

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
 Data File : VV039146.D
 Acq On : 24 Sep 2025 10:49
 Operator : SY/MD
 Sample : VSTDC0050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDC0050

Quant Time: Sep 25 04:42:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	558154	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	907128	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.777	117	923608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	551620	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	369186	45.702	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery =	91.400%		
35) Dibromofluoromethane	4.500	113	332304	45.567	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery =	91.140%		
50) Toluene-d8	7.236	98	954978	44.587	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery =	89.180%		
62) 4-Bromofluorobenzene	10.002	95	443437	50.291	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery =	100.580%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.121	85	349754	39.585	ug/l	96
3) Chloromethane	1.227	50	407305	42.941	ug/l	100
4) Vinyl Chloride	1.295	62	414391	40.808	ug/l	100
5) Bromomethane	1.494	94	281451	43.967	ug/l	100
6) Chloroethane	1.558	64	272410	45.230	ug/l	97
7) Trichlorofluoromethane	1.722	101	592362	40.292	ug/l	99
8) Diethyl Ether	1.918	74	252704	46.301	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.079	101	350274	40.042	ug/l	98
10) Methyl Iodide	2.195	142	408452	49.032	ug/l	100
11) Tert butyl alcohol	2.571	59	439522	257.431	ug/l	98
12) 1,1-Dichloroethene	2.079	96	343170	40.778	ug/l	97
13) Acrolein	2.008	56	82132	277.230	ug/l	99
14) Allyl chloride	2.356	41	678394	45.129	ug/l	97
15) Acrylonitrile	2.674	53	1317414	240.705	ug/l	100
16) Acetone	2.118	43	1249190	250.295	ug/l	99
17) Carbon Disulfide	2.249	76	1032299	40.110	ug/l	99
18) Methyl Acetate	2.378	43	608422	50.833	ug/l	100
19) Methyl tert-butyl Ether	2.712	73	1280541	47.752	ug/l	100
20) Methylene Chloride	2.455	84	433679	49.660	ug/l	100
21) trans-1,2-Dichloroethene	2.700	96	381303	42.561	ug/l	100
22) Diisopropyl ether	3.214	45	1373474	47.754	ug/l	92
23) Vinyl Acetate	3.188	43	6174734	245.419	ug/l	99
24) 1,1-Dichloroethane	3.114	63	738164	41.969	ug/l	100
25) 2-Butanone	3.864	43	1696999	262.339	ug/l	98
26) 2,2-Dichloropropane	3.809	77	608343	39.009	ug/l	100
27) cis-1,2-Dichloroethene	3.815	96	451121	45.657	ug/l	99
28) Bromochloromethane	4.143	49	381004	49.069	ug/l	97
29) Tetrahydrofuran	4.233	42	1116689	275.798	ug/l	100
30) Chloroform	4.275	83	808825	44.039	ug/l	100
31) Cyclohexane	4.581	56	584423	40.562	ug/l	99
32) 1,1,1-Trichloroethane	4.513	97	652596	41.043	ug/l	99
36) 1,1-Dichloropropene	4.741	75	487252	44.192	ug/l	98
37) Ethyl Acetate	3.973	43	663808	49.616	ug/l	100
38) Carbon Tetrachloride	4.732	117	552633	41.012	ug/l	99
39) Methylcyclohexane	6.047	83	605143	45.449	ug/l	99
40) Benzene	5.005	78	1647897	45.898	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.156	41	299616	49.549	ug/l	99
42) 1,2-Dichloroethane	5.037	62	594558	47.262	ug/l	100
43) Isopropyl Acetate	5.191	43	967617	53.044	ug/l	100
44) Trichloroethene	5.828	130	367209	44.323	ug/l	96
45) 1,2-Dichloropropane	6.085	63	431931	48.401	ug/l	98
46) Dibromomethane	6.224	93	328651	48.117	ug/l	99
47) Bromodichloromethane	6.426	83	659260	46.688	ug/l	99
48) Methyl methacrylate	6.294	41	457609	55.340	ug/l	99
49) 1,4-Dioxane	6.291	88	155709	1166.851	ug/l	97
51) 4-Methyl-2-Pentanone	7.146	43	3404796	283.713	ug/l	100
52) Toluene	7.307	92	1016283	48.820	ug/l	99
53) t-1,3-Dichloropropene	7.571	75	638267	51.867	ug/l	98
54) cis-1,3-Dichloropropene	6.947	75	697782	51.364	ug/l	100
55) 1,1,2-Trichloroethane	7.760	97	453142	48.547	ug/l	98
56) Ethyl methacrylate	7.715	69	630396	56.871	ug/l	100
57) 1,3-Dichloropropane	7.931	76	727051	49.356	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.809	63	1515308	242.405	ug/l	100
59) 2-Hexanone	8.063	43	2528312	260.898	ug/l	99
60) Dibromochloromethane	8.166	129	506709	47.642	ug/l	99
61) 1,2-Dibromoethane	8.272	107	480605	50.348	ug/l	100
64) Tetrachloroethene	7.896	164	320555	41.437	ug/l	99
65) Chlorobenzene	8.802	112	1127747	43.836	ug/l	98
66) 1,1,1,2-Tetrachloroethane	8.895	131	407431	43.830	ug/l	100
67) Ethyl Benzene	8.934	91	1844871	47.374	ug/l	100
68) m/p-Xylenes	9.063	106	1502908	99.991	ug/l	100
69) o-Xylene	9.468	106	676401	50.825	ug/l	99
70) Styrene	9.484	104	1276348	45.393	ug/l	99
71) Bromoform	9.651	173	348806	48.038	ug/l #	100
73) Isopropylbenzene	9.857	105	1824633	45.605	ug/l	100
74) N-amyl acetate	9.725	43	854806	53.563	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.166	83	747109	42.619	ug/l	99
76) 1,2,3-Trichloropropane	10.198	75	575337	45.809	ug/l	98
77) Bromobenzene	10.140	156	460599	44.372	ug/l	99
78) n-propylbenzene	10.278	91	2250074	46.182	ug/l	99
79) 2-Chlorotoluene	10.349	91	1358304	46.591	ug/l	99
80) 1,3,5-Trimethylbenzene	10.465	105	1607013	48.324	ug/l	99
81) trans-1,4-Dichloro-2-b...	9.928	75	256388	49.007	ug/l	99
82) 4-Chlorotoluene	10.461	91	1605527	47.493	ug/l	99
83) tert-Butylbenzene	10.789	119	1497786	45.168	ug/l	99
84) 1,2,4-Trimethylbenzene	10.838	105	1608644	49.826	ug/l	100
85) sec-Butylbenzene	11.011	105	1967674	44.737	ug/l	99
86) p-Isopropyltoluene	11.165	119	1677532	45.825	ug/l	100
87) 1,3-Dichlorobenzene	11.104	146	909637	43.299	ug/l	99
88) 1,4-Dichlorobenzene	11.194	146	954565	41.416	ug/l	100
89) n-Butylbenzene	11.580	91	1645246	47.058	ug/l	100
90) Hexachloroethane	11.821	117	343097	38.060	ug/l	99
91) 1,2-Dichlorobenzene	11.567	146	862856	43.962	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.349	75	158828	50.345	ug/l	97
93) 1,2,4-Trichlorobenzene	13.185	180	522821	46.468	ug/l	100
94) Hexachlorobutadiene	13.368	225	224298	38.367	ug/l	100
95) Naphthalene	13.426	128	1960806	53.919	ug/l	99
96) 1,2,3-Trichlorobenzene	13.667	180	551841	47.956	ug/l	99

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VSTDCCC050

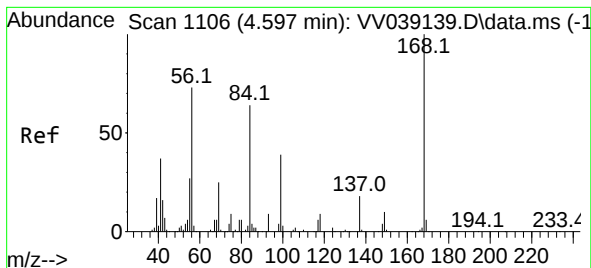
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.600 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV039146.D

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Instrument :

MSVOA_V

ClientSampleId :

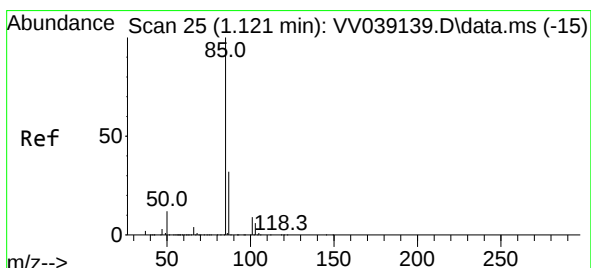
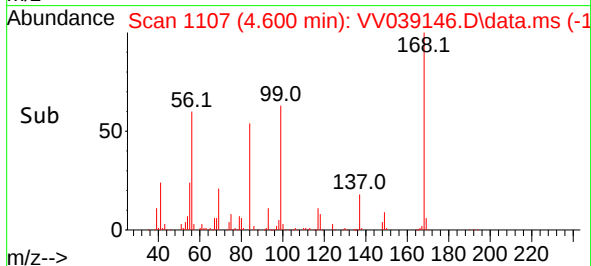
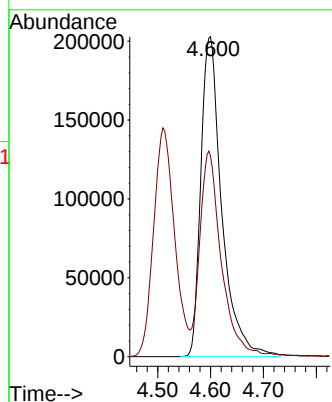
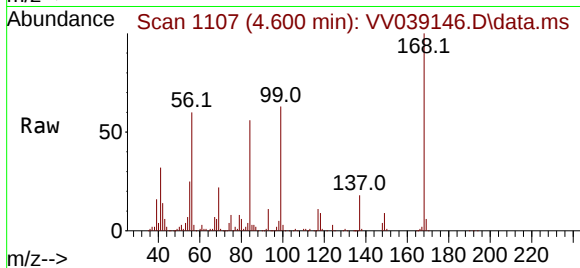
VSTDCCC050

Tgt Ion:168 Resp: 558154

Ion Ratio Lower Upper

168 100

99 62.3 49.6 74.4



#2

Dichlorodifluoromethane

Concen: 39.585 ug/l

RT: 1.121 min Scan# 25

Delta R.T. 0.000 min

Lab File: VV039146.D

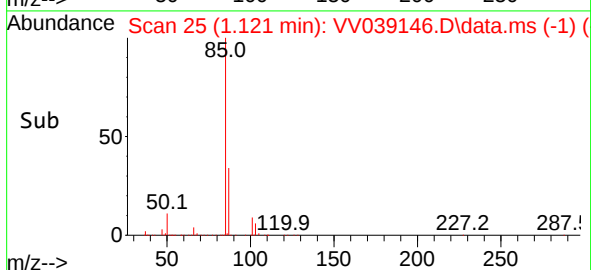
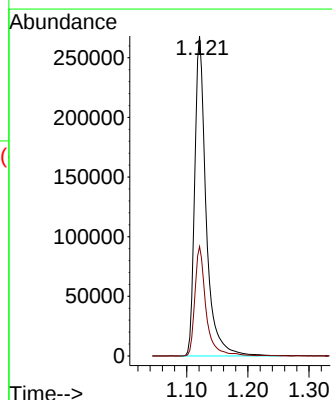
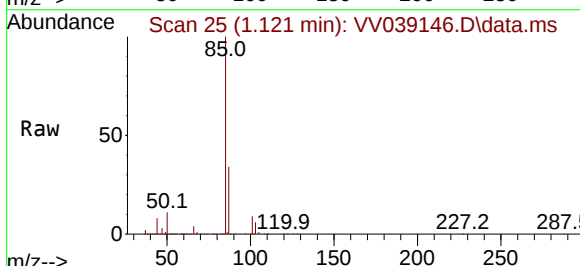
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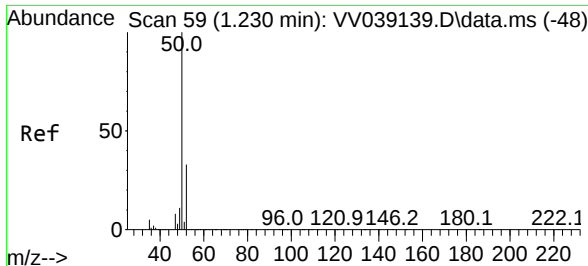
Tgt Ion: 85 Resp: 349754

Ion Ratio Lower Upper

85 100

87 34.2 16.0 47.9

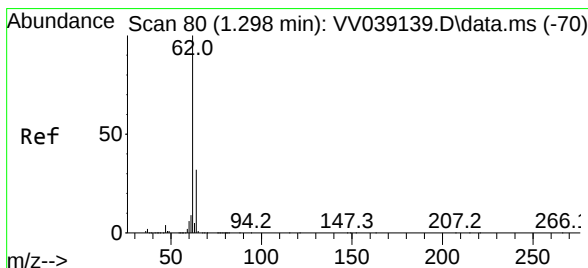
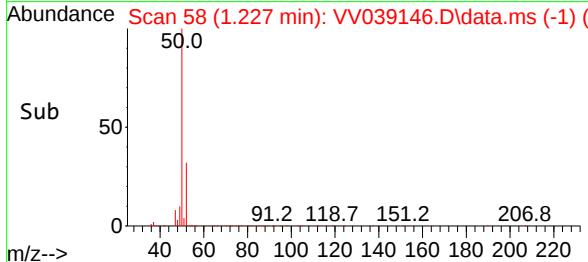
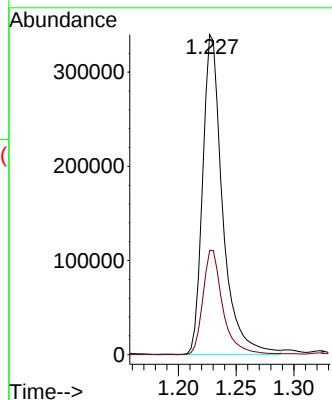
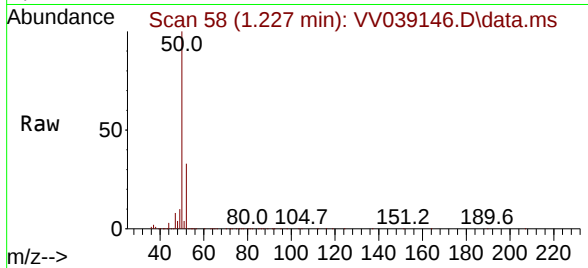




#3
Chloromethane
Concen: 42.941 ug/l
RT: 1.227 min Scan# 58
Delta R.T. -0.003 min
Lab File: VV039146.D
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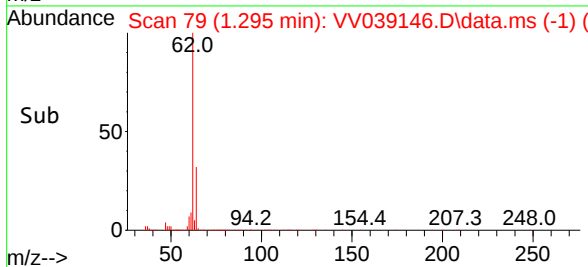
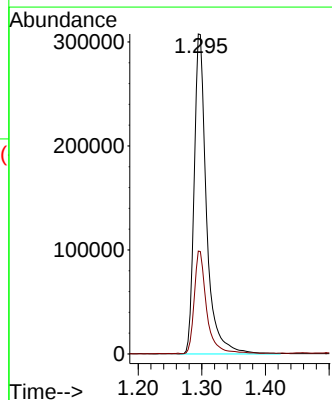
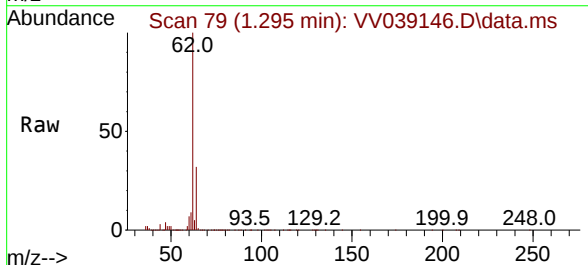
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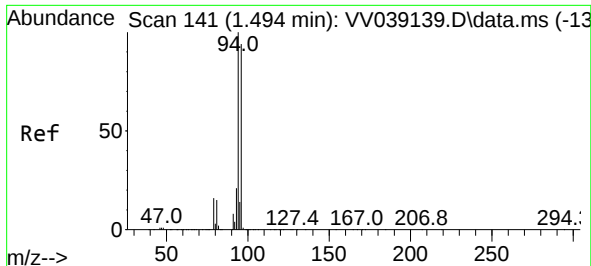
Tgt Ion: 50 Resp: 407305
Ion Ratio Lower Upper
50 100
52 32.6 26.0 39.0



#4
Vinyl Chloride
Concen: 40.808 ug/l
RT: 1.295 min Scan# 79
Delta R.T. -0.003 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

Tgt Ion: 62 Resp: 414391
Ion Ratio Lower Upper
62 100
64 32.0 25.6 38.4

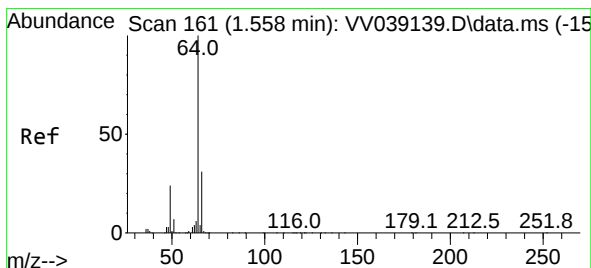
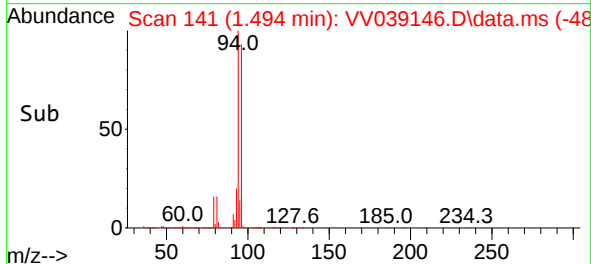
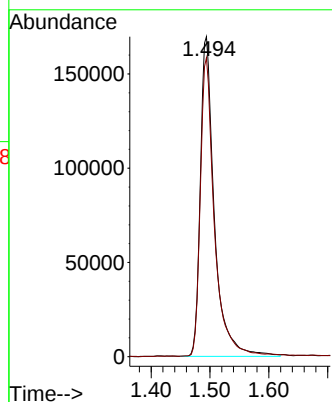
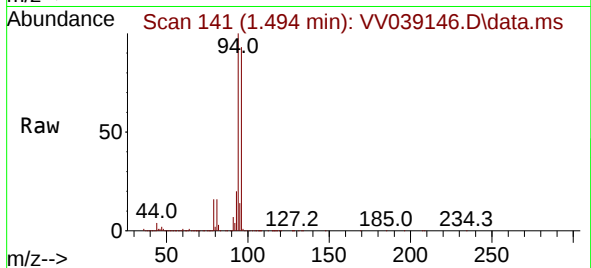




#5
Bromomethane
Concen: 43.967 ug/l
RT: 1.494 min Scan# 141
Delta R.T. -0.000 min
Lab File: VV039146.D
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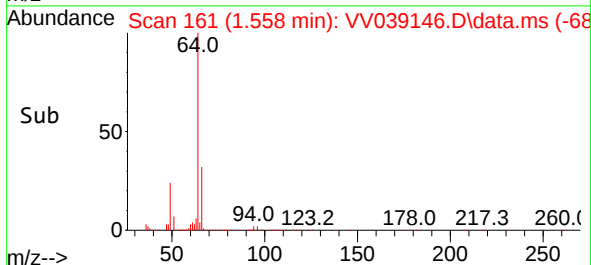
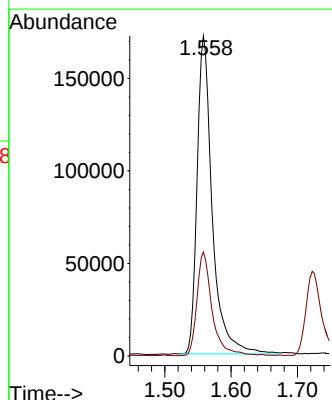
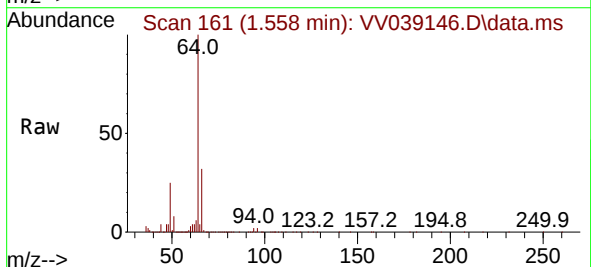
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Tgt Ion: 94 Resp: 281451
Ion Ratio Lower Upper
94 100
96 93.2 74.9 112.3



#6
Chloroethane
Concen: 45.230 ug/l
RT: 1.558 min Scan# 161
Delta R.T. 0.000 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

Tgt Ion: 64 Resp: 272410
Ion Ratio Lower Upper
64 100
66 32.6 24.6 36.8

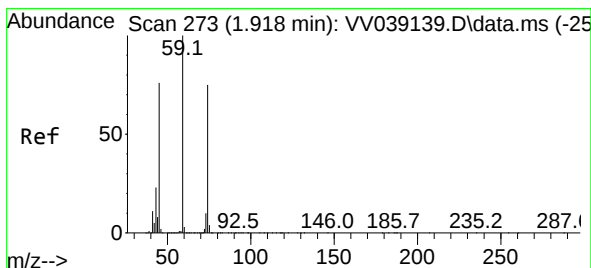
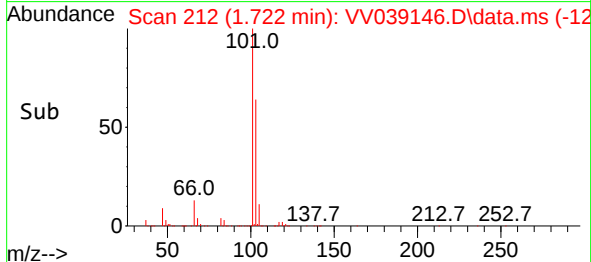
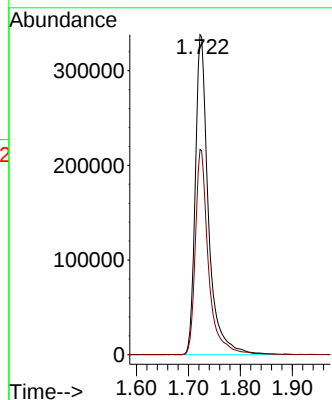
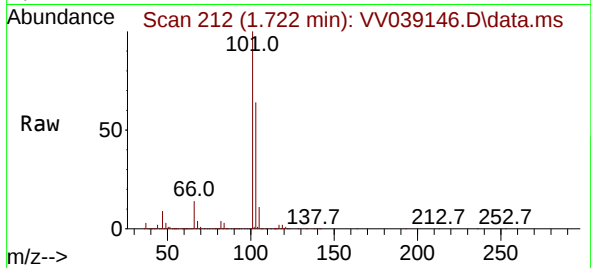




#7
 Trichlorofluoromethane
 Concen: 40.292 ug/l
 RT: 1.722 min Scan# 213
 Delta R.T. -0.003 min
 Lab File: VV039146.D
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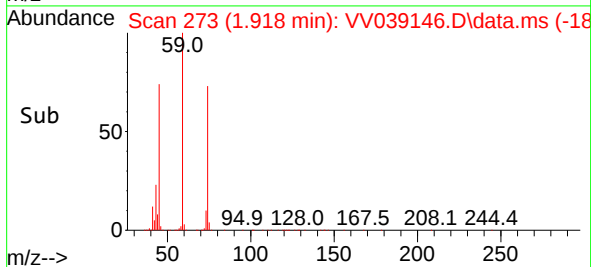
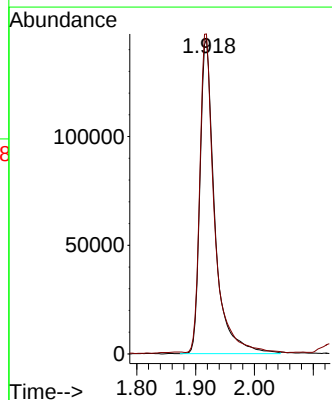
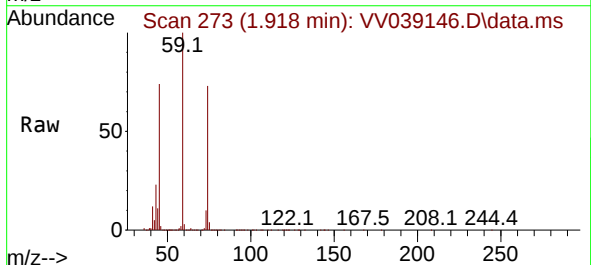
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050

Tgt Ion:101 Resp: 592362
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.0 78.0



#8
 Diethyl Ether
 Concen: 46.301 ug/l
 RT: 1.918 min Scan# 273
 Delta R.T. 0.000 min
 Lab File: VV039146.D
 Acq: 24 Sep 2025 10:49

Tgt Ion: 74 Resp: 252704
 Ion Ratio Lower Upper
 74 100
 45 100.0 49.6 148.8

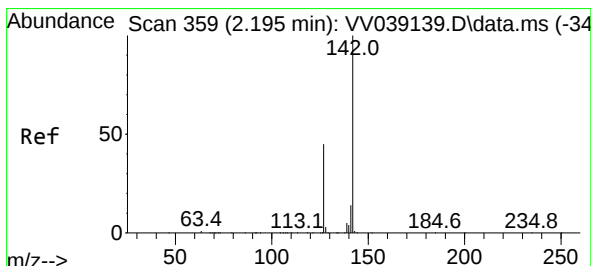
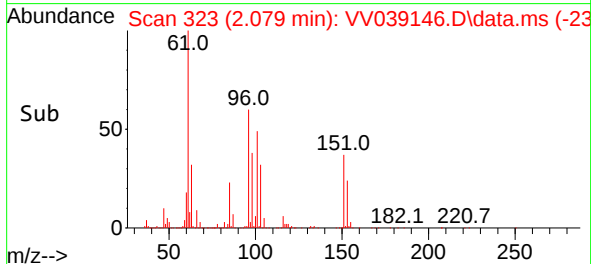
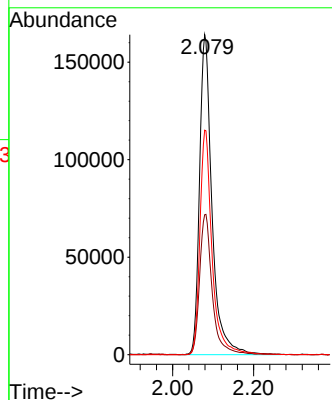
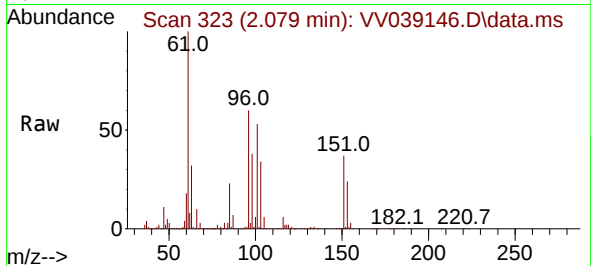




