

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042181.D
 Acq On : 27 Mar 2025 14:39
 Operator : SY/MD
 Sample : VL0327ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0327ABS01

Quant Time: Mar 28 02:12:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	166105	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	483209	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	452250	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	368941	9.934	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	243063	9.911	ppbv	100
3) Chlorodifluoromethane	1.476	51	241481	9.638	ppbv	99
4) Chloromethane	1.531	50	96241	9.602	ppbv	99
5) Vinyl Chloride	1.580	62	91865	8.649	ppbv	94
6) Bromomethane	1.667	94	40361	8.886	ppbv	92
7) Chloroethane	1.703	64	37307	9.273	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	208981	10.006	ppbv	94
9) Propene	1.482	41	102862	8.957	ppbv	99
10) Heptane	4.978	43	290621	9.514	ppbv	100
11) Trichlorofluoromethane	1.877	101	232086	9.725	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.140	101	178792	9.115	ppbv	99
13) Ethanol	1.719	45	5124	4.720	ppbv	93
14) Bromoethene	1.780	108	69775	9.286	ppbv	98
15) Acetone	1.835	43	195717	8.425	ppbv	96
16) 1,3-Butadiene	1.609	39	98877	8.716	ppbv	100
17) tert-Butyl alcohol	2.039	59	266424	9.208	ppbv	98
18) 1,1-Dichloroethene	2.033	96	83339	9.088	ppbv	95
19) Isopropyl Alcohol	1.884	45	120986	9.230	ppbv	97
20) Methylene Chloride	2.062	84	69930	8.083	ppbv	96
21) Allyl Chloride	2.094	41	147810	9.022	ppbv	99
22) trans-1,2-Dichloroethene	2.340	96	96616	9.116	ppbv	99
23) Vinyl Acetate	2.463	43	94696	9.418	ppbv	96
24) 1,1-Dichloroethane	2.408	63	189793	9.661	ppbv	99
25) Ethyl Acetate	2.835	43	574442	9.528	ppbv	99
26) Hexane	2.826	57	224704	9.649	ppbv	98
27) Carbon Disulfide	2.149	76	230410	9.226	ppbv #	94
28) Methyl tert-Butyl Ether	2.441	73	149961	10.342	ppbv	95
29) Chloroform	2.848	83	336404	9.870	ppbv	96
30) Cyclohexane	3.855	84	194220	9.604	ppbv	98
31) cis-1,2-Dichloroethene	2.719	61	231151	9.777	ppbv	97
32) 1,1,1-Trichloroethane	3.366	97	359860	9.223	ppbv	99
34) 2-Butanone	2.557	43	320843	9.157	ppbv	100
35) Carbon Tetrachloride	3.761	117	361037	9.565	ppbv	99
36) Benzene	3.658	78	452718	9.450	ppbv	98
37) 1,2-Dichloroethane	3.217	62	277247	10.109	ppbv	98
38) Trichloroethene	4.548	130	187209	9.366	ppbv	98
39) 1,2-Dichloropropane	4.315	63	164374	9.422	ppbv	95
40) 1,4-Dioxane	4.583	88	82012	8.857	ppbv #	92
41) Tetrahydrofuran	3.052	42	188907	9.362	ppbv	99
42) Bromodichloromethane	4.489	83	377092	9.974	ppbv	98
43) Methyl Methacrylate	4.881	69	190156	9.377	ppbv	100
44) 2,2,4-Trimethylpentane	4.638	57	769803	9.509	ppbv	99
45) t-1,3-Dichloropropene	6.415	75	204004	9.376	ppbv	98

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 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

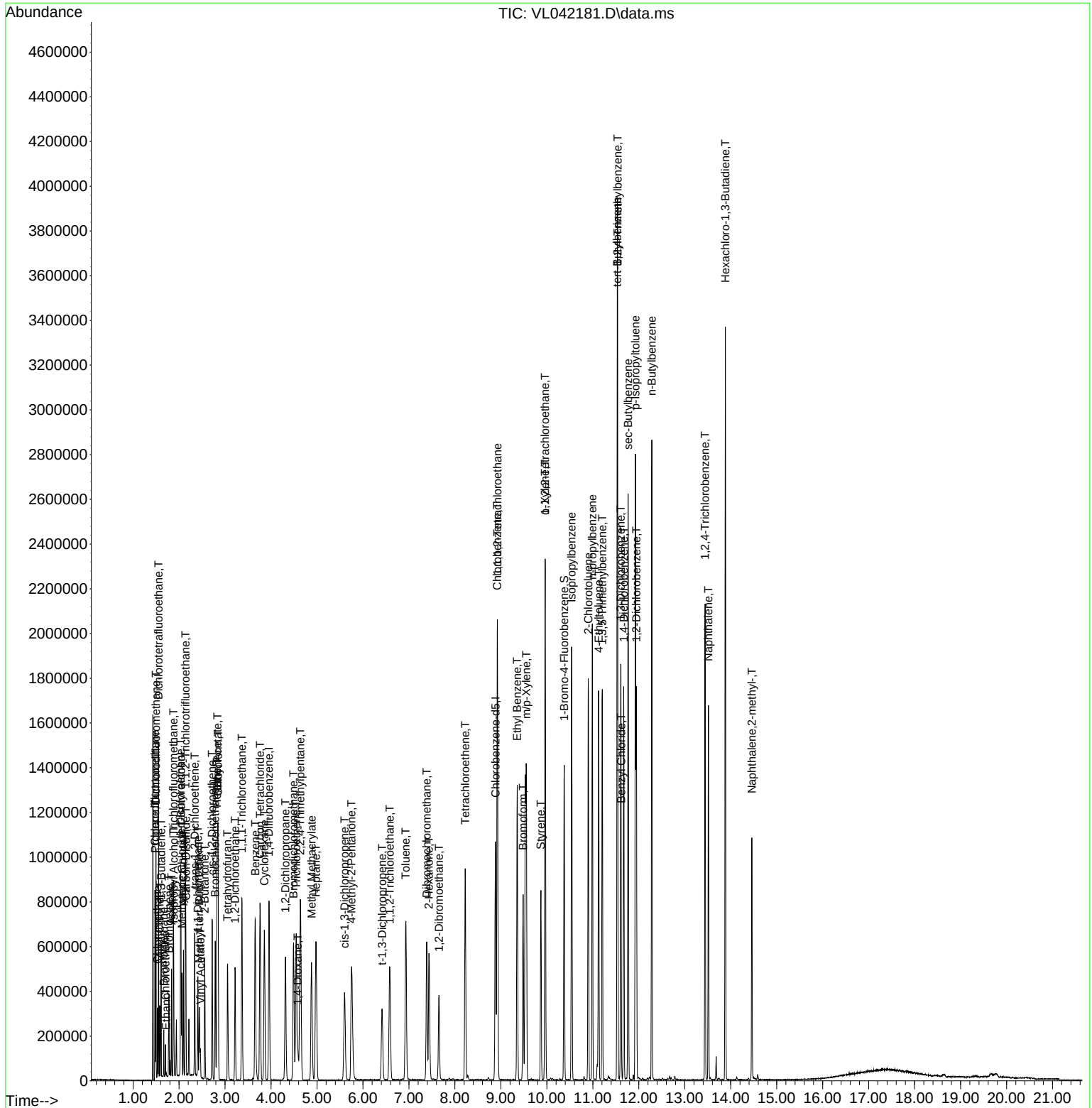
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 ClientSampleId :
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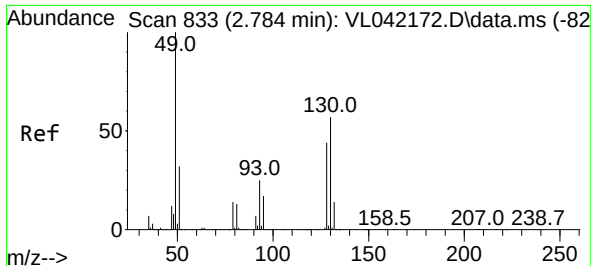
Quant Time: Mar 28 02:12:34 2025
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.599	75	251694	9.437	ppbv	97
47) 1,1,2-Trichloroethane	6.583	97	175509	9.517	ppbv	99
48) Dibromochloromethane	7.386	129	310158	9.923	ppbv	99
49) Bromoform	9.483	173	279382	9.957	ppbv	99
50) 4-Methyl-2-Pentanone	5.748	43	481919	8.679	ppbv	98
51) 2-Hexanone	7.435	43	395520	8.674	ppbv	99
52) Tetrachloroethene	8.224	164	167015	8.791	ppbv	95
53) Toluene	6.930	91	540612	9.520	ppbv	99
54) 1,2-Dibromoethane	7.655	107	246519	9.589	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.924	131	240905	9.677	ppbv	96
57) Chlorobenzene	8.920	112	407816	9.507	ppbv	98
58) Ethyl Benzene	9.354	91	769818	9.583	ppbv	97
59) m/p-Xylene	9.551	91	574799	8.961	ppbv #	23
60) o-Xylene	9.962	91	612011	9.518	ppbv	98
61) Styrene	9.869	104	306658	9.639	ppbv	99
62) Isopropylbenzene	10.539	105	923163	9.600	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.962	83	370486	9.483	ppbv	99
64) n-propylbenzene	10.989	120	239652	9.682	ppbv	98
65) tert-Butylbenzene	11.532	119	828438	9.315	ppbv	98
66) Benzyl Chloride	11.616	91	81404	8.627	ppbv	98
67) sec-Butylbenzene	11.769	105	1155378	9.347	ppbv	99
69) p-Isopropyltoluene	11.927	119	1011573	9.503	ppbv	99
70) n-Butylbenzene	12.283	91	1022935	9.397	ppbv	99
71) 2-Chlorotoluene	10.901	91	713648	9.562	ppbv	98
72) 4-Ethyltoluene	11.128	105	766720	9.576	ppbv	100
73) 1,3,5-Trimethylbenzene	11.205	105	660905	9.451	ppbv	99
74) 1,2,4-Trimethylbenzene	11.539	105	718683	8.921	ppbv	97
75) 1,3-Dichlorobenzene	11.610	146	415378	9.401	ppbv	100
76) 1,4-Dichlorobenzene	11.671	146	418670	9.521	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	401634	9.336	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	346566	7.914	ppbv	100
79) Naphthalene	13.513	128	762976	8.659	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	308264	7.134	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	356193	8.764	ppbv	99

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
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QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

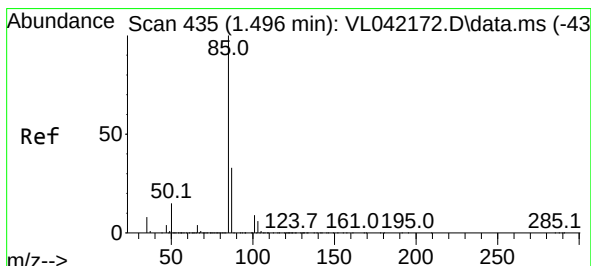
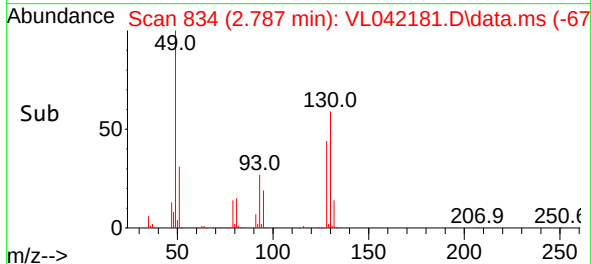
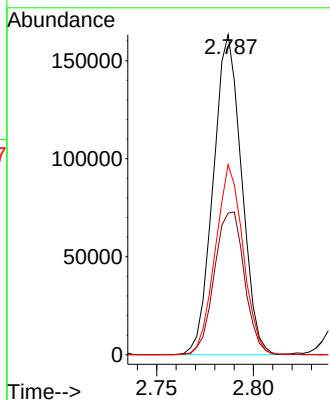
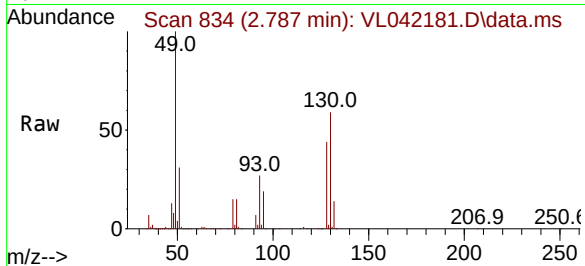




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.787 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VL042181.D
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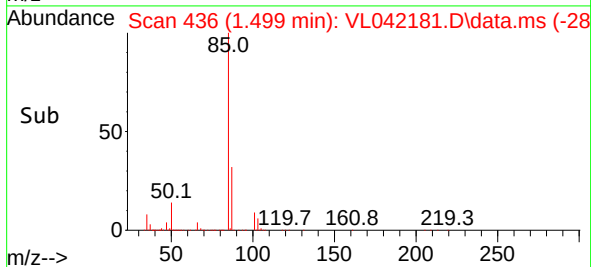
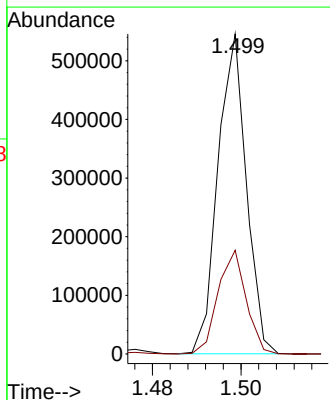
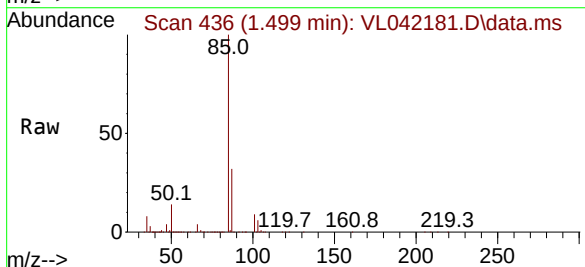
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0327ABS01

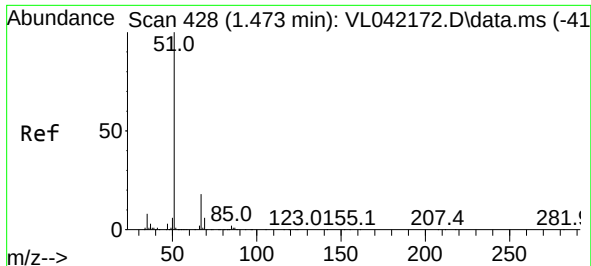
Tgt Ion: 49 Resp: 166105
 Ion Ratio Lower Upper
 49 100
 128 47.4 22.9 68.5
 130 58.3 28.8 86.4



#2
 Dichlorodifluoromethane
 Concen: 9.911 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. 0.003 min
 Lab File: VL042181.D
 Acq: 27 Mar 2025 14:39

Tgt Ion: 85 Resp: 243063
 Ion Ratio Lower Upper
 85 100
 87 32.4 26.1 39.1

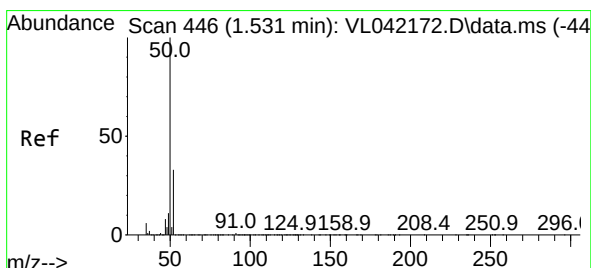
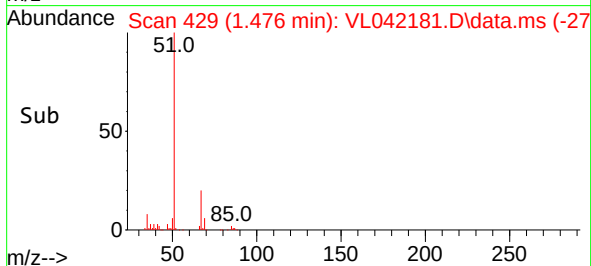
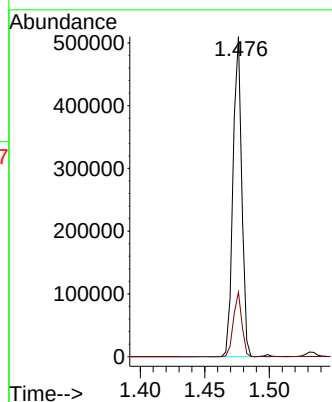
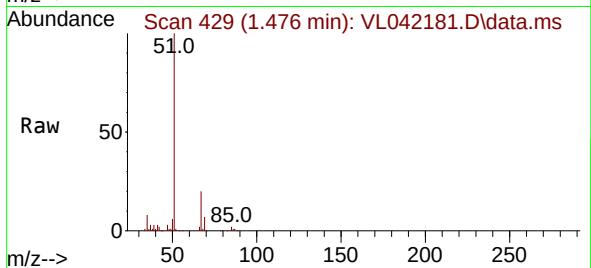




#3
Chlorodifluoromethane
Concen: 9.638 ppbv
RT: 1.476 min Scan# 428
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

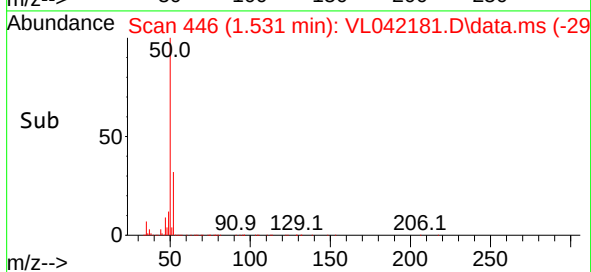
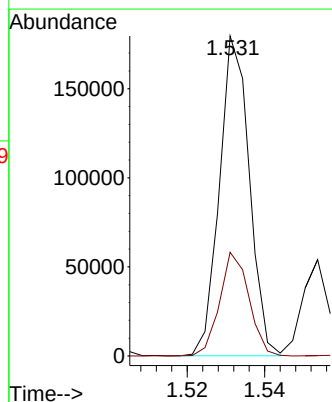
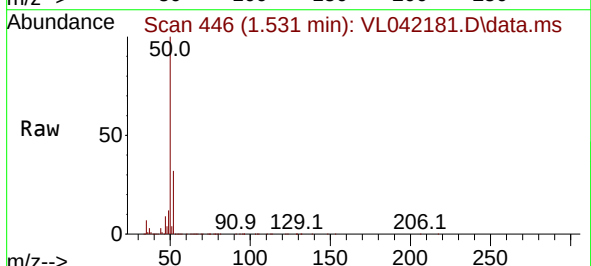
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ClientSampleId :
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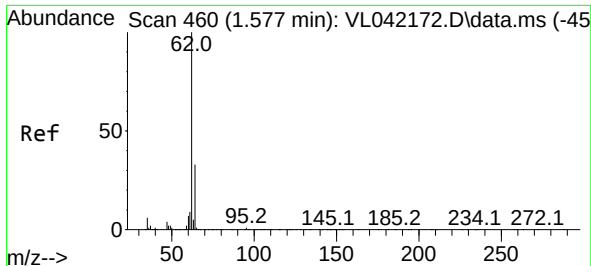
Tgt Ion: 51 Resp: 241481
Ion Ratio Lower Upper
51 100
67 19.4 15.0 22.6



#4
Chloromethane
Concen: 9.602 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Tgt Ion: 50 Resp: 96241
Ion Ratio Lower Upper
50 100
52 32.2 26.1 39.1

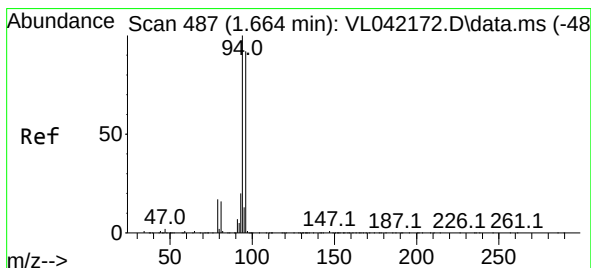
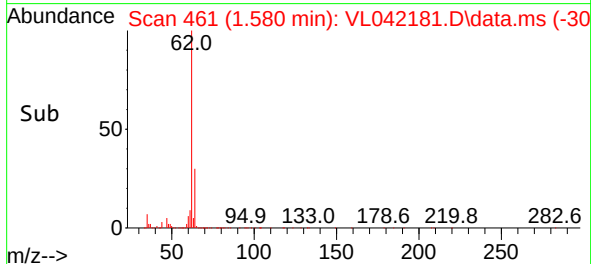
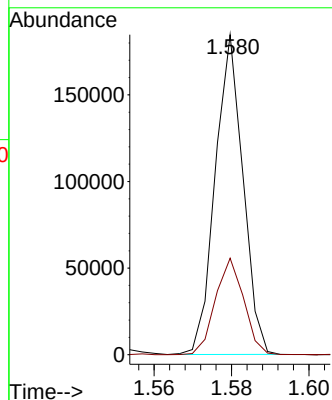
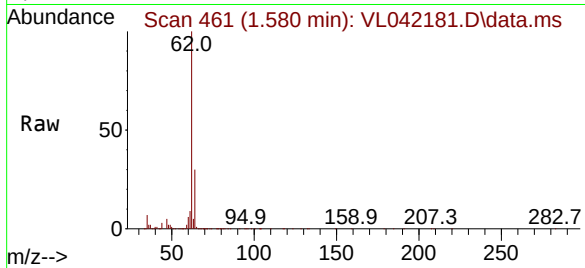




#5
 Vinyl Chloride
 Concen: 8.649 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042181.D
 Acq: 27 Mar 2025 14:39

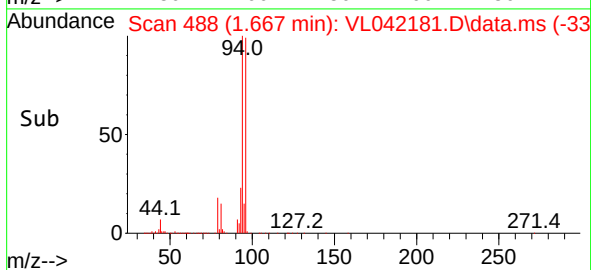
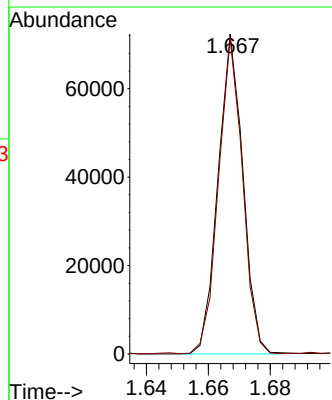
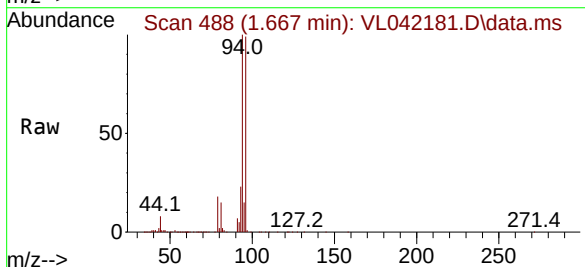
Instrument :
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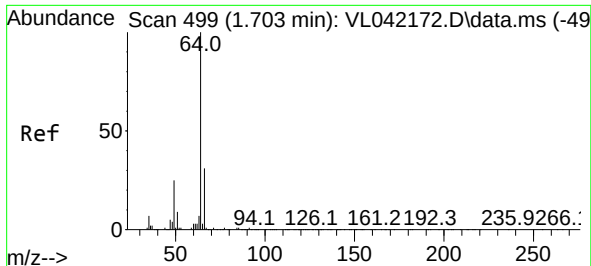
Tgt Ion: 62 Resp: 91865
 Ion Ratio Lower Upper
 62 100
 64 30.2 26.6 40.0



#6
 Bromomethane
 Concen: 8.886 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL042181.D
 Acq: 27 Mar 2025 14:39

