

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
 Data File : VL042749.D
 Acq On : 23 Jul 2025 10:08
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Jul 24 04:57:36 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Thu Jul 24 04:55:41 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	156293	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	459770	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	410018	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 327673 10.091 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	20935	1.013	ppbv	93
3) Chlorodifluoromethane	1.473	51	27459	1.020	ppbv	99
4) Chloromethane	1.531	50	9047	1.082	ppbv	96
5) Vinyl Chloride	1.580	62	7432	0.900	ppbv	96
6) Bromomethane	1.667	94	3743	1.172	ppbv #	71
7) Chloroethane	1.703	64	3061	0.959	ppbv	99
8) Dichlorotetrafluoroethane	1.551	85	17668	1.040	ppbv	98
9) Propene	1.483	41	10346	1.057	ppbv	95
10) Heptane	4.975	43	12823	0.487	ppbv #	29
11) Trichlorofluoromethane	1.874	101	22428	1.053	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.136	101	16608	1.026	ppbv	97
13) Ethanol	1.719	45	1698	1.331	ppbv	88
14) Bromoethene	1.780	108	5928	1.034	ppbv #	92
15) Acetone	1.832	43	23119	1.071	ppbv	94
16) 1,3-Butadiene	1.606	39	9416	1.023	ppbv	98
17) tert-Butyl alcohol	2.039	59	19926	1.024	ppbv #	93
18) 1,1-Dichloroethene	2.030	96	8276	1.132	ppbv	95
19) Isopropyl Alcohol	1.884	45	11942	1.041	ppbv #	42
20) Methylene Chloride	2.059	84	7153	1.052	ppbv	90
21) Allyl Chloride	2.091	41	13382	1.006	ppbv	92
22) trans-1,2-Dichloroethene	2.337	96	7909	1.007	ppbv	89
23) Vinyl Acetate	2.457	43	23472	0.897	ppbv #	91
24) 1,1-Dichloroethane	2.405	63	17459	1.081	ppbv	99
25) Ethyl Acetate	2.829	43	48790	1.021	ppbv	97
26) Hexane	2.823	57	22279	1.063	ppbv	98
27) Carbon Disulfide	2.146	76	18488	1.031	ppbv #	1
28) Methyl tert-Butyl Ether	2.434	73	9587	0.968	ppbv	90
29) Chloroform	2.845	83	32880	1.015	ppbv	95
30) Cyclohexane	3.852	84	17824	1.003	ppbv	97
31) cis-1,2-Dichloroethene	2.716	61	21979	1.021	ppbv	97
32) 1,1,1-Trichloroethane	3.363	97	32003	0.949	ppbv	97
34) 2-Butanone	2.554	43	32783	1.007	ppbv	98
35) Carbon Tetrachloride	3.758	117	32610	0.954	ppbv	92
36) Benzene	3.651	78	44638	1.024	ppbv	98
37) 1,2-Dichloroethane	3.211	62	26909	1.025	ppbv #	96
38) Trichloroethene	4.538	130	21122	1.005	ppbv	93
39) 1,2-Dichloropropane	4.305	63	16622	1.033	ppbv	94
40) 1,4-Dioxane	4.587	88	4184	0.552	ppbv #	21
41) Tetrahydrofuran	3.056	42	16097	0.984	ppbv	97
42) Bromodichloromethane	4.486	83	13285	0.388	ppbv	99
43) Methyl Methacrylate	4.868	69	7135	0.461	ppbv #	1
44) 2,2,4-Trimethylpentane	4.629	57	72865	1.026	ppbv	99
45) t-1,3-Dichloropropene	6.399	75	4937	0.284	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
 Data File : VL042749.D
 Acq On : 23 Jul 2025 10:08
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

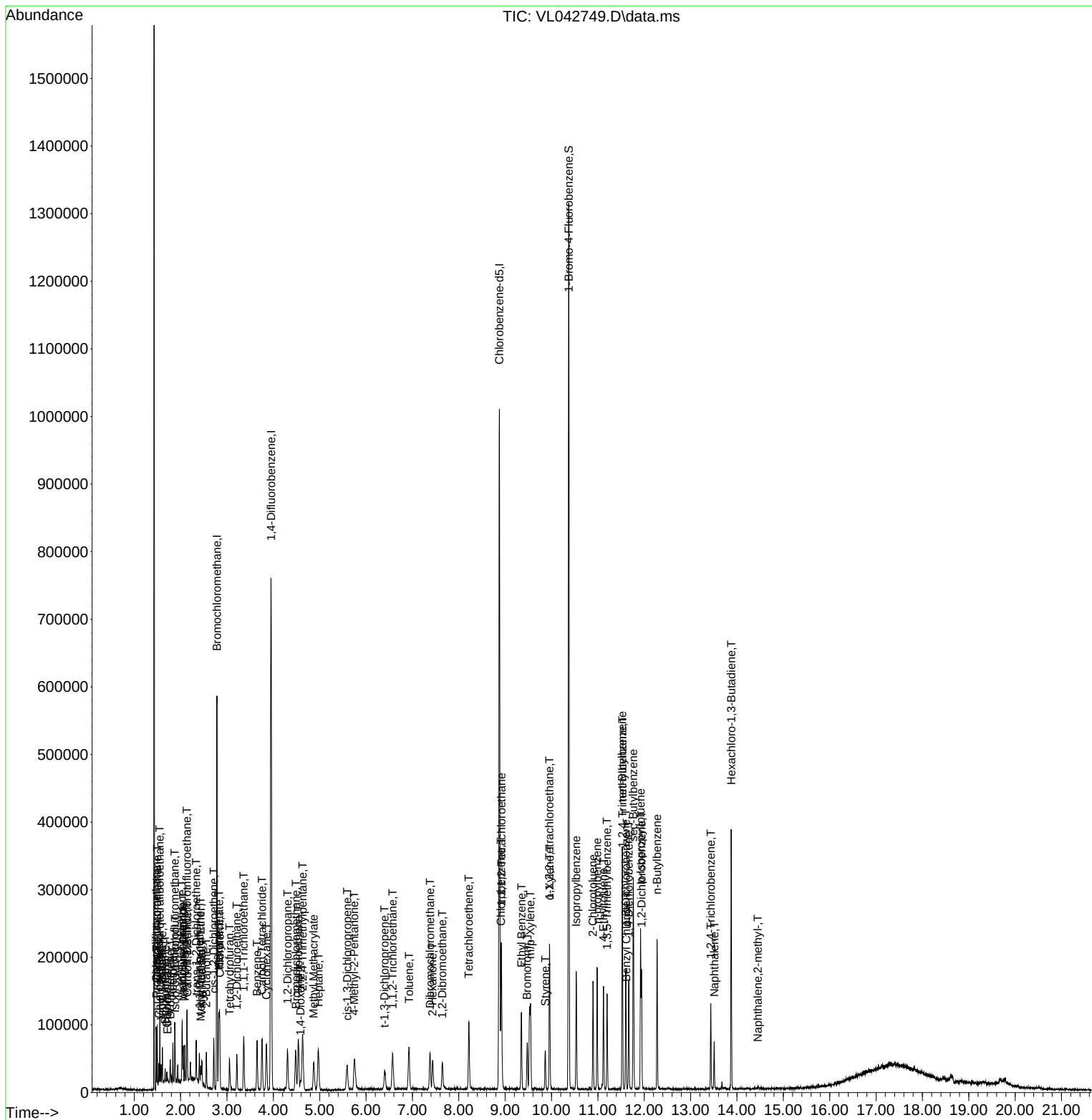
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

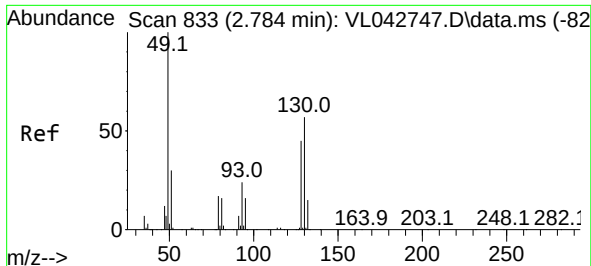
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 04:55:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	9670	0.439	ppbv #	94
47) 1,1,2-Trichloroethane	6.574	97	17646	1.029	ppbv #	82
48) Dibromochloromethane	7.380	129	26259	0.965	ppbv	99
49) Bromoform	9.474	173	23083	0.973	ppbv	100
50) 4-Methyl-2-Pentanone	5.745	43	20247	0.488	ppbv #	40
51) 2-Hexanone	7.435	43	29761	0.939	ppbv #	100
52) Tetrachloroethene	8.215	164	18131	1.001	ppbv	96
53) Toluene	6.927	91	45645	0.976	ppbv	98
54) 1,2-Dibromoethane	7.642	107	24427	1.007	ppbv	85
56) 1,1,1,2-Tetrachloroethane	8.920	131	21319	1.000	ppbv	94
57) Chlorobenzene	8.911	112	41788	1.053	ppbv #	85
58) Ethyl Benzene	9.351	91	63467	0.980	ppbv	98
59) m/p-Xylene	9.545	91	43966	0.849	ppbv #	3
60) o-Xylene	9.959	91	52499	1.015	ppbv	99
61) Styrene	9.865	104	20313	0.934	ppbv	97
62) Isopropylbenzene	10.532	105	77278	1.013	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.956	83	32591	0.967	ppbv	100
64) n-propylbenzene	10.985	120	20073	1.009	ppbv	95
65) tert-Butylbenzene	11.526	119	68428	1.010	ppbv	95
66) Benzyl Chloride	11.610	91	4700	0.845	ppbv	96
67) sec-Butylbenzene	11.762	105	101458	1.053	ppbv	99
69) p-Isopropyltoluene	11.921	119	78186	0.995	ppbv	98
70) n-Butylbenzene	12.277	91	74257	0.978	ppbv	98
71) 2-Chlorotoluene	10.895	91	59193	1.012	ppbv	100
72) 4-Ethyltoluene	11.121	105	61199	0.991	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	48901	0.962	ppbv	99
74) 1,2,4-Trimethylbenzene	11.532	105	55153	0.994	ppbv	97
75) 1,3-Dichlorobenzene	11.600	146	39753	1.022	ppbv	97
76) 1,4-Dichlorobenzene	11.665	146	38018	0.999	ppbv	98
77) 1,2-Dichlorobenzene	11.943	146	40835	1.068	ppbv	98
78) Hexachloro-1,3-Butadiene	13.876	225	37228	1.076	ppbv	98
79) Naphthalene	13.510	128	29792	0.907	ppbv	97
80) Naphthalene,2-methyl-	14.449	142	1950	1.184	ppbv #	78
81) 1,2,4-Trichlorobenzene	13.435	180	21929	1.053	ppbv	98

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

Quant Time: Jul 24 04:57:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

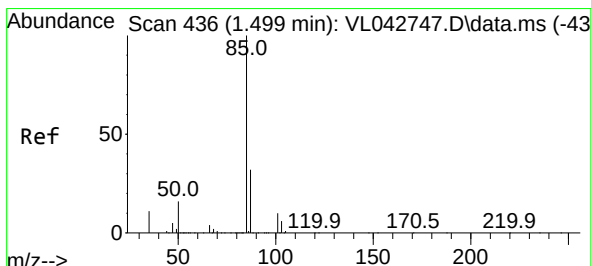
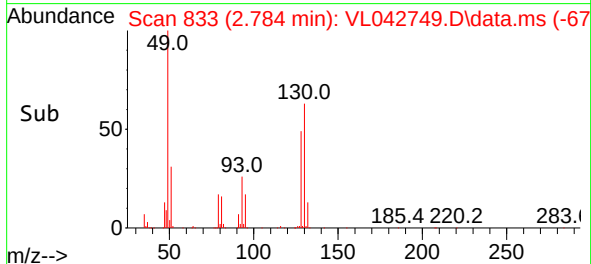
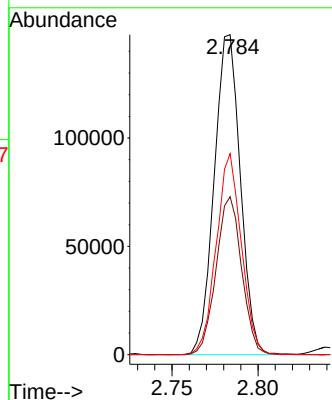
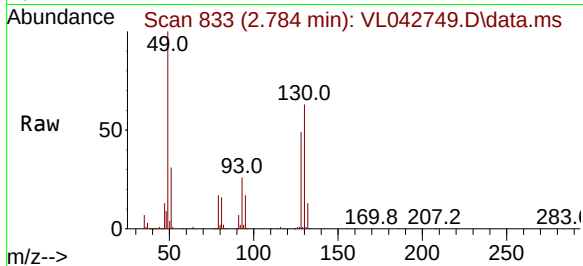




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.784 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL042749.D
 Acq: 23 Jul 2025 10:08

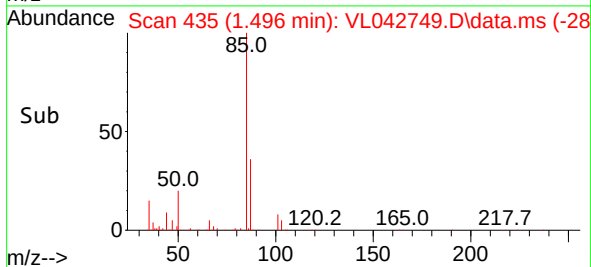
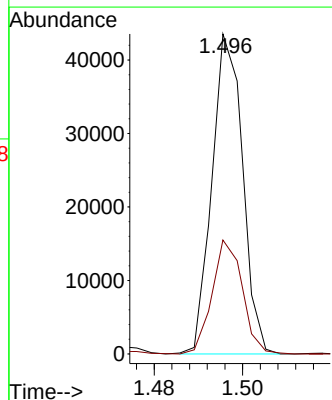
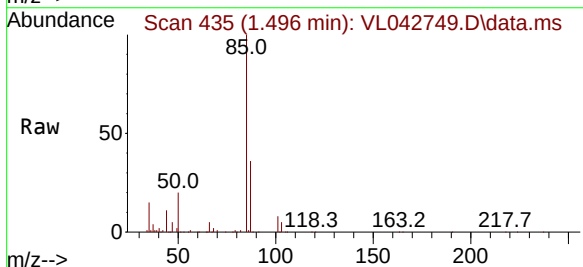
Instrument :
 MSVOA_L
 ClientSampleId :
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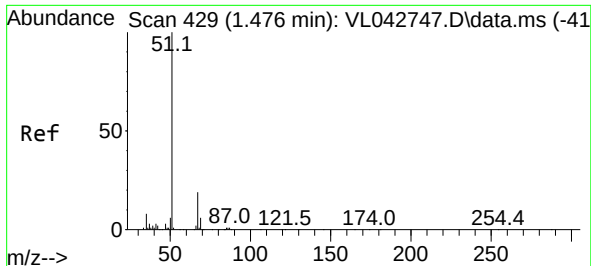
Tgt Ion: 49 Resp: 156293
 Ion Ratio Lower Upper
 49 100
 128 48.2 23.6 71.0
 130 60.4 30.3 90.8



#2
 Dichlorodifluoromethane
 Concen: 1.013 ppbv
 RT: 1.496 min Scan# 435
 Delta R.T. -0.003 min
 Lab File: VL042749.D
 Acq: 23 Jul 2025 10:08

Tgt Ion: 85 Resp: 20935
 Ion Ratio Lower Upper
 85 100
 87 35.6 25.4 38.2

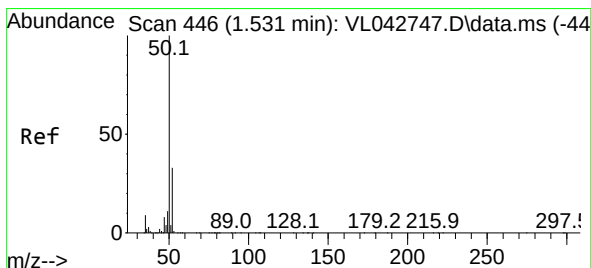
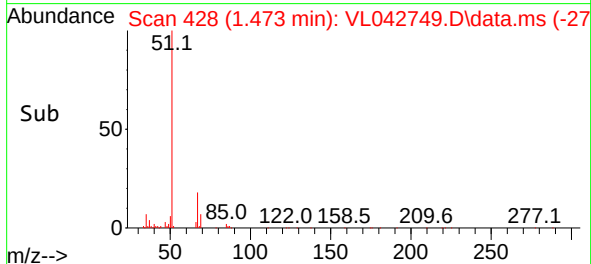
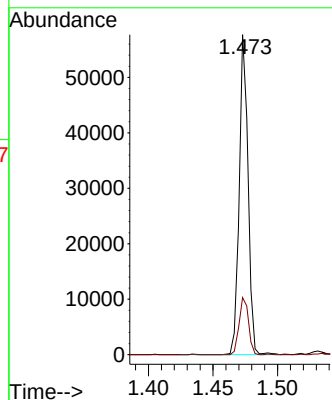
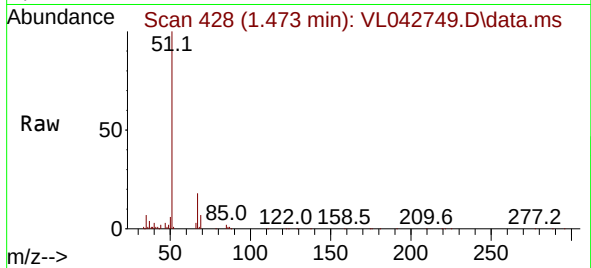




#3
Chlorodifluoromethane
Concen: 1.020 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

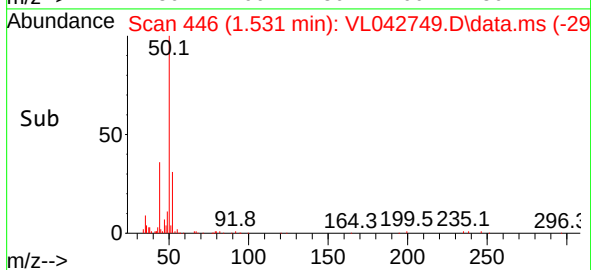
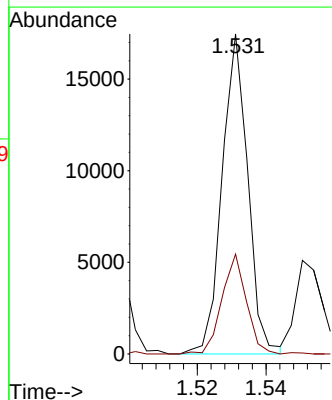
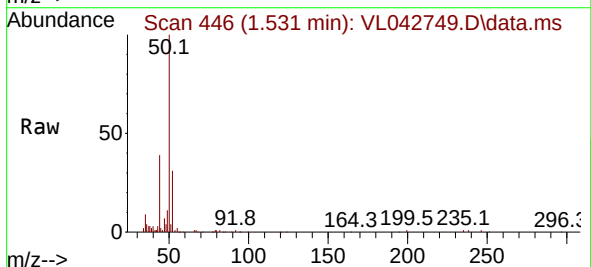
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC001

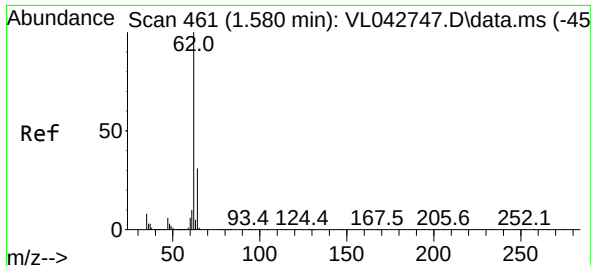
Tgt Ion: 51 Resp: 27459
Ion Ratio Lower Upper
51 100
67 19.3 15.0 22.6



#4
Chloromethane
Concen: 1.082 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 50 Resp: 9047
Ion Ratio Lower Upper
50 100
52 31.2 26.6 40.0

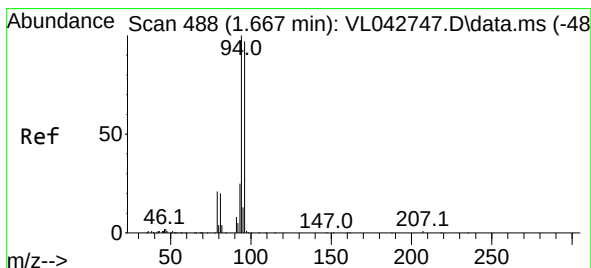
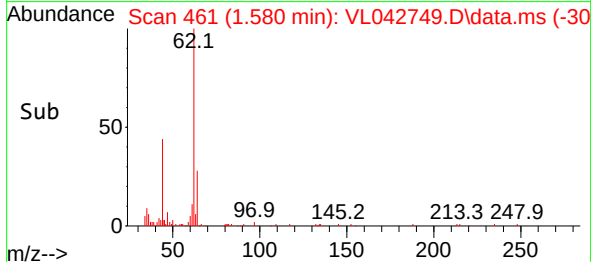
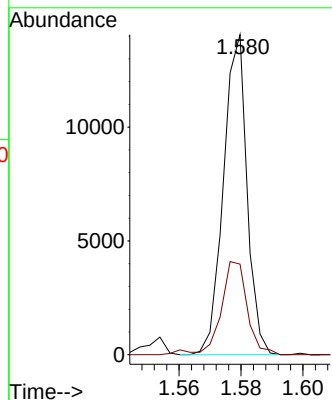
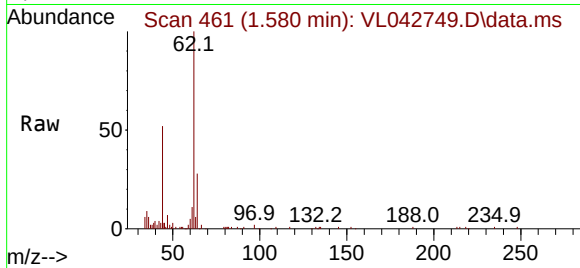




#5
 Vinyl Chloride
 Concen: 0.900 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042749.D
 Acq: 23 Jul 2025 10:08

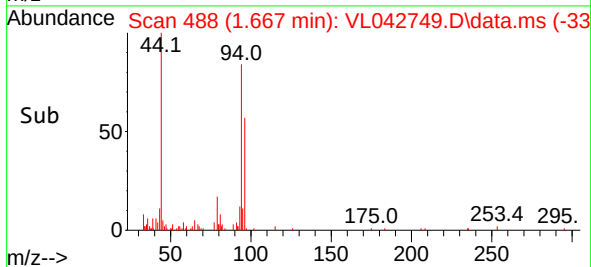
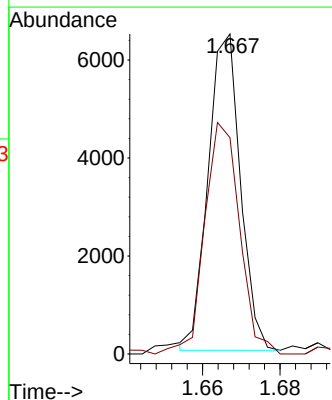
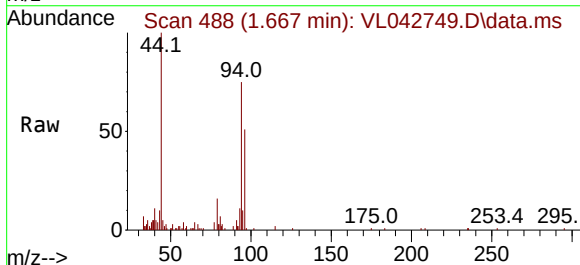
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

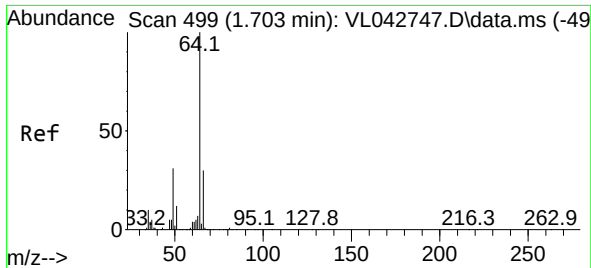
Tgt Ion: 62 Resp: 7432
 Ion Ratio Lower Upper
 62 100
 64 28.3 24.5 36.7



#6
 Bromomethane
 Concen: 1.172 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042749.D
 Acq: 23 Jul 2025 10:08

