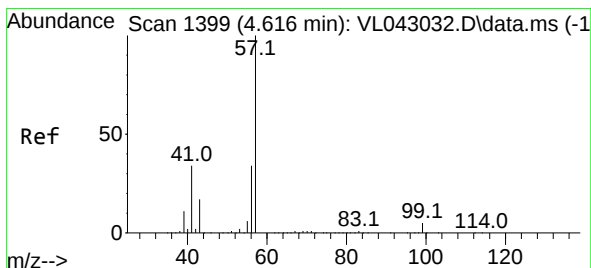
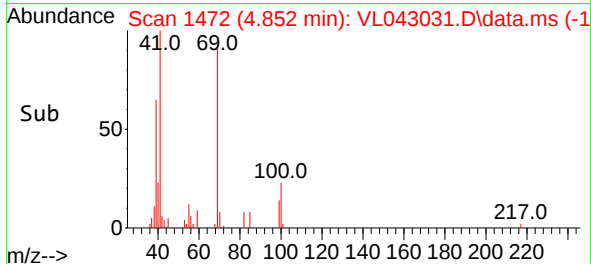
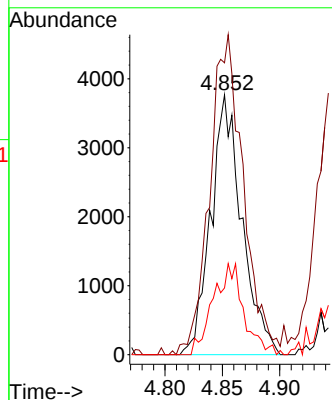
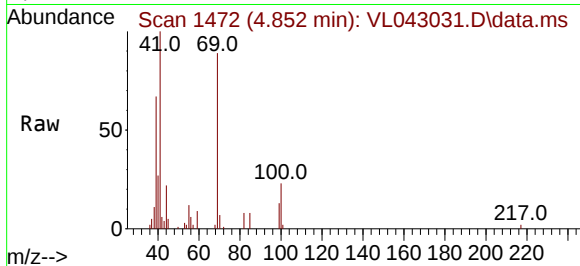


#43
Methyl Methacrylate
Concen: 0.444 ppbv
RT: 4.852 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 69 Resp: 7092

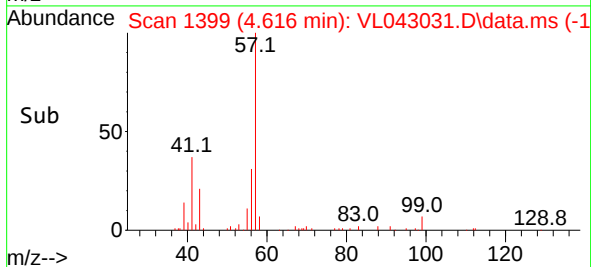
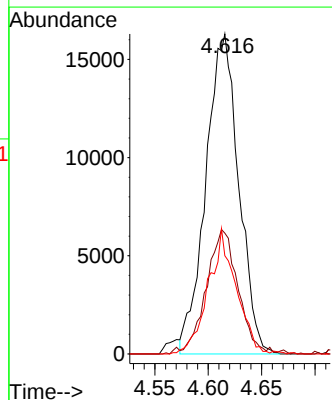
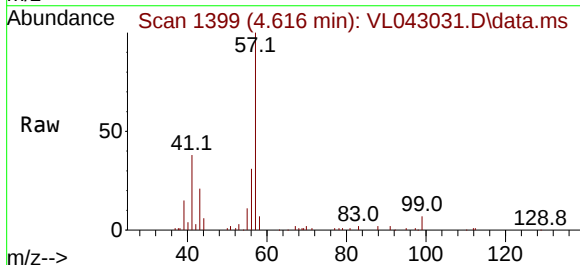
Ion	Ratio	Lower	Upper
69	100		
41	133.2	118.0	177.0
100	35.4	28.3	42.5

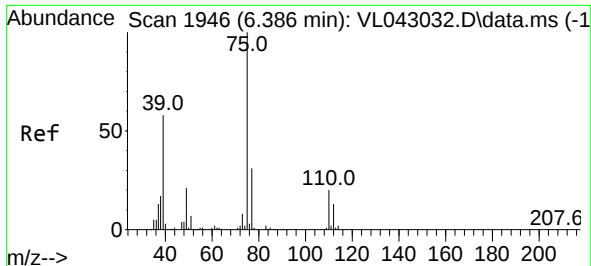


#44
2,2,4-Trimethylpentane
Concen: 0.453 ppbv
RT: 4.616 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Tgt Ion: 57 Resp: 34977

Ion	Ratio	Lower	Upper
57	100		
41	37.9	27.0	40.4
56	33.3	26.0	39.0





#45

t-1,3-Dichloropropene

Concen: 0.441 ppbv

RT: 6.376 min Scan# 1946

Delta R.T. -0.010 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

Instrument :

MSVOA_L

ClientSampleId :

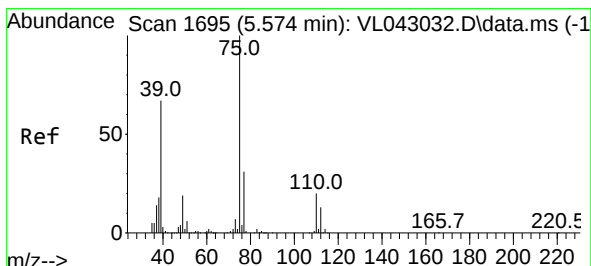
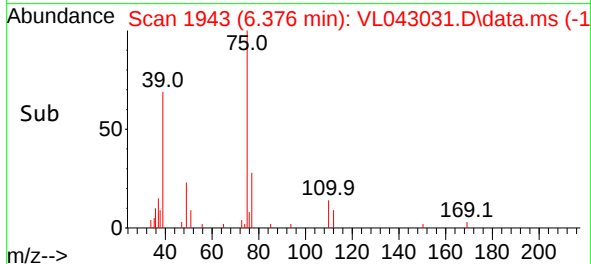
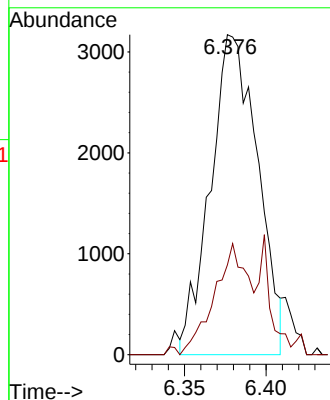
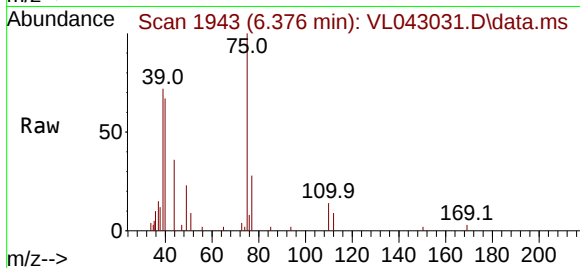
VSTDIC0.5

Tgt Ion: 75 Resp: 6392

Ion Ratio Lower Upper

75 100

77 28.0 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 0.229 ppbv

RT: 5.570 min Scan# 1694

Delta R.T. -0.003 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

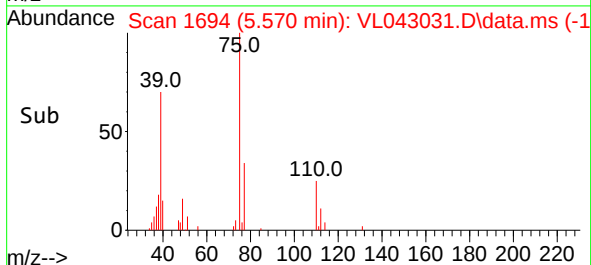
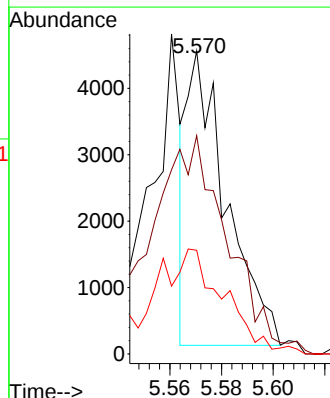
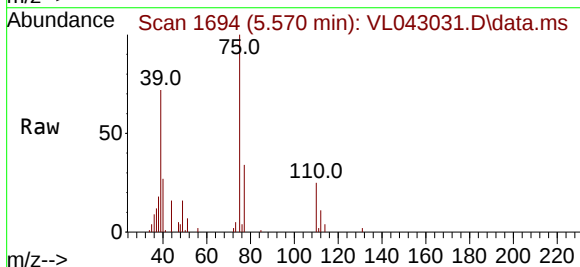
Tgt Ion: 75 Resp: 4709

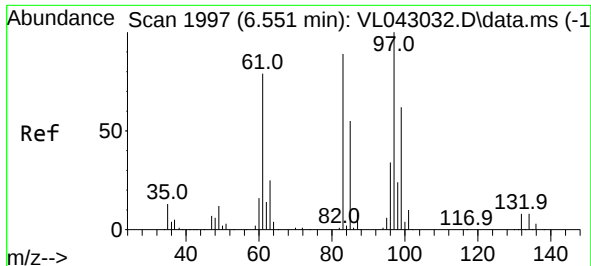
Ion Ratio Lower Upper

75 100

39 70.3 53.4 80.0

77 33.2 25.0 37.4





#47

1,1,2-Trichloroethane

Concen: 0.526 ppbv

RT: 6.551 min Scan# 1997

Delta R.T. -0.000 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 97 Resp: 10438

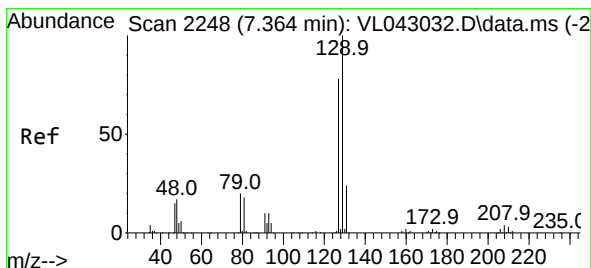
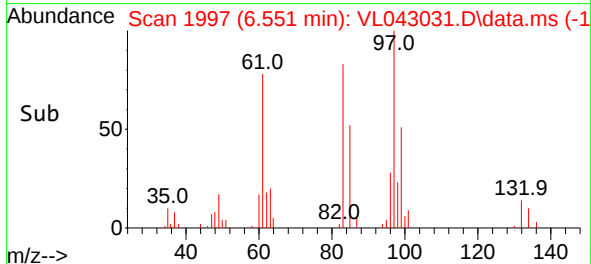
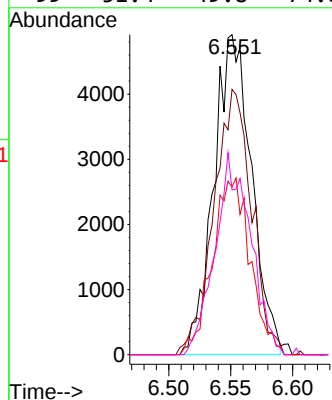
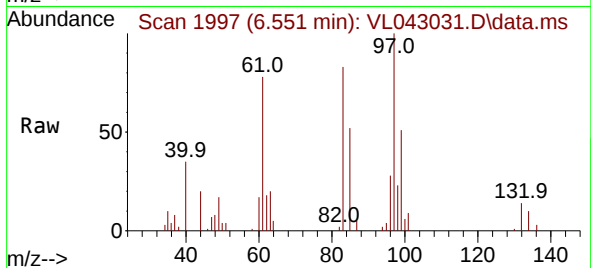
Ion Ratio Lower Upper