Tgt Ion: 94 Resp: 40361
 Ion Ratio Lower Upper
 94 100
 96 98.7 73.1 109.7

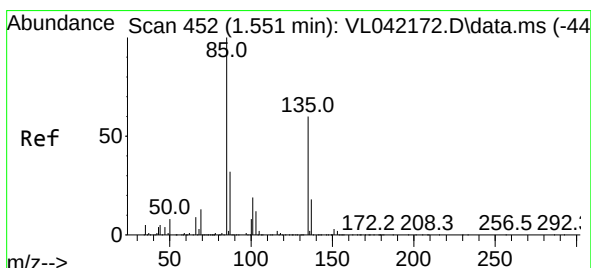
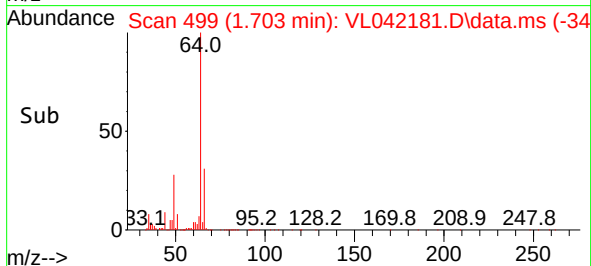
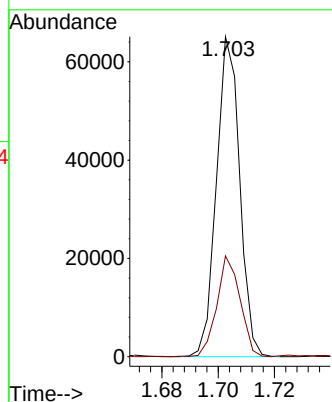
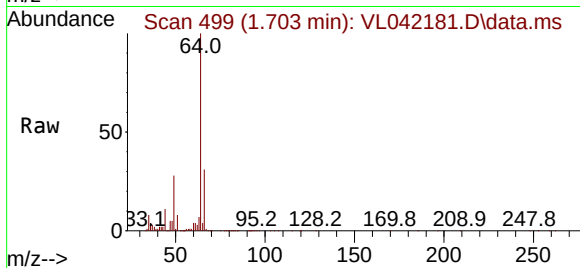




#7
Chloroethane
Concen: 9.273 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

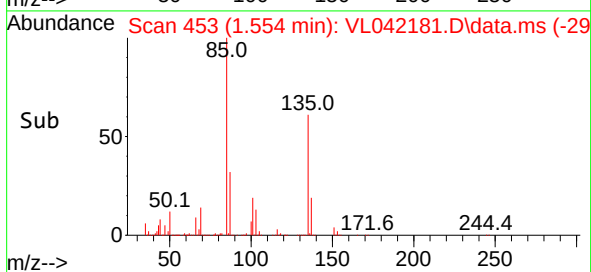
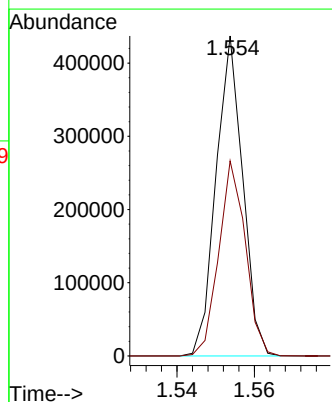
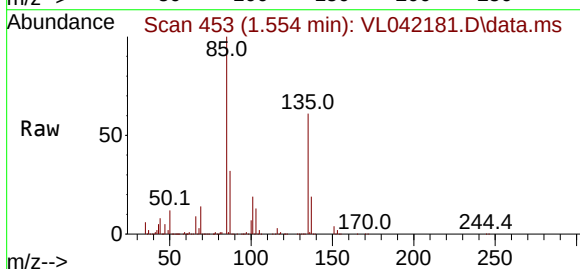
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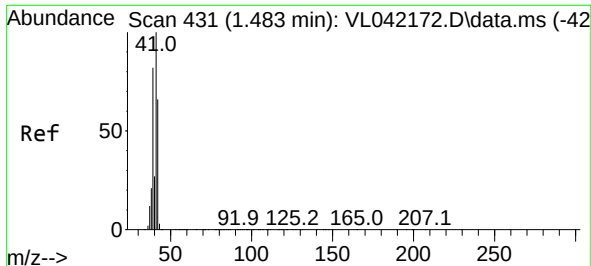
Tgt Ion: 64 Resp: 37307
Ion Ratio Lower Upper
64 100
66 31.5 25.2 37.8



#8
Dichlorotetrafluoroethane
Concen: 10.006 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Tgt Ion: 85 Resp: 208981
Ion Ratio Lower Upper
85 100
135 61.1 52.4 78.6





#9

Propene

Concen: 8.957 ppbv

RT: 1.482 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_1

ClientSampleId :

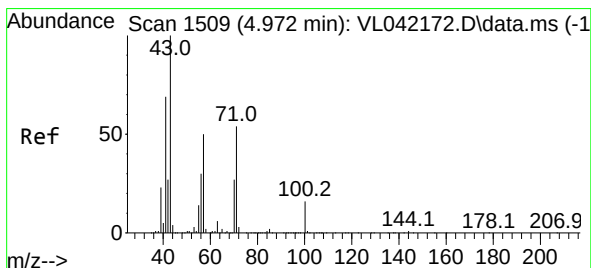
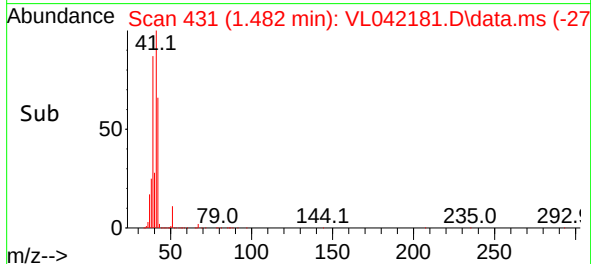
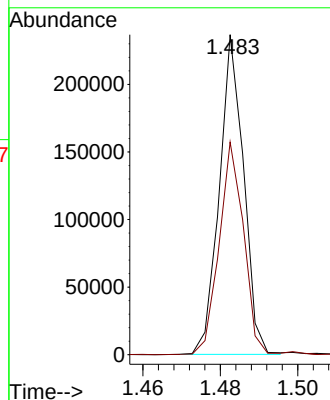
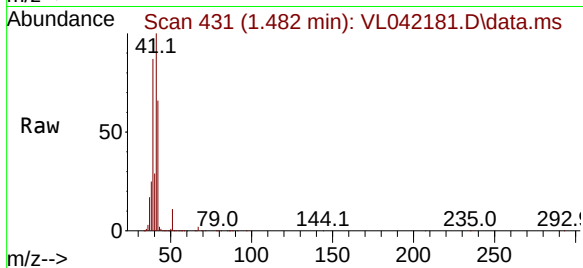
VL0327ABS01

Tgt Ion: 41 Resp: 102862

Ion Ratio Lower Upper

41 100

42 68.5 55.4 83.2



#10

Heptane

Concen: 9.514 ppbv

RT: 4.978 min Scan# 1511

Delta R.T. 0.006 min

Lab File: VL042181.D

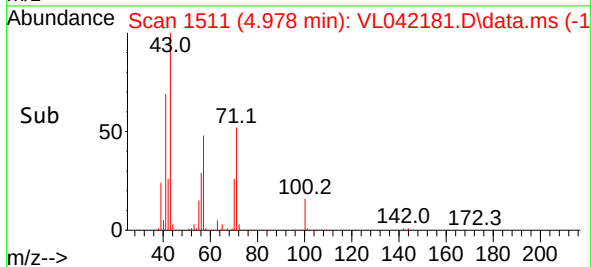
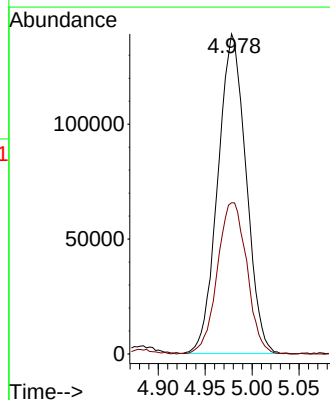
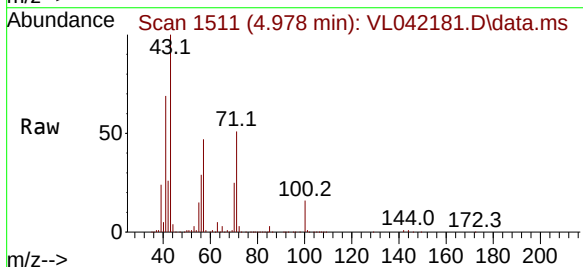
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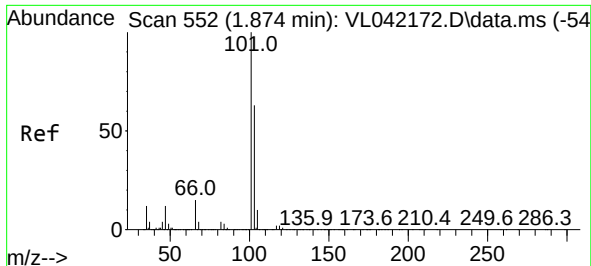
Tgt Ion: 43 Resp: 290621

Ion Ratio Lower Upper

43 100

57 49.6 39.4 59.2

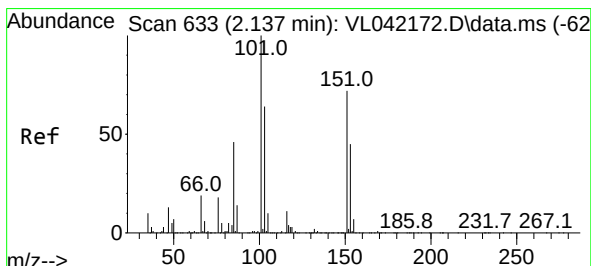
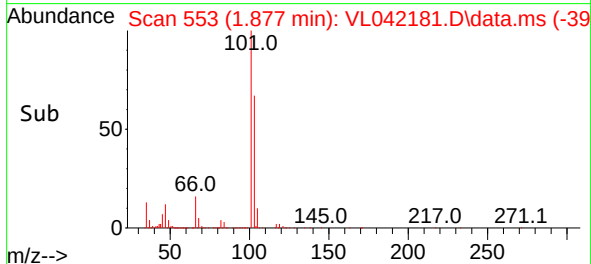
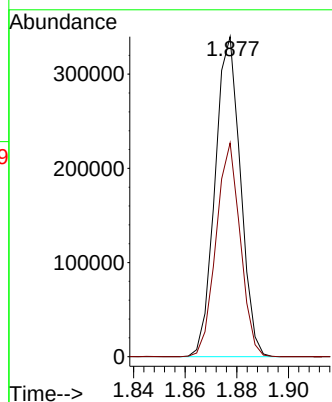
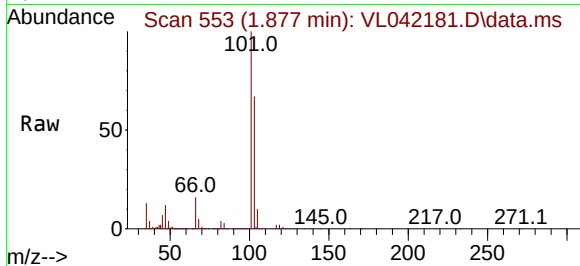




#11
 Trichlorofluoromethane
 Concen: 9.725 ppbv
 RT: 1.877 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VL042181.D
 Acq: 27 Mar 2025 14:39

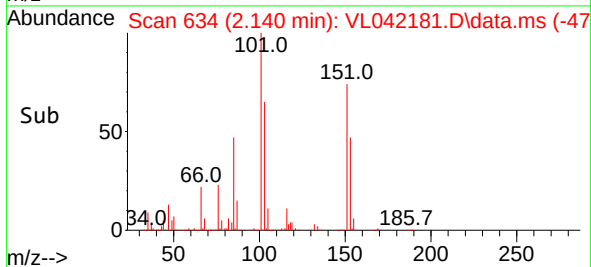
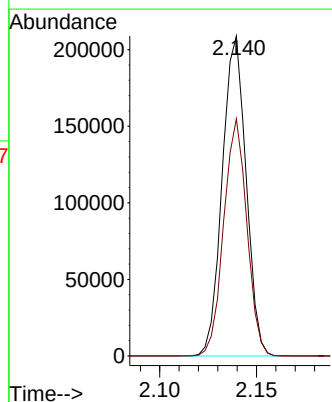
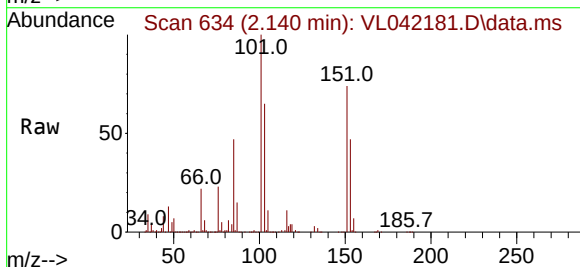
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0327ABS01

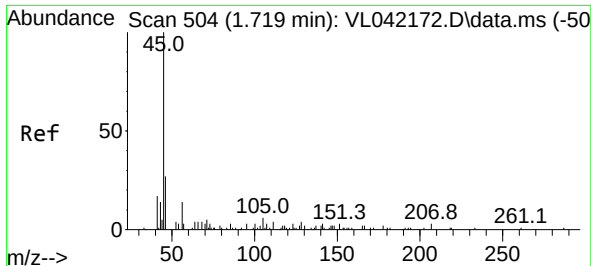
Tgt Ion:101 Resp: 232086
 Ion Ratio Lower Upper
 101 100
 103 66.8 50.2 75.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.115 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.003 min
 Lab File: VL042181.D
 Acq: 27 Mar 2025 14:39

Tgt Ion:101 Resp: 178792
 Ion Ratio Lower Upper
 101 100
 151 71.9 57.1 85.7

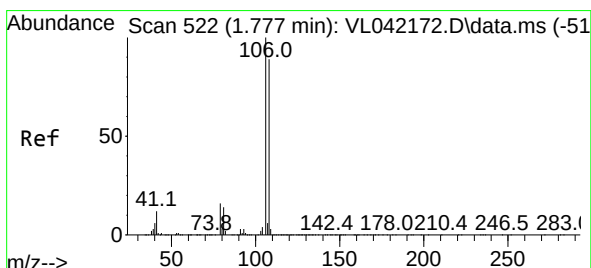
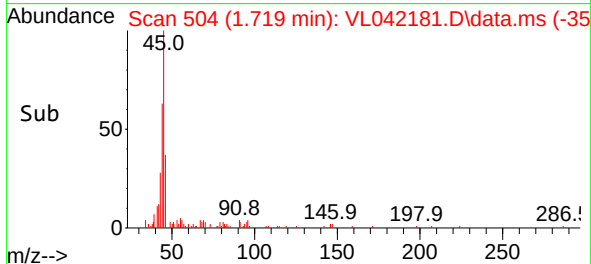
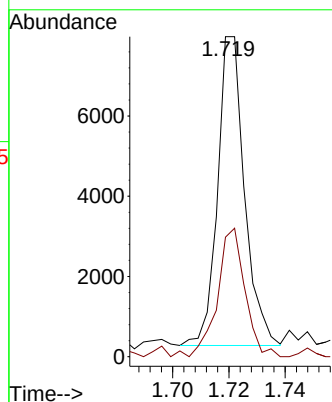
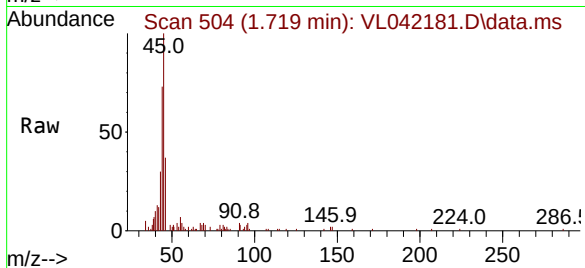




#13
Ethanol
Concen: 4.720 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

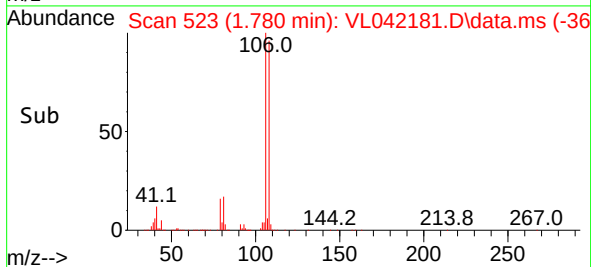
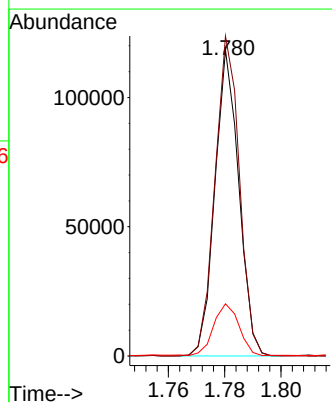
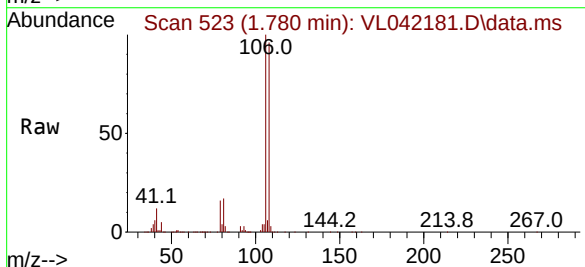
Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01

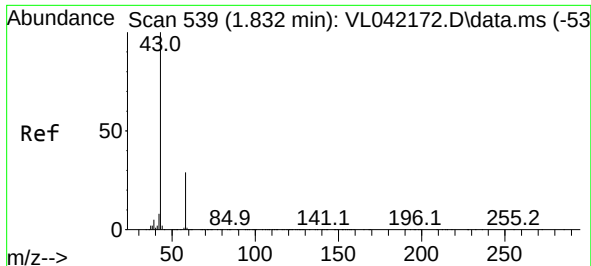
Tgt Ion: 45 Resp: 5124
Ion Ratio Lower Upper
45 100
46 45.5 20.2 80.8



#14
Bromoethene
Concen: 9.286 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Tgt Ion: 108 Resp: 69775
Ion Ratio Lower Upper
108 100
106 106.9 86.8 130.2
79 18.1 15.0 22.6





#15

Acetone

Concen: 8.425 ppbv

RT: 1.835 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_L

ClientSampleId :

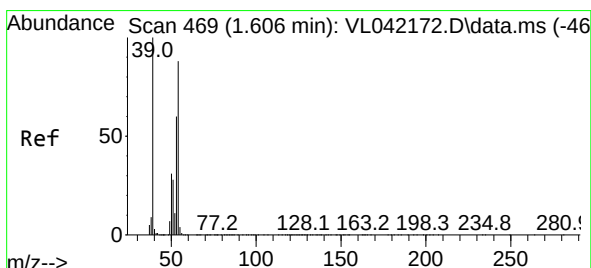
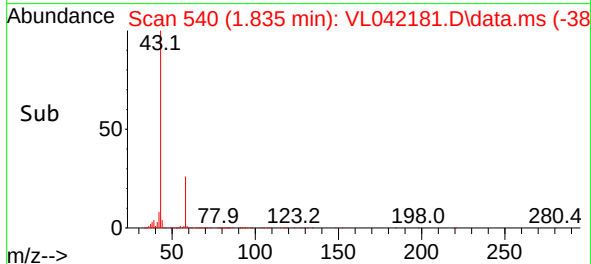
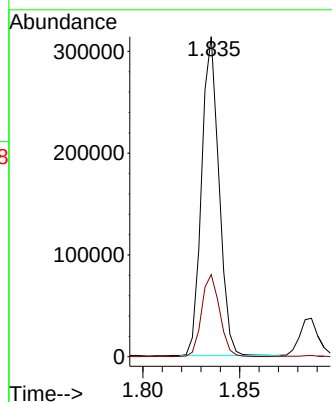
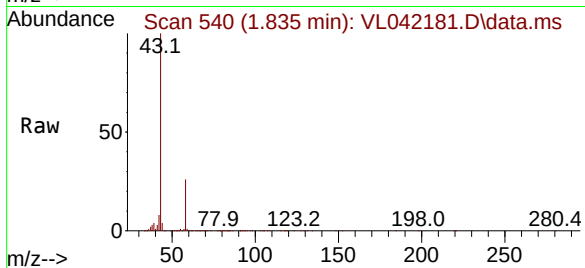
VL0327ABS01

Tgt Ion: 43 Resp: 195717

Ion Ratio Lower Upper

43 100

58 27.1 23.2 34.8



#16

1,3-Butadiene

Concen: 8.716 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.003 min

Lab File: VL042181.D

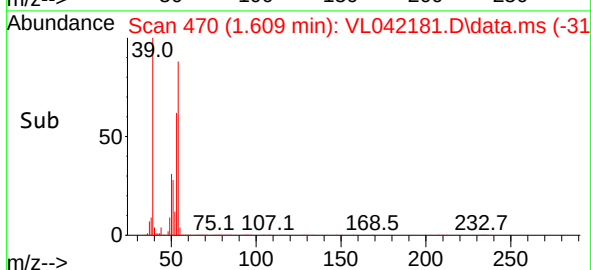
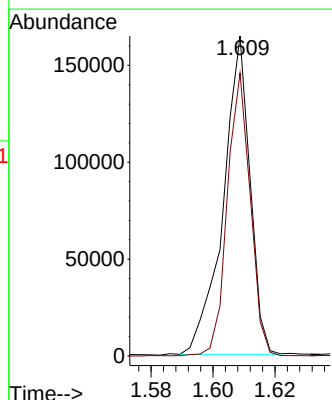
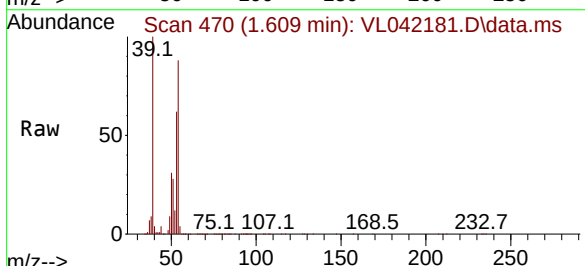
Acq: 27 Mar 2025 14:39

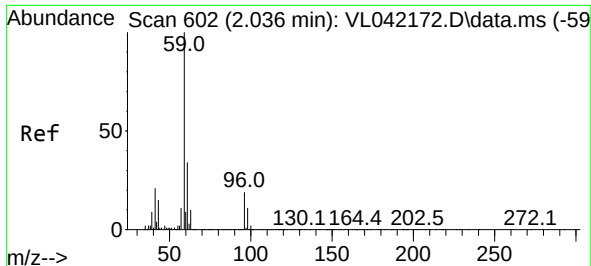
Tgt Ion: 39 Resp: 98877

Ion Ratio Lower Upper

39 100

54 76.1 60.7 91.1





#17

tert-Butyl alcohol

Concen: 9.208 ppbv

RT: 2.039 min Scan# 60

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_L

ClientSampleId :

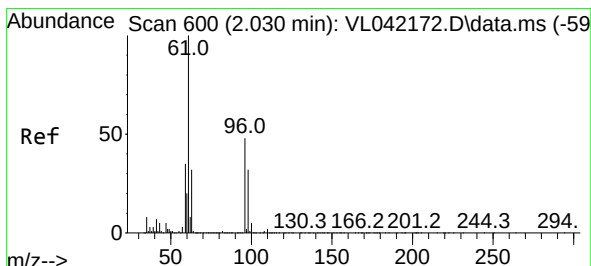
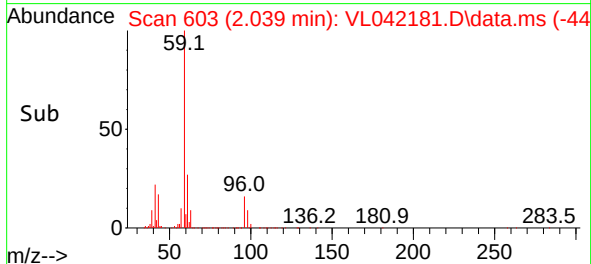
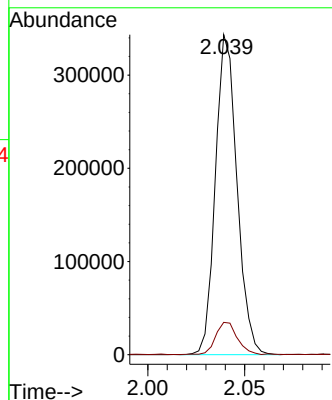
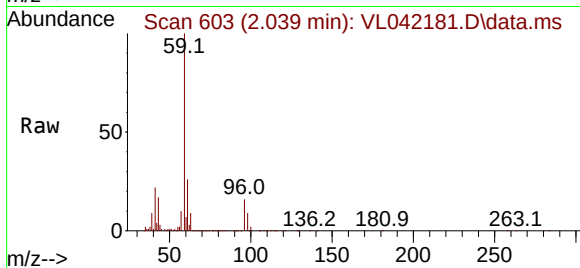
VL0327ABS01

