

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042728.D
 Acq On : 22 Jul 2025 11:46
 Operator : SY/MD
 Sample : VSTDIC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Quant Time: Jul 23 01:48:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jul 23 01:27:20 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	100236	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	304254	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.879	117	261203	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	210506	9.971	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.554	85	535	0.034	ppbv	97
3) Chlorodifluoromethane	1.735	51	79	0.004	ppbv	95
4) Chloromethane	1.532	50	373	0.058	ppbv #	44
5) Vinyl Chloride	1.583	62	274	0.043	ppbv #	73
6) Bromomethane	1.667	94	111	0.043	ppbv #	42
7) Chloroethane	1.703	64	138	0.057	ppbv #	42
8) Dichlorotetrafluoroethane	1.554	85	535	0.041	ppbv #	82
9) Propene	1.774	41	474	0.075	ppbv	98
10) Heptane	4.975	43	299	0.017	ppbv #	1
11) Trichlorofluoromethane	2.137	101	476	0.030	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.519	101	39	0.003	ppbv	94
13) Ethanol	1.748	45	345	0.341	ppbv #	35
14) Bromoethene	1.784	108	186	0.041	ppbv #	1
15) Acetone	1.836	43	2000	0.119	ppbv	93
16) 1,3-Butadiene	1.612	39	642	0.089	ppbv #	81
17) tert-Butyl alcohol	2.040	59	523	0.033	ppbv #	69
18) 1,1-Dichloroethene	2.033	96	163	0.030	ppbv #	38
19) Isopropyl Alcohol	1.894	45	813	0.091	ppbv #	79
20) Methylene Chloride	2.062	84	1435	0.272	ppbv #	79
21) Allyl Chloride	2.095	41	990	0.092	ppbv #	70
22) trans-1,2-Dichloroethene	2.341	96	329	0.053	ppbv #	15
23) Vinyl Acetate	2.460	43	540	0.028	ppbv #	39
24) 1,1-Dichloroethane	2.405	63	597	0.049	ppbv #	89
25) Ethyl Acetate	2.826	43	501	0.016	ppbv #	75
26) Hexane	2.820	57	524	0.039	ppbv #	1
27) Carbon Disulfide	2.146	76	618	0.043	ppbv #	1
28) Methyl tert-Butyl Ether	2.438	73	456	0.058	ppbv #	87
29) Chloroform	3.050	83	20	0.001	ppbv	99
30) Cyclohexane	3.859	84	59	0.005	ppbv #	1
31) cis-1,2-Dichloroethene	2.719	61	496	0.034	ppbv #	81
32) 1,1,1-Trichloroethane	3.367	97	497	0.021	ppbv #	27
34) 2-Butanone	2.567	43	1240	0.059	ppbv #	89
35) Carbon Tetrachloride	3.762	117	188	0.008	ppbv #	14
36) Benzene	3.652	78	665	0.024	ppbv #	82
37) 1,2-Dichloroethane	3.221	62	193	0.011	ppbv #	82
38) Trichloroethene	4.545	130	217	0.016	ppbv #	52
39) 1,2-Dichloropropane	3.956	63	79338	7.538	ppbv #	21
40) 1,4-Dioxane	4.645	88	55	0.011	ppbv #	1
41) Tetrahydrofuran	3.062	42	170	0.016	ppbv #	36
42) Bromodichloromethane	4.490	83	456	0.019	ppbv #	82
43) Methyl Methacrylate	4.875	69	97	0.009	ppbv #	1
44) 2,2,4-Trimethylpentane	4.645	57	697	0.015	ppbv #	40
45) t-1,3-Dichloropropene	6.412	75	125	0.009	ppbv #	46

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042728.D
 Acq On : 22 Jul 2025 11:46
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

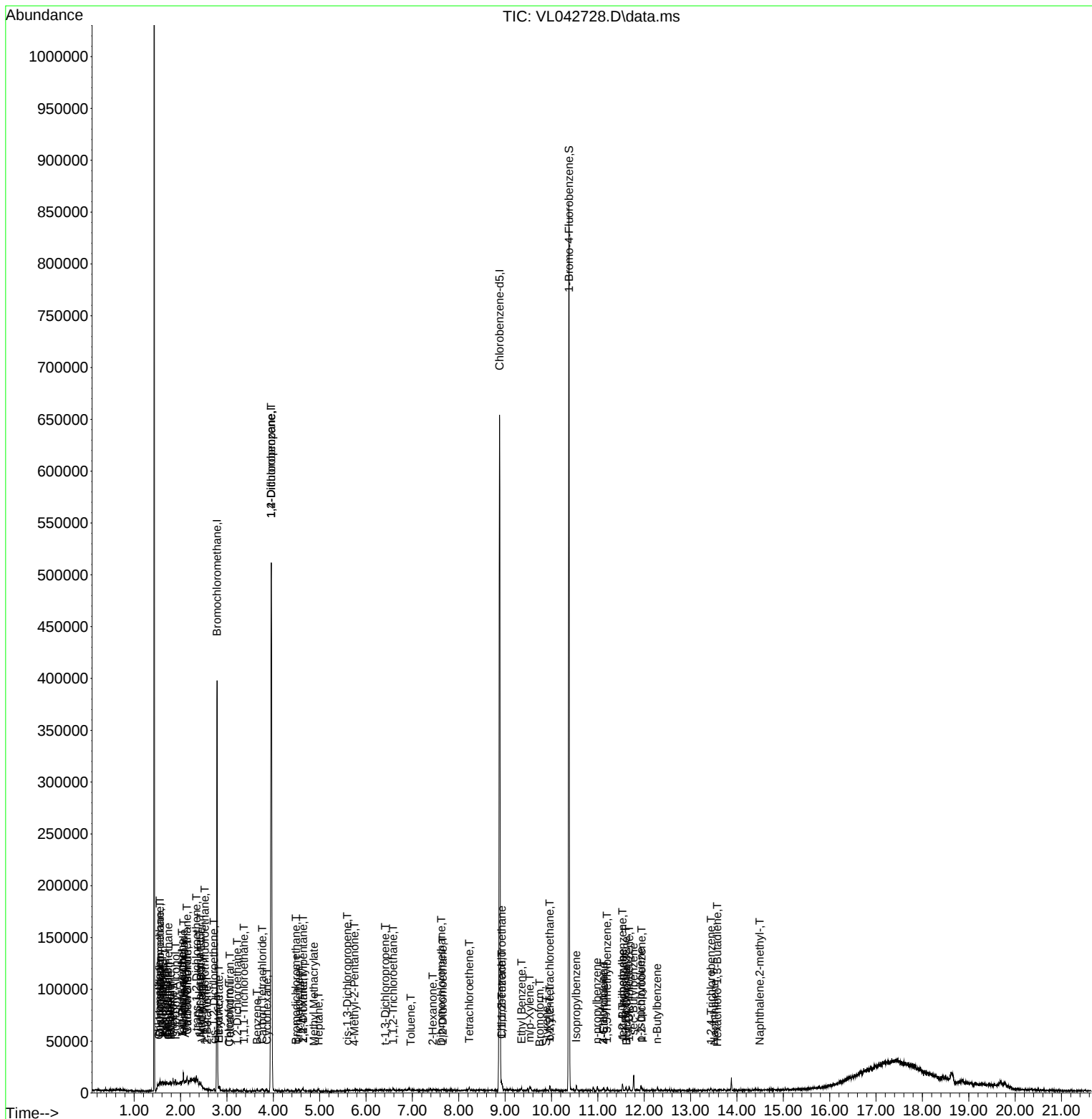
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

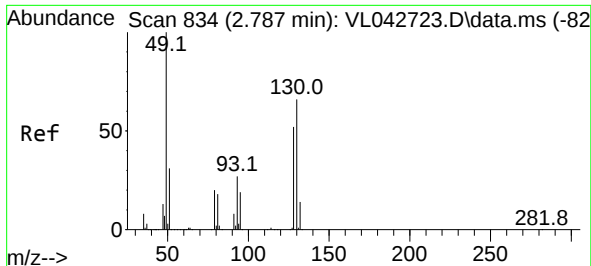
Quant Time: Jul 23 01:48:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jul 23 01:27:20 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) cis-1,3-Dichloropropene	5.593	75	277	0.017	ppbv	#	50
47) 1,1,2-Trichloroethane	6.584	97	251	0.022	ppbv	#	14
48) Dibromochloromethane	7.623	129	26	0.001	ppbv		88
49) Bromoform	9.746	173	56	0.003	ppbv		91
50) 4-Methyl-2-Pentanone	5.749	43	10	0.000	ppbv	#	1
51) 2-Hexanone	7.438	43	149	0.007	ppbv	#	30
52) Tetrachloroethene	8.225	164	217	0.019	ppbv	#	57
53) Toluene	6.963	91	79	0.002	ppbv		97
54) 1,2-Dibromoethane	7.655	107	266	0.015	ppbv	#	25
56) 1,1,1,2-Tetrachloroethane	8.927	131	395	0.028	ppbv	#	6
57) Chlorobenzene	8.924	112	420	0.017	ppbv	#	41
58) Ethyl Benzene	9.354	91	1291	0.030	ppbv		96
59) m/p-Xylene	9.529	91	849	0.024	ppbv	#	30
60) o-Xylene	9.960	91	1078	0.031	ppbv		90
61) Styrene	9.885	104	77	0.005	ppbv	#	1
62) Isopropylbenzene	10.533	105	677	0.013	ppbv	#	41
63) 1,1,2,2-Tetrachloroethane	9.963	83	618	0.031	ppbv		89
64) n-propylbenzene	10.979	120	86	0.007	ppbv	#	1
65) tert-Butylbenzene	11.530	119	962	0.021	ppbv	#	44
66) Benzyl Chloride	11.620	91	36	0.008	ppbv	#	1
67) sec-Butylbenzene	11.766	105	1919	0.030	ppbv		93
69) p-Isopropyltoluene	11.924	119	1010	0.019	ppbv	#	58
70) n-Butylbenzene	12.277	91	514	0.010	ppbv	#	20
71) 2-Chlorotoluene	11.115	91	81	0.002	ppbv		99
72) 4-Ethyltoluene	11.128	105	1127	0.027	ppbv	#	93
73) 1,3,5-Trimethylbenzene	11.199	105	662	0.019	ppbv	#	76
74) 1,2,4-Trimethylbenzene	11.530	105	549	0.014	ppbv	#	66
75) 1,3-Dichlorobenzene	11.604	146	268	0.011	ppbv	#	1
76) 1,4-Dichlorobenzene	11.675	146	801	0.032	ppbv		89
77) 1,2-Dichlorobenzene	11.944	146	624	0.026	ppbv		91
78) Hexachloro-1,3-Butadiene	13.575	225	42	0.002	ppbv		91
79) Naphthalene	13.514	128	419	0.015	ppbv	#	79
80) Naphthalene,2-methyl-	14.491	142	131	0.014	ppbv	#	62
81) 1,2,4-Trichlorobenzene	13.442	180	188	0.011	ppbv	#	39

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

Quant Time: Jul 23 01:48:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Jul 23 01:27:20 2025
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 2.787 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL042728.D

Acq: 22 Jul 2025 11:46

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.03

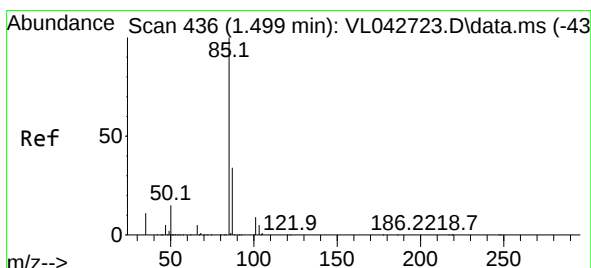
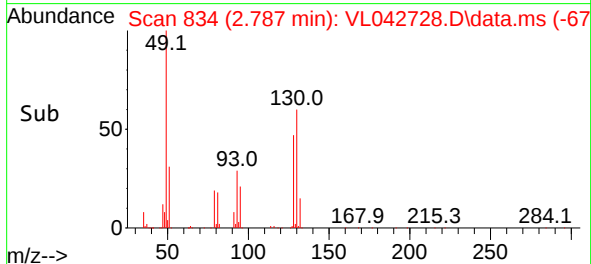
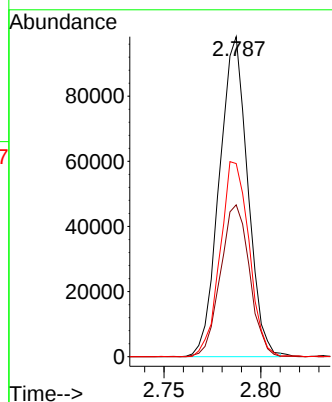
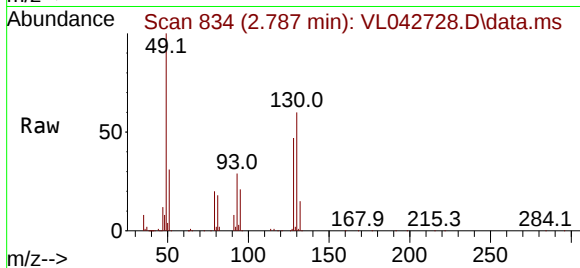
Tgt Ion: 49 Resp: 100236

Ion Ratio Lower Upper

49 100

128 48.6 24.5 73.5

130 62.1 31.7 95.1



#2

Dichlorodifluoromethane

Concen: 0.034 ppbv

RT: 1.554 min Scan# 453

Delta R.T. 0.055 min

Lab File: VL042728.D

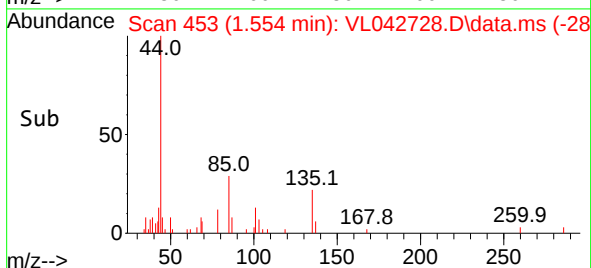
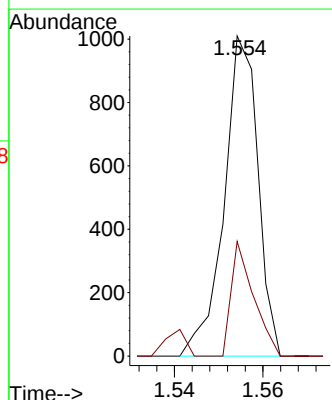
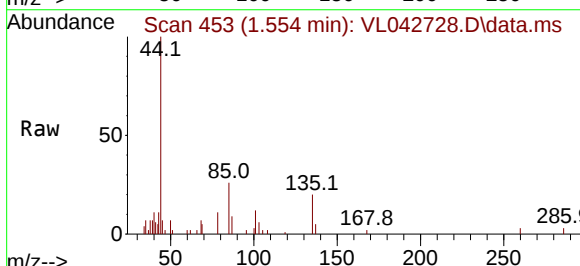
Acq: 22 Jul 2025 11:46

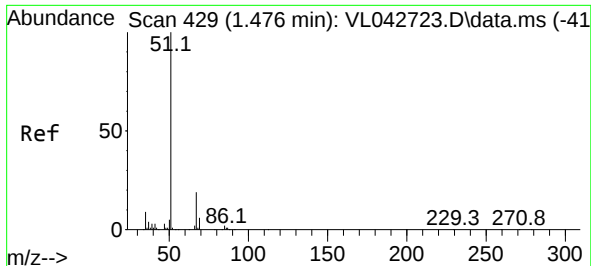
Tgt Ion: 85 Resp: 535

Ion Ratio Lower Upper

85 100

87 35.8 27.5 41.3

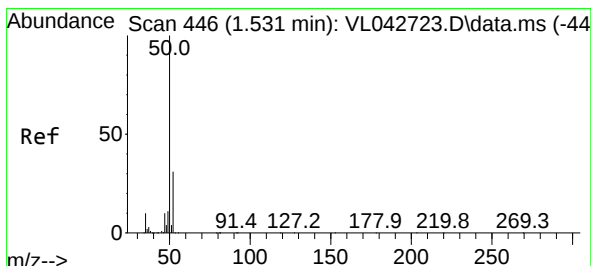
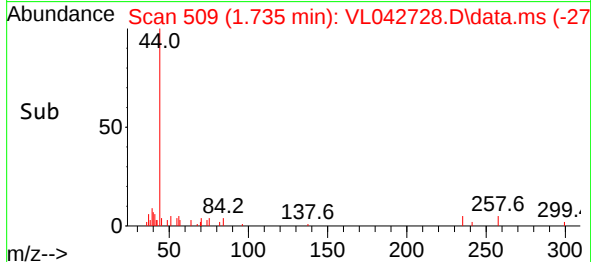
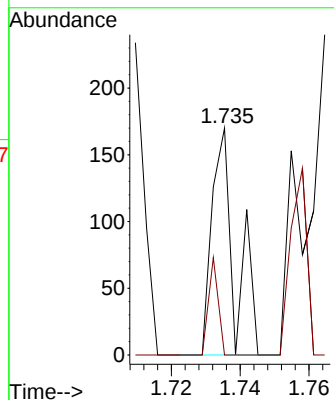
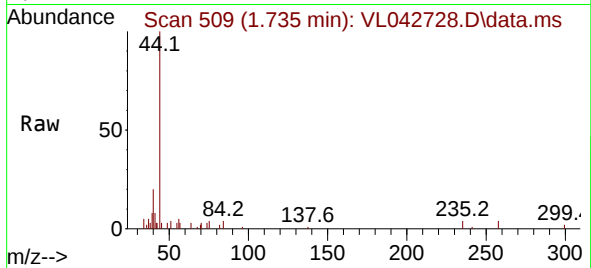




#3
Chlorodifluoromethane
Concen: 0.004 ppbv
RT: 1.735 min Scan# 509
Delta R.T. 0.259 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

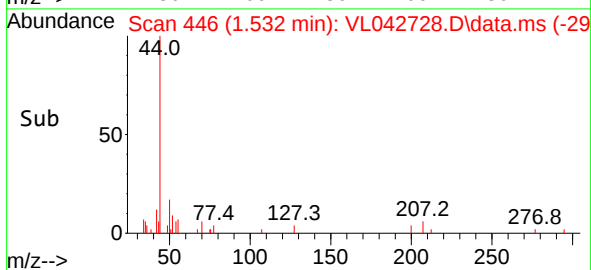
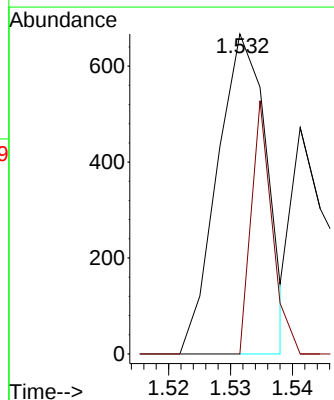
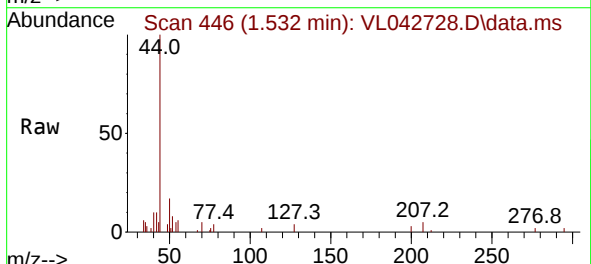
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

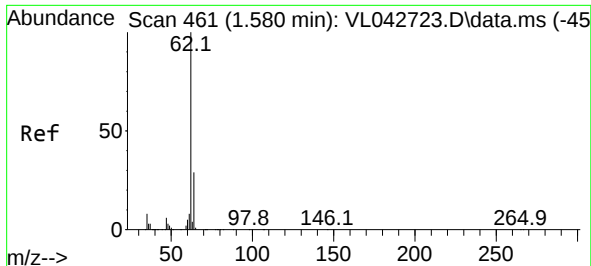
Tgt Ion: 51 Resp: 79
Ion Ratio Lower Upper
51 100
67 17.7 16.0 24.0



#4
Chloromethane
Concen: 0.058 ppbv
RT: 1.532 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

Tgt Ion: 50 Resp: 373
Ion Ratio Lower Upper
50 100
52 0.0 24.9 37.3#

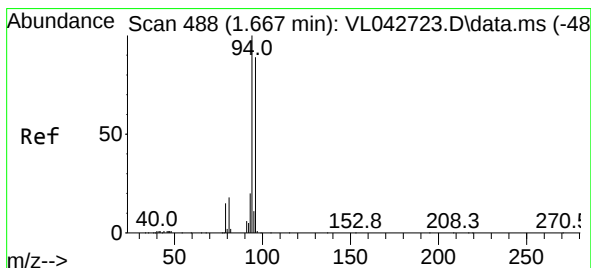
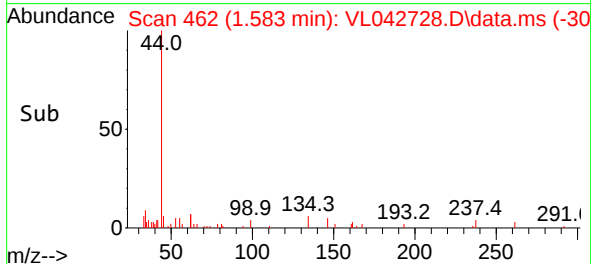
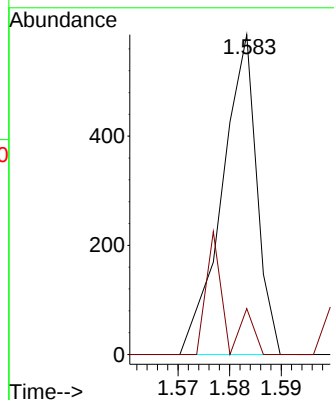
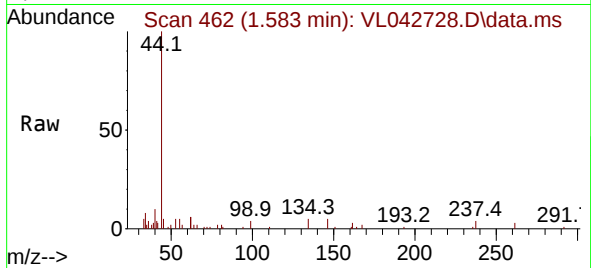




#5
 Vinyl Chloride
 Concen: 0.043 ppbv
 RT: 1.583 min Scan# 461
 Delta R.T. 0.004 min
 Lab File: VL042728.D
 Acq: 22 Jul 2025 11:46

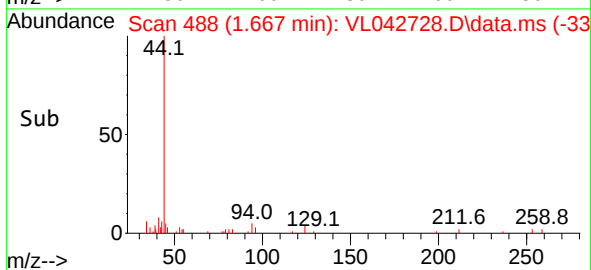
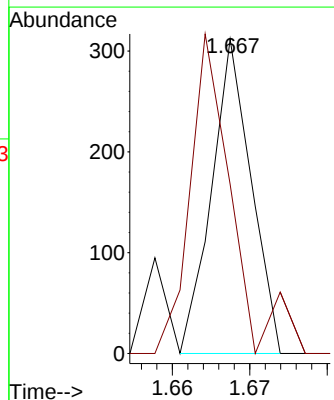
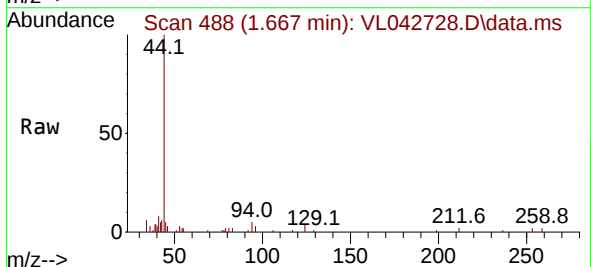
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.03

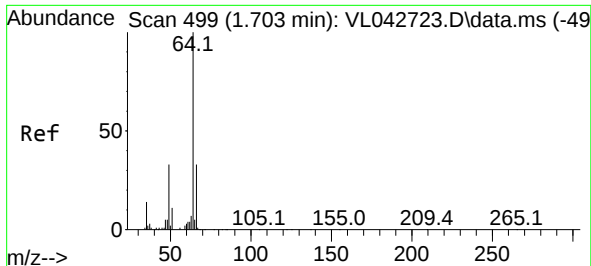
Tgt Ion: 62 Resp: 274
 Ion Ratio Lower Upper
 62 100
 64 14.3 23.0 34.6#



#6
 Bromomethane
 Concen: 0.043 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042728.D
 Acq: 22 Jul 2025 11:46