97 100

83 80.7 71.1 106.7

85 52.4 44.3 66.5

99 51.4 49.8 74.8



#48

Dibromochloromethane

Concen: 0.474 ppbv

RT: 7.357 min Scan# 2246

Delta R.T. -0.007 min

Lab File: VL043031.D

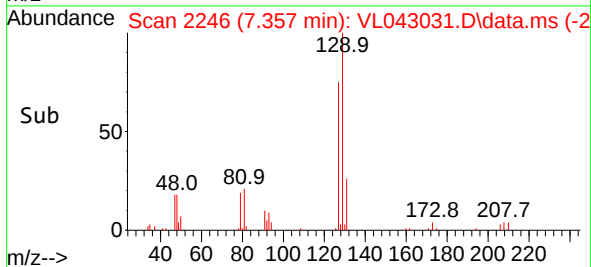
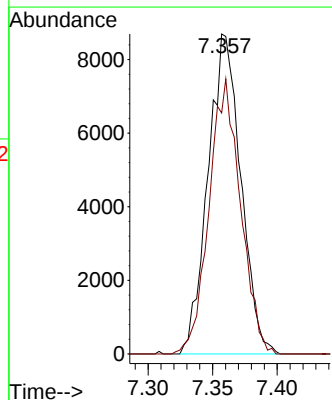
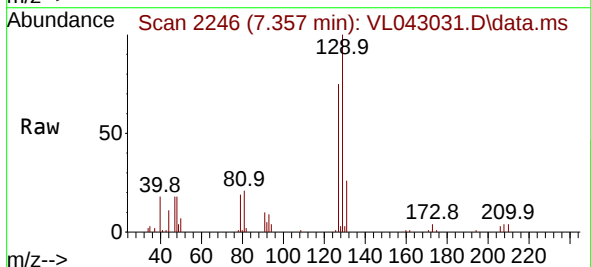
Acq: 02 Oct 2025 09:50

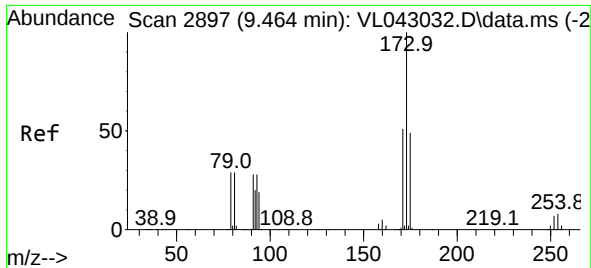
Tgt Ion: 129 Resp: 15360

Ion Ratio Lower Upper

129 100

127 82.3 38.6 116.0

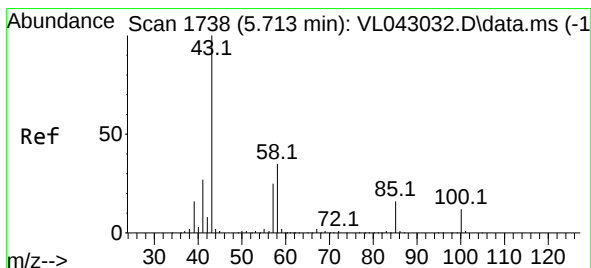
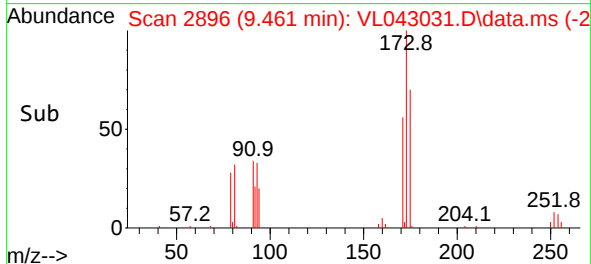
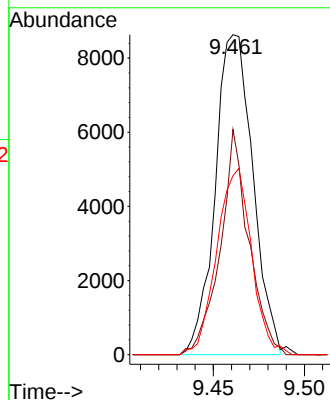
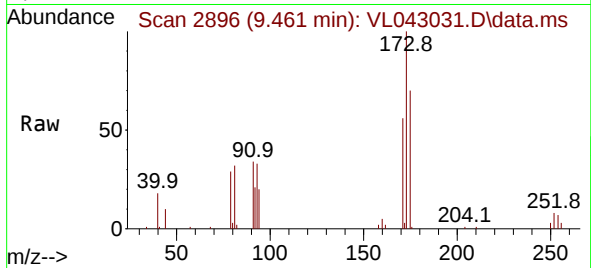




#49
Bromoform
Concen: 0.458 ppbv
RT: 9.461 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

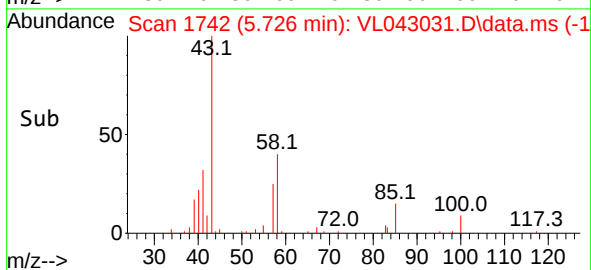
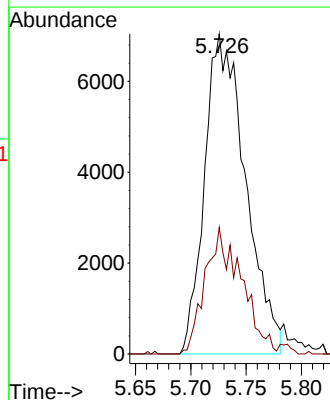
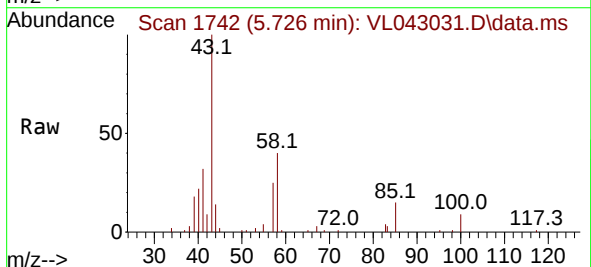
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

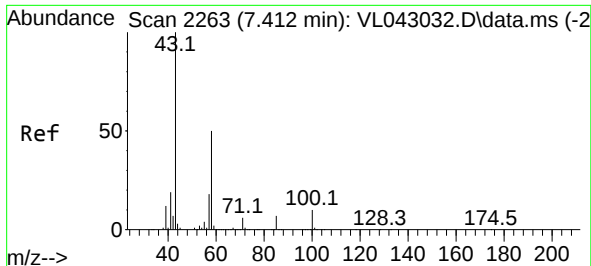
Tgt Ion:173 Resp: 12398
Ion Ratio Lower Upper
173 100
175 53.5 39.1 58.7
171 54.0 41.4 62.2



#50
4-Methyl-2-Pentanone
Concen: 0.434 ppbv
RT: 5.726 min Scan# 1742
Delta R.T. 0.013 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Tgt Ion: 43 Resp: 18115
Ion Ratio Lower Upper
43 100
58 36.0 28.7 43.1

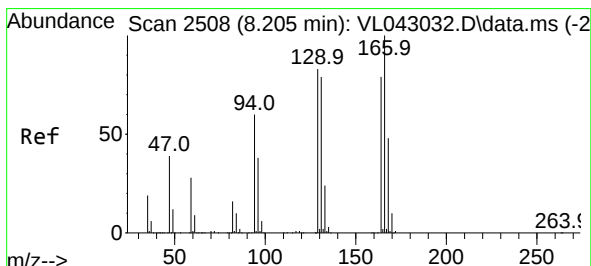
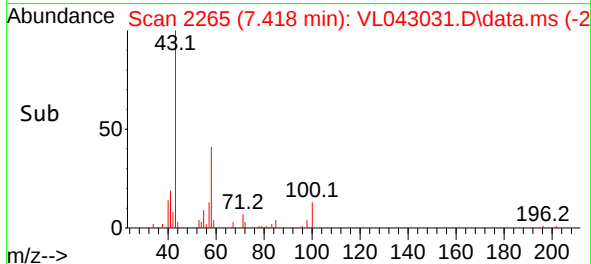
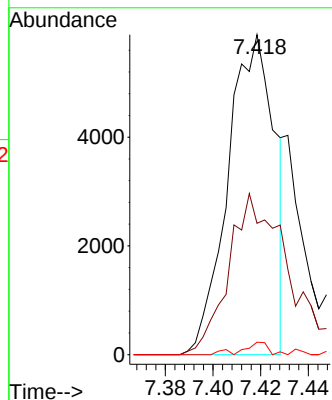
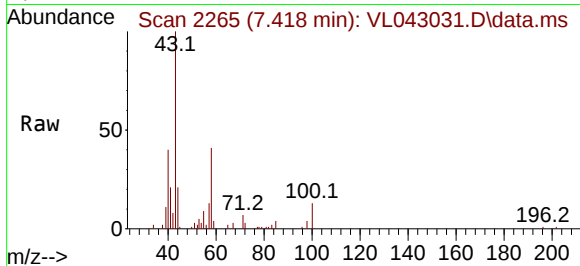




#51
2-Hexanone
Concen: 0.271 ppbv
RT: 7.418 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

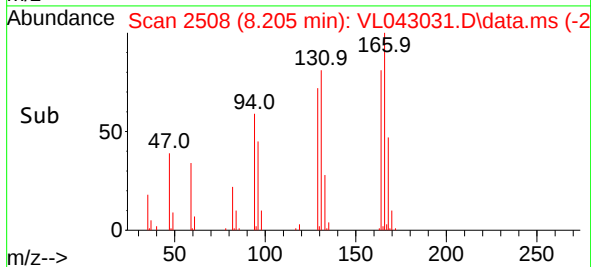
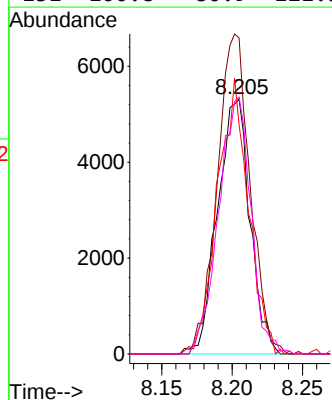
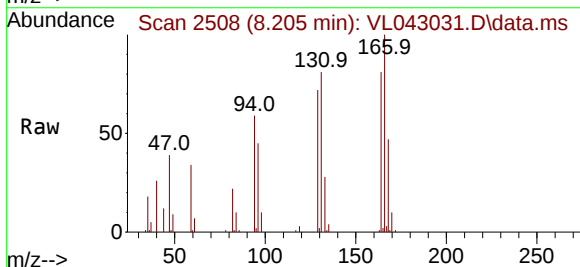
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