Tgt Ion: 94 Resp: 3743
 Ion Ratio Lower Upper
 94 100
 96 68.4 77.6 116.4#

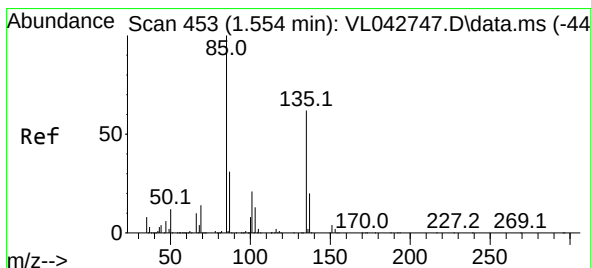
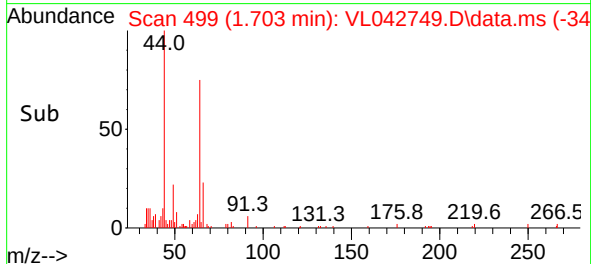
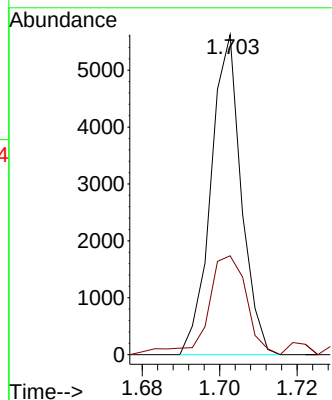
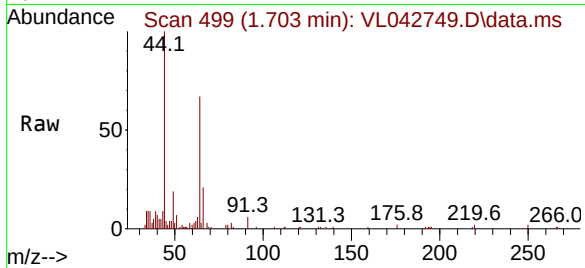




#7
Chloroethane
Concen: 0.959 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

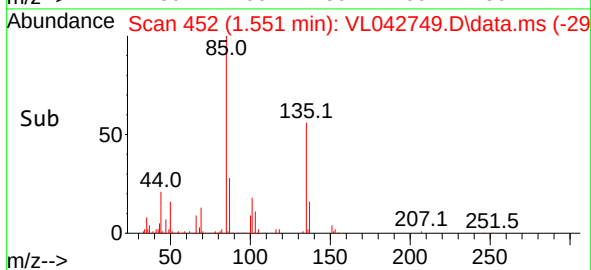
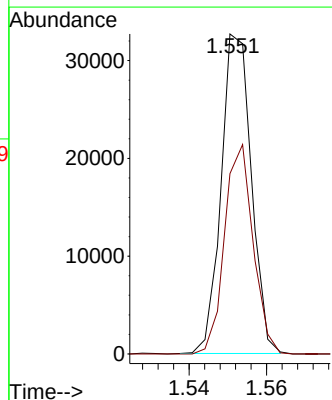
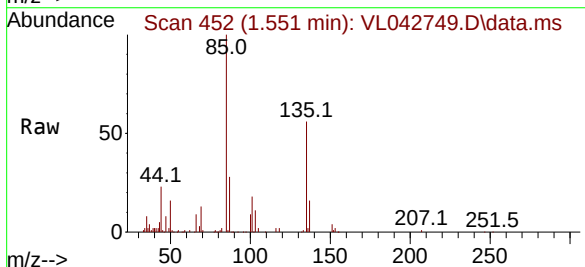
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ClientSampleId :
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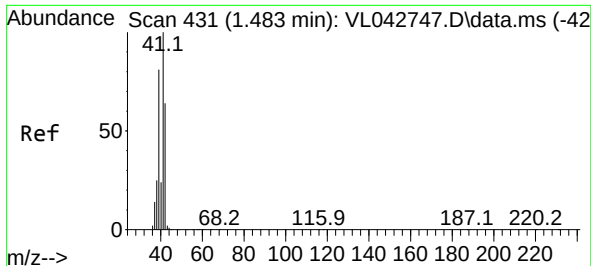
Tgt Ion: 64 Resp: 3061
Ion Ratio Lower Upper
64 100
66 30.9 24.1 36.1



#8
Dichlorotetrafluoroethane
Concen: 1.040 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 85 Resp: 17668
Ion Ratio Lower Upper
85 100
135 62.1 50.6 76.0

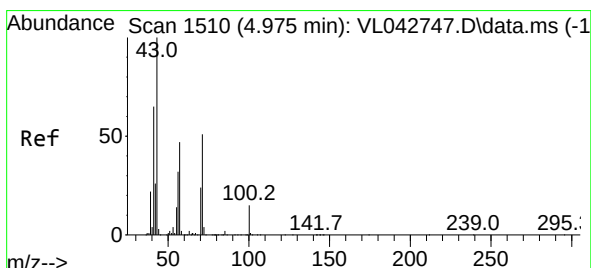
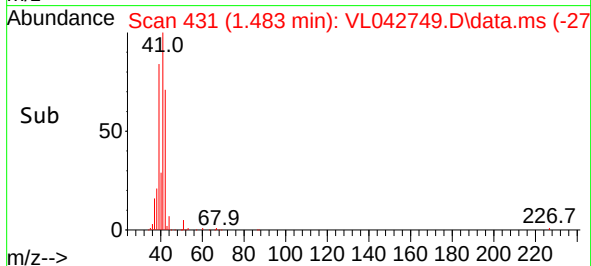
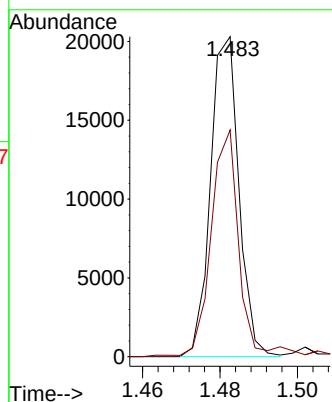
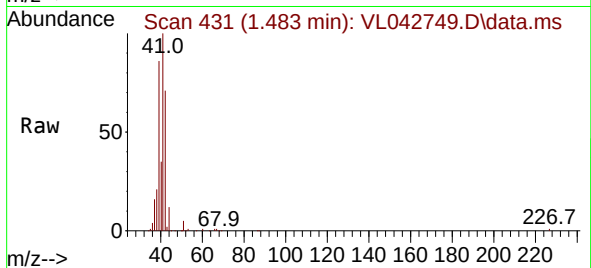




#9
 Propene
 Concen: 1.057 ppbv
 RT: 1.483 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042749.D
 Acq: 23 Jul 2025 10:08

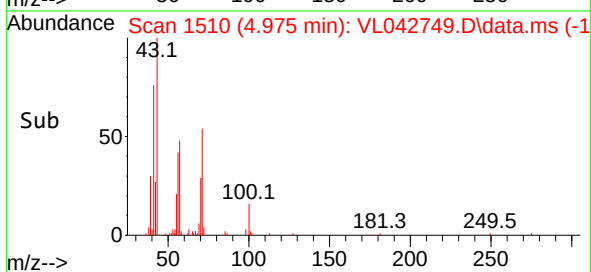
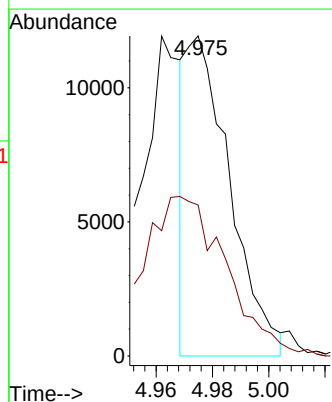
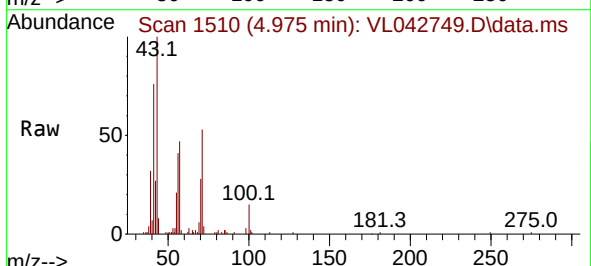
Instrument :
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 ClientSampleId :
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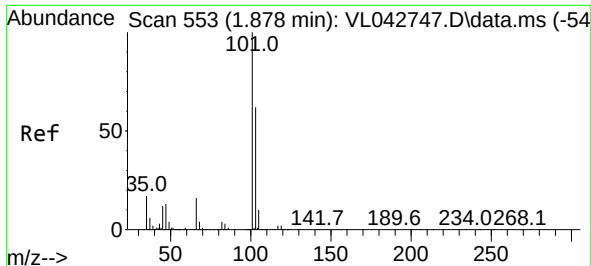
Tgt Ion: 41 Resp: 10346
 Ion Ratio Lower Upper
 41 100
 42 70.5 53.2 79.8



#10
 Heptane
 Concen: 0.487 ppbv
 RT: 4.975 min Scan# 1510
 Delta R.T. -0.000 min
 Lab File: VL042749.D
 Acq: 23 Jul 2025 10:08

Tgt Ion: 43 Resp: 12823
 Ion Ratio Lower Upper
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 57 98.9 39.9 59.9#

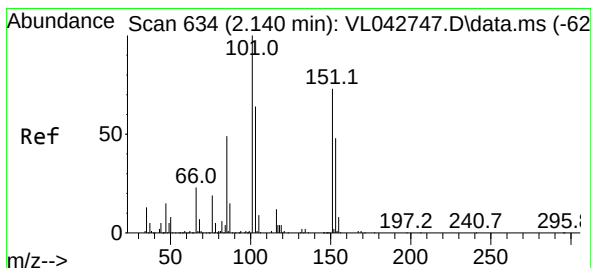
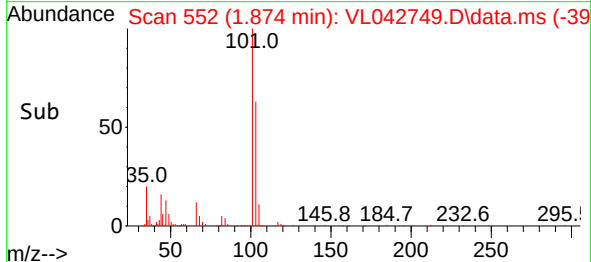
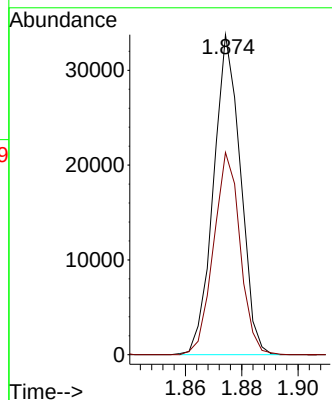
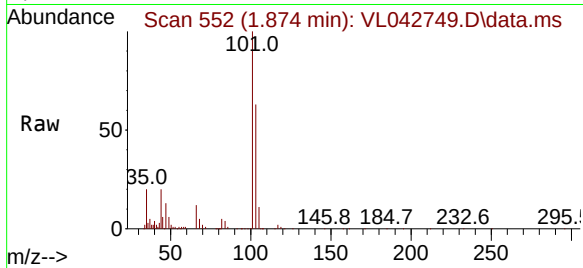




#11
 Trichlorofluoromethane
 Concen: 1.053 ppbv
 RT: 1.874 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL042749.D
 Acq: 23 Jul 2025 10:08

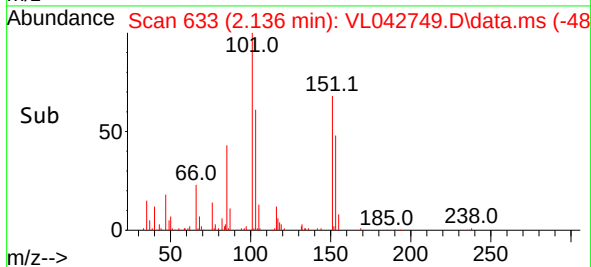
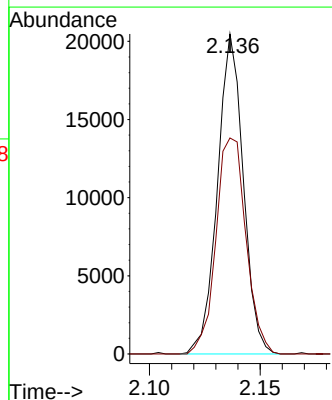
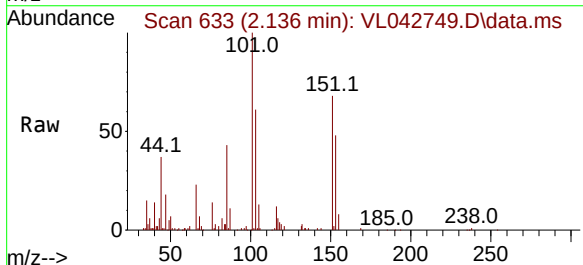
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

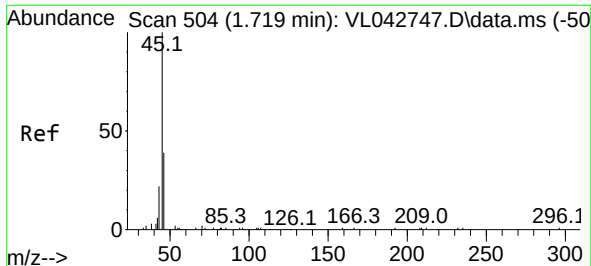
Tgt Ion:101 Resp: 22428
 Ion Ratio Lower Upper
 101 100
 103 63.2 49.6 74.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.026 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. -0.003 min
 Lab File: VL042749.D
 Acq: 23 Jul 2025 10:08

Tgt Ion:101 Resp: 16608
 Ion Ratio Lower Upper
 101 100
 151 78.6 60.5 90.7

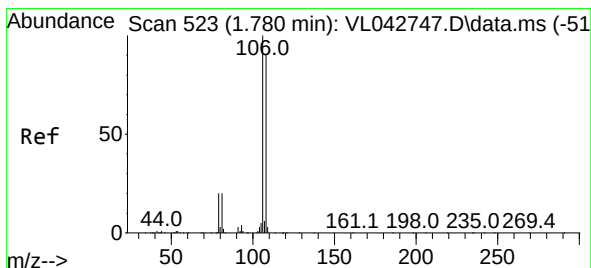
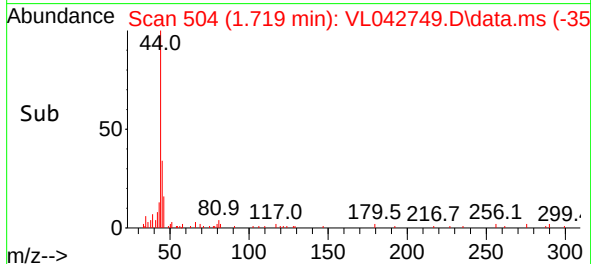
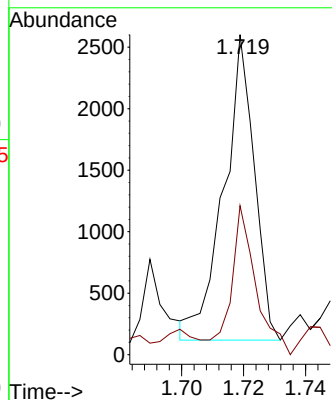
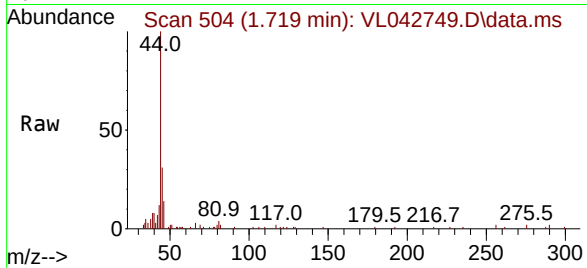




#13
Ethanol
Concen: 1.331 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

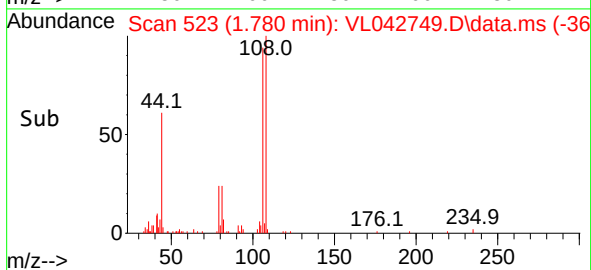
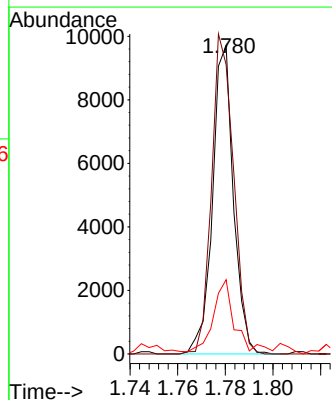
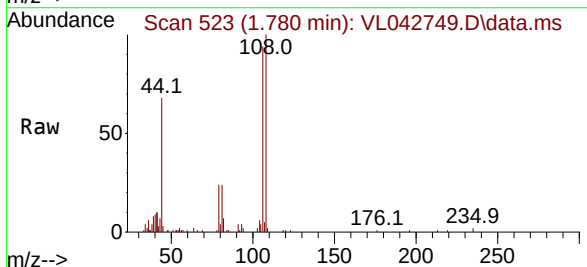
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

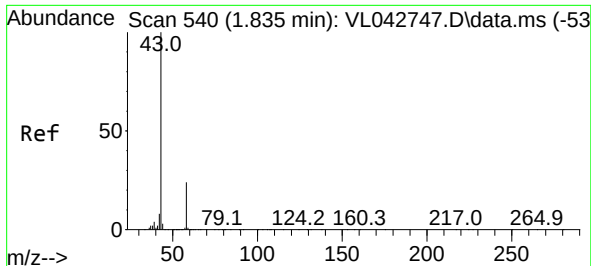
Tgt Ion: 45 Resp: 1698
Ion Ratio Lower Upper
45 100
46 36.6 17.8 71.4



#14
Bromoethene
Concen: 1.034 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 108 Resp: 5928
Ion Ratio Lower Upper
108 100
106 108.7 84.7 127.1
79 38.6 17.4 26.2#

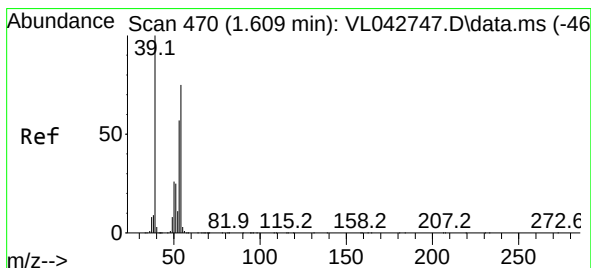
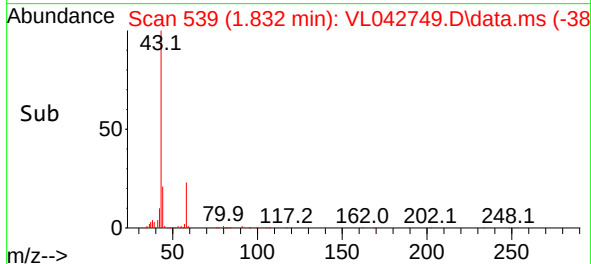
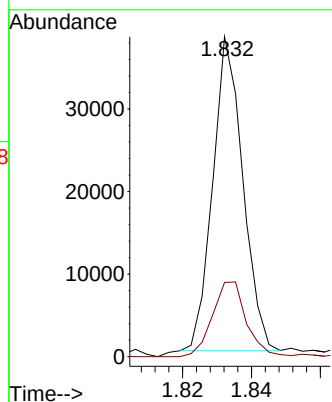
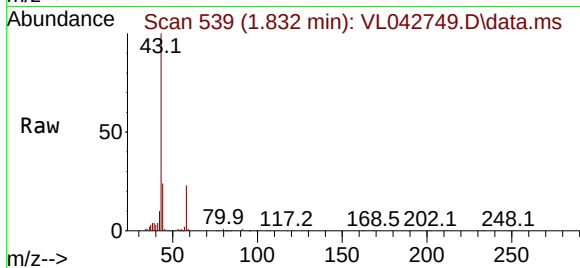




#15
Acetone
Concen: 1.071 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

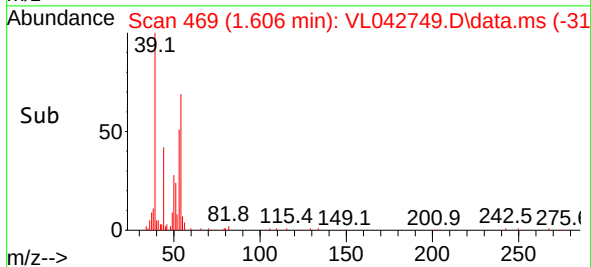
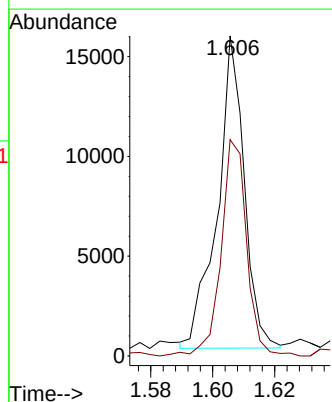
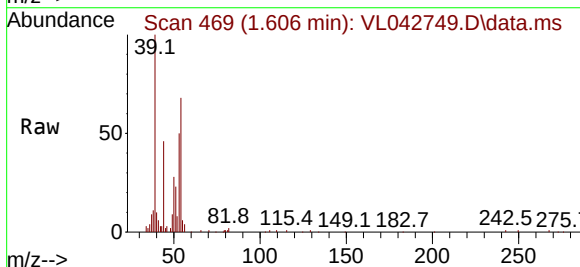
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

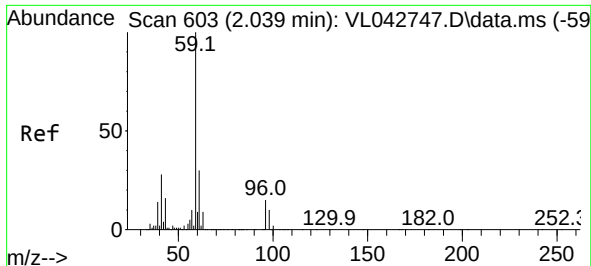
Tgt Ion: 43 Resp: 23119
Ion Ratio Lower Upper
43 100
58 27.7 19.8 29.8



#16
1,3-Butadiene
Concen: 1.023 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 39 Resp: 9416
Ion Ratio Lower Upper
39 100
54 69.7 54.5 81.7





#17

tert-Butyl alcohol

Concen: 1.024 ppbv

RT: 2.039 min Scan# 603

Delta R.T. -0.000 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

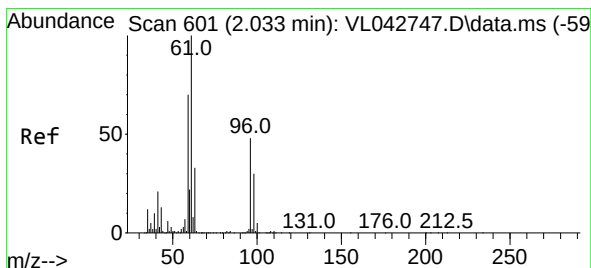
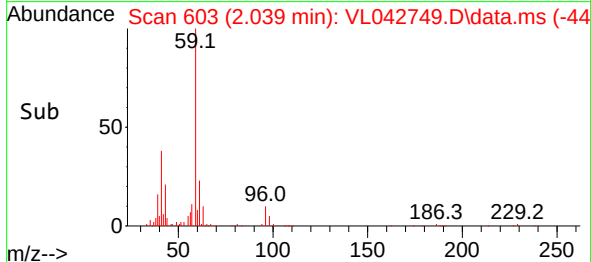
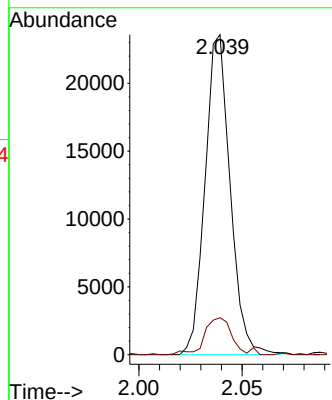
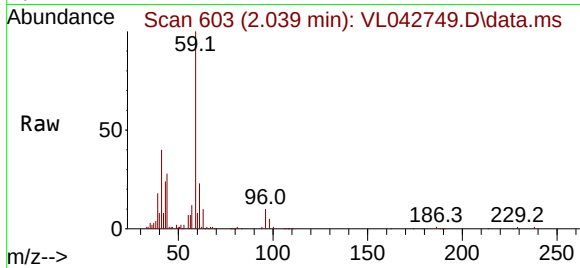
VSTDIC001