Tgt Ion: 94 Resp: 111
 Ion Ratio Lower Upper
 94 100
 96 34.3 71.1 106.7#

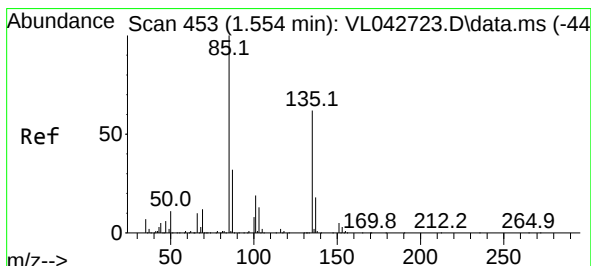
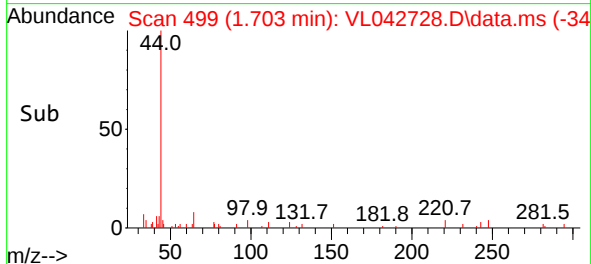
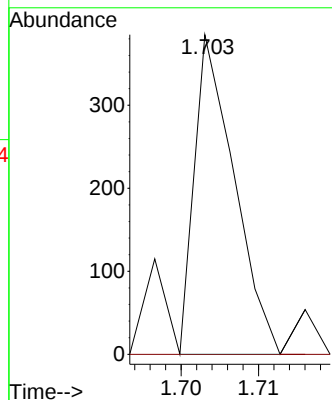
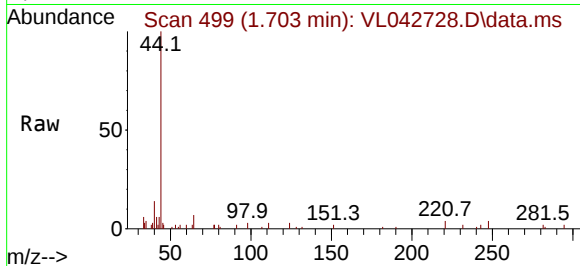




#7
Chloroethane
Concen: 0.057 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

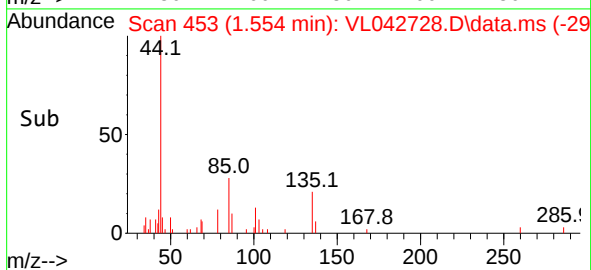
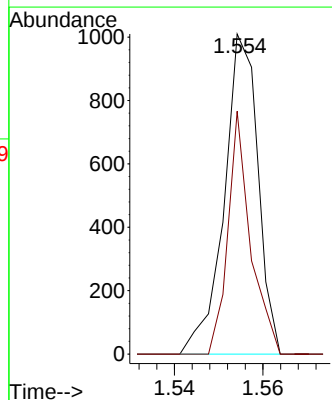
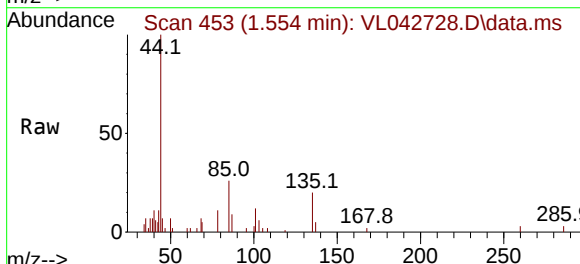
Instrument :
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ClientSampleId :
VSTDIC0.03

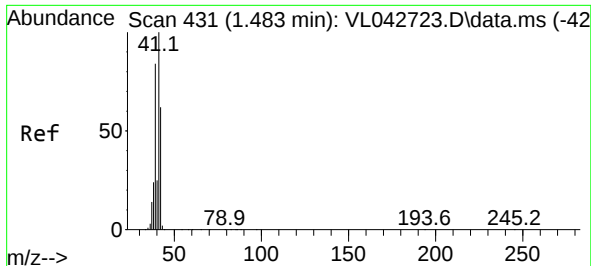
Tgt Ion: 64 Resp: 138
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#8
Dichlorotetrafluoroethane
Concen: 0.041 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

Tgt Ion: 85 Resp: 535
Ion Ratio Lower Upper
85 100
135 50.5 52.0 78.0#





#9

Propene

Concen: 0.075 ppbv

RT: 1.774 min Scan# 51

Delta R.T. 0.292 min

Lab File: VL042728.D

Acq: 22 Jul 2025 11:46

Instrument :

MSVOA_L

ClientSampleId :

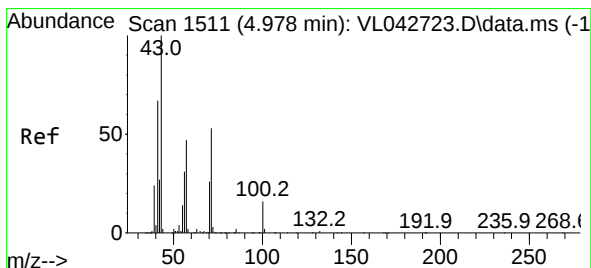
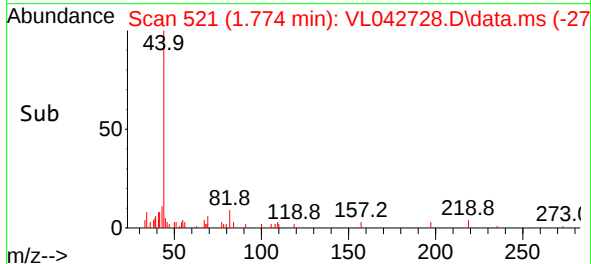
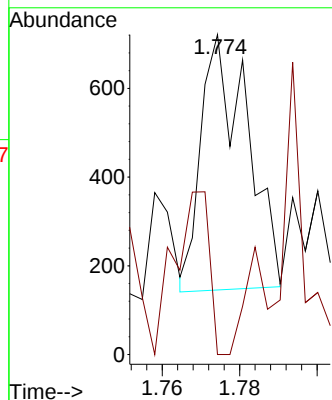
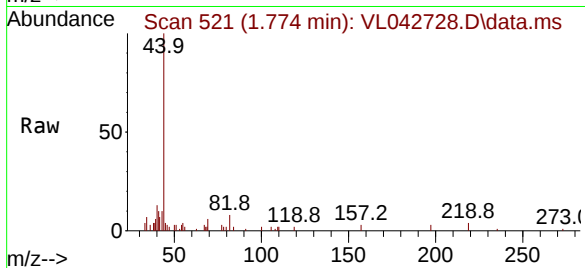
VSTDICC0.03

Tgt Ion: 41 Resp: 474

Ion Ratio Lower Upper

41 100

42 66.2 52.0 78.0



#10

Heptane

Concen: 0.017 ppbv

RT: 4.975 min Scan# 1510

Delta R.T. -0.003 min

Lab File: VL042728.D

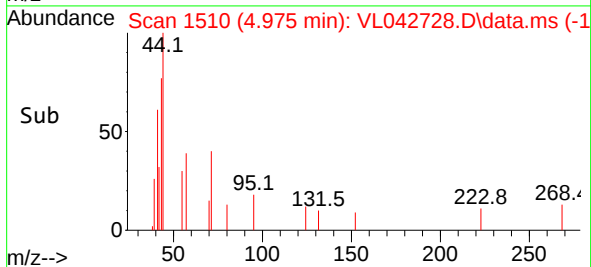
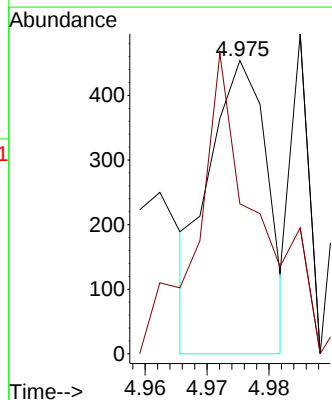
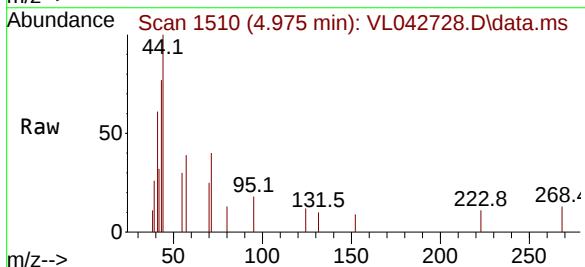
Acq: 22 Jul 2025 11:46

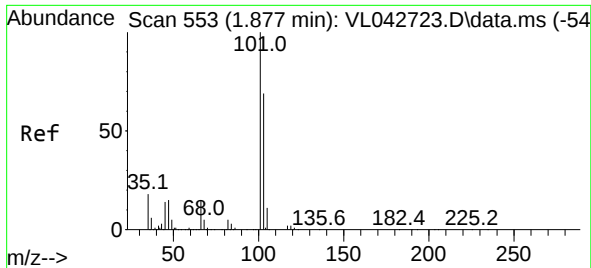
Tgt Ion: 43 Resp: 299

Ion Ratio Lower Upper

43 100

57 128.4 39.1 58.7#

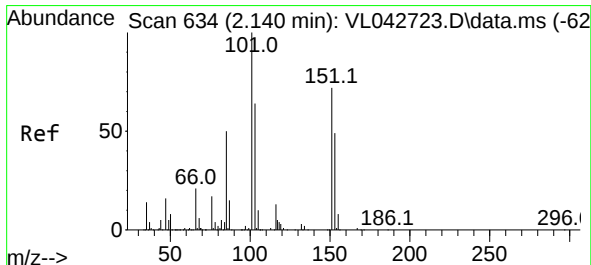
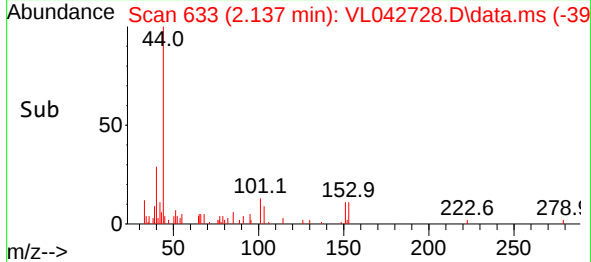
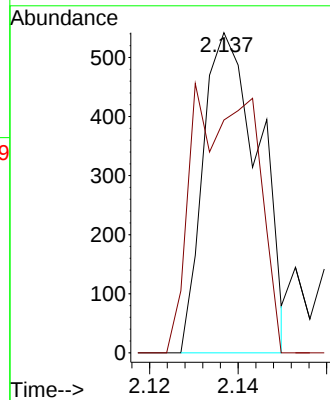
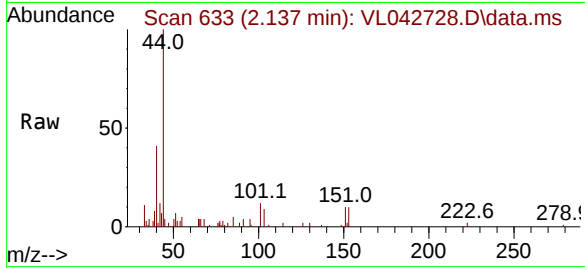




#11
Trichlorofluoromethane
Concen: 0.030 ppbv
RT: 2.137 min Scan# 61
Delta R.T. 0.259 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

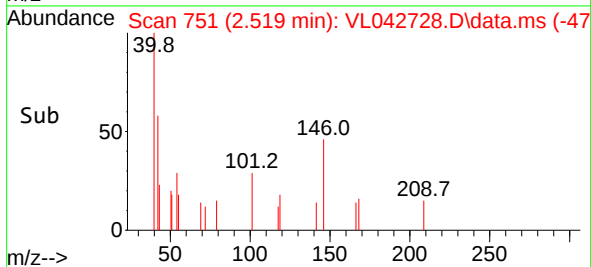
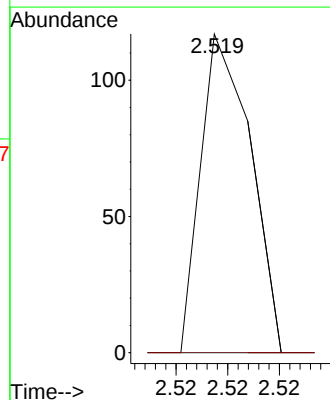
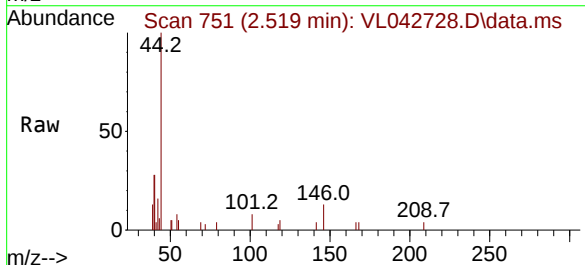
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

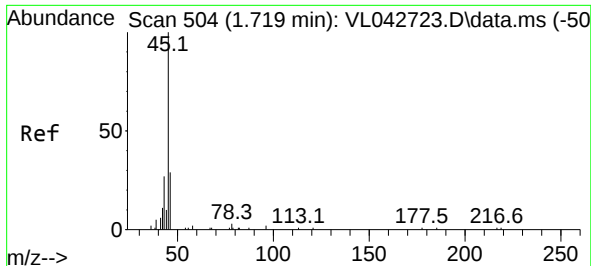
Tgt Ion:101 Resp: 476
Ion Ratio Lower Upper
101 100
103 72.7 55.2 82.8



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.003 ppbv
RT: 2.519 min Scan# 751
Delta R.T. 0.379 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

Tgt Ion:101 Resp: 39
Ion Ratio Lower Upper
101 100
151 69.2 59.1 88.7

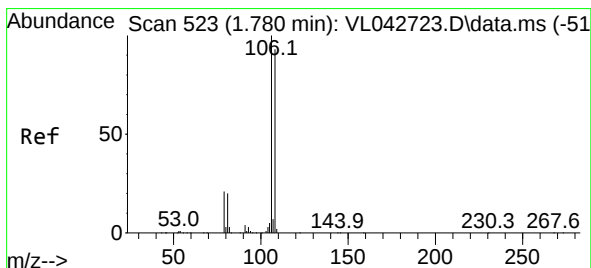
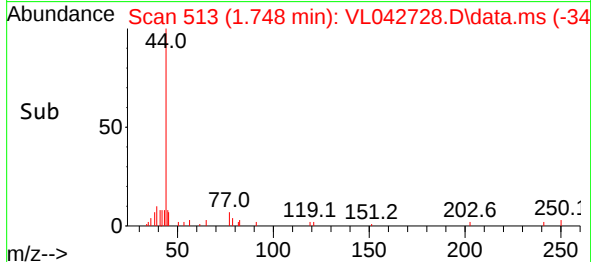
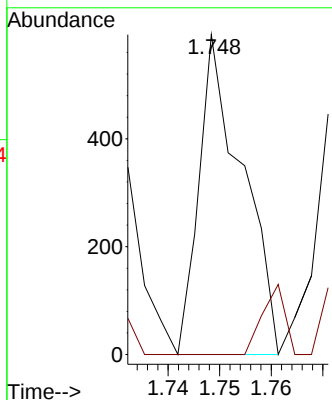
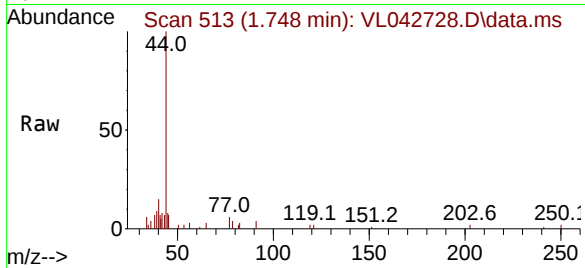




#13
 Ethanol
 Concen: 0.341 ppbv
 RT: 1.748 min Scan# 513
 Delta R.T. 0.030 min
 Lab File: VL042728.D
 Acq: 22 Jul 2025 11:46

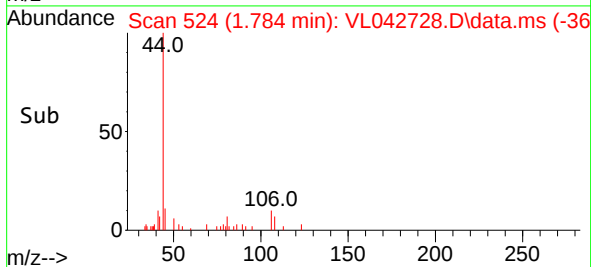
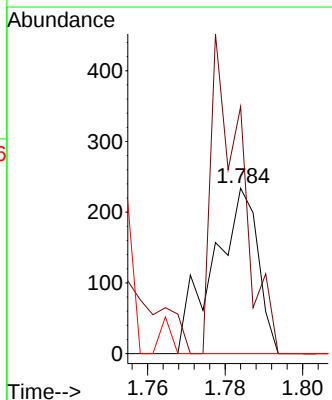
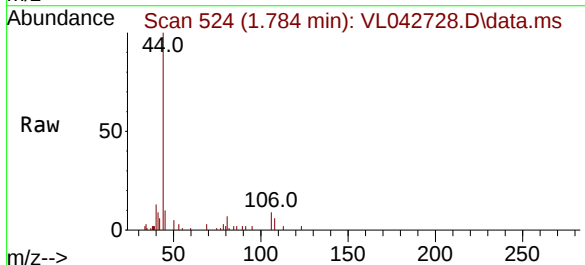
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

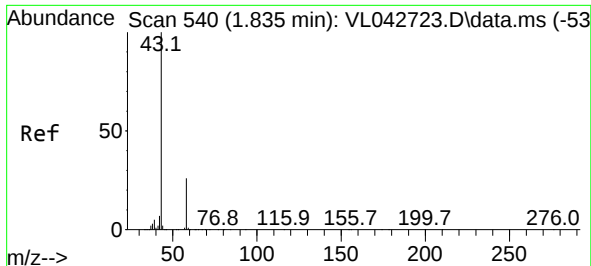
Tgt Ion: 45 Resp: 345
 Ion Ratio Lower Upper
 45 100
 46 0.0 16.3 65.1#



#14
 Bromoethene
 Concen: 0.041 ppbv
 RT: 1.784 min Scan# 524
 Delta R.T. 0.004 min
 Lab File: VL042728.D
 Acq: 22 Jul 2025 11:46

Tgt Ion: 108 Resp: 186
 Ion Ratio Lower Upper
 108 100
 106 166.7 85.4 128.0#
 79 195.7 17.4 26.2#

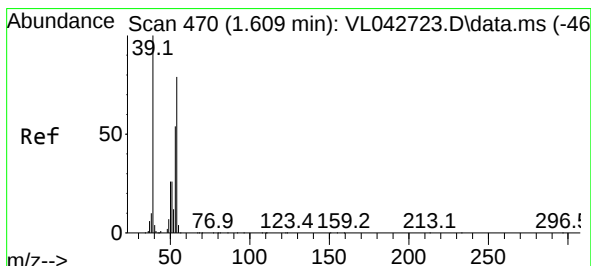
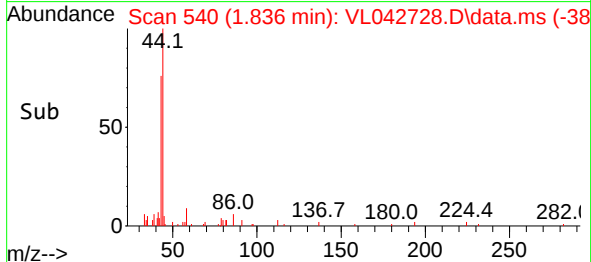
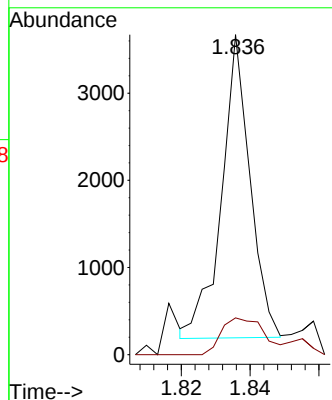
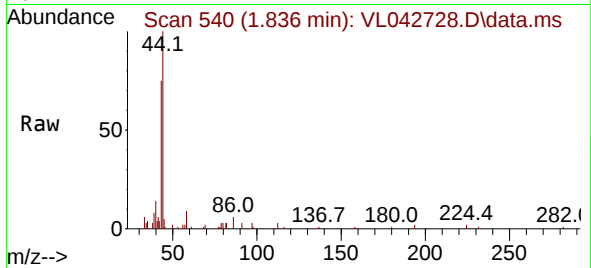




#15
Acetone
Concen: 0.119 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

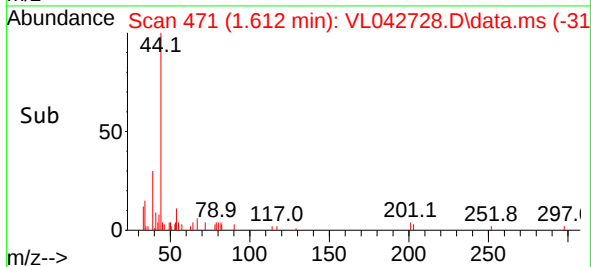
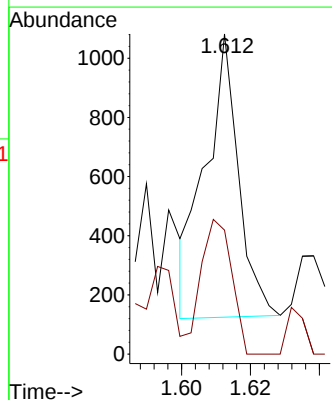
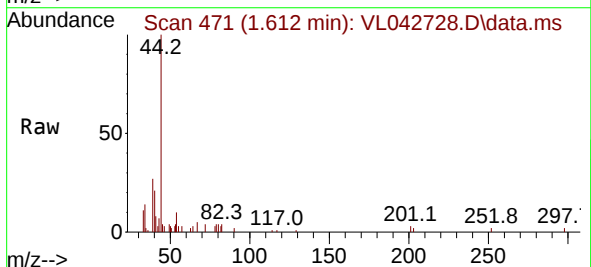
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.03

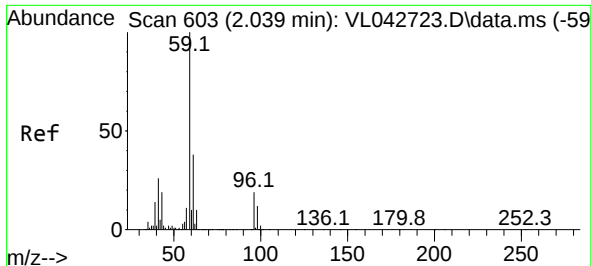
Tgt Ion: 43 Resp: 2000
Ion Ratio Lower Upper
43 100
58 22.1 20.5 30.7



#16
1,3-Butadiene
Concen: 0.089 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.004 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

Tgt Ion: 39 Resp: 642
Ion Ratio Lower Upper
39 100
54 83.3 54.6 82.0#





#17

tert-Butyl alcohol

Concen: 0.033 ppbv

RT: 2.040 min Scan# 603

Delta R.T. 0.000 min

Lab File: VL042728.D

Acq: 22 Jul 2025 11:46

Instrument :

MSVOA_L

ClientSampleId :

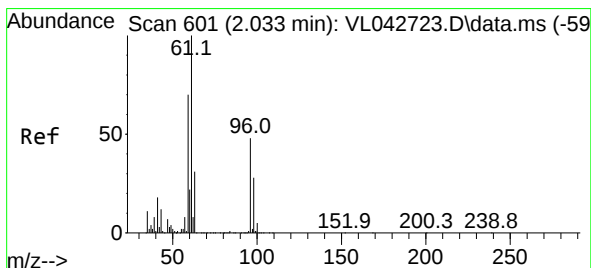
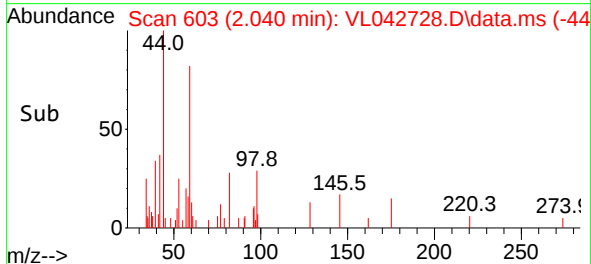
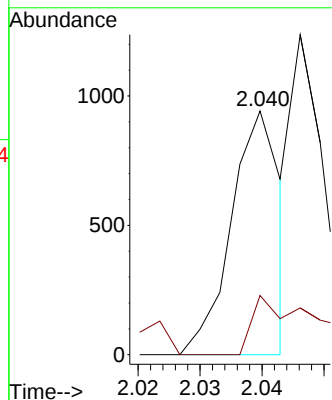
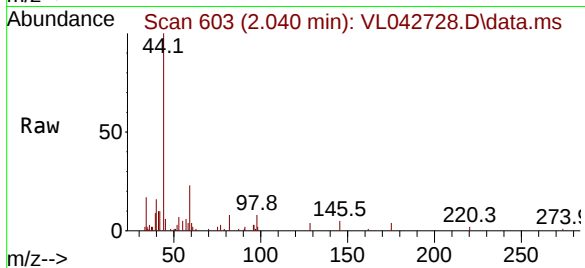
VSTDIC0.03