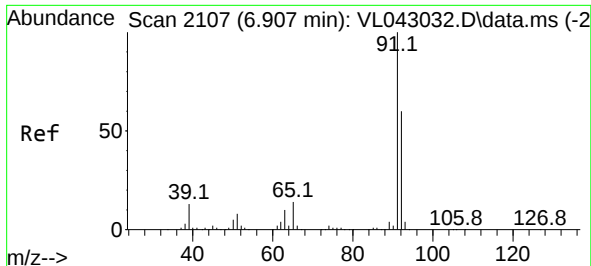
Tgt Ion: 43 Resp: 8022
Ion Ratio Lower Upper
43 100
58 65.4 39.1 58.7#
98 2.5 0.5 0.7#



#52
Tetrachloroethene
Concen: 0.476 ppbv
RT: 8.205 min Scan# 2508
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Tgt Ion: 164 Resp: 8537
Ion Ratio Lower Upper
164 100
166 124.1 101.8 152.8
129 89.9 84.5 126.7
131 100.8 80.9 121.3

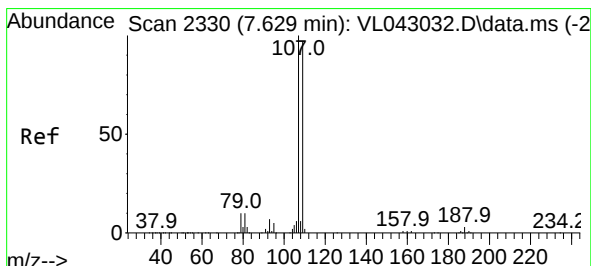
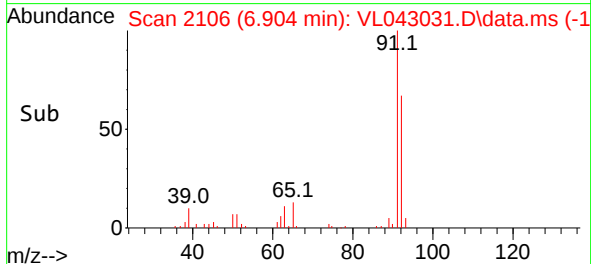
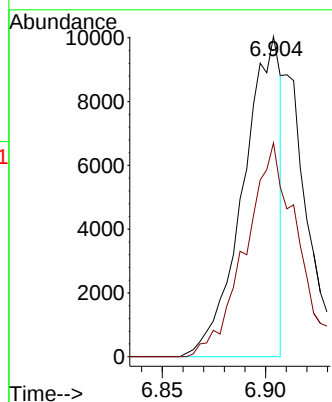
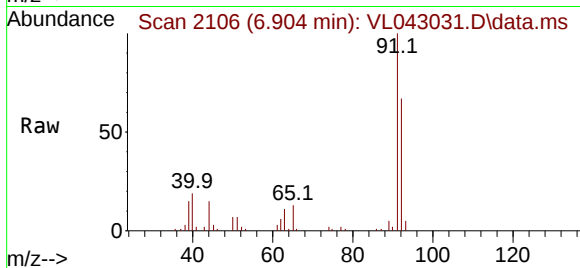




#53
Toluene
Concen: 0.262 ppbv
RT: 6.904 min Scan# 2107
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

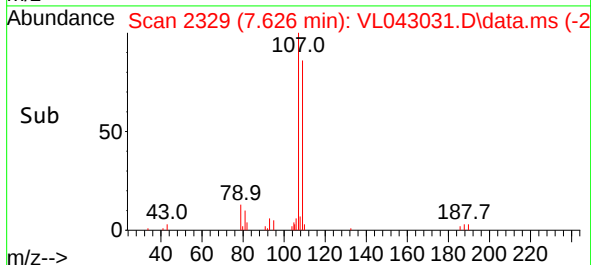
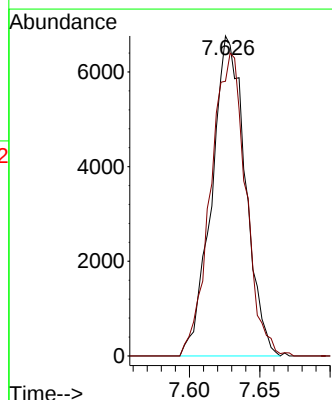
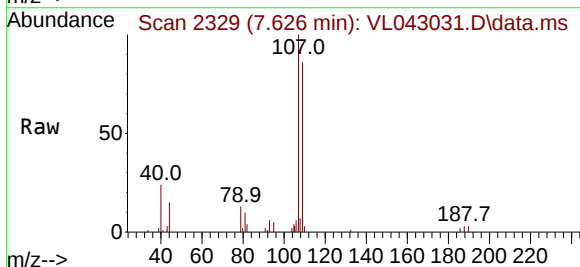
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

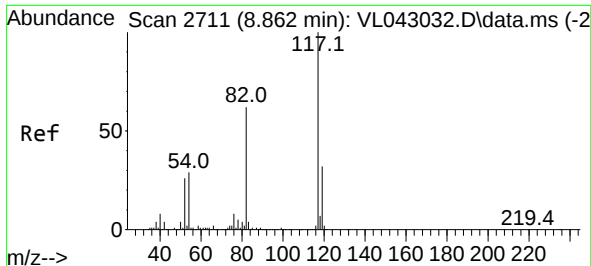
Tgt Ion: 91 Resp: 12761
Ion Ratio Lower Upper
91 100
92 92.4 47.8 71.6#



#54
1,2-Dibromoethane
Concen: 0.479 ppbv
RT: 7.626 min Scan# 2329
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Tgt Ion: 107 Resp: 11279
Ion Ratio Lower Upper
107 100
109 85.8 77.4 116.0

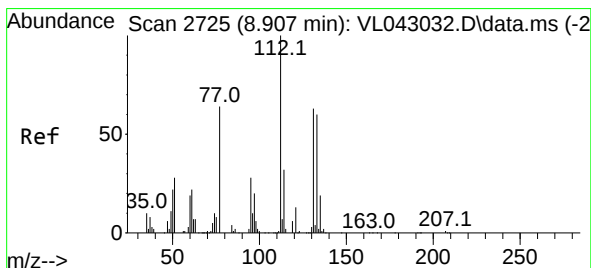
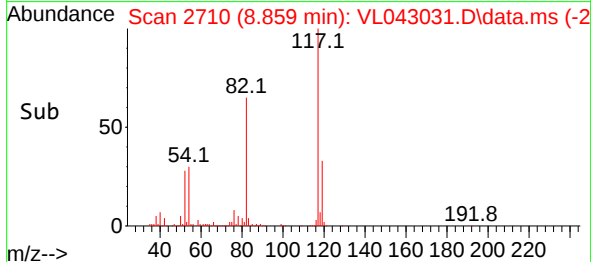
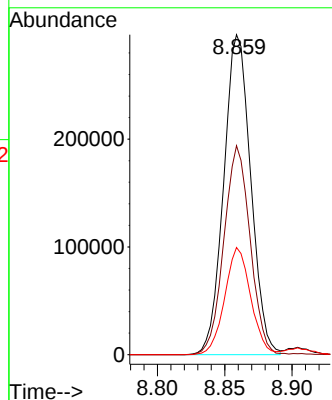
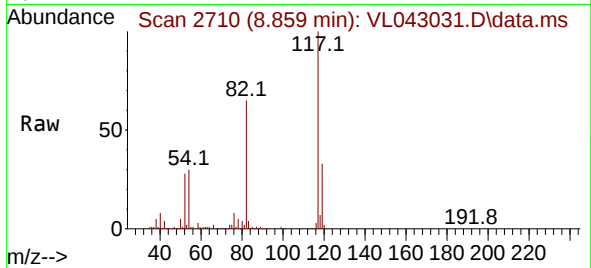




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.859 min Scan# 2710
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

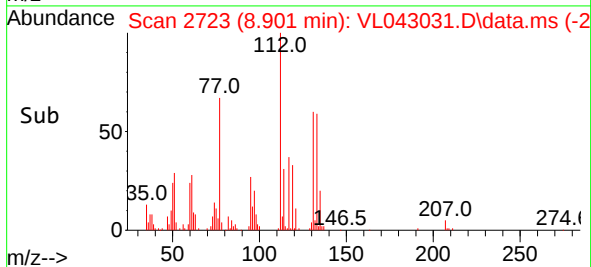
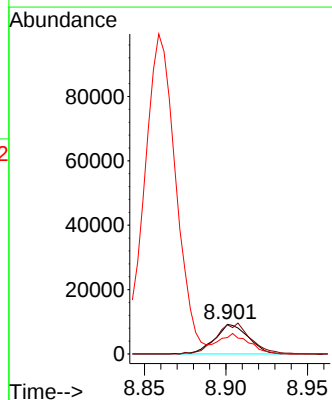
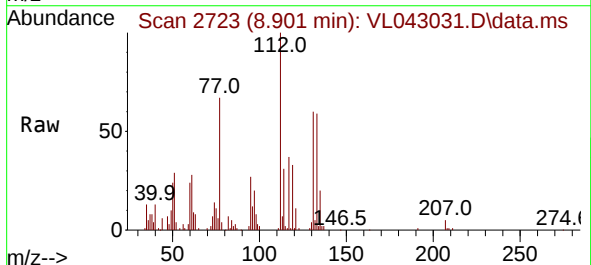
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

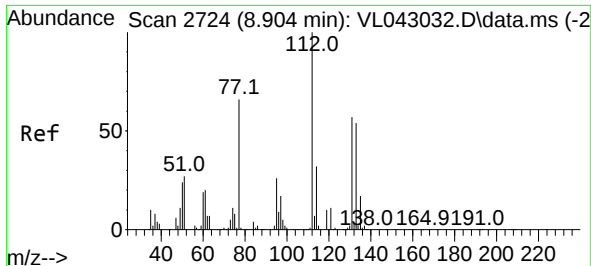
Tgt Ion:117 Resp: 415115
Ion Ratio Lower Upper
117 100
82 63.5 53.0 79.6
119 34.2 25.4 38.2



#56
1,1,1,2-Tetrachloroethane
Concen: 0.517 ppbv
RT: 8.901 min Scan# 2723
Delta R.T. -0.007 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Tgt Ion:131 Resp: 13091
Ion Ratio Lower Upper
131 100
133 107.1 76.2 114.4
119 1083.3 49.4 74.2#





#57

Chlorobenzene

Concen: 0.514 ppbv

RT: 8.898 min Scan# 21

Delta R.T. -0.007 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

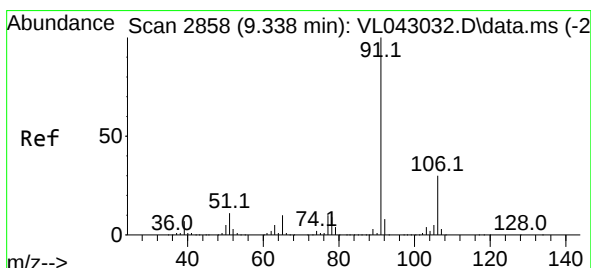
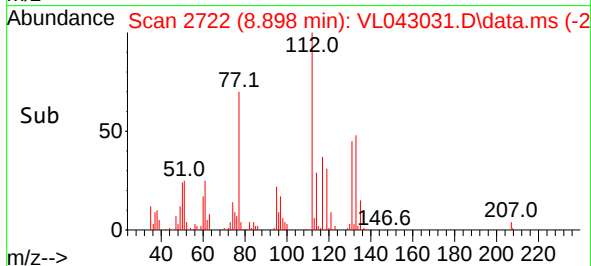
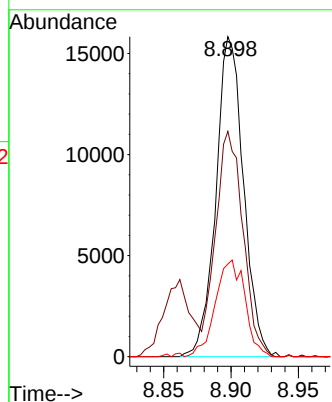
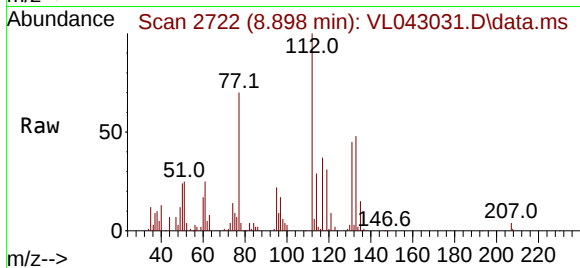
Tgt Ion:112 Resp: 22573

