

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082525\
 Data File : VV039022.D
 Acq On : 25 Aug 2025 10:08
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICC005

Quant Time: Aug 26 02:12:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082525W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 26 02:10:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.596	168	489873	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	848885	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	791718	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	398135	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.953	65	36979	5.234	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	10.460%#
35) Dibromofluoromethane	4.506	113	31670	5.181	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	10.360%#
50) Toluene-d8	7.243	98	109577	5.062	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	10.120%#
62) 4-Bromofluorobenzene	10.005	95	38458	4.849	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	9.700%#

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.121	85	33508	5.108	ug/l	99
3) Chloromethane	1.227	50	35126	5.025	ug/l	96
4) Vinyl Chloride	1.294	62	43525	5.339	ug/l	99
5) Bromomethane	1.491	94	20966	5.118	ug/l	99
6) Chloroethane	1.558	64	27564	5.718	ug/l	96
7) Trichlorofluoromethane	1.722	101	59642	5.082	ug/l	97
8) Diethyl Ether	1.918	74	22521	5.059	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.079	101	35324	4.997	ug/l	95
10) Methyl Iodide	2.195	142	21333	8.070	ug/l	99
11) Tert butyl alcohol	2.568	59	27542	21.715	ug/l #	87
12) 1,1-Dichloroethene	2.079	96	35061	5.180	ug/l	98
13) Acrolein	2.008	56	31325	54.702	ug/l	100
14) Allyl chloride	2.355	41	57339	5.382	ug/l	99
15) Acrylonitrile	2.680	53	89921	23.773	ug/l	95
16) Acetone	2.118	43	112691	25.253	ug/l	97
17) Carbon Disulfide	2.249	76	93655	4.984	ug/l	98
18) Methyl Acetate	2.388	43	42947	4.940	ug/l	97
19) Methyl tert-butyl Ether	2.709	73	95116	4.769	ug/l	100
20) Methylene Chloride	2.455	84	35618	4.888	ug/l	93
21) trans-1,2-Dichloroethene	2.703	96	33301	4.909	ug/l	92
22) Diisopropyl ether	3.211	45	89398	4.611	ug/l #	31
23) Vinyl Acetate	3.195	43	367274	23.103	ug/l	98
24) 1,1-Dichloroethane	3.117	63	60684	4.996	ug/l	99
25) 2-Butanone	3.883	43	105673	21.526	ug/l	98
26) 2,2-Dichloropropane	3.809	77	51396	4.923	ug/l	99
27) cis-1,2-Dichloroethene	3.828	96	36940	4.913	ug/l	97
28) Bromochloromethane	4.153	49	20744	5.836	ug/l	92
29) Tetrahydrofuran	4.246	42	64700	21.386	ug/l	99
30) Chloroform	4.281	83	64018	5.067	ug/l	96
31) Cyclohexane	4.587	56	57906	5.391	ug/l #	81
32) 1,1,1-Trichloroethane	4.513	97	56552	5.086	ug/l	97
36) 1,1-Dichloropropene	4.751	75	35750	4.351	ug/l	95
37) Ethyl Acetate	3.995	43	38495	3.992	ug/l #	86
38) Carbon Tetrachloride	4.735	117	49292	5.010	ug/l	98
39) Methylcyclohexane	6.043	83	47791	4.531	ug/l	90
40) Benzene	5.014	78	127403	4.852	ug/l	99

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 ClientSampleId :
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 Quant Title : SW846 8260
 QLast Update : Tue Aug 26 02:10:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.191	41	11799	4.057	ug/l #	80
42) 1,2-Dichloroethane	5.050	62	43250	4.724	ug/l	96
43) Isopropyl Acetate	5.204	43	59126	4.308	ug/l	99
44) Trichloroethene	5.844	130	33388	5.064	ug/l	95
45) 1,2-Dichloropropane	6.095	63	30570	4.580	ug/l	100
46) Dibromomethane	6.236	93	24151	4.771	ug/l	96
47) Bromodichloromethane	6.432	83	50542	4.846	ug/l	95
48) Methyl methacrylate	6.313	41	20024	2.990	ug/l #	77
49) 1,4-Dioxane	6.307	88	6987	61.642	ug/l	94
51) 4-Methyl-2-Pentanone	7.149	43	210821	21.656	ug/l	98
52) Toluene	7.313	92	78804	4.706	ug/l	99
53) t-1,3-Dichloropropene	7.584	75	45929	4.587	ug/l	96
54) cis-1,3-Dichloropropene	6.957	75	49811	4.631	ug/l	98
55) 1,1,2-Trichloroethane	7.764	97	34019	4.869	ug/l	97
56) Ethyl methacrylate	7.725	69	37386	4.034	ug/l	98
57) 1,3-Dichloropropane	7.940	76	54927	4.870	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.818	63	77483	20.601	ug/l	99
59) 2-Hexanone	8.069	43	145234	20.169	ug/l	98
60) Dibromochloromethane	8.169	129	38320	4.741	ug/l	100
61) 1,2-Dibromoethane	8.278	107	33724	4.677	ug/l	98
64) Tetrachloroethene	7.902	164	27588	4.902	ug/l	96
65) Chlorobenzene	8.809	112	94431	4.985	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.899	131	32659	4.938	ug/l	98
67) Ethyl Benzene	8.940	91	136595	4.557	ug/l	98
68) m/p-Xylenes	9.066	106	101356	8.795	ug/l	98
69) o-Xylene	9.471	106	48635	4.609	ug/l	99
70) Styrene	9.493	104	80510	4.331	ug/l	98
71) Bromoform	9.657	173	25962	4.854	ug/l #	97
73) Isopropylbenzene	9.857	105	128418	4.602	ug/l	99
74) N-amyl acetate	9.731	43	45411	3.960	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.169	83	54975	5.001	ug/l	98
76) 1,2,3-Trichloropropane	9.937	75	15374	1.967	ug/l	88
77) Bromobenzene	10.149	156	34275	4.958	ug/l	94
78) n-propylbenzene	10.278	91	146989	4.463	ug/l	97
79) 2-Chlorotoluene	10.352	91	93119	4.588	ug/l	96
80) 1,3,5-Trimethylbenzene	10.468	105	103040	4.500	ug/l	96
81) trans-1,4-Dichloro-2-b...	9.937	75	15375	4.326	ug/l	95
82) 4-Chlorotoluene	10.468	91	107387	4.651	ug/l	99
83) tert-Butylbenzene	10.789	119	111489	4.786	ug/l	97
84) 1,2,4-Trimethylbenzene	10.844	105	98770	4.408	ug/l	100
85) sec-Butylbenzene	11.014	105	139656	4.558	ug/l	99
86) p-Isopropyltoluene	11.169	119	119168	4.665	ug/l	99
87) 1,3-Dichlorobenzene	11.111	146	67862	4.911	ug/l	99
88) 1,4-Dichlorobenzene	11.198	146	74392	4.997	ug/l	97
89) n-Butylbenzene	11.583	91	109434	4.441	ug/l	99
90) Hexachloroethane	11.821	117	28311	4.961	ug/l	92
91) 1,2-Dichlorobenzene	11.574	146	67495	5.036	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.358	75	11436	4.790	ug/l	97
93) 1,2,4-Trichlorobenzene	13.191	180	34662	4.463	ug/l	95
94) Hexachlorobutadiene	13.371	225	18458	5.083	ug/l	96
95) Naphthalene	13.429	128	109369	4.061	ug/l	100
96) 1,2,3-Trichlorobenzene	13.670	180	35601	4.524	ug/l	95

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ALS Vial : 3 Sample Multiplier: 1

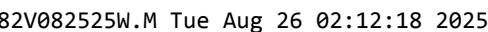
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MSVOA_V
ClientSampleId :
VSTDICC005

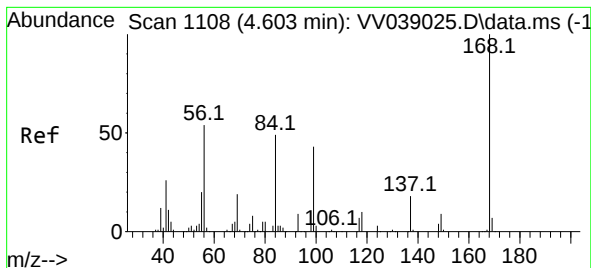
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Quant Title : SW846 8260
QLast Update : Tue Aug 26 02:10:43 2025
Response via : Initial Calibration

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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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082525W.M
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.596 min Scan# 1106

Delta R.T. -0.006 min

Lab File: VV039022.D

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Instrument :

MSVOA_V

ClientSampleId :

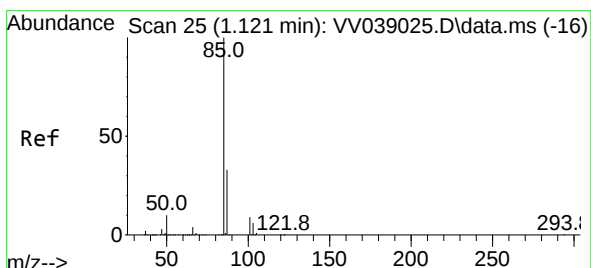
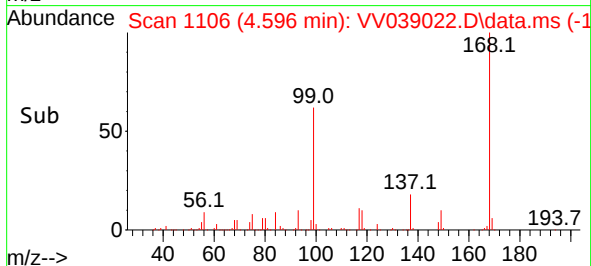
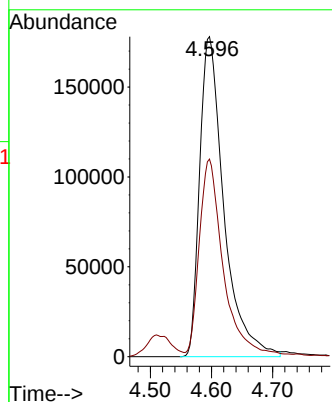
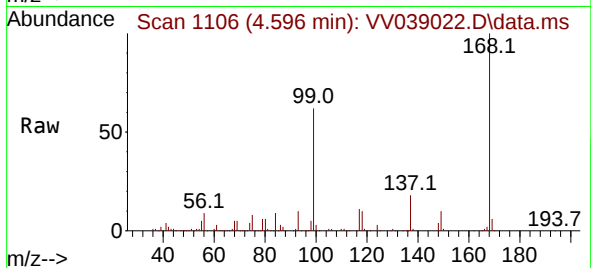
VSTDIC005

Tgt Ion:168 Resp: 489873

Ion Ratio Lower Upper

168 100

99 60.8 47.8 71.8



#2

Dichlorodifluoromethane

Concen: 5.108 ug/l

RT: 1.121 min Scan# 25

Delta R.T. 0.000 min

Lab File: VV039022.D

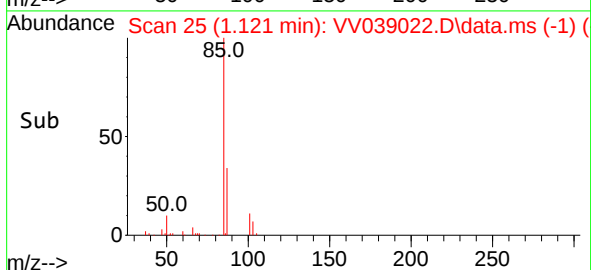
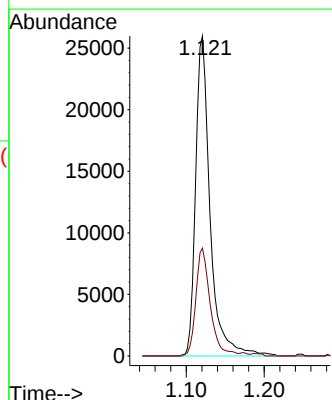
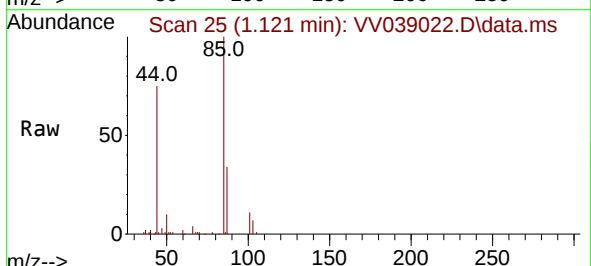
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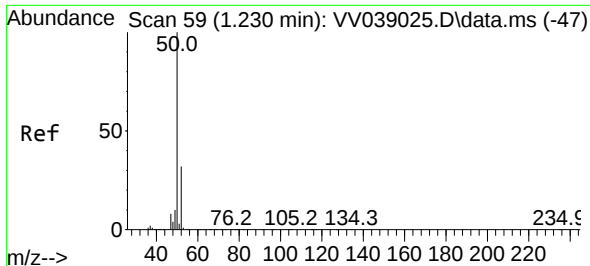
Tgt Ion: 85 Resp: 33508

Ion Ratio Lower Upper

85 100

87 33.7 16.6 49.8

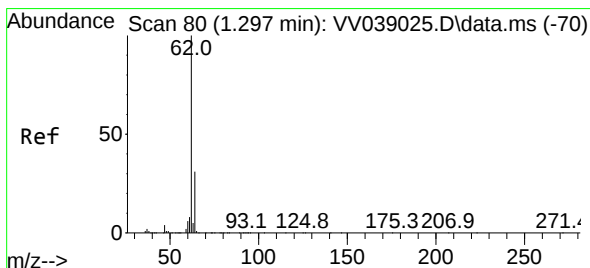
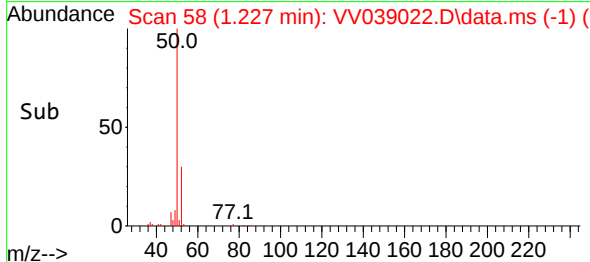
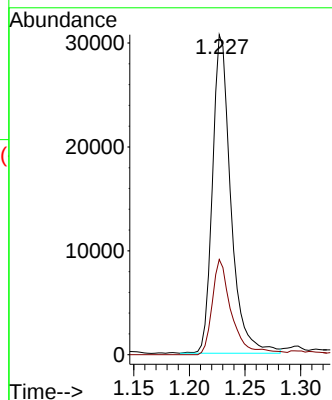
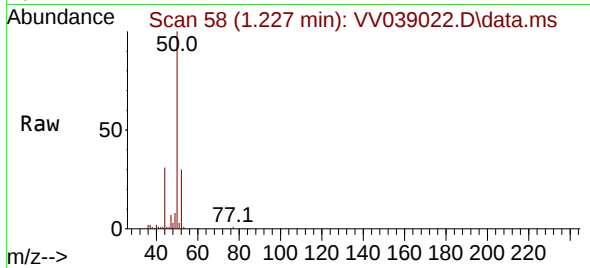




#3
Chloromethane
Concen: 5.025 ug/l
RT: 1.227 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

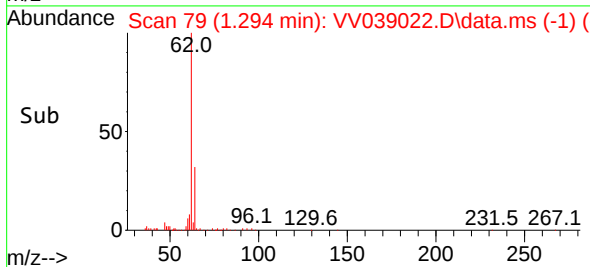
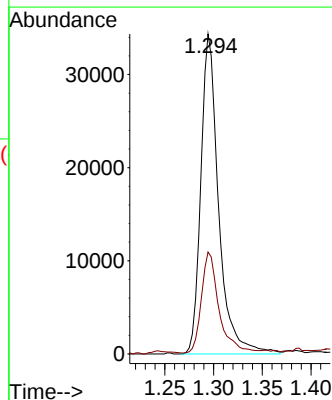
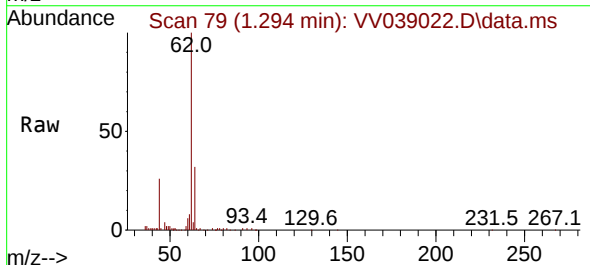
Instrument :
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ClientSampleId :
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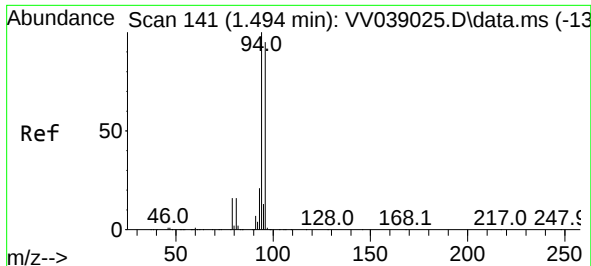
Tgt Ion: 50 Resp: 35126
Ion Ratio Lower Upper
50 100
52 29.9 25.6 38.4



#4
Vinyl Chloride
Concen: 5.339 ug/l
RT: 1.294 min Scan# 79
Delta R.T. -0.003 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

Tgt Ion: 62 Resp: 43525
Ion Ratio Lower Upper
62 100
64 31.5 24.7 37.1

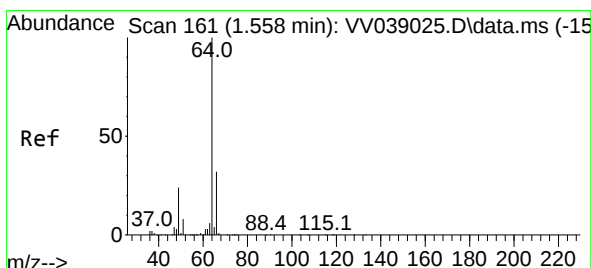
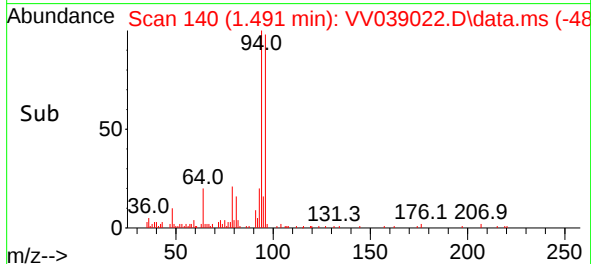
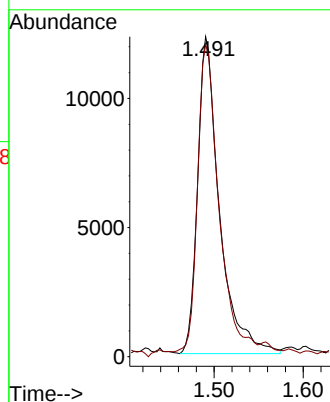
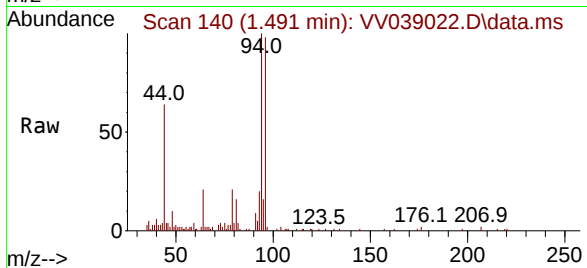




#5
Bromomethane
Concen: 5.118 ug/l
RT: 1.491 min Scan# 141
Delta R.T. -0.003 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

