

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
 Data File : VL042848.D
 Acq On : 13 Aug 2025 12:06
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Quant Time: Aug 14 01:51:12 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	2.794	49	122073	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	380877	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.892	117	337876	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.384	95	254655	10.050	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	253151	14.150	ppbv	99
3) Chlorodifluoromethane	1.480	51	275350	13.910	ppbv	99
4) Chloromethane	1.535	50	100974	13.986	ppbv	99
5) Vinyl Chloride	1.583	62	92812	13.053	ppbv	100
6) Bromomethane	1.671	94	37740	13.275	ppbv	96
7) Chloroethane	1.706	64	38398	13.828	ppbv	97
8) Dichlorotetrafluoroethane	1.557	85	205386	14.029	ppbv	98
9) Propene	1.486	41	111824	13.094	ppbv	99
10) Heptane	4.988	43	313734	13.742	ppbv	99
11) Trichlorofluoromethane	1.881	101	246354	13.957	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.143	101	195231	13.877	ppbv	99
13) Ethanol	1.722	45	8534	10.086	ppbv	98
14) Bromoethene	1.784	108	71671	14.072	ppbv	99
15) Acetone	1.839	43	184116	11.402	ppbv	100
16) 1,3-Butadiene	1.612	39	92068	12.577	ppbv	100
17) tert-Butyl alcohol	2.043	59	244441	12.765	ppbv	100
18) 1,1-Dichloroethene	2.036	96	86349	13.961	ppbv	97
19) Isopropyl Alcohol	1.887	45	124270	12.885	ppbv	99
20) Methylene Chloride	2.065	84	77749	11.494	ppbv	97
21) Allyl Chloride	2.101	41	156318	13.703	ppbv	95
22) trans-1,2-Dichloroethene	2.344	96	100064	14.465	ppbv	95
23) Vinyl Acetate	2.467	43	309236	14.557	ppbv	98
24) 1,1-Dichloroethane	2.412	63	199276	13.944	ppbv	98
25) Ethyl Acetate	2.839	43	533600	13.653	ppbv	99
26) Hexane	2.833	57	250189	13.869	ppbv	98
27) Carbon Disulfide	2.153	76	246868	14.062	ppbv	99
28) Methyl tert-Butyl Ether	2.444	73	129978	14.131	ppbv	91
29) Chloroform	2.855	83	360661	14.003	ppbv	99
30) Cyclohexane	3.865	84	222820	14.088	ppbv	98
31) cis-1,2-Dichloroethene	2.726	61	249376	13.821	ppbv	96
32) 1,1,1-Trichloroethane	3.376	97	377739	13.851	ppbv	100
34) 2-Butanone	2.561	43	348815	13.563	ppbv	99
35) Carbon Tetrachloride	3.771	117	367354	13.990	ppbv	97
36) Benzene	3.664	78	511811	14.033	ppbv	99
37) 1,2-Dichloroethane	3.224	62	278934	14.639	ppbv	99
38) Trichloroethene	4.558	130	227091	13.634	ppbv	96
39) 1,2-Dichloropropane	4.325	63	186277	13.984	ppbv	95
40) 1,4-Dioxane	4.593	88	82385	13.212	ppbv #	91
41) Tetrahydrofuran	3.056	42	200751	14.001	ppbv	99
42) Bromodichloromethane	4.499	83	408089	14.372	ppbv	97
43) Methyl Methacrylate	4.888	69	206590	13.808	ppbv	99
44) 2,2,4-Trimethylpentane	4.652	57	850847	13.895	ppbv	99
45) t-1,3-Dichloropropene	6.428	75	244117	14.387	ppbv	99

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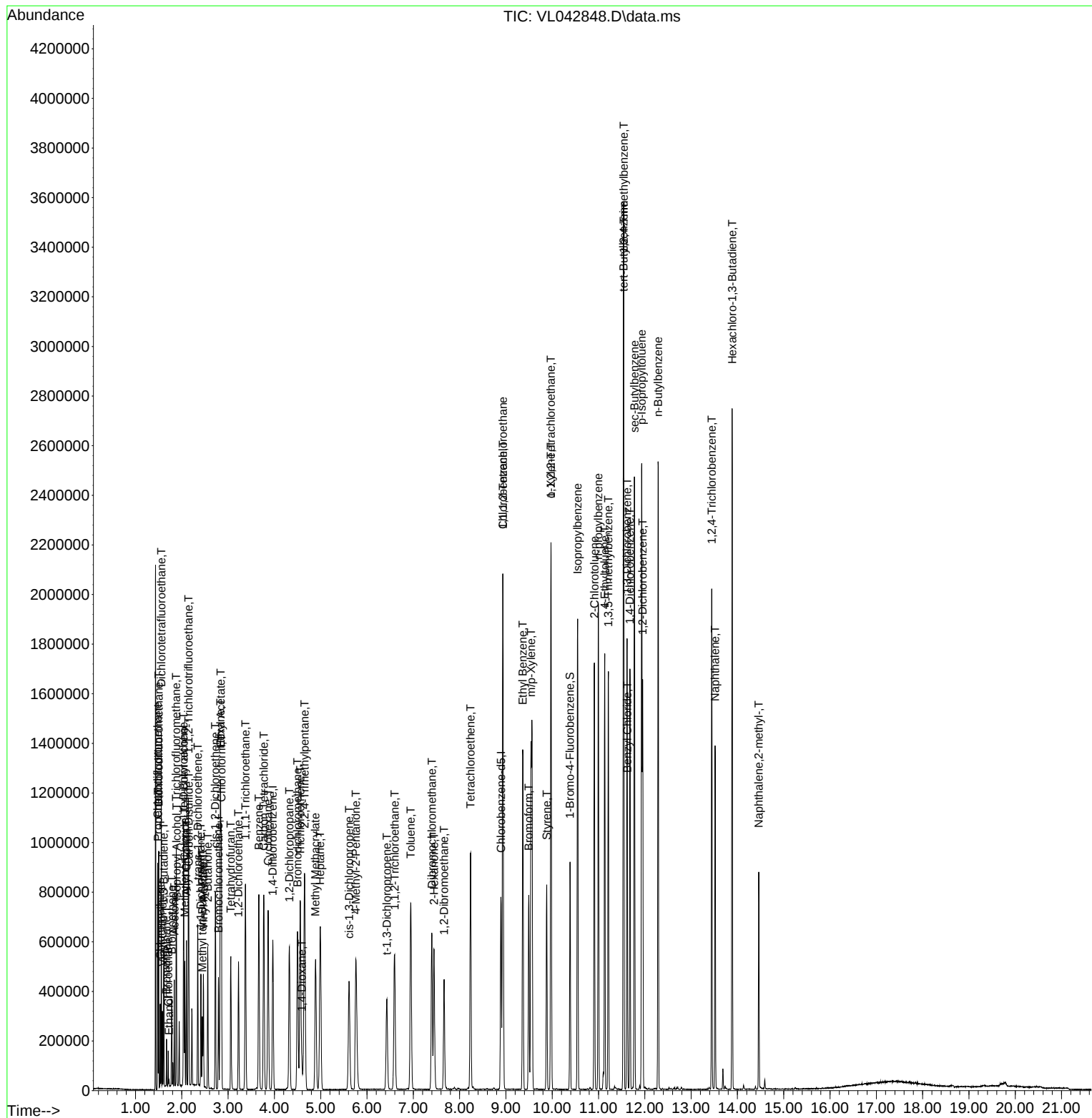
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.616	75	302339	14.191	ppbv	98
47) 1,1,2-Trichloroethane	6.597	97	199067	14.118	ppbv	98
48) Dibromochloromethane	7.399	129	331947	14.535	ppbv	99
49) Bromoform	9.494	173	266732	14.162	ppbv	100
50) 4-Methyl-2-Pentanone	5.758	43	490917	14.073	ppbv	100
51) 2-Hexanone	7.448	43	389940	14.255	ppbv	100
52) Tetrachloroethene	8.238	164	168712	12.772	ppbv	98
53) Toluene	6.943	91	605941	13.961	ppbv	100
54) 1,2-Dibromoethane	7.665	107	292327	14.173	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.934	131	241293	13.810	ppbv	99
57) Chlorobenzene	8.934	112	439109	13.668	ppbv	99
58) Ethyl Benzene	9.364	91	826316	13.859	ppbv	99
59) m/p-Xylene	9.542	91	667628	14.262	ppbv #	100
60) o-Xylene	9.973	91	629445	13.389	ppbv	100
61) Styrene	9.882	104	304560	13.827	ppbv	99
62) Isopropylbenzene	10.549	105	931574	13.559	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.973	83	342890	13.356	ppbv	98
64) n-propylbenzene	10.999	120	239209	13.646	ppbv	98
65) tert-Butylbenzene	11.539	119	785250	12.965	ppbv	98
66) Benzyl Chloride	11.623	91	104698	13.617	ppbv	99
67) sec-Butylbenzene	11.775	105	1115979	13.127	ppbv	100
69) p-Isopropyltoluene	11.931	119	940888	12.891	ppbv	98
70) n-Butylbenzene	12.287	91	970700	13.410	ppbv	100
71) 2-Chlorotoluene	10.911	91	713696	13.378	ppbv	99
72) 4-Ethyltoluene	11.134	105	782057	13.722	ppbv	99
73) 1,3,5-Trimethylbenzene	11.212	105	650280	13.418	ppbv	99
74) 1,2,4-Trimethylbenzene	11.546	105	691709	13.003	ppbv	95
75) 1,3-Dichlorobenzene	11.617	146	402850	13.321	ppbv	99
76) 1,4-Dichlorobenzene	11.678	146	407214	13.314	ppbv	98
77) 1,2-Dichlorobenzene	11.953	146	385866	13.031	ppbv	99
78) Hexachloro-1,3-Butadiene	13.886	225	281581	11.602	ppbv	99
79) Naphthalene	13.517	128	658732	13.837	ppbv	100
80) Naphthalene,2-methyl-	14.462	142	251753	14.042	ppbv	100
81) 1,2,4-Trichlorobenzene	13.445	180	329641	13.599	ppbv	100

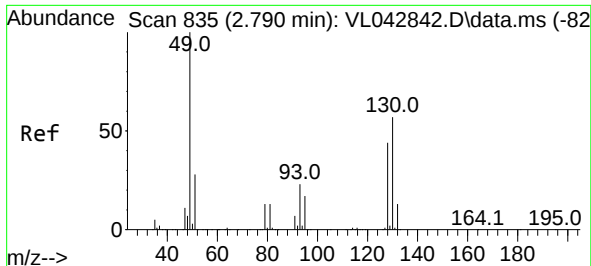
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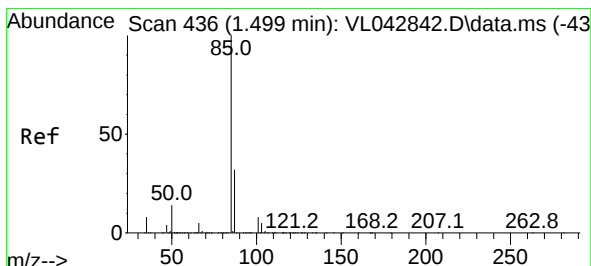
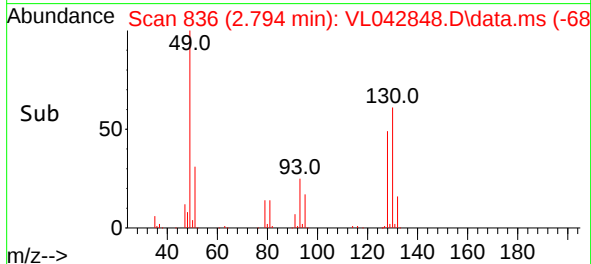
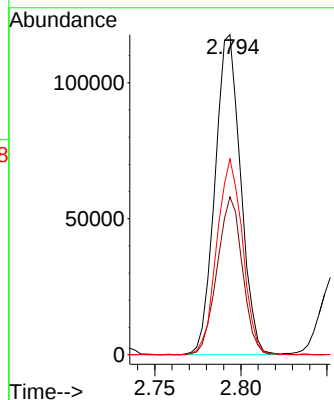
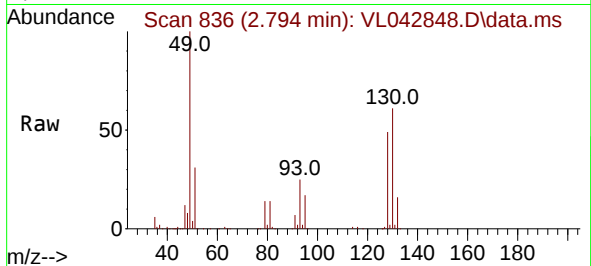




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 835
Delta R.T. 0.004 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

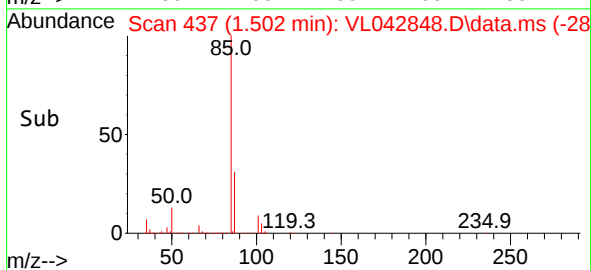
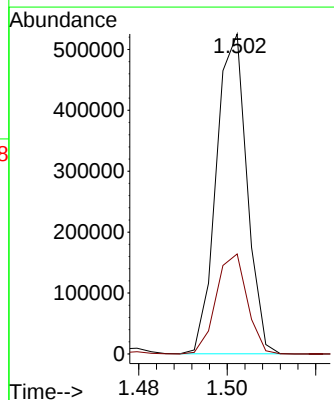
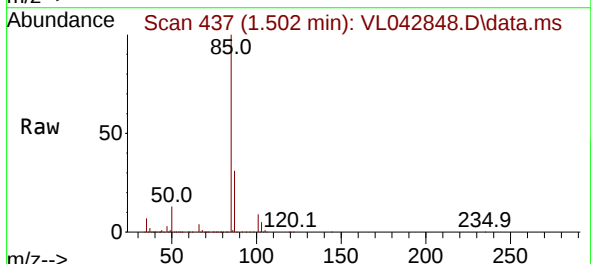
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MSVOA_L
ClientSampleId :
VSTDIC015

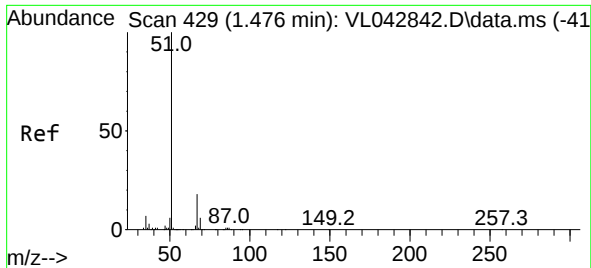
Tgt Ion: 49 Resp: 122073
Ion Ratio Lower Upper
49 100
128 48.4 23.7 71.1
130 61.2 30.6 91.6



#2
Dichlorodifluoromethane
Concen: 14.150 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 85 Resp: 253151
Ion Ratio Lower Upper
85 100
87 31.2 25.3 37.9

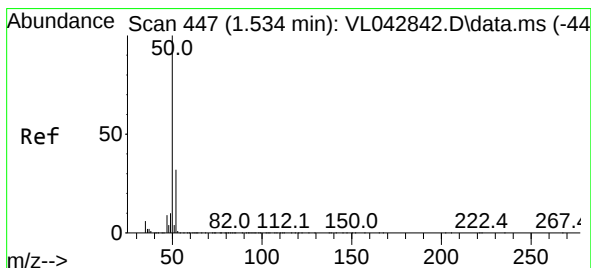
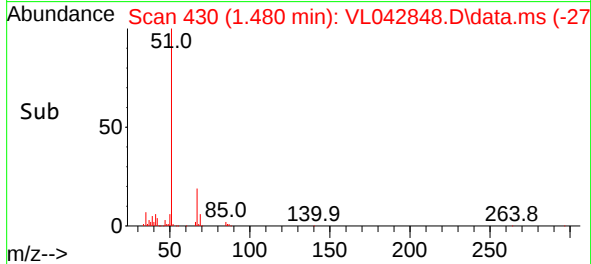
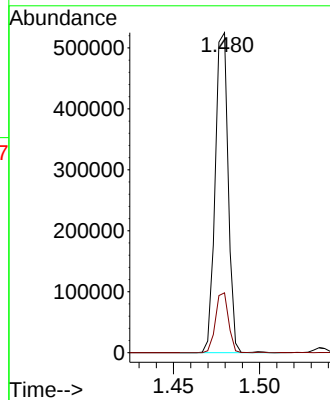
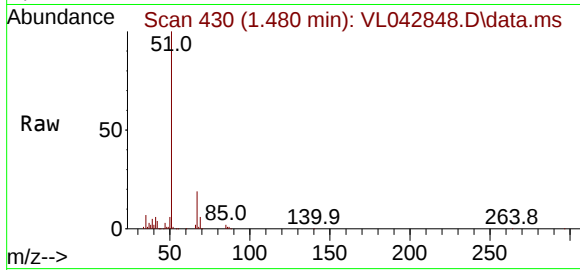




#3
Chlorodifluoromethane
Concen: 13.910 ppbv
RT: 1.480 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

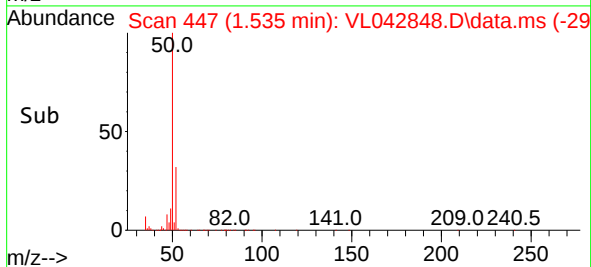
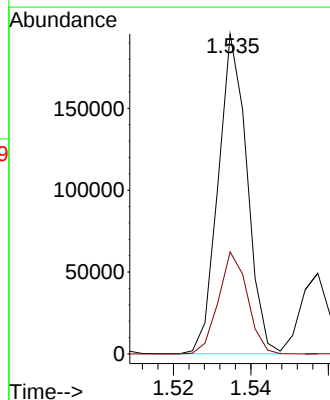
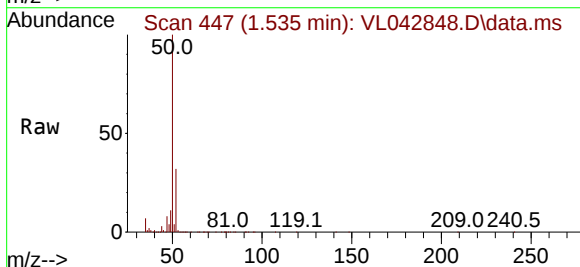
Instrument :
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ClientSampleId :
VSTDIC015

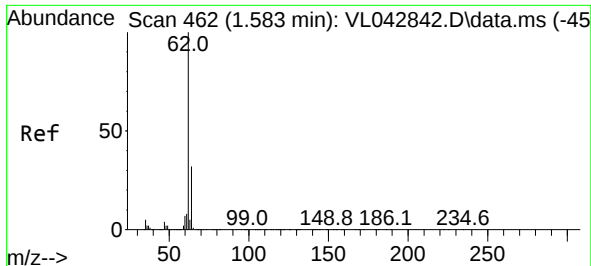
Tgt Ion: 51 Resp: 275350
Ion Ratio Lower Upper
51 100
67 18.9 14.9 22.3



#4
Chloromethane
Concen: 13.986 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 50 Resp: 100974
Ion Ratio Lower Upper
50 100
52 31.9 25.9 38.9

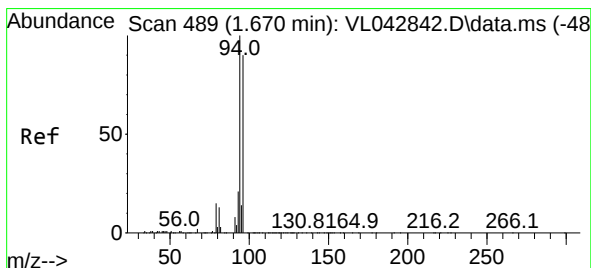
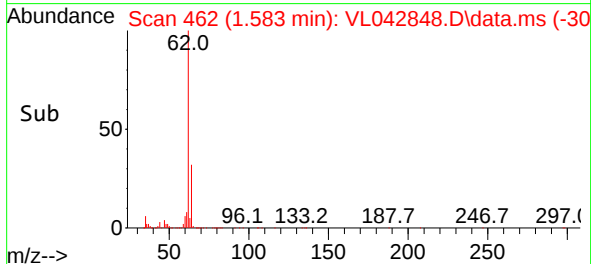
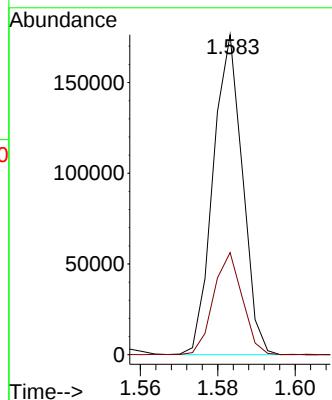
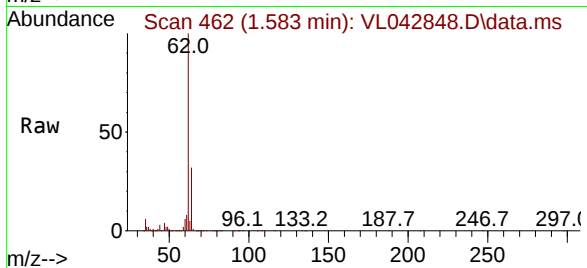




#5
 Vinyl Chloride
 Concen: 13.053 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL042848.D
 Acq: 13 Aug 2025 12:06

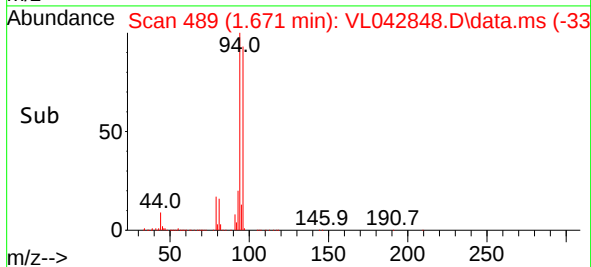
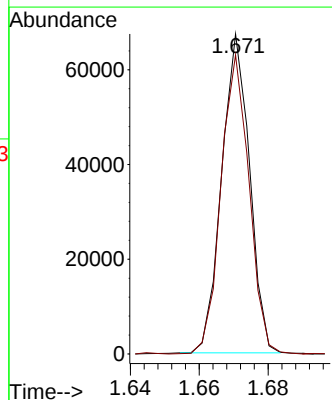
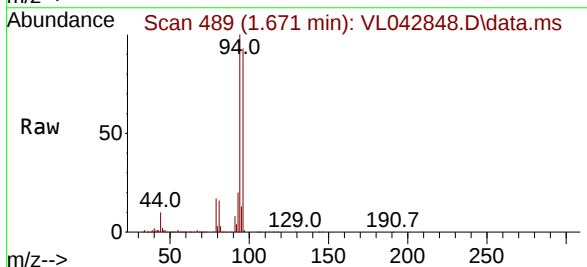
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC015

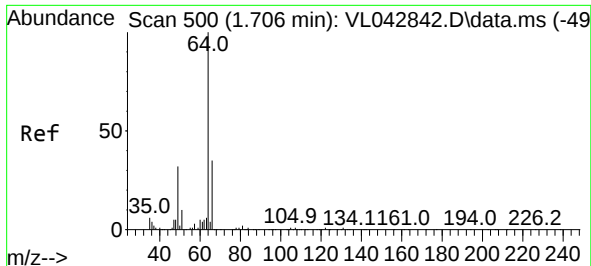
Tgt Ion: 62 Resp: 92812
 Ion Ratio Lower Upper
 62 100
 64 31.8 25.4 38.2



#6
 Bromomethane
 Concen: 13.275 ppbv
 RT: 1.671 min Scan# 489
 Delta R.T. 0.000 min
 Lab File: VL042848.D
 Acq: 13 Aug 2025 12:06