Ion Ratio Lower Upper

112 100

77 70.4 53.2 79.8

114 28.9 28.6 35.0



#58

Ethyl Benzene

Concen: 0.398 ppbv

RT: 9.335 min Scan# 2857

Delta R.T. -0.003 min

Lab File: VL043031.D

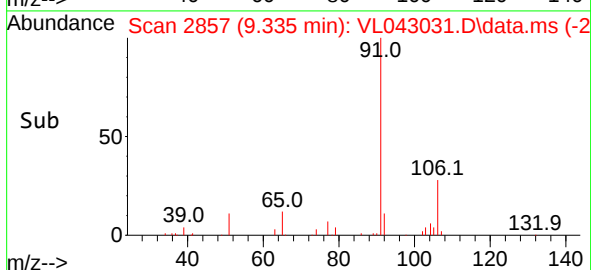
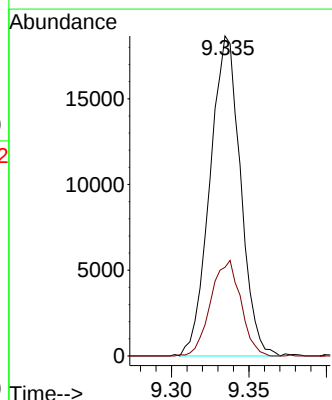
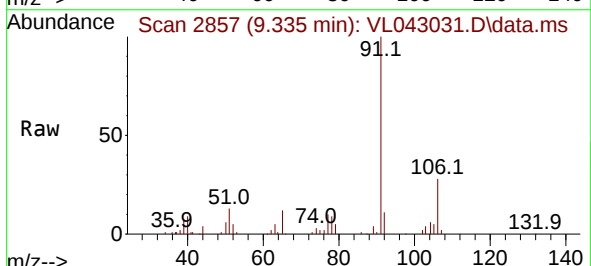
Acq: 02 Oct 2025 09:50

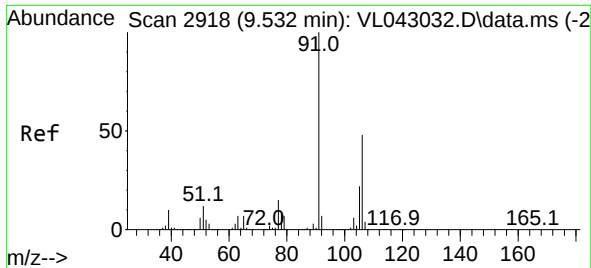
Tgt Ion: 91 Resp: 25575

Ion Ratio Lower Upper

91 100

106 27.7 24.1 36.1





#59

m/p-Xylene

Concen: 0.413 ppbv

RT: 9.529 min Scan# 2918

Delta R.T. -0.003 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

Instrument :

MSVOA_L

ClientSampleId :

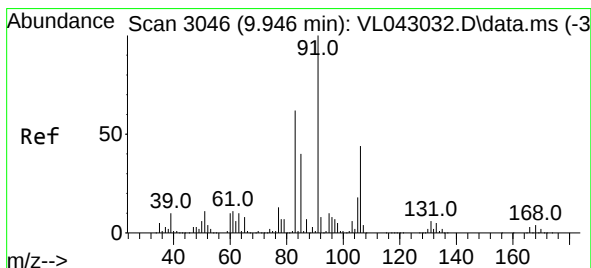
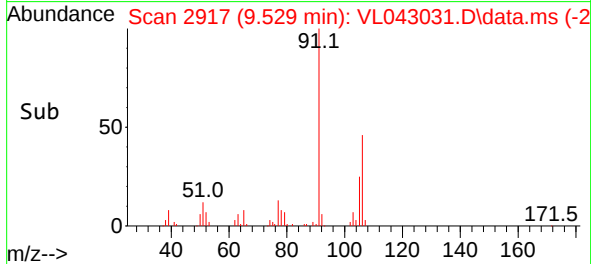
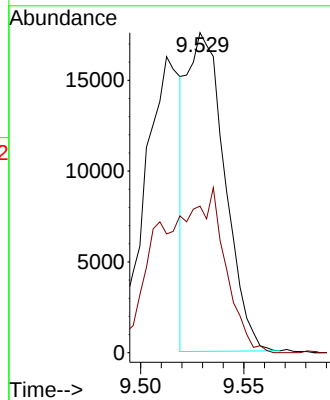
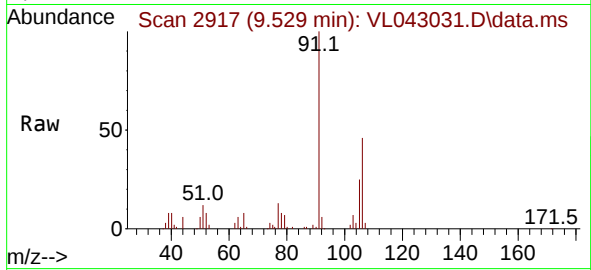
VSTDIC0.5

Tgt Ion: 91 Resp: 22410

Ion Ratio Lower Upper

91 100

106 89.4 37.5 56.3#



#60

o-Xylene

Concen: 0.392 ppbv

RT: 9.943 min Scan# 3045

Delta R.T. -0.003 min

Lab File: VL043031.D

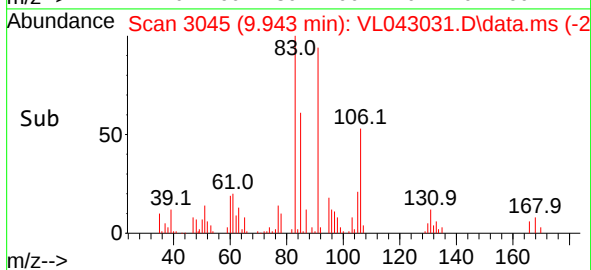
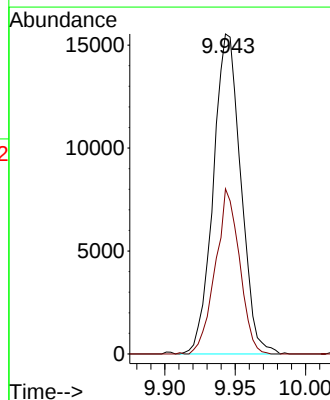
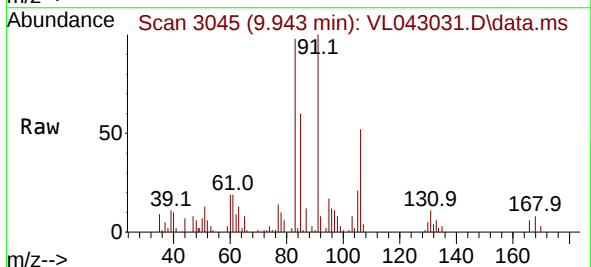
Acq: 02 Oct 2025 09:50

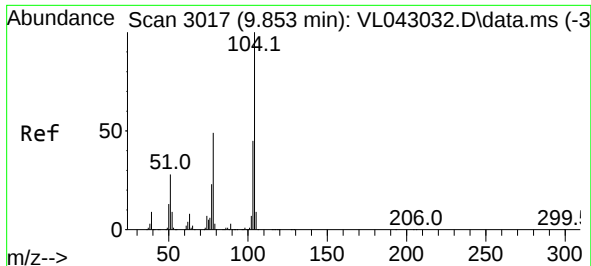
Tgt Ion: 91 Resp: 21166

Ion Ratio Lower Upper

91 100

106 45.3 21.9 65.5

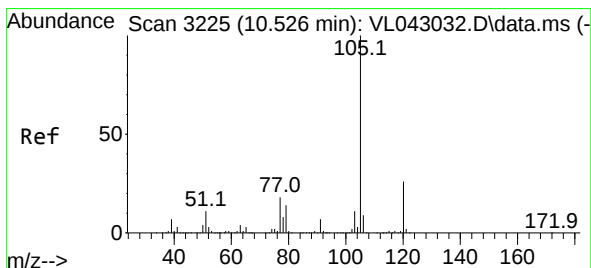
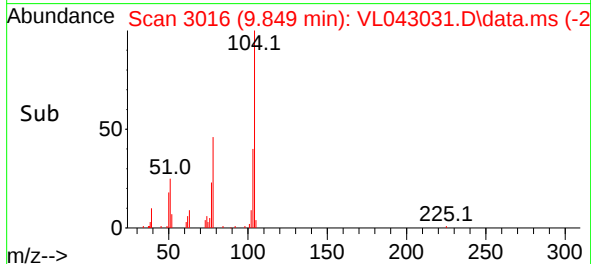
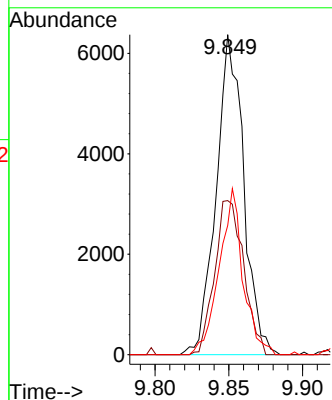
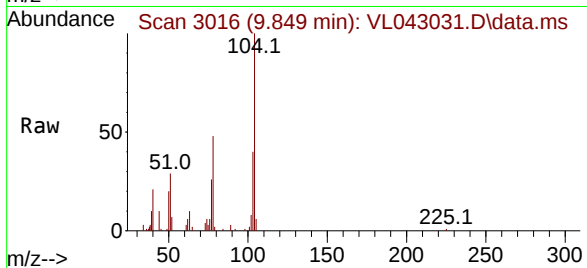




#61
Styrene
Concen: 0.365 ppbv
RT: 9.849 min Scan# 3016
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

