

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
 Data File : VL042489.D
 Acq On : 06 May 2025 10:44
 Operator : SY/MD
 Sample : VL0506ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0506ABS01

Quant Time: May 07 01:36:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 02 03:16:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	68512	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	189766	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	162176	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	162347	10.797	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	128425	11.327	ppbv	99
3) Chlorodifluoromethane	1.476	51	120834	10.080	ppbv	98
4) Chloromethane	1.531	50	51363	10.839	ppbv	94
5) Vinyl Chloride	1.580	62	50552	10.596	ppbv	95
6) Bromomethane	1.667	94	24844	11.021	ppbv #	81
7) Chloroethane	1.706	64	19253	10.929	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	108256	11.583	ppbv	99
9) Propene	1.483	41	36687	9.357	ppbv	100
10) Heptane	4.985	43	108748	10.693	ppbv	99
11) Trichlorofluoromethane	1.878	101	118964	11.371	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.140	101	92491	11.072	ppbv	97
13) Ethanol	1.722	45	5717	7.185	ppbv	96
14) Bromoethene	1.781	108	35036	11.361	ppbv	99
15) Acetone	1.836	43	110911	8.868	ppbv	98
16) 1,3-Butadiene	1.609	39	57769	10.473	ppbv	100
17) tert-Butyl alcohol	2.043	59	121629	11.038	ppbv	98
18) 1,1-Dichloroethene	2.033	96	41573	10.658	ppbv	91
19) Isopropyl Alcohol	1.887	45	70143	10.133	ppbv	100
20) Methylene Chloride	2.062	84	38025	10.113	ppbv	97
21) Allyl Chloride	2.095	41	87030	10.820	ppbv	98
22) trans-1,2-Dichloroethene	2.341	96	46194	10.140	ppbv	92
23) Vinyl Acetate	2.463	43	122507	10.263	ppbv	99
24) 1,1-Dichloroethane	2.408	63	99878	10.747	ppbv	98
25) Ethyl Acetate	2.839	43	207809	10.377	ppbv	99
26) Hexane	2.826	57	94005	10.775	ppbv	95
27) Carbon Disulfide	2.150	76	118732	11.662	ppbv #	89
28) Methyl tert-Butyl Ether	2.441	73	52295	9.977	ppbv	97
29) Chloroform	2.849	83	178140	10.896	ppbv	98
30) Cyclohexane	3.858	84	78419	10.751	ppbv	98
31) cis-1,2-Dichloroethene	2.722	61	102999	10.119	ppbv	97
32) 1,1,1-Trichloroethane	3.370	97	185042	10.433	ppbv	99
34) 2-Butanone	2.561	43	135534	9.874	ppbv	95
35) Carbon Tetrachloride	3.765	117	192452	11.164	ppbv	96
36) Benzene	3.658	78	188082	10.503	ppbv	96
37) 1,2-Dichloroethane	3.221	62	150741	10.922	ppbv	99
38) Trichloroethene	4.554	130	75153	11.005	ppbv	97
39) 1,2-Dichloropropane	4.315	63	67616	10.086	ppbv	92
40) 1,4-Dioxane	4.583	88	30720	9.786	ppbv #	100
41) Tetrahydrofuran	3.056	42	66397	10.179	ppbv	98
42) Bromodichloromethane	4.496	83	188247	11.163	ppbv	96
43) Methyl Methacrylate	4.888	69	73710	11.030	ppbv	95
44) 2,2,4-Trimethylpentane	4.642	57	317017	10.921	ppbv	99
45) t-1,3-Dichloropropene	6.419	75	95245	10.864	ppbv	100

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 QLast Update : Fri May 02 03:16:31 2025
 Response via : Initial Calibration

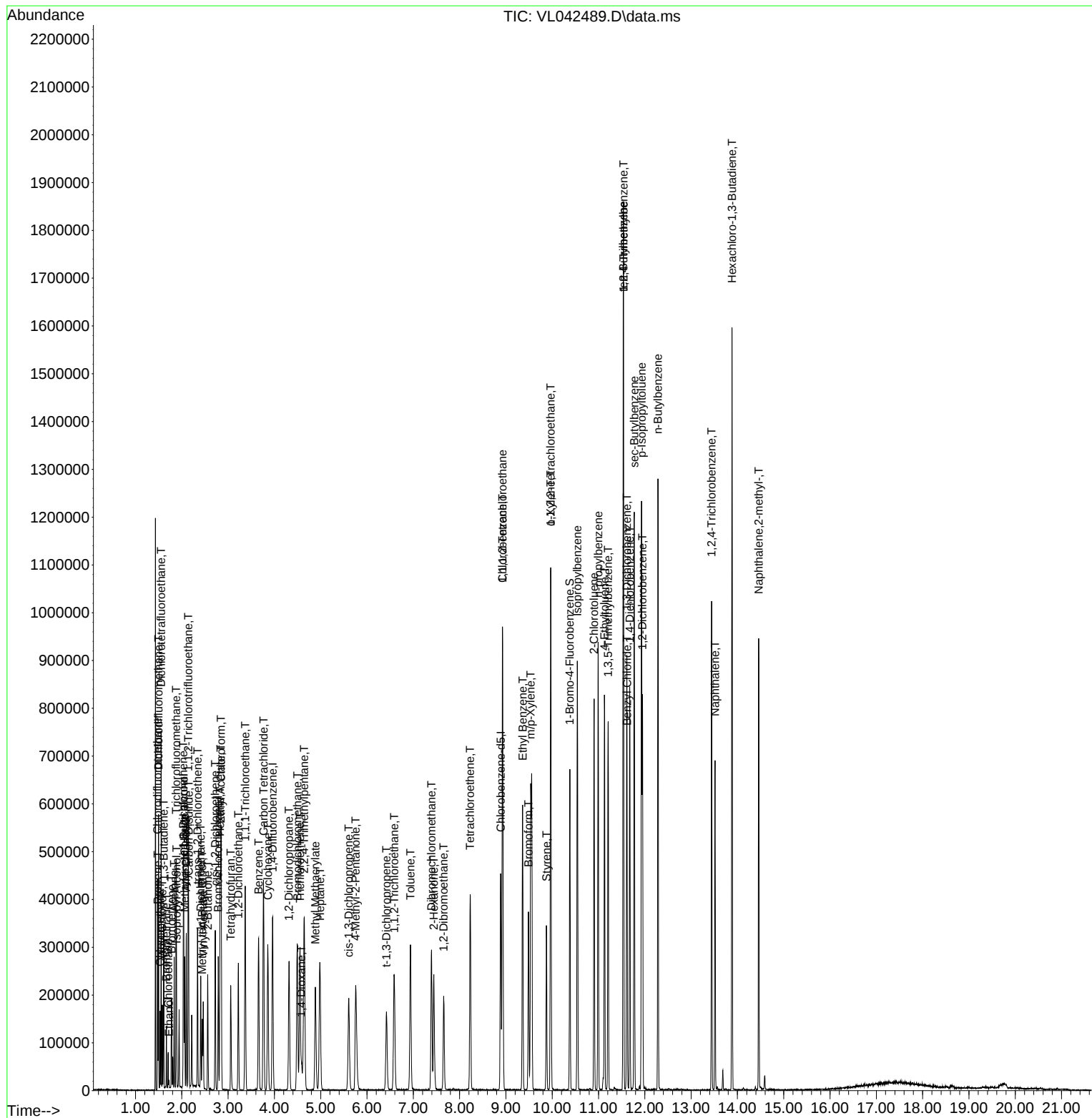
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	112024	10.751	ppbv	96
47) 1,1,2-Trichloroethane	6.590	97	80000	10.880	ppbv	99
48) Dibromochloromethane	7.390	129	137019	11.039	ppbv	99
49) Bromoform	9.487	173	115649	11.110	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	179961	10.365	ppbv	97
51) 2-Hexanone	7.441	43	143801	10.359	ppbv #	99
52) Tetrachloroethene	8.228	164	61852	9.074	ppbv	94
53) Toluene	6.940	91	211514	11.159	ppbv	99
54) 1,2-Dibromoethane	7.655	107	119785	10.656	ppbv	90
56) 1,1,1,2-Tetrachloroethane	8.927	131	107810	11.256	ppbv	99
57) Chlorobenzene	8.927	112	170186	10.444	ppbv	98
58) Ethyl Benzene	9.361	91	316187	11.667	ppbv	100
59) m/p-Xylene	9.536	91	274644	12.088	ppbv #	33
60) o-Xylene	9.966	91	275574	12.114	ppbv	98
61) Styrene	9.875	104	100944	11.891	ppbv	95
62) Isopropylbenzene	10.542	105	386743	11.786	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	168155	10.722	ppbv	99
64) n-propylbenzene	10.992	120	95485	11.906	ppbv	98
65) tert-Butylbenzene	11.536	119	347665	11.872	ppbv	97
66) Benzyl Chloride	11.617	91	44409	13.121	ppbv	96
67) sec-Butylbenzene	11.772	105	500648	12.031	ppbv	99
69) p-Isopropyltoluene	11.931	119	418184	11.927	ppbv	99
70) n-Butylbenzene	12.283	91	439757	12.133	ppbv	99
71) 2-Chlorotoluene	10.905	91	304635	11.836	ppbv	99
72) 4-Ethyltoluene	11.128	105	332254	12.388	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	285001	12.082	ppbv	94
74) 1,2,4-Trimethylbenzene	11.539	105	326996	11.457	ppbv	95
75) 1,3-Dichlorobenzene	11.610	146	176191	11.089	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	173576	11.543	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	171125	11.003	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	153031	9.854	ppbv	99
79) Naphthalene	13.517	128	289175	12.036	ppbv	98
80) Naphthalene,2-methyl-	14.458	142	236741	13.257	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	142190	11.096	ppbv	98

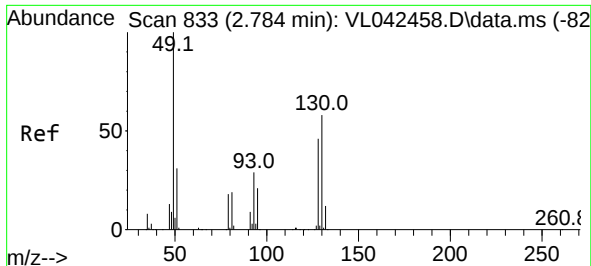
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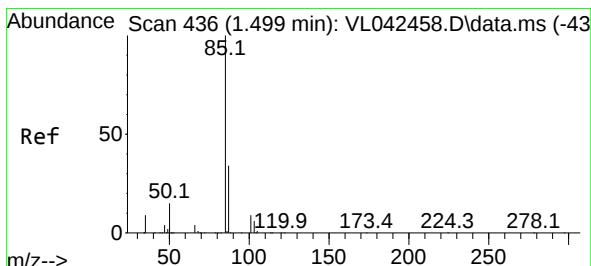
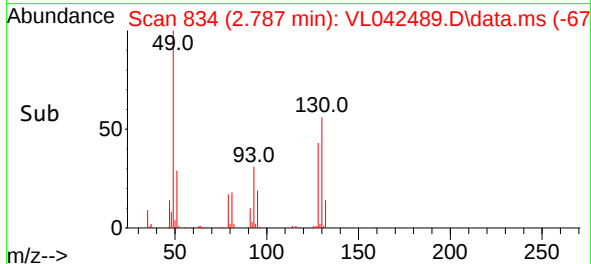
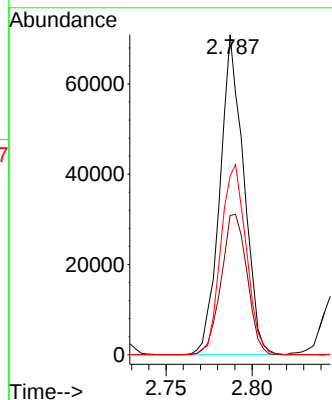
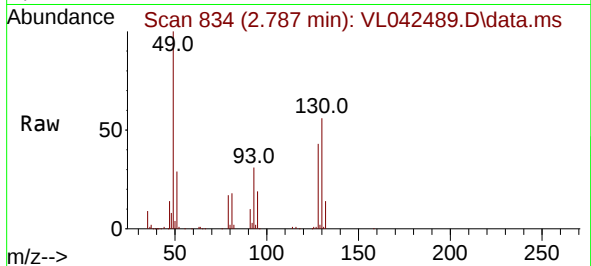




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

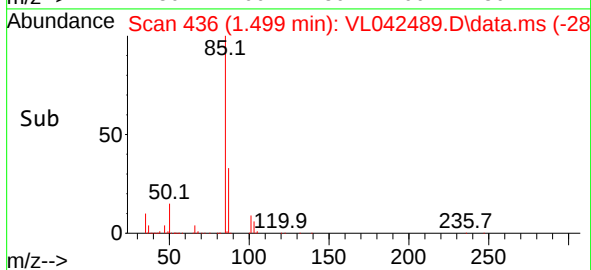
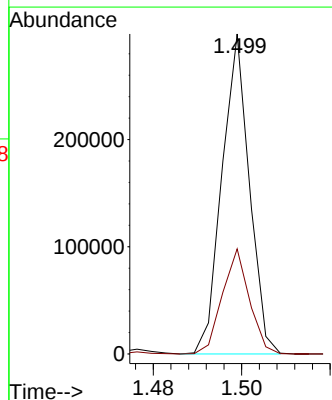
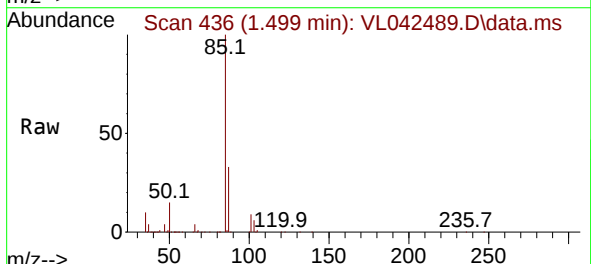
Instrument :
MSVOA_1
ClientSampleId :
VL0506ABS01

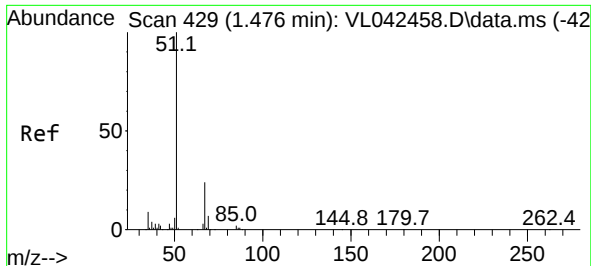
Tgt Ion: 49 Resp: 68512
Ion Ratio Lower Upper
49 100
128 47.5 23.3 69.9
130 63.1 29.5 88.6



#2
Dichlorodifluoromethane
Concen: 11.327 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Tgt Ion: 85 Resp: 128425
Ion Ratio Lower Upper
85 100
87 32.9 26.9 40.3

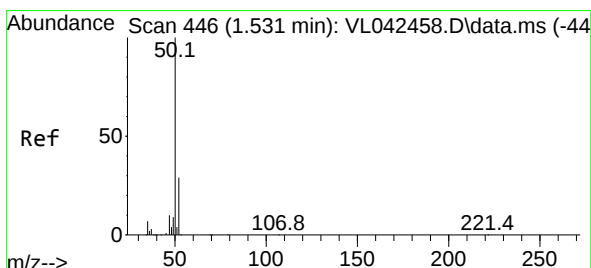
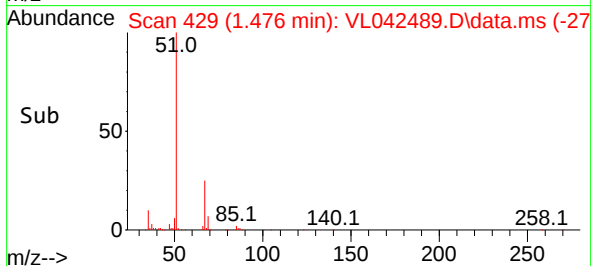
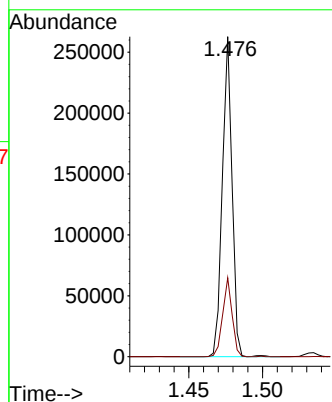
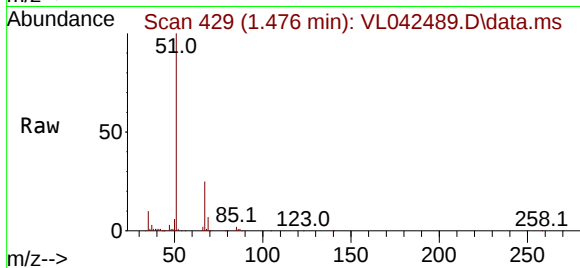




#3
Chlorodifluoromethane
Concen: 10.080 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

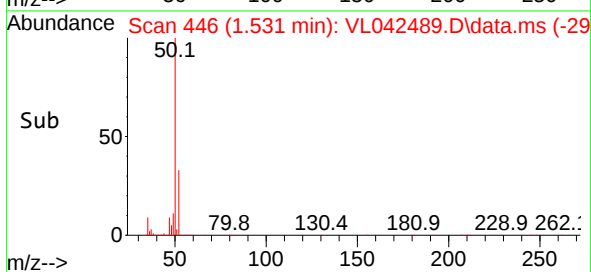
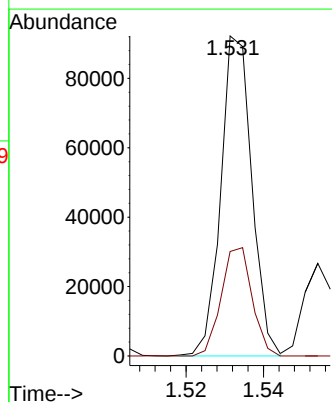
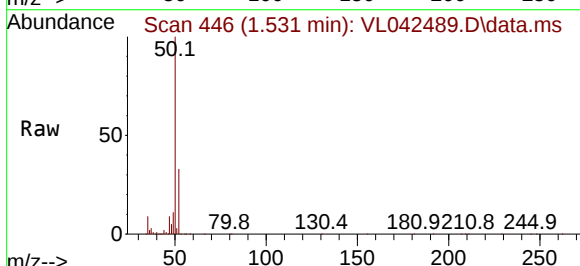
Instrument :
MSVOA_1
ClientSampleId :
VL0506ABS01

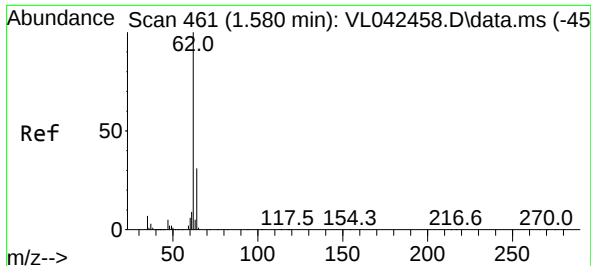
Tgt Ion: 51 Resp: 120834
Ion Ratio Lower Upper
51 100
67 24.1 18.4 27.6



#4
Chloromethane
Concen: 10.839 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Tgt Ion: 50 Resp: 51363
Ion Ratio Lower Upper
50 100
52 32.8 23.5 35.3

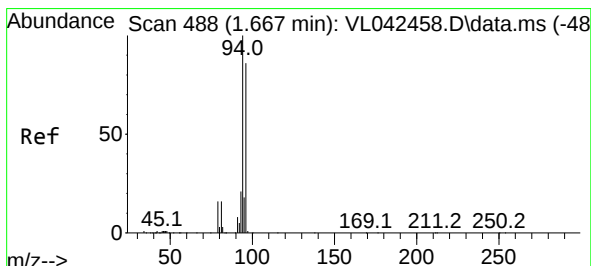
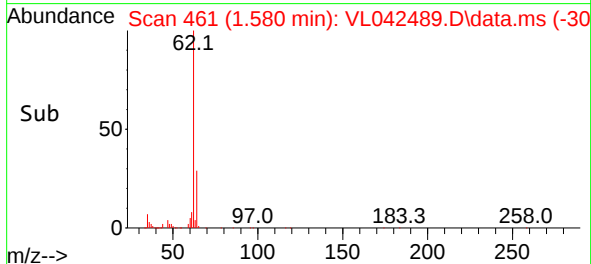
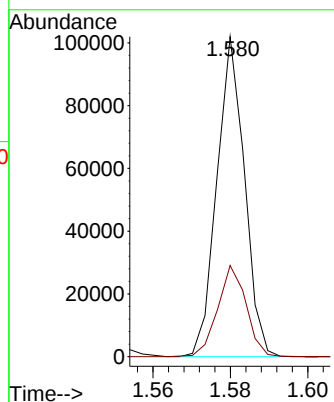
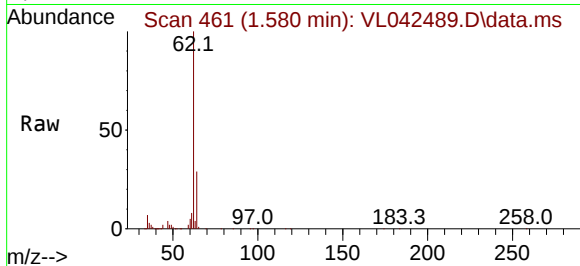




#5
 Vinyl Chloride
 Concen: 10.596 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44

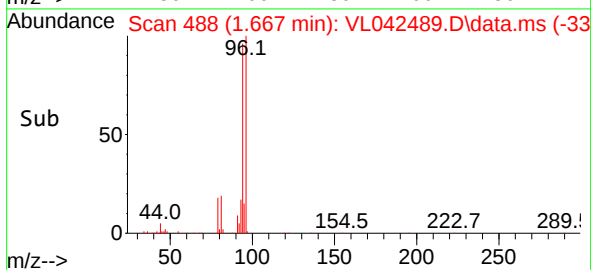
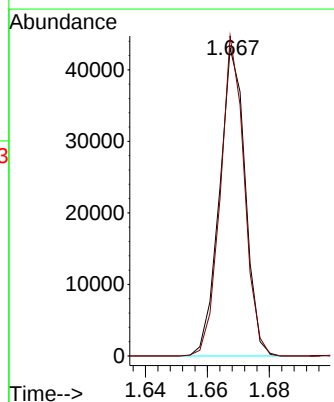
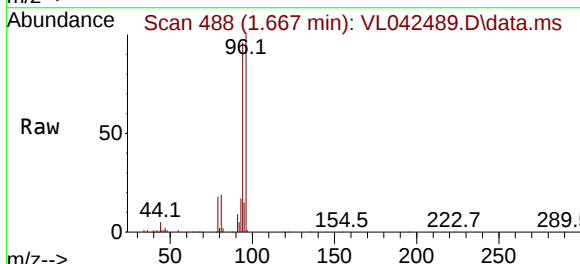
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0506ABS01

Tgt Ion: 62 Resp: 50552
 Ion Ratio Lower Upper
 62 100
 64 28.3 24.9 37.3



#6
 Bromomethane
 Concen: 11.021 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44

Tgt Ion: 94 Resp: 24844
 Ion Ratio Lower Upper
 94 100
 96 103.8 68.8 103.2#

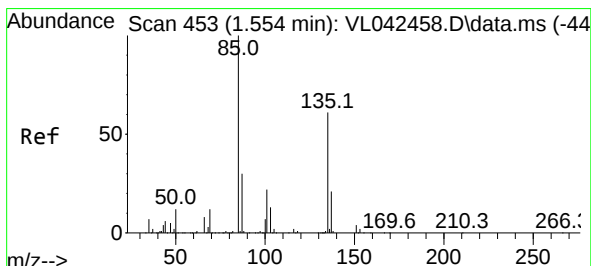
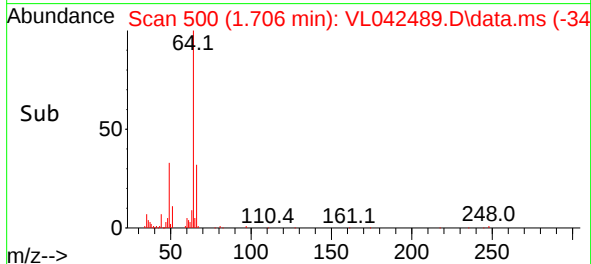
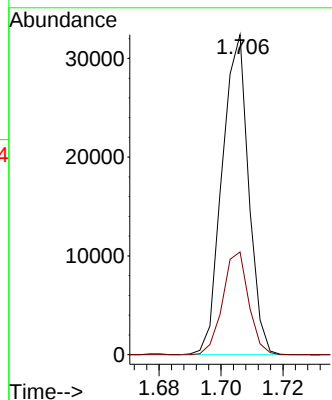
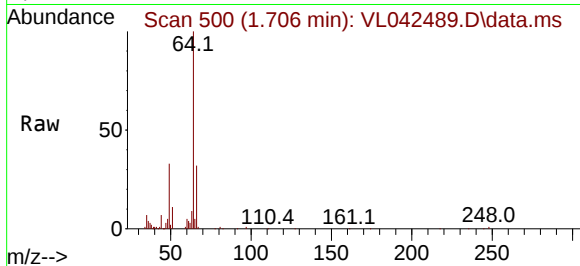




