

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
 Data File : VL042844.D
 Acq On : 13 Aug 2025 09:41
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Aug 14 01:47:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Aug 14 01:44:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.791	49	128542	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	400305	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	349577	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	265708	10.135	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	19603	1.041	ppbv	99
3) Chlorodifluoromethane	1.476	51	20833	0.999	ppbv	93
4) Chloromethane	1.535	50	7948	1.045	ppbv	96
5) Vinyl Chloride	1.583	62	7189	0.960	ppbv	96
6) Bromomethane	1.667	94	3446	1.151	ppbv	84
7) Chloroethane	1.706	64	3089	1.056	ppbv	93
8) Dichlorotetrafluoroethane	1.557	85	15872	1.030	ppbv	100
9) Propene	1.486	41	8897	0.989	ppbv	89
10) Heptane	4.991	43	10068	0.419	ppbv #	1
11) Trichlorofluoromethane	1.881	101	19701	1.060	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.143	101	15446	1.043	ppbv	97
13) Ethanol	1.722	45	1519	1.705	ppbv	85
14) Bromoethene	1.784	108	5343	0.996	ppbv #	78
15) Acetone	1.839	43	18961	1.115	ppbv	98
16) 1,3-Butadiene	1.609	39	8133	1.055	ppbv	98
17) tert-Butyl alcohol	2.046	59	21342	1.058	ppbv #	93
18) 1,1-Dichloroethene	2.040	96	6549	1.006	ppbv	93
19) Isopropyl Alcohol	1.888	45	10893	1.073	ppbv #	39
20) Methylene Chloride	2.062	84	7661	1.076	ppbv #	90
21) Allyl Chloride	2.098	41	11598	0.966	ppbv	88
22) trans-1,2-Dichloroethene	2.040	96	6629	0.910	ppbv	84
23) Vinyl Acetate	2.467	43	22270	0.996	ppbv #	96
24) 1,1-Dichloroethane	2.412	63	15727	1.045	ppbv	98
25) Ethyl Acetate	2.842	43	43007	1.045	ppbv	98
26) Hexane	2.829	57	19944	1.050	ppbv	92
27) Carbon Disulfide	2.153	76	19450	1.052	ppbv #	2
28) Methyl tert-Butyl Ether	2.444	73	9600	0.991	ppbv #	88
29) Chloroform	2.852	83	28055	1.034	ppbv	97
30) Cyclohexane	3.865	84	16492	0.990	ppbv	90
31) cis-1,2-Dichloroethene	2.723	61	19591	1.031	ppbv	98
32) 1,1,1-Trichloroethane	3.373	97	27607	0.961	ppbv	97
34) 2-Butanone	2.564	43	28105	1.040	ppbv	98
35) Carbon Tetrachloride	3.768	117	28008	1.015	ppbv	93
36) Benzene	3.661	78	39137	1.021	ppbv #	94
37) 1,2-Dichloroethane	3.224	62	20645	1.031	ppbv	97
38) Trichloroethene	4.555	130	17921	1.024	ppbv #	89
39) 1,2-Dichloropropane	4.325	63	6572	0.469	ppbv #	85
40) 1,4-Dioxane	4.603	88	3925	0.599	ppbv #	25
41) Tetrahydrofuran	3.062	42	15552	1.032	ppbv	94
42) Bromodichloromethane	4.499	83	29683	0.995	ppbv	99
43) Methyl Methacrylate	4.898	69	5494	0.349	ppbv #	1
44) 2,2,4-Trimethylpentane	4.645	57	64930	1.009	ppbv	96
45) t-1,3-Dichloropropene	6.429	75	7736	0.434	ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
 Data File : VL042844.D
 Acq On : 13 Aug 2025 09:41
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Aug 14 01:47:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Aug 14 01:44:36 2025
 Response via : Initial Calibration

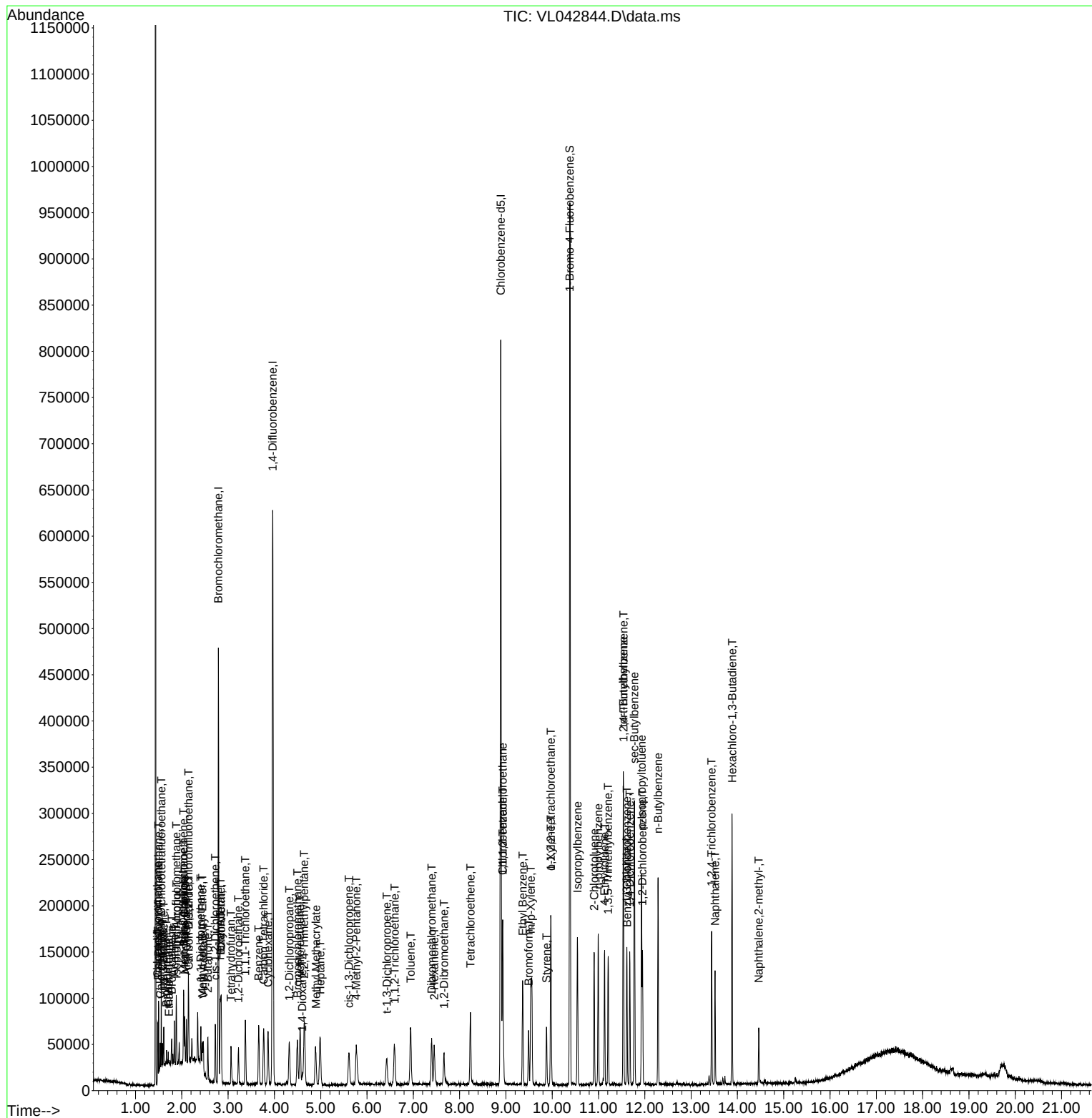
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.610	75	22372	0.999	ppbv	94
47) 1,1,2-Trichloroethane	6.597	97	15295	1.032	ppbv	86
48) Dibromochloromethane	7.396	129	24214	1.009	ppbv	99
49) Bromoform	9.490	173	20579	1.040	ppbv	98
50) 4-Methyl-2-Pentanone	5.768	43	36710	1.001	ppbv	98
51) 2-Hexanone	7.451	43	29487	1.026	ppbv #	99
52) Tetrachloroethene	8.235	164	13322	0.960	ppbv	90
53) Toluene	6.946	91	47256	1.036	ppbv	99
54) 1,2-Dibromoethane	7.665	107	21280	0.982	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.930	131	19176	1.061	ppbv	96
57) Chlorobenzene	8.930	112	34617	1.041	ppbv #	91
58) Ethyl Benzene	9.361	91	65223	1.057	ppbv	95
59) m/p-Xylene	9.539	91	53658	1.108	ppbv #	100
60) o-Xylene	9.969	91	51445	1.058	ppbv	99
61) Styrene	9.879	104	23660	1.038	ppbv	100
62) Isopropylbenzene	10.546	105	76708	1.079	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	27410	1.032	ppbv	98
64) n-propylbenzene	10.995	120	18462	1.018	ppbv	90
65) tert-Butylbenzene	11.536	119	69617	1.111	ppbv	99
66) Benzyl Chloride	11.617	91	7900	0.993	ppbv	98
67) sec-Butylbenzene	11.772	105	96288	1.095	ppbv	98
69) p-Isopropyltoluene	11.931	119	82934	1.098	ppbv	99
70) n-Butylbenzene	12.287	91	80511	1.075	ppbv	99
71) 2-Chlorotoluene	10.908	91	60086	1.089	ppbv	100
72) 4-Ethyltoluene	11.131	105	63147	1.071	ppbv	99
73) 1,3,5-Trimethylbenzene	11.206	105	53676	1.070	ppbv	95
74) 1,2,4-Trimethylbenzene	11.539	105	59633	1.083	ppbv	96
75) 1,3-Dichlorobenzene	11.610	146	33061	1.057	ppbv	98
76) 1,4-Dichlorobenzene	11.675	146	33064	1.045	ppbv	96
77) 1,2-Dichlorobenzene	11.950	146	33404	1.090	ppbv	98
78) Hexachloro-1,3-Butadiene	13.886	225	29555	1.177	ppbv	95
79) Naphthalene	13.517	128	57580	1.169	ppbv	97
80) Naphthalene,2-methyl-	14.462	142	19375	1.045	ppbv	96
81) 1,2,4-Trichlorobenzene	13.442	180	27861	1.111	ppbv	99

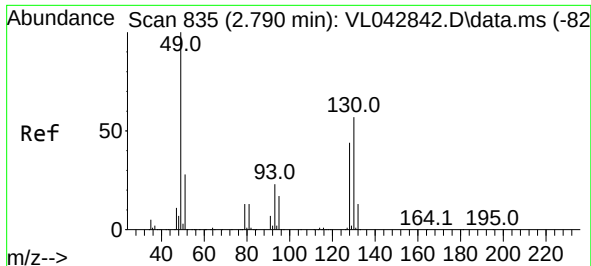
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
Data File : VL042844.D
Acq On : 13 Aug 2025 09:41
Operator : SY/MD
Sample : VSTDIC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Quant Time: Aug 14 01:47:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

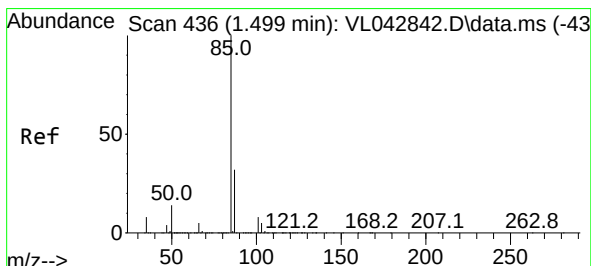
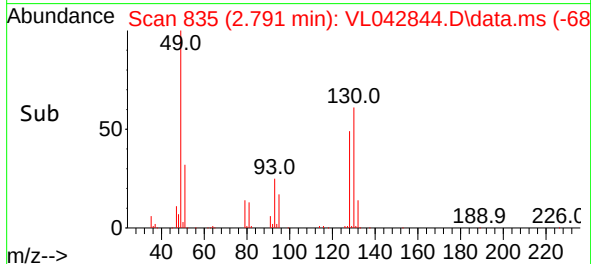
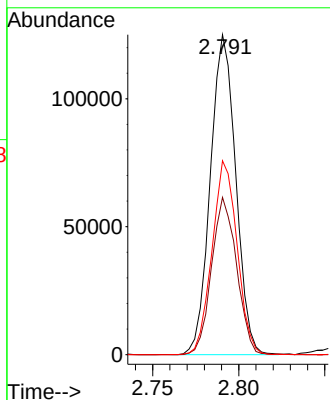
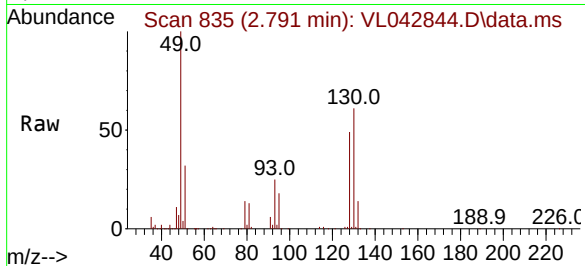




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.791 min Scan# 835
Delta R.T. 0.001 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

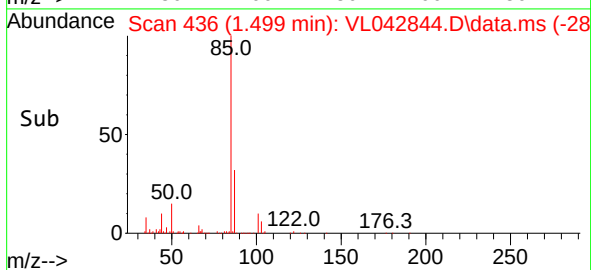
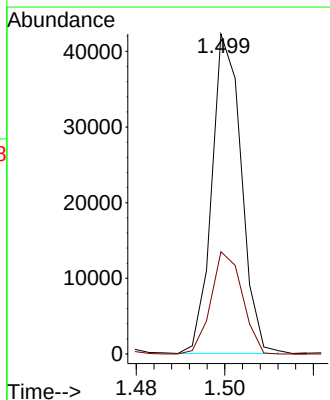
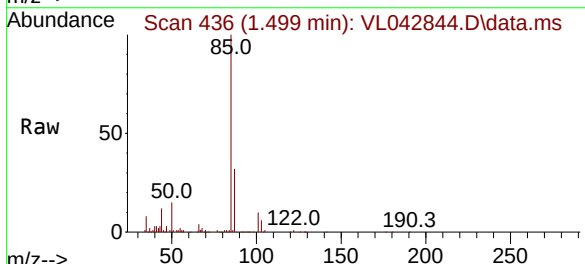
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

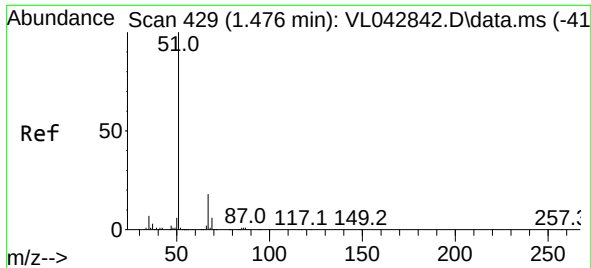
Tgt Ion: 49 Resp: 128542
Ion Ratio Lower Upper
49 100
128 48.4 23.7 71.1
130 59.9 30.6 91.6



#2
Dichlorodifluoromethane
Concen: 1.041 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 85 Resp: 19603
Ion Ratio Lower Upper
85 100
87 32.0 25.3 37.9

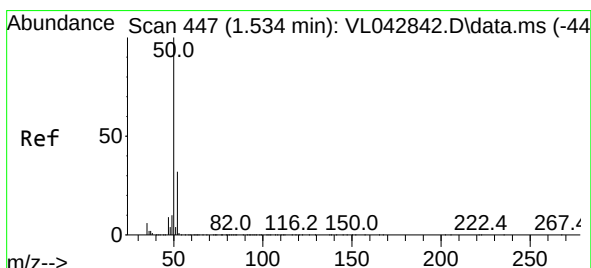
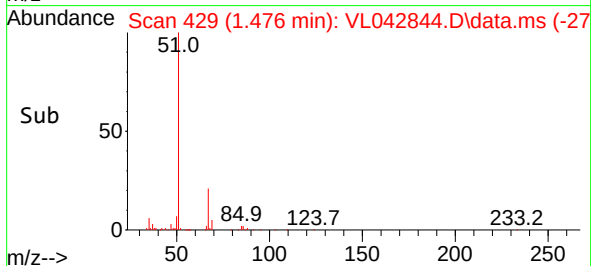
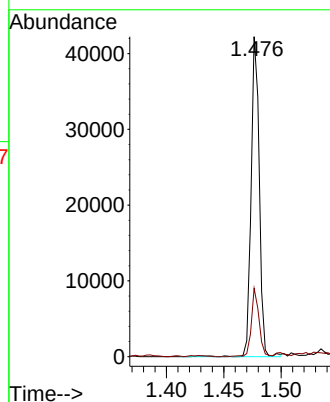
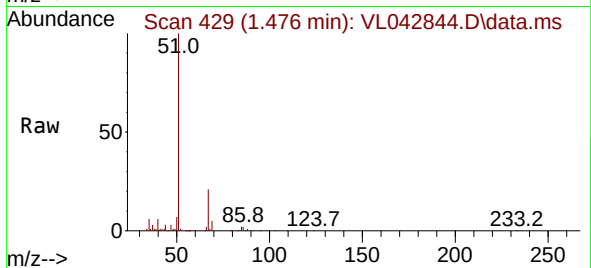




#3
Chlorodifluoromethane
Concen: 0.999 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

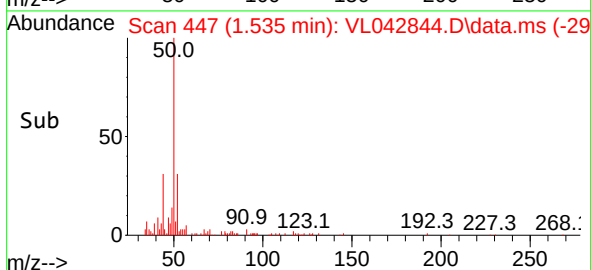
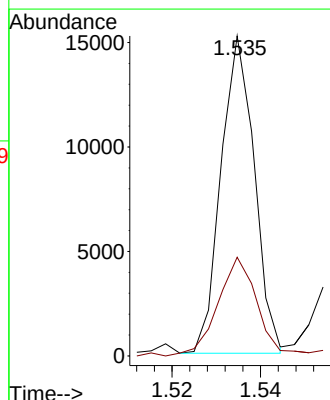
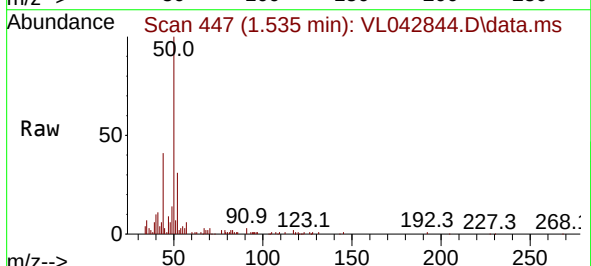
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

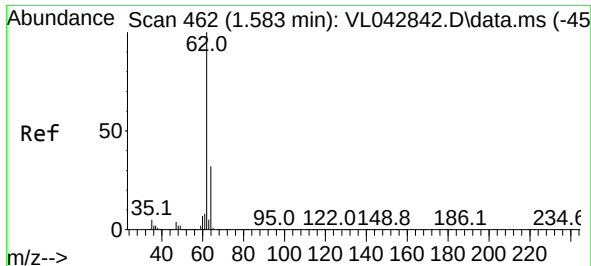
Tgt Ion: 51 Resp: 20833
Ion Ratio Lower Upper
51 100
67 21.9 14.9 22.3



#4
Chloromethane
Concen: 1.045 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 50 Resp: 7948
Ion Ratio Lower Upper
50 100
52 30.2 25.9 38.9

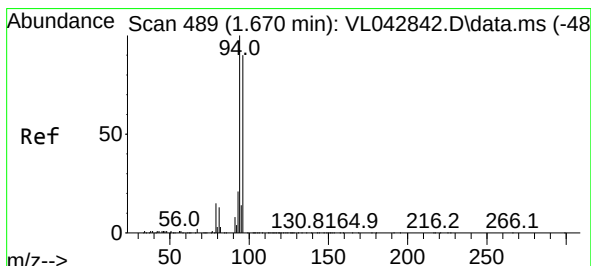
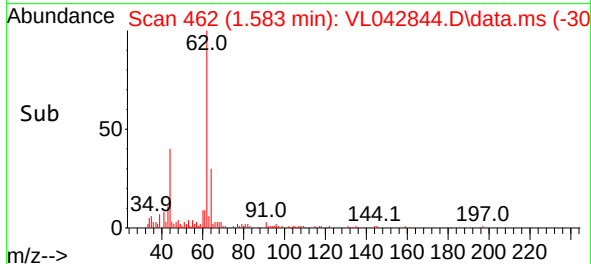
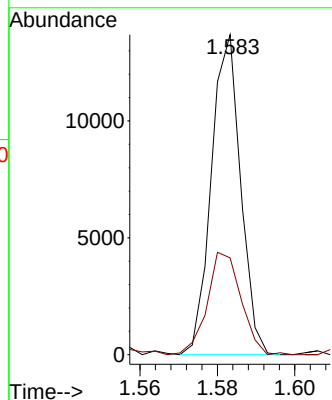
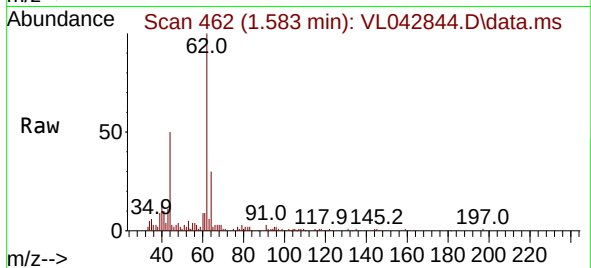




#5
 Vinyl Chloride
 Concen: 0.960 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

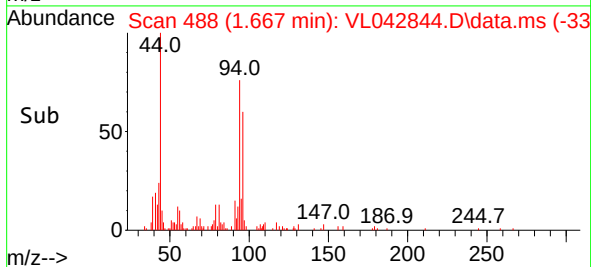
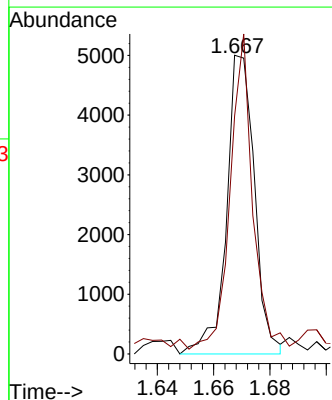
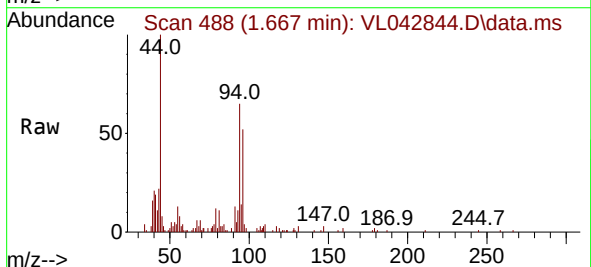
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

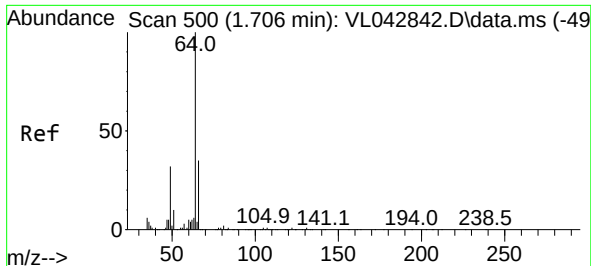
Tgt Ion: 62 Resp: 7189
 Ion Ratio Lower Upper
 62 100
 64 29.7 25.4 38.2



#6
 Bromomethane
 Concen: 1.151 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.003 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