Tgt Ion: 94 Resp: 37740
 Ion Ratio Lower Upper
 94 100
 96 93.7 72.1 108.1

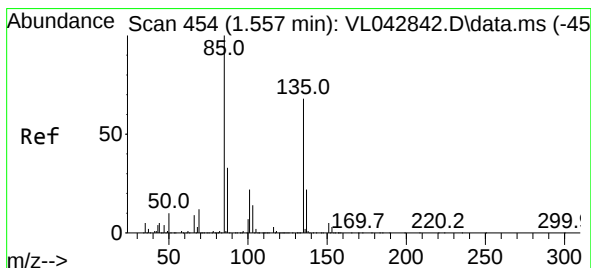
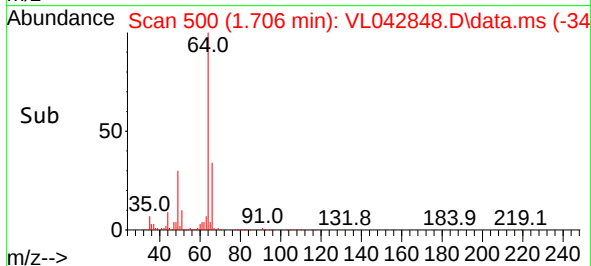
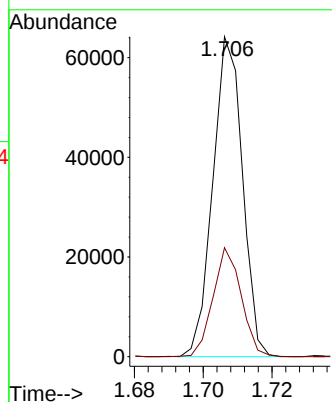
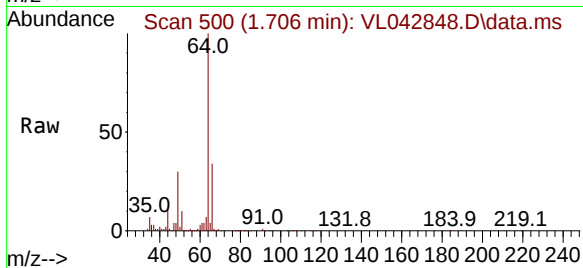




#7
Chloroethane
Concen: 13.828 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

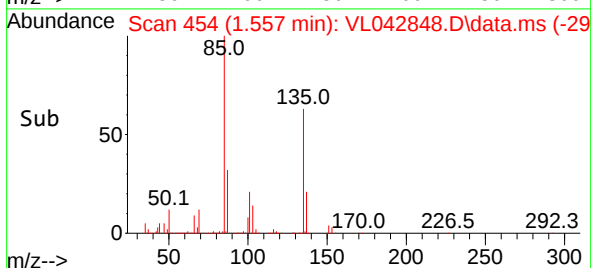
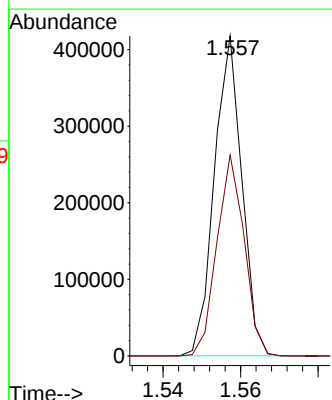
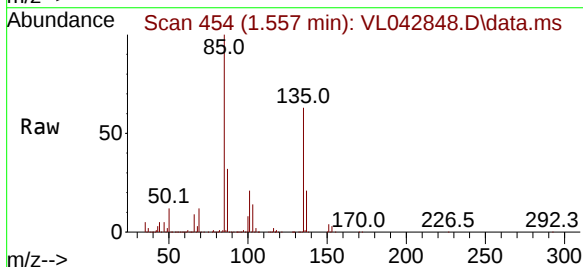
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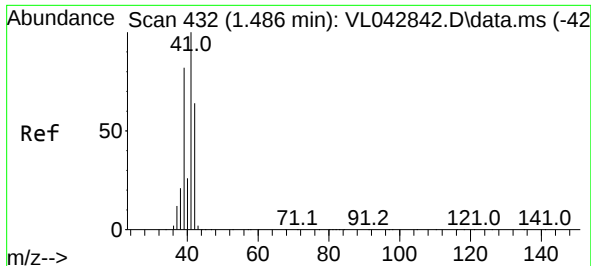
Tgt Ion: 64 Resp: 38398
Ion Ratio Lower Upper
64 100
66 34.1 28.6 42.8



#8
Dichlorotetrafluoroethane
Concen: 14.029 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 85 Resp: 205386
Ion Ratio Lower Upper
85 100
135 62.7 51.2 76.8





#9

Propene

Concen: 13.094 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042848.D

Acq: 13 Aug 2025 12:06

Instrument :

MSVOA_L

ClientSampleId :

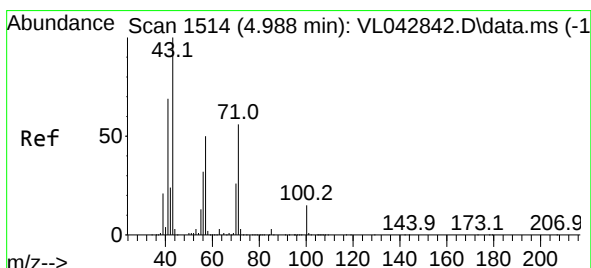
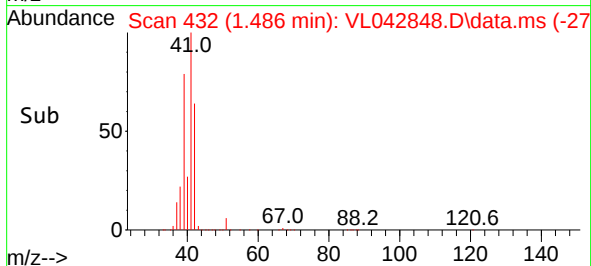
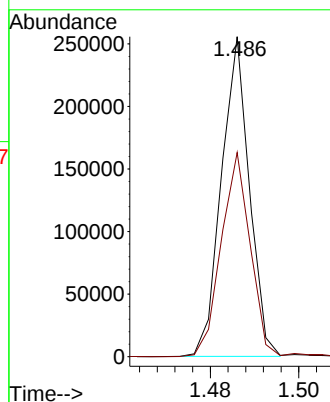
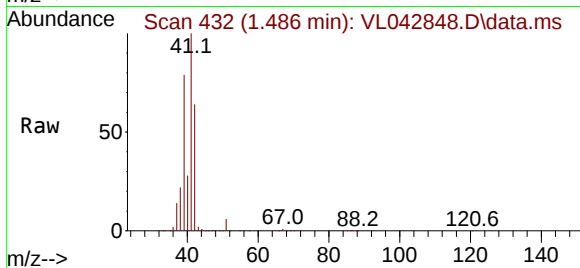
VSTDIC015

Tgt Ion: 41 Resp: 111824

Ion Ratio Lower Upper

41 100

42 67.0 53.0 79.4



#10

Heptane

Concen: 13.742 ppbv

RT: 4.988 min Scan# 1514

Delta R.T. 0.000 min

Lab File: VL042848.D

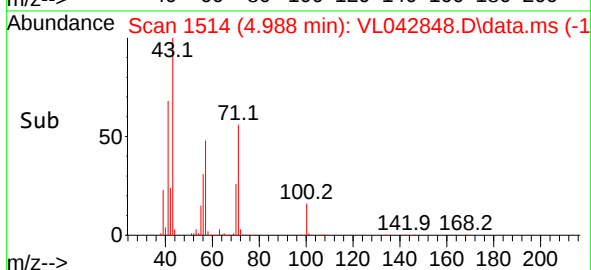
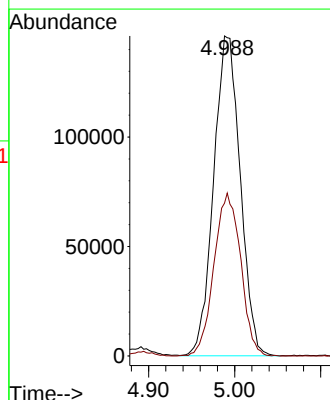
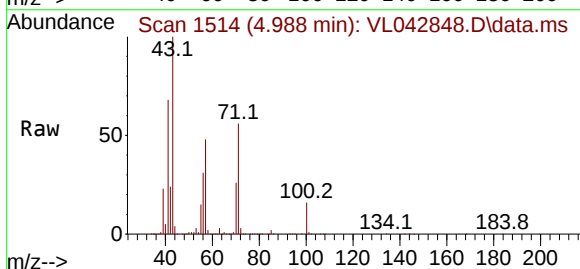
Acq: 13 Aug 2025 12:06

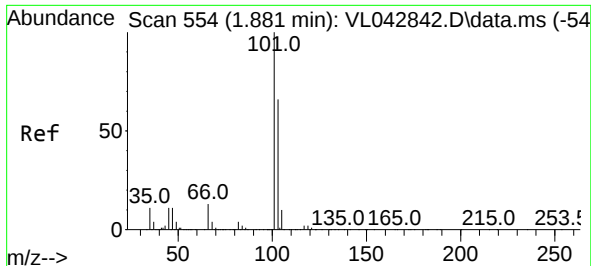
Tgt Ion: 43 Resp: 313734

Ion Ratio Lower Upper

43 100

57 51.0 41.4 62.0





#11

Trichlorofluoromethane

Concen: 13.957 ppbv

RT: 1.881 min Scan# 554

Delta R.T. 0.000 min

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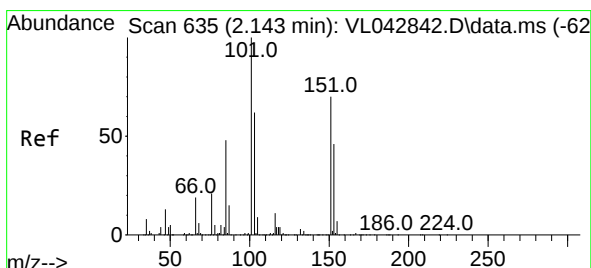
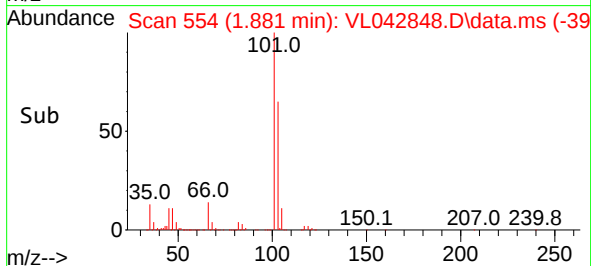
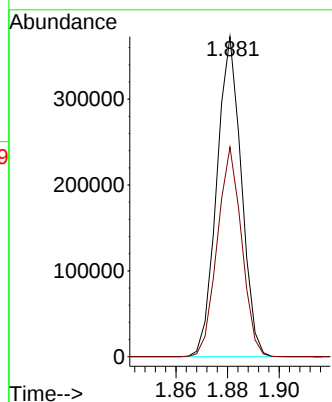
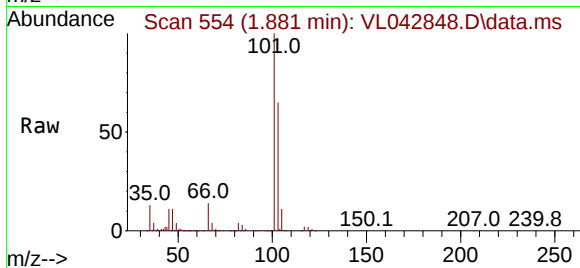
VSTDIC015

Tgt Ion:101 Resp: 246354

Ion Ratio Lower Upper

101 100

103 65.5 52.5 78.7



#12

1,1,2-Trichlorotrifluoroethane

Concen: 13.877 ppbv

RT: 2.143 min Scan# 635

Delta R.T. 0.000 min

Lab File: VL042848.D

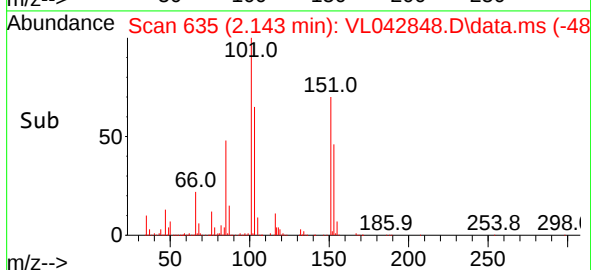
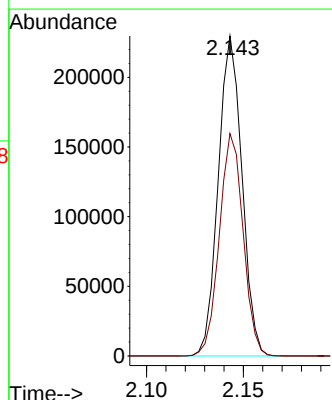
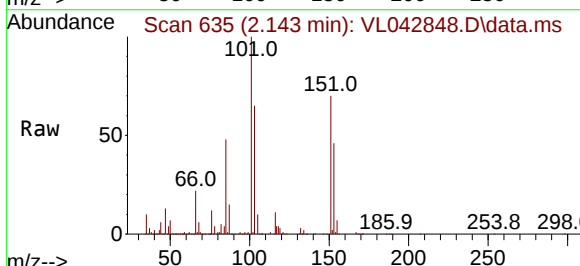
Acq: 13 Aug 2025 12:06

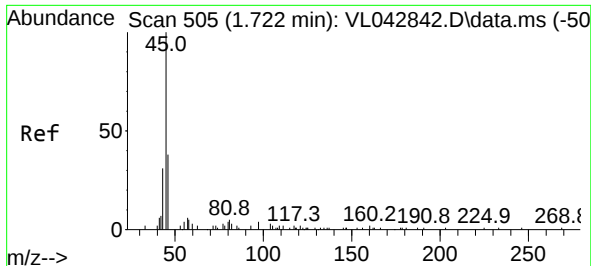
Tgt Ion:101 Resp: 195231

Ion Ratio Lower Upper

101 100

151 69.7 56.4 84.6

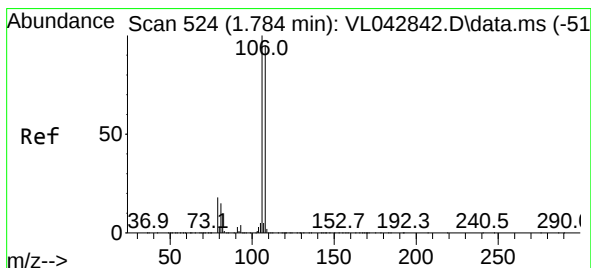
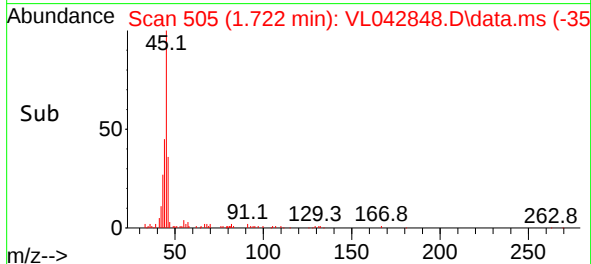
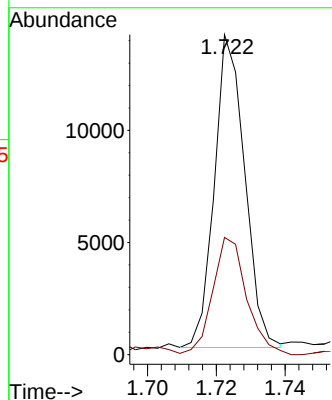
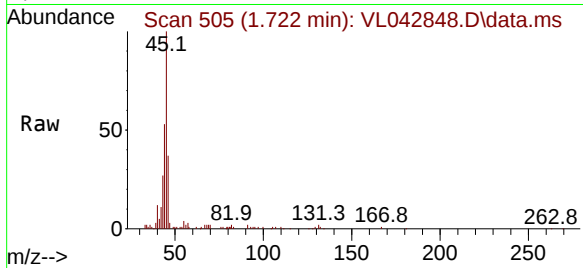




#13
Ethanol
Concen: 10.086 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

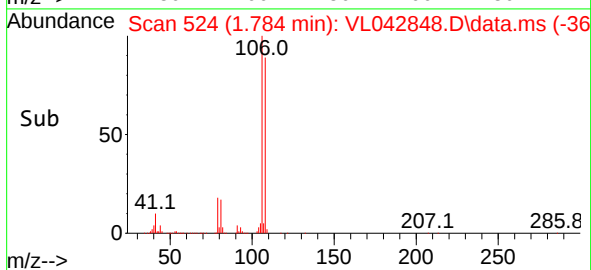
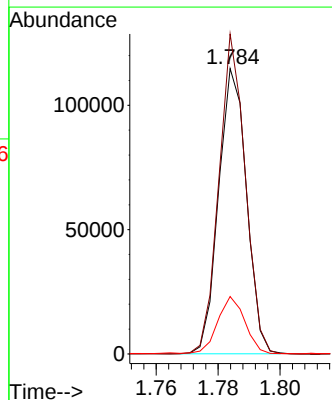
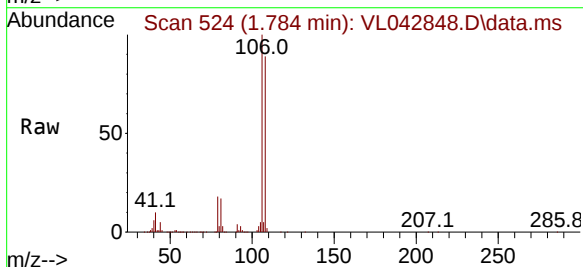
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

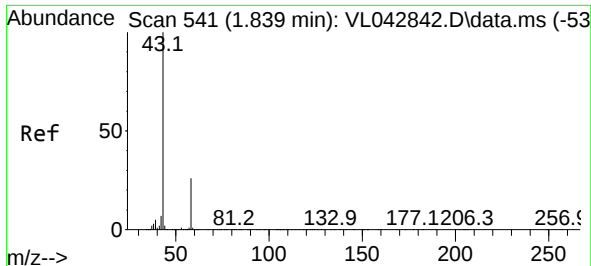
Tgt Ion: 45 Resp: 8534
Ion Ratio Lower Upper
45 100
46 42.3 17.5 69.9



#14
Bromoethene
Concen: 14.072 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 108 Resp: 71671
Ion Ratio Lower Upper
108 100
106 106.0 85.1 127.7
79 19.4 16.3 24.5

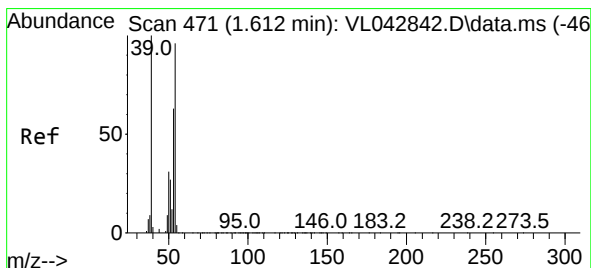
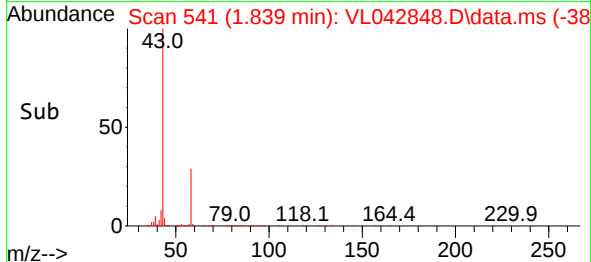
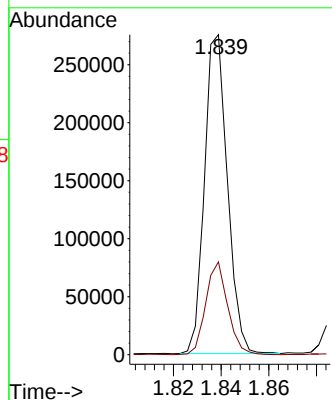
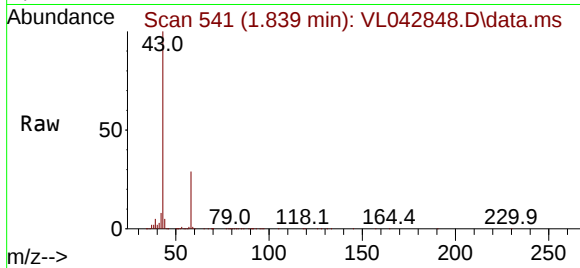




#15
Acetone
Concen: 11.402 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

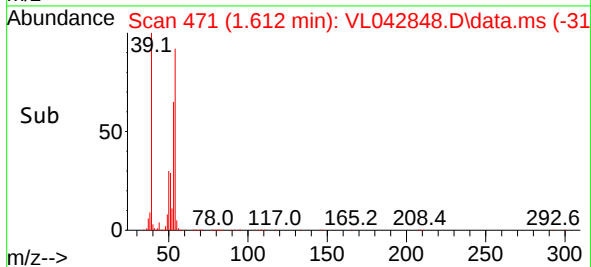
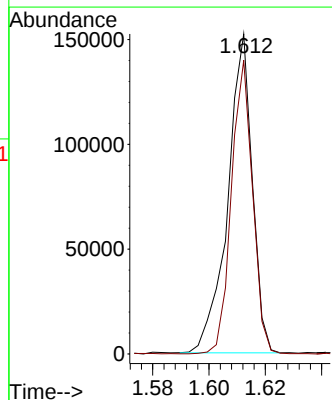
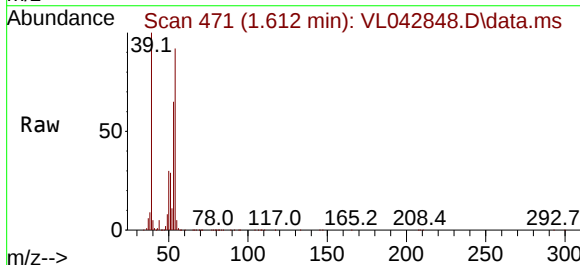
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

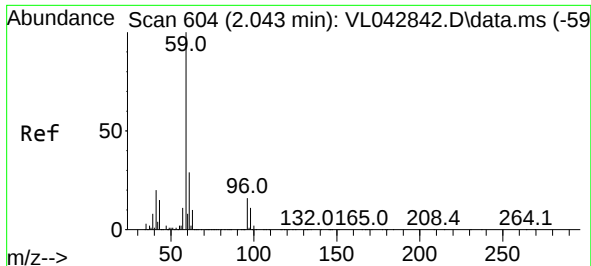
Tgt Ion: 43 Resp: 184116
Ion Ratio Lower Upper
43 100
58 27.9 22.4 33.6



#16
1,3-Butadiene
Concen: 12.577 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 39 Resp: 92068
Ion Ratio Lower Upper
39 100
54 79.7 63.6 95.4





#17

tert-Butyl alcohol

Concen: 12.765 ppbv

RT: 2.043 min Scan# 604

Delta R.T. 0.000 min

Lab File: VL042848.D

Acq: 13 Aug 2025 12:06

Instrument :

MSVOA_1

ClientSampleId :

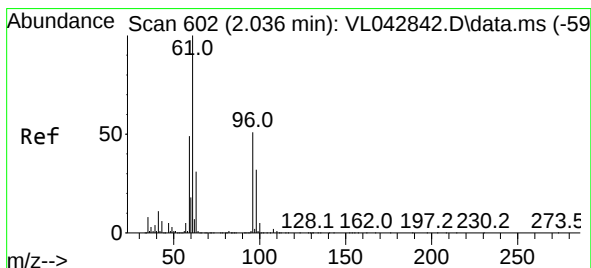
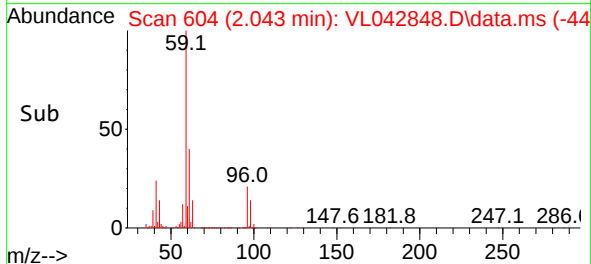
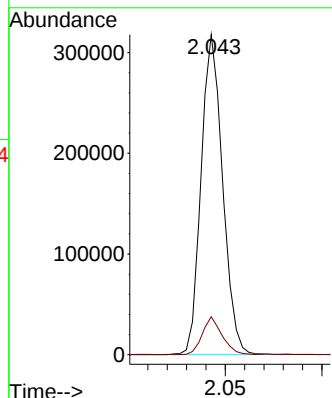
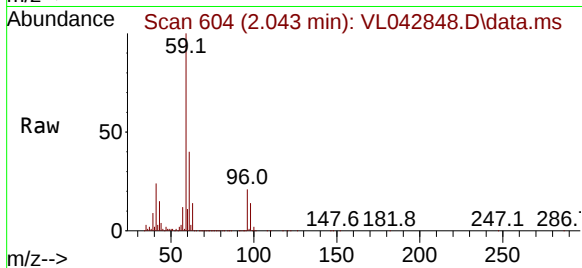
VSTDIC015