Tgt Ion: 59 Resp: 266424

Ion Ratio Lower Upper

59 100

57 10.3 8.9 13.3



#18

1,1-Dichloroethene

Concen: 9.088 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

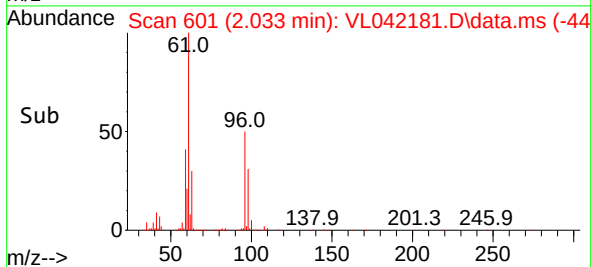
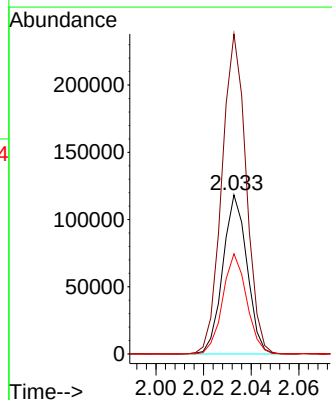
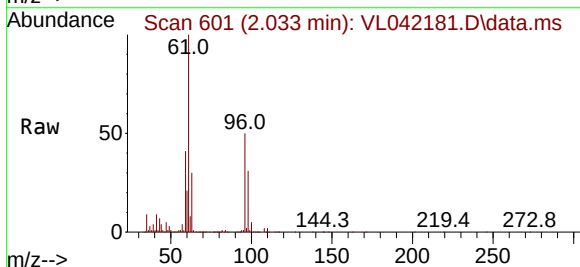
Tgt Ion: 96 Resp: 83339

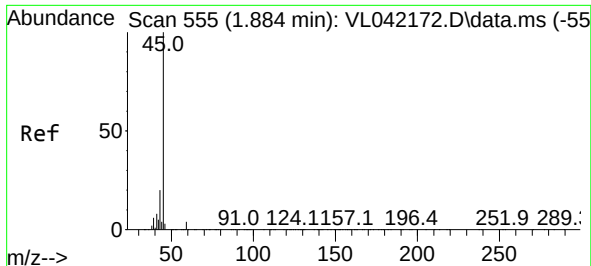
Ion Ratio Lower Upper

96 100

61 201.2 167.6 251.4

98 62.9 53.5 80.3

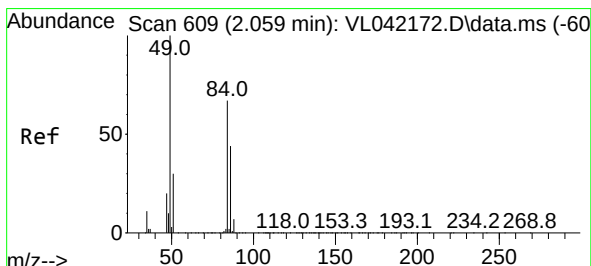
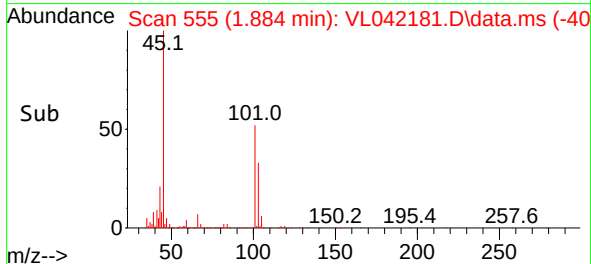
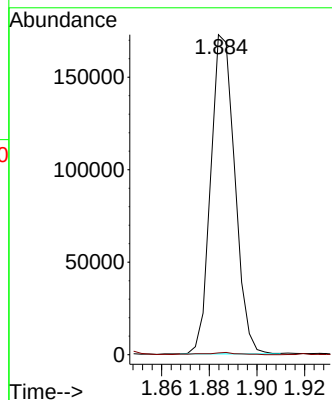
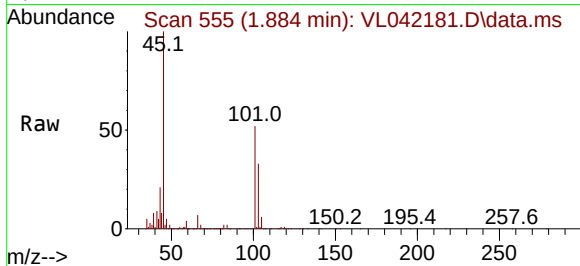




#19
Isopropyl Alcohol
Concen: 9.230 ppbv
RT: 1.884 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

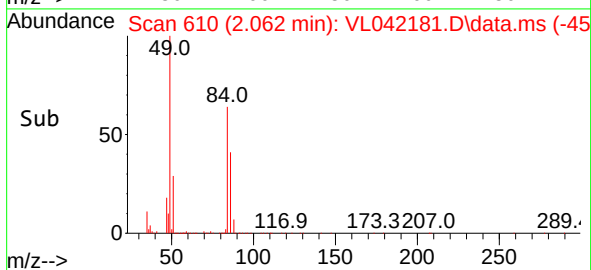
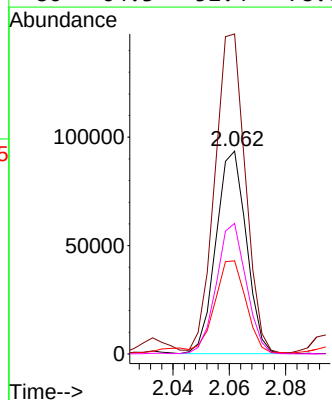
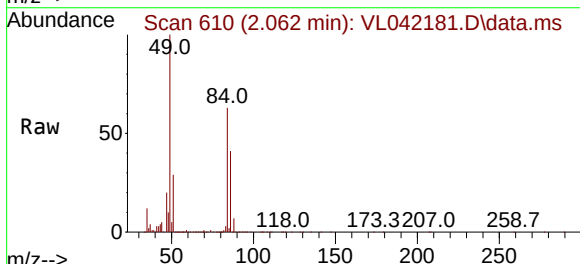
Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01

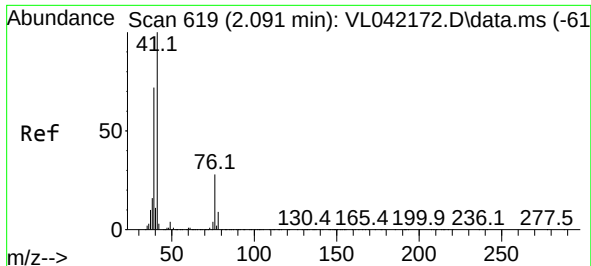
Tgt Ion: 45 Resp: 120986
Ion Ratio Lower Upper
45 100
58 43.8 36.9 55.3



#20
Methylene Chloride
Concen: 8.083 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Tgt Ion: 84 Resp: 69930
Ion Ratio Lower Upper
84 100
49 157.4 120.2 180.4
51 45.2 37.4 56.0
86 64.3 52.4 78.6

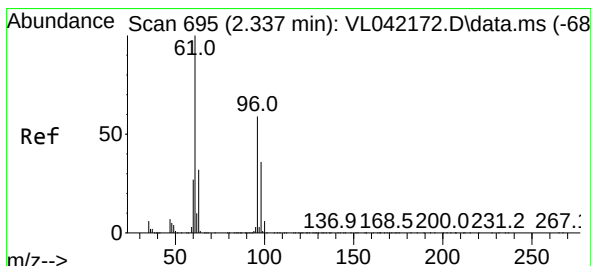
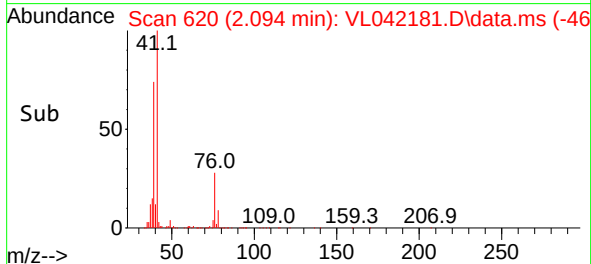
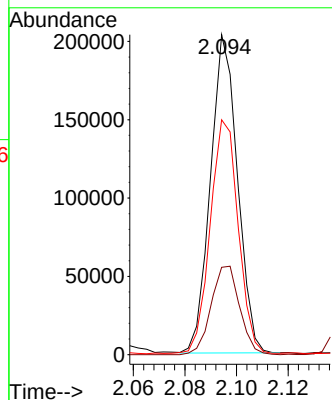
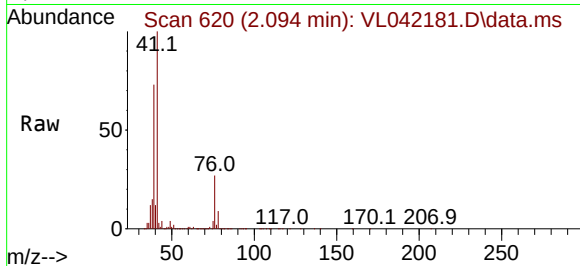




#21
 Allyl Chloride
 Concen: 9.022 ppbv
 RT: 2.094 min Scan# 619
 Delta R.T. 0.003 min
 Lab File: VL042181.D
 Acq: 27 Mar 2025 14:39

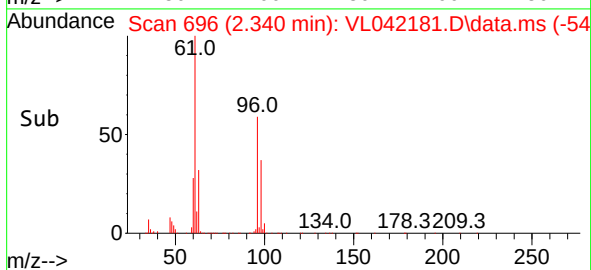
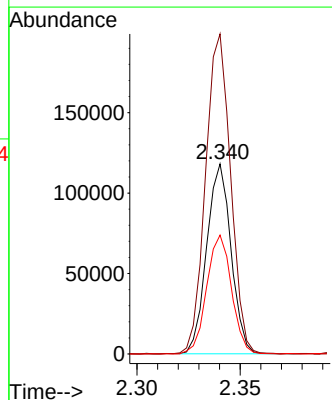
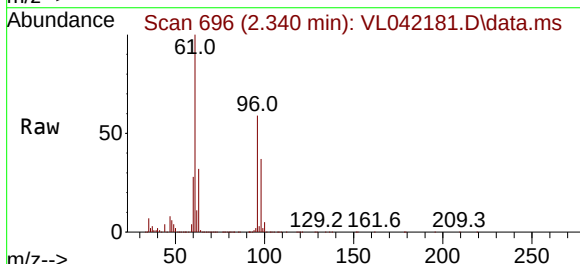
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0327ABS01

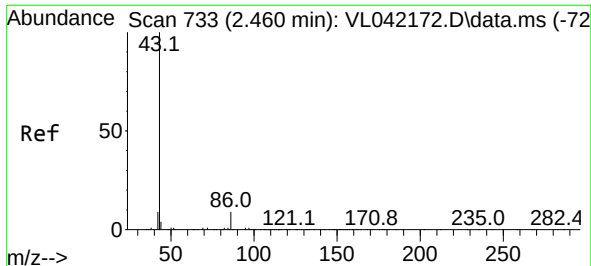
Tgt Ion: 41 Resp: 147810
 Ion Ratio Lower Upper
 41 100
 76 29.4 24.1 36.1
 39 76.2 61.1 91.7



#22
 trans-1,2-Dichloroethene
 Concen: 9.116 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. 0.003 min
 Lab File: VL042181.D
 Acq: 27 Mar 2025 14:39

Tgt Ion: 96 Resp: 96616
 Ion Ratio Lower Upper
 96 100
 61 168.4 136.6 204.8
 98 62.5 49.4 74.2

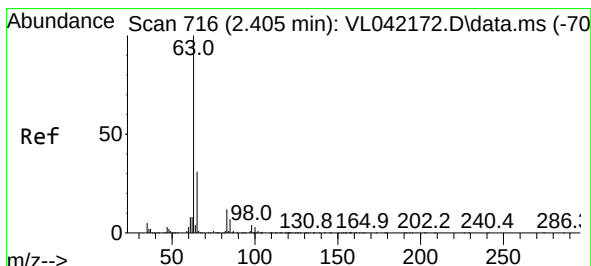
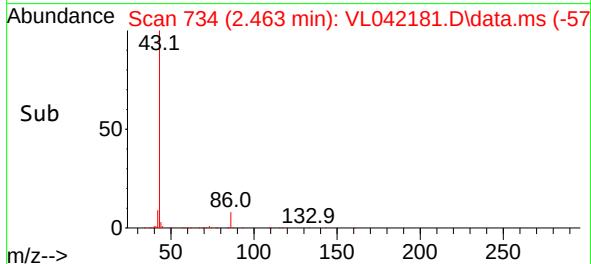
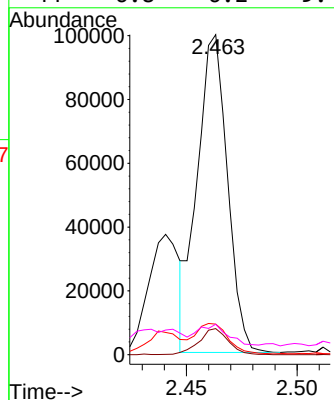
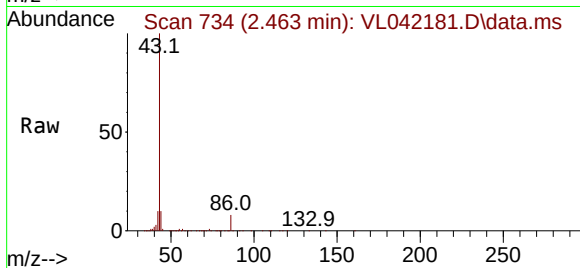




#23
 Vinyl Acetate
 Concen: 9.418 ppbv
 RT: 2.463 min Scan# 716
 Delta R.T. 0.003 min
 Lab File: VL042181.D
 Acq: 27 Mar 2025 14:39

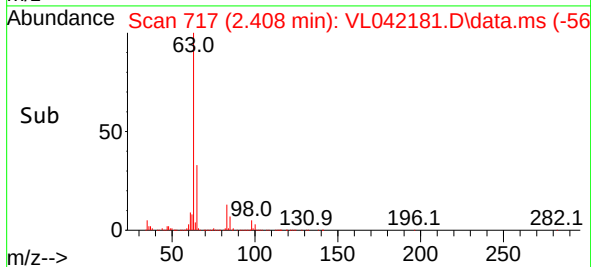
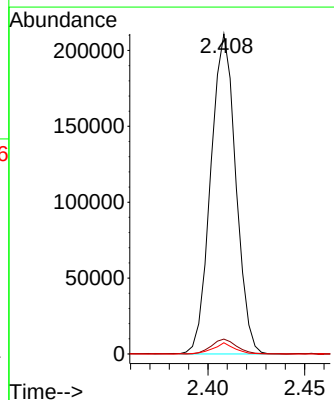
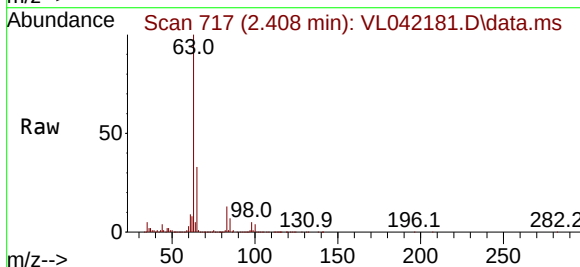
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0327ABS01

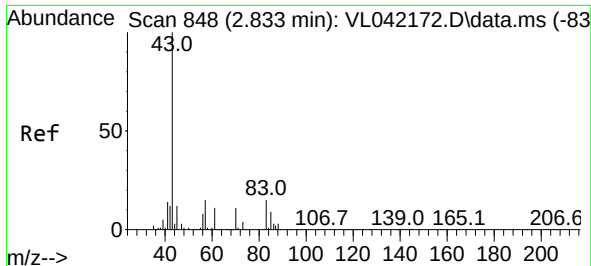
Tgt Ion:	43	Resp:	94696
Ion	Ratio	Lower	Upper
43	100		
86	8.2	5.5	8.3
42	9.2	8.6	13.0
44	6.8	6.2	9.4



#24
 1,1-Dichloroethane
 Concen: 9.661 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL042181.D
 Acq: 27 Mar 2025 14:39

Tgt Ion:	63	Resp:	189793
Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.3	6.8
100	3.5	1.6	4.7



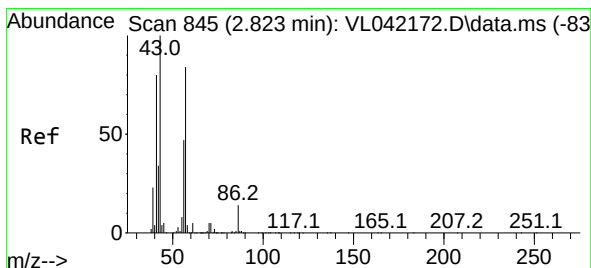
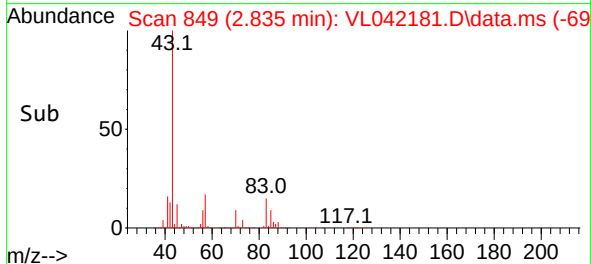
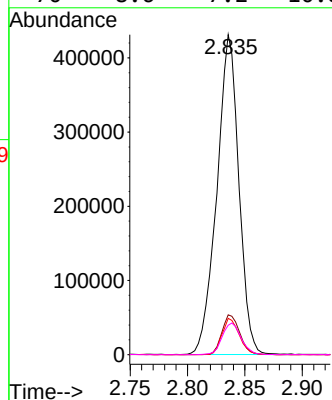
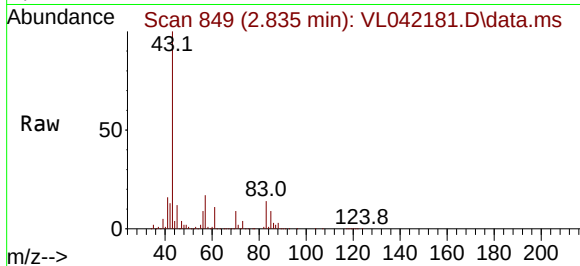


#25
Ethyl Acetate
Concen: 9.528 ppbv
RT: 2.835 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01

Tgt Ion: 43 Resp: 574442

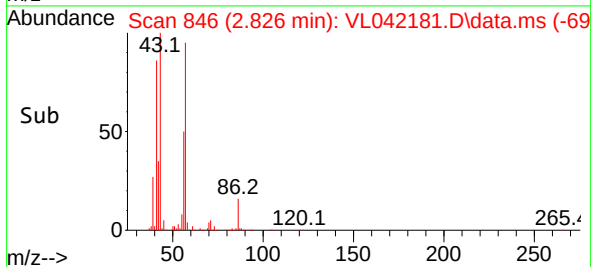
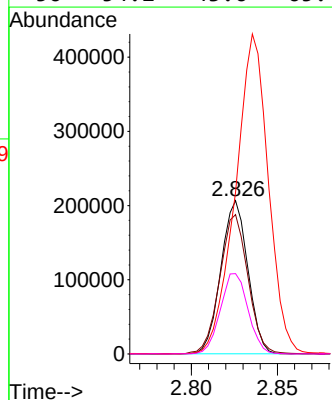
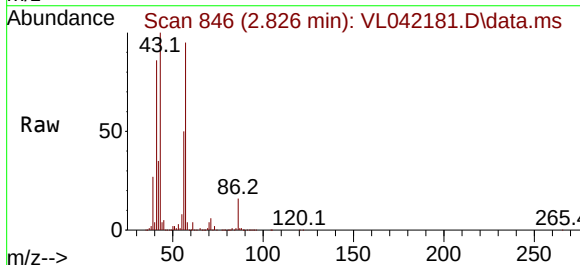
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.2
61	9.0	7.3	10.9
70	8.6	7.2	10.8

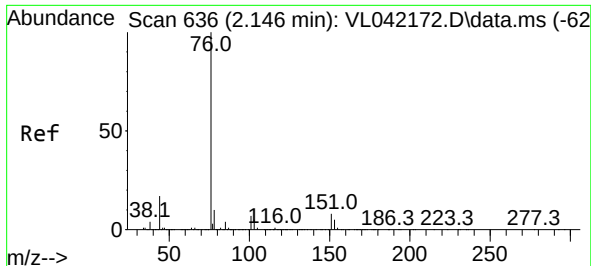


#26
Hexane
Concen: 9.649 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Tgt Ion: 57 Resp: 224704

Ion	Ratio	Lower	Upper
57	100		
41	95.3	76.6	114.8
43	255.9	207.8	311.8
56	54.2	43.6	65.4

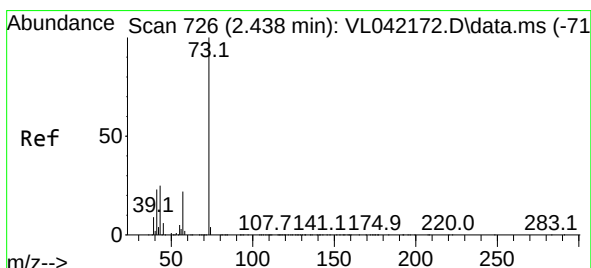
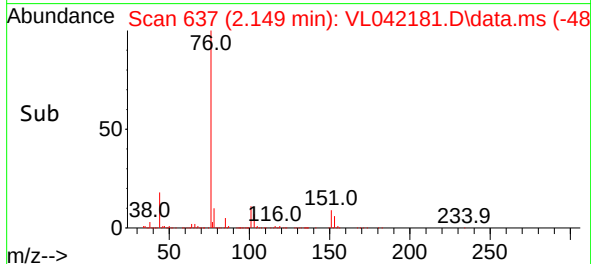
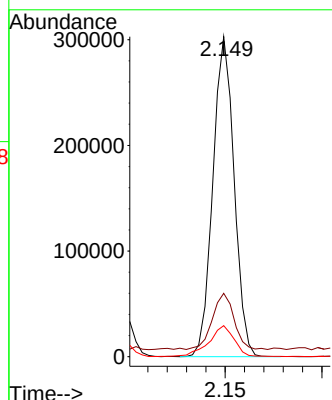
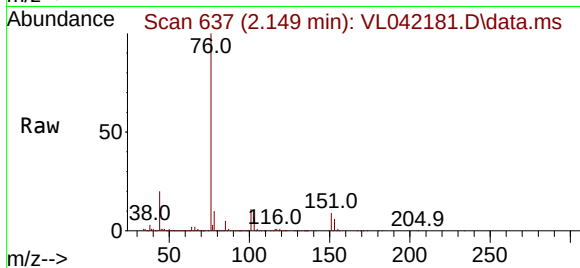




#27
Carbon Disulfide
Concen: 9.226 ppbv
RT: 2.149 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

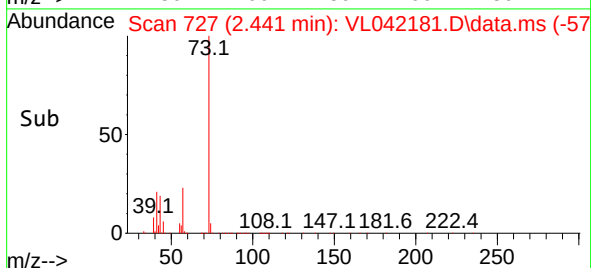
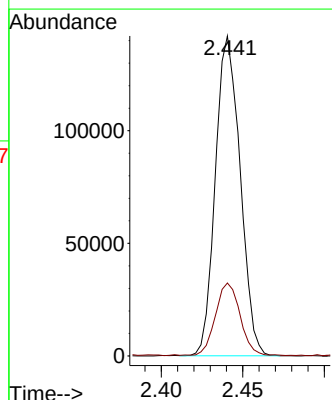
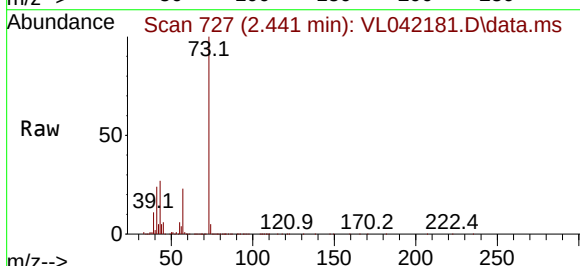
Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01