Tgt Ion: 94 Resp: 3446
 Ion Ratio Lower Upper
 94 100
 96 74.7 72.1 108.1

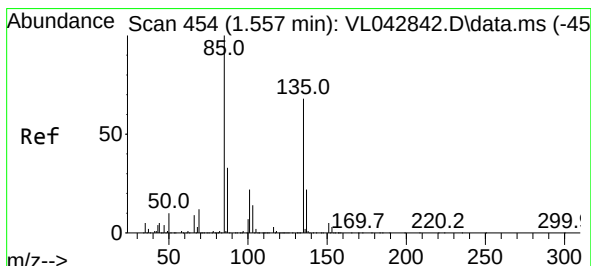
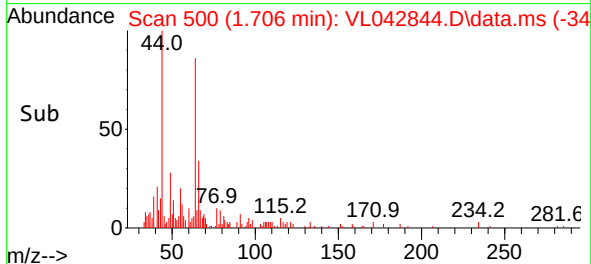
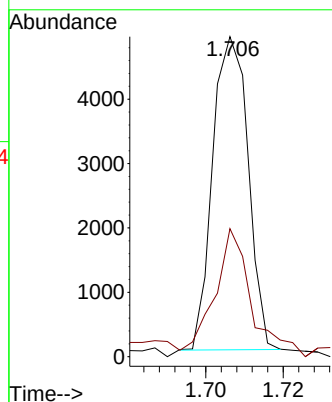
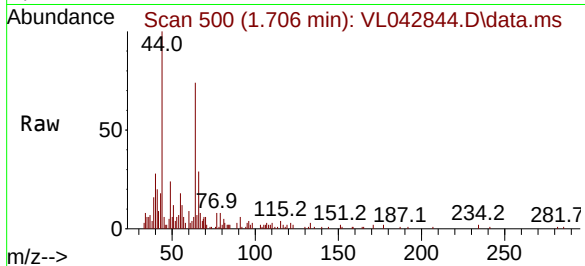




#7
Chloroethane
Concen: 1.056 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

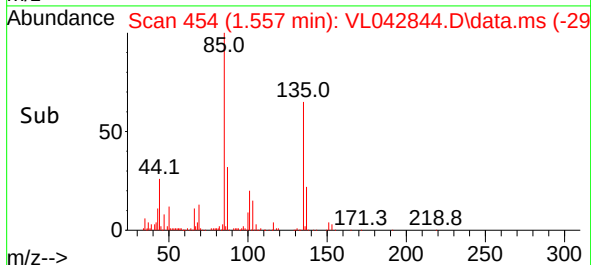
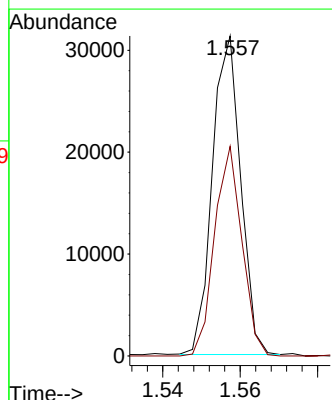
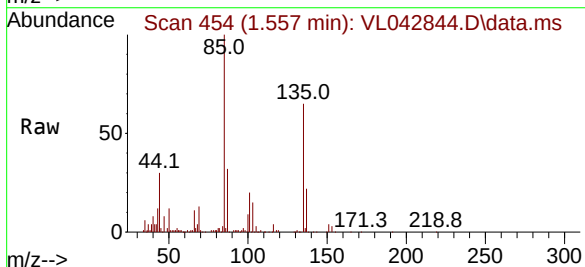
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

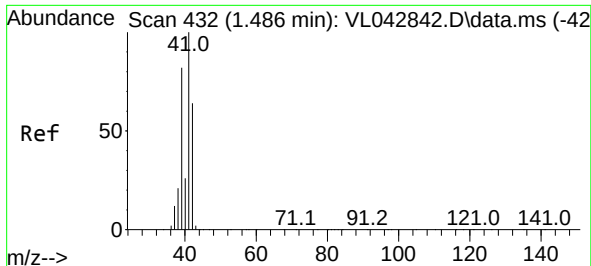
Tgt Ion: 64 Resp: 3089
Ion Ratio Lower Upper
64 100
66 40.0 28.6 42.8



#8
Dichlorotetrafluoroethane
Concen: 1.030 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 85 Resp: 15872
Ion Ratio Lower Upper
85 100
135 63.7 51.2 76.8

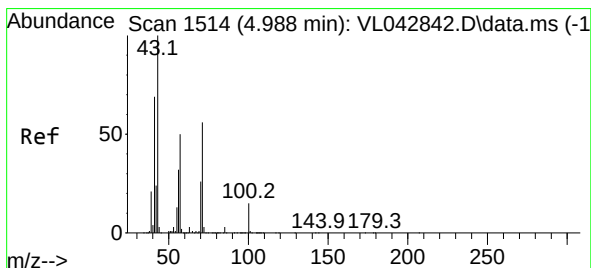
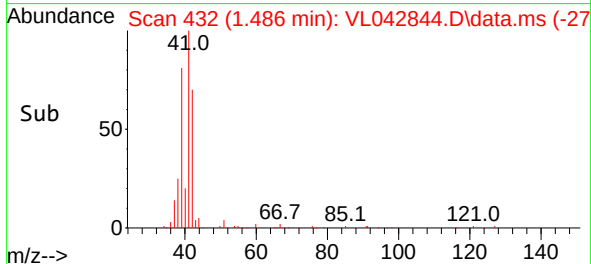
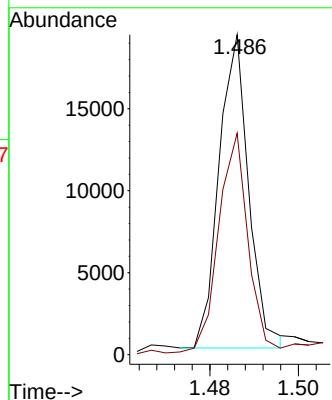
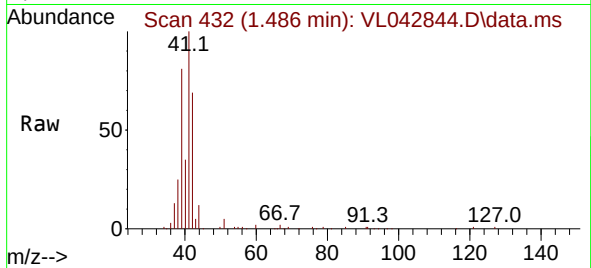




#9
Propene
Concen: 0.989 ppbv
RT: 1.486 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

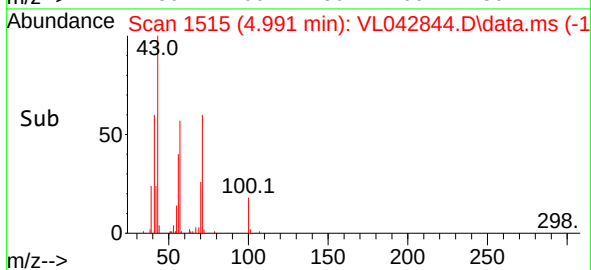
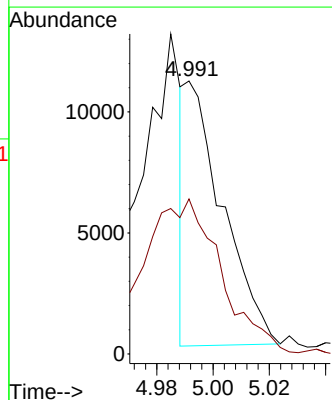
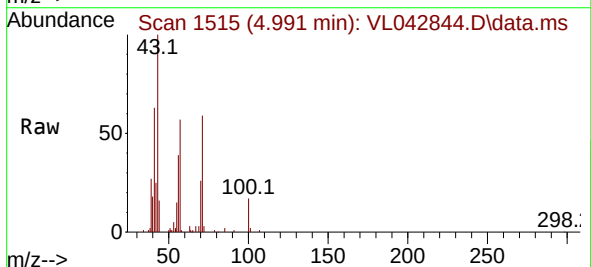
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

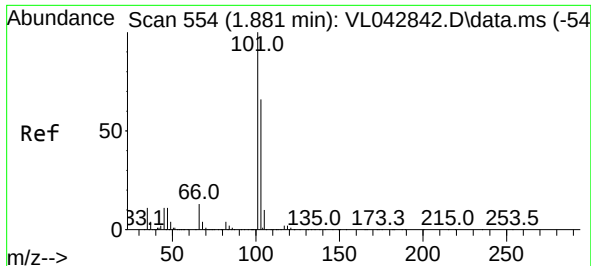
Tgt Ion: 41 Resp: 8897
Ion Ratio Lower Upper
41 100
42 74.9 53.0 79.4



#10
Heptane
Concen: 0.419 ppbv
RT: 4.991 min Scan# 1515
Delta R.T. 0.004 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 43 Resp: 10068
Ion Ratio Lower Upper
43 100
57 133.5 41.4 62.0#

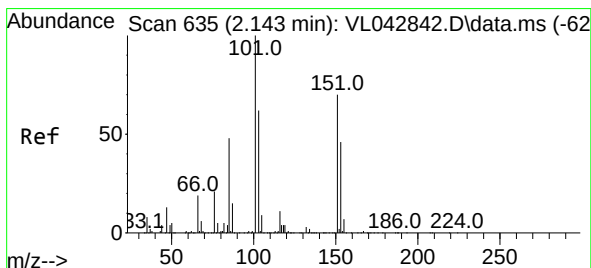
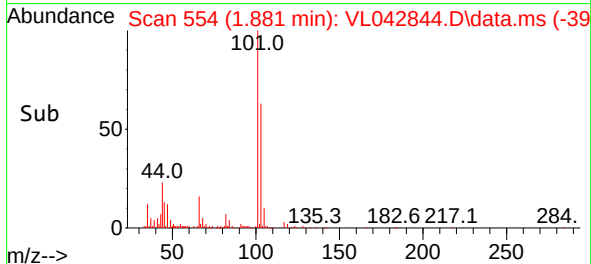
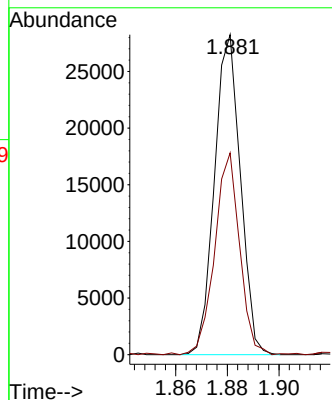
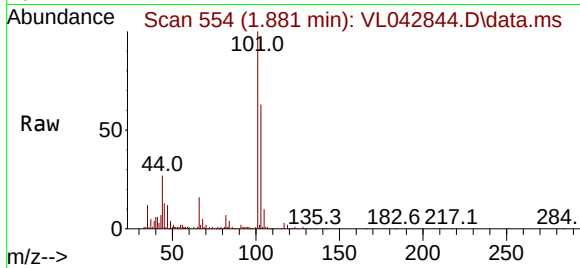




#11
 Trichlorofluoromethane
 Concen: 1.060 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

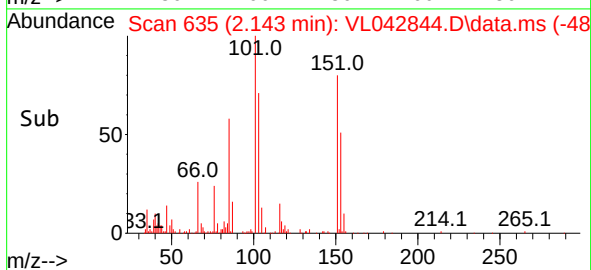
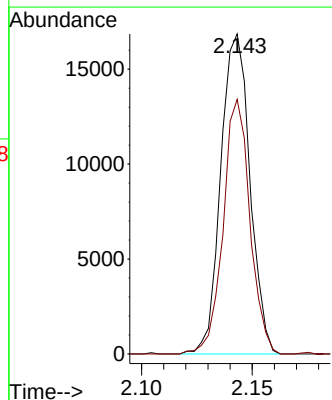
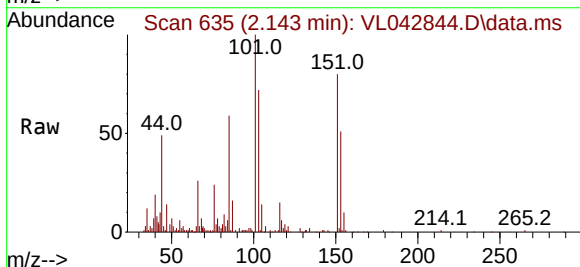
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

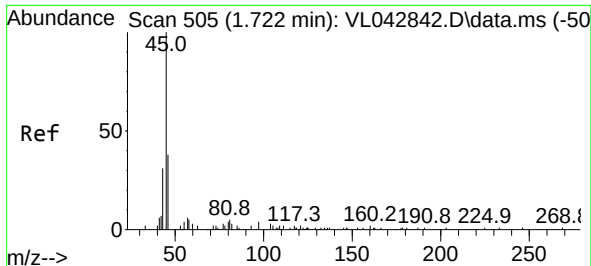
Tgt Ion:101 Resp: 19701
 Ion Ratio Lower Upper
 101 100
 103 62.8 52.5 78.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.043 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

Tgt Ion:101 Resp: 15446
 Ion Ratio Lower Upper
 101 100
 151 73.2 56.4 84.6

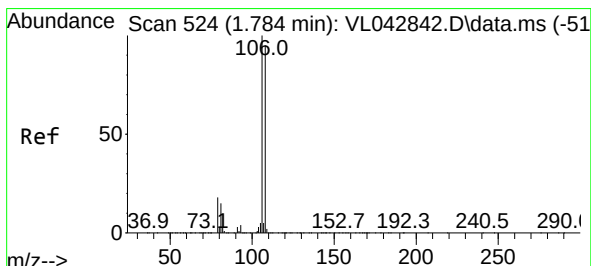
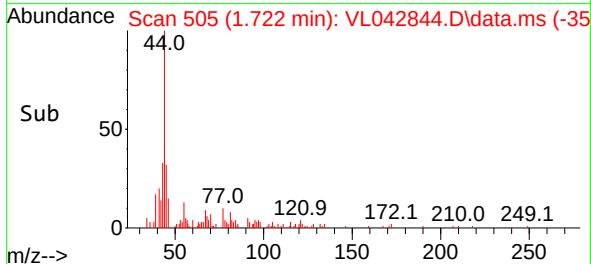
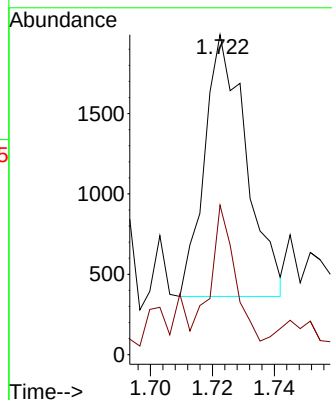
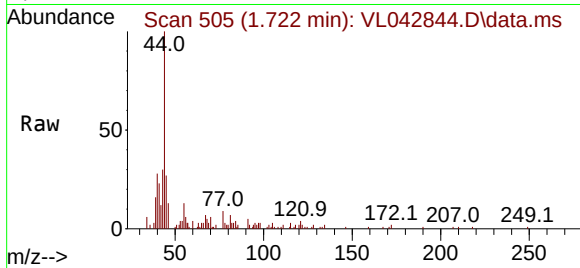




#13
Ethanol
Concen: 1.705 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

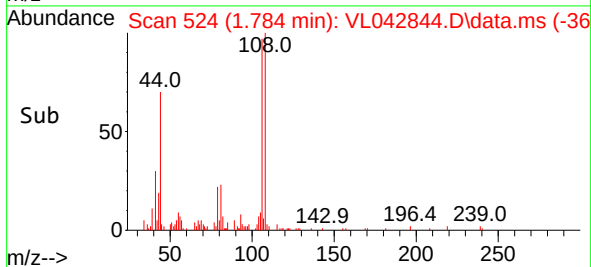
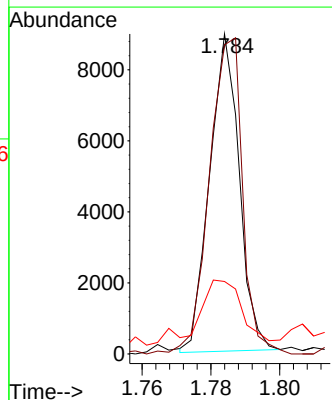
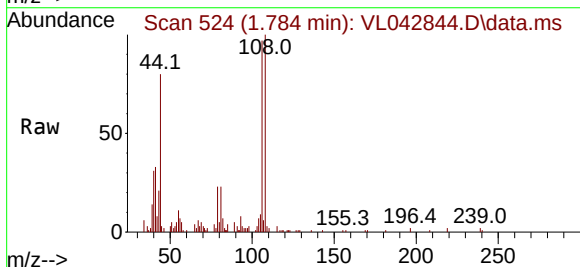
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

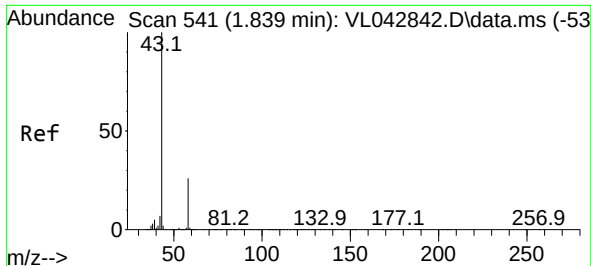
Tgt Ion: 45 Resp: 1519
Ion Ratio Lower Upper
45 100
46 53.5 17.5 69.9



#14
Bromoethene
Concen: 0.996 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 108 Resp: 5343
Ion Ratio Lower Upper
108 100
106 117.1 85.1 127.7
79 58.9 16.3 24.5

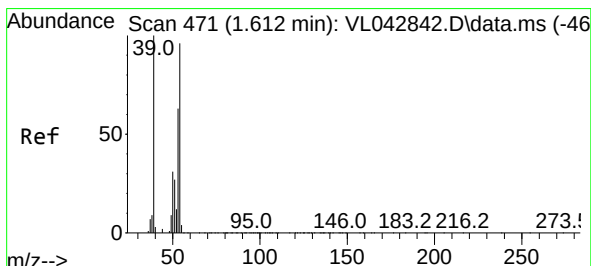
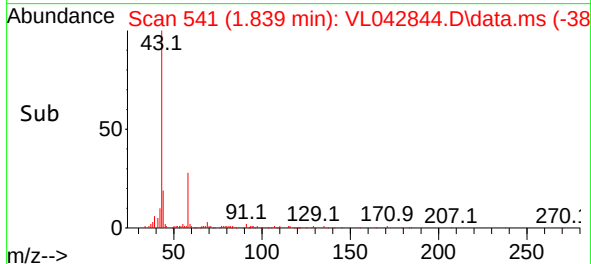
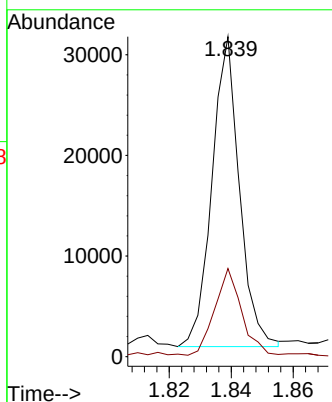
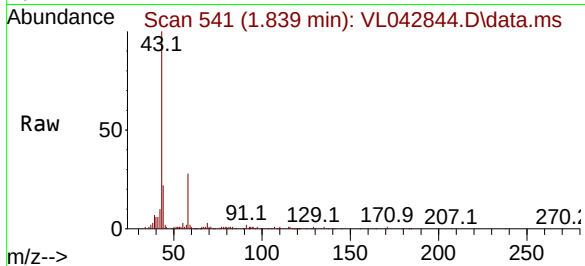




#15
Acetone
Concen: 1.115 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

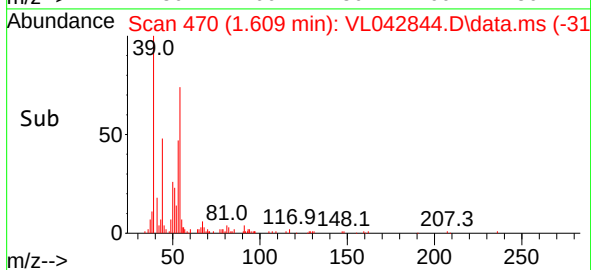
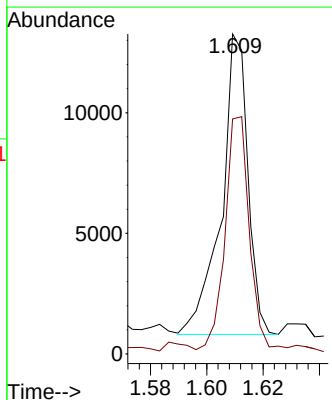
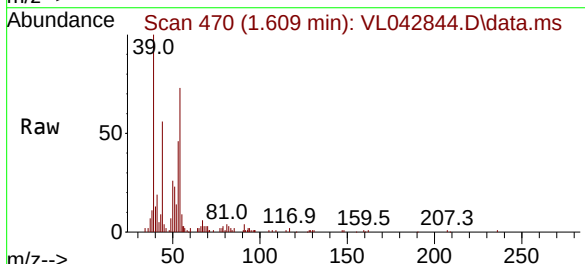
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

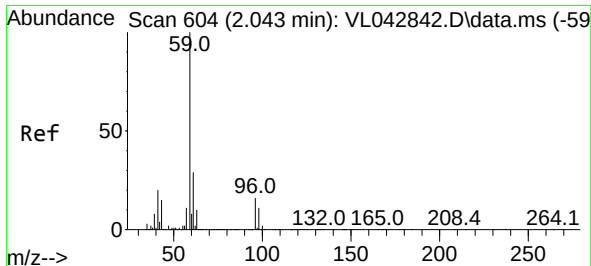
Tgt Ion: 43 Resp: 18961
Ion Ratio Lower Upper
43 100
58 29.1 22.4 33.6



#16
1,3-Butadiene
Concen: 1.055 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 39 Resp: 8133
Ion Ratio Lower Upper
39 100
54 78.0 63.6 95.4





#17

tert-Butyl alcohol

Concen: 1.058 ppbv

RT: 2.046 min Scan# 604

Delta R.T. 0.003 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

Instrument :

MSVOA_1

ClientSampleId :

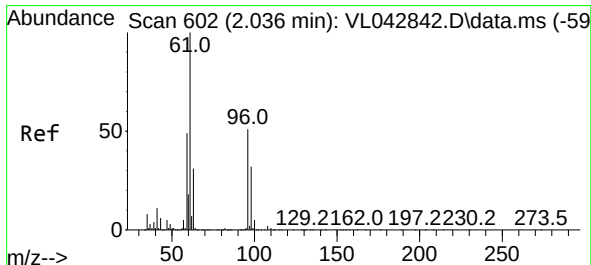
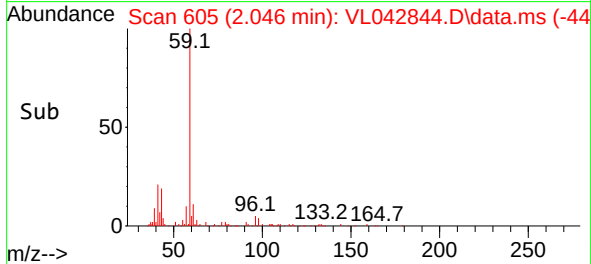
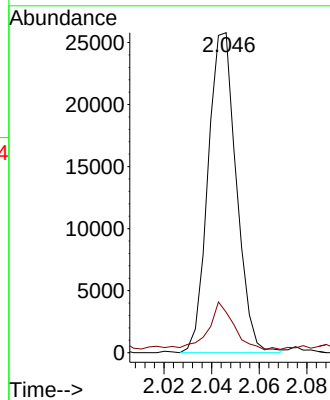
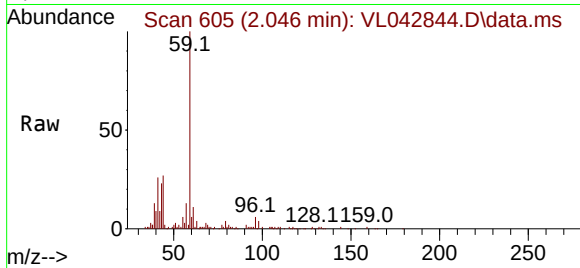
VSTDIC001