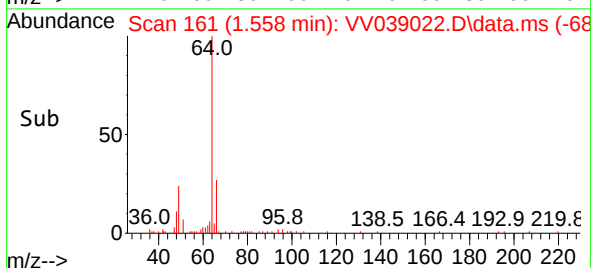
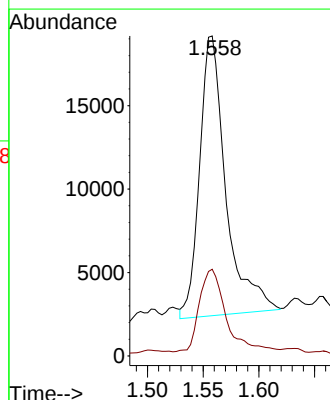
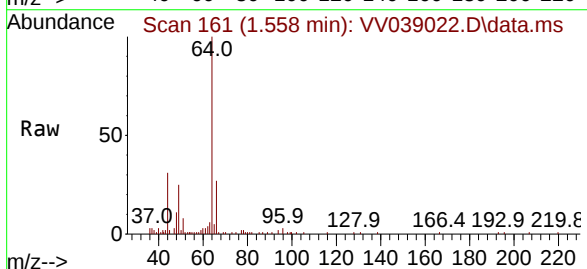
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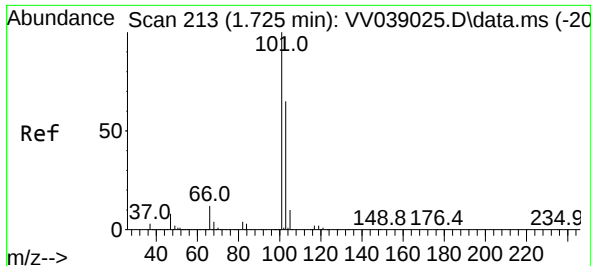
Tgt Ion: 94 Resp: 20966
Ion Ratio Lower Upper
94 100
96 96.5 76.2 114.2



#6
Chloroethane
Concen: 5.718 ug/l
RT: 1.558 min Scan# 161
Delta R.T. 0.000 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

Tgt Ion: 64 Resp: 27564
Ion Ratio Lower Upper
64 100
66 29.6 25.4 38.2

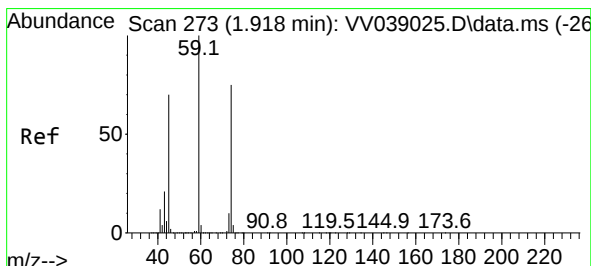
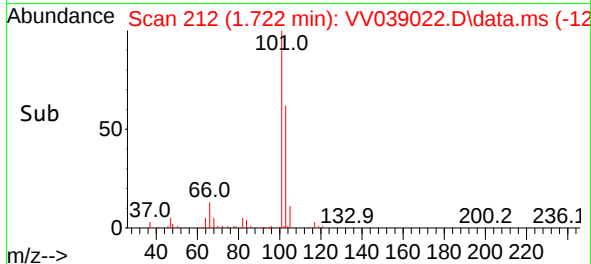
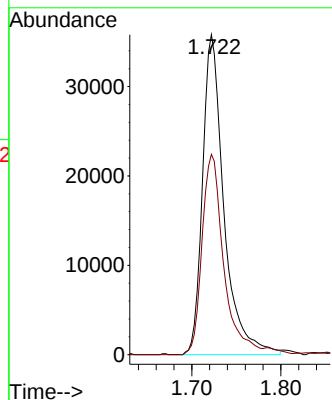
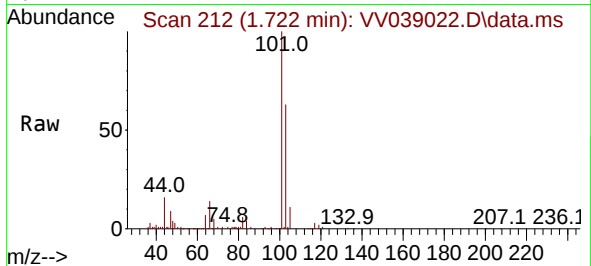




#7
 Trichlorofluoromethane
 Concen: 5.082 ug/l
 RT: 1.722 min Scan# 213
 Delta R.T. -0.003 min
 Lab File: VV039022.D
 Acq: 25 Aug 2025 10:08

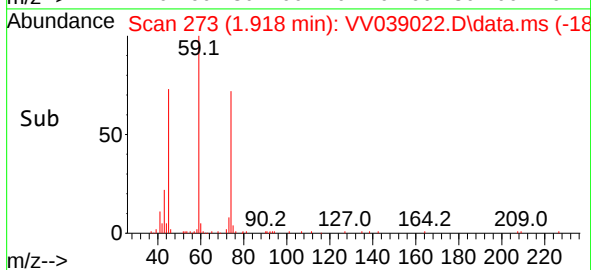
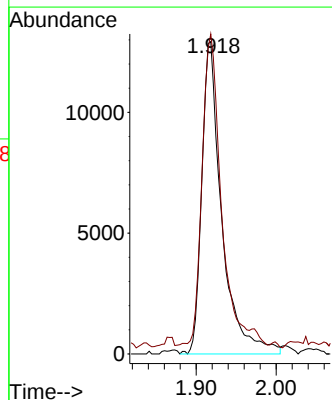
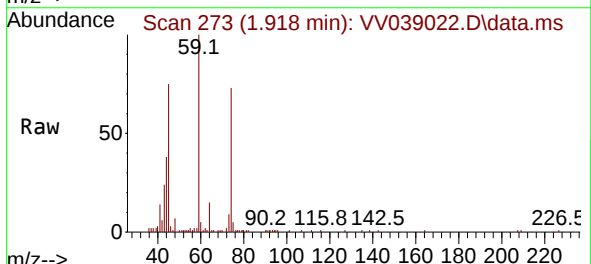
Instrument :
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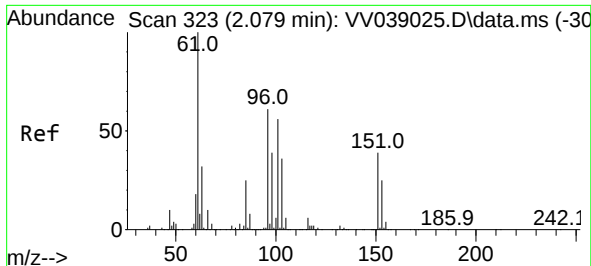
Tgt Ion:101 Resp: 59642
 Ion Ratio Lower Upper
 101 100
 103 62.6 51.7 77.5



#8
 Diethyl Ether
 Concen: 5.059 ug/l
 RT: 1.918 min Scan# 273
 Delta R.T. 0.000 min
 Lab File: VV039022.D
 Acq: 25 Aug 2025 10:08

Tgt Ion: 74 Resp: 22521
 Ion Ratio Lower Upper
 74 100
 45 92.0 48.1 144.4

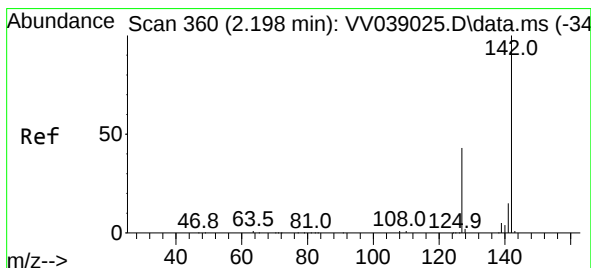
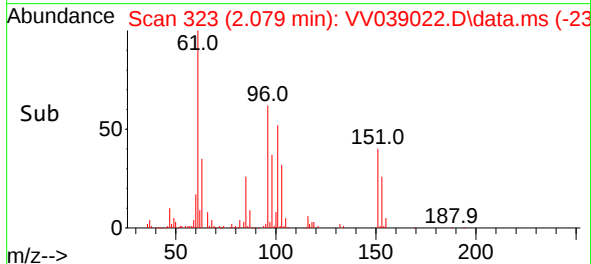
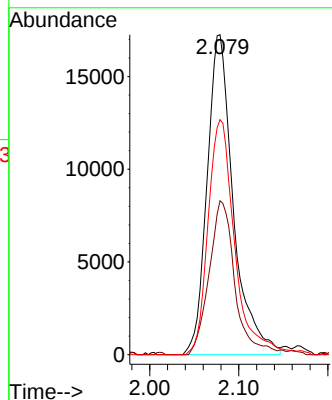
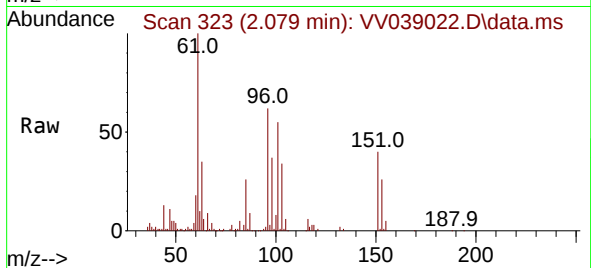




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.997 ug/l
RT: 2.079 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

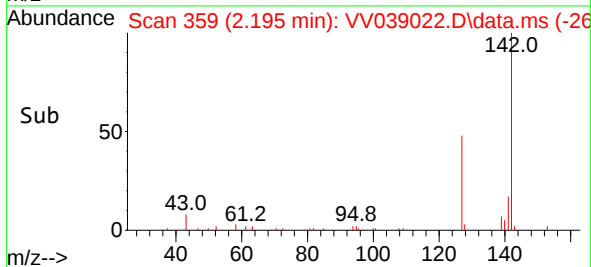
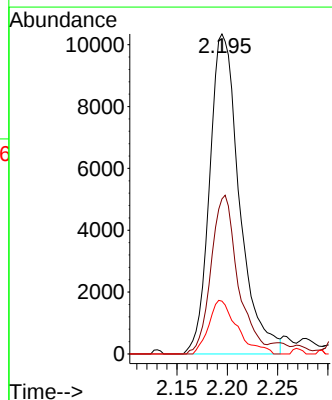
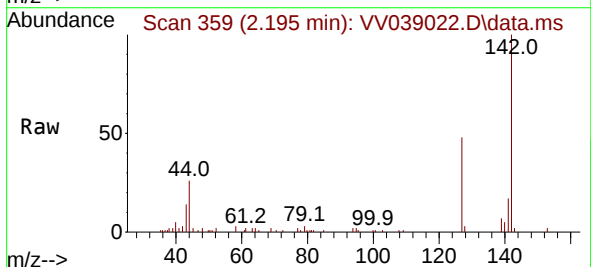
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

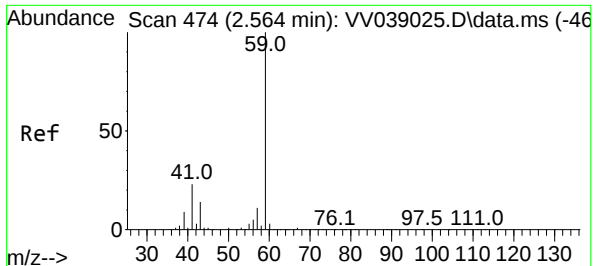
Tgt Ion:101 Resp: 35324
Ion Ratio Lower Upper
101 100
85 47.3 35.5 53.3
151 74.4 56.1 84.1



#10
Methyl Iodide
Concen: 8.070 ug/l
RT: 2.195 min Scan# 359
Delta R.T. -0.003 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

Tgt Ion:142 Resp: 21333
Ion Ratio Lower Upper
142 100
127 44.8 35.7 53.5
141 16.0 11.6 17.4

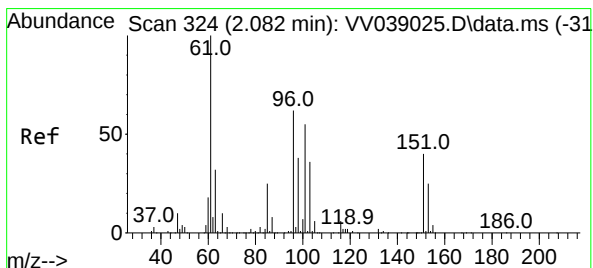
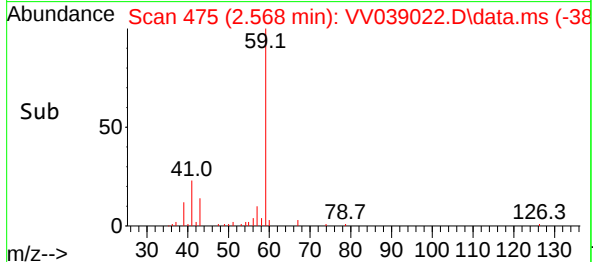
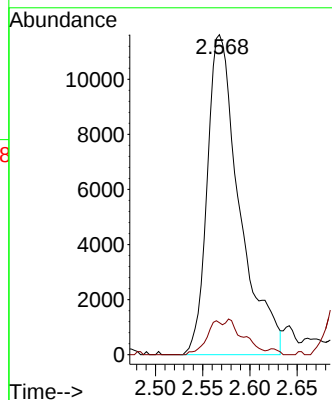
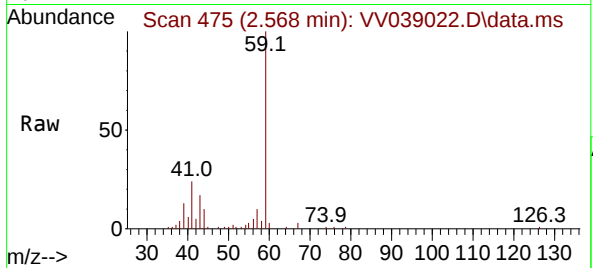




#11
Tert butyl alcohol
Concen: 21.715 ug/l
RT: 2.568 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

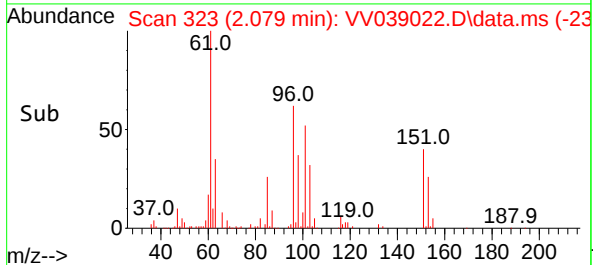
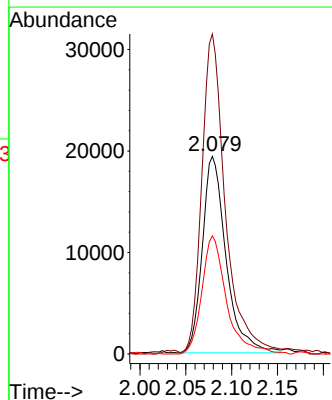
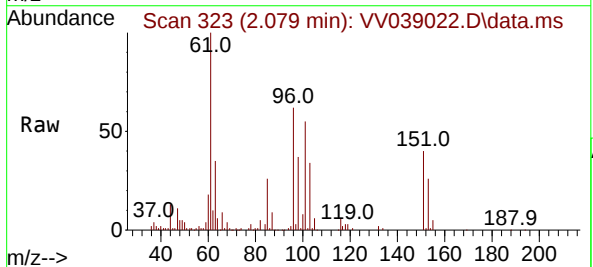
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

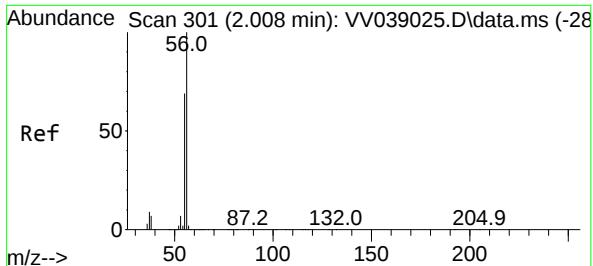
Tgt Ion: 59 Resp: 27542
Ion Ratio Lower Upper
59 100
57 5.3 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 5.180 ug/l
RT: 2.079 min Scan# 323
Delta R.T. -0.003 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

Tgt Ion: 96 Resp: 35061
Ion Ratio Lower Upper
96 100
61 162.0 128.2 192.2
98 60.1 49.3 73.9

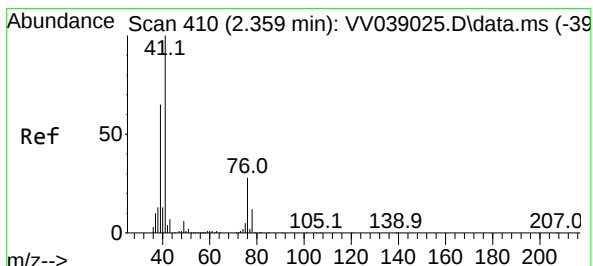
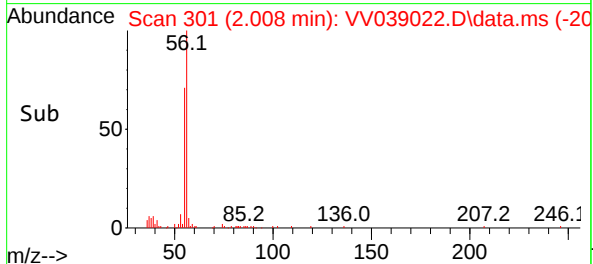
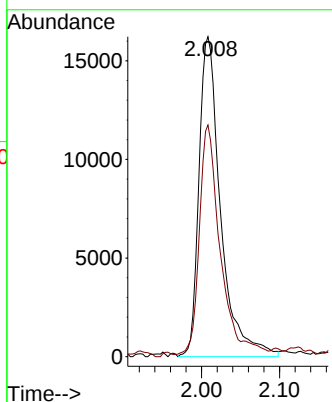
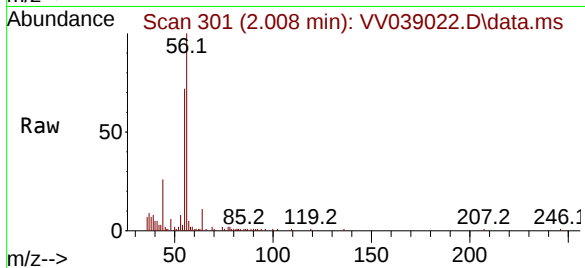




#13
Acrolein
Concen: 54.702 ug/l
RT: 2.008 min Scan# 301
Delta R.T. 0.000 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

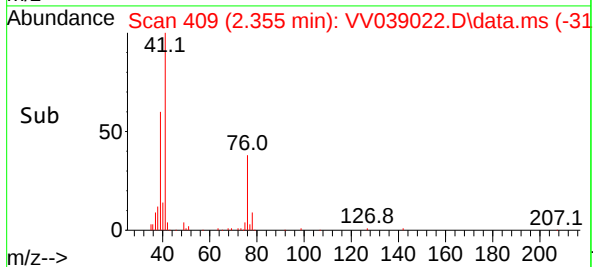
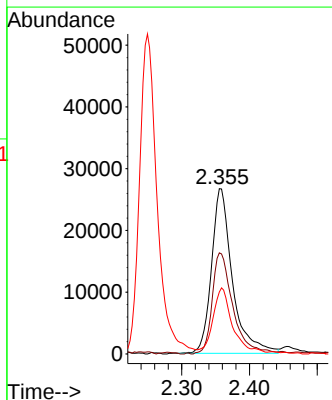
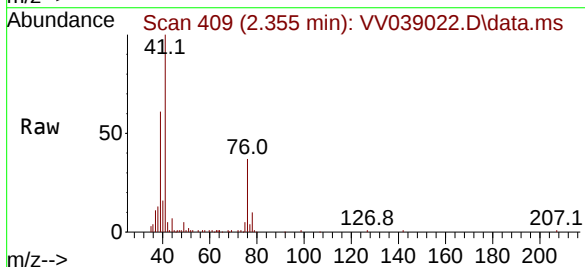
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

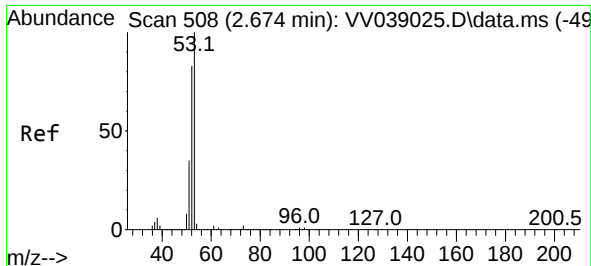
Tgt Ion: 56 Resp: 31325
Ion Ratio Lower Upper
56 100
55 68.3 54.7 82.1



#14
Allyl chloride
Concen: 5.382 ug/l
RT: 2.355 min Scan# 409
Delta R.T. -0.003 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

Tgt Ion: 41 Resp: 57339
Ion Ratio Lower Upper
41 100
39 60.5 48.5 72.7
76 35.6 29.0 43.6