#7
Chloroethane
Concen: 10.929 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

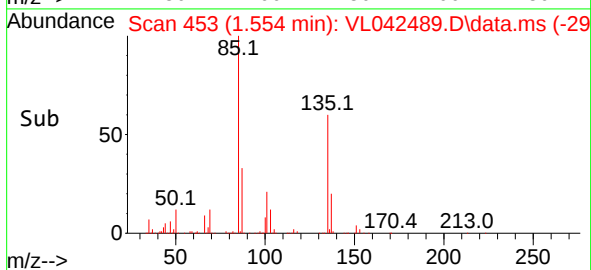
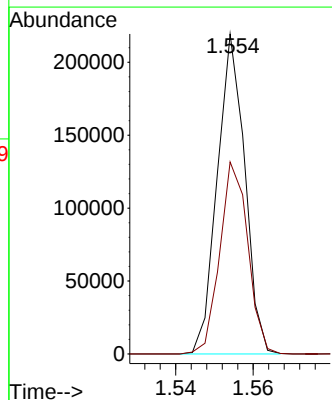
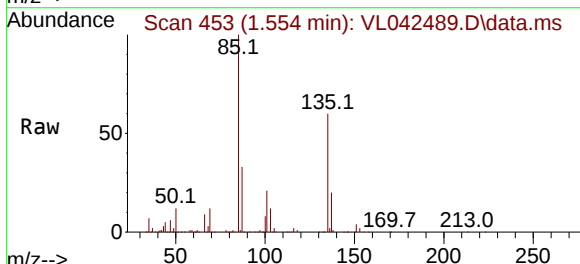
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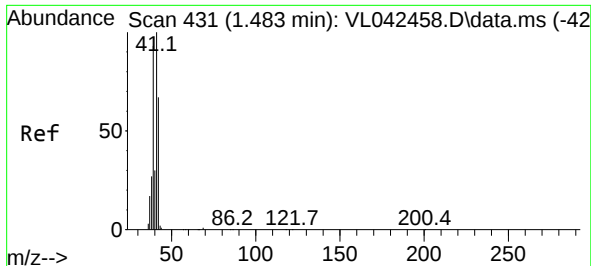
Tgt Ion: 64 Resp: 19253
Ion Ratio Lower Upper
64 100
66 32.1 25.0 37.4



#8
Dichlorotetrafluoroethane
Concen: 11.583 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Tgt Ion: 85 Resp: 108256
Ion Ratio Lower Upper
85 100
135 61.3 49.8 74.8





#9

Propene

Concen: 9.357 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

Instrument :

MSVOA_L

ClientSampleId :

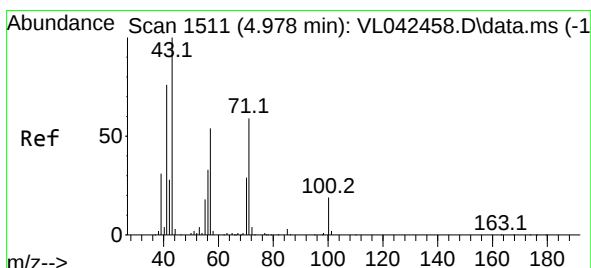
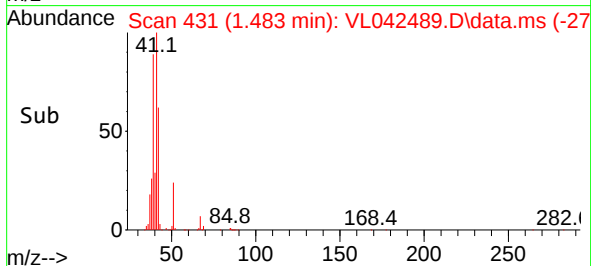
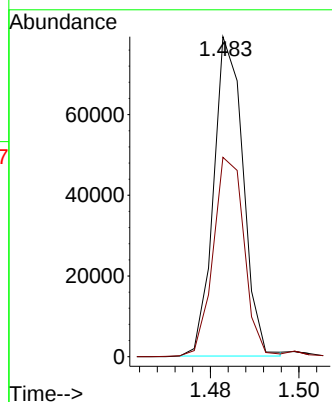
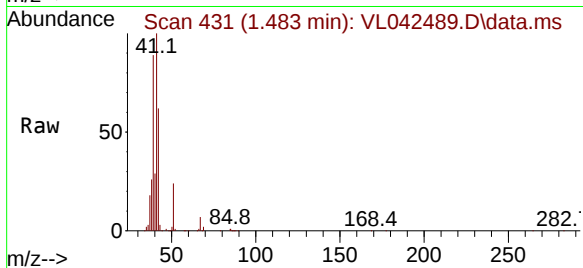
VL0506ABS01

Tgt Ion: 41 Resp: 36687

Ion Ratio Lower Upper

41 100

42 68.1 54.3 81.5



#10

Heptane

Concen: 10.693 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. 0.007 min

Lab File: VL042489.D

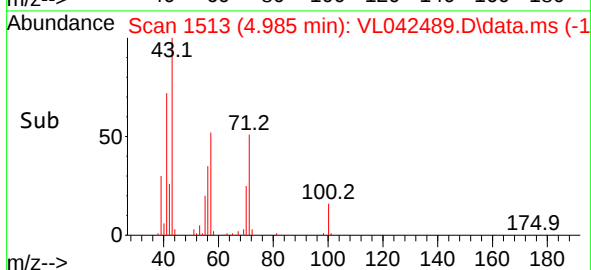
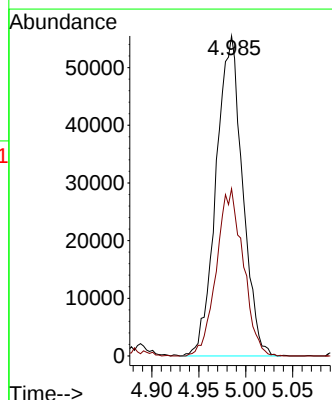
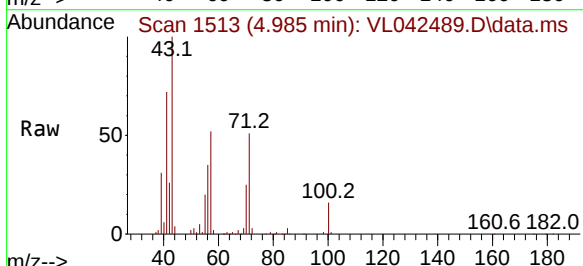
Acq: 06 May 2025 10:44

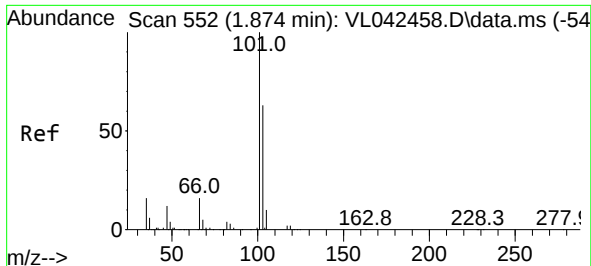
Tgt Ion: 43 Resp: 108748

Ion Ratio Lower Upper

43 100

57 52.8 41.8 62.8

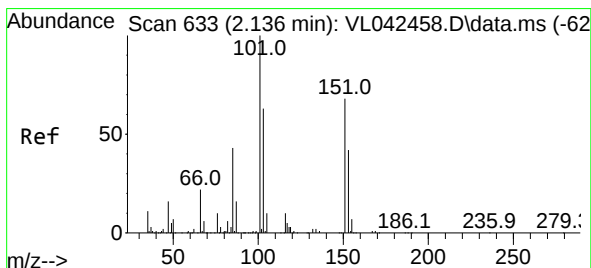
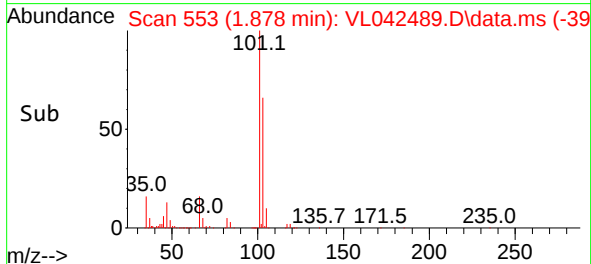
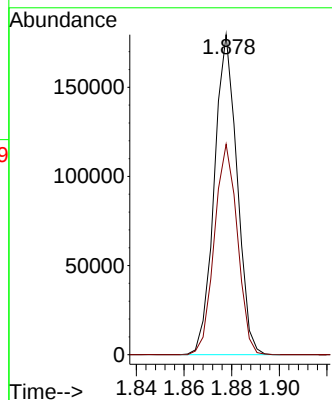
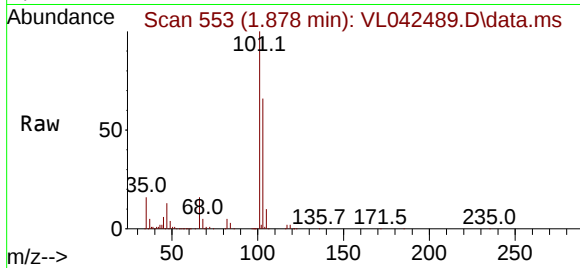




#11
 Trichlorofluoromethane
 Concen: 11.371 ppbv
 RT: 1.878 min Scan# 511
 Delta R.T. 0.004 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44

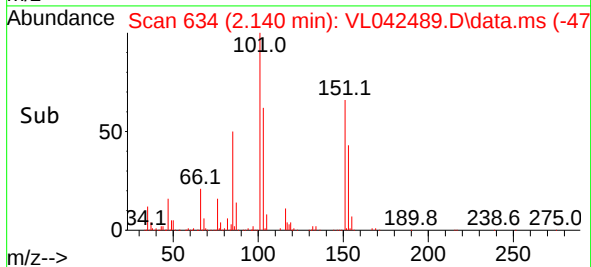
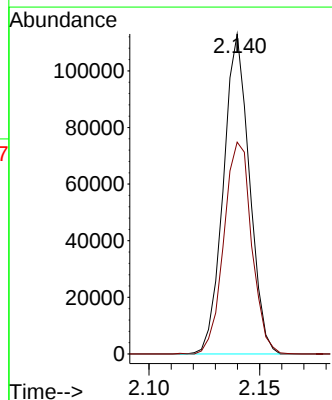
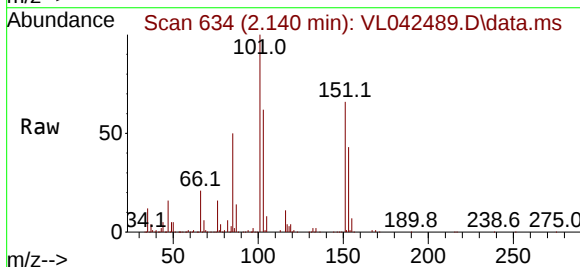
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0506ABS01

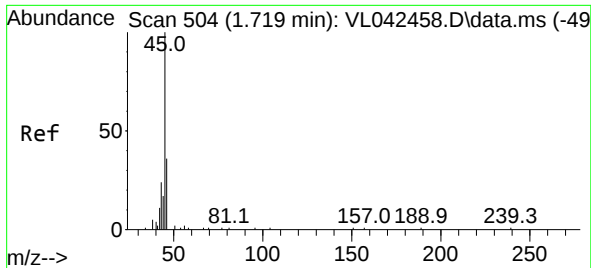
Tgt Ion:101 Resp: 118964
 Ion Ratio Lower Upper
 101 100
 103 65.8 50.6 76.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.072 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.004 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44

Tgt Ion:101 Resp: 92491
 Ion Ratio Lower Upper
 101 100
 151 70.7 54.6 82.0

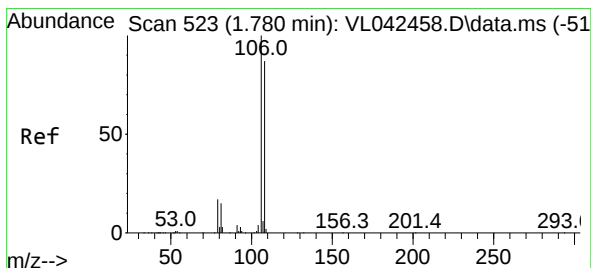
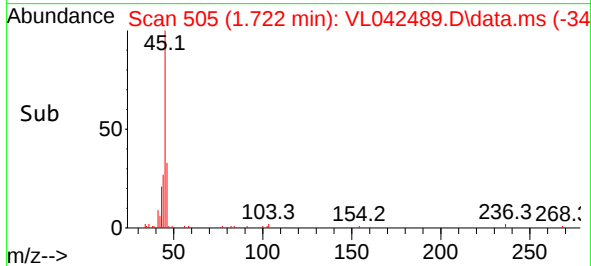
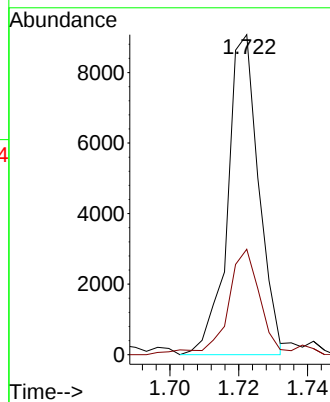
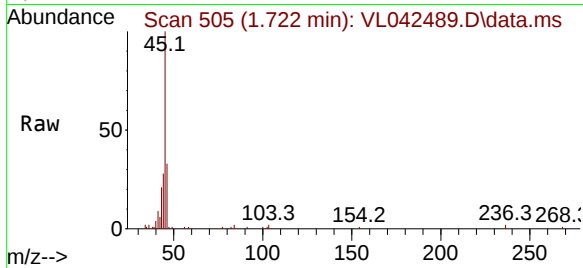




#13
Ethanol
Concen: 7.185 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

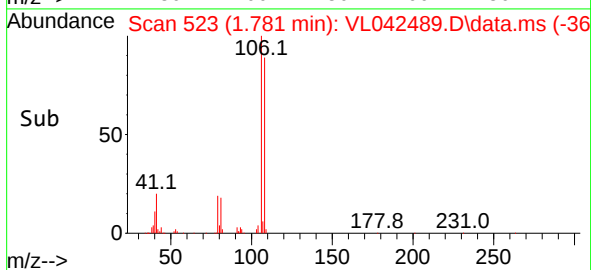
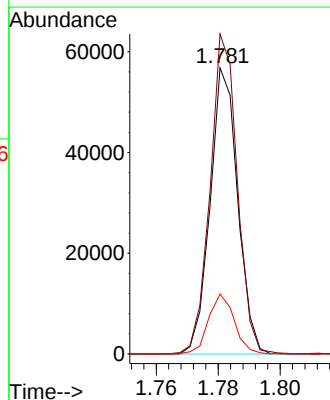
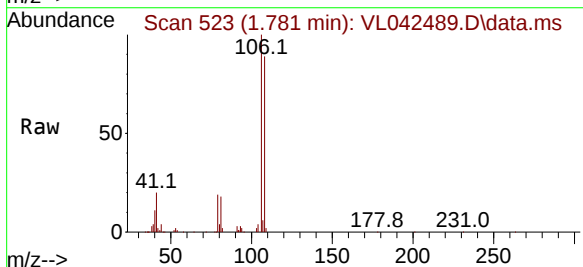
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

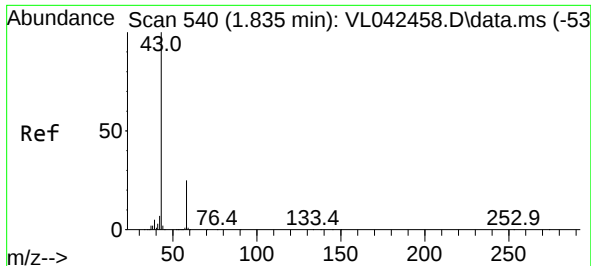
Tgt Ion: 45 Resp: 5717
Ion Ratio Lower Upper
45 100
46 35.6 15.3 61.1



#14
Bromoethene
Concen: 11.361 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Tgt Ion: 108 Resp: 35036
Ion Ratio Lower Upper
108 100
106 110.2 88.8 133.2
79 19.8 17.1 25.7

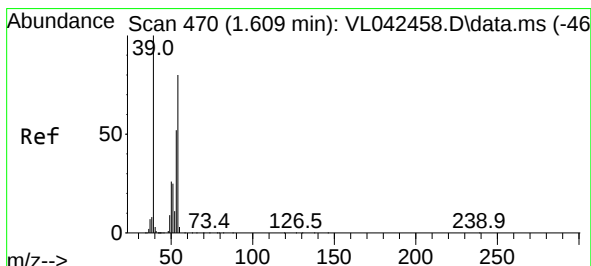
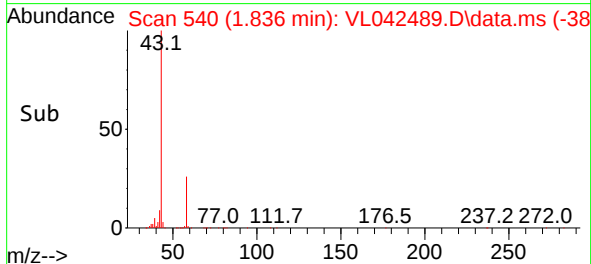
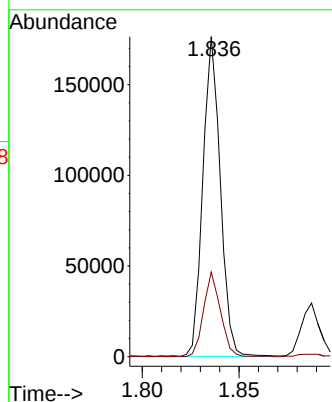
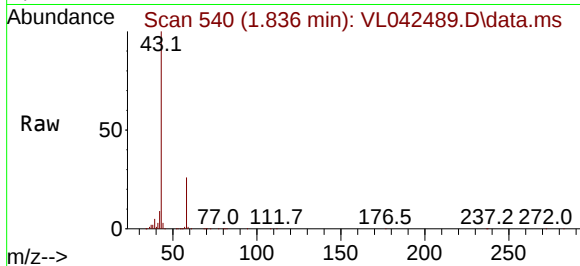




#15
Acetone
Concen: 8.868 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

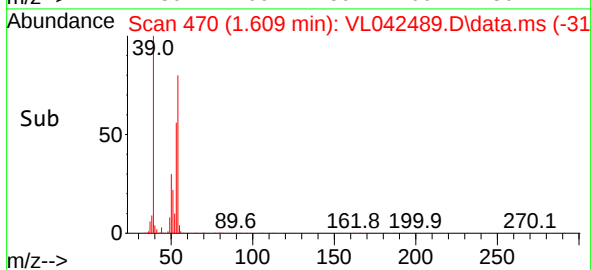
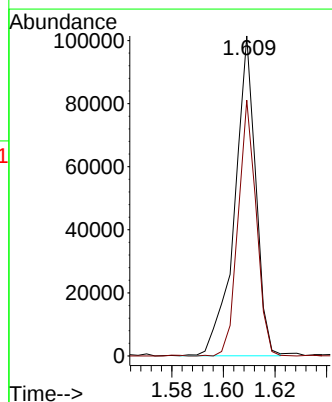
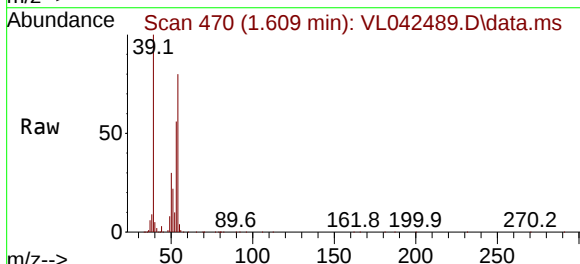
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

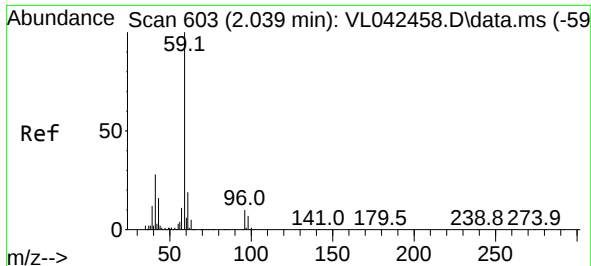
Tgt Ion: 43 Resp: 110911
Ion Ratio Lower Upper
43 100
58 25.7 19.8 29.8



#16
1,3-Butadiene
Concen: 10.473 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Tgt Ion: 39 Resp: 57769
Ion Ratio Lower Upper
39 100
54 68.9 55.2 82.8





#17

tert-Butyl alcohol

Concen: 11.038 ppbv

RT: 2.043 min Scan# 603

Delta R.T. 0.004 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

Instrument :

MSVOA_L

ClientSampleId :

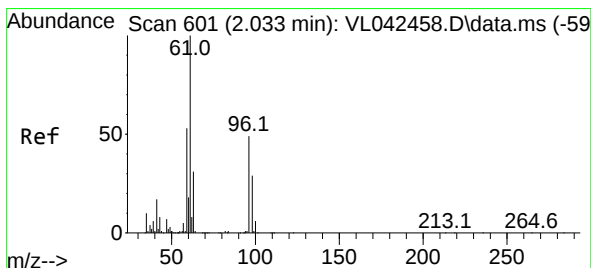
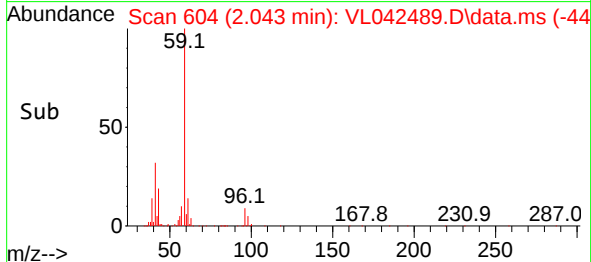
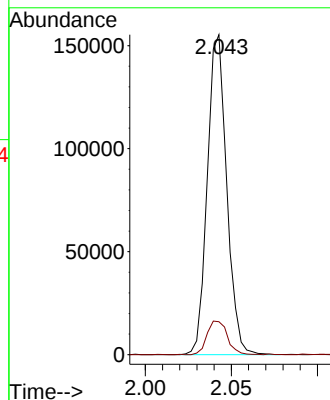
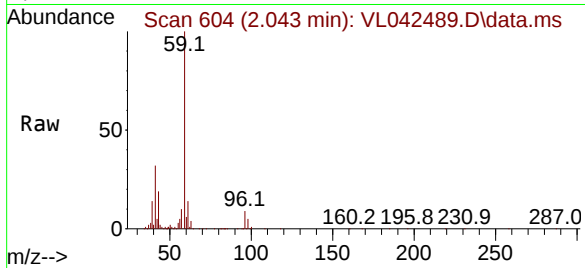
VL0506ABS01

Tgt Ion: 59 Resp: 121629

Ion Ratio Lower Upper

59 100

57 11.2 8.3 12.5



#18

1,1-Dichloroethene

Concen: 10.658 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.000 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

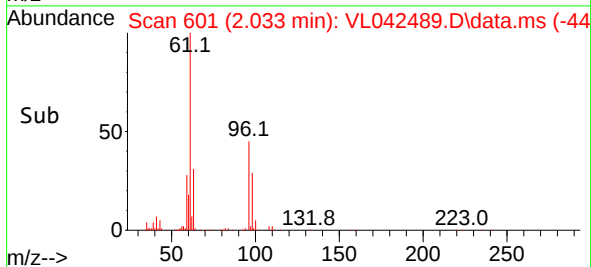
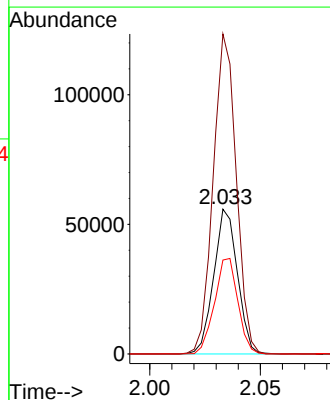
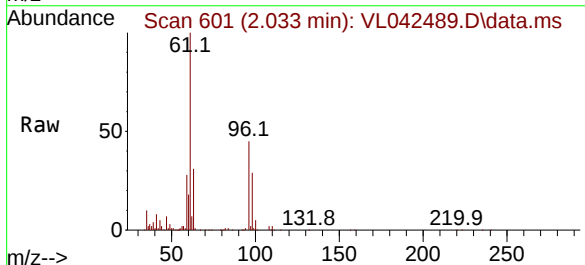
Tgt Ion: 96 Resp: 41573