Tgt Ion: 59 Resp: 21342

Ion Ratio Lower Upper

59 100

57 13.7 9.0 13.4#



#18

1,1-Dichloroethene

Concen: 1.006 ppbv

RT: 2.040 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

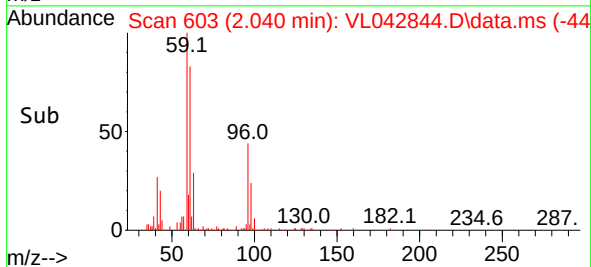
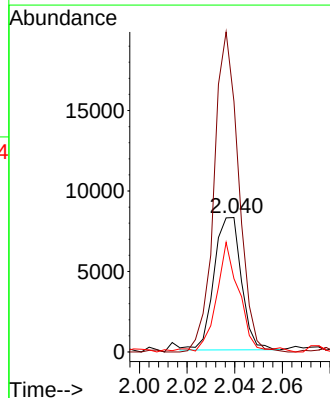
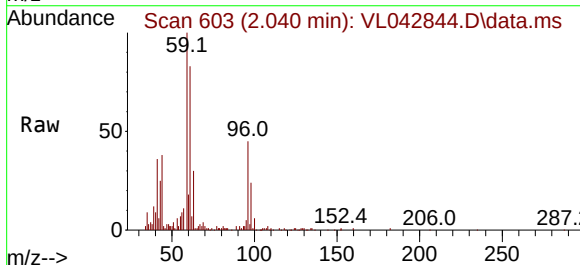
Tgt Ion: 96 Resp: 6549

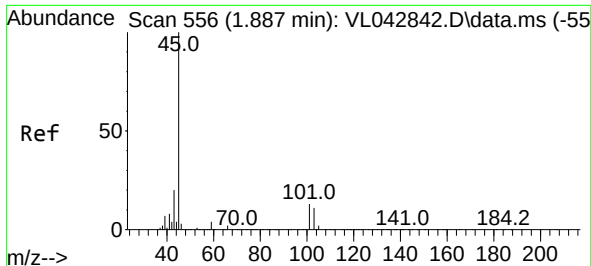
Ion Ratio Lower Upper

96 100

61 189.6 158.2 237.4

98 53.1 50.6 76.0

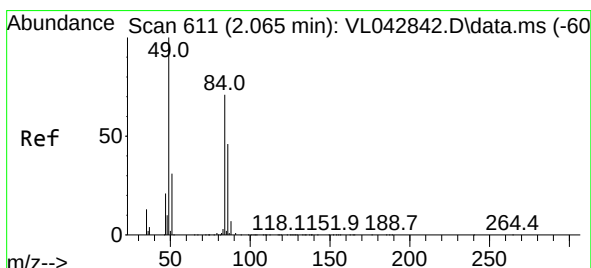
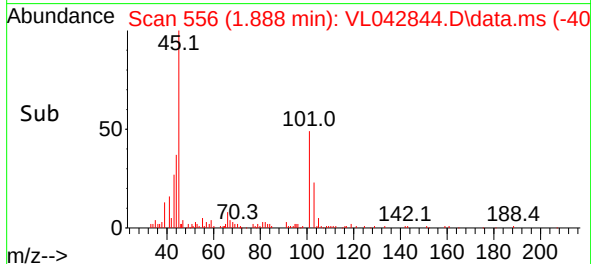
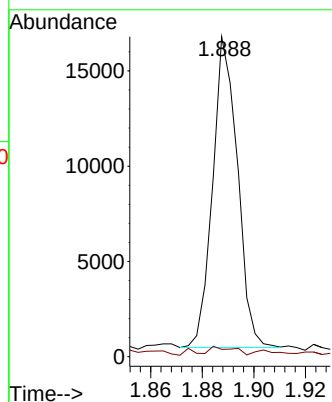
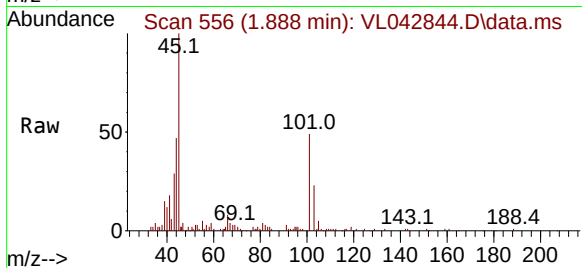




#19
Isopropyl Alcohol
Concen: 1.073 ppbv
RT: 1.888 min Scan# 510
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

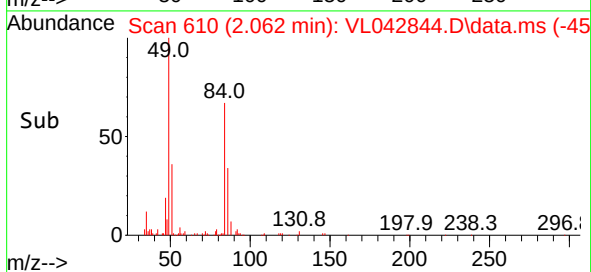
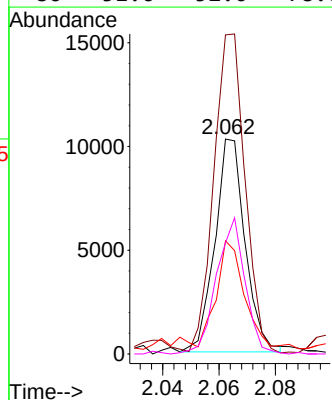
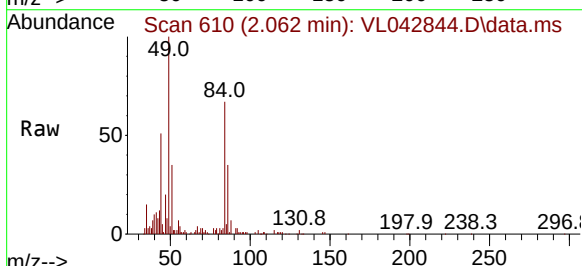
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

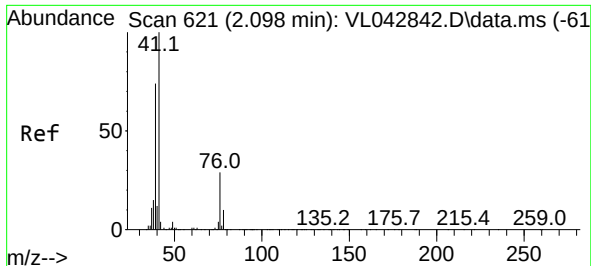
Tgt Ion: 45 Resp: 10893
Ion Ratio Lower Upper
45 100
58 2.9 32.7 49.1#



#20
Methylene Chloride
Concen: 1.076 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 84 Resp: 7661
Ion Ratio Lower Upper
84 100
49 149.4 112.3 168.5
51 49.2 36.0 54.0
86 51.6 52.0 78.0#

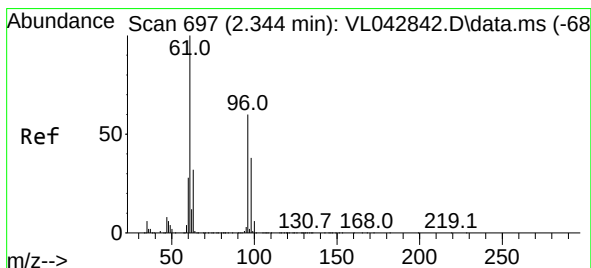
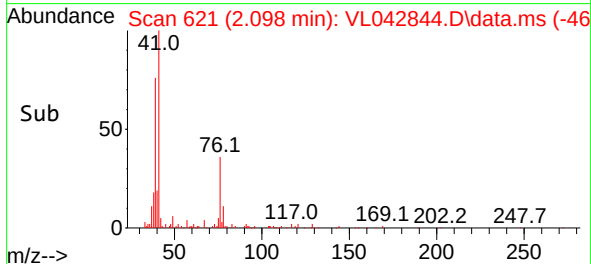
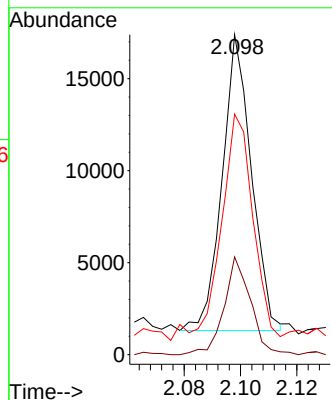
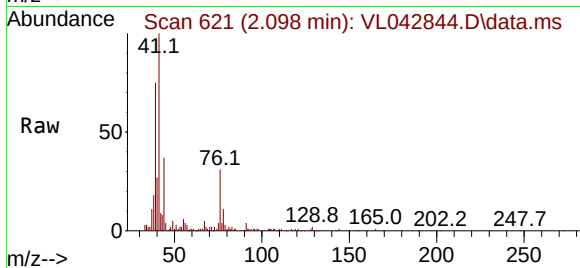




#21
 Allyl Chloride
 Concen: 0.966 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

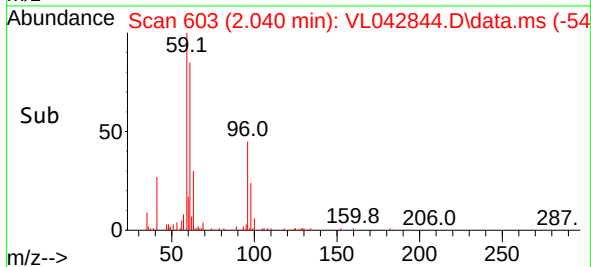
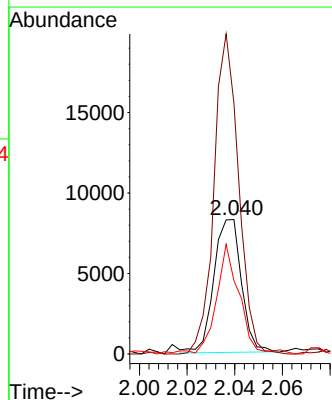
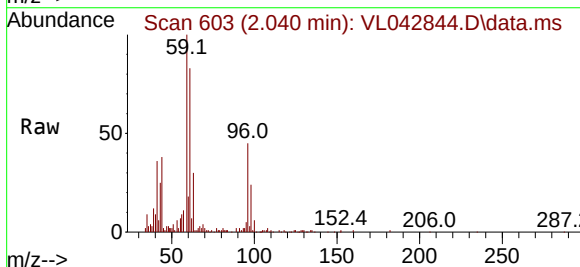
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

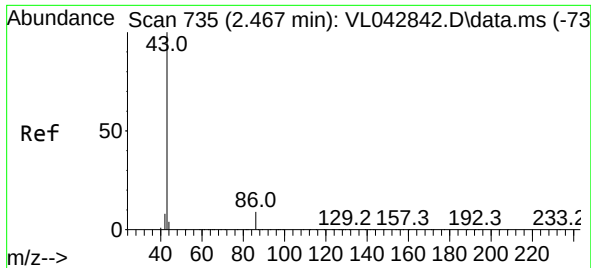
Tgt Ion: 41 Resp: 11598
 Ion Ratio Lower Upper
 41 100
 76 30.9 23.9 35.9
 39 86.2 57.8 86.6



#22
 trans-1,2-Dichloroethene
 Concen: 0.910 ppbv
 RT: 2.040 min Scan# 603
 Delta R.T. -0.304 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

Tgt Ion: 96 Resp: 6629
 Ion Ratio Lower Upper
 96 100
 61 189.6 132.6 199.0
 98 53.1 50.0 75.0

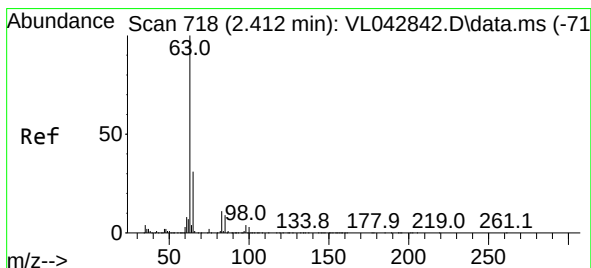
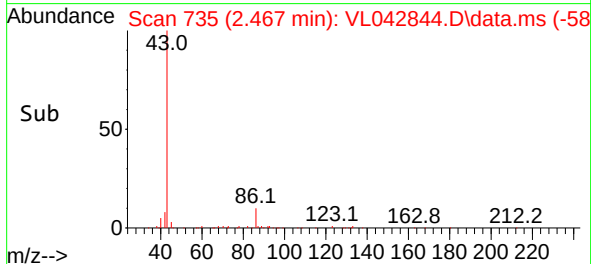
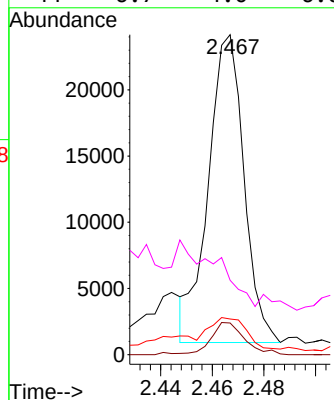
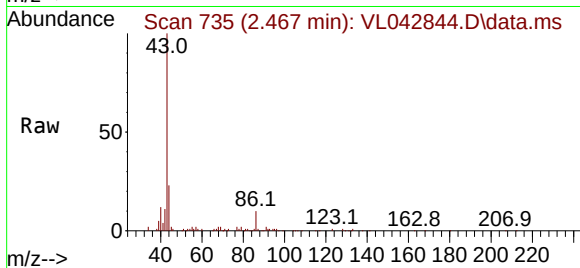




#23
 Vinyl Acetate
 Concen: 0.996 ppbv
 RT: 2.467 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

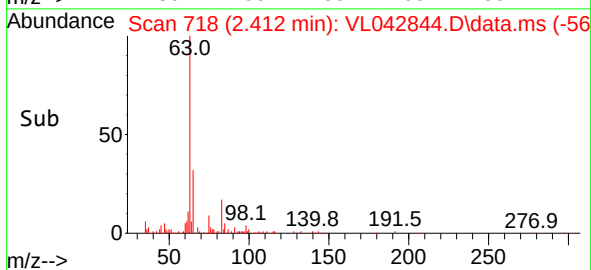
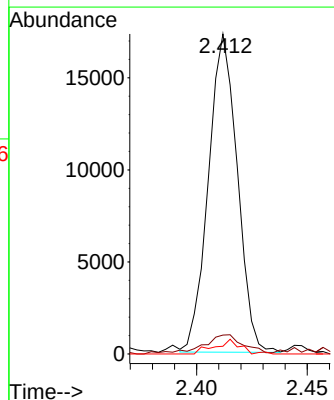
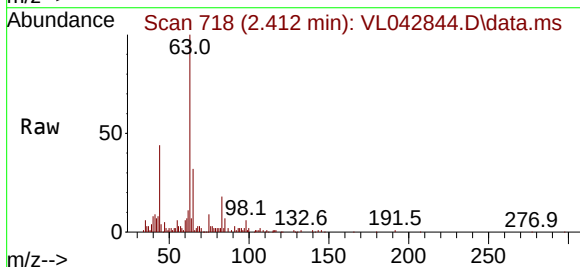
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

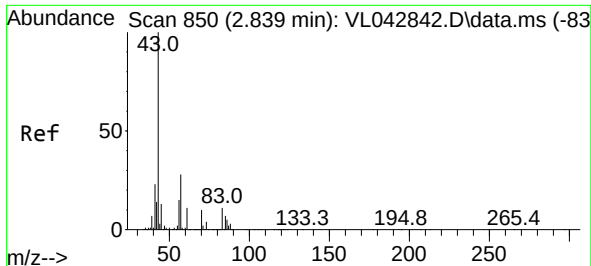
Tgt Ion:	43	Resp:	22270
Ion	Ratio	Lower	Upper
43	100		
86	10.0	6.6	9.8#
42	9.8	7.0	10.6
44	6.7	4.0	6.0#



#24
 1,1-Dichloroethane
 Concen: 1.045 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

Tgt Ion:	63	Resp:	15727
Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.1	6.5
100	2.4	1.7	5.1

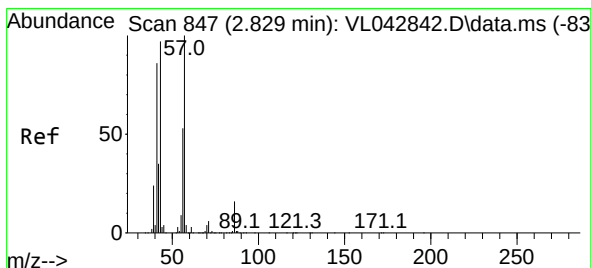
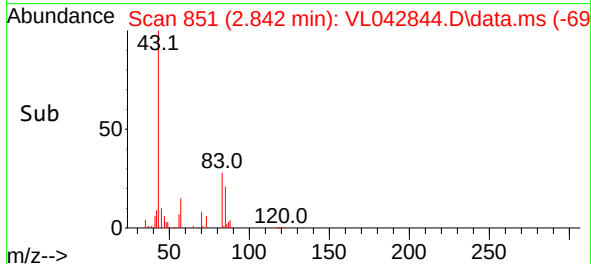
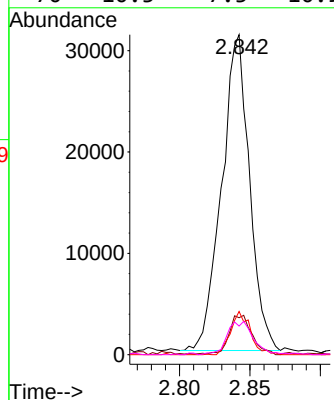
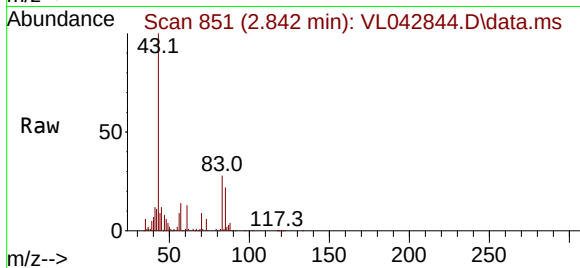




#25
Ethyl Acetate
Concen: 1.045 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

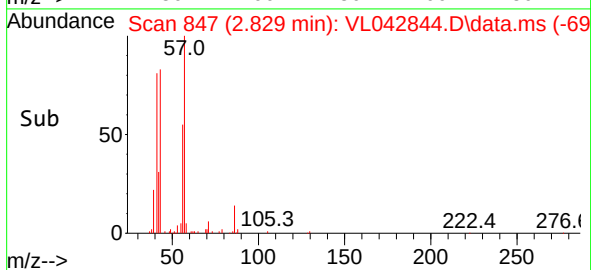
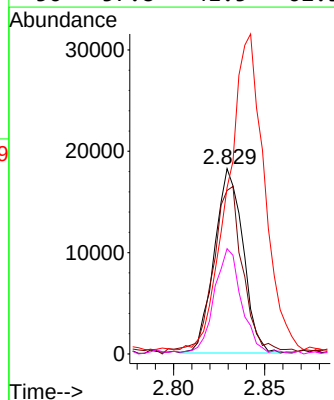
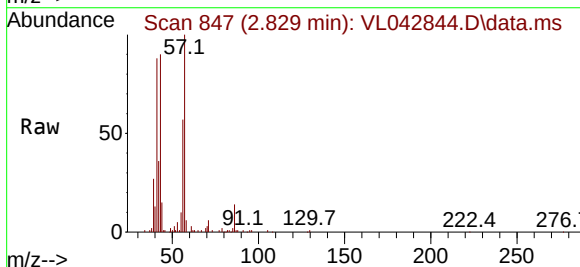
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC001

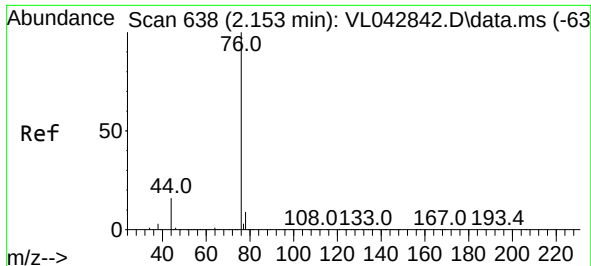
Tgt Ion:	43	Resp:	43007
Ion	Ratio	Lower	Upper
43	100		
45	11.2	8.1	12.1
61	9.7	7.4	11.2
70	10.3	7.3	10.9



#26
Hexane
Concen: 1.050 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:	57	Resp:	19944
Ion	Ratio	Lower	Upper
57	100		
41	93.6	68.6	103.0
43	222.4	168.5	252.7
56	57.8	41.5	62.3





#27

Carbon Disulfide

Concen: 1.052 ppbv

RT: 2.153 min Scan# 638

Delta R.T. 0.000 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

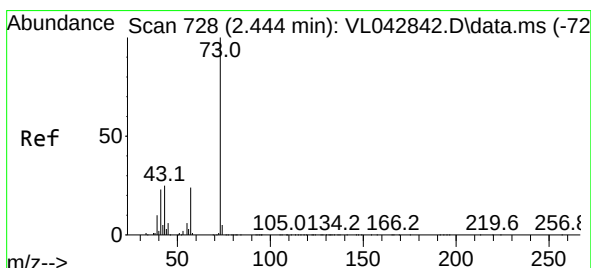
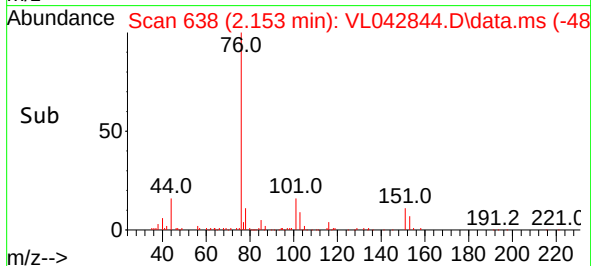
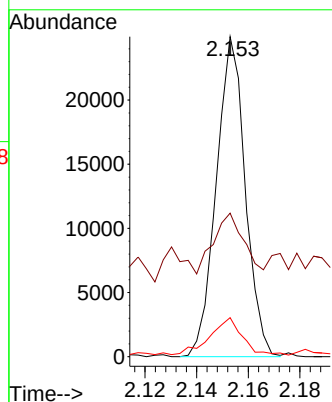
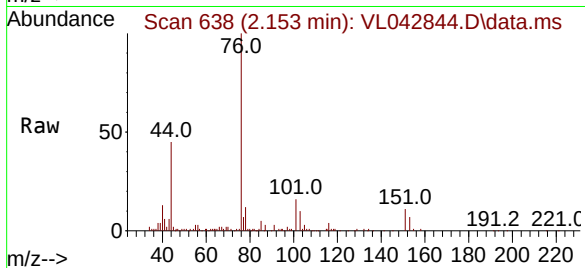
Tgt Ion: 76 Resp: 19450

Ion Ratio Lower Upper

76 100

44 88.3 15.9 23.9#

78 17.1 9.5 14.3#



#28

Methyl tert-Butyl Ether

Concen: 0.991 ppbv

RT: 2.444 min Scan# 728

Delta R.T. 0.000 min

Lab File: VL042844.D

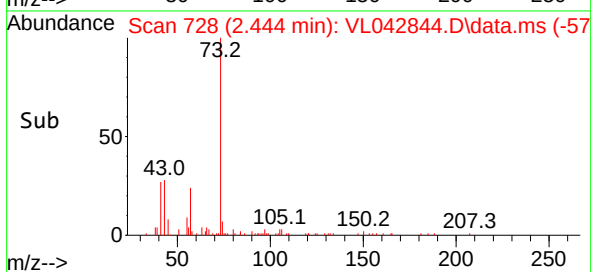
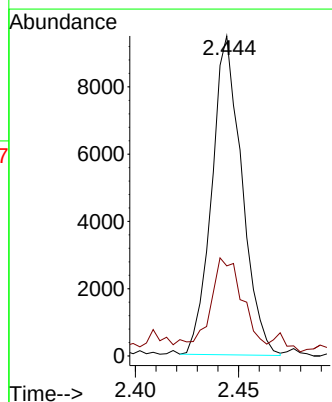
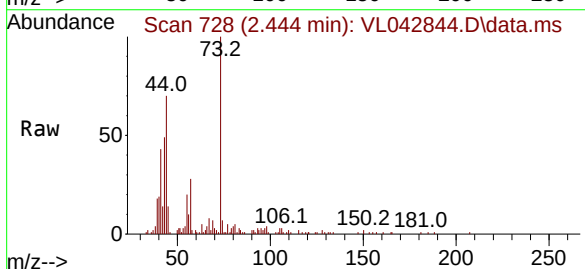
Acq: 13 Aug 2025 09:41