#9
1,1,2-Trichlorotrifluoroethane
Concen: 40.042 ug/l
RT: 2.079 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV039146.D
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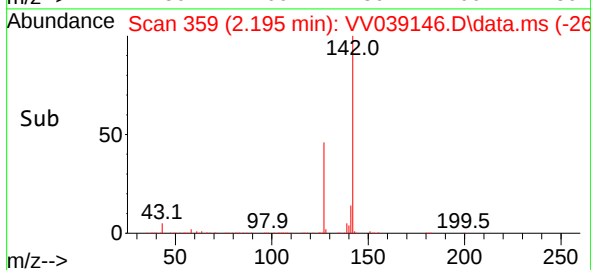
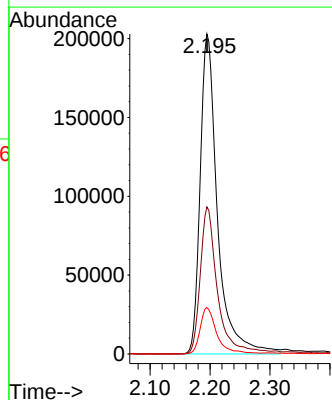
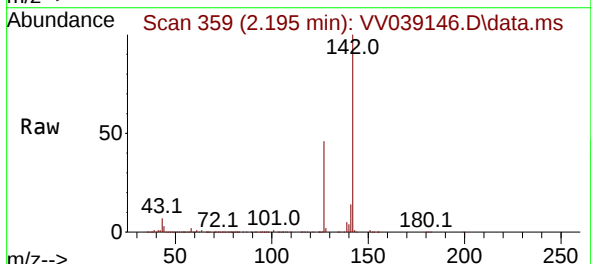
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ClientSampleId :
VSTDCCC050

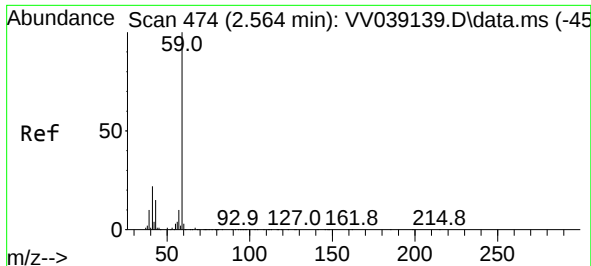
Tgt Ion:101 Resp: 350274
Ion Ratio Lower Upper
101 100
85 44.3 36.2 54.2
151 68.9 56.3 84.5



#10
Methyl Iodide
Concen: 49.032 ug/l
RT: 2.195 min Scan# 359
Delta R.T. 0.000 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

Tgt Ion:142 Resp: 408452
Ion Ratio Lower Upper
142 100
127 45.3 36.3 54.5
141 14.0 11.2 16.8

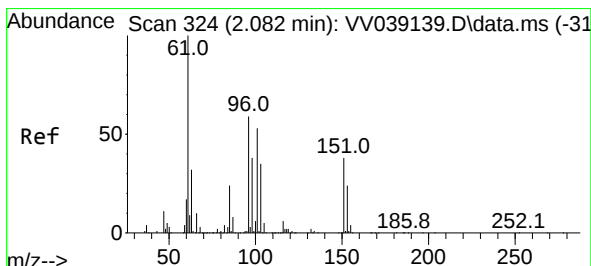
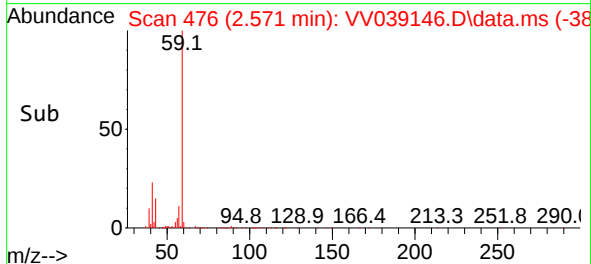
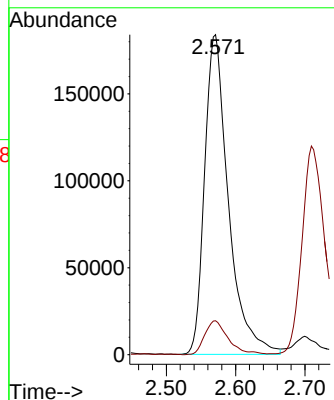
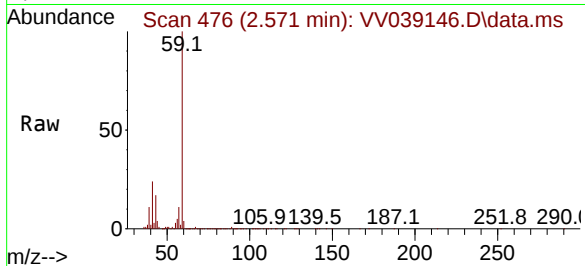




#11
Tert butyl alcohol
Concen: 257.431 ug/l
RT: 2.571 min Scan# 41
Delta R.T. 0.007 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

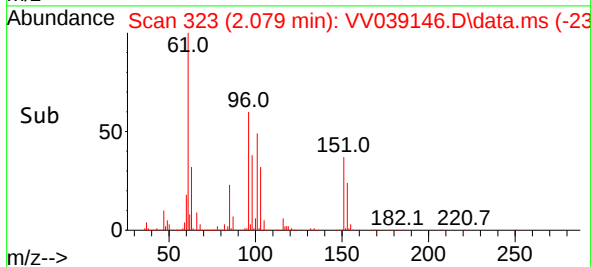
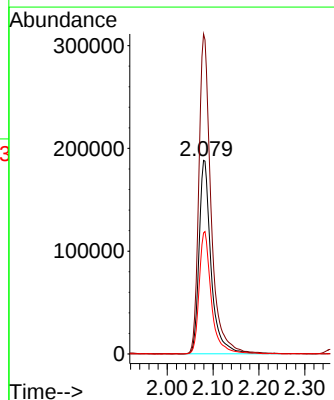
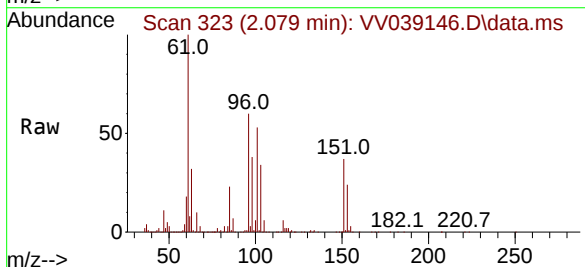
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 439522
Ion Ratio Lower Upper
59 100
57 10.5 7.8 11.8



#12
1,1-Dichloroethene
Concen: 40.778 ug/l
RT: 2.079 min Scan# 323
Delta R.T. -0.003 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

Tgt Ion: 96 Resp: 343170
Ion Ratio Lower Upper
96 100
61 165.5 136.0 204.0
98 62.6 51.0 76.6

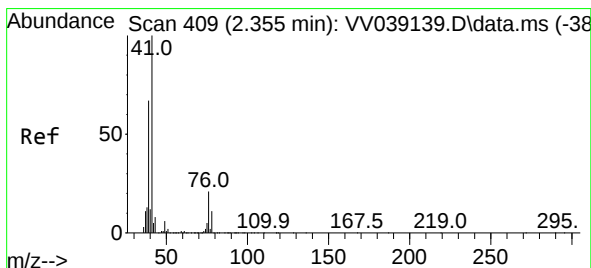
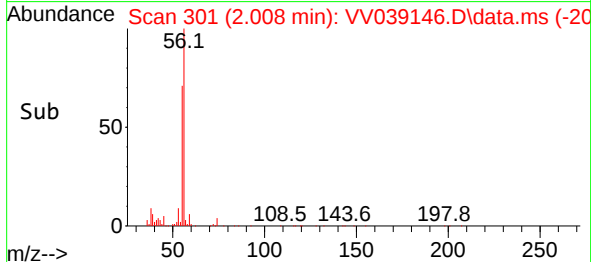
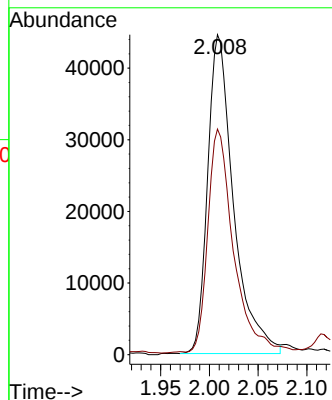
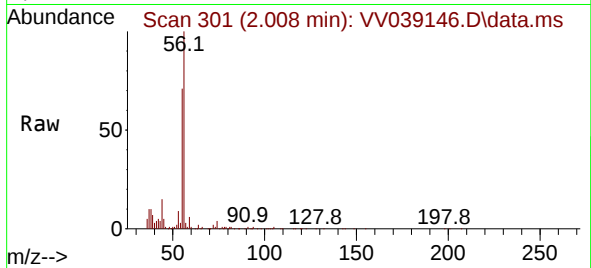




#13
Acrolein
Concen: 277.230 ug/l
RT: 2.008 min Scan# 301
Delta R.T. 0.000 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

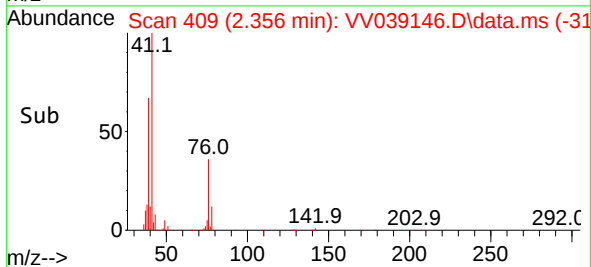
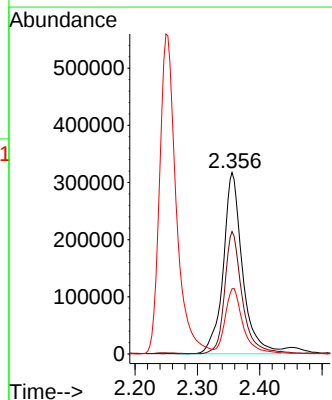
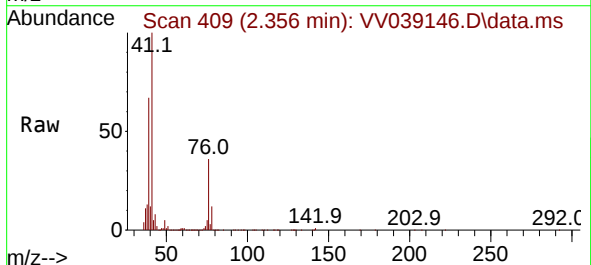
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

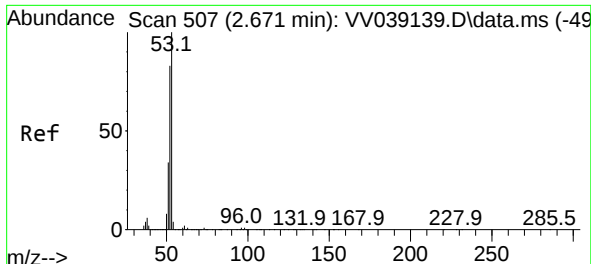
Tgt Ion: 56 Resp: 82132
Ion Ratio Lower Upper
56 100
55 69.4 56.2 84.4



#14
Allyl chloride
Concen: 45.129 ug/l
RT: 2.356 min Scan# 409
Delta R.T. 0.000 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

Tgt Ion: 41 Resp: 678394
Ion Ratio Lower Upper
41 100
39 62.0 51.0 76.6
76 32.9 28.2 42.4

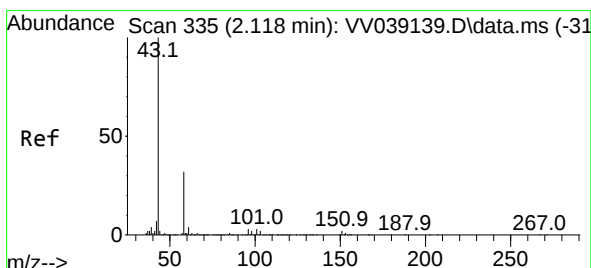
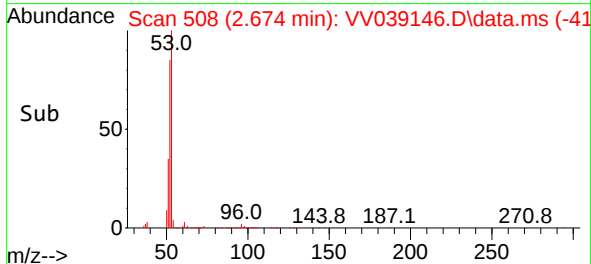
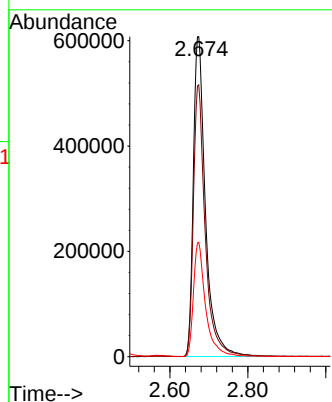
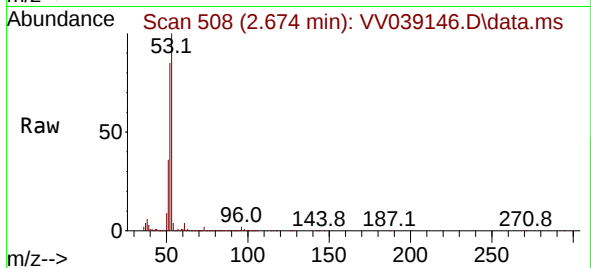




#15
Acrylonitrile
Concen: 240.705 ug/l
RT: 2.674 min Scan# 507
Delta R.T. 0.003 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

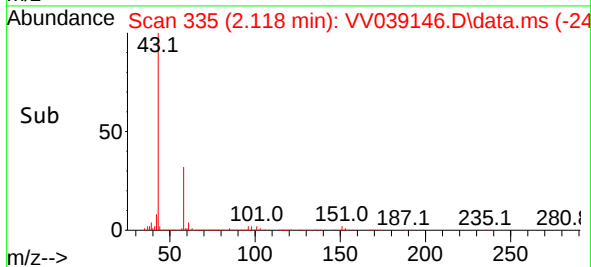
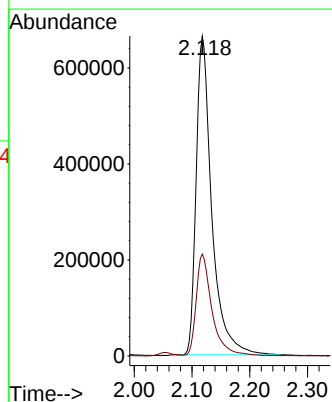
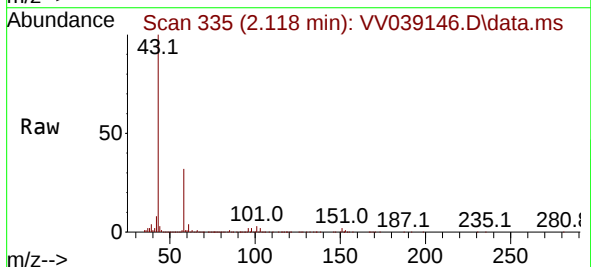
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 1317414
Ion Ratio Lower Upper
53 100
52 82.6 66.1 99.1
51 35.4 28.5 42.7



#16
Acetone
Concen: 250.295 ug/l
RT: 2.118 min Scan# 335
Delta R.T. -0.000 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

Tgt Ion: 43 Resp: 1249190
Ion Ratio Lower Upper
43 100
58 31.9 25.8 38.6

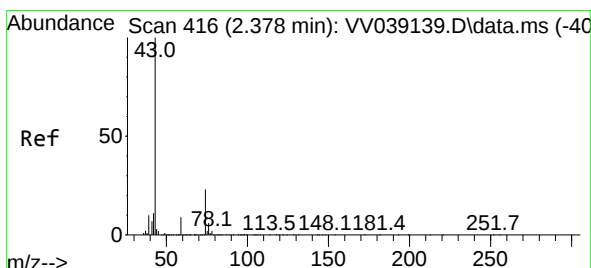
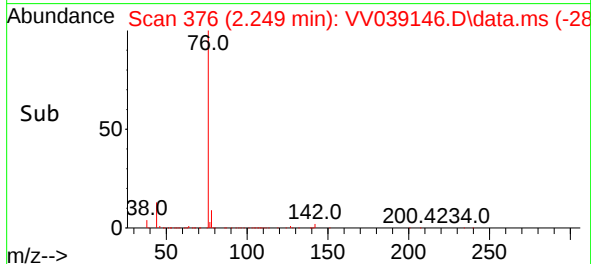
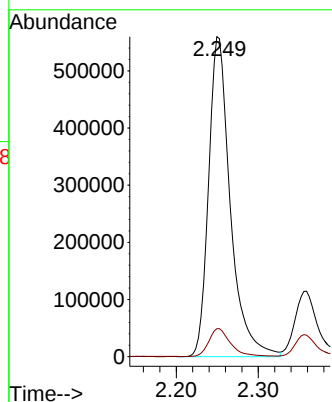
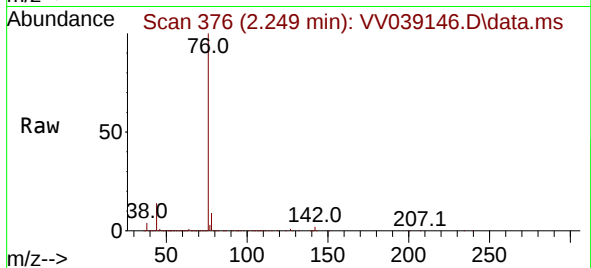




#17
Carbon Disulfide
Concen: 40.110 ug/l
RT: 2.249 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

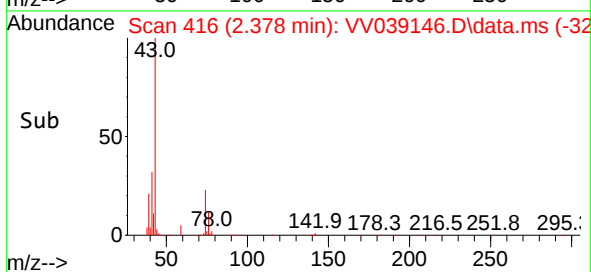
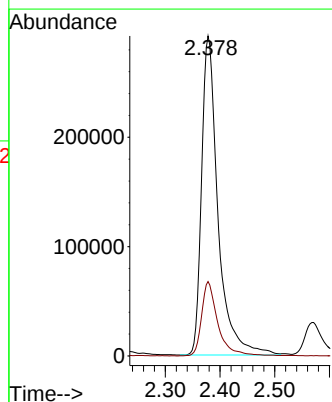
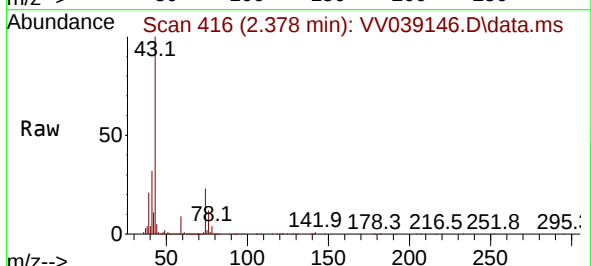
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

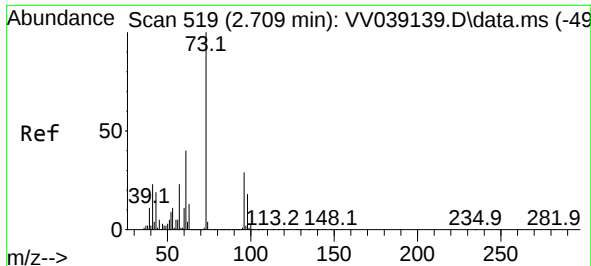
Tgt Ion: 76 Resp: 1032299
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0



#18
Methyl Acetate
Concen: 50.833 ug/l
RT: 2.378 min Scan# 416
Delta R.T. 0.000 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

Tgt Ion: 43 Resp: 608422
Ion Ratio Lower Upper
43 100
74 23.0 18.6 27.8

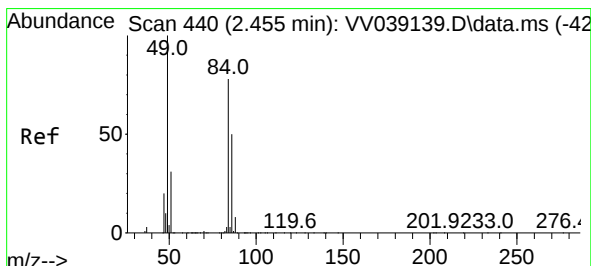
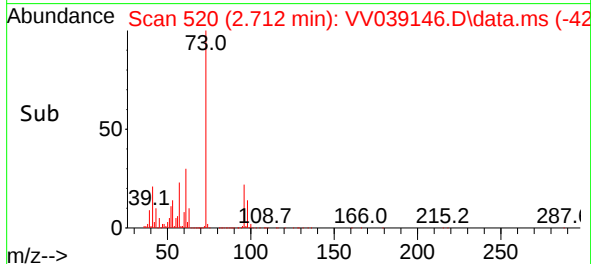
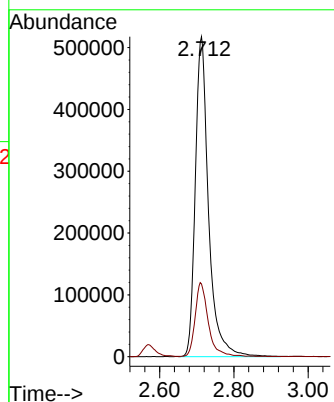
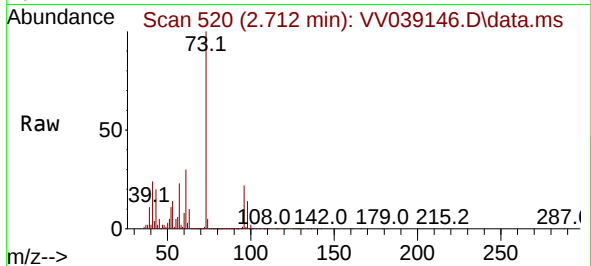




#19
Methyl tert-butyl Ether
Concen: 47.752 ug/l
RT: 2.712 min Scan# 519
Delta R.T. 0.003 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

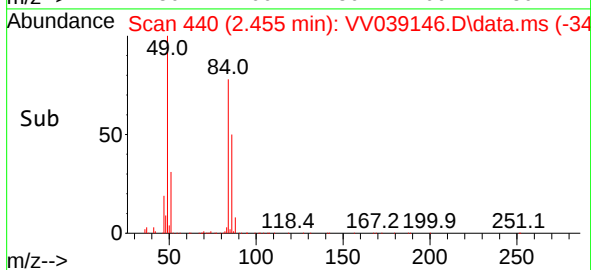
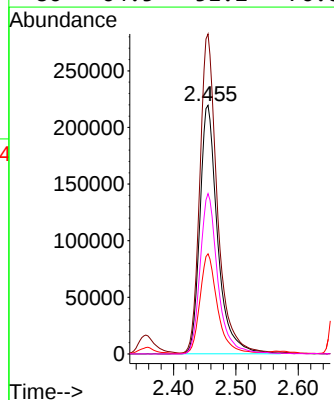
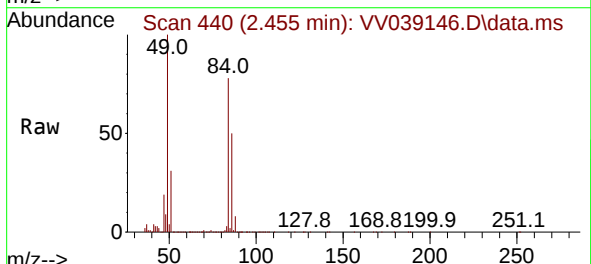
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 1280541
Ion Ratio Lower Upper
73 100
57 22.7 18.2 27.4



#20
Methylene Chloride
Concen: 49.660 ug/l
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

Tgt Ion: 84 Resp: 433679
Ion Ratio Lower Upper
84 100
49 128.4 102.8 154.2
51 40.0 31.9 47.9
86 64.5 51.2 76.8

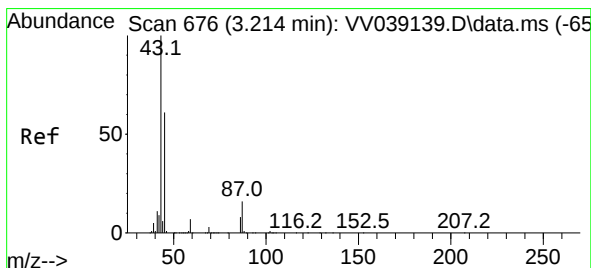
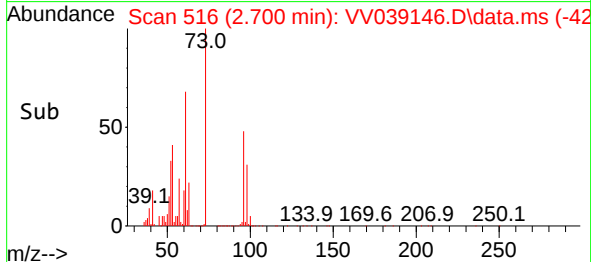
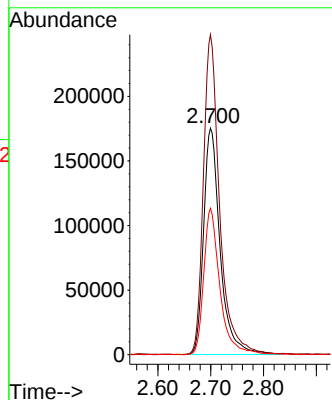
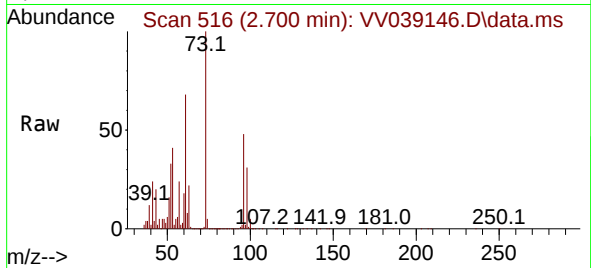




#21
trans-1,2-Dichloroethene
Concen: 42.561 ug/l
RT: 2.700 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

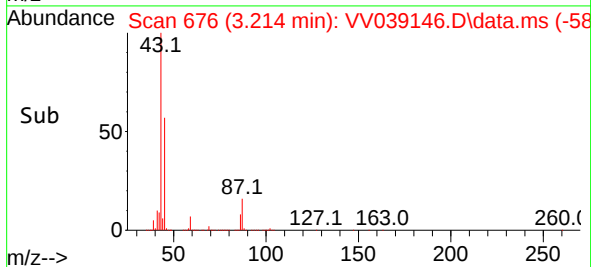
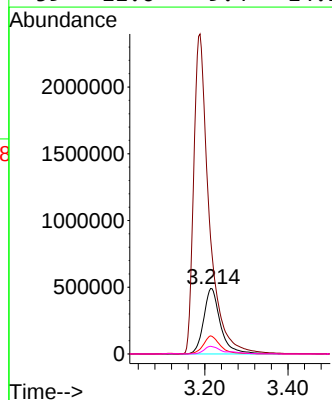
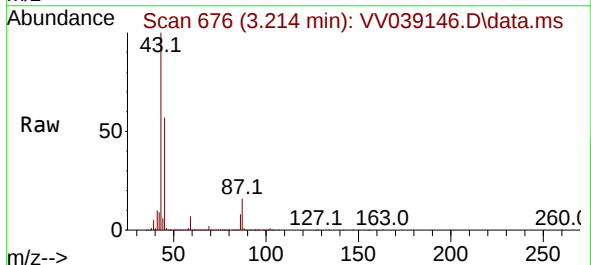
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 381303
Ion Ratio Lower Upper
96 100
61 141.2 112.8 169.2
98 64.6 51.1 76.7



#22
Diisopropyl ether
Concen: 47.754 ug/l
RT: 3.214 min Scan# 676
Delta R.T. 0.000 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

Tgt Ion: 45 Resp: 1373474
Ion Ratio Lower Upper
45 100
43 176.8 130.9 196.3
87 27.4 21.1 31.7
59 11.6 9.4 14.2