Tgt Ion: 59 Resp: 19926

Ion Ratio Lower Upper

59 100

57 12.9 8.3 12.5#



#18

1,1-Dichloroethene

Concen: 1.132 ppbv

RT: 2.030 min Scan# 600

Delta R.T. -0.003 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

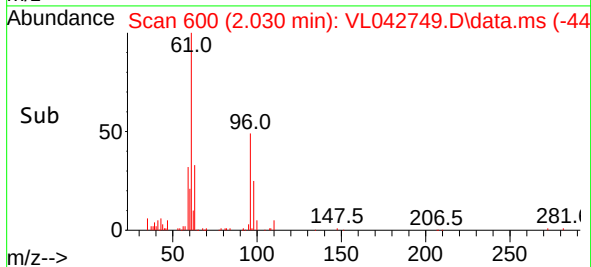
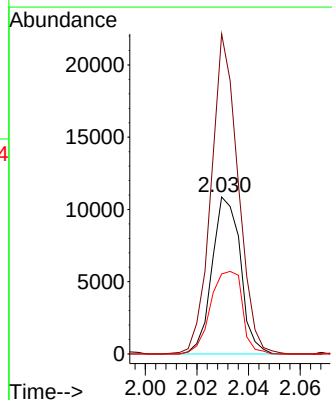
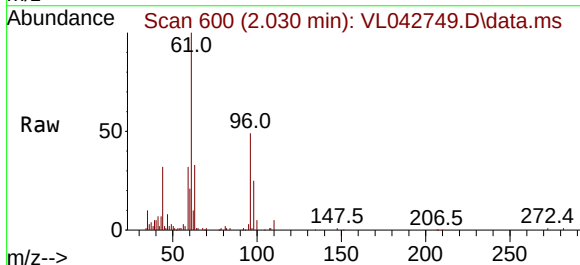
Tgt Ion: 96 Resp: 8276

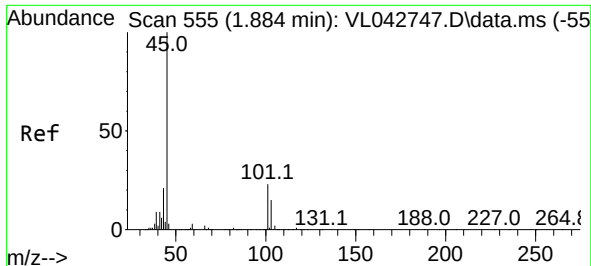
Ion Ratio Lower Upper

96 100

61 203.0 165.8 248.6

98 51.0 49.9 74.9

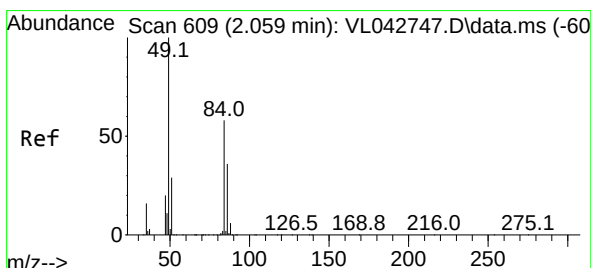
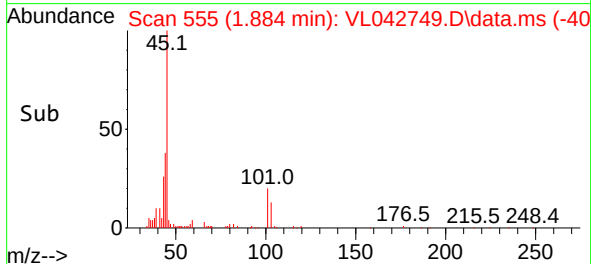
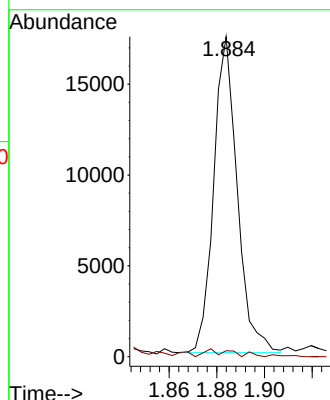
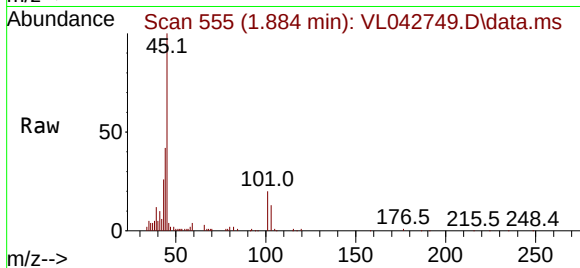




#19
Isopropyl Alcohol
Concen: 1.041 ppbv
RT: 1.884 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

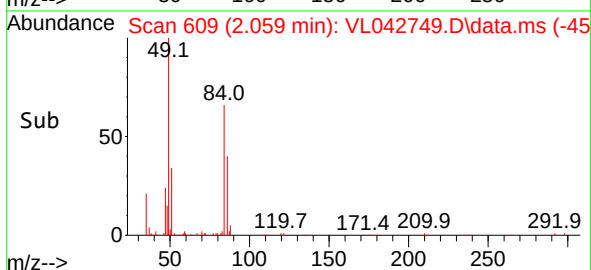
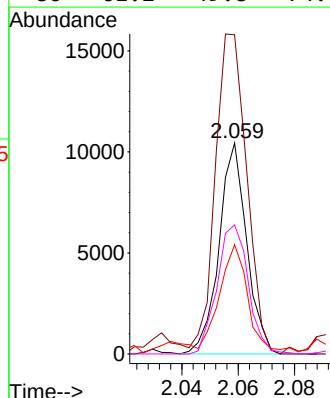
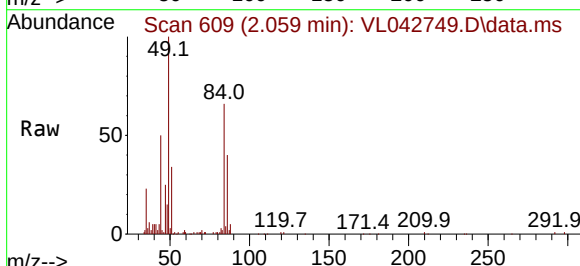
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

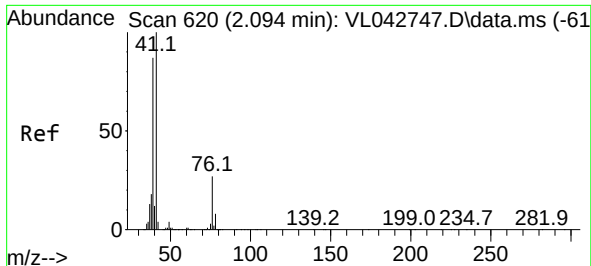
Tgt Ion: 45 Resp: 11942
Ion Ratio Lower Upper
45 100
58 2.8 30.0 45.0#



#20
Methylene Chloride
Concen: 1.052 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 84 Resp: 7153
Ion Ratio Lower Upper
84 100
49 151.3 138.6 208.0
51 50.2 40.6 61.0
86 61.2 49.8 74.8

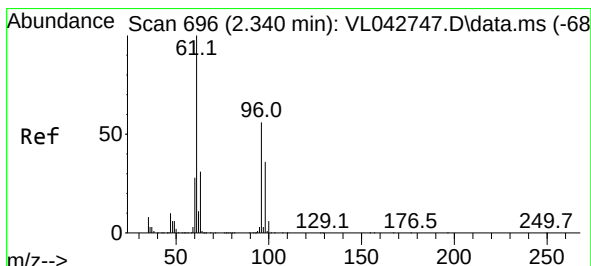
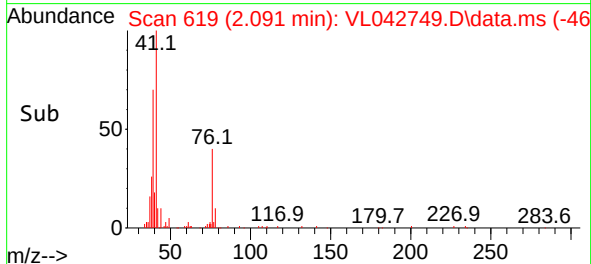
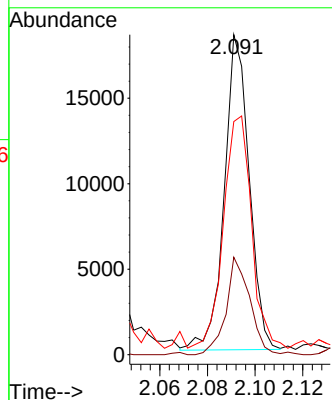
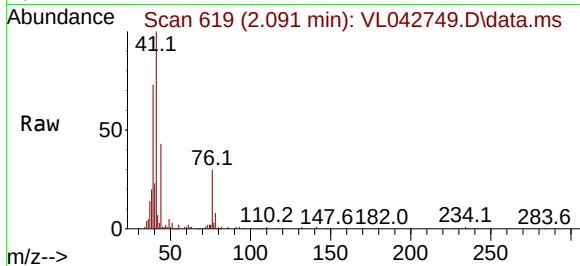




#21
 Allyl Chloride
 Concen: 1.006 ppbv
 RT: 2.091 min Scan# 619
 Delta R.T. -0.003 min
 Lab File: VL042749.D
 Acq: 23 Jul 2025 10:08

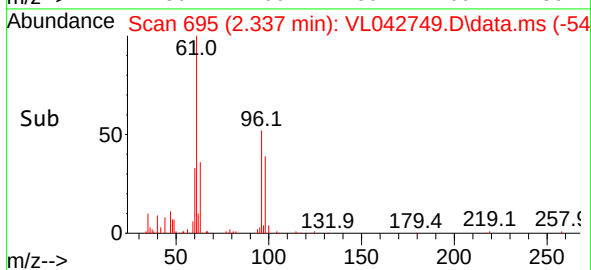
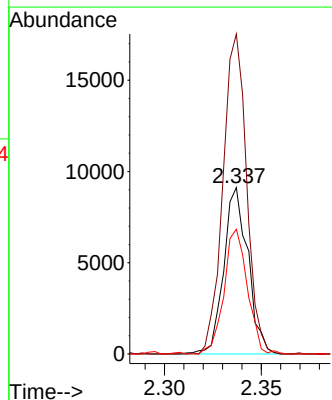
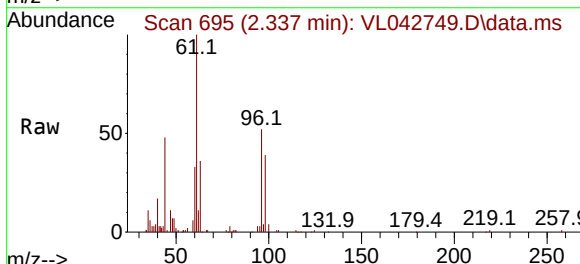
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

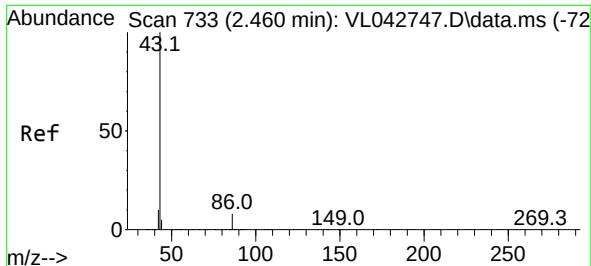
Tgt Ion: 41 Resp: 13382
 Ion Ratio Lower Upper
 41 100
 76 30.1 21.1 31.7
 39 93.4 68.3 102.5



#22
 trans-1,2-Dichloroethene
 Concen: 1.007 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. -0.003 min
 Lab File: VL042749.D
 Acq: 23 Jul 2025 10:08

Tgt Ion: 96 Resp: 7909
 Ion Ratio Lower Upper
 96 100
 61 192.3 142.3 213.5
 98 74.2 50.6 76.0

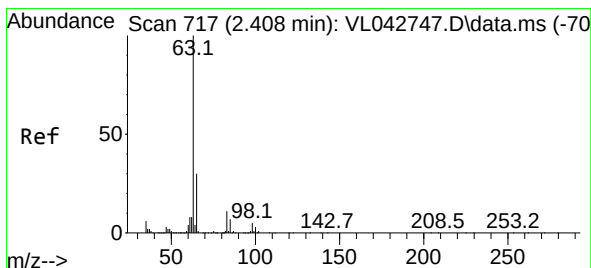
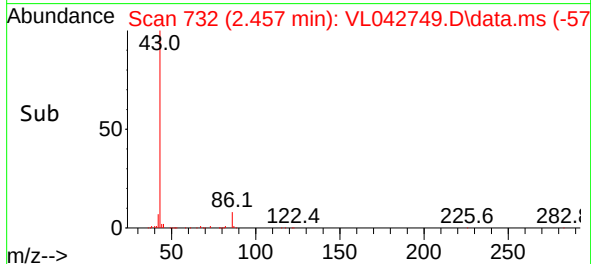
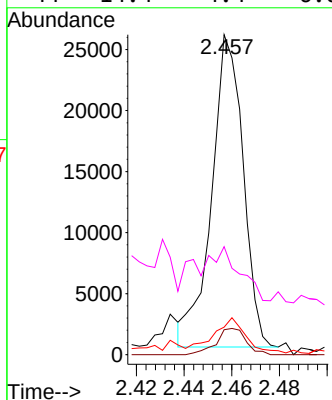
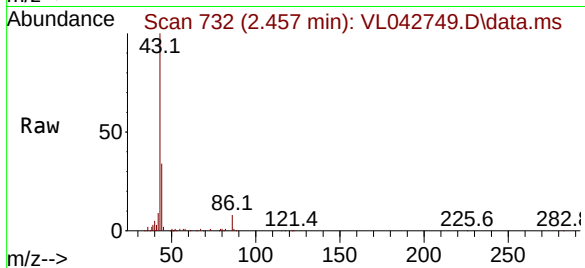




#23
Vinyl Acetate
Concen: 0.897 ppbv
RT: 2.457 min Scan# 716
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

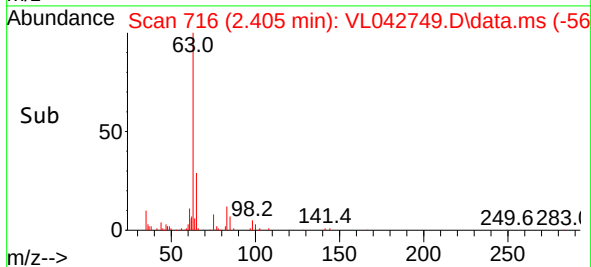
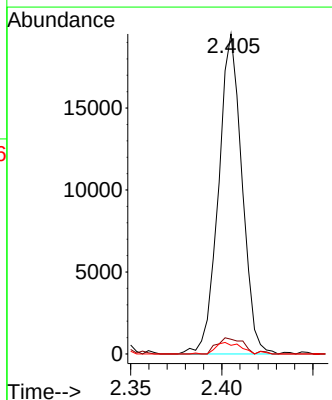
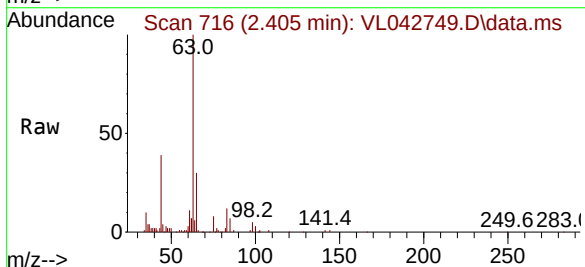
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

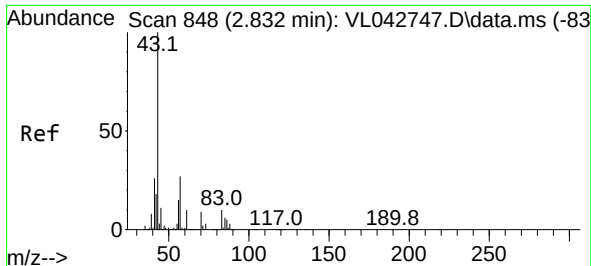
Tgt Ion:	43	Resp:	23472
Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.1	9.1
42	7.5	7.8	11.8#
44	14.4	4.4	6.6#



#24
1,1-Dichloroethane
Concen: 1.081 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:	63	Resp:	17459
Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.5	7.4
100	2.7	1.6	4.8

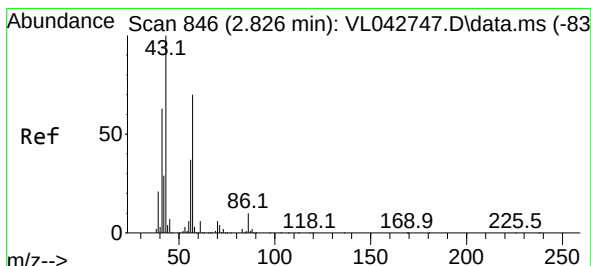
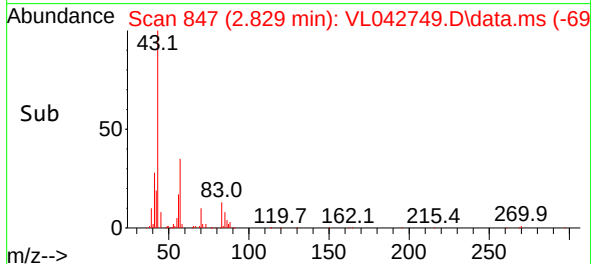
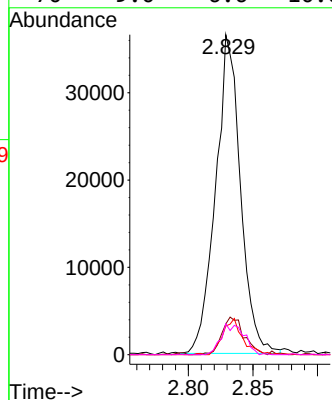
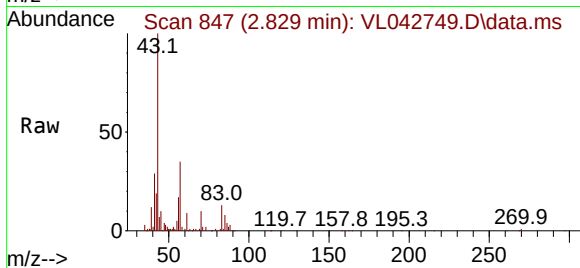




#25
Ethyl Acetate
Concen: 1.021 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

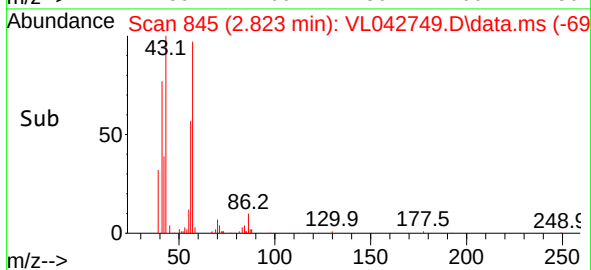
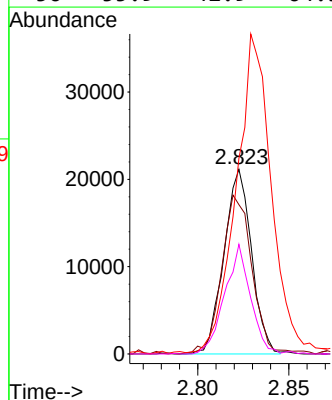
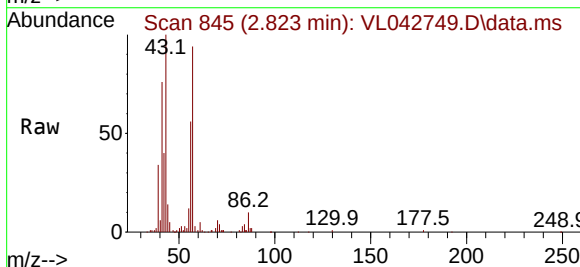
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC001

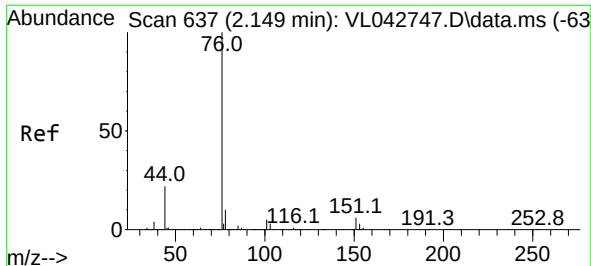
Tgt Ion:	43	Resp:	48790
Ion	Ratio	Lower	Upper
43	100		
45	11.3	7.8	11.6
61	9.3	6.7	10.1
70	9.0	6.6	10.0



#26
Hexane
Concen: 1.063 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:	57	Resp:	22279
Ion	Ratio	Lower	Upper
57	100		
41	98.5	75.4	113.2
43	230.7	185.0	277.6
56	55.9	42.9	64.3





#27

Carbon Disulfide

Concen: 1.031 ppbv

RT: 2.146 min Scan# 61

Delta R.T. -0.003 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

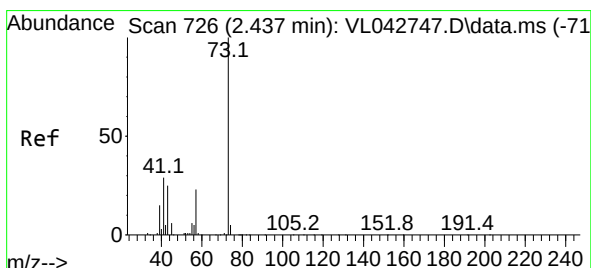
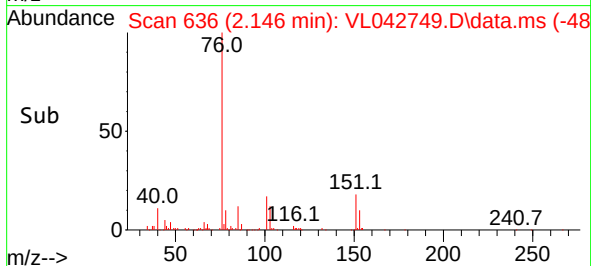
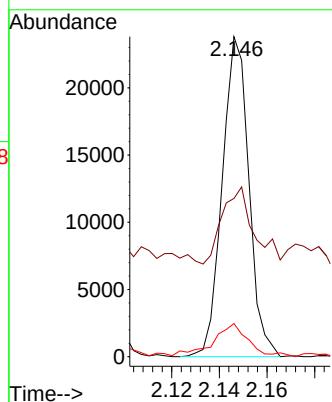
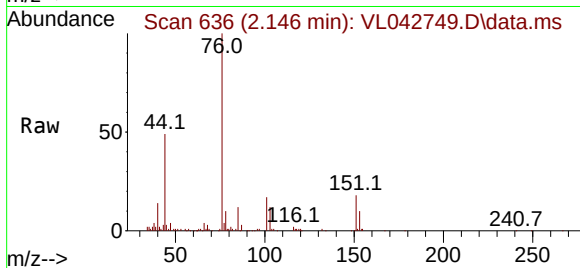
Tgt Ion: 76 Resp: 18488

Ion Ratio Lower Upper

76 100

44 115.6 19.3 28.9#

78 14.9 9.9 14.9#



#28

Methyl tert-Butyl Ether

Concen: 0.968 ppbv

RT: 2.434 min Scan# 725

Delta R.T. -0.003 min

Lab File: VL042749.D

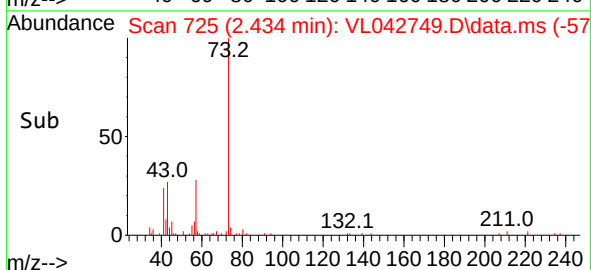
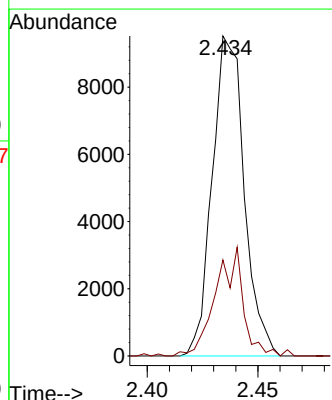
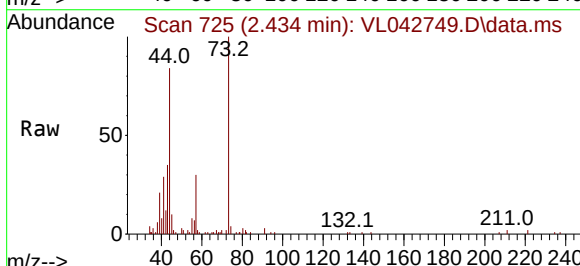
Acq: 23 Jul 2025 10:08