Tgt Ion: 59 Resp: 244441

Ion Ratio Lower Upper

59 100

57 11.3 9.0 13.4



#18

1,1-Dichloroethene

Concen: 13.961 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.000 min

Lab File: VL042848.D

Acq: 13 Aug 2025 12:06

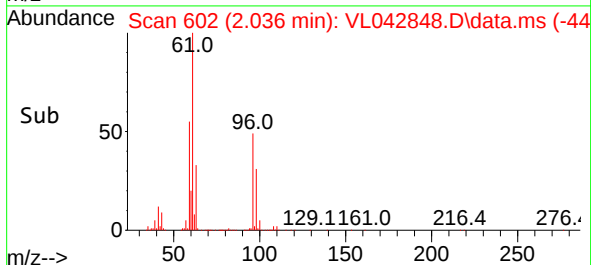
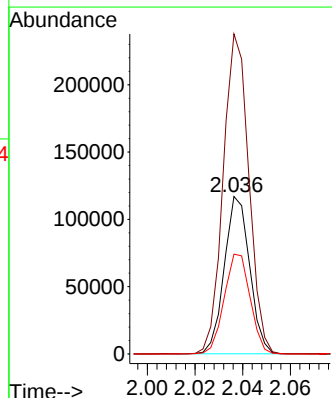
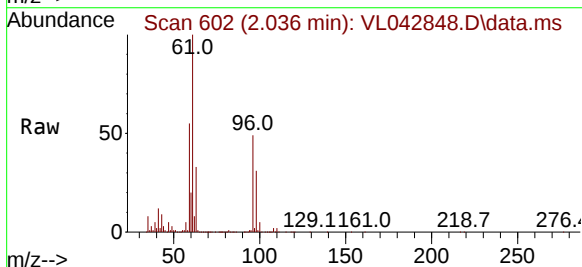
Tgt Ion: 96 Resp: 86349

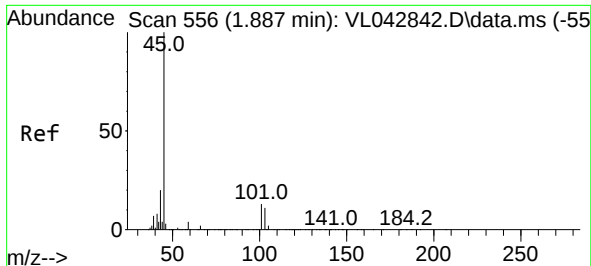
Ion Ratio Lower Upper

96 100

61 203.3 158.2 237.4

98 63.3 50.6 76.0

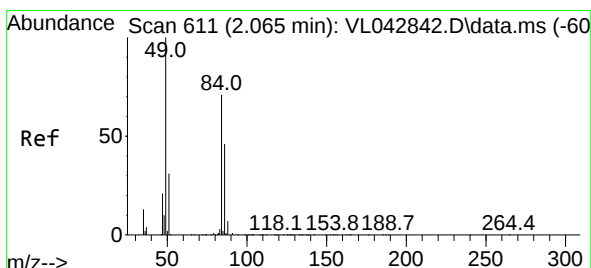
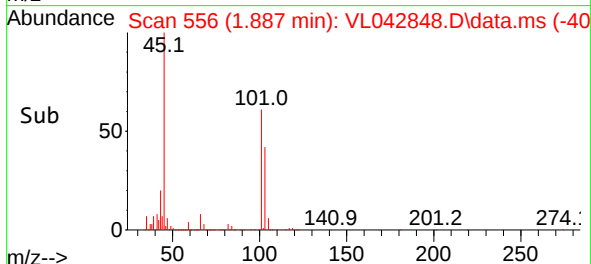
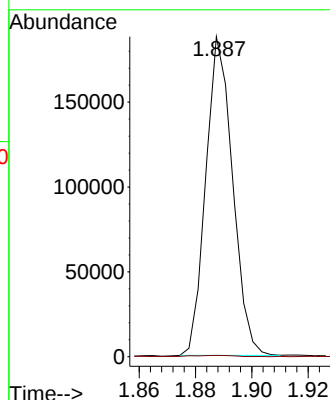
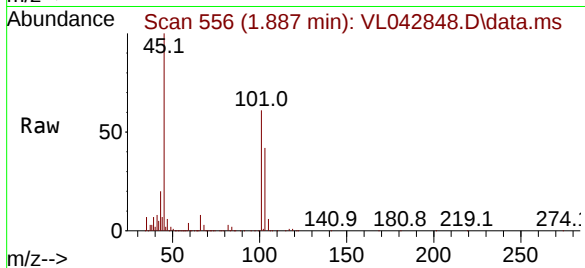




#19
Isopropyl Alcohol
Concen: 12.885 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

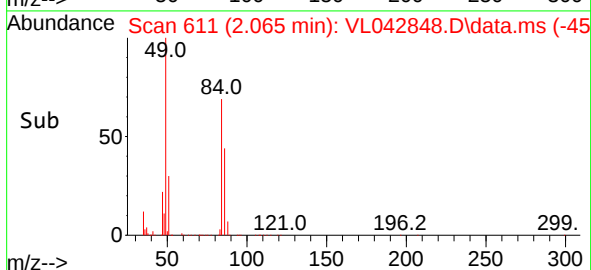
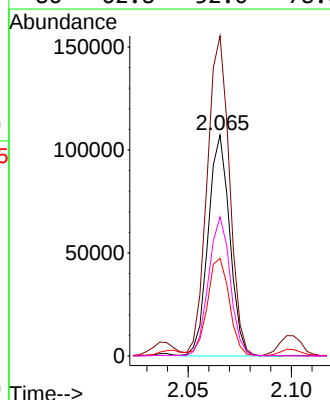
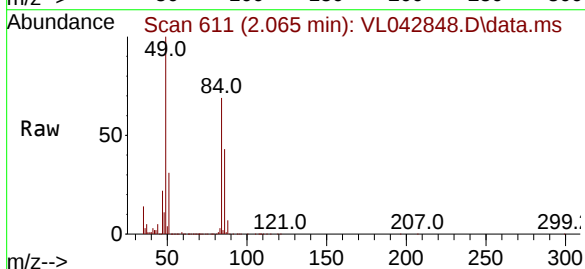
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

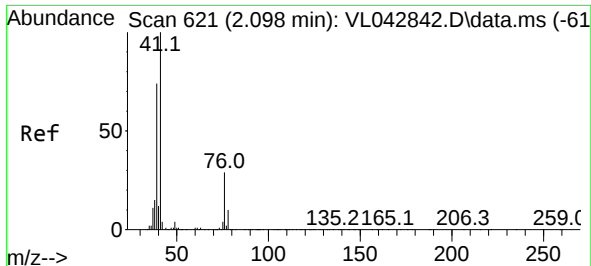
Tgt Ion: 45 Resp: 124270
Ion Ratio Lower Upper
45 100
58 41.3 32.7 49.1



#20
Methylene Chloride
Concen: 11.494 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 84 Resp: 77749
Ion Ratio Lower Upper
84 100
49 143.1 112.3 168.5
51 42.5 36.0 54.0
86 62.8 52.0 78.0

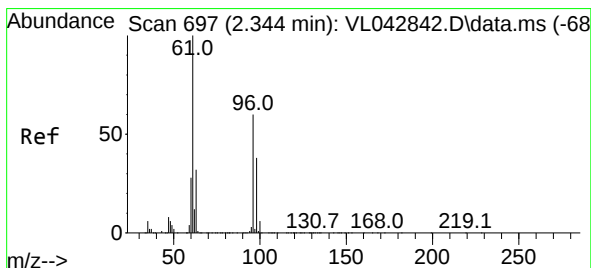
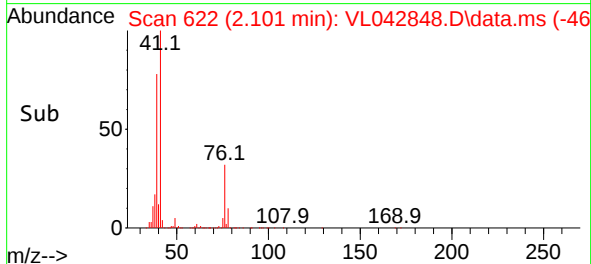
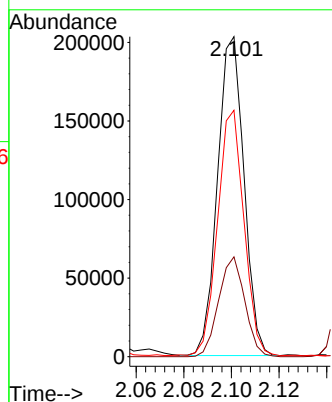
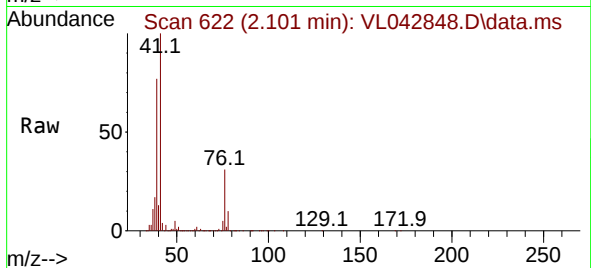




#21
 Allyl Chloride
 Concen: 13.703 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042848.D
 Acq: 13 Aug 2025 12:06

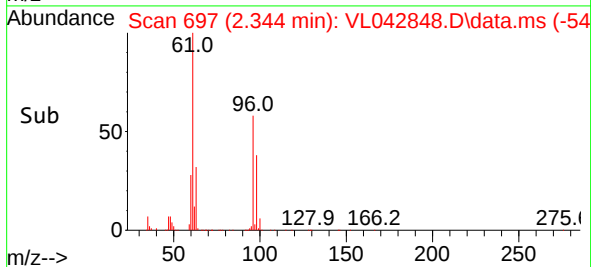
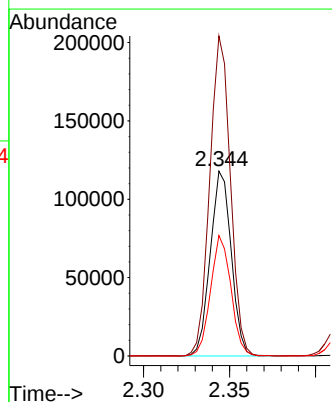
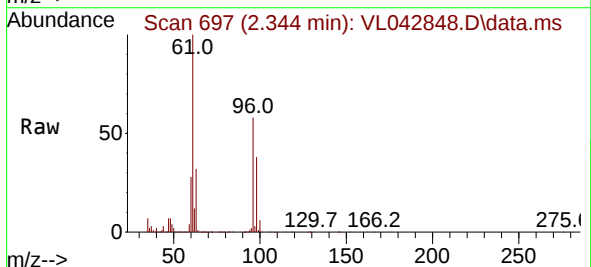
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC015

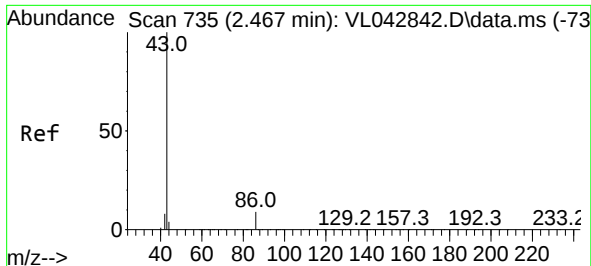
Tgt Ion: 41 Resp: 156318
 Ion Ratio Lower Upper
 41 100
 76 30.9 23.9 35.9
 39 76.9 57.8 86.6



#22
 trans-1,2-Dichloroethene
 Concen: 14.465 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.000 min
 Lab File: VL042848.D
 Acq: 13 Aug 2025 12:06

Tgt Ion: 96 Resp: 100064
 Ion Ratio Lower Upper
 96 100
 61 173.1 132.6 199.0
 98 65.2 50.0 75.0



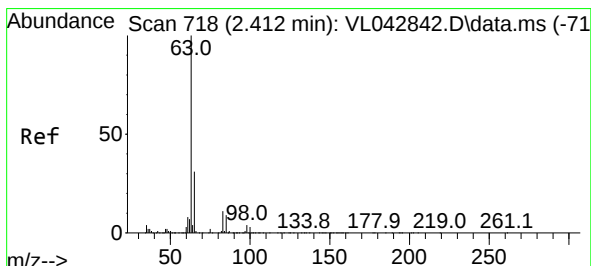
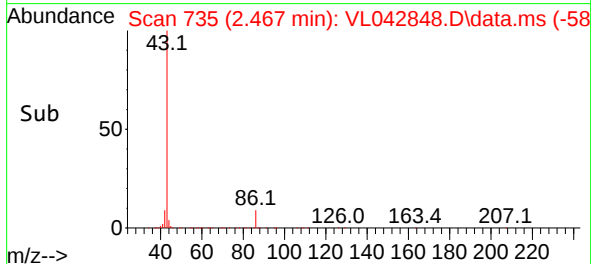
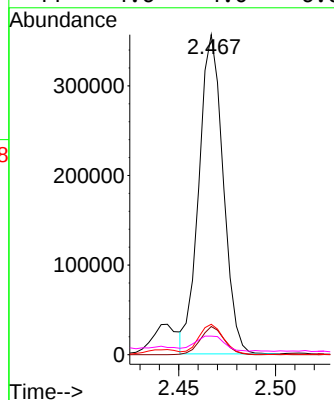
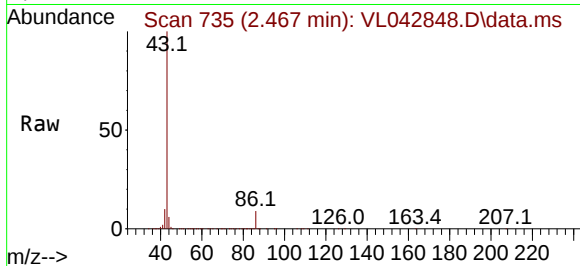


#23
 Vinyl Acetate
 Concen: 14.557 ppbv
 RT: 2.467 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL042848.D
 Acq: 13 Aug 2025 12:06

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC015

Tgt Ion: 43 Resp: 309236

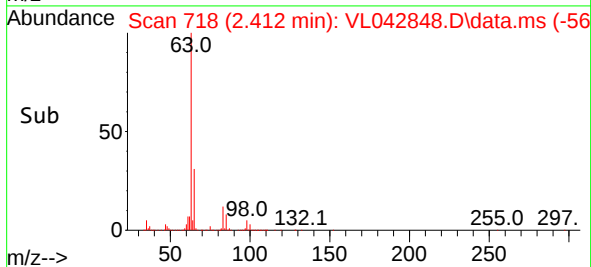
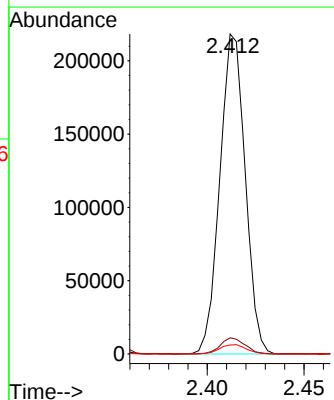
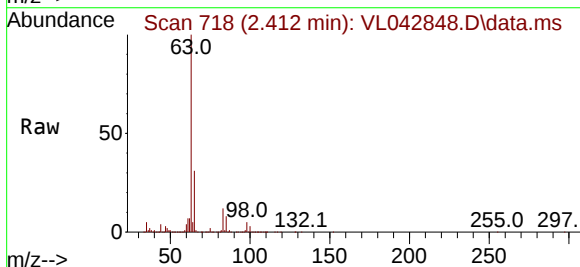
Ion	Ratio	Lower	Upper
43	100		
86	8.8	6.6	9.8
42	9.4	7.0	10.6
44	4.6	4.0	6.0



#24
 1,1-Dichloroethane
 Concen: 13.944 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL042848.D
 Acq: 13 Aug 2025 12:06

Tgt Ion: 63 Resp: 199276

Ion	Ratio	Lower	Upper
63	100		
98	5.1	2.1	6.5
100	2.8	1.7	5.1



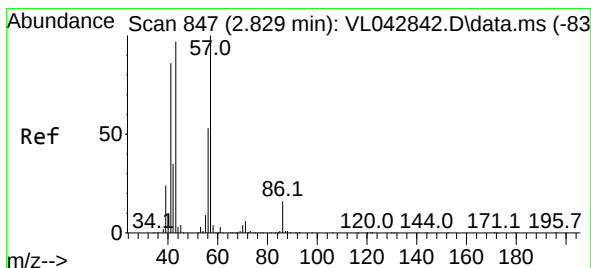
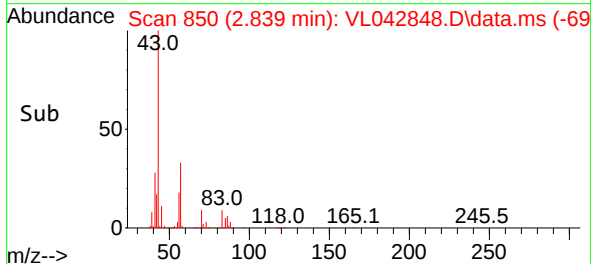
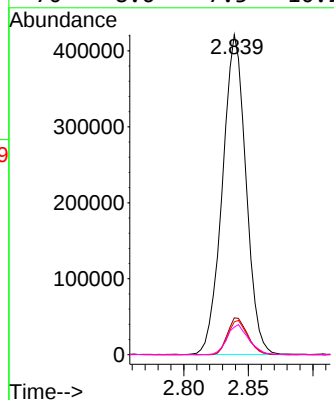
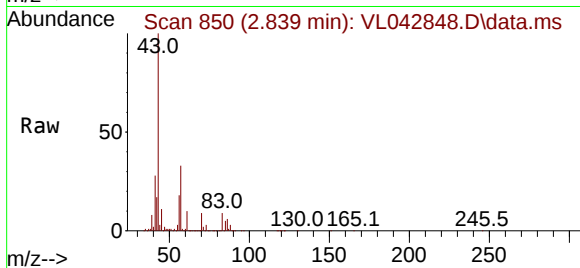


#25
Ethyl Acetate
Concen: 13.653 ppbv
RT: 2.839 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

Tgt Ion: 43 Resp: 533600

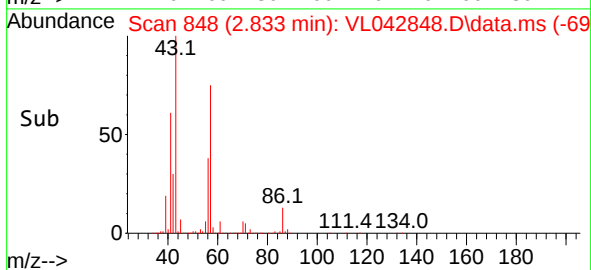
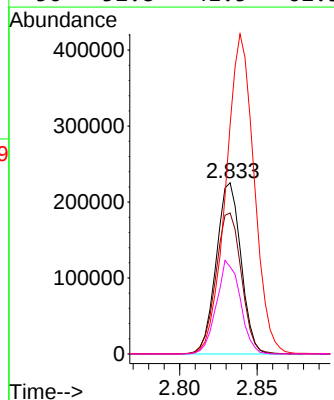
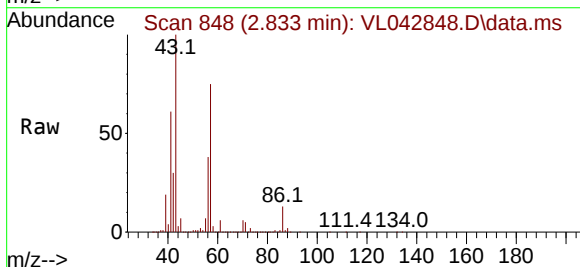
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.1	12.1
61	9.2	7.4	11.2
70	8.6	7.3	10.9

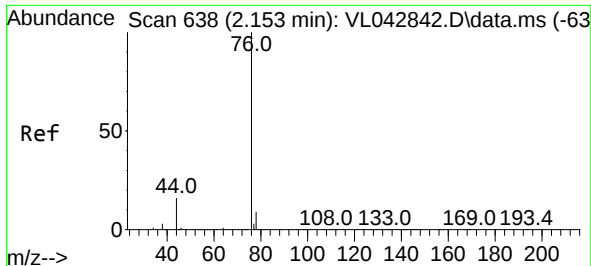


#26
Hexane
Concen: 13.869 ppbv
RT: 2.833 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 57 Resp: 250189

Ion	Ratio	Lower	Upper
57	100		
41	85.8	68.6	103.0
43	214.3	168.5	252.7
56	52.8	41.5	62.3

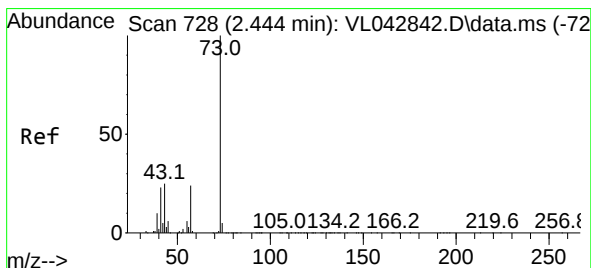
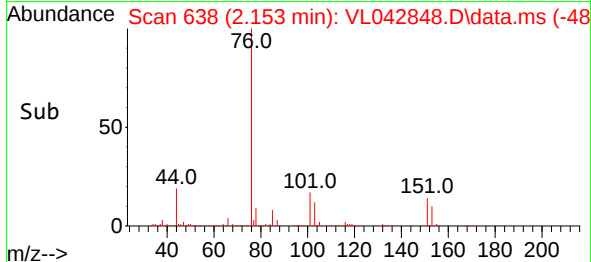
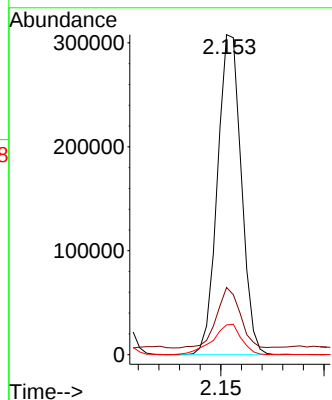
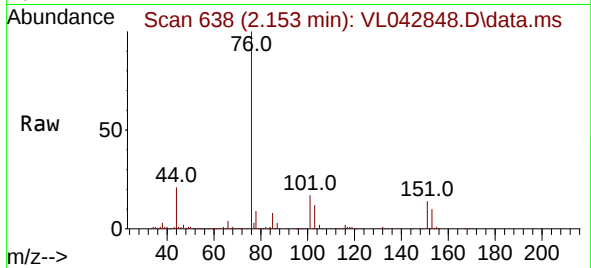




#27
Carbon Disulfide
Concen: 14.062 ppbv
RT: 2.153 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

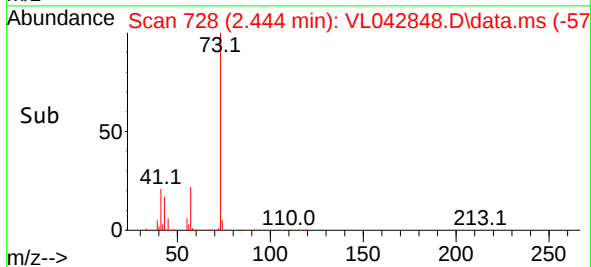
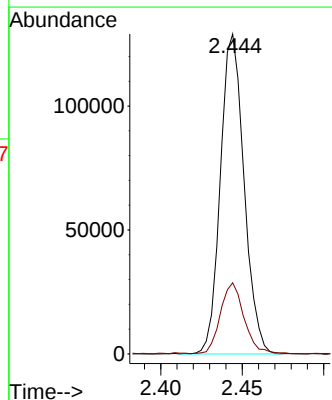
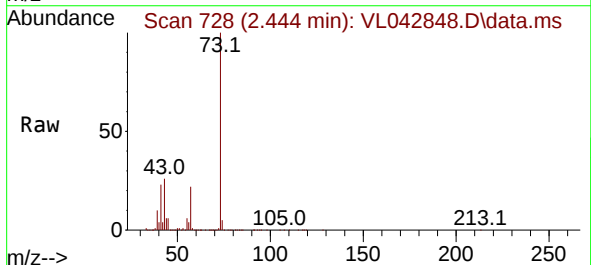
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

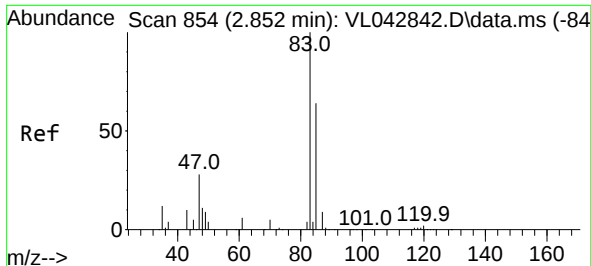
Tgt Ion: 76 Resp: 246868
Ion Ratio Lower Upper
76 100
44 19.7 15.9 23.9
78 11.4 9.5 14.3