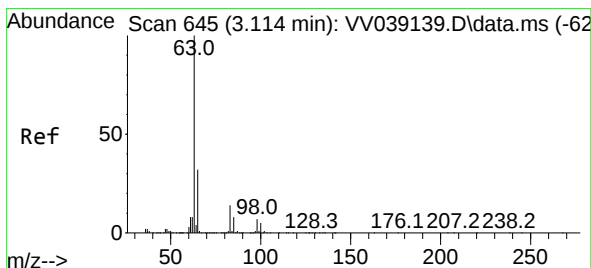
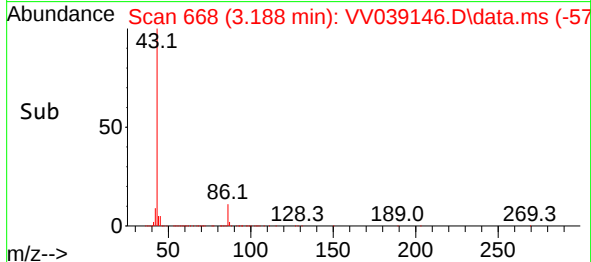
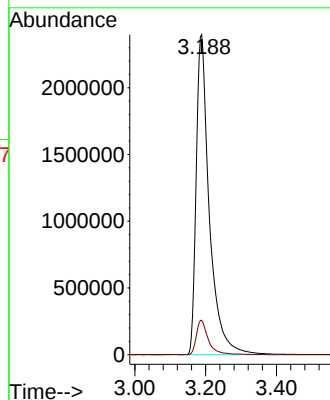
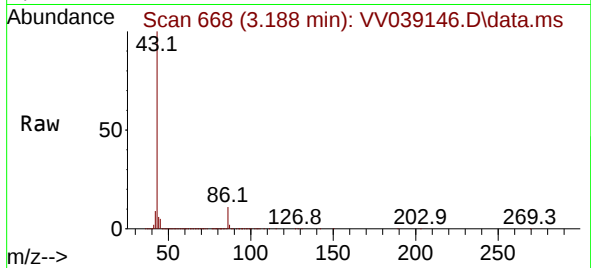




#23
 Vinyl Acetate
 Concen: 245.419 ug/l
 RT: 3.188 min Scan# 667
 Delta R.T. 0.003 min
 Lab File: VV039146.D
 Acq: 24 Sep 2025 10:49

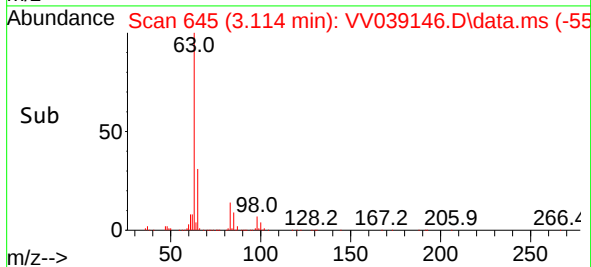
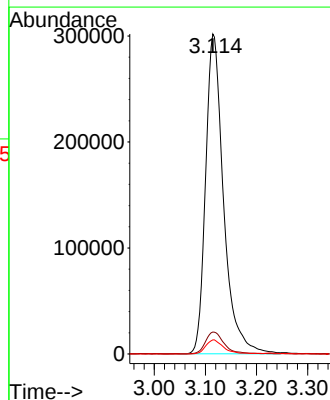
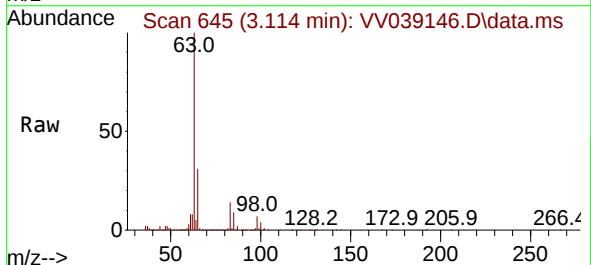
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050

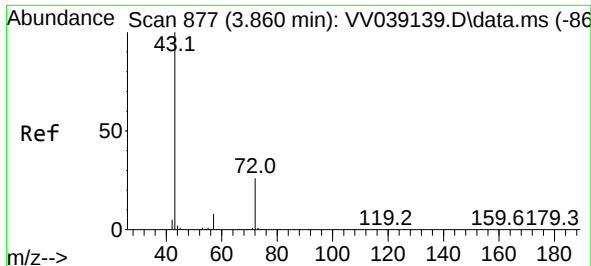
Tgt Ion: 43 Resp: 6174734
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 41.969 ug/l
 RT: 3.114 min Scan# 645
 Delta R.T. 0.000 min
 Lab File: VV039146.D
 Acq: 24 Sep 2025 10:49

Tgt Ion: 63 Resp: 738164
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.2
 100 4.4 2.2 6.6

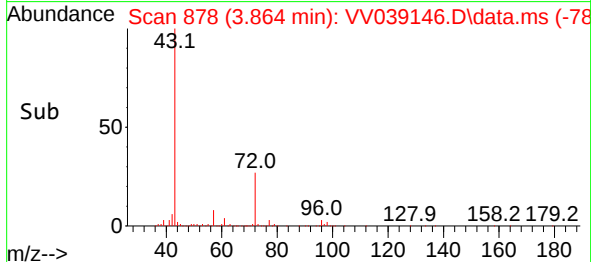
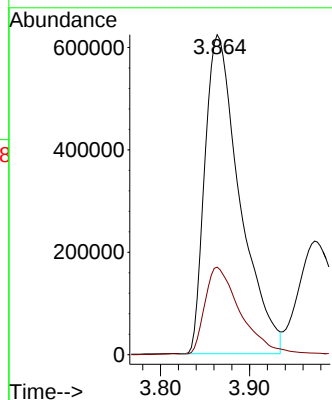
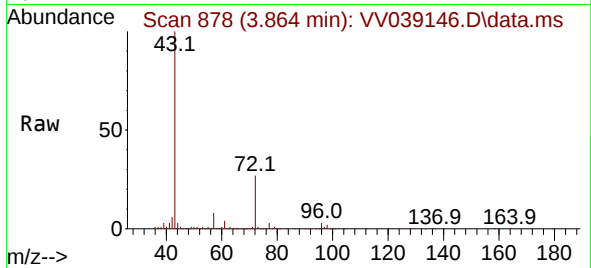




#25
2-Butanone
Concen: 262.339 ug/l
RT: 3.864 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

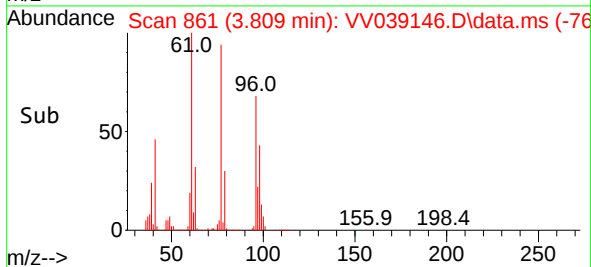
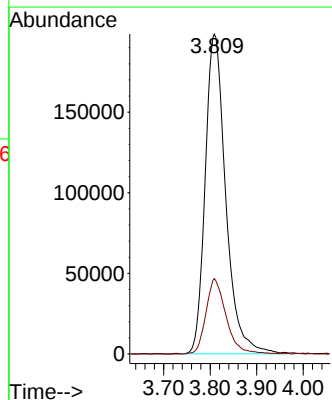
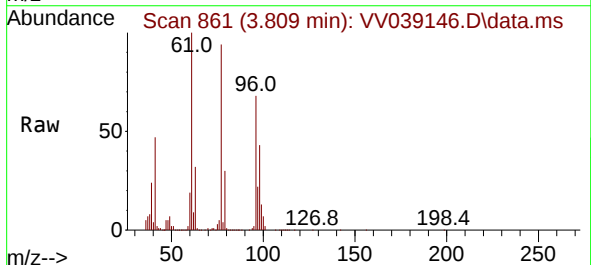
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

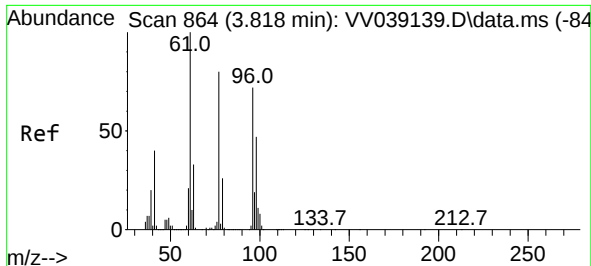
Tgt Ion: 43 Resp: 1696999
Ion Ratio Lower Upper
43 100
72 27.2 21.0 31.6



#26
2,2-Dichloropropane
Concen: 39.009 ug/l
RT: 3.809 min Scan# 861
Delta R.T. 0.003 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

Tgt Ion: 77 Resp: 608343
Ion Ratio Lower Upper
77 100
97 23.1 11.6 34.7

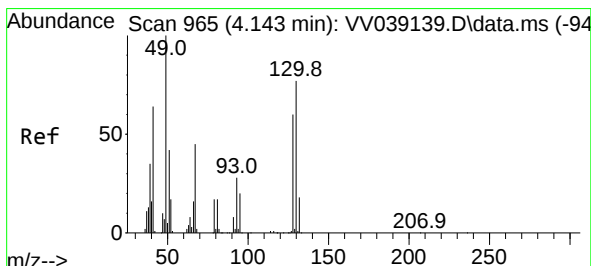
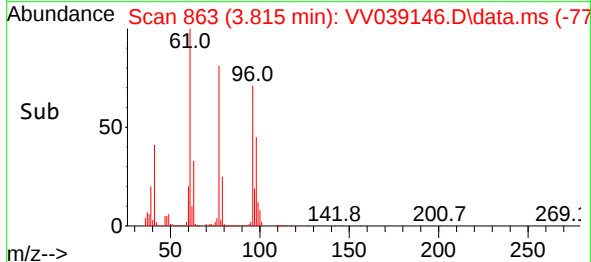
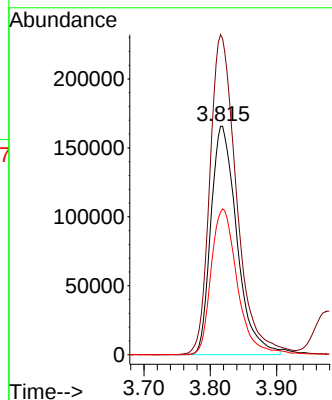
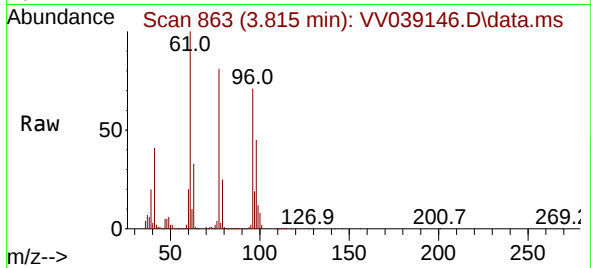




#27
 cis-1,2-Dichloroethene
 Concen: 45.657 ug/l
 RT: 3.815 min Scan# 864
 Delta R.T. -0.003 min
 Lab File: VV039146.D
 Acq: 24 Sep 2025 10:49

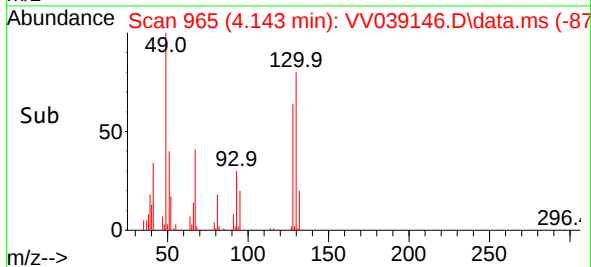
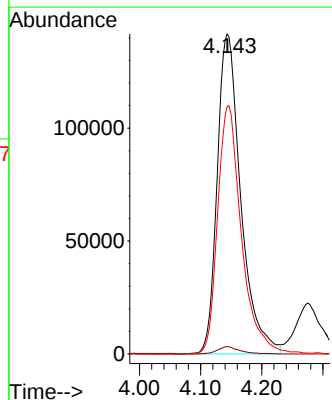
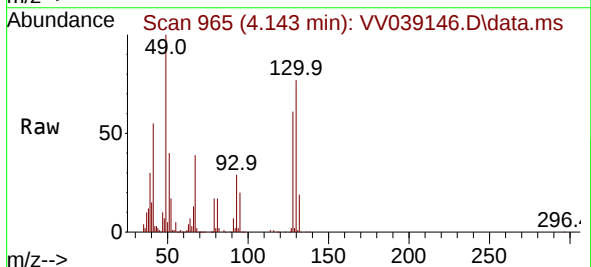
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050

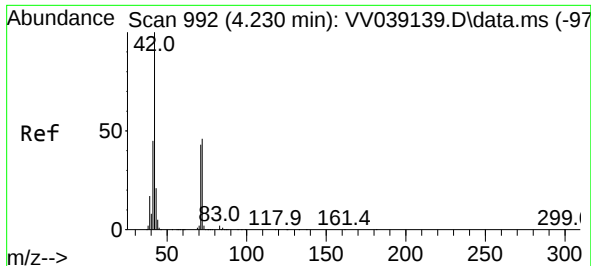
Tgt Ion: 96 Resp: 451121
 Ion Ratio Lower Upper
 96 100
 61 143.9 0.0 286.4
 98 64.6 0.0 126.6



#28
 Bromochloromethane
 Concen: 49.069 ug/l
 RT: 4.143 min Scan# 965
 Delta R.T. 0.000 min
 Lab File: VV039146.D
 Acq: 24 Sep 2025 10:49

Tgt Ion: 49 Resp: 381004
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.2
 130 78.0 60.2 90.2





#29

Tetrahydrofuran

Concen: 275.798 ug/l

RT: 4.233 min Scan# 992

Delta R.T. 0.003 min

Lab File: VV039146.D

Acq: 24 Sep 2025 10:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC050

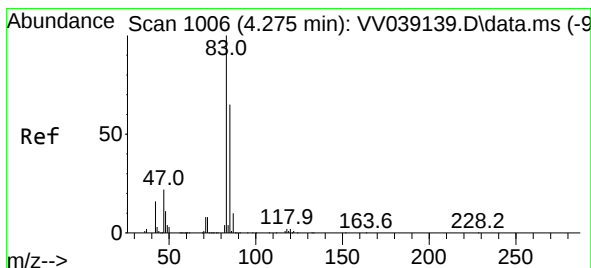
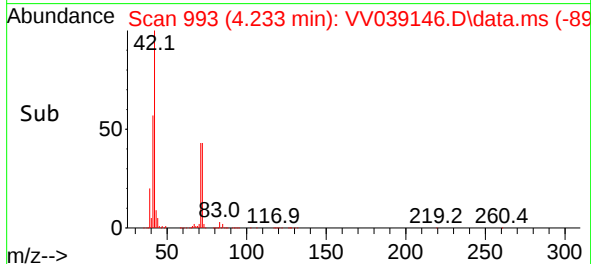
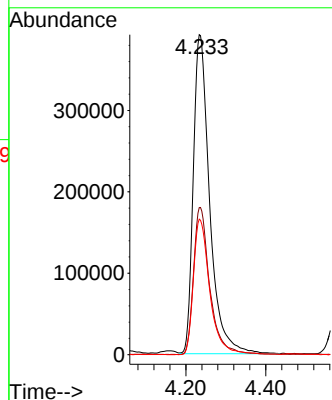
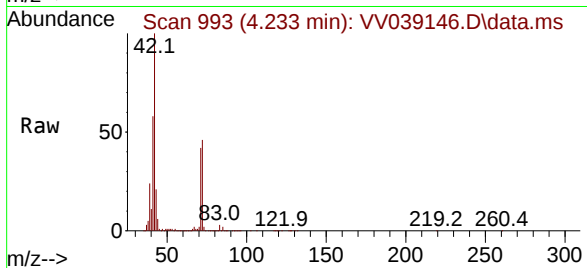
Tgt Ion: 42 Resp: 1116689

Ion Ratio Lower Upper

42 100

72 45.5 36.3 54.5

71 42.4 34.3 51.5



#30

Chloroform

Concen: 44.039 ug/l

RT: 4.275 min Scan# 1006

Delta R.T. 0.000 min

Lab File: VV039146.D

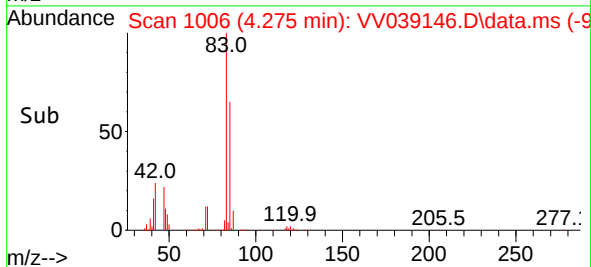
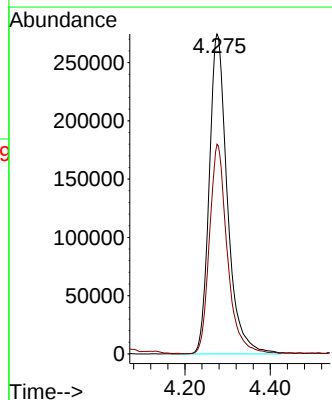
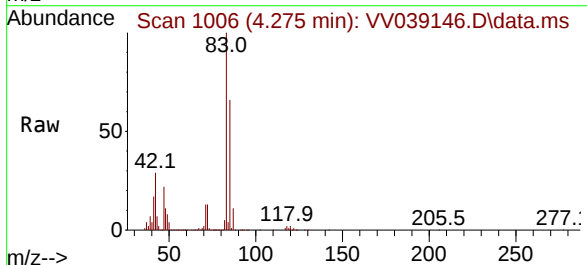
Acq: 24 Sep 2025 10:49

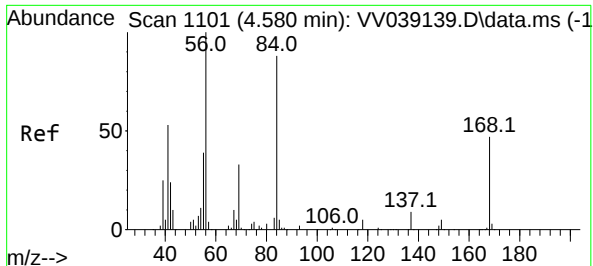
Tgt Ion: 83 Resp: 808825

Ion Ratio Lower Upper

83 100

85 65.4 52.1 78.1

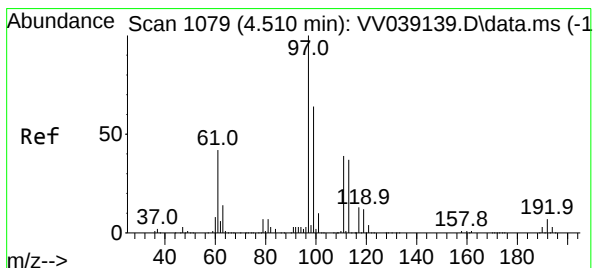
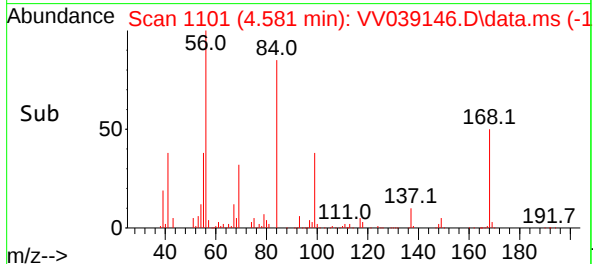
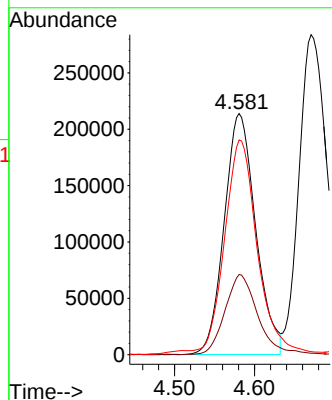
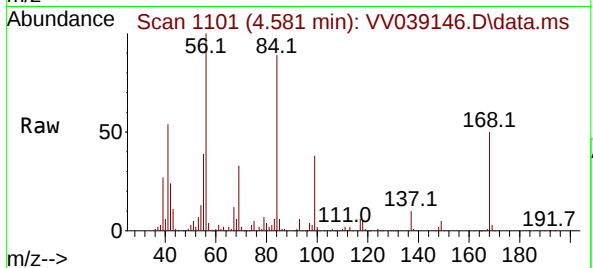




#31
Cyclohexane
Concen: 40.562 ug/l
RT: 4.581 min Scan# 1101
Delta R.T. 0.000 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

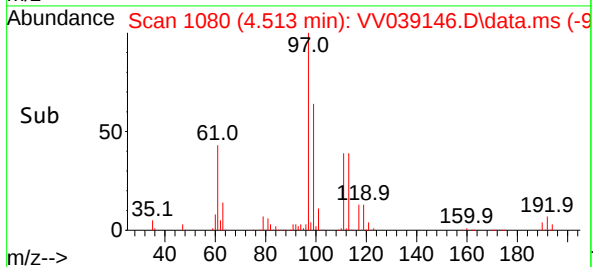
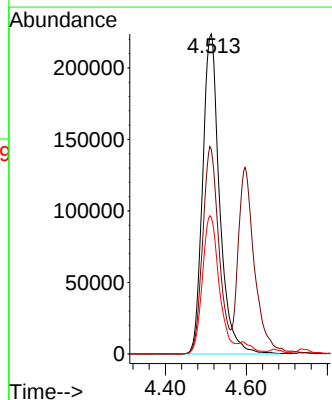
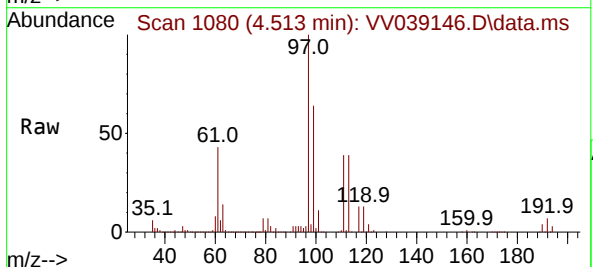
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

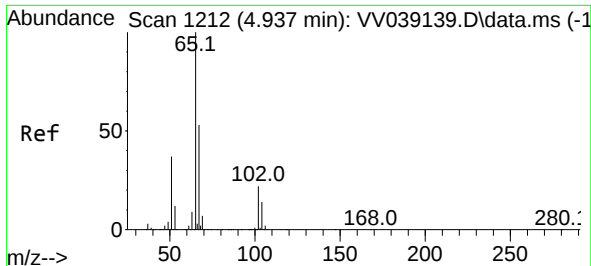
Tgt Ion: 56 Resp: 584423
Ion Ratio Lower Upper
56 100
69 33.3 26.2 39.2
84 87.4 70.3 105.5



#32
1,1,1-Trichloroethane
Concen: 41.043 ug/l
RT: 4.513 min Scan# 1080
Delta R.T. 0.003 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

Tgt Ion: 97 Resp: 652596
Ion Ratio Lower Upper
97 100
99 61.5 49.6 74.4
61 42.7 34.5 51.7





#33

1,2-Dichloroethane-d4

Concen: 45.702 ug/l

RT: 4.941 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV039146.D

Acq: 24 Sep 2025 10:49

Instrument :

MSVOA_V

ClientSampleId :

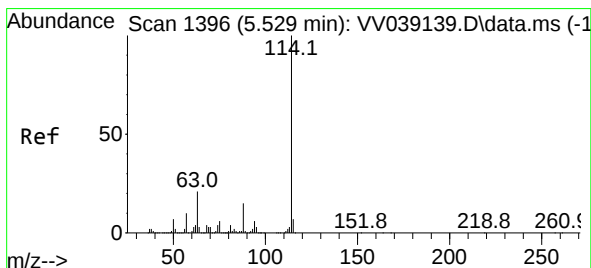
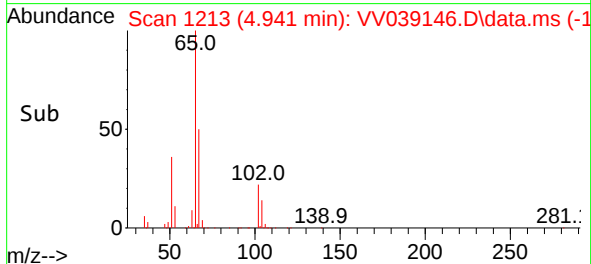
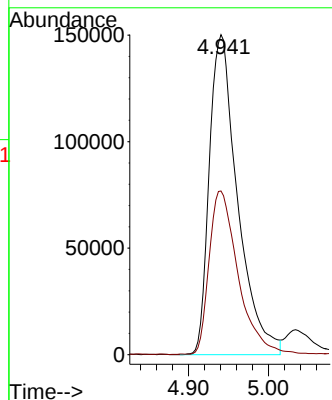
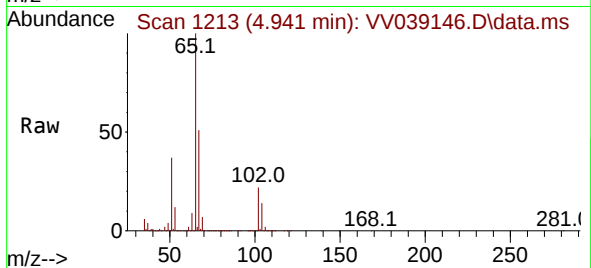
VSTDCCC050

Tgt Ion: 65 Resp: 369186

Ion Ratio Lower Upper

65 100

67 52.3 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1397

Delta R.T. 0.003 min

Lab File: VV039146.D

Acq: 24 Sep 2025 10:49

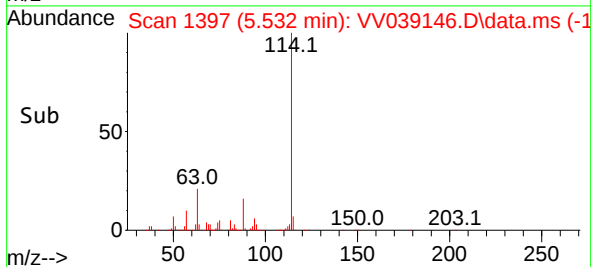
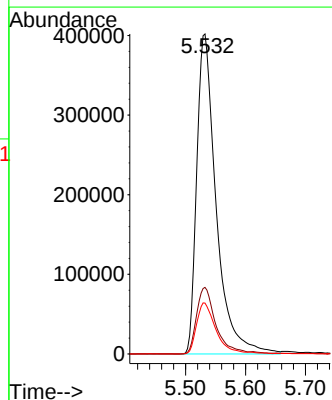
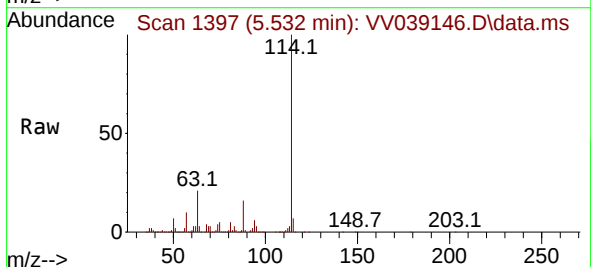
Tgt Ion: 114 Resp: 907128

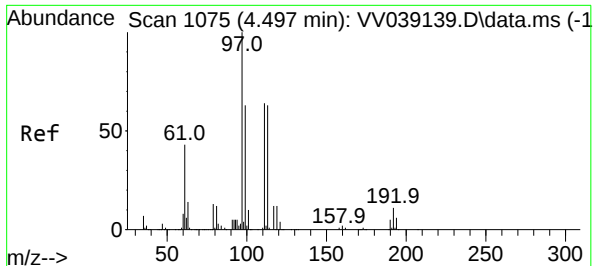
Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.6