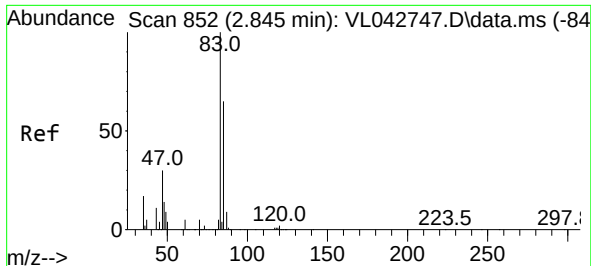
Tgt Ion: 73 Resp: 9587

Ion Ratio Lower Upper

73 100

57 29.7 19.8 29.8





#29

Chloroform

Concen: 1.015 ppbv

RT: 2.845 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

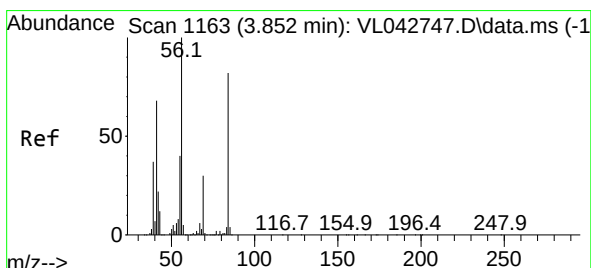
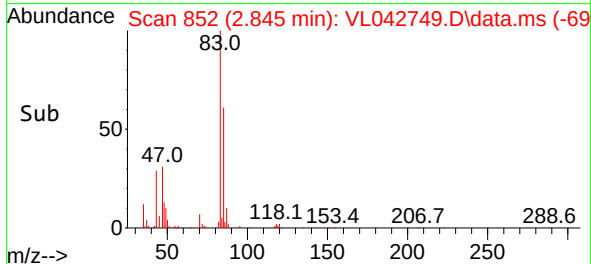
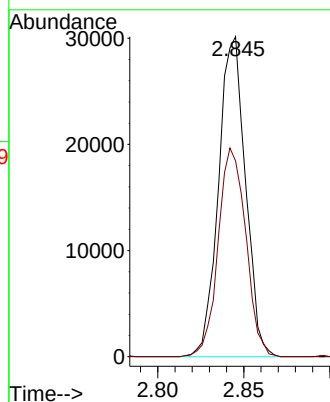
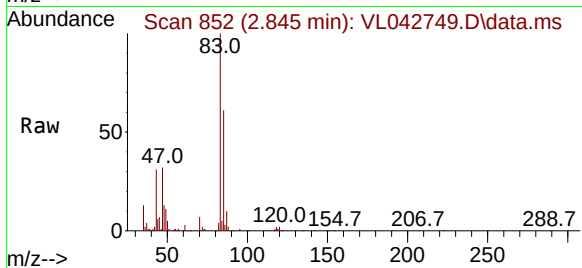
VSTDIC001

Tgt Ion: 83 Resp: 32880

Ion Ratio Lower Upper

83 100

85 61.2 52.2 78.2



#30

Cyclohexane

Concen: 1.003 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. -0.000 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

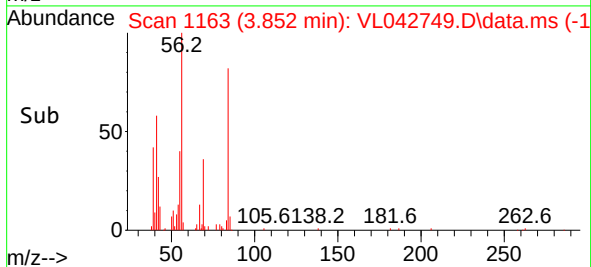
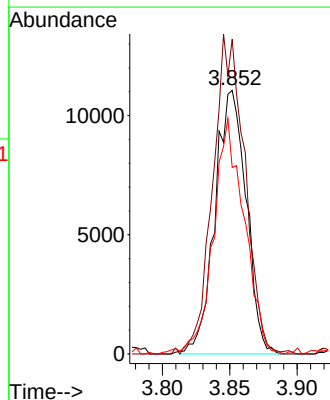
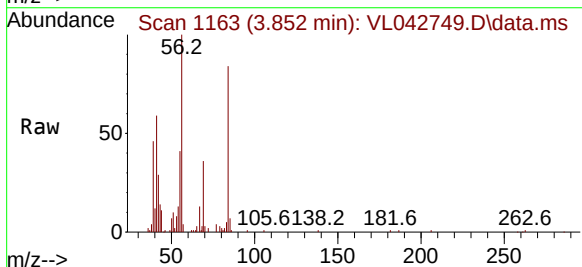
Tgt Ion: 84 Resp: 17824

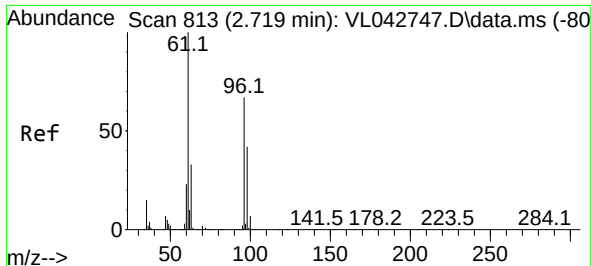
Ion Ratio Lower Upper

84 100

56 124.3 97.5 146.3

41 88.5 67.2 100.8

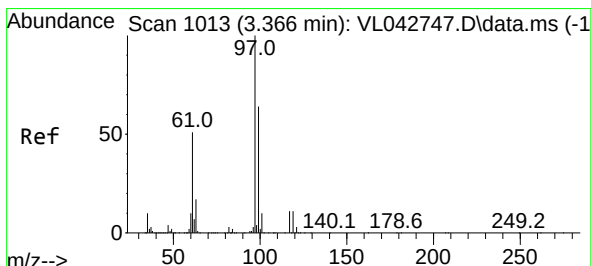
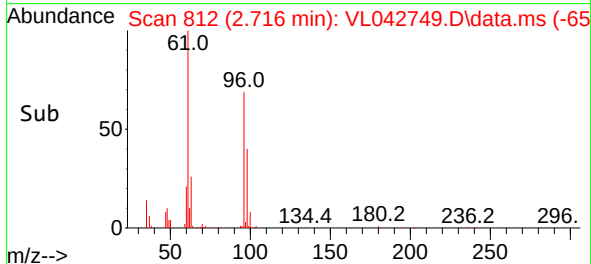
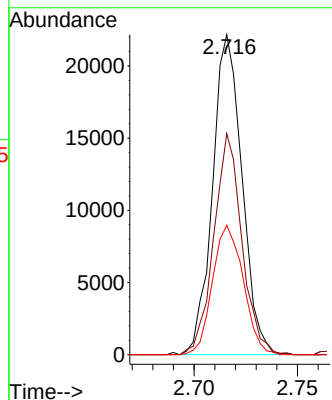
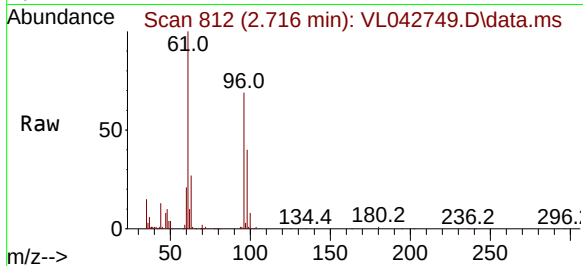




#31
 cis-1,2-Dichloroethene
 Concen: 1.021 ppbv
 RT: 2.716 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VL042749.D
 Acq: 23 Jul 2025 10:08

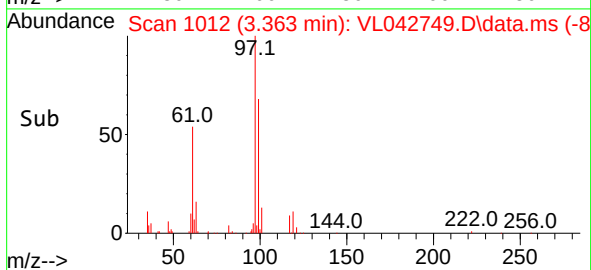
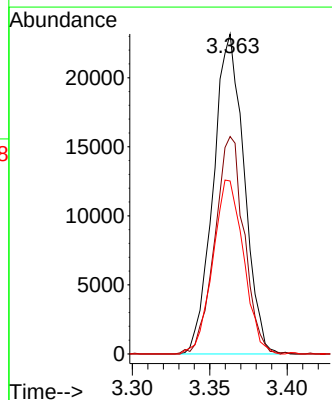
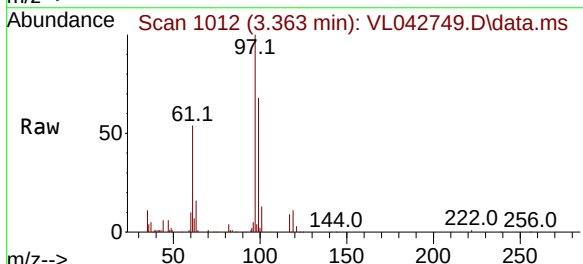
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

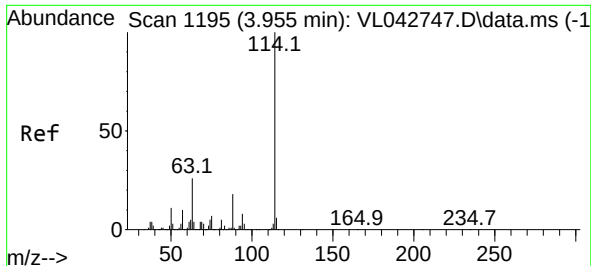
Tgt Ion: 61 Resp: 21979
 Ion Ratio Lower Upper
 61 100
 96 69.0 53.5 80.3
 98 40.5 33.6 50.4



#32
 1,1,1-Trichloroethane
 Concen: 0.949 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.003 min
 Lab File: VL042749.D
 Acq: 23 Jul 2025 10:08

Tgt Ion: 97 Resp: 32003
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.0 76.6
 61 54.5 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.003 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

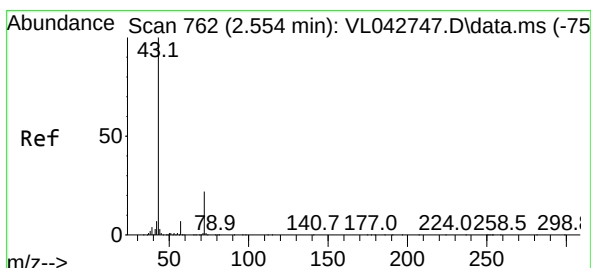
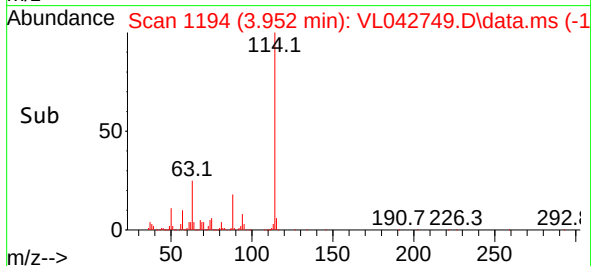
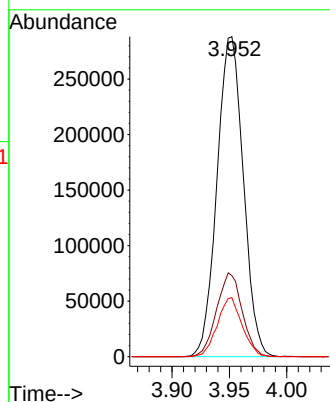
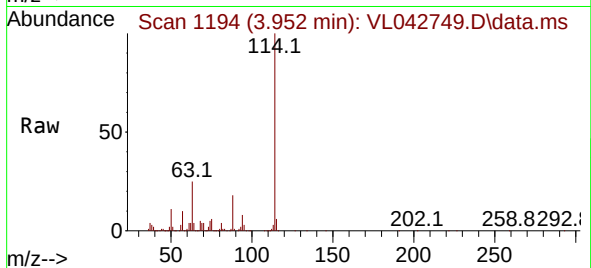
Tgt Ion:114 Resp: 459770

Ion Ratio Lower Upper

114 100

63 25.5 20.5 30.7

88 17.4 14.0 21.0



#34

2-Butanone

Concen: 1.007 ppbv

RT: 2.554 min Scan# 762

Delta R.T. -0.000 min

Lab File: VL042749.D

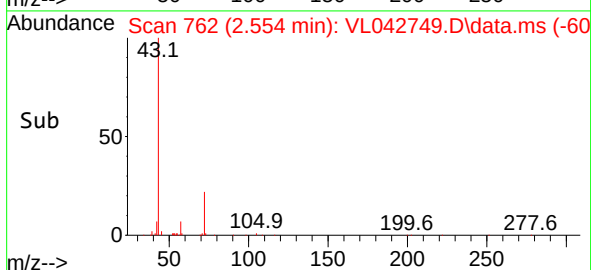
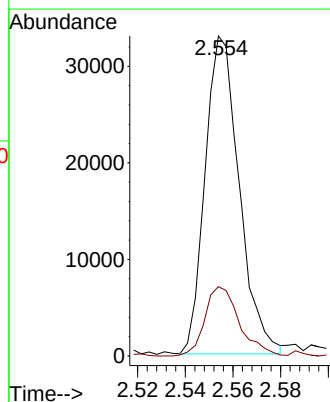
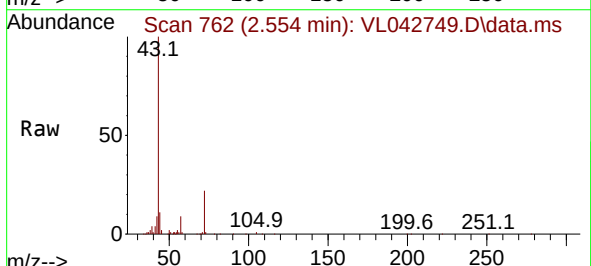
Acq: 23 Jul 2025 10:08

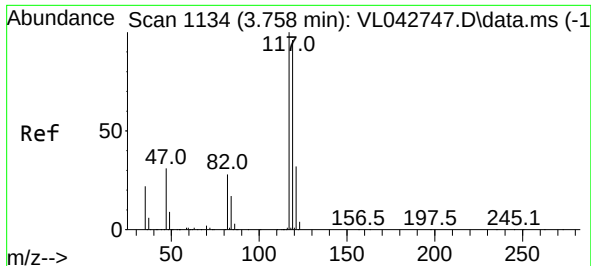
Tgt Ion: 43 Resp: 32783

Ion Ratio Lower Upper

43 100

72 22.7 17.4 26.0

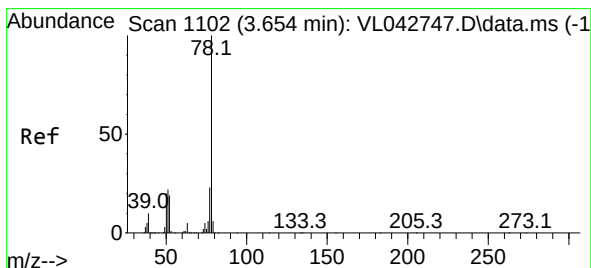
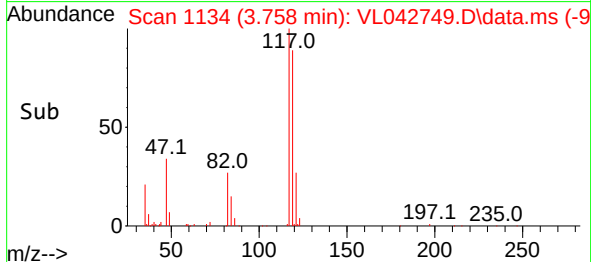
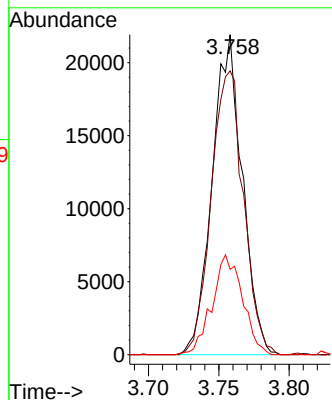
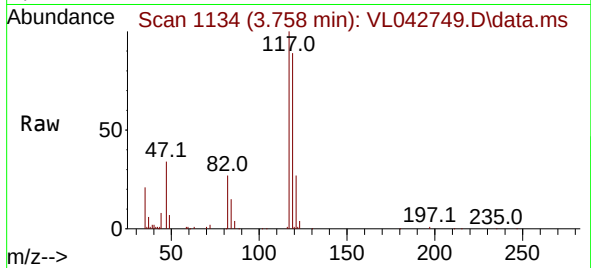




#35
Carbon Tetrachloride
Concen: 0.954 ppbv
RT: 3.758 min Scan# 1134
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

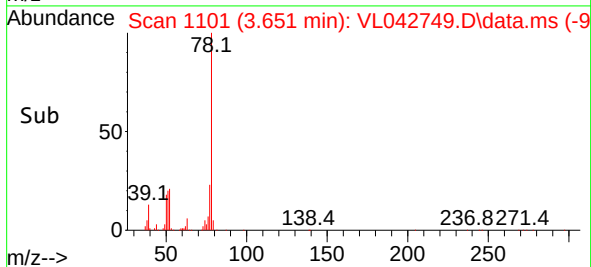
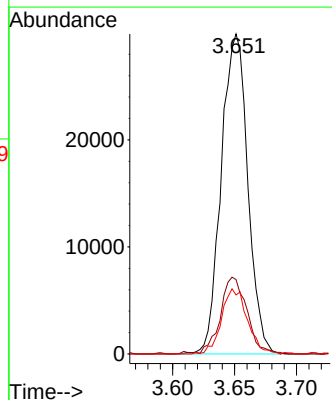
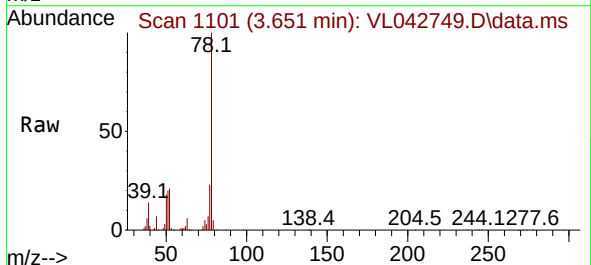
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

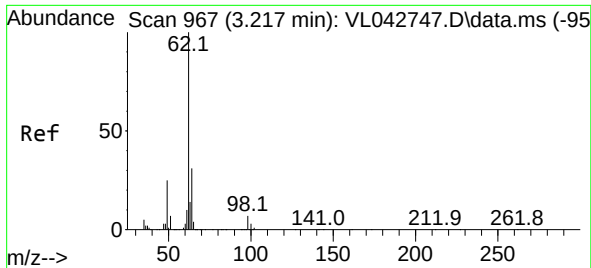
Tgt Ion:117 Resp: 32610
Ion Ratio Lower Upper
117 100
119 88.7 77.1 115.7
121 26.7 25.5 38.3



#36
Benzene
Concen: 1.024 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 78 Resp: 44638
Ion Ratio Lower Upper
78 100
77 23.1 18.5 27.7
50 18.4 16.2 24.2

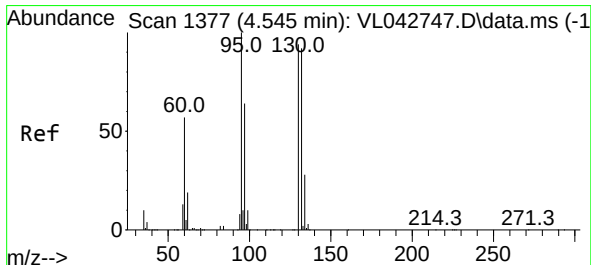
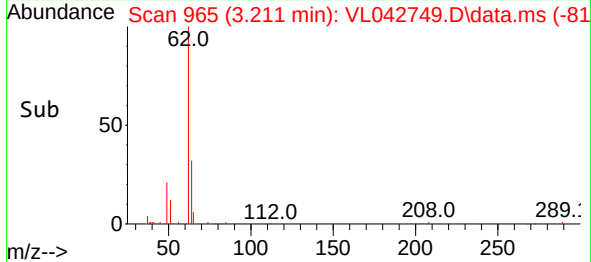
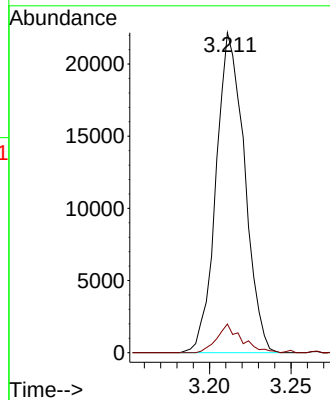
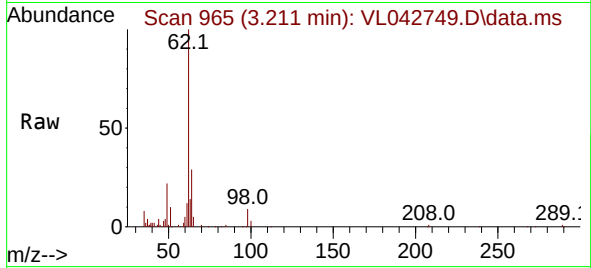




#37
1,2-Dichloroethane
Concen: 1.025 ppbv
RT: 3.211 min Scan# 90
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

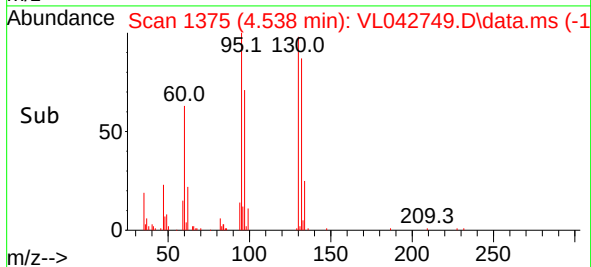
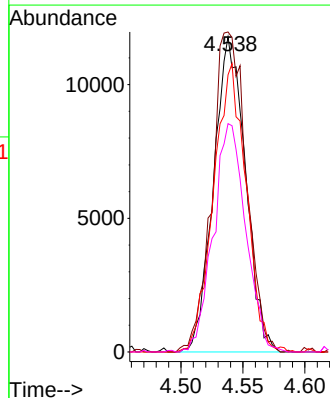
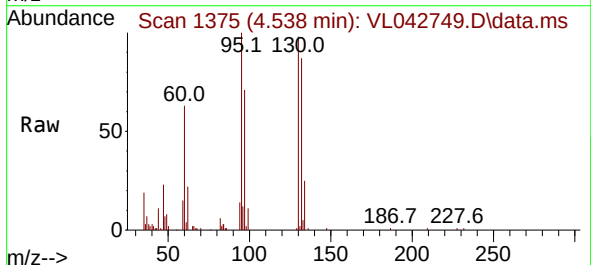
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

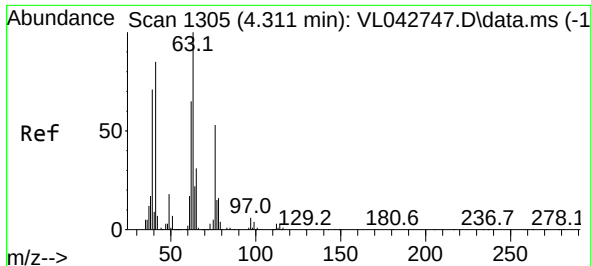
Tgt Ion: 62 Resp: 26909
Ion Ratio Lower Upper
62 100
98 8.0 5.2 7.8#



#38
Trichloroethene
Concen: 1.005 ppbv
RT: 4.538 min Scan# 1375
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:130 Resp: 21122
Ion Ratio Lower Upper
130 100
95 101.6 85.4 128.2
132 87.5 78.2 117.2
97 72.4 54.8 82.2