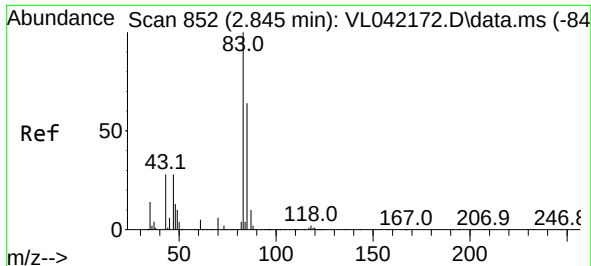
Tgt Ion: 76 Resp: 230410
Ion Ratio Lower Upper
76 100
44 22.5 14.7 22.1#
78 11.5 9.3 13.9



#28
Methyl tert-Butyl Ether
Concen: 10.342 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Tgt Ion: 73 Resp: 149961
Ion Ratio Lower Upper
73 100
57 23.0 20.5 30.7

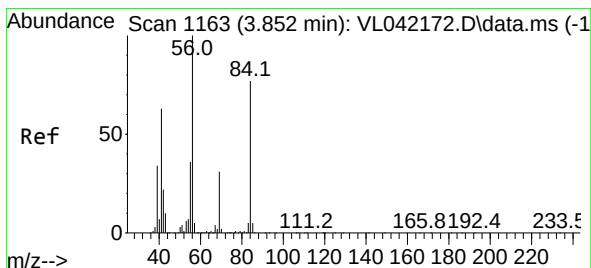
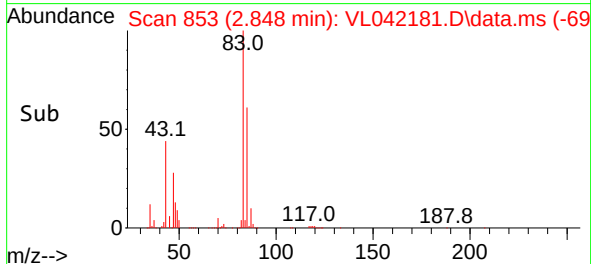
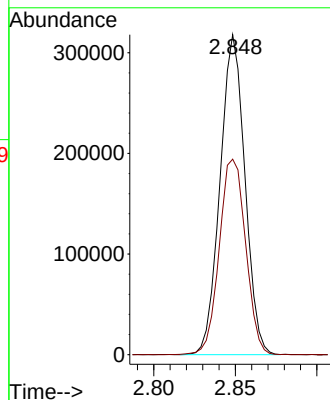
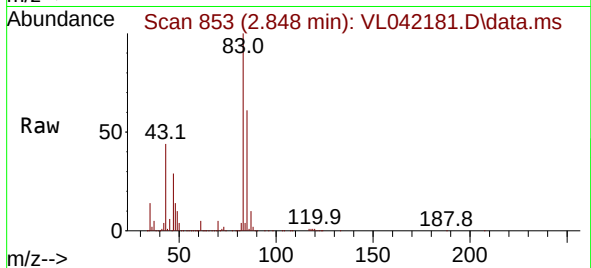




#29
Chloroform
Concen: 9.870 ppbv
RT: 2.848 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

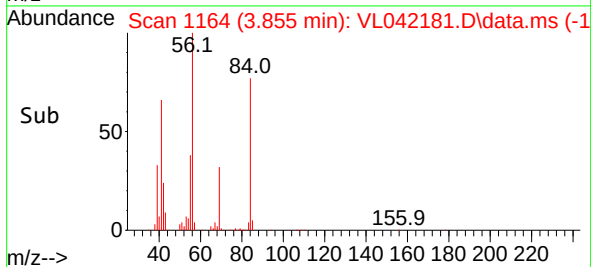
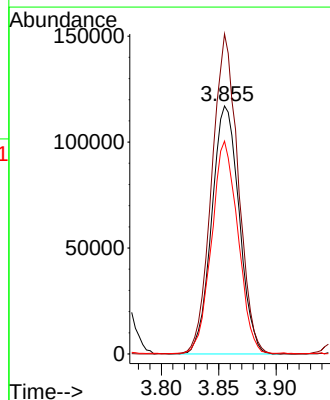
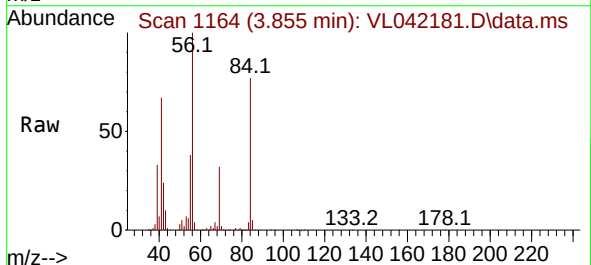
Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01

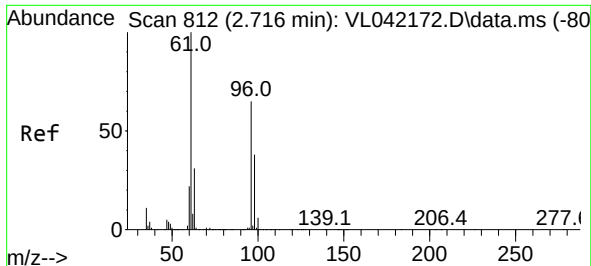
Tgt Ion: 83 Resp: 336404
Ion Ratio Lower Upper
83 100
85 61.0 51.4 77.2



#30
Cyclohexane
Concen: 9.604 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Tgt Ion: 84 Resp: 194220
Ion Ratio Lower Upper
84 100
56 124.4 102.8 154.2
41 82.7 66.5 99.7

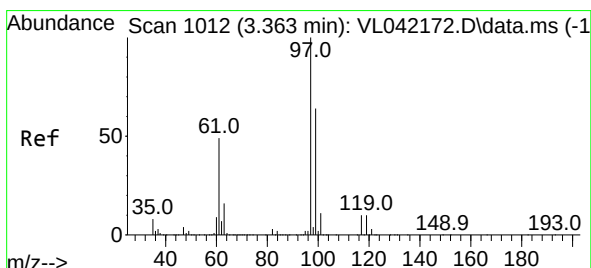
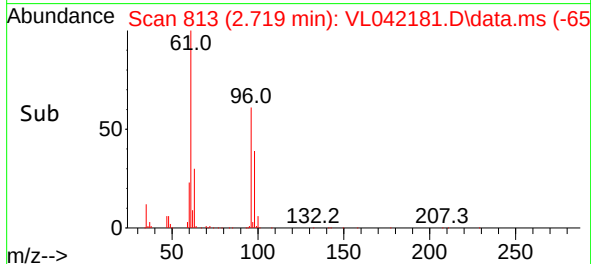
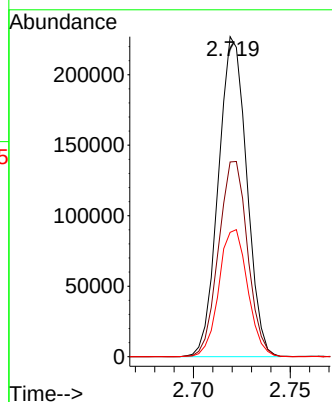
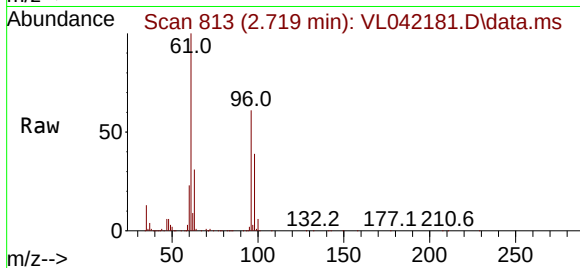




#31
 cis-1,2-Dichloroethene
 Concen: 9.777 ppbv
 RT: 2.719 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VL042181.D
 Acq: 27 Mar 2025 14:39

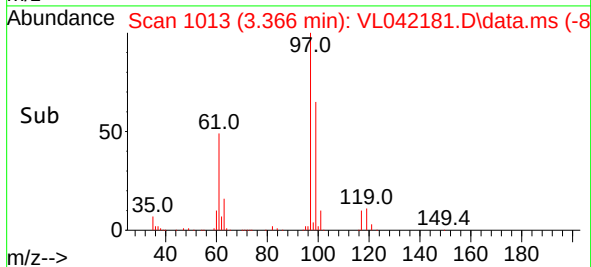
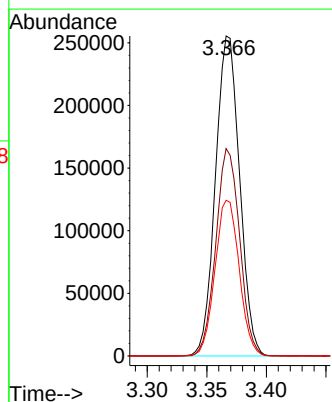
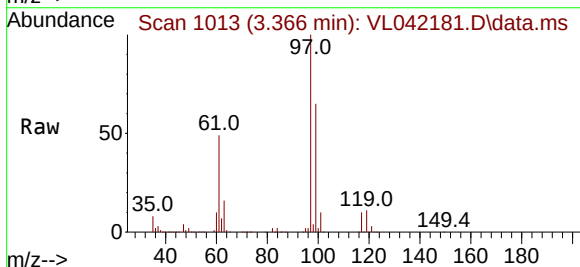
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0327ABS01

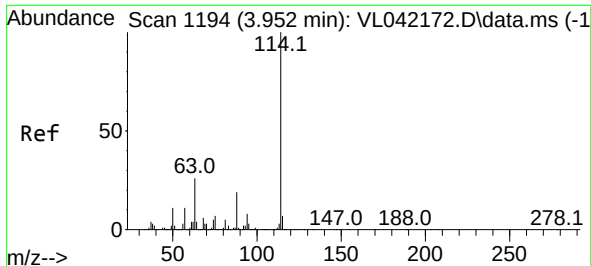
Tgt Ion: 61 Resp: 231151
 Ion Ratio Lower Upper
 61 100
 96 60.8 51.8 77.8
 98 38.8 30.6 46.0



#32
 1,1,1-Trichloroethane
 Concen: 9.223 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. 0.003 min
 Lab File: VL042181.D
 Acq: 27 Mar 2025 14:39

Tgt Ion: 97 Resp: 359860
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.5 77.3
 61 48.9 38.7 58.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_L

ClientSampleId :

VL0327ABS01

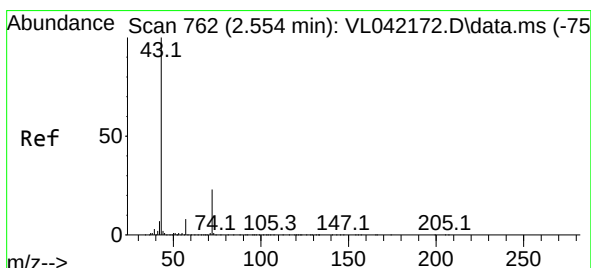
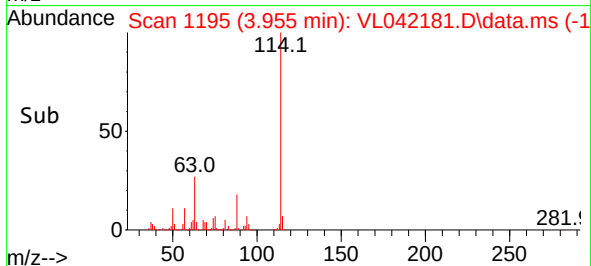
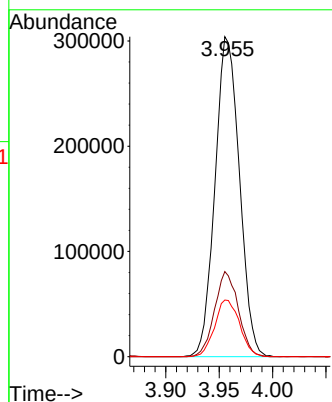
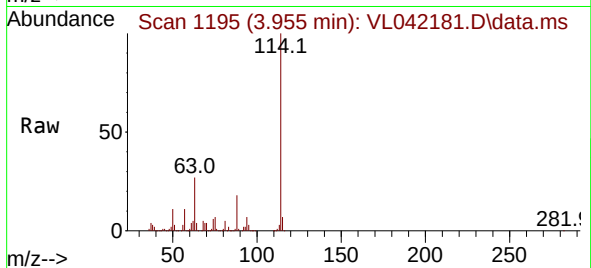
Tgt Ion:114 Resp: 483209

Ion Ratio Lower Upper

114 100

63 25.9 20.7 31.1

88 18.1 15.0 22.4



#34

2-Butanone

Concen: 9.157 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.003 min

Lab File: VL042181.D

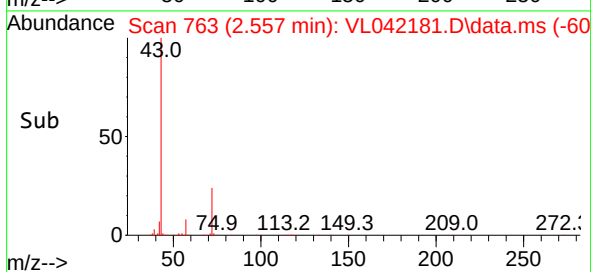
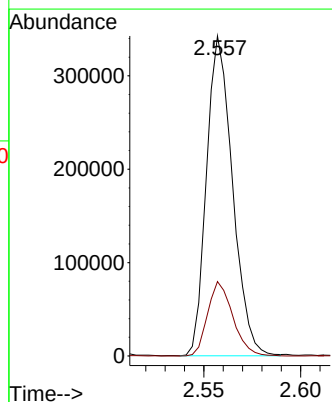
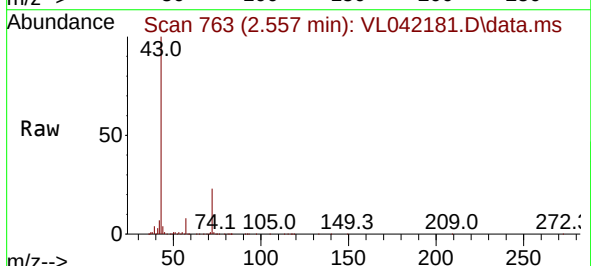
Acq: 27 Mar 2025 14:39

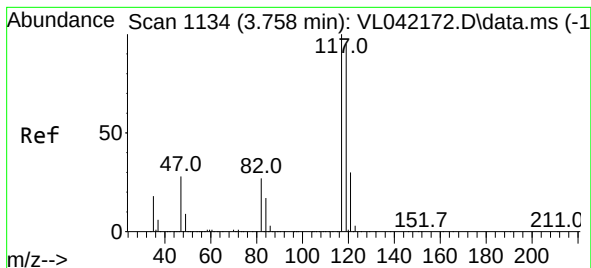
Tgt Ion: 43 Resp: 320843

Ion Ratio Lower Upper

43 100

72 22.6 18.2 27.2





#35

Carbon Tetrachloride

Concen: 9.565 ppbv

RT: 3.761 min Scan# 1135

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_L

ClientSampleId :

VL0327ABS01

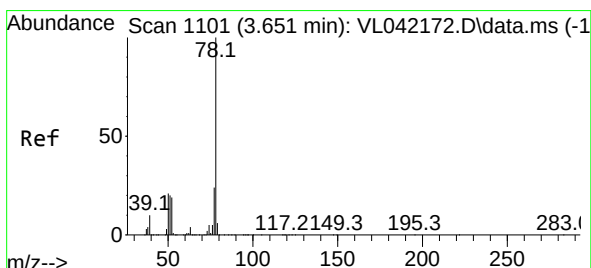
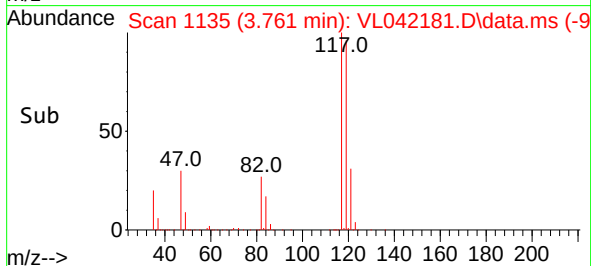
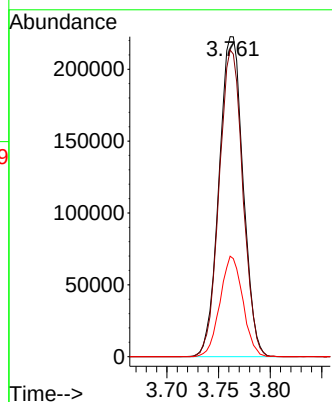
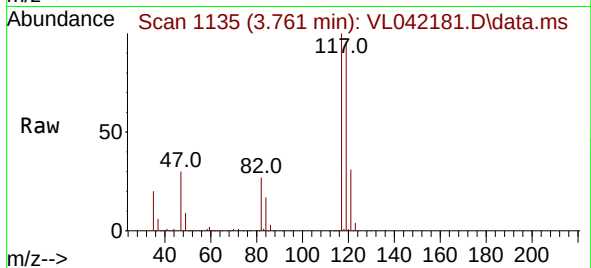
Tgt Ion:117 Resp: 361037

Ion Ratio Lower Upper

117 100

119 95.8 76.2 114.2

121 31.4 24.2 36.4



#36

Benzene

Concen: 9.450 ppbv

RT: 3.658 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

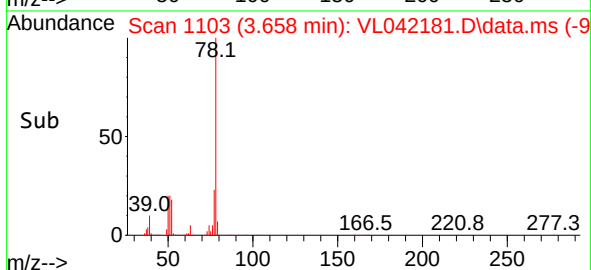
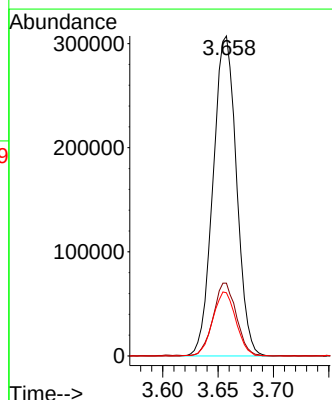
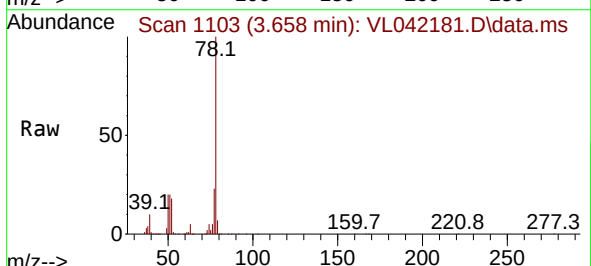
Tgt Ion: 78 Resp: 452718

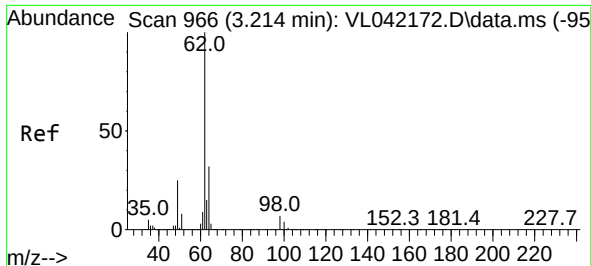
Ion Ratio Lower Upper

78 100

77 22.7 19.1 28.7

50 19.7 16.6 24.8





#37

1,2-Dichloroethane

Concen: 10.109 ppbv

RT: 3.217 min Scan# 9

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_1

ClientSampleId :

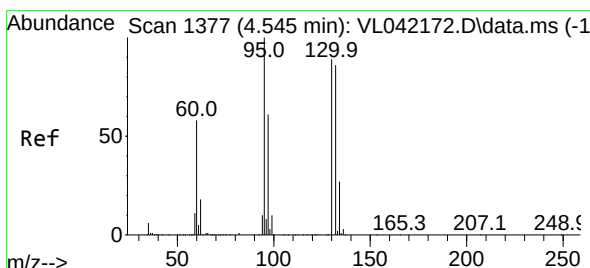
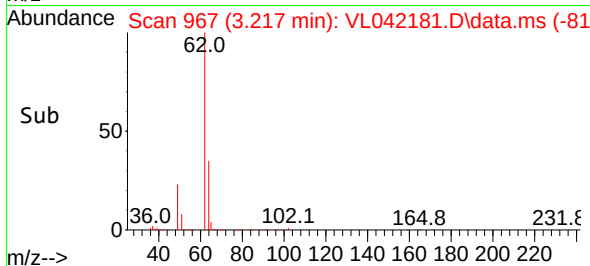
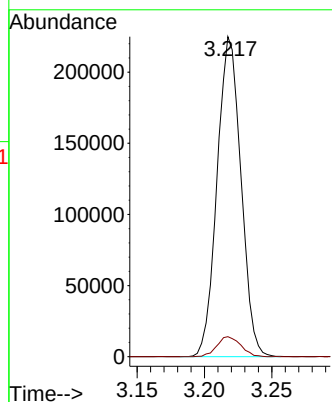
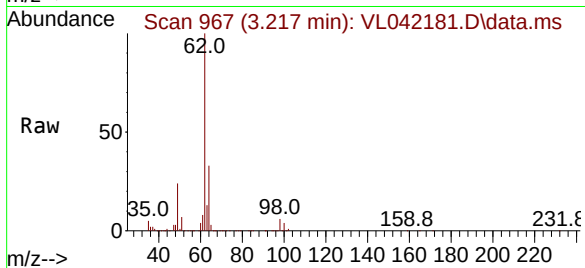
VL0327ABS01

Tgt Ion: 62 Resp: 277247

Ion Ratio Lower Upper

62 100

98 6.2 5.4 8.2



#38

Trichloroethene

Concen: 9.366 ppbv

RT: 4.548 min Scan# 1378

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Tgt Ion:130 Resp: 187209

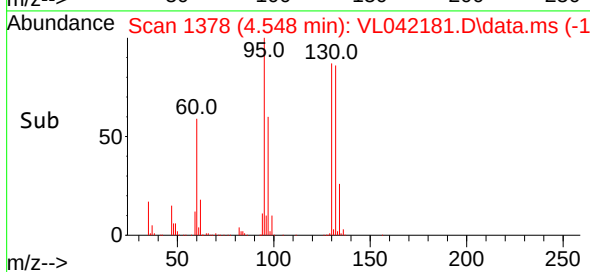
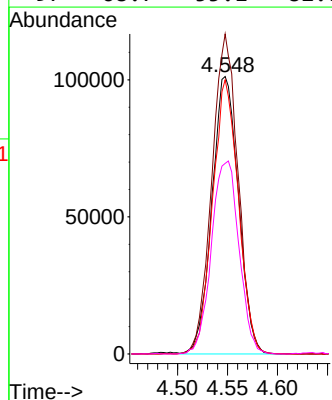
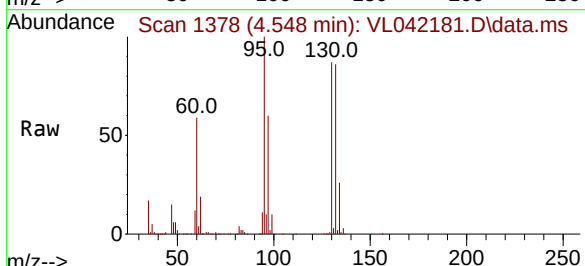
Ion Ratio Lower Upper

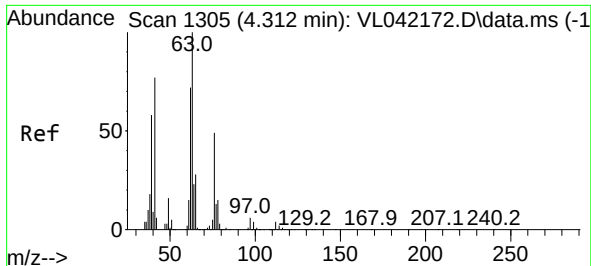
130 100

95 115.3 89.8 134.8

132 98.7 77.4 116.2

97 68.7 55.1 82.7





#39

1,2-Dichloropropane

Concen: 9.422 ppbv

RT: 4.315 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_1

ClientSampleId :