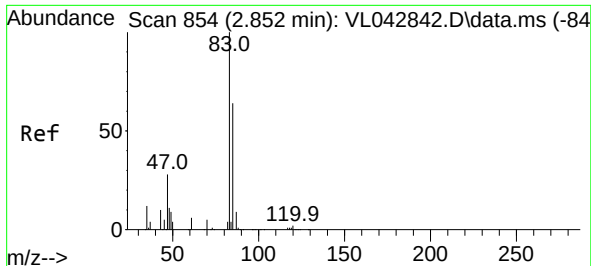
Tgt Ion: 73 Resp: 9600

Ion Ratio Lower Upper

73 100

57 33.4 21.6 32.4#





#29

Chloroform

Concen: 1.034 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.000 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

Instrument :

MSVOA_L

ClientSampleId :

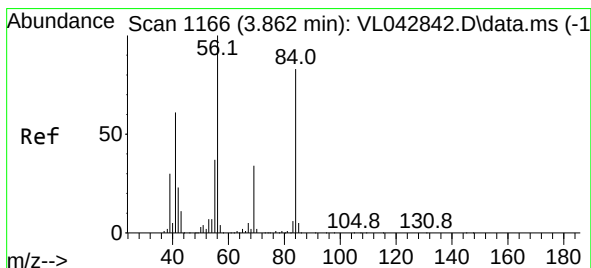
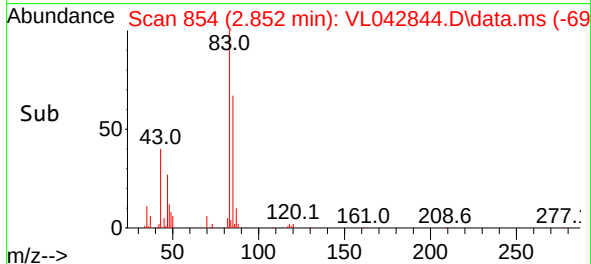
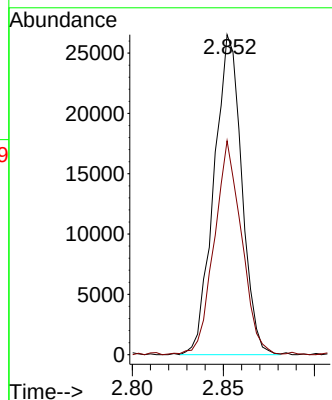
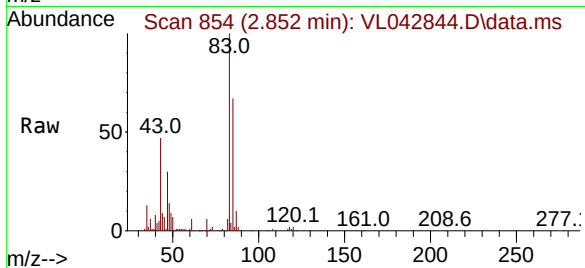
VSTDIC001

Tgt Ion: 83 Resp: 28055

Ion Ratio Lower Upper

83 100

85 66.6 51.1 76.7



#30

Cyclohexane

Concen: 0.990 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.003 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

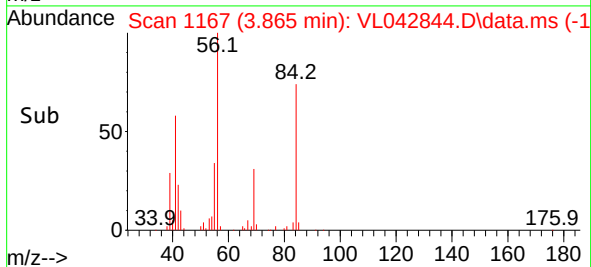
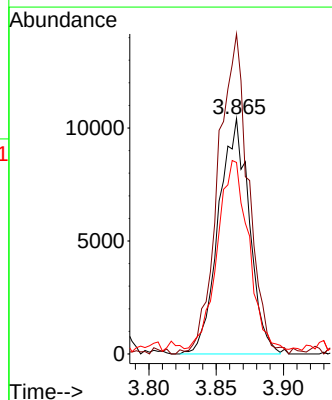
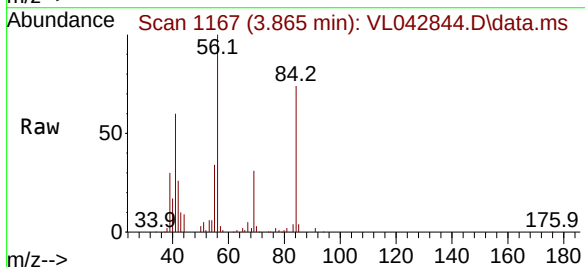
Tgt Ion: 84 Resp: 16492

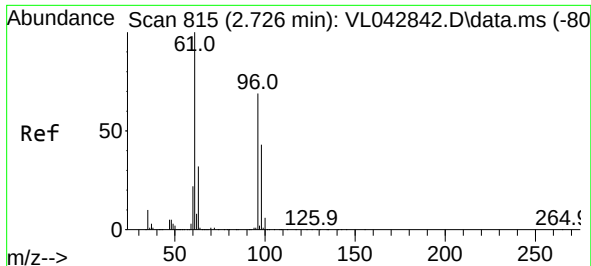
Ion Ratio Lower Upper

84 100

56 135.9 98.8 148.2

41 84.9 61.3 91.9

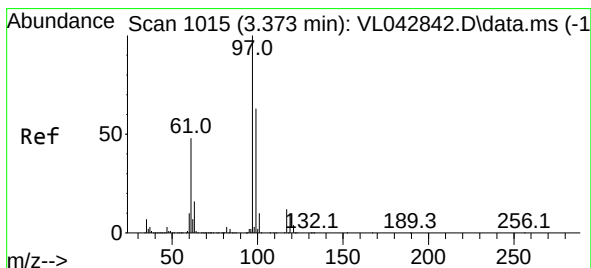
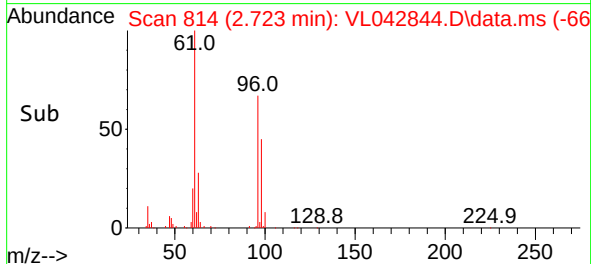
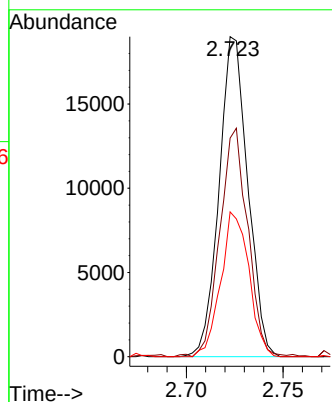
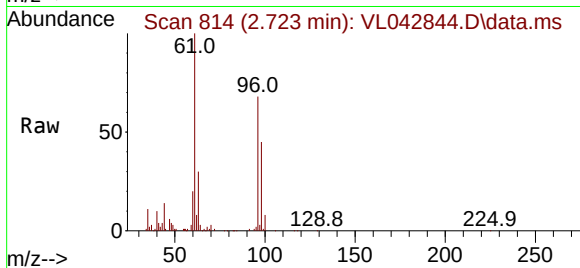




#31
 cis-1,2-Dichloroethene
 Concen: 1.031 ppbv
 RT: 2.723 min Scan# 815
 Delta R.T. -0.003 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

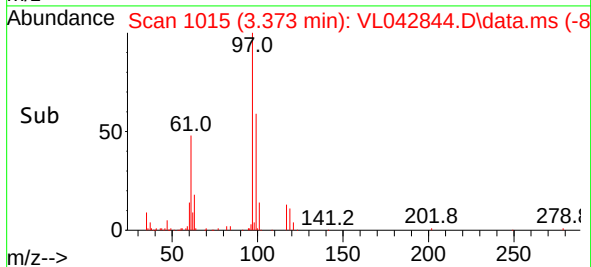
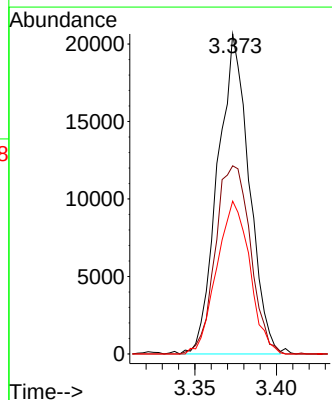
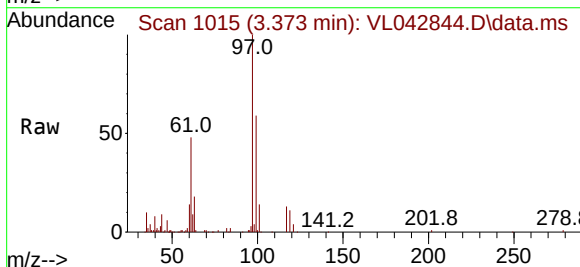
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

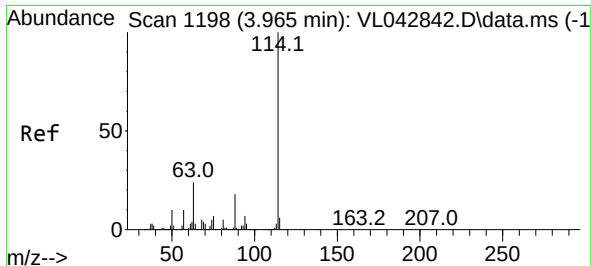
Tgt Ion:	61	Resp:	19591
Ion	Ratio	Lower	Upper
61	100		
96	67.7	55.0	82.6
98	45.2	34.3	51.5



#32
 1,1,1-Trichloroethane
 Concen: 0.961 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.000 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

Tgt Ion:	97	Resp:	27607
Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.0	76.6
61	50.2	38.0	57.0

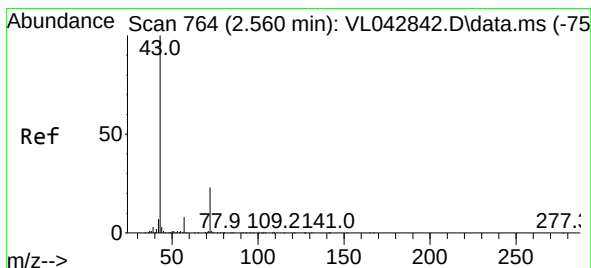
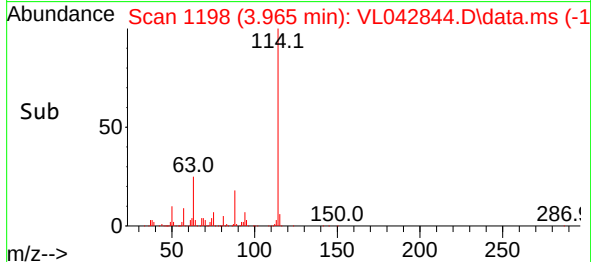
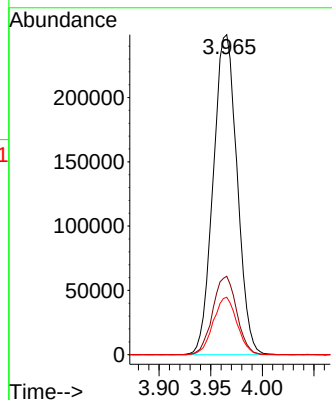
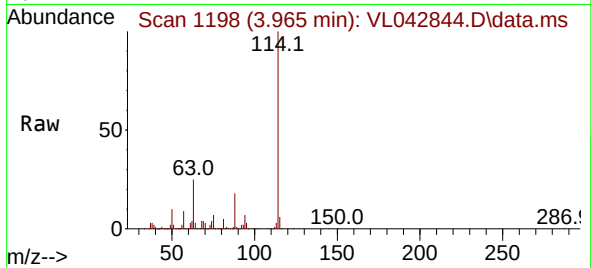




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

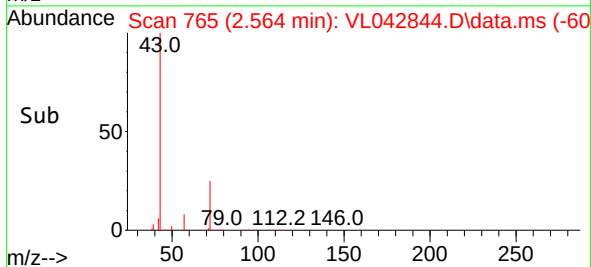
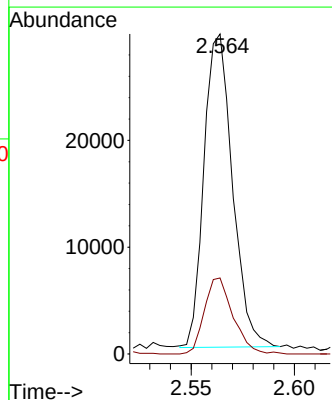
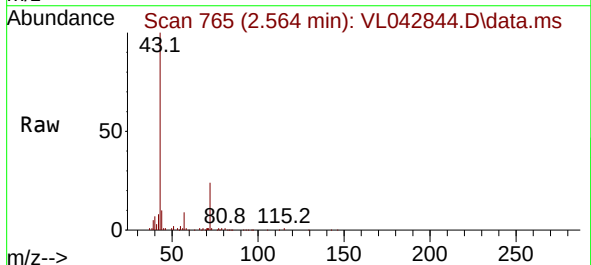
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

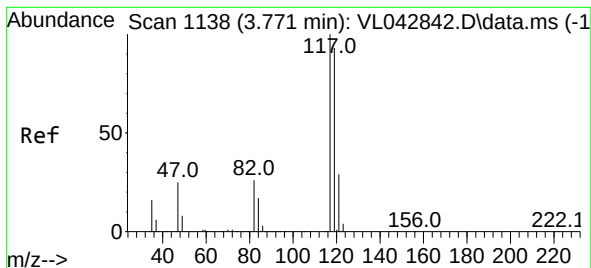
Tgt Ion:114 Resp: 400305
Ion Ratio Lower Upper
114 100
63 24.6 19.7 29.5
88 17.9 14.4 21.6



#34
2-Butanone
Concen: 1.040 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 43 Resp: 28105
Ion Ratio Lower Upper
43 100
72 24.4 18.6 28.0





#35

Carbon Tetrachloride

Concen: 1.015 ppbv

RT: 3.768 min Scan# 1137

Delta R.T. -0.003 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

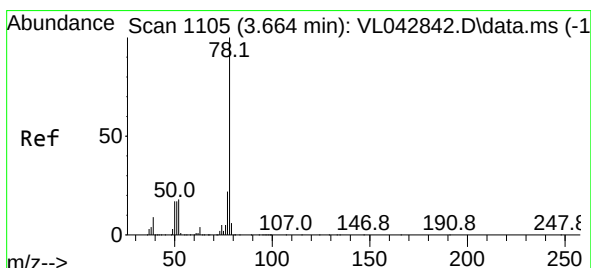
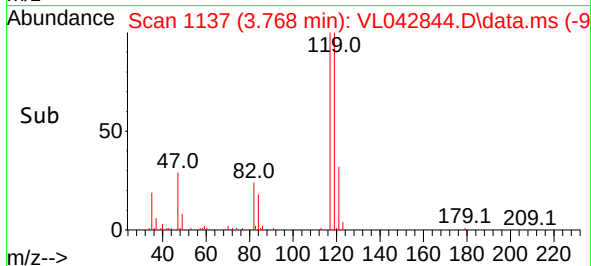
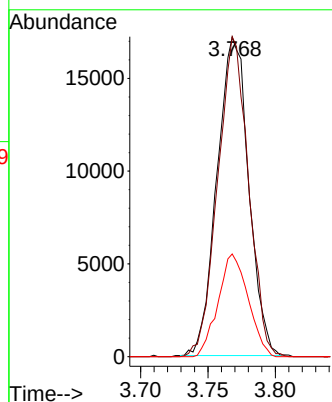
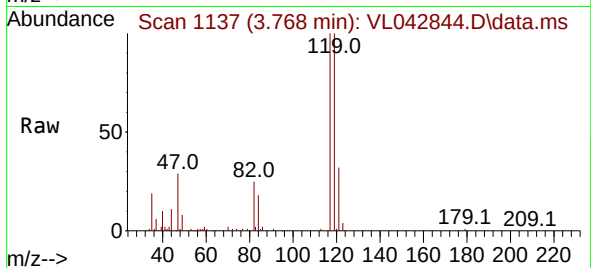
Tgt Ion:117 Resp: 28008

Ion Ratio Lower Upper

117 100

119 100.5 74.7 112.1

121 32.3 23.2 34.8



#36

Benzene

Concen: 1.021 ppbv

RT: 3.661 min Scan# 1104

Delta R.T. -0.003 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

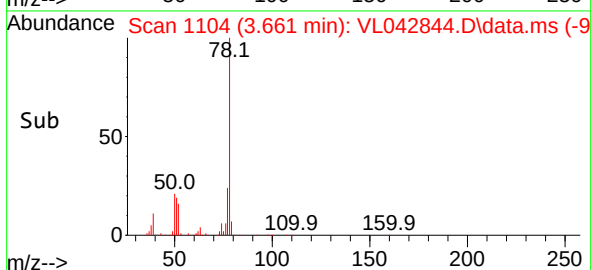
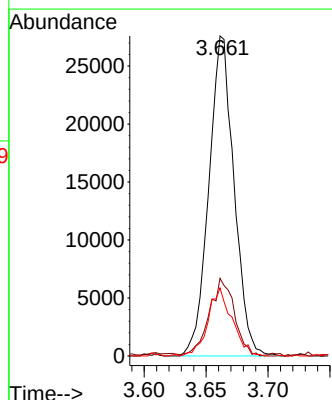
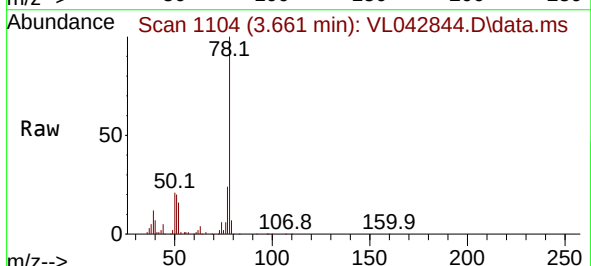
Tgt Ion: 78 Resp: 39137

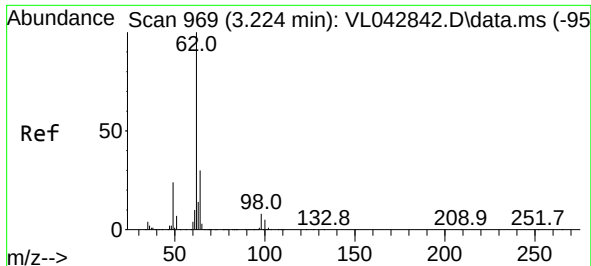
Ion Ratio Lower Upper

78 100

77 23.8 17.7 26.5

50 21.1 13.9 20.9#





#37

1,2-Dichloroethane

Concen: 1.031 ppbv

RT: 3.224 min Scan# 9

Delta R.T. 0.000 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

Instrument :

MSVOA_L

ClientSampleId :

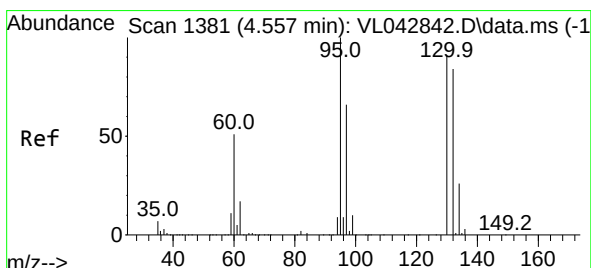
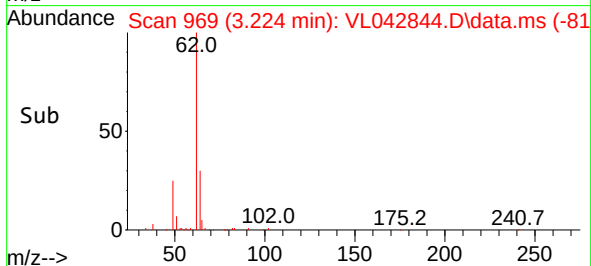
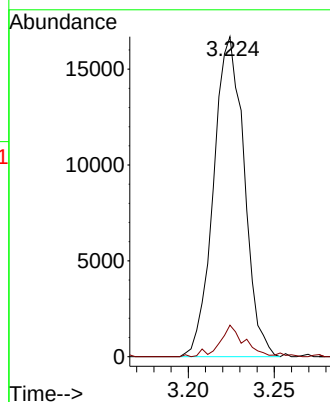
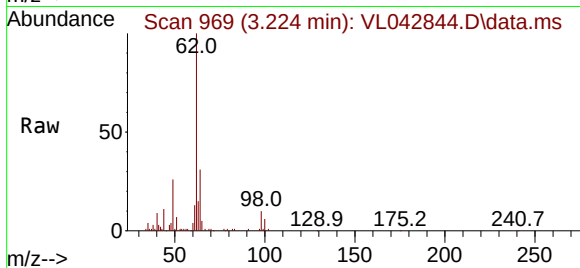
VSTDIC001

Tgt Ion: 62 Resp: 20645

Ion Ratio Lower Upper

62 100

98 8.4 5.9 8.9



#38

Trichloroethene

Concen: 1.024 ppbv

RT: 4.555 min Scan# 1380

Delta R.T. -0.003 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

Tgt Ion:130 Resp: 17921

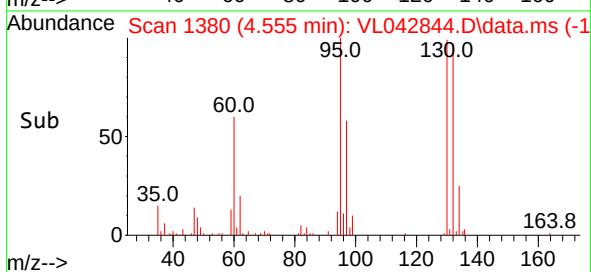
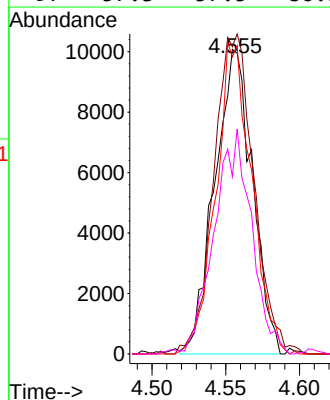
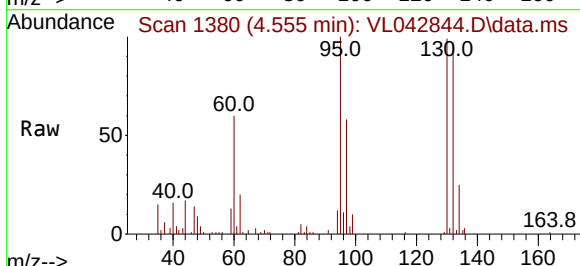
Ion Ratio Lower Upper