#28
Methyl tert-Butyl Ether
Concen: 14.131 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 73 Resp: 129978
Ion Ratio Lower Upper
73 100
57 22.5 21.6 32.4





#29

Chloroform

Concen: 14.003 ppbv

RT: 2.855 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL042848.D

Acq: 13 Aug 2025 12:06

Instrument :

MSVOA_L

ClientSampleId :

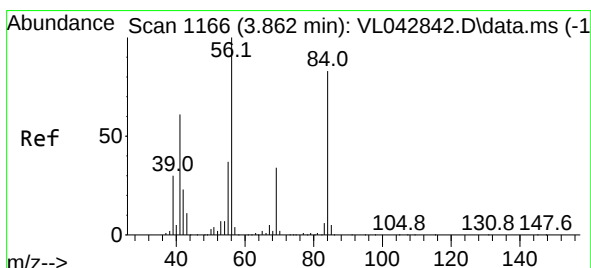
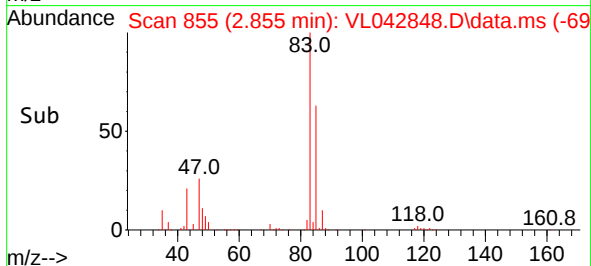
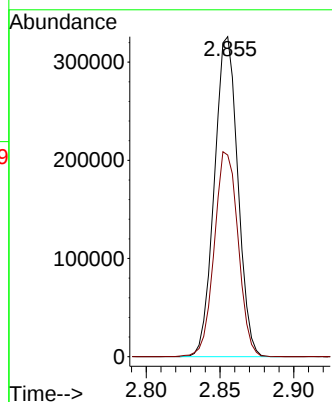
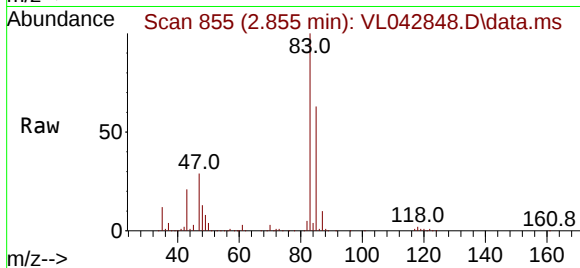
VSTDIC015

Tgt Ion: 83 Resp: 360661

Ion Ratio Lower Upper

83 100

85 63.0 51.1 76.7



#30

Cyclohexane

Concen: 14.088 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.003 min

Lab File: VL042848.D

Acq: 13 Aug 2025 12:06

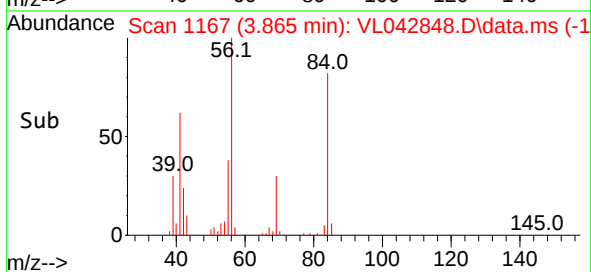
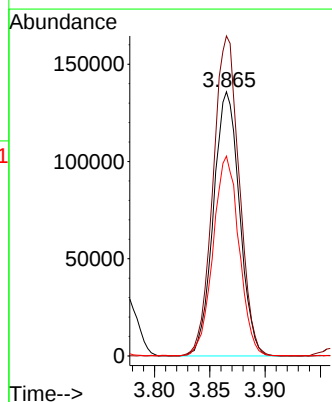
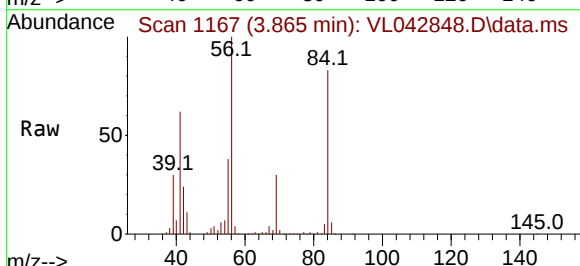
Tgt Ion: 84 Resp: 222820

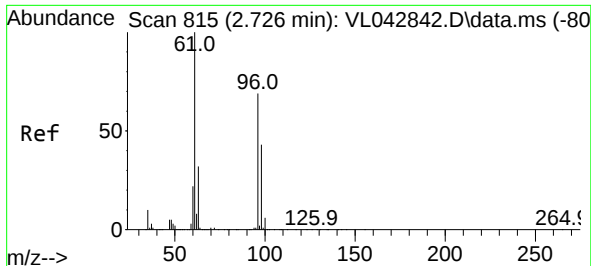
Ion Ratio Lower Upper

84 100

56 121.5 98.8 148.2

41 75.1 61.3 91.9

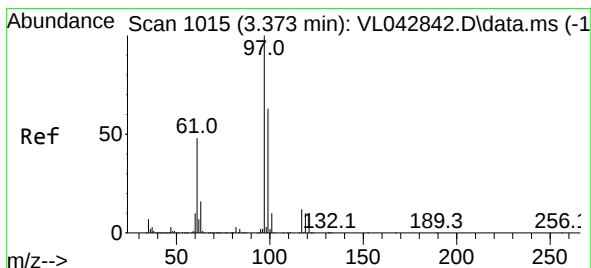
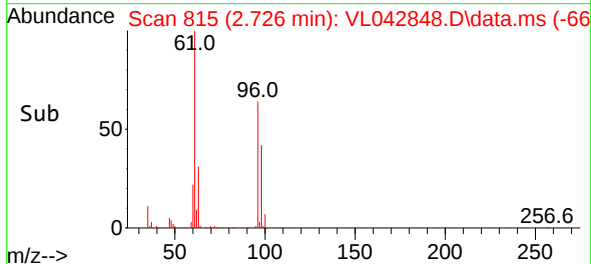
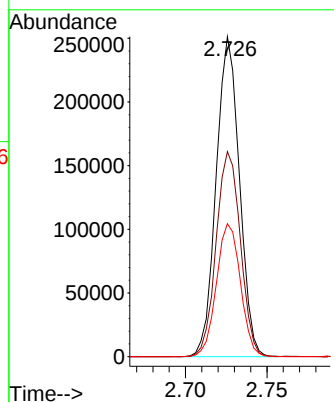
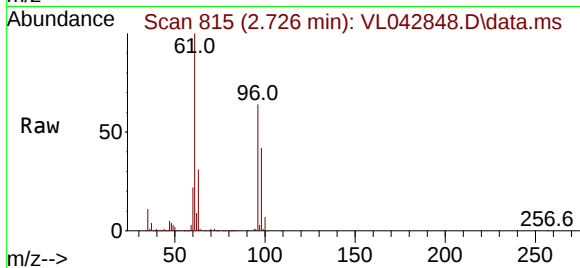




#31
 cis-1,2-Dichloroethene
 Concen: 13.821 ppbv
 RT: 2.726 min Scan# 815
 Delta R.T. 0.000 min
 Lab File: VL042848.D
 Acq: 13 Aug 2025 12:06

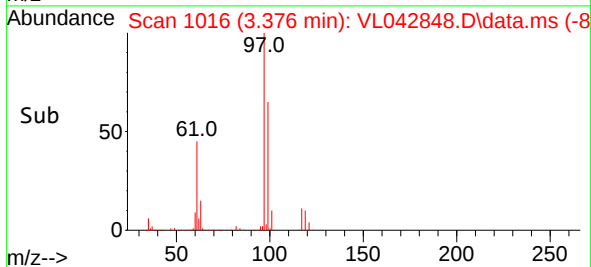
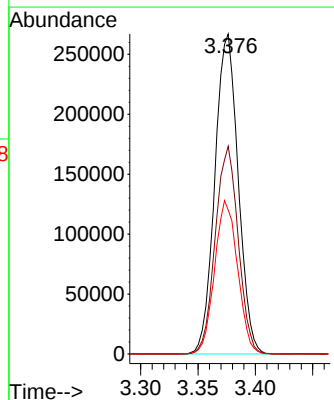
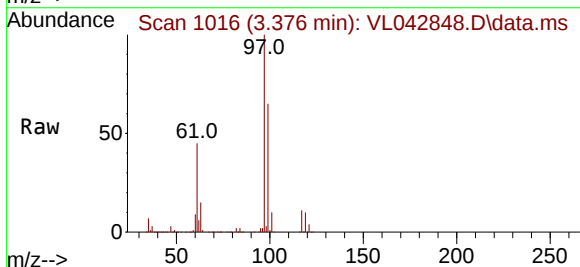
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

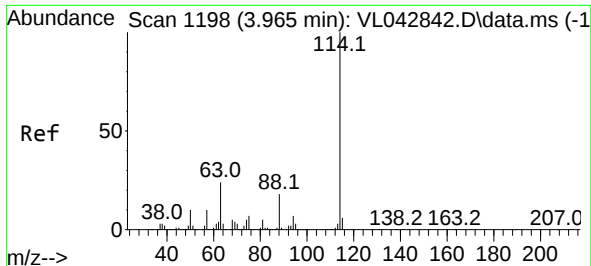
Tgt Ion: 61 Resp: 249376
 Ion Ratio Lower Upper
 61 100
 96 64.1 55.0 82.6
 98 41.6 34.3 51.5



#32
 1,1,1-Trichloroethane
 Concen: 13.851 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.003 min
 Lab File: VL042848.D
 Acq: 13 Aug 2025 12:06

Tgt Ion: 97 Resp: 377739
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.0 76.6
 61 47.2 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: VL042848.D

Acq: 13 Aug 2025 12:06

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC015

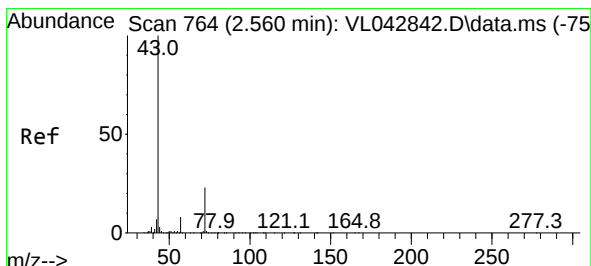
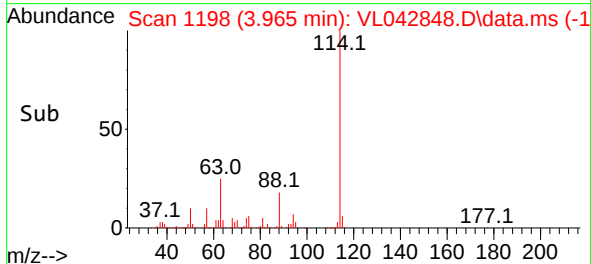
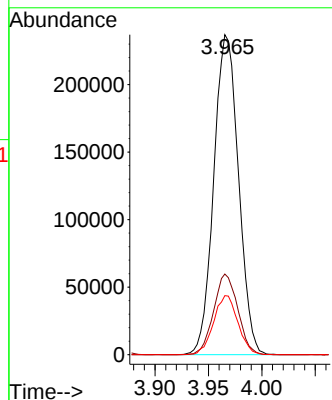
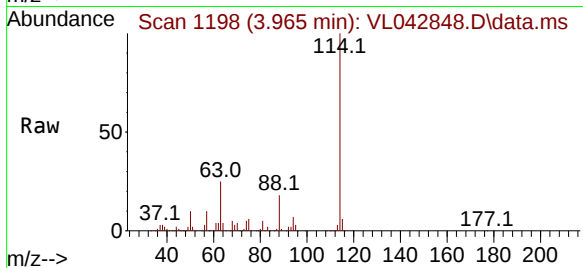
Tgt Ion:114 Resp: 380877

Ion Ratio Lower Upper

114 100

63 24.6 19.7 29.5

88 18.1 14.4 21.6



#34

2-Butanone

Concen: 13.563 ppbv

RT: 2.561 min Scan# 764

Delta R.T. 0.000 min

Lab File: VL042848.D

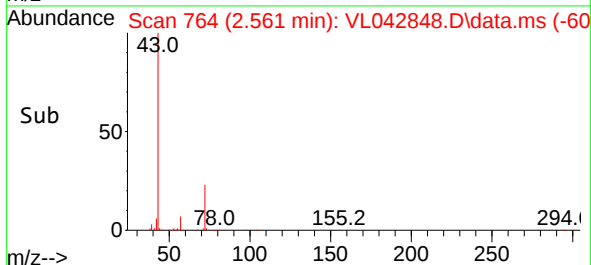
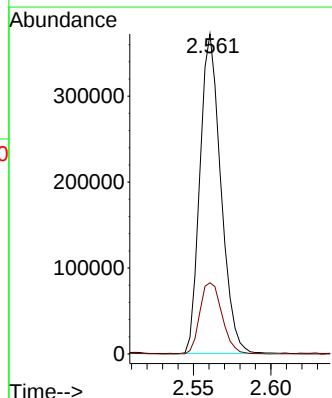
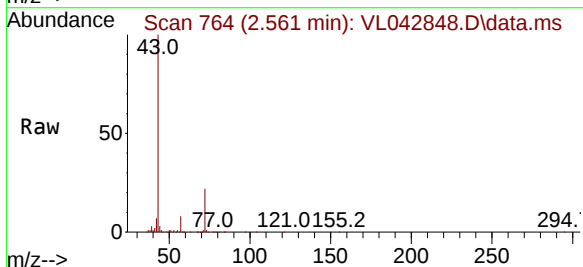
Acq: 13 Aug 2025 12:06

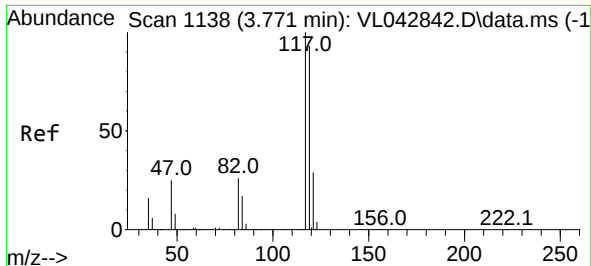
Tgt Ion: 43 Resp: 348815

Ion Ratio Lower Upper

43 100

72 23.8 18.6 28.0

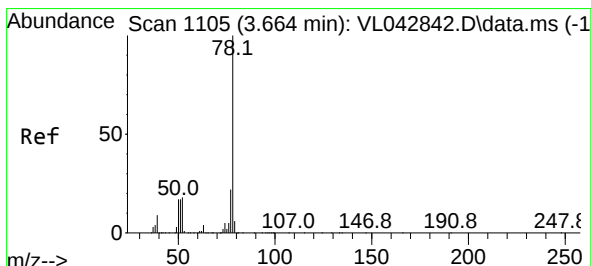
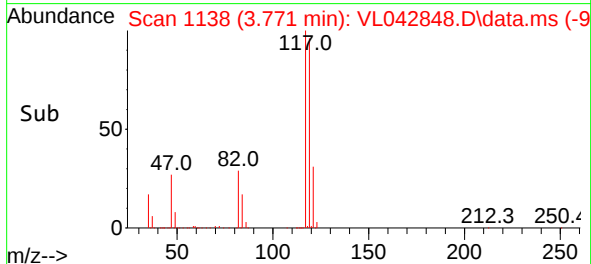
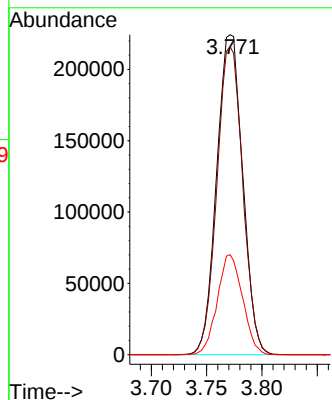
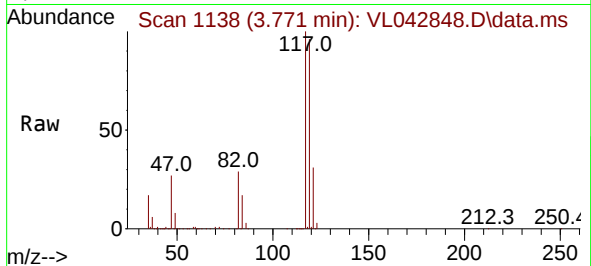




#35
Carbon Tetrachloride
Concen: 13.990 ppbv
RT: 3.771 min Scan# 1138
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

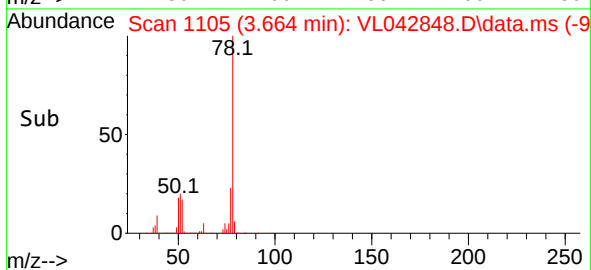
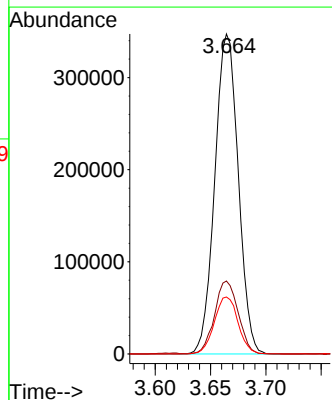
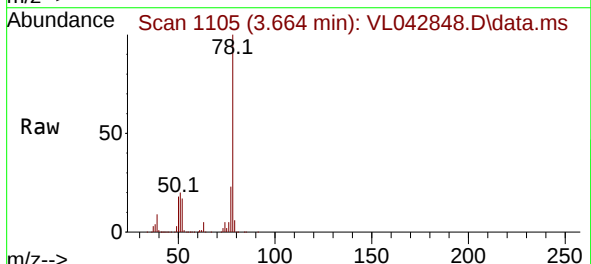
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

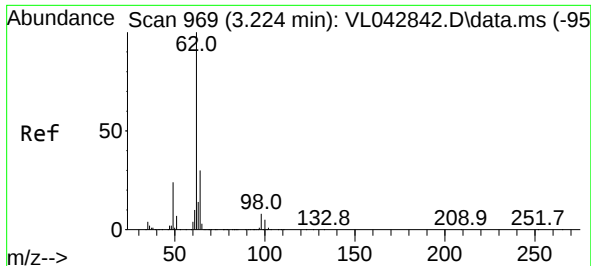
Tgt Ion:117 Resp: 367354
Ion Ratio Lower Upper
117 100
119 96.3 74.7 112.1
121 31.2 23.2 34.8



#36
Benzene
Concen: 14.033 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 78 Resp: 511811
Ion Ratio Lower Upper
78 100
77 22.8 17.7 26.5
50 17.8 13.9 20.9





#37

1,2-Dichloroethane

Concen: 14.639 ppbv

RT: 3.224 min Scan# 969

Delta R.T. 0.000 min

Lab File: VL042848.D

Acq: 13 Aug 2025 12:06

Instrument :

MSVOA_L

ClientSampleId :

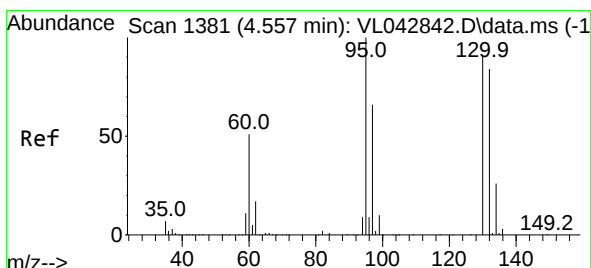
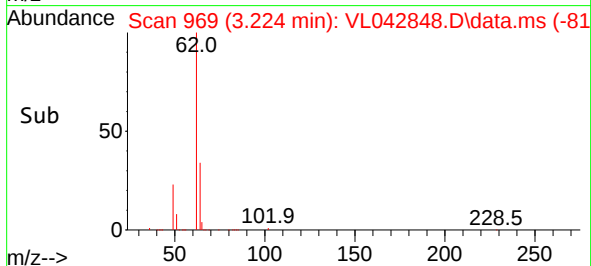
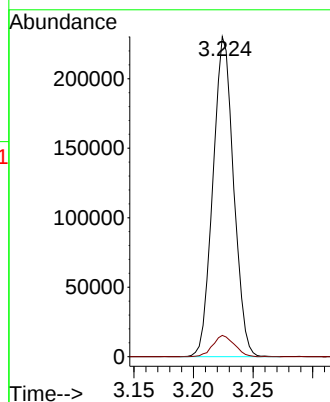
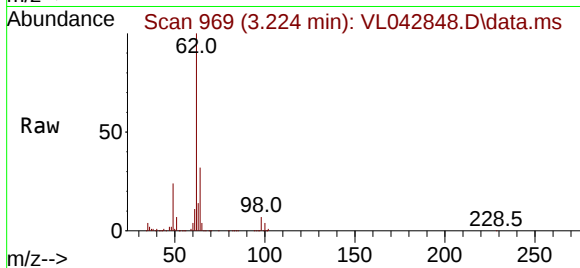
VSTDIC015

Tgt Ion: 62 Resp: 278934

Ion Ratio Lower Upper

62 100

98 6.9 5.9 8.9



#38

Trichloroethene

Concen: 13.634 ppbv

RT: 4.558 min Scan# 1381

Delta R.T. 0.000 min

Lab File: VL042848.D

Acq: 13 Aug 2025 12:06

Tgt Ion:130 Resp: 227091

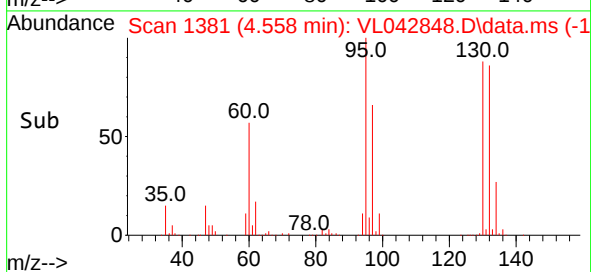
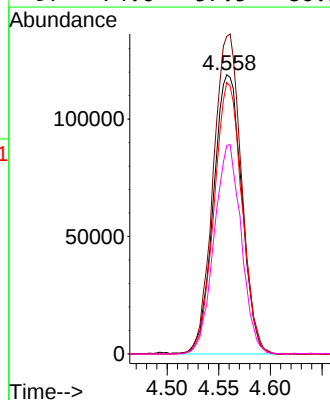
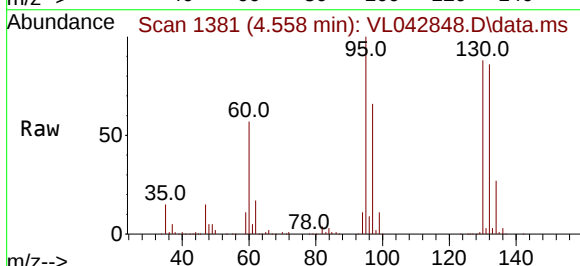
Ion Ratio Lower Upper