VL0327ABS01

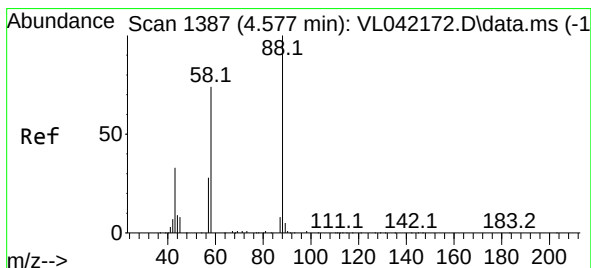
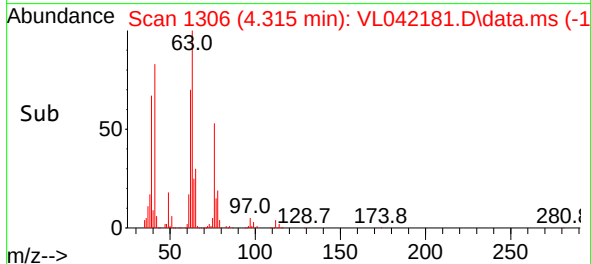
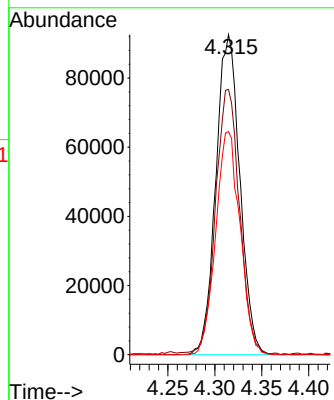
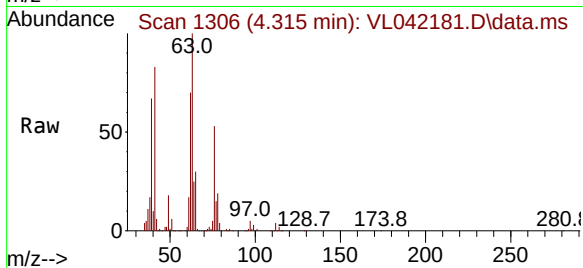
Tgt Ion: 63 Resp: 164374

Ion Ratio Lower Upper

63 100

41 82.9 61.7 92.5

62 69.7 57.6 86.4



#40

1,4-Dioxane

Concen: 8.857 ppbv

RT: 4.583 min Scan# 1389

Delta R.T. 0.006 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Tgt Ion: 88 Resp: 82012

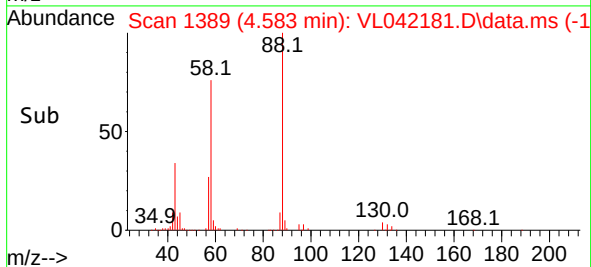
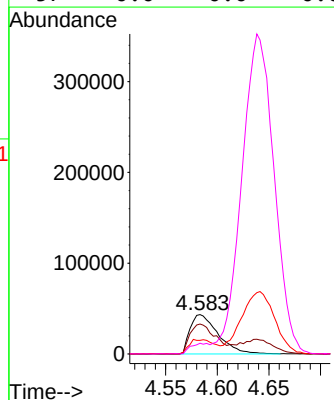
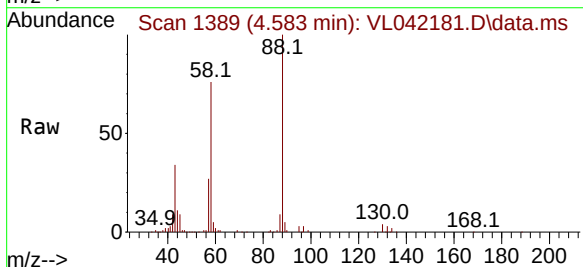
Ion Ratio Lower Upper

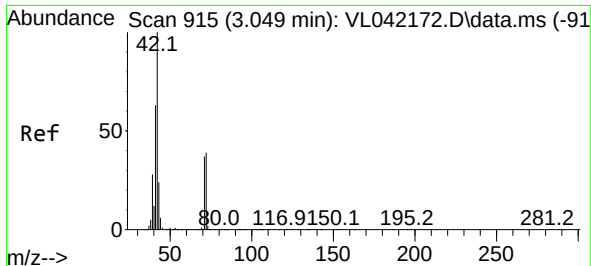
88 100

58 73.5 62.7 94.1

43 35.8 23.0 34.4#

57 0.0 0.0 0.0

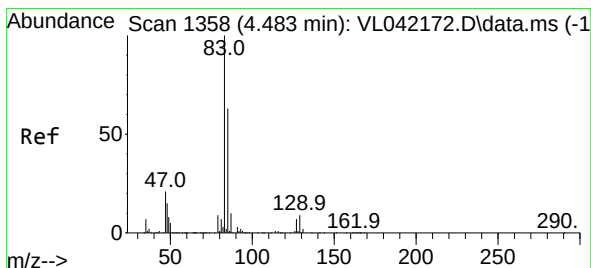
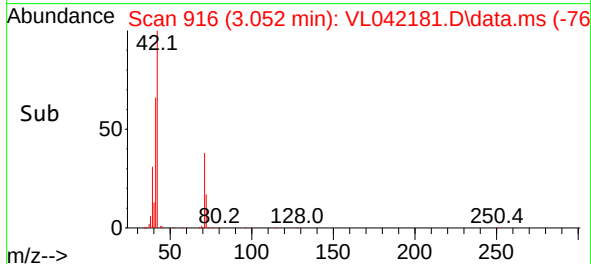
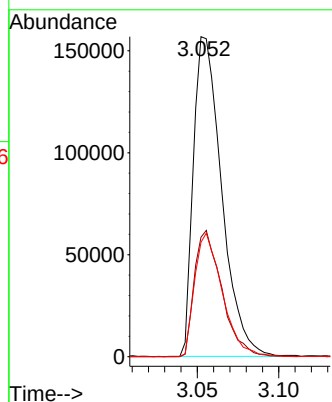
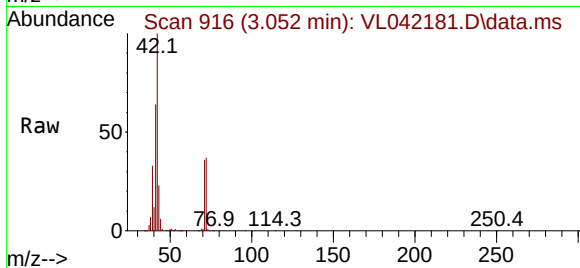




#41
Tetrahydrofuran
Concen: 9.362 ppbv
RT: 3.052 min Scan# 915
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

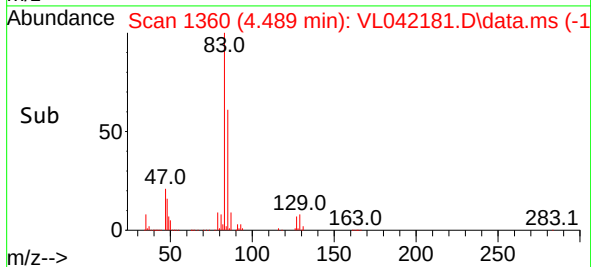
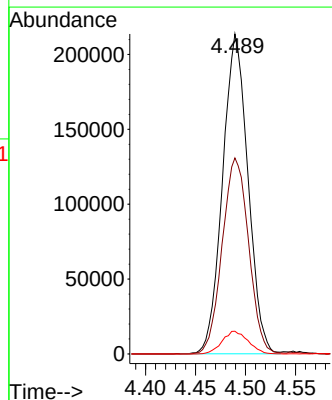
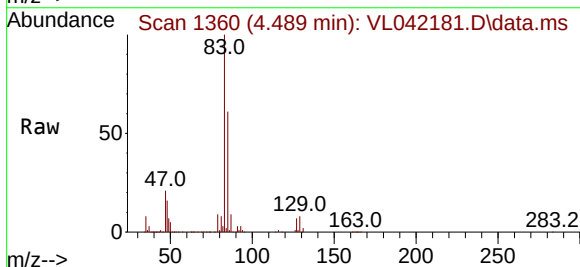
Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01

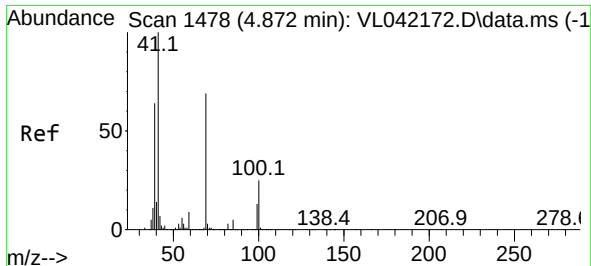
Tgt Ion: 42 Resp: 188907
Ion Ratio Lower Upper
42 100
72 38.5 31.4 47.0
71 37.8 30.2 45.4



#42
Bromodichloromethane
Concen: 9.974 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. 0.006 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Tgt Ion: 83 Resp: 377092
Ion Ratio Lower Upper
83 100
85 61.3 50.5 75.7
127 7.1 5.9 8.9





#43

Methyl Methacrylate

Concen: 9.377 ppbv

RT: 4.881 min Scan# 1478

Delta R.T. 0.009 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_1

ClientSampleId :

VL0327ABS01

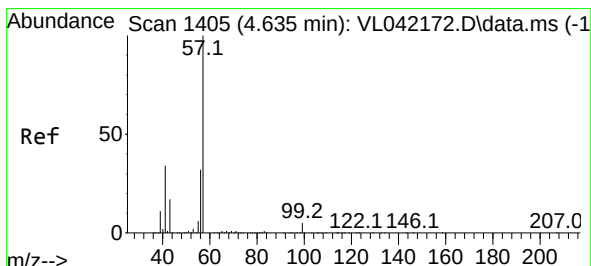
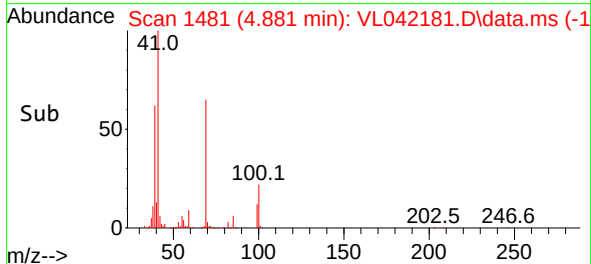
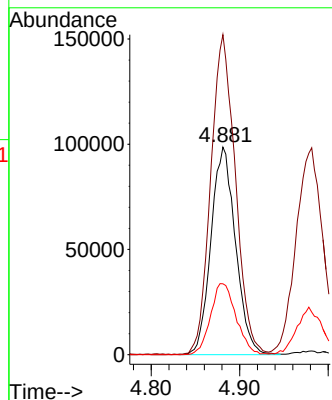
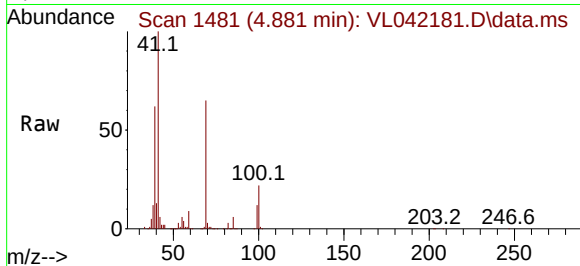
Tgt Ion: 69 Resp: 190156

Ion Ratio Lower Upper

69 100

41 154.1 123.8 185.6

100 35.7 28.4 42.6



#44

2,2,4-Trimethylpentane

Concen: 9.509 ppbv

RT: 4.638 min Scan# 1406

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

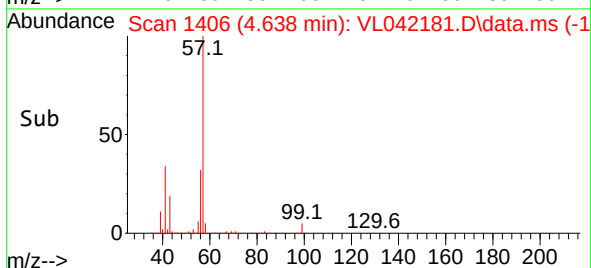
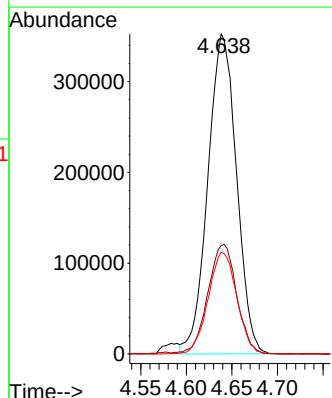
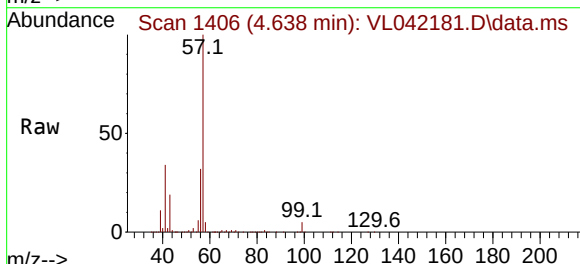
Tgt Ion: 57 Resp: 769803

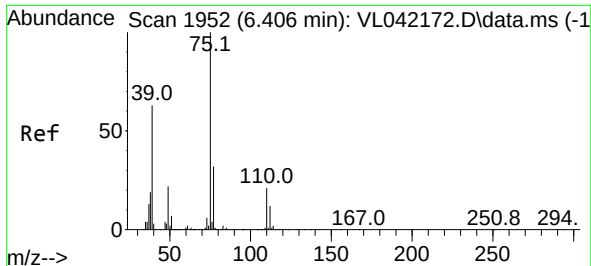
Ion Ratio Lower Upper

57 100

41 34.8 26.8 40.2

56 31.8 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 9.376 ppbv

RT: 6.415 min Scan# 1952

Delta R.T. 0.009 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_L

ClientSampleId :

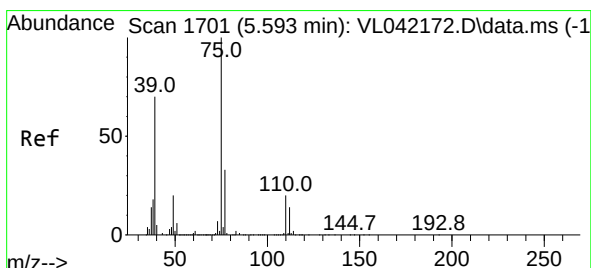
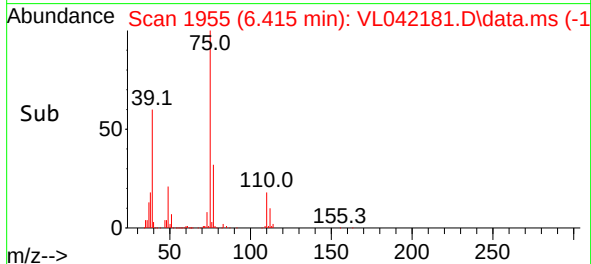
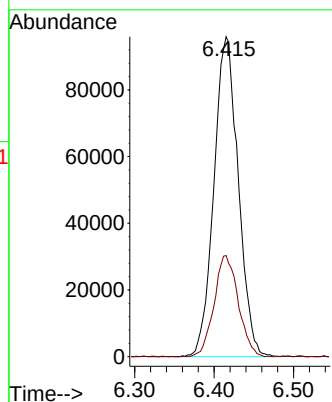
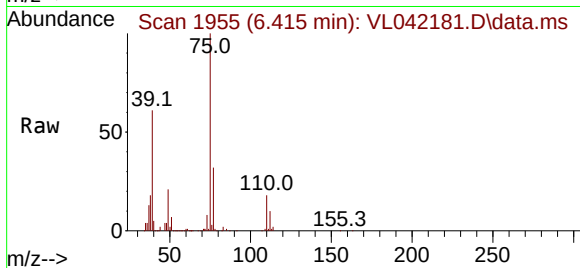
VL0327ABS01

Tgt Ion: 75 Resp: 204004

Ion Ratio Lower Upper

75 100

77 31.6 26.0 39.0



#46

cis-1,3-Dichloropropene

Concen: 9.437 ppbv

RT: 5.599 min Scan# 1703

Delta R.T. 0.006 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

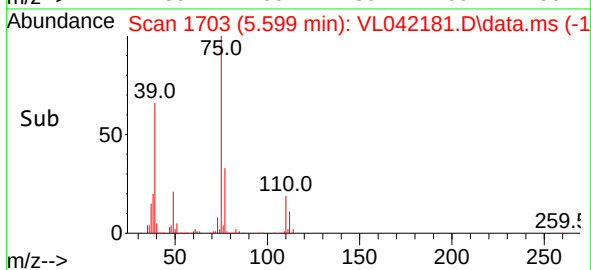
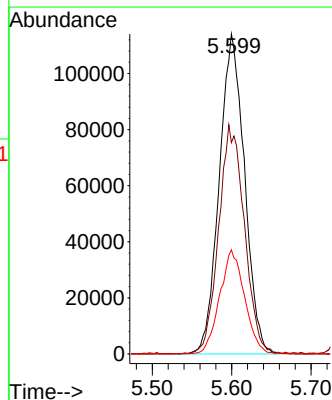
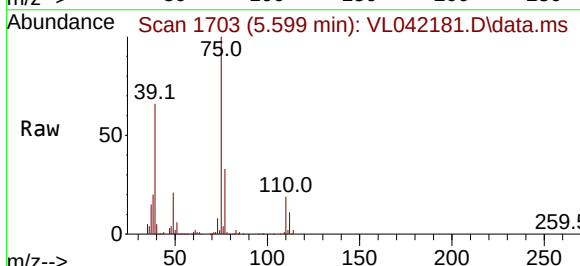
Tgt Ion: 75 Resp: 251694

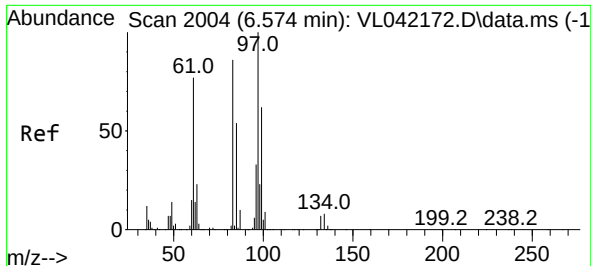
Ion Ratio Lower Upper

75 100

39 66.0 55.8 83.6

77 32.6 26.0 39.0

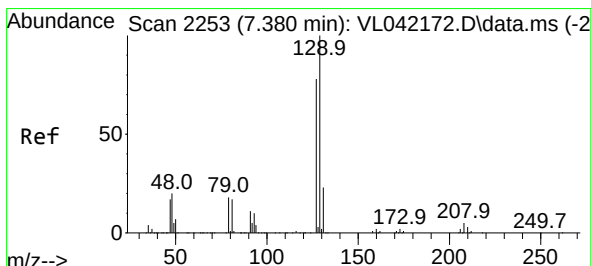
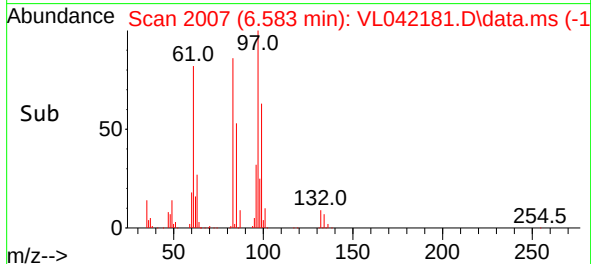
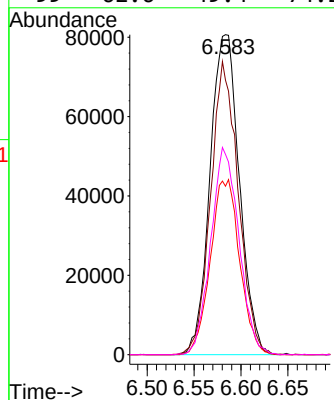
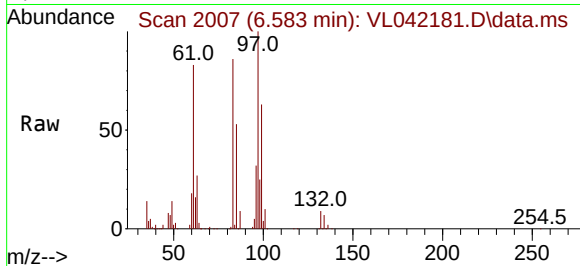




#47
1,1,2-Trichloroethane
Concen: 9.517 ppbv
RT: 6.583 min Scan# 2007
Delta R.T. 0.009 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

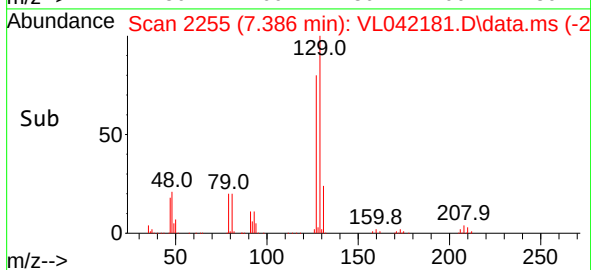
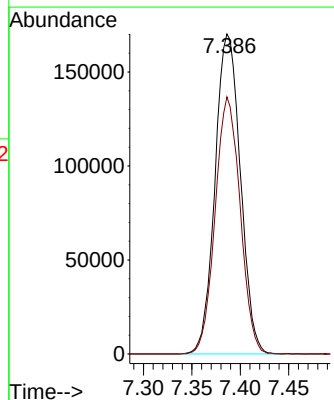
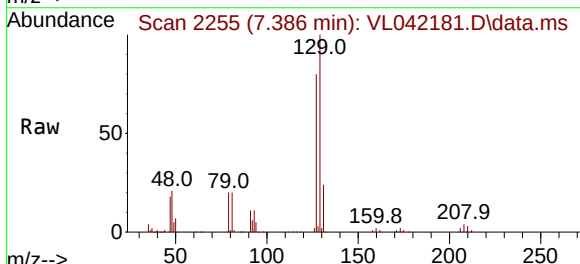
Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01

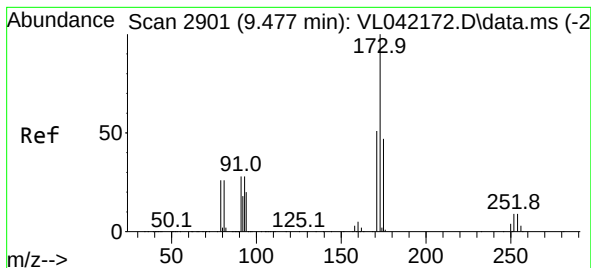
Tgt Ion:	97	Resp:	175509
Ion	Ratio	Lower	Upper
97	100		
83	85.6	69.2	103.8
85	52.6	43.1	64.7
99	62.6	49.4	74.2



#48
Dibromochloromethane
Concen: 9.923 ppbv
RT: 7.386 min Scan# 2255
Delta R.T. 0.006 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Tgt Ion:	129	Resp:	310158
Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.1	117.2





#49

Bromoform

Concen: 9.957 ppbv

RT: 9.483 min Scan# 2901

Delta R.T. 0.006 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_L

ClientSampleId :

VL0327ABS01

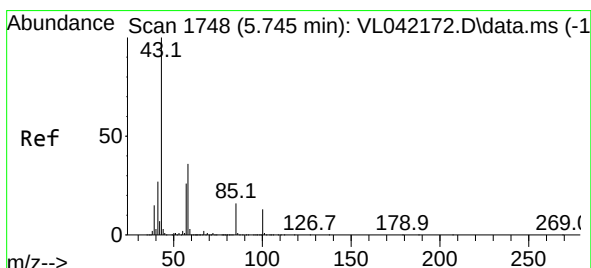
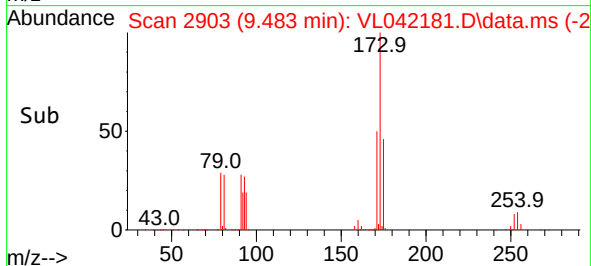
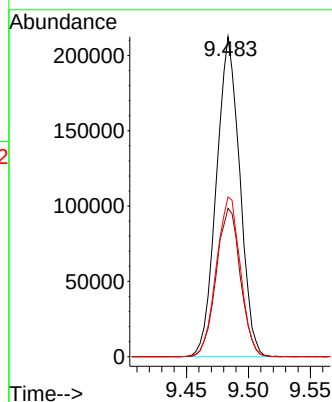
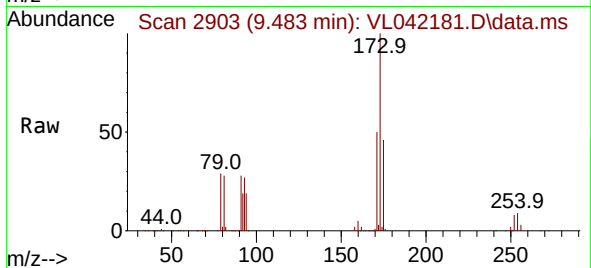
Tgt Ion:173 Resp: 279382