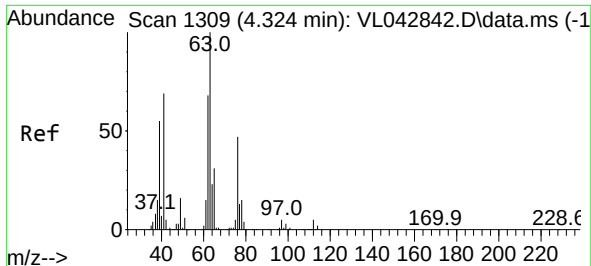
130 100

95 97.9 87.6 131.4

132 96.6 73.8 110.8

97 57.3 57.5 86.3#





#39

1,2-Dichloropropane

Concen: 0.469 ppbv

RT: 4.325 min Scan# 1309

Delta R.T. 0.000 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

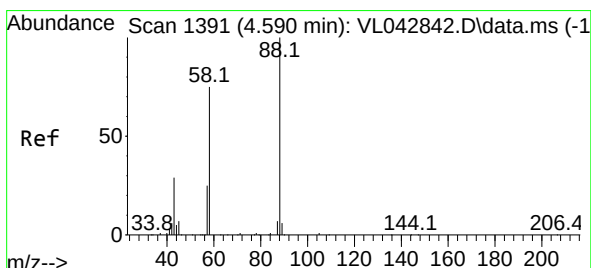
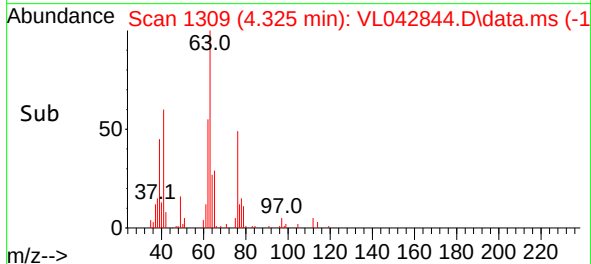
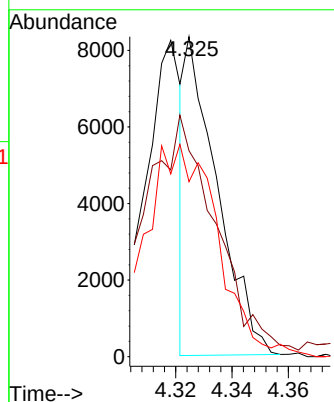
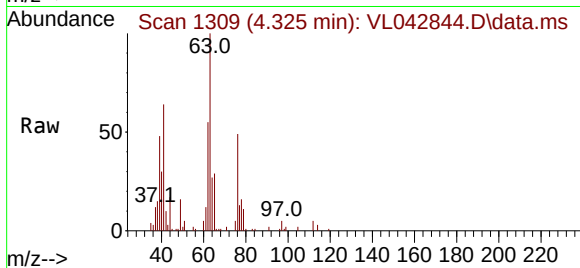
Tgt Ion: 63 Resp: 6572

Ion Ratio Lower Upper

63 100

41 61.3 55.0 82.4

62 51.1 54.4 81.6#



#40

1,4-Dioxane

Concen: 0.599 ppbv

RT: 4.603 min Scan# 1395

Delta R.T. 0.013 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

Tgt Ion: 88 Resp: 3925

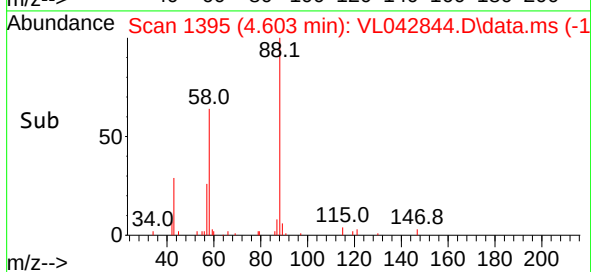
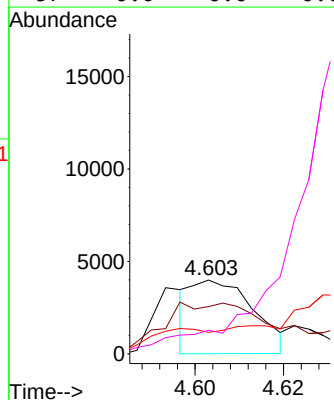
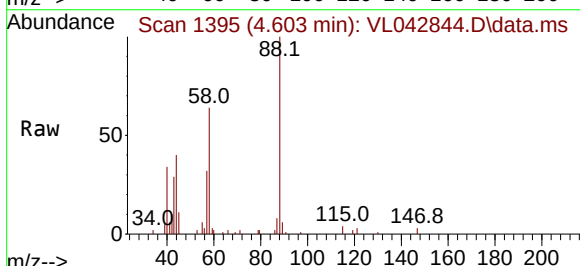
Ion Ratio Lower Upper

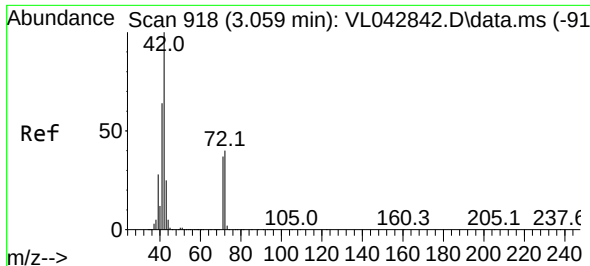
88 100

58 0.0 53.8 80.6#

43 0.0 22.8 34.2#

57 0.0 0.0 0.0

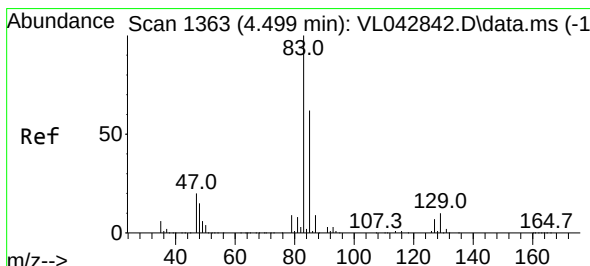
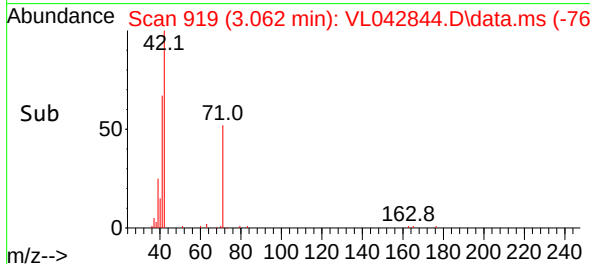
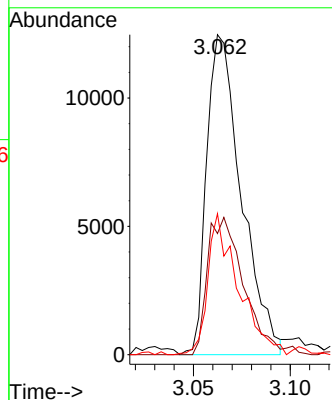
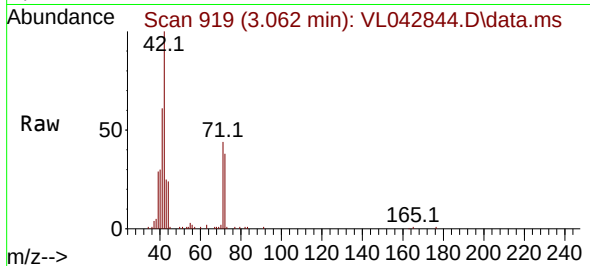




#41
Tetrahydrofuran
Concen: 1.032 ppbv
RT: 3.062 min Scan# 918
Delta R.T. 0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

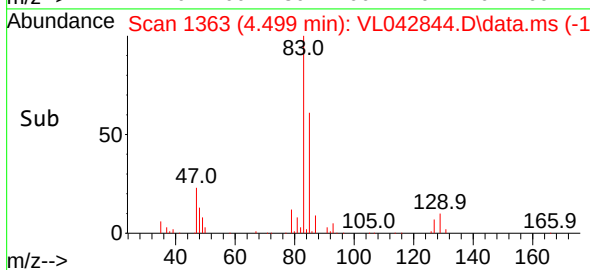
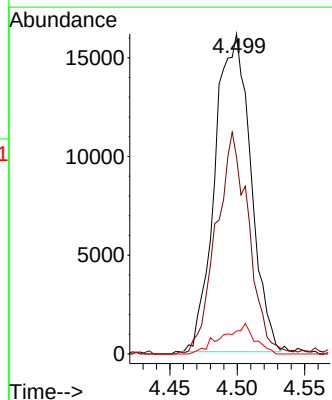
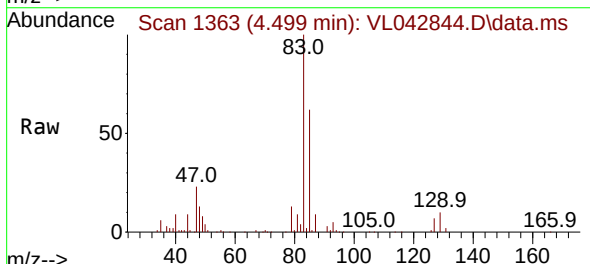
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

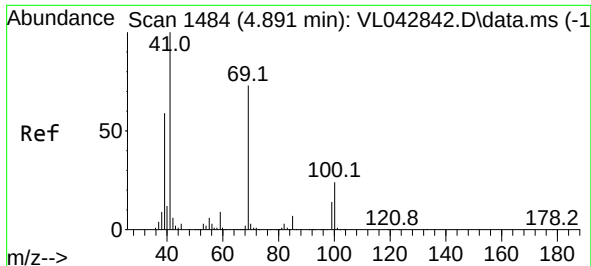
Tgt Ion: 42 Resp: 15552
Ion Ratio Lower Upper
42 100
72 45.4 32.6 48.8
71 40.1 30.0 45.0



#42
Bromodichloromethane
Concen: 0.995 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 83 Resp: 29683
Ion Ratio Lower Upper
83 100
85 61.3 49.8 74.8
127 7.2 5.8 8.6





#43

Methyl Methacrylate

Concen: 0.349 ppbv

RT: 4.898 min Scan# 1486

Delta R.T. 0.007 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

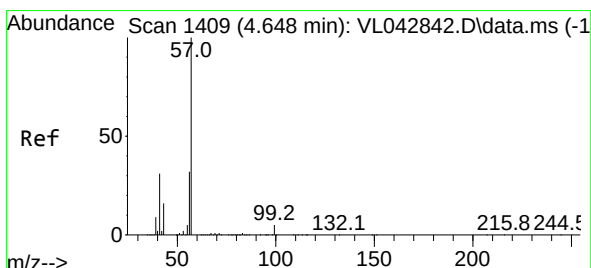
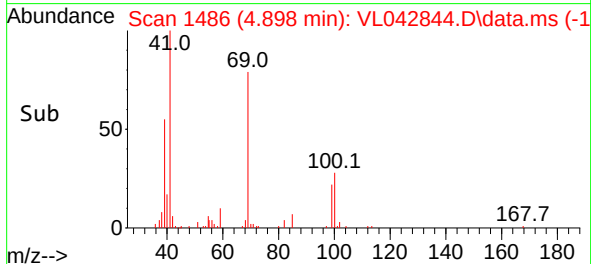
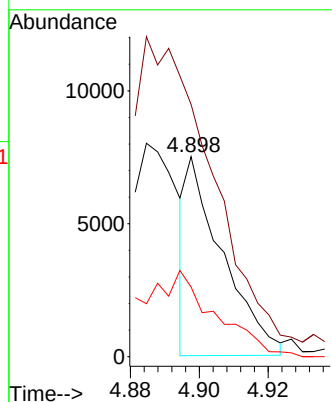
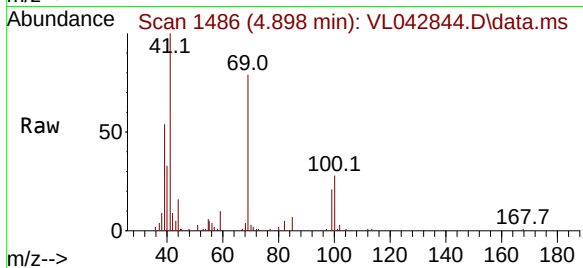
Tgt Ion: 69 Resp: 5494

Ion Ratio Lower Upper

69 100

41 0.0 114.6 172.0#

100 102.7 30.2 45.4#



#44

2,2,4-Trimethylpentane

Concen: 1.009 ppbv

RT: 4.645 min Scan# 1408

Delta R.T. -0.003 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

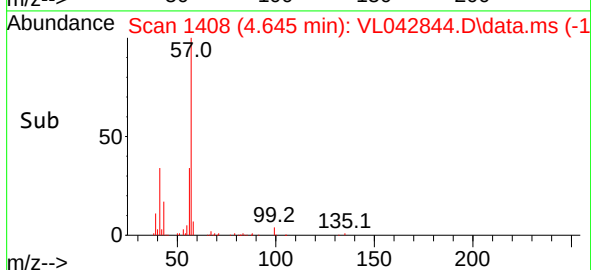
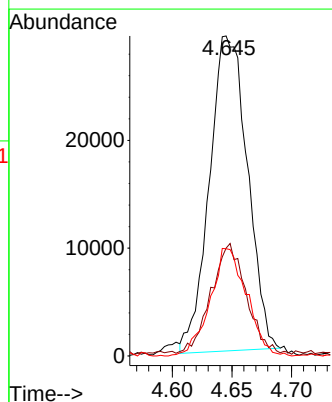
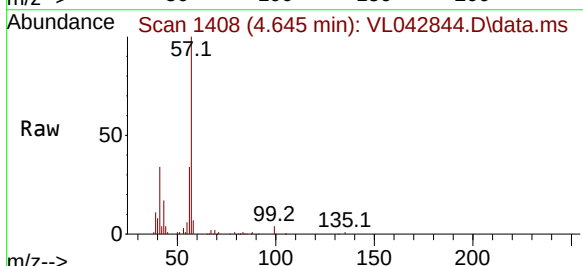
Tgt Ion: 57 Resp: 64930

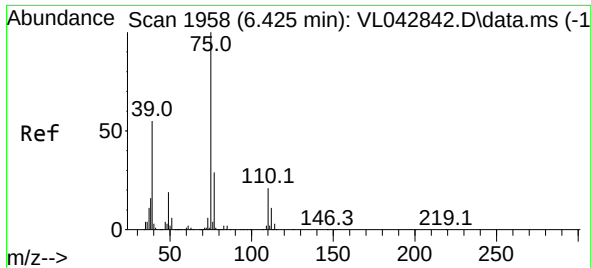
Ion Ratio Lower Upper

57 100

41 34.6 24.8 37.2

56 33.2 25.5 38.3

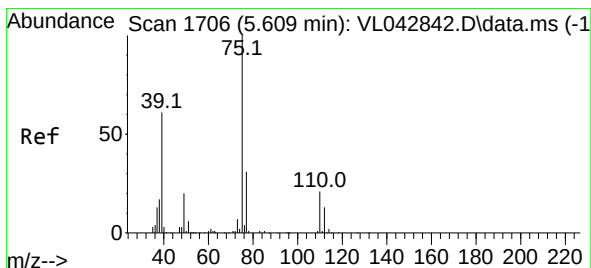
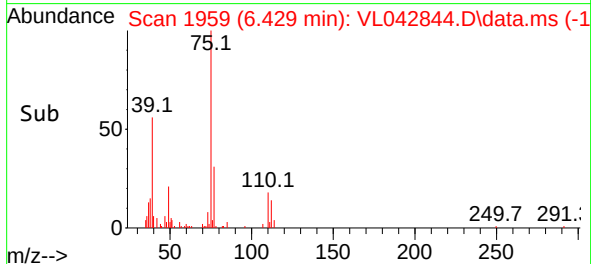
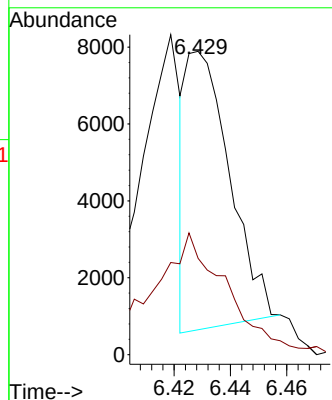
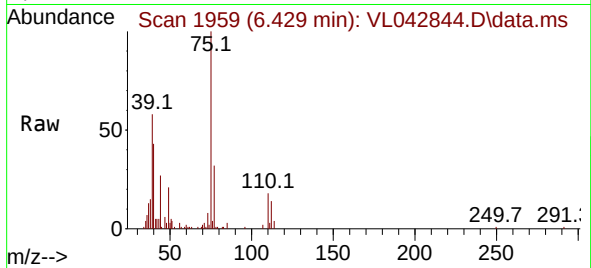




#45
 t-1,3-Dichloropropene
 Concen: 0.434 ppbv
 RT: 6.429 min Scan# 1958
 Delta R.T. 0.003 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

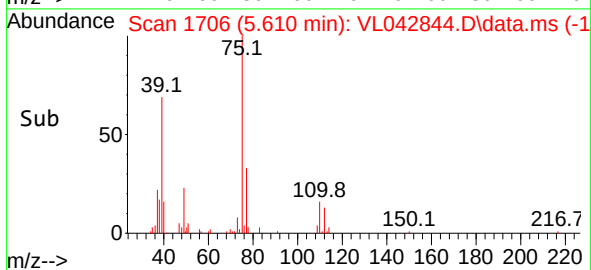
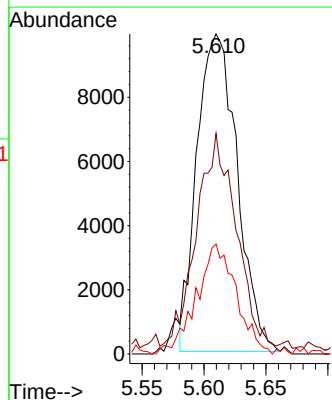
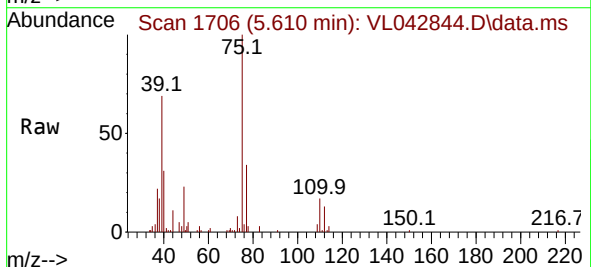
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

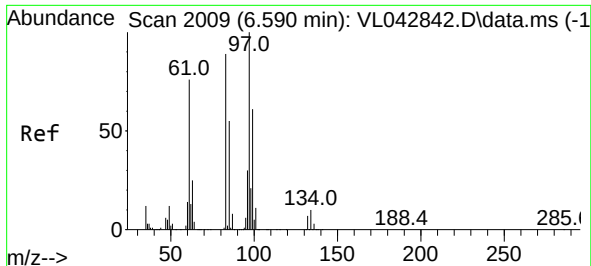
Tgt Ion: 75 Resp: 7736
 Ion Ratio Lower Upper
 75 100
 77 31.8 23.8 35.6



#46
 cis-1,3-Dichloropropene
 Concen: 0.999 ppbv
 RT: 5.610 min Scan# 1706
 Delta R.T. 0.000 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

Tgt Ion: 75 Resp: 22372
 Ion Ratio Lower Upper
 75 100
 39 66.4 48.9 73.3
 77 33.8 24.9 37.3

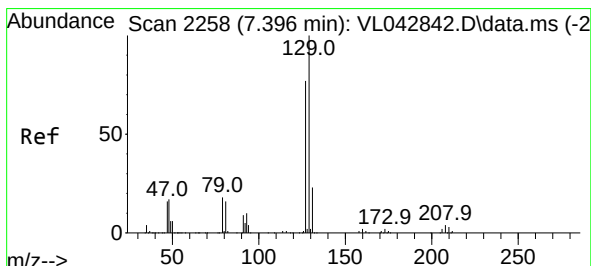
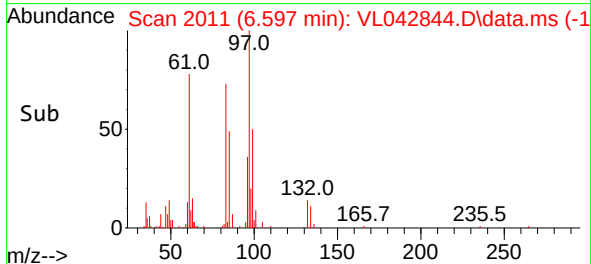
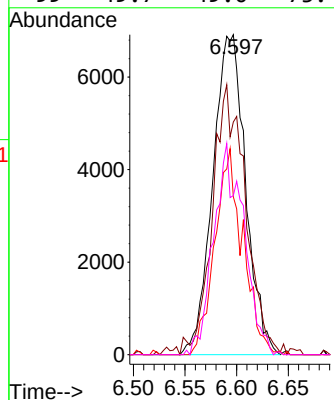
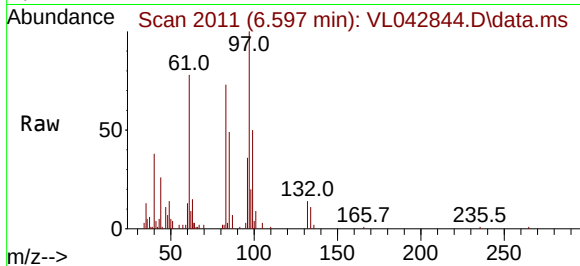




#47
1,1,2-Trichloroethane
Concen: 1.032 ppbv
RT: 6.597 min Scan# 2009
Delta R.T. 0.007 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

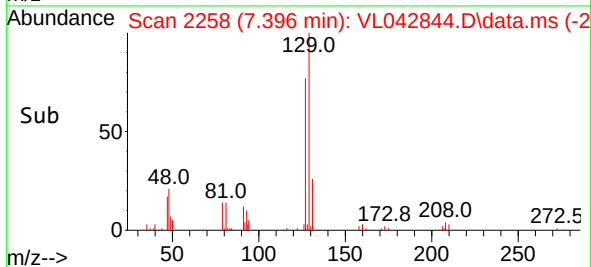
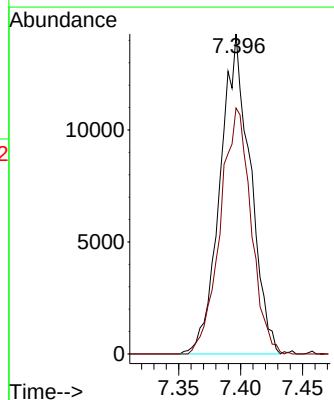
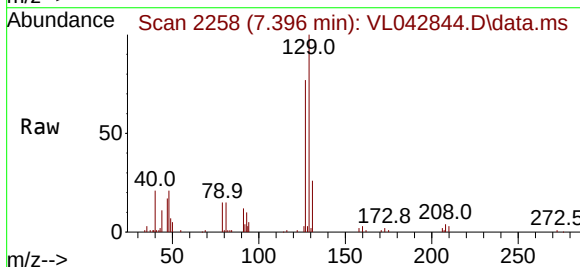
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

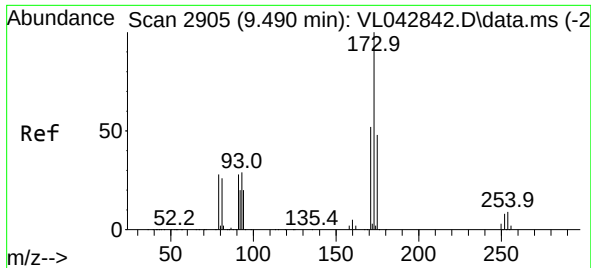
Tgt Ion:	97	Resp:	15295
Ion	Ratio	Lower	Upper
97	100		
83	72.7	71.0	106.4
85	49.4	43.6	65.4
99	49.7	49.0	73.4



#48
Dibromochloromethane
Concen: 1.009 ppbv
RT: 7.396 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:	129	Resp:	24214
Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.4	118.2





#49

Bromoform

Concen: 1.040 ppbv

RT: 9.490 min Scan# 2905

Delta R.T. 0.000 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

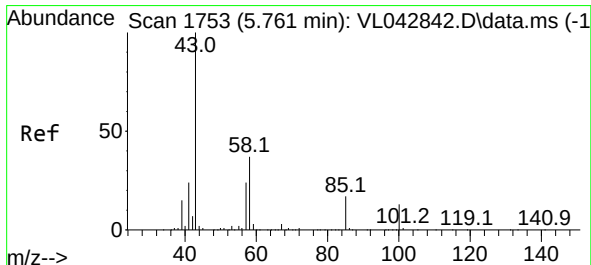
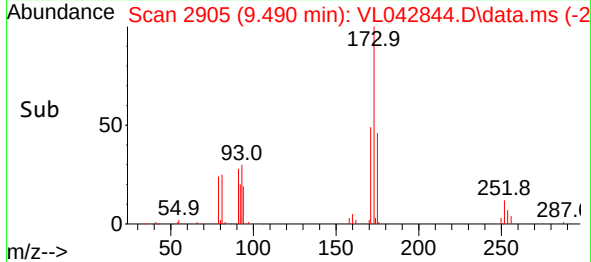
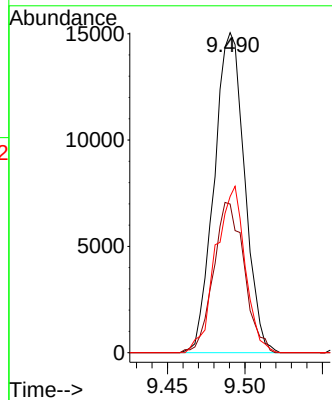
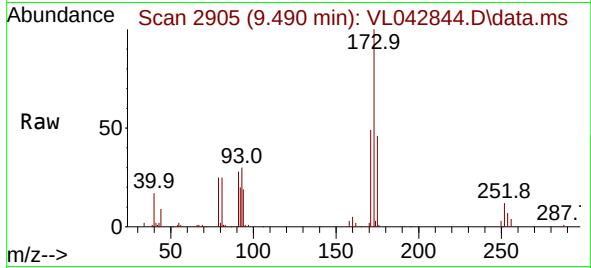
Tgt Ion:173 Resp: 20579