Tgt Ion: 59 Resp: 523

Ion Ratio Lower Upper

59 100

57 23.1 9.1 13.7#



#18

1,1-Dichloroethene

Concen: 0.030 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.000 min

Lab File: VL042728.D

Acq: 22 Jul 2025 11:46

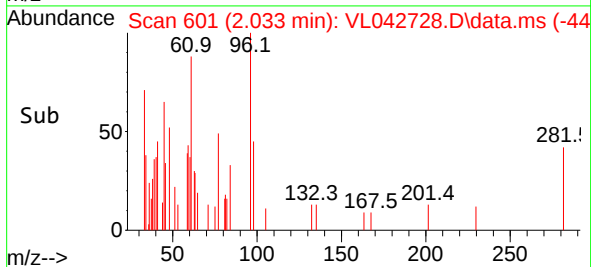
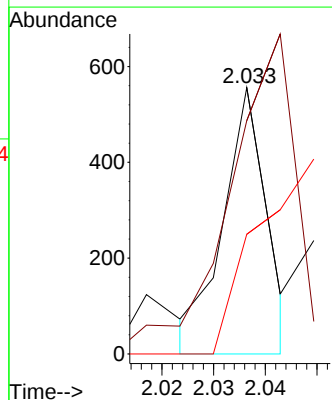
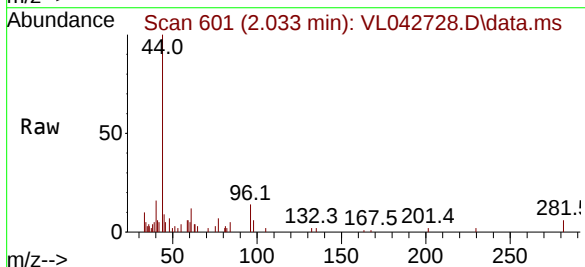
Tgt Ion: 96 Resp: 163

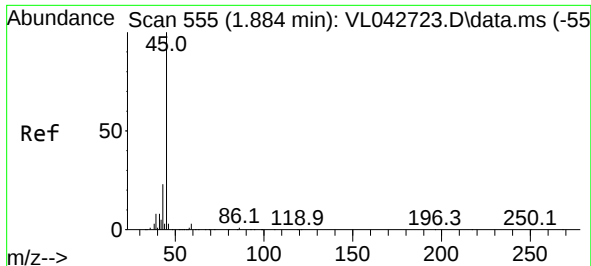
Ion Ratio Lower Upper

96 100

61 88.8 166.2 249.4#

98 51.8 46.1 69.1





#19

Isopropyl Alcohol

Concen: 0.091 ppbv

RT: 1.894 min Scan# 51

Delta R.T. 0.010 min

Lab File: VL042728.D

Acq: 22 Jul 2025 11:46

Instrument :

MSVOA_L

ClientSampleId :

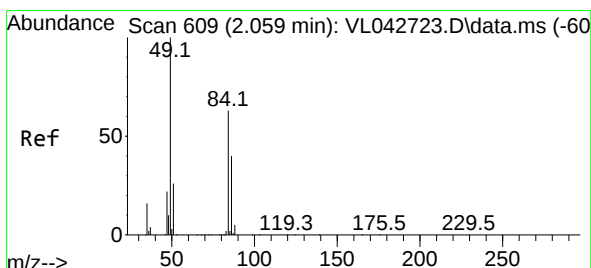
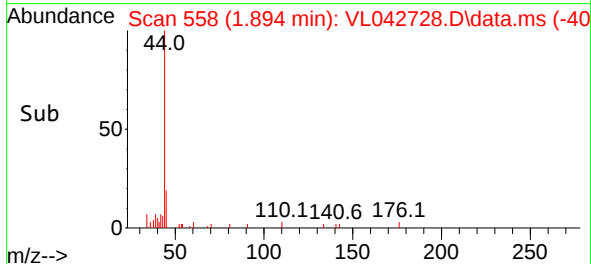
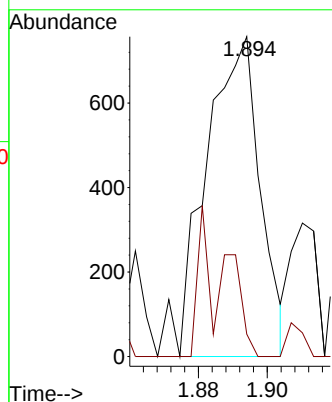
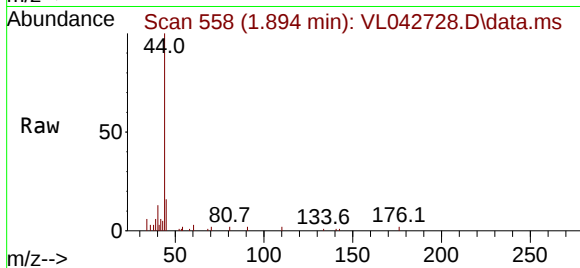
VSTDICC0.03

Tgt Ion: 45 Resp: 813

Ion Ratio Lower Upper

45 100

58 25.8 30.6 46.0#



#20

Methylene Chloride

Concen: 0.272 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.004 min

Lab File: VL042728.D

Acq: 22 Jul 2025 11:46

Tgt Ion: 84 Resp: 1435

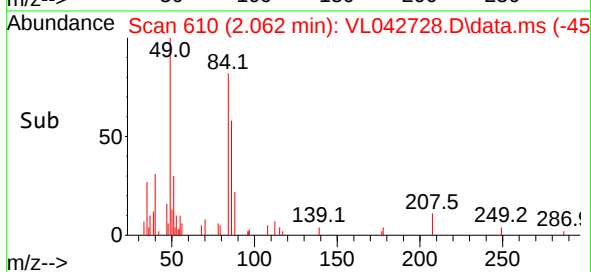
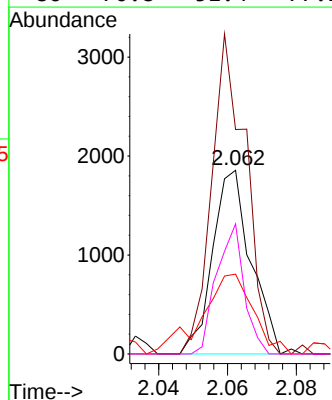
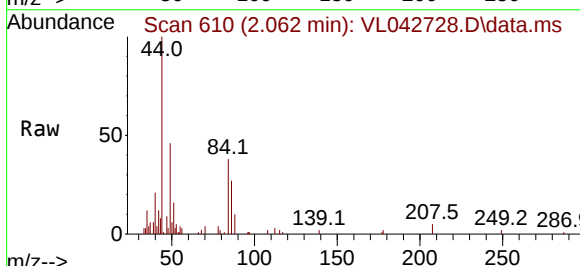
Ion Ratio Lower Upper

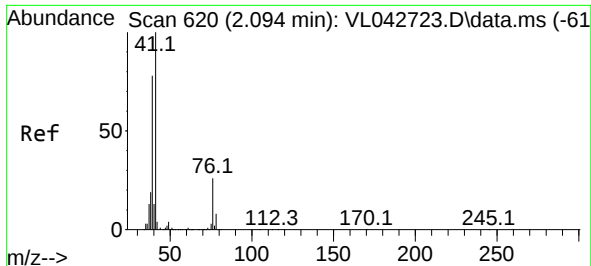
84 100

49 122.2 128.2 192.4#

51 36.6 34.5 51.7

86 70.8 51.4 77.2





#21

Allyl Chloride

Concen: 0.092 ppbv

RT: 2.095 min Scan# 61

Delta R.T. 0.000 min

Lab File: VL042728.D

Acq: 22 Jul 2025 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

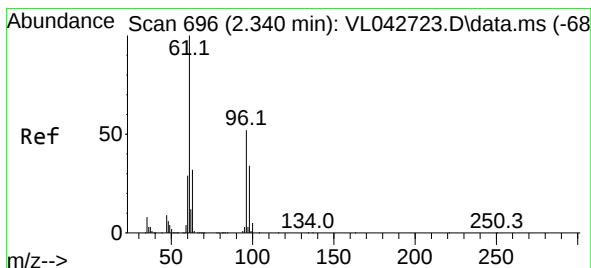
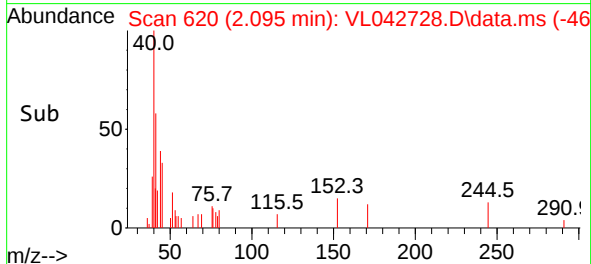
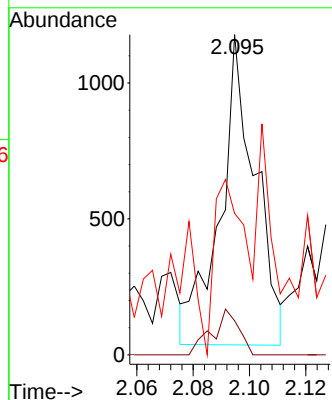
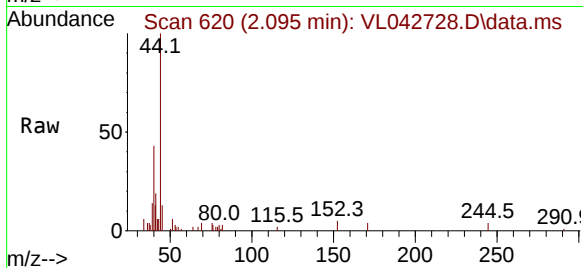
Tgt Ion: 41 Resp: 990

Ion Ratio Lower Upper

41 100

76 11.0 22.1 33.1#

39 106.8 64.7 97.1#



#22

trans-1,2-Dichloroethene

Concen: 0.053 ppbv

RT: 2.341 min Scan# 696

Delta R.T. 0.000 min

Lab File: VL042728.D

Acq: 22 Jul 2025 11:46

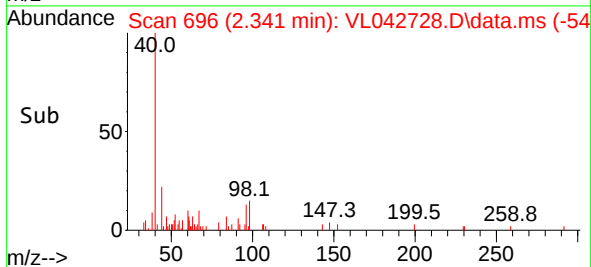
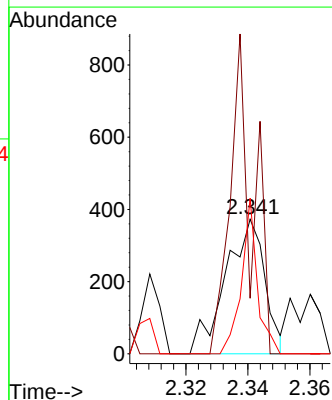
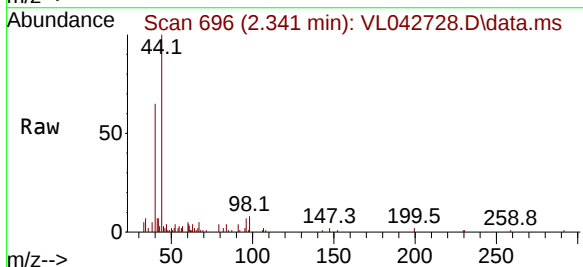
Tgt Ion: 96 Resp: 329

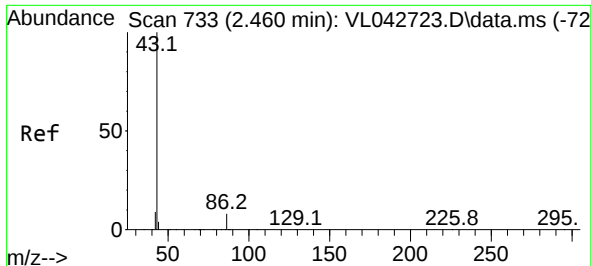
Ion Ratio Lower Upper

96 100

61 56.0 154.6 232.0#

98 115.5 53.1 79.7#

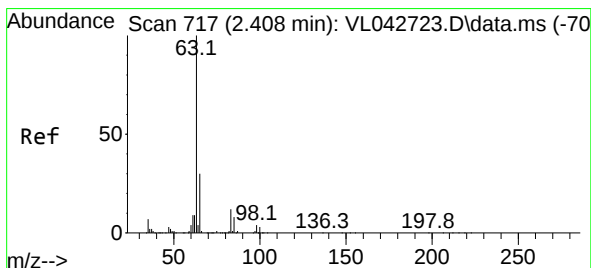
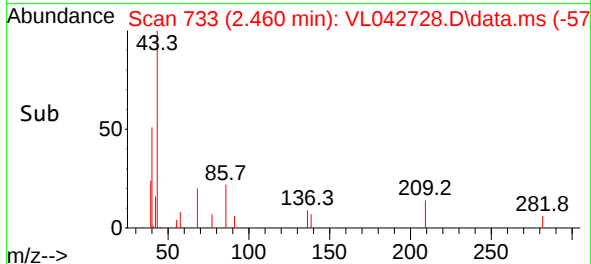
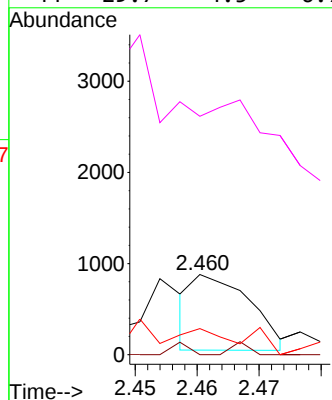
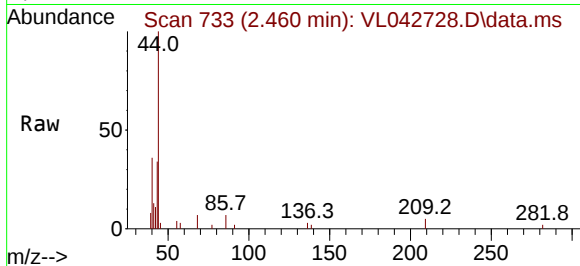




#23
 Vinyl Acetate
 Concen: 0.028 ppbv
 RT: 2.460 min Scan# 716
 Delta R.T. 0.000 min
 Lab File: VL042728.D
 Acq: 22 Jul 2025 11:46

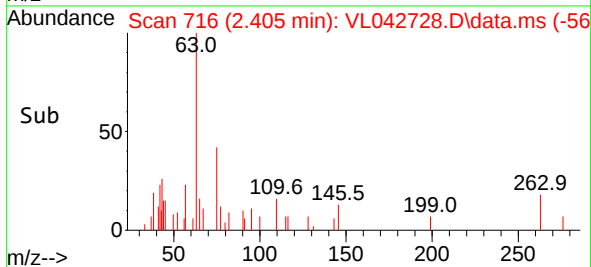
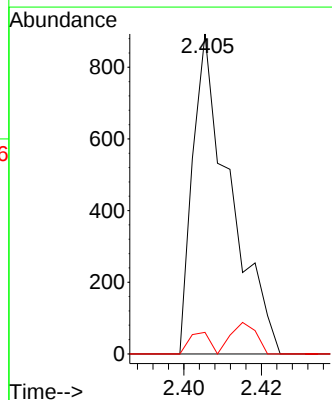
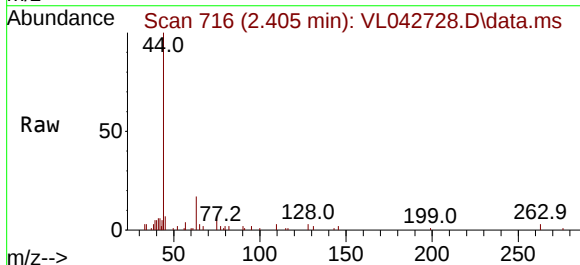
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

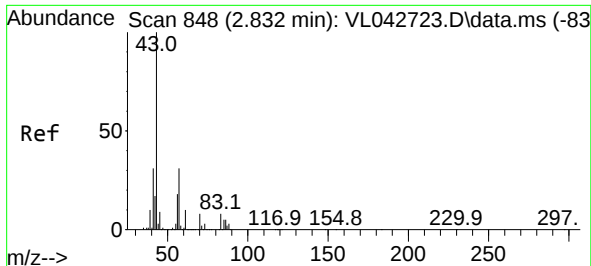
Tgt Ion: 43	Resp:	540
Ion	Ratio	Lower Upper
43	100	
86	0.0	5.7 8.5#
42	40.5	7.9 11.9#
44	29.7	4.5 6.7#



#24
 1,1-Dichloroethane
 Concen: 0.049 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042728.D
 Acq: 22 Jul 2025 11:46

Tgt Ion: 63	Resp:	597
Ion	Ratio	Lower Upper
63	100	
98	0.0	2.0 5.8#
100	6.7	1.6 4.7#





#25

Ethyl Acetate

Concen: 0.016 ppbv

RT: 2.826 min Scan# 84

Delta R.T. -0.006 min

Lab File: VL042728.D

Acq: 22 Jul 2025 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

Tgt Ion: 43 Resp: 501

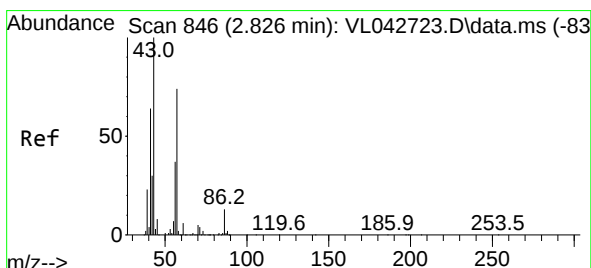
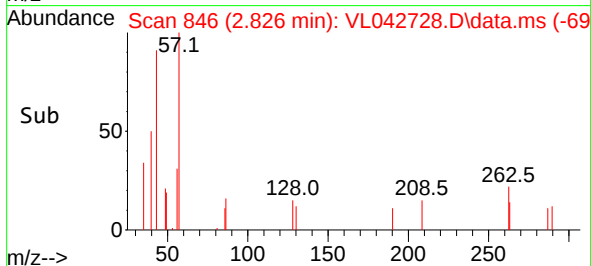
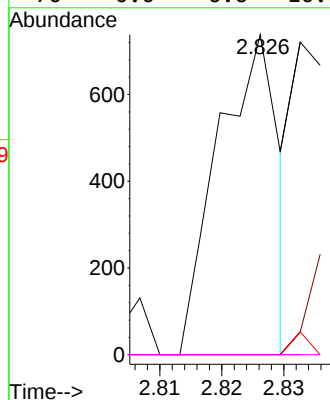
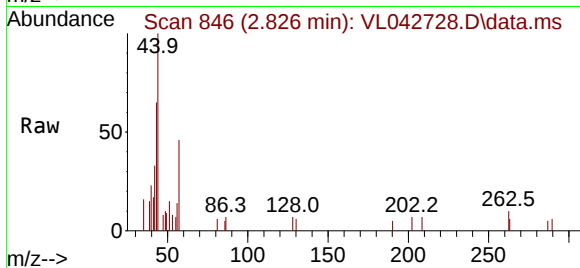
Ion Ratio Lower Upper

43 100

45 0.0 7.8 11.6#

61 0.0 7.0 10.6#

70 0.0 6.6 10.0#



#26

Hexane

Concen: 0.039 ppbv

RT: 2.820 min Scan# 844

Delta R.T. -0.006 min

Lab File: VL042728.D

Acq: 22 Jul 2025 11:46

Tgt Ion: 57 Resp: 524

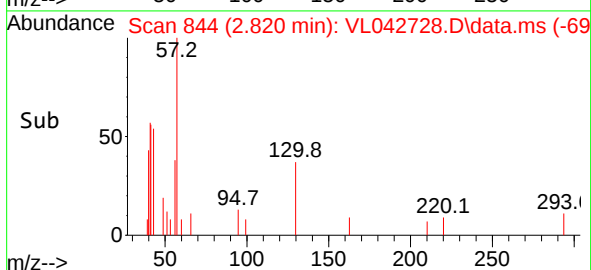
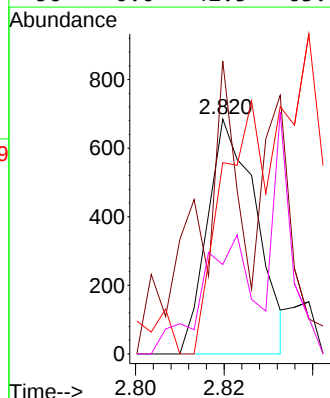
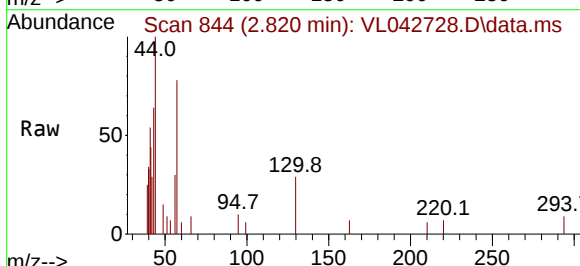
Ion Ratio Lower Upper

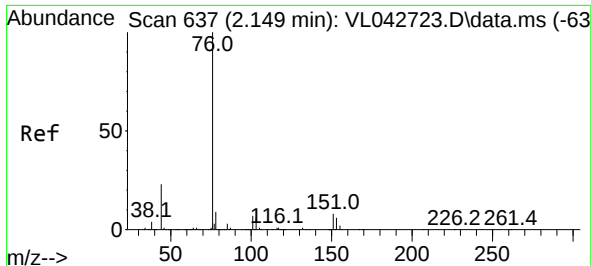
57 100

41 214.1 77.3 115.9#

43 0.0 182.3 273.5#

56 0.0 42.5 63.7#

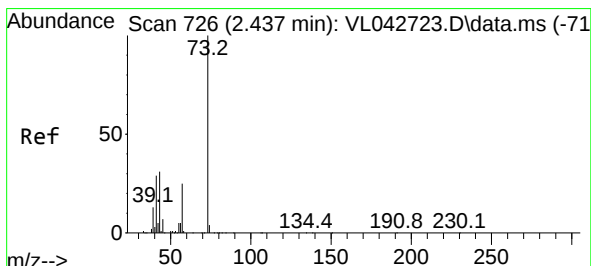
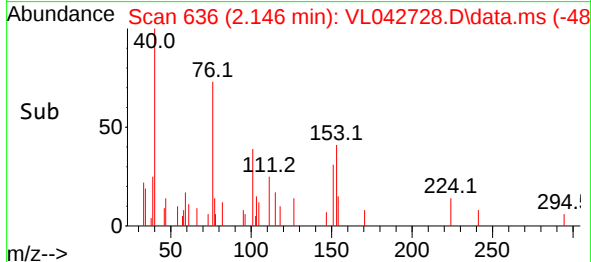
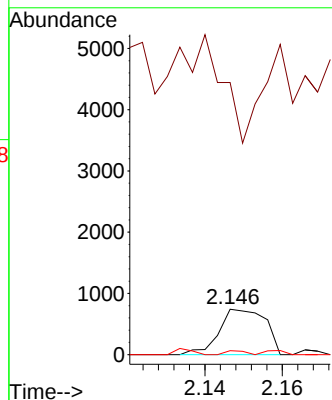
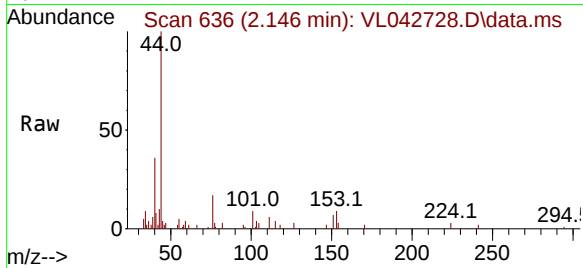




#27
Carbon Disulfide
Concen: 0.043 ppbv
RT: 2.146 min Scan# 618
Delta R.T. -0.003 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

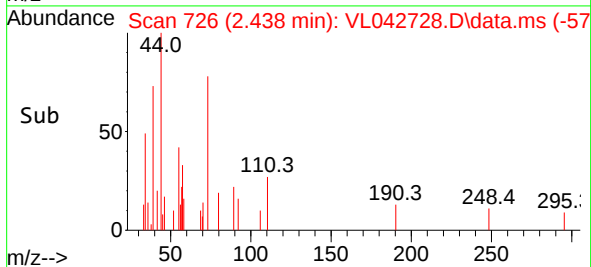
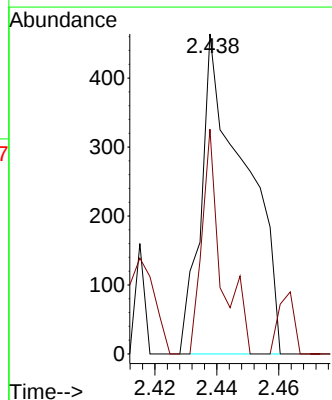
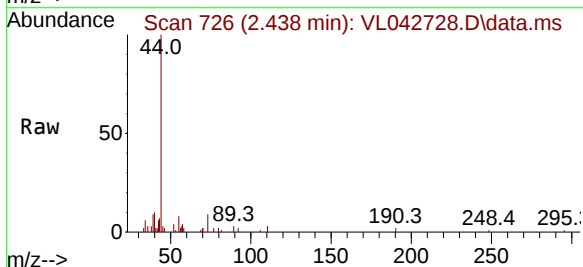
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