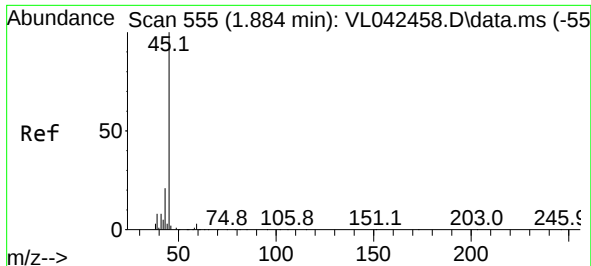
Ion Ratio Lower Upper

96 100

61 221.1 164.9 247.3

98 64.9 48.2 72.2

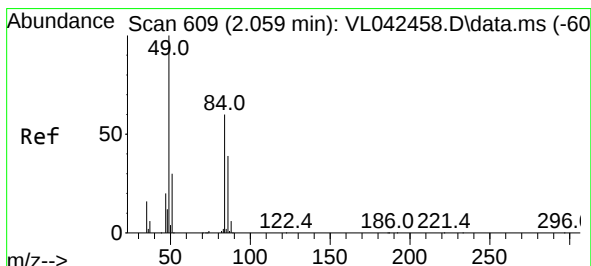
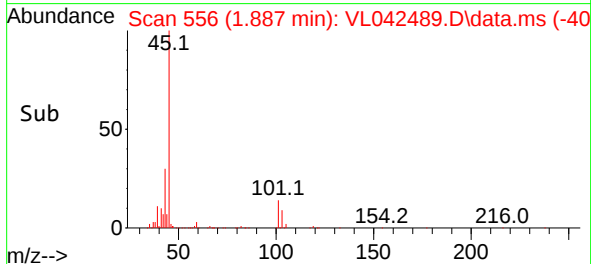
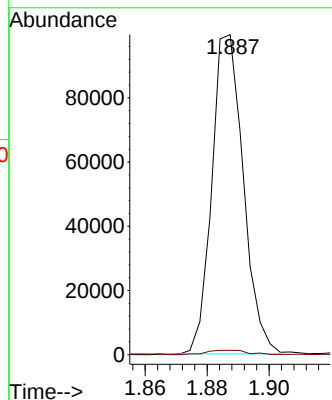
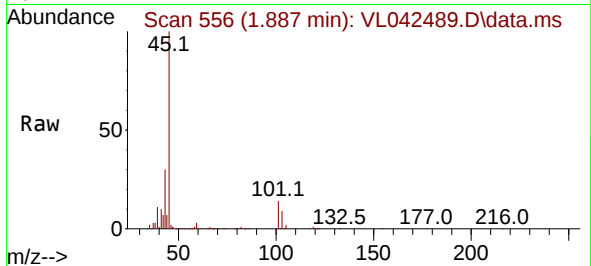




#19
Isopropyl Alcohol
Concen: 10.133 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

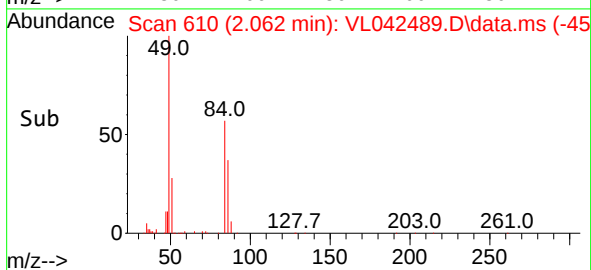
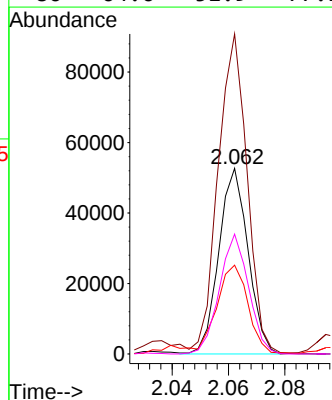
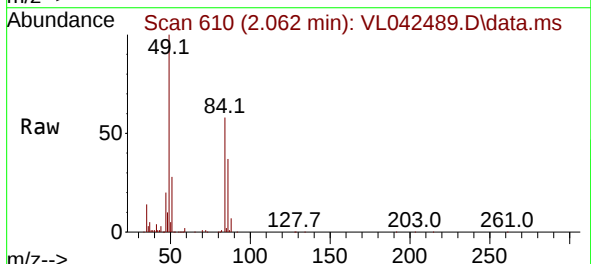
Instrument :
MSVOA_1
ClientSampleId :
VL0506ABS01

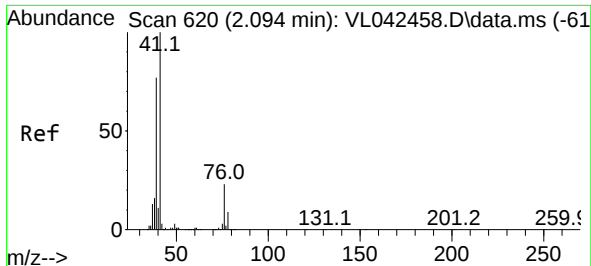
Tgt Ion: 45 Resp: 70143
Ion Ratio Lower Upper
45 100
58 2.0 1.6 2.4



#20
Methylene Chloride
Concen: 10.113 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Tgt Ion: 84 Resp: 38025
Ion Ratio Lower Upper
84 100
49 171.4 133.9 200.9
51 47.3 41.0 61.6
86 64.6 51.9 77.9

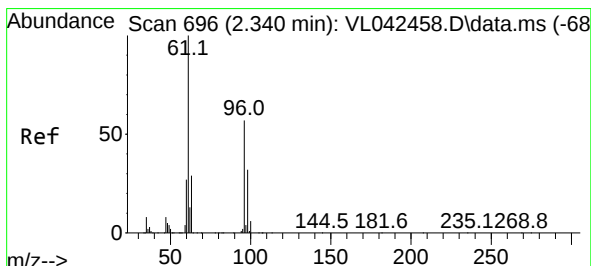
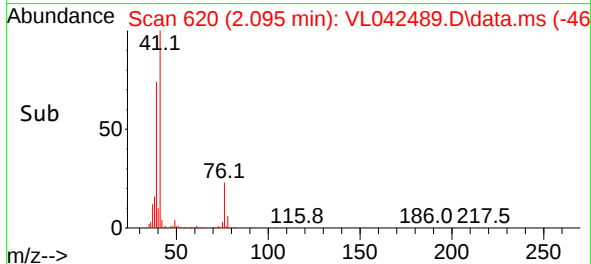
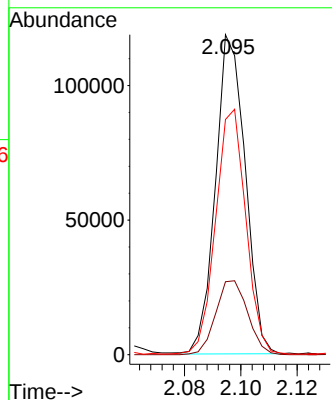
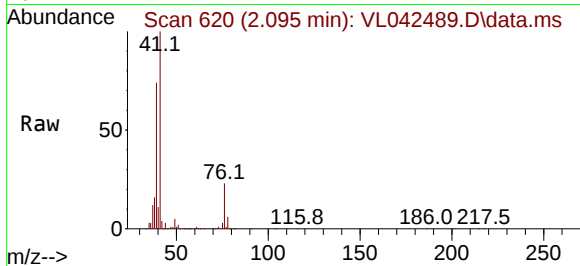




#21
 Allyl Chloride
 Concen: 10.820 ppbv
 RT: 2.095 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44

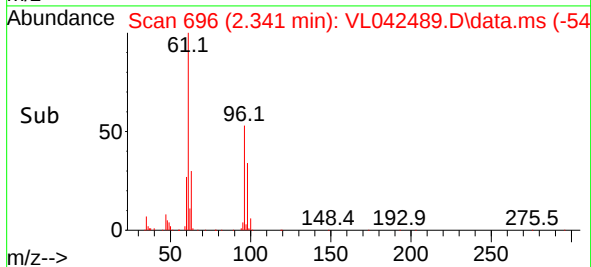
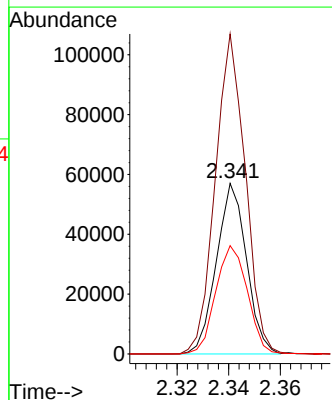
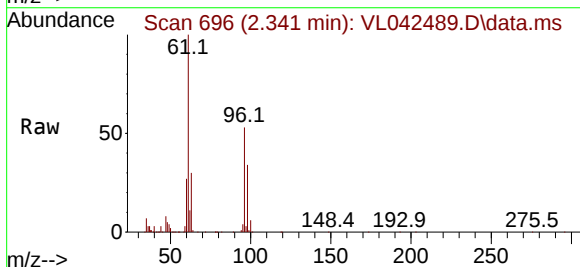
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0506ABS01

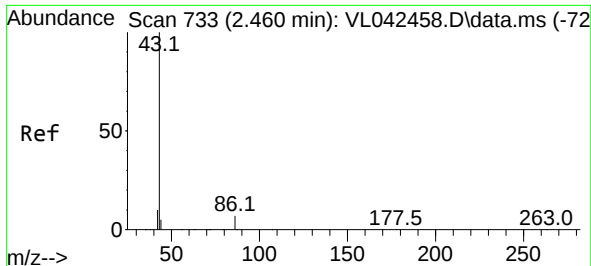
Tgt Ion: 41	Resp: 87030
Ion Ratio	Lower Upper
41	100
76	24.9 19.6 29.4
39	77.9 61.0 91.4



#22
 trans-1,2-Dichloroethene
 Concen: 10.140 ppbv
 RT: 2.341 min Scan# 696
 Delta R.T. 0.000 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44

Tgt Ion: 96	Resp: 46194
Ion Ratio	Lower Upper
96	100
61	187.5 141.8 212.6
98	63.5 45.0 67.6



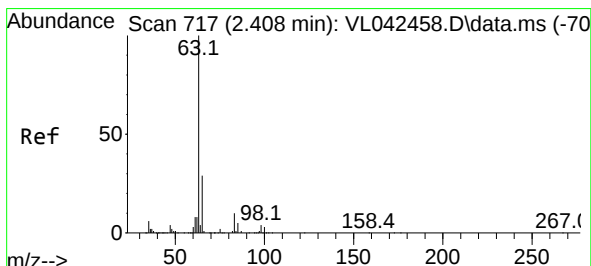
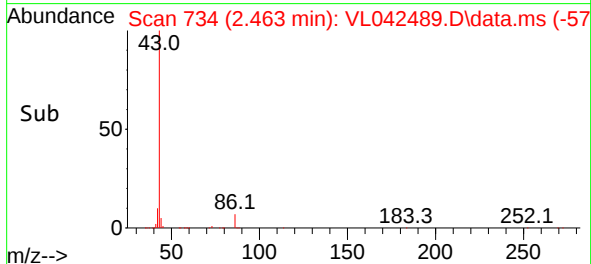
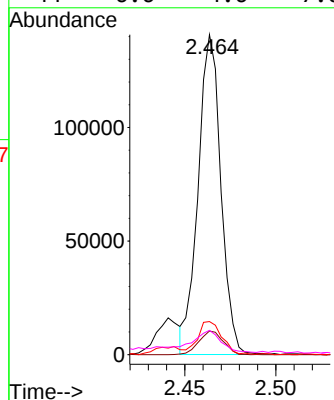
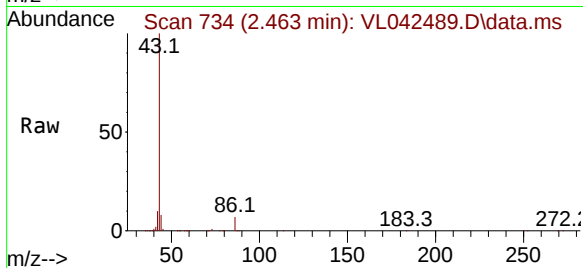


#23
 Vinyl Acetate
 Concen: 10.263 ppbv
 RT: 2.463 min Scan# 717
 Delta R.T. 0.004 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0506ABS01

Tgt Ion: 43 Resp: 122507

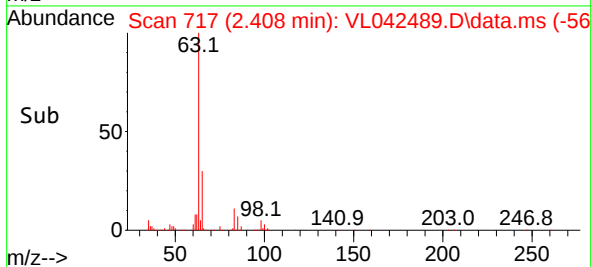
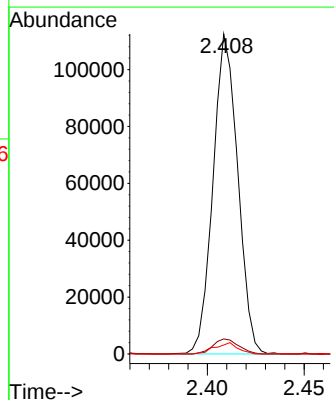
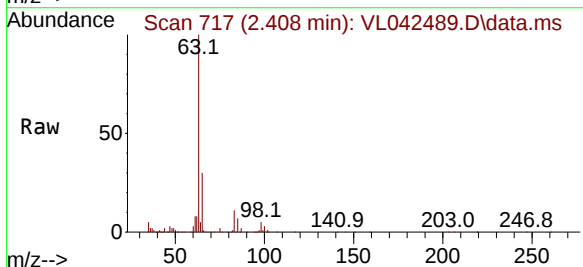
Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.5	8.3
42	10.3	8.3	12.5
44	6.6	4.6	7.0

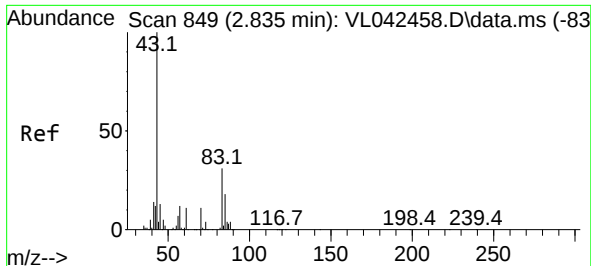


#24
 1,1-Dichloroethane
 Concen: 10.747 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44

Tgt Ion: 63 Resp: 99878

Ion	Ratio	Lower	Upper
63	100		
98	4.7	1.8	5.5
100	2.8	1.4	4.2



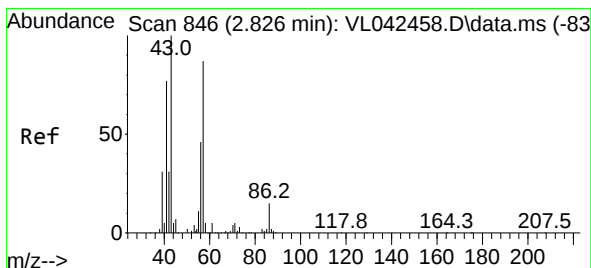
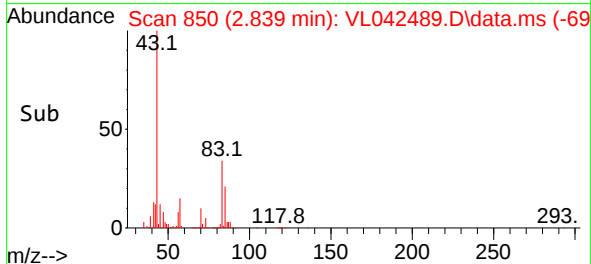
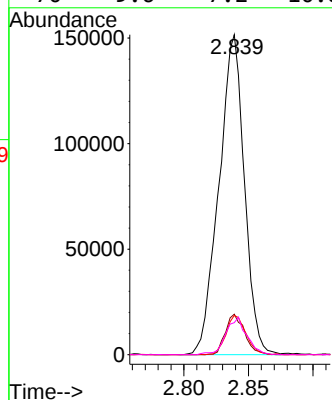
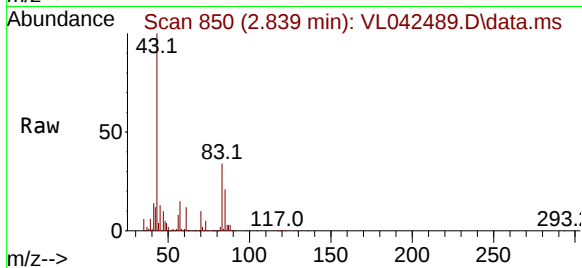


#25
Ethyl Acetate
Concen: 10.377 ppbv
RT: 2.839 min Scan# 849
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

Tgt Ion: 43 Resp: 207809

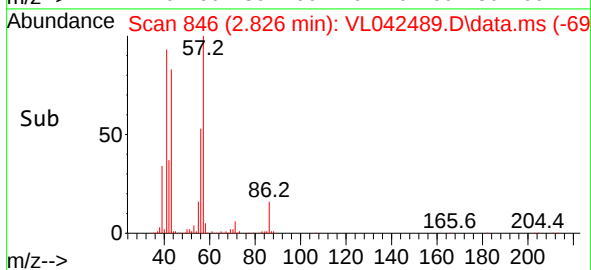
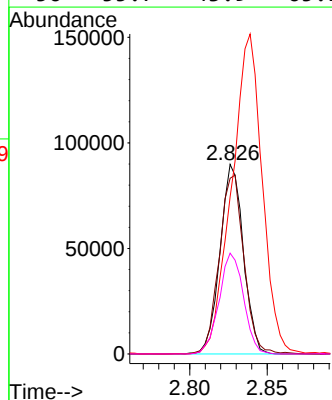
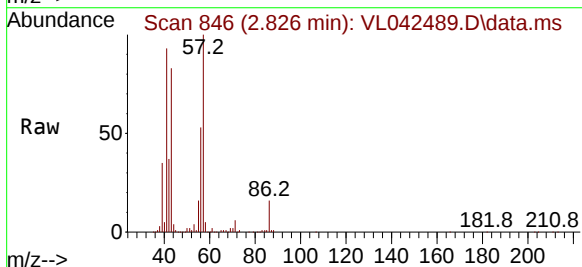
Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.8	11.6
61	9.6	7.2	10.8
70	9.6	7.2	10.8

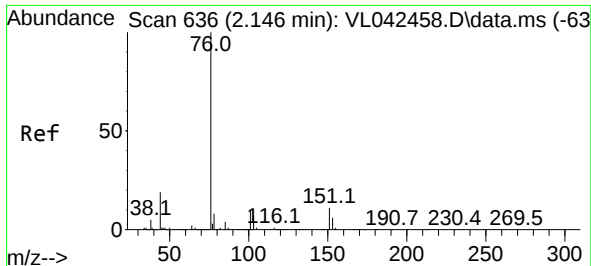


#26
Hexane
Concen: 10.775 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Tgt Ion: 57 Resp: 94005

Ion	Ratio	Lower	Upper
57	100		
41	100.1	77.8	116.8
43	222.1	187.0	280.6
56	55.7	43.9	65.9

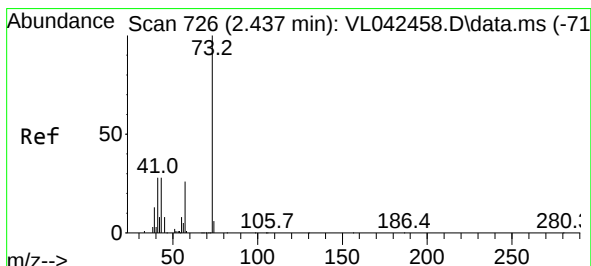
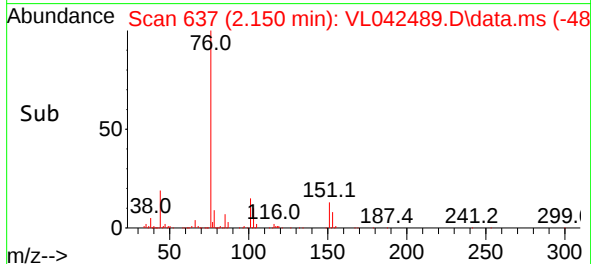
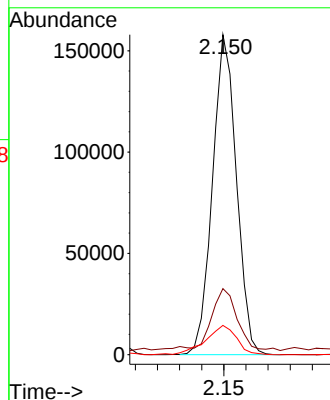
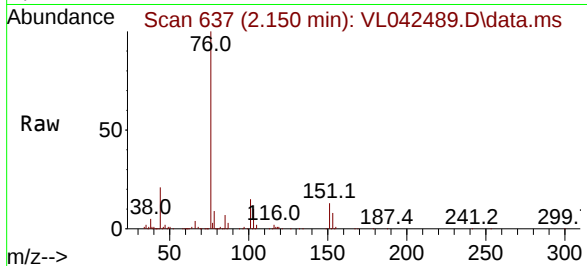




#27
Carbon Disulfide
Concen: 11.662 ppbv
RT: 2.150 min Scan# 61
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

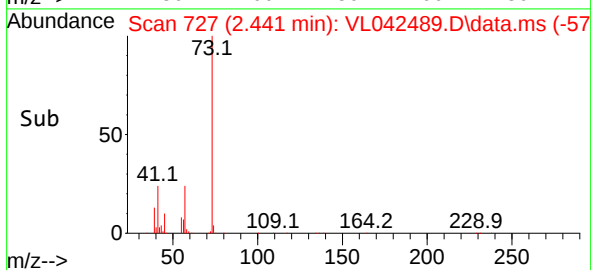
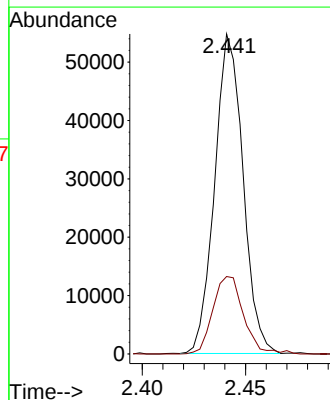
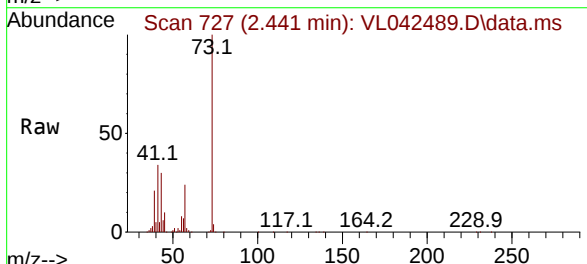
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

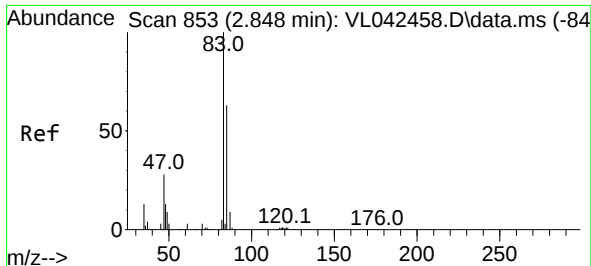
Tgt Ion: 76 Resp: 118732
Ion Ratio Lower Upper
76 100
44 18.7 21.0 31.6#
78 11.8 8.6 13.0



#28
Methyl tert-Butyl Ether
Concen: 9.977 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Tgt Ion: 73 Resp: 52295
Ion Ratio Lower Upper
73 100
57 26.2 19.9 29.9





#29

Chloroform

Concen: 10.896 ppbv

RT: 2.849 min Scan# 8

Delta R.T. 0.000 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

Instrument :

MSVOA_L

ClientSampleId :