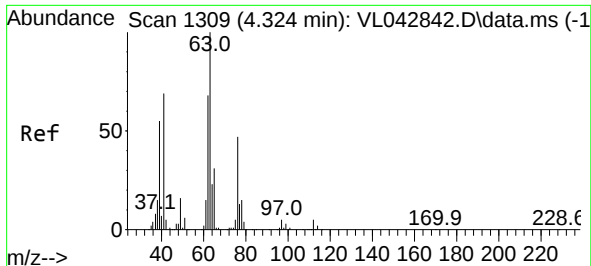
130 100

95 113.8 87.6 131.4

132 97.3 73.8 110.8

97 74.6 57.5 86.3





#39

1,2-Dichloropropane

Concen: 13.984 ppbv

RT: 4.325 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL042848.D

Acq: 13 Aug 2025 12:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

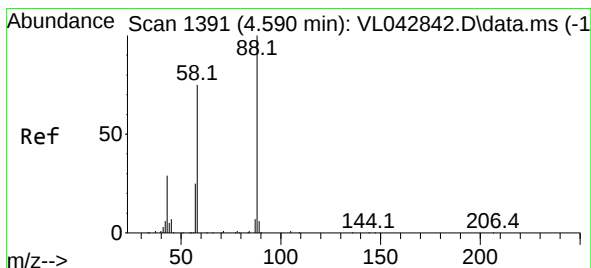
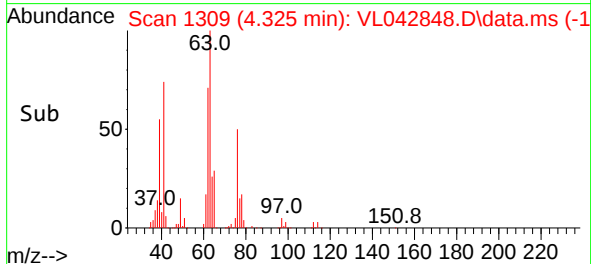
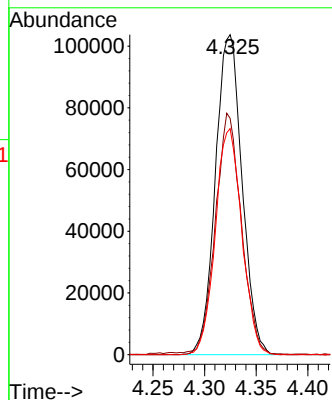
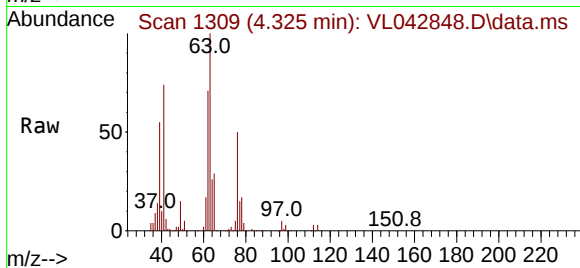
Tgt Ion: 63 Resp: 186277

Ion Ratio Lower Upper

63 100

41 73.5 55.0 82.4

62 70.6 54.4 81.6



#40

1,4-Dioxane

Concen: 13.212 ppbv

RT: 4.593 min Scan# 1392

Delta R.T. 0.003 min

Lab File: VL042848.D

Acq: 13 Aug 2025 12:06

Tgt Ion: 88 Resp: 82385

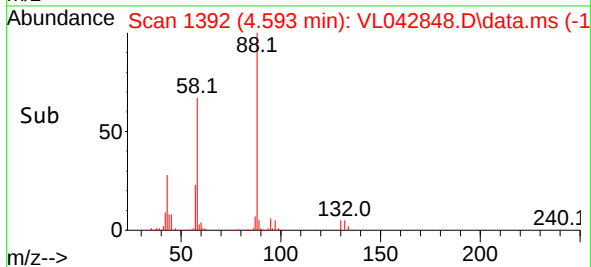
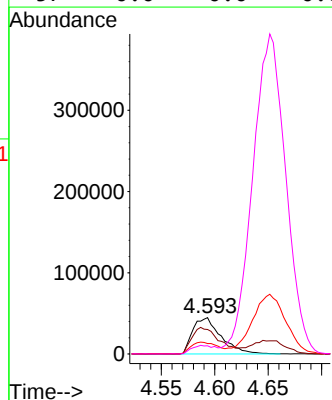
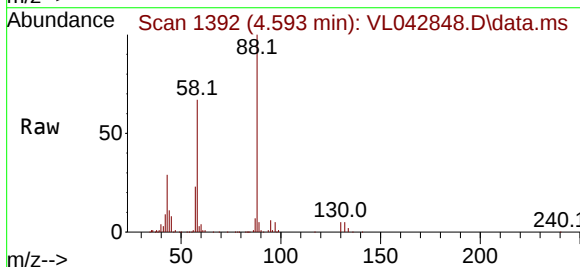
Ion Ratio Lower Upper

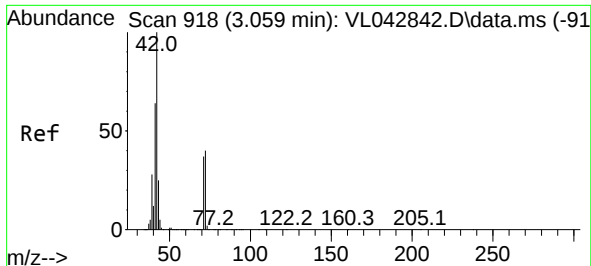
88 100

58 73.5 53.8 80.6

43 33.9 22.8 34.2

57 0.0 0.0 0.0

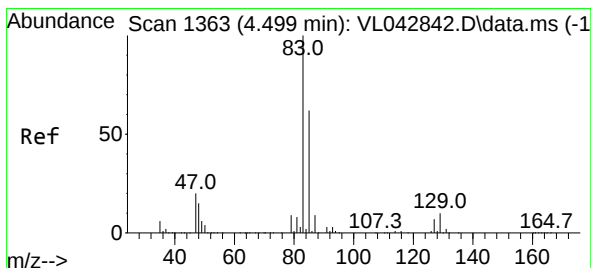
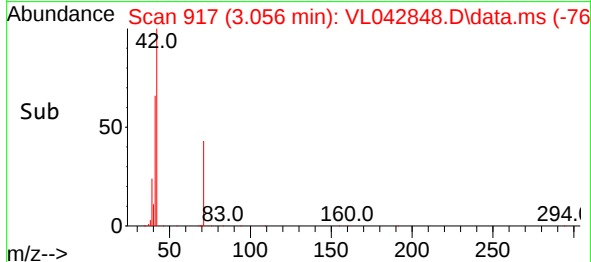
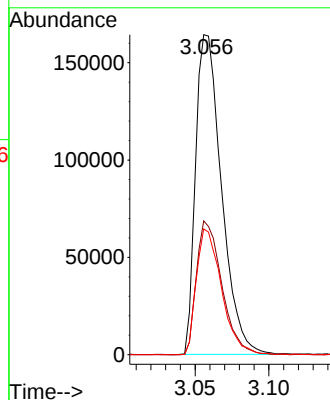
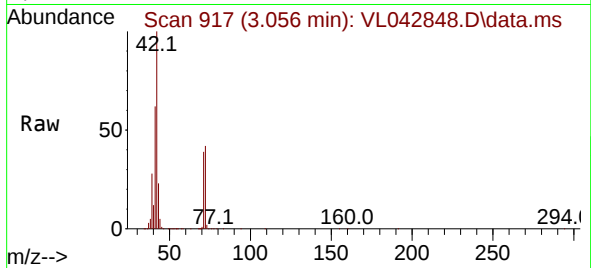




#41
Tetrahydrofuran
Concen: 14.001 ppbv
RT: 3.056 min Scan# 918
Delta R.T. -0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

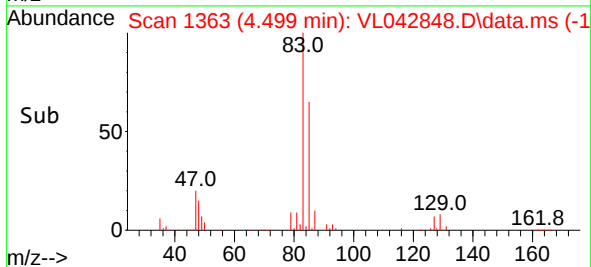
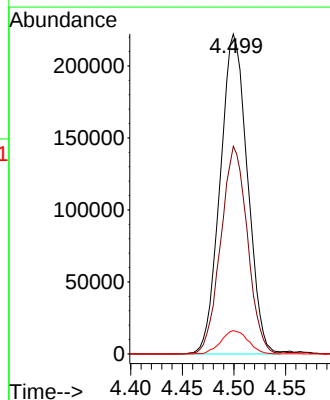
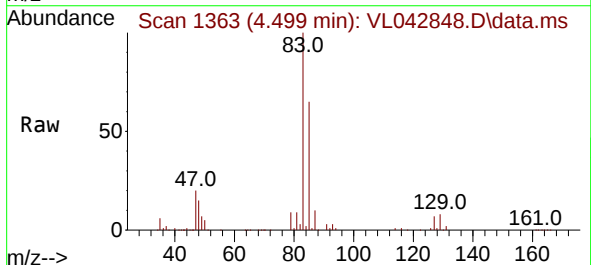
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

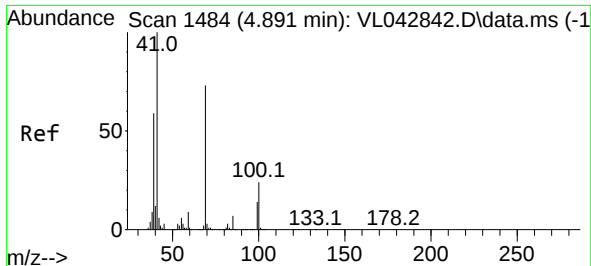
Tgt Ion: 42 Resp: 200751
Ion Ratio Lower Upper
42 100
72 41.0 32.6 48.8
71 38.4 30.0 45.0



#42
Bromodichloromethane
Concen: 14.372 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 83 Resp: 408089
Ion Ratio Lower Upper
83 100
85 64.9 49.8 74.8
127 7.3 5.8 8.6

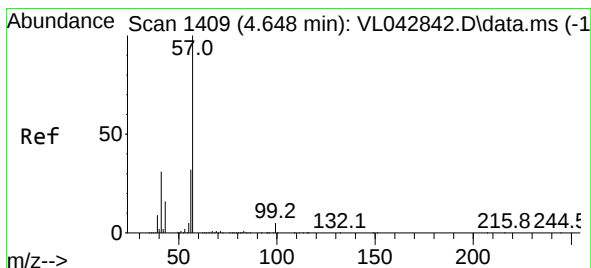
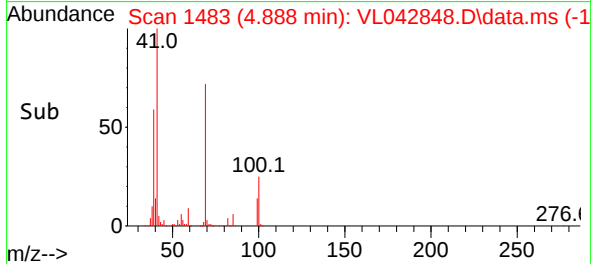
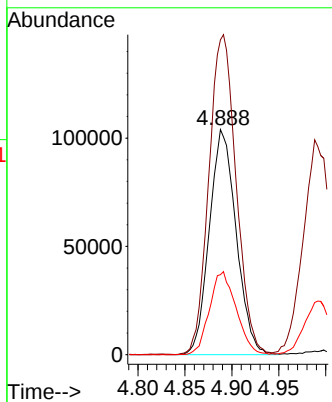
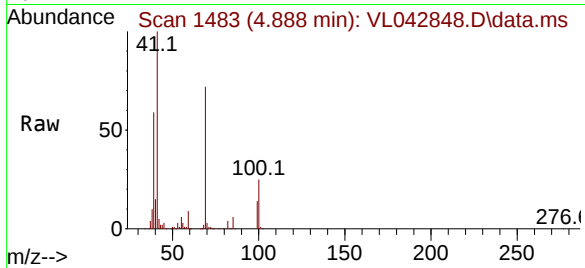




#43
Methyl Methacrylate
Concen: 13.808 ppbv
RT: 4.888 min Scan# 1410
Delta R.T. -0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

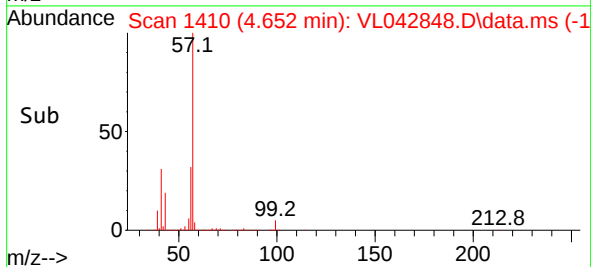
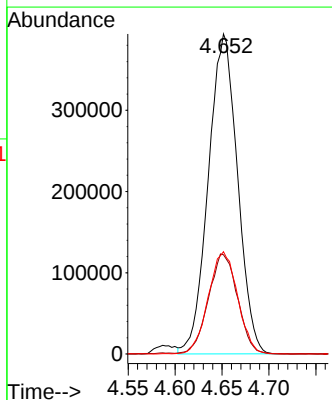
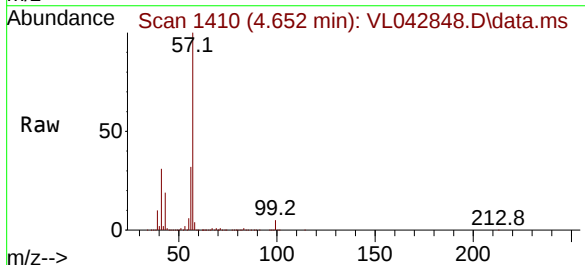
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

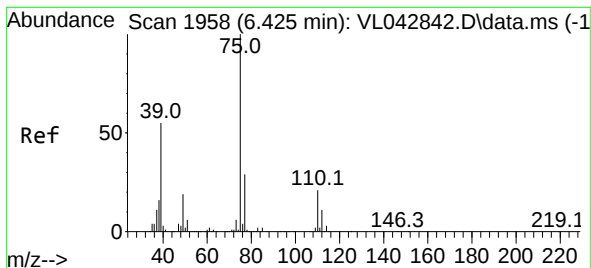
Tgt Ion: 69 Resp: 206590
Ion Ratio Lower Upper
69 100
41 144.8 114.6 172.0
100 36.8 30.2 45.4



#44
2,2,4-Trimethylpentane
Concen: 13.895 ppbv
RT: 4.652 min Scan# 1410
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 57 Resp: 850847
Ion Ratio Lower Upper
57 100
41 31.5 24.8 37.2
56 32.1 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 14.387 ppbv

RT: 6.428 min Scan# 1958

Delta R.T. 0.003 min

Lab File: VL042848.D

Acq: 13 Aug 2025 12:06

Instrument :

MSVOA_L

ClientSampleId :

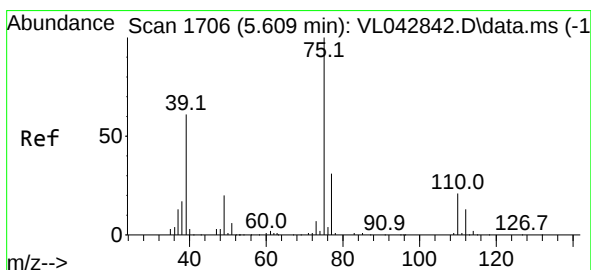
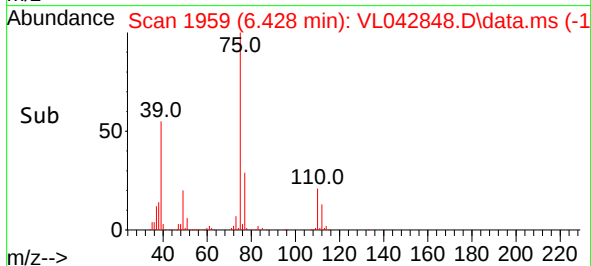
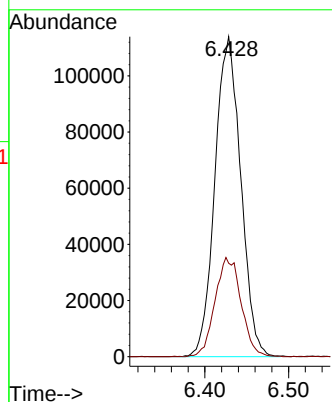
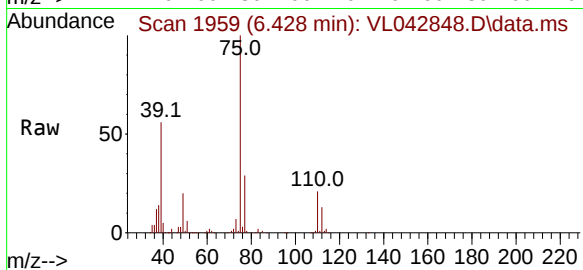
VSTDIC015

Tgt Ion: 75 Resp: 244117

Ion Ratio Lower Upper

75 100

77 29.2 23.8 35.6



#46

cis-1,3-Dichloropropene

Concen: 14.191 ppbv

RT: 5.616 min Scan# 1708

Delta R.T. 0.007 min

Lab File: VL042848.D

Acq: 13 Aug 2025 12:06

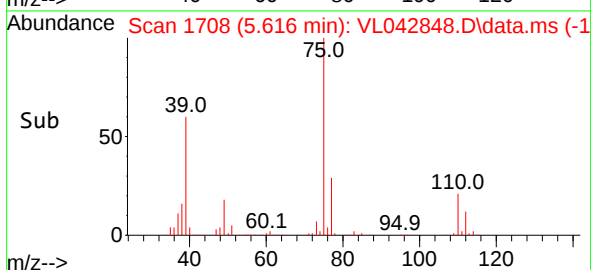
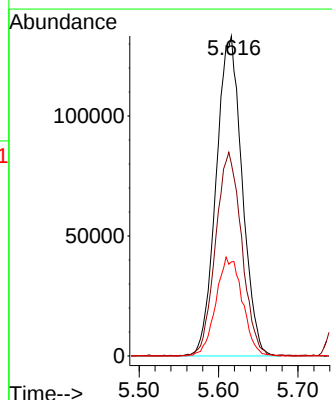
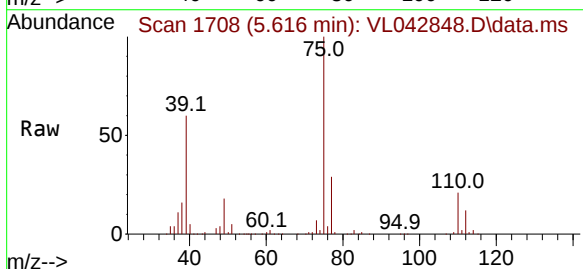
Tgt Ion: 75 Resp: 302339

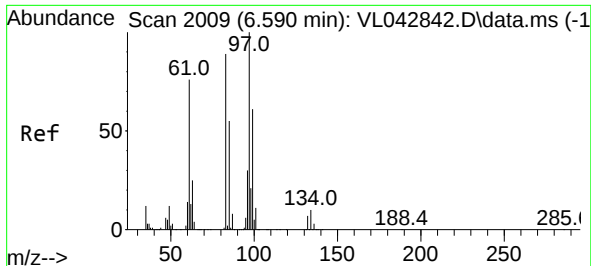
Ion Ratio Lower Upper

75 100

39 59.9 48.9 73.3

77 29.4 24.9 37.3



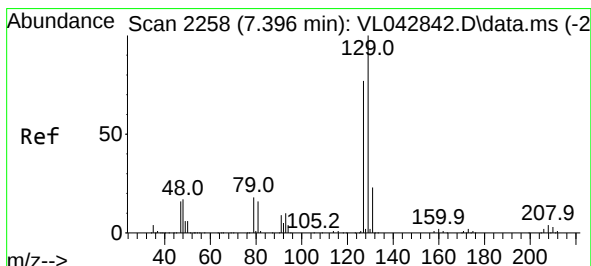
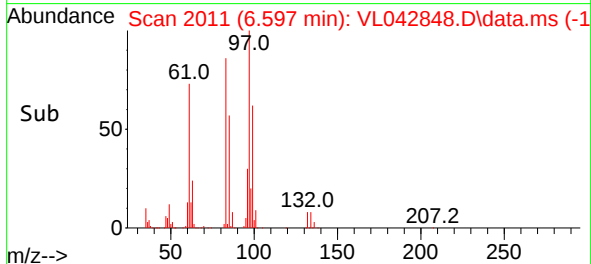
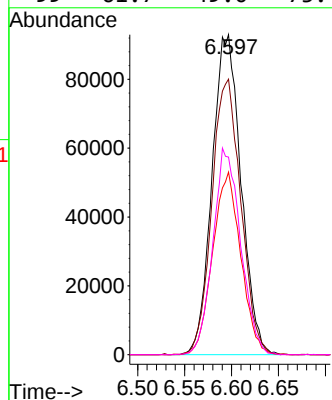
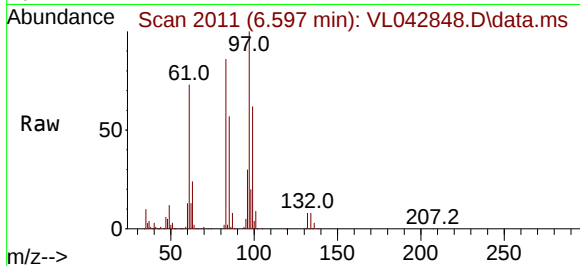


#47
1,1,2-Trichloroethane
Concen: 14.118 ppbv
RT: 6.597 min Scan# 2009
Delta R.T. 0.007 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 97 Resp: 199067

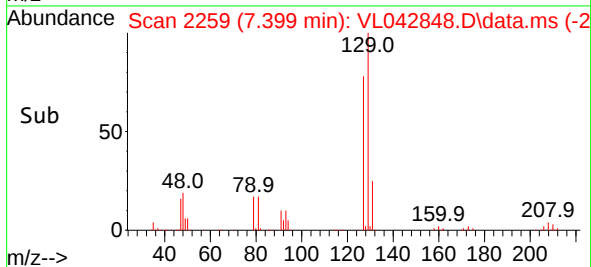
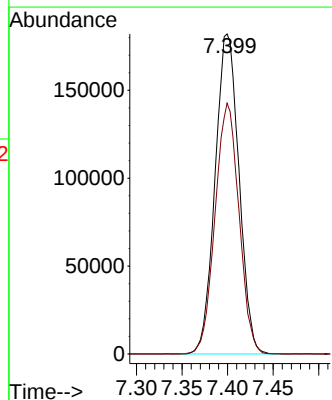
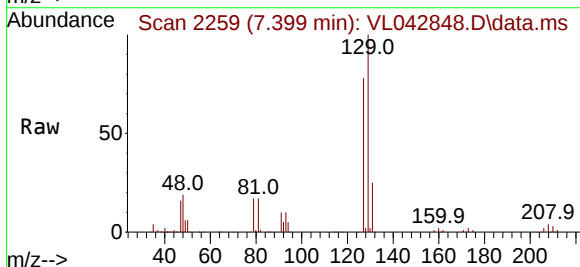
Ion	Ratio	Lower	Upper
97	100		
83	86.0	71.0	106.4
85	57.0	43.6	65.4
99	61.7	49.0	73.4

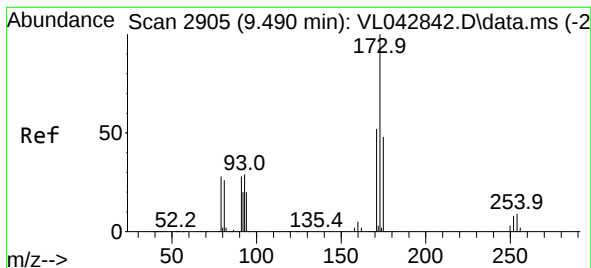


#48
Dibromochloromethane
Concen: 14.535 ppbv
RT: 7.399 min Scan# 2259
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 129 Resp: 331947

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.4	118.2





#49

Bromoform

Concen: 14.162 ppbv

RT: 9.494 min Scan# 2905

Delta R.T. 0.003 min

Lab File: VL042848.D

Acq: 13 Aug 2025 12:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

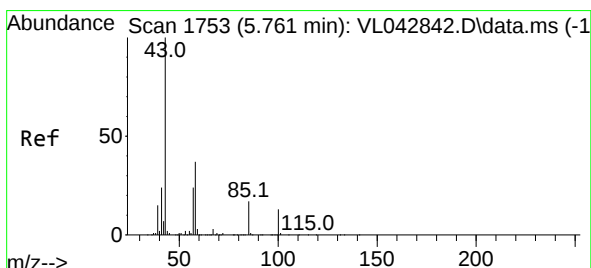
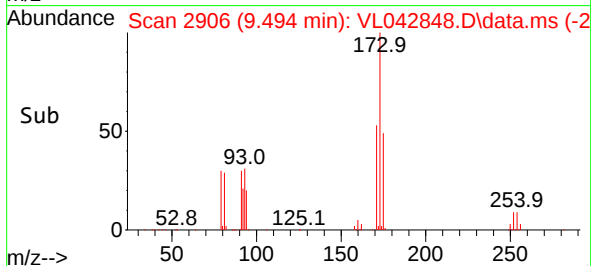
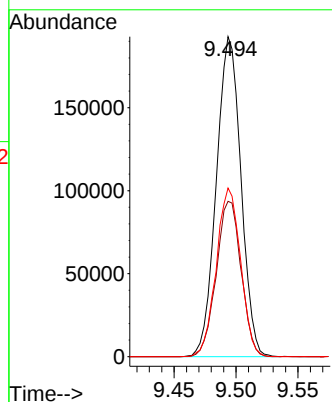
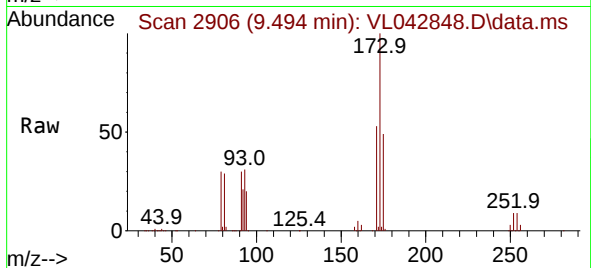
Tgt Ion:173 Resp: 266732