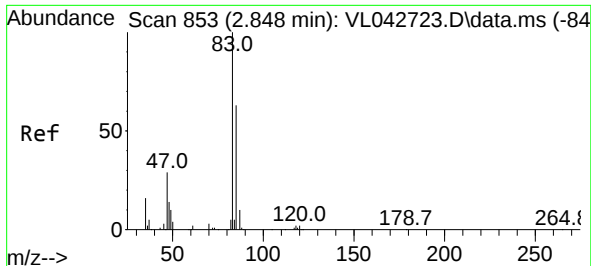
Tgt Ion: 76 Resp: 618
Ion Ratio Lower Upper
76 100
44 1109.7 18.8 28.2#
78 8.9 9.5 14.3#



#28
Methyl tert-Butyl Ether
Concen: 0.058 ppbv
RT: 2.438 min Scan# 726
Delta R.T. 0.000 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

Tgt Ion: 73 Resp: 456
Ion Ratio Lower Upper
73 100
57 31.4 19.8 29.8#





#29

Chloroform

Concen: 0.001 ppbv

RT: 3.050 min Scan# 91

Delta R.T. 0.201 min

Lab File: VL042728.D

Acq: 22 Jul 2025 11:46

Instrument :

MSVOA_L

ClientSampleId :

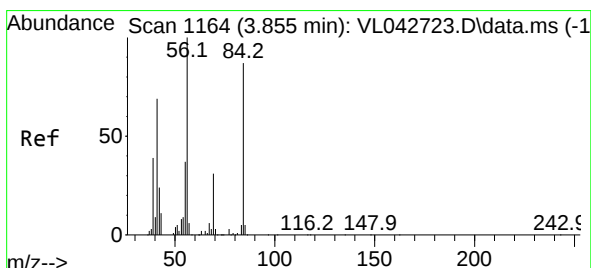
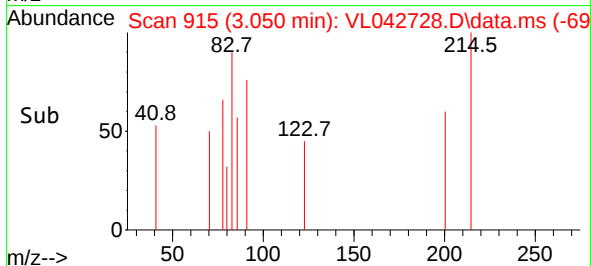
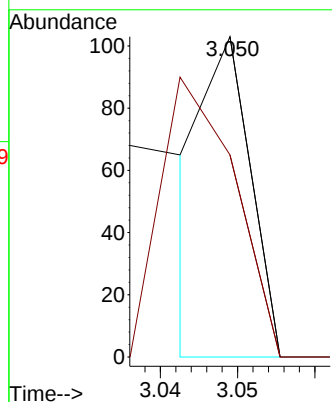
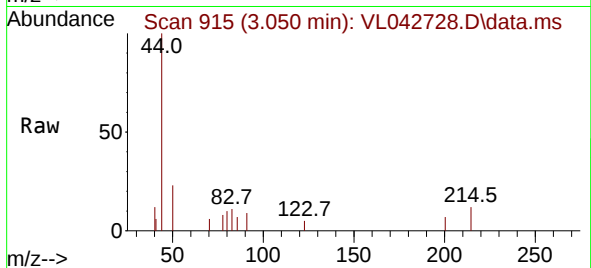
VSTDIC0.03

Tgt Ion: 83 Resp: 20

Ion Ratio Lower Upper

83 100

85 63.1 50.9 76.3



#30

Cyclohexane

Concen: 0.005 ppbv

RT: 3.859 min Scan# 1165

Delta R.T. 0.004 min

Lab File: VL042728.D

Acq: 22 Jul 2025 11:46

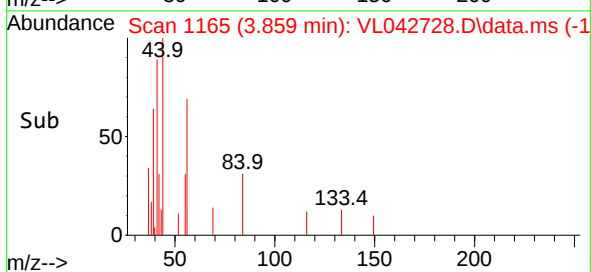
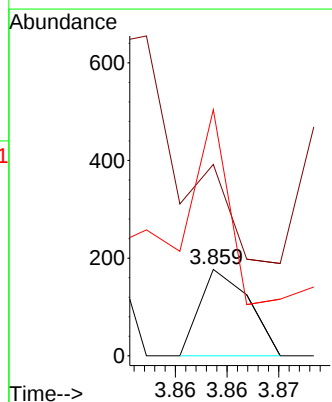
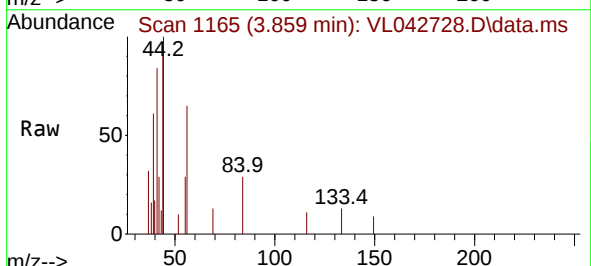
Tgt Ion: 84 Resp: 59

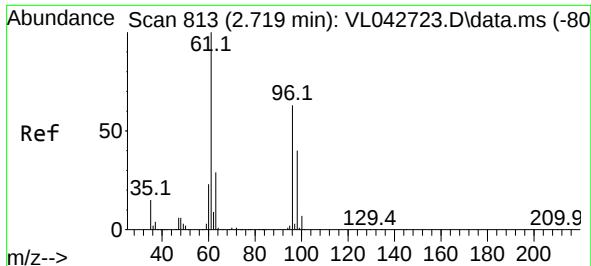
Ion Ratio Lower Upper

84 100

56 0.0 94.2 141.4#

41 796.6 66.4 99.6#

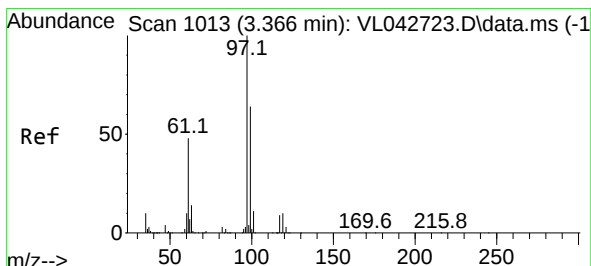
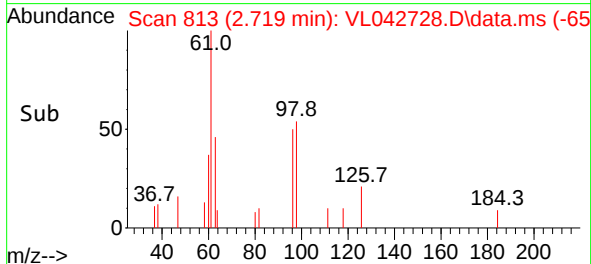
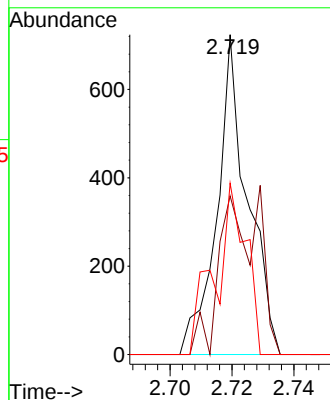
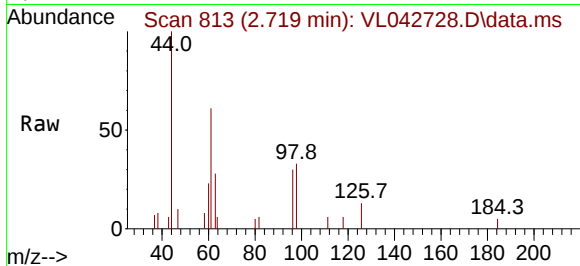




#31
 cis-1,2-Dichloroethene
 Concen: 0.034 ppbv
 RT: 2.719 min Scan# 813
 Delta R.T. 0.000 min
 Lab File: VL042728.D
 Acq: 22 Jul 2025 11:46

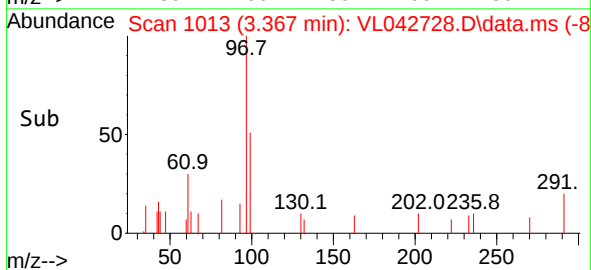
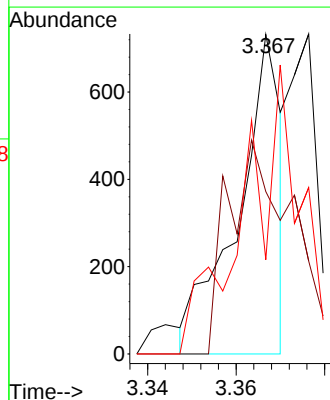
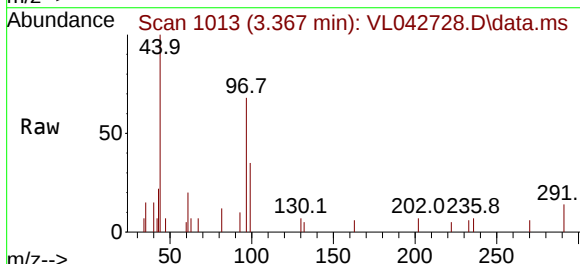
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

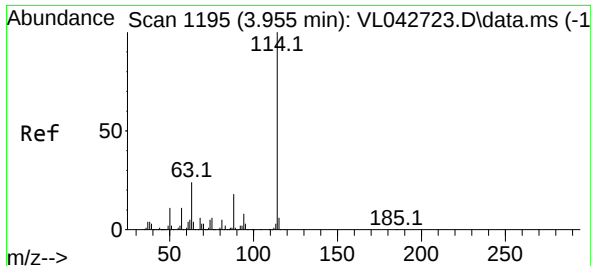
Tgt Ion: 61 Resp: 496
 Ion Ratio Lower Upper
 61 100
 96 49.6 50.6 75.8#
 98 53.6 32.2 48.2#



#32
 1,1,1-Trichloroethane
 Concen: 0.021 ppbv
 RT: 3.367 min Scan# 1013
 Delta R.T. 0.000 min
 Lab File: VL042728.D
 Acq: 22 Jul 2025 11:46

Tgt Ion: 97 Resp: 497
 Ion Ratio Lower Upper
 97 100
 99 105.6 51.4 77.0#
 61 118.1 39.6 59.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.956 min Scan# 1195

Delta R.T. 0.000 min

Lab File: VL042728.D

Acq: 22 Jul 2025 11:46

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.03

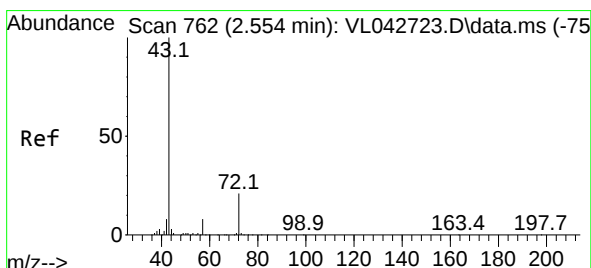
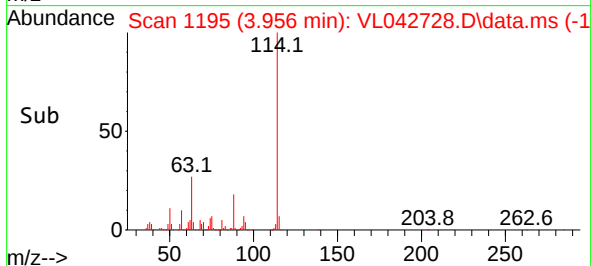
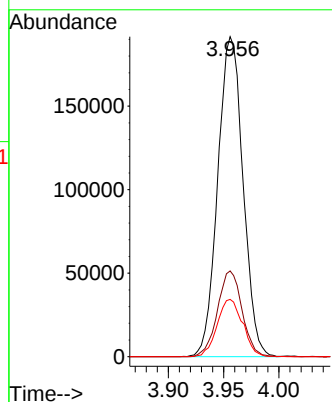
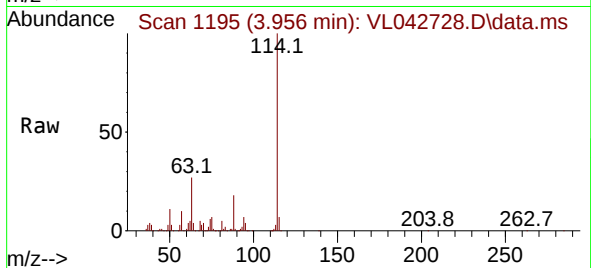
Tgt Ion:114 Resp: 304254

Ion Ratio Lower Upper

114 100

63 26.1 20.4 30.6

88 18.1 14.5 21.7



#34

2-Butanone

Concen: 0.059 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.013 min

Lab File: VL042728.D

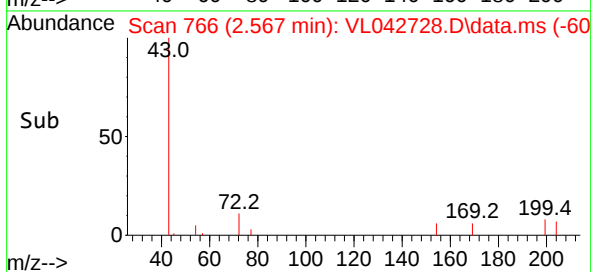
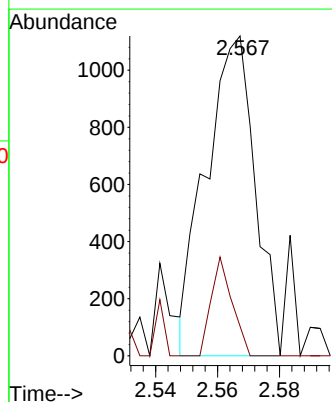
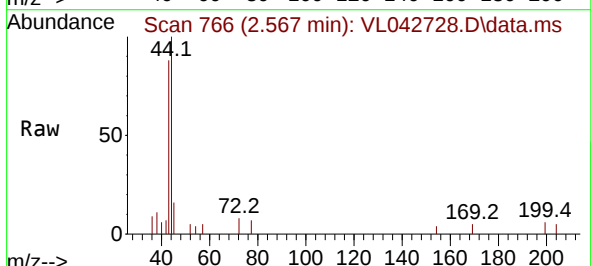
Acq: 22 Jul 2025 11:46

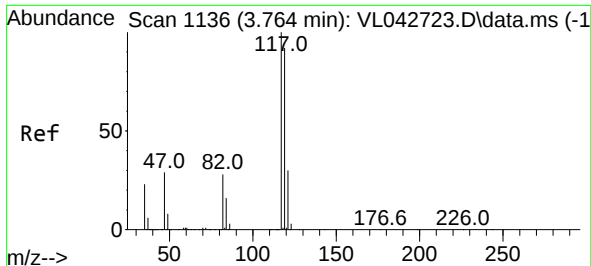
Tgt Ion: 43 Resp: 1240

Ion Ratio Lower Upper

43 100

72 16.2 17.0 25.6#

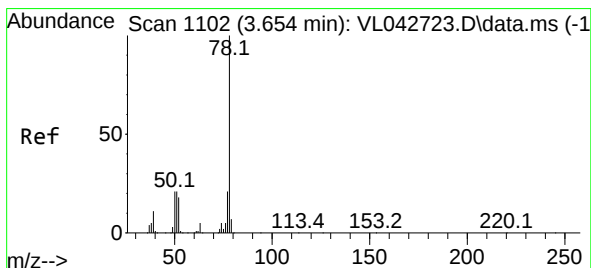
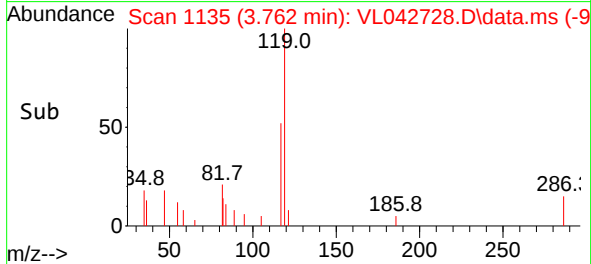
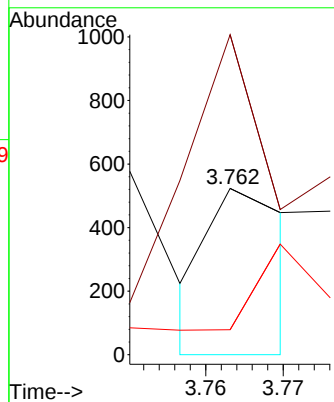
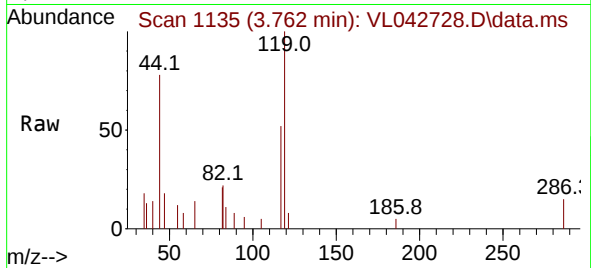




#35
Carbon Tetrachloride
Concen: 0.008 ppbv
RT: 3.762 min Scan# 1136
Delta R.T. -0.003 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

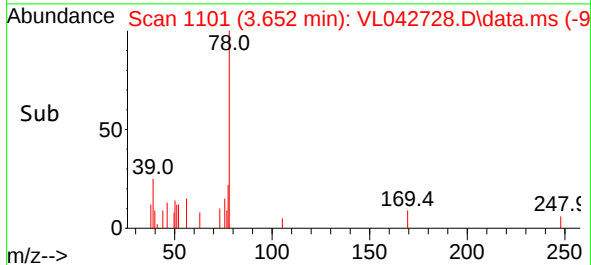
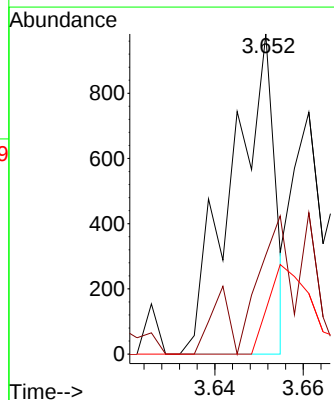
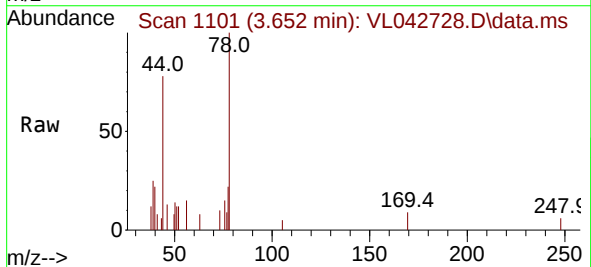
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

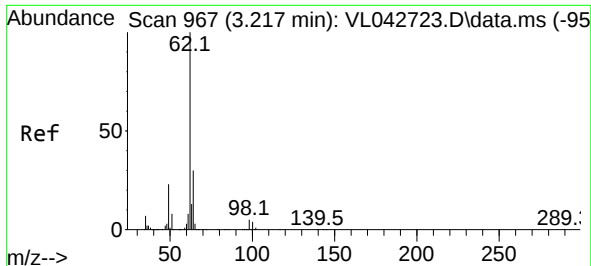
Tgt Ion:117 Resp: 188
Ion Ratio Lower Upper
117 100
119 183.9 73.7 110.5#
121 0.7 23.8 35.8#



#36
Benzene
Concen: 0.024 ppbv
RT: 3.652 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

Tgt Ion: 78 Resp: 665
Ion Ratio Lower Upper
78 100
77 31.0 17.0 25.4#
50 13.7 16.9 25.3#





#37

1,2-Dichloroethane

Concen: 0.011 ppbv

RT: 3.221 min Scan# 9

Delta R.T. 0.004 min

Lab File: VL042728.D

Acq: 22 Jul 2025 11:46

Instrument :

MSVOA_1

ClientSampleId :

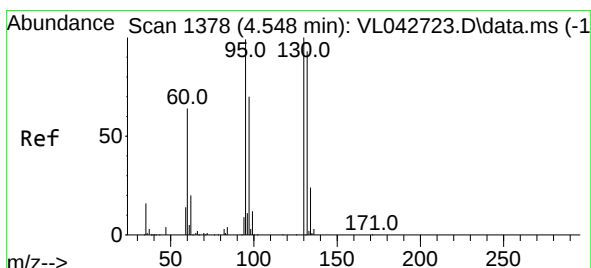
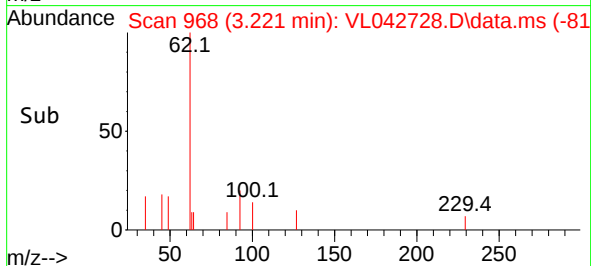
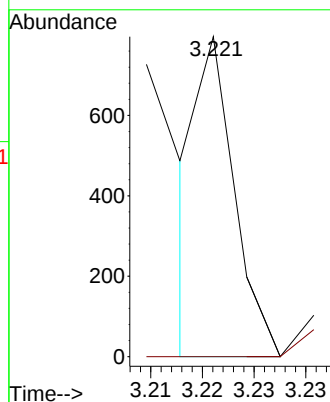
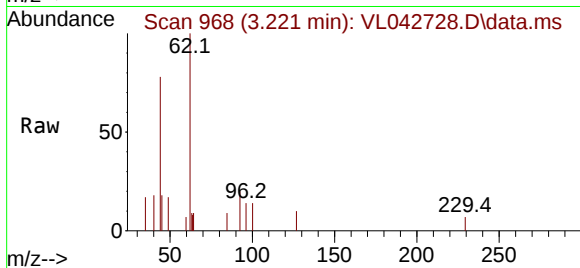
VSTDIC0.03

Tgt Ion: 62 Resp: 193

Ion Ratio Lower Upper

62 100

98 0.0 4.8 7.2#



#38

Trichloroethene

Concen: 0.016 ppbv

RT: 4.545 min Scan# 1377

Delta R.T. -0.003 min

Lab File: VL042728.D

Acq: 22 Jul 2025 11:46

Tgt Ion:130 Resp: 217

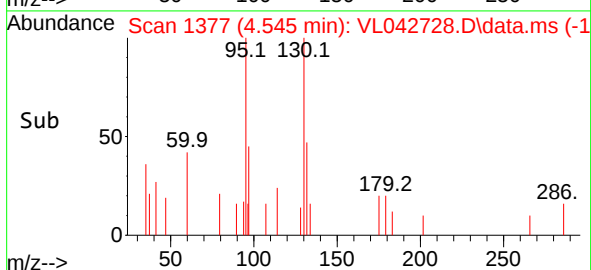
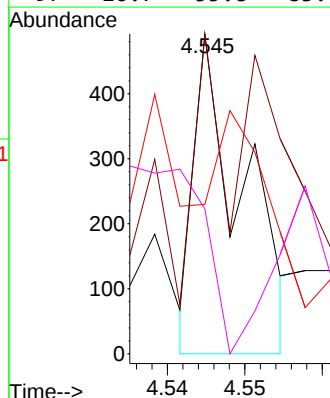
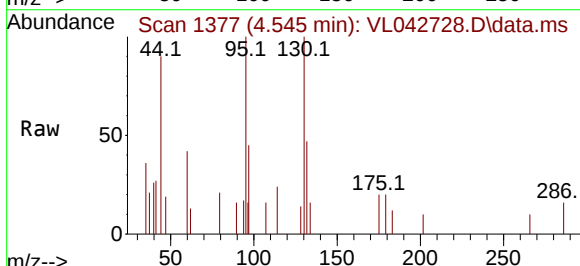
Ion Ratio Lower Upper