88 15.9 0.0 30.8

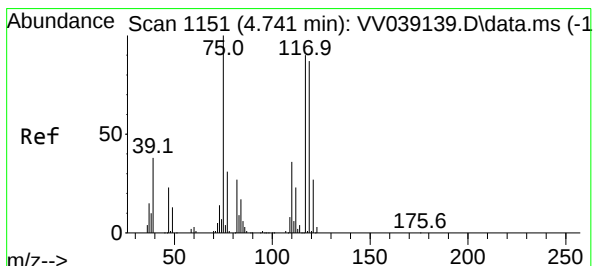
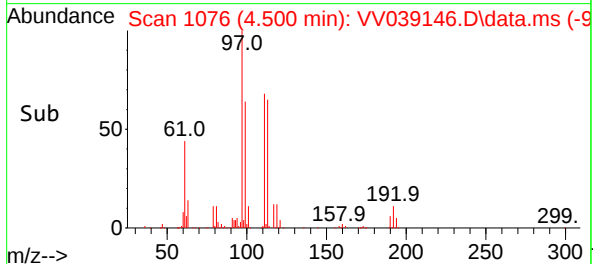
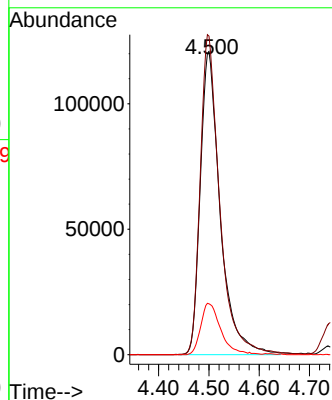
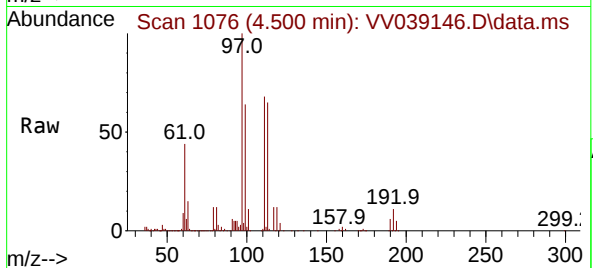




#35
Dibromofluoromethane
Concen: 45.567 ug/l
RT: 4.500 min Scan# 1075
Delta R.T. 0.003 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

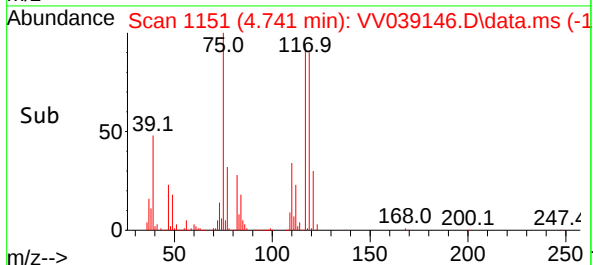
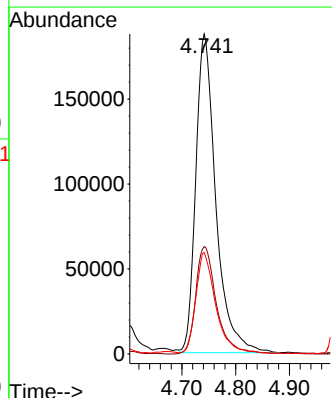
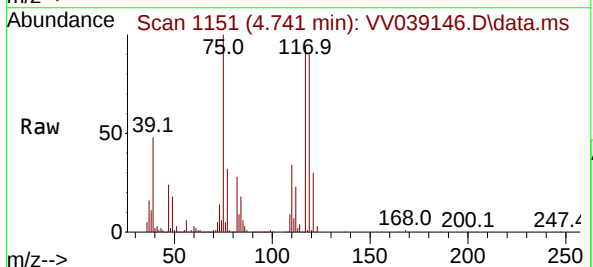
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

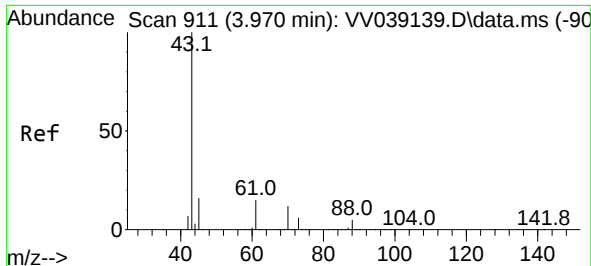
Tgt Ion:113 Resp: 332304
Ion Ratio Lower Upper
113 100
111 102.7 82.4 123.6
192 16.9 13.8 20.8



#36
1,1-Dichloropropene
Concen: 44.192 ug/l
RT: 4.741 min Scan# 1151
Delta R.T. 0.000 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

Tgt Ion: 75 Resp: 487252
Ion Ratio Lower Upper
75 100
110 34.9 18.1 54.1
77 30.4 24.8 37.2

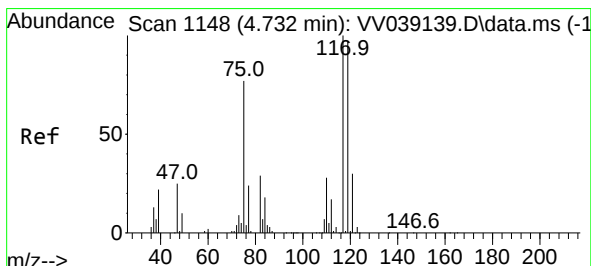
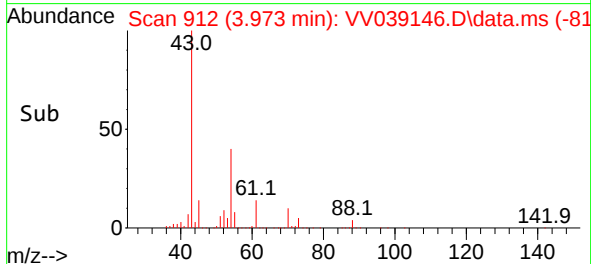
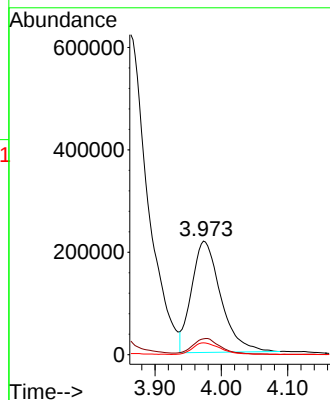
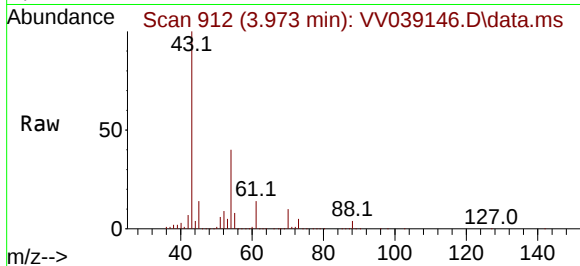




#37
Ethyl Acetate
Concen: 49.616 ug/l
RT: 3.973 min Scan# 911
Delta R.T. 0.003 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

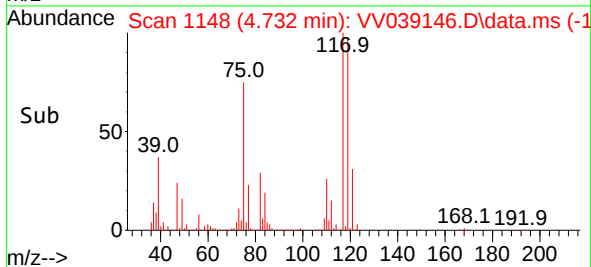
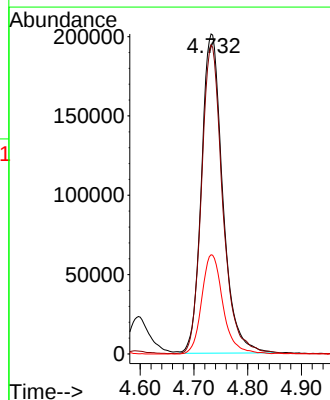
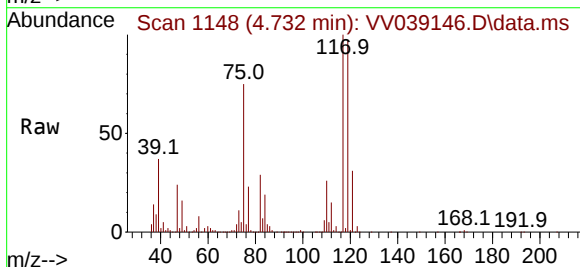
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

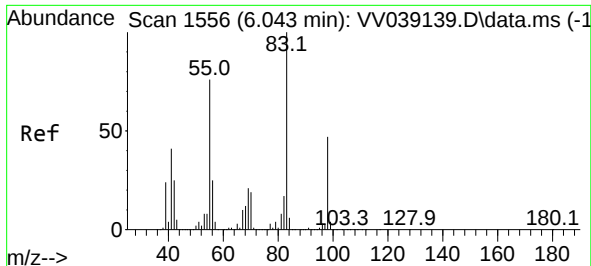
Tgt Ion: 43 Resp: 663808
Ion Ratio Lower Upper
43 100
61 12.9 10.3 15.5
70 9.8 8.0 12.0



#38
Carbon Tetrachloride
Concen: 41.012 ug/l
RT: 4.732 min Scan# 1148
Delta R.T. -0.000 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

Tgt Ion: 117 Resp: 552633
Ion Ratio Lower Upper
117 100
119 96.6 77.2 115.8
121 31.1 24.2 36.2

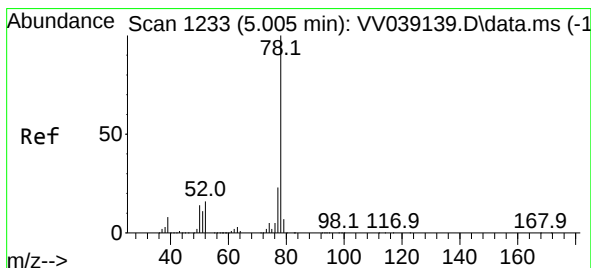
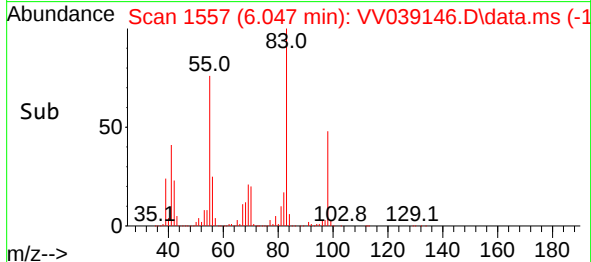
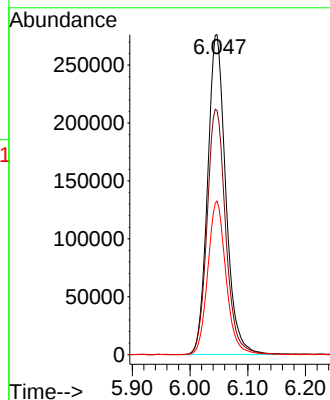
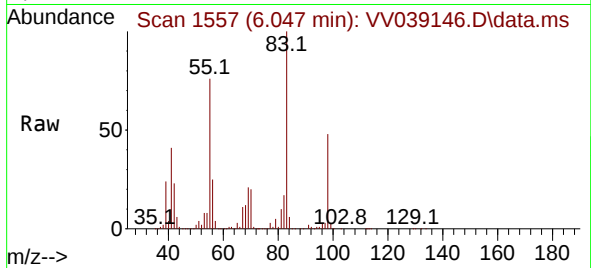




#39
Methylcyclohexane
Concen: 45.449 ug/l
RT: 6.047 min Scan# 11
Delta R.T. 0.004 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

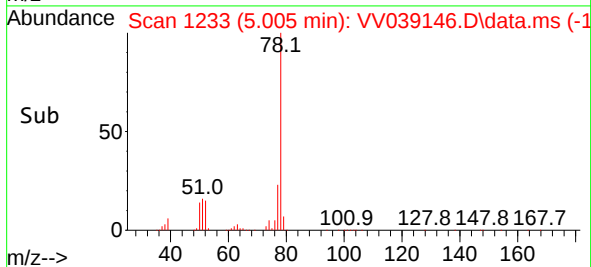
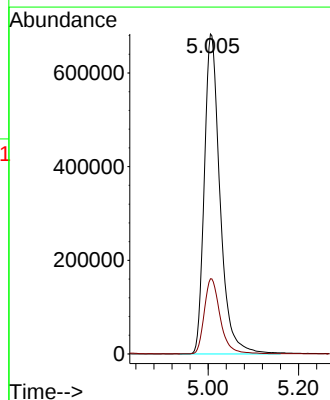
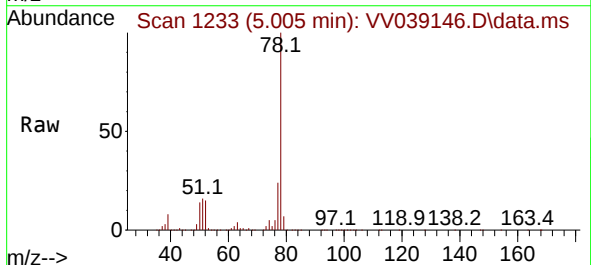
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

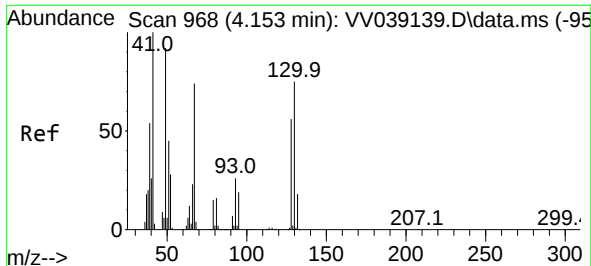
Tgt Ion: 83 Resp: 605143
Ion Ratio Lower Upper
83 100
55 76.3 60.5 90.7
98 48.0 37.8 56.6



#40
Benzene
Concen: 45.898 ug/l
RT: 5.005 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

Tgt Ion: 78 Resp: 1647897
Ion Ratio Lower Upper
78 100
77 23.5 18.7 28.1



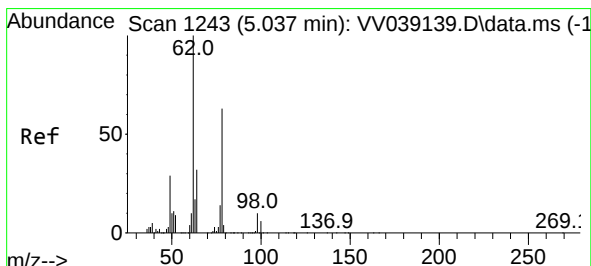
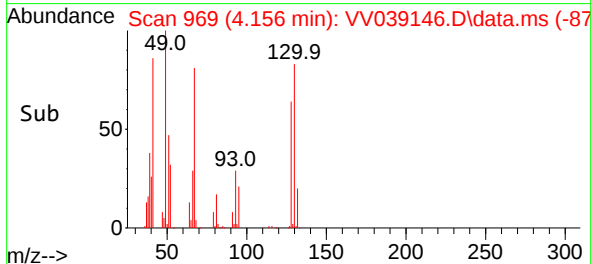
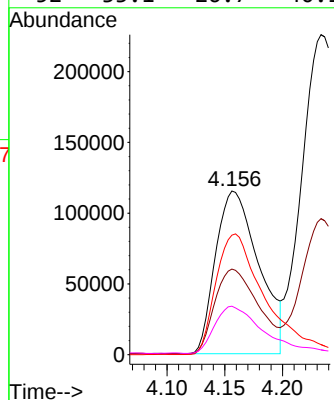
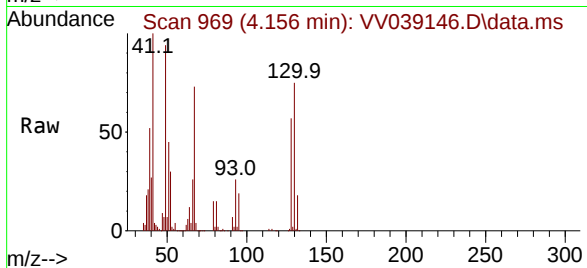


#41
Methacrylonitrile
Concen: 49.549 ug/l
RT: 4.156 min Scan# 969
Delta R.T. 0.003 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 299616

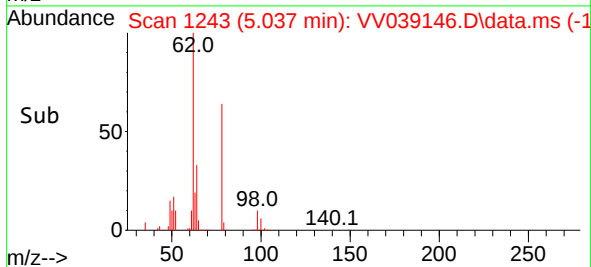
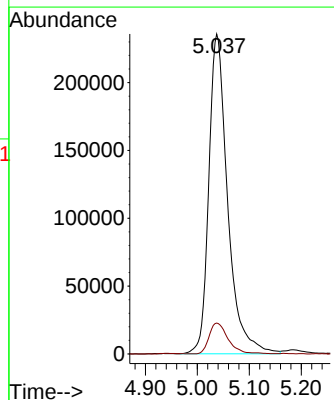
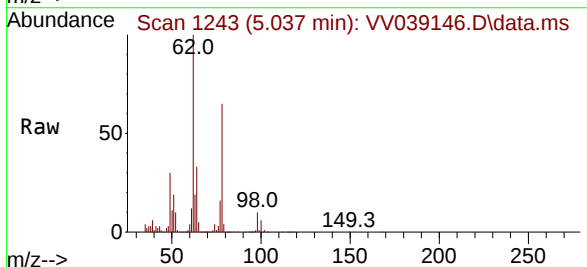
Ion	Ratio	Lower	Upper
41	100		
39	53.2	42.2	63.2
67	86.4	67.9	101.9
52	33.1	26.7	40.1

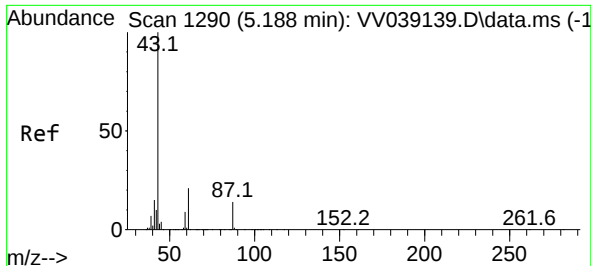


#42
1,2-Dichloroethane
Concen: 47.262 ug/l
RT: 5.037 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

Tgt Ion: 62 Resp: 594558

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.2

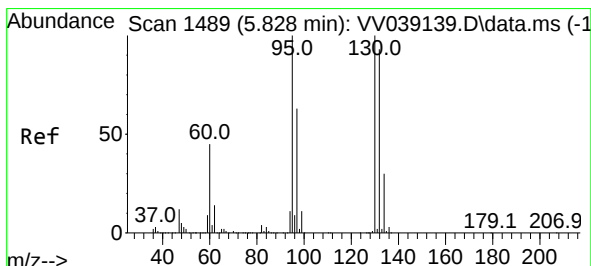
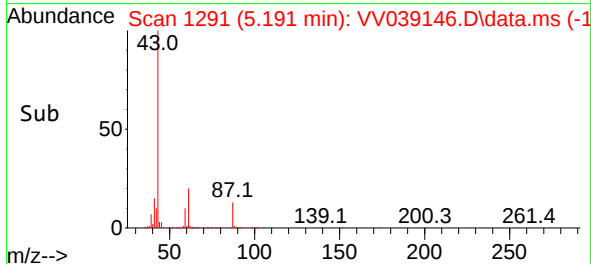
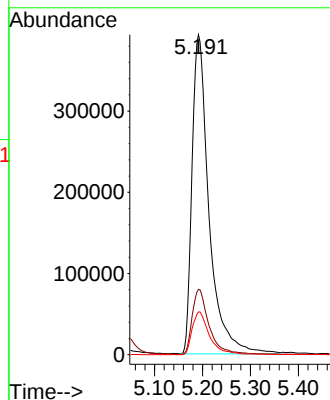
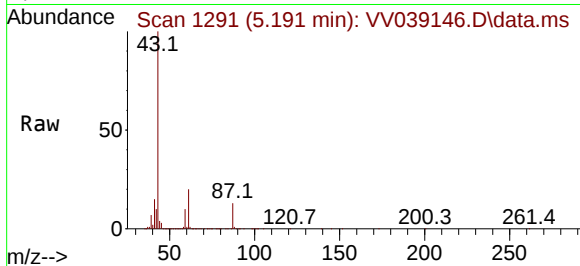




#43
Isopropyl Acetate
Concen: 53.044 ug/l
RT: 5.191 min Scan# 1291
Delta R.T. 0.003 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

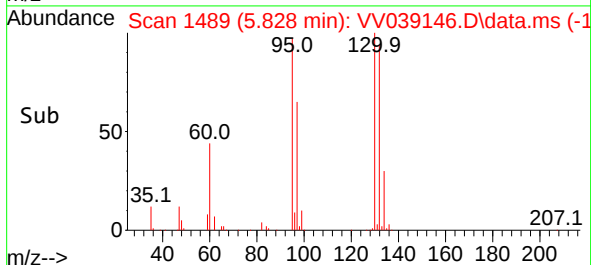
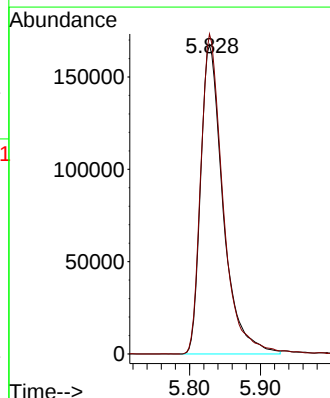
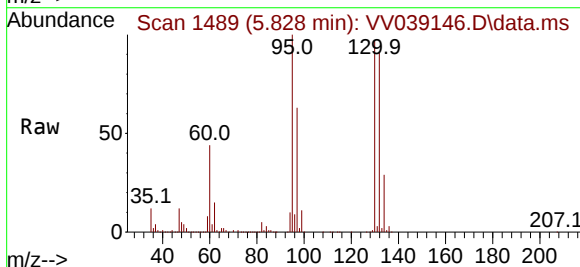
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

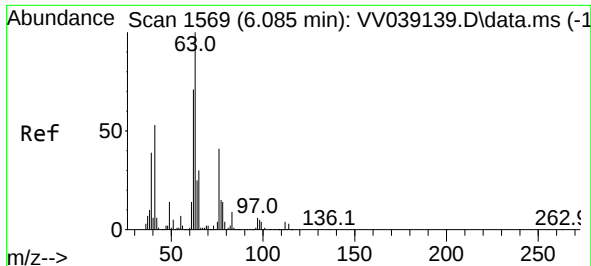
Tgt Ion: 43 Resp: 967617
Ion Ratio Lower Upper
43 100
61 20.0 15.9 23.9
87 13.5 11.0 16.6



#44
Trichloroethene
Concen: 44.323 ug/l
RT: 5.828 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

Tgt Ion:130 Resp: 367209
Ion Ratio Lower Upper
130 100
95 103.5 0.0 199.2





#45

1,2-Dichloropropane

Concen: 48.401 ug/l

RT: 6.085 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VV039146.D

Acq: 24 Sep 2025 10:49

Instrument :

MSVOA_V

ClientSampleId :

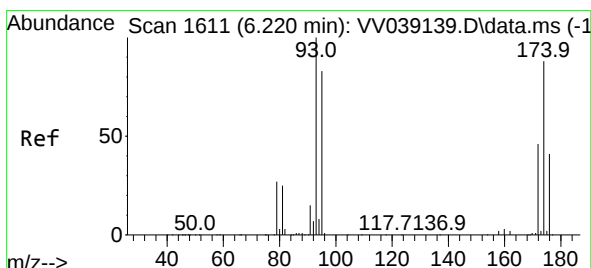
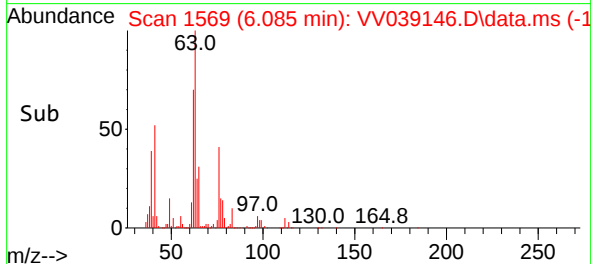
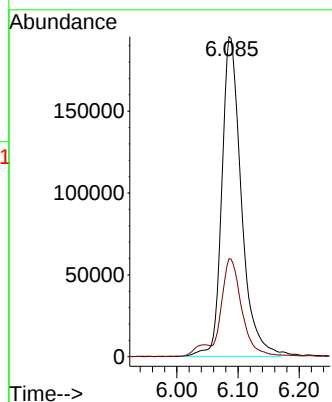
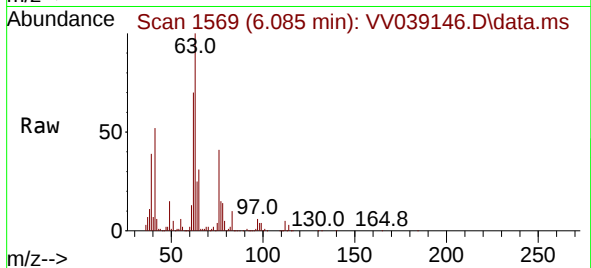
VSTDCCC050

Tgt Ion: 63 Resp: 431931

Ion Ratio Lower Upper

63 100

65 30.5 23.7 35.5



#46

Dibromomethane

Concen: 48.117 ug/l

RT: 6.224 min Scan# 1612

Delta R.T. 0.003 min

Lab File: VV039146.D

Acq: 24 Sep 2025 10:49

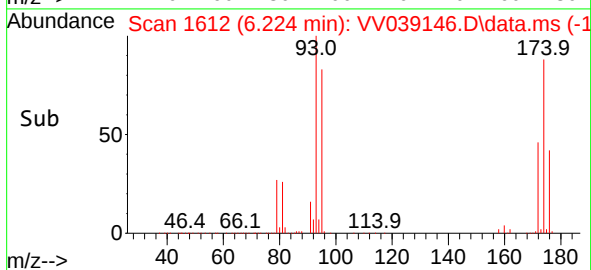
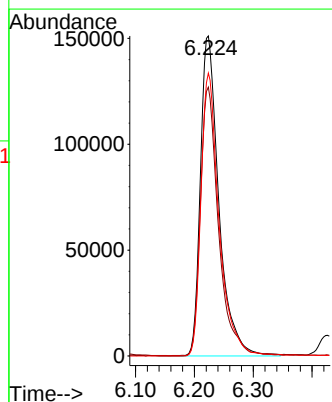
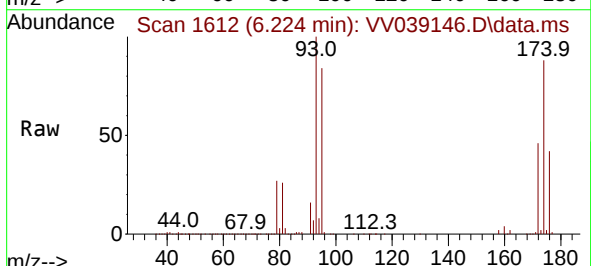
Tgt Ion: 93 Resp: 328651