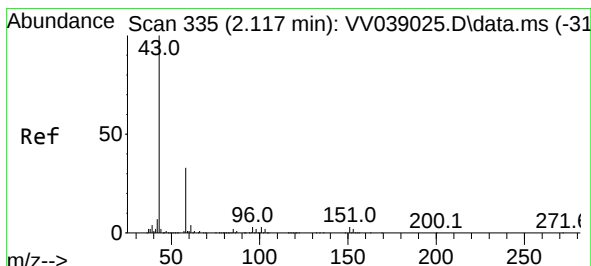
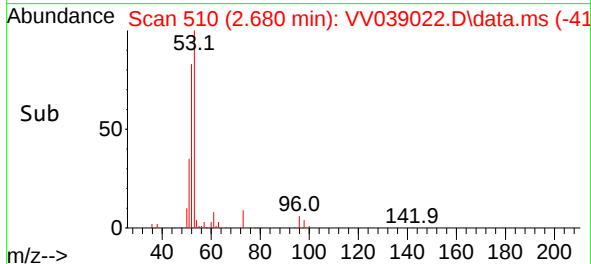
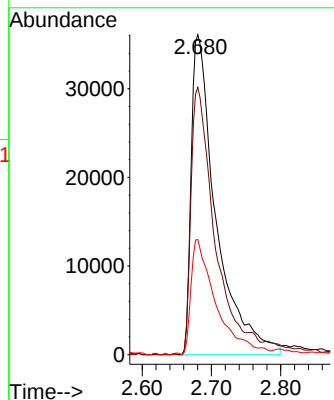
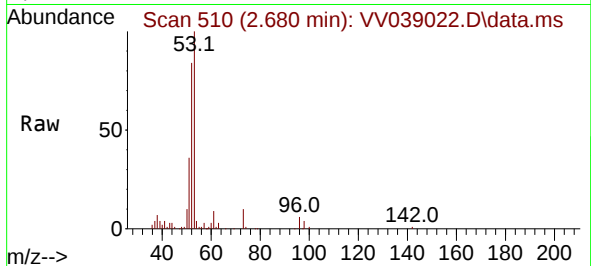




#15
Acrylonitrile
Concen: 23.773 ug/l
RT: 2.680 min Scan# 51
Delta R.T. 0.007 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

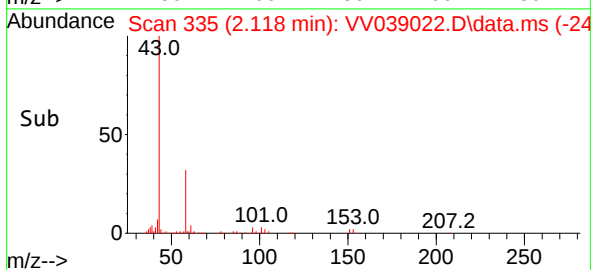
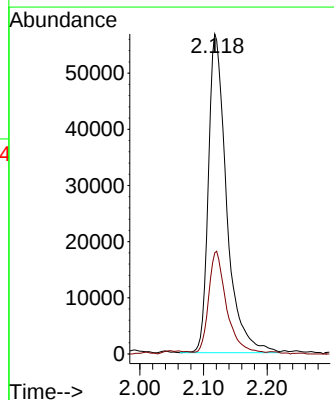
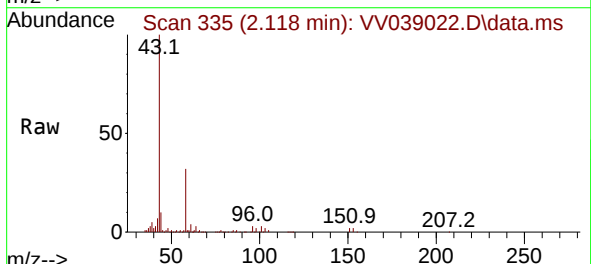
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

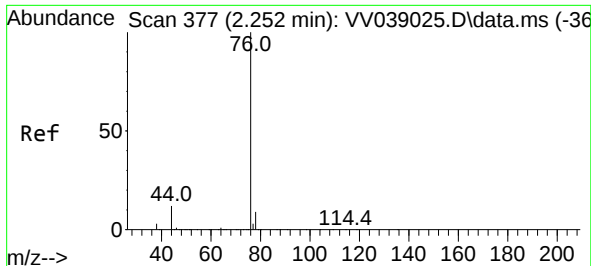
Tgt Ion: 53	Resp: 89921
Ion Ratio	Lower Upper
53	100
52	77.0 65.9 98.9
51	36.3 27.9 41.9



#16
Acetone
Concen: 25.253 ug/l
RT: 2.118 min Scan# 335
Delta R.T. 0.000 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

Tgt Ion: 43	Resp: 112691
Ion Ratio	Lower Upper
43	100
58	31.4 26.6 40.0

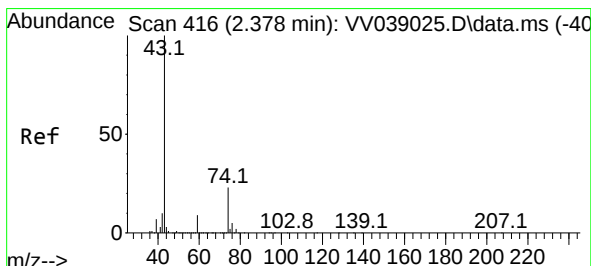
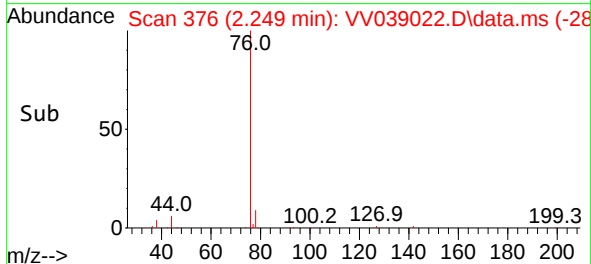
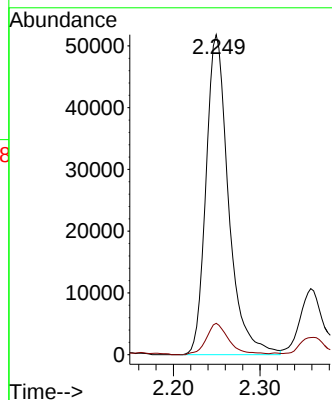
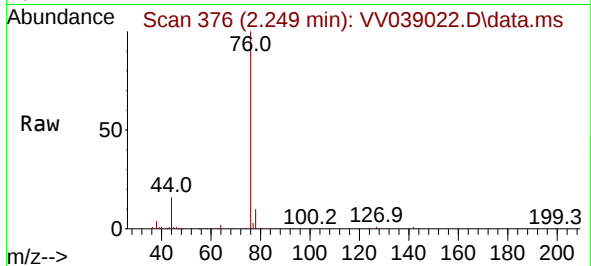




#17
Carbon Disulfide
Concen: 4.984 ug/l
RT: 2.249 min Scan# 317
Delta R.T. -0.003 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

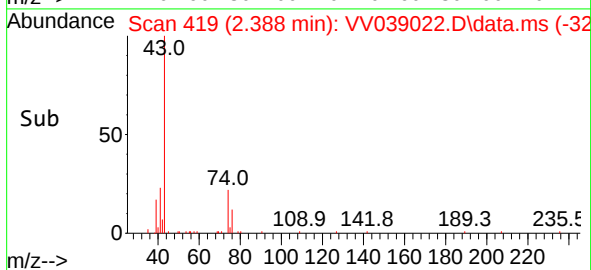
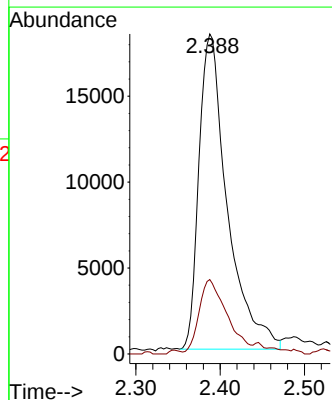
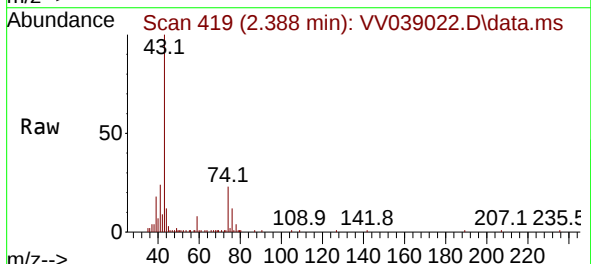
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

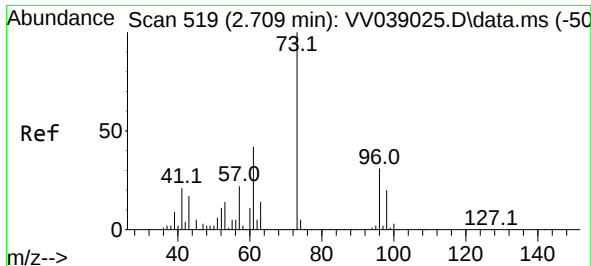
Tgt Ion: 76 Resp: 93655
Ion Ratio Lower Upper
76 100
78 9.8 7.2 10.8



#18
Methyl Acetate
Concen: 4.940 ug/l
RT: 2.388 min Scan# 419
Delta R.T. 0.010 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

Tgt Ion: 43 Resp: 42947
Ion Ratio Lower Upper
43 100
74 22.2 18.9 28.3

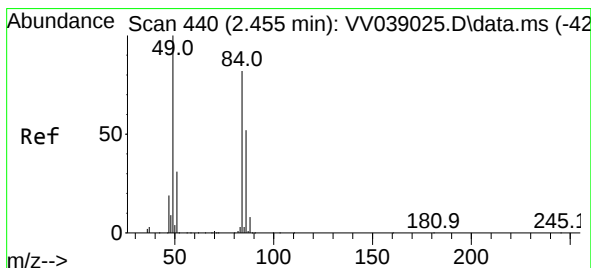
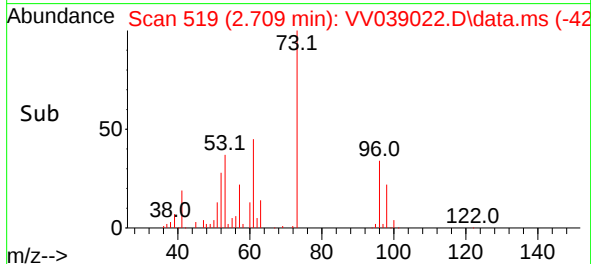
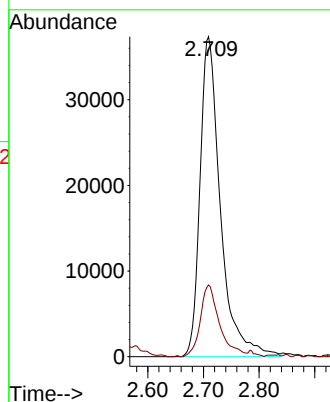
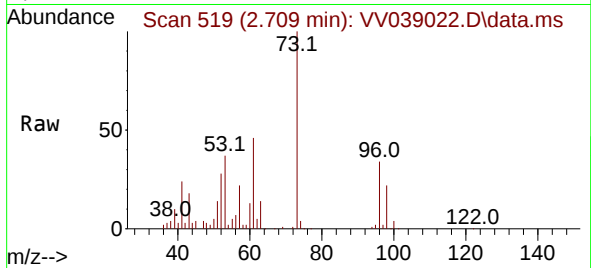




#19
Methyl tert-butyl Ether
Concen: 4.769 ug/l
RT: 2.709 min Scan# 519
Delta R.T. 0.000 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

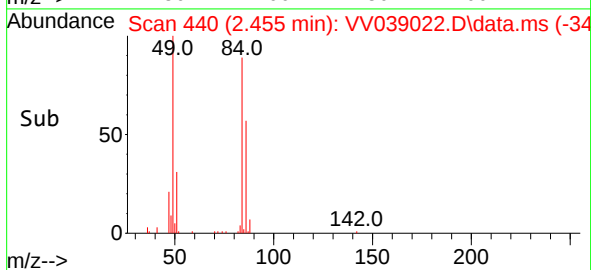
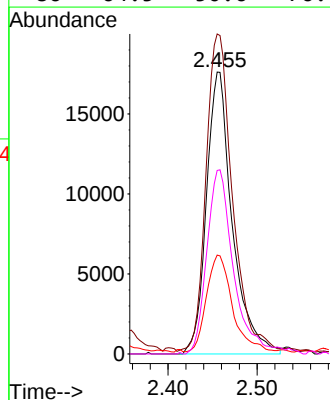
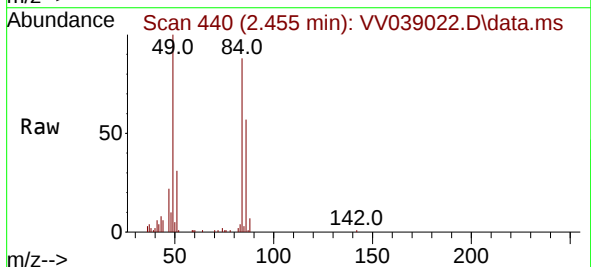
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

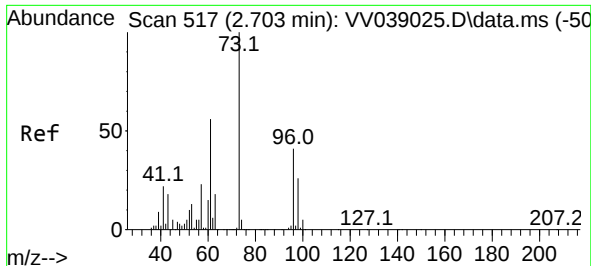
Tgt Ion: 73 Resp: 95116
Ion Ratio Lower Upper
73 100
57 22.4 17.9 26.9



#20
Methylene Chloride
Concen: 4.888 ug/l
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

Tgt Ion: 84 Resp: 35618
Ion Ratio Lower Upper
84 100
49 112.1 97.8 146.8
51 33.6 30.3 45.5
86 64.5 50.6 76.0

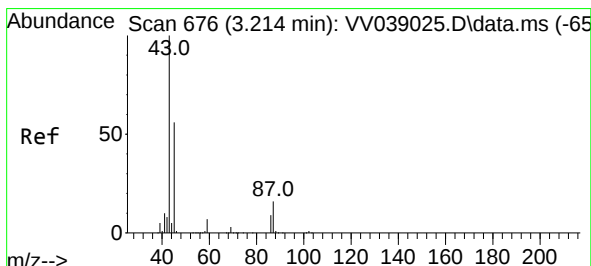
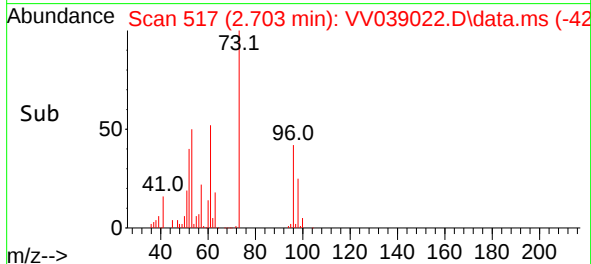
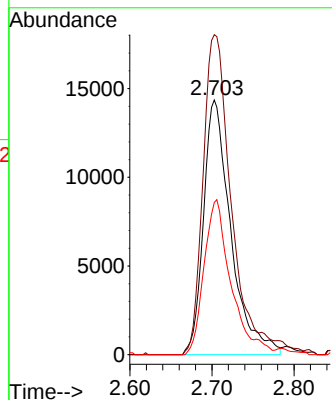
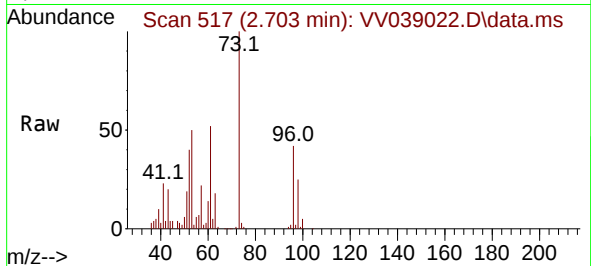




#21
trans-1,2-Dichloroethene
Concen: 4.909 ug/l
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

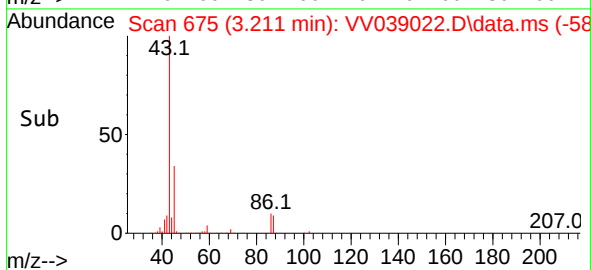
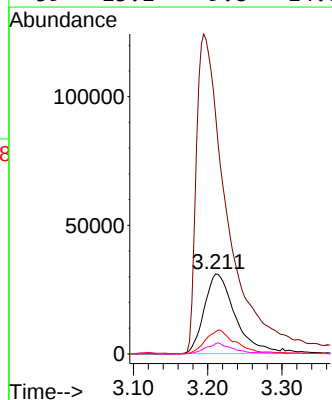
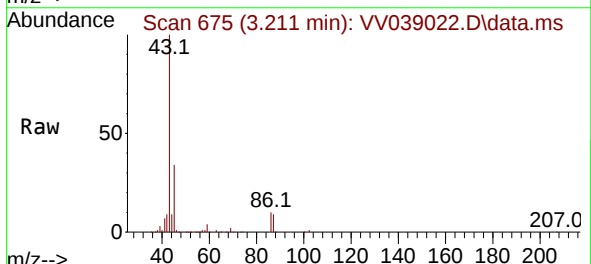
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

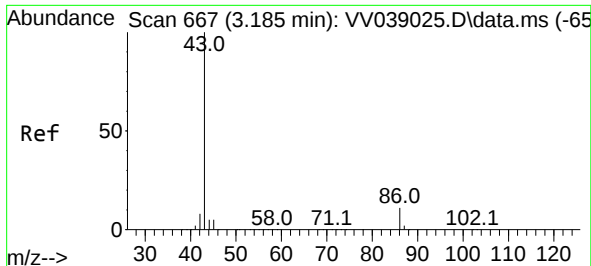
Tgt Ion: 96 Resp: 33301
Ion Ratio Lower Upper
96 100
61 125.6 110.1 165.1
98 59.8 50.2 75.4



#22
Diisopropyl ether
Concen: 4.611 ug/l
RT: 3.211 min Scan# 675
Delta R.T. -0.003 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

Tgt Ion: 45 Resp: 89398
Ion Ratio Lower Upper
45 100
43 297.7 143.0 214.4#
87 27.9 23.8 35.6
59 13.1 9.8 14.8

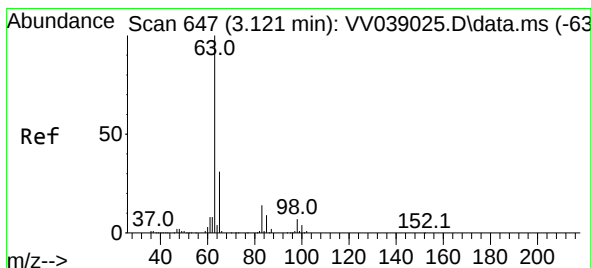
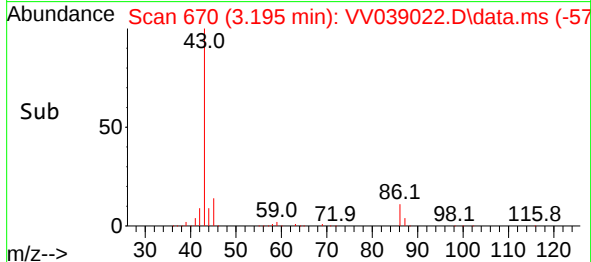
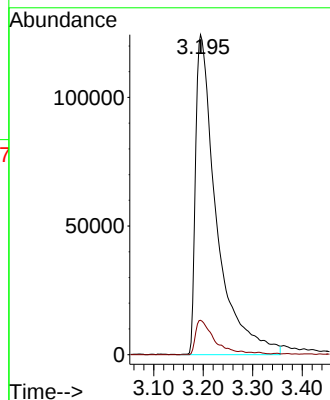
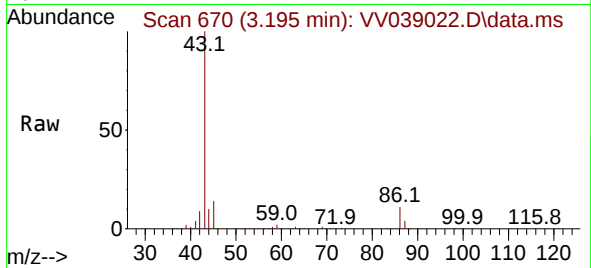