#39

1,2-Dichloropropane

Concen: 1.033 ppbv

RT: 4.305 min Scan# 1

Delta R.T. -0.007 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

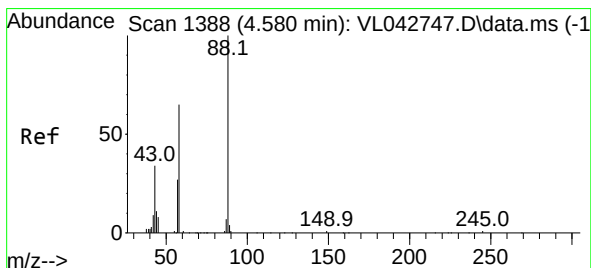
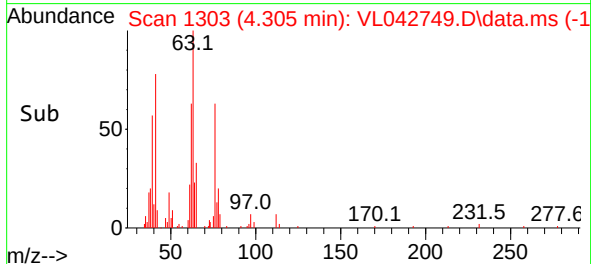
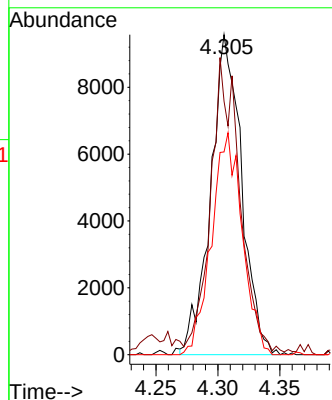
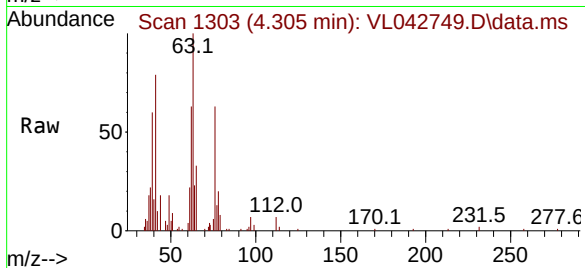
Tgt Ion: 63 Resp: 16622

Ion Ratio Lower Upper

63 100

41 77.8 68.2 102.4

62 63.3 52.0 78.0



#40

1,4-Dioxane

Concen: 0.552 ppbv

RT: 4.587 min Scan# 1390

Delta R.T. 0.006 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Tgt Ion: 88 Resp: 4184

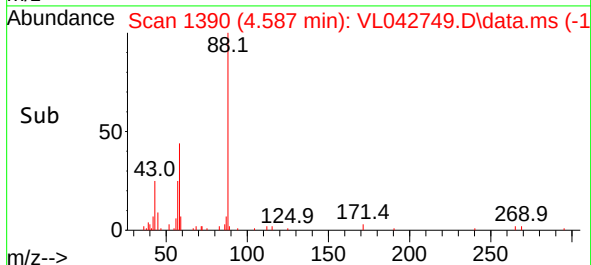
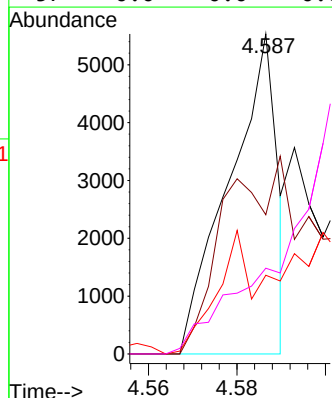
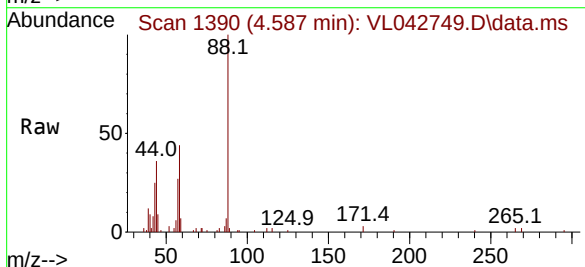
Ion Ratio Lower Upper

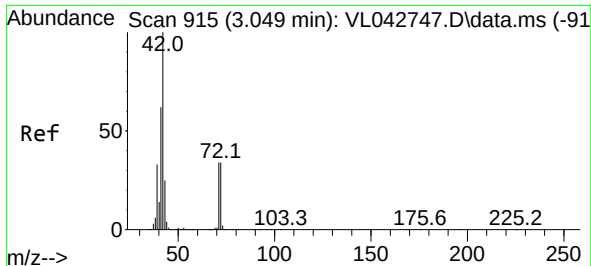
88 100

58 0.0 58.8 88.2#

43 0.0 28.9 43.3#

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.984 ppbv

RT: 3.056 min Scan# 915

Delta R.T. 0.006 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

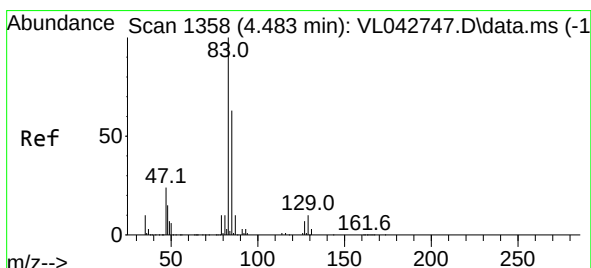
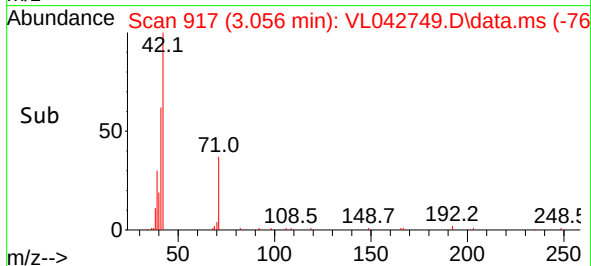
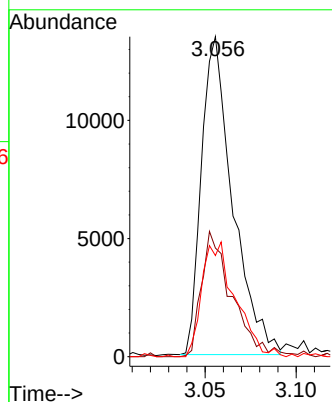
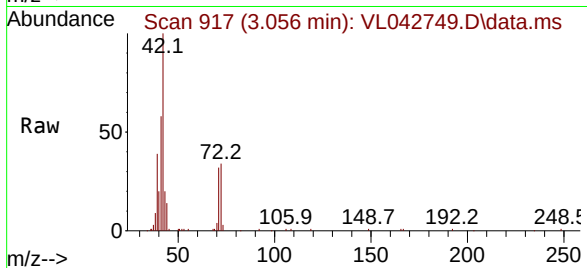
Tgt Ion: 42 Resp: 16097

Ion Ratio Lower Upper

42 100

72 39.1 30.9 46.3

71 38.6 28.6 43.0



#42

Bromodichloromethane

Concen: 0.388 ppbv

RT: 4.486 min Scan# 1359

Delta R.T. 0.003 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

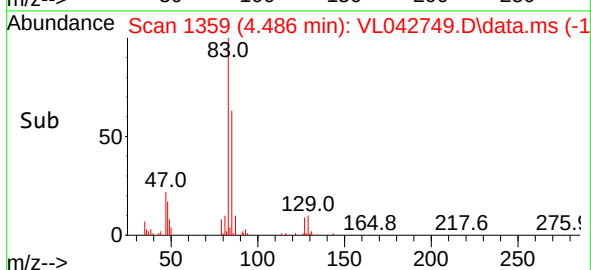
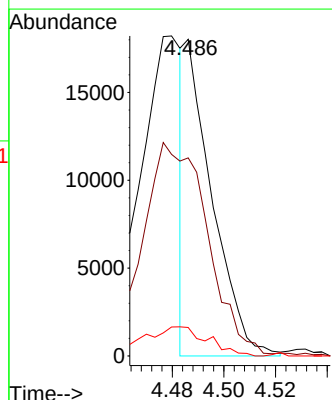
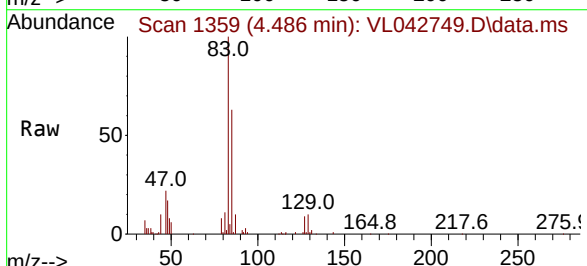
Tgt Ion: 83 Resp: 13285

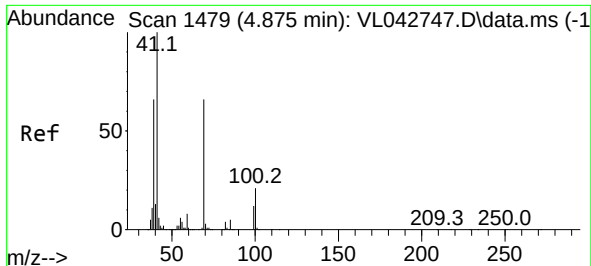
Ion Ratio Lower Upper

83 100

85 62.4 50.2 75.4

127 8.0 5.4 8.2

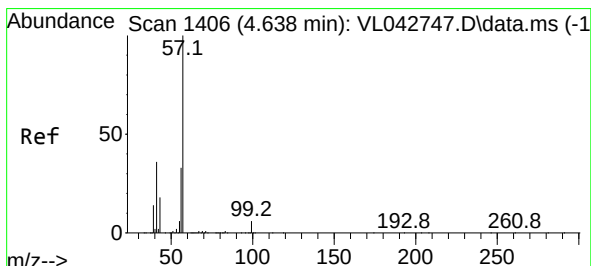
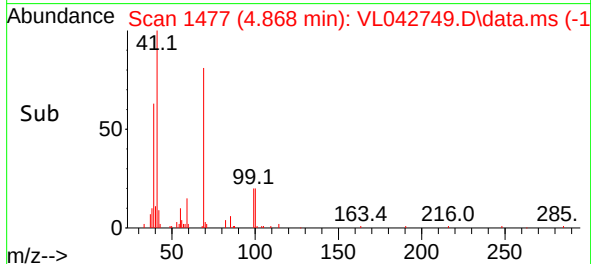
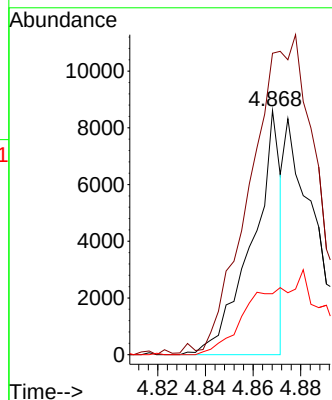
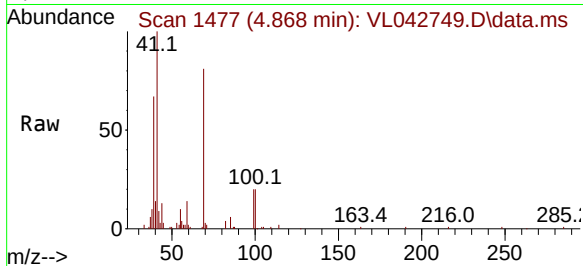




#43
Methyl Methacrylate
Concen: 0.461 ppbv
RT: 4.868 min Scan# 1477
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

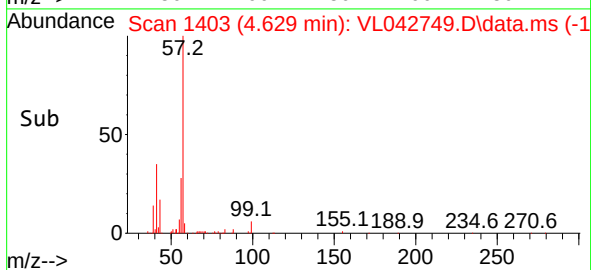
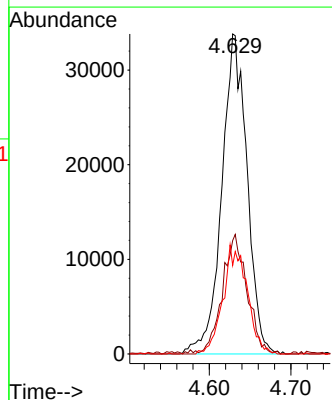
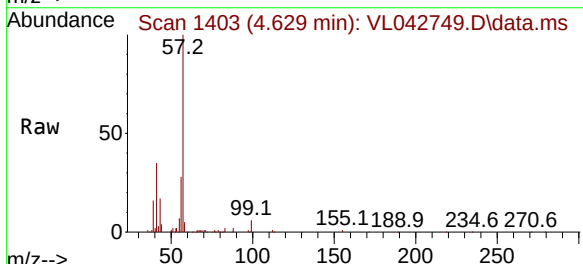
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

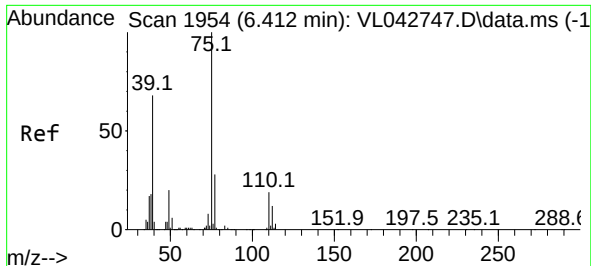
Tgt Ion: 69 Resp: 7135
Ion Ratio Lower Upper
69 100
41 0.0 125.7 188.5#
100 0.0 28.6 42.8#



#44
2,2,4-Trimethylpentane
Concen: 1.026 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. -0.010 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 57 Resp: 72865
Ion Ratio Lower Upper
57 100
41 36.4 28.3 42.5
56 32.5 25.8 38.6

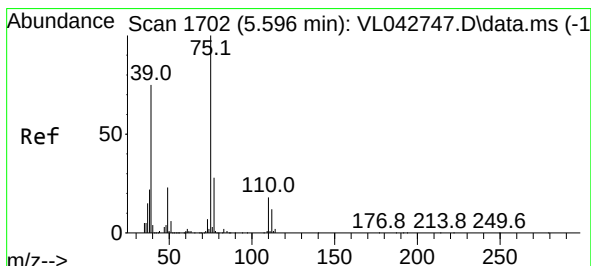
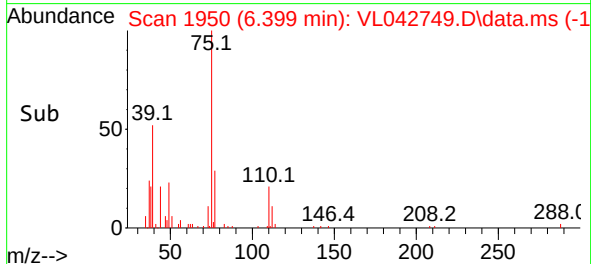
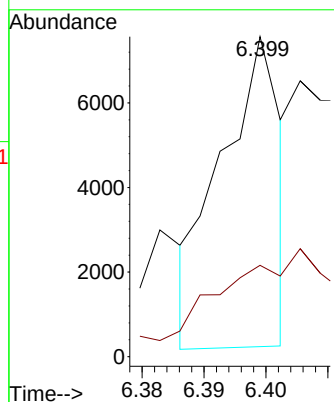
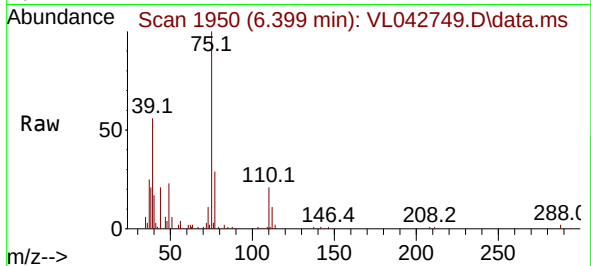




#45
t-1,3-Dichloropropene
Concen: 0.284 ppbv
RT: 6.399 min Scan# 1950
Delta R.T. -0.013 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

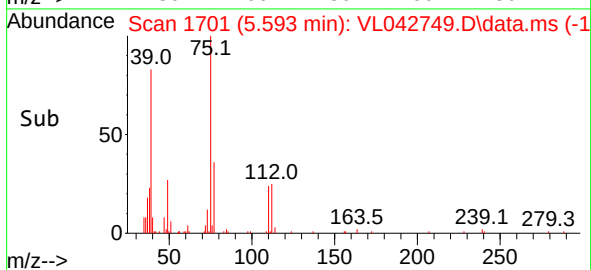
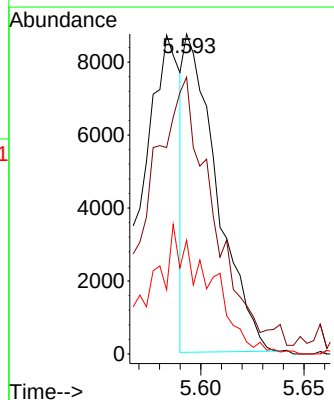
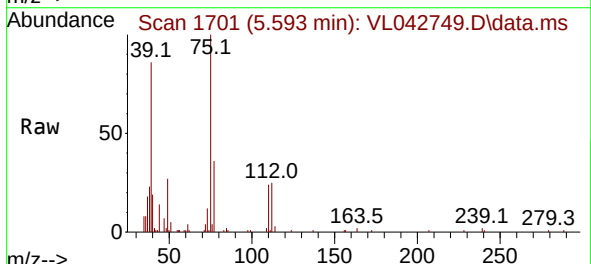
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

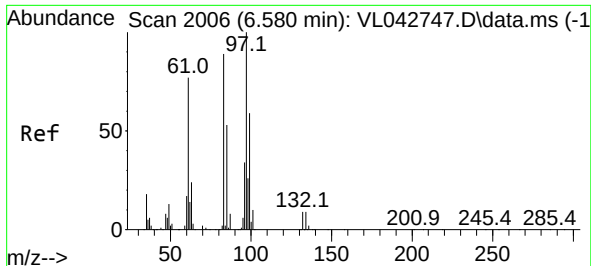
Tgt Ion: 75 Resp: 4937
Ion Ratio Lower Upper
75 100
77 28.5 22.4 33.6



#46
cis-1,3-Dichloropropene
Concen: 0.439 ppbv
RT: 5.593 min Scan# 1701
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 75 Resp: 9670
Ion Ratio Lower Upper
75 100
39 78.0 60.2 90.2
77 35.3 22.6 34.0#





#47

1,1,2-Trichloroethane

Concen: 1.029 ppbv

RT: 6.574 min Scan# 2004

Delta R.T. -0.007 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 17646

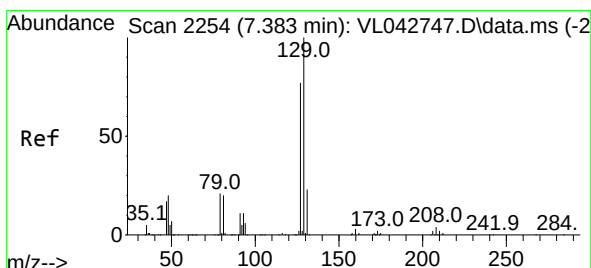
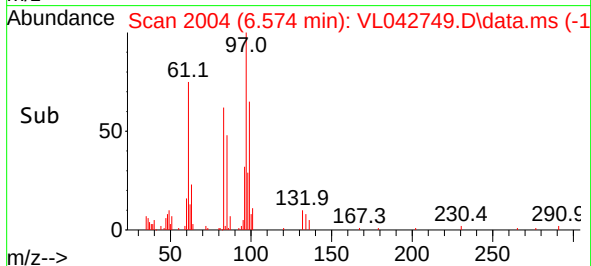
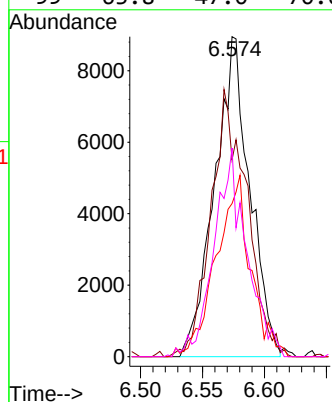
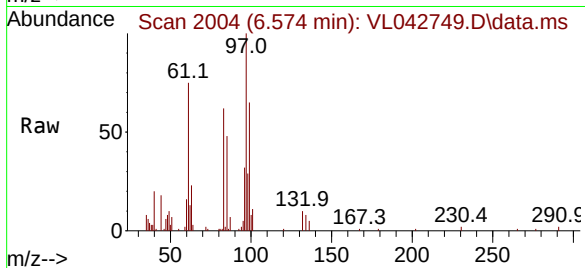
Ion Ratio Lower Upper

97 100

83 60.2 71.1 106.7#

85 46.8 43.0 64.4

99 63.8 47.0 70.6



#48

Dibromochloromethane

Concen: 0.965 ppbv

RT: 7.380 min Scan# 2253

Delta R.T. -0.003 min

Lab File: VL042749.D

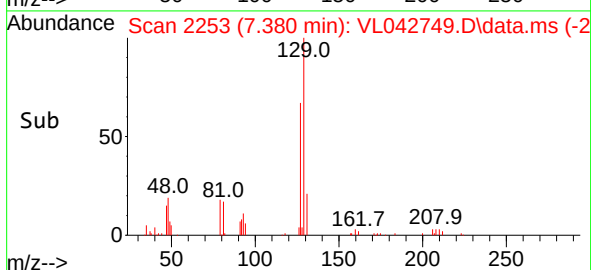
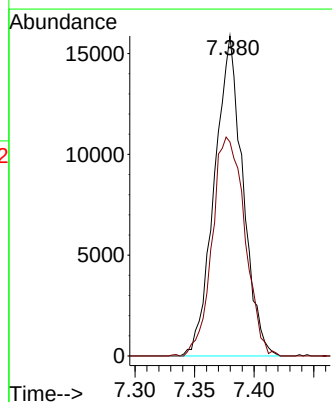
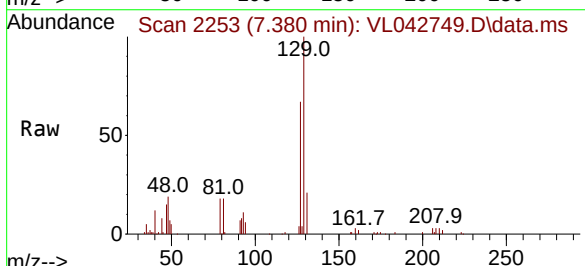
Acq: 23 Jul 2025 10:08

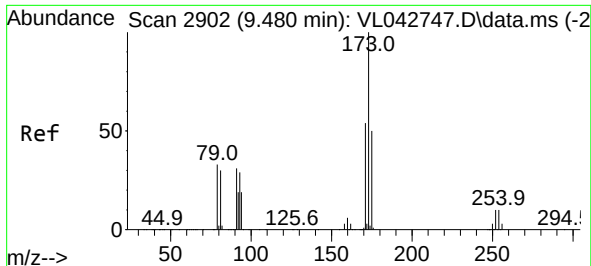
Tgt Ion: 129 Resp: 26259

Ion Ratio Lower Upper

129 100

127 78.7 38.7 116.1

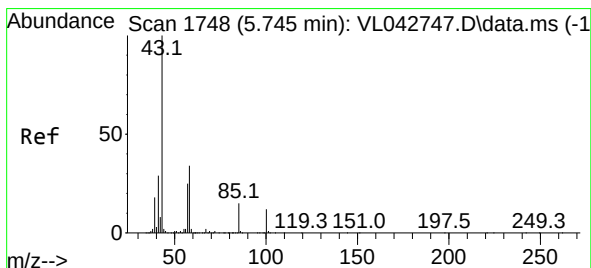
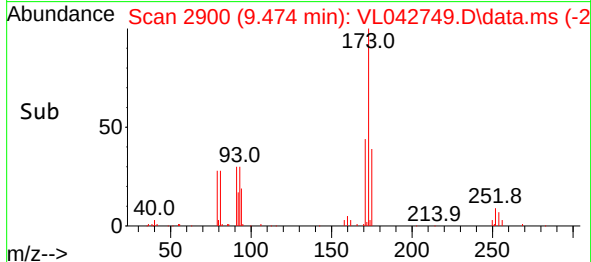
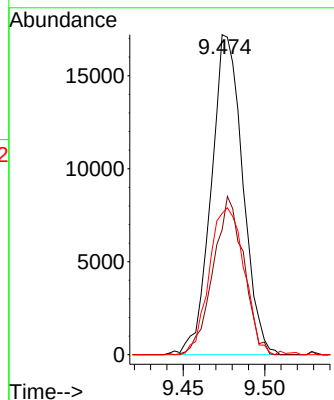
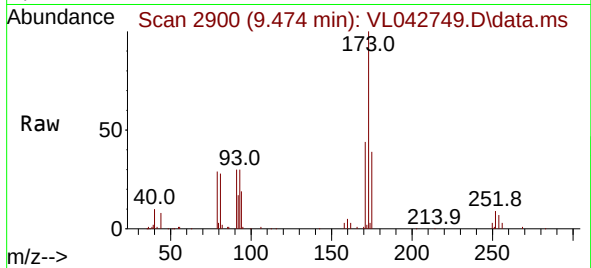