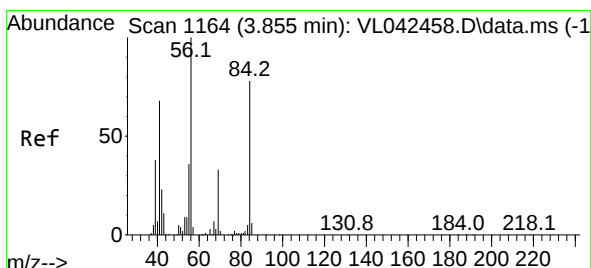
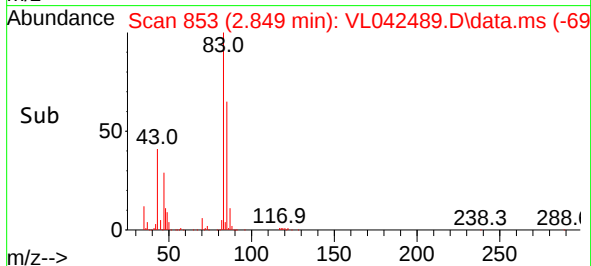
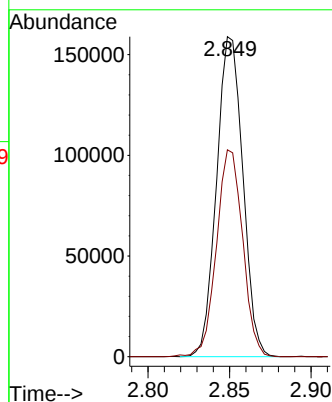
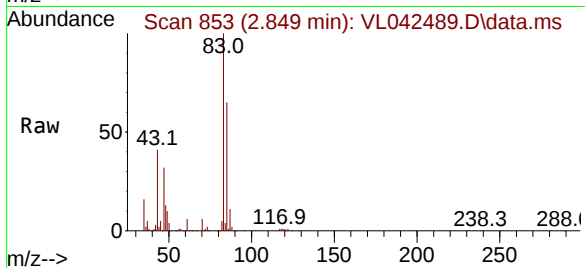
VL0506ABS01

Tgt Ion: 83 Resp: 178140

Ion Ratio Lower Upper

83 100

85 64.6 50.4 75.6



#30

Cyclohexane

Concen: 10.751 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. 0.004 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

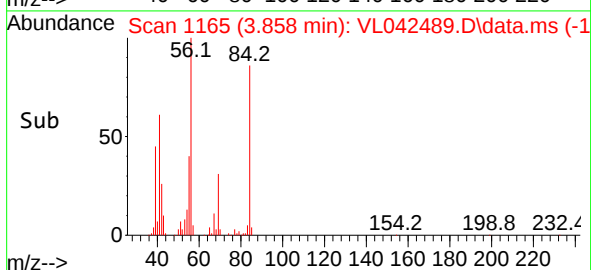
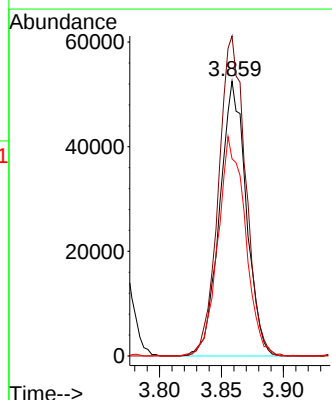
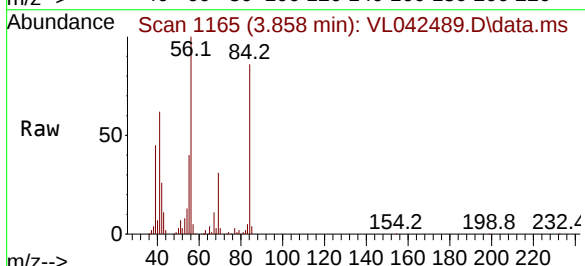
Tgt Ion: 84 Resp: 78419

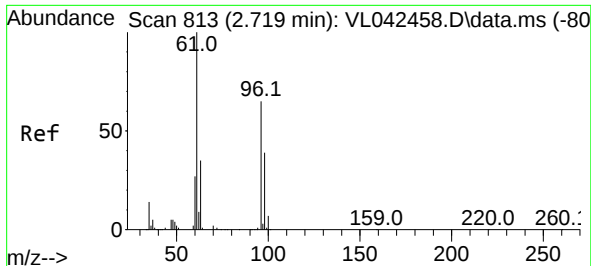
Ion Ratio Lower Upper

84 100

56 118.5 98.1 147.1

41 81.8 65.8 98.8

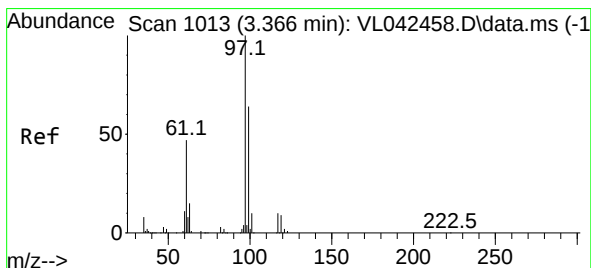
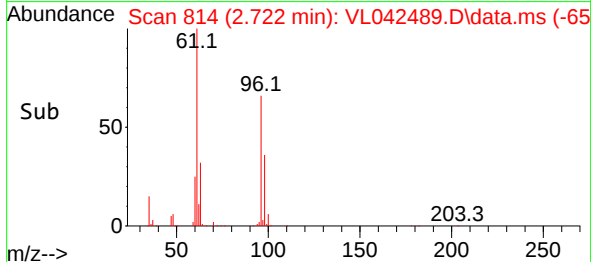
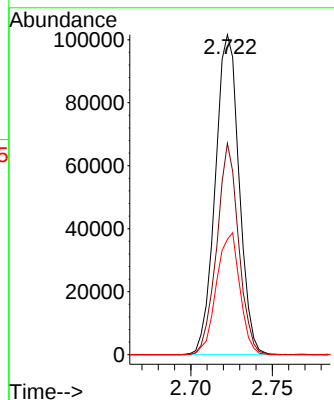
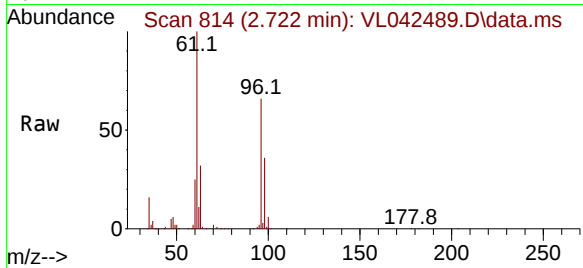




#31
 cis-1,2-Dichloroethene
 Concen: 10.119 ppbv
 RT: 2.722 min Scan# 81
 Delta R.T. 0.004 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44

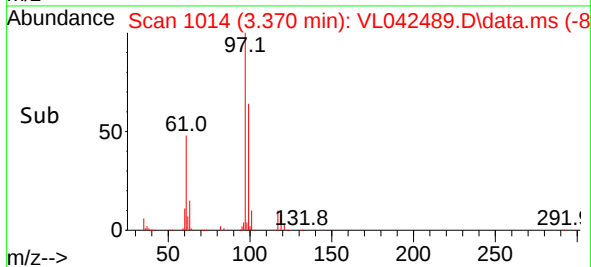
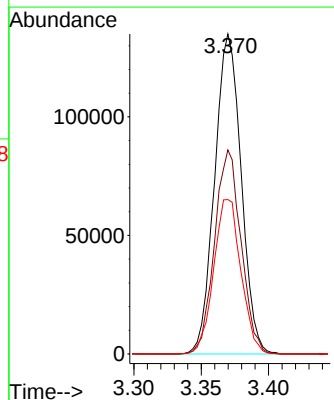
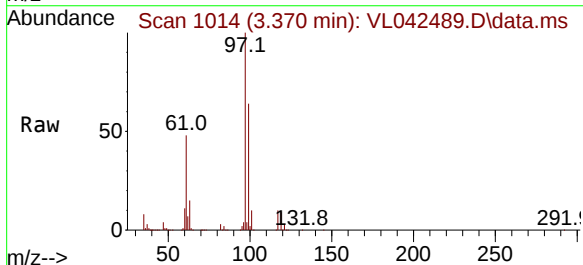
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0506ABS01

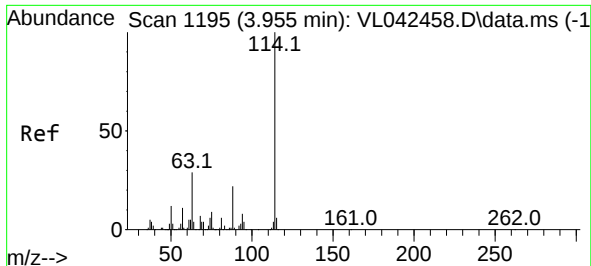
Tgt Ion: 61 Resp: 102999
 Ion Ratio Lower Upper
 61 100
 96 66.0 52.0 78.0
 98 36.1 31.0 46.6



#32
 1,1,1-Trichloroethane
 Concen: 10.433 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. 0.004 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44

Tgt Ion: 97 Resp: 185042
 Ion Ratio Lower Upper
 97 100
 99 63.6 50.7 76.1
 61 49.6 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.007 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

Instrument :

MSVOA_1

ClientSampleId :

VL0506ABS01

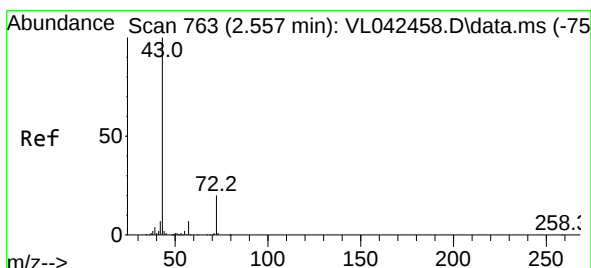
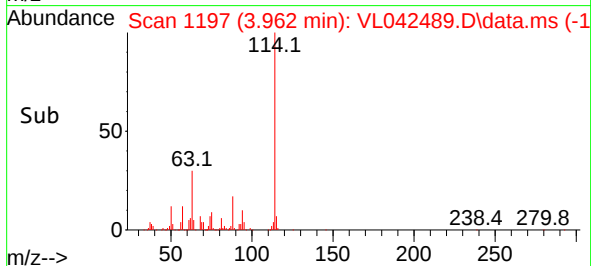
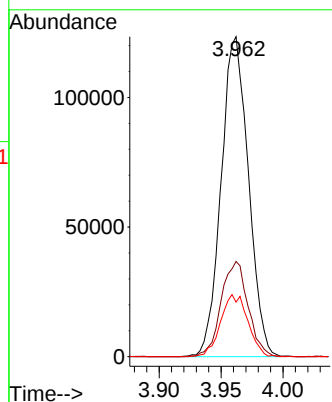
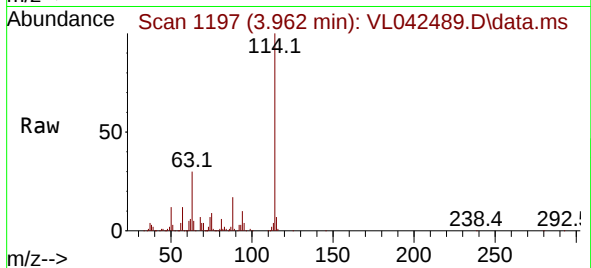
Tgt Ion:114 Resp: 189766

Ion Ratio Lower Upper

114 100

63 29.4 23.1 34.7

88 19.4 16.1 24.1



#34

2-Butanone

Concen: 9.874 ppbv

RT: 2.561 min Scan# 764

Delta R.T. 0.004 min

Lab File: VL042489.D

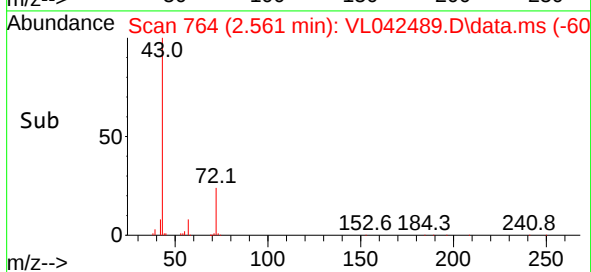
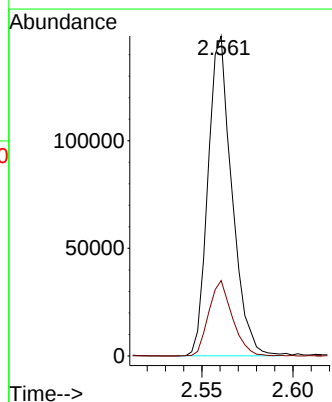
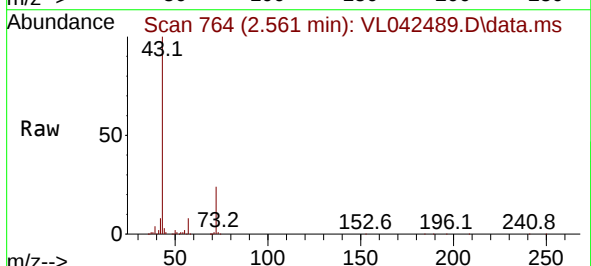
Acq: 06 May 2025 10:44

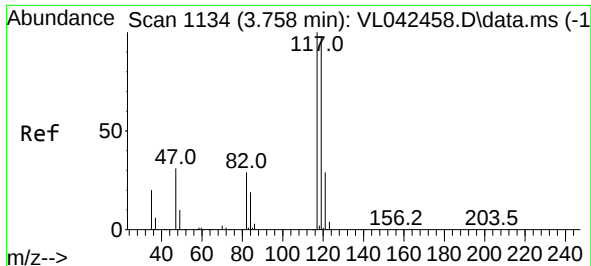
Tgt Ion: 43 Resp: 135534

Ion Ratio Lower Upper

43 100

72 23.4 16.7 25.1

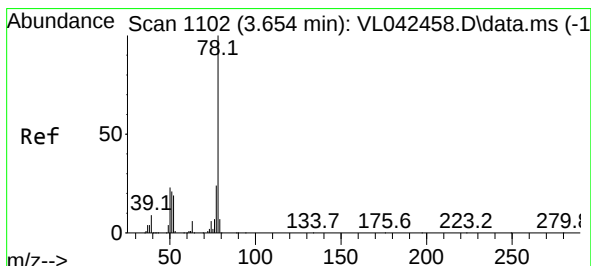
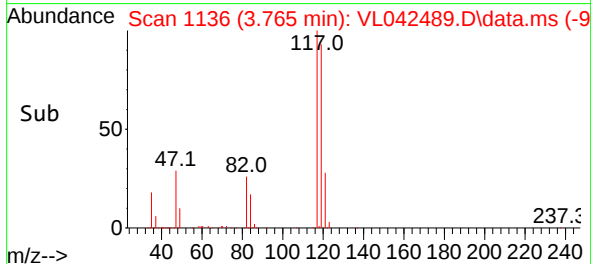
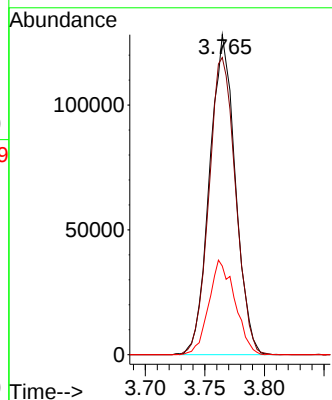
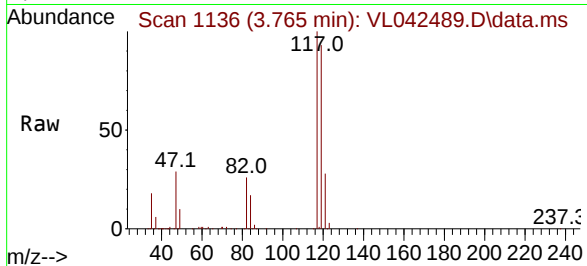




#35
Carbon Tetrachloride
Concen: 11.164 ppbv
RT: 3.765 min Scan# 1134
Delta R.T. 0.007 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

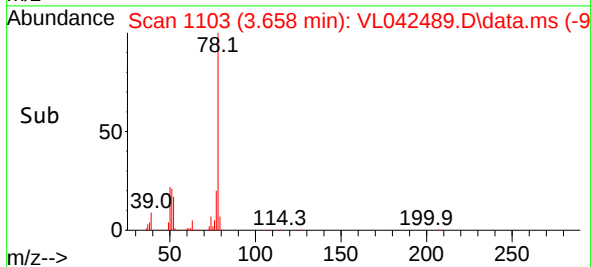
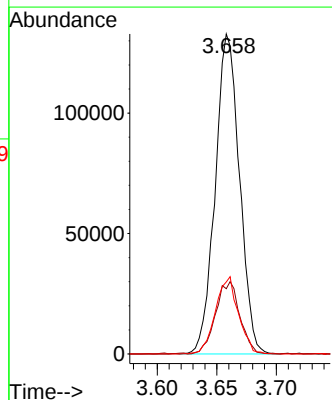
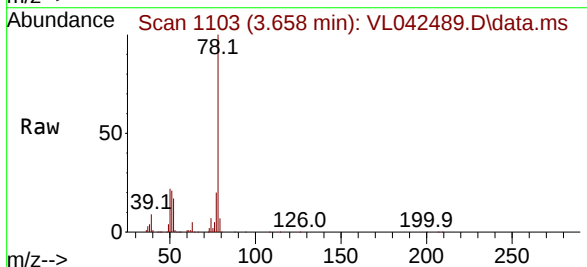
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

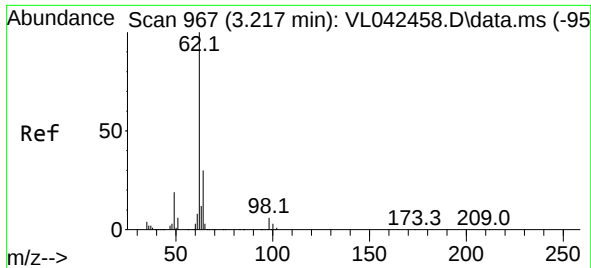
Tgt Ion:117 Resp: 192452
Ion Ratio Lower Upper
117 100
119 92.8 78.1 117.1
121 27.7 23.0 34.6



#36
Benzene
Concen: 10.503 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Tgt Ion: 78 Resp: 188082
Ion Ratio Lower Upper
78 100
77 20.4 18.9 28.3
50 22.5 18.4 27.6





#37

1,2-Dichloroethane

Concen: 10.922 ppbv

RT: 3.221 min Scan# 9

Delta R.T. 0.004 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

Instrument :

MSVOA_L

ClientSampleId :

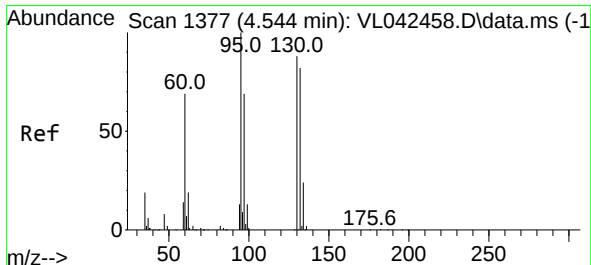
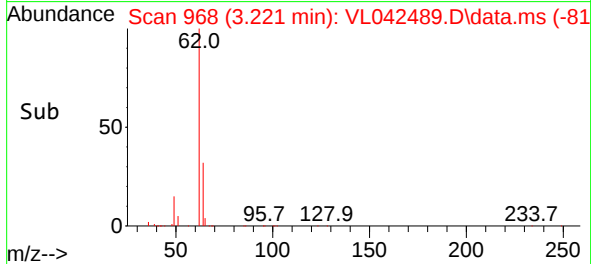
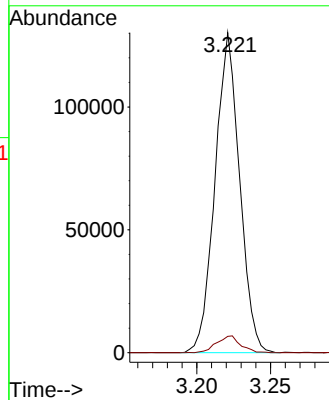
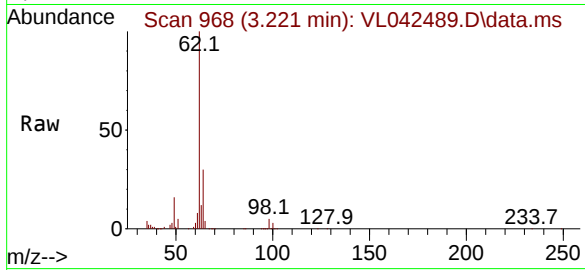
VL0506ABS01

Tgt Ion: 62 Resp: 150741

Ion Ratio Lower Upper

62 100

98 5.1 4.3 6.5



#38

Trichloroethene

Concen: 11.005 ppbv

RT: 4.554 min Scan# 1380

Delta R.T. 0.010 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

Tgt Ion:130 Resp: 75153

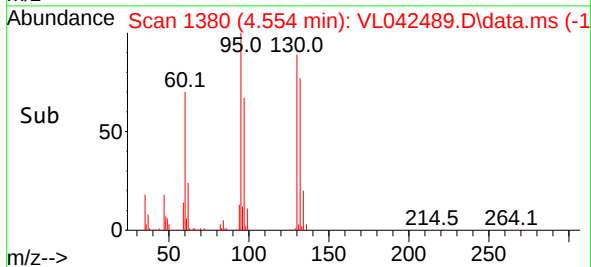
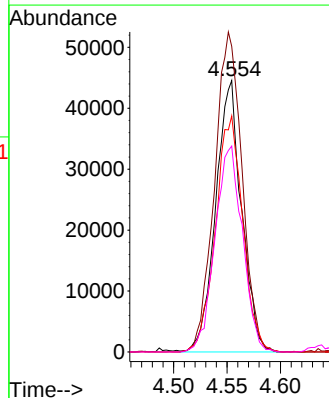
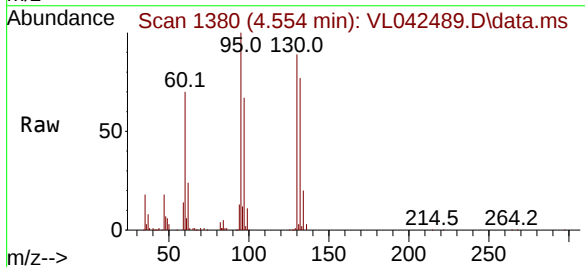
Ion Ratio Lower Upper

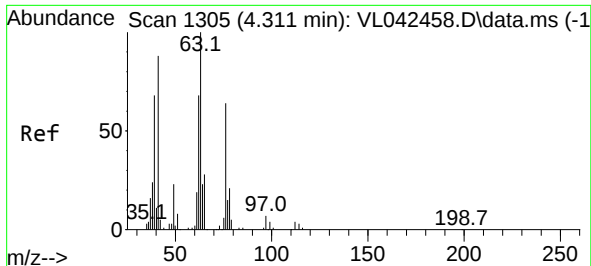
130 100

95 112.6 91.0 136.4

132 86.9 74.2 111.4

97 75.8 62.3 93.5





#39

1,2-Dichloropropane

Concen: 10.086 ppbv

RT: 4.315 min Scan# 1305

Delta R.T. 0.004 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

Instrument :

MSVOA_1

ClientSampleId :

VL0506ABS01

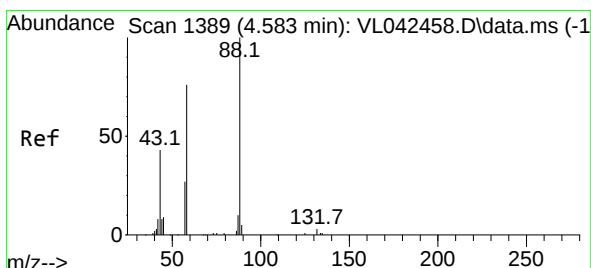
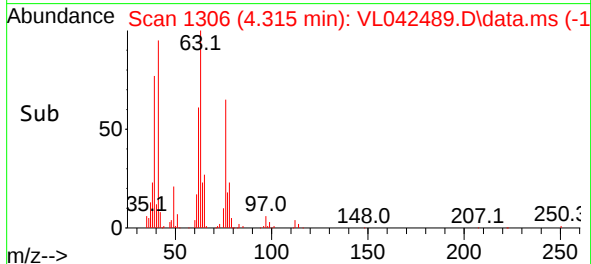
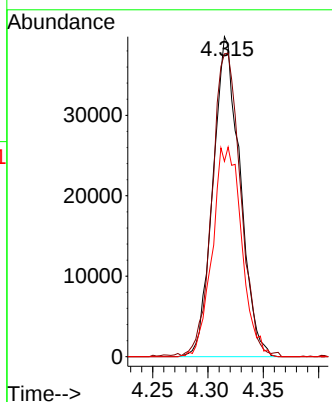
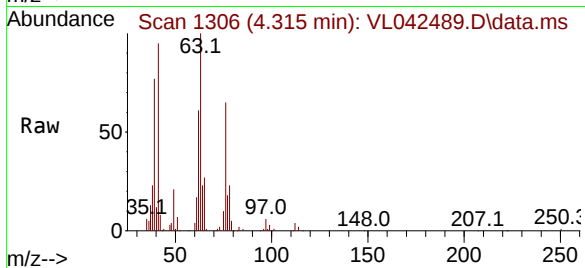
Tgt Ion: 63 Resp: 67616