#23
 Vinyl Acetate
 Concen: 23.103 ug/l
 RT: 3.195 min Scan# 61
 Delta R.T. 0.010 min
 Lab File: VV039022.D
 Acq: 25 Aug 2025 10:08

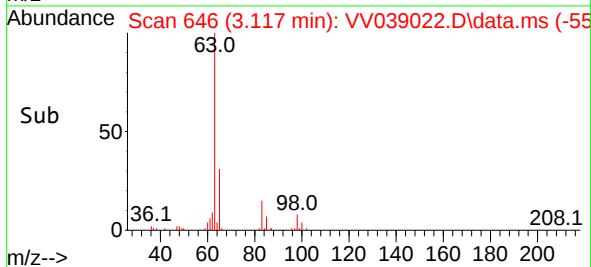
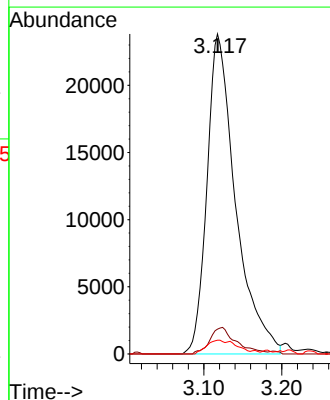
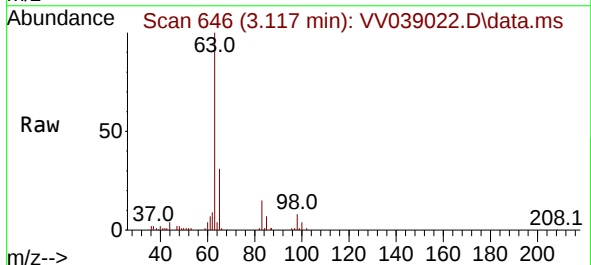
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC005

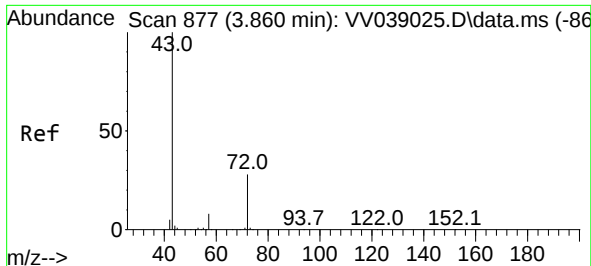
Tgt Ion: 43 Resp: 367274
 Ion Ratio Lower Upper
 43 100
 86 10.7 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 4.996 ug/l
 RT: 3.117 min Scan# 646
 Delta R.T. -0.003 min
 Lab File: VV039022.D
 Acq: 25 Aug 2025 10:08

Tgt Ion: 63 Resp: 60684
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.6 10.9
 100 4.3 2.2 6.6

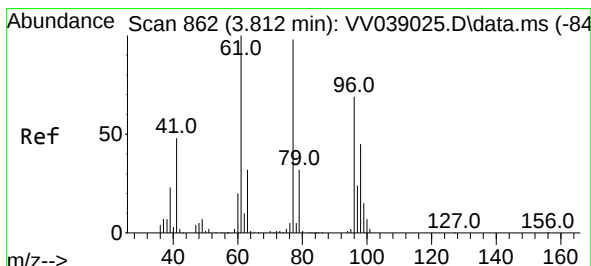
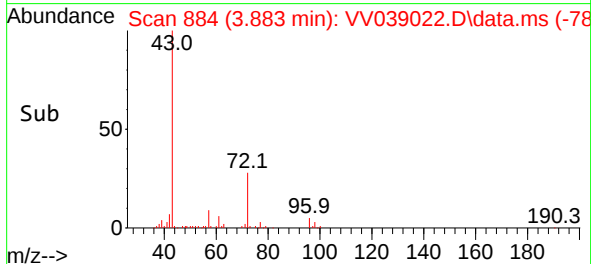
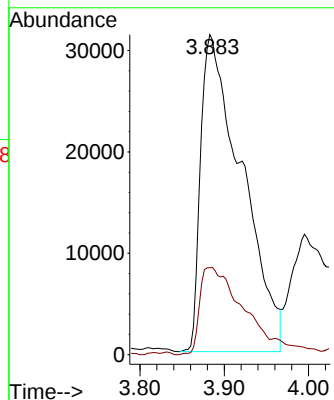
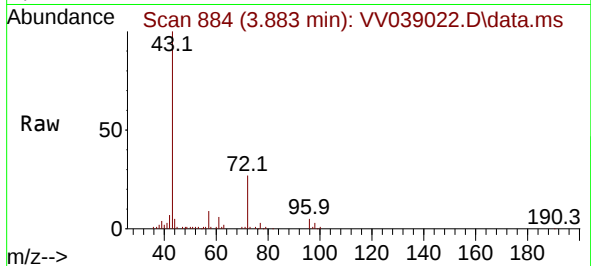




#25
2-Butanone
Concen: 21.526 ug/l
RT: 3.883 min Scan# 81
Delta R.T. 0.023 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

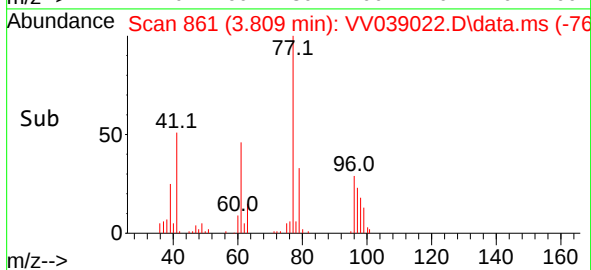
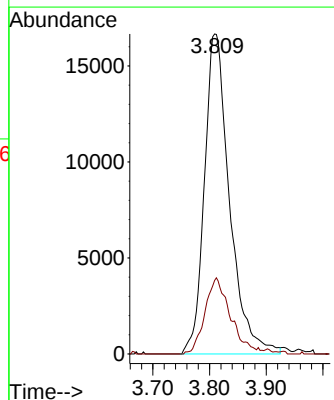
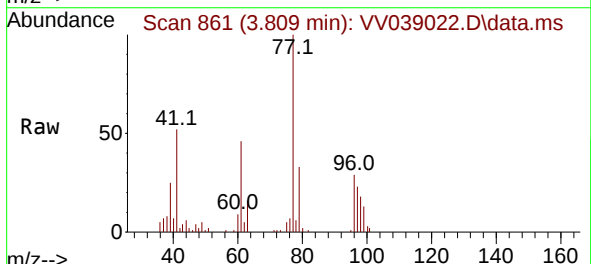
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

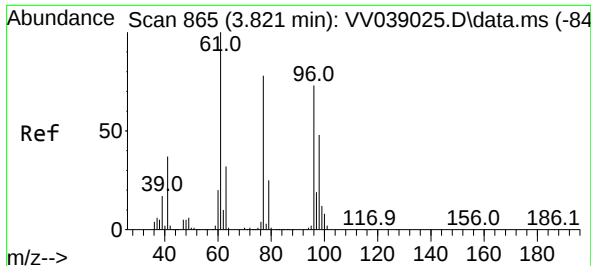
Tgt Ion: 43 Resp: 105673
Ion Ratio Lower Upper
43 100
72 27.4 22.6 33.8



#26
2,2-Dichloropropane
Concen: 4.923 ug/l
RT: 3.809 min Scan# 861
Delta R.T. -0.003 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

Tgt Ion: 77 Resp: 51396
Ion Ratio Lower Upper
77 100
97 24.3 11.8 35.4



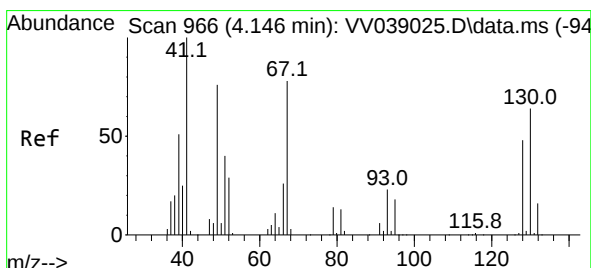
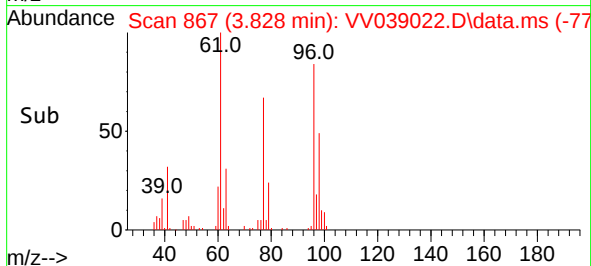
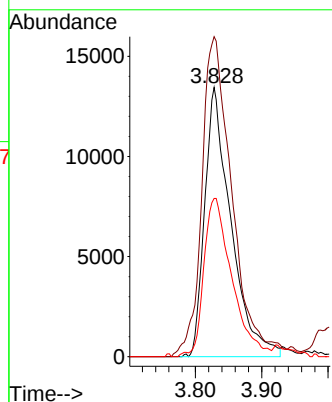
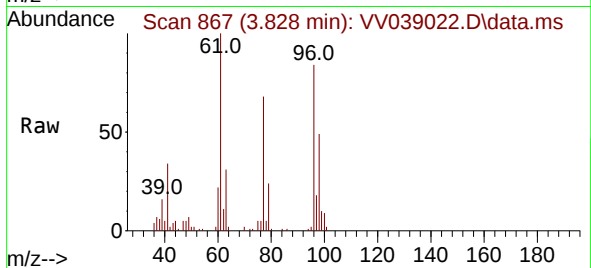


#27
 cis-1,2-Dichloroethene
 Concen: 4.913 ug/l
 RT: 3.828 min Scan# 865
 Delta R.T. 0.007 min
 Lab File: VV039022.D
 Acq: 25 Aug 2025 10:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC005

Tgt Ion: 96 Resp: 36940

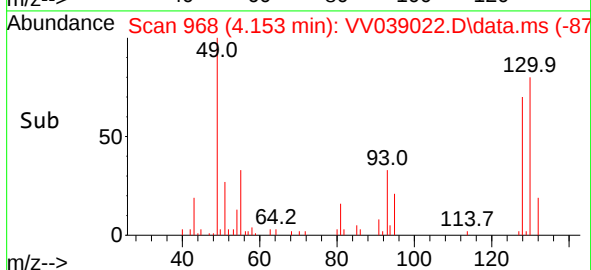
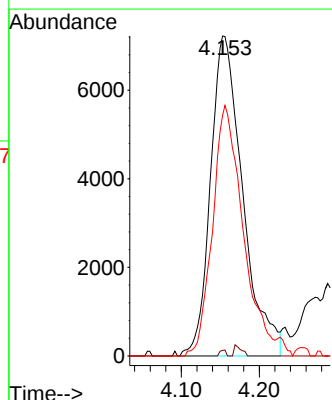
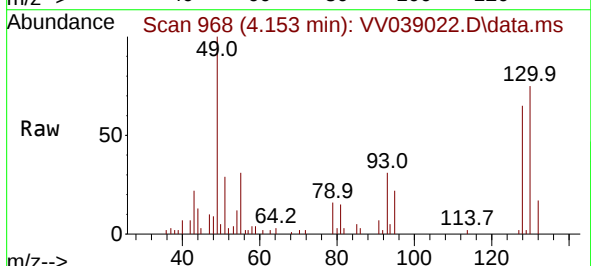
Ion	Ratio	Lower	Upper
96	100		
61	136.7	0.0	280.8
98	62.7	0.0	130.2

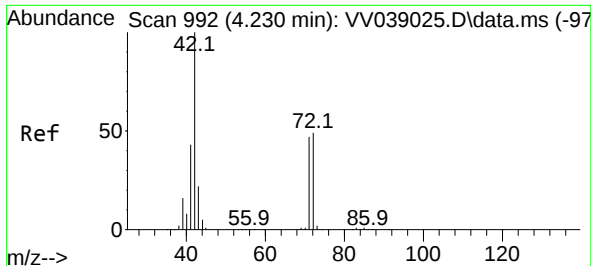


#28
 Bromochloromethane
 Concen: 5.836 ug/l
 RT: 4.153 min Scan# 968
 Delta R.T. 0.007 min
 Lab File: VV039022.D
 Acq: 25 Aug 2025 10:08

Tgt Ion: 49 Resp: 20744

Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	4.4
130	73.8	64.9	97.3





#29

Tetrahydrofuran

Concen: 21.386 ug/l

RT: 4.246 min Scan# 997

Delta R.T. 0.016 min

Lab File: VV039022.D

Acq: 25 Aug 2025 10:08

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

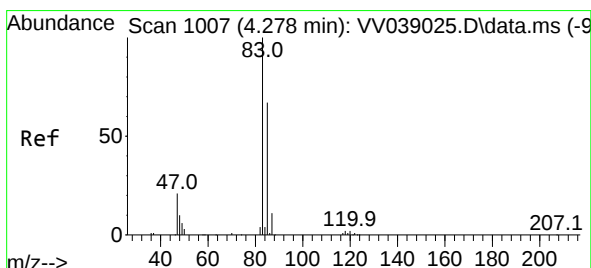
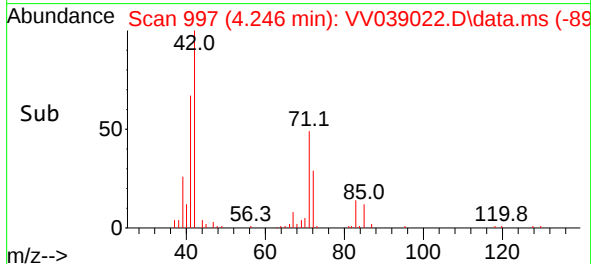
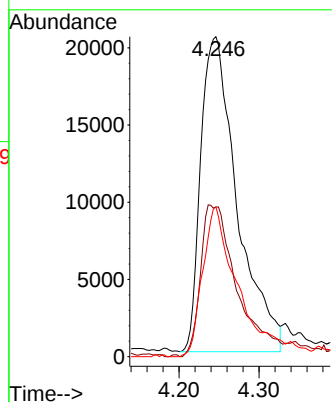
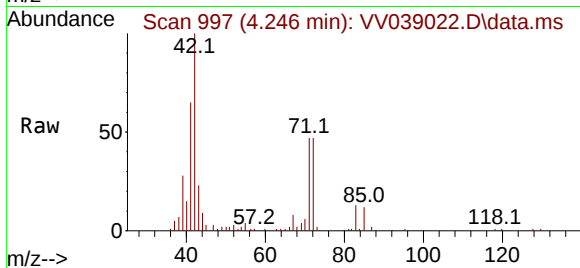
Tgt Ion: 42 Resp: 64700

Ion Ratio Lower Upper

42 100

72 48.1 39.0 58.4

71 45.2 37.0 55.6



#30

Chloroform

Concen: 5.067 ug/l

RT: 4.281 min Scan# 1008

Delta R.T. 0.003 min

Lab File: VV039022.D

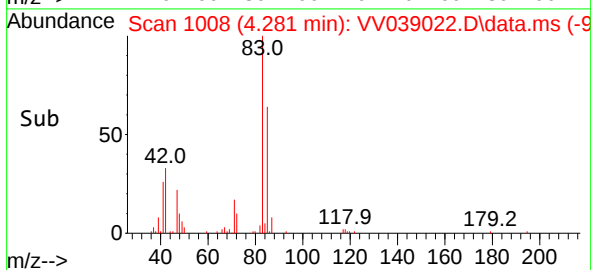
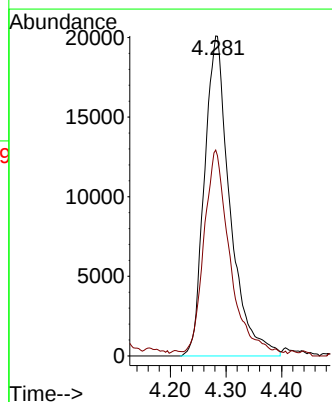
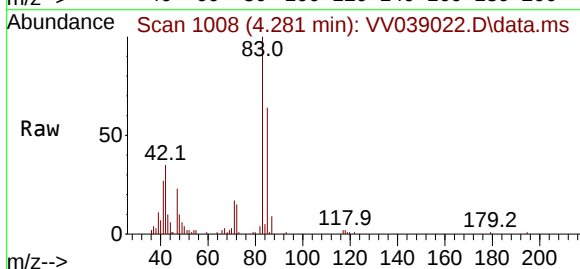
Acq: 25 Aug 2025 10:08

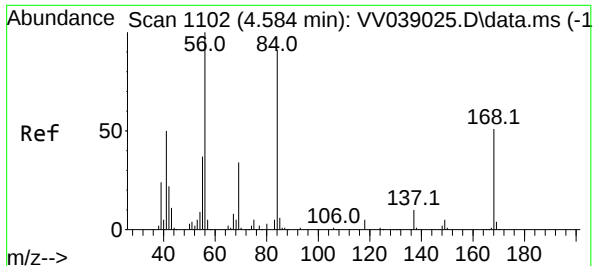
Tgt Ion: 83 Resp: 64018

Ion Ratio Lower Upper

83 100

85 63.0 53.2 79.8

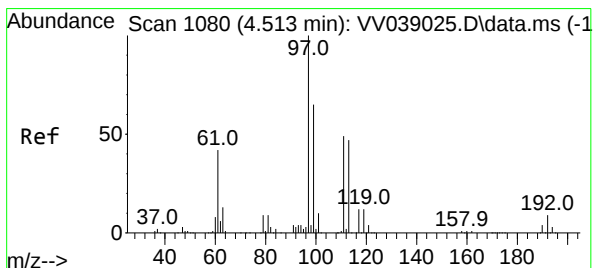
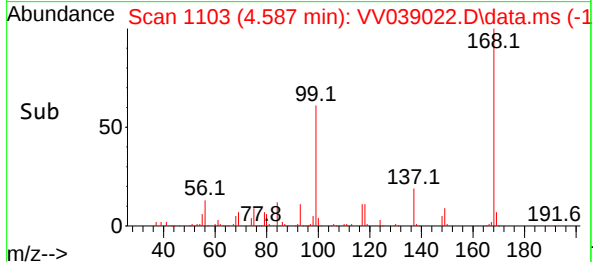
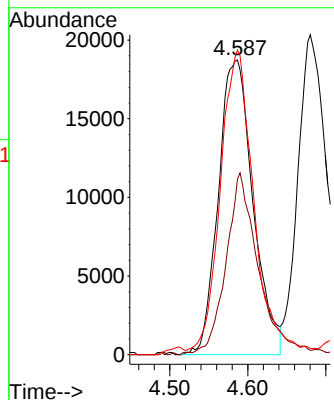
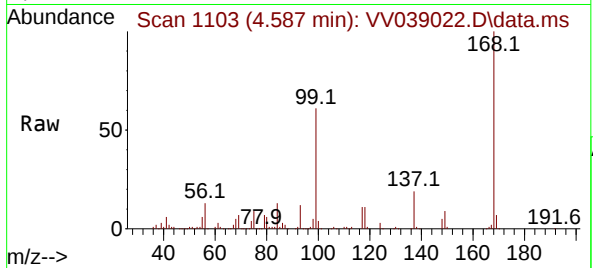




#31
Cyclohexane
Concen: 5.391 ug/l
RT: 4.587 min Scan# 1102
Delta R.T. 0.003 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

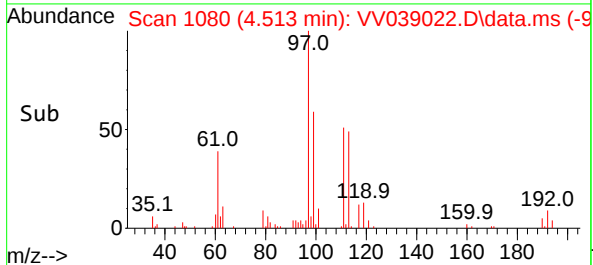
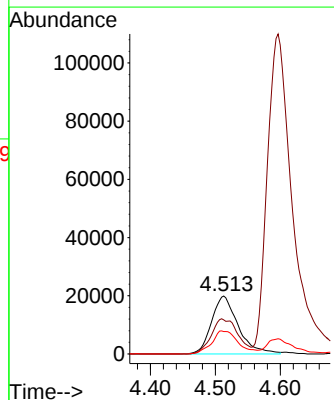
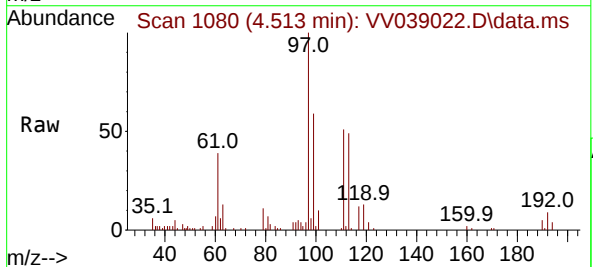
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