Ion Ratio Lower Upper

173 100

175 49.2 39.2 58.8

171 52.1 41.3 61.9



#50

4-Methyl-2-Pentanone

Concen: 14.073 ppbv

RT: 5.758 min Scan# 1752

Delta R.T. -0.003 min

Lab File: VL042848.D

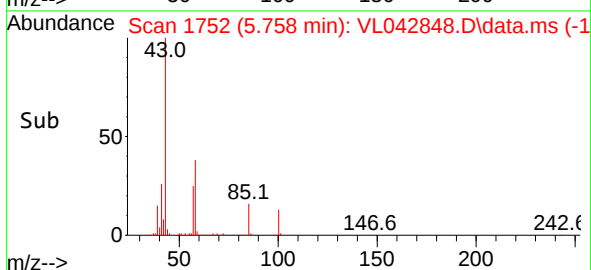
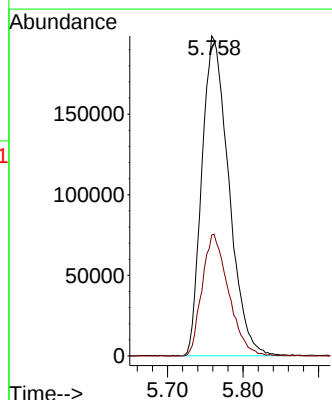
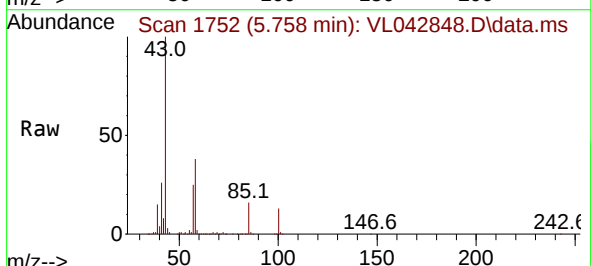
Acq: 13 Aug 2025 12:06

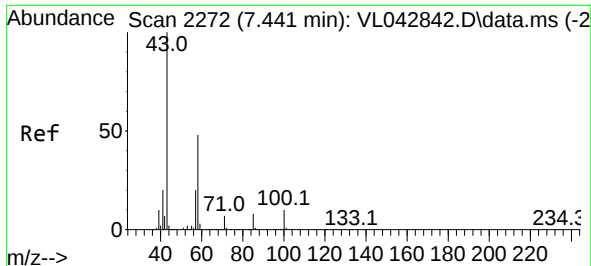
Tgt Ion: 43 Resp: 490917

Ion Ratio Lower Upper

43 100

58 37.5 29.8 44.8

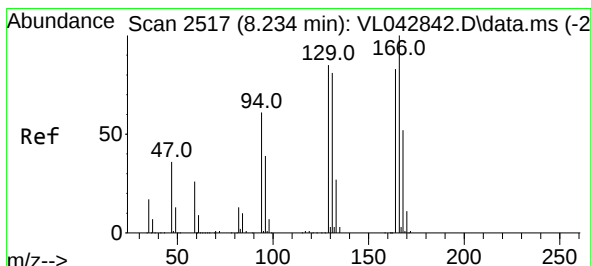
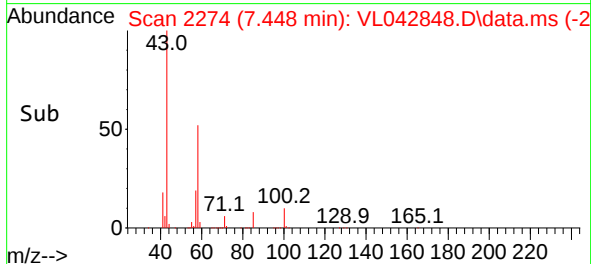
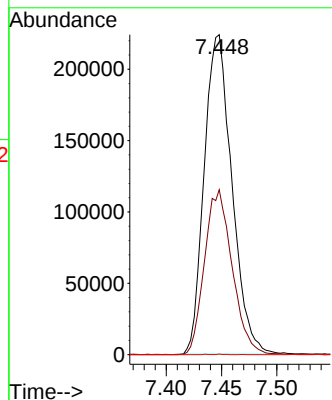
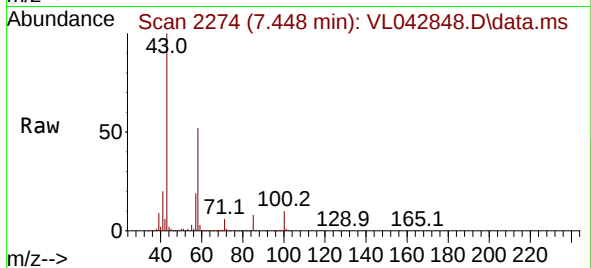




#51
2-Hexanone
Concen: 14.255 ppbv
RT: 7.448 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

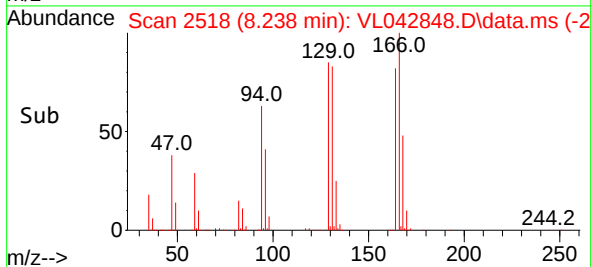
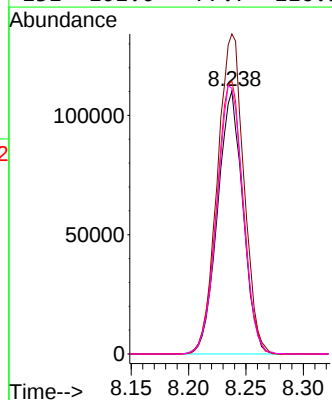
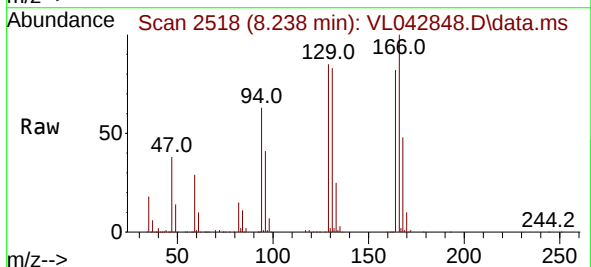
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

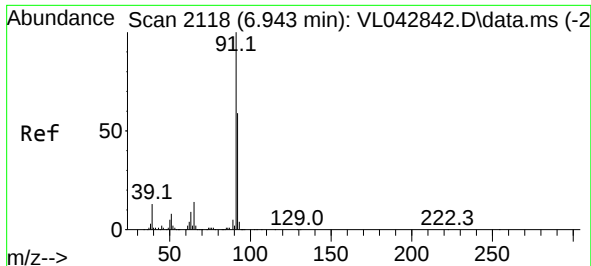
Tgt Ion: 43 Resp: 389940
Ion Ratio Lower Upper
43 100
58 51.6 41.0 61.6
98 0.1 0.1 0.1



#52
Tetrachloroethene
Concen: 12.772 ppbv
RT: 8.238 min Scan# 2518
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:164 Resp: 168712
Ion Ratio Lower Upper
164 100
166 121.7 96.5 144.7
129 103.7 81.8 122.6
131 101.0 77.7 116.5

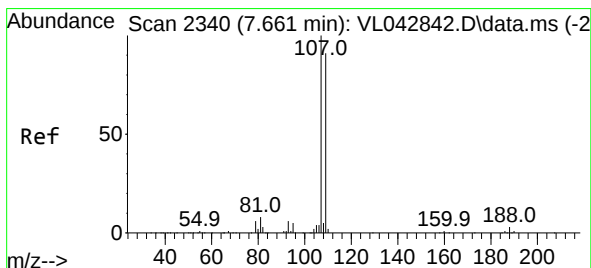
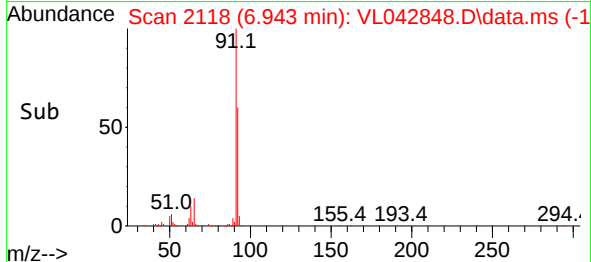
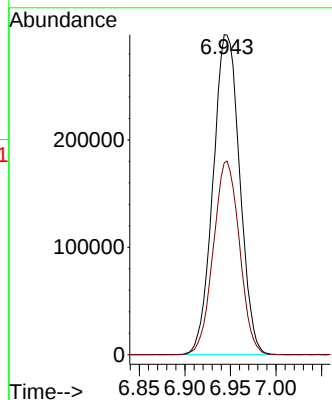
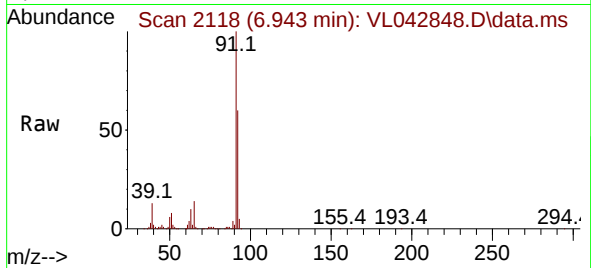




#53
Toluene
Concen: 13.961 ppbv
RT: 6.943 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

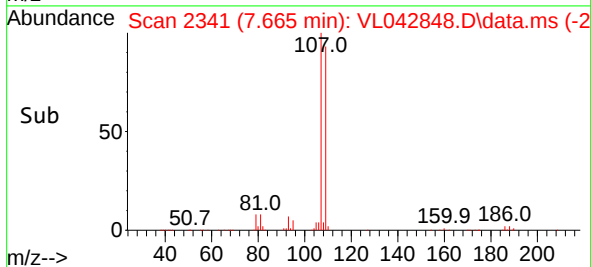
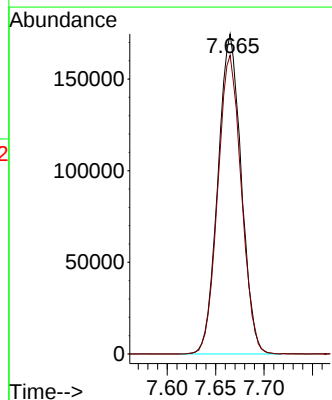
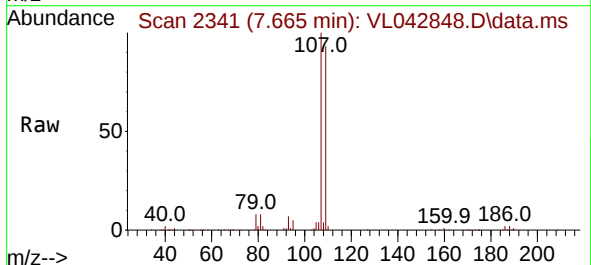
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

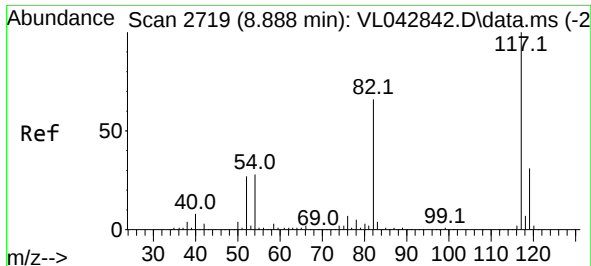
Tgt Ion: 91 Resp: 605941
Ion Ratio Lower Upper
91 100
92 59.4 47.8 71.6



#54
1,2-Dibromoethane
Concen: 14.173 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 107 Resp: 292327
Ion Ratio Lower Upper
107 100
109 93.4 72.5 108.7

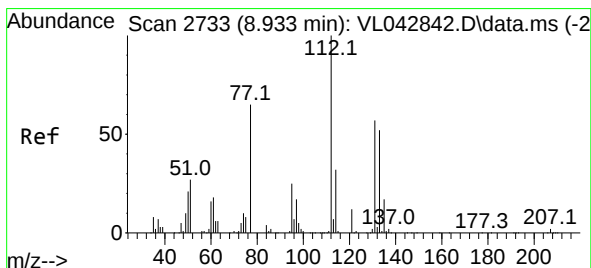
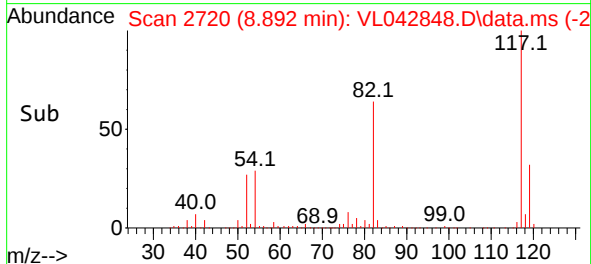
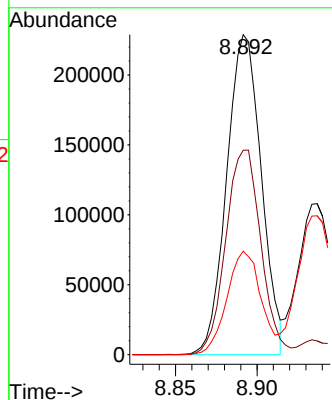
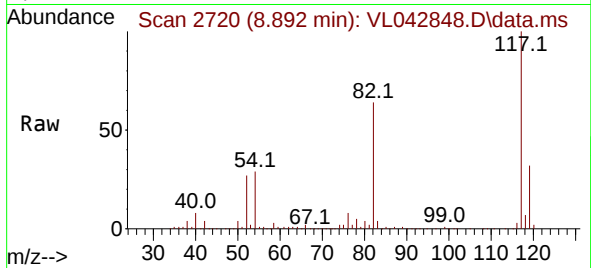




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.892 min Scan# 2719
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

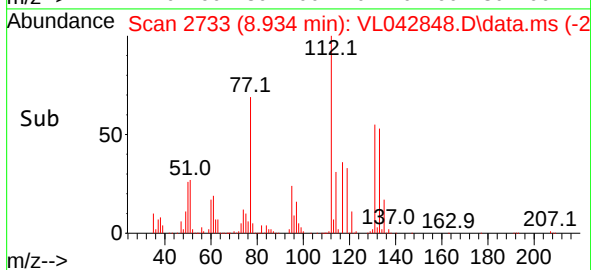
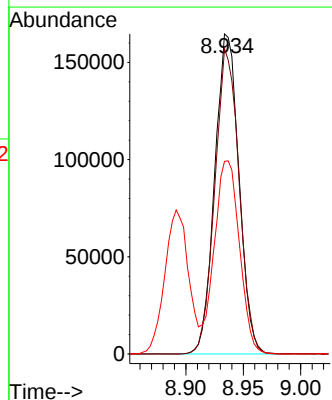
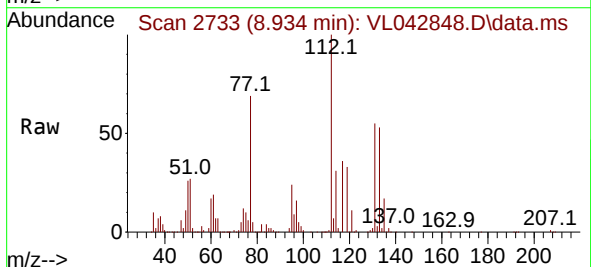
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

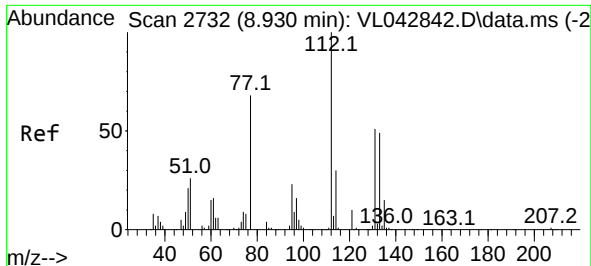
Tgt Ion:117 Resp: 337876
Ion Ratio Lower Upper
117 100
82 65.3 54.6 81.8
119 32.5 25.9 38.9



#56
1,1,1,2-Tetrachloroethane
Concen: 13.810 ppbv
RT: 8.934 min Scan# 2733
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:131 Resp: 241293
Ion Ratio Lower Upper
131 100
133 95.6 77.4 116.0
119 63.4 51.2 76.8

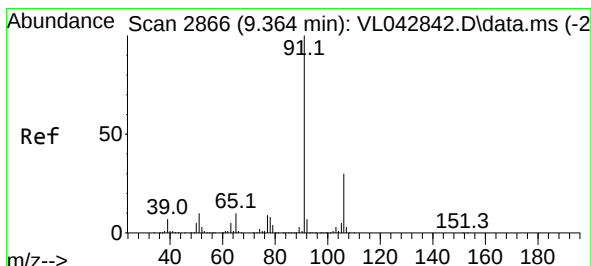
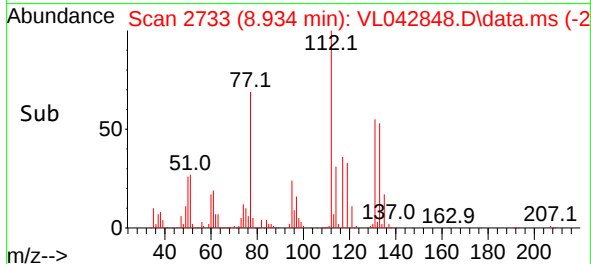
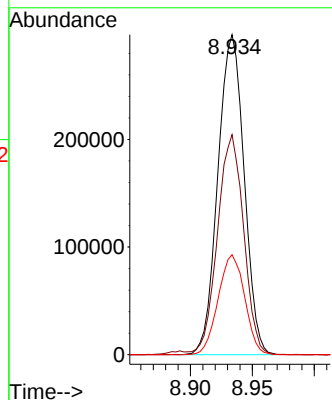
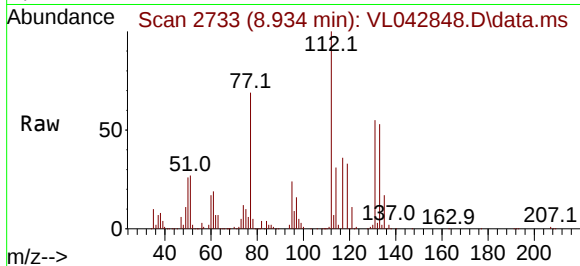




#57
Chlorobenzene
Concen: 13.668 ppbv
RT: 8.934 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

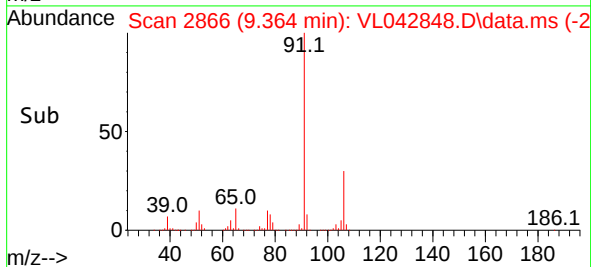
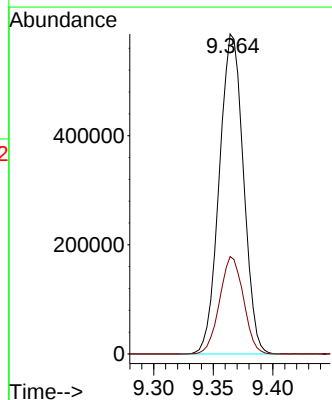
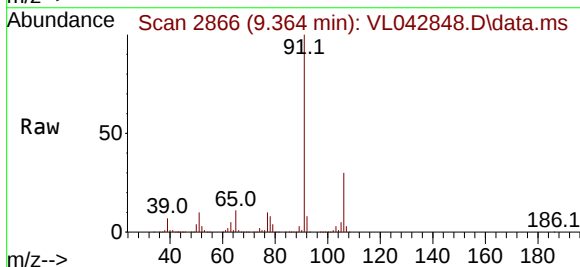
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

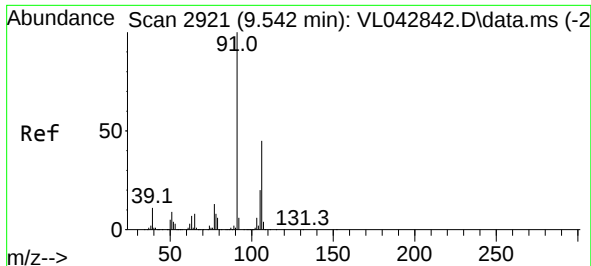
Tgt Ion:112 Resp: 439109
Ion Ratio Lower Upper
112 100
77 68.6 55.5 83.3
114 31.2 27.2 33.2



#58
Ethyl Benzene
Concen: 13.859 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 91 Resp: 826316
Ion Ratio Lower Upper
91 100
106 30.5 23.9 35.9





#59

m/p-Xylene

Concen: 14.262 ppbv

RT: 9.542 min Scan# 2921

Delta R.T. 0.000 min

Lab File: VL042848.D

Acq: 13 Aug 2025 12:06

Instrument :

MSVOA_L

ClientSampleId :

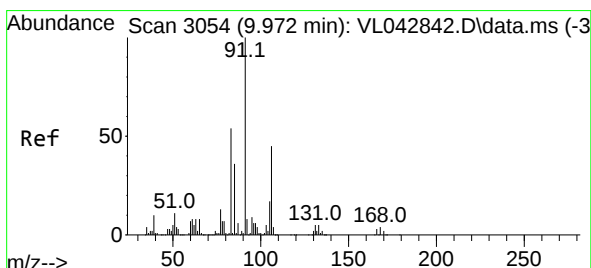
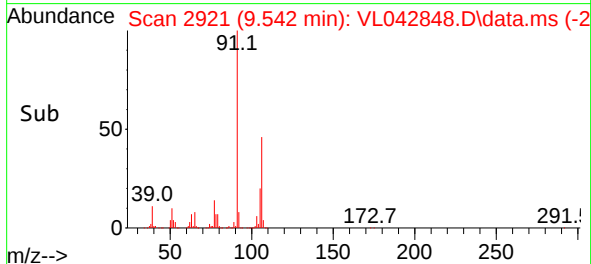
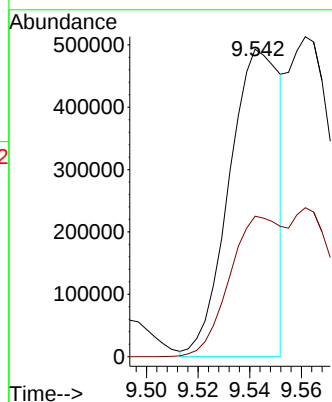
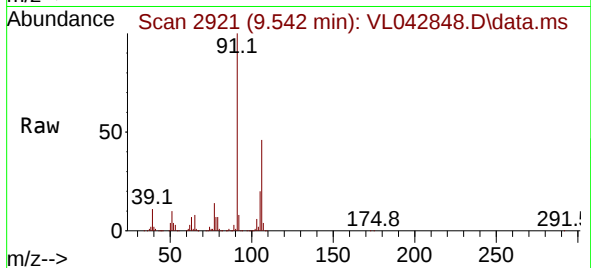
VSTDIC015

Tgt Ion: 91 Resp: 667628

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 13.389 ppbv

RT: 9.973 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VL042848.D

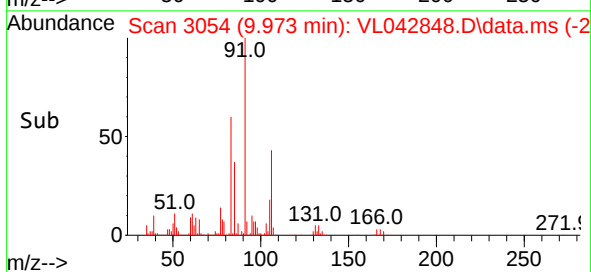
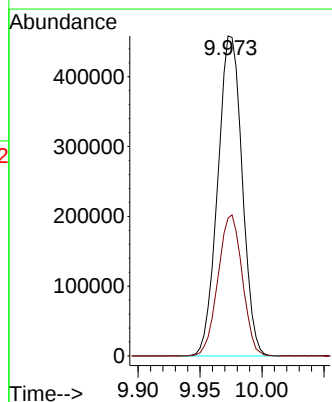
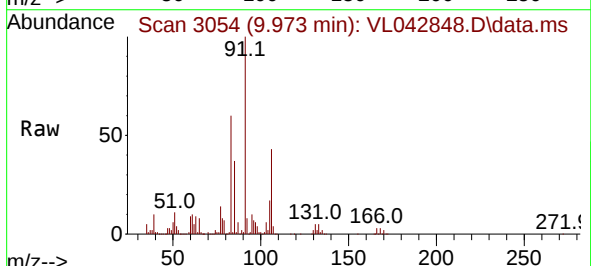
Acq: 13 Aug 2025 12:06