Ion Ratio Lower Upper

63 100

41 93.6 69.8 104.6

62 61.0 54.3 81.5



#40

1,4-Dioxane

Concen: 9.786 ppbv

RT: 4.583 min Scan# 1389

Delta R.T. 0.000 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

Tgt Ion: 88 Resp: 30720

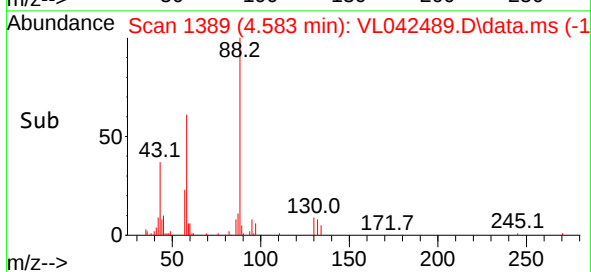
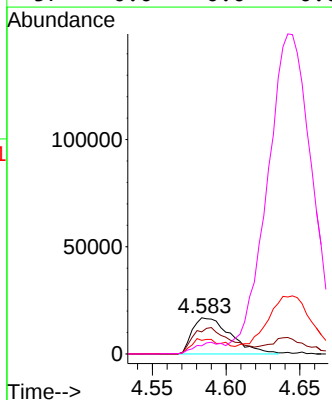
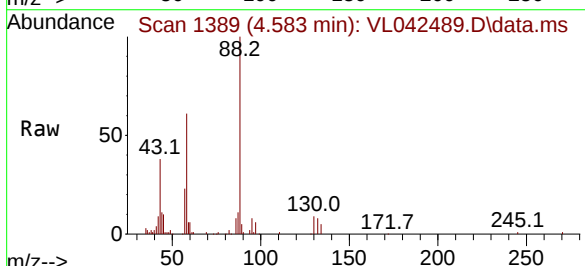
Ion Ratio Lower Upper

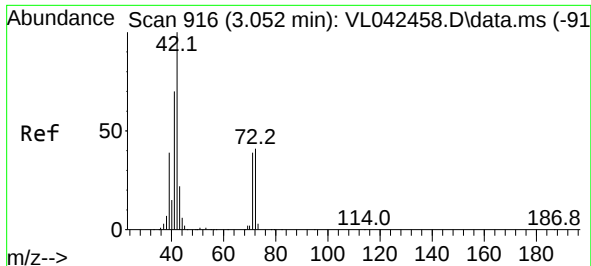
88 100

58 69.3 0.0 0.0#

43 36.9 0.0 0.0#

57 0.0 0.0 0.0

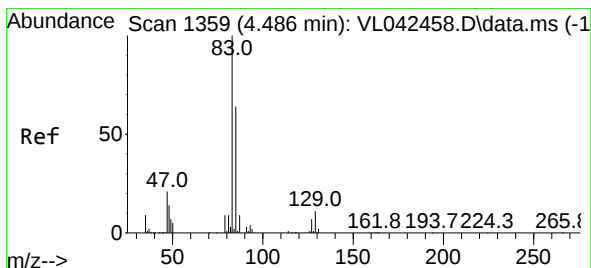
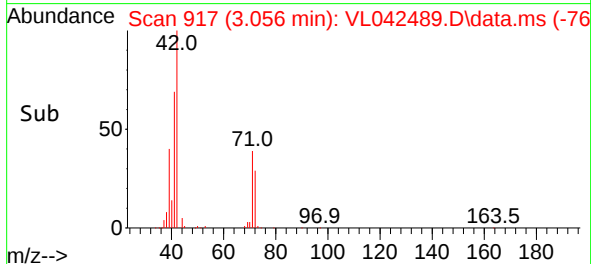
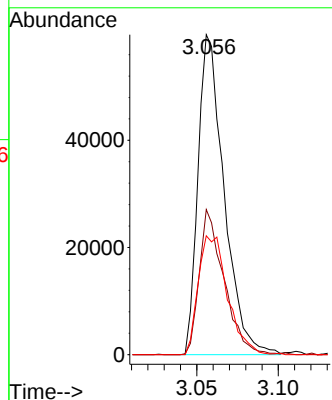
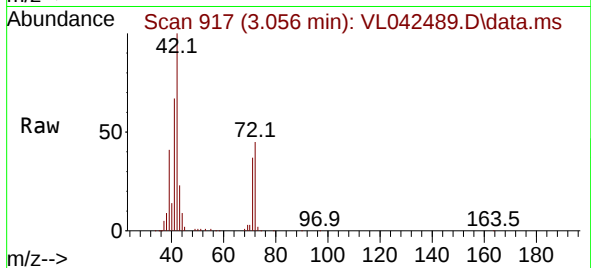




#41
Tetrahydrofuran
Concen: 10.179 ppbv
RT: 3.056 min Scan# 916
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

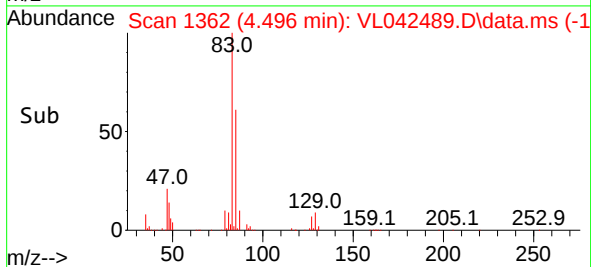
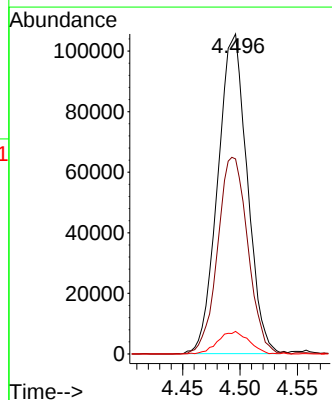
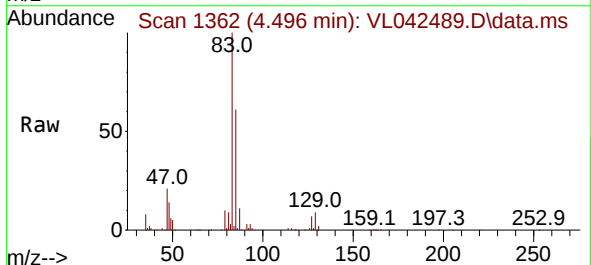
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

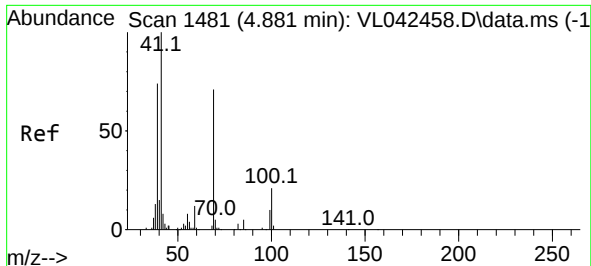
Tgt Ion: 42 Resp: 66397
Ion Ratio Lower Upper
42 100
72 43.1 33.5 50.3
71 41.7 32.6 49.0



#42
Bromodichloromethane
Concen: 11.163 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.010 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Tgt Ion: 83 Resp: 188247
Ion Ratio Lower Upper
83 100
85 61.0 51.5 77.3
127 7.0 5.4 8.2

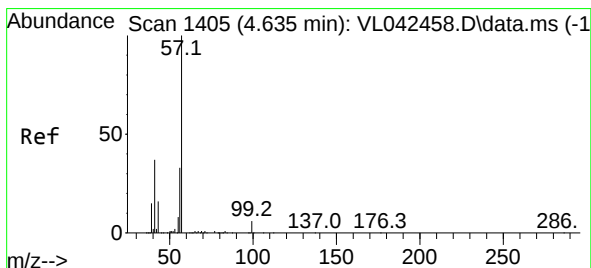
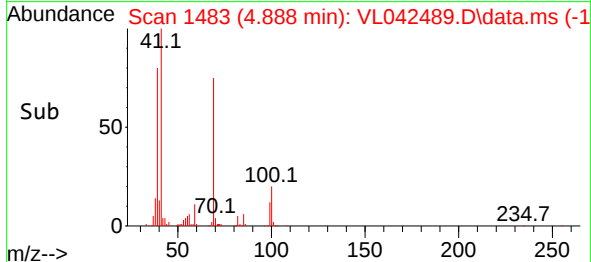
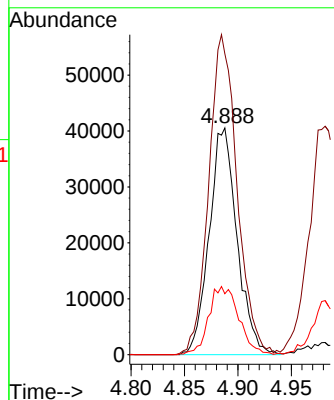
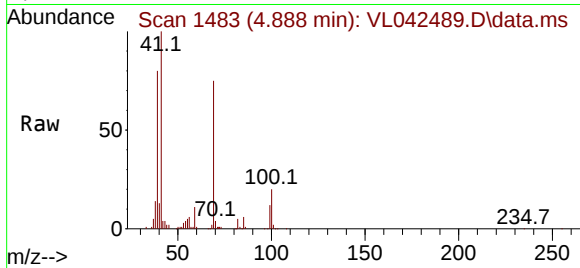




#43
Methyl Methacrylate
Concen: 11.030 ppbv
RT: 4.888 min Scan# 1483
Delta R.T. 0.007 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

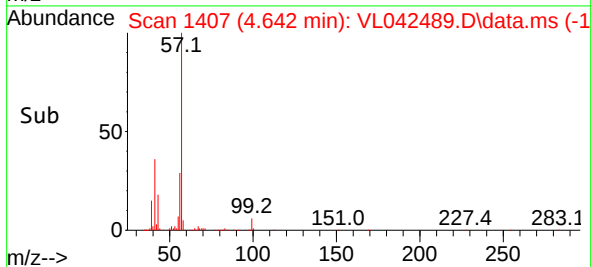
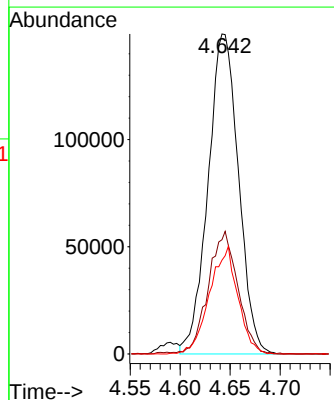
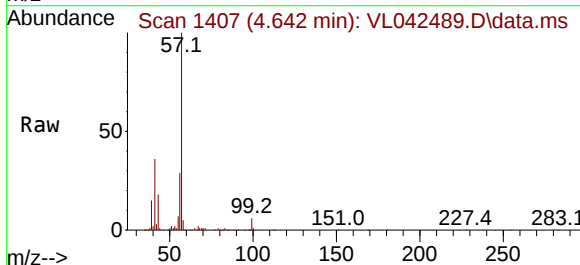
Instrument :
MSVOA_1
ClientSampleId :
VL0506ABS01

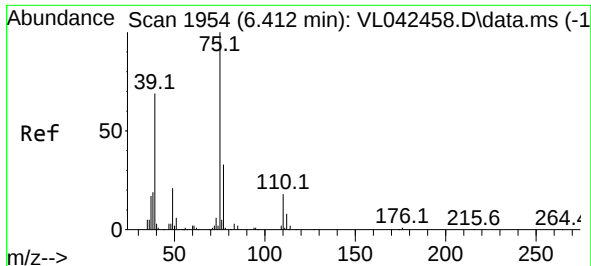
Tgt Ion: 69 Resp: 73710
Ion Ratio Lower Upper
69 100
41 143.1 120.8 181.2
100 32.3 26.7 40.1



#44
2,2,4-Trimethylpentane
Concen: 10.921 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.007 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Tgt Ion: 57 Resp: 317017
Ion Ratio Lower Upper
57 100
41 37.6 30.6 45.8
56 31.1 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 10.864 ppbv

RT: 6.419 min Scan# 1954

Delta R.T. 0.007 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

Instrument :

MSVOA_1

ClientSampleId :

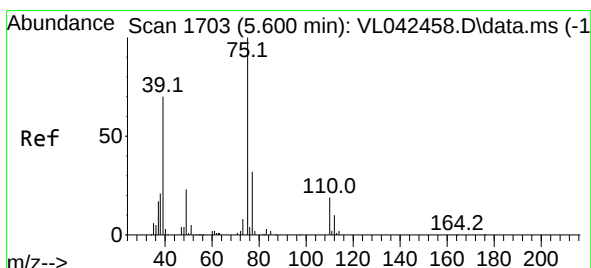
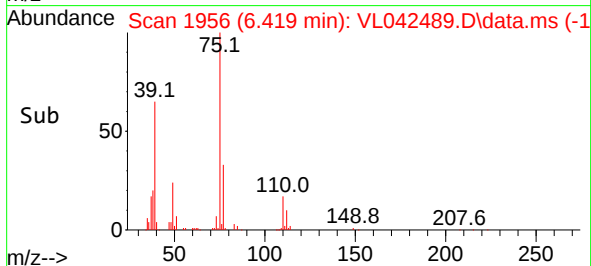
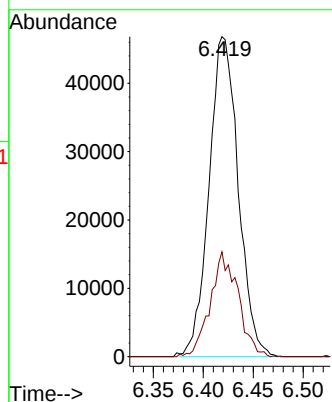
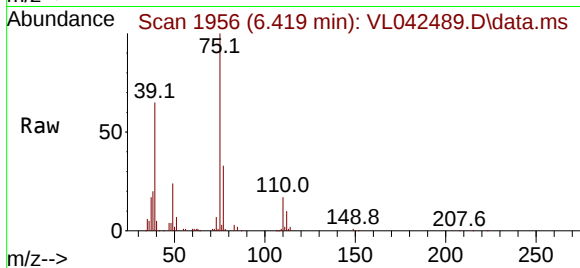
VL0506ABS01

Tgt Ion: 75 Resp: 95245

Ion Ratio Lower Upper

75 100

77 32.8 26.3 39.5



#46

cis-1,3-Dichloropropene

Concen: 10.751 ppbv

RT: 5.603 min Scan# 1704

Delta R.T. 0.004 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

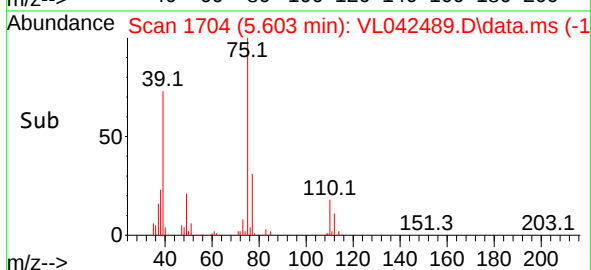
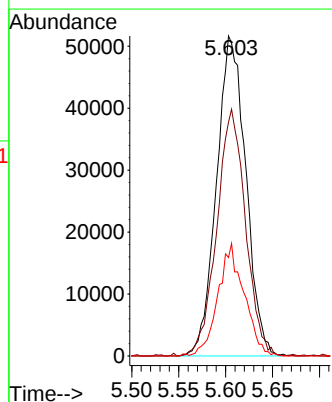
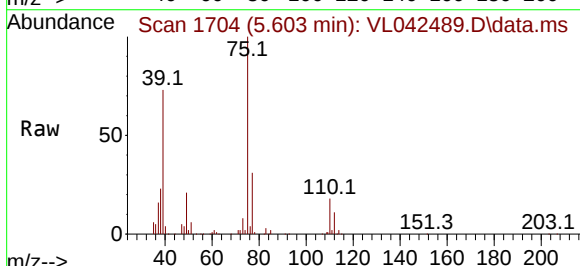
Tgt Ion: 75 Resp: 112024

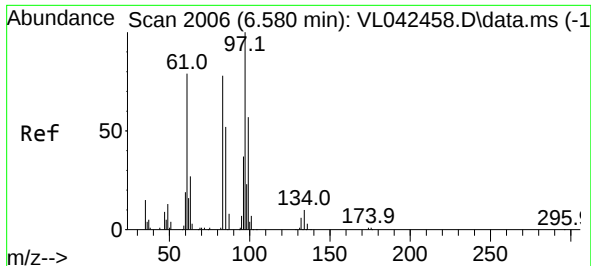
Ion Ratio Lower Upper

75 100

39 72.9 55.7 83.5

77 30.8 25.8 38.8

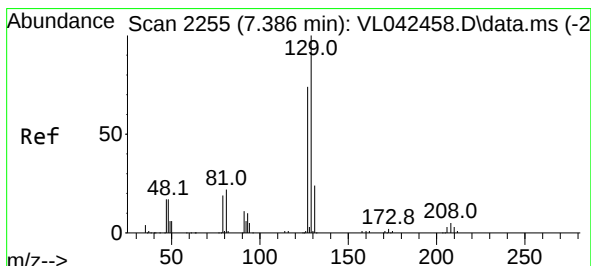
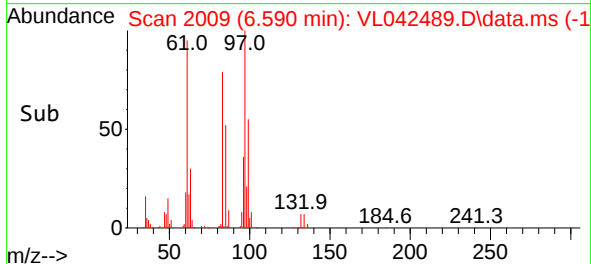
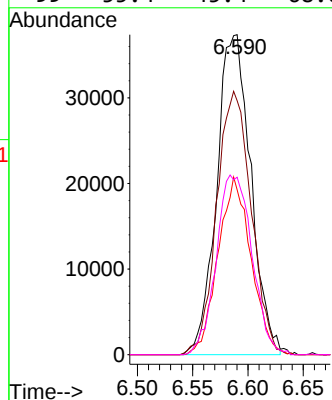
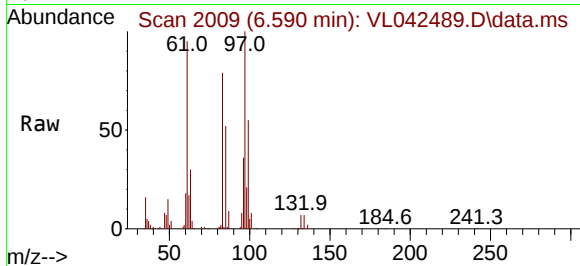




#47
 1,1,2-Trichloroethane
 Concen: 10.880 ppbv
 RT: 6.590 min Scan# 2009
 Delta R.T. 0.010 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44

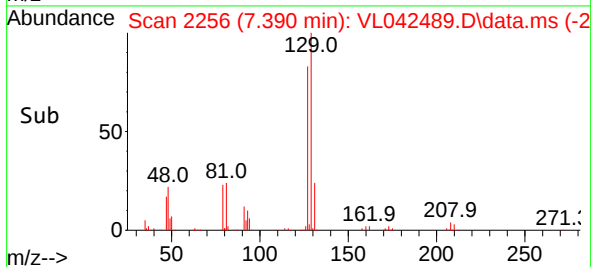
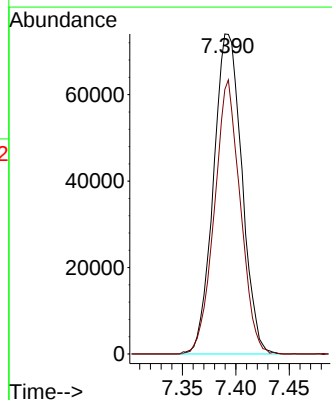
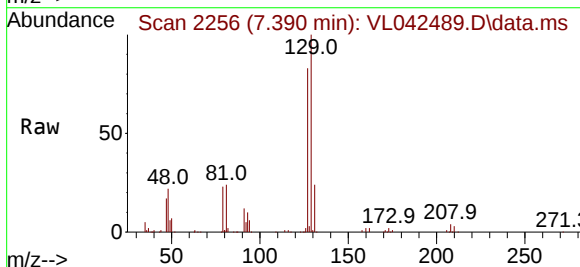
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0506ABS01

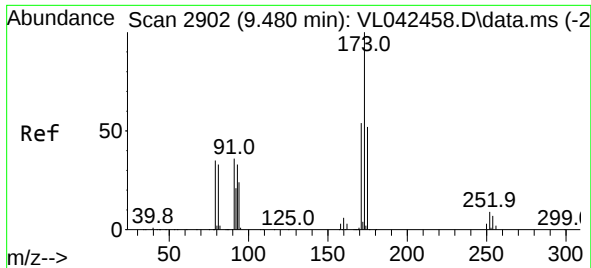
Tgt Ion:	97	Resp:	80000
Ion	Ratio	Lower	Upper
97	100		
83	79.4	62.2	93.2
85	51.5	41.5	62.3
99	55.4	45.4	68.0



#48
 Dibromochloromethane
 Concen: 11.039 ppbv
 RT: 7.390 min Scan# 2256
 Delta R.T. 0.004 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44

Tgt Ion:	129	Resp:	137019
Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.5	118.5

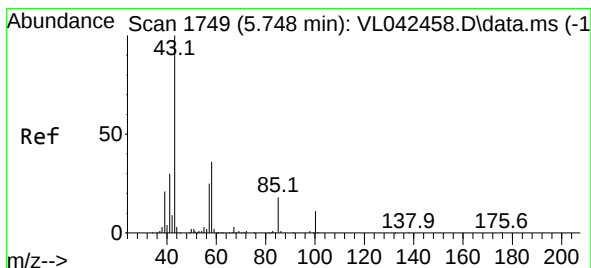
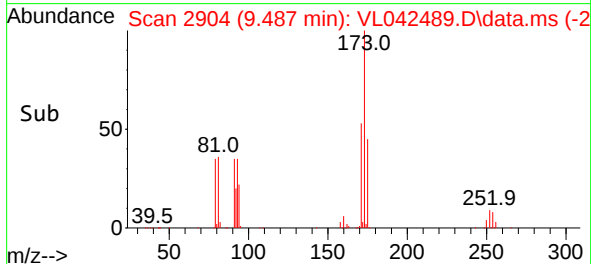
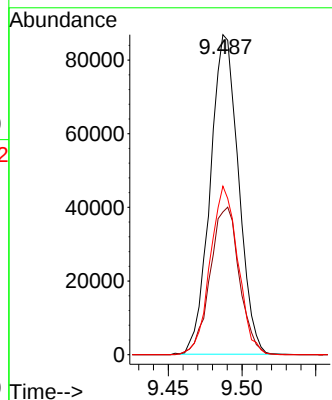
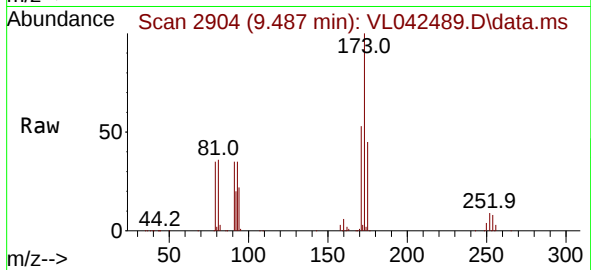




#49
Bromoform
Concen: 11.110 ppbv
RT: 9.487 min Scan# 2904
Delta R.T. 0.007 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