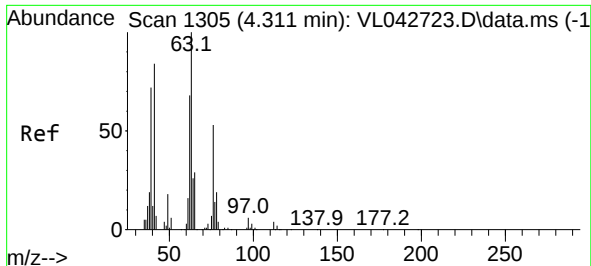
130 100

95 97.4 79.2 118.8

132 9.9 74.1 111.1#

97 16.7 55.8 83.6#





#39

1,2-Dichloropropane

Concen: 7.538 ppbv

RT: 3.956 min Scan# 1195

Delta R.T. -0.356 min

Lab File: VL042728.D

Acq: 22 Jul 2025 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

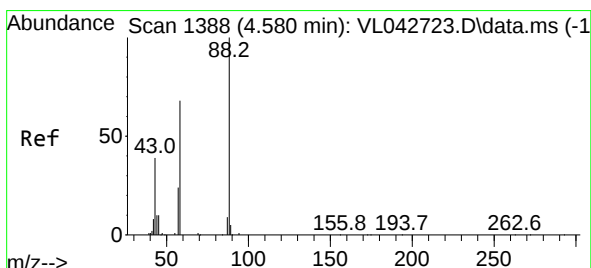
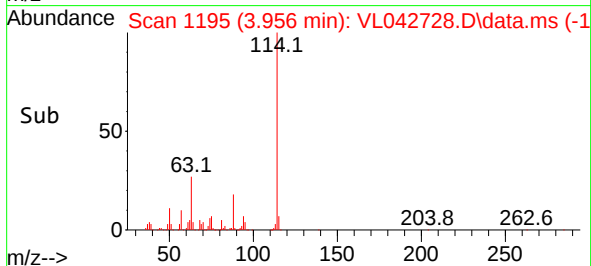
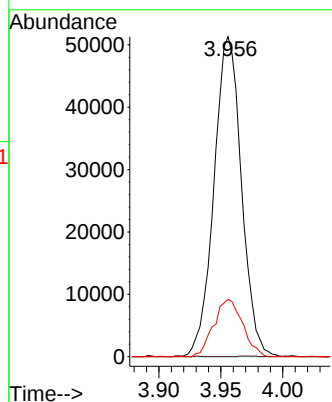
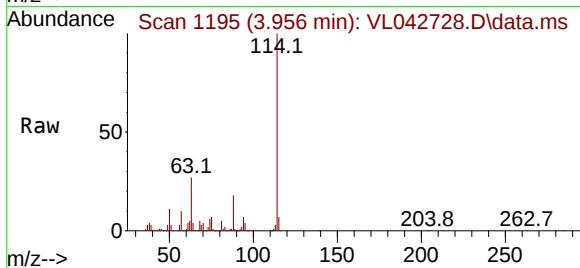
Tgt Ion: 63 Resp: 79338

Ion Ratio Lower Upper

63 100

41 0.0 67.7 101.5#

62 17.9 54.1 81.1#



#40

1,4-Dioxane

Concen: 0.011 ppbv

RT: 4.645 min Scan# 1408

Delta R.T. 0.065 min

Lab File: VL042728.D

Acq: 22 Jul 2025 11:46

Tgt Ion: 88 Resp: 55

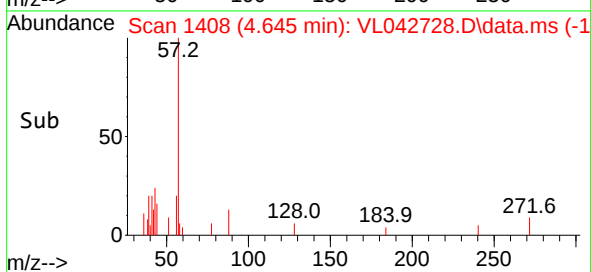
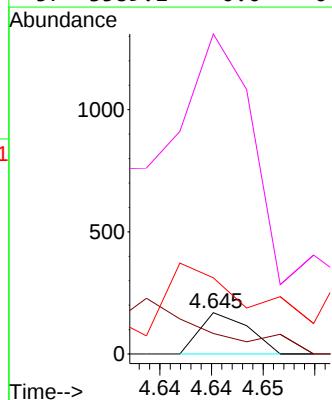
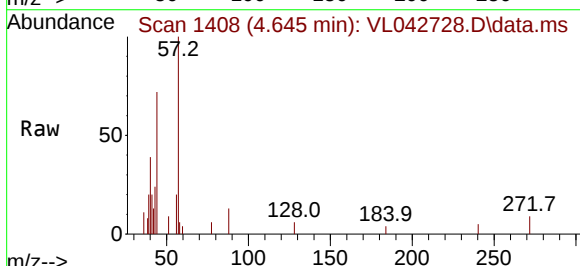
Ion Ratio Lower Upper

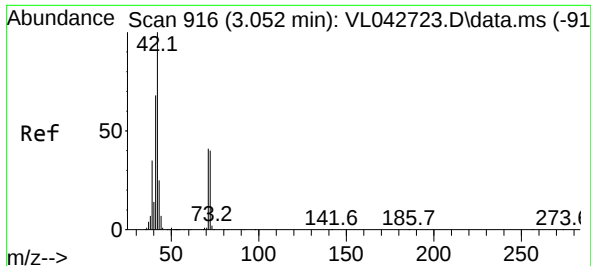
88 100

58 416.4 59.8 89.8#

43 1285.5 32.6 48.8#

57 3589.1 0.0 0.0#

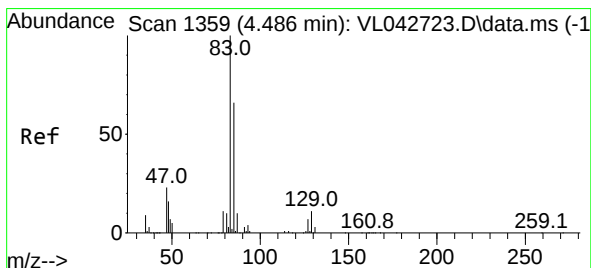
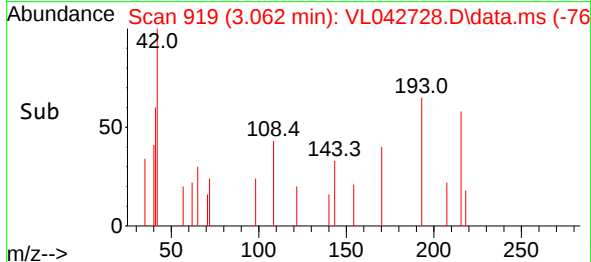
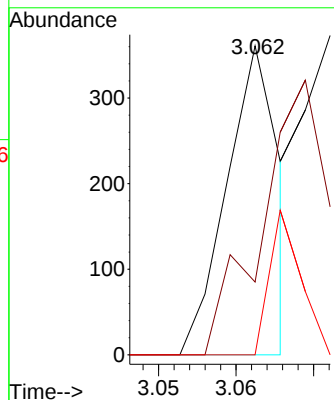
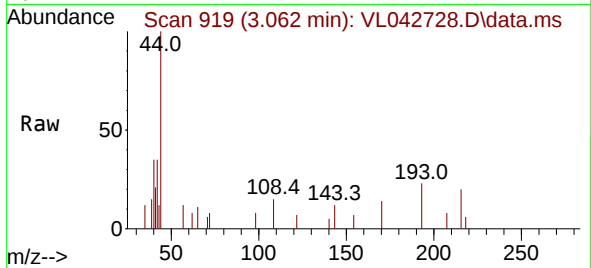




#41
Tetrahydrofuran
Concen: 0.016 ppbv
RT: 3.062 min Scan# 916
Delta R.T. 0.010 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

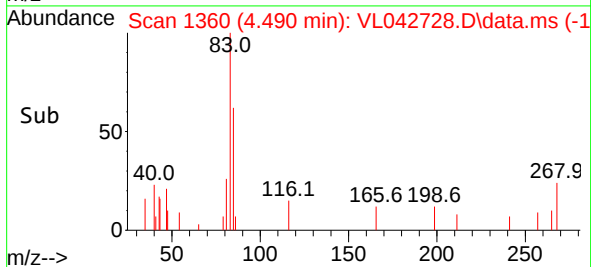
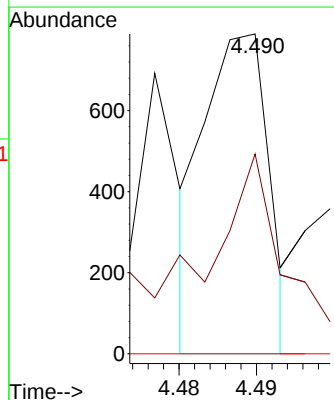
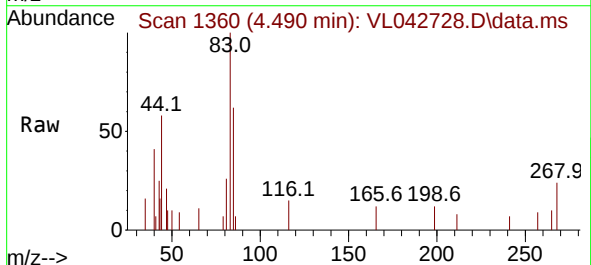
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

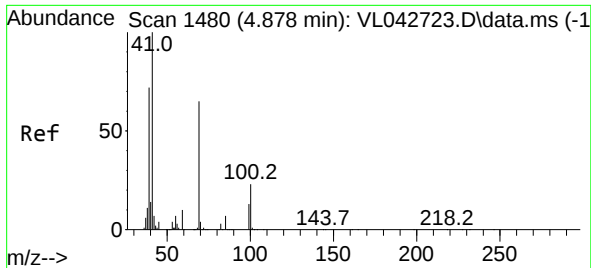
Tgt Ion: 42 Resp: 170
Ion Ratio Lower Upper
42 100
72 0.0 32.2 48.2#
71 0.0 29.8 44.6#



#42
Bromodichloromethane
Concen: 0.019 ppbv
RT: 4.490 min Scan# 1360
Delta R.T. 0.004 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

Tgt Ion: 83 Resp: 456
Ion Ratio Lower Upper
83 100
85 51.6 52.6 78.8#
127 0.0 6.0 9.0#

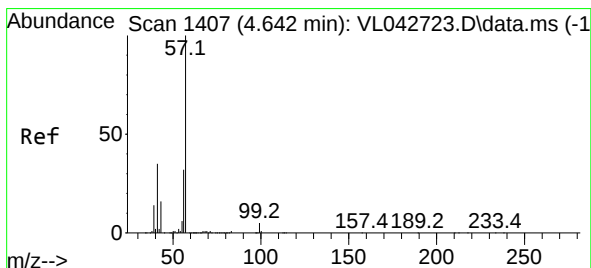
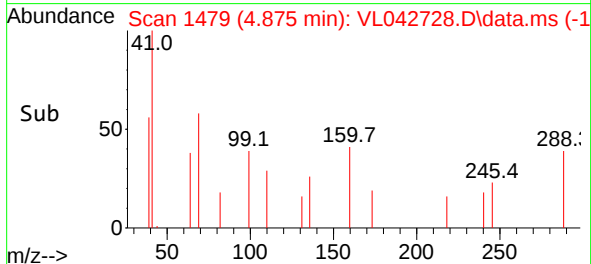
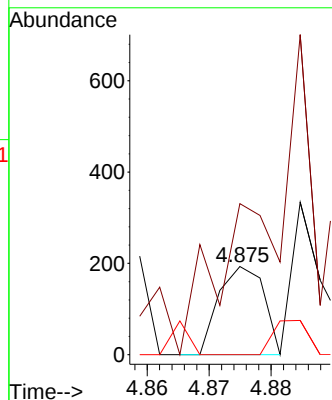
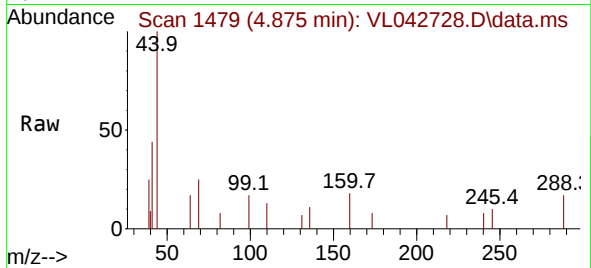




#43
Methyl Methacrylate
Concen: 0.009 ppbv
RT: 4.875 min Scan# 1479
Delta R.T. -0.003 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

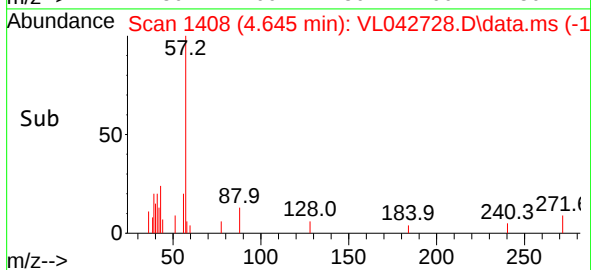
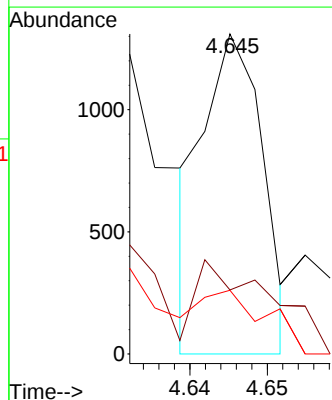
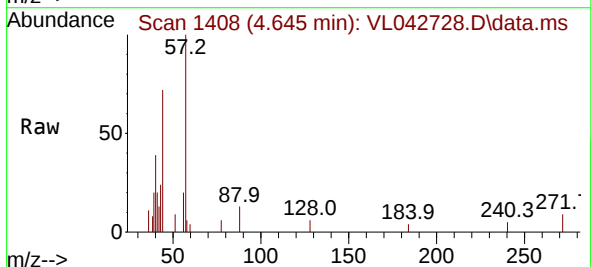
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.03

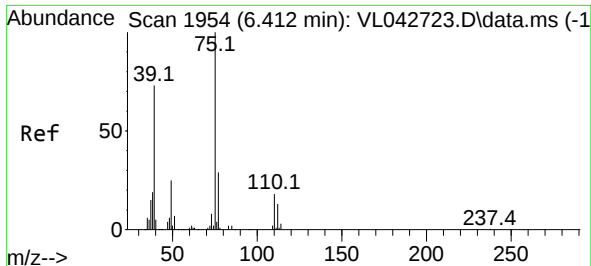
Tgt Ion: 69 Resp: 97
Ion Ratio Lower Upper
69 100
41 0.0 125.8 188.6#
100 0.0 29.9 44.9#



#44
2,2,4-Trimethylpentane
Concen: 0.015 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.004 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

Tgt Ion: 57 Resp: 697
Ion Ratio Lower Upper
57 100
41 0.0 29.4 44.0#
56 0.0 26.1 39.1#

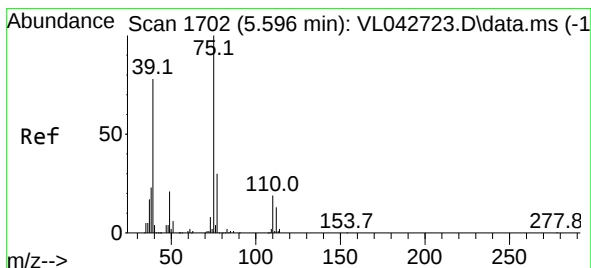
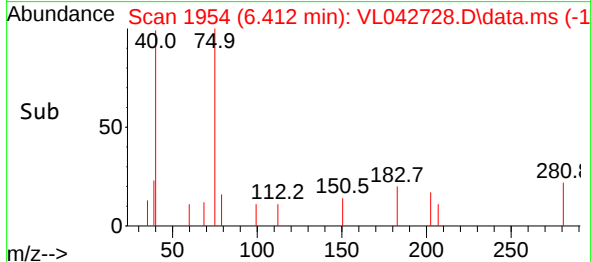
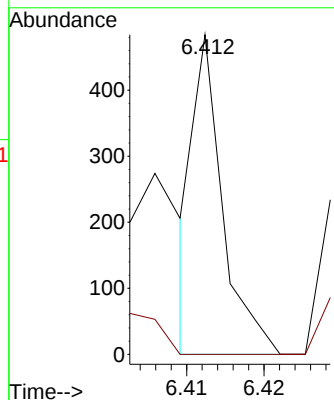
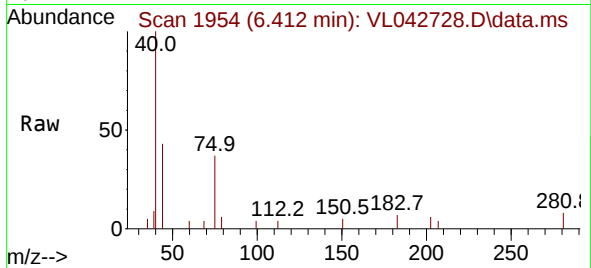




#45
 t-1,3-Dichloropropene
 Concen: 0.009 ppbv
 RT: 6.412 min Scan# 1954
 Delta R.T. 0.000 min
 Lab File: VL042728.D
 Acq: 22 Jul 2025 11:46

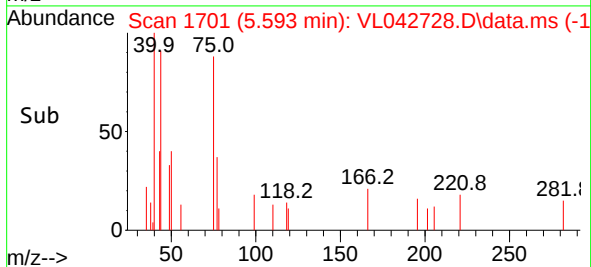
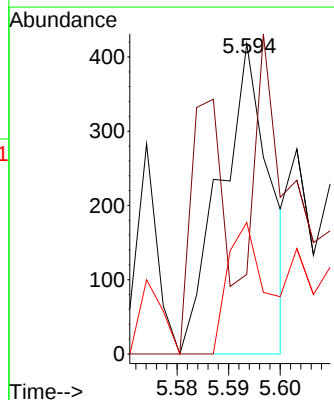
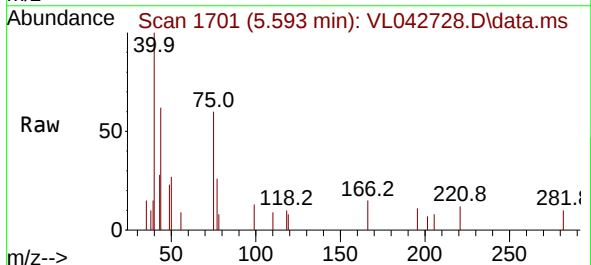
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

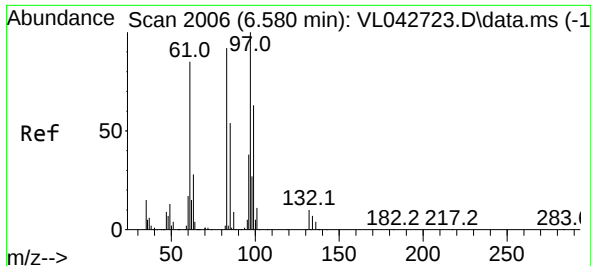
Tgt Ion: 75 Resp: 125
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.0 34.6#



#46
 cis-1,3-Dichloropropene
 Concen: 0.017 ppbv
 RT: 5.593 min Scan# 1701
 Delta R.T. -0.003 min
 Lab File: VL042728.D
 Acq: 22 Jul 2025 11:46

Tgt Ion: 75 Resp: 277
 Ion Ratio Lower Upper
 75 100
 39 25.6 62.1 93.1#
 77 42.3 24.0 36.0#





#47

1,1,2-Trichloroethane

Concen: 0.022 ppbv

RT: 6.584 min Scan# 2006

Delta R.T. 0.004 min

Lab File: VL042728.D

Acq: 22 Jul 2025 11:46

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.03

Tgt Ion: 97 Resp: 251

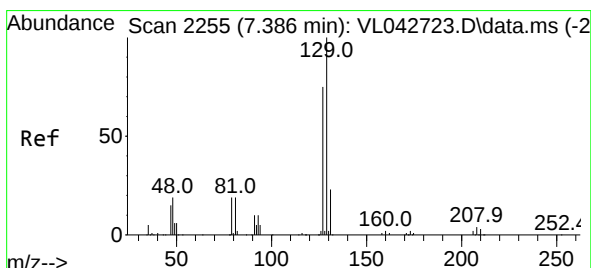
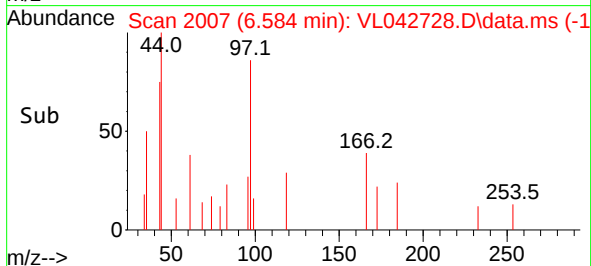
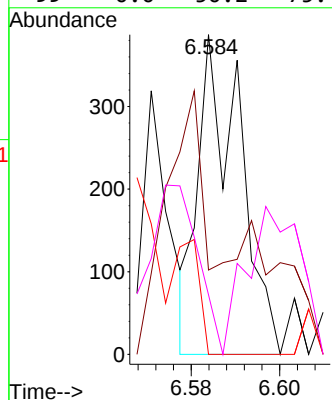
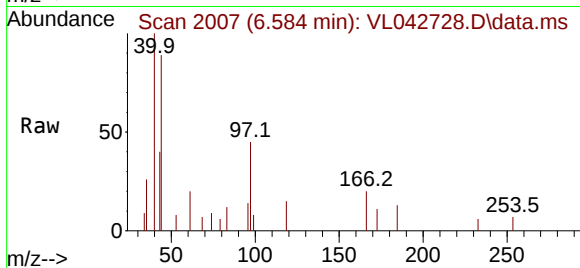
Ion Ratio Lower Upper

97 100

83 0.0 73.2 109.8#

85 0.0 42.7 64.1#

99 0.0 50.2 75.4#



#48

Dibromochloromethane

Concen: 0.001 ppbv

RT: 7.623 min Scan# 2328

Delta R.T. 0.237 min

Lab File: VL042728.D

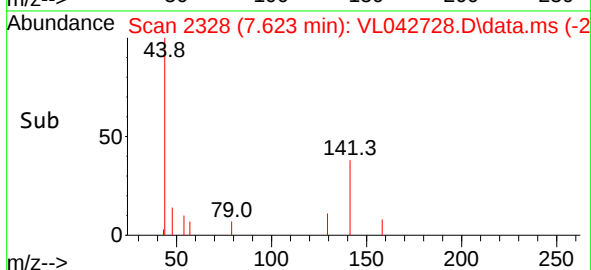
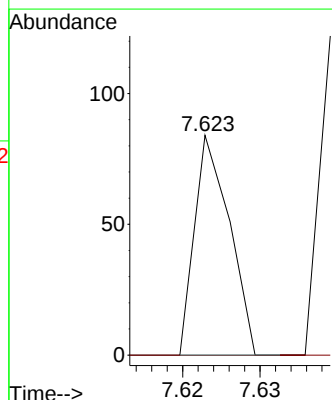
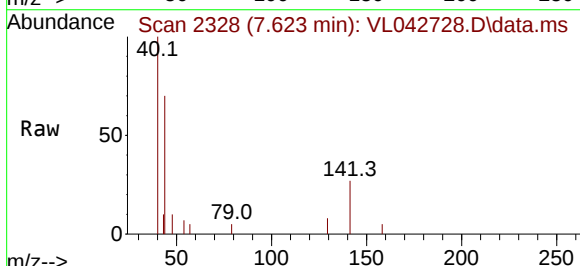
Acq: 22 Jul 2025 11:46

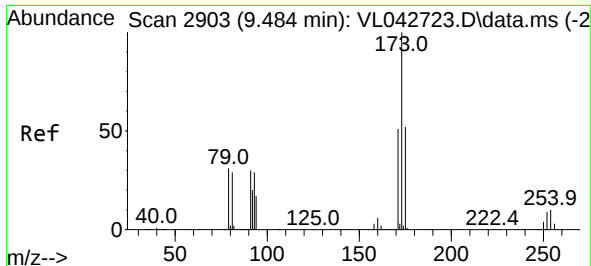
Tgt Ion: 129 Resp: 26

Ion Ratio Lower Upper

129 100

127 88.5 39.1 117.3

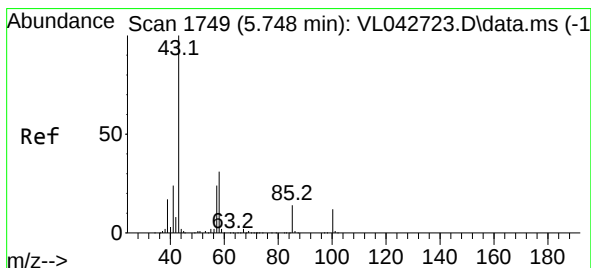
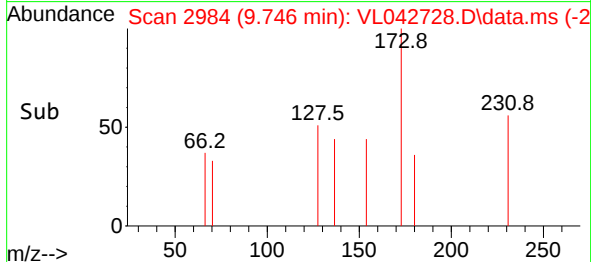
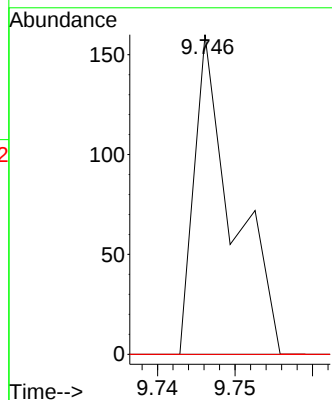
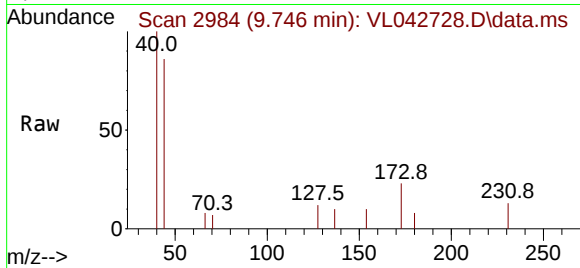