Ion Ratio Lower Upper

173 100

175 47.3 39.2 58.8

171 50.3 41.3 61.9



#50

4-Methyl-2-Pentanone

Concen: 1.001 ppbv

RT: 5.768 min Scan# 1755

Delta R.T. 0.007 min

Lab File: VL042844.D

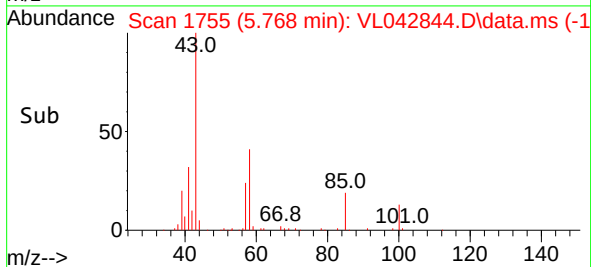
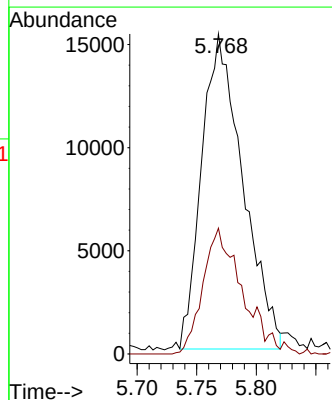
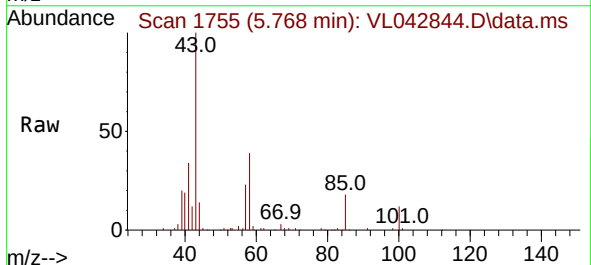
Acq: 13 Aug 2025 09:41

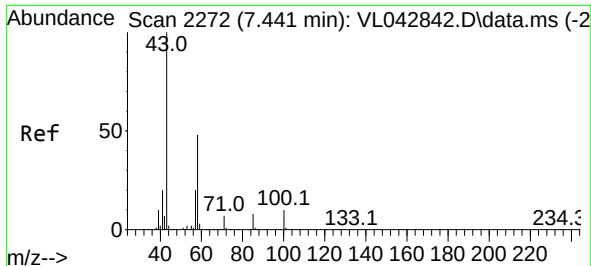
Tgt Ion: 43 Resp: 36710

Ion Ratio Lower Upper

43 100

58 38.3 29.8 44.8

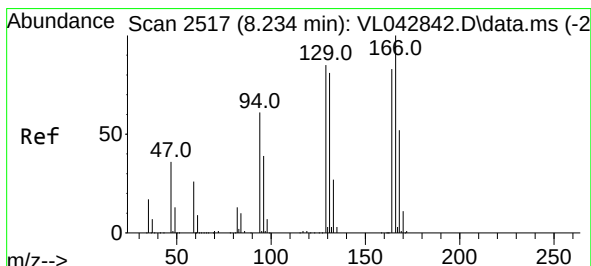
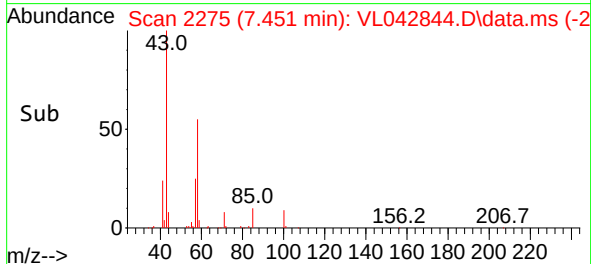
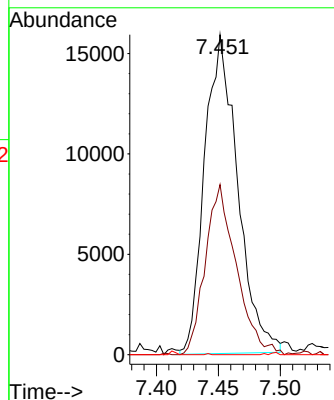
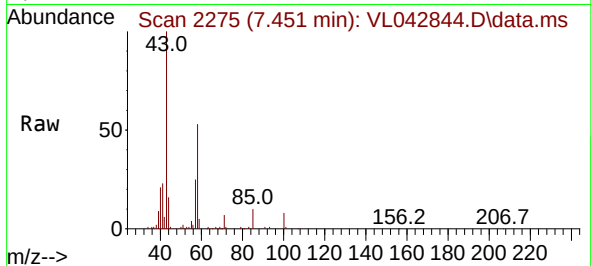




#51
2-Hexanone
Concen: 1.026 ppbv
RT: 7.451 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

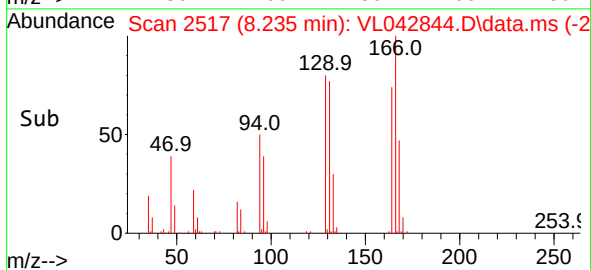
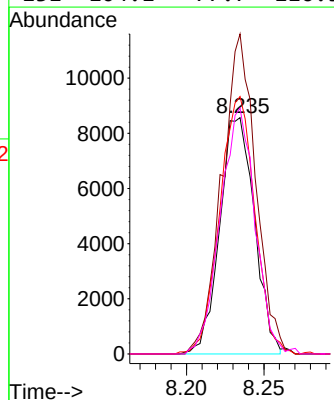
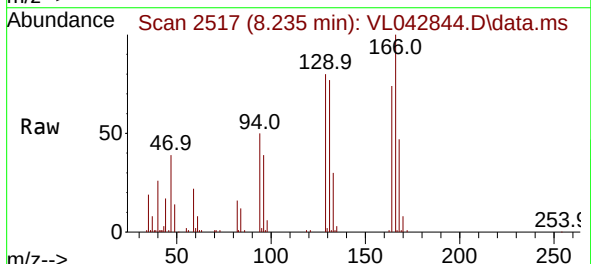
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

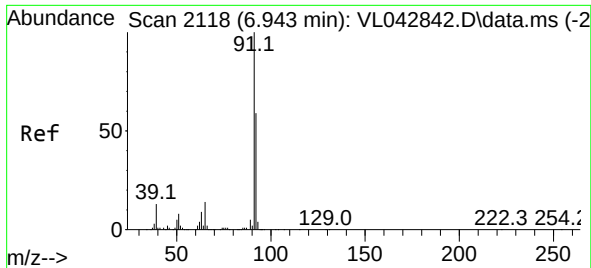
Tgt Ion: 43 Resp: 29487
Ion Ratio Lower Upper
43 100
58 50.6 41.0 61.6
98 0.2 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.960 ppbv
RT: 8.235 min Scan# 2517
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 164 Resp: 13322
Ion Ratio Lower Upper
164 100
166 135.4 96.5 144.7
129 110.5 81.8 122.6
131 104.1 77.7 116.5

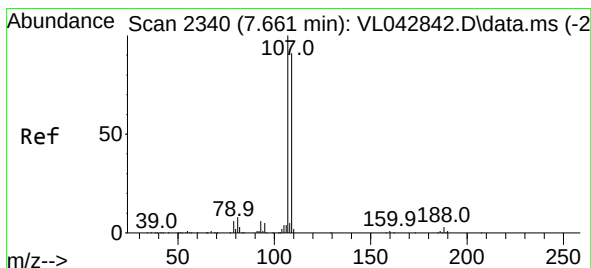
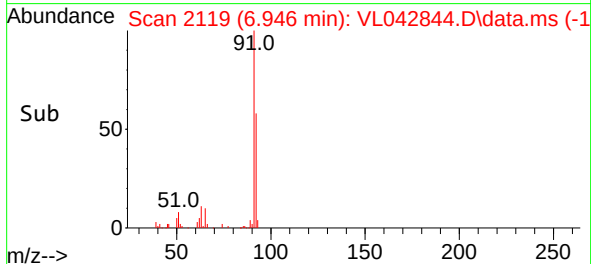
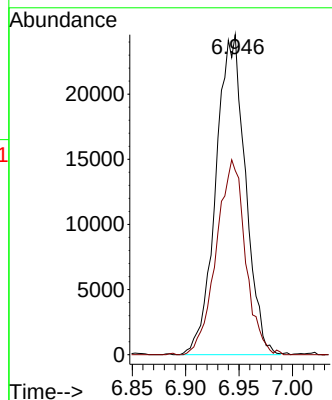
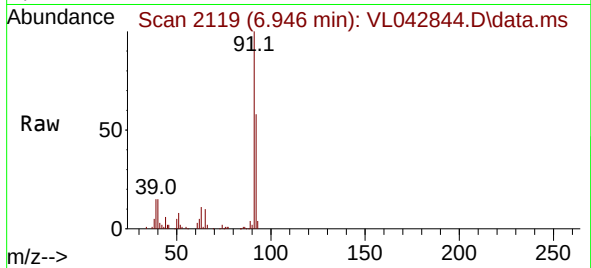




#53
Toluene
Concen: 1.036 ppbv
RT: 6.946 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

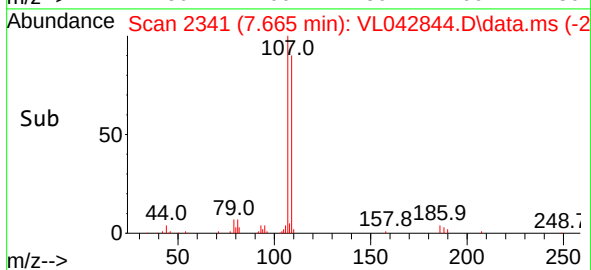
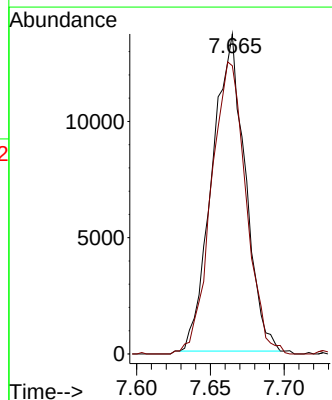
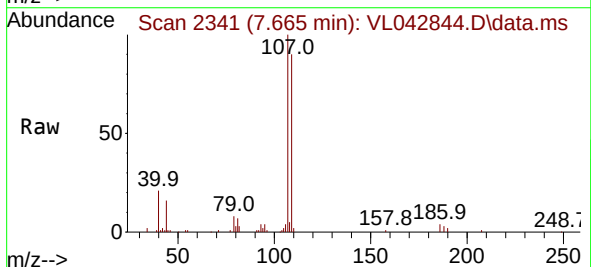
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

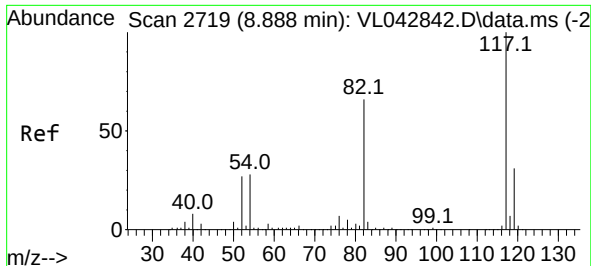
Tgt Ion: 91 Resp: 47256
Ion Ratio Lower Upper
91 100
92 60.1 47.8 71.6



#54
1,2-Dibromoethane
Concen: 0.982 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 107 Resp: 21280
Ion Ratio Lower Upper
107 100
109 89.9 72.5 108.7

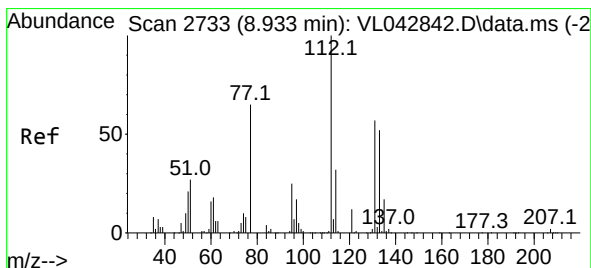
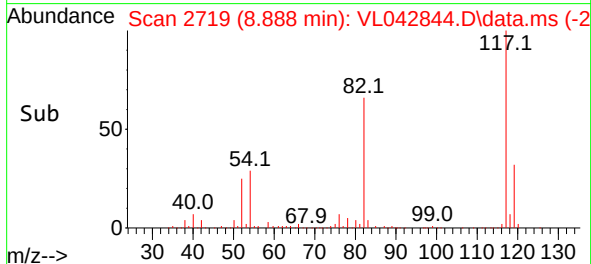
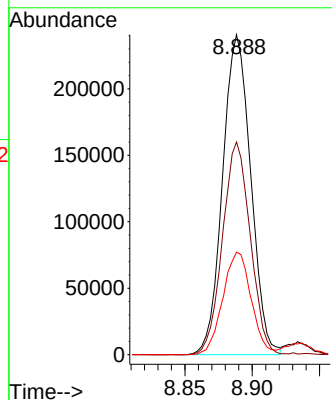
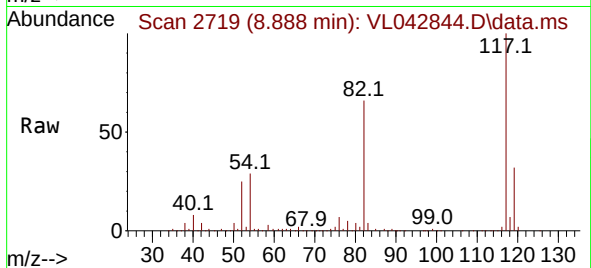




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

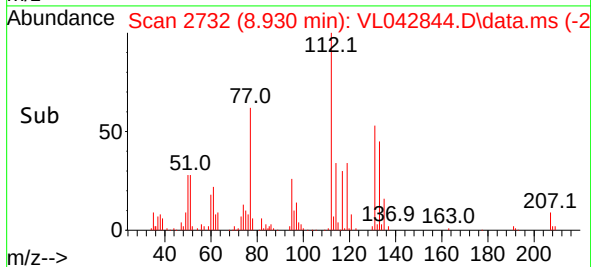
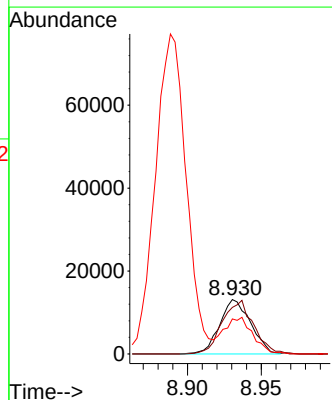
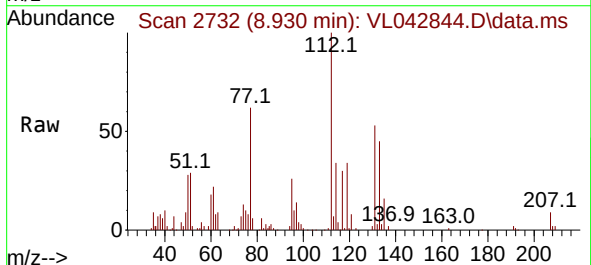
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

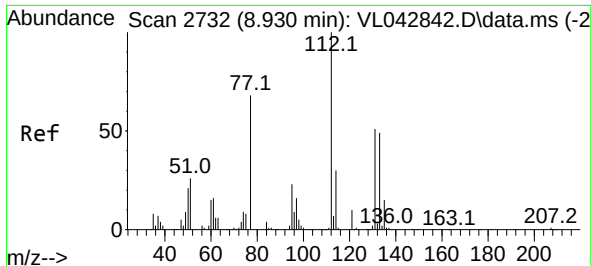
Tgt Ion:117 Resp: 349577
Ion Ratio Lower Upper
117 100
82 65.9 54.6 81.8
119 32.9 25.9 38.9



#56
1,1,1,2-Tetrachloroethane
Concen: 1.061 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:131 Resp: 19176
Ion Ratio Lower Upper
131 100
133 99.8 77.4 116.0
119 59.0 51.2 76.8

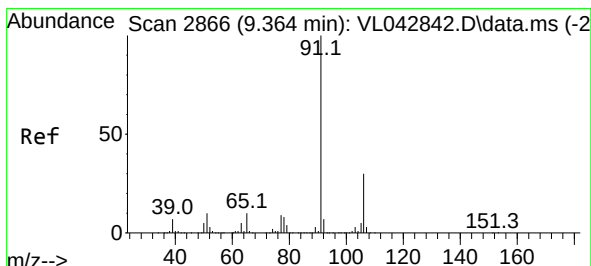
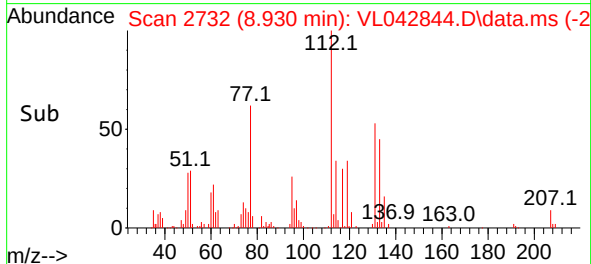
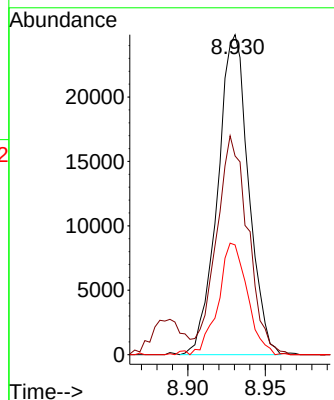
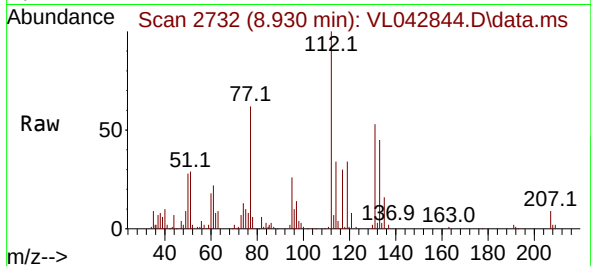




#57
Chlorobenzene
Concen: 1.041 ppbv
RT: 8.930 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

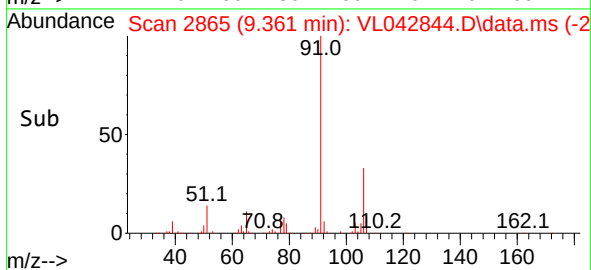
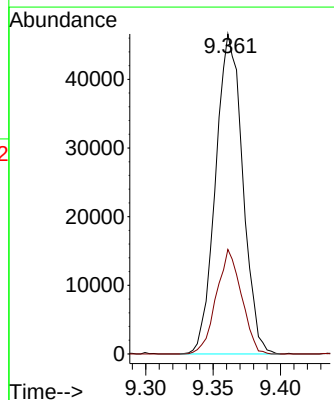
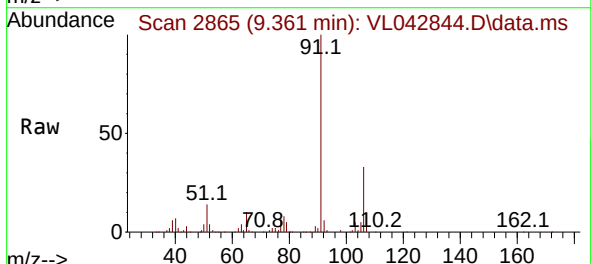
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

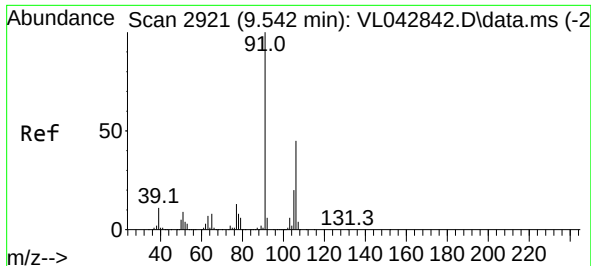
Tgt Ion:112 Resp: 34617
Ion Ratio Lower Upper
112 100
77 61.0 55.5 83.3
114 34.0 27.2 33.2#



#58
Ethyl Benzene
Concen: 1.057 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 91 Resp: 65223
Ion Ratio Lower Upper
91 100
106 32.7 23.9 35.9





#59

m/p-Xylene

Concen: 1.108 ppbv

RT: 9.539 min Scan# 2921

Delta R.T. -0.003 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

Instrument :

MSVOA_1

ClientSampleId :

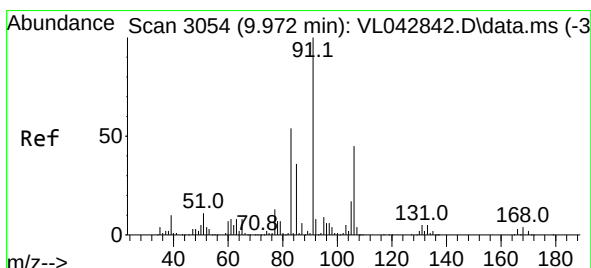
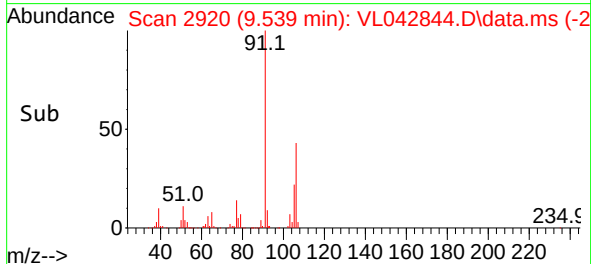
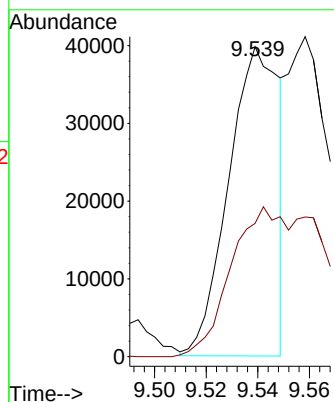
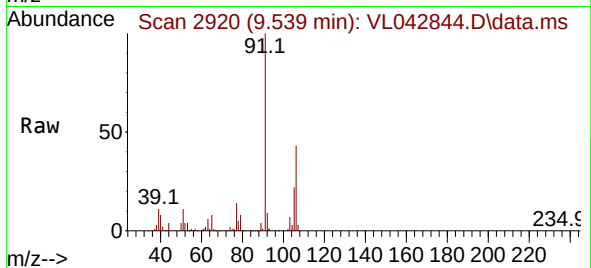
VSTDIC001