Ion Ratio Lower Upper

173 100

175 48.0 38.6 57.8

171 51.4 41.8 62.6



#50

4-Methyl-2-Pentanone

Concen: 8.679 ppbv

RT: 5.748 min Scan# 1749

Delta R.T. 0.003 min

Lab File: VL042181.D

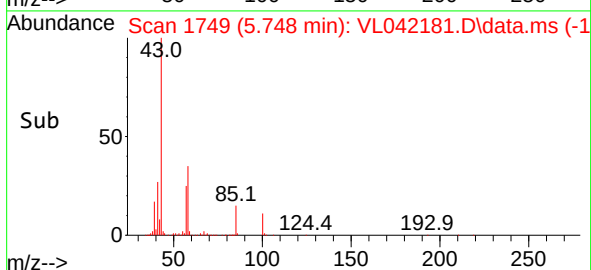
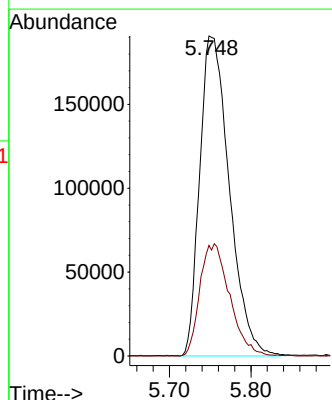
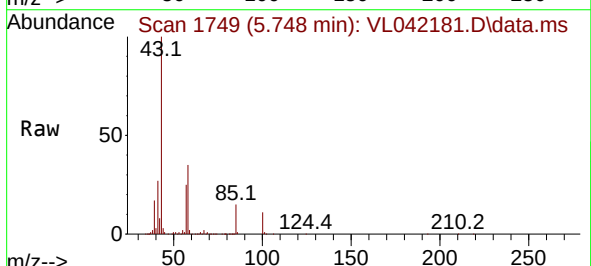
Acq: 27 Mar 2025 14:39

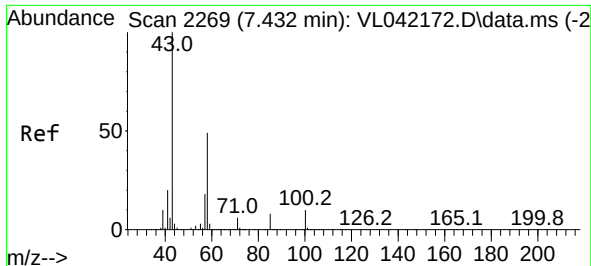
Tgt Ion: 43 Resp: 481919

Ion Ratio Lower Upper

43 100

58 35.3 29.0 43.6

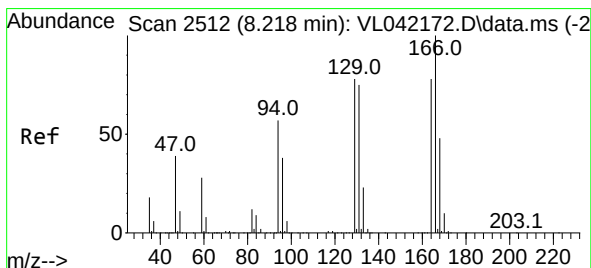
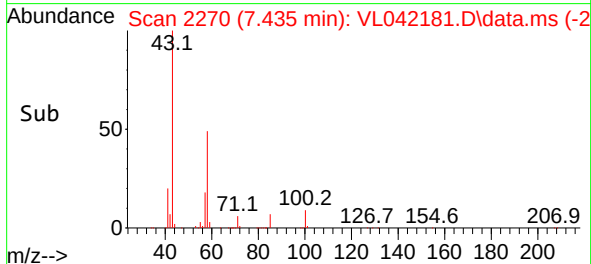
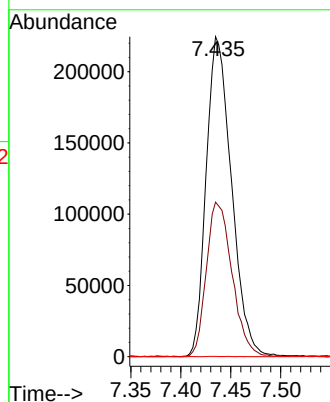
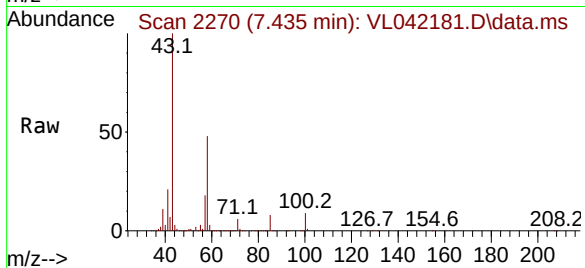




#51
2-Hexanone
Concen: 8.674 ppbv
RT: 7.435 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

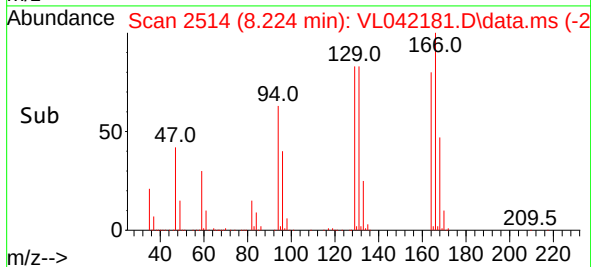
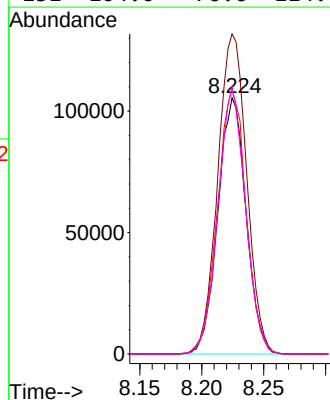
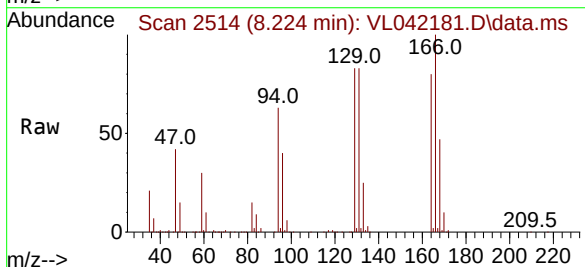
Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01

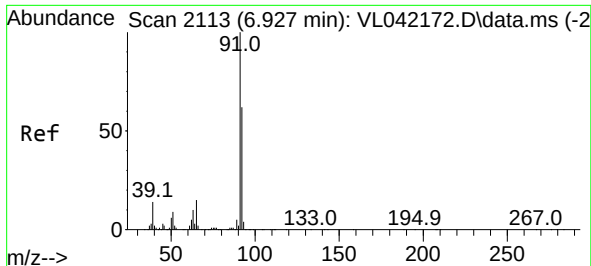
Tgt Ion: 43 Resp: 395520
Ion Ratio Lower Upper
43 100
58 49.0 39.7 59.5
98 0.1 0.1 0.1



#52
Tetrachloroethene
Concen: 8.791 ppbv
RT: 8.224 min Scan# 2514
Delta R.T. 0.006 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Tgt Ion: 164 Resp: 167015
Ion Ratio Lower Upper
164 100
166 124.8 102.5 153.7
129 103.6 79.8 119.8
131 104.0 76.6 114.8

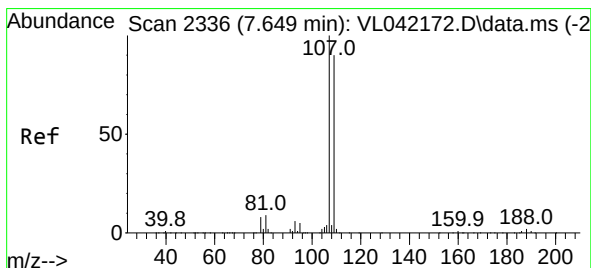
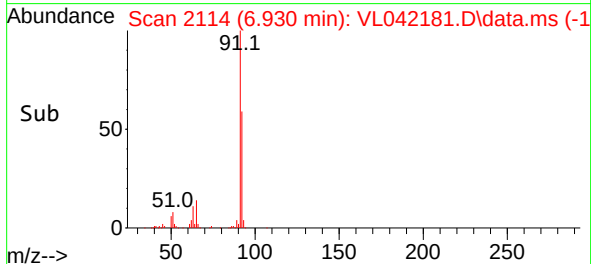
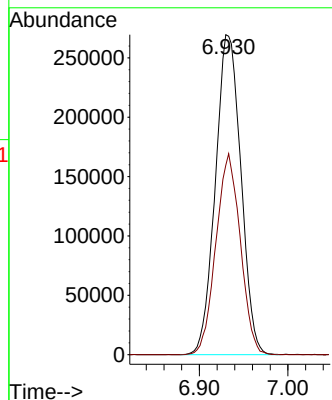
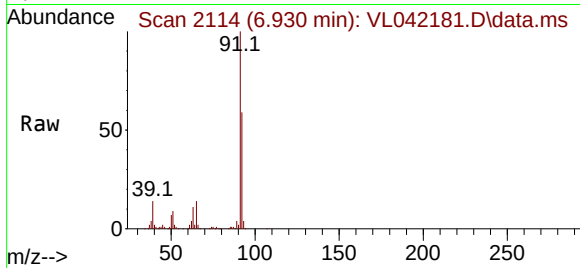




#53
Toluene
Concen: 9.520 ppbv
RT: 6.930 min Scan# 2114
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

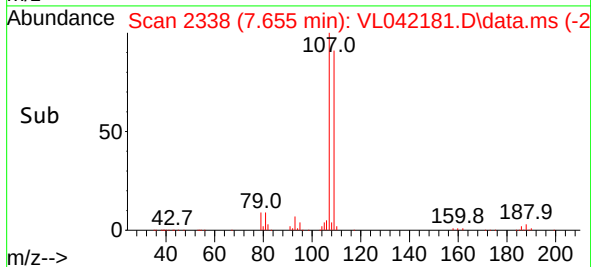
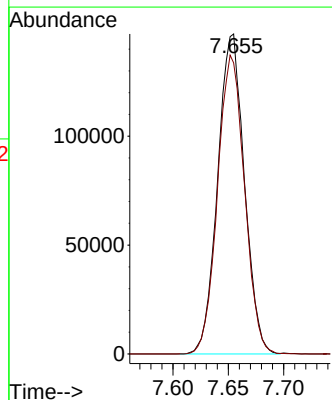
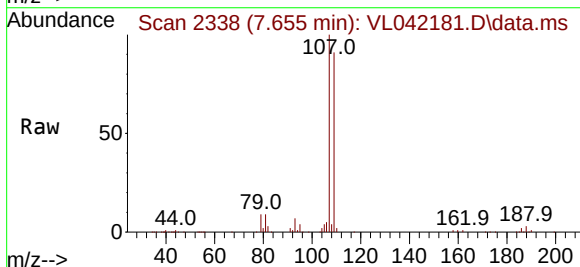
Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01

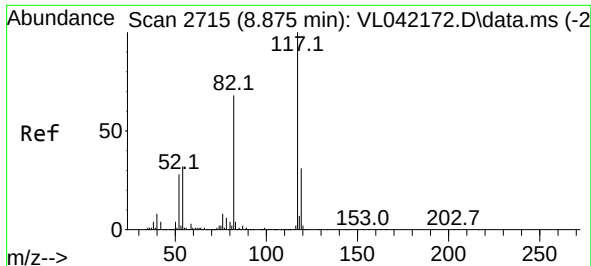
Tgt Ion: 91 Resp: 540612
Ion Ratio Lower Upper
91 100
92 60.0 48.4 72.6



#54
1,2-Dibromoethane
Concen: 9.589 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. 0.006 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Tgt Ion: 107 Resp: 246519
Ion Ratio Lower Upper
107 100
109 90.9 72.2 108.4

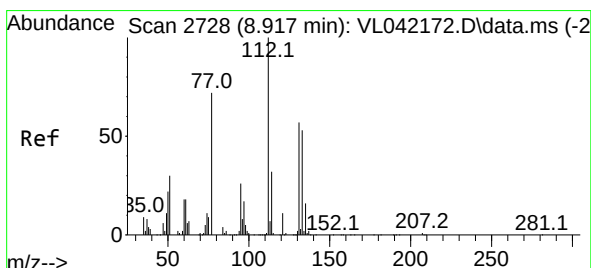
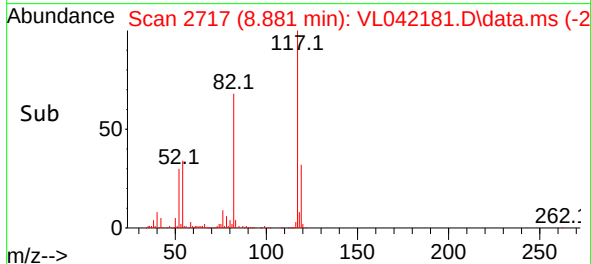
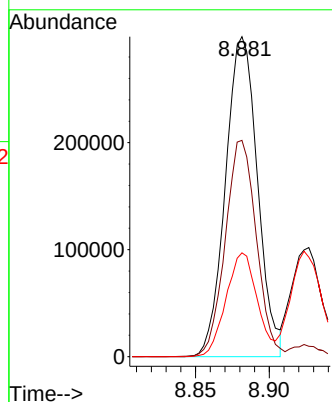
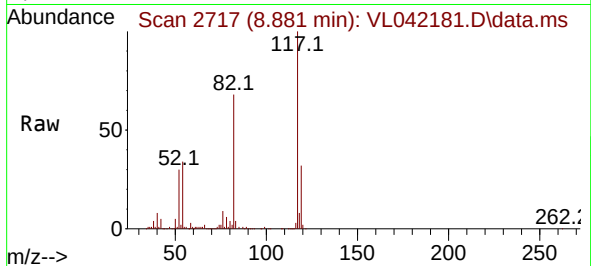




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.881 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

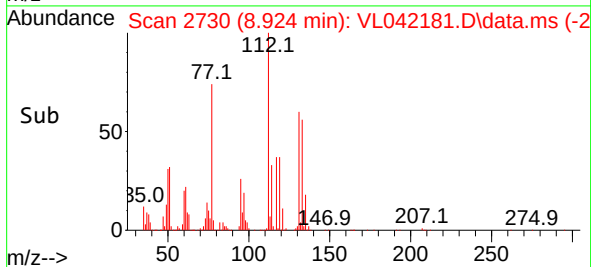
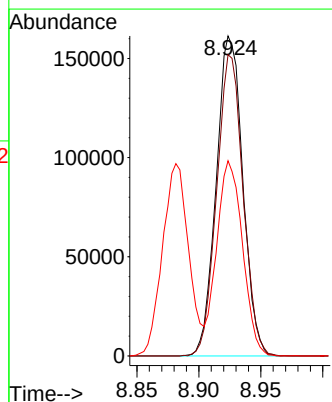
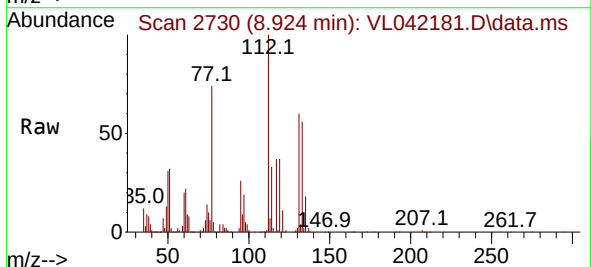
Instrument :
MSVOA_1
ClientSampleId :
VL0327ABS01

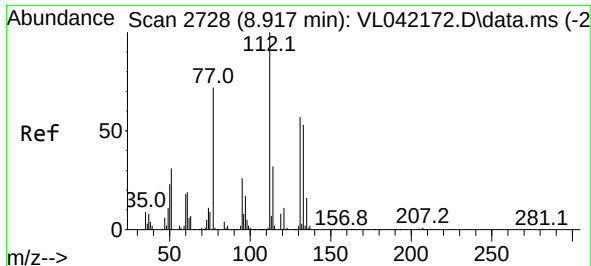
Tgt Ion:117 Resp: 452250
Ion Ratio Lower Upper
117 100
82 68.9 55.8 83.6
119 32.8 25.5 38.3



#56
1,1,1,2-Tetrachloroethane
Concen: 9.677 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.006 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Tgt Ion:131 Resp: 240905
Ion Ratio Lower Upper
131 100
133 93.5 76.6 114.8
119 57.6 49.8 74.6

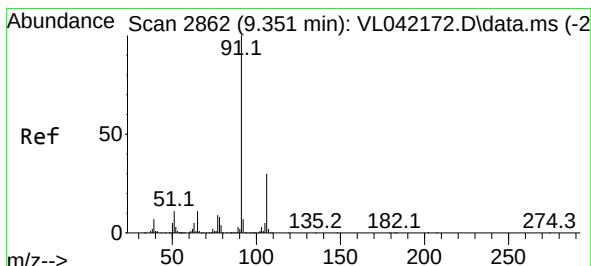
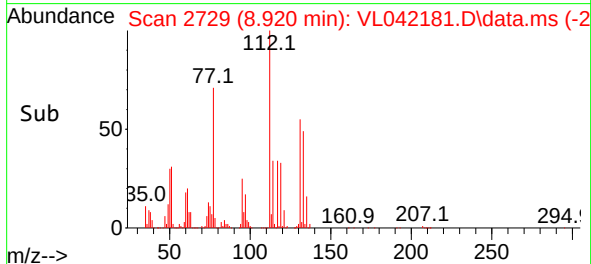
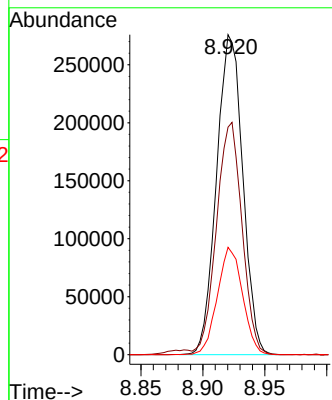
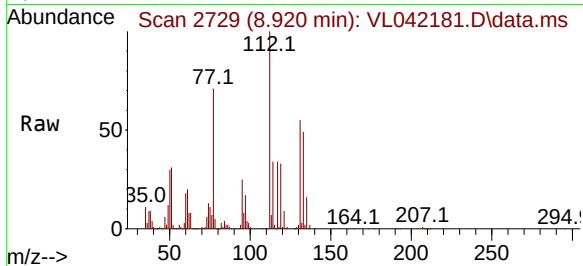




#57
Chlorobenzene
Concen: 9.507 ppbv
RT: 8.920 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

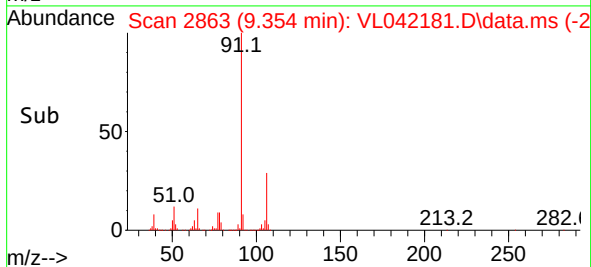
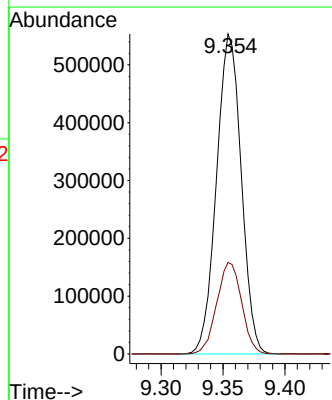
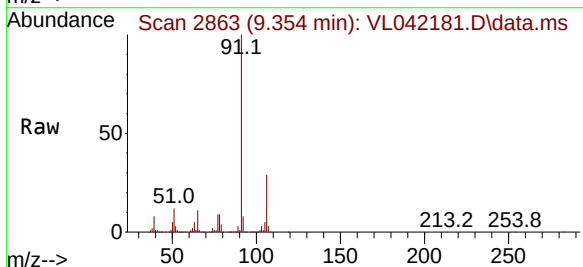
Instrument :
MSVOA_1
ClientSampleId :
VL0327ABS01

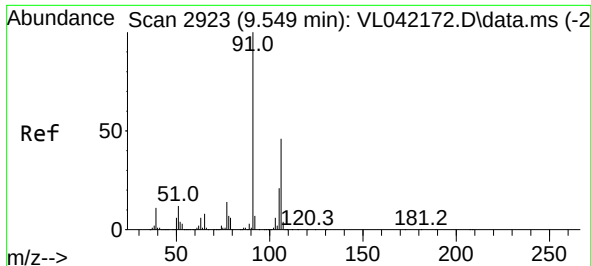
Tgt Ion:112 Resp: 407816
Ion Ratio Lower Upper
112 100
77 71.1 58.2 87.2
114 33.6 29.1 35.5



#58
Ethyl Benzene
Concen: 9.583 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Tgt Ion: 91 Resp: 769818
Ion Ratio Lower Upper
91 100
106 28.6 24.2 36.2





#59

m/p-Xylene

Concen: 8.961 ppbv

RT: 9.551 min Scan# 2923

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_1

ClientSampleId :

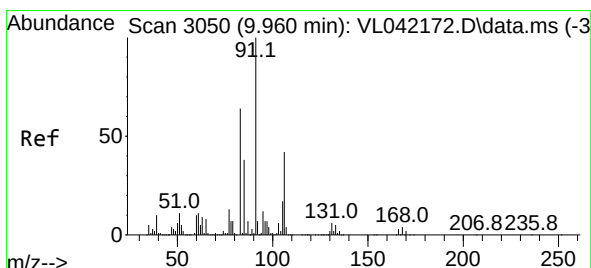
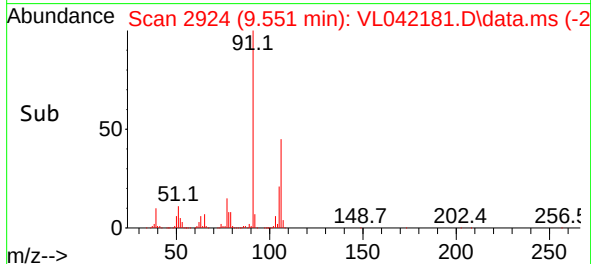
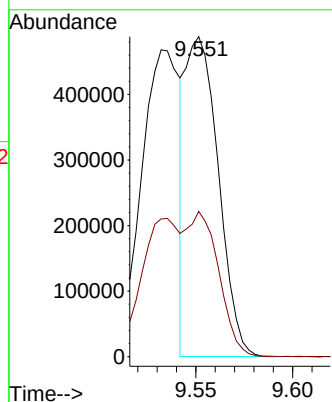
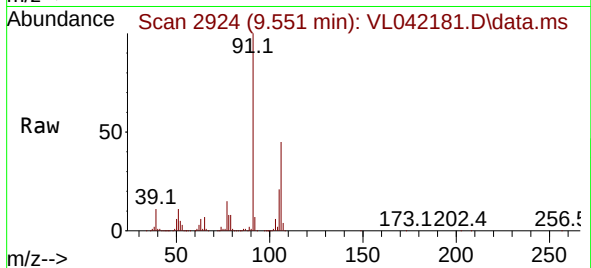
VL0327ABS01

Tgt Ion: 91 Resp: 574799

Ion Ratio Lower Upper

91 100

106 95.9 36.4 54.6#



#60

o-Xylene

Concen: 9.518 ppbv

RT: 9.962 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VL042181.D

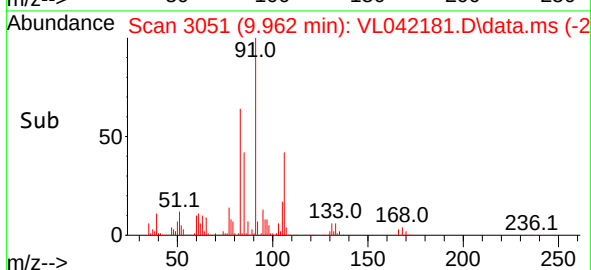
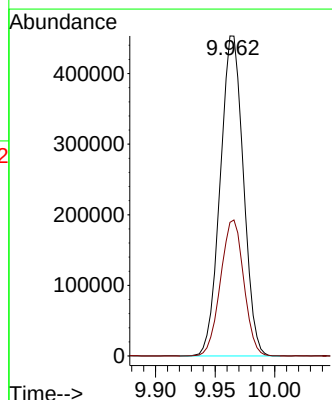
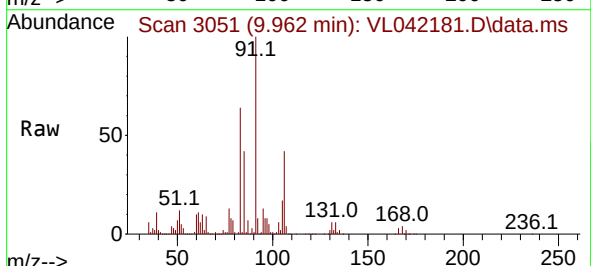
Acq: 27 Mar 2025 14:39