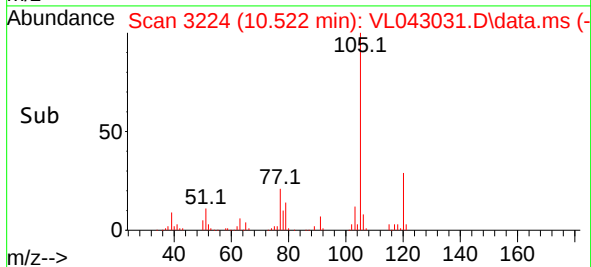
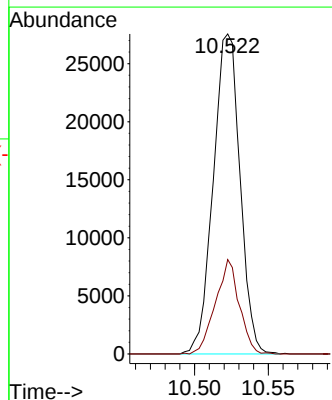
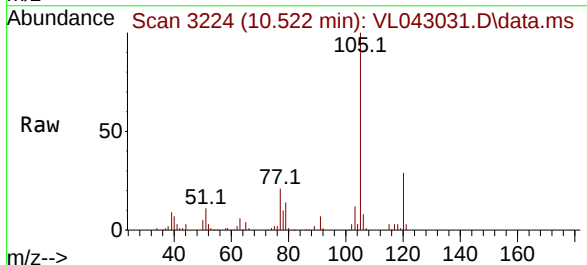
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

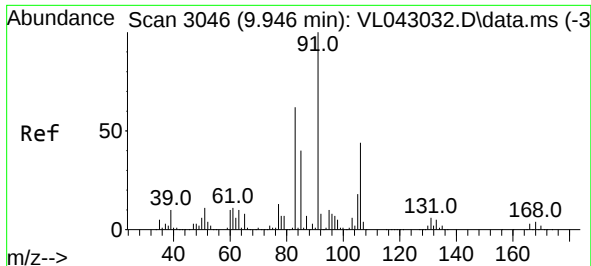
Tgt Ion:104 Resp: 8258
Ion Ratio Lower Upper
104 100
78 50.8 39.7 59.5
103 45.1 37.6 56.4



#62
Isopropylbenzene
Concen: 0.419 ppbv
RT: 10.522 min Scan# 3224
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Tgt Ion:105 Resp: 34761
Ion Ratio Lower Upper
105 100
120 26.2 20.6 31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 0.490 ppbv

RT: 9.943 min Scan# 3045

Delta R.T. -0.003 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

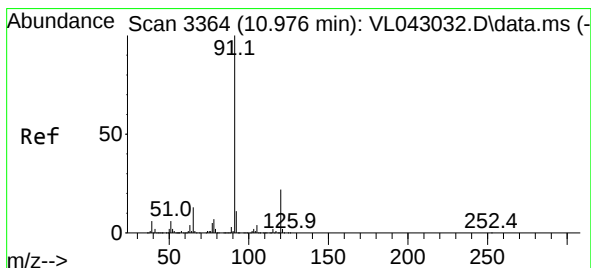
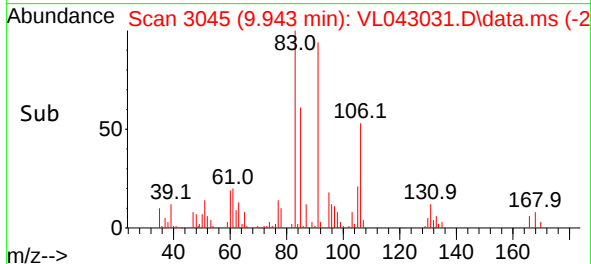
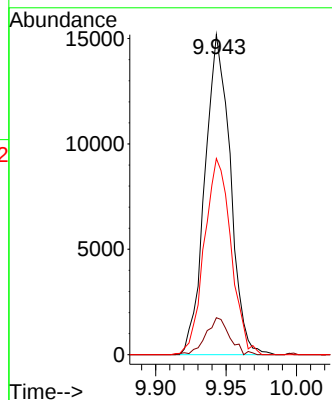
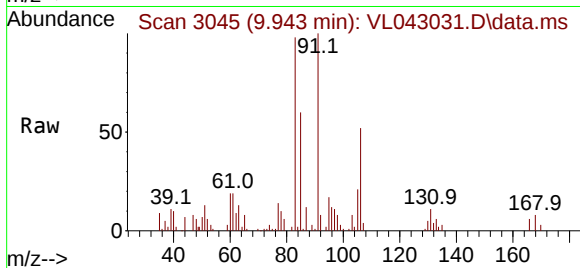
Tgt Ion: 83 Resp: 19066

Ion Ratio Lower Upper

83 100

131 10.7 4.7 14.1

85 64.6 32.0 96.2



#64

n-propylbenzene

Concen: 0.375 ppbv

RT: 10.972 min Scan# 3363

Delta R.T. -0.003 min

Lab File: VL043031.D

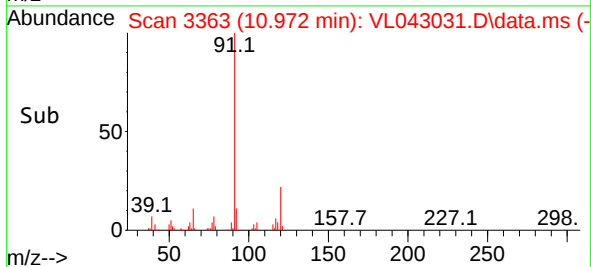
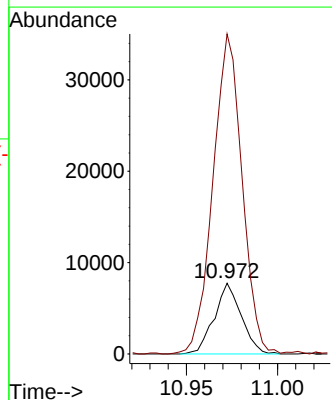
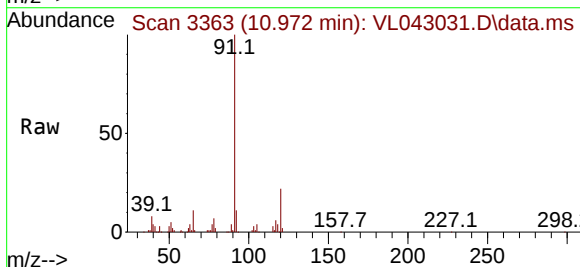
Acq: 02 Oct 2025 09:50

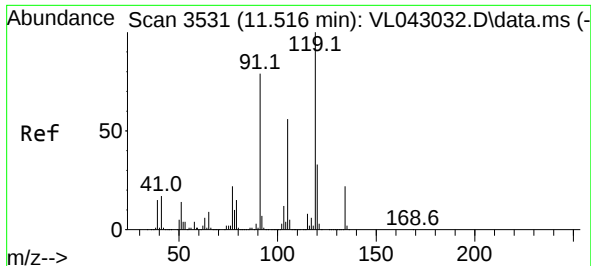
Tgt Ion:120 Resp: 7963

Ion Ratio Lower Upper

120 100

91 491.7 367.0 550.4

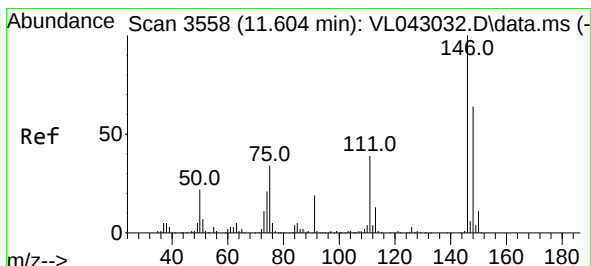
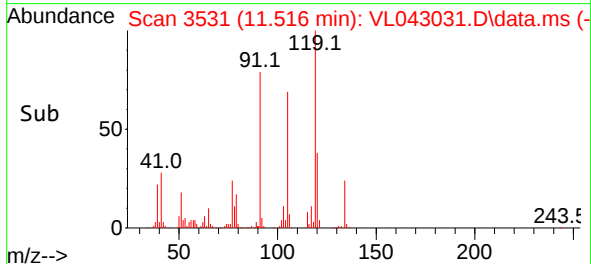
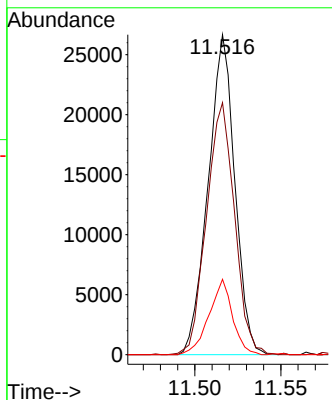
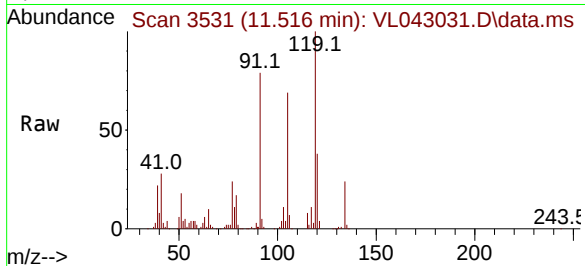




#65
tert-Butylbenzene
Concen: 0.389 ppbv
RT: 11.516 min Scan# 3531
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

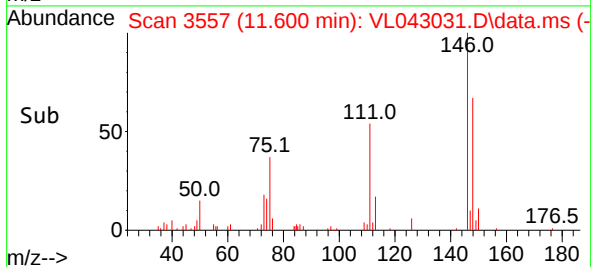
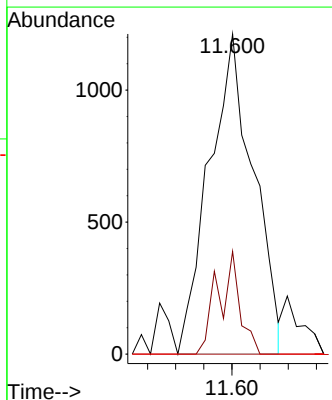
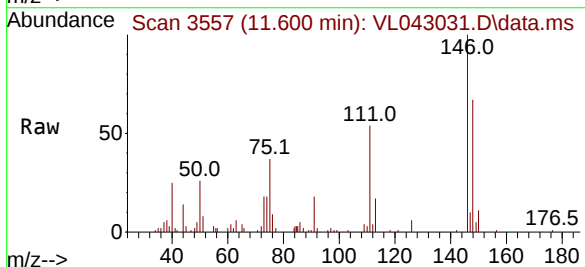
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

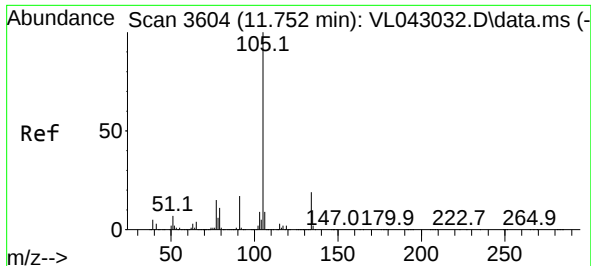
Tgt Ion:119 Resp: 28729
Ion Ratio Lower Upper
119 100
91 82.6 63.1 94.7
134 21.0 16.9 25.3



#66
Benzyl Chloride
Concen: 0.462 ppbv
RT: 11.600 min Scan# 3557
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Tgt Ion: 91 Resp: 1321
Ion Ratio Lower Upper
91 100
126 16.0 14.2 21.4
128 0.0 4.8 7.2#





#67

sec-Butylbenzene

Concen: 0.385 ppbv

RT: 11.752 min Scan# 3173

Delta R.T. -0.000 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

Instrument :

MSVOA_L

ClientSampleId :