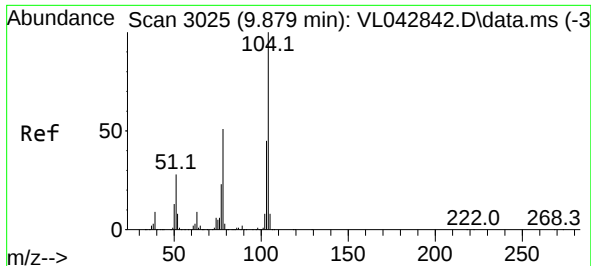
Tgt Ion: 91 Resp: 629445

Ion Ratio Lower Upper

91 100

106 43.9 21.8 65.4

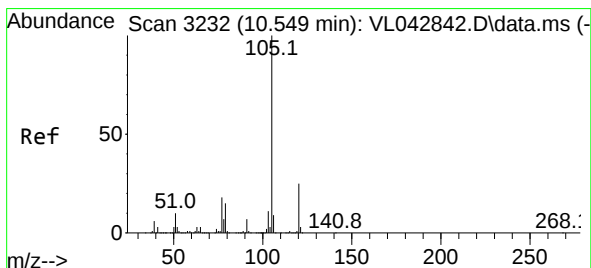
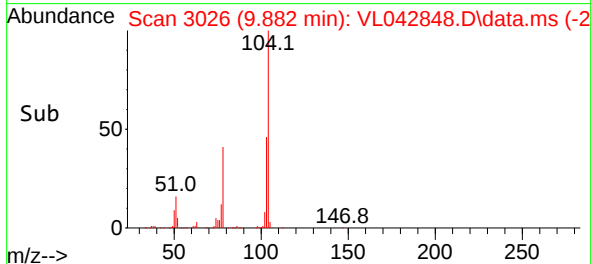
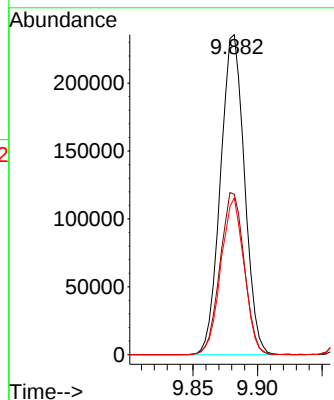
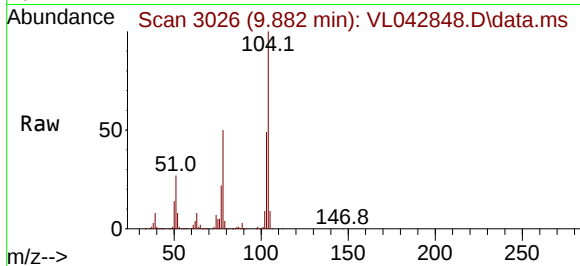




#61
Styrene
Concen: 13.827 ppbv
RT: 9.882 min Scan# 3025
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

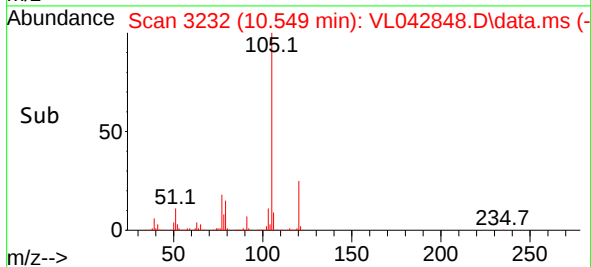
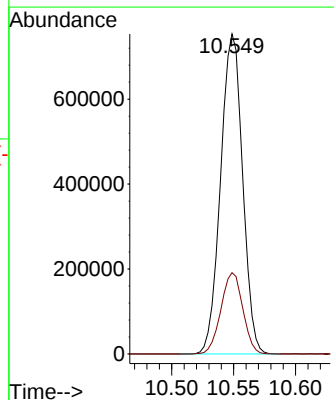
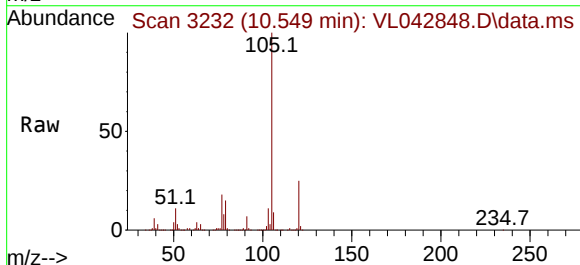
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

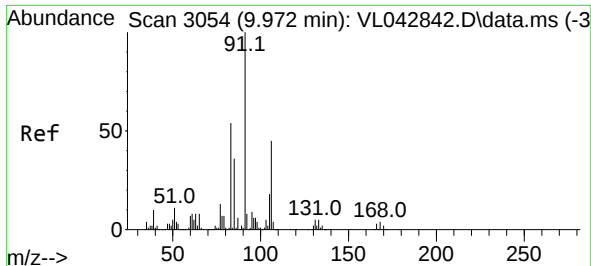
Tgt Ion:104 Resp: 304560
Ion Ratio Lower Upper
104 100
78 51.1 40.6 61.0
103 47.6 37.7 56.5



#62
Isopropylbenzene
Concen: 13.559 ppbv
RT: 10.549 min Scan# 3232
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:105 Resp: 931574
Ion Ratio Lower Upper
105 100
120 25.2 20.6 30.8

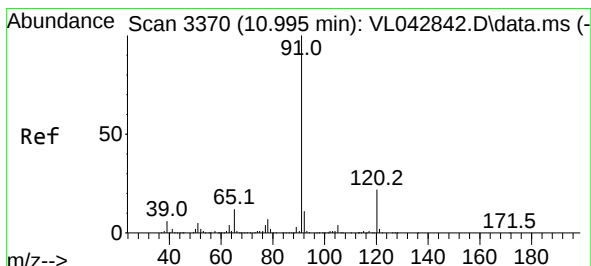
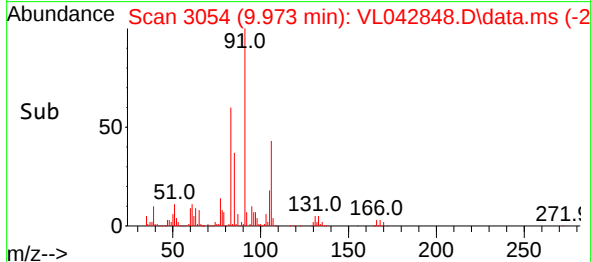
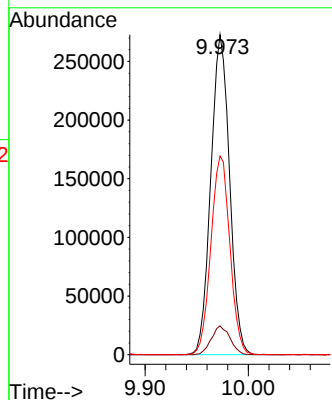
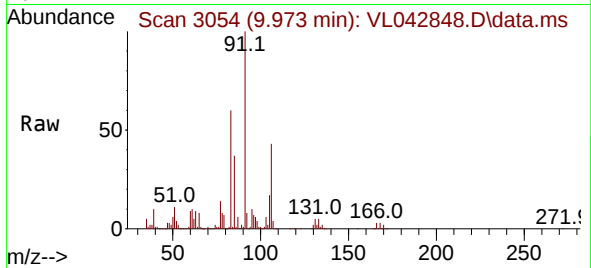




#63
1,1,2,2-Tetrachloroethane
Concen: 13.356 ppbv
RT: 9.973 min Scan# 3054
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

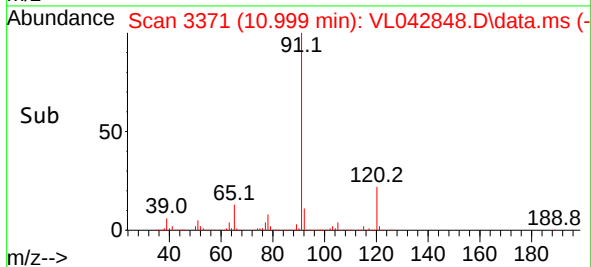
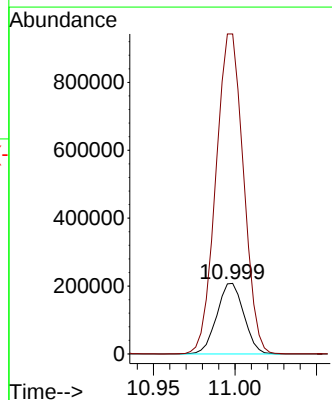
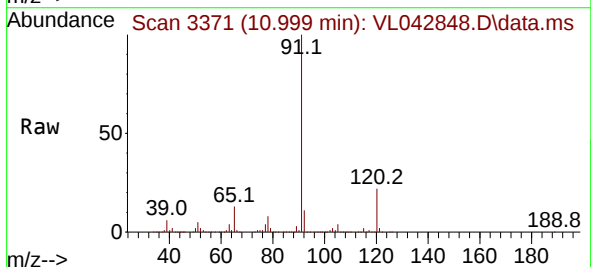
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

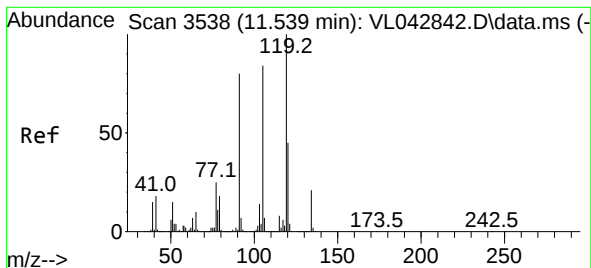
Tgt Ion: 83 Resp: 342890
Ion Ratio Lower Upper
83 100
131 9.0 4.8 14.3
85 63.0 32.3 96.8



#64
n-propylbenzene
Concen: 13.646 ppbv
RT: 10.999 min Scan# 3371
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion: 120 Resp: 239209
Ion Ratio Lower Upper
120 100
91 465.1 375.8 563.6





#65

tert-Butylbenzene

Concen: 12.965 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.000 min

Lab File: VL042848.D

Acq: 13 Aug 2025 12:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

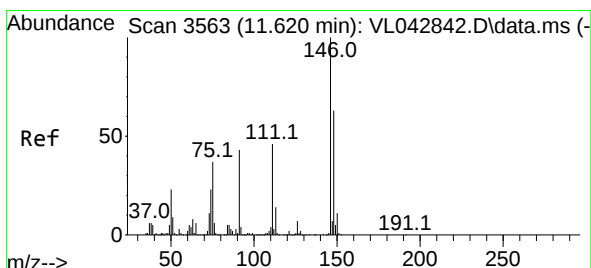
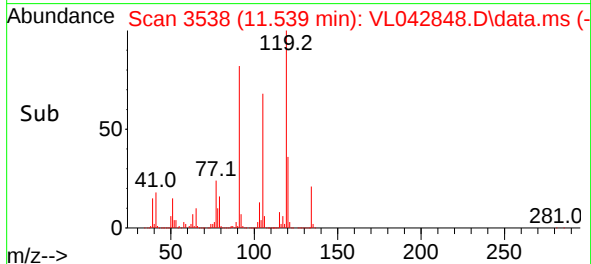
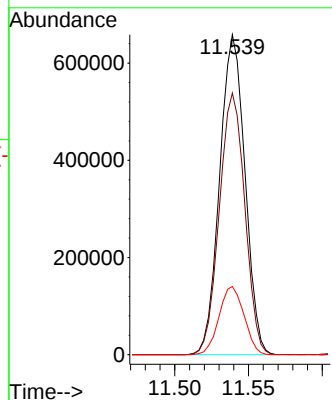
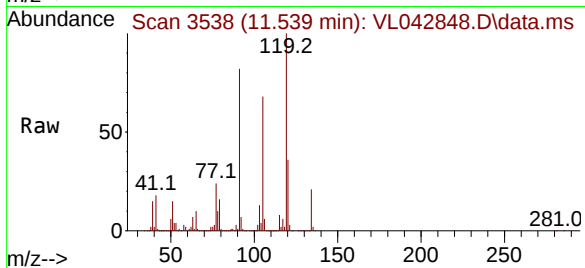
Tgt Ion:119 Resp: 785250

Ion Ratio Lower Upper

119 100

91 82.4 63.9 95.9

134 21.1 17.0 25.4



#66

Benzyl Chloride

Concen: 13.617 ppbv

RT: 11.623 min Scan# 3564

Delta R.T. 0.003 min

Lab File: VL042848.D

Acq: 13 Aug 2025 12:06

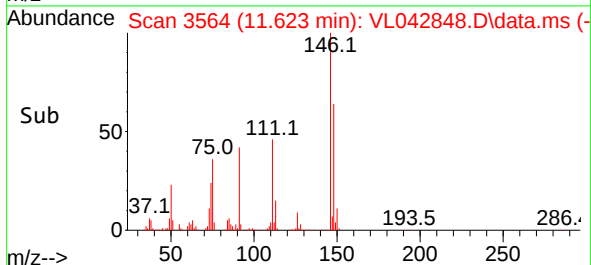
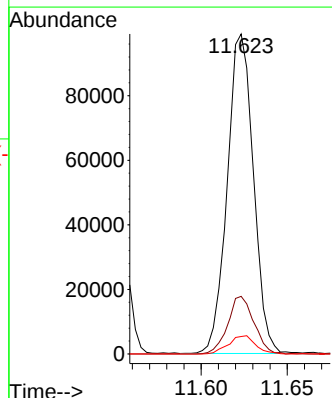
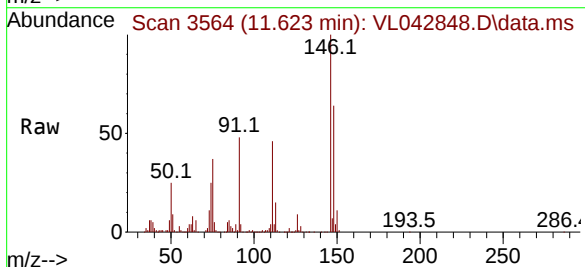
Tgt Ion: 91 Resp: 104698

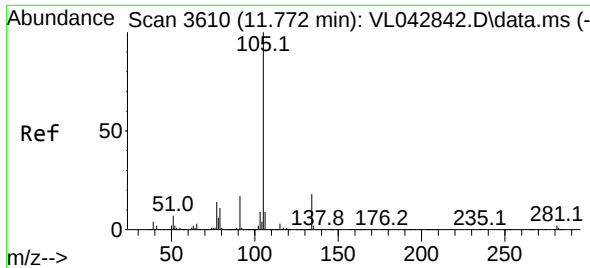
Ion Ratio Lower Upper

91 100

126 18.1 14.2 21.4

128 5.9 5.0 7.6

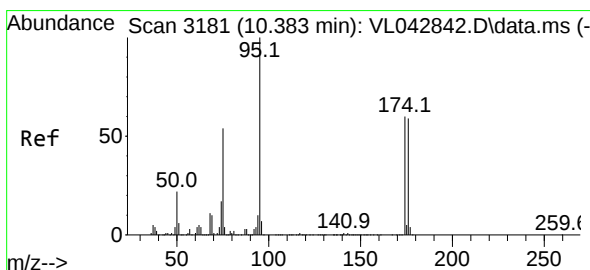
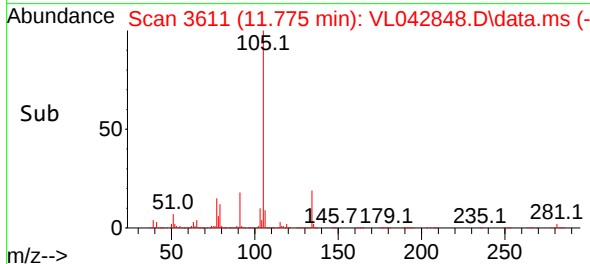
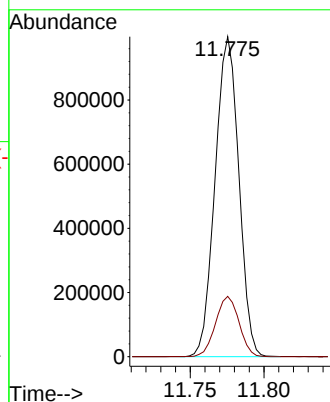
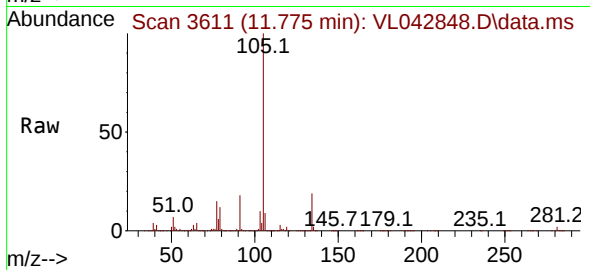




#67
 sec-Butylbenzene
 Concen: 13.127 ppbv
 RT: 11.775 min Scan# 3611
 Delta R.T. 0.003 min
 Lab File: VL042848.D
 Acq: 13 Aug 2025 12:06

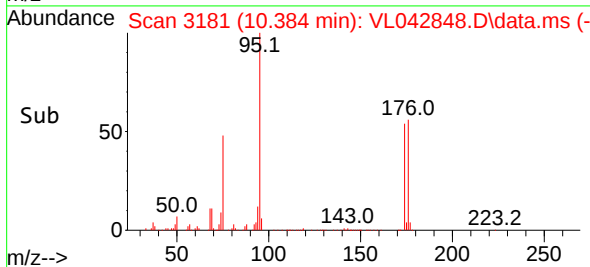
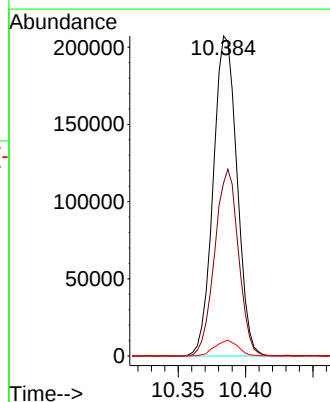
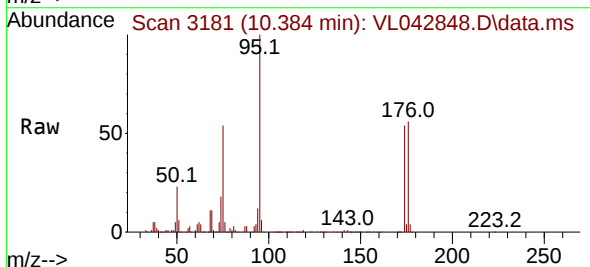
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC015

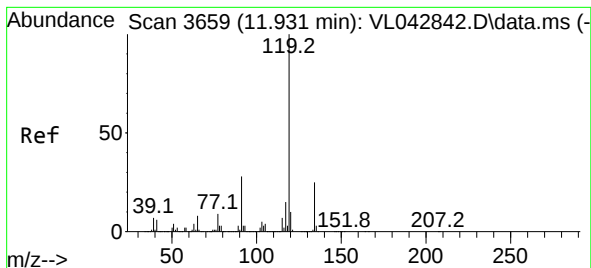
Tgt Ion:105 Resp: 1115979
 Ion Ratio Lower Upper
 105 100
 134 18.7 14.9 22.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.050 ppbv
 RT: 10.384 min Scan# 3181
 Delta R.T. 0.000 min
 Lab File: VL042848.D
 Acq: 13 Aug 2025 12:06

Tgt Ion: 95 Resp: 254655
 Ion Ratio Lower Upper
 95 100
 174 58.3 48.4 72.6
 175 4.8 3.8 5.8

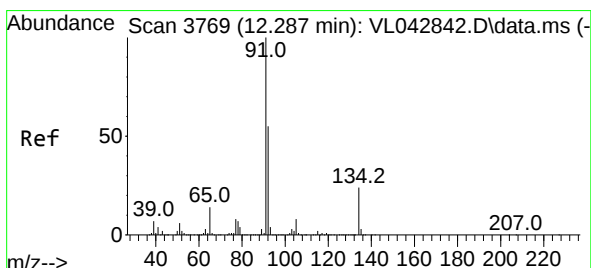
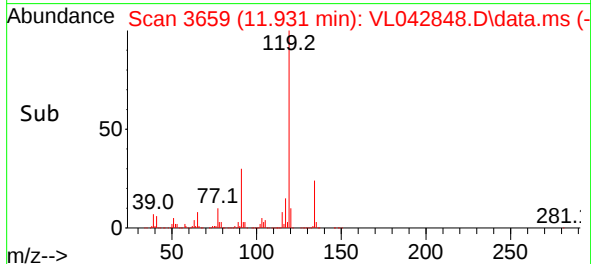
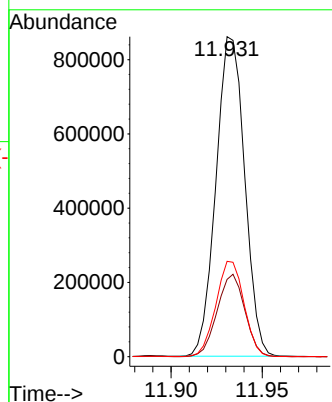
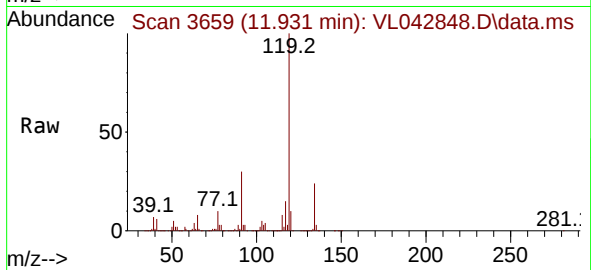




#69
 p-Isopropyltoluene
 Concen: 12.891 ppbv
 RT: 11.931 min Scan# 3659
 Delta R.T. 0.000 min
 Lab File: VL042848.D
 Acq: 13 Aug 2025 12:06

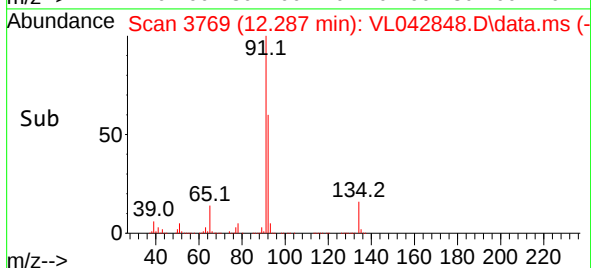
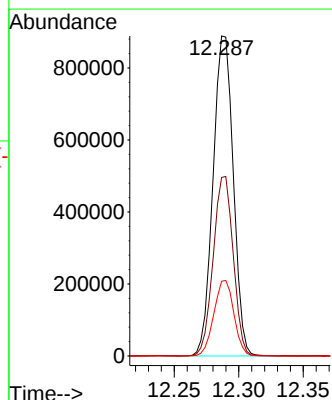
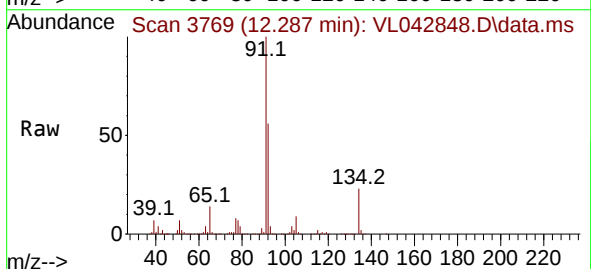
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

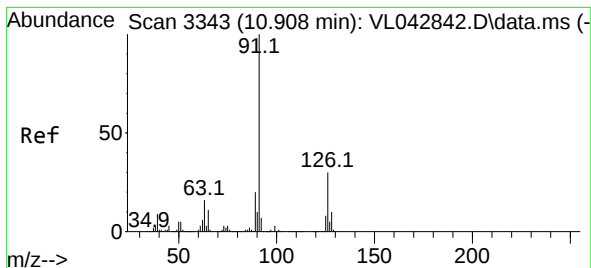
Tgt Ion:119 Resp: 940888
 Ion Ratio Lower Upper
 119 100
 134 25.0 20.6 30.8
 91 29.4 22.6 34.0



#70
 n-Butylbenzene
 Concen: 13.410 ppbv
 RT: 12.287 min Scan# 3769
 Delta R.T. 0.000 min
 Lab File: VL042848.D
 Acq: 13 Aug 2025 12:06