Tgt Ion: 91 Resp: 53658

Ion Ratio Lower Upper

91 100

106 88.3 0.0 0.0#



#60

o-Xylene

Concen: 1.058 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. -0.003 min

Lab File: VL042844.D

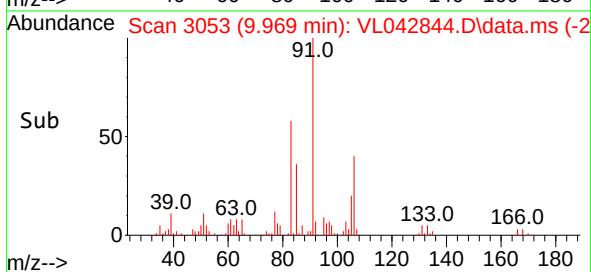
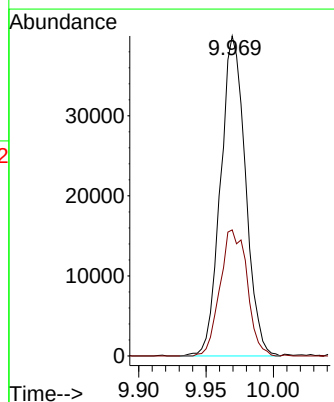
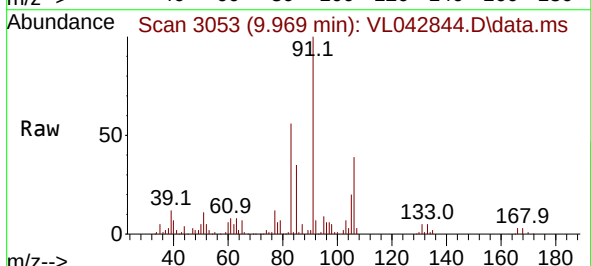
Acq: 13 Aug 2025 09:41

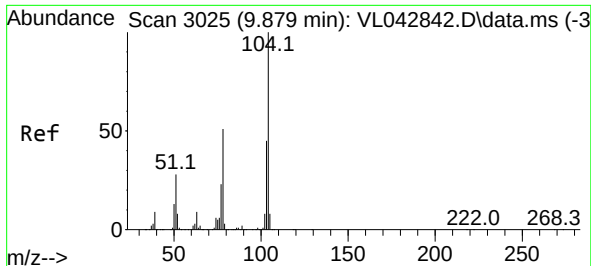
Tgt Ion: 91 Resp: 51445

Ion Ratio Lower Upper

91 100

106 42.8 21.8 65.4

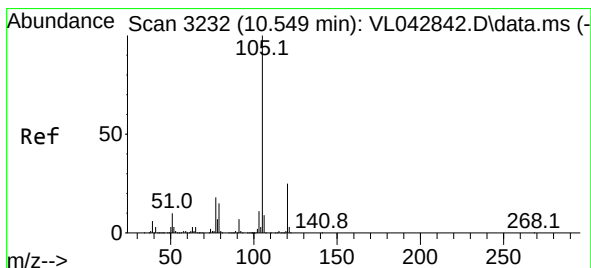
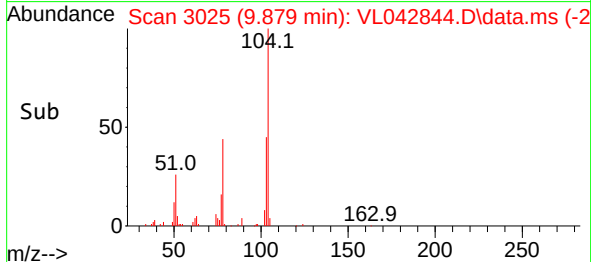
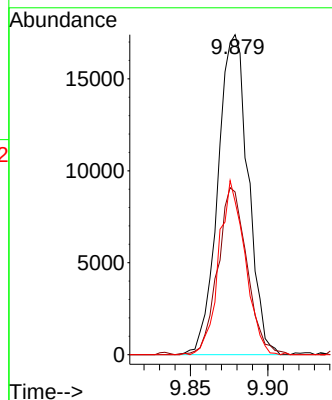
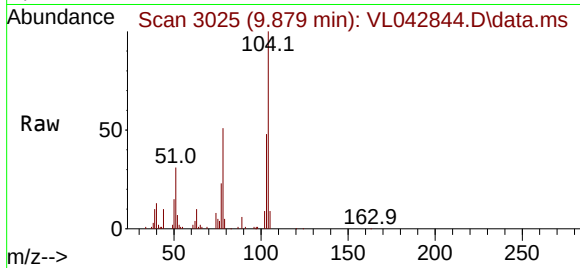




#61
Styrene
Concen: 1.038 ppbv
RT: 9.879 min Scan# 3025
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

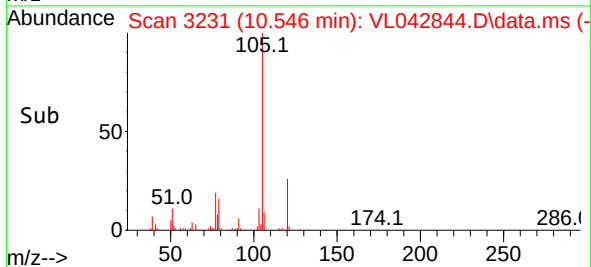
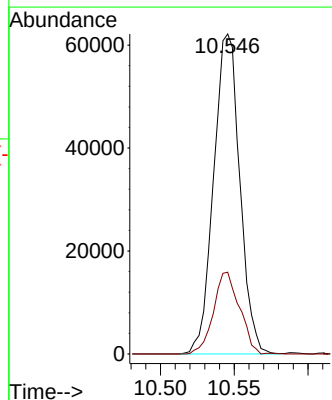
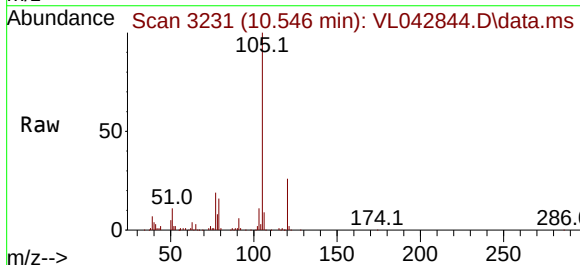
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

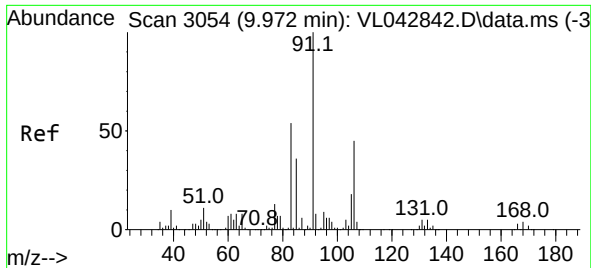
Tgt Ion:104 Resp: 23660
Ion Ratio Lower Upper
104 100
78 50.4 40.6 61.0
103 47.3 37.7 56.5



#62
Isopropylbenzene
Concen: 1.079 ppbv
RT: 10.546 min Scan# 3231
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:105 Resp: 76708
Ion Ratio Lower Upper
105 100
120 25.4 20.6 30.8

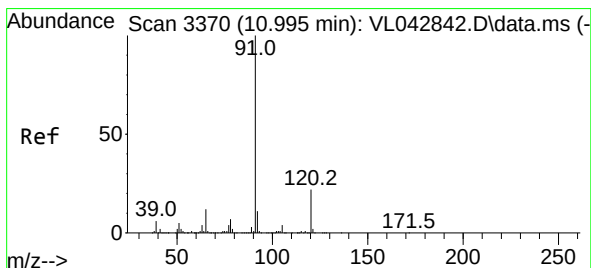
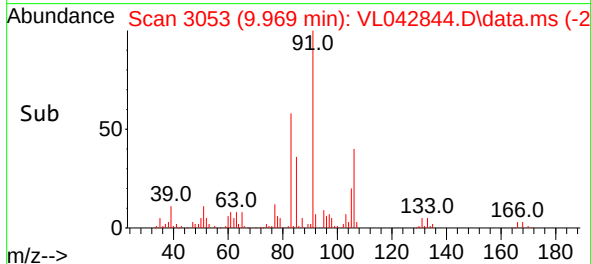
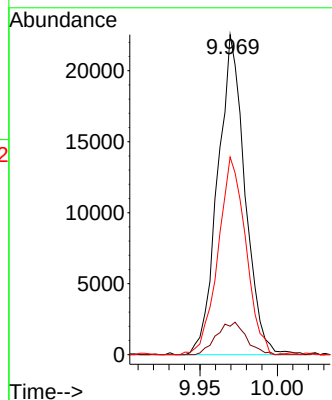
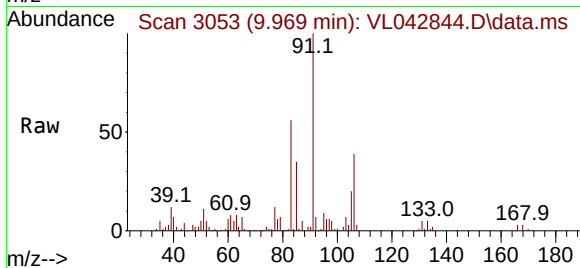




#63
1,1,2,2-Tetrachloroethane
Concen: 1.032 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

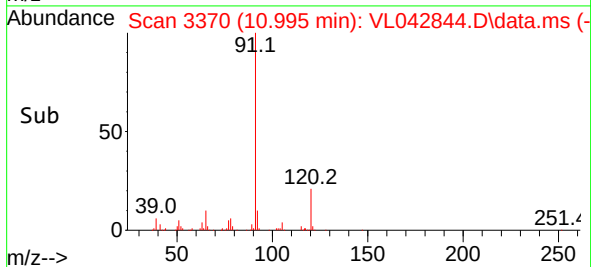
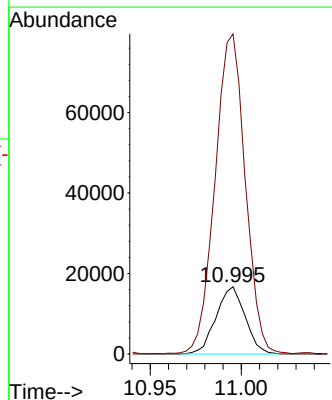
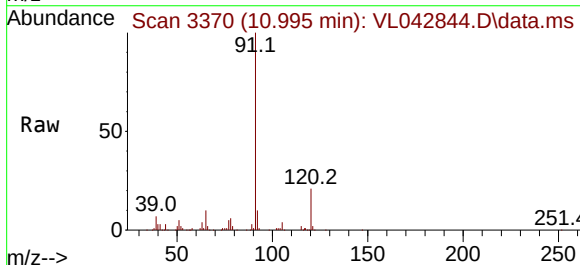
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

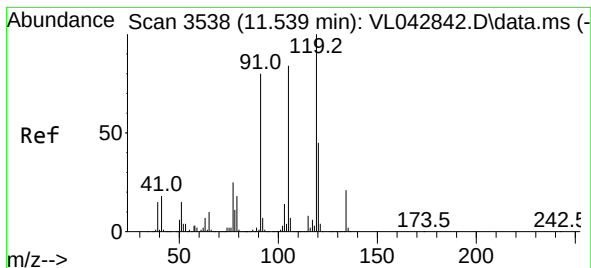
Tgt Ion: 83 Resp: 27410
Ion Ratio Lower Upper
83 100
131 11.2 4.8 14.3
85 63.5 32.3 96.8



#64
n-propylbenzene
Concen: 1.018 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.000 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion:120 Resp: 18462
Ion Ratio Lower Upper
120 100
91 496.0 375.8 563.6

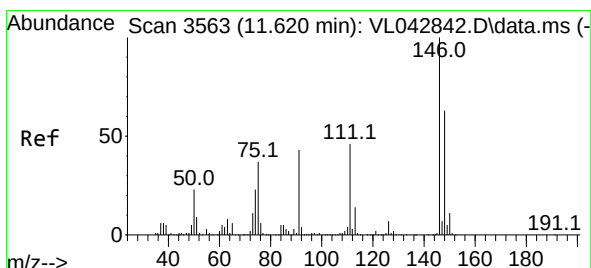
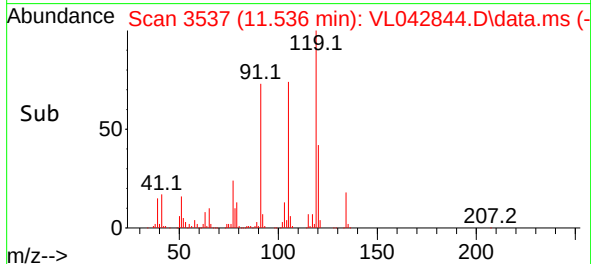
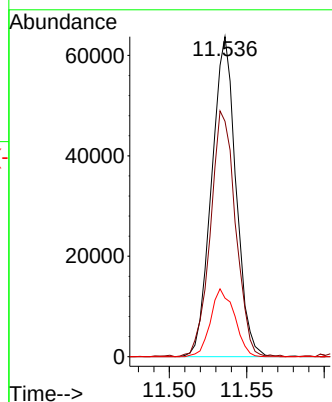
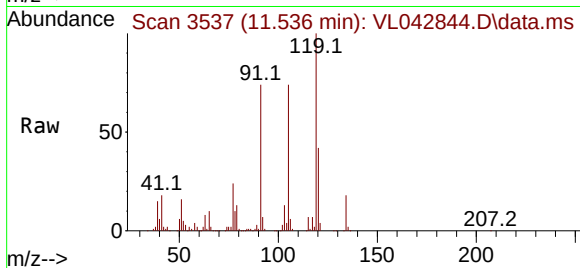




#65
tert-Butylbenzene
Concen: 1.111 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

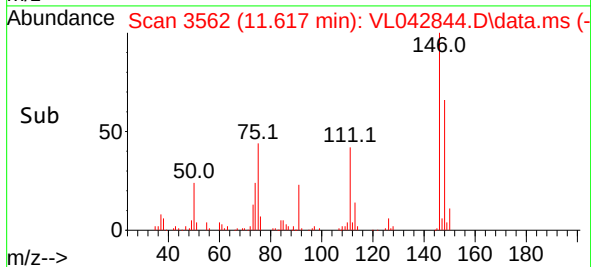
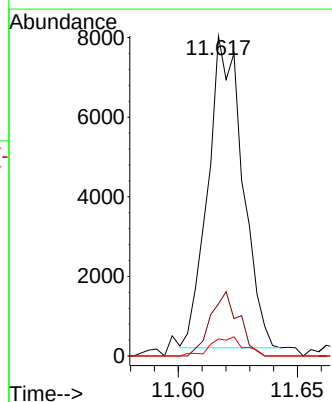
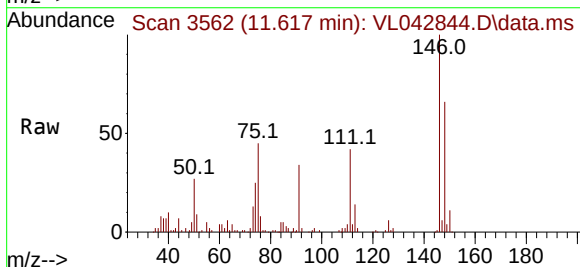
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

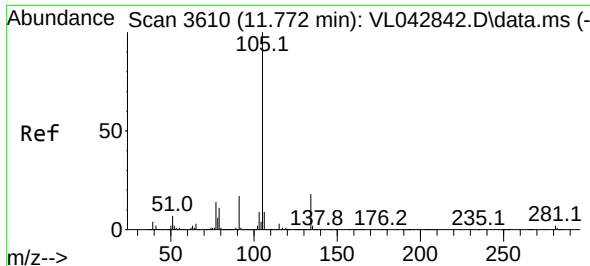
Tgt Ion:119 Resp: 69617
Ion Ratio Lower Upper
119 100
91 79.3 63.9 95.9
134 20.9 17.0 25.4



#66
Benzyl Chloride
Concen: 0.993 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. -0.003 min
Lab File: VL042844.D
Acq: 13 Aug 2025 09:41

Tgt Ion: 91 Resp: 7900
Ion Ratio Lower Upper
91 100
126 16.9 14.2 21.4
128 5.8 5.0 7.6

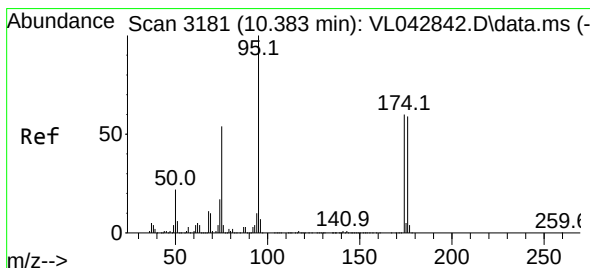
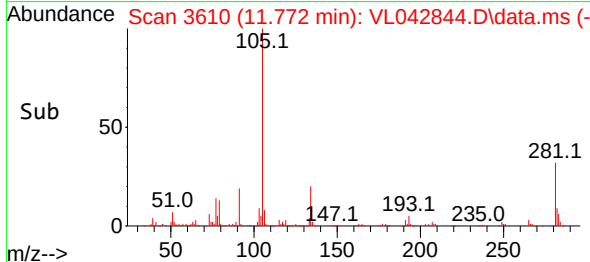
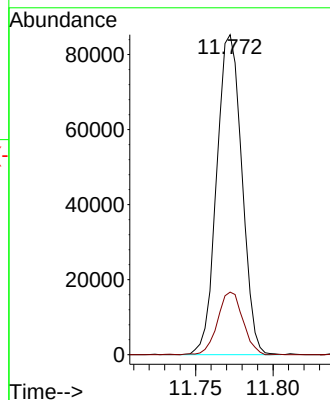
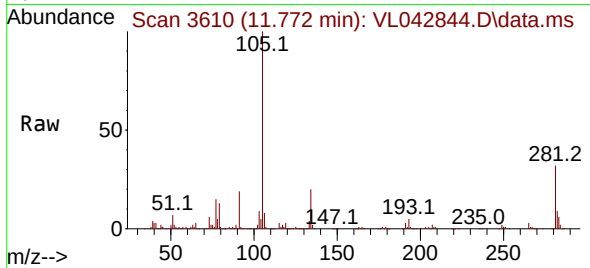




#67
 sec-Butylbenzene
 Concen: 1.095 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. 0.000 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

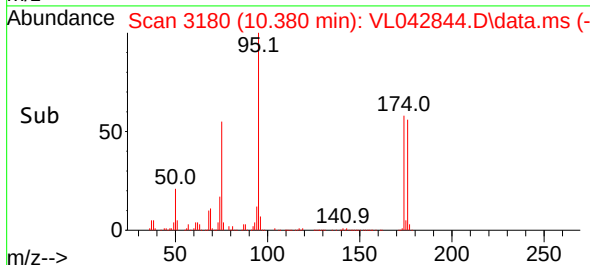
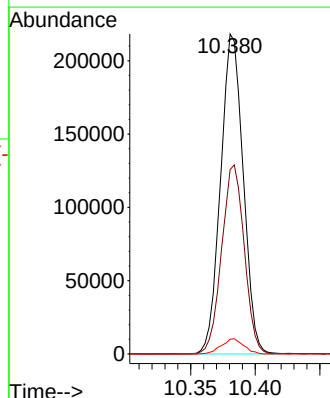
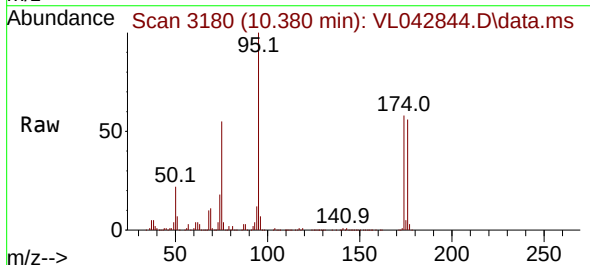
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

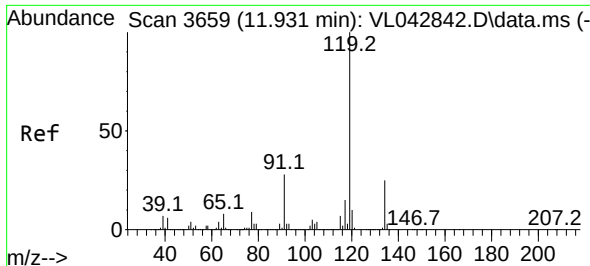
Tgt Ion:105 Resp: 96288
 Ion Ratio Lower Upper
 105 100
 134 19.7 14.9 22.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.135 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. -0.003 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

Tgt Ion: 95 Resp: 265708
 Ion Ratio Lower Upper
 95 100
 174 59.1 48.4 72.6
 175 4.7 3.8 5.8

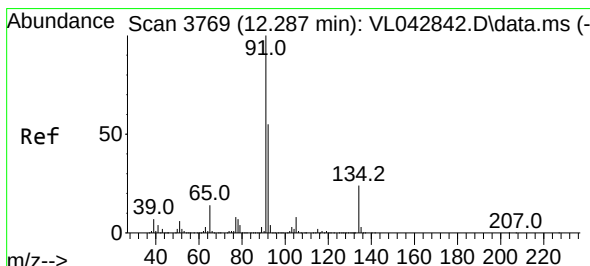
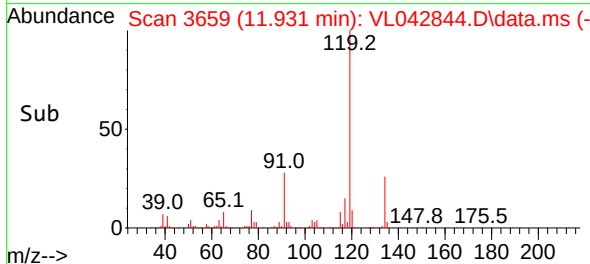
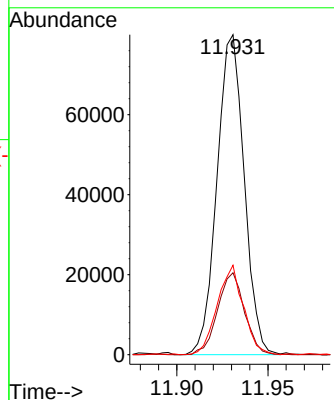
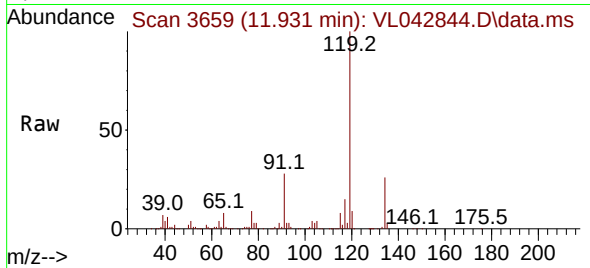




#69
 p-Isopropyltoluene
 Concen: 1.098 ppbv
 RT: 11.931 min Scan# 3659
 Delta R.T. 0.000 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

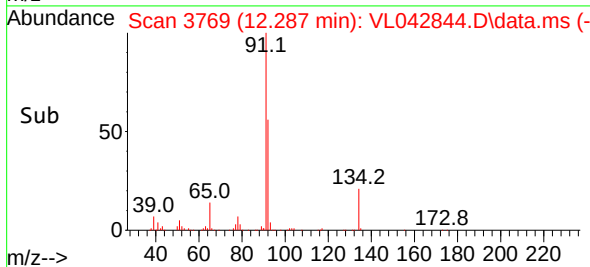
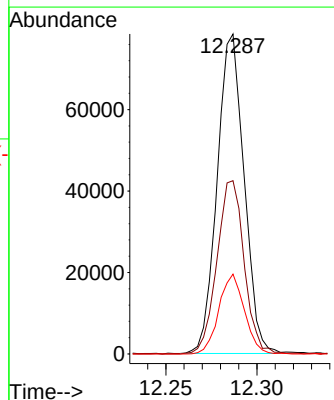
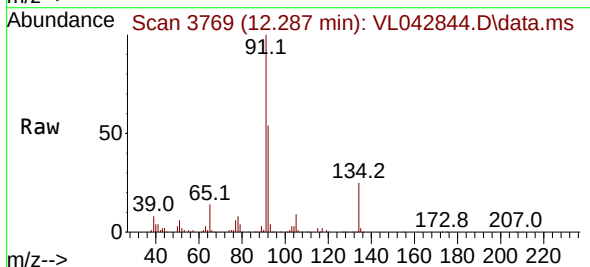
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

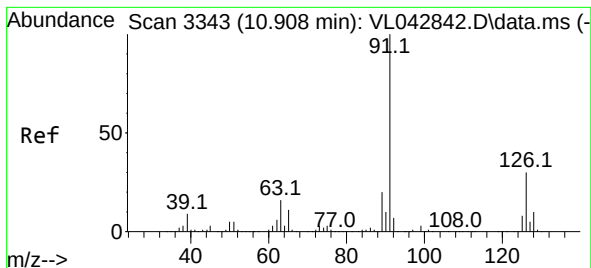
Tgt Ion: 119 Resp: 82934
 Ion Ratio Lower Upper
 119 100
 134 25.3 20.6 30.8
 91 27.2 22.6 34.0



#70
 n-Butylbenzene
 Concen: 1.075 ppbv
 RT: 12.287 min Scan# 3769
 Delta R.T. 0.000 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