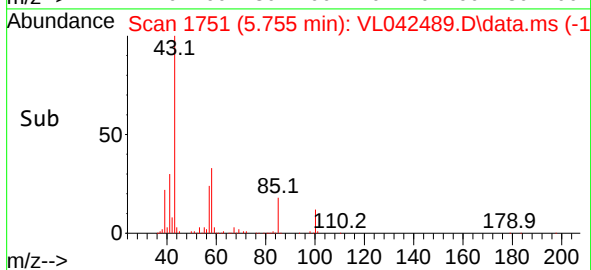
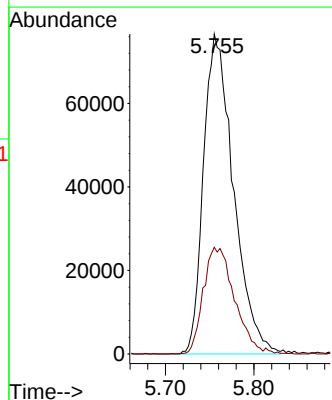
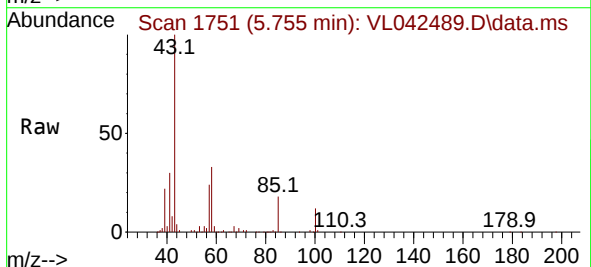
Instrument :
MSVOA_1
ClientSampleId :
VL0506ABS01

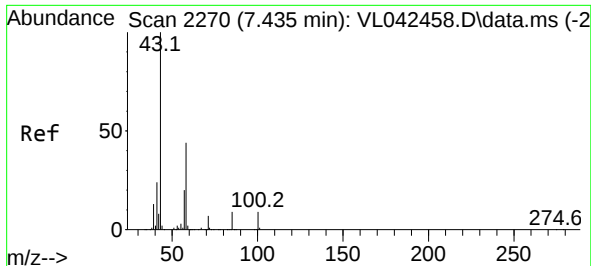
Tgt Ion:173 Resp: 115649
Ion Ratio Lower Upper
173 100
175 47.8 38.9 58.3
171 51.8 40.6 60.8



#50
4-Methyl-2-Pentanone
Concen: 10.365 ppbv
RT: 5.755 min Scan# 1751
Delta R.T. 0.007 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Tgt Ion: 43 Resp: 179961
Ion Ratio Lower Upper
43 100
58 34.9 29.5 44.3

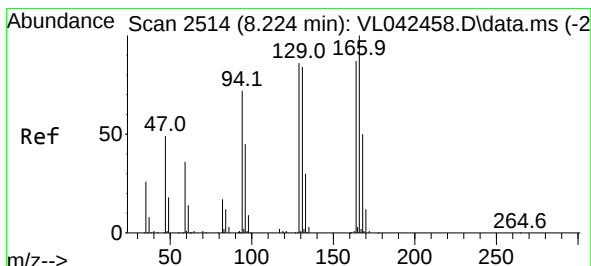
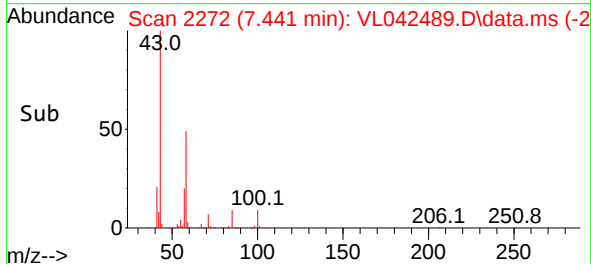
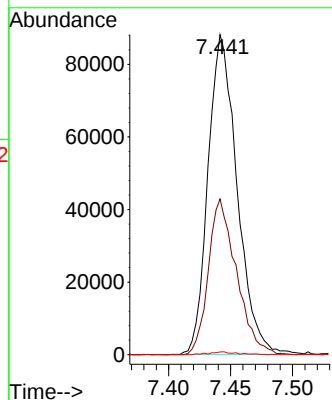
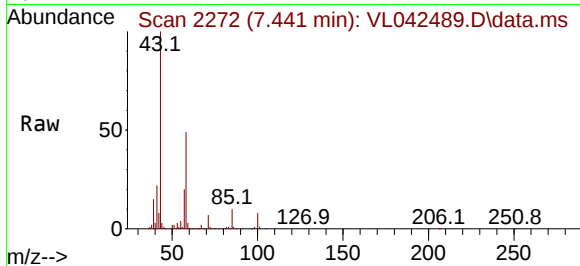




#51
2-Hexanone
Concen: 10.359 ppbv
RT: 7.441 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

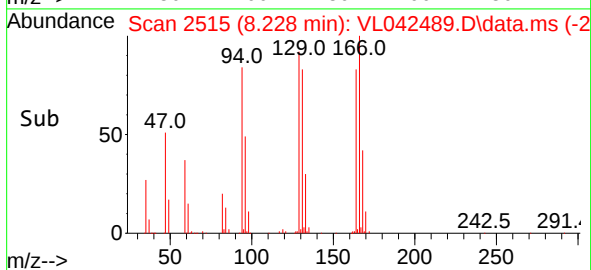
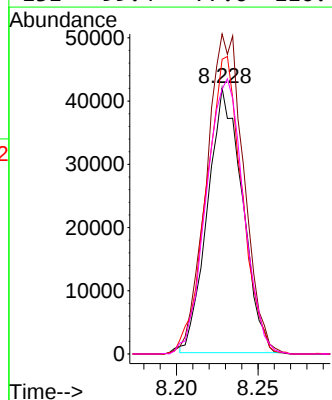
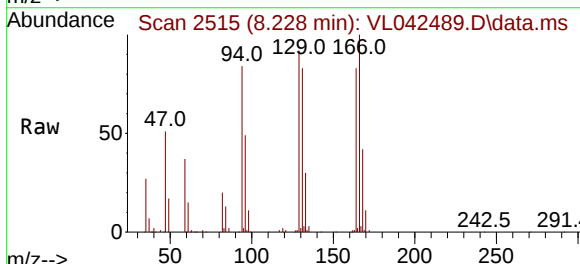
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

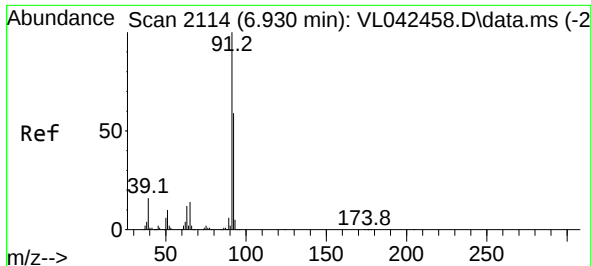
Tgt Ion: 43 Resp: 143801
Ion Ratio Lower Upper
43 100
58 47.3 37.2 55.8
98 0.8 0.4 0.6#



#52
Tetrachloroethene
Concen: 9.074 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Tgt Ion: 164 Resp: 61852
Ion Ratio Lower Upper
164 100
166 119.7 91.6 137.4
129 110.7 79.0 118.4
131 99.4 77.6 116.4





#53

Toluene

Concen: 11.159 ppbv

RT: 6.940 min Scan# 2114

Delta R.T. 0.010 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

Instrument :

MSVOA_L

ClientSampleId :

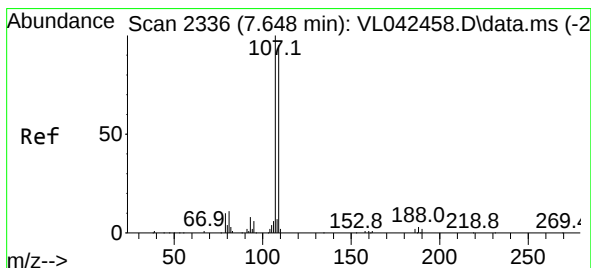
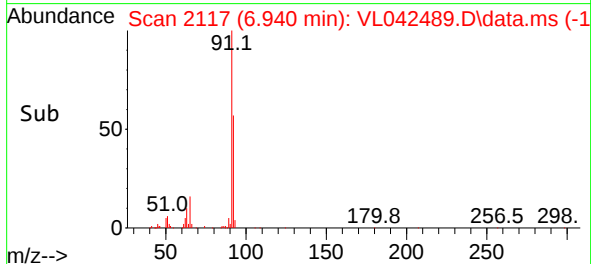
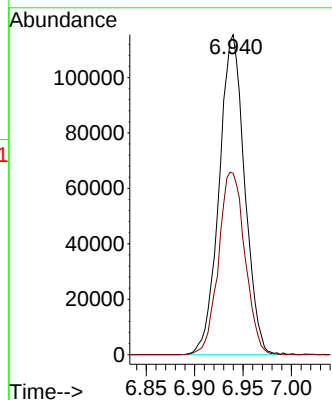
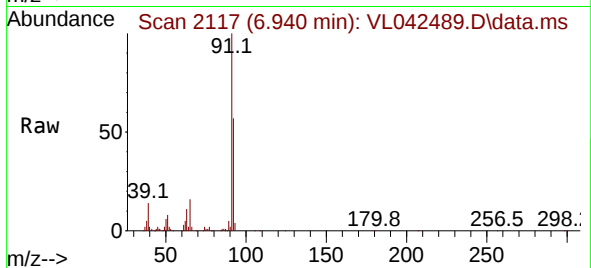
VL0506ABS01

Tgt Ion: 91 Resp: 211514

Ion Ratio Lower Upper

91 100

92 59.0 47.9 71.9



#54

1,2-Dibromoethane

Concen: 10.656 ppbv

RT: 7.655 min Scan# 2338

Delta R.T. 0.007 min

Lab File: VL042489.D

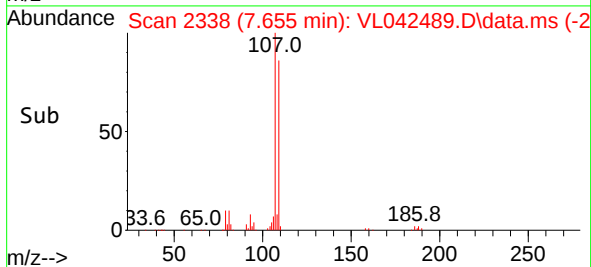
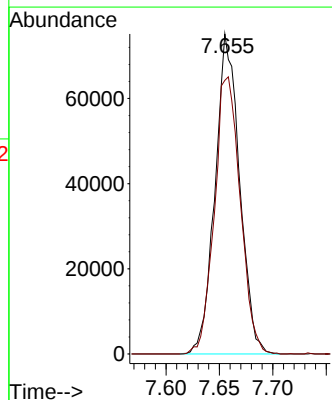
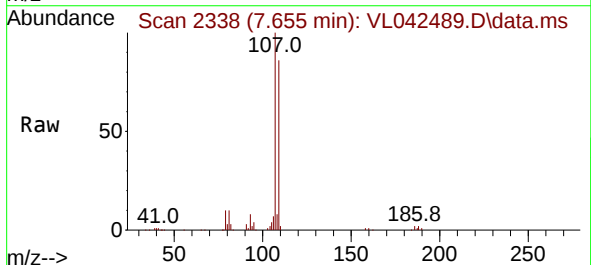
Acq: 06 May 2025 10:44

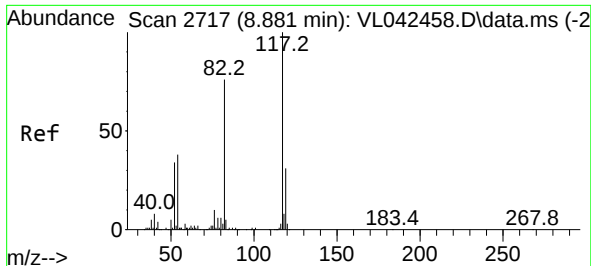
Tgt Ion: 107 Resp: 119785

Ion Ratio Lower Upper

107 100

109 85.5 76.0 114.0

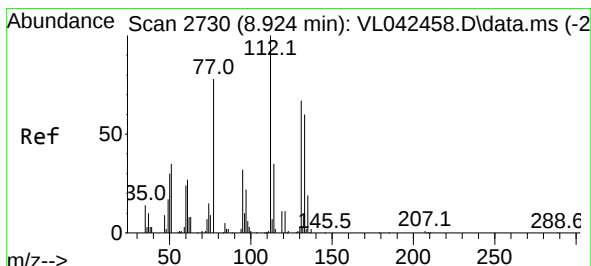
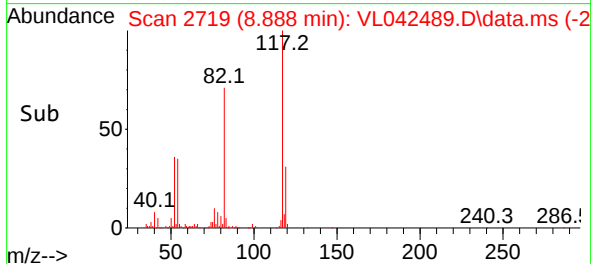
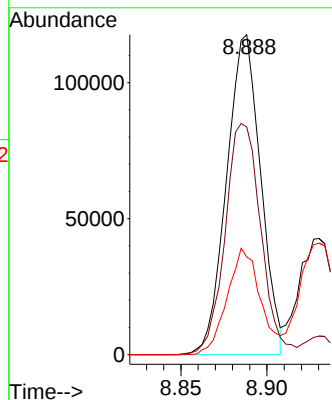
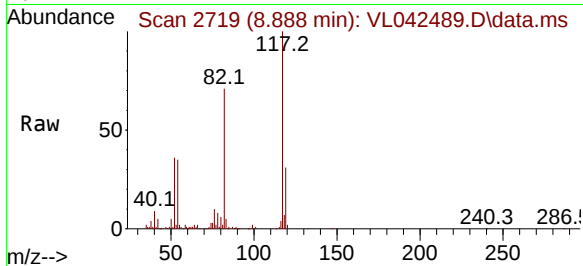




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.007 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

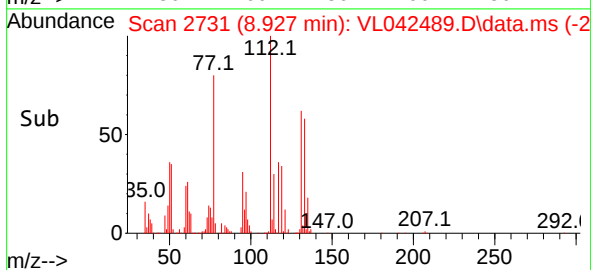
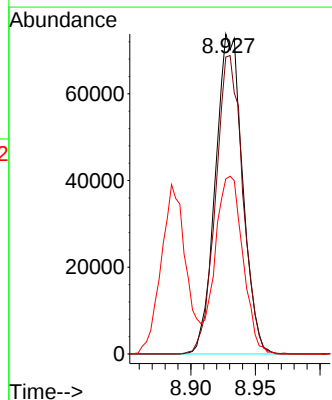
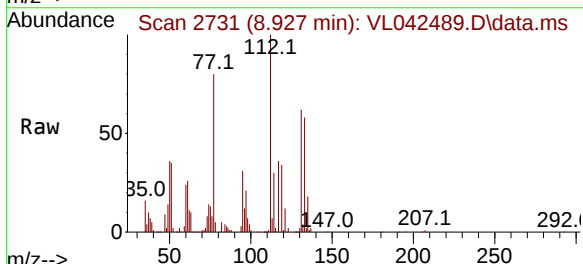
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

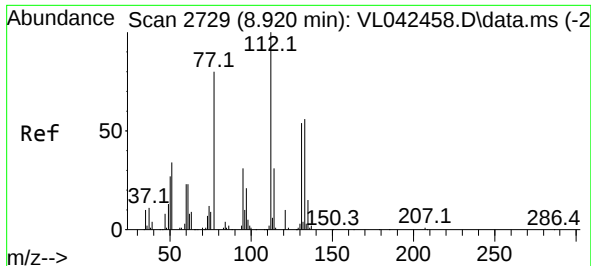
Tgt Ion:117 Resp: 162176
Ion Ratio Lower Upper
117 100
82 80.4 63.5 95.3
119 33.4 25.8 38.8



#56
1,1,1,2-Tetrachloroethane
Concen: 11.256 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Tgt Ion:131 Resp: 107810
Ion Ratio Lower Upper
131 100
133 93.2 76.0 114.0
119 58.0 46.1 69.1





#57

Chlorobenzene

Concen: 10.444 ppbv

RT: 8.927 min Scan# 21

Delta R.T. 0.007 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

Instrument :

MSVOA_L

ClientSampleId :

VL0506ABS01

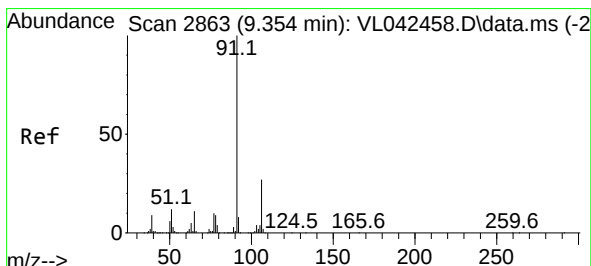
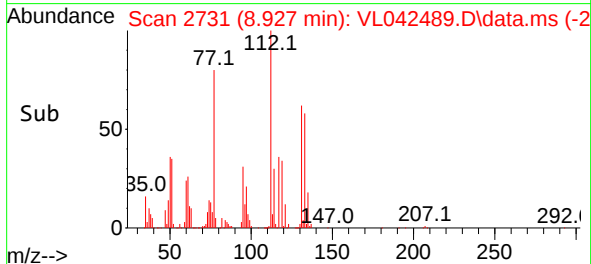
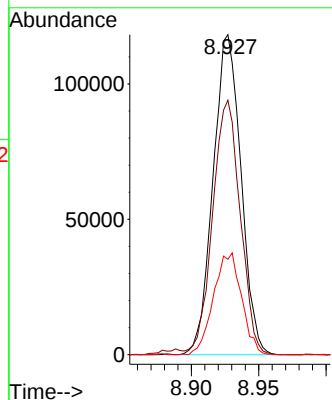
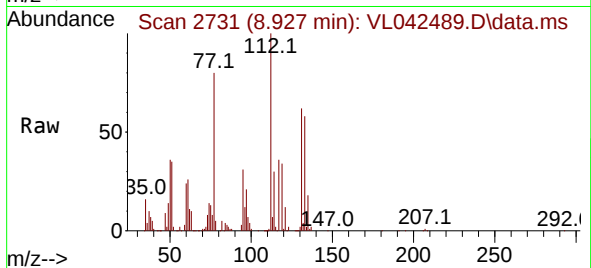
Tgt Ion:112 Resp: 170186

Ion Ratio Lower Upper

112 100

77 79.5 65.0 97.4

114 29.8 27.5 33.7



#58

Ethyl Benzene

Concen: 11.667 ppbv

RT: 9.361 min Scan# 2865

Delta R.T. 0.007 min

Lab File: VL042489.D

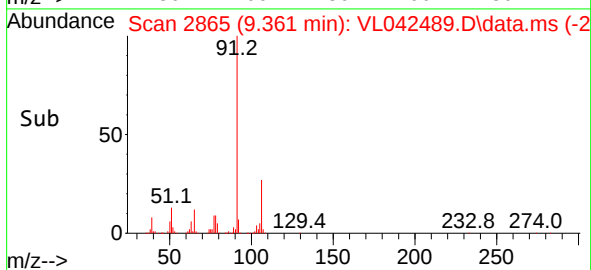
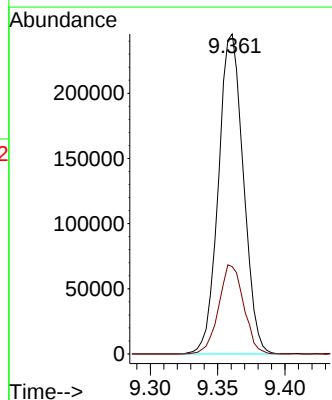
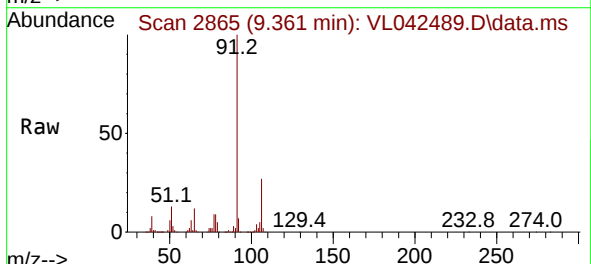
Acq: 06 May 2025 10:44

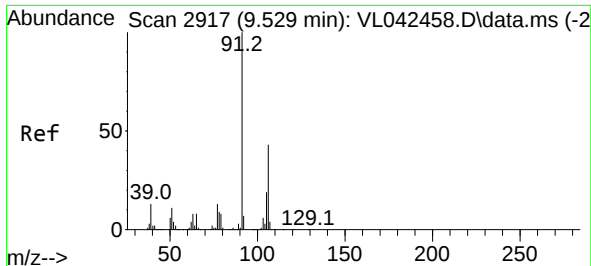
Tgt Ion: 91 Resp: 316187

Ion Ratio Lower Upper

91 100

106 27.3 21.9 32.9





#59

m/p-Xylene

Concen: 12.088 ppbv

RT: 9.536 min Scan# 2919

Delta R.T. 0.007 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

Instrument :

MSVOA_1

ClientSampleId :

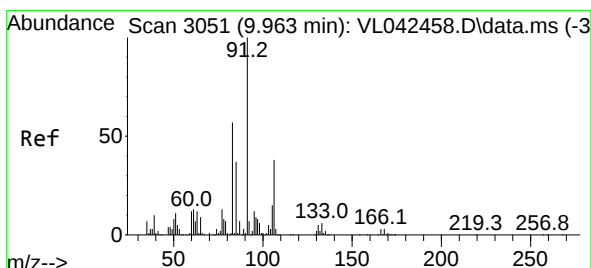
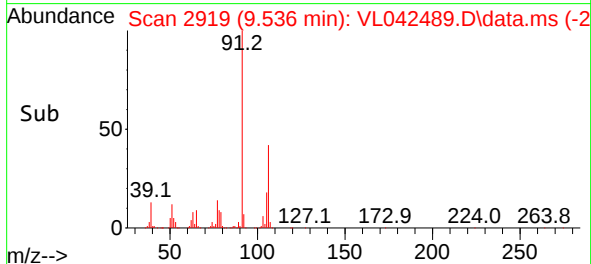
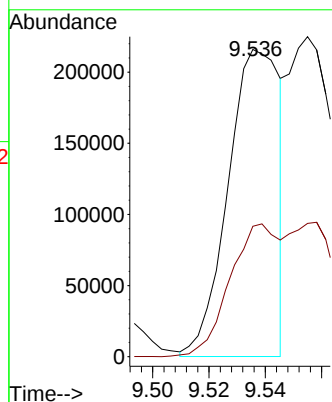
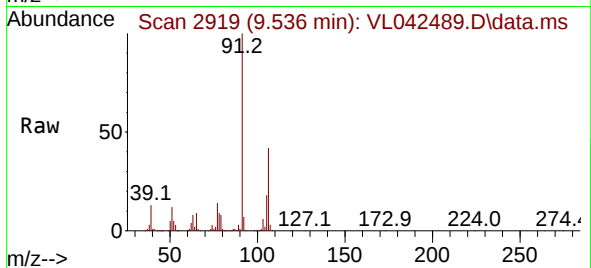
VL0506ABS01

Tgt Ion: 91 Resp: 274644

Ion Ratio Lower Upper

91 100

106 0.0 34.2 51.2#



#60

o-Xylene

Concen: 12.114 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.004 min

Lab File: VL042489.D

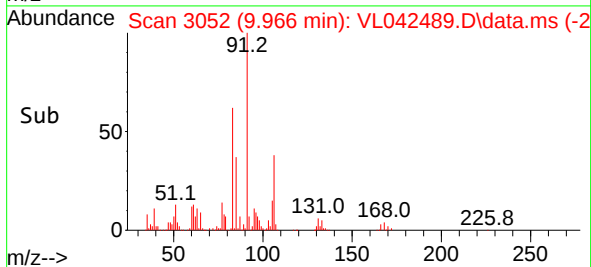
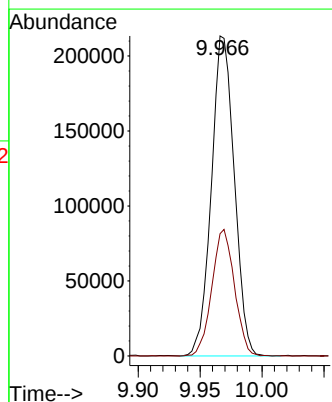
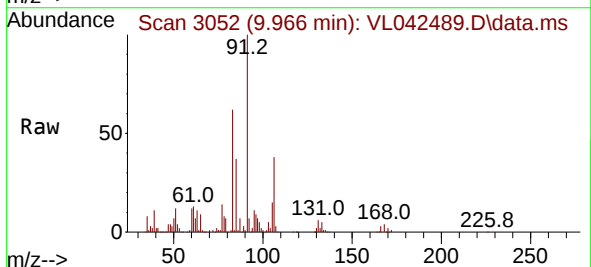
Acq: 06 May 2025 10:44