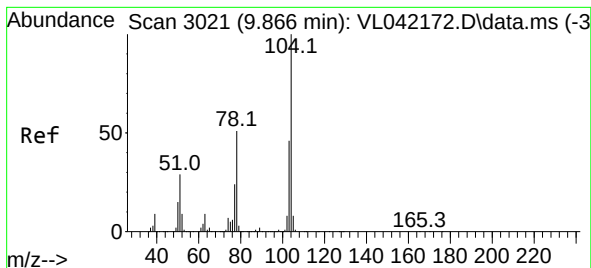
Tgt Ion: 91 Resp: 612011

Ion Ratio Lower Upper

91 100

106 42.7 20.8 62.5





#61

Styrene

Concen: 9.639 ppbv

RT: 9.869 min Scan# 3021

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_1

ClientSampleId :

VL0327ABS01

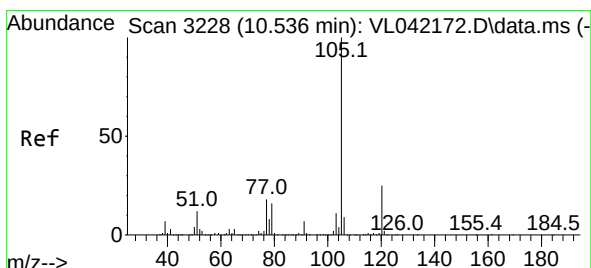
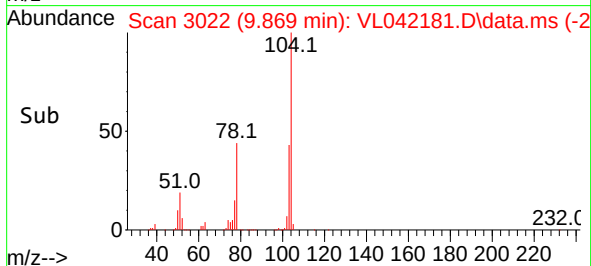
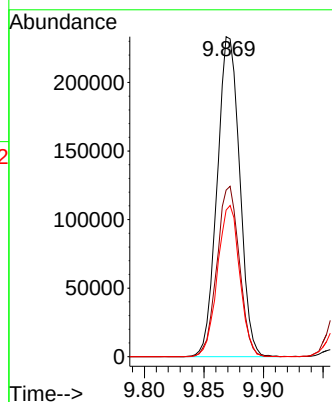
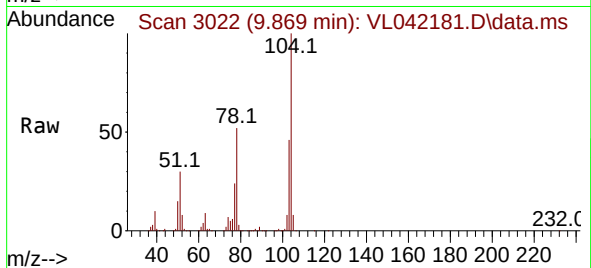
Tgt Ion:104 Resp: 306658

Ion Ratio Lower Upper

104 100

78 52.9 41.8 62.6

103 46.8 37.0 55.4



#62

Isopropylbenzene

Concen: 9.600 ppbv

RT: 10.539 min Scan# 3229

Delta R.T. 0.003 min

Lab File: VL042181.D

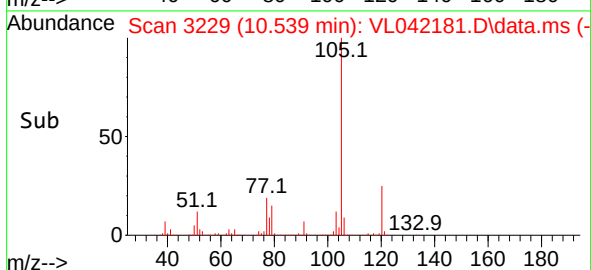
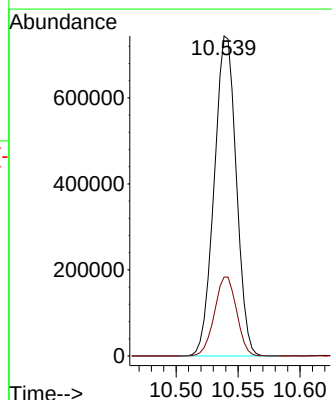
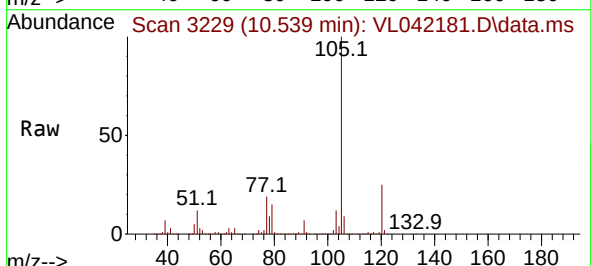
Acq: 27 Mar 2025 14:39

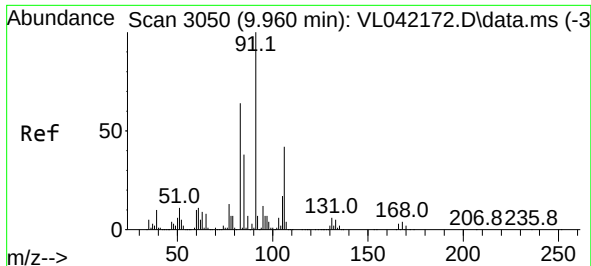
Tgt Ion:105 Resp: 923163

Ion Ratio Lower Upper

105 100

120 24.8 19.9 29.9





#63

1,1,2,2-Tetrachloroethane

Concen: 9.483 ppbv

RT: 9.962 min Scan# 3050

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_1

ClientSampleId :

VL0327ABS01

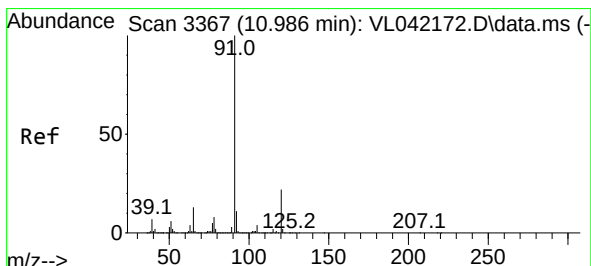
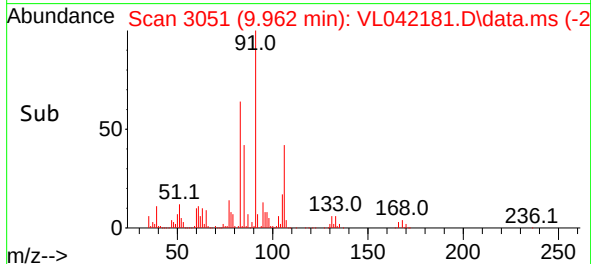
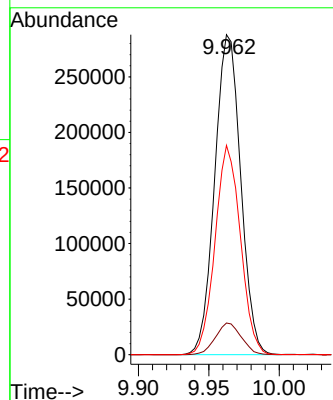
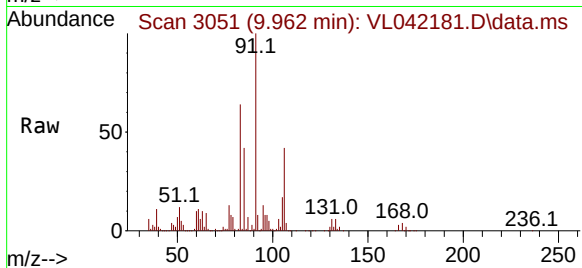
Tgt Ion: 83 Resp: 370486

Ion Ratio Lower Upper

83 100

131 9.9 4.8 14.4

85 63.9 32.5 97.5



#64

n-propylbenzene

Concen: 9.682 ppbv

RT: 10.989 min Scan# 3368

Delta R.T. 0.003 min

Lab File: VL042181.D

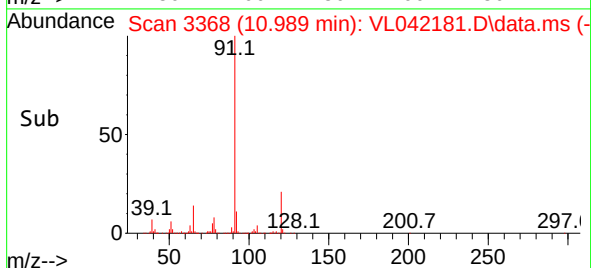
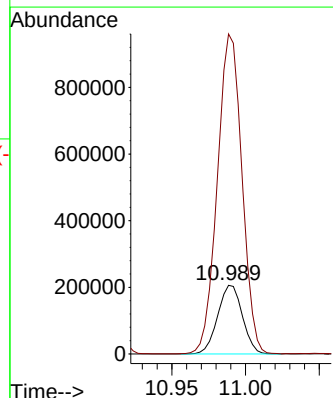
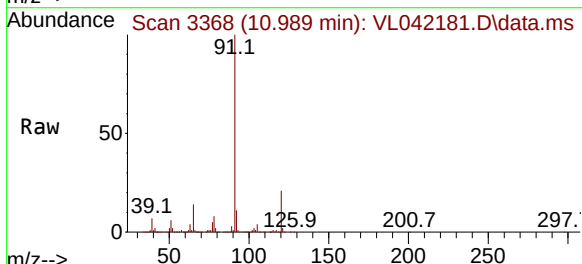
Acq: 27 Mar 2025 14:39

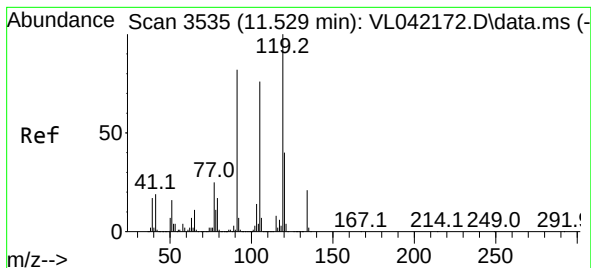
Tgt Ion: 120 Resp: 239652

Ion Ratio Lower Upper

120 100

91 465.1 376.9 565.3





#65

tert-Butylbenzene

Concen: 9.315 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_L

ClientSampleId :

VL0327ABS01

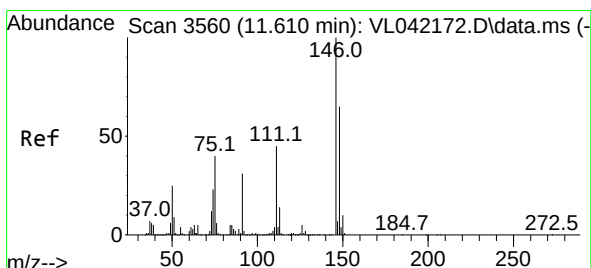
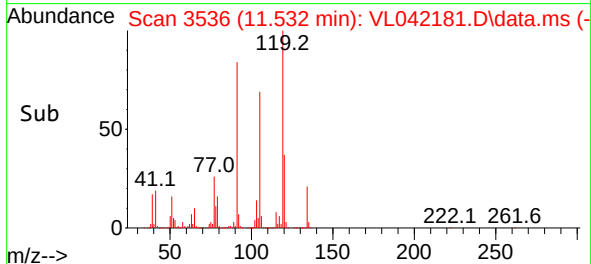
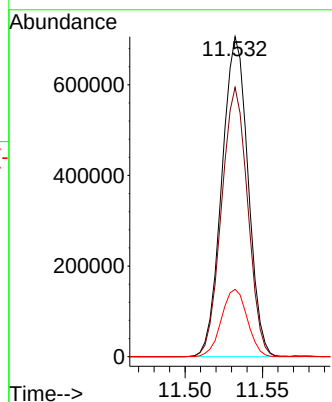
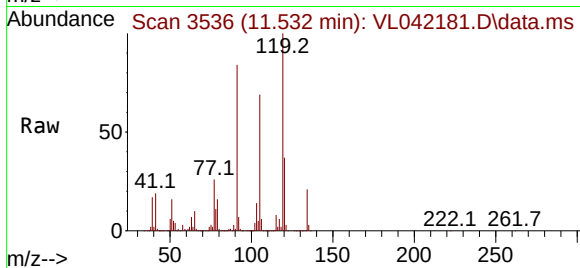
Tgt Ion:119 Resp: 828438

Ion Ratio Lower Upper

119 100

91 84.2 66.0 99.0

134 20.8 16.7 25.1



#66

Benzyl Chloride

Concen: 8.627 ppbv

RT: 11.616 min Scan# 3562

Delta R.T. 0.006 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

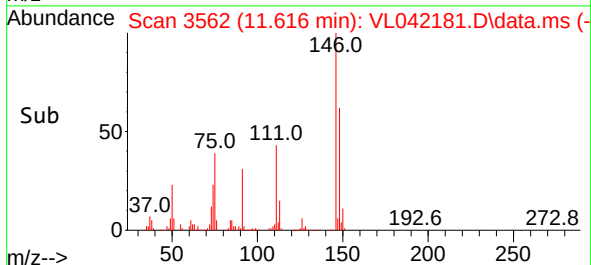
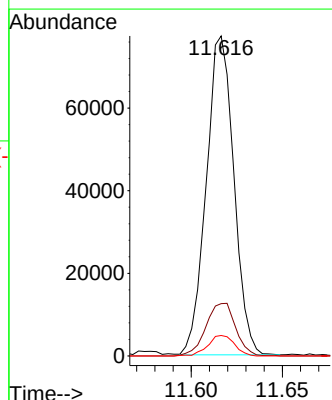
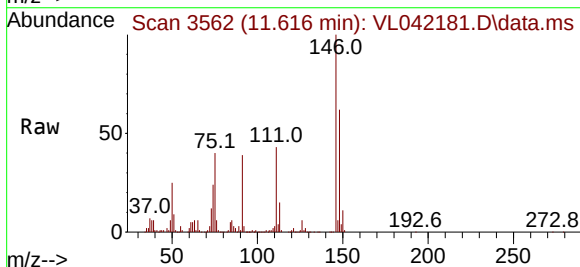
Tgt Ion: 91 Resp: 81404

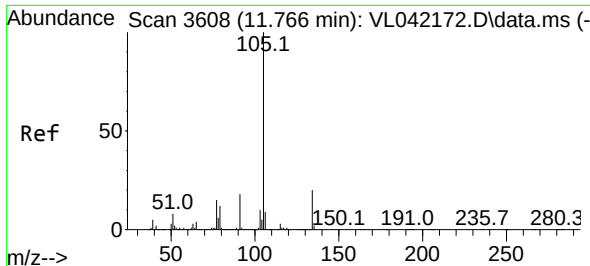
Ion Ratio Lower Upper

91 100

126 17.8 13.8 20.6

128 6.2 4.5 6.7

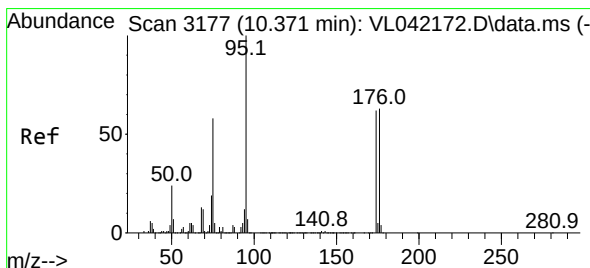
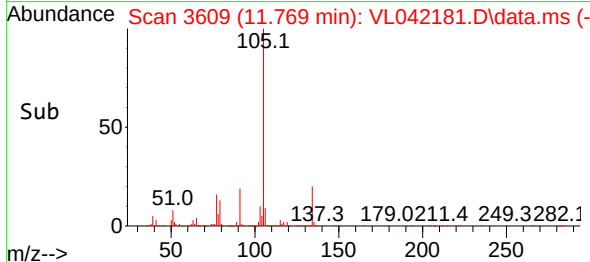
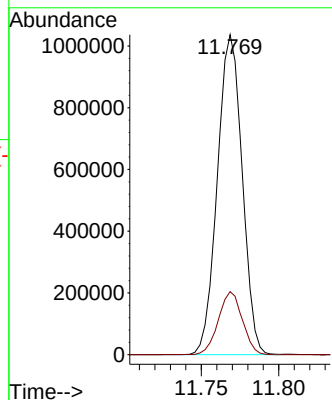
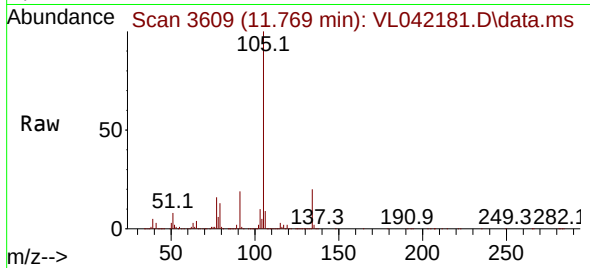




#67
 sec-Butylbenzene
 Concen: 9.347 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. 0.003 min
 Lab File: VL042181.D
 Acq: 27 Mar 2025 14:39

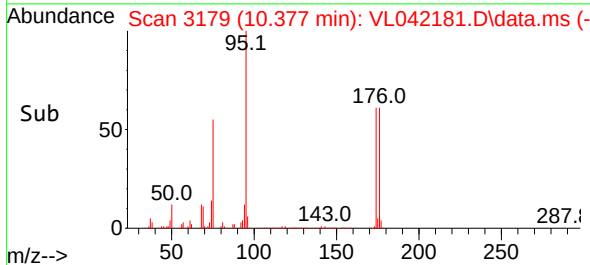
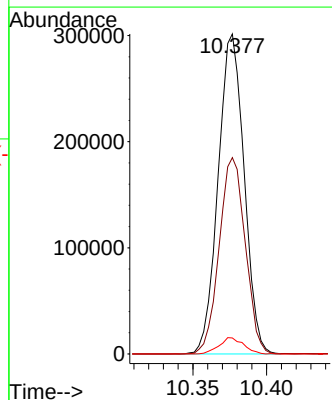
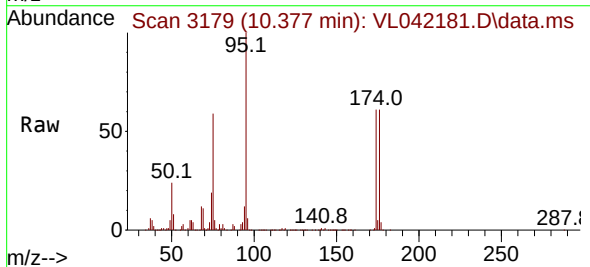
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0327ABS01

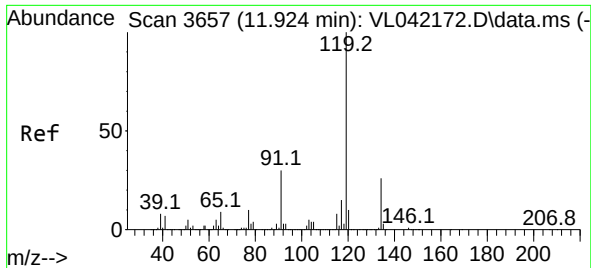
Tgt Ion:105 Resp: 1155378
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.934 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.006 min
 Lab File: VL042181.D
 Acq: 27 Mar 2025 14:39

Tgt Ion: 95 Resp: 368941
 Ion Ratio Lower Upper
 95 100
 174 61.7 50.6 76.0
 175 4.8 3.8 5.6

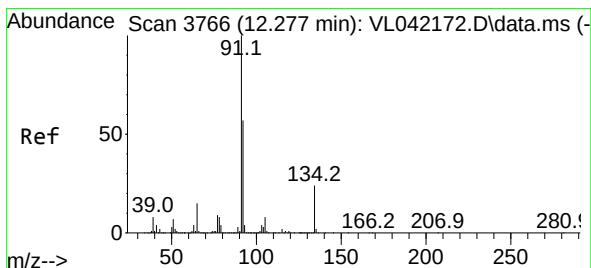
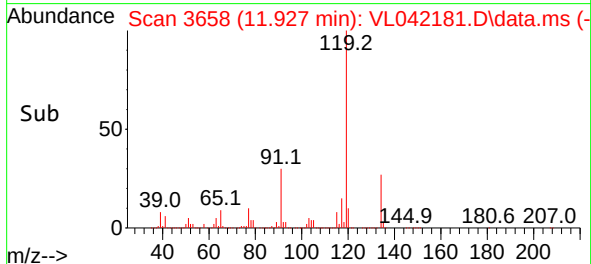
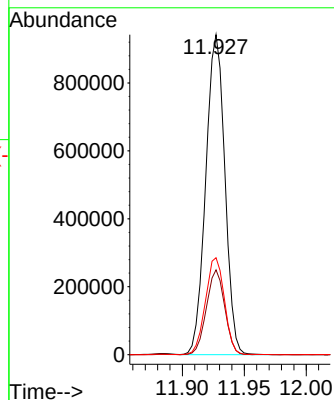
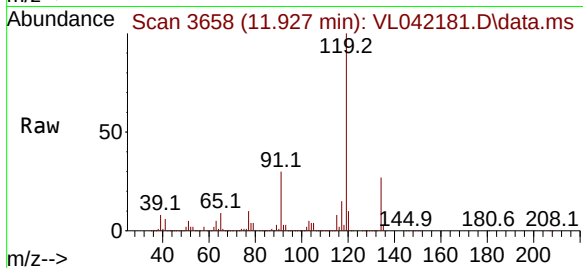




#69
p-Isopropyltoluene
Concen: 9.503 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

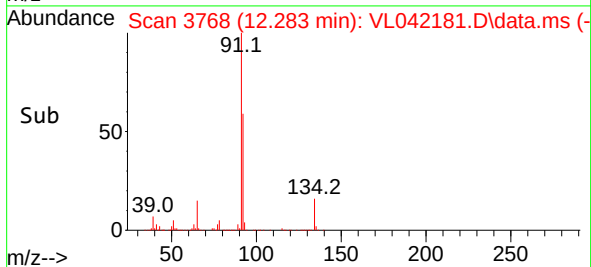
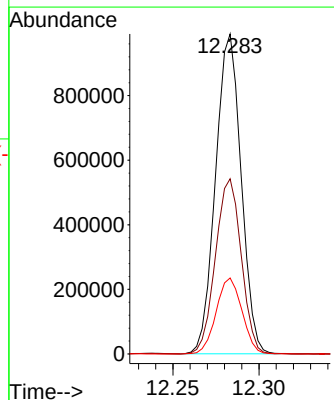
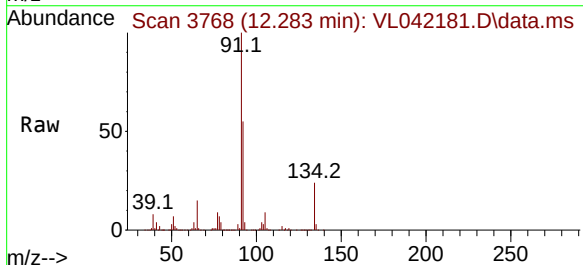
Instrument :
MSVOA_1
ClientSampleId :
VL0327ABS01

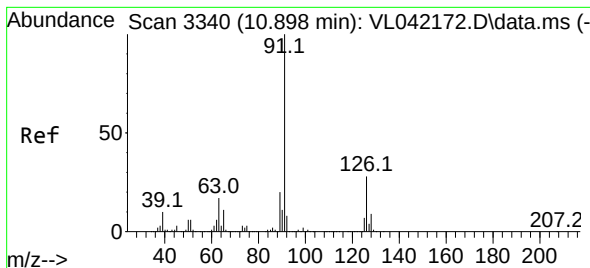
Tgt Ion:119 Resp: 1011573
Ion Ratio Lower Upper
119 100
134 25.5 20.4 30.6
91 30.3 23.7 35.5