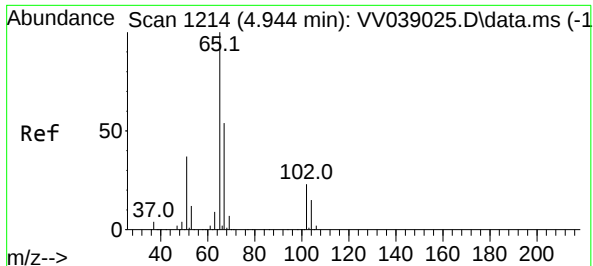
Tgt Ion: 56 Resp: 57906
Ion Ratio Lower Upper
56 100
69 59.6 27.0 40.4#
84 100.3 72.9 109.3



#32
1,1,1-Trichloroethane
Concen: 5.086 ug/l
RT: 4.513 min Scan# 1080
Delta R.T. 0.000 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

Tgt Ion: 97 Resp: 56552
Ion Ratio Lower Upper
97 100
99 60.5 49.8 74.6
61 39.5 33.3 49.9





#33

1,2-Dichloroethane-d4

Concen: 5.234 ug/l

RT: 4.953 min Scan# 1

Delta R.T. 0.010 min

Lab File: VV039022.D

Acq: 25 Aug 2025 10:08

Instrument :

MSVOA_V

ClientSampleId :

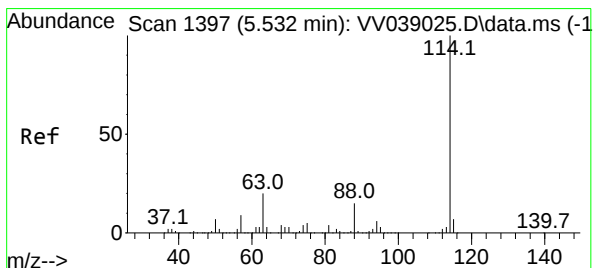
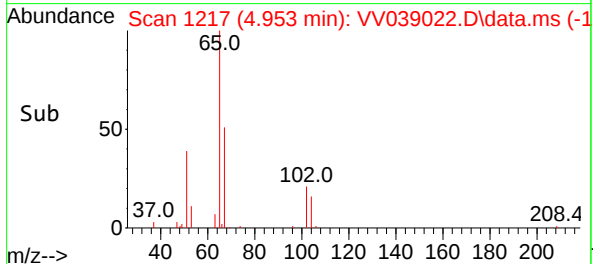
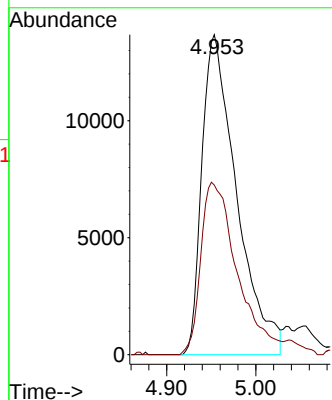
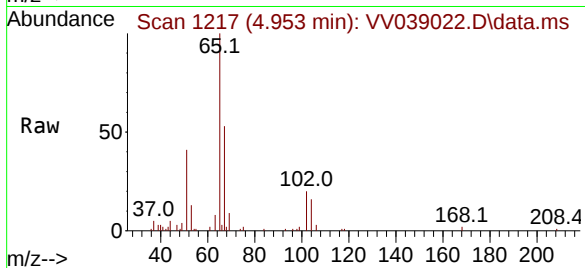
VSTDICC005

Tgt Ion: 65 Resp: 36979

Ion Ratio Lower Upper

65 100

67 56.6 0.0 108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.529 min Scan# 1396

Delta R.T. -0.003 min

Lab File: VV039022.D

Acq: 25 Aug 2025 10:08

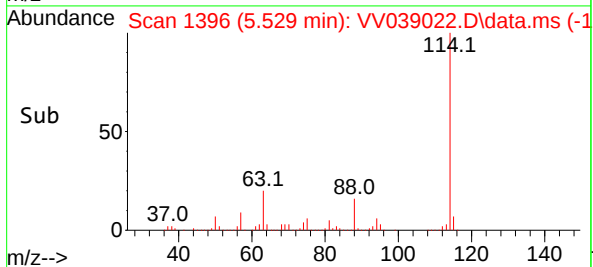
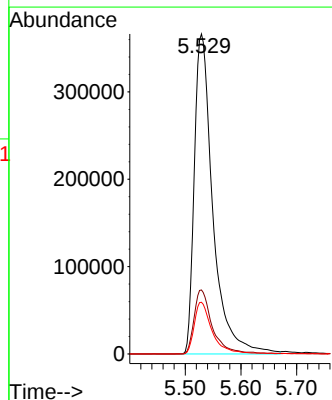
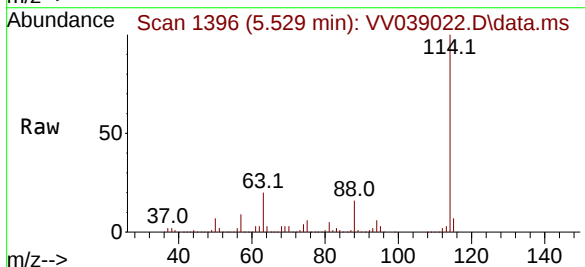
Tgt Ion: 114 Resp: 848885

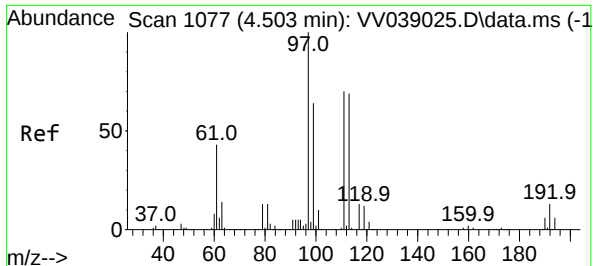
Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.4

88 16.1 0.0 30.6

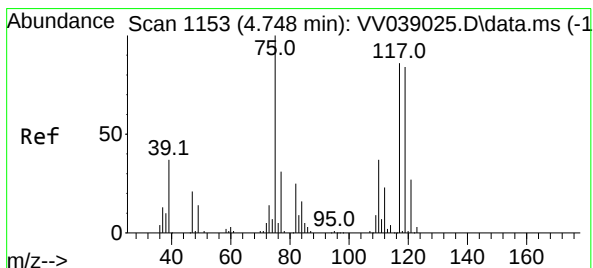
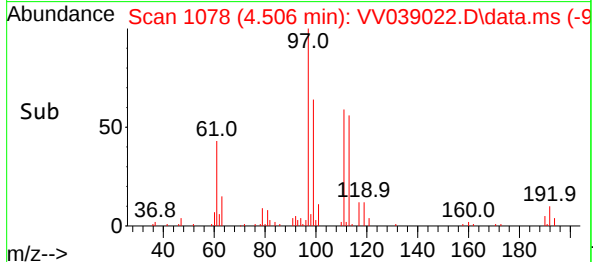
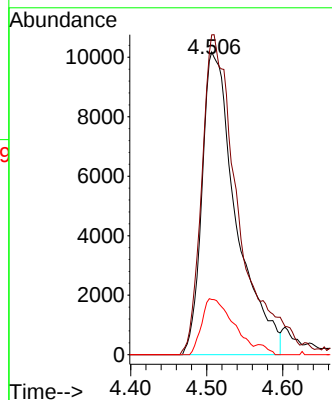
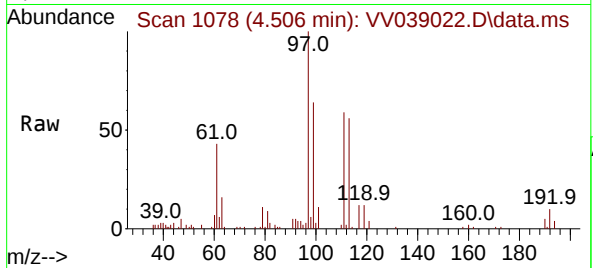




#35
Dibromofluoromethane
Concen: 5.181 ug/l
RT: 4.506 min Scan# 1107
Delta R.T. 0.003 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

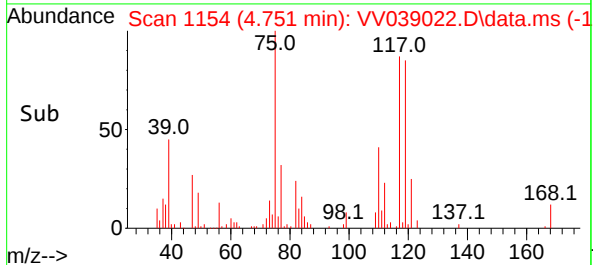
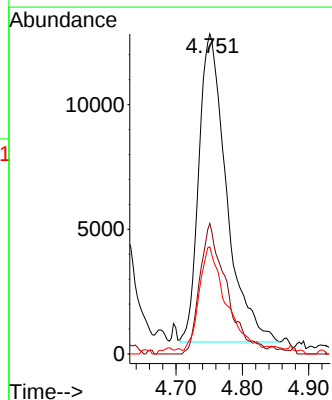
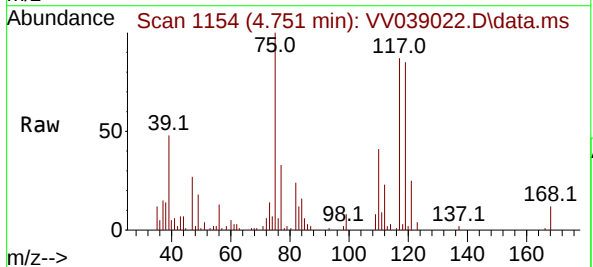
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

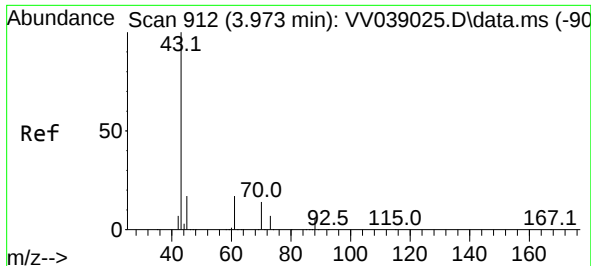
Tgt Ion:113 Resp: 31670
Ion Ratio Lower Upper
113 100
111 113.4 82.2 123.2
192 16.9 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.351 ug/l
RT: 4.751 min Scan# 1154
Delta R.T. 0.003 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

Tgt Ion: 75 Resp: 35750
Ion Ratio Lower Upper
75 100
110 41.2 18.6 55.8
77 32.0 24.6 36.8





#37

Ethyl Acetate

Concen: 3.992 ug/l

RT: 3.995 min Scan# 91

Delta R.T. 0.023 min

Lab File: VV039022.D

Acq: 25 Aug 2025 10:08

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

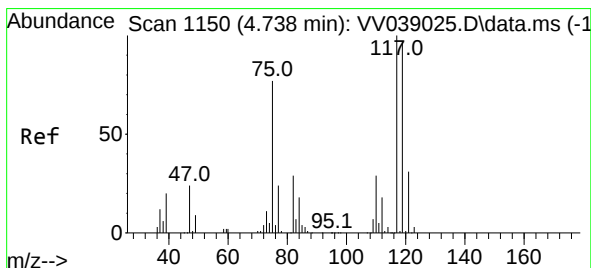
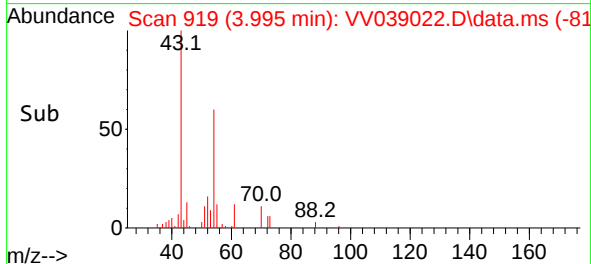
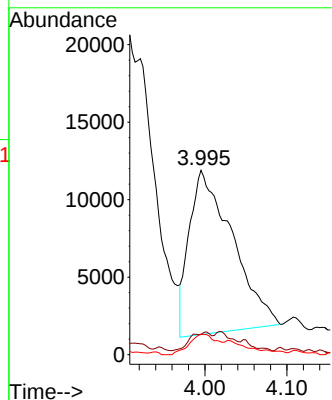
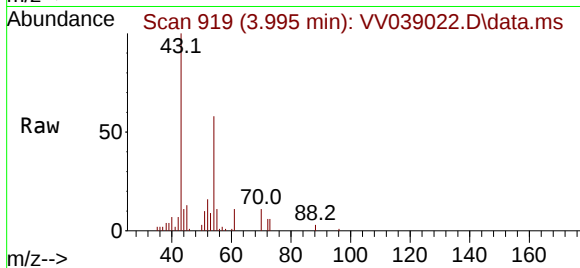
Tgt Ion: 43 Resp: 38495

Ion Ratio Lower Upper

43 100

61 5.5 10.6 16.0#

70 7.9 8.6 13.0#



#38

Carbon Tetrachloride

Concen: 5.010 ug/l

RT: 4.735 min Scan# 1149

Delta R.T. -0.003 min

Lab File: VV039022.D

Acq: 25 Aug 2025 10:08

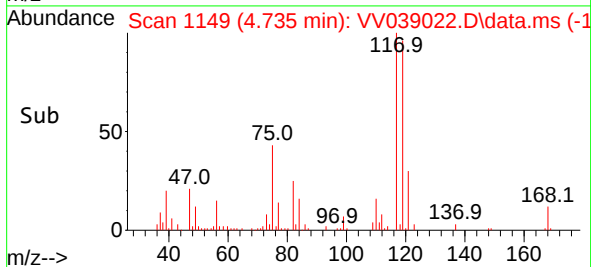
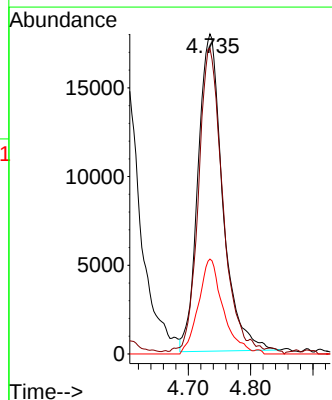
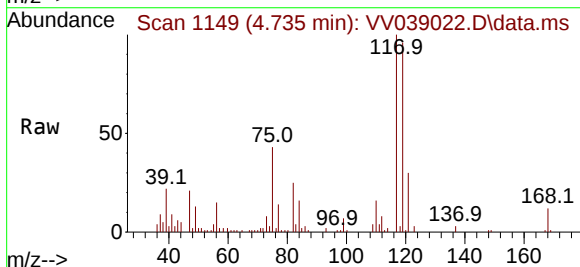
Tgt Ion: 117 Resp: 49292

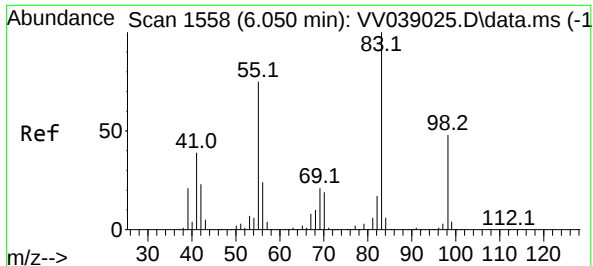
Ion Ratio Lower Upper

117 100

119 95.8 77.8 116.6

121 30.0 24.9 37.3





#39

Methylcyclohexane

Concen: 4.531 ug/l

RT: 6.043 min Scan# 11

Delta R.T. -0.006 min

Lab File: VV039022.D

Acq: 25 Aug 2025 10:08

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

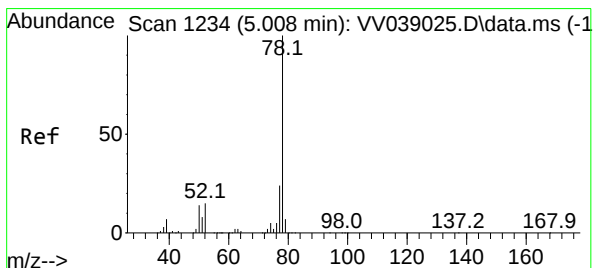
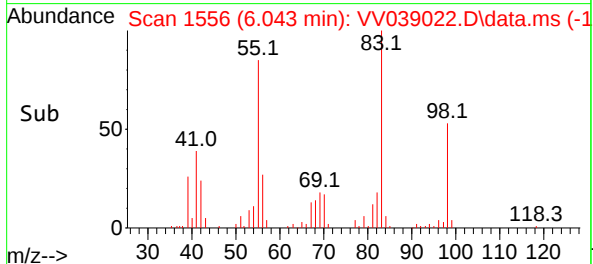
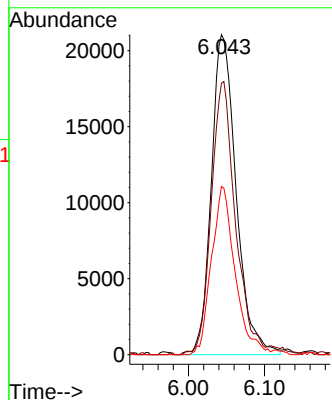
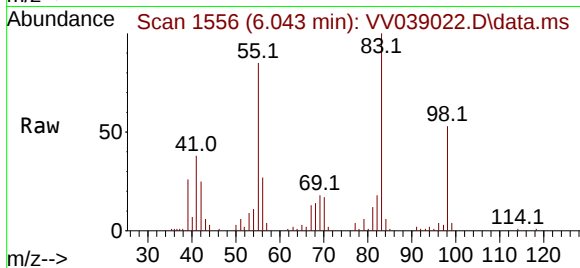
Tgt Ion: 83 Resp: 47791

Ion Ratio Lower Upper

83 100

55 84.8 59.8 89.6

98 52.5 38.2 57.2



#40

Benzene

Concen: 4.852 ug/l

RT: 5.014 min Scan# 1236

Delta R.T. 0.007 min

Lab File: VV039022.D

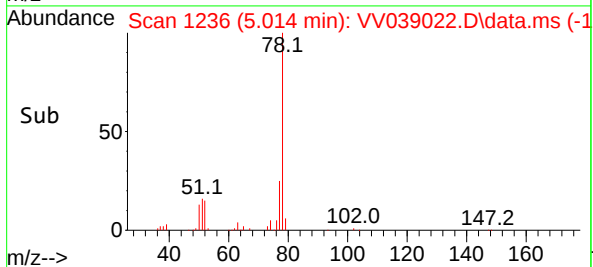
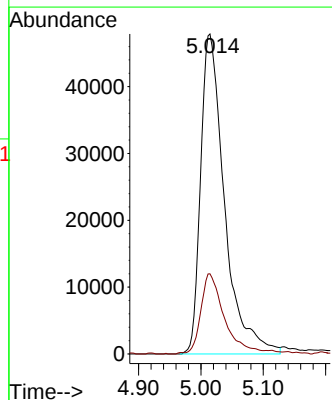
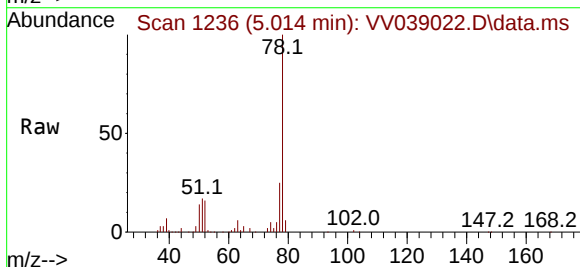
Acq: 25 Aug 2025 10:08