#49
Bromoform
Concen: 0.003 ppbv
RT: 9.746 min Scan# 2903
Delta R.T. 0.263 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

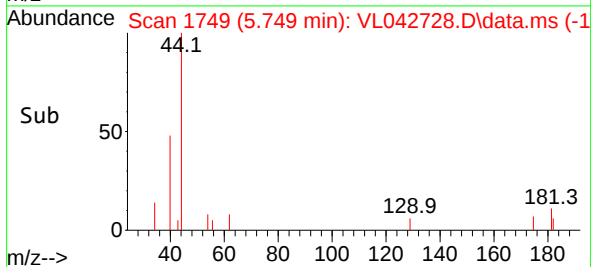
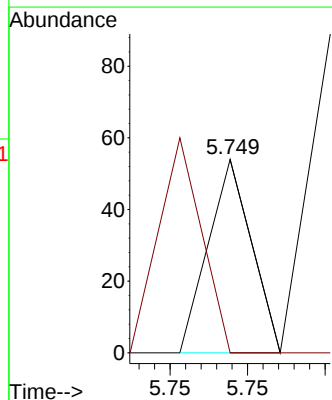
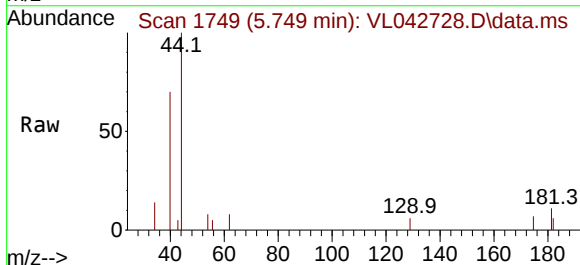
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

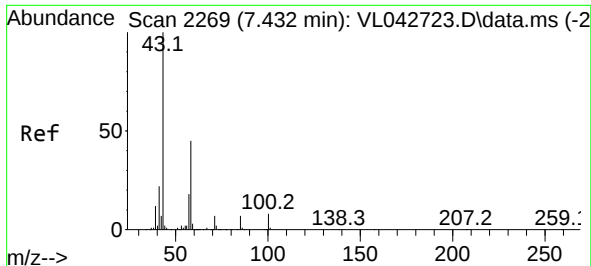
Tgt Ion:173 Resp: 56
Ion Ratio Lower Upper
173 100
175 51.8 38.9 58.3
171 42.9 41.1 61.7



#50
4-Methyl-2-Pentanone
Concen: 0.000 ppbv
RT: 5.749 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

Tgt Ion: 43 Resp: 10
Ion Ratio Lower Upper
43 100
58 120.0 27.6 41.4#

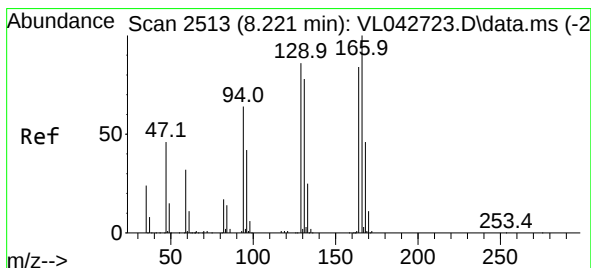
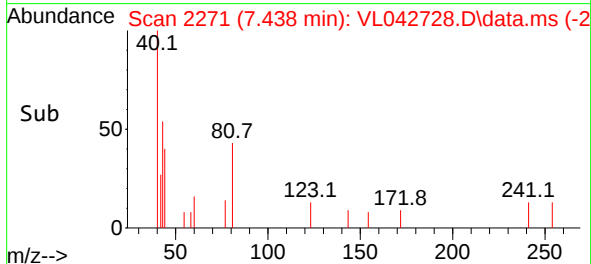
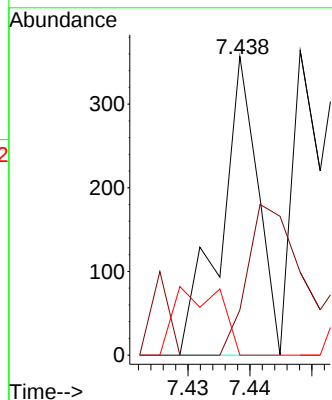
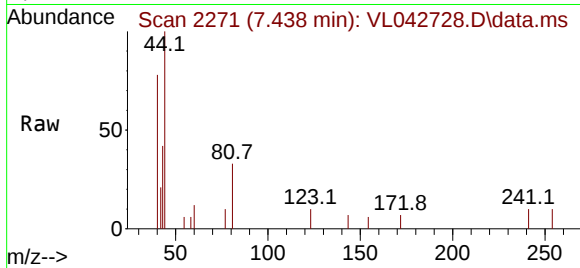




#51
2-Hexanone
Concen: 0.007 ppbv
RT: 7.438 min Scan# 2119
Delta R.T. 0.007 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

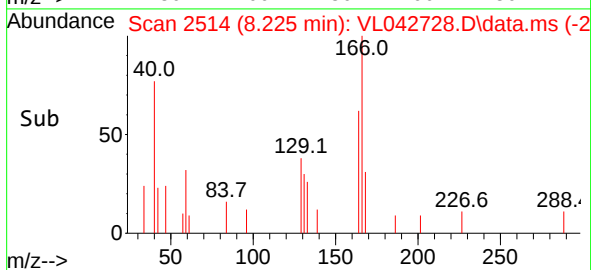
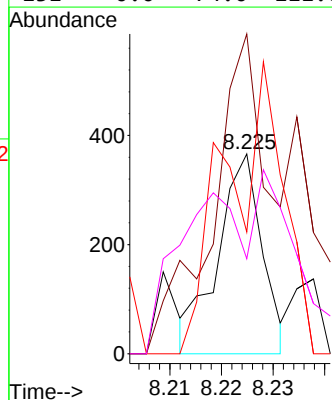
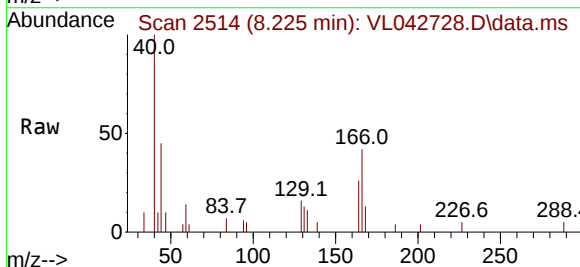
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

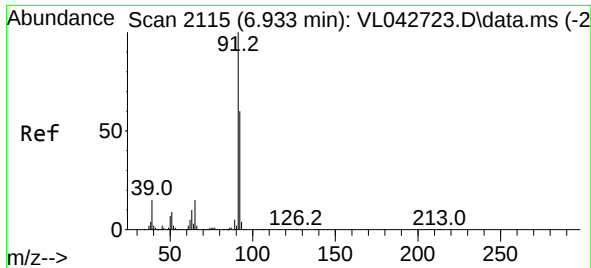
Tgt Ion: 43 Resp: 149
Ion Ratio Lower Upper
43 100
58 0.0 37.9 56.9#
98 28.2 0.2 0.2#



#52
Tetrachloroethene
Concen: 0.019 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.004 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

Tgt Ion: 164 Resp: 217
Ion Ratio Lower Upper
164 100
166 133.9 95.1 142.7
129 71.9 81.9 122.9#
131 0.0 74.0 111.0#

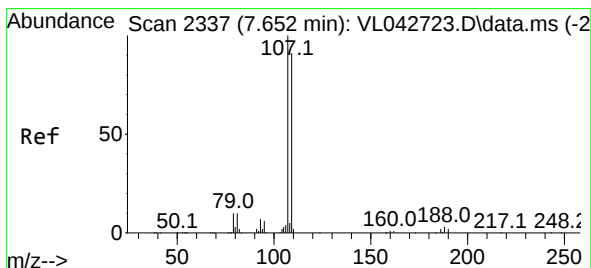
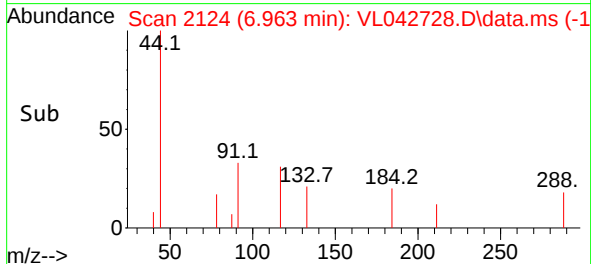
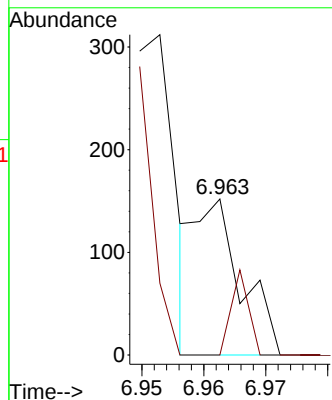
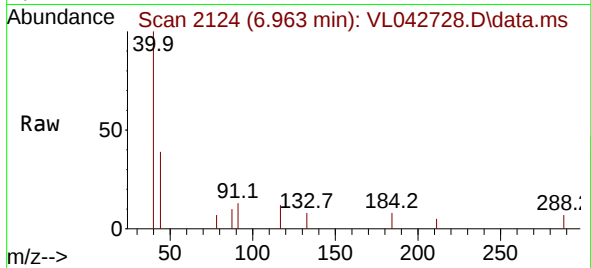




#53
Toluene
Concen: 0.002 ppbv
RT: 6.963 min Scan# 2115
Delta R.T. 0.030 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

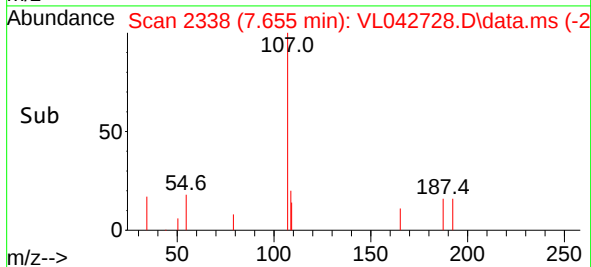
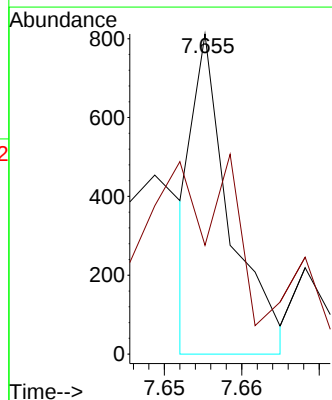
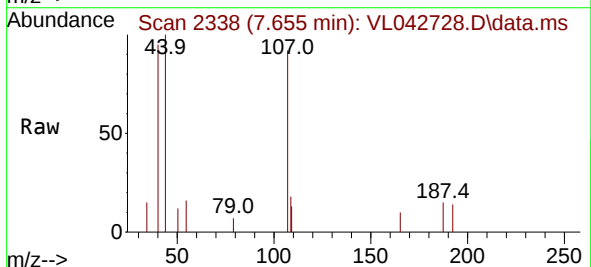
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

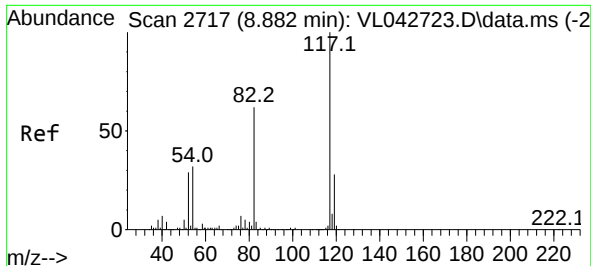
Tgt Ion: 91 Resp: 79
Ion Ratio Lower Upper
91 100
92 58.2 48.2 72.4



#54
1,2-Dibromoethane
Concen: 0.015 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. 0.004 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

Tgt Ion: 107 Resp: 266
Ion Ratio Lower Upper
107 100
109 19.4 72.5 108.7#

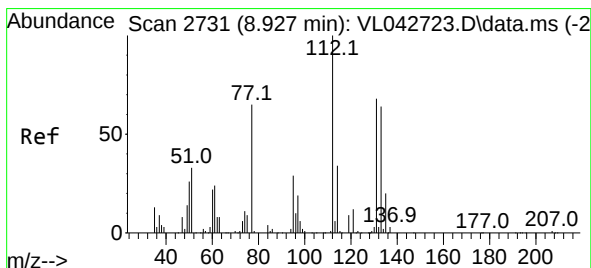
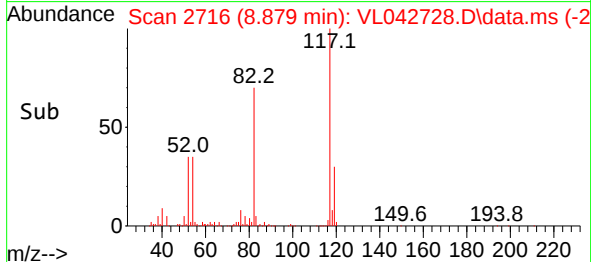
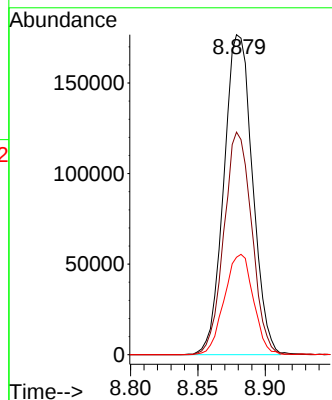
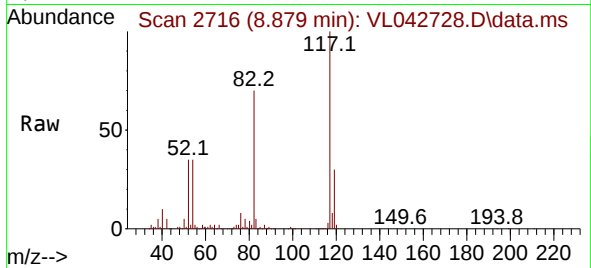




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

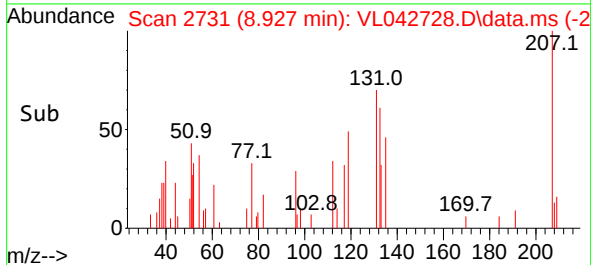
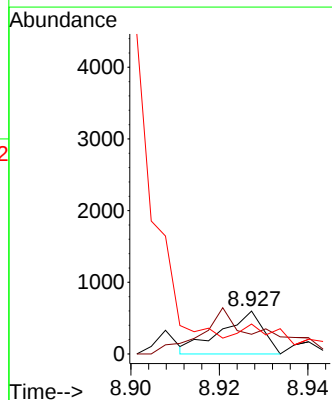
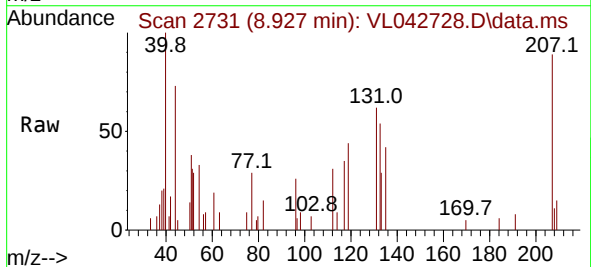
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

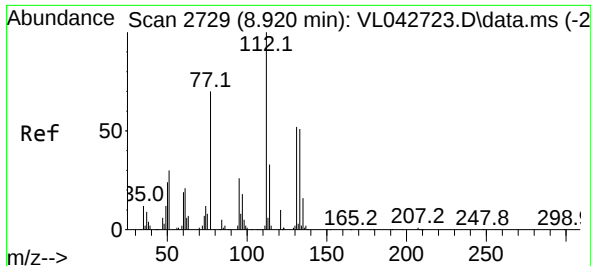
Tgt Ion:117 Resp: 261203
Ion Ratio Lower Upper
117 100
82 67.8 54.6 81.8
119 32.0 25.3 37.9



#56
1,1,1,2-Tetrachloroethane
Concen: 0.028 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

Tgt Ion:131 Resp: 395
Ion Ratio Lower Upper
131 100
133 197.0 77.4 116.0#
119 0.0 48.6 73.0#

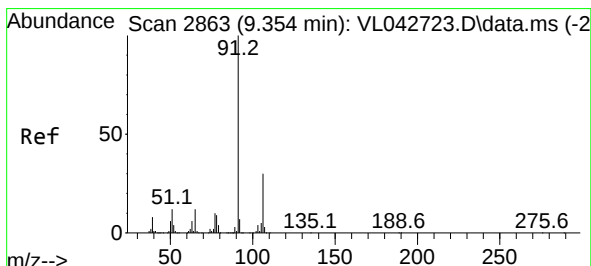
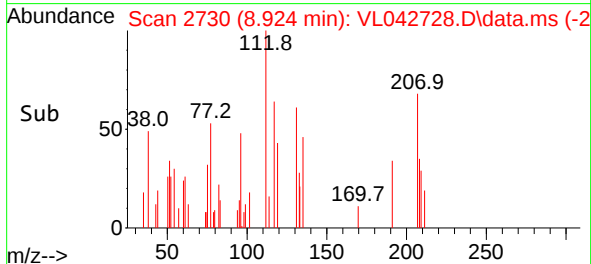
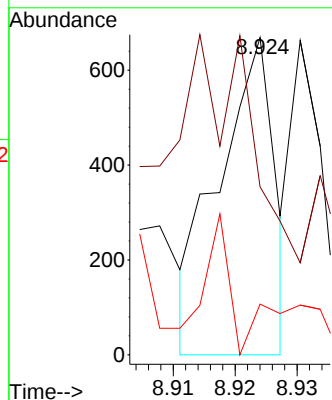
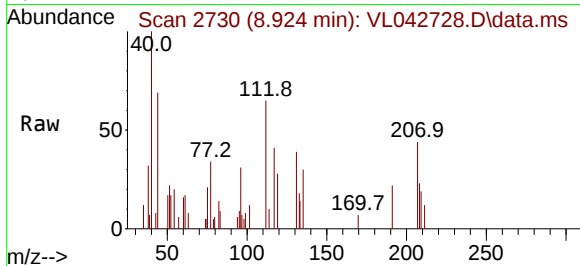




#57
Chlorobenzene
Concen: 0.017 ppbv
RT: 8.924 min Scan# 21
Delta R.T. 0.004 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

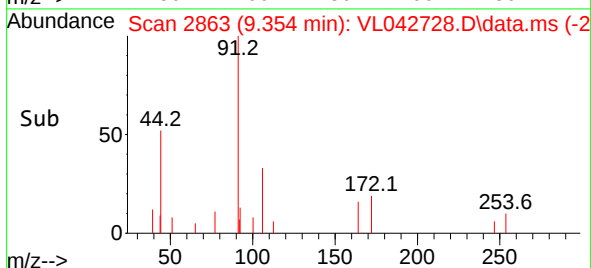
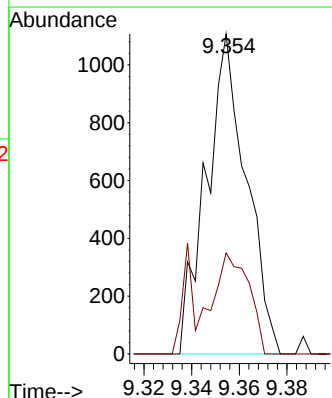
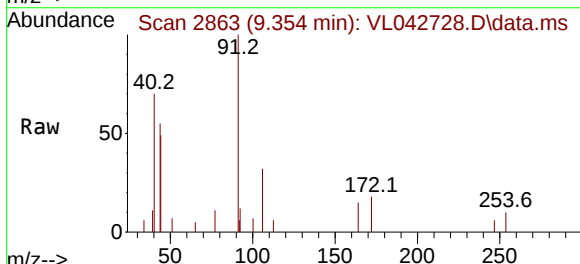
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

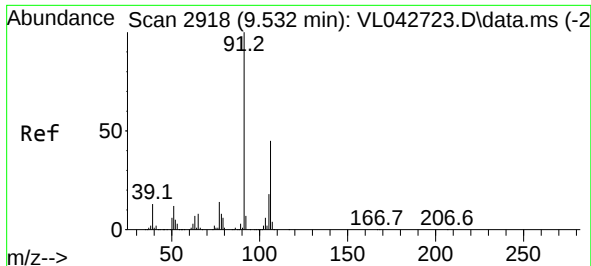
Tgt Ion:112 Resp: 420
Ion Ratio Lower Upper
112 100
77 14.7 57.2 85.8#
114 10.4 29.8 36.4#



#58
Ethyl Benzene
Concen: 0.030 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

Tgt Ion: 91 Resp: 1291
Ion Ratio Lower Upper
91 100
106 31.6 23.7 35.5





#59

m/p-Xylene

Concen: 0.024 ppbv

RT: 9.529 min Scan# 2918

Delta R.T. -0.003 min

Lab File: VL042728.D

Acq: 22 Jul 2025 11:46

Instrument :

MSVOA_L

ClientSampleId :

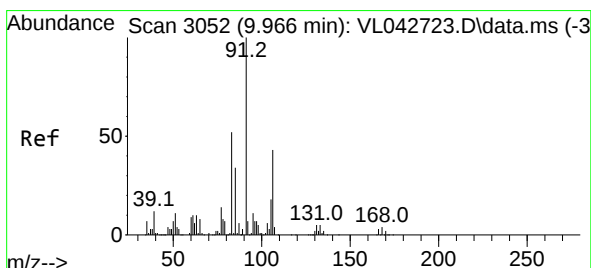
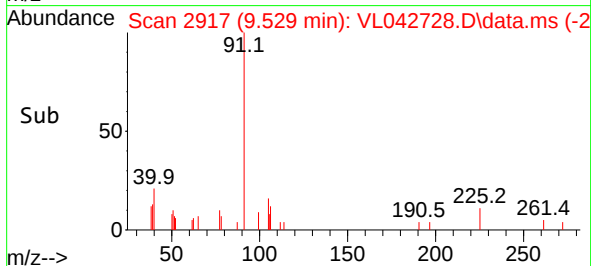
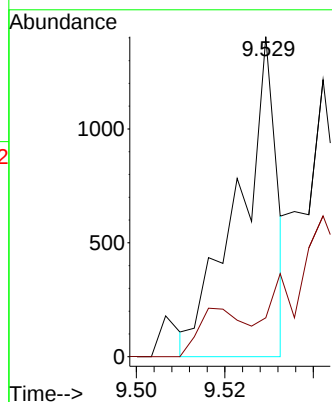
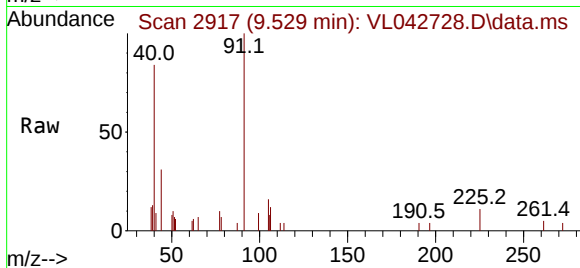
VSTDIC0.03