#49
Bromoform
Concen: 0.973 ppbv
RT: 9.474 min Scan# 2900
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

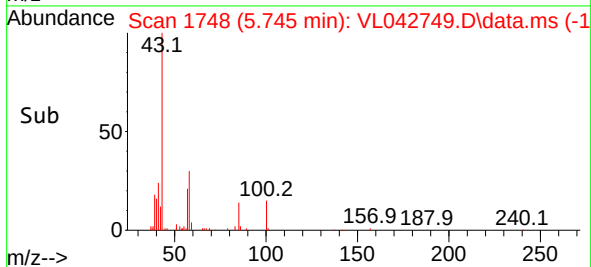
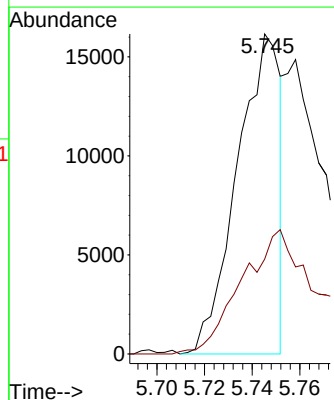
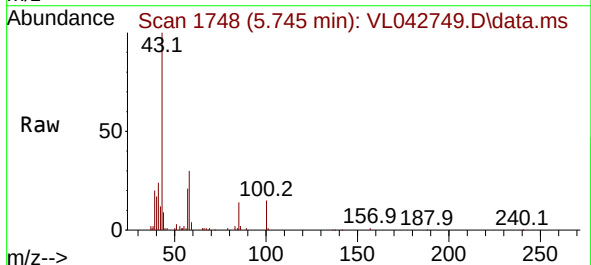
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

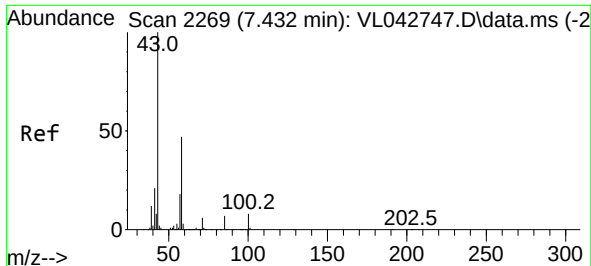
Tgt Ion:173 Resp: 23083
Ion Ratio Lower Upper
173 100
175 48.0 38.4 57.6
171 51.3 40.9 61.3



#50
4-Methyl-2-Pentanone
Concen: 0.488 ppbv
RT: 5.745 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 43 Resp: 20247
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#

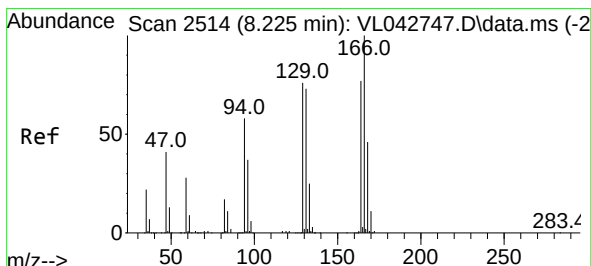
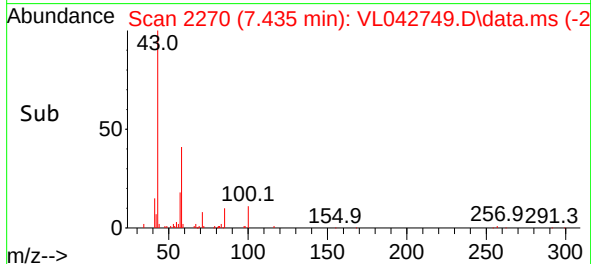
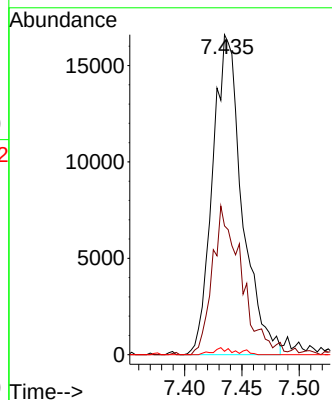
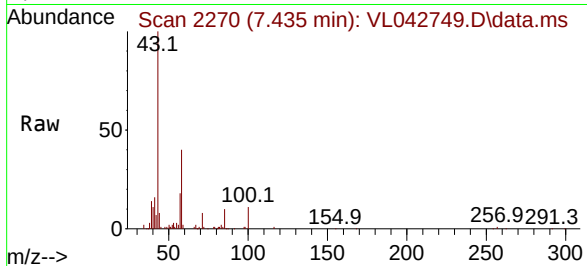




#51
2-Hexanone
Concen: 0.939 ppbv
RT: 7.435 min Scan# 2111
Delta R.T. 0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

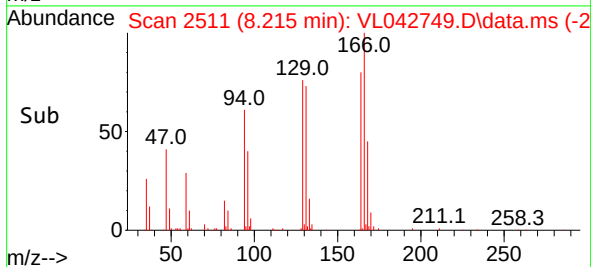
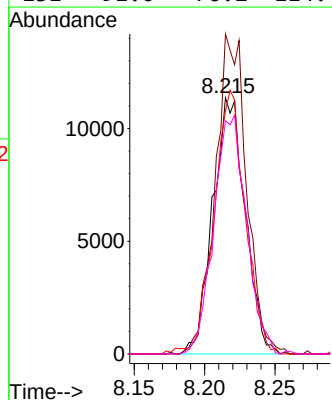
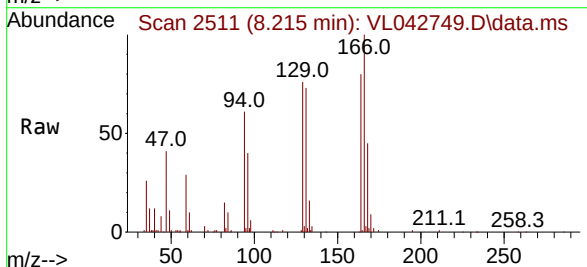
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

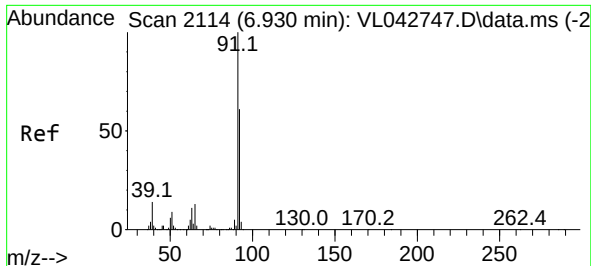
Tgt Ion: 43 Resp: 29761
Ion Ratio Lower Upper
43 100
58 47.5 38.0 57.0
98 1.6 0.2 0.4#



#52
Tetrachloroethene
Concen: 1.001 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. -0.010 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 164 Resp: 18131
Ion Ratio Lower Upper
164 100
166 124.9 104.0 156.0
129 94.8 79.2 118.8
131 91.0 76.2 114.4

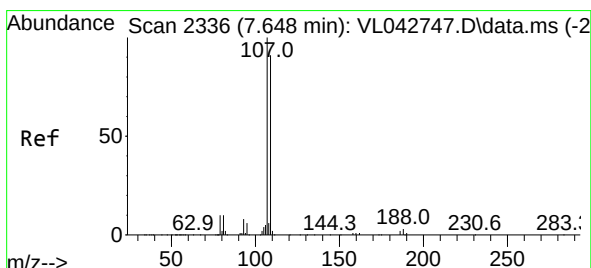
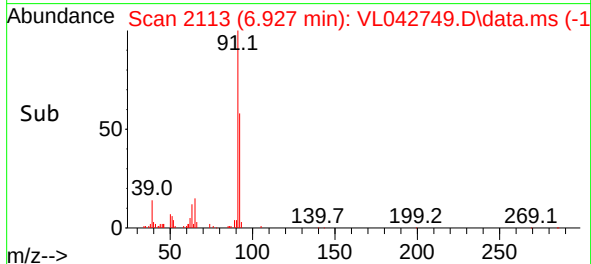
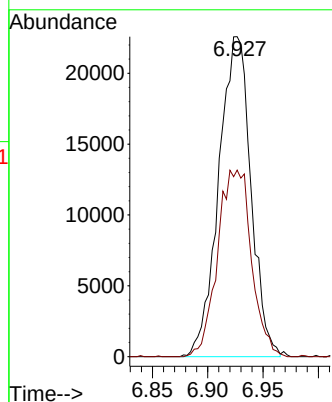
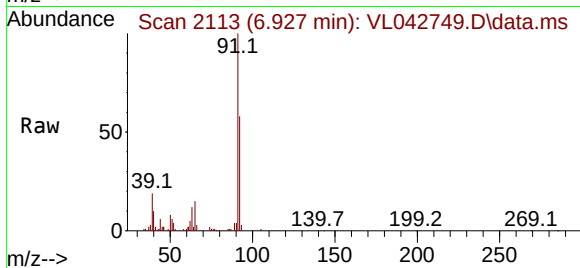




#53
Toluene
Concen: 0.976 ppbv
RT: 6.927 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

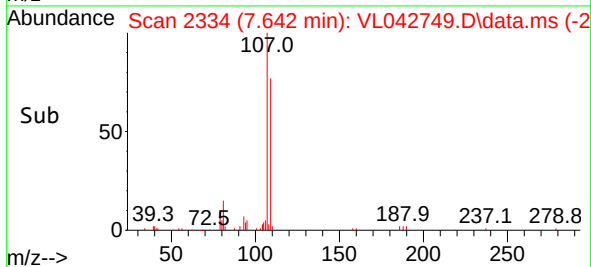
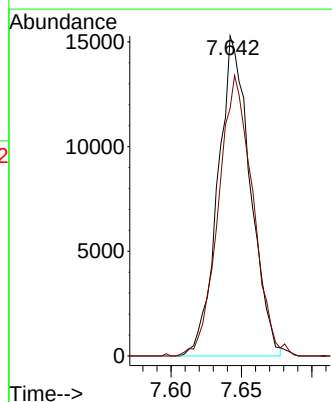
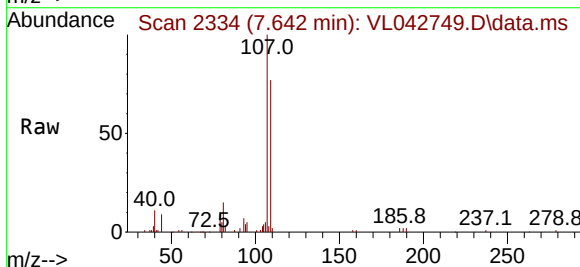
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

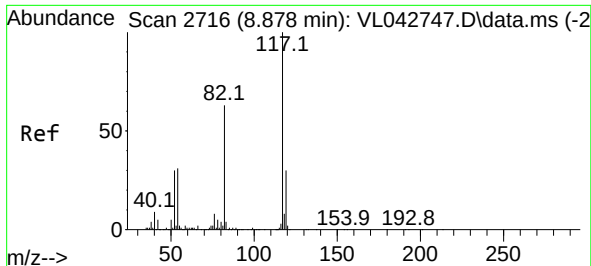
Tgt Ion: 91 Resp: 45645
Ion Ratio Lower Upper
91 100
92 61.5 48.0 72.0



#54
1,2-Dibromoethane
Concen: 1.007 ppbv
RT: 7.642 min Scan# 2334
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 107 Resp: 24427
Ion Ratio Lower Upper
107 100
109 76.9 72.7 109.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.875 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

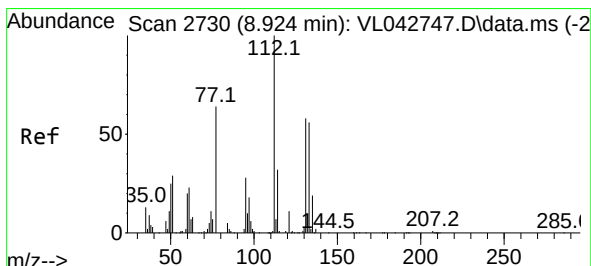
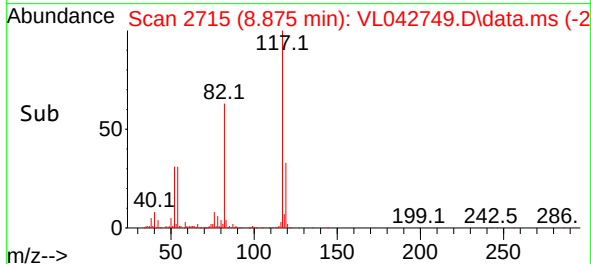
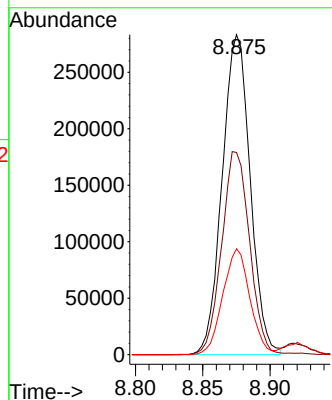
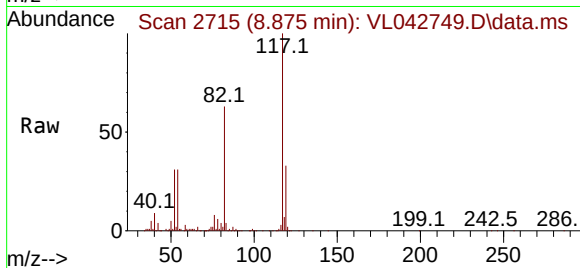
Tgt Ion:117 Resp: 410018

Ion Ratio Lower Upper

117 100

82 63.5 53.3 79.9

119 32.0 25.8 38.6



#56

1,1,1,2-Tetrachloroethane

Concen: 1.000 ppbv

RT: 8.920 min Scan# 2729

Delta R.T. -0.003 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

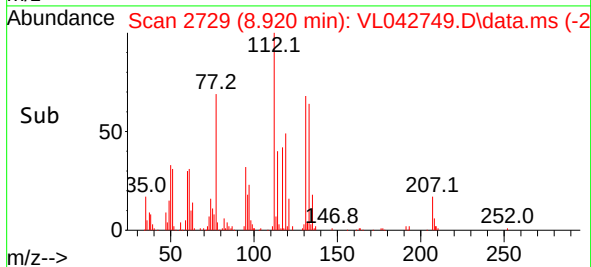
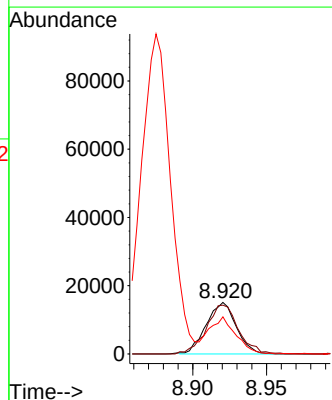
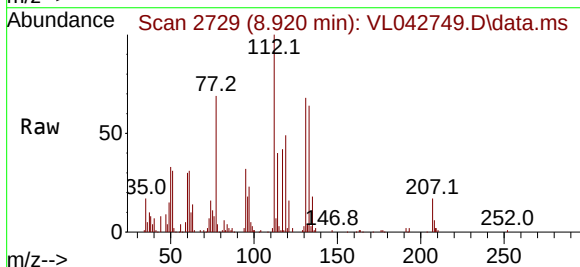
Tgt Ion:131 Resp: 21319

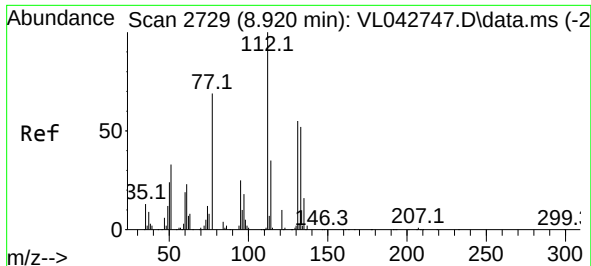
Ion Ratio Lower Upper

131 100

133 102.0 76.8 115.2

119 58.6 49.7 74.5





#57

Chlorobenzene

Concen: 1.053 ppbv

RT: 8.911 min Scan# 21

Delta R.T. -0.010 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC001

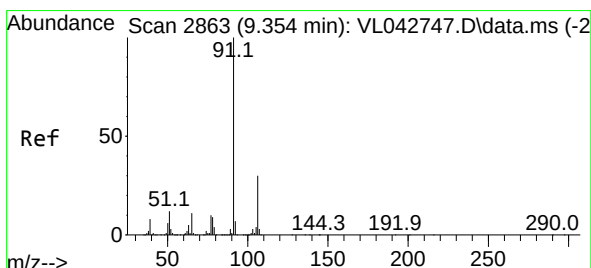
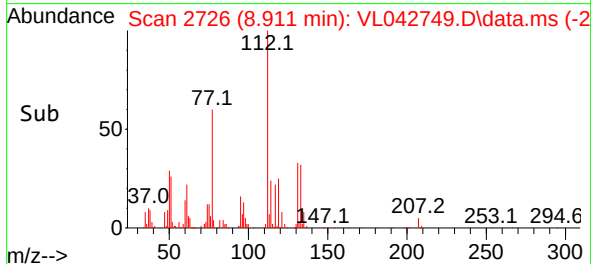
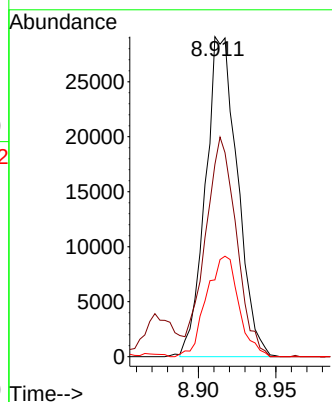
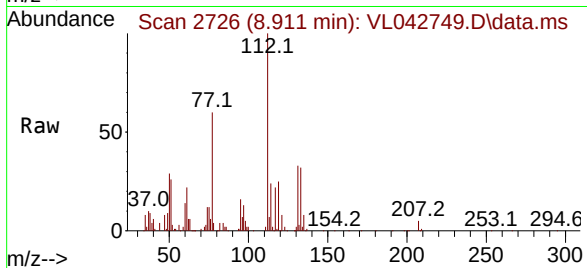
Tgt Ion:112 Resp: 41788

Ion Ratio Lower Upper

112 100

77 60.1 56.4 84.6

114 24.0 31.2 38.2#



#58

Ethyl Benzene

Concen: 0.980 ppbv

RT: 9.351 min Scan# 2862

Delta R.T. -0.003 min

Lab File: VL042749.D

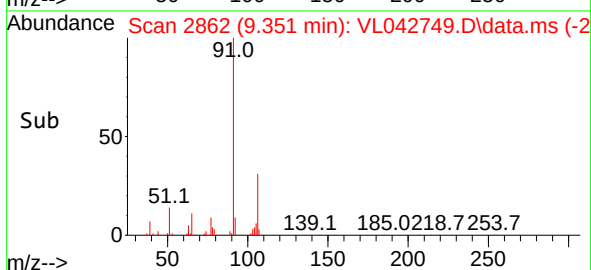
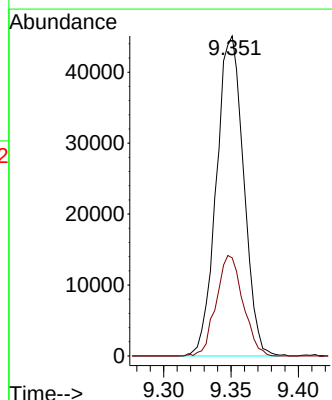
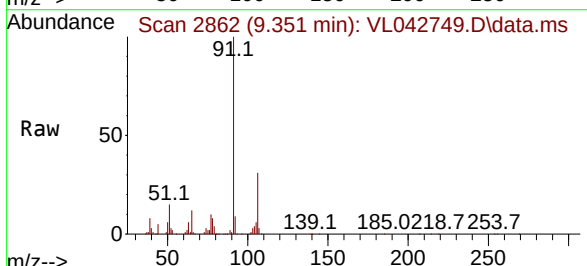
Acq: 23 Jul 2025 10:08

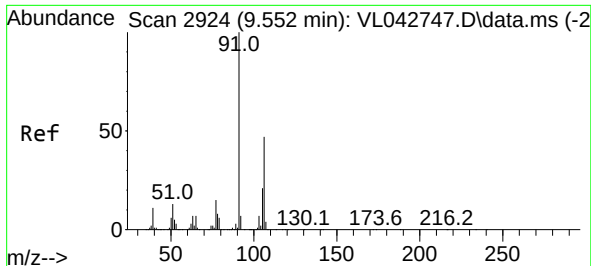
Tgt Ion: 91 Resp: 63467

Ion Ratio Lower Upper

91 100

106 30.6 23.8 35.6





#59

m/p-Xylene

Concen: 0.849 ppbv

RT: 9.545 min Scan# 2924

Delta R.T. -0.007 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_1

ClientSampleId :

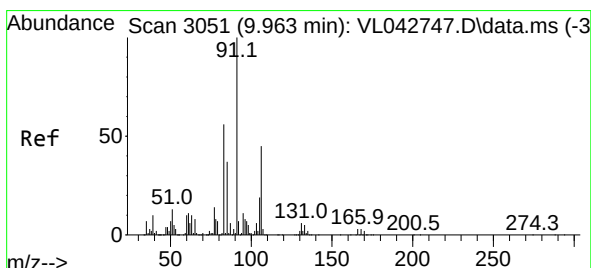
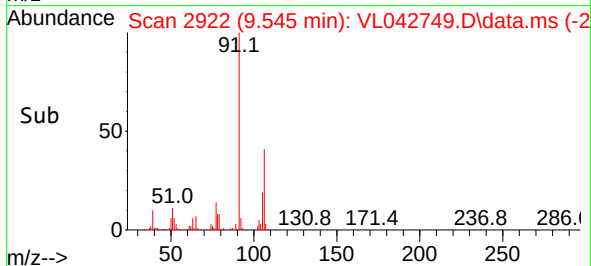
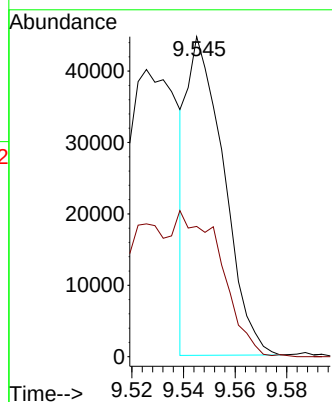
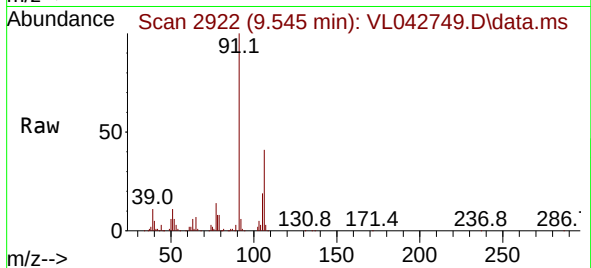
VSTDIC001