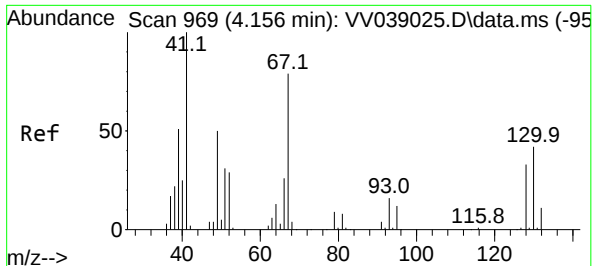
Tgt Ion: 78 Resp: 127403

Ion Ratio Lower Upper

78 100

77 24.6 19.1 28.7

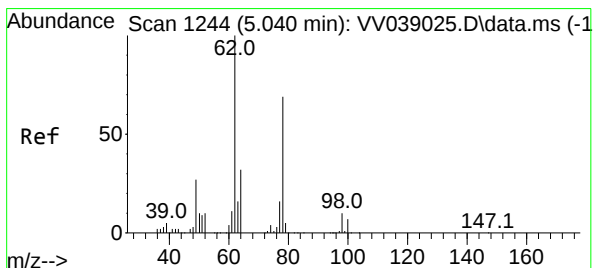
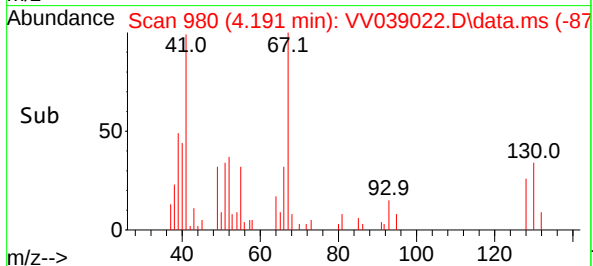
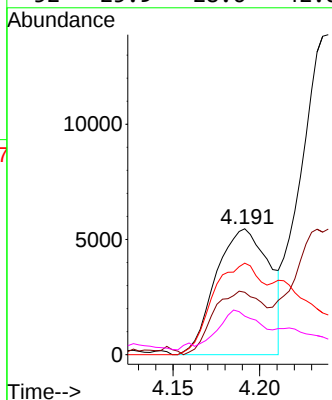
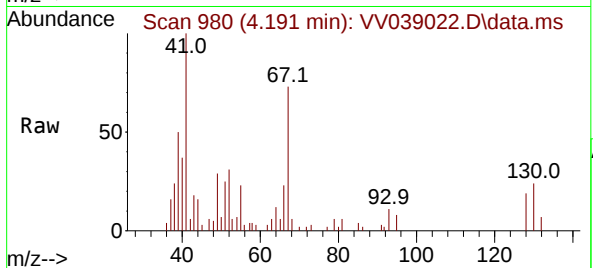




#41
Methacrylonitrile
Concen: 4.057 ug/l
RT: 4.191 min Scan# 91
Delta R.T. 0.035 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

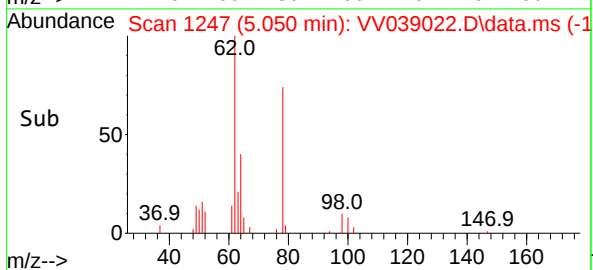
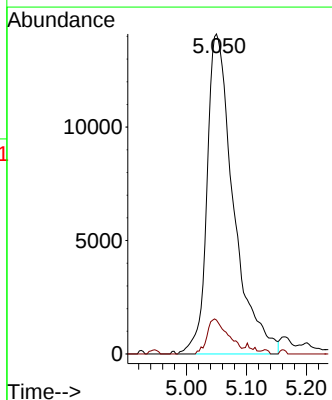
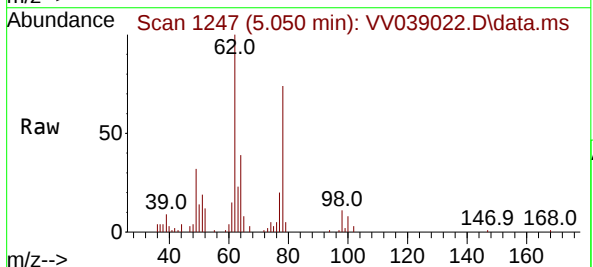
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

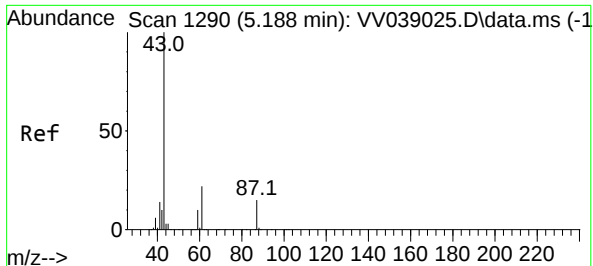
Tgt Ion:	41	Resp:	11799
Ion	Ratio	Lower	Upper
41	100		
39	45.8	42.7	64.1
67	67.1	74.5	111.7#
52	25.9	28.6	42.8#



#42
1,2-Dichloroethane
Concen: 4.724 ug/l
RT: 5.050 min Scan# 1247
Delta R.T. 0.010 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

Tgt Ion:	62	Resp:	43250
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	19.8

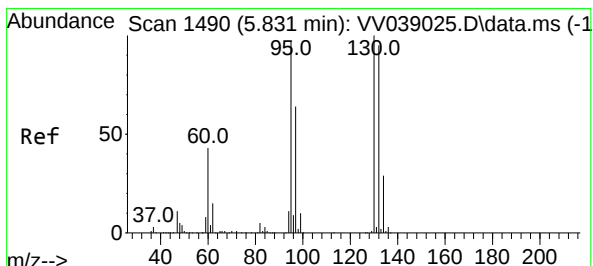
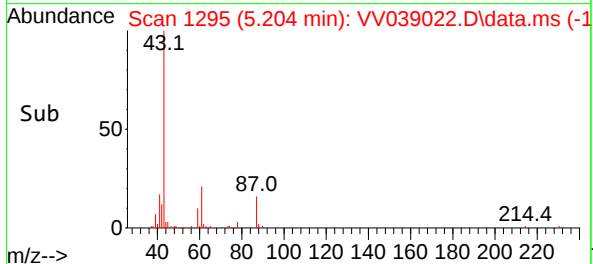
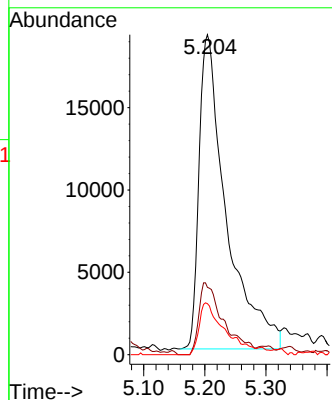
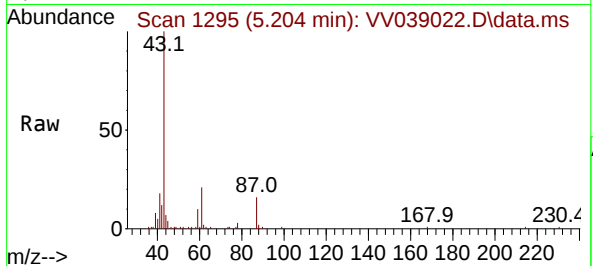




#43
Isopropyl Acetate
Concen: 4.308 ug/l
RT: 5.204 min Scan# 1295
Delta R.T. 0.016 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

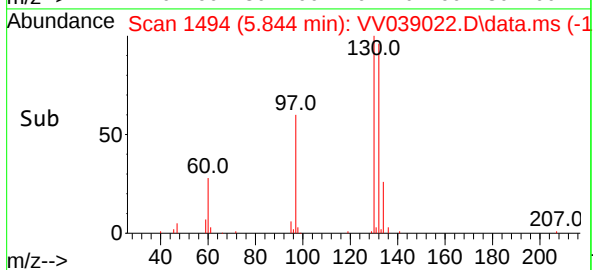
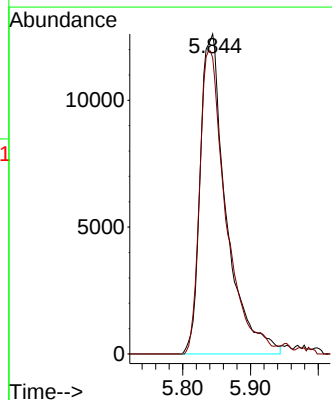
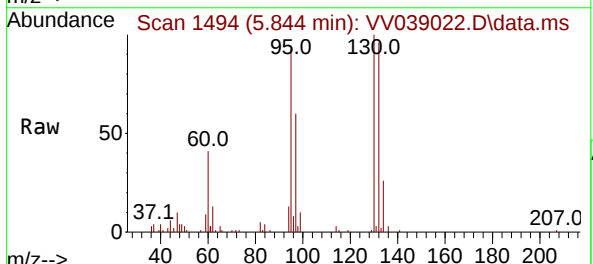
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

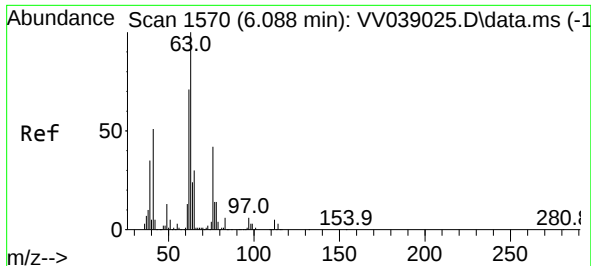
Tgt Ion: 43 Resp: 59126
Ion Ratio Lower Upper
43 100
61 20.7 16.6 25.0
87 15.4 11.7 17.5



#44
Trichloroethene
Concen: 5.064 ug/l
RT: 5.844 min Scan# 1494
Delta R.T. 0.013 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

Tgt Ion:130 Resp: 33388
Ion Ratio Lower Upper
130 100
95 92.6 0.0 194.4





#45

1,2-Dichloropropane

Concen: 4.580 ug/l

RT: 6.095 min Scan# 1

Delta R.T. 0.007 min

Lab File: VV039022.D

Acq: 25 Aug 2025 10:08

Instrument :

MSVOA_V

ClientSampleId :

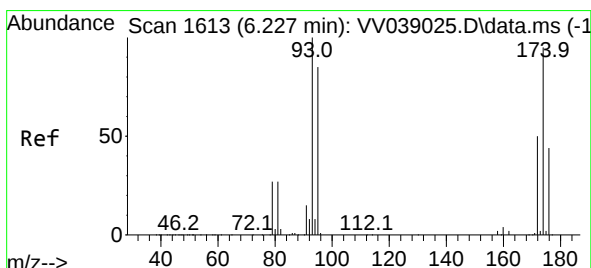
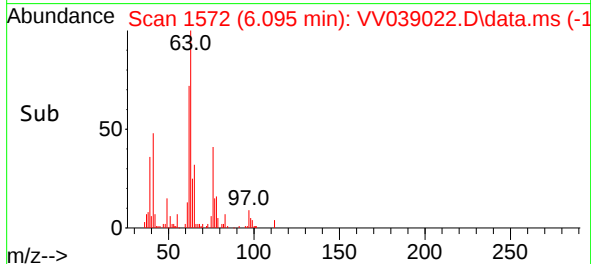
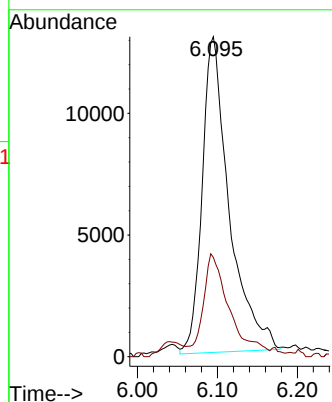
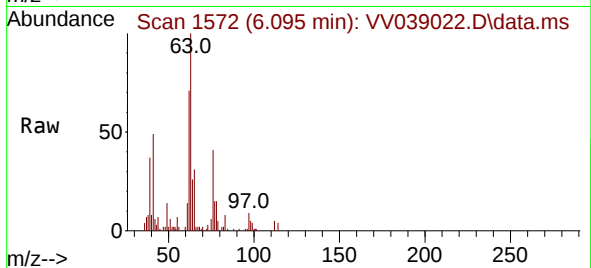
VSTDIC005

Tgt Ion: 63 Resp: 30570

Ion Ratio Lower Upper

63 100

65 30.2 24.2 36.4



#46

Dibromomethane

Concen: 4.771 ug/l

RT: 6.236 min Scan# 1616

Delta R.T. 0.010 min

Lab File: VV039022.D

Acq: 25 Aug 2025 10:08

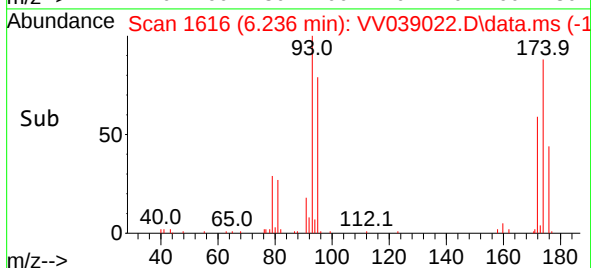
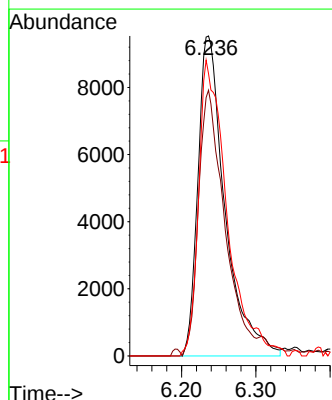
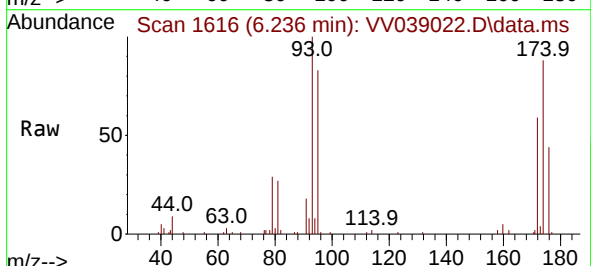
Tgt Ion: 93 Resp: 24151

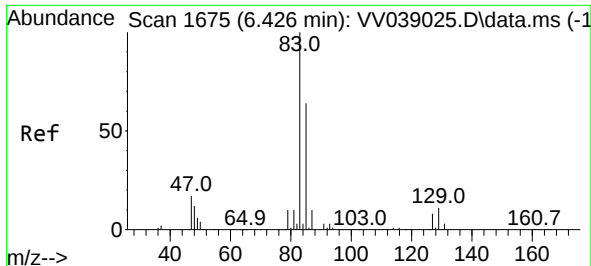
Ion Ratio Lower Upper

93 100

95 80.1 66.1 99.1

174 97.0 73.5 110.3

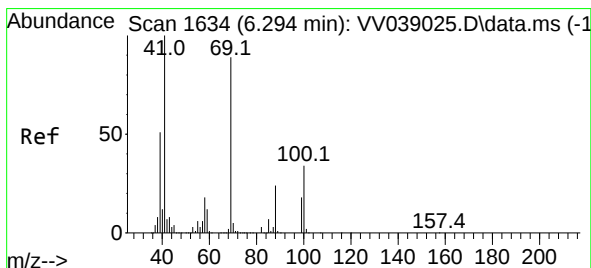
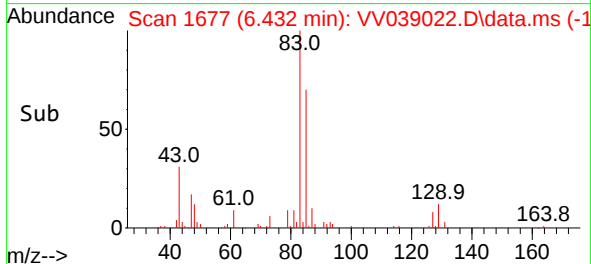
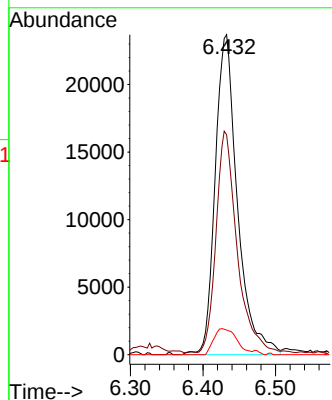
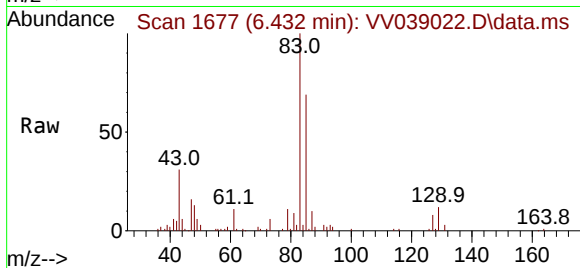




#47
 Bromodichloromethane
 Concen: 4.846 ug/l
 RT: 6.432 min Scan# 1640
 Delta R.T. 0.007 min
 Lab File: VV039022.D
 Acq: 25 Aug 2025 10:08

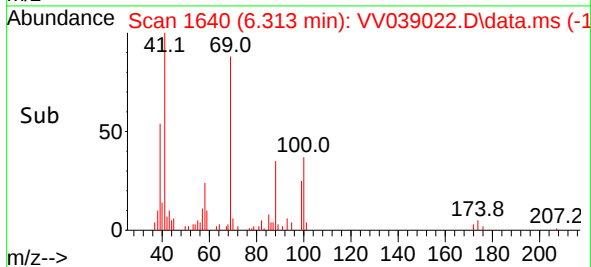
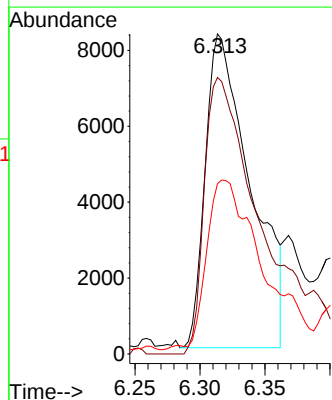
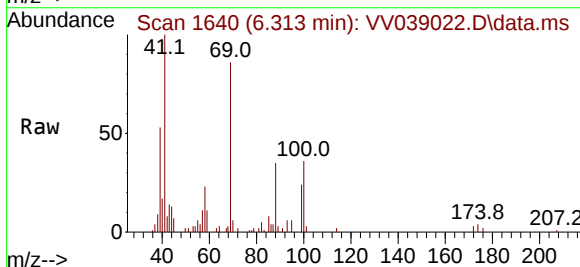
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC005

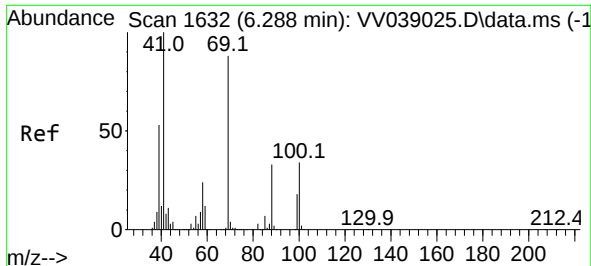
Tgt Ion:	83	Resp:	50542
Ion	Ratio	Lower	Upper
83	100		
85	67.7	51.0	76.4
127	7.7	6.7	10.1



#48
 Methyl methacrylate
 Concen: 2.990 ug/l
 RT: 6.313 min Scan# 1640
 Delta R.T. 0.019 min
 Lab File: VV039022.D
 Acq: 25 Aug 2025 10:08

Tgt Ion:	41	Resp:	20024
Ion	Ratio	Lower	Upper
41	100		
69	116.9	73.5	110.3#
39	64.2	41.3	61.9#





#49

1,4-Dioxane

Concen: 61.642 ug/l

RT: 6.307 min Scan# 1

Delta R.T. 0.019 min

Lab File: VV039022.D

Acq: 25 Aug 2025 10:08

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

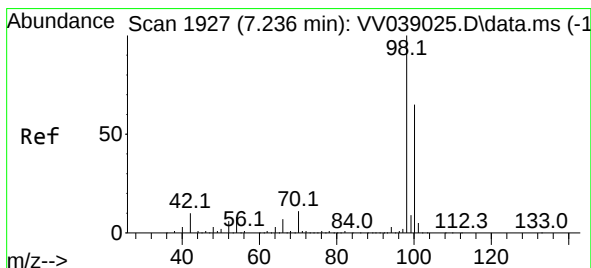
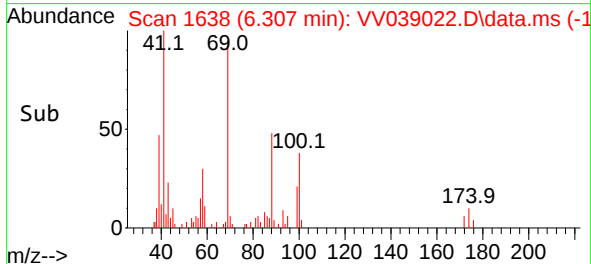
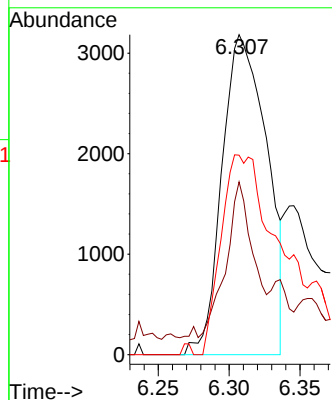
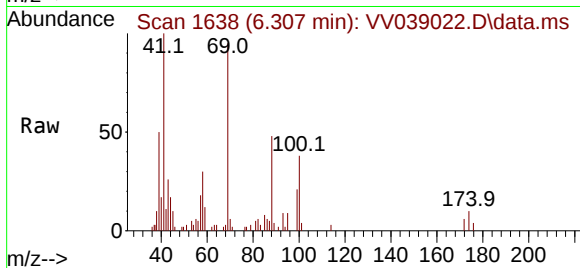
Tgt Ion: 88 Resp: 6987