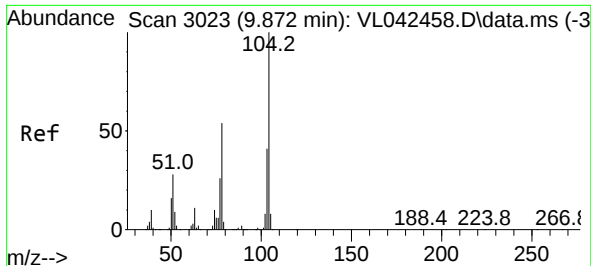
Tgt Ion: 91 Resp: 275574

Ion Ratio Lower Upper

91 100

106 38.9 20.1 60.2

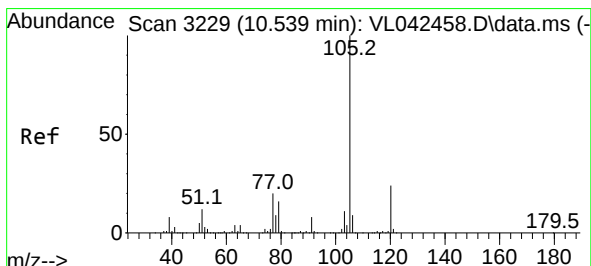
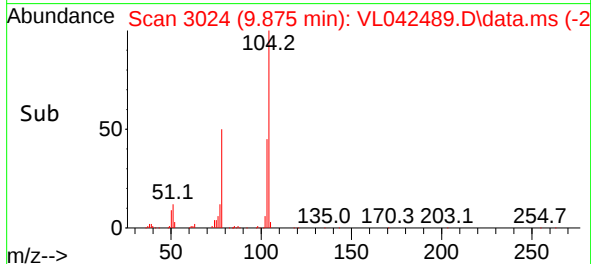
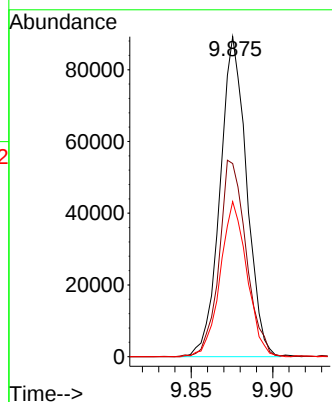
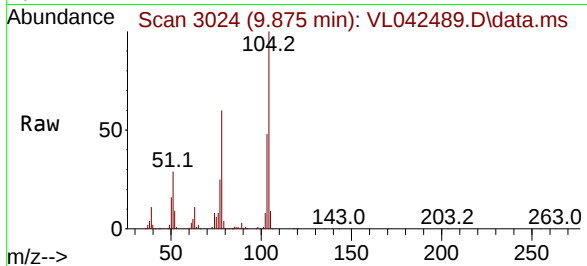




#61
Styrene
Concen: 11.891 ppbv
RT: 9.875 min Scan# 3023
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

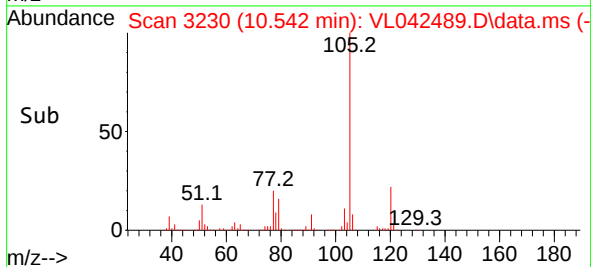
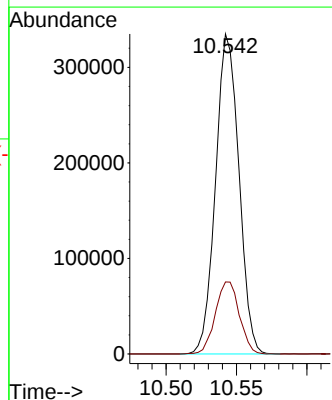
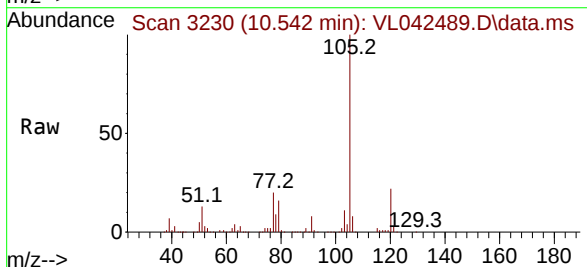
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

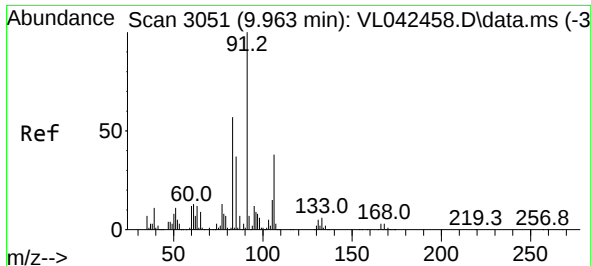
Tgt Ion:104 Resp: 100944
Ion Ratio Lower Upper
104 100
78 62.5 46.9 70.3
103 48.9 36.6 55.0



#62
Isopropylbenzene
Concen: 11.786 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Tgt Ion:105 Resp: 386743
Ion Ratio Lower Upper
105 100
120 23.1 18.8 28.2





#63

1,1,2,2-Tetrachloroethane

Concen: 10.722 ppbv

RT: 9.966 min Scan# 3051

Delta R.T. 0.004 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

Instrument :

MSVOA_L

ClientSampleId :

VL0506ABS01

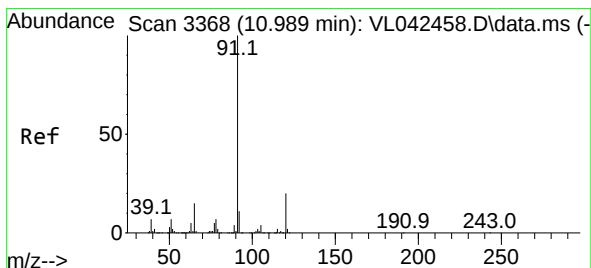
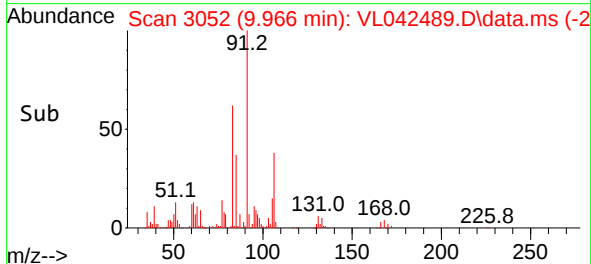
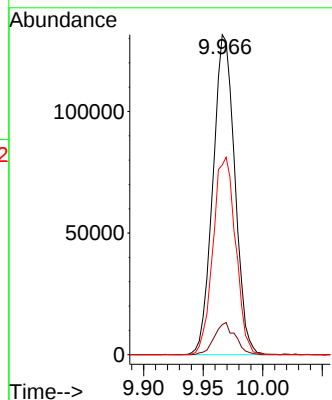
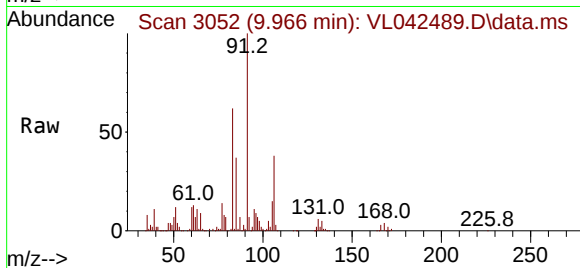
Tgt Ion: 83 Resp: 168155

Ion Ratio Lower Upper

83 100

131 9.5 4.7 14.1

85 63.7 32.5 97.4



#64

n-propylbenzene

Concen: 11.906 ppbv

RT: 10.992 min Scan# 3369

Delta R.T. 0.004 min

Lab File: VL042489.D

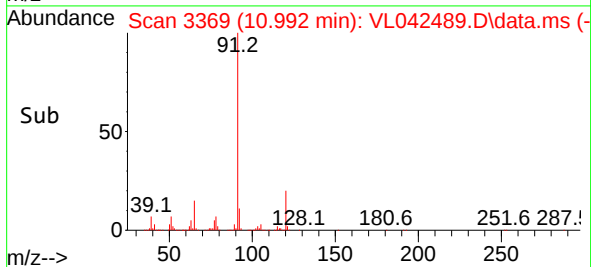
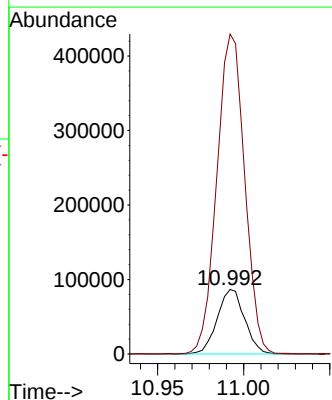
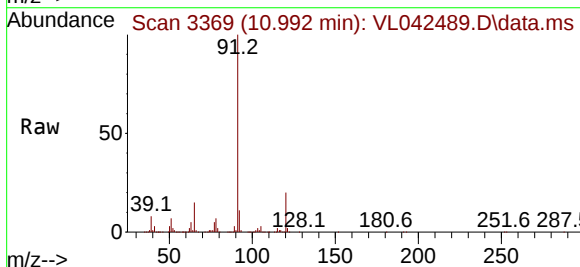
Acq: 06 May 2025 10:44

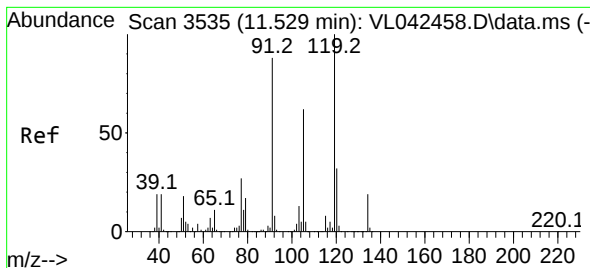
Tgt Ion: 120 Resp: 95485

Ion Ratio Lower Upper

120 100

91 506.2 408.6 612.8





#65

tert-Butylbenzene

Concen: 11.872 ppbv

RT: 11.536 min Scan# 3

Delta R.T. 0.007 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

Instrument :

MSVOA_L

ClientSampleId :

VL0506ABS01

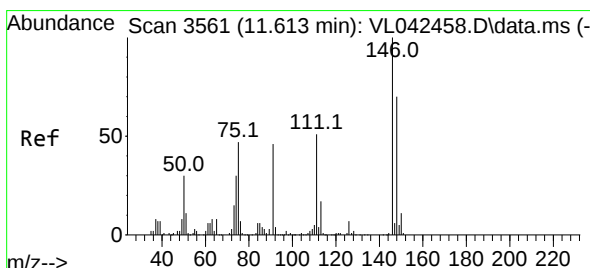
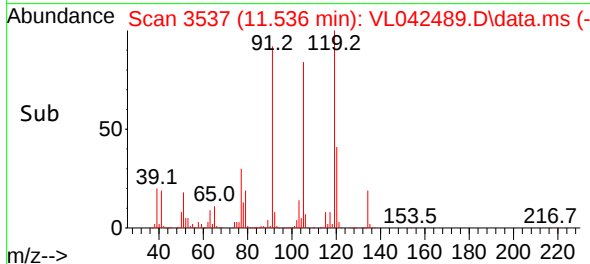
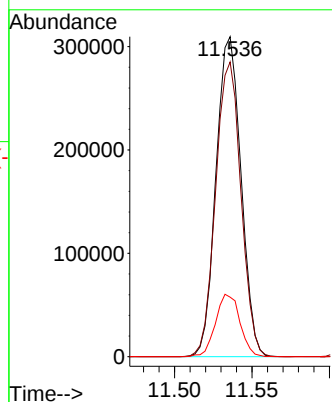
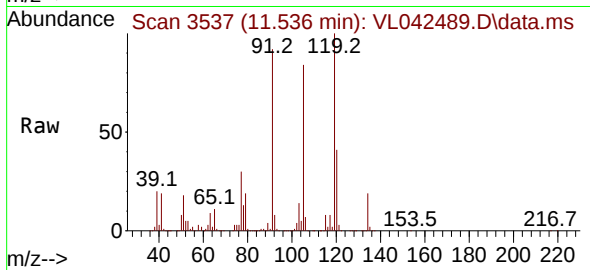
Tgt Ion:119 Resp: 347665

Ion Ratio Lower Upper

119 100

91 93.2 71.6 107.4

134 19.0 15.0 22.4



#66

Benzyl Chloride

Concen: 13.121 ppbv

RT: 11.617 min Scan# 3562

Delta R.T. 0.004 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

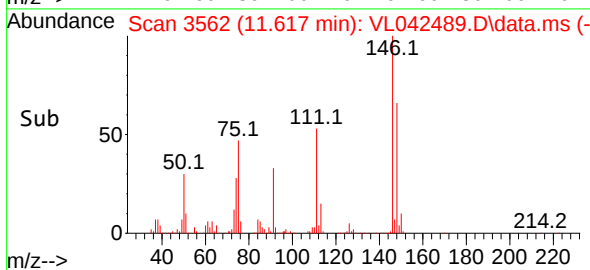
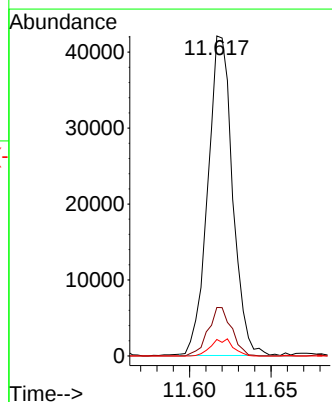
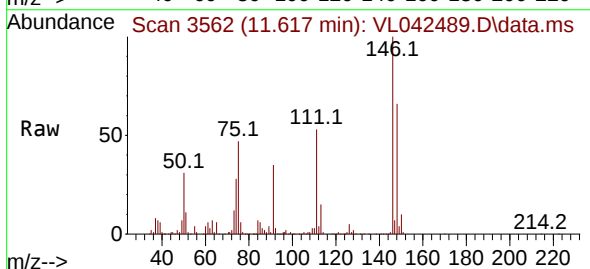
Tgt Ion: 91 Resp: 44409

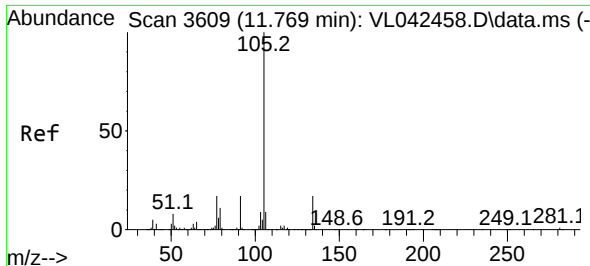
Ion Ratio Lower Upper

91 100

126 14.3 13.3 19.9

128 4.8 4.2 6.4

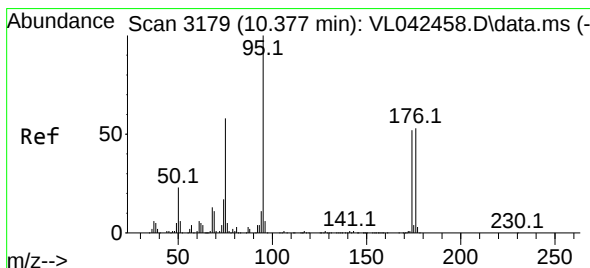
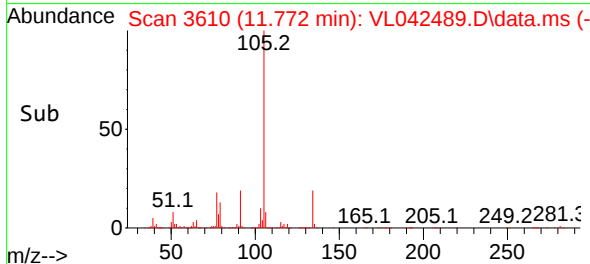
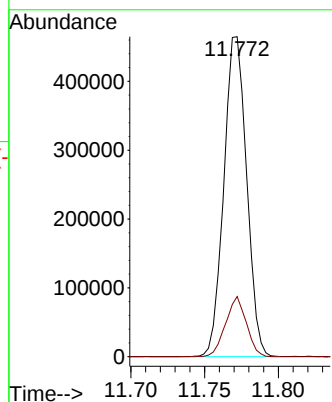
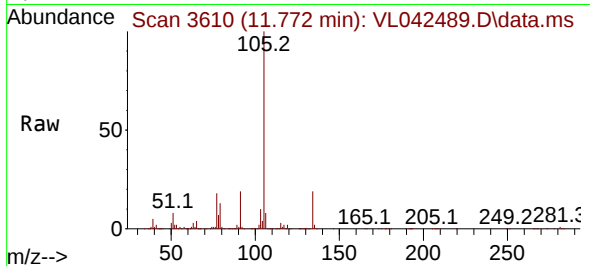




#67
sec-Butylbenzene
Concen: 12.031 ppbv
RT: 11.772 min Scan# 310
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

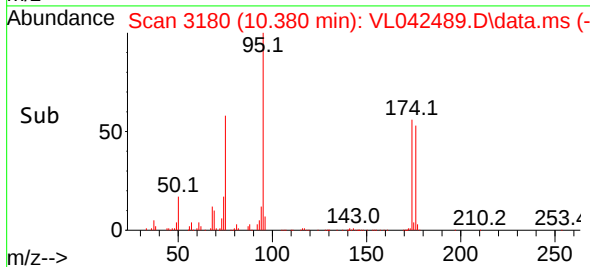
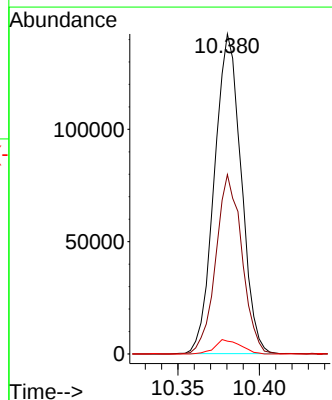
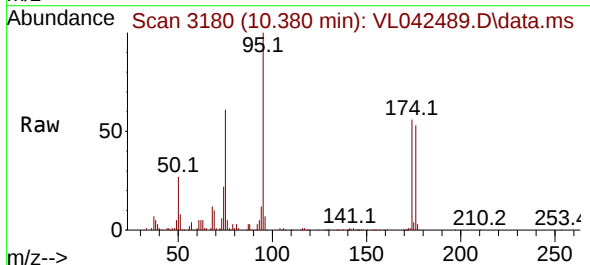
Instrument :
MSVOA_1
ClientSampleId :
VL0506ABS01

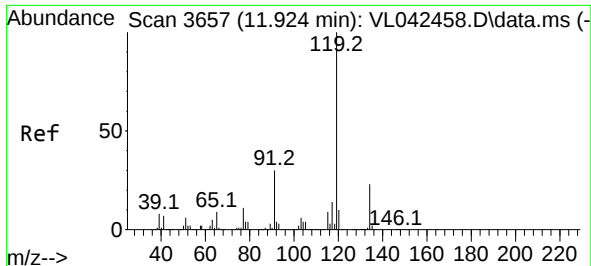
Tgt Ion:105 Resp: 500648
Ion Ratio Lower Upper
105 100
134 17.2 14.1 21.1



#68
1-Bromo-4-Fluorobenzene
Concen: 10.797 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Tgt Ion: 95 Resp: 162347
Ion Ratio Lower Upper
95 100
174 54.9 42.7 64.1
175 4.3 3.6 5.4

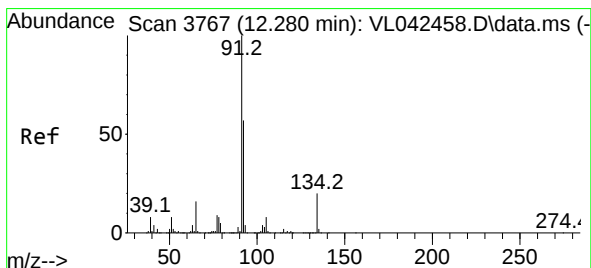
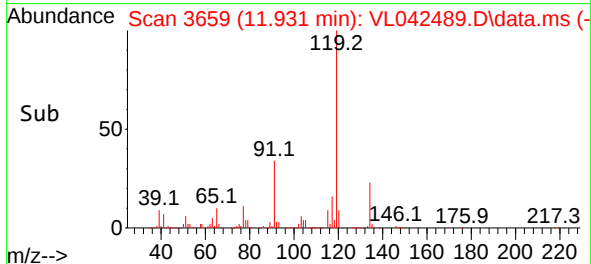
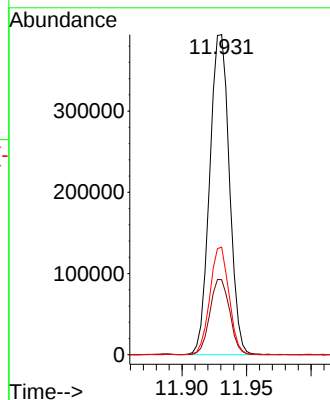
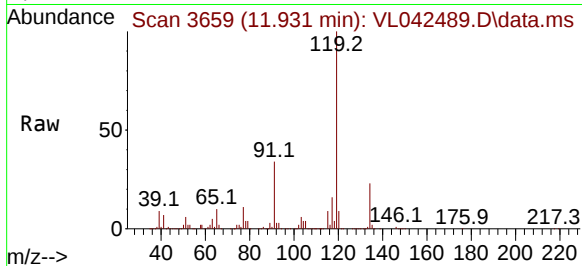




#69
 p-Isopropyltoluene
 Concen: 11.927 ppbv
 RT: 11.931 min Scan# 3659
 Delta R.T. 0.007 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44

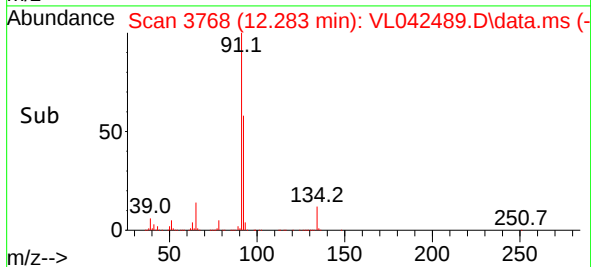
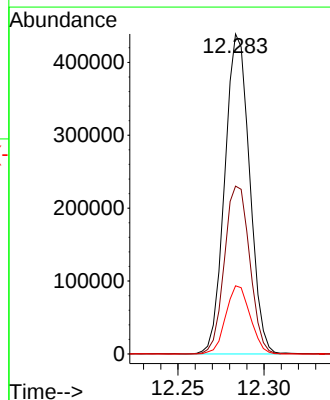
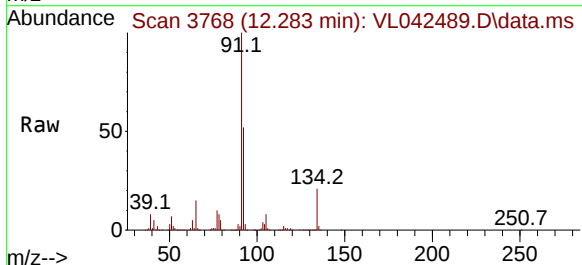
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0506ABS01

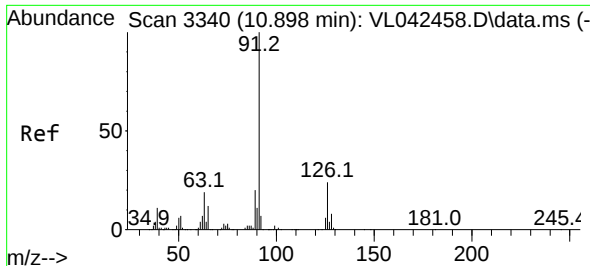
Tgt Ion:119 Resp: 418184
 Ion Ratio Lower Upper
 119 100
 134 23.7 19.0 28.4
 91 32.9 25.5 38.3



#70
 n-Butylbenzene
 Concen: 12.133 ppbv
 RT: 12.283 min Scan# 3768
 Delta R.T. 0.004 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44

Tgt Ion: 91 Resp: 439757
 Ion Ratio Lower Upper
 91 100
 92 53.7 44.0 66.0
 134 21.0 16.8 25.2