Tgt Ion: 91 Resp: 43966

Ion Ratio Lower Upper

91 100

106 111.6 37.4 56.2#



#60

o-Xylene

Concen: 1.015 ppbv

RT: 9.959 min Scan# 3050

Delta R.T. -0.003 min

Lab File: VL042749.D

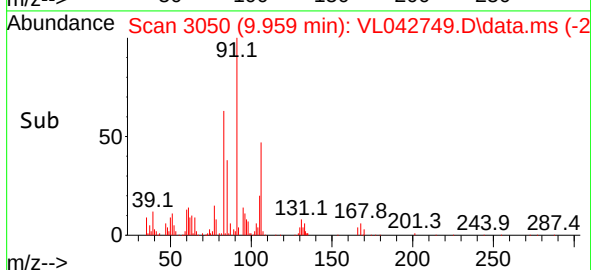
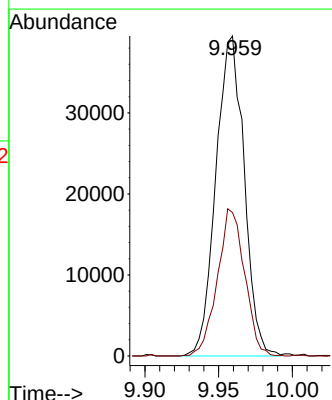
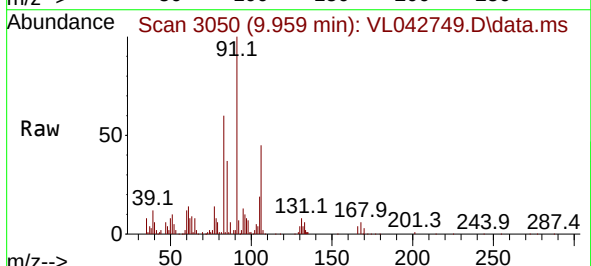
Acq: 23 Jul 2025 10:08

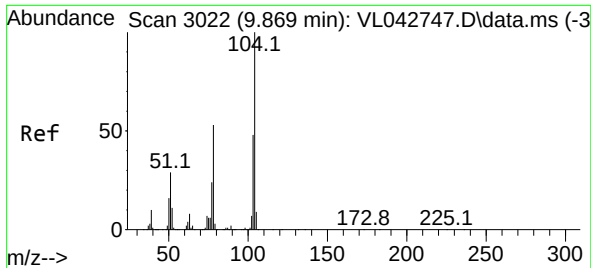
Tgt Ion: 91 Resp: 52499

Ion Ratio Lower Upper

91 100

106 44.6 22.0 66.0





#61

Styrene

Concen: 0.934 ppbv

RT: 9.865 min Scan# 3022

Delta R.T. -0.003 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

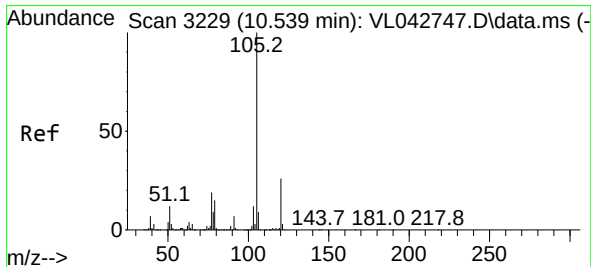
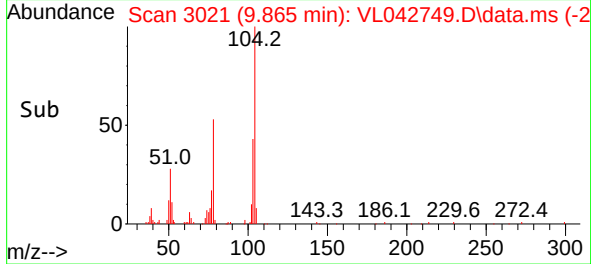
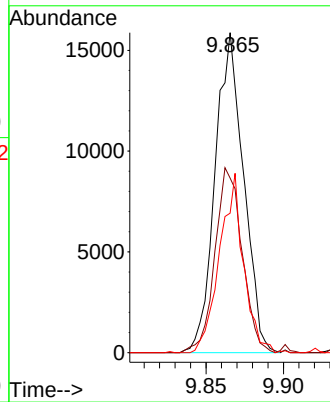
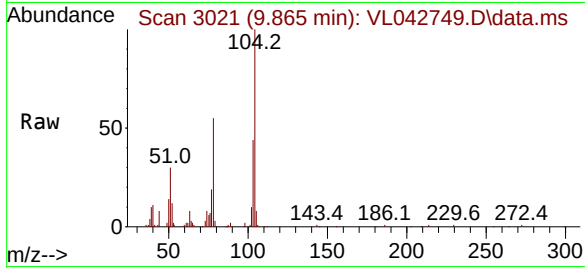
Tgt Ion:104 Resp: 20313

Ion Ratio Lower Upper

104 100

78 55.7 41.5 62.3

103 47.2 37.5 56.3



#62

Isopropylbenzene

Concen: 1.013 ppbv

RT: 10.532 min Scan# 3227

Delta R.T. -0.007 min

Lab File: VL042749.D

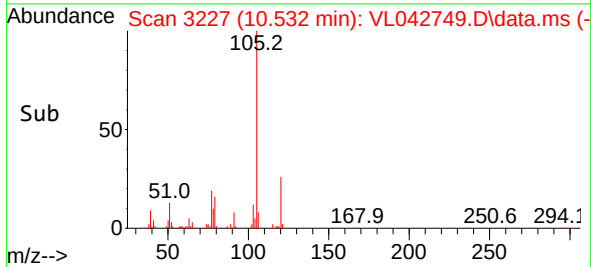
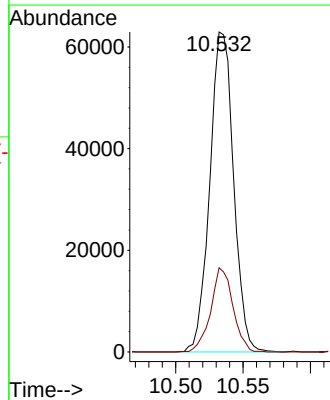
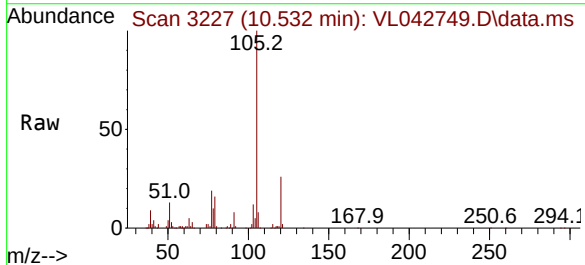
Acq: 23 Jul 2025 10:08

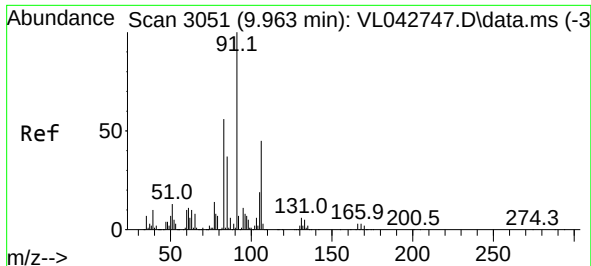
Tgt Ion:105 Resp: 77278

Ion Ratio Lower Upper

105 100

120 24.6 20.5 30.7

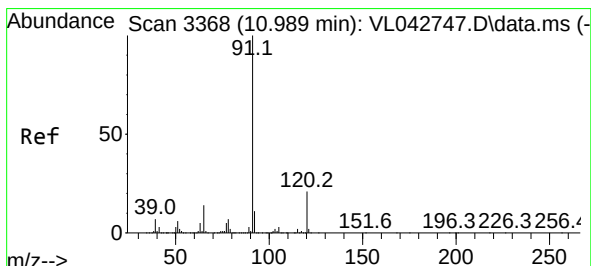
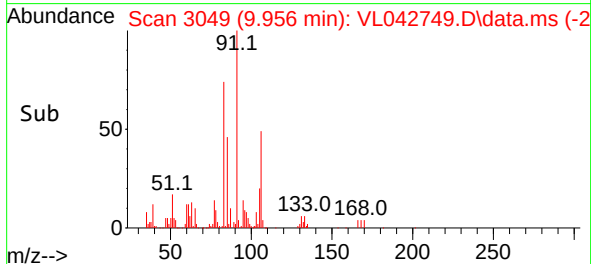
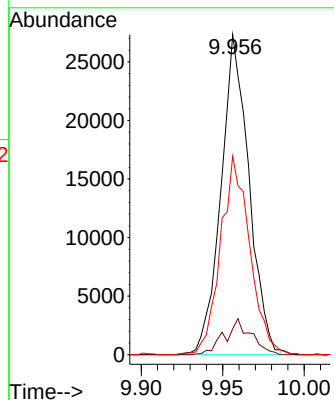
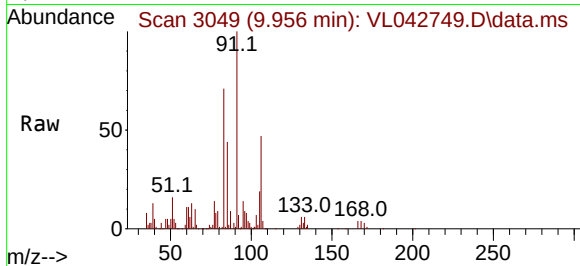




#63
1,1,2,2-Tetrachloroethane
Concen: 0.967 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

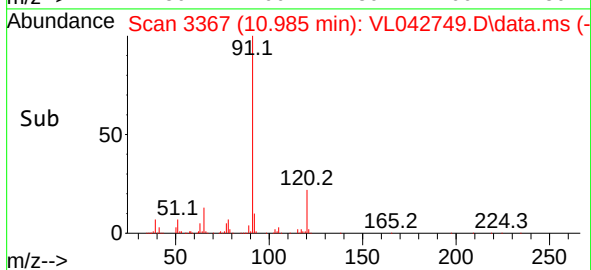
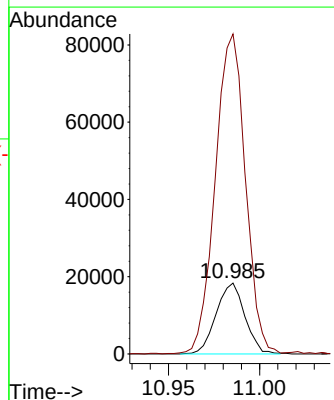
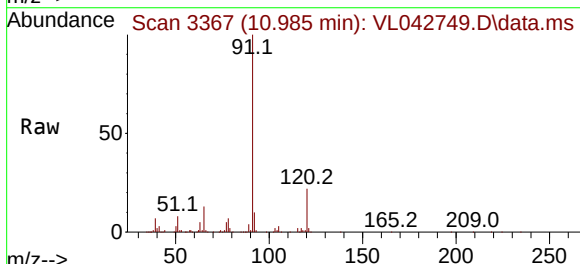
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

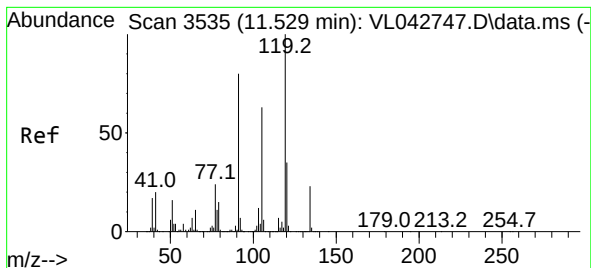
Tgt Ion: 83 Resp: 32591
Ion Ratio Lower Upper
83 100
131 10.6 5.0 15.0
85 65.1 32.6 97.7



#64
n-propylbenzene
Concen: 1.009 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion: 120 Resp: 20073
Ion Ratio Lower Upper
120 100
91 478.1 372.7 559.1





#65

tert-Butylbenzene

Concen: 1.010 ppbv

RT: 11.526 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

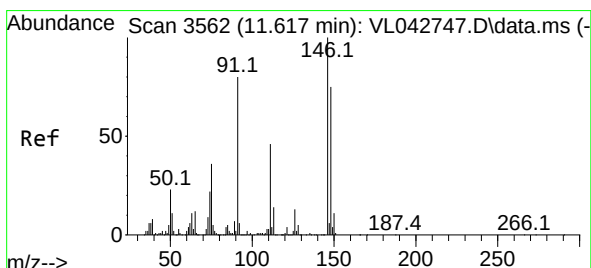
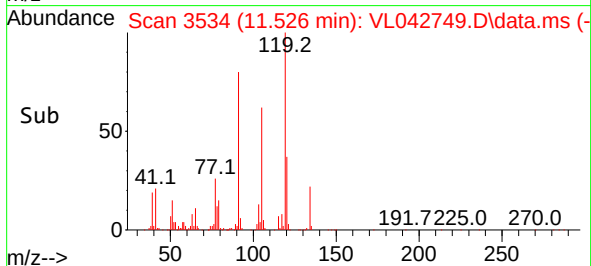
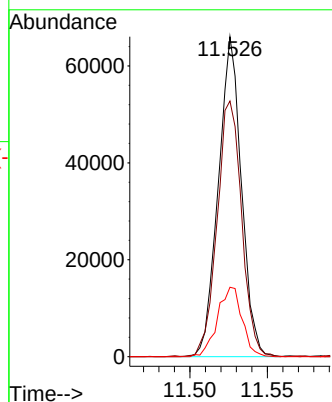
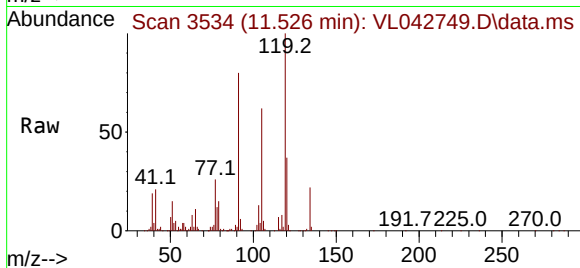
Tgt Ion:119 Resp: 68428

Ion Ratio Lower Upper

119 100

91 85.1 64.0 96.0

134 23.1 17.3 25.9



#66

Benzyl Chloride

Concen: 0.845 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. -0.007 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

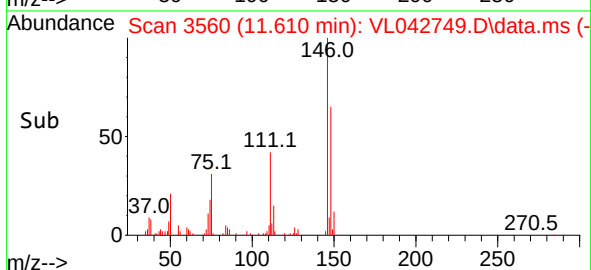
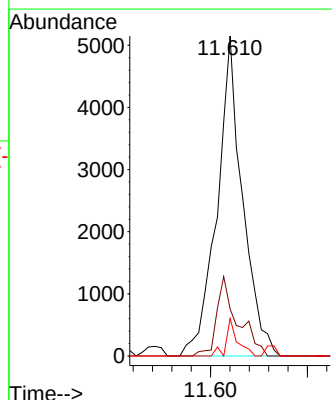
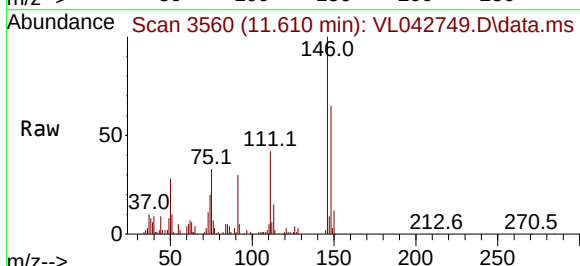
Tgt Ion: 91 Resp: 4700

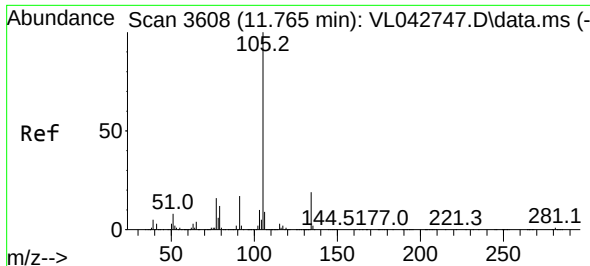
Ion Ratio Lower Upper

91 100

126 20.3 14.4 21.6

128 6.5 5.2 7.8

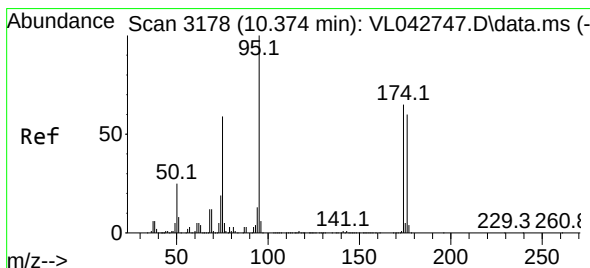
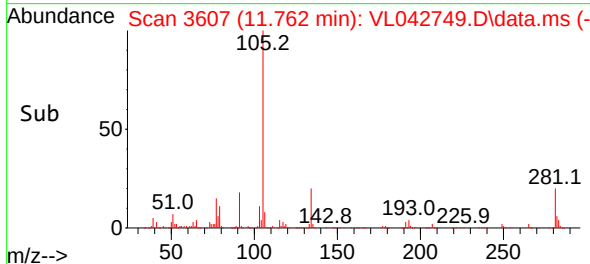
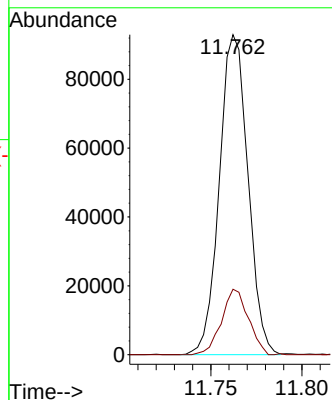
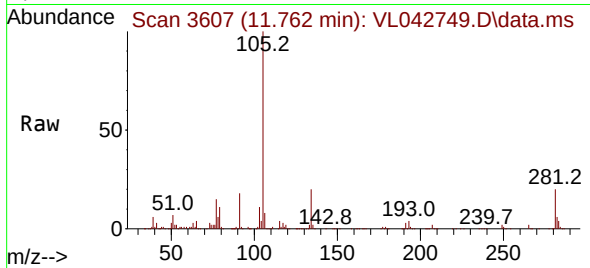




#67
 sec-Butylbenzene
 Concen: 1.053 ppbv
 RT: 11.762 min Scan# 3177
 Delta R.T. -0.003 min
 Lab File: VL042749.D
 Acq: 23 Jul 2025 10:08

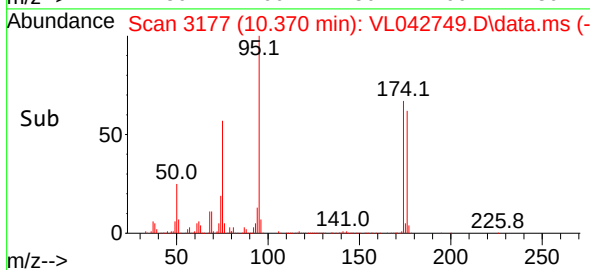
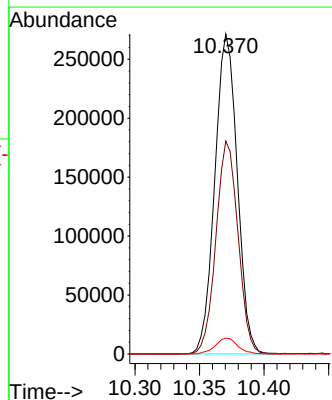
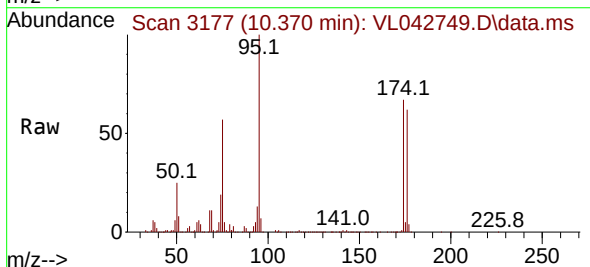
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

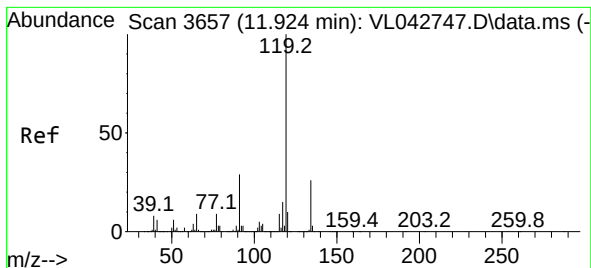
Tgt Ion:105 Resp: 101458
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.091 ppbv
 RT: 10.370 min Scan# 3177
 Delta R.T. -0.003 min
 Lab File: VL042749.D
 Acq: 23 Jul 2025 10:08

Tgt Ion: 95 Resp: 327673
 Ion Ratio Lower Upper
 95 100
 174 65.4 53.8 80.6
 175 5.0 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.995 ppbv

RT: 11.921 min Scan# 3656

Delta R.T. -0.003 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

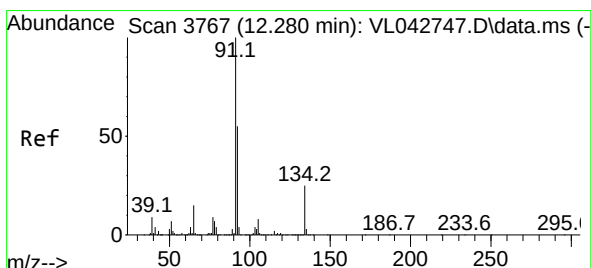
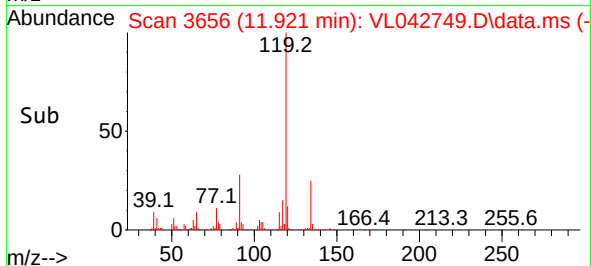
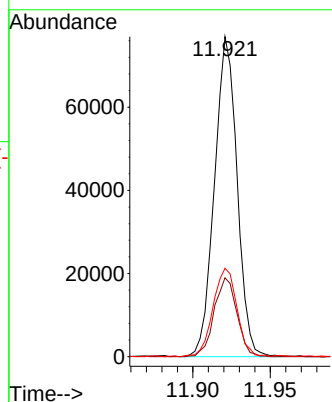
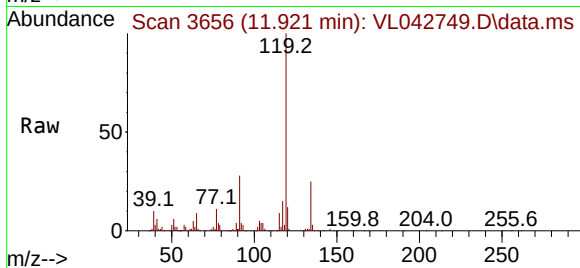
Tgt Ion:119 Resp: 78186

Ion Ratio Lower Upper

119 100

134 24.8 20.6 31.0

91 29.8 23.2 34.8



#70

n-Butylbenzene

Concen: 0.978 ppbv

RT: 12.277 min Scan# 3766

Delta R.T. -0.003 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

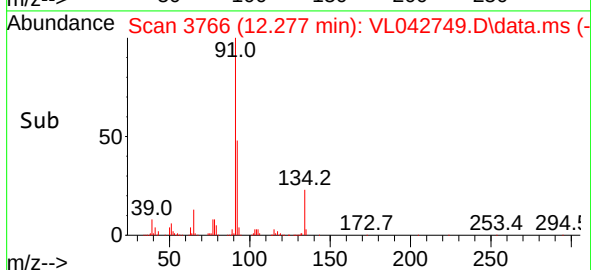
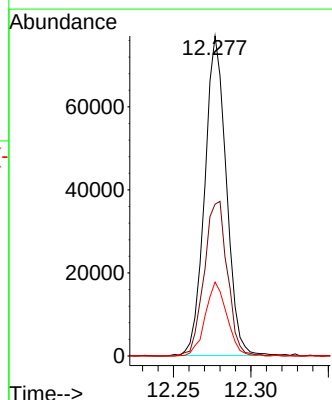
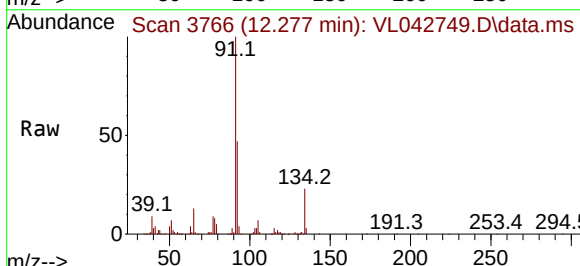
Tgt Ion: 91 Resp: 74257