Ion Ratio Lower Upper

88 100

43 29.8 25.4 38.2

58 79.4 58.4 87.6



#50

Toluene-d8

Concen: 5.062 ug/l

RT: 7.243 min Scan# 1929

Delta R.T. 0.007 min

Lab File: VV039022.D

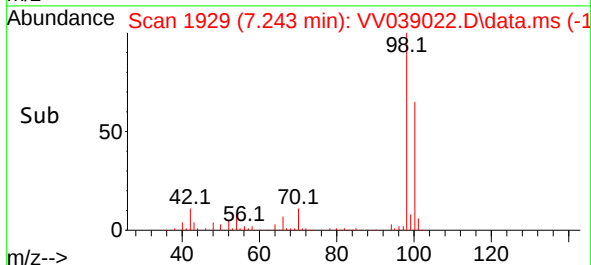
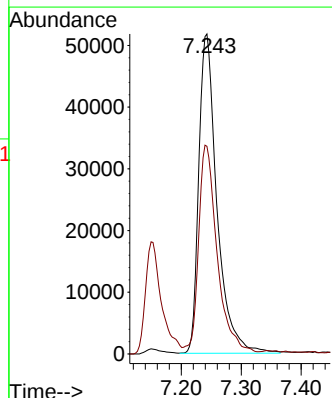
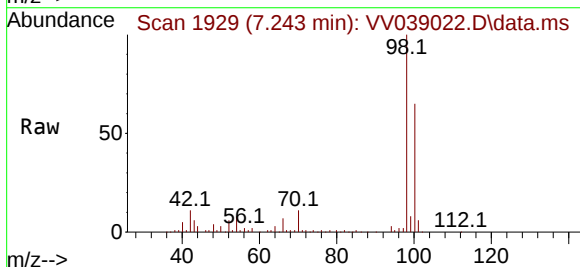
Acq: 25 Aug 2025 10:08

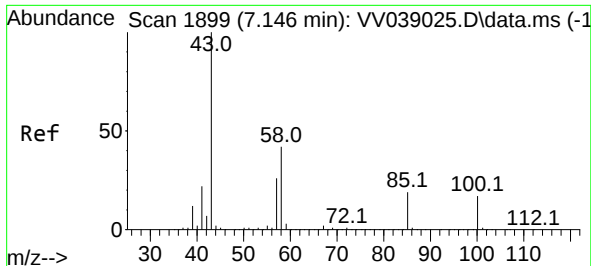
Tgt Ion: 98 Resp: 109577

Ion Ratio Lower Upper

98 100

100 65.4 52.6 79.0

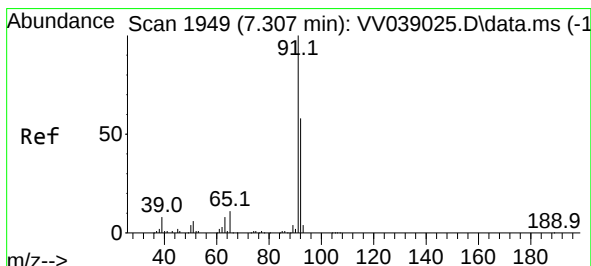
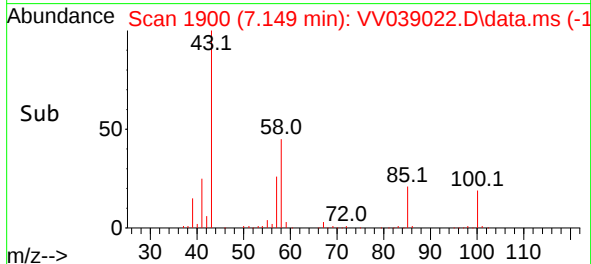
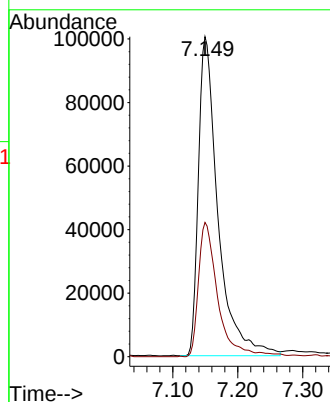
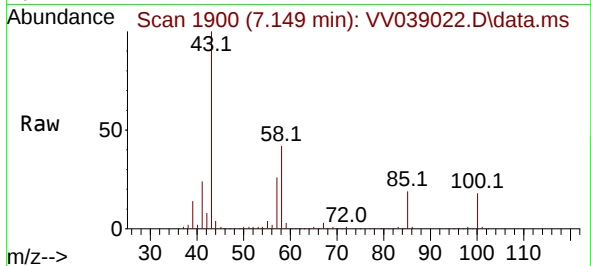




#51
4-Methyl-2-Pentanone
Concen: 21.656 ug/l
RT: 7.149 min Scan# 1900
Delta R.T. 0.003 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

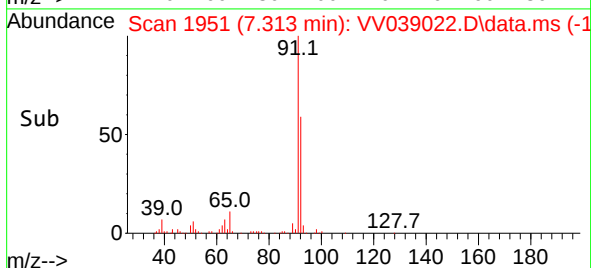
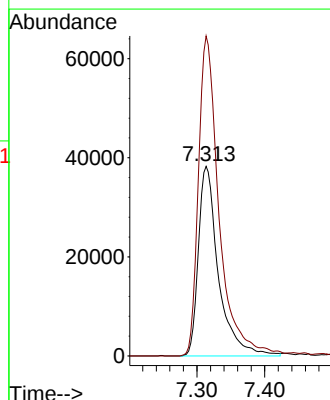
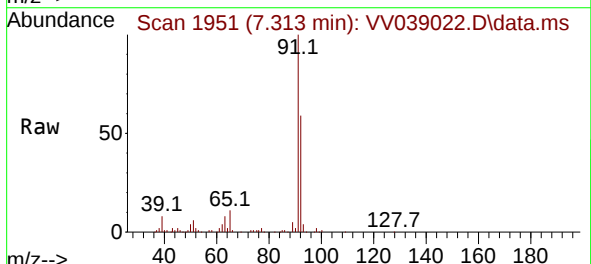
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

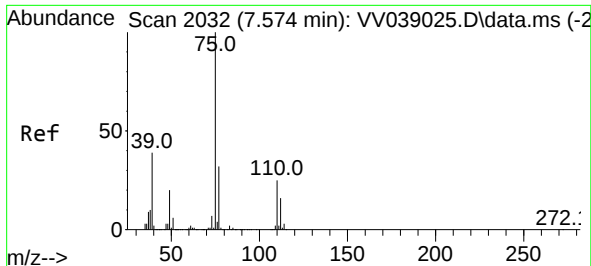
Tgt Ion: 43 Resp: 210821
Ion Ratio Lower Upper
43 100
58 40.3 33.2 49.8



#52
Toluene
Concen: 4.706 ug/l
RT: 7.313 min Scan# 1951
Delta R.T. 0.007 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

Tgt Ion: 92 Resp: 78804
Ion Ratio Lower Upper
92 100
91 173.5 137.8 206.8

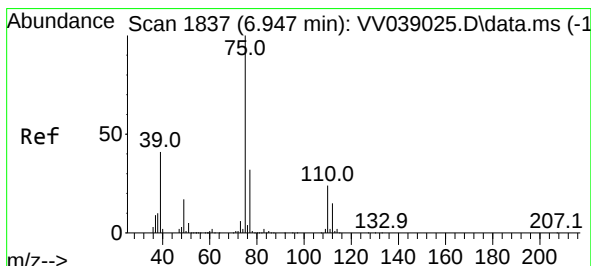
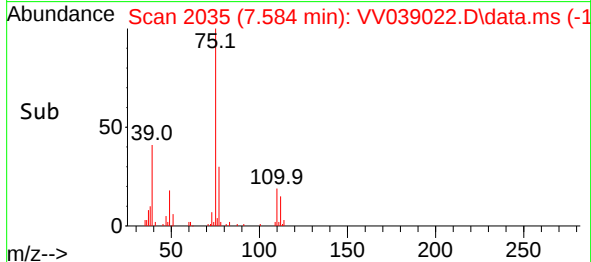
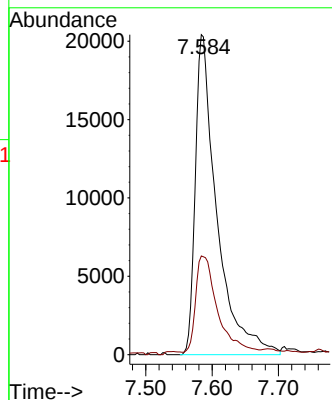
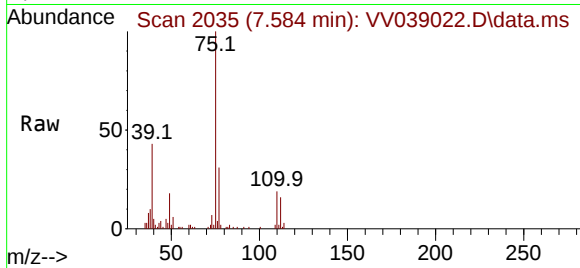




#53
 t-1,3-Dichloropropene
 Concen: 4.587 ug/l
 RT: 7.584 min Scan# 2032
 Delta R.T. 0.010 min
 Lab File: VV039022.D
 Acq: 25 Aug 2025 10:08

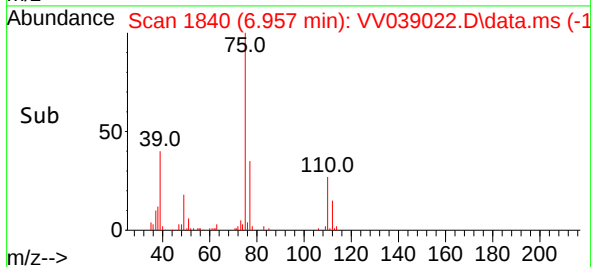
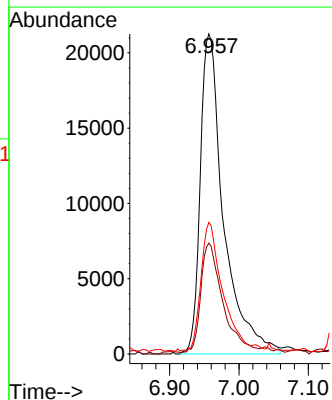
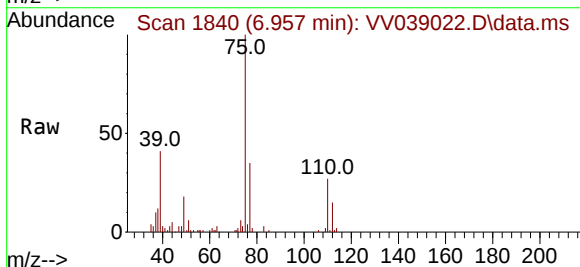
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC005

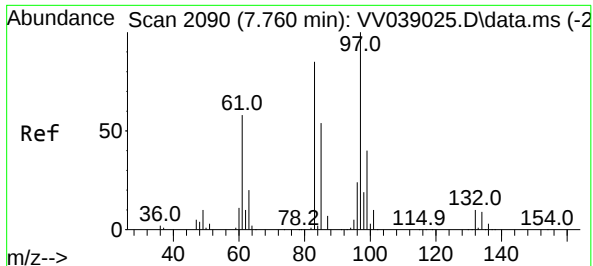
Tgt Ion: 75 Resp: 45929
 Ion Ratio Lower Upper
 75 100
 77 30.0 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 4.631 ug/l
 RT: 6.957 min Scan# 1840
 Delta R.T. 0.010 min
 Lab File: VV039022.D
 Acq: 25 Aug 2025 10:08

Tgt Ion: 75 Resp: 49811
 Ion Ratio Lower Upper
 75 100
 77 34.2 25.6 38.4
 39 40.2 32.5 48.7

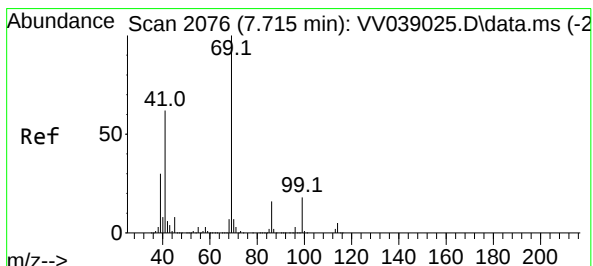
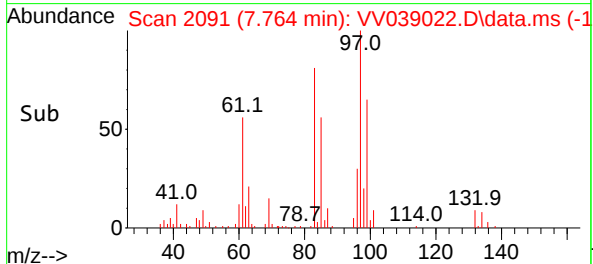
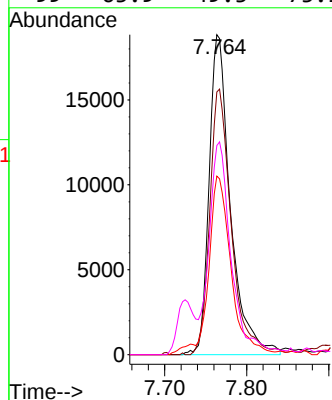
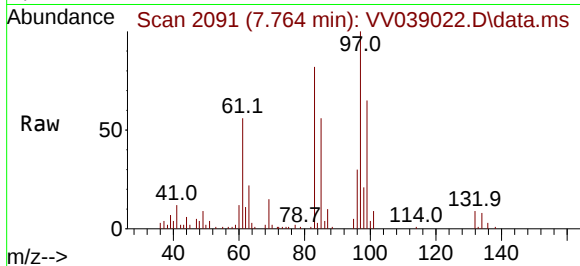




#55
 1,1,2-Trichloroethane
 Concen: 4.869 ug/l
 RT: 7.764 min Scan# 2090
 Delta R.T. 0.003 min
 Lab File: VV039022.D
 Acq: 25 Aug 2025 10:08

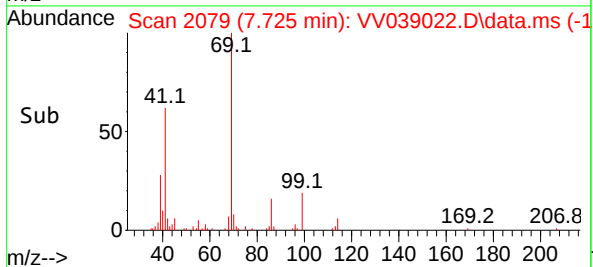
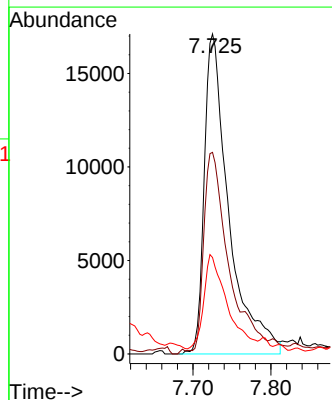
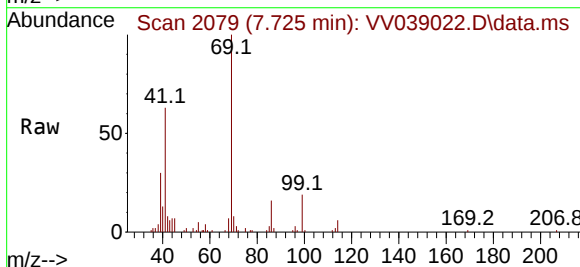
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC005

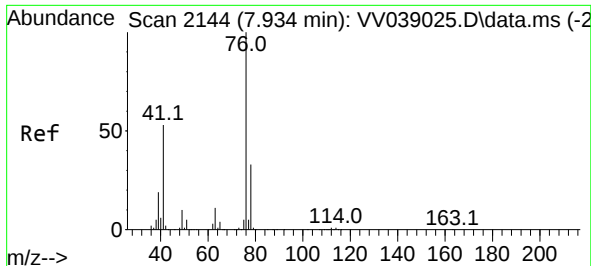
Tgt Ion:	97	Resp:	34019
Ion	Ratio	Lower	Upper
97	100		
83	82.1	68.1	102.1
85	54.7	44.5	66.7
99	63.9	49.3	73.9



#56
 Ethyl methacrylate
 Concen: 4.034 ug/l
 RT: 7.725 min Scan# 2079
 Delta R.T. 0.010 min
 Lab File: VV039022.D
 Acq: 25 Aug 2025 10:08

Tgt Ion:	69	Resp:	37386
Ion	Ratio	Lower	Upper
69	100		
41	61.5	49.4	74.2
39	27.7	24.0	36.0





#57

1,3-Dichloropropane

Concen: 4.870 ug/l

RT: 7.940 min Scan# 2144

Delta R.T. 0.007 min

Lab File: VV039022.D

Acq: 25 Aug 2025 10:08

Instrument :

MSVOA_V

ClientSampleId :

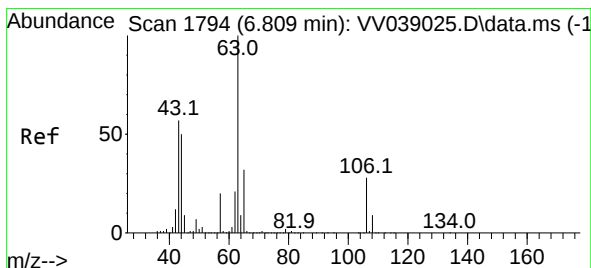
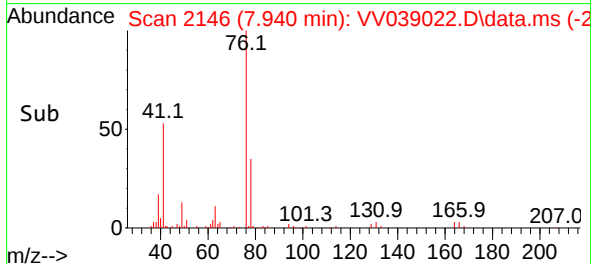
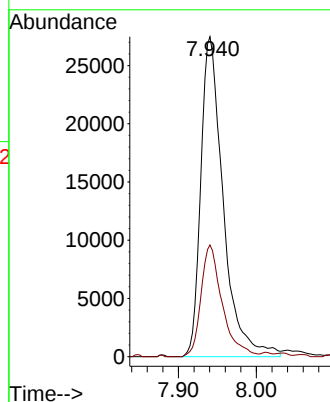
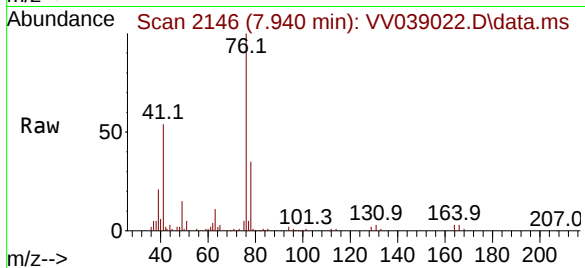
VSTDIC005

Tgt Ion: 76 Resp: 54927

Ion Ratio Lower Upper

76 100

78 33.0 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 20.601 ug/l

RT: 6.818 min Scan# 1797

Delta R.T. 0.010 min

Lab File: VV039022.D

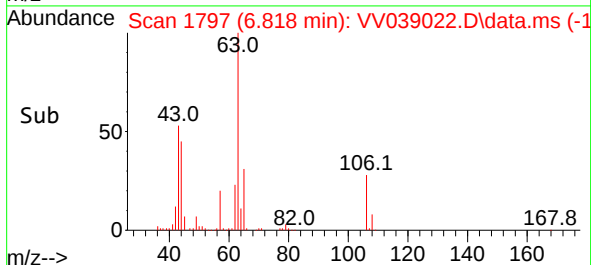
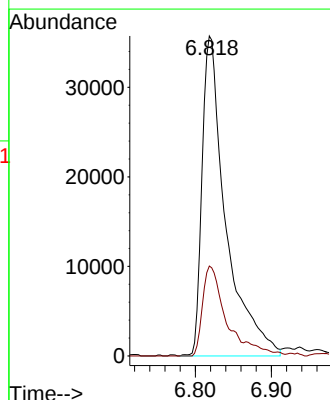
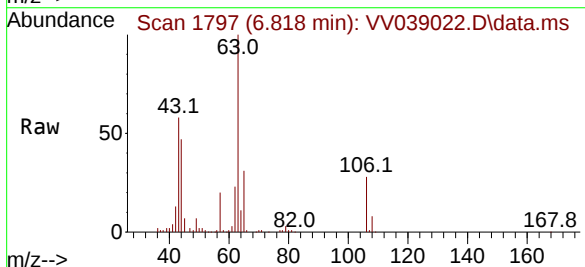
Acq: 25 Aug 2025 10:08