Tgt Ion: 91 Resp: 970700
 Ion Ratio Lower Upper
 91 100
 92 55.5 44.6 66.8
 134 23.3 19.0 28.4

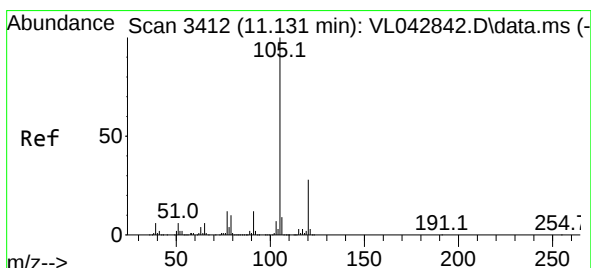
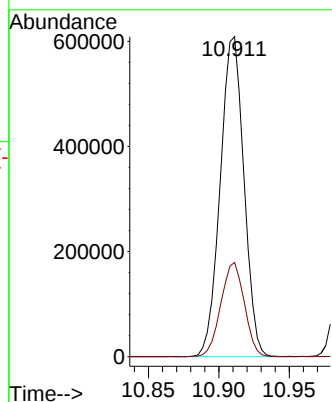
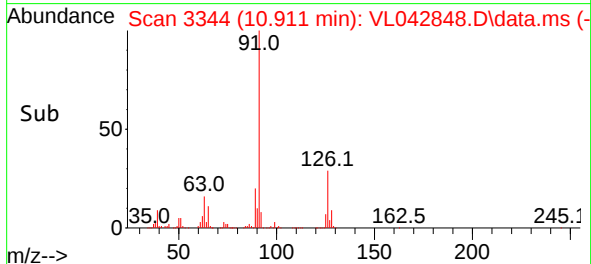
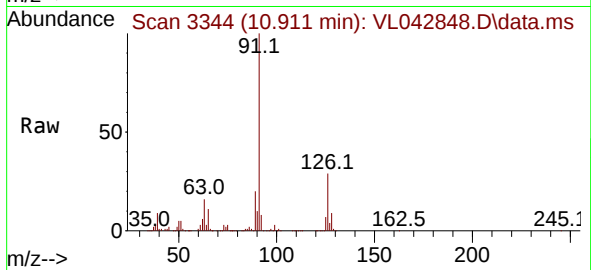




#71
2-Chlorotoluene
Concen: 13.378 ppbv
RT: 10.911 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

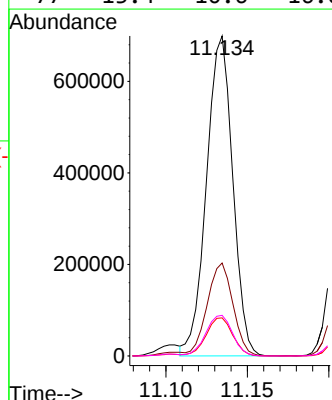
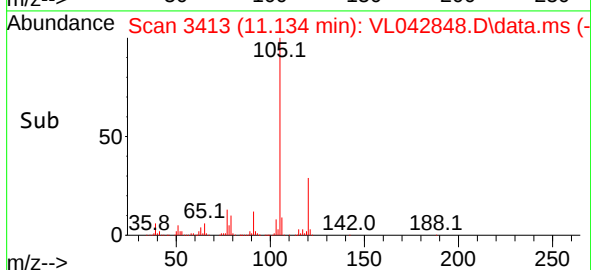
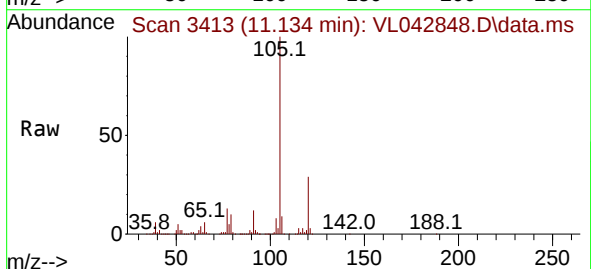
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

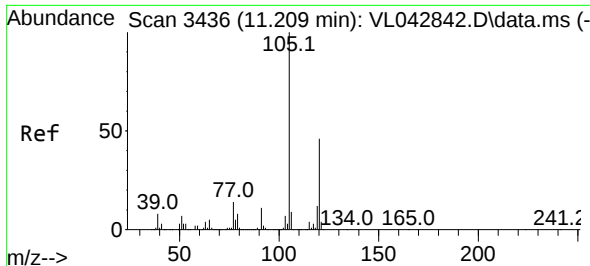
Tgt Ion: 91 Resp: 713696
Ion Ratio Lower Upper
91 100
126 29.2 12.0 47.8



#72
4-Ethyltoluene
Concen: 13.722 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:105 Resp: 782057
Ion Ratio Lower Upper
105 100
120 29.6 23.4 35.2
91 12.5 9.8 14.6
77 13.4 10.6 16.0

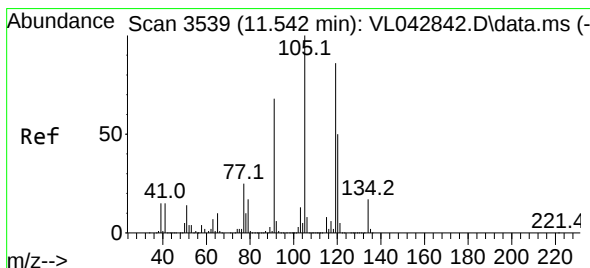
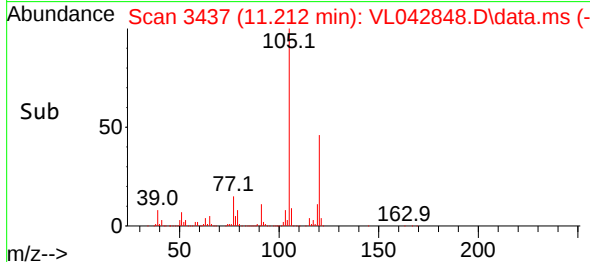
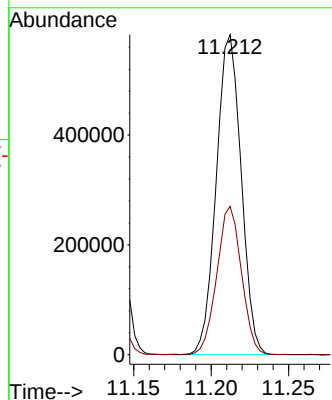
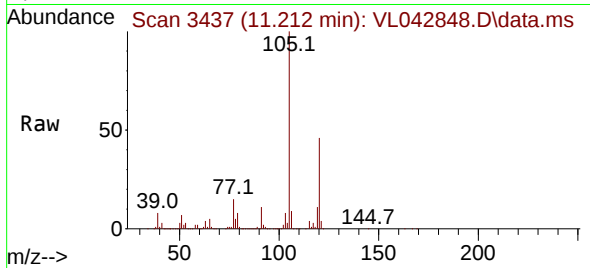




#73
1,3,5-Trimethylbenzene
Concen: 13.418 ppbv
RT: 11.212 min Scan# 3437
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

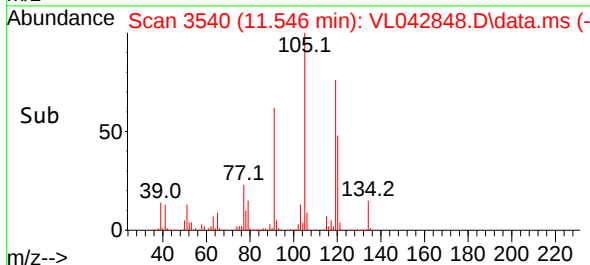
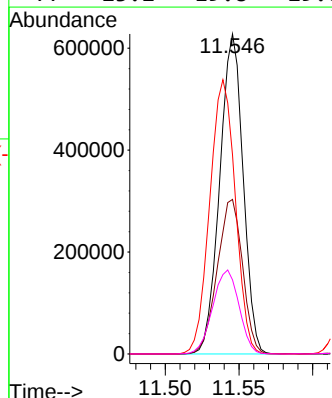
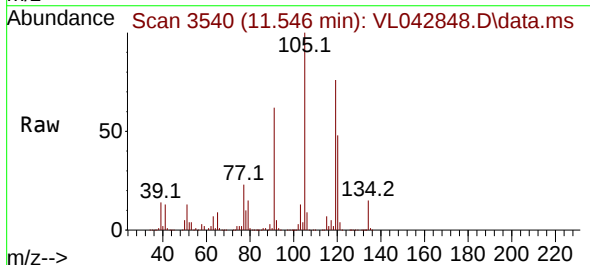
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

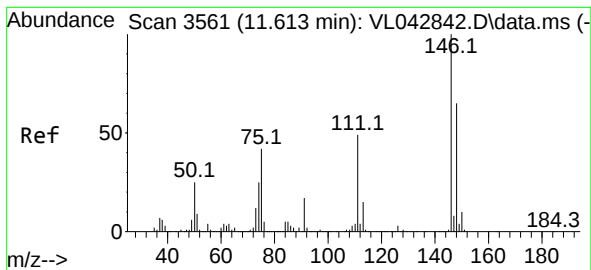
Tgt Ion:105 Resp: 650280
Ion Ratio Lower Upper
105 100
120 46.4 36.6 54.8



#74
1,2,4-Trimethylbenzene
Concen: 13.003 ppbv
RT: 11.546 min Scan# 3540
Delta R.T. 0.003 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:105 Resp: 691709
Ion Ratio Lower Upper
105 100
120 48.3 39.8 59.6
91 62.2 54.2 81.4
77 23.2 19.8 29.6





#75

1,3-Dichlorobenzene

Concen: 13.321 ppbv

RT: 11.617 min Scan# 3561

Delta R.T. 0.003 min

Lab File: VL042848.D

Acq: 13 Aug 2025 12:06

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC015

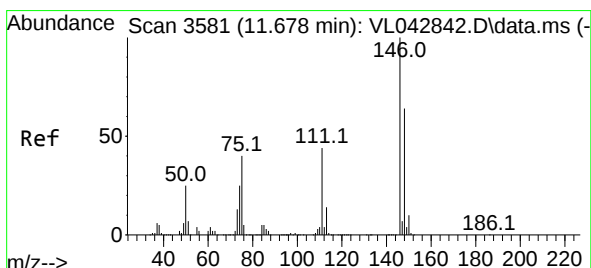
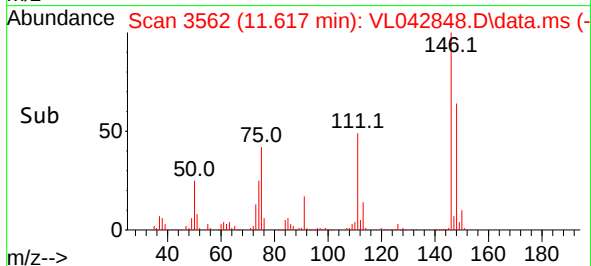
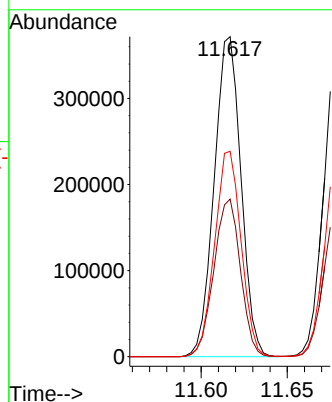
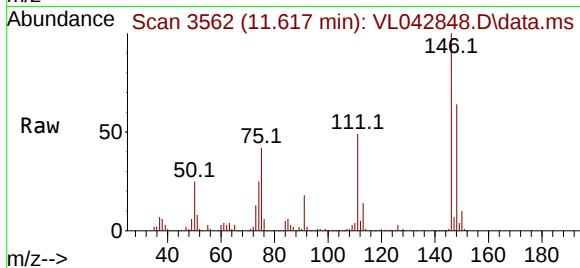
Tgt Ion:146 Resp: 402850

Ion Ratio Lower Upper

146 100

111 48.9 23.9 71.7

148 63.5 31.4 94.0



#76

1,4-Dichlorobenzene

Concen: 13.314 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. 0.000 min

Lab File: VL042848.D

Acq: 13 Aug 2025 12:06

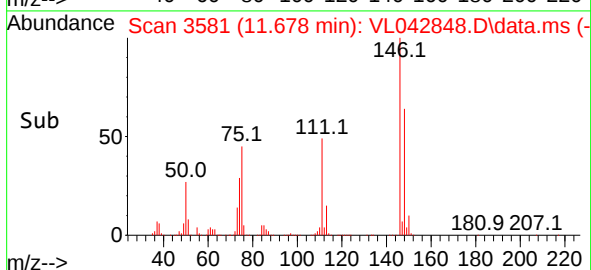
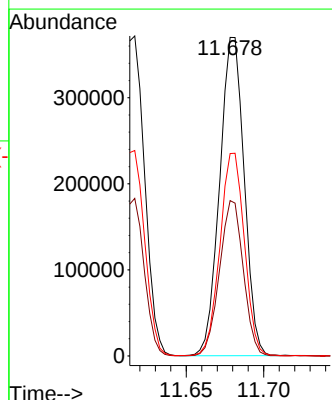
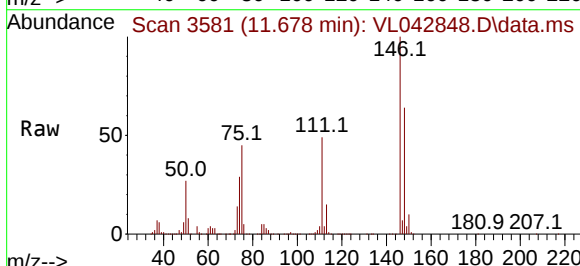
Tgt Ion:146 Resp: 407214

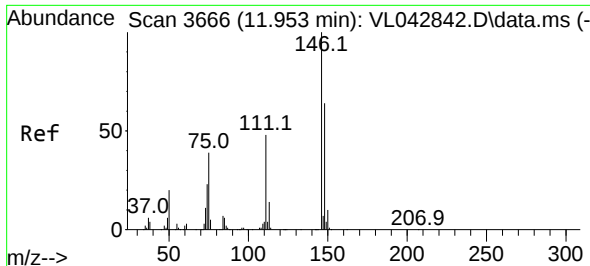
Ion Ratio Lower Upper

146 100

111 47.5 22.7 68.1

148 63.8 31.8 95.3

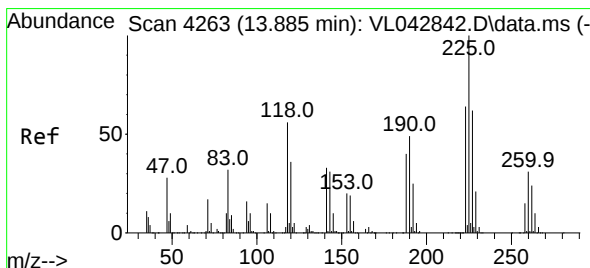
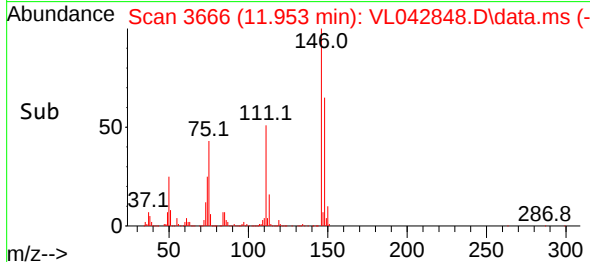
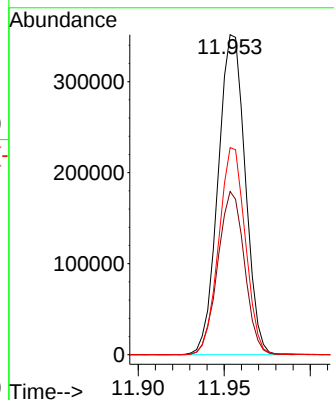
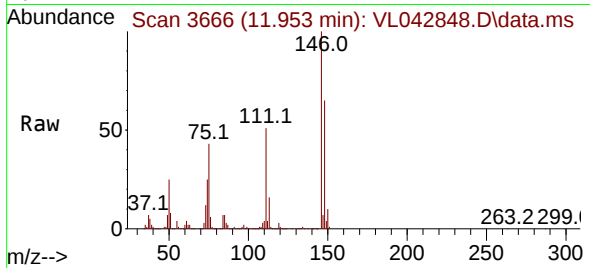




#77
1,2-Dichlorobenzene
Concen: 13.031 ppbv
RT: 11.953 min Scan# 3666
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

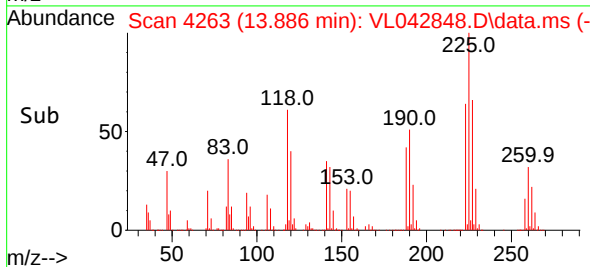
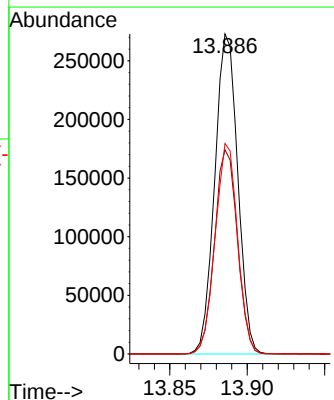
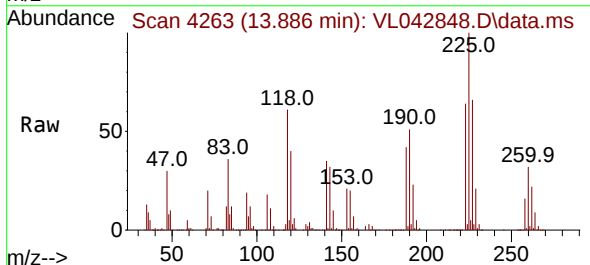
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

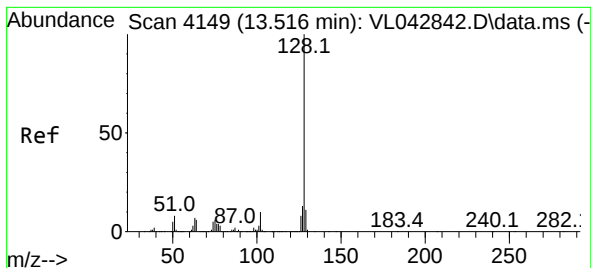
Tgt Ion:146 Resp: 385866
Ion Ratio Lower Upper
146 100
111 50.2 24.6 74.0
148 63.3 32.0 96.0



#78
Hexachloro-1,3-Butadiene
Concen: 11.602 ppbv
RT: 13.886 min Scan# 4263
Delta R.T. 0.000 min
Lab File: VL042848.D
Acq: 13 Aug 2025 12:06

Tgt Ion:225 Resp: 281581
Ion Ratio Lower Upper
225 100
223 63.6 51.4 77.2
227 64.2 51.9 77.9





#79

Naphthalene

Concen: 13.837 ppbv

RT: 13.517 min Scan# 4149

Delta R.T. 0.000 min

Lab File: VL042848.D

Acq: 13 Aug 2025 12:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

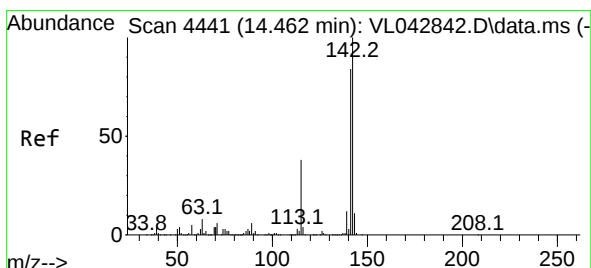
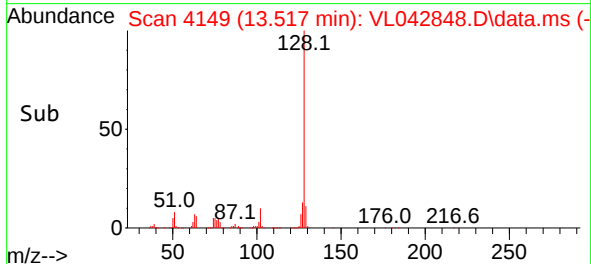
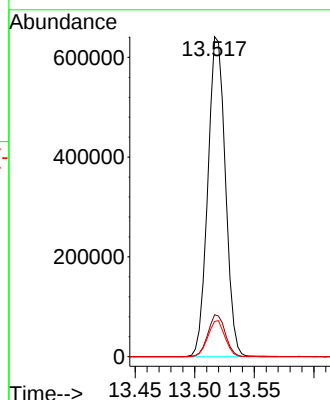
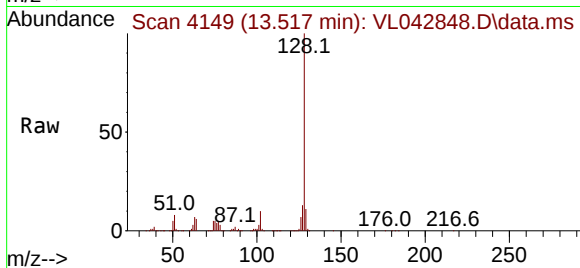
Tgt Ion:128 Resp: 658732

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

129 11.0 8.9 13.3



#80

Naphthalene,2-methyl-

Concen: 14.042 ppbv

RT: 14.462 min Scan# 4441

Delta R.T. 0.000 min

Lab File: VL042848.D

Acq: 13 Aug 2025 12:06

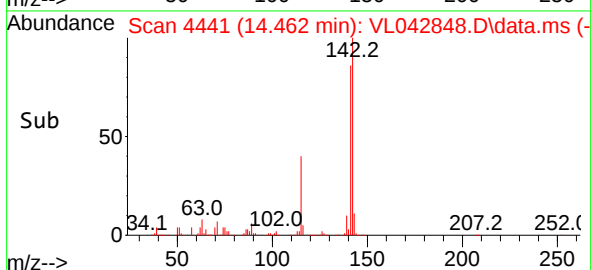
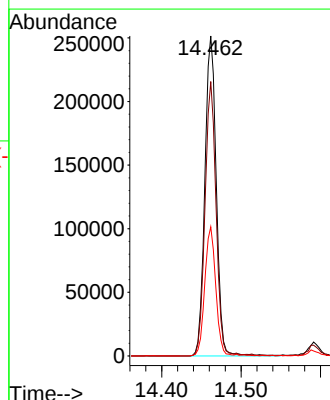
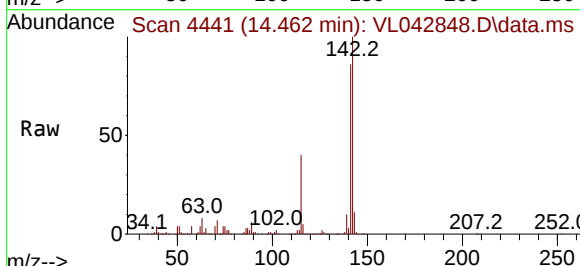
Tgt Ion:142 Resp: 251753

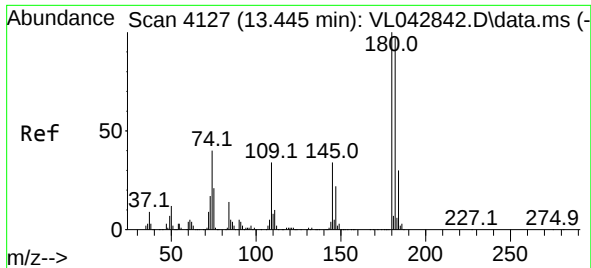
Ion Ratio Lower Upper

142 100

141 83.9 67.0 100.6

115 39.3 30.9 46.3





#81

1,2,4-Trichlorobenzene

Concen: 13.599 ppbv

RT: 13.445 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042848.D

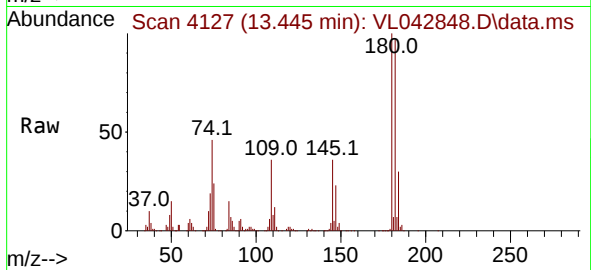
Acq: 13 Aug 2025 12:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015



Tgt Ion:180 Resp: 329641

Ion Ratio Lower Upper

180 100

182 96.2 76.9 115.3

184 30.3 24.5 36.7