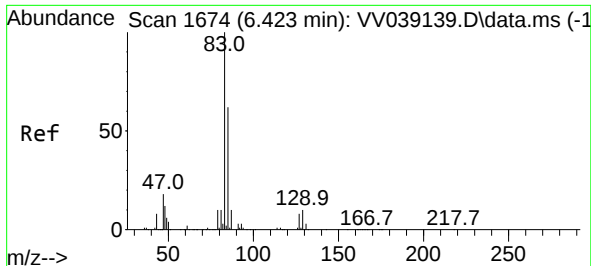
Ion Ratio Lower Upper

93 100

95 82.0 65.5 98.3

174 87.2 69.0 103.4

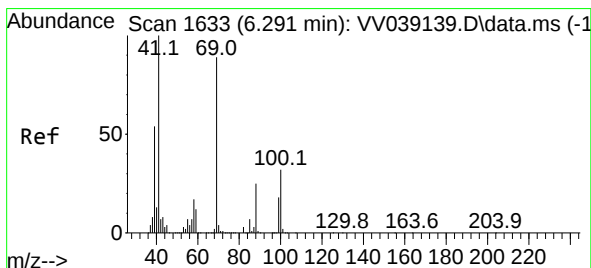
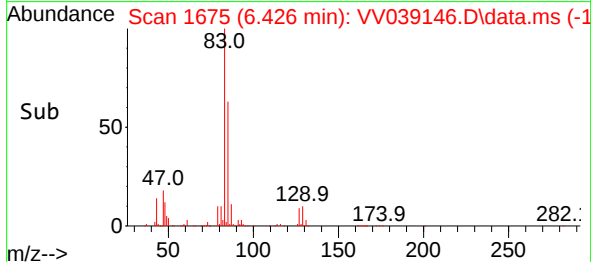
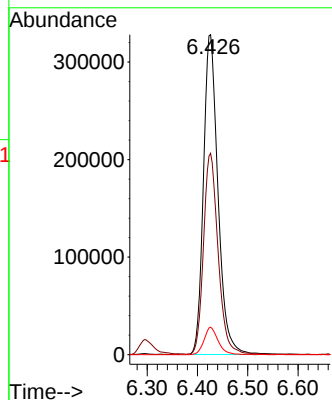
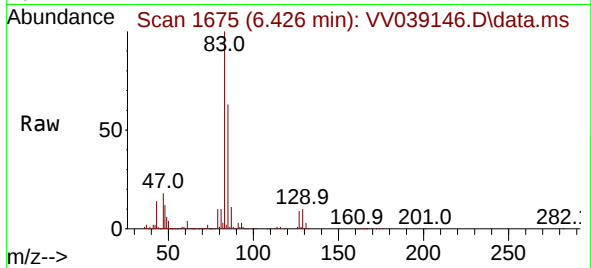




#47
Bromodichloromethane
Concen: 46.688 ug/l
RT: 6.426 min Scan# 1674
Delta R.T. 0.003 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

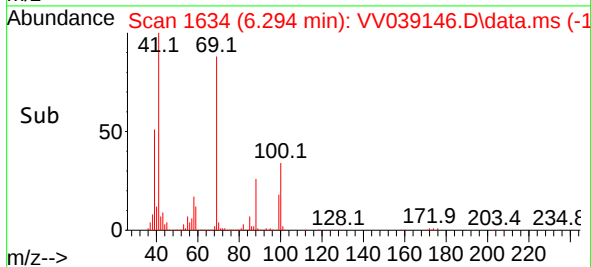
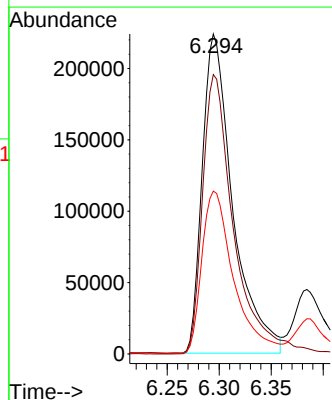
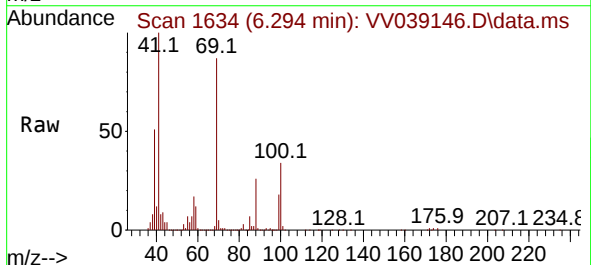
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

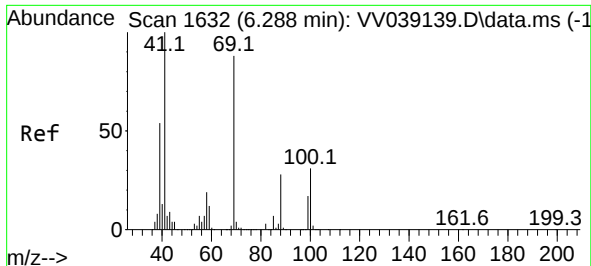
Tgt Ion: 83 Resp: 659260
Ion Ratio Lower Upper
83 100
85 62.8 49.7 74.5
127 8.6 6.6 9.8



#48
Methyl methacrylate
Concen: 55.340 ug/l
RT: 6.294 min Scan# 1634
Delta R.T. 0.003 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

Tgt Ion: 41 Resp: 457609
Ion Ratio Lower Upper
41 100
69 90.1 72.4 108.6
39 52.5 42.5 63.7





#49

1,4-Dioxane

Concen: 1166.851 ug/l

RT: 6.291 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV039146.D

Acq: 24 Sep 2025 10:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC050

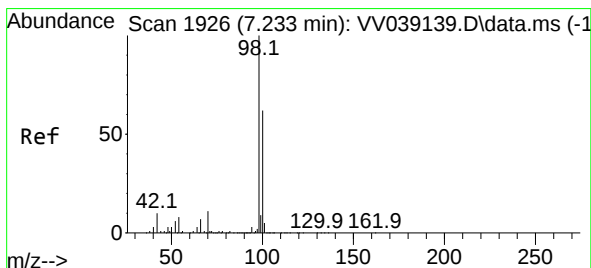
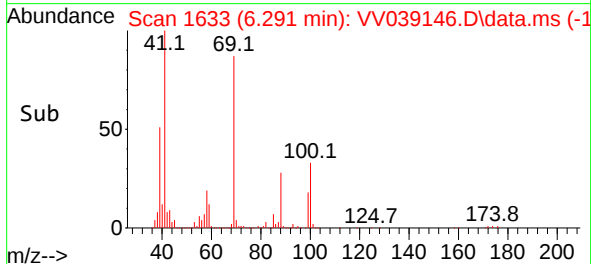
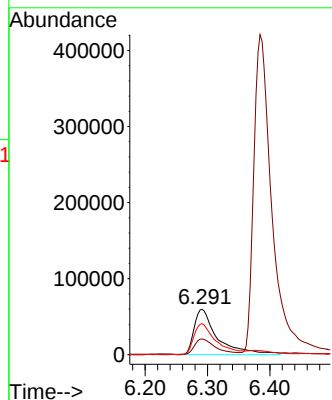
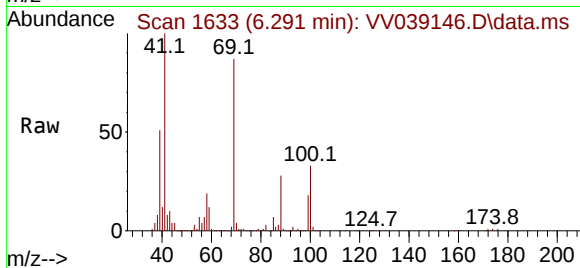
Tgt Ion: 88 Resp: 155709

Ion Ratio Lower Upper

88 100

43 30.2 25.1 37.7

58 64.6 53.6 80.4



#50

Toluene-d8

Concen: 44.587 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. 0.003 min

Lab File: VV039146.D

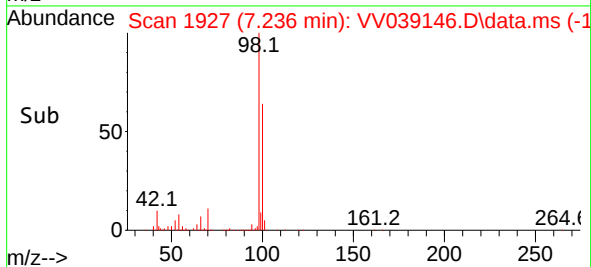
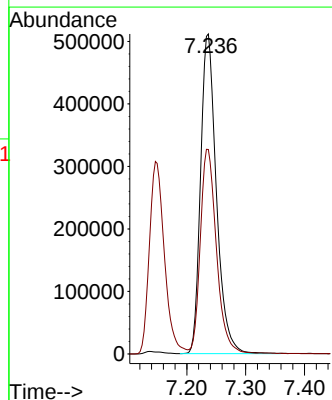
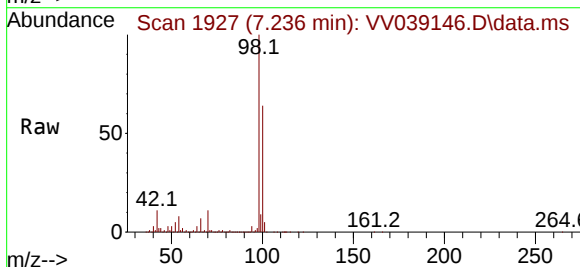
Acq: 24 Sep 2025 10:49

Tgt Ion: 98 Resp: 954978

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 283.713 ug/l

RT: 7.146 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VV039146.D

Acq: 24 Sep 2025 10:49

Instrument :

MSVOA_V

ClientSampleId :

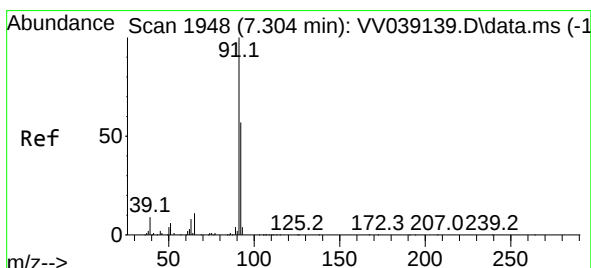
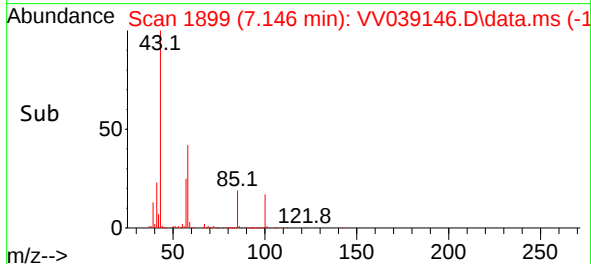
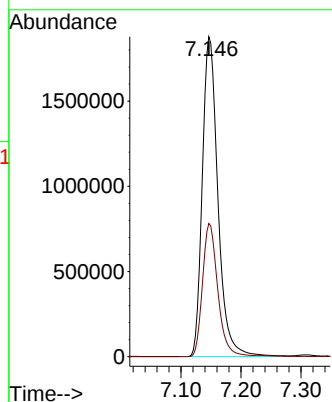
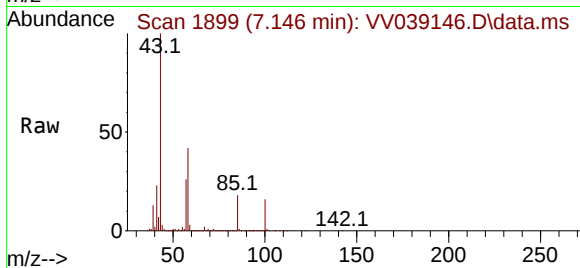
VSTDCCC050

Tgt Ion: 43 Resp: 3404796

Ion Ratio Lower Upper

43 100

58 40.7 32.3 48.5



#52

Toluene

Concen: 48.820 ug/l

RT: 7.307 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VV039146.D

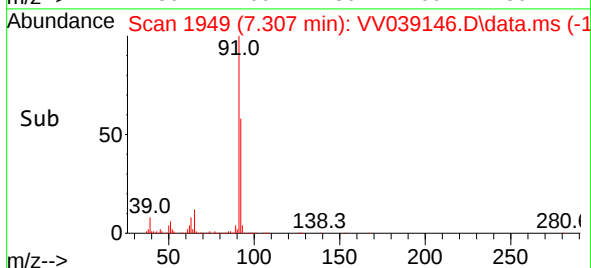
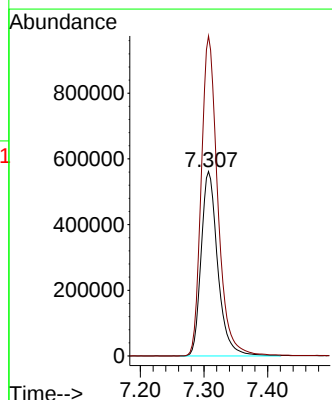
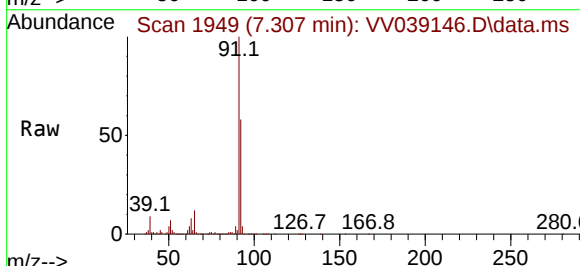
Acq: 24 Sep 2025 10:49

Tgt Ion: 92 Resp: 1016283

Ion Ratio Lower Upper

92 100

91 173.0 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 51.867 ug/l

RT: 7.571 min Scan# 2031

Delta R.T. -0.000 min

Lab File: VV039146.D

Acq: 24 Sep 2025 10:49

Instrument :

MSVOA_V

ClientSampleId :

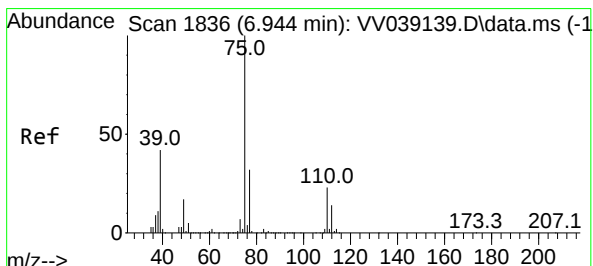
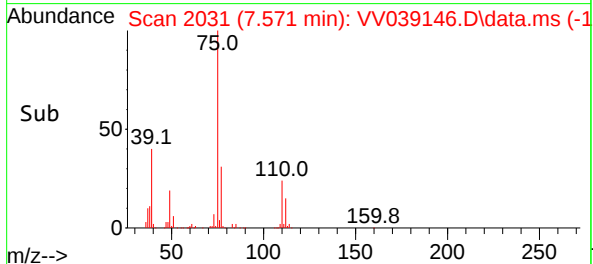
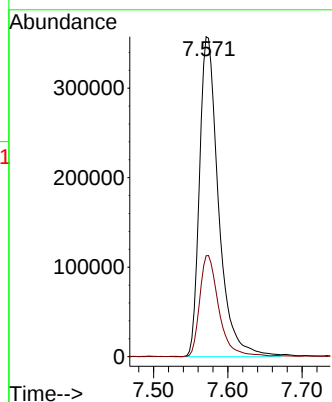
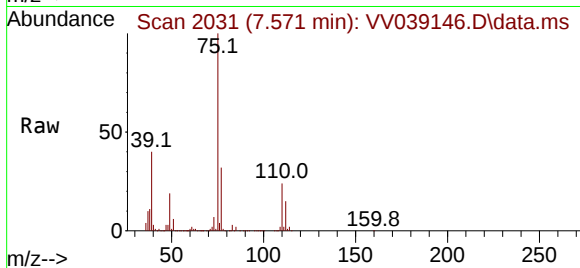
VSTDCCC050

Tgt Ion: 75 Resp: 638267

Ion Ratio Lower Upper

75 100

77 31.5 25.9 38.9



#54

cis-1,3-Dichloropropene

Concen: 51.364 ug/l

RT: 6.947 min Scan# 1837

Delta R.T. 0.003 min

Lab File: VV039146.D

Acq: 24 Sep 2025 10:49

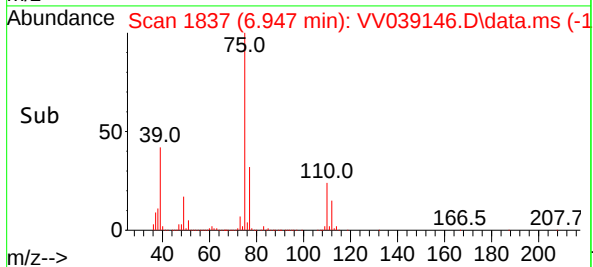
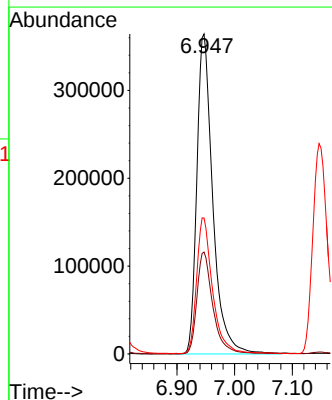
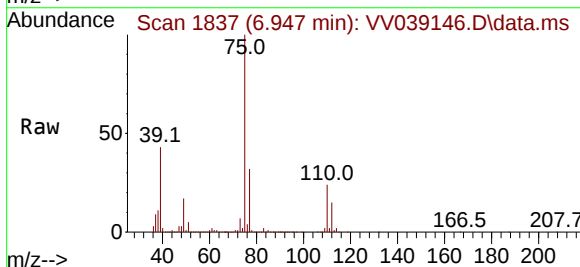
Tgt Ion: 75 Resp: 697782

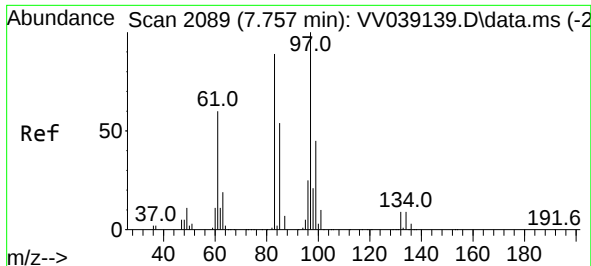
Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3

39 42.4 33.8 50.6

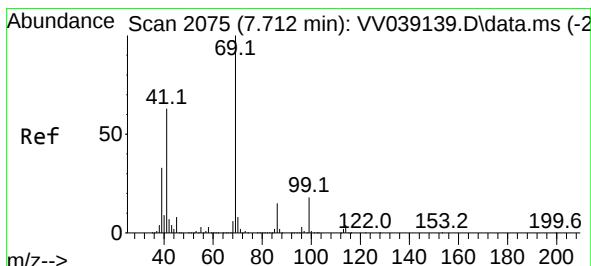
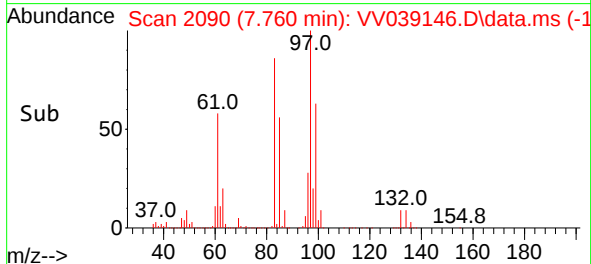
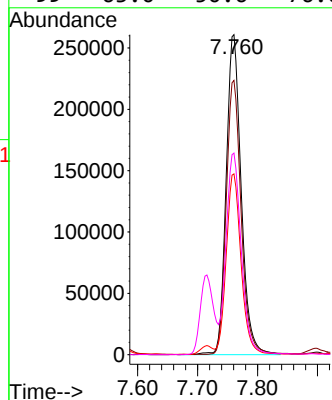
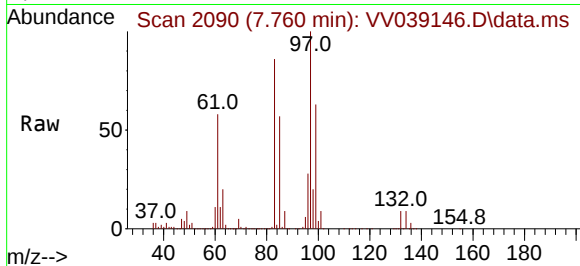




#55
1,1,2-Trichloroethane
Concen: 48.547 ug/l
RT: 7.760 min Scan# 2089
Delta R.T. 0.003 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

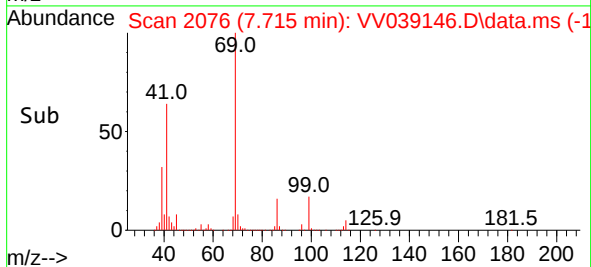
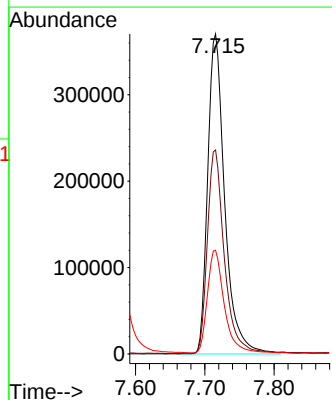
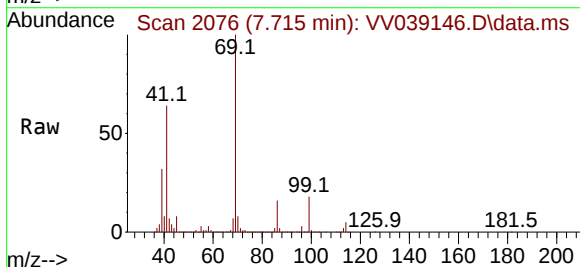
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Tgt Ion: 97	Resp: 453142
Ion Ratio	Lower Upper
97 100	
83 85.6	71.1 106.7
85 56.4	44.6 67.0
99 63.0	50.6 76.0



#56
Ethyl methacrylate
Concen: 56.871 ug/l
RT: 7.715 min Scan# 2076
Delta R.T. 0.003 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

Tgt Ion: 69	Resp: 630396
Ion Ratio	Lower Upper
69 100	
41 63.3	50.7 76.1
39 32.3	26.0 39.0

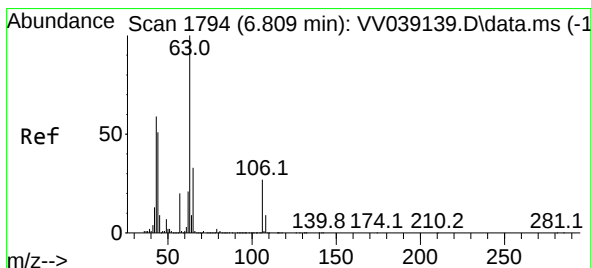
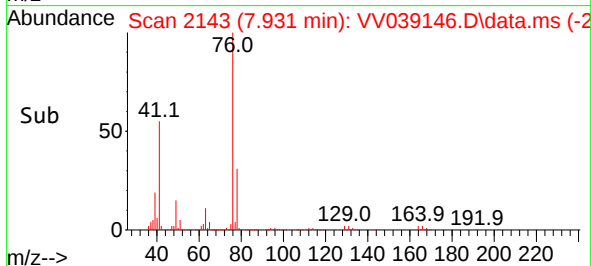
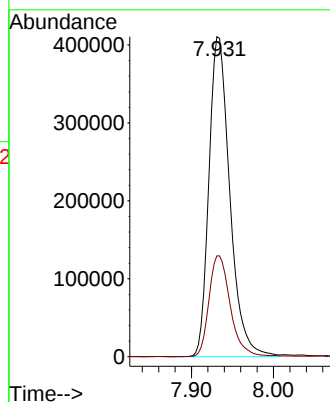
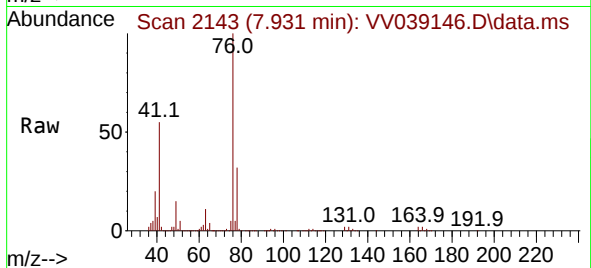




#57
1,3-Dichloropropane
Concen: 49.356 ug/l
RT: 7.931 min Scan# 2143
Delta R.T. -0.000 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

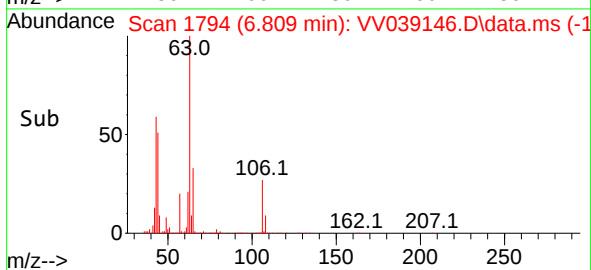
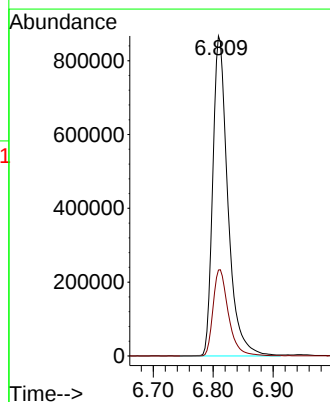
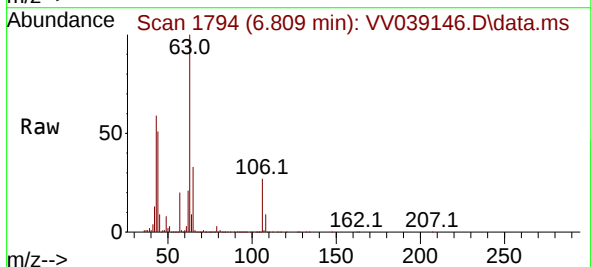
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 727051
Ion Ratio Lower Upper
76 100
78 32.4 26.1 39.1



#58
2-Chloroethyl Vinyl ether
Concen: 242.405 ug/l
RT: 6.809 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

Tgt Ion: 63 Resp: 1515308
Ion Ratio Lower Upper
63 100
106 27.5 22.1 33.1

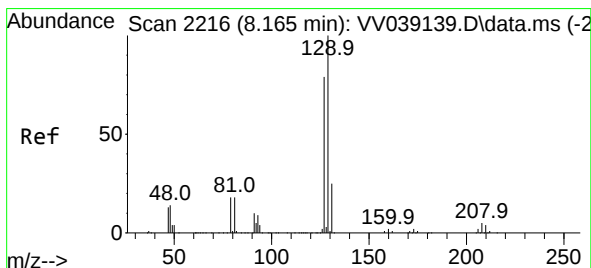
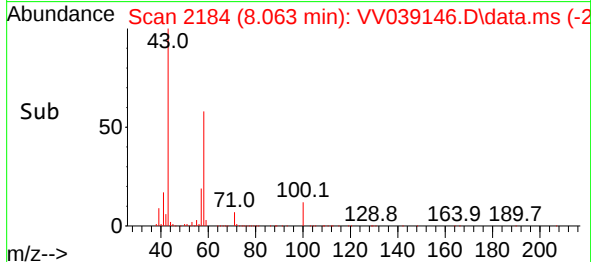
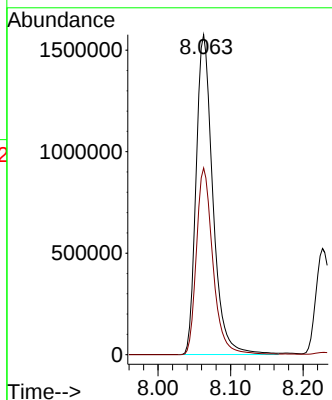
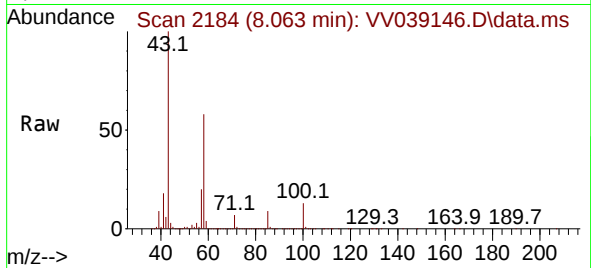




#59
2-Hexanone
Concen: 260.898 ug/l
RT: 8.063 min Scan# 2183
Delta R.T. 0.004 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