Tgt Ion: 91 Resp: 849

Ion Ratio Lower Upper

91 100

106 0.0 37.3 55.9#



#60

o-Xylene

Concen: 0.031 ppbv

RT: 9.960 min Scan# 3050

Delta R.T. -0.006 min

Lab File: VL042728.D

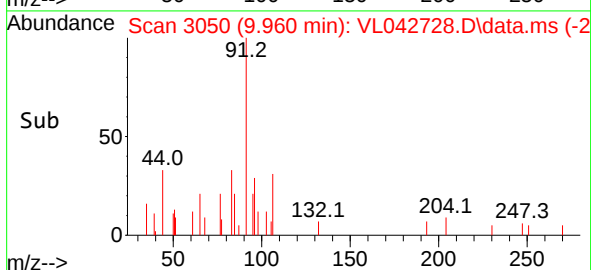
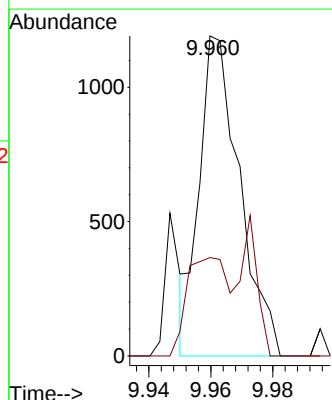
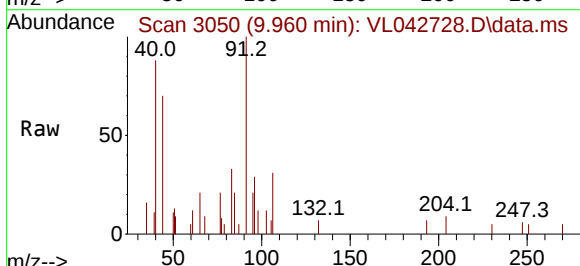
Acq: 22 Jul 2025 11:46

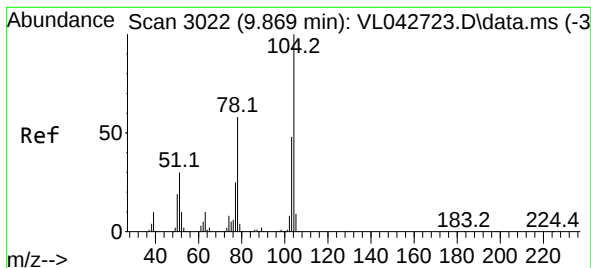
Tgt Ion: 91 Resp: 1078

Ion Ratio Lower Upper

91 100

106 49.3 21.4 64.3





#61

Styrene

Concen: 0.005 ppbv

RT: 9.885 min Scan# 3022

Delta R.T. 0.017 min

Lab File: VL042728.D

Acq: 22 Jul 2025 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

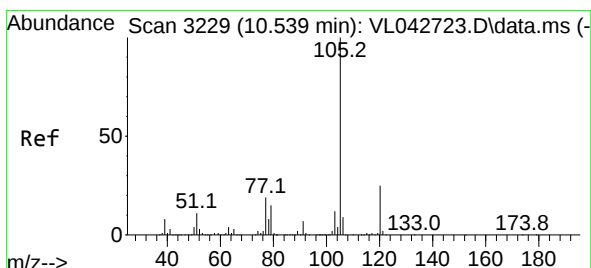
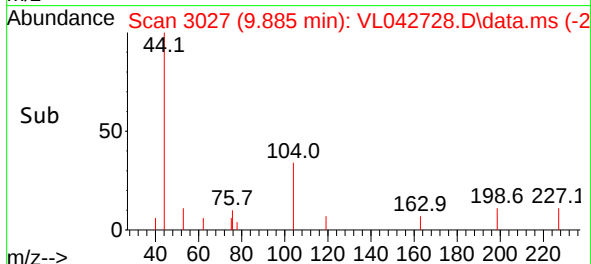
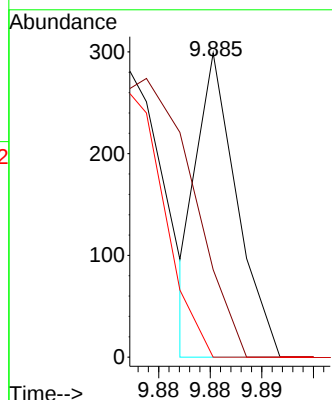
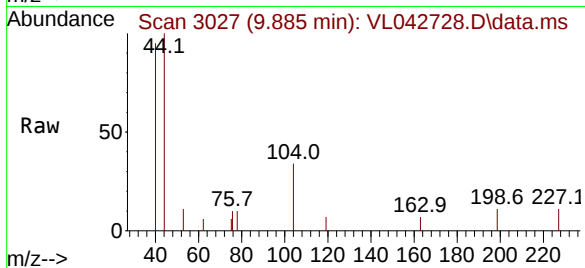
Tgt Ion:104 Resp: 77

Ion Ratio Lower Upper

104 100

78 337.7 43.4 65.2#

103 198.7 37.8 56.6#



#62

Isopropylbenzene

Concen: 0.013 ppbv

RT: 10.533 min Scan# 3227

Delta R.T. -0.006 min

Lab File: VL042728.D

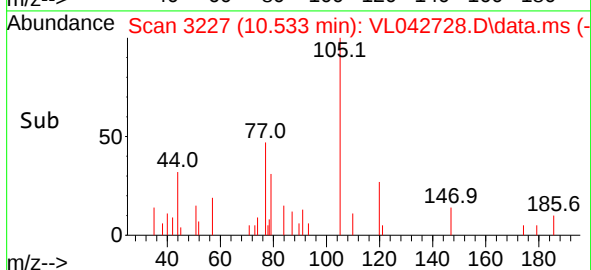
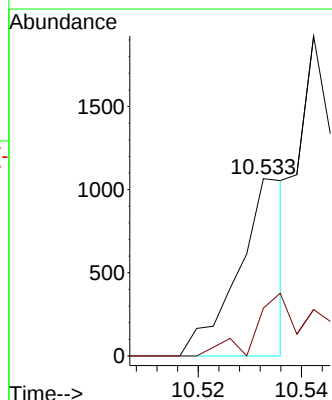
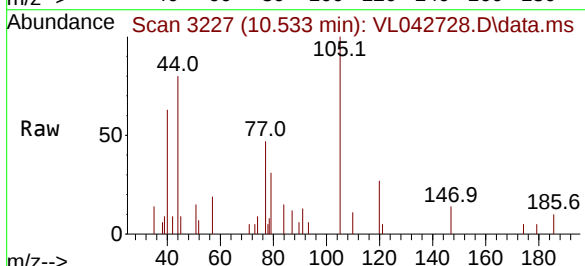
Acq: 22 Jul 2025 11:46

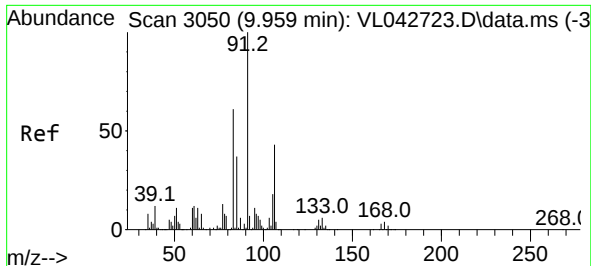
Tgt Ion:105 Resp: 677

Ion Ratio Lower Upper

105 100

120 54.7 20.2 30.2#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.031 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. 0.004 min

Lab File: VL042728.D

Acq: 22 Jul 2025 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

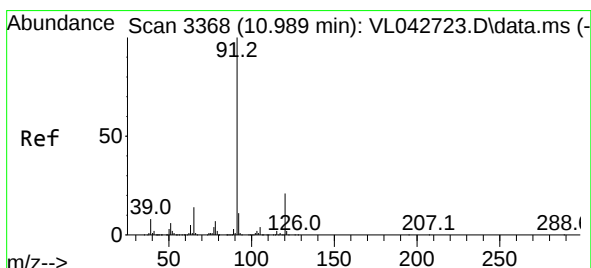
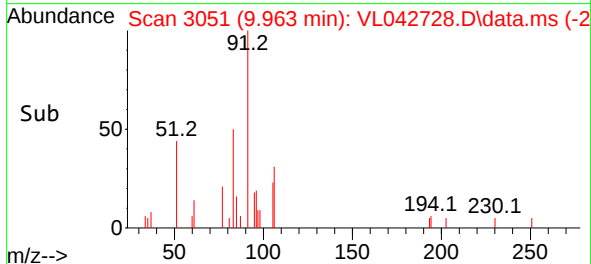
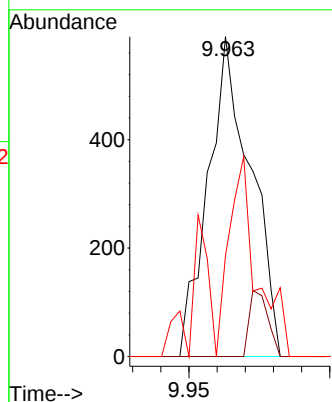
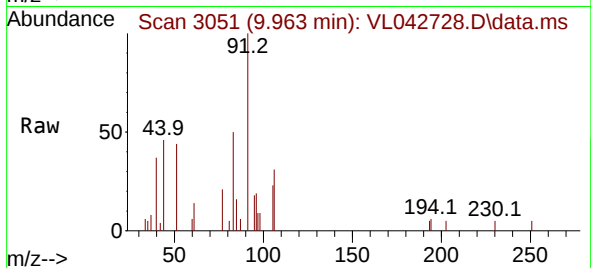
Tgt Ion: 83 Resp: 618

Ion Ratio Lower Upper

83 100

131 8.9 5.2 15.6

85 54.9 32.1 96.5



#64

n-propylbenzene

Concen: 0.007 ppbv

RT: 10.979 min Scan# 3365

Delta R.T. -0.009 min

Lab File: VL042728.D

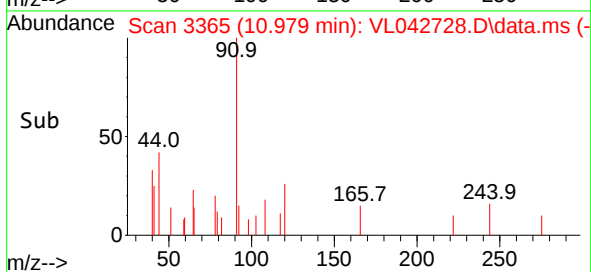
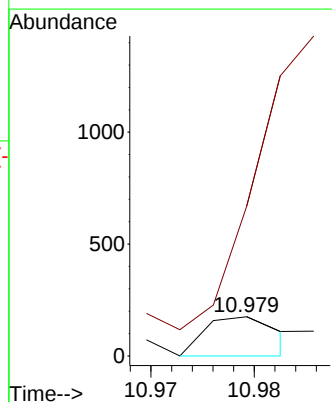
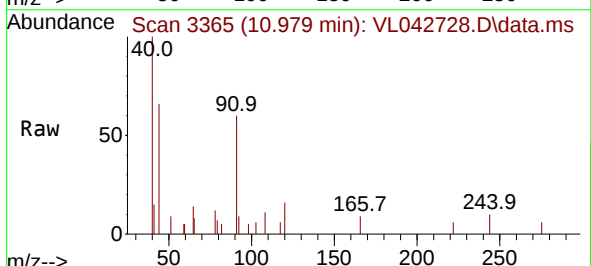
Acq: 22 Jul 2025 11:46

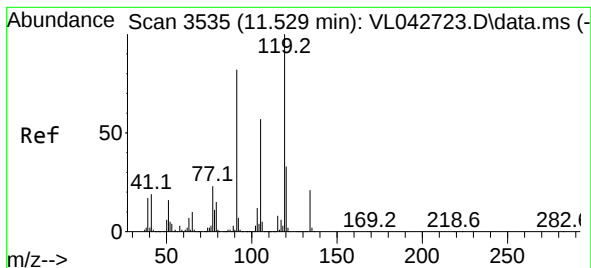
Tgt Ion: 120 Resp: 86

Ion Ratio Lower Upper

120 100

91 0.0 377.4 566.0#

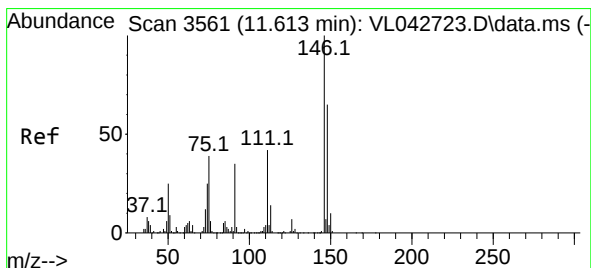
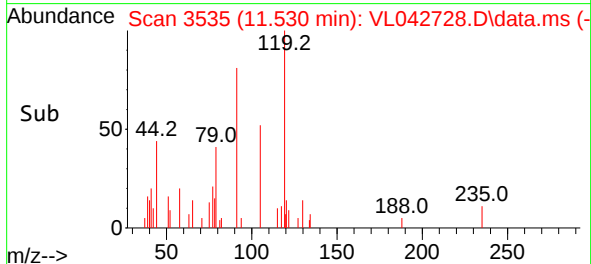
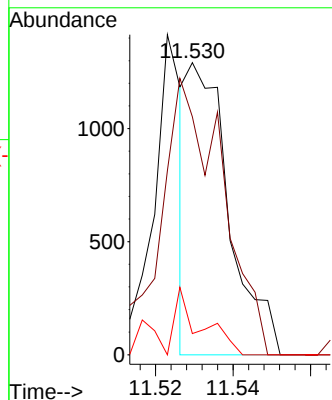
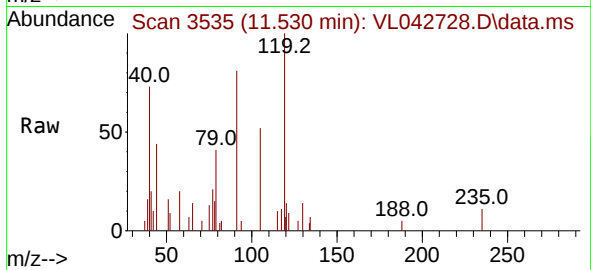




#65
tert-Butylbenzene
Concen: 0.021 ppbv
RT: 11.530 min Scan# 3535
Delta R.T. 0.000 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

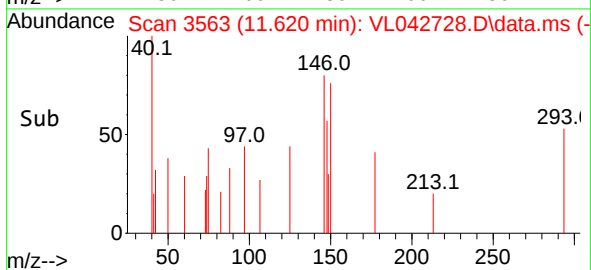
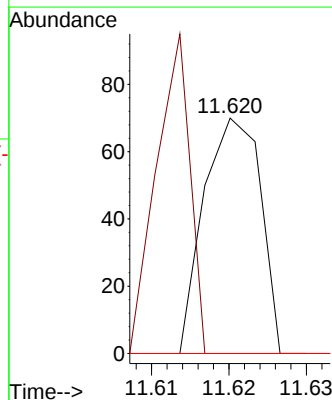
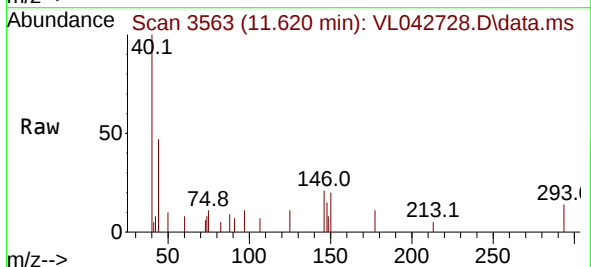
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

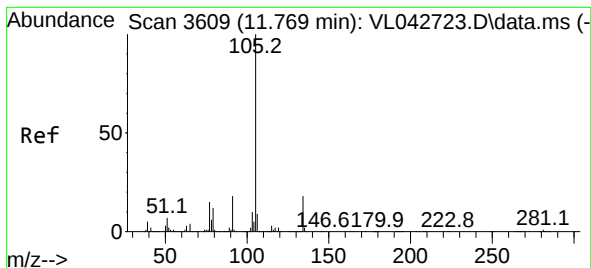
Tgt Ion: 119 Resp: 962
Ion Ratio Lower Upper
119 100
91 145.9 66.5 99.7#
134 19.5 16.7 25.1



#66
Benzyl Chloride
Concen: 0.008 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.007 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

Tgt Ion: 91 Resp: 36
Ion Ratio Lower Upper
91 100
126 80.6 15.0 22.4#
128 55.6 5.0 7.6#

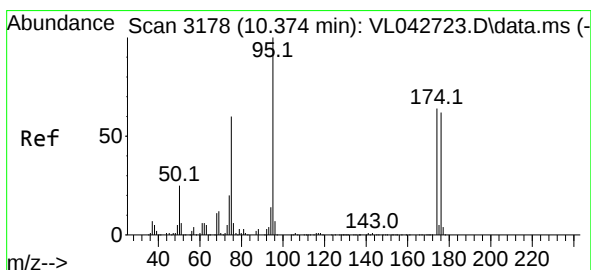
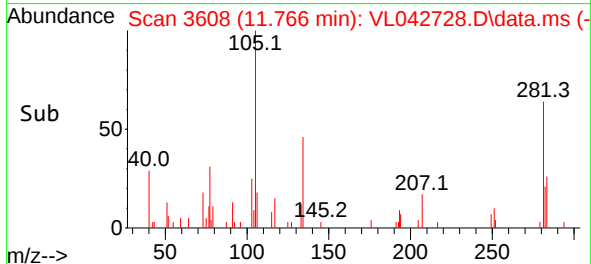
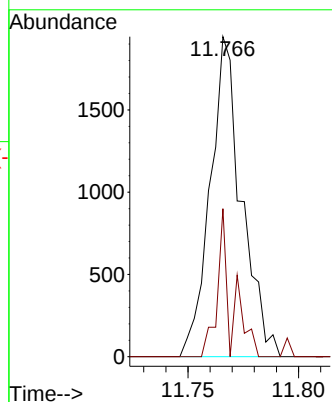
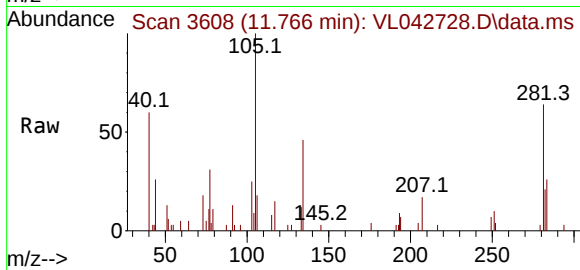




#67
 sec-Butylbenzene
 Concen: 0.030 ppbv
 RT: 11.766 min Scan# 3608
 Delta R.T. -0.003 min
 Lab File: VL042728.D
 Acq: 22 Jul 2025 11:46

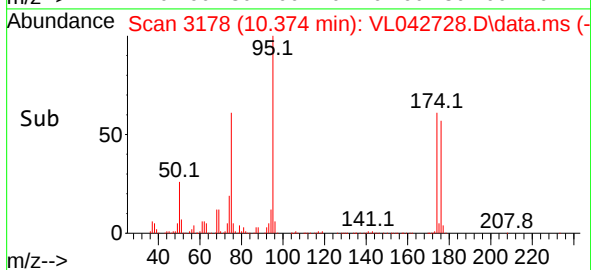
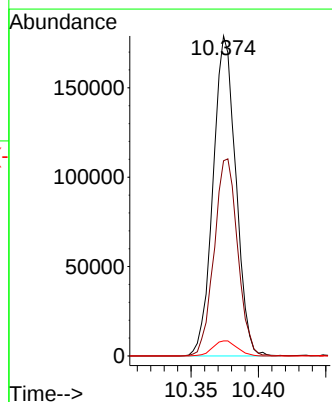
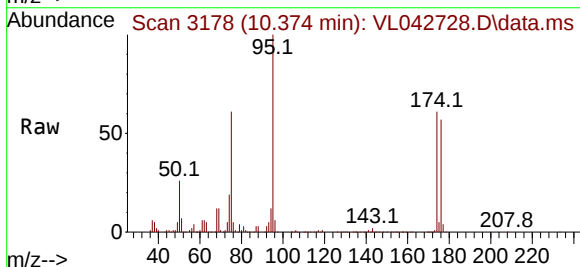
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

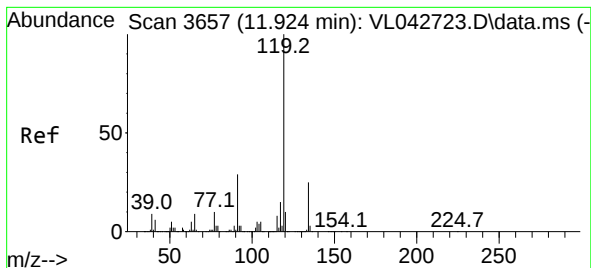
Tgt Ion:105 Resp: 1919
 Ion Ratio Lower Upper
 105 100
 134 22.0 15.0 22.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.971 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. 0.000 min
 Lab File: VL042728.D
 Acq: 22 Jul 2025 11:46

Tgt Ion: 95 Resp: 210506
 Ion Ratio Lower Upper
 95 100
 174 63.5 51.4 77.2
 175 5.0 4.2 6.4





#69

p-Isopropyltoluene

Concen: 0.019 ppbv

RT: 11.924 min Scan# 3657

Delta R.T. 0.000 min

Lab File: VL042728.D

Acq: 22 Jul 2025 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

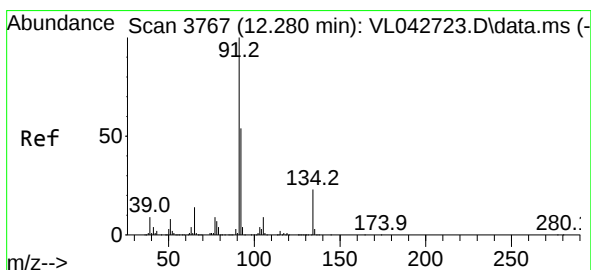
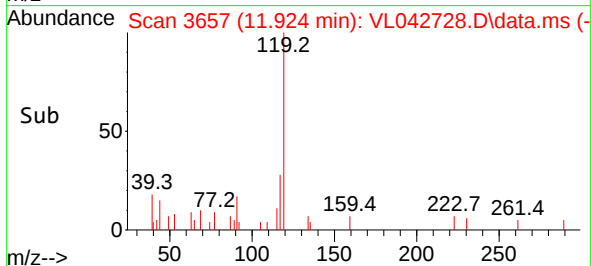
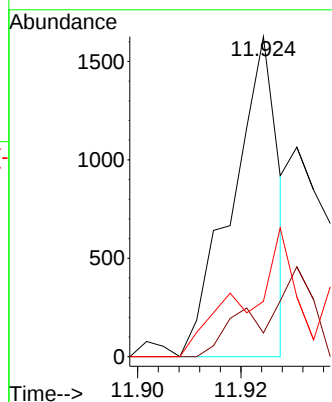
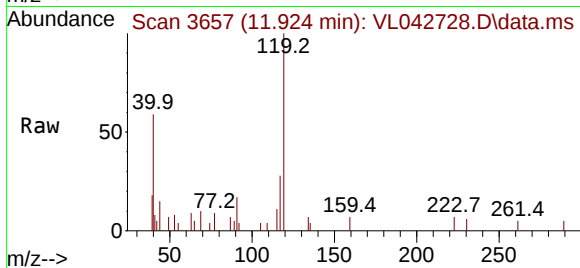
Tgt Ion:119 Resp: 1010

Ion Ratio Lower Upper

119 100

134 0.0 19.8 29.6#

91 49.4 23.9 35.9#



#70

n-Butylbenzene

Concen: 0.010 ppbv

RT: 12.277 min Scan# 3766

Delta R.T. -0.003 min

Lab File: VL042728.D

Acq: 22 Jul 2025 11:46

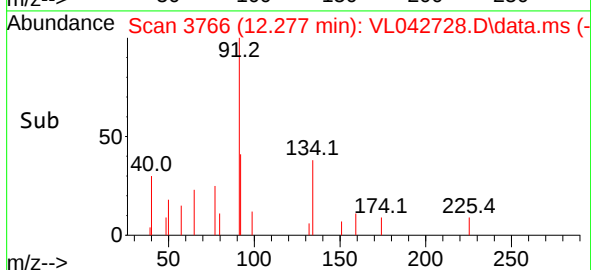
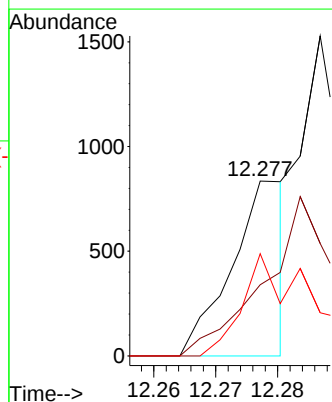
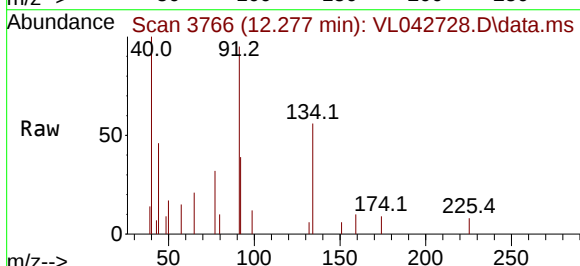
Tgt Ion: 91 Resp: 514