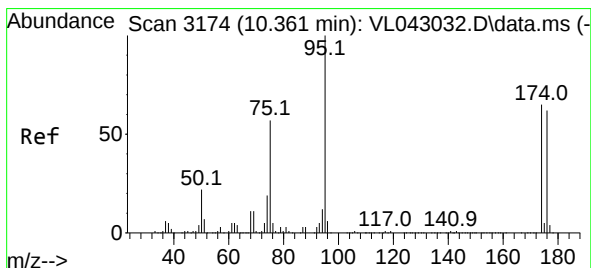
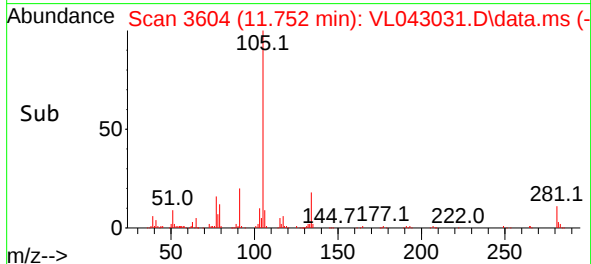
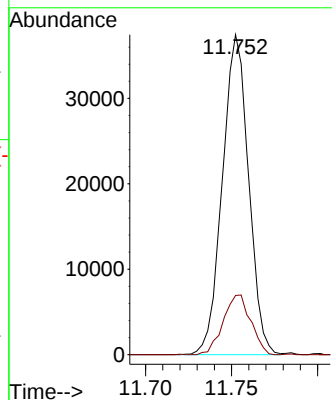
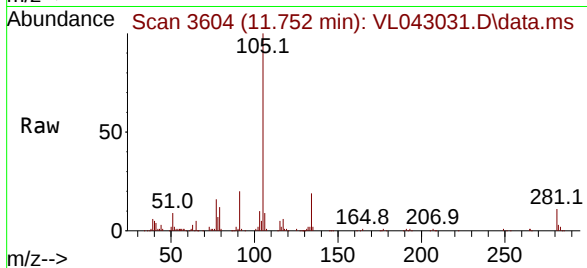
VSTDIC0.5

Tgt Ion:105 Resp: 39676

Ion Ratio Lower Upper

105 100

134 19.7 15.2 22.8



#68

1-Bromo-4-Fluorobenzene

Concen: 10.086 ppbv

RT: 10.357 min Scan# 3173

Delta R.T. -0.003 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

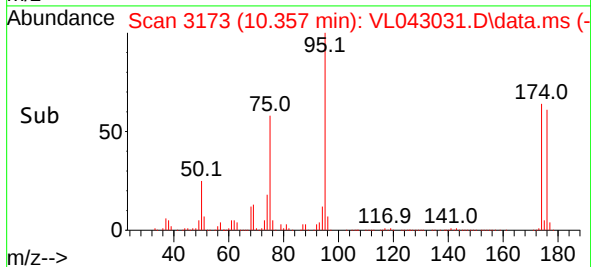
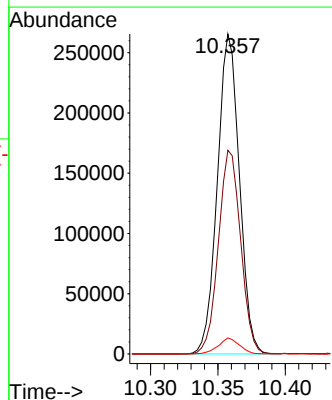
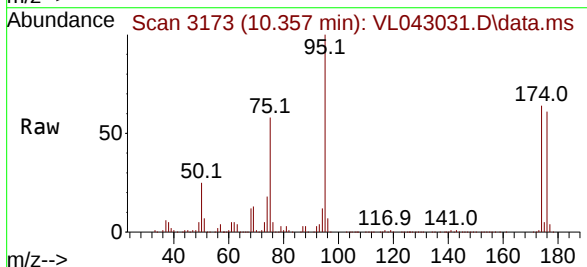
Tgt Ion: 95 Resp: 301605

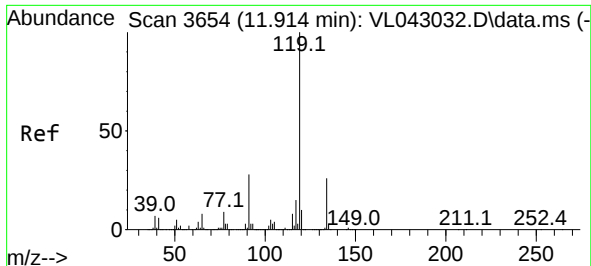
Ion Ratio Lower Upper

95 100

174 64.6 52.3 78.5

175 4.9 3.8 5.8

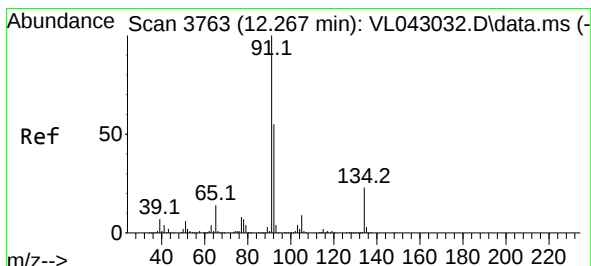
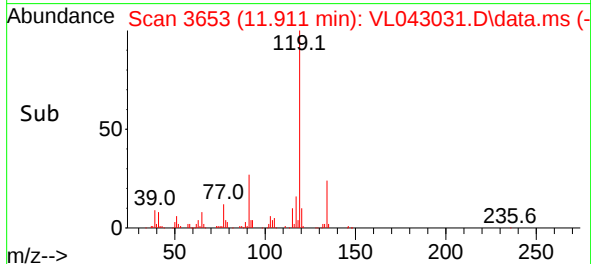
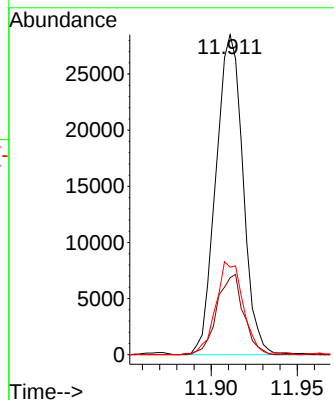
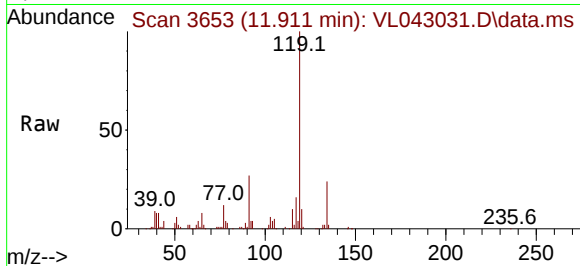




#69
p-Isopropyltoluene
Concen: 0.371 ppbv
RT: 11.911 min Scan# 3653
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

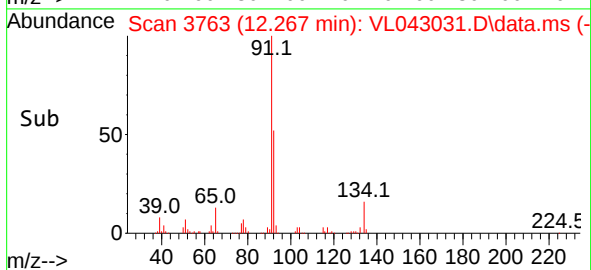
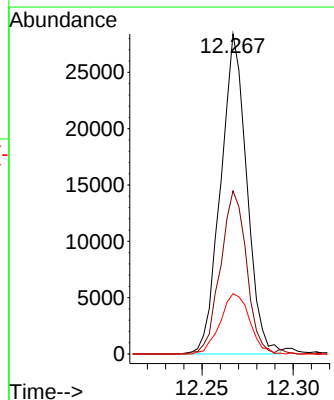
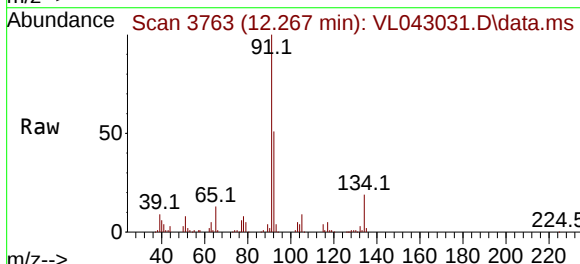
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

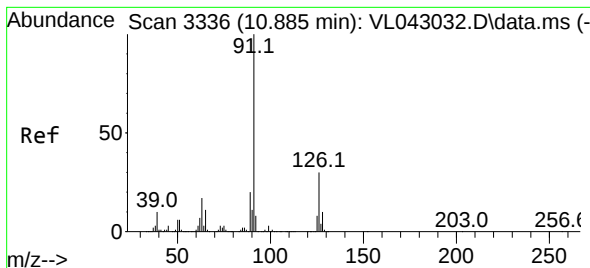
Tgt Ion:	119	Resp:	31118
Ion	Ratio	Lower	Upper
119	100		
134	24.8	20.5	30.7
91	29.7	22.6	33.8



#70
n-Butylbenzene
Concen: 0.350 ppbv
RT: 12.267 min Scan# 3763
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Tgt Ion:	91	Resp:	28253
Ion	Ratio	Lower	Upper
91	100		
92	51.2	43.9	65.9
134	21.3	18.9	28.3

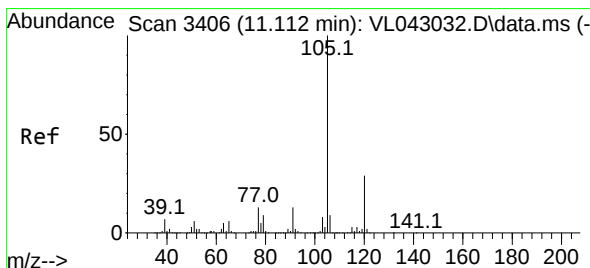
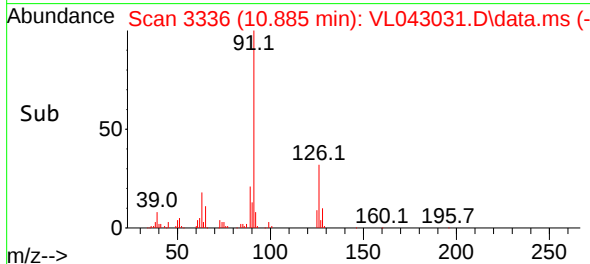
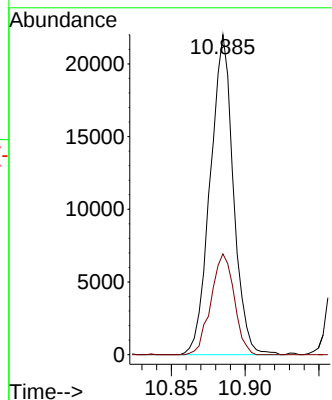
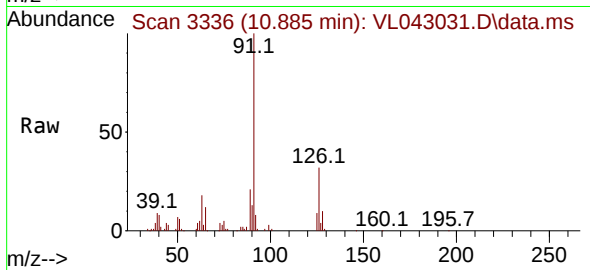