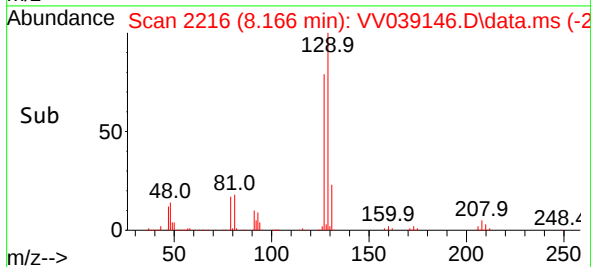
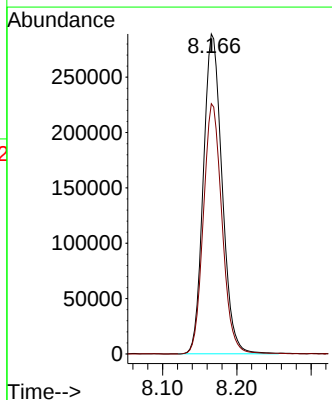
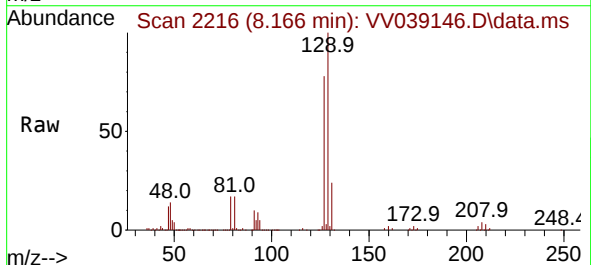
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 2528312
Ion Ratio Lower Upper
43 100
58 57.6 28.3 85.0



#60
Dibromochloromethane
Concen: 47.642 ug/l
RT: 8.166 min Scan# 2216
Delta R.T. 0.000 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

Tgt Ion: 129 Resp: 506709
Ion Ratio Lower Upper
129 100
127 77.8 39.3 117.9

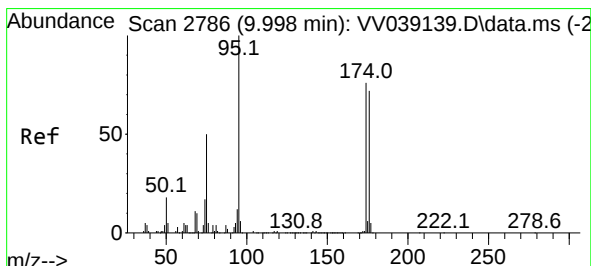
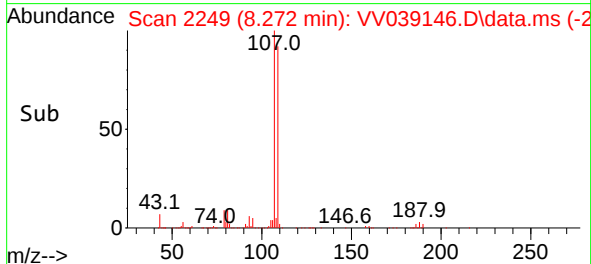
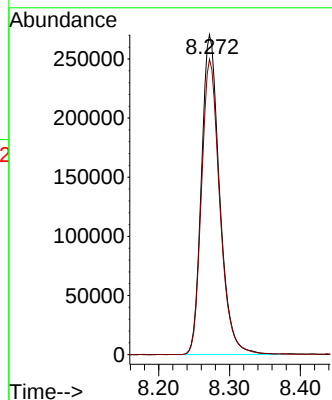
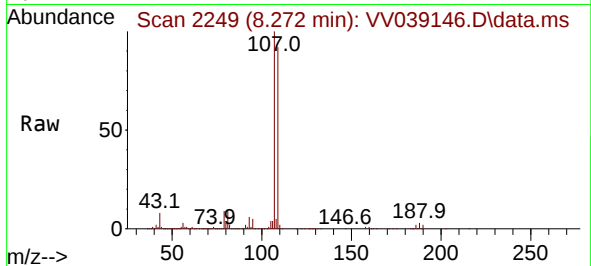




#61
1,2-Dibromoethane
Concen: 50.348 ug/l
RT: 8.272 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

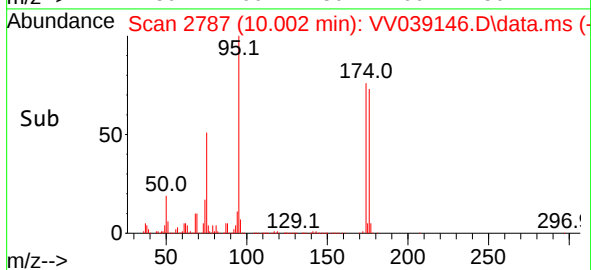
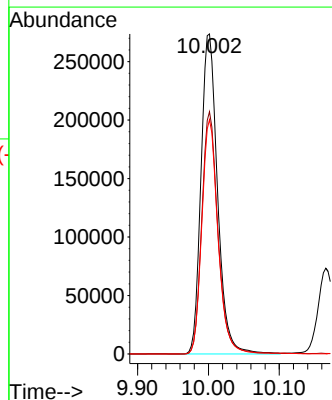
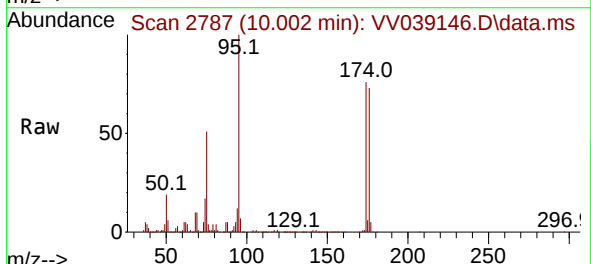
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

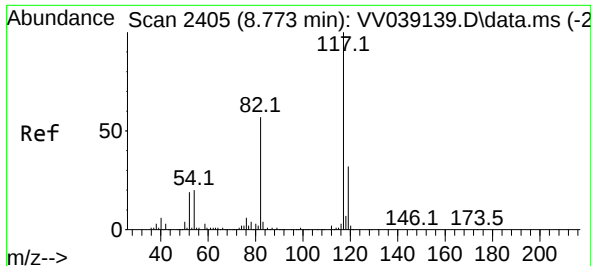
Tgt Ion:107 Resp: 480605
Ion Ratio Lower Upper
107 100
109 93.1 74.6 112.0



#62
4-Bromofluorobenzene
Concen: 50.291 ug/l
RT: 10.002 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

Tgt Ion: 95 Resp: 443437
Ion Ratio Lower Upper
95 100
174 73.9 0.0 150.4
176 71.6 0.0 144.2

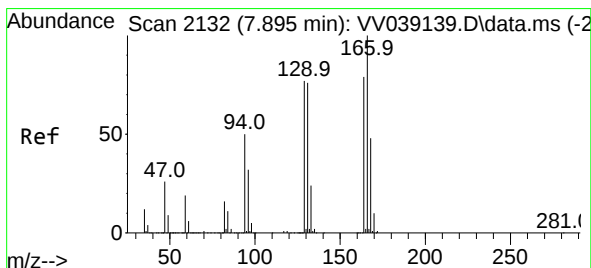
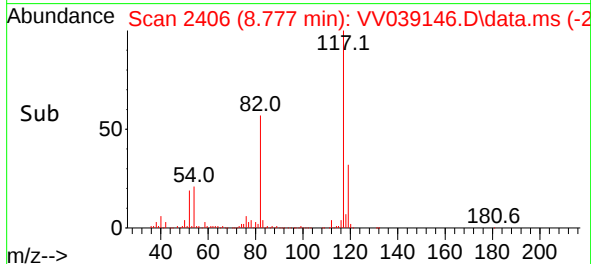
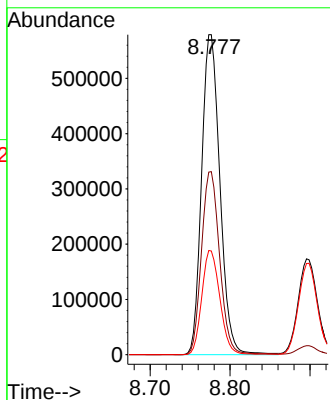
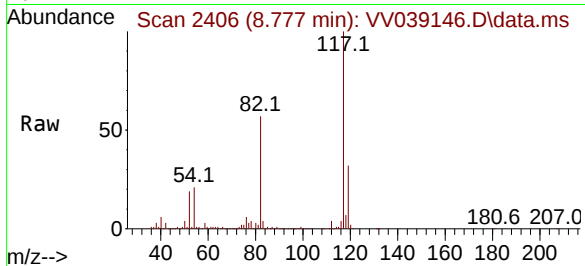




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.777 min Scan# 2405
Delta R.T. 0.004 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

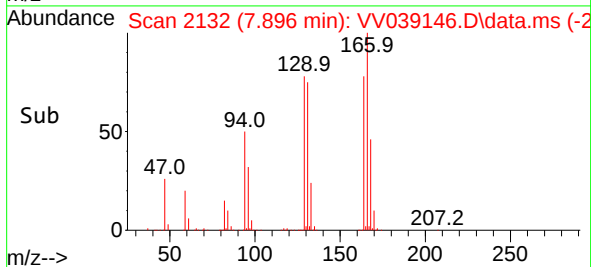
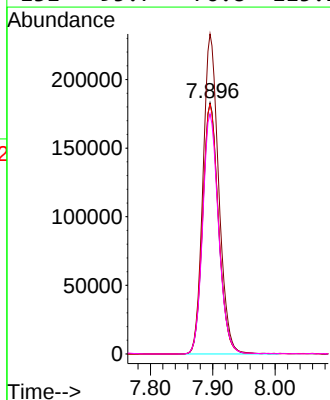
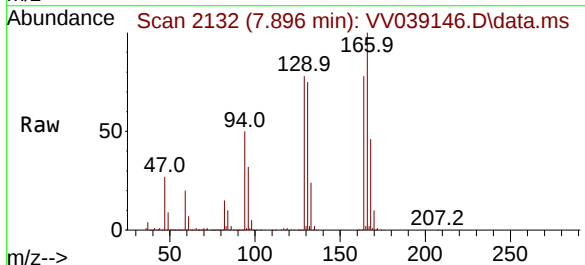
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

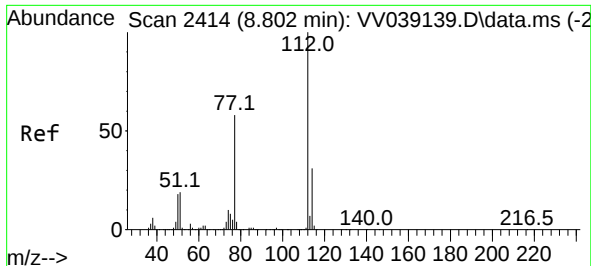
Tgt Ion:117 Resp: 923608
Ion Ratio Lower Upper
117 100
82 57.2 45.4 68.2
119 32.4 25.6 38.4



#64
Tetrachloroethene
Concen: 41.437 ug/l
RT: 7.896 min Scan# 2132
Delta R.T. 0.000 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

Tgt Ion:164 Resp: 320555
Ion Ratio Lower Upper
164 100
166 127.5 101.6 152.4
129 99.5 78.5 117.7
131 95.7 76.8 115.2

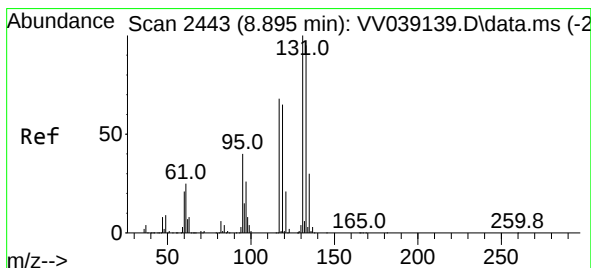
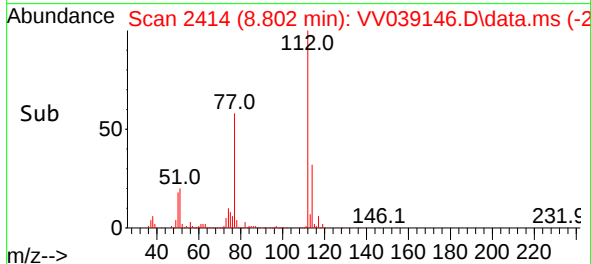
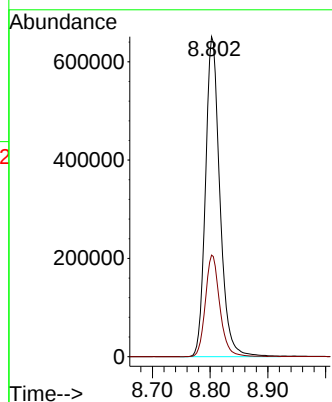
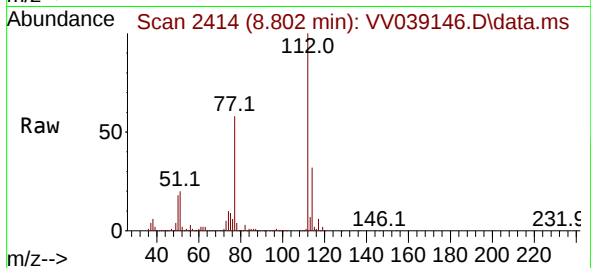




#65
Chlorobenzene
Concen: 43.836 ug/l
RT: 8.802 min Scan# 2414
Delta R.T. 0.000 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

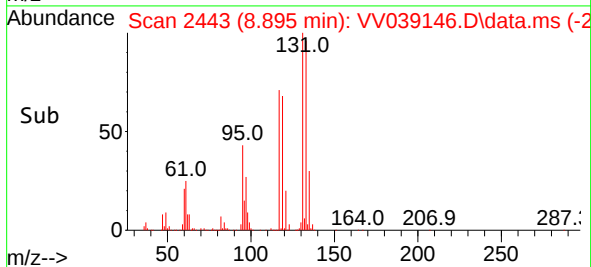
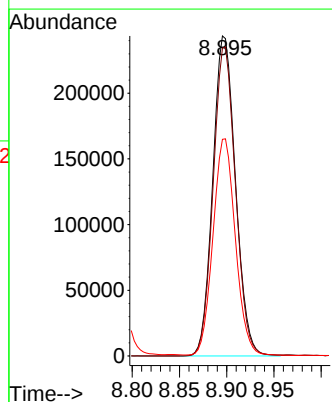
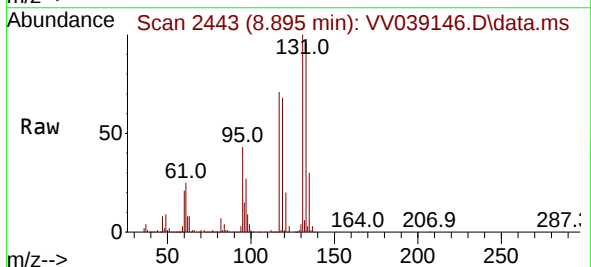
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

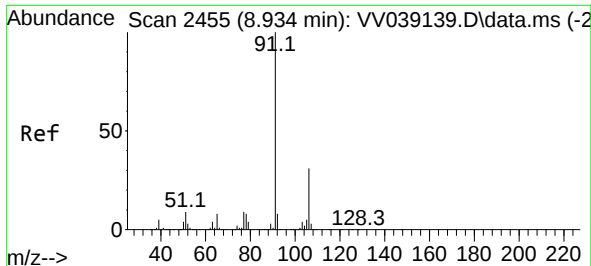
Tgt Ion:112 Resp: 1127747
Ion Ratio Lower Upper
112 100
114 31.7 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 43.830 ug/l
RT: 8.895 min Scan# 2443
Delta R.T. 0.000 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

Tgt Ion:131 Resp: 407431
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.8
119 66.7 33.3 99.8





#67

Ethyl Benzene

Concen: 47.374 ug/l

RT: 8.934 min Scan# 2455

Delta R.T. 0.000 min

Lab File: VV039146.D

Acq: 24 Sep 2025 10:49

Instrument :

MSVOA_V

ClientSampleId :

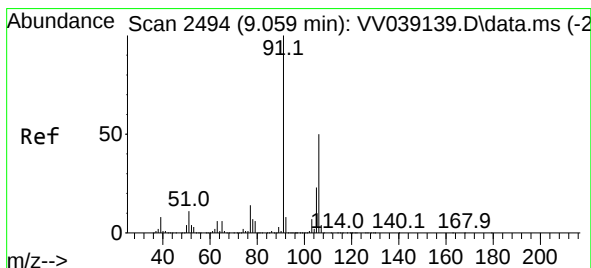
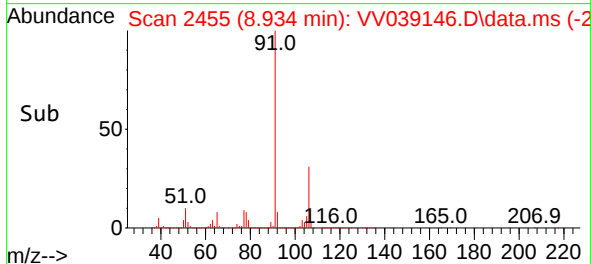
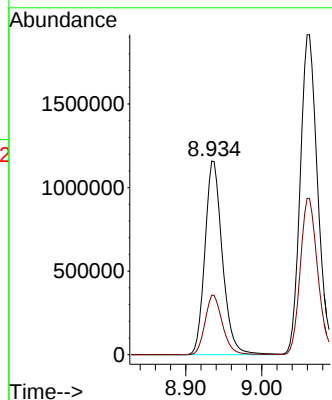
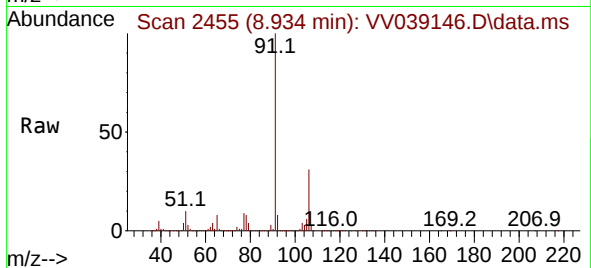
VSTDCCC050

Tgt Ion: 91 Resp: 1844871

Ion Ratio Lower Upper

91 100

106 30.8 24.6 37.0



#68

m/p-Xylenes

Concen: 99.991 ug/l

RT: 9.063 min Scan# 2495

Delta R.T. 0.004 min

Lab File: VV039146.D

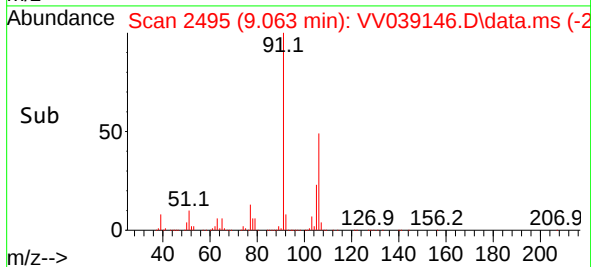
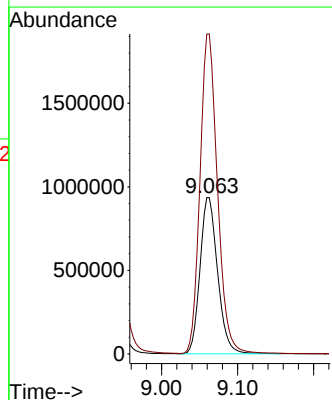
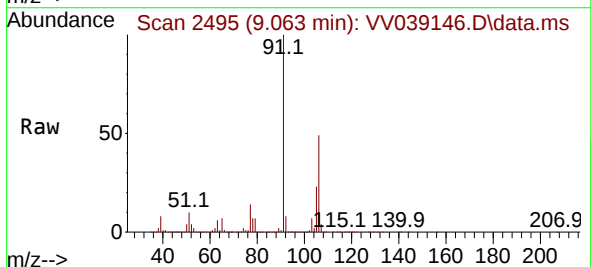
Acq: 24 Sep 2025 10:49

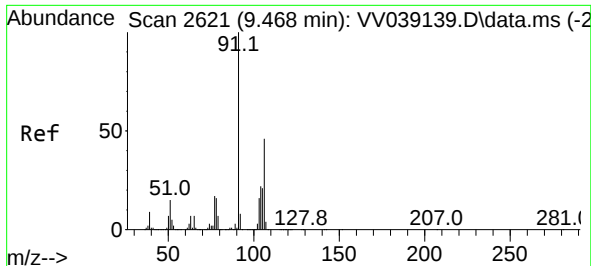
Tgt Ion:106 Resp: 1502908

Ion Ratio Lower Upper

106 100

91 203.4 162.5 243.7

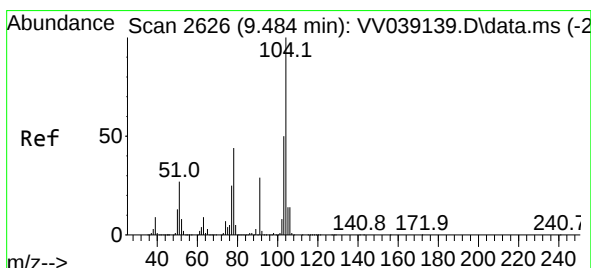
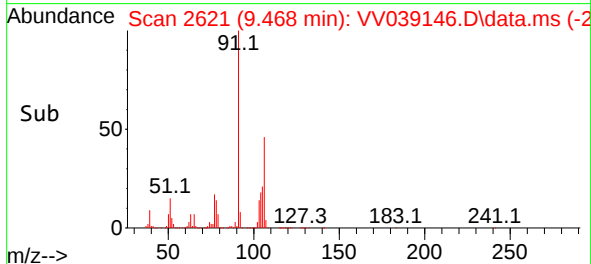
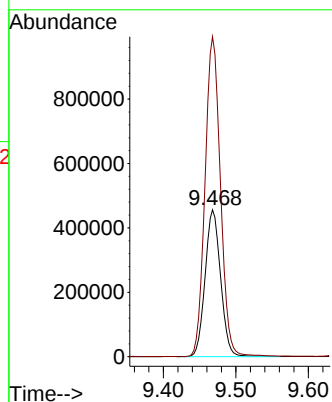
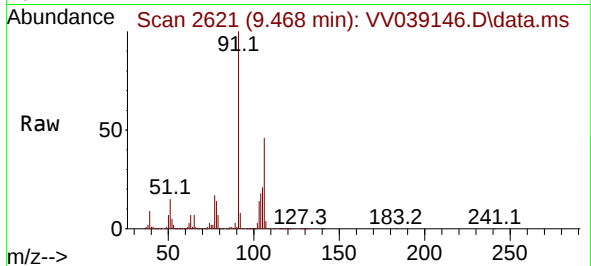




#69
o-Xylene
Concen: 50.825 ug/l
RT: 9.468 min Scan# 2621
Delta R.T. 0.000 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

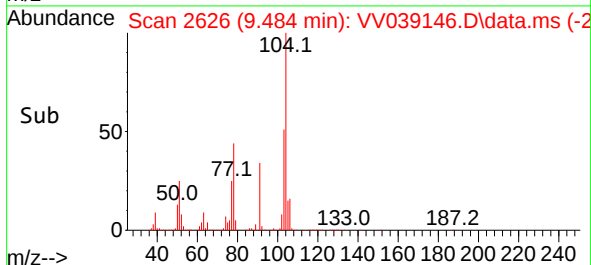
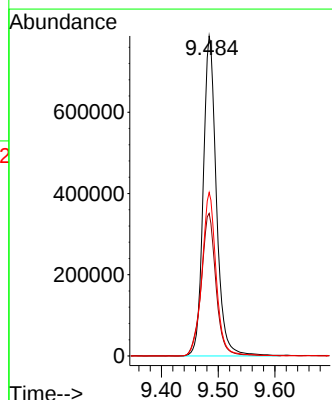
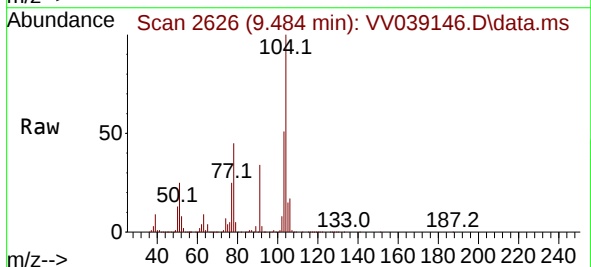
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

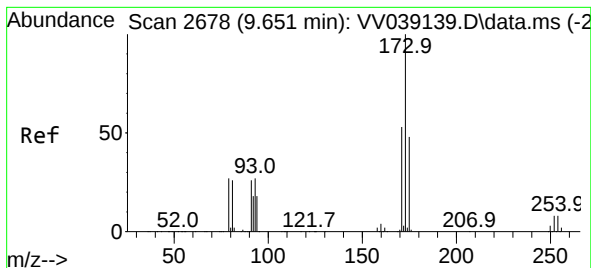
Tgt Ion:106 Resp: 676401
Ion Ratio Lower Upper
106 100
91 217.2 109.1 327.3



#70
Styrene
Concen: 45.393 ug/l
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

Tgt Ion:104 Resp: 1276348
Ion Ratio Lower Upper
104 100
78 49.5 39.8 59.6
103 55.1 43.4 65.2





#71

Bromoform

Concen: 48.038 ug/l

RT: 9.651 min Scan# 2

Delta R.T. 0.000 min

Lab File: VV039146.D

Acq: 24 Sep 2025 10:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC050

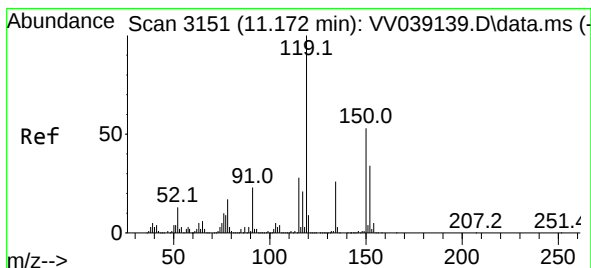
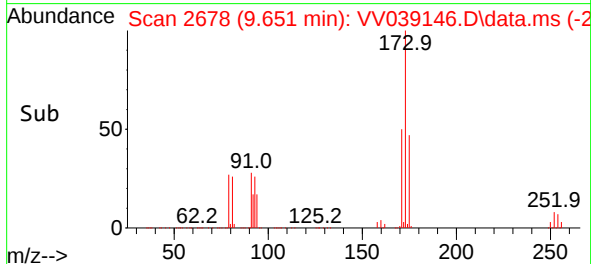
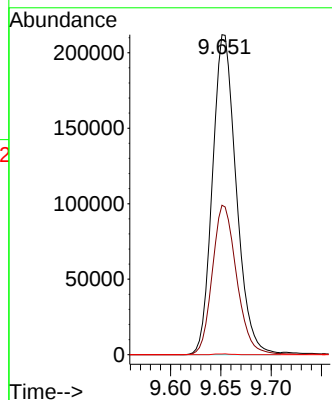
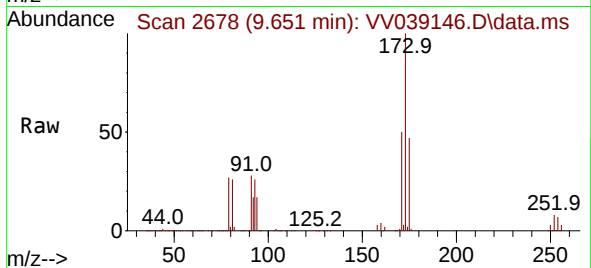
Tgt Ion:173 Resp: 348806

Ion Ratio Lower Upper

173 100

175 47.8 23.9 71.7

254 0.2 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.172 min Scan# 3151

Delta R.T. -0.000 min

Lab File: VV039146.D

Acq: 24 Sep 2025 10:49

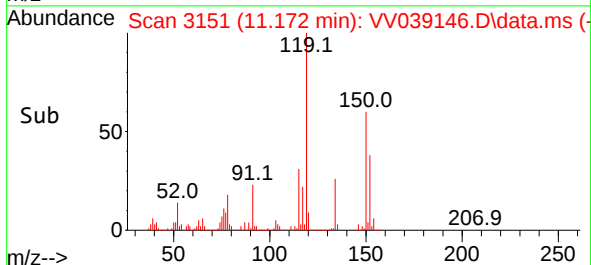
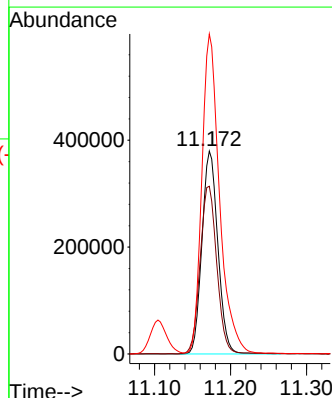
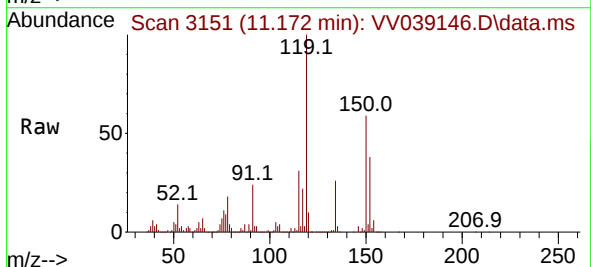
Tgt Ion:152 Resp: 551620