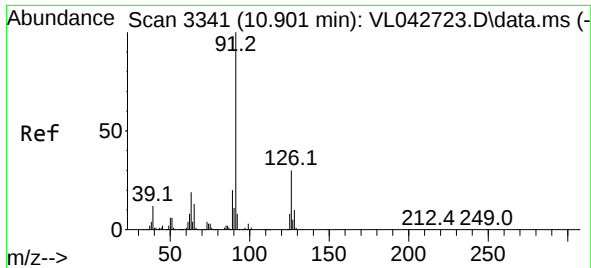
Ion Ratio Lower Upper

91 100

92 0.0 43.2 64.8#

134 69.1 19.0 28.6#

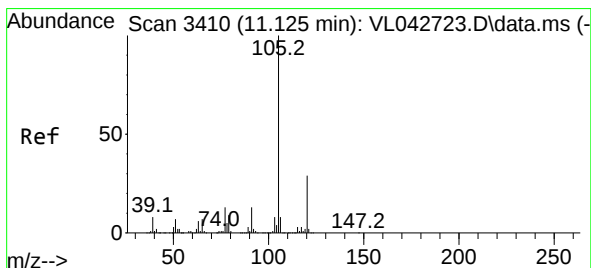
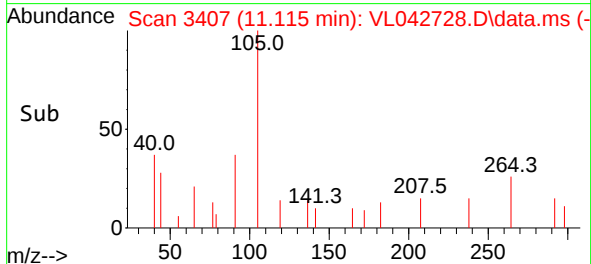
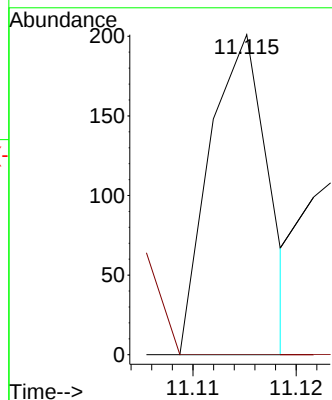
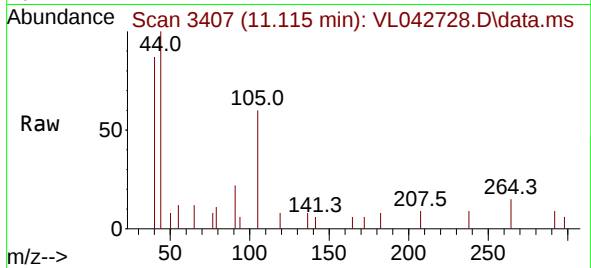




#71
2-Chlorotoluene
Concen: 0.002 ppbv
RT: 11.115 min Scan# 3407
Delta R.T. 0.214 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

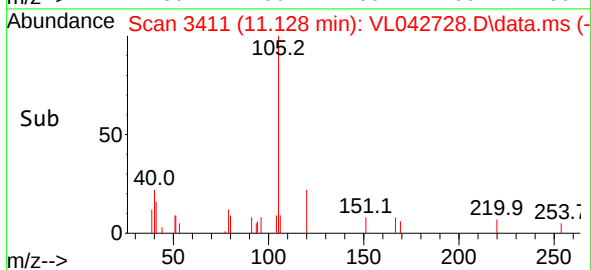
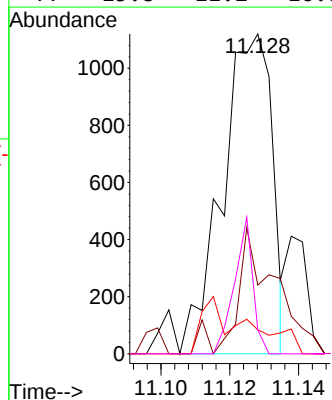
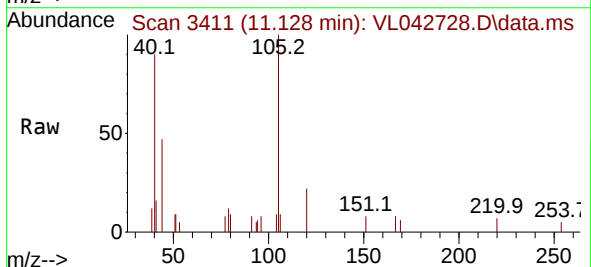
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

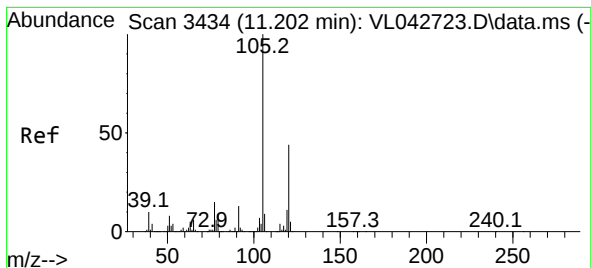
Tgt Ion: 91 Resp: 81
Ion Ratio Lower Upper
91 100
126 29.6 11.6 46.4



#72
4-Ethyltoluene
Concen: 0.027 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.004 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

Tgt Ion: 105 Resp: 1127
Ion Ratio Lower Upper
105 100
120 33.5 23.4 35.0
91 16.3 10.6 15.8#
77 15.8 11.2 16.8





#73

1,3,5-Trimethylbenzene

Concen: 0.019 ppbv

RT: 11.199 min Scan# 3433

Delta R.T. -0.003 min

Lab File: VL042728.D

Acq: 22 Jul 2025 11:46

Instrument :

MSVOA_L

ClientSampleId :

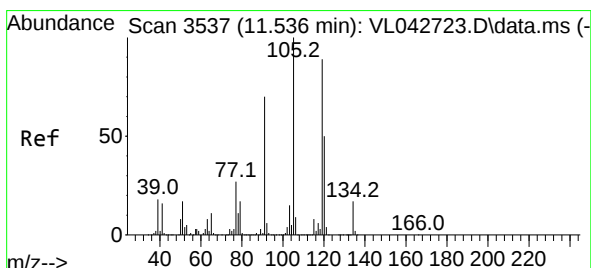
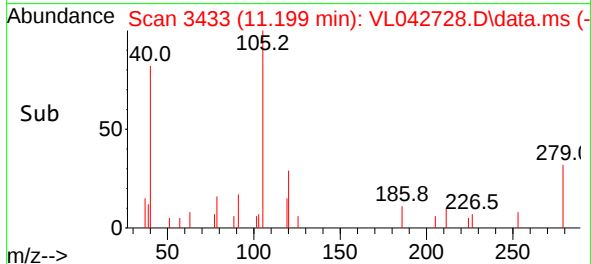
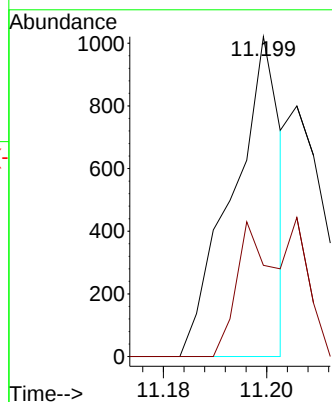
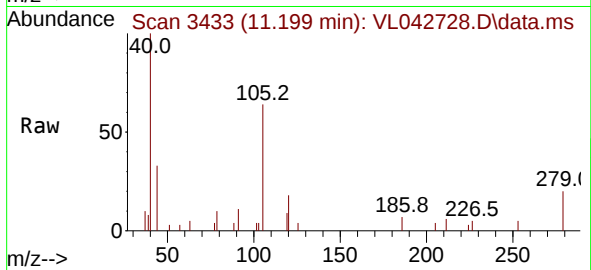
VSTDIC0.03

Tgt Ion:105 Resp: 662

Ion Ratio Lower Upper

105 100

120 28.5 35.2 52.8#



#74

1,2,4-Trimethylbenzene

Concen: 0.014 ppbv

RT: 11.530 min Scan# 3535

Delta R.T. -0.006 min

Lab File: VL042728.D

Acq: 22 Jul 2025 11:46

Tgt Ion:105 Resp: 549

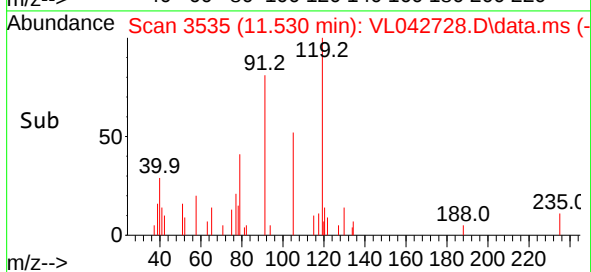
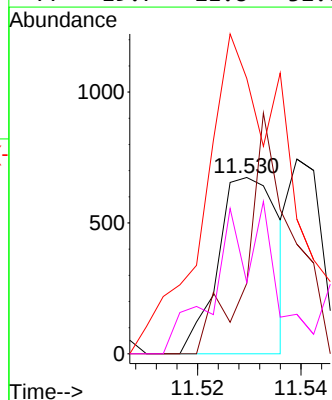
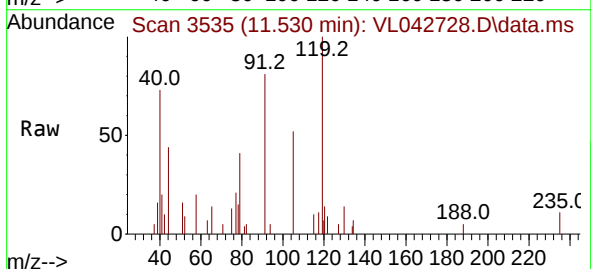
Ion Ratio Lower Upper

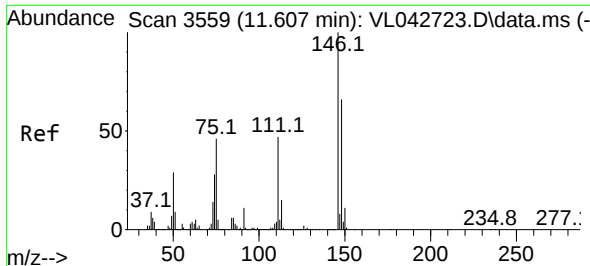
105 100

120 39.9 39.9 59.9#

91 116.9 56.5 84.7#

77 19.7 21.8 32.6#

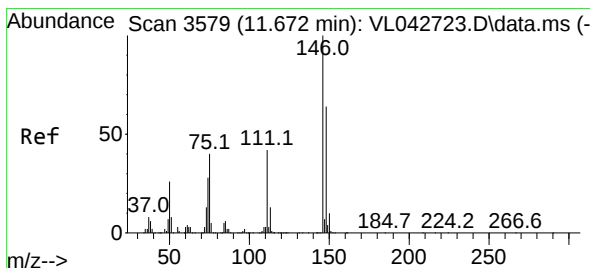
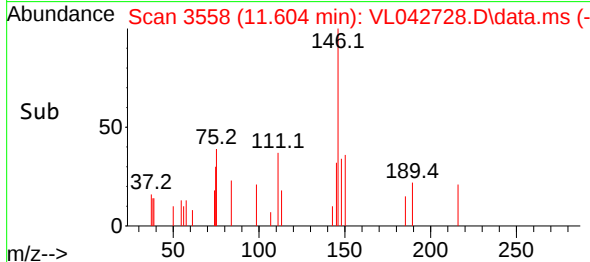
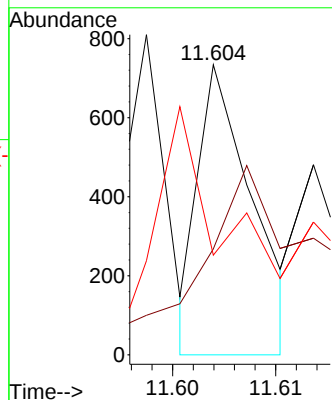
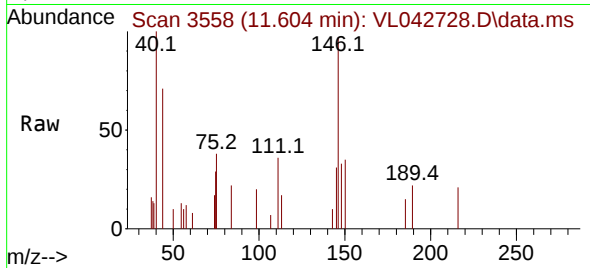




#75
1,3-Dichlorobenzene
Concen: 0.011 ppbv
RT: 11.604 min Scan# 3558
Delta R.T. -0.003 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

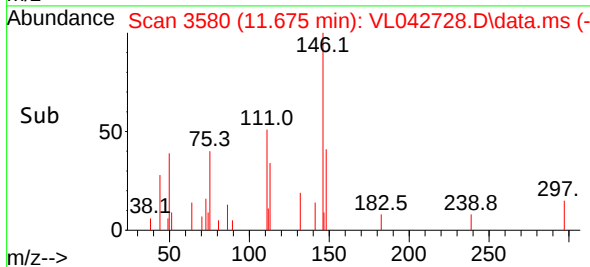
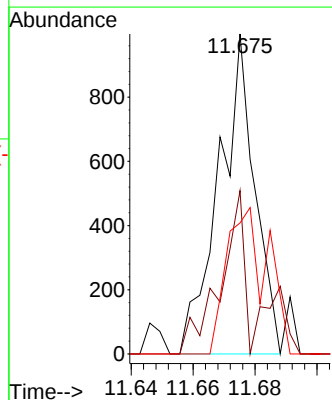
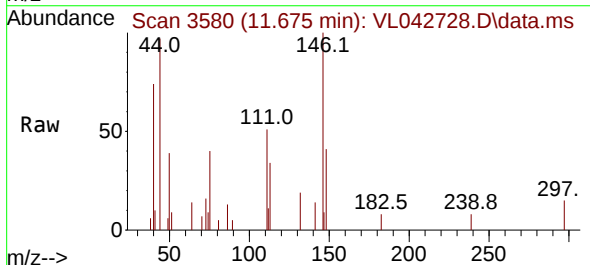
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.03

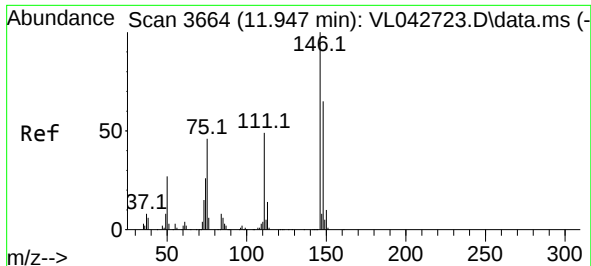
Tgt Ion:146 Resp: 268
Ion Ratio Lower Upper
146 100
111 134.0 23.5 70.5#
148 0.0 32.6 98.0#



#76
1,4-Dichlorobenzene
Concen: 0.032 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.004 min
Lab File: VL042728.D
Acq: 22 Jul 2025 11:46

Tgt Ion:146 Resp: 801
Ion Ratio Lower Upper
146 100
111 46.9 22.1 66.1
148 51.9 32.1 96.5

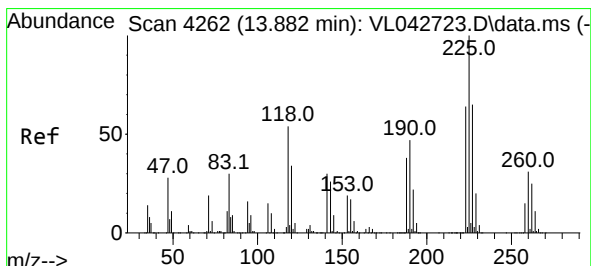
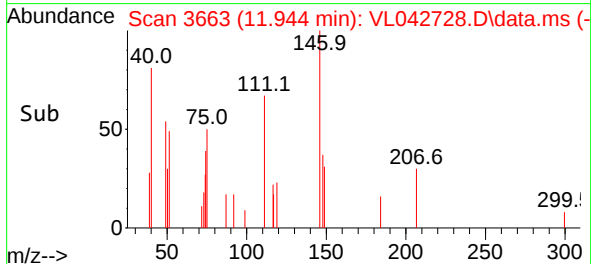
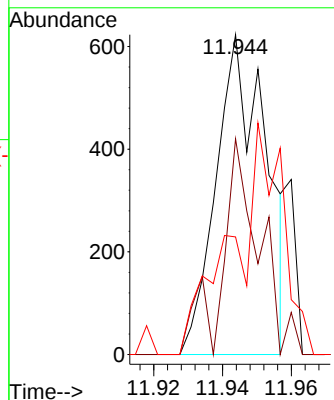
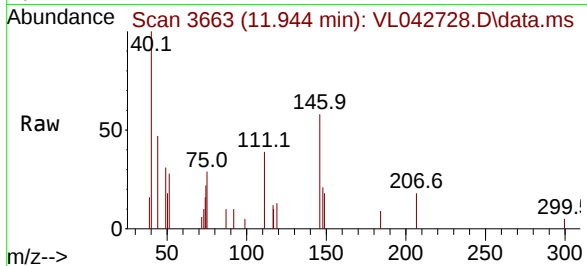




#77
 1,2-Dichlorobenzene
 Concen: 0.026 ppbv
 RT: 11.944 min Scan# 30
 Delta R.T. -0.003 min
 Lab File: VL042728.D
 Acq: 22 Jul 2025 11:46

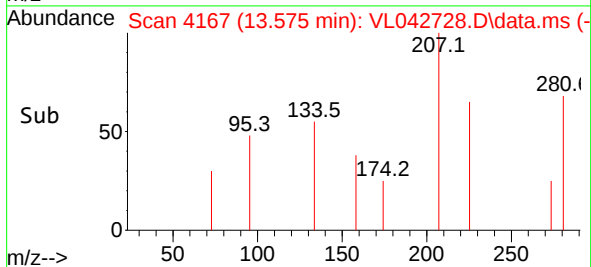
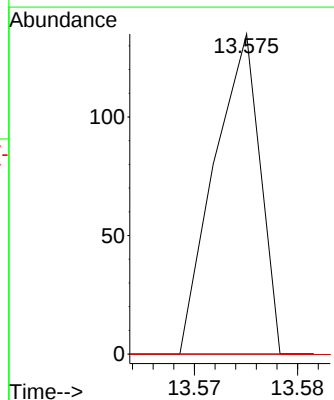
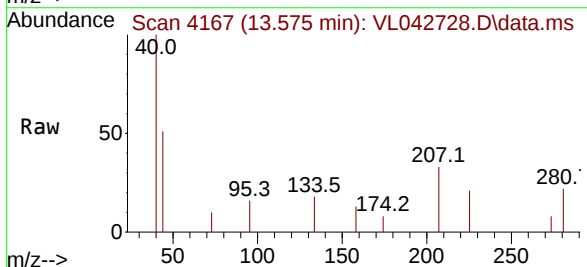
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

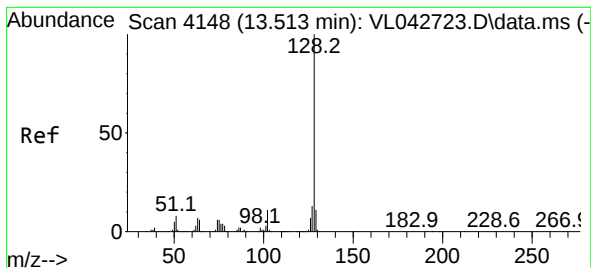
Tgt Ion:146	Resp:	624	
Ion	Ratio	Lower	Upper
146	100		
111	51.4	24.9	74.6
148	74.4	32.0	96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.002 ppbv
 RT: 13.575 min Scan# 4167
 Delta R.T. -0.307 min
 Lab File: VL042728.D
 Acq: 22 Jul 2025 11:46

Tgt	Ion:225	Resp:	42
Ion	Ratio	Lower	Upper
225	100		
223	69.0	51.3	76.9
227	73.8	51.8	77.8





#79

Naphthalene

Concen: 0.015 ppbv

RT: 13.514 min Scan# 4148

Delta R.T. 0.000 min

Lab File: VL042728.D

Acq: 22 Jul 2025 11:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

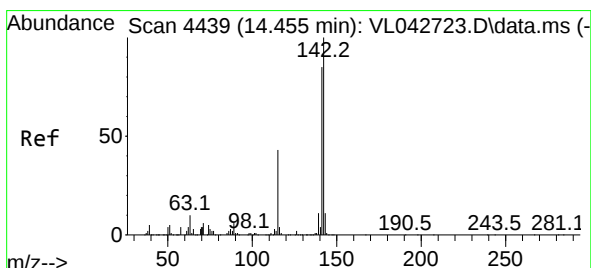
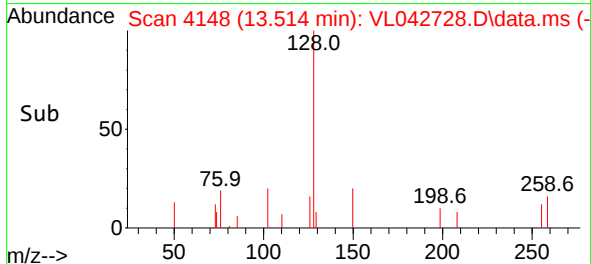
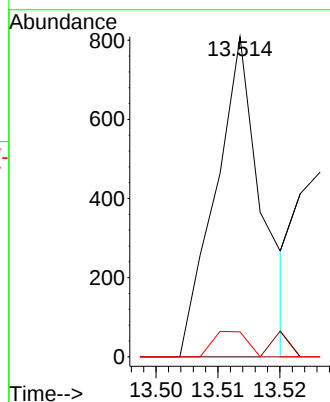
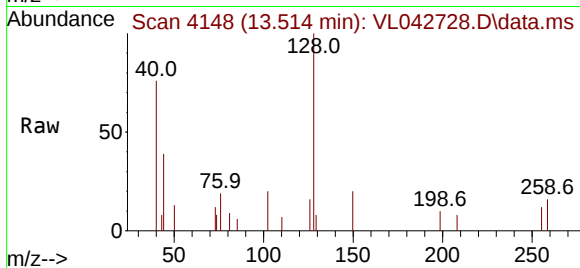
Tgt Ion:128 Resp: 419

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 7.8 8.6 13.0#



#80

Naphthalene,2-methyl-

Concen: 0.014 ppbv

RT: 14.491 min Scan# 4450

Delta R.T. 0.036 min

Lab File: VL042728.D

Acq: 22 Jul 2025 11:46

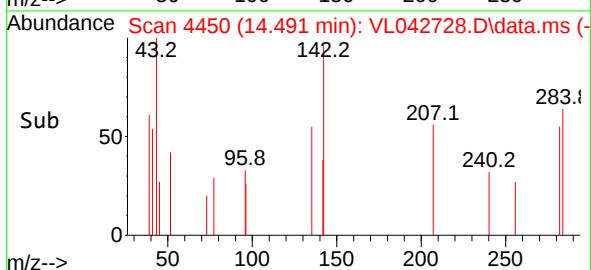
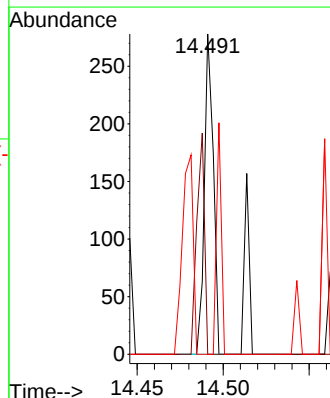
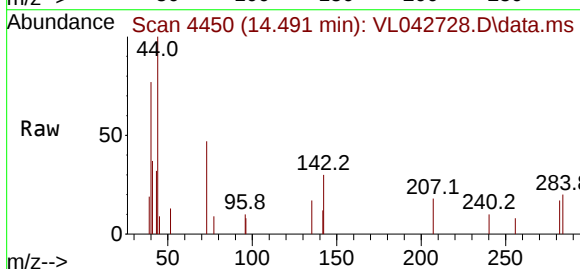
Tgt Ion:142 Resp: 131

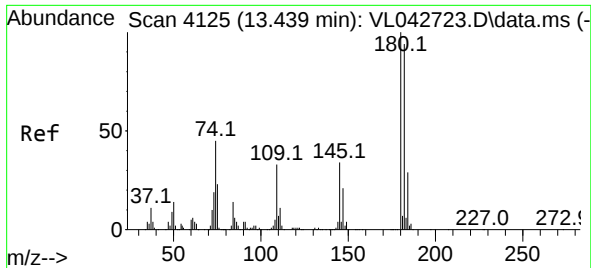
Ion Ratio Lower Upper

142 100

141 45.0 65.6 98.4#

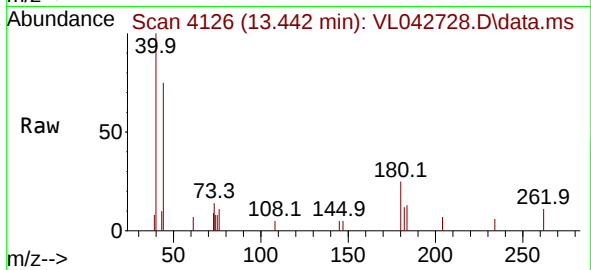
115 58.0 31.7 47.5#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.011 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. 0.004 min
 Lab File: VL042728.D
 Acq: 22 Jul 2025 11:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03



Tgt Ion:	180	Resp:	188
Ion	Ratio	Lower	Upper
180	100		
182	140.4	77.1	115.7#
184	91.5	25.0	37.4#