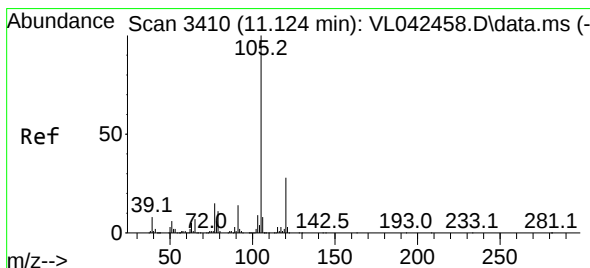
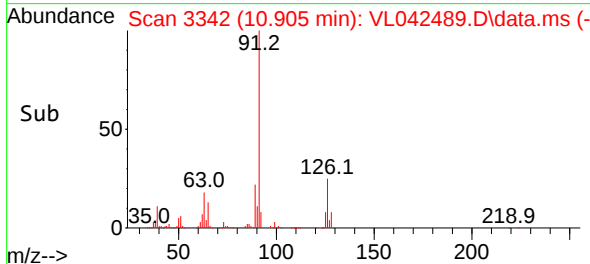
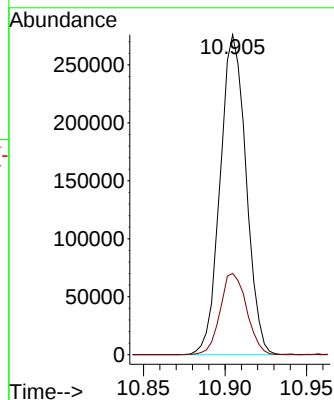
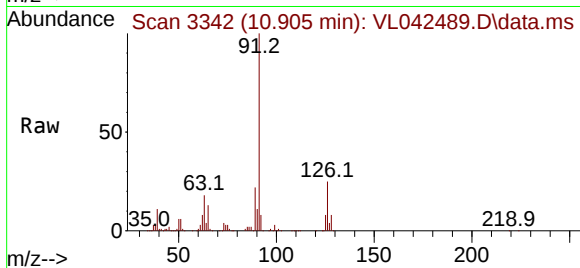




#71
2-Chlorotoluene
Concen: 11.836 ppbv
RT: 10.905 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

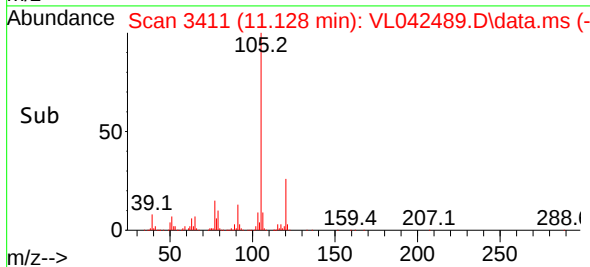
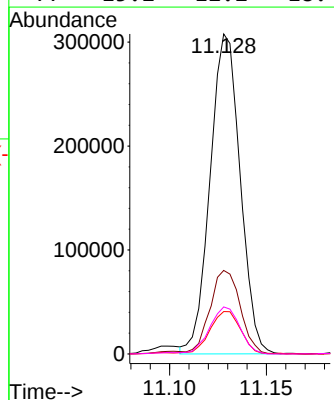
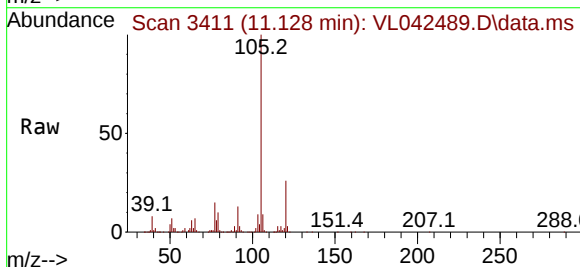
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

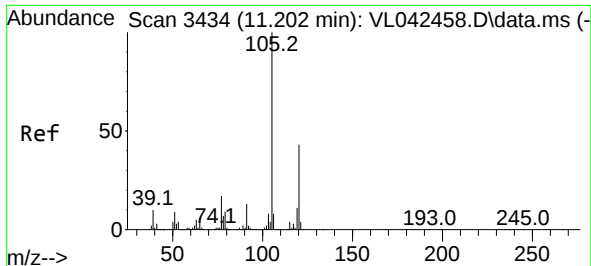
Tgt Ion: 91 Resp: 304635
Ion Ratio Lower Upper
91 100
126 26.0 10.6 42.2



#72
4-Ethyltoluene
Concen: 12.388 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Tgt Ion: 105 Resp: 332254
Ion Ratio Lower Upper
105 100
120 27.1 22.0 33.0
91 13.9 11.2 16.8
77 15.2 12.2 18.4

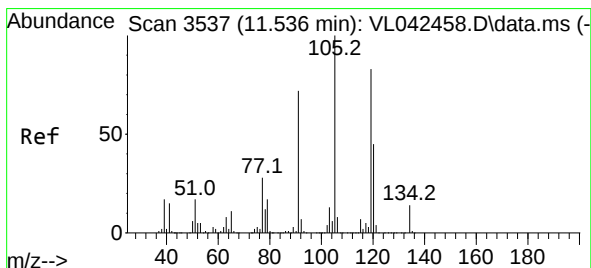
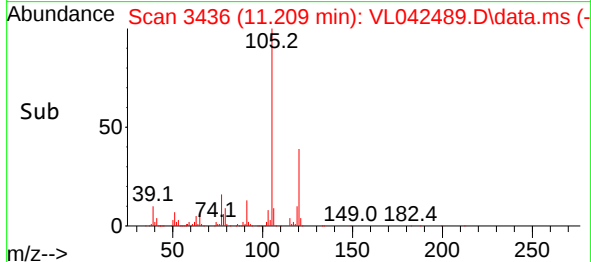
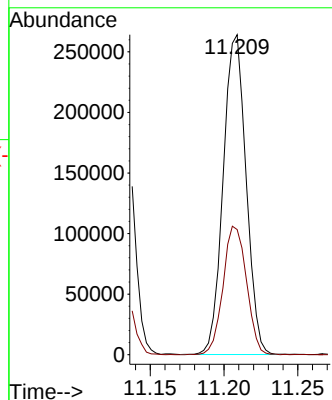
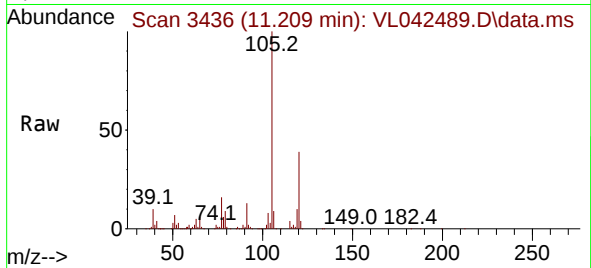




#73
 1,3,5-Trimethylbenzene
 Concen: 12.082 ppbv
 RT: 11.209 min Scan# 3436
 Delta R.T. 0.007 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44

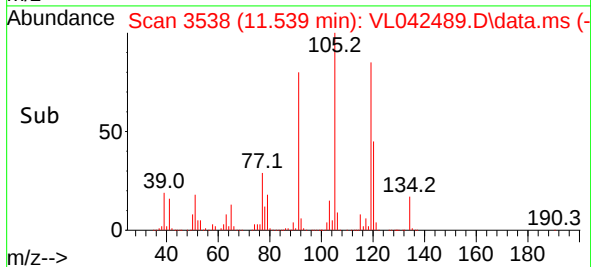
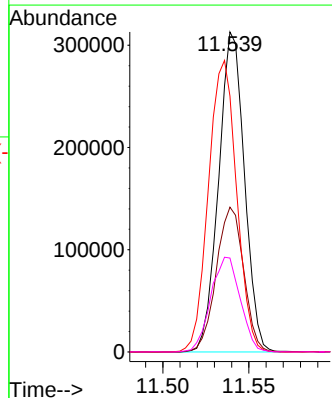
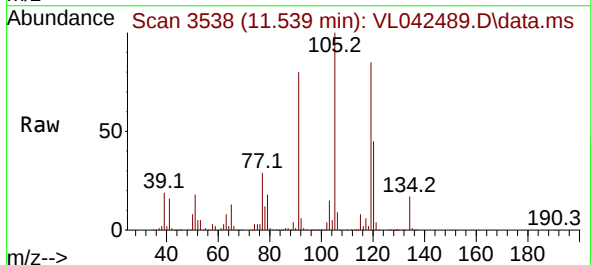
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0506ABS01

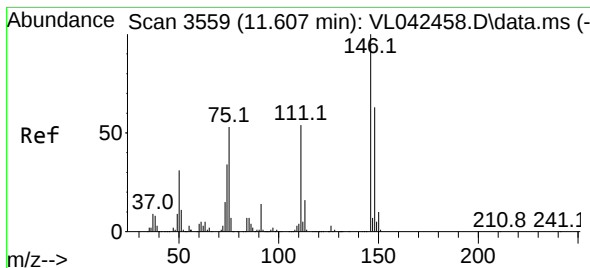
Tgt Ion:105 Resp: 285001
 Ion Ratio Lower Upper
 105 100
 120 39.1 34.4 51.6



#74
 1,2,4-Trimethylbenzene
 Concen: 11.457 ppbv
 RT: 11.539 min Scan# 3538
 Delta R.T. 0.004 min
 Lab File: VL042489.D
 Acq: 06 May 2025 10:44

Tgt Ion:105 Resp: 326996
 Ion Ratio Lower Upper
 105 100
 120 45.3 36.1 54.1
 91 79.9 57.6 86.4
 77 29.3 22.1 33.1





#75

1,3-Dichlorobenzene

Concen: 11.089 ppbv

RT: 11.610 min Scan# 3559

Delta R.T. 0.004 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

Instrument :

MSVOA_1

ClientSampleId :

VL0506ABS01

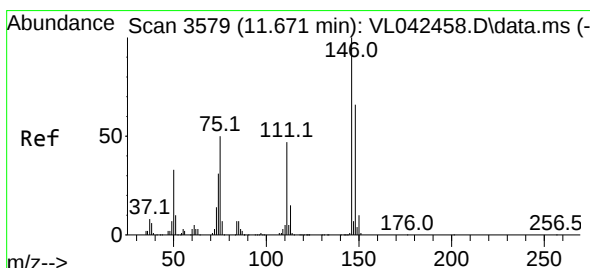
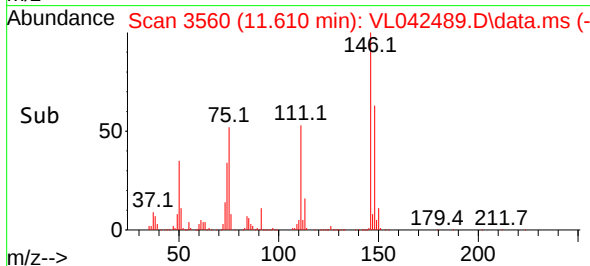
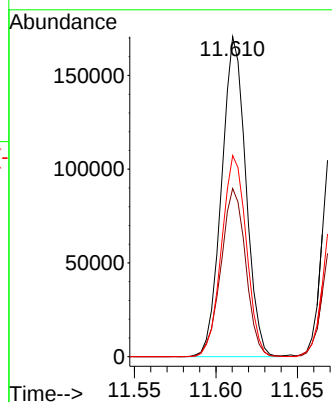
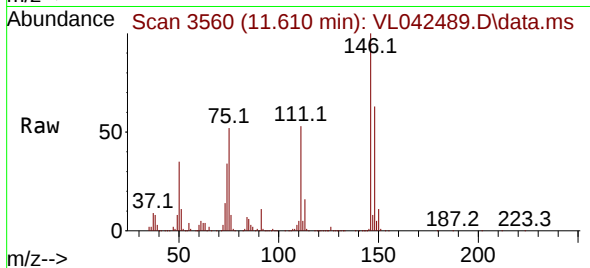
Tgt Ion:146 Resp: 176191

Ion Ratio Lower Upper

146 100

111 53.6 26.1 78.3

148 64.1 32.0 96.0



#76

1,4-Dichlorobenzene

Concen: 11.543 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.004 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

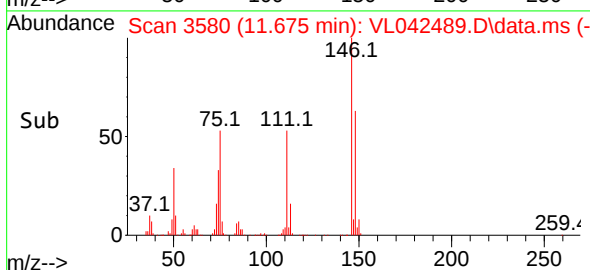
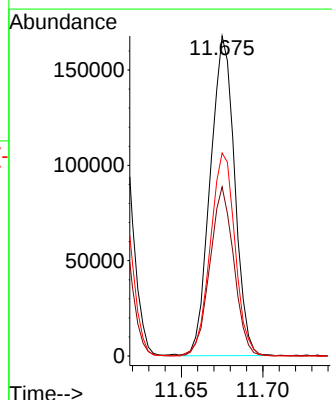
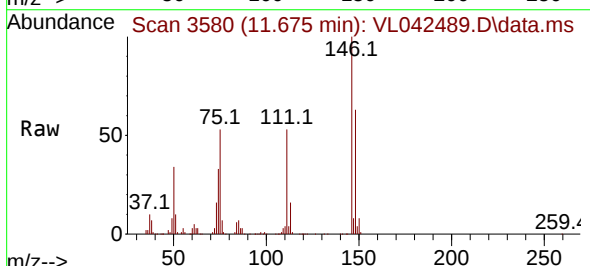
Tgt Ion:146 Resp: 173576

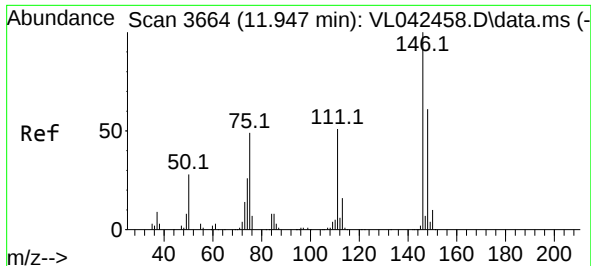
Ion Ratio Lower Upper

146 100

111 52.1 24.4 73.2

148 64.6 32.0 96.2

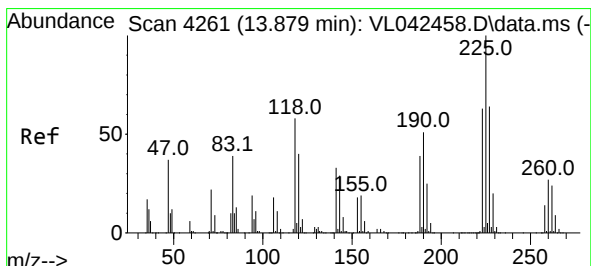
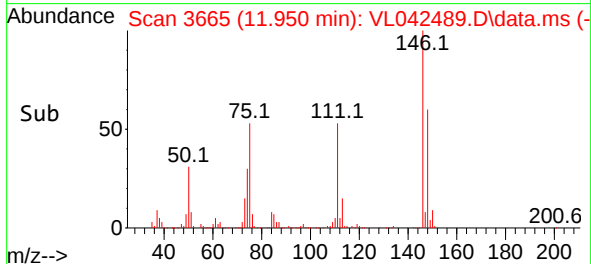
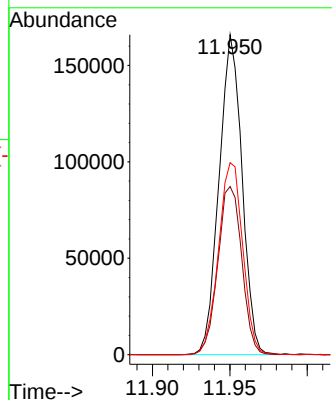
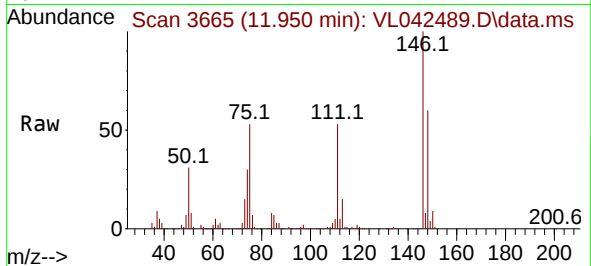




#77
1,2-Dichlorobenzene
Concen: 11.003 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

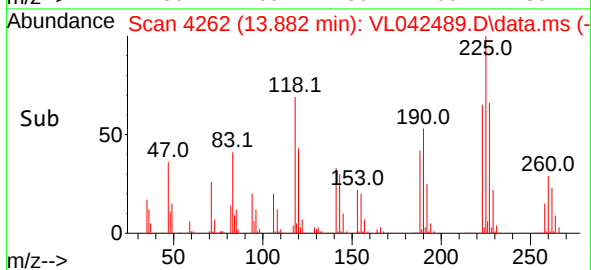
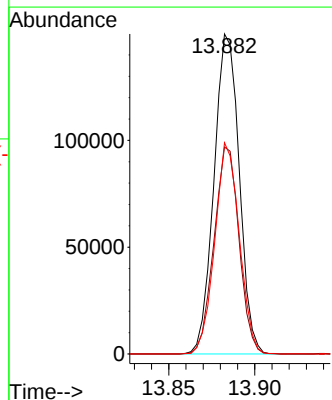
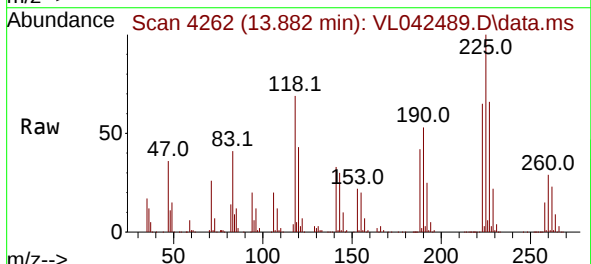
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

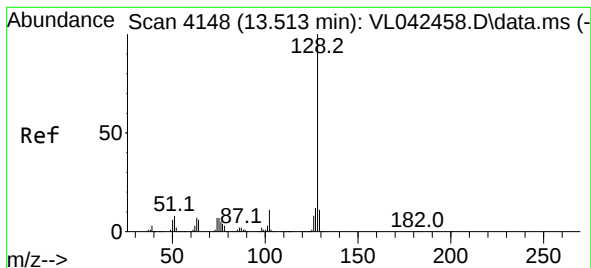
Tgt Ion:146 Resp: 171125
Ion Ratio Lower Upper
146 100
111 54.9 26.5 79.5
148 63.3 31.5 94.5



#78
Hexachloro-1,3-Butadiene
Concen: 9.854 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. 0.004 min
Lab File: VL042489.D
Acq: 06 May 2025 10:44

Tgt Ion:225 Resp: 153031
Ion Ratio Lower Upper
225 100
223 64.0 50.2 75.4
227 63.9 51.2 76.8





#79

Naphthalene

Concen: 12.036 ppbv

RT: 13.517 min Scan# 4148

Delta R.T. 0.004 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

Instrument :

MSVOA_L

ClientSampleId :

VL0506ABS01

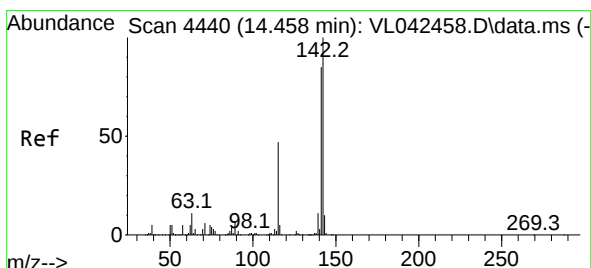
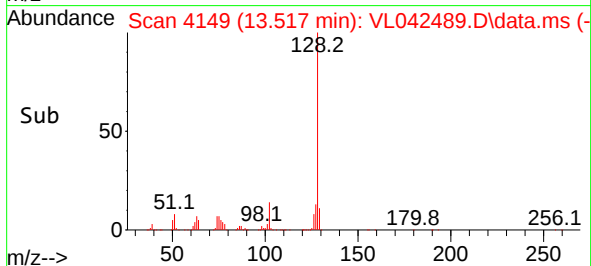
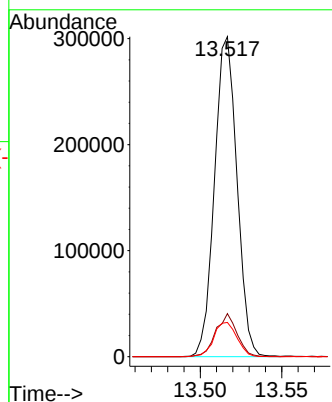
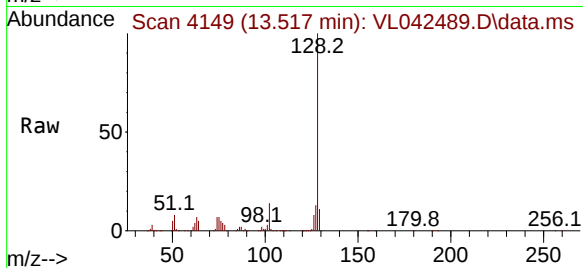
Tgt Ion:128 Resp: 289175

Ion Ratio Lower Upper

128 100

127 13.4 9.7 14.5

129 10.7 8.6 13.0



#80

Naphthalene,2-methyl-

Concen: 13.257 ppbv

RT: 14.458 min Scan# 4440

Delta R.T. 0.000 min

Lab File: VL042489.D

Acq: 06 May 2025 10:44

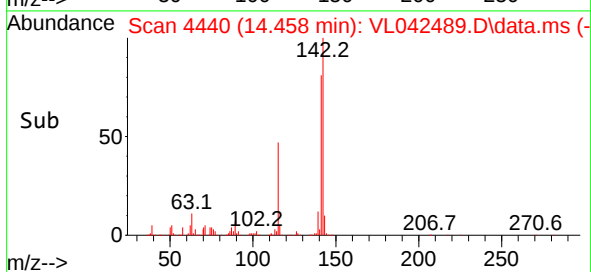
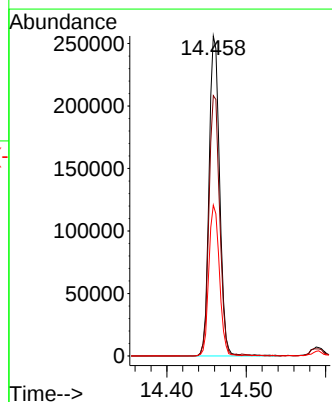
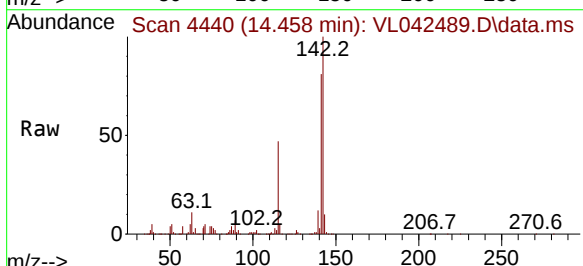
Tgt Ion:142 Resp: 236741

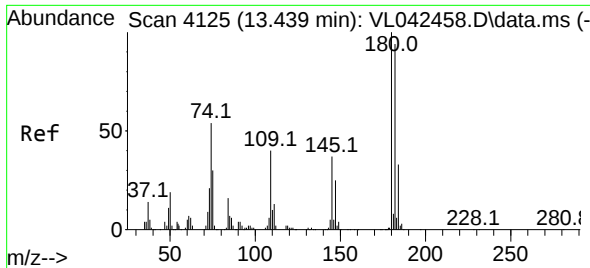
Ion Ratio Lower Upper

142 100

141 83.4 67.4 101.0

115 47.8 36.9 55.3





#81

1,2,4-Trichlorobenzene

Concen: 11.096 ppbv

RT: 13.442 min Scan# 41

Delta R.T. 0.004 min

Lab File: VL042489.D

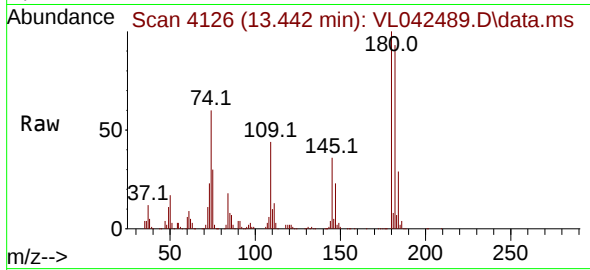
Acq: 06 May 2025 10:44

Instrument :

MSVOA_L

ClientSampleId :

VL0506ABS01



Tgt Ion:180 Resp: 142190

Ion Ratio Lower Upper

180 100

182 95.8 74.6 111.8

184 31.5 24.9 37.3