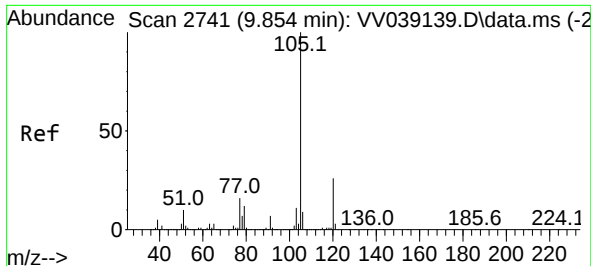
Ion Ratio Lower Upper

152 100

115 86.4 44.8 134.4

150 174.2 0.0 353.8

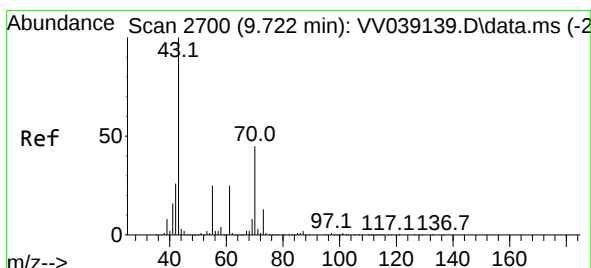
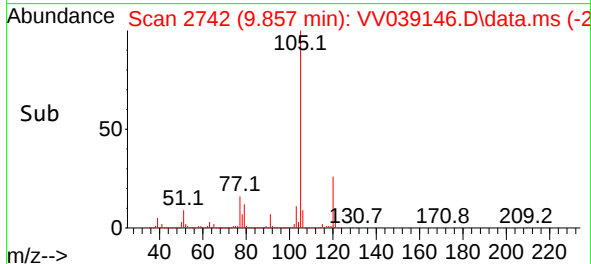
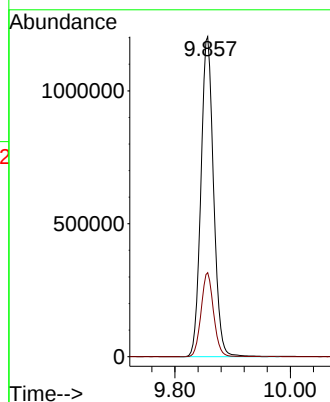
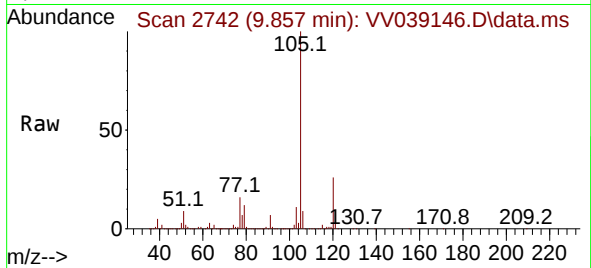




#73
Isopropylbenzene
Concen: 45.605 ug/l
RT: 9.857 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

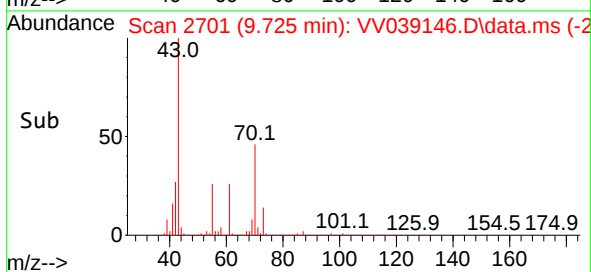
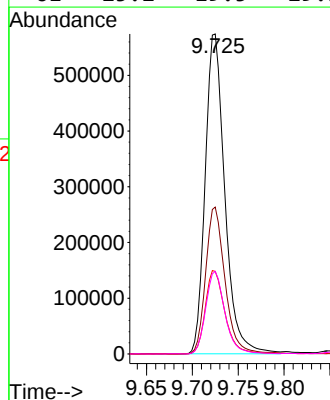
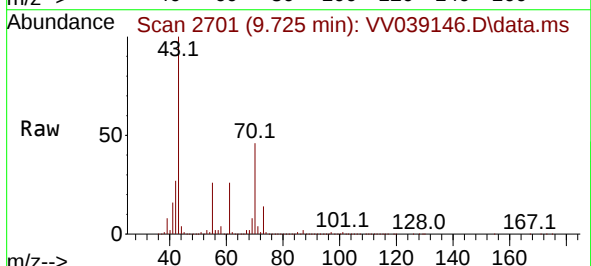
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

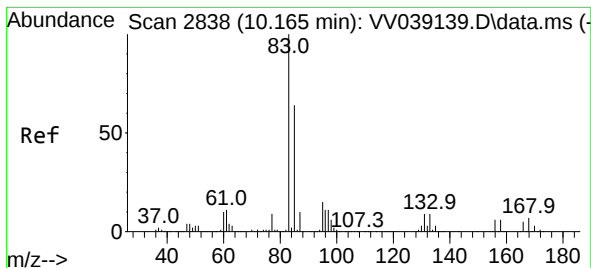
Tgt Ion:105 Resp: 1824633
Ion Ratio Lower Upper
105 100
120 25.9 13.1 39.1



#74
N-ethyl acetate
Concen: 53.563 ug/l
RT: 9.725 min Scan# 2701
Delta R.T. 0.003 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

Tgt Ion: 43 Resp: 854806
Ion Ratio Lower Upper
43 100
70 45.5 35.4 53.0
55 26.2 20.6 30.8
61 25.2 19.5 29.3

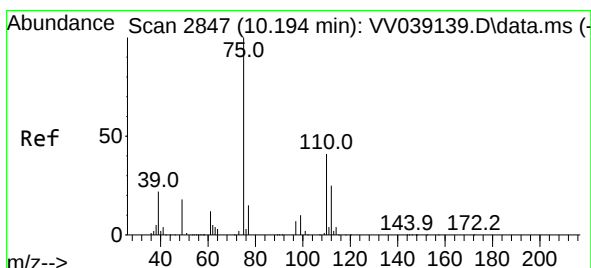
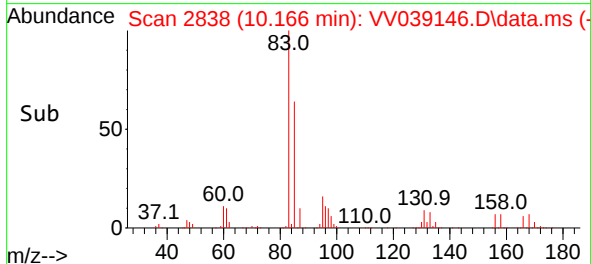
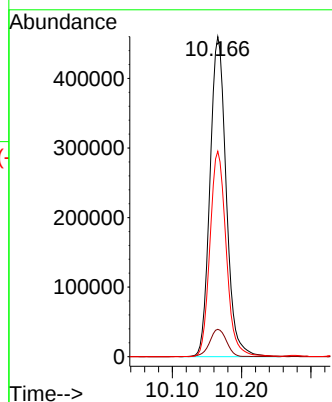
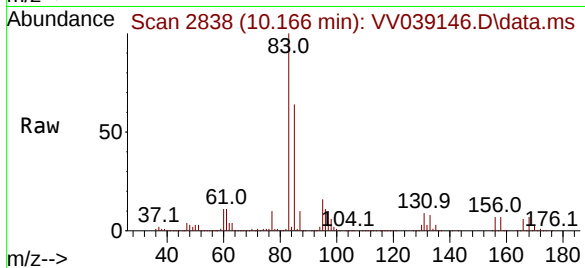




#75
 1,1,2,2-Tetrachloroethane
 Concen: 42.619 ug/l
 RT: 10.166 min Scan# 2838
 Delta R.T. 0.000 min
 Lab File: VV039146.D
 Acq: 24 Sep 2025 10:49

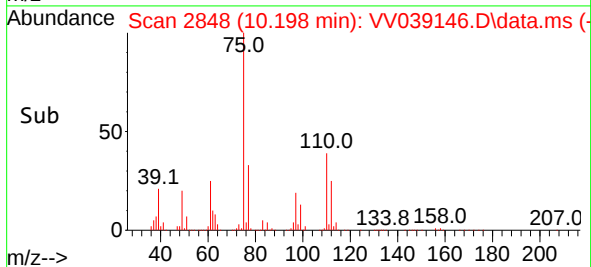
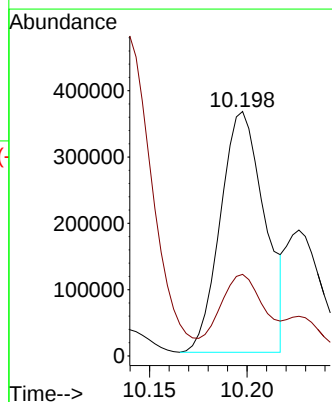
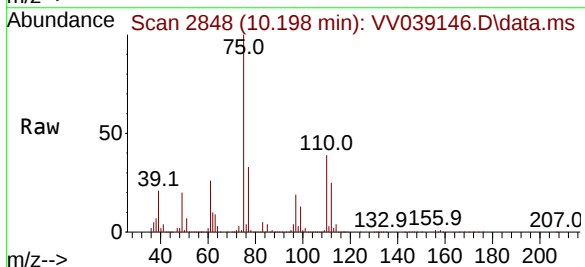
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050

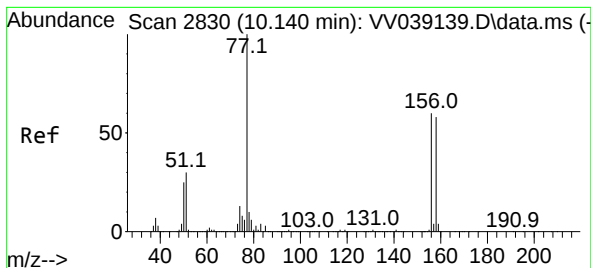
Tgt Ion: 83 Resp: 747109
 Ion Ratio Lower Upper
 83 100
 131 8.9 4.5 13.7
 85 64.3 31.9 95.9



#76
 1,2,3-Trichloropropane
 Concen: 45.809 ug/l
 RT: 10.198 min Scan# 2848
 Delta R.T. 0.003 min
 Lab File: VV039146.D
 Acq: 24 Sep 2025 10:49

Tgt Ion: 75 Resp: 575337
 Ion Ratio Lower Upper
 75 100
 77 23.4 11.3 33.8





#77

Bromobenzene

Concen: 44.372 ug/l

RT: 10.140 min Scan# 2830

Delta R.T. 0.000 min

Lab File: VV039146.D

Acq: 24 Sep 2025 10:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC050

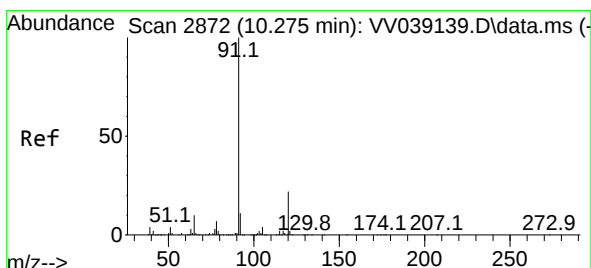
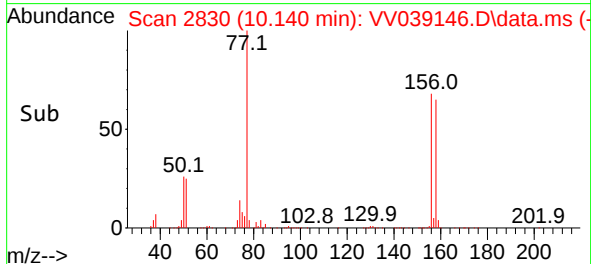
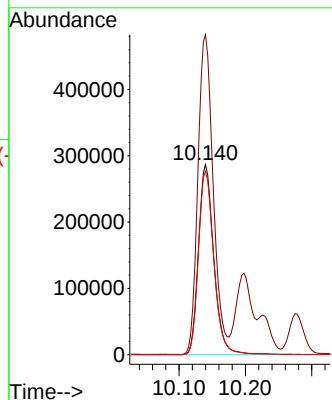
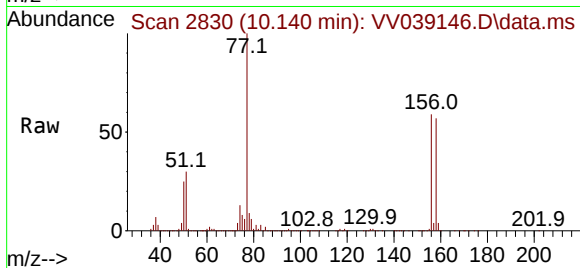
Tgt Ion:156 Resp: 460599

Ion Ratio Lower Upper

156 100

77 167.9 83.4 250.1

158 97.0 48.8 146.4



#78

n-propylbenzene

Concen: 46.182 ug/l

RT: 10.278 min Scan# 2873

Delta R.T. 0.003 min

Lab File: VV039146.D

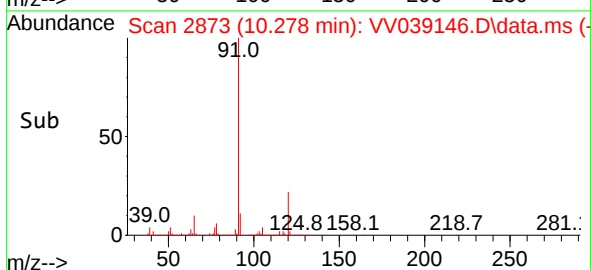
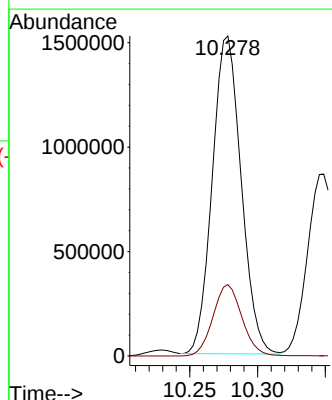
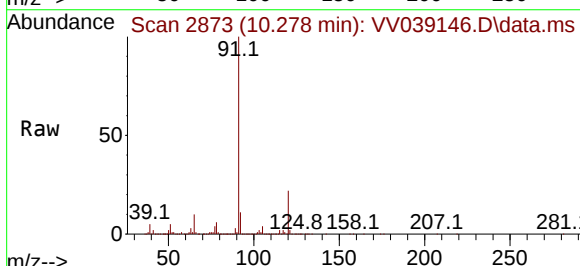
Acq: 24 Sep 2025 10:49

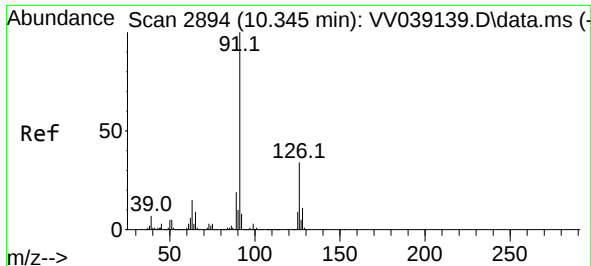
Tgt Ion: 91 Resp: 2250074

Ion Ratio Lower Upper

91 100

120 22.6 11.1 33.3

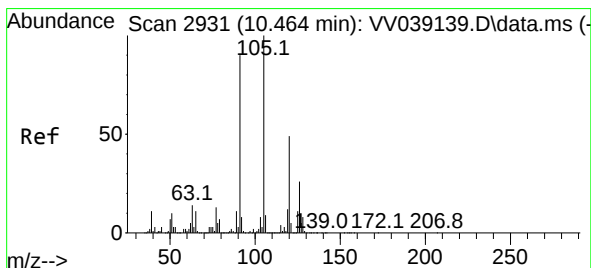
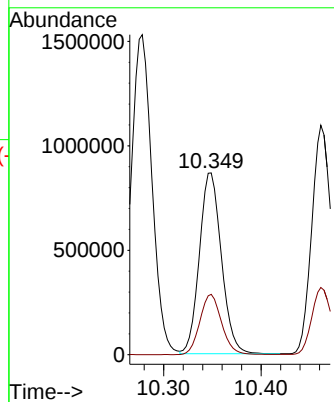
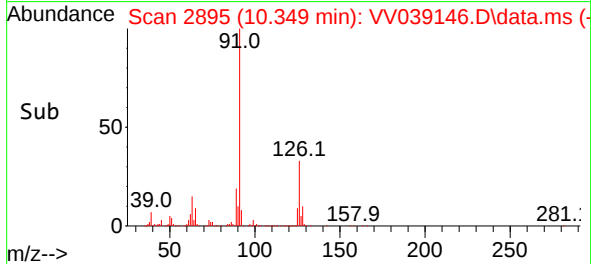
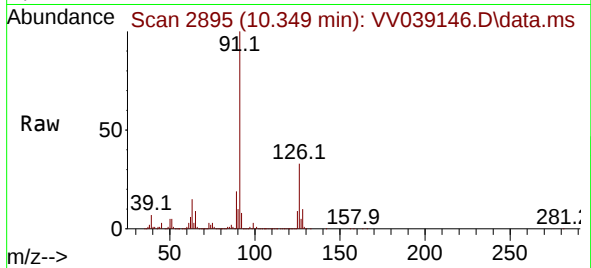




#79
2-Chlorotoluene
Concen: 46.591 ug/l
RT: 10.349 min Scan# 2895
Delta R.T. 0.003 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

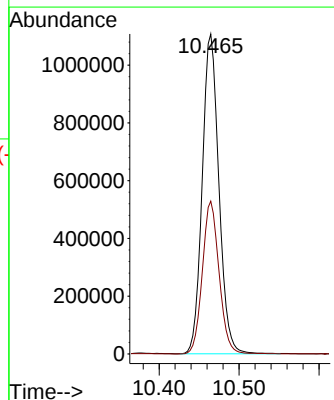
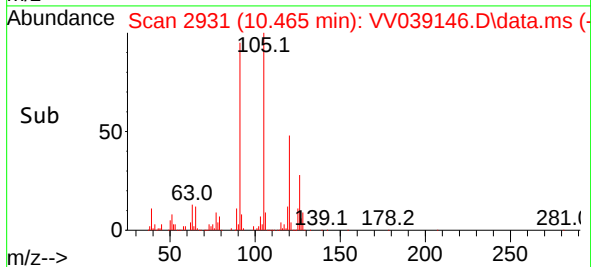
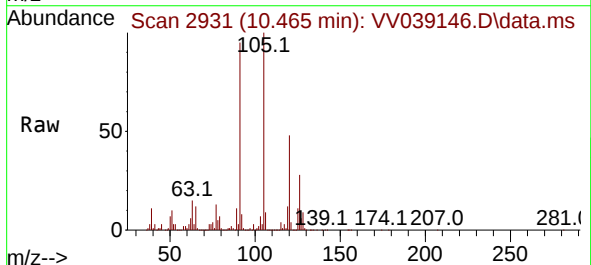
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

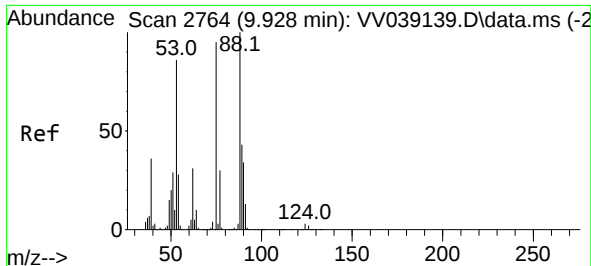
Tgt Ion: 91 Resp: 1358304
Ion Ratio Lower Upper
91 100
126 33.0 16.7 50.0



#80
1,3,5-Trimethylbenzene
Concen: 48.324 ug/l
RT: 10.465 min Scan# 2931
Delta R.T. 0.000 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

Tgt Ion: 105 Resp: 1607013
Ion Ratio Lower Upper
105 100
120 48.0 24.3 72.8

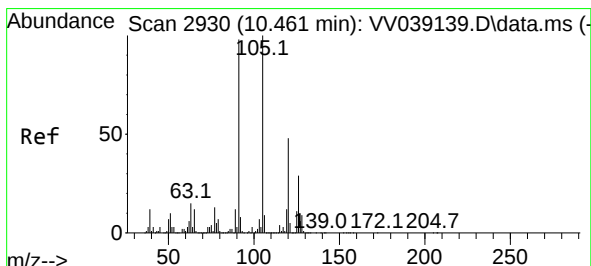
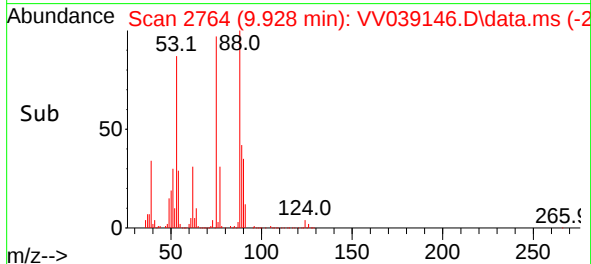
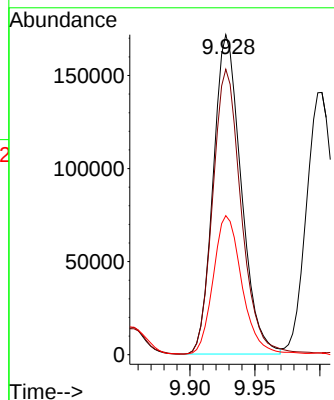
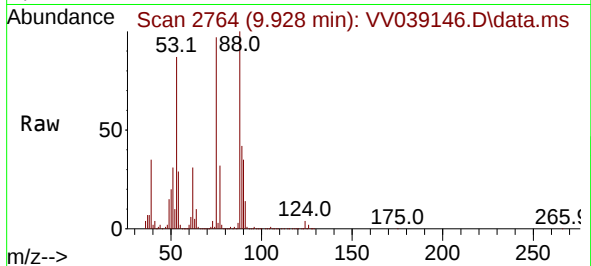




#81
trans-1,4-Dichloro-2-butene
Concen: 49.007 ug/l
RT: 9.928 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

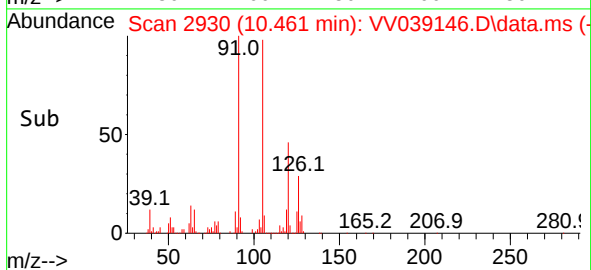
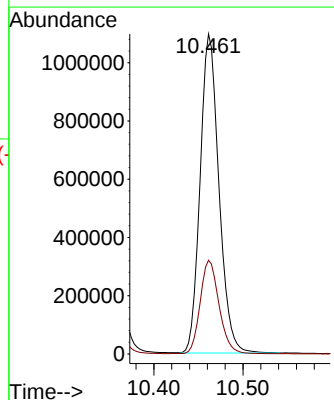
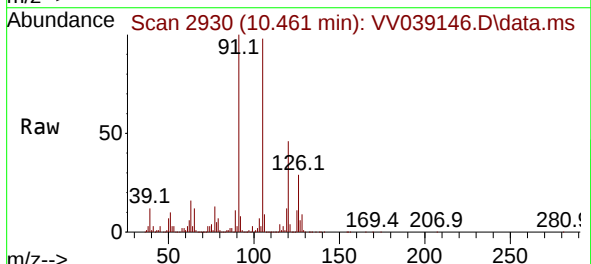
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

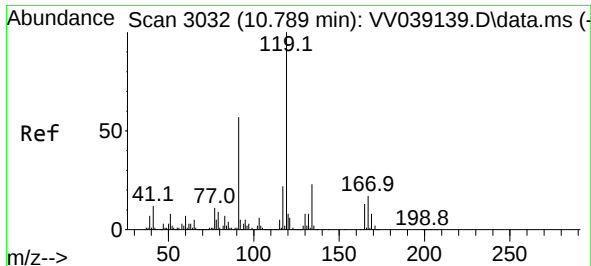
Tgt Ion: 75 Resp: 256388
Ion Ratio Lower Upper
75 100
53 90.8 72.5 108.7
89 44.4 37.2 55.8



#82
4-Chlorotoluene
Concen: 47.493 ug/l
RT: 10.461 min Scan# 2930
Delta R.T. 0.000 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

Tgt Ion: 91 Resp: 1605527
Ion Ratio Lower Upper
91 100
126 29.5 14.5 43.6

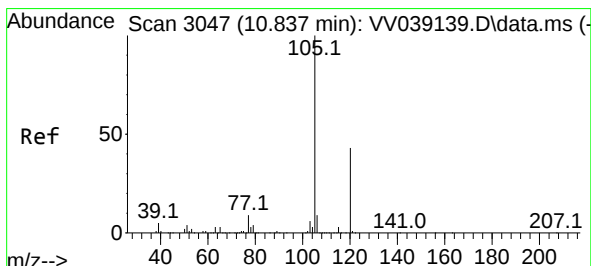
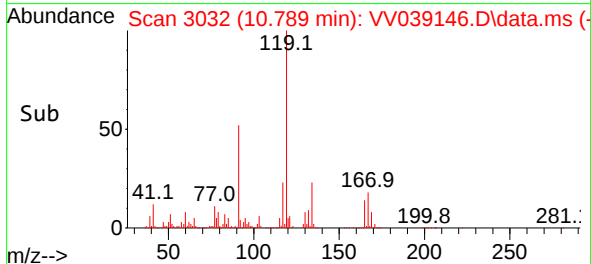
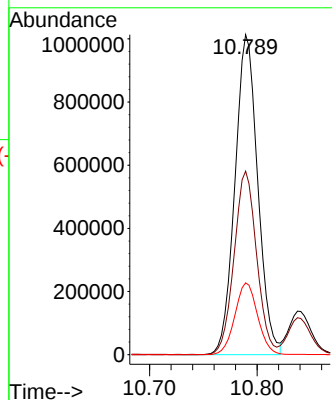
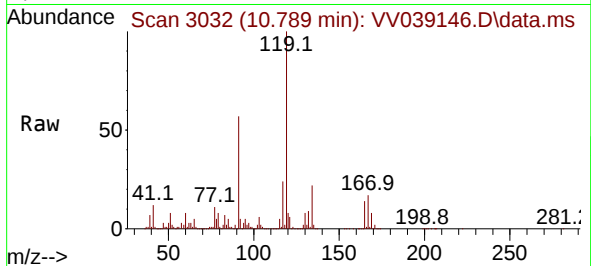




#83
 tert-Butylbenzene
 Concen: 45.168 ug/l
 RT: 10.789 min Scan# 3032
 Delta R.T. 0.000 min
 Lab File: VV039146.D
 Acq: 24 Sep 2025 10:49

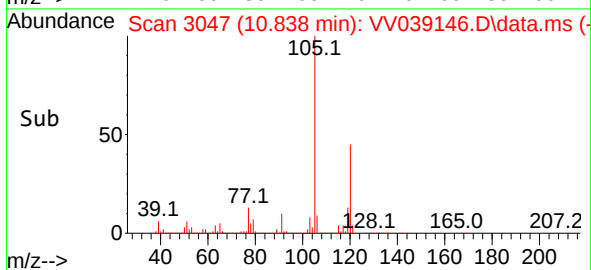
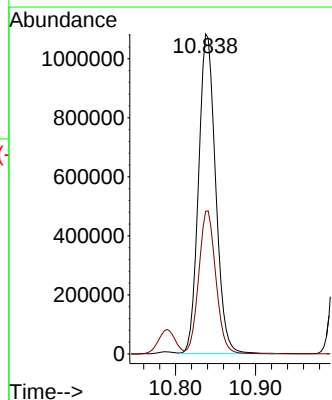
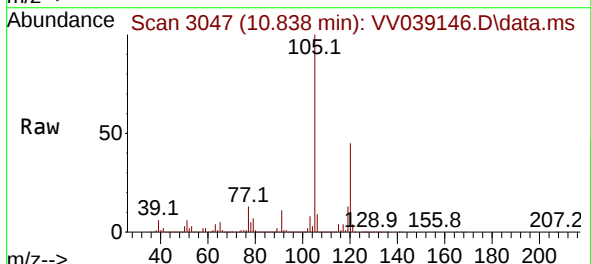
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050