Tgt Ion: 91 Resp: 80511
 Ion Ratio Lower Upper
 91 100
 92 55.2 44.6 66.8
 134 23.7 19.0 28.4





#71

2-Chlorotoluene

Concen: 1.089 ppbv

RT: 10.908 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

Instrument :

MSVOA_L

ClientSampleId :

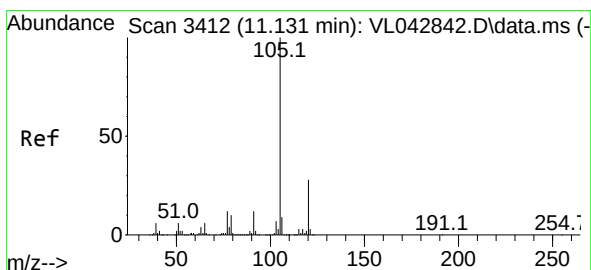
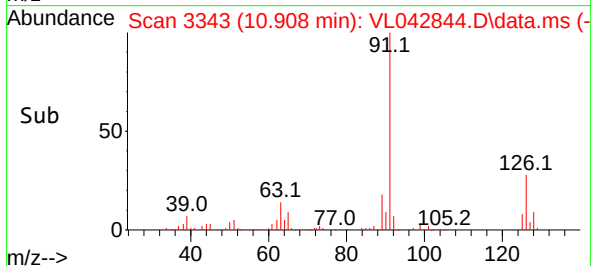
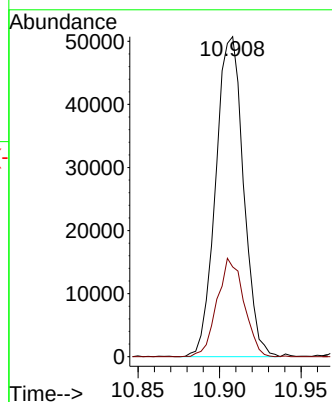
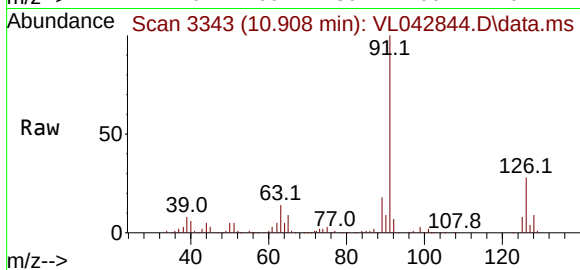
VSTDIC001

Tgt Ion: 91 Resp: 60086

Ion Ratio Lower Upper

91 100

126 29.7 12.0 47.8



#72

4-Ethyltoluene

Concen: 1.071 ppbv

RT: 11.131 min Scan# 3412

Delta R.T. 0.000 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

Tgt Ion: 105 Resp: 63147

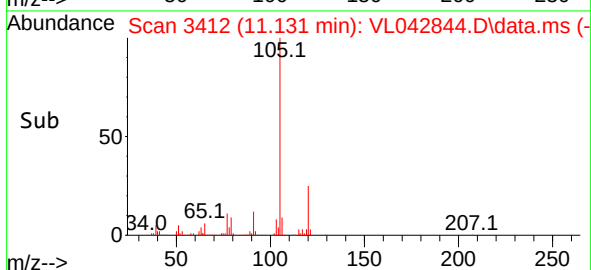
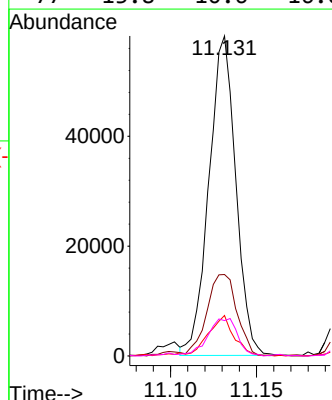
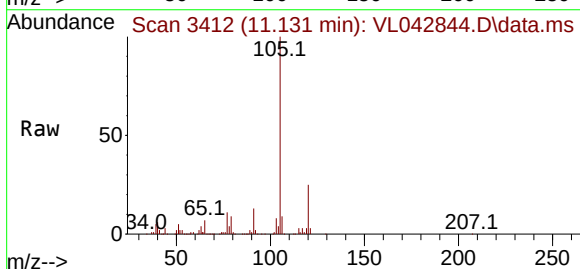
Ion Ratio Lower Upper

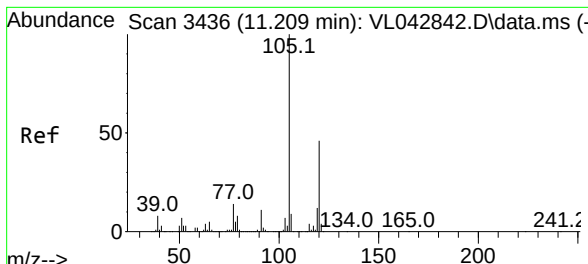
105 100

120 29.9 23.4 35.2

91 13.0 9.8 14.6

77 13.8 10.6 16.0

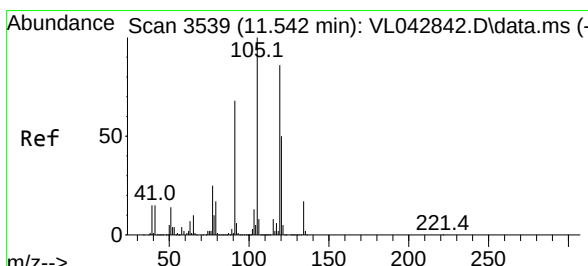
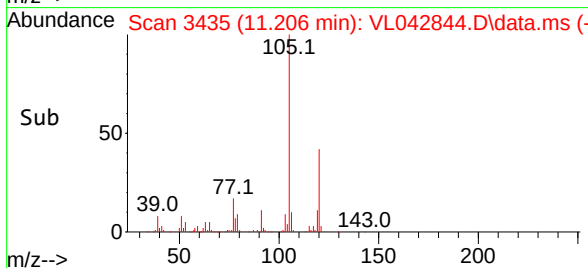
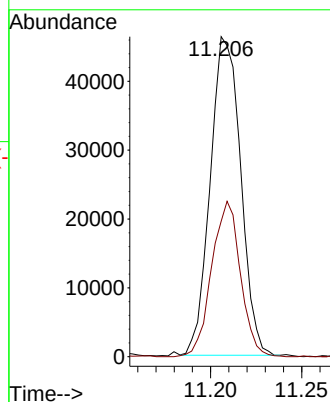
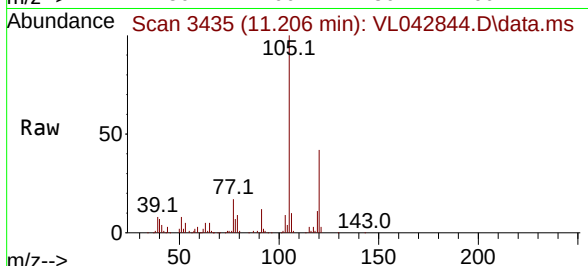




#73
 1,3,5-Trimethylbenzene
 Concen: 1.070 ppbv
 RT: 11.206 min Scan# 3436
 Delta R.T. -0.003 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

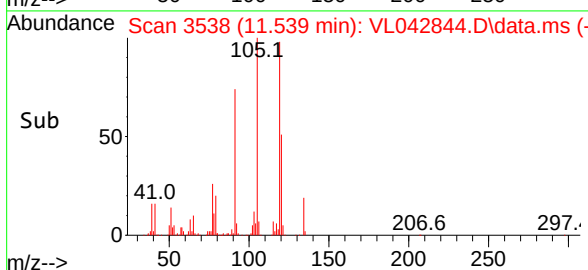
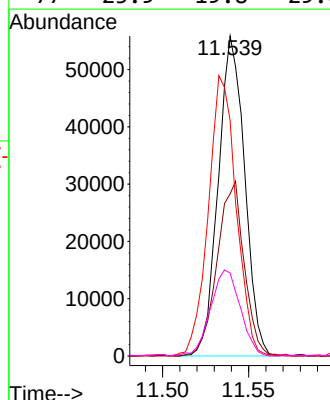
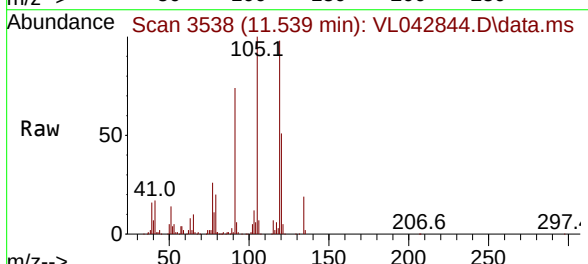
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

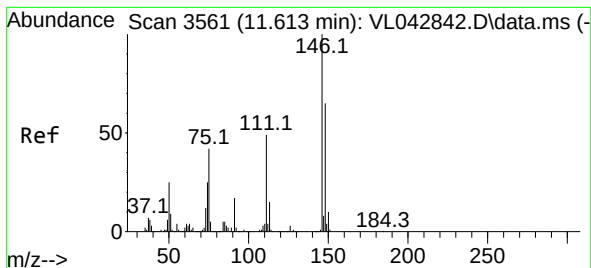
Tgt Ion:105 Resp: 53676
 Ion Ratio Lower Upper
 105 100
 120 42.3 36.6 54.8



#74
 1,2,4-Trimethylbenzene
 Concen: 1.083 ppbv
 RT: 11.539 min Scan# 3538
 Delta R.T. -0.003 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

Tgt Ion:105 Resp: 59633
 Ion Ratio Lower Upper
 105 100
 120 50.7 39.8 59.6
 91 73.3 54.2 81.4
 77 25.9 19.8 29.6





#75

1,3-Dichlorobenzene

Concen: 1.057 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. -0.003 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

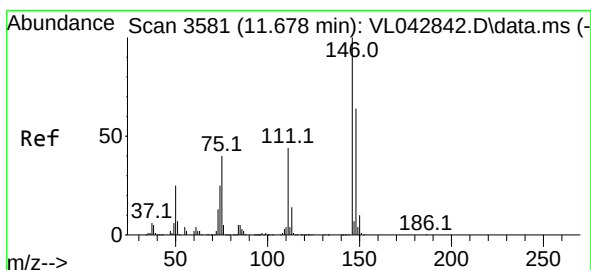
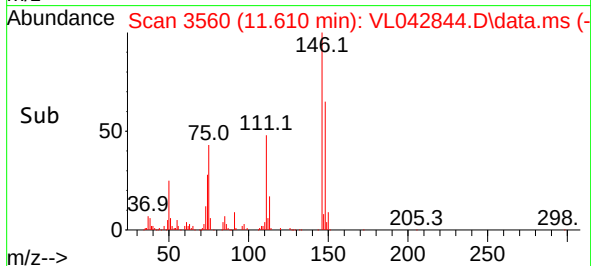
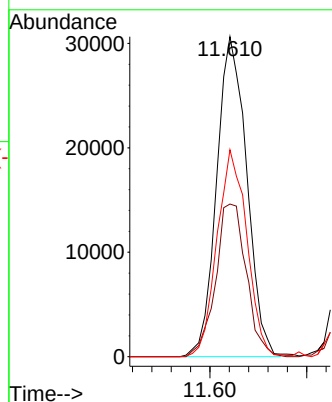
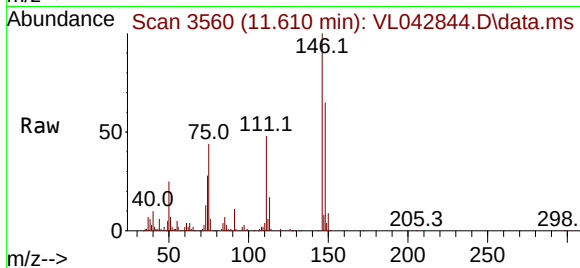
Tgt Ion:146 Resp: 33061

Ion Ratio Lower Upper

146 100

111 48.6 23.9 71.7

148 64.1 31.4 94.0



#76

1,4-Dichlorobenzene

Concen: 1.045 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. -0.003 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

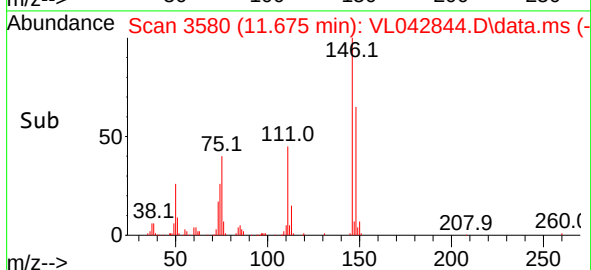
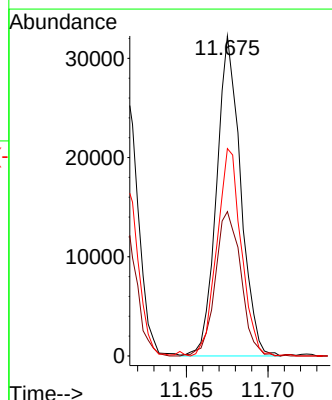
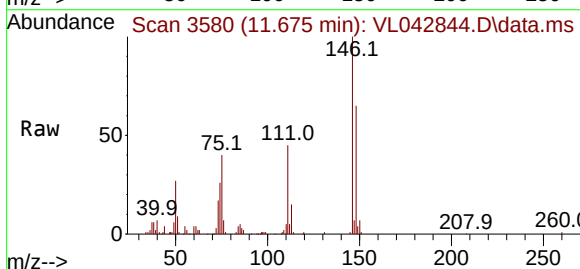
Tgt Ion:146 Resp: 33064

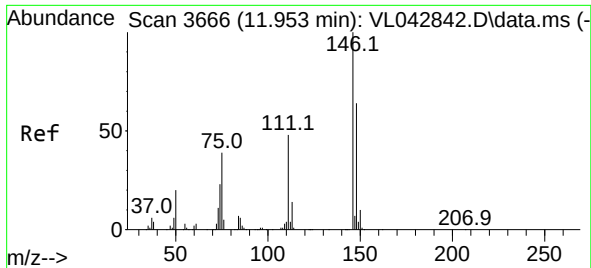
Ion Ratio Lower Upper

146 100

111 48.1 22.7 68.1

148 66.0 31.8 95.3

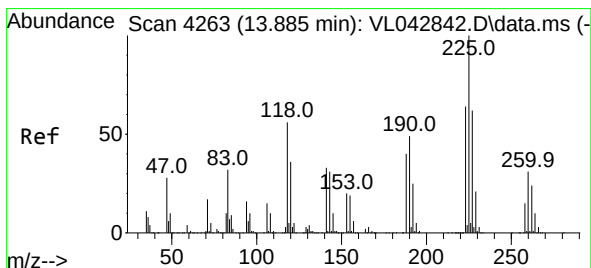
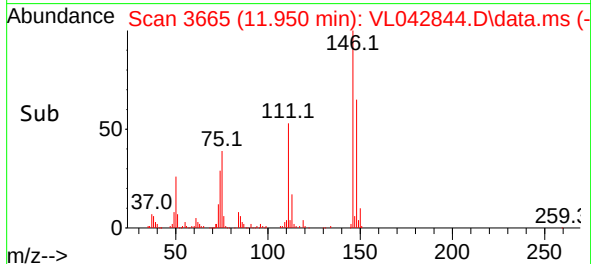
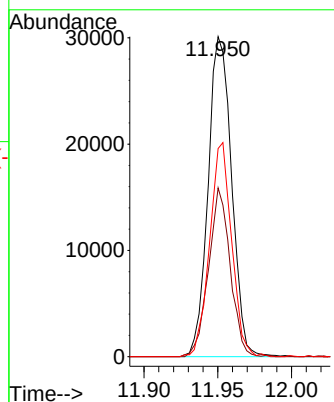
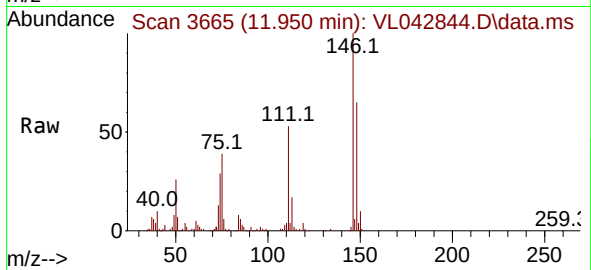




#77
 1,2-Dichlorobenzene
 Concen: 1.090 ppbv
 RT: 11.950 min Scan# 3665
 Delta R.T. -0.003 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

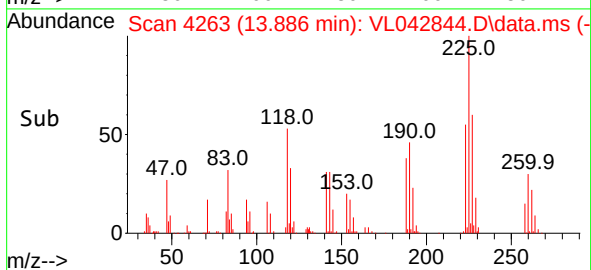
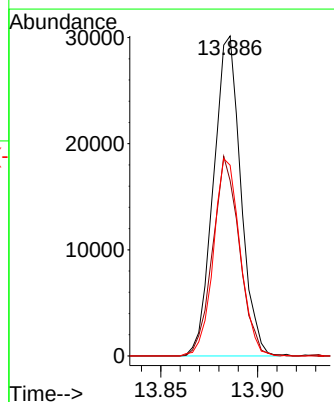
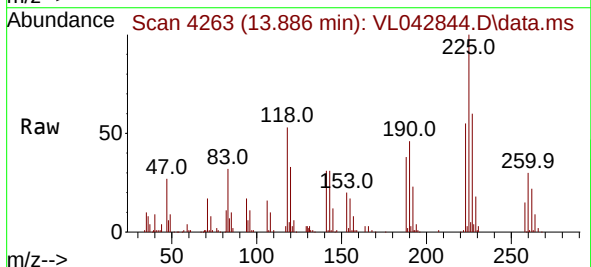
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

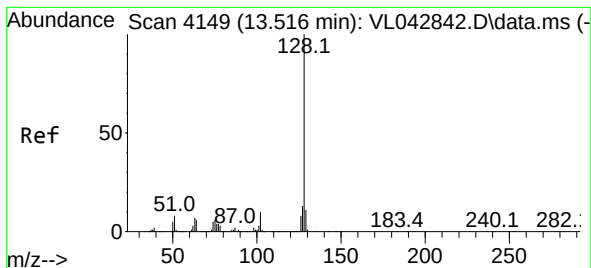
Tgt Ion:146 Resp: 33404
 Ion Ratio Lower Upper
 146 100
 111 48.4 24.6 74.0
 148 62.7 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 1.177 ppbv
 RT: 13.886 min Scan# 4263
 Delta R.T. 0.000 min
 Lab File: VL042844.D
 Acq: 13 Aug 2025 09:41

Tgt Ion:225 Resp: 29555
 Ion Ratio Lower Upper
 225 100
 223 61.2 51.4 77.2
 227 60.0 51.9 77.9





#79

Naphthalene

Concen: 1.169 ppbv

RT: 13.517 min Scan# 4149

Delta R.T. 0.000 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

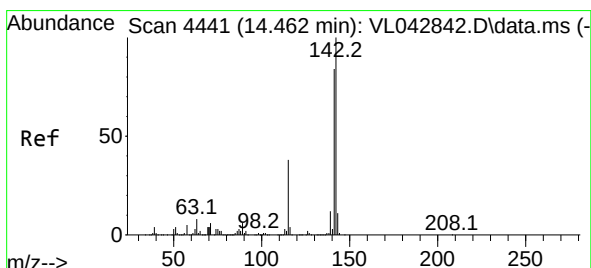
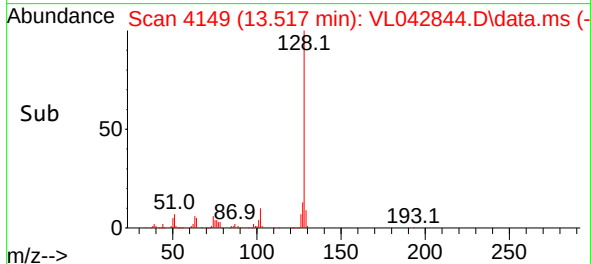
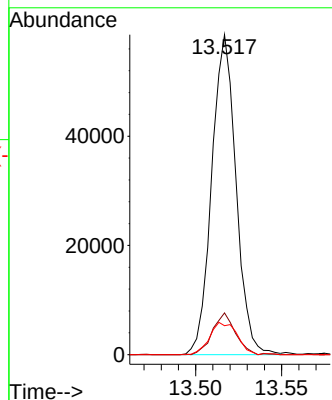
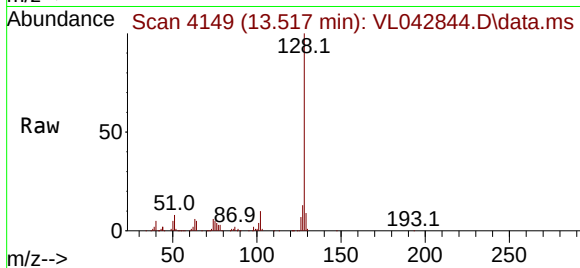
Tgt Ion:128 Resp: 57580

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

129 9.1 8.9 13.3



#80

Naphthalene,2-methyl-

Concen: 1.045 ppbv

RT: 14.462 min Scan# 4441

Delta R.T. 0.000 min

Lab File: VL042844.D

Acq: 13 Aug 2025 09:41

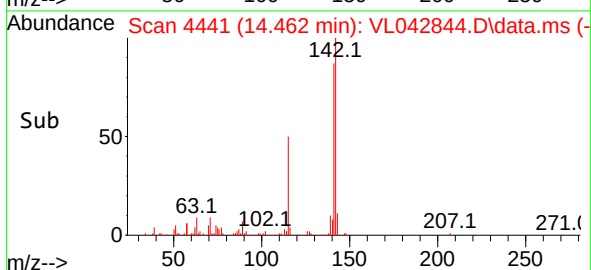
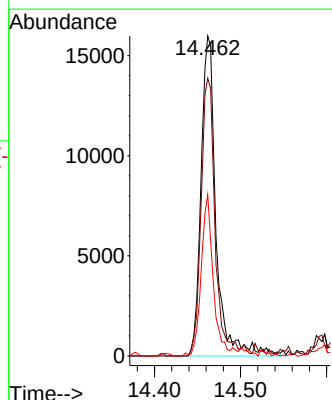
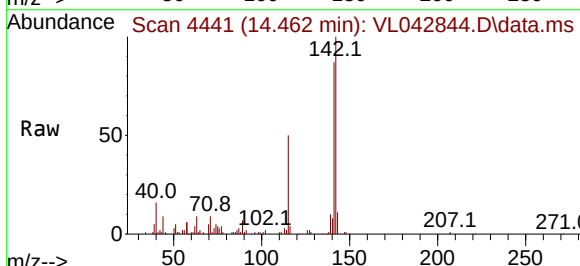
Tgt Ion:142 Resp: 19375

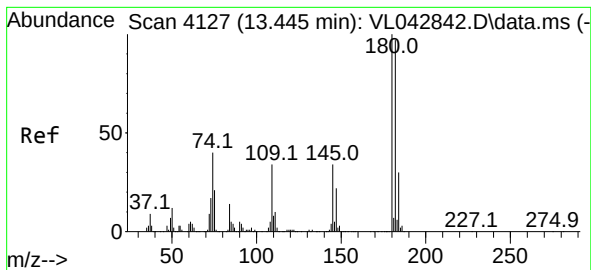
Ion Ratio Lower Upper

142 100

141 81.6 67.0 100.6

115 43.2 30.9 46.3





#81

1,2,4-Trichlorobenzene

Concen: 1.111 ppbv

RT: 13.442 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042844.D

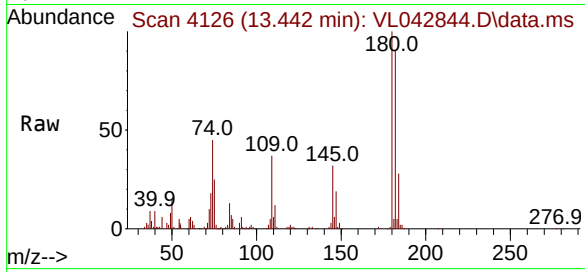
Acq: 13 Aug 2025 09:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001



Tgt Ion:180 Resp: 27861

Ion Ratio Lower Upper

180 100

182 95.5 76.9 115.3

184 30.3 24.5 36.7