#71
2-Chlorotoluene
Concen: 0.400 ppbv
RT: 10.885 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

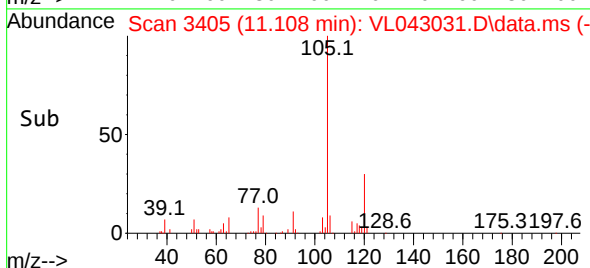
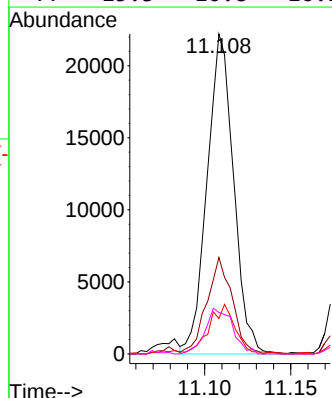
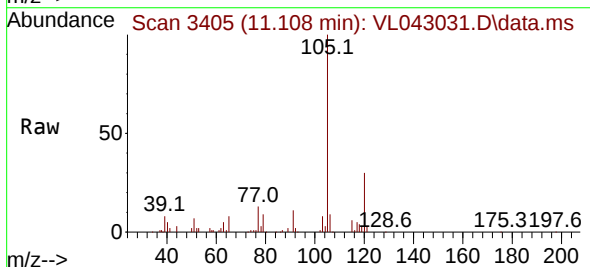
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

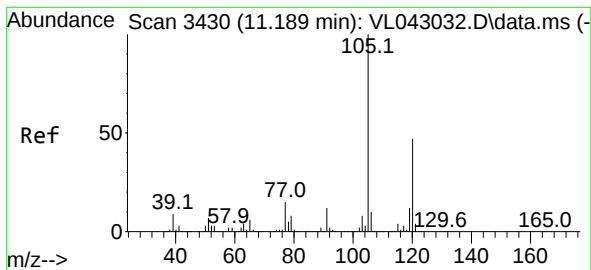
Tgt Ion: 91 Resp: 24004
Ion Ratio Lower Upper
91 100
126 31.6 12.2 48.6



#72
4-Ethyltoluene
Concen: 0.369 ppbv
RT: 11.108 min Scan# 3405
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Tgt Ion: 105 Resp: 23762
Ion Ratio Lower Upper
105 100
120 30.5 23.5 35.3
91 16.2 10.4 15.6#
77 15.3 10.8 16.2





#73

1,3,5-Trimethylbenzene

Concen: 0.389 ppbv

RT: 11.186 min Scan# 3430

Delta R.T. -0.003 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

Instrument :

MSVOA_L

ClientSampleId :

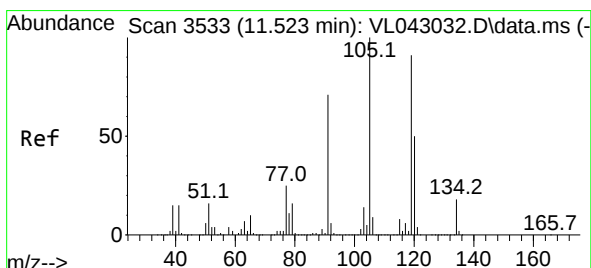
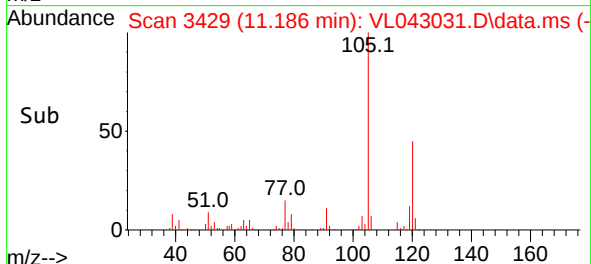
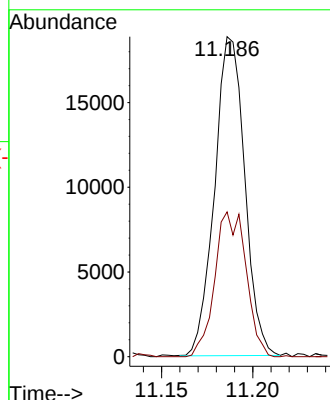
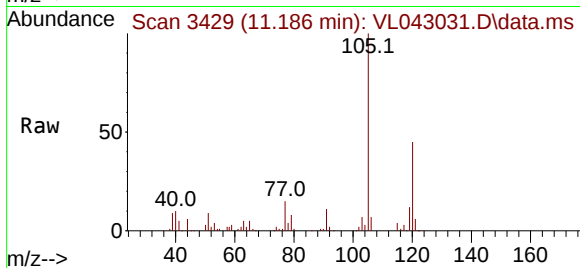
VSTDIC0.5

Tgt Ion:105 Resp: 21617

Ion Ratio Lower Upper

105 100

120 45.4 37.5 56.3



#74

1,2,4-Trimethylbenzene

Concen: 0.374 ppbv

RT: 11.523 min Scan# 3533

Delta R.T. -0.000 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

Tgt Ion:105 Resp: 23511

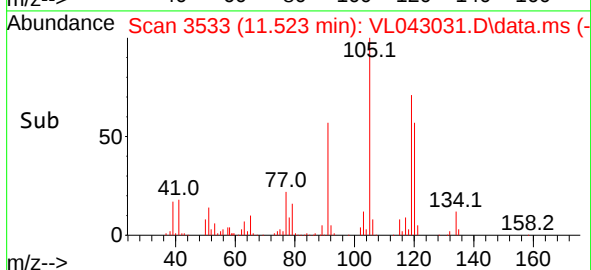
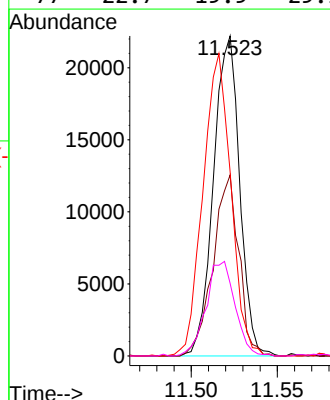
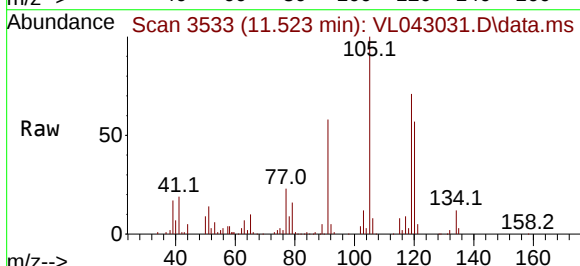
Ion Ratio Lower Upper

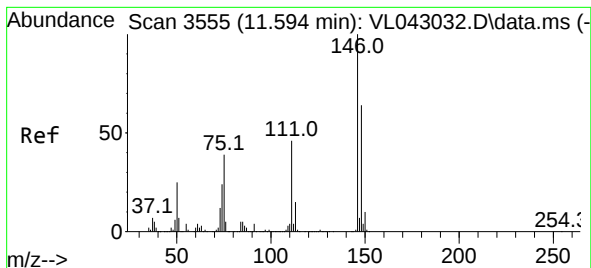
105 100

120 56.6 39.7 59.5

91 57.6 56.5 84.7

77 22.7 19.9 29.9





#75

1,3-Dichlorobenzene

Concen: 0.474 ppbv

RT: 11.590 min Scan# 3555

Delta R.T. -0.003 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

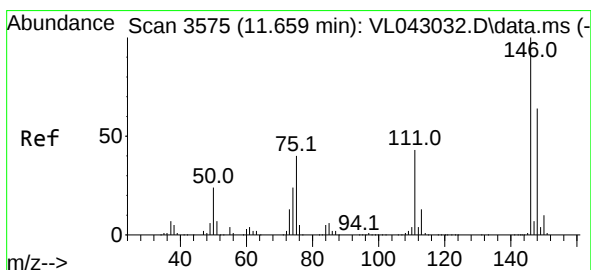
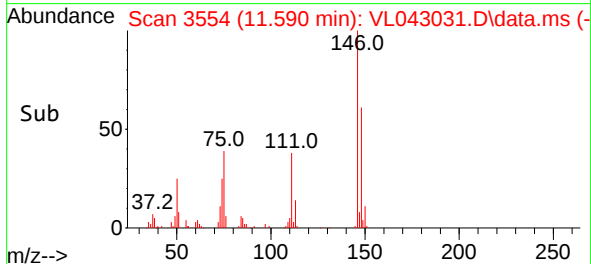
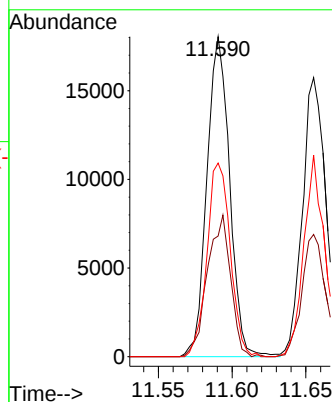
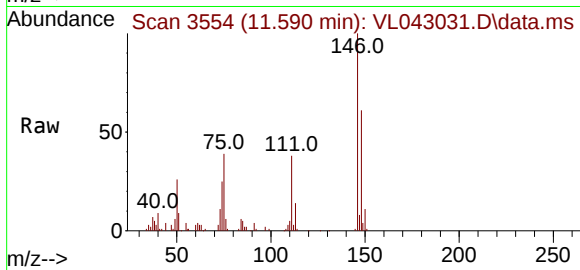
Tgt Ion:146 Resp: 19346

Ion Ratio Lower Upper

146 100

111 45.3 22.6 67.7

148 62.0 31.9 95.7



#76

1,4-Dichlorobenzene

Concen: 0.440 ppbv

RT: 11.655 min Scan# 3574

Delta R.T. -0.003 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

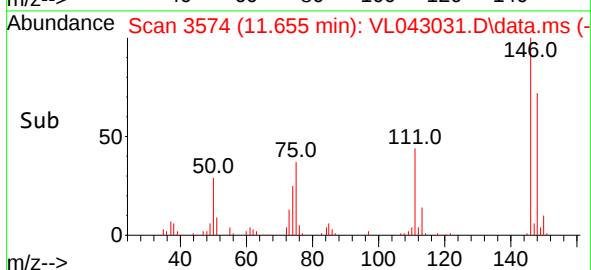
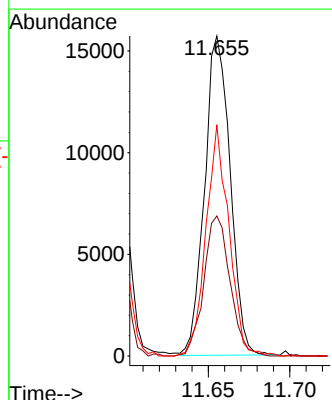
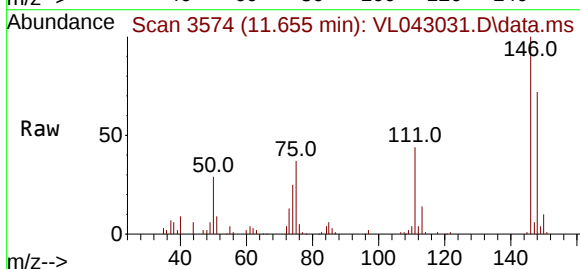
Tgt Ion:146 Resp: 17115