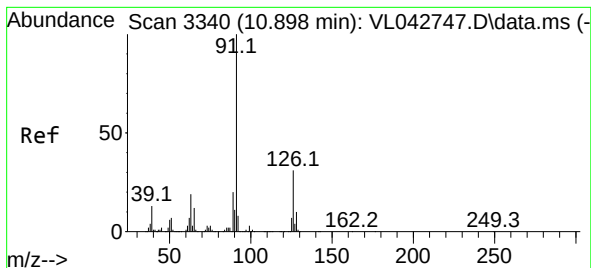
Ion Ratio Lower Upper

91 100

92 52.4 43.4 65.2

134 23.4 19.6 29.4

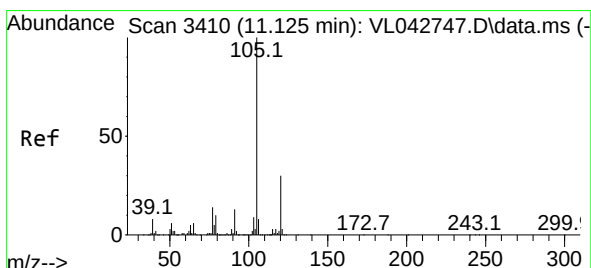
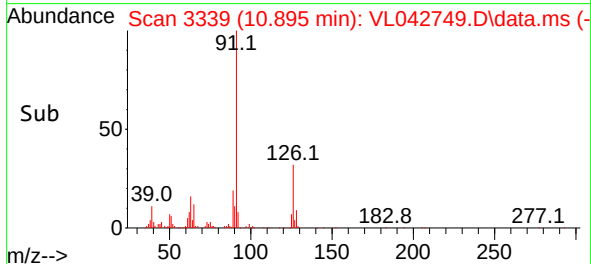
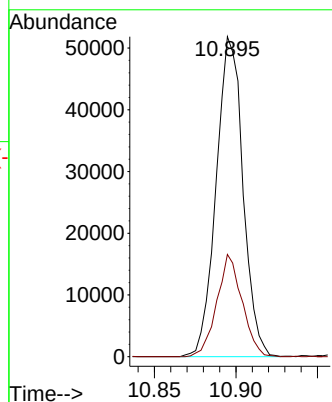
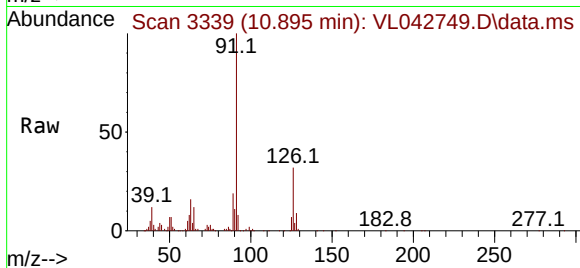




#71
2-Chlorotoluene
Concen: 1.012 ppbv
RT: 10.895 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

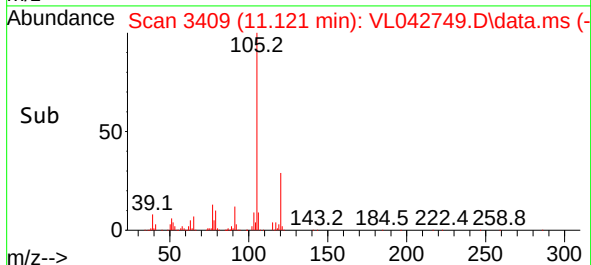
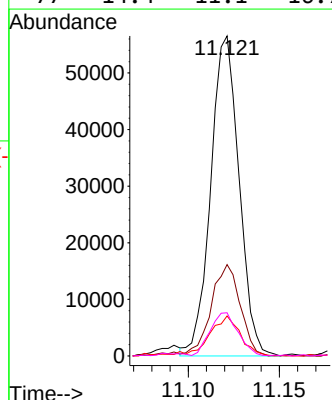
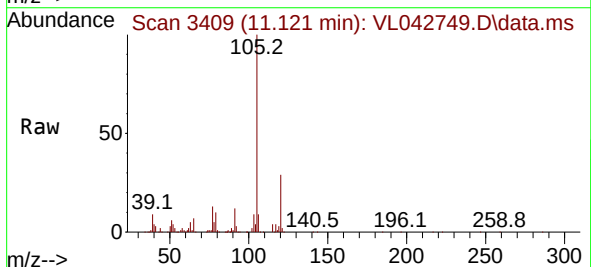
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

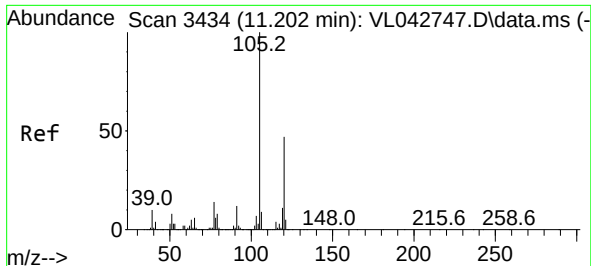
Tgt Ion: 91 Resp: 59193
Ion Ratio Lower Upper
91 100
126 30.1 12.0 48.2



#72
4-Ethyltoluene
Concen: 0.991 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:105 Resp: 61199
Ion Ratio Lower Upper
105 100
120 30.2 24.4 36.6
91 14.2 10.6 15.8
77 14.4 11.1 16.7

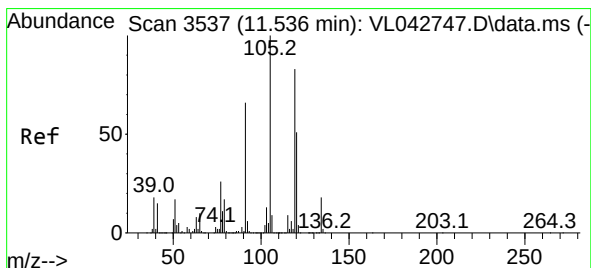
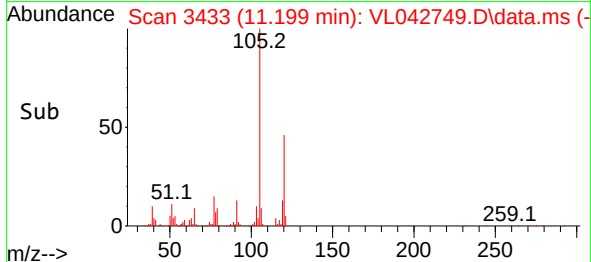
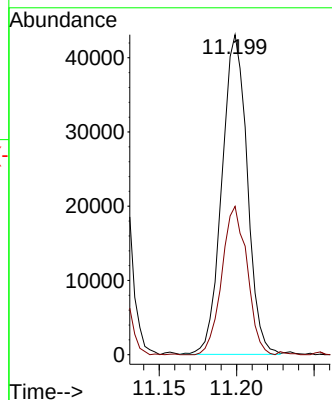
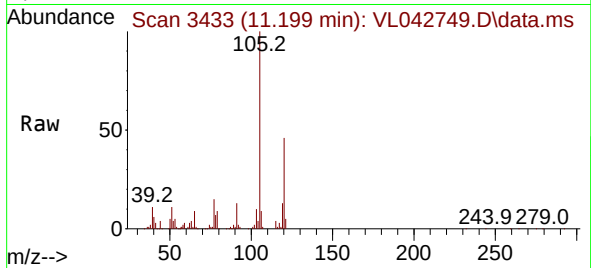




#73
1,3,5-Trimethylbenzene
Concen: 0.962 ppbv
RT: 11.199 min Scan# 3433
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

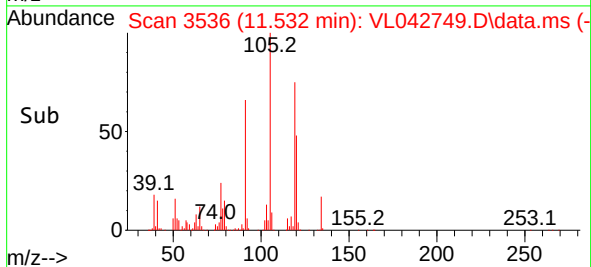
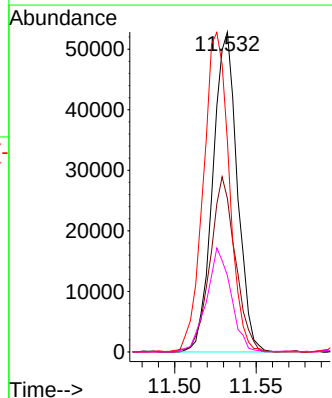
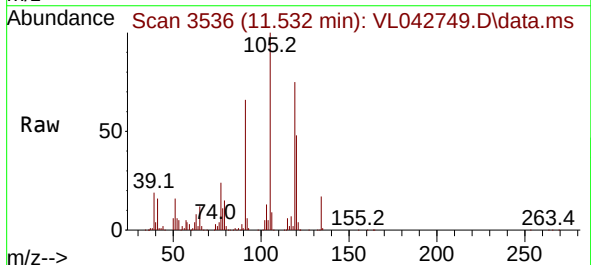
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

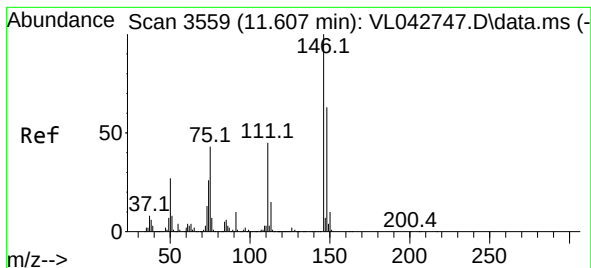
Tgt Ion:105 Resp: 48901
Ion Ratio Lower Upper
105 100
120 46.4 37.8 56.8



#74
1,2,4-Trimethylbenzene
Concen: 0.994 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:105 Resp: 55153
Ion Ratio Lower Upper
105 100
120 48.0 40.8 61.2
91 65.8 53.0 79.4
77 23.6 20.5 30.7





#75

1,3-Dichlorobenzene

Concen: 1.022 ppbv

RT: 11.600 min Scan# 3559

Delta R.T. -0.007 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

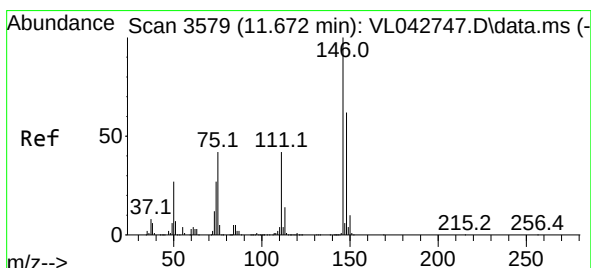
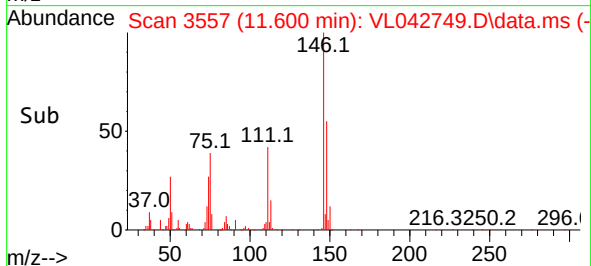
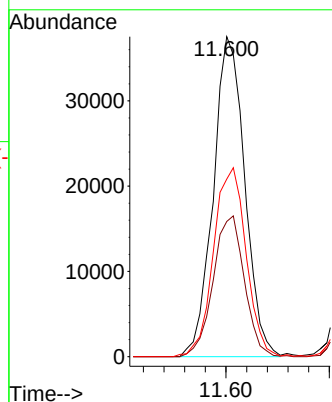
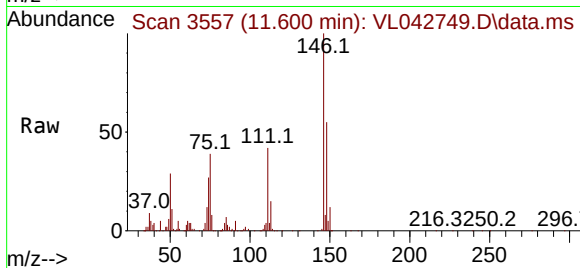
Tgt Ion:146 Resp: 39753

Ion Ratio Lower Upper

146 100

111 43.6 22.7 68.0

148 61.0 31.9 95.5



#76

1,4-Dichlorobenzene

Concen: 0.999 ppbv

RT: 11.665 min Scan# 3577

Delta R.T. -0.007 min

Lab File: VL042749.D

Acq: 23 Jul 2025 10:08

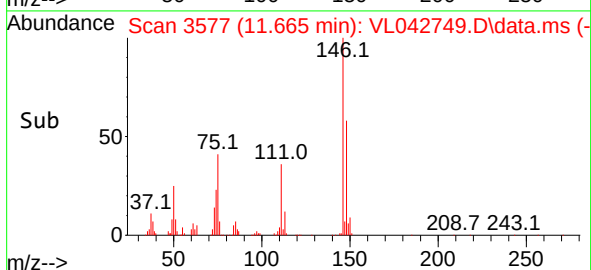
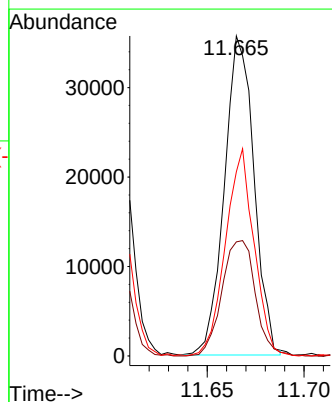
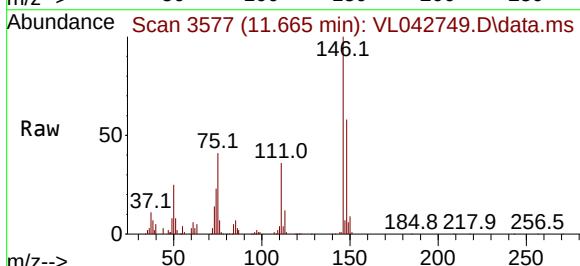
Tgt Ion:146 Resp: 38018

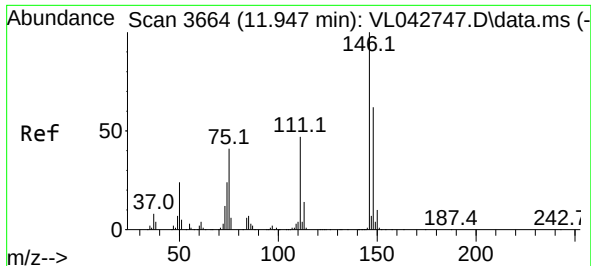
Ion Ratio Lower Upper

146 100

111 40.8 21.4 64.2

148 63.1 32.1 96.3

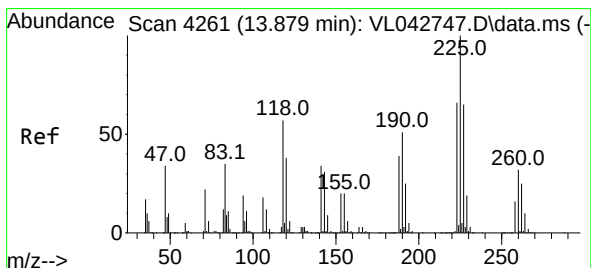
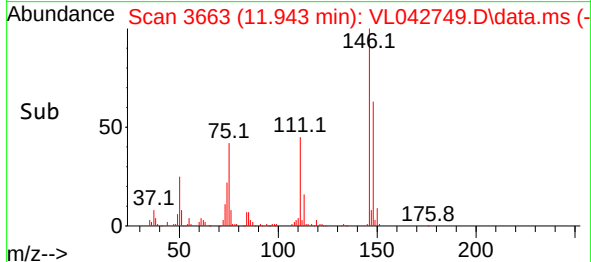
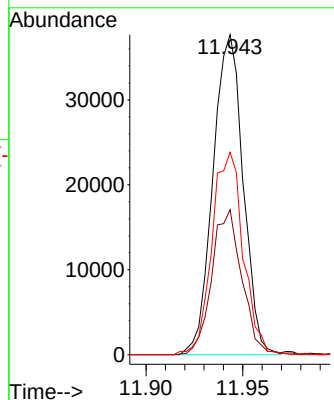
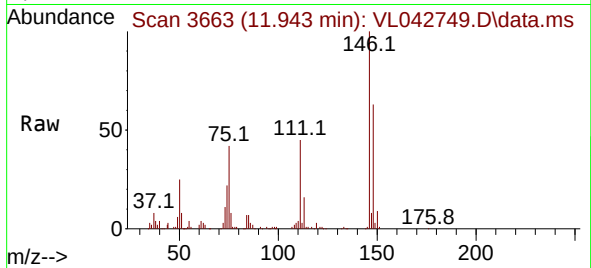




#77
1,2-Dichlorobenzene
Concen: 1.068 ppbv
RT: 11.943 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

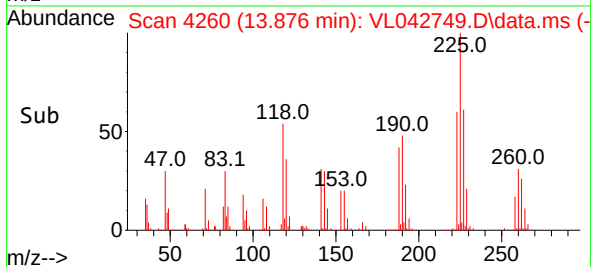
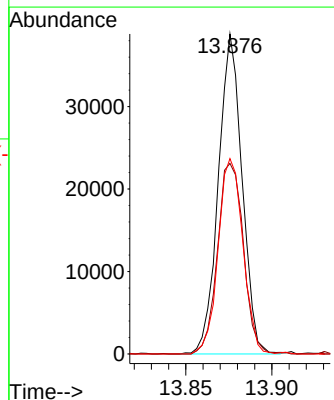
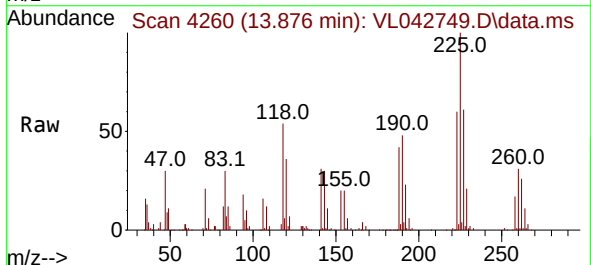
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

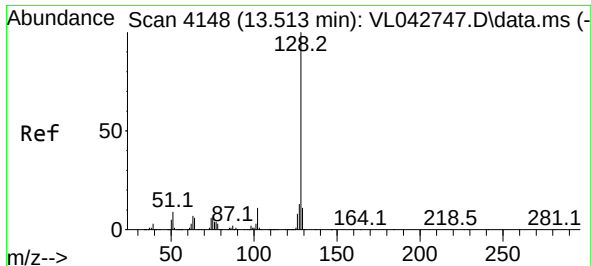
Tgt Ion:146 Resp: 40835
Ion Ratio Lower Upper
146 100
111 45.3 23.7 71.1
148 65.5 32.6 97.7



#78
Hexachloro-1,3-Butadiene
Concen: 1.076 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:225 Resp: 37228
Ion Ratio Lower Upper
225 100
223 65.2 50.7 76.1
227 63.9 50.5 75.7

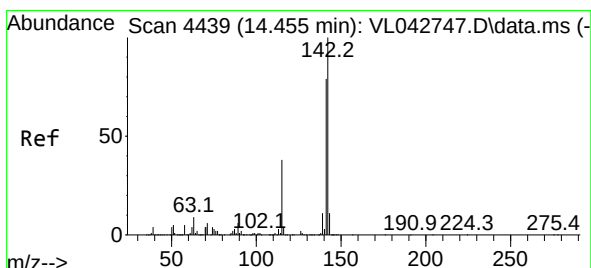
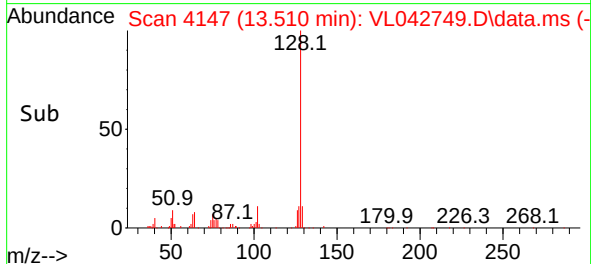
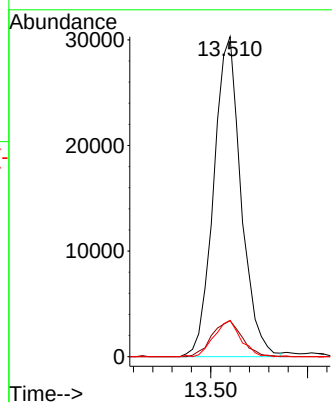
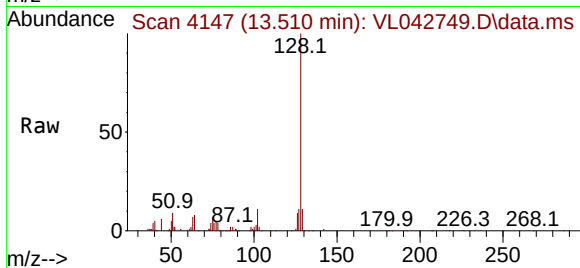




#79
Naphthalene
Concen: 0.907 ppbv
RT: 13.510 min Scan# 4148
Delta R.T. -0.003 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

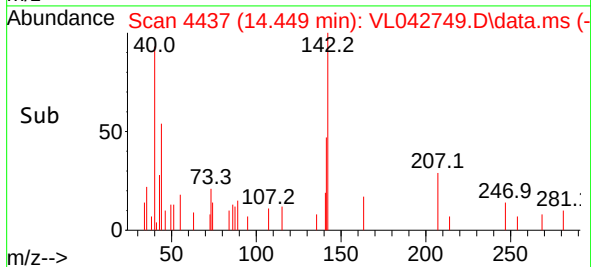
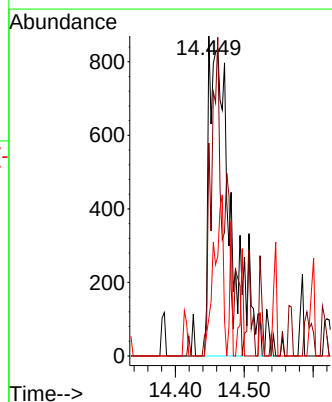
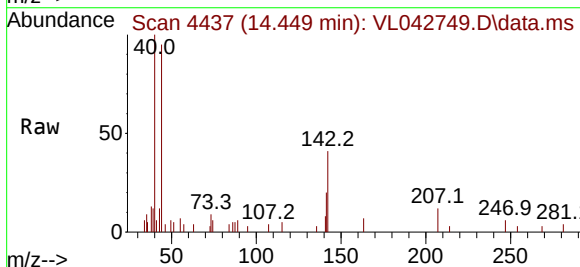
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

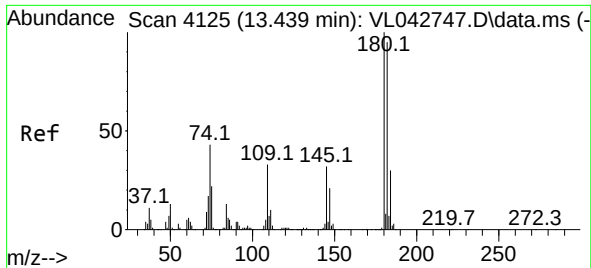
Tgt Ion:128	Resp:	29792
Ion Ratio	Lower	Upper
128	100	
127	11.3	10.5 15.7
129	11.4	8.6 13.0



#80
Naphthalene,2-methyl-
Concen: 1.184 ppbv
RT: 14.449 min Scan# 4437
Delta R.T. -0.007 min
Lab File: VL042749.D
Acq: 23 Jul 2025 10:08

Tgt Ion:142	Resp:	1950
Ion Ratio	Lower	Upper
142	100	
141	63.5	65.8 98.8#
115	25.1	31.2 46.8#





#81

1,2,4-Trichlorobenzene

Concen: 1.053 ppbv

RT: 13.435 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042749.D

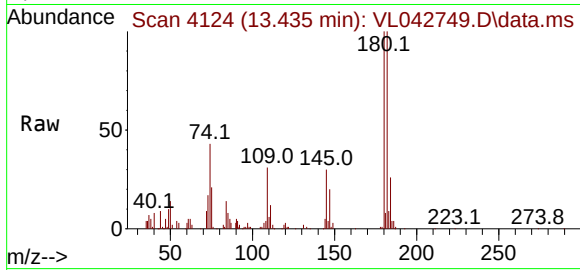
Acq: 23 Jul 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001



Tgt Ion:180 Resp: 21929

Ion Ratio Lower Upper

180 100

182 96.7 76.2 114.2

184 28.7 24.8 37.2