#70
n-Butylbenzene
Concen: 9.397 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. 0.006 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Tgt Ion: 91 Resp: 1022935
Ion Ratio Lower Upper
91 100
92 55.5 44.9 67.3
134 24.0 19.2 28.8





#71

2-Chlorotoluene

Concen: 9.562 ppbv

RT: 10.901 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_L

ClientSampleId :

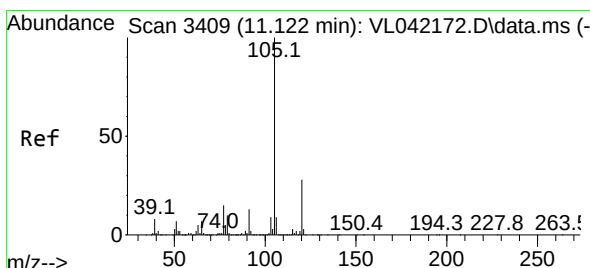
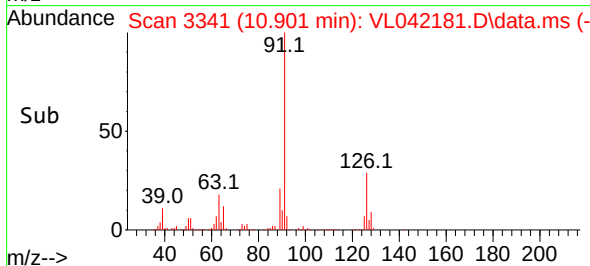
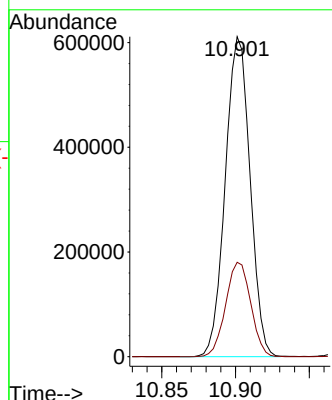
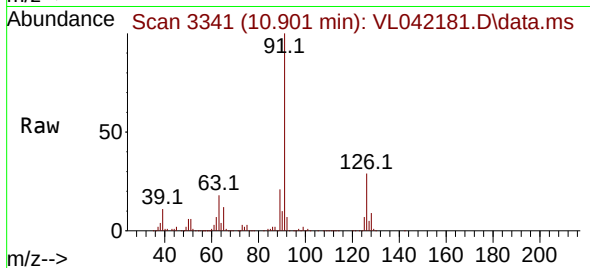
VL0327ABS01

Tgt Ion: 91 Resp: 713648

Ion Ratio Lower Upper

91 100

126 29.8 11.6 46.4



#72

4-Ethyltoluene

Concen: 9.576 ppbv

RT: 11.128 min Scan# 3411

Delta R.T. 0.006 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Tgt Ion: 105 Resp: 766720

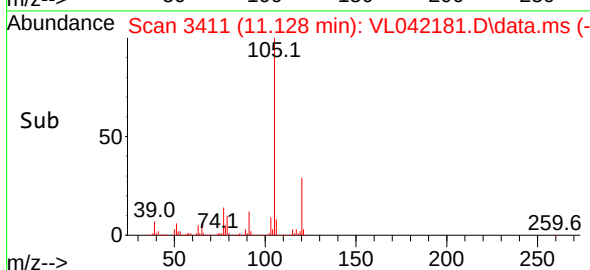
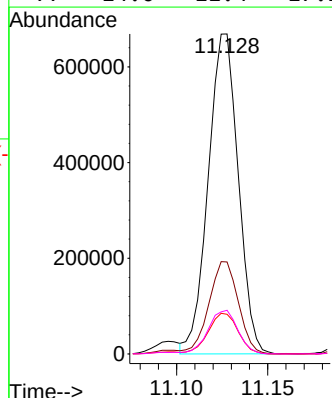
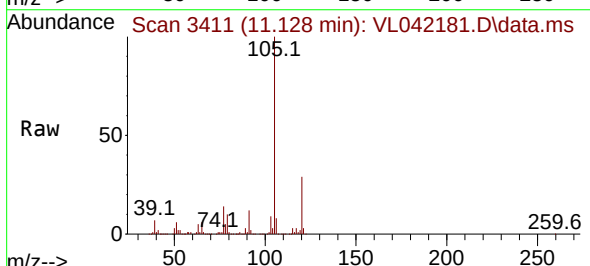
Ion Ratio Lower Upper

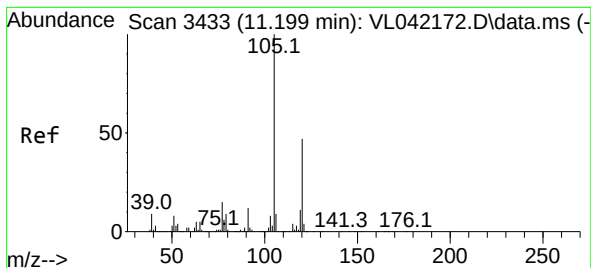
105 100

120 29.4 23.4 35.0

91 13.1 10.3 15.5

77 14.0 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 9.451 ppbv

RT: 11.205 min Scan# 34

Delta R.T. 0.006 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_1

ClientSampleId :

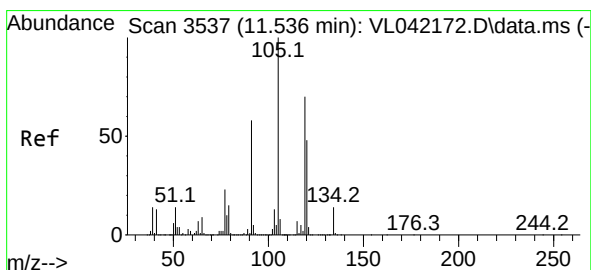
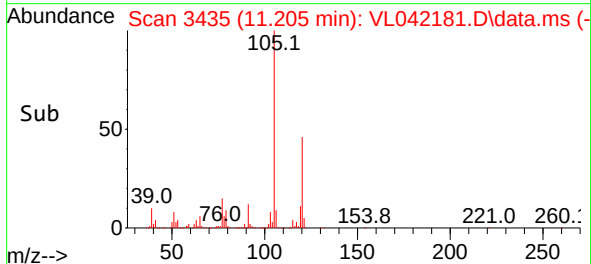
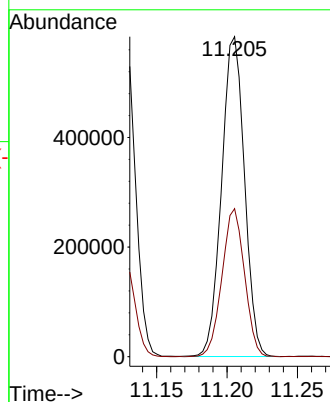
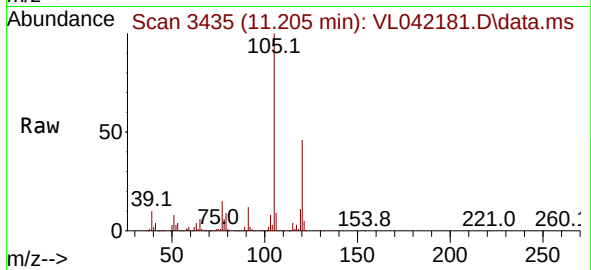
VL0327ABS01

Tgt Ion:105 Resp: 660905

Ion Ratio Lower Upper

105 100

120 46.3 37.4 56.0



#74

1,2,4-Trimethylbenzene

Concen: 8.921 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Tgt Ion:105 Resp: 718683

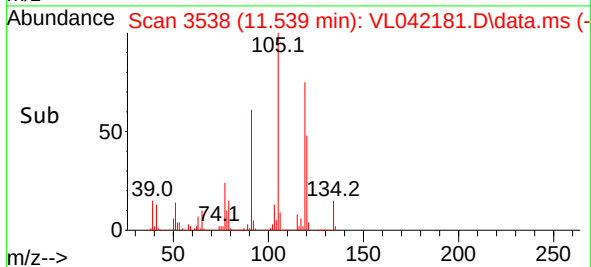
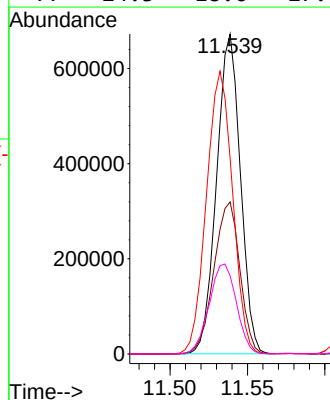
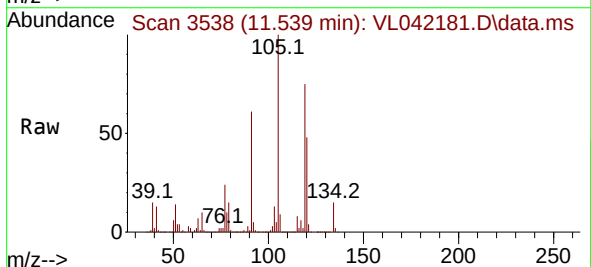
Ion Ratio Lower Upper

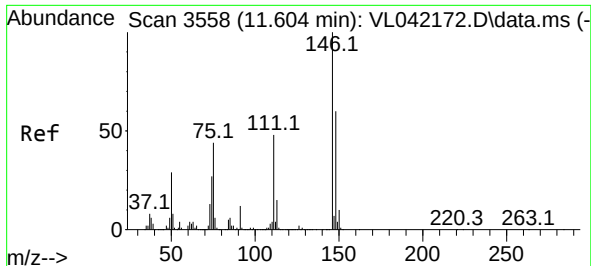
105 100

120 47.5 38.6 58.0

91 61.0 46.2 69.2

77 24.3 18.6 27.8

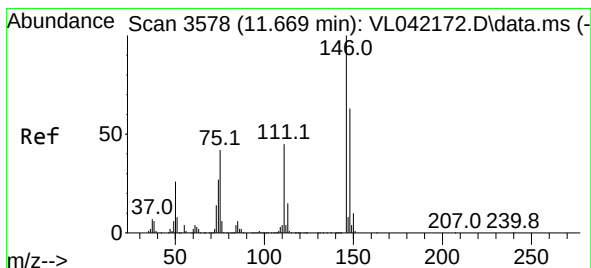
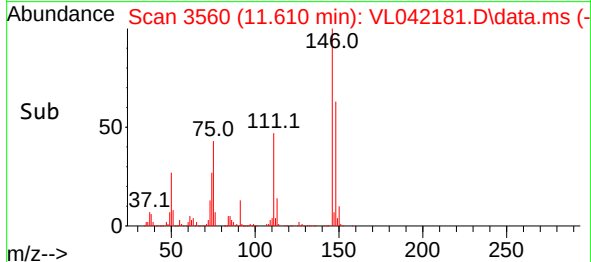
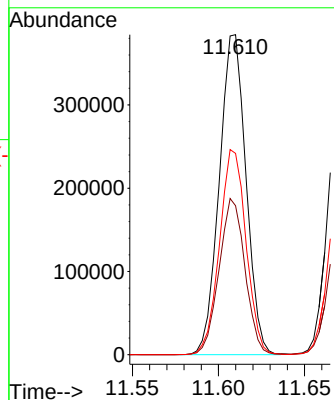
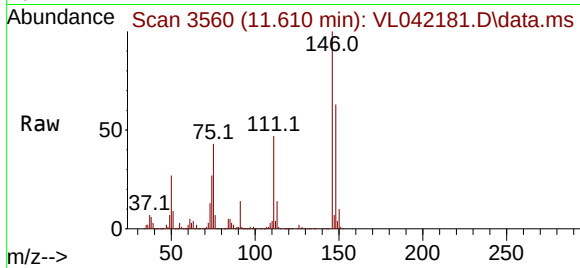




#75
1,3-Dichlorobenzene
Concen: 9.401 ppbv
RT: 11.610 min Scan# 3558
Delta R.T. 0.006 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

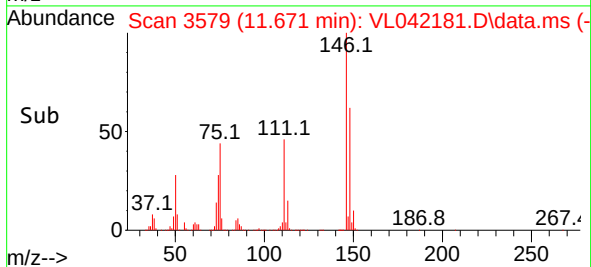
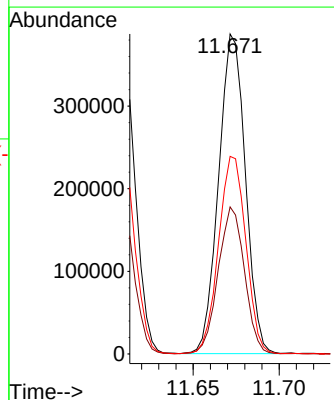
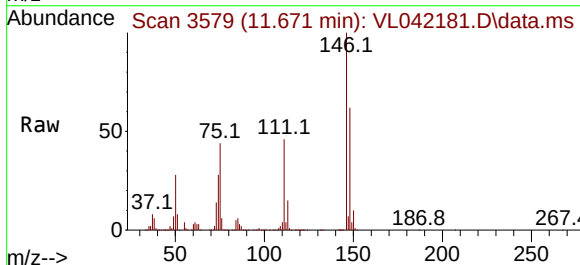
Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01

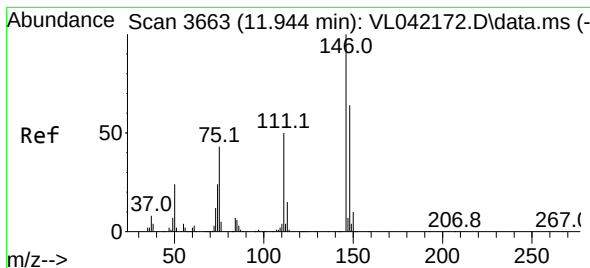
Tgt Ion:146 Resp: 415378
Ion Ratio Lower Upper
146 100
111 47.4 23.8 71.2
148 63.6 31.9 95.9



#76
1,4-Dichlorobenzene
Concen: 9.521 ppbv
RT: 11.671 min Scan# 3579
Delta R.T. 0.003 min
Lab File: VL042181.D
Acq: 27 Mar 2025 14:39

Tgt Ion:146 Resp: 418670
Ion Ratio Lower Upper
146 100
111 45.4 23.0 69.0
148 63.4 31.9 95.7





#77

1,2-Dichlorobenzene

Concen: 9.336 ppbv

RT: 11.947 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_L

ClientSampleId :

VL0327ABS01

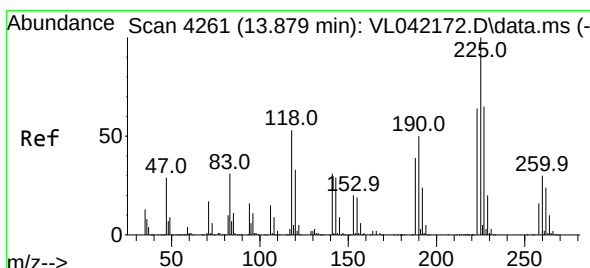
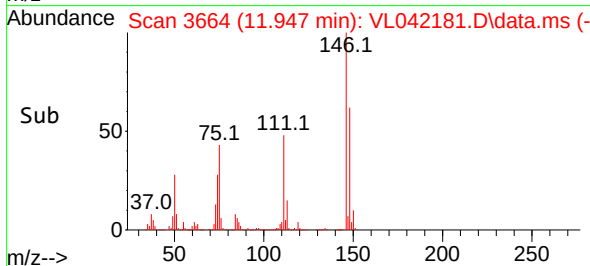
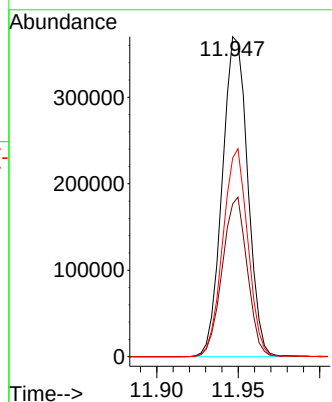
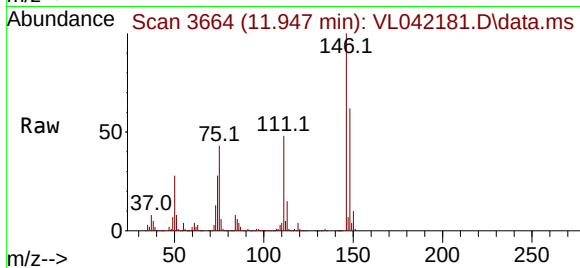
Tgt Ion:146 Resp: 401634

Ion Ratio Lower Upper

146 100

111 49.0 24.8 74.3

148 64.0 31.6 94.8



#78

Hexachloro-1,3-Butadiene

Concen: 7.914 ppbv

RT: 13.882 min Scan# 4262

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

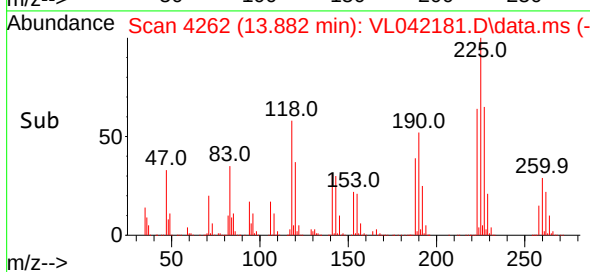
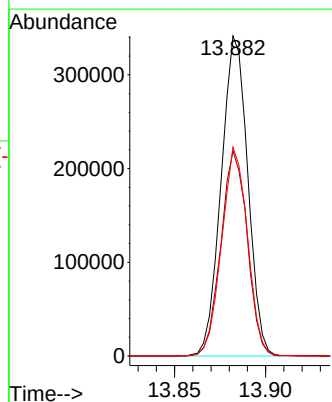
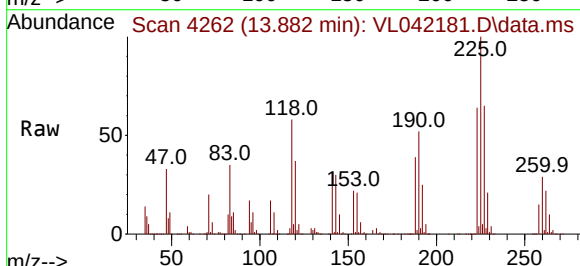
Tgt Ion:225 Resp: 346566

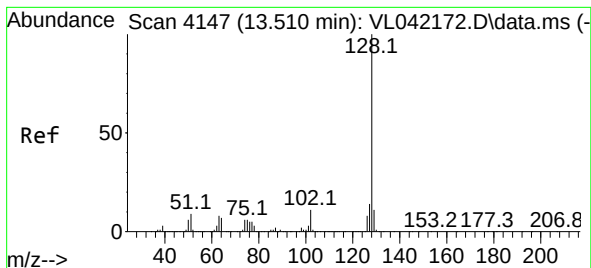
Ion Ratio Lower Upper

225 100

223 63.5 50.6 76.0

227 63.5 51.2 76.8





#79

Naphthalene

Concen: 8.659 ppbv

RT: 13.513 min Scan# 4147

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

Instrument :

MSVOA_L

ClientSampleId :

VL0327ABS01

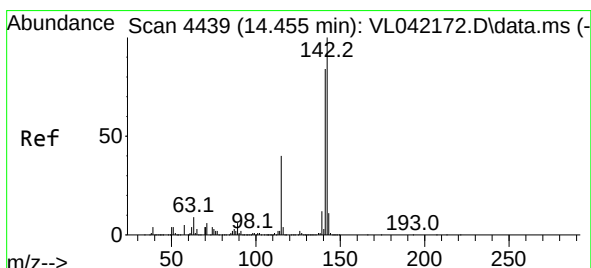
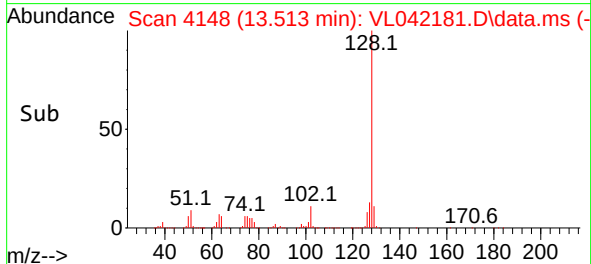
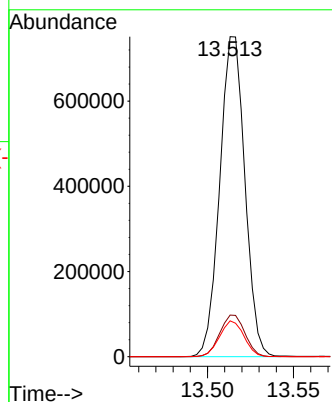
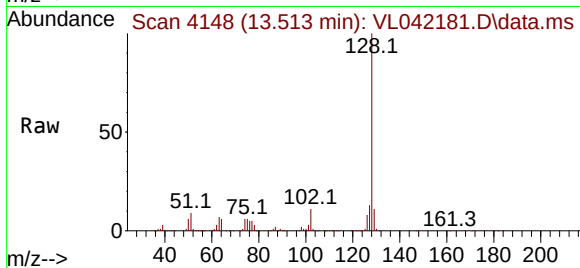
Tgt Ion:128 Resp: 762976

Ion Ratio Lower Upper

128 100

127 13.0 10.8 16.2

129 11.2 9.0 13.4



#80

Naphthalene,2-methyl-

Concen: 7.134 ppbv

RT: 14.458 min Scan# 4440

Delta R.T. 0.003 min

Lab File: VL042181.D

Acq: 27 Mar 2025 14:39

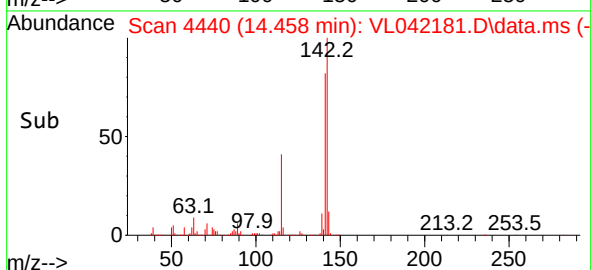
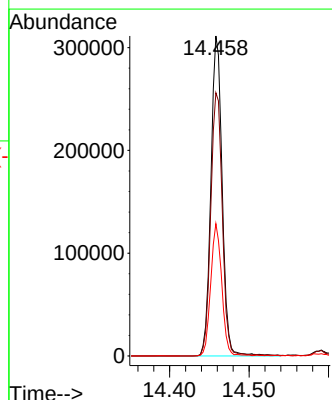
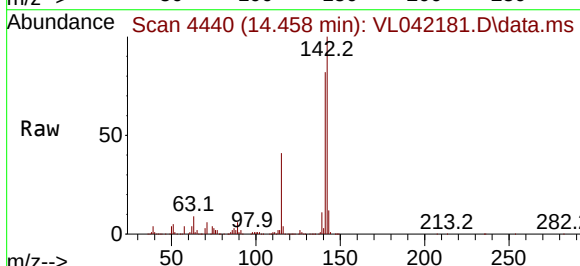
Tgt Ion:142 Resp: 308264

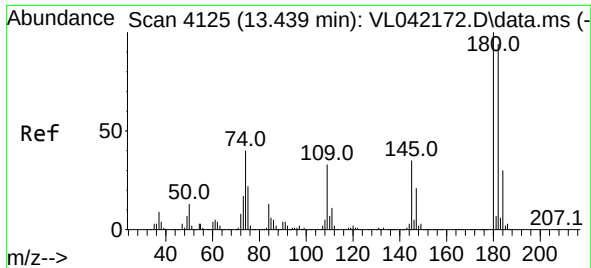
Ion Ratio Lower Upper

142 100

141 84.9 66.3 99.5

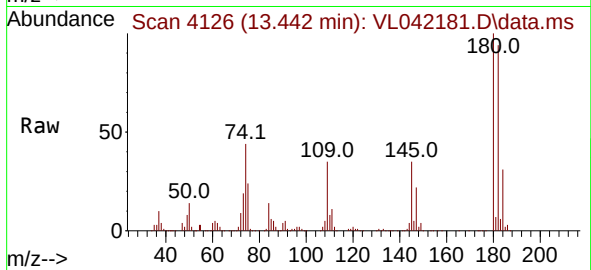
115 40.7 31.6 47.4





#81
 1,2,4-Trichlorobenzene
 Concen: 8.764 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042181.D
 Acq: 27 Mar 2025 14:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0327ABS01



Tgt Ion:180 Resp: 356193
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.1 112.7
 184 29.8 24.4 36.6