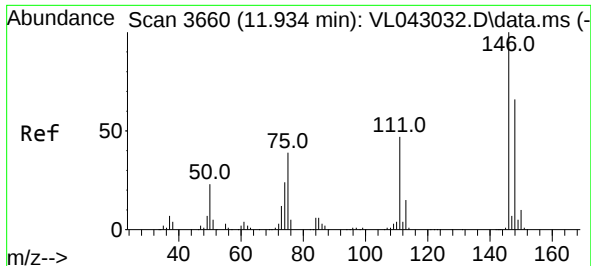
Ion Ratio Lower Upper

146 100

111 44.9 21.7 65.1

148 65.0 32.1 96.3

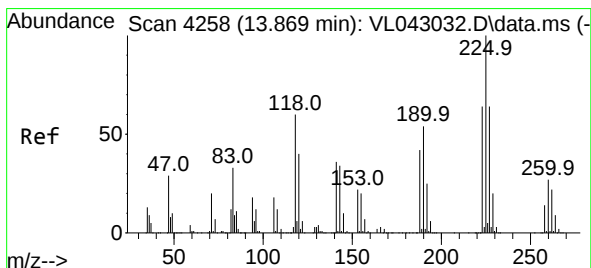
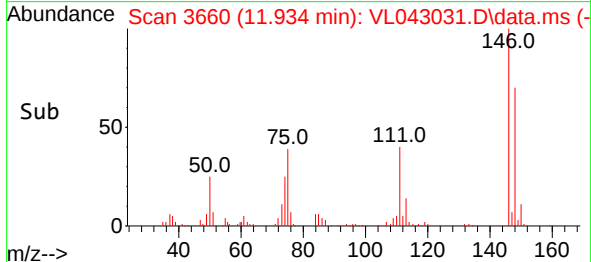
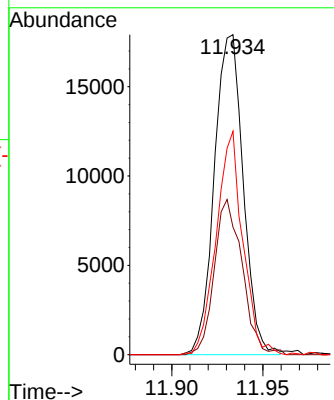
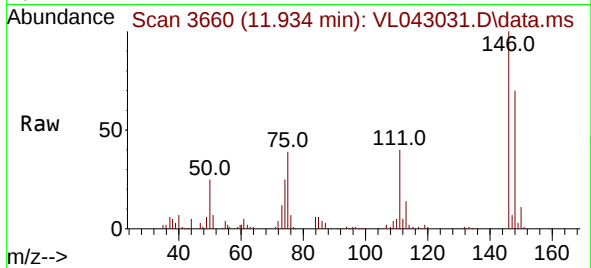




#77
1,2-Dichlorobenzene
Concen: 0.485 ppbv
RT: 11.934 min Scan# 3660
Delta R.T. -0.000 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

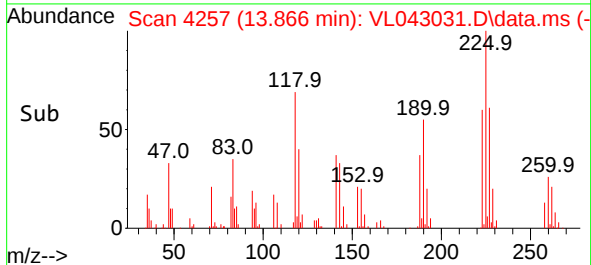
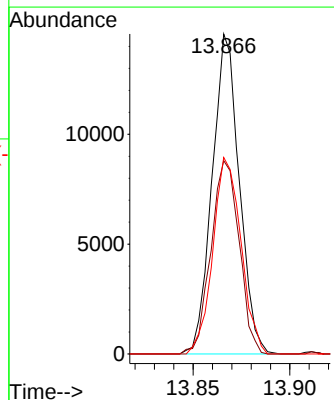
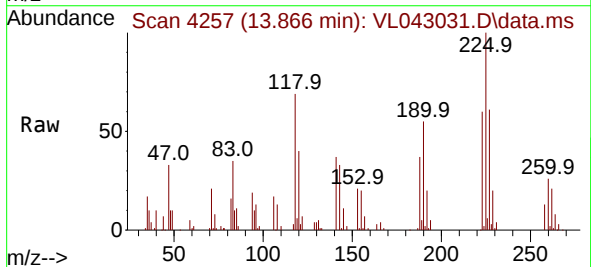
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

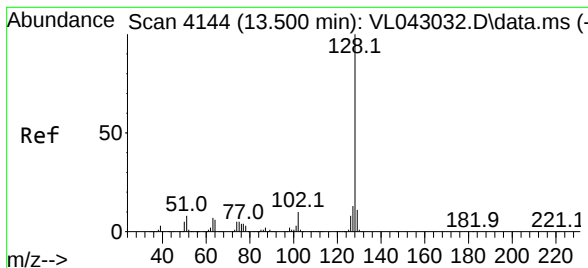
Tgt Ion:146 Resp: 19742
Ion Ratio Lower Upper
146 100
111 46.8 23.2 69.5
148 64.1 31.9 95.7



#78
Hexachloro-1,3-Butadiene
Concen: 0.500 ppbv
RT: 13.866 min Scan# 4257
Delta R.T. -0.003 min
Lab File: VL043031.D
Acq: 02 Oct 2025 09:50

Tgt Ion:225 Resp: 14174
Ion Ratio Lower Upper
225 100
223 62.7 50.9 76.3
227 63.7 50.9 76.3





#79

Naphthalene

Concen: 0.479 ppbv

RT: 13.500 min Scan# 4144

Delta R.T. 0.000 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

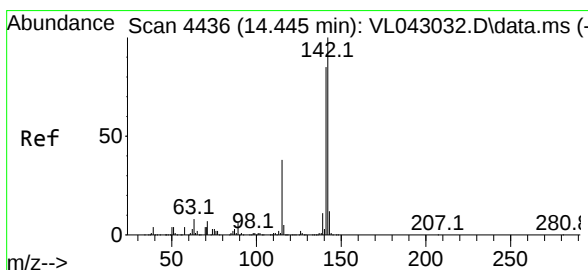
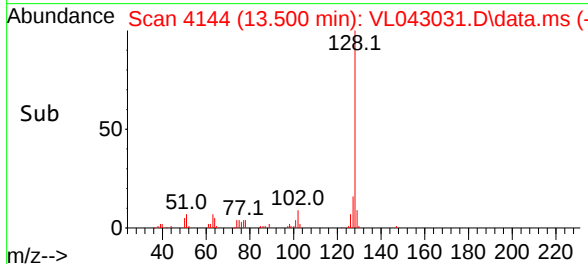
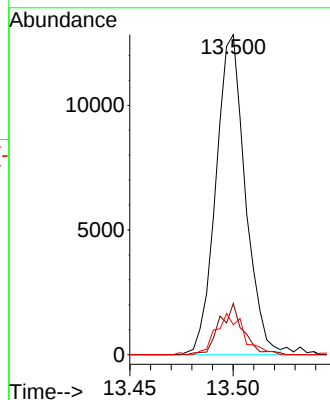
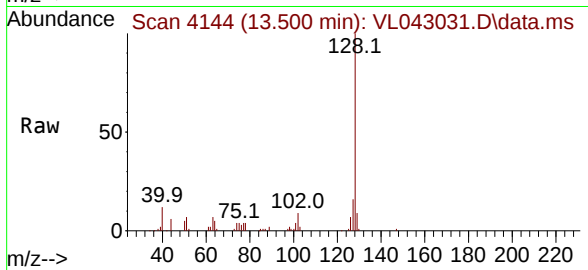
Tgt Ion:128 Resp: 12682

Ion Ratio Lower Upper

128 100

127 16.0 10.6 16.0#

129 10.4 8.8 13.2



#80

Naphthalene,2-methyl-

Concen: 1.165 ppbv

RT: 14.442 min Scan# 4435

Delta R.T. -0.003 min

Lab File: VL043031.D

Acq: 02 Oct 2025 09:50

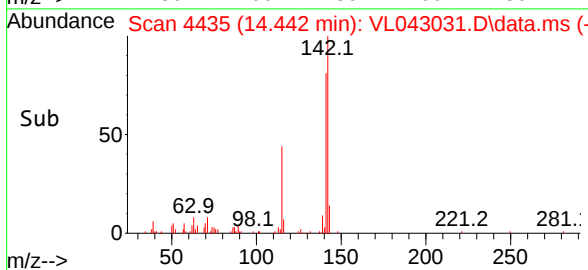
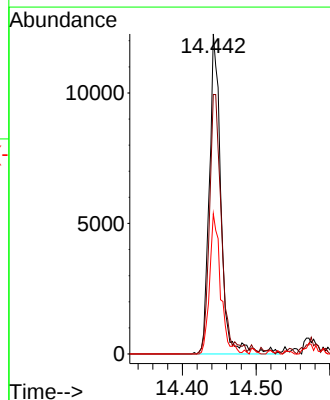
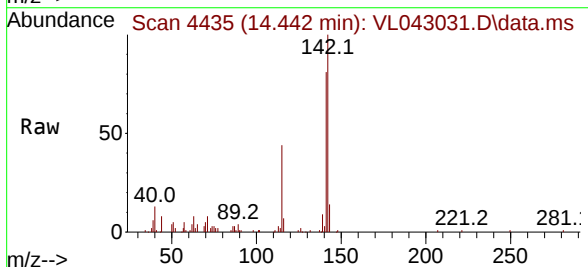
Tgt Ion:142 Resp: 13384

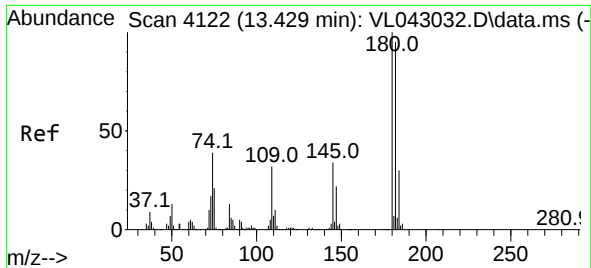
Ion Ratio Lower Upper

142 100

141 86.1 66.6 100.0

115 42.6 30.1 45.1





#81

1,2,4-Trichlorobenzene

Concen: 0.329 ppbv

RT: 13.426 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL043031.D

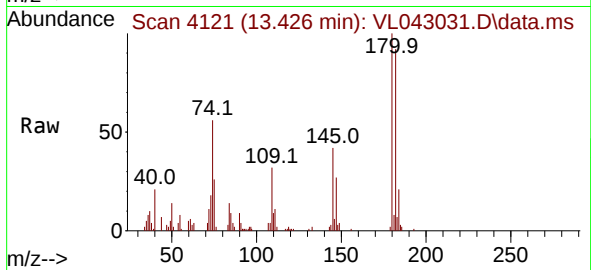
Acq: 02 Oct 2025 09:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5



Tgt Ion:180 Resp: 7952

Ion Ratio Lower Upper

180 100

182 95.0 76.9 115.3

184 29.8 23.9 35.9