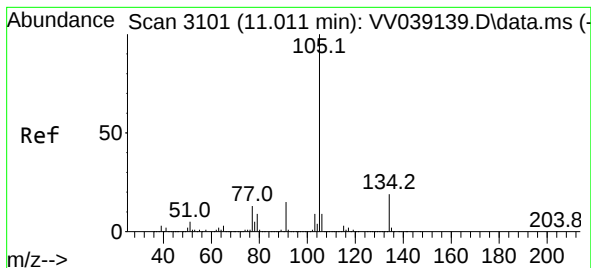
Tgt Ion:119 Resp: 1497786
 Ion Ratio Lower Upper
 119 100
 91 56.5 28.5 85.6
 134 22.4 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 49.826 ug/l
 RT: 10.838 min Scan# 3047
 Delta R.T. 0.000 min
 Lab File: VV039146.D
 Acq: 24 Sep 2025 10:49

Tgt Ion:105 Resp: 1608644
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.4 67.2





#85

sec-Butylbenzene

Concen: 44.737 ug/l

RT: 11.011 min Scan# 3101

Delta R.T. 0.000 min

Lab File: VV039146.D

Acq: 24 Sep 2025 10:49

Instrument :

MSVOA_V

ClientSampleId :

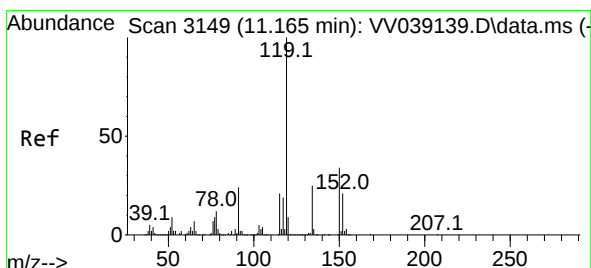
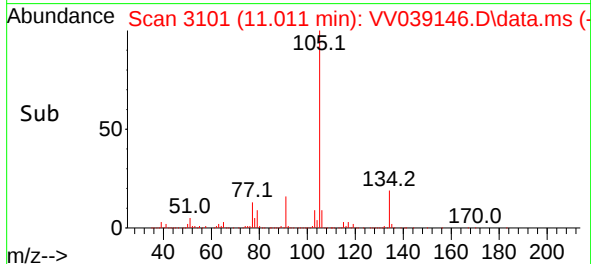
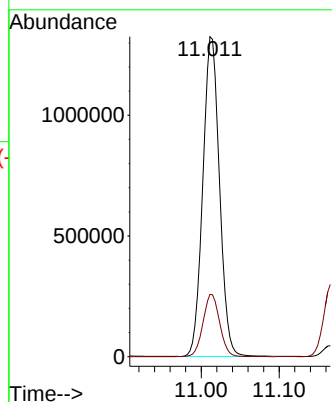
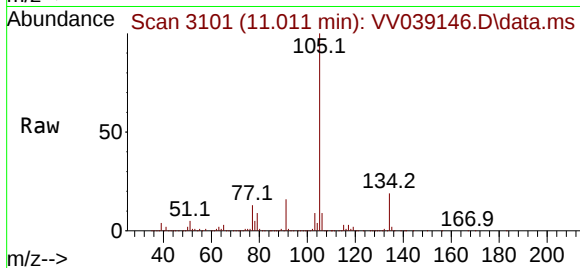
VSTDCCC050

Tgt Ion:105 Resp: 1967674

Ion Ratio Lower Upper

105 100

134 19.5 9.6 28.8



#86

p-Isopropyltoluene

Concen: 45.825 ug/l

RT: 11.165 min Scan# 3149

Delta R.T. 0.000 min

Lab File: VV039146.D

Acq: 24 Sep 2025 10:49

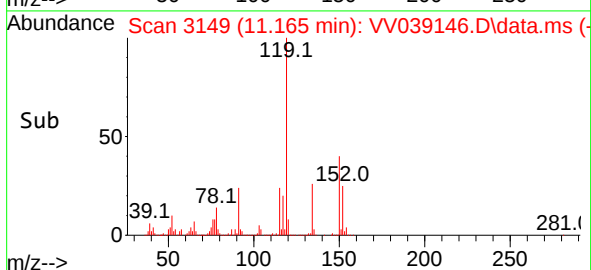
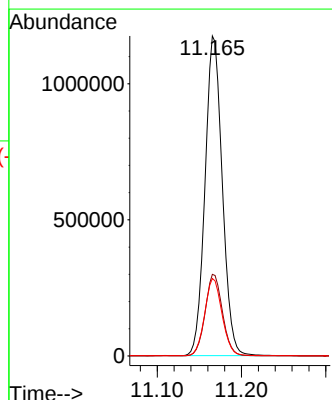
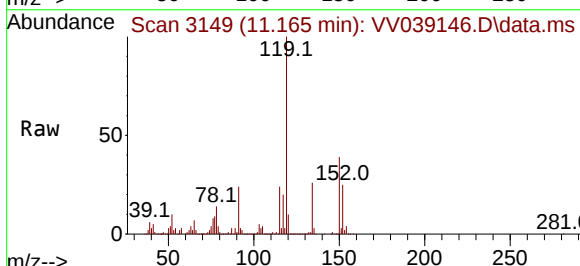
Tgt Ion:119 Resp: 1677532

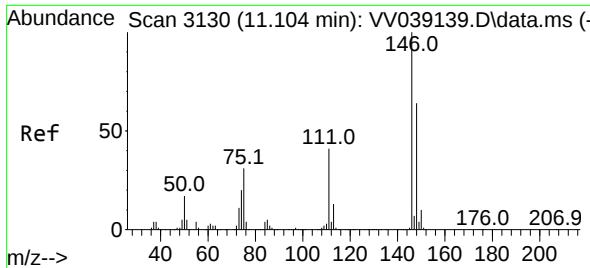
Ion Ratio Lower Upper

119 100

134 25.5 12.7 38.0

91 24.2 12.0 36.1

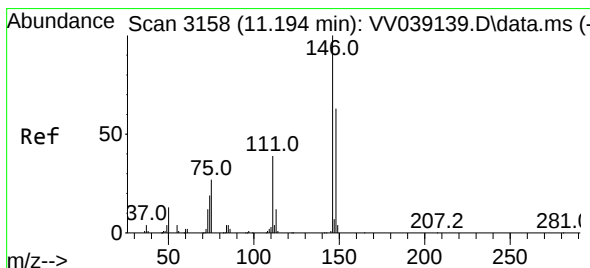
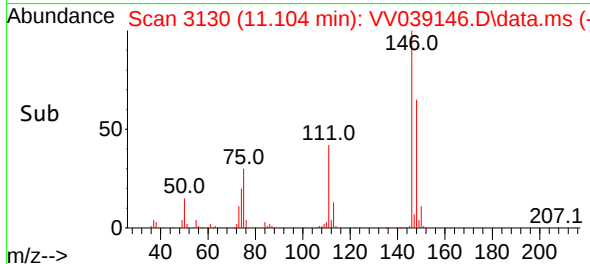
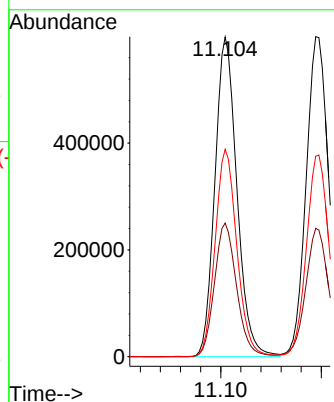
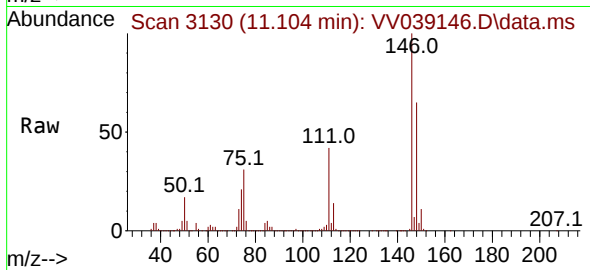




#87
 1,3-Dichlorobenzene
 Concen: 43.299 ug/l
 RT: 11.104 min Scan# 3130
 Delta R.T. 0.000 min
 Lab File: VV039146.D
 Acq: 24 Sep 2025 10:49

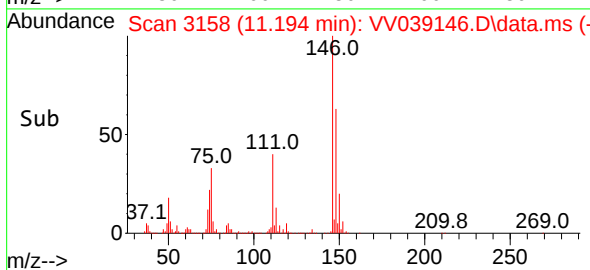
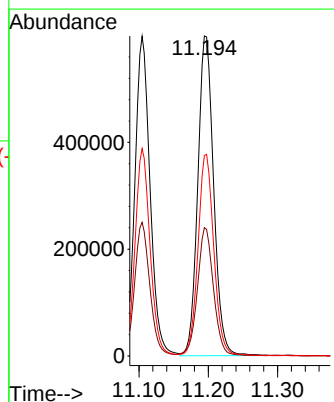
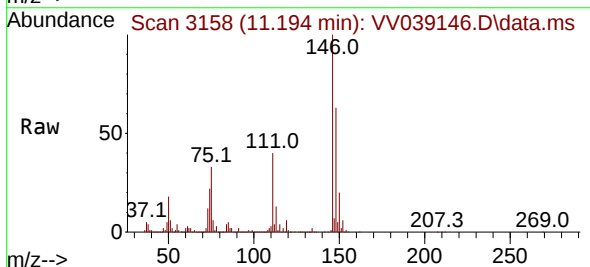
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050

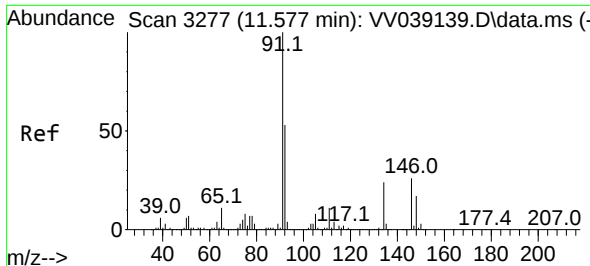
Tgt Ion:146 Resp: 909637
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.9 62.8
 148 64.3 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 41.416 ug/l
 RT: 11.194 min Scan# 3158
 Delta R.T. 0.000 min
 Lab File: VV039146.D
 Acq: 24 Sep 2025 10:49

Tgt Ion:146 Resp: 954565
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.3 60.8
 148 62.6 31.4 94.2

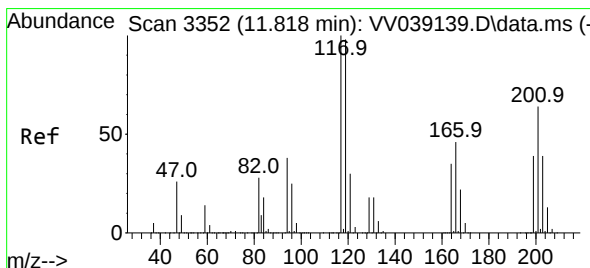
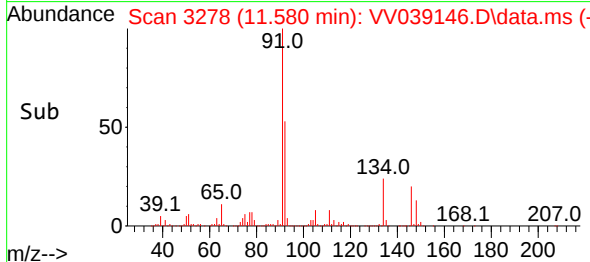
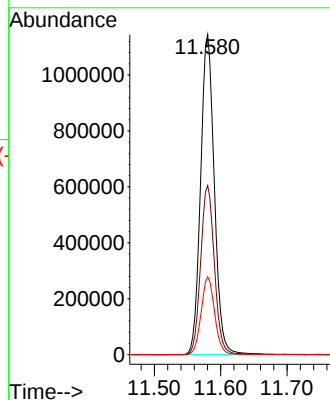
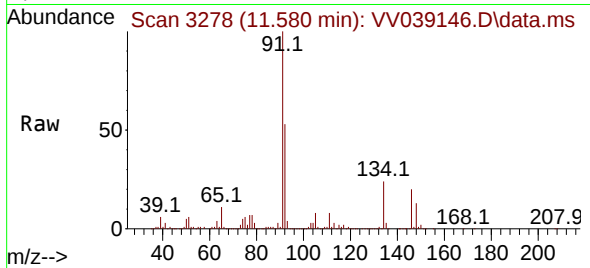




#89
n-Butylbenzene
Concen: 47.058 ug/l
RT: 11.580 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

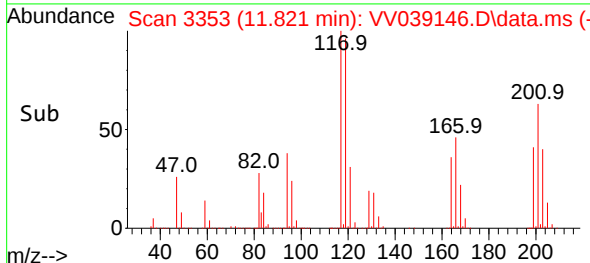
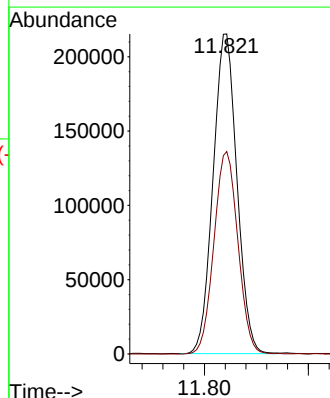
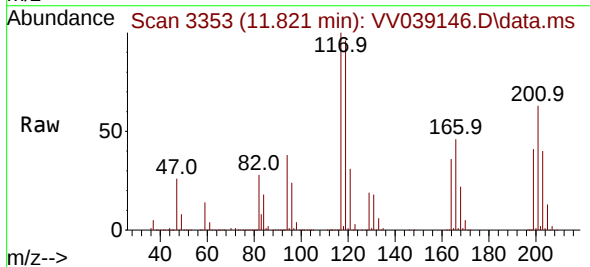
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

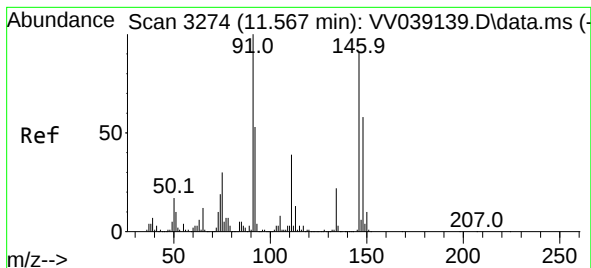
Tgt Ion: 91 Resp: 1645246
Ion Ratio Lower Upper
91 100
92 53.0 26.6 79.8
134 24.1 12.1 36.3



#90
Hexachloroethane
Concen: 38.060 ug/l
RT: 11.821 min Scan# 3353
Delta R.T. 0.003 min
Lab File: VV039146.D
Acq: 24 Sep 2025 10:49

Tgt Ion: 117 Resp: 343097
Ion Ratio Lower Upper
117 100
201 63.5 32.3 96.8





#91

1,2-Dichlorobenzene

Concen: 43.962 ug/l

RT: 11.567 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV039146.D

Acq: 24 Sep 2025 10:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC050

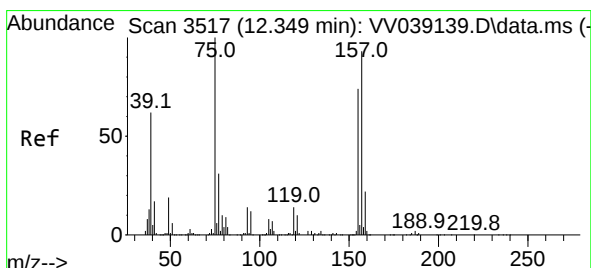
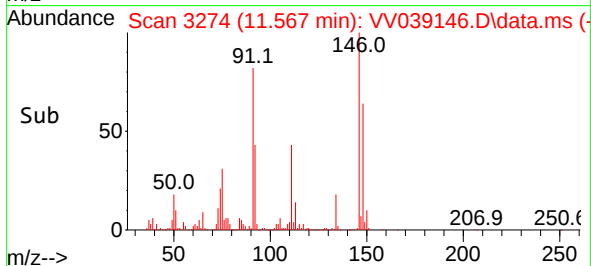
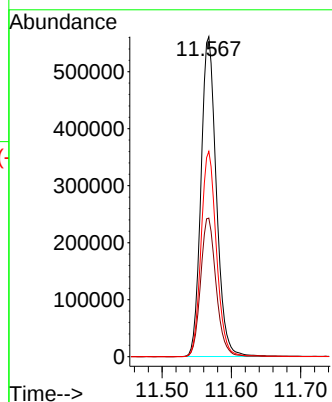
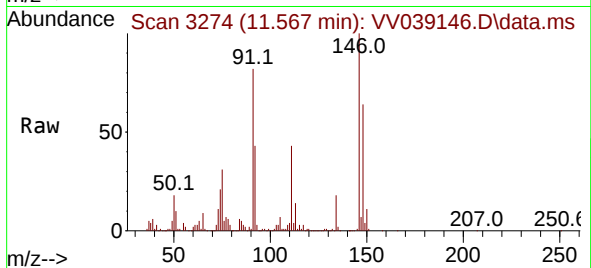
Tgt Ion:146 Resp: 862856

Ion Ratio Lower Upper

146 100

111 43.8 21.5 64.5

148 64.5 31.9 95.7



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.345 ug/l

RT: 12.349 min Scan# 3517

Delta R.T. -0.000 min

Lab File: VV039146.D

Acq: 24 Sep 2025 10:49

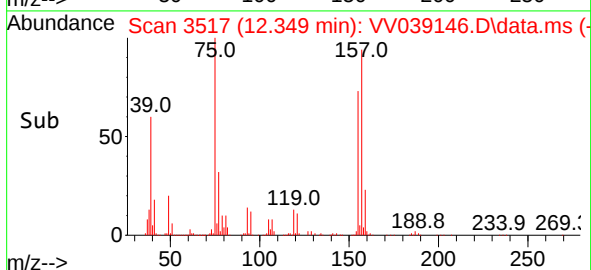
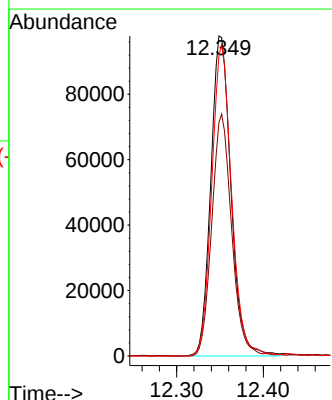
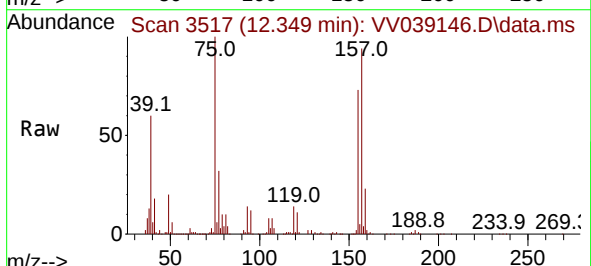
Tgt Ion: 75 Resp: 158828

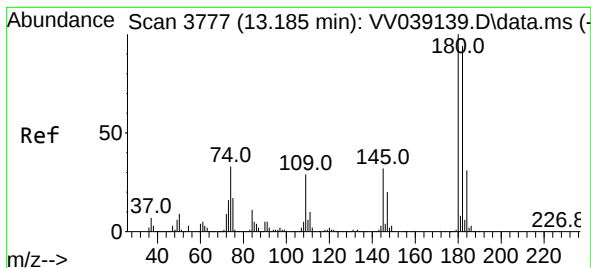
Ion Ratio Lower Upper

75 100

155 74.3 38.6 115.8

157 95.6 49.5 148.3





#93

1,2,4-Trichlorobenzene

Concen: 46.468 ug/l

RT: 13.185 min Scan# 3777

Delta R.T. -0.000 min

Lab File: VV039146.D

Acq: 24 Sep 2025 10:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC050

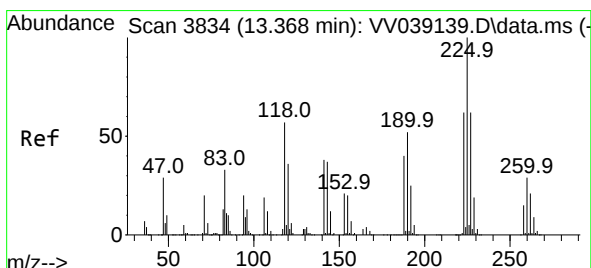
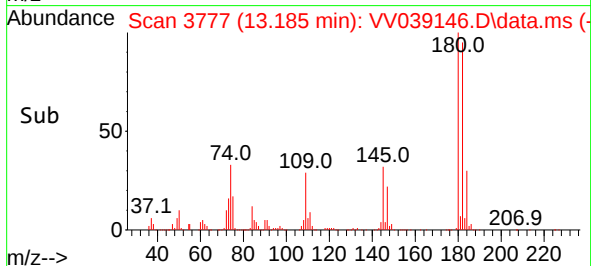
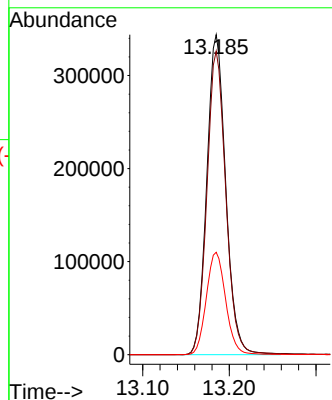
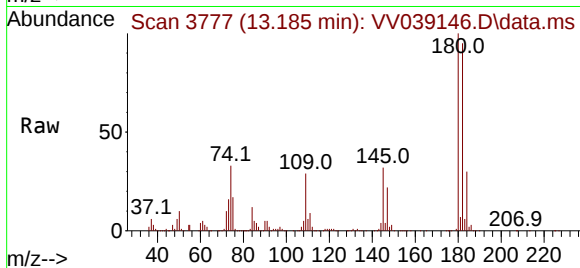
Tgt Ion:180 Resp: 522821

Ion Ratio Lower Upper

180 100

182 94.7 47.1 141.4

145 32.7 16.3 48.8



#94

Hexachlorobutadiene

Concen: 38.367 ug/l

RT: 13.368 min Scan# 3834

Delta R.T. -0.000 min

Lab File: VV039146.D

Acq: 24 Sep 2025 10:49

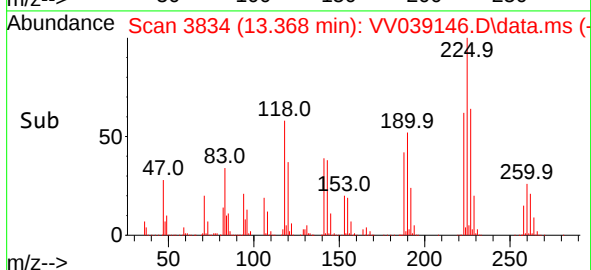
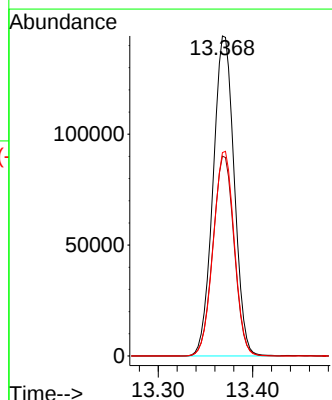
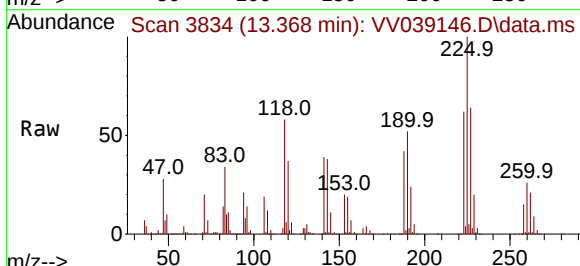
Tgt Ion:225 Resp: 224298

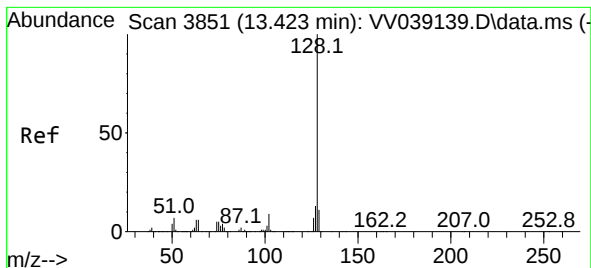
Ion Ratio Lower Upper

225 100

223 62.5 31.6 94.7

227 63.5 31.8 95.4





#95

Naphthalene

Concen: 53.919 ug/l

RT: 13.426 min Scan# 3851

Delta R.T. 0.003 min

Lab File: VV039146.D

Acq: 24 Sep 2025 10:49

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC050

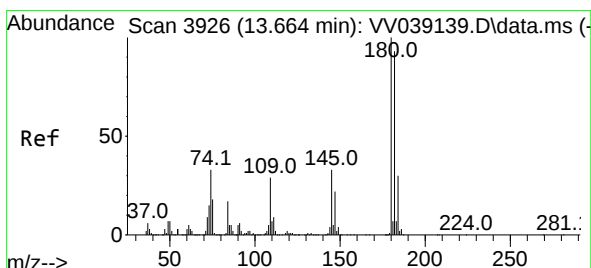
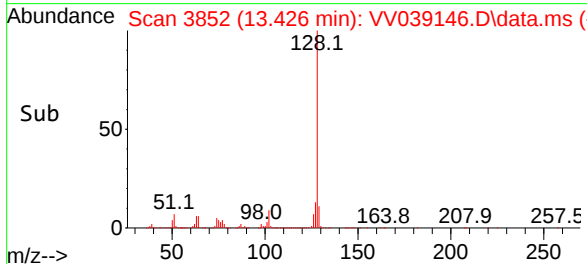
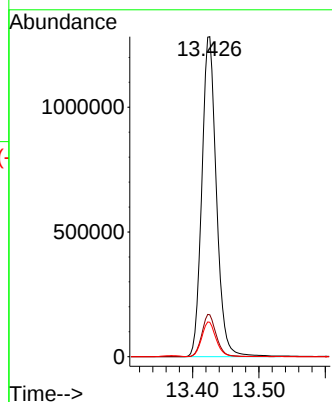
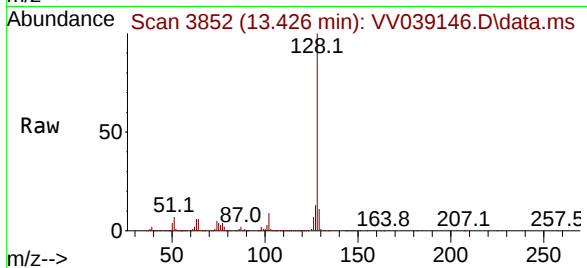
Tgt Ion:128 Resp: 1960806

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 10.6 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 47.956 ug/l

RT: 13.667 min Scan# 3927

Delta R.T. 0.003 min

Lab File: VV039146.D

Acq: 24 Sep 2025 10:49

Tgt Ion:180 Resp: 551841

Ion Ratio Lower Upper

180 100

182 93.1 46.9 140.8

145 35.0 17.0 51.0