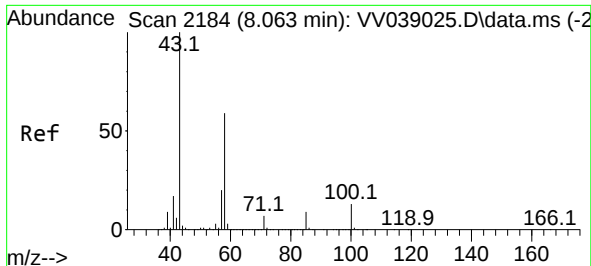
Tgt Ion: 63 Resp: 77483

Ion Ratio Lower Upper

63 100

106 28.6 22.3 33.5

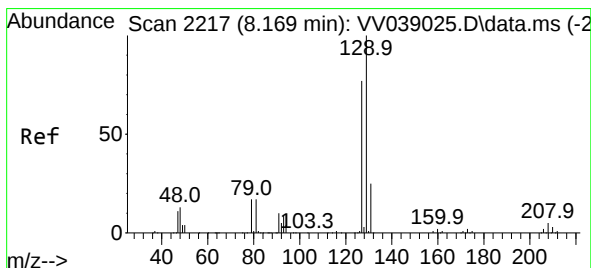
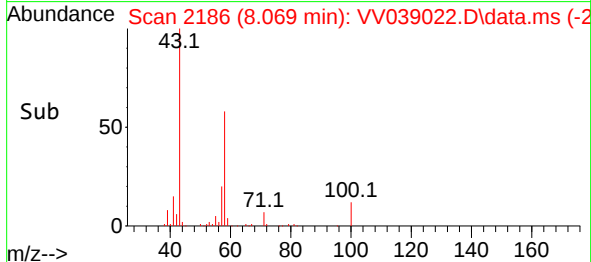
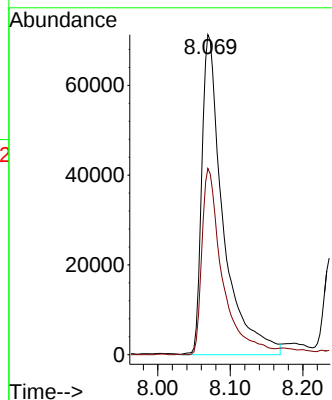
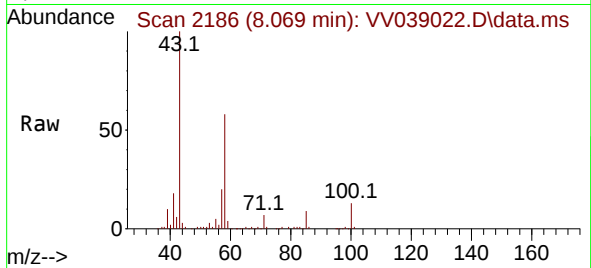




#59
2-Hexanone
Concen: 20.169 ug/l
RT: 8.069 min Scan# 2184
Delta R.T. 0.007 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

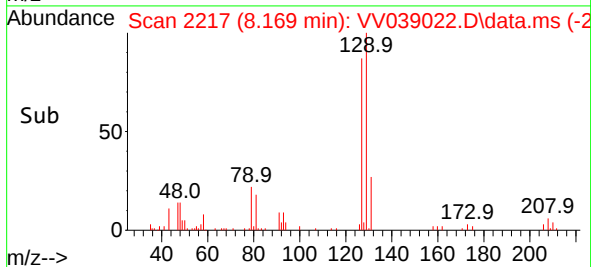
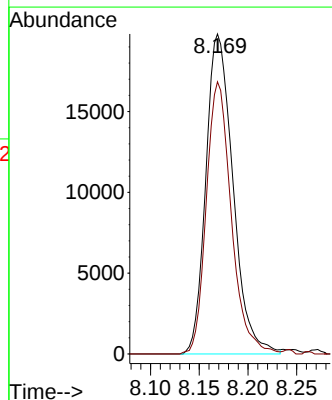
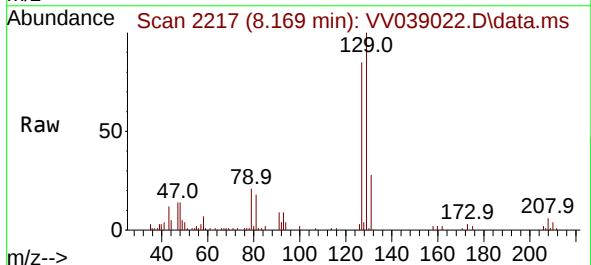
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

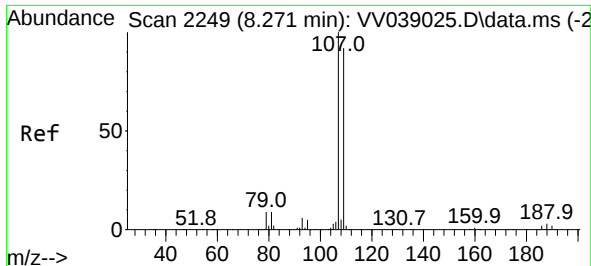
Tgt Ion: 43 Resp: 145234
Ion Ratio Lower Upper
43 100
58 56.0 28.8 86.4



#60
Dibromochloromethane
Concen: 4.741 ug/l
RT: 8.169 min Scan# 2217
Delta R.T. 0.000 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

Tgt Ion: 129 Resp: 38320
Ion Ratio Lower Upper
129 100
127 78.4 39.0 117.0





#61

1,2-Dibromoethane

Concen: 4.677 ug/l

RT: 8.278 min Scan# 21

Delta R.T. 0.007 min

Lab File: VV039022.D

Acq: 25 Aug 2025 10:08

Instrument :

MSVOA_V

ClientSampleId :

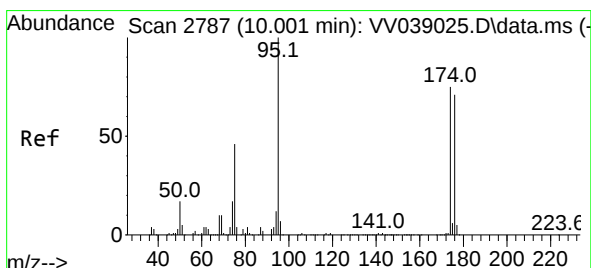
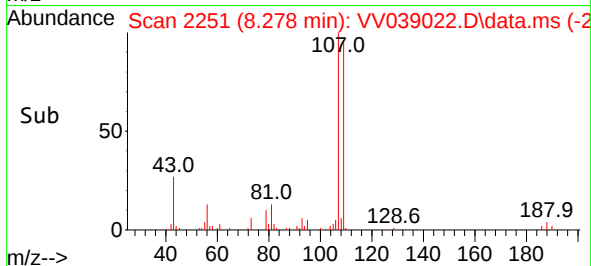
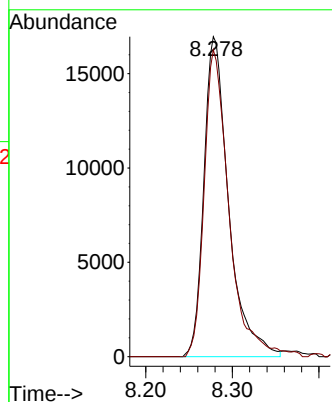
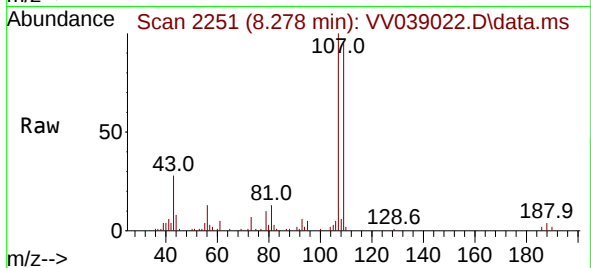
VSTDIC005

Tgt Ion:107 Resp: 33724

Ion Ratio Lower Upper

107 100

109 96.3 75.1 112.7



#62

4-Bromofluorobenzene

Concen: 4.849 ug/l

RT: 10.005 min Scan# 2788

Delta R.T. 0.003 min

Lab File: VV039022.D

Acq: 25 Aug 2025 10:08

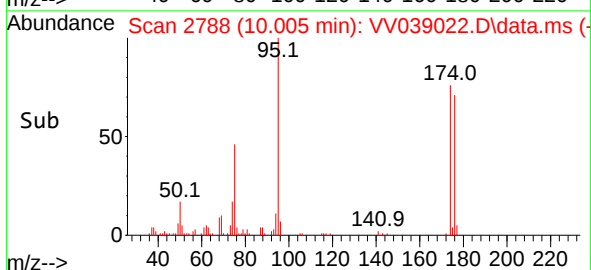
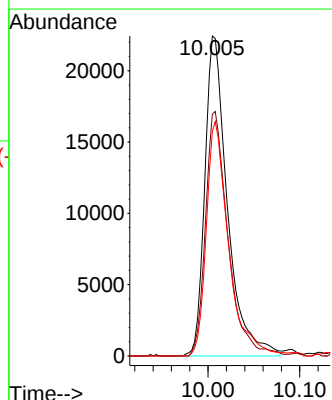
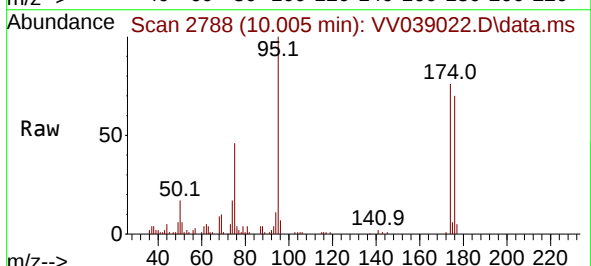
Tgt Ion: 95 Resp: 38458

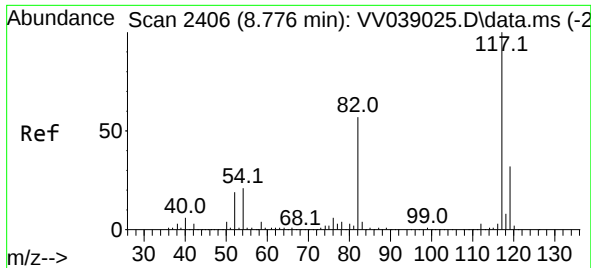
Ion Ratio Lower Upper

95 100

174 76.0 0.0 150.4

176 72.2 0.0 144.2

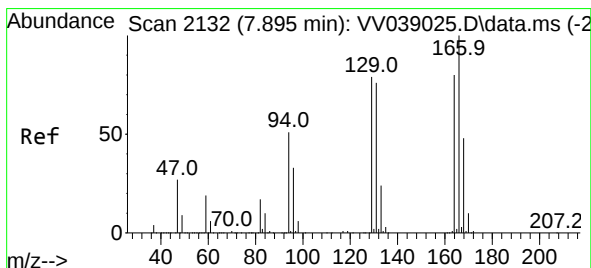
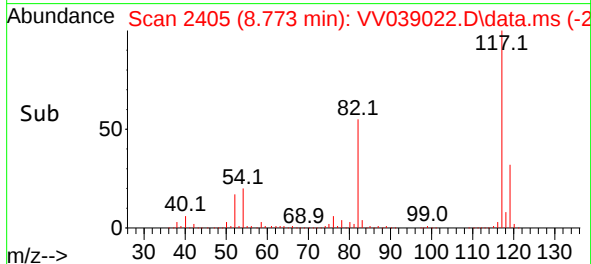
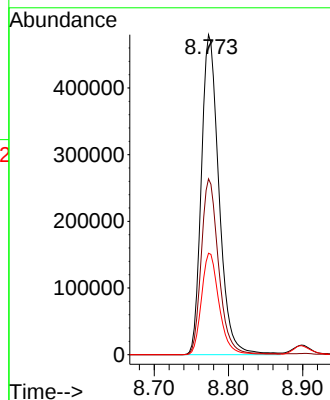
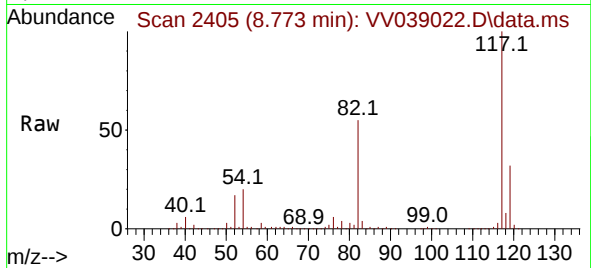




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2406
Delta R.T. -0.003 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

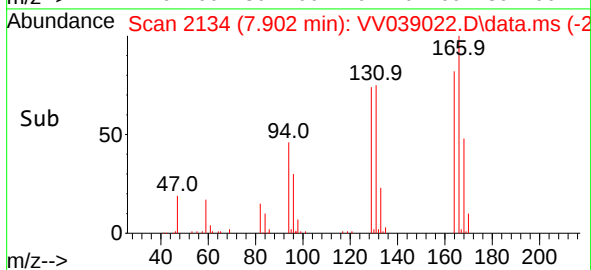
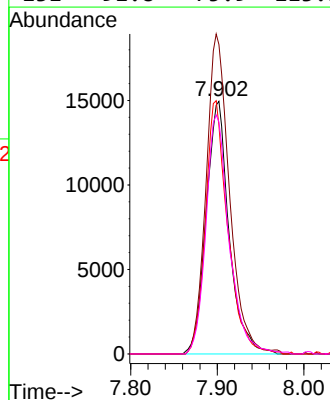
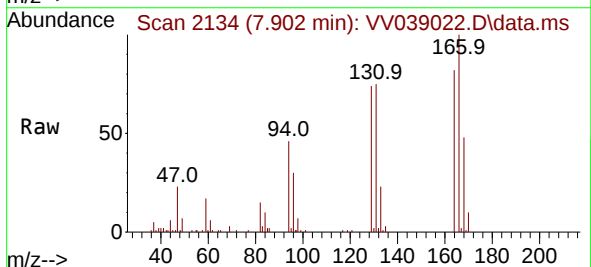
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

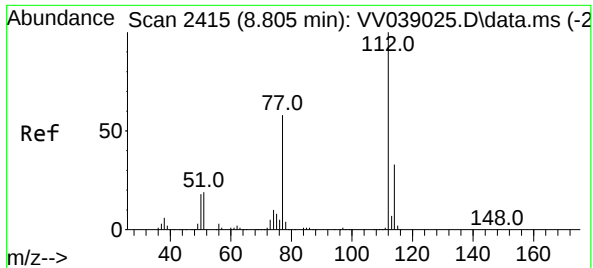
Tgt Ion:117 Resp: 791718
Ion Ratio Lower Upper
117 100
82 54.9 45.6 68.4
119 31.7 25.4 38.0



#64
Tetrachloroethene
Concen: 4.902 ug/l
RT: 7.902 min Scan# 2134
Delta R.T. 0.007 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

Tgt Ion:164 Resp: 27588
Ion Ratio Lower Upper
164 100
166 122.4 99.7 149.5
129 90.4 78.5 117.7
131 91.8 75.9 113.9

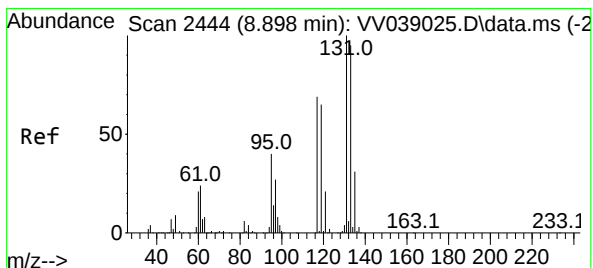
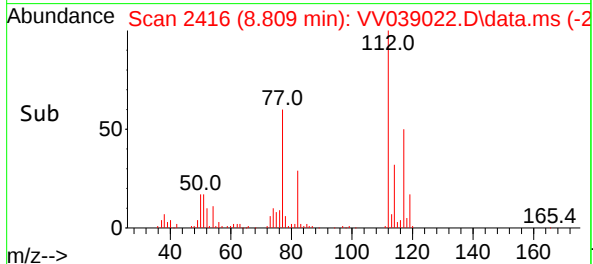
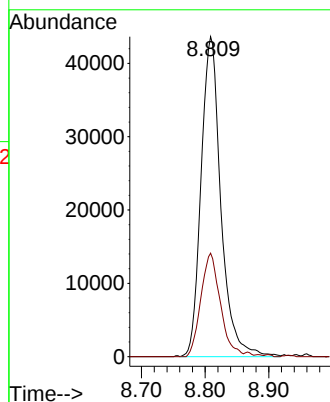
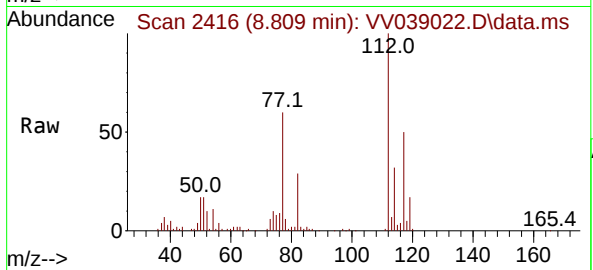




#65
Chlorobenzene
Concen: 4.985 ug/l
RT: 8.809 min Scan# 2415
Delta R.T. 0.003 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

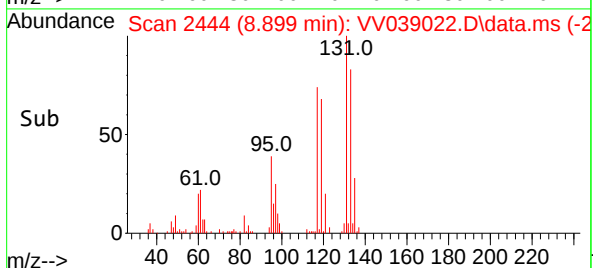
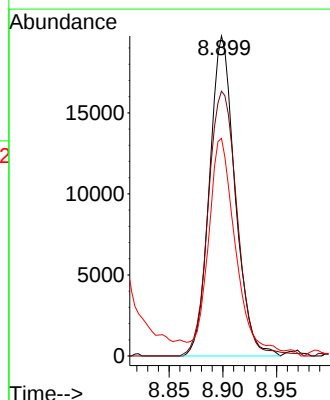
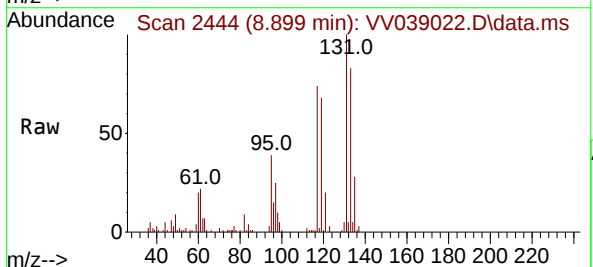
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

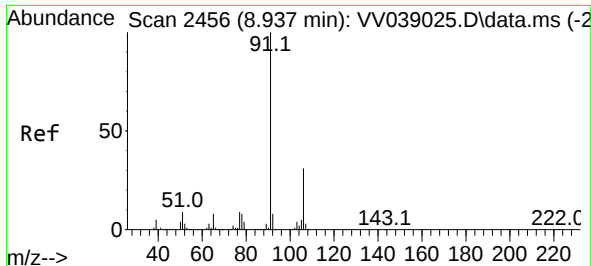
Tgt Ion:112 Resp: 94431
Ion Ratio Lower Upper
112 100
114 32.3 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 4.938 ug/l
RT: 8.899 min Scan# 2444
Delta R.T. 0.000 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

Tgt Ion:131 Resp: 32659
Ion Ratio Lower Upper
131 100
133 93.6 47.6 142.9
119 68.6 33.3 99.8





#67

Ethyl Benzene

Concen: 4.557 ug/l

RT: 8.940 min Scan# 2456

Delta R.T. 0.003 min

Lab File: VV039022.D

Acq: 25 Aug 2025 10:08

Instrument :

MSVOA_V

ClientSampleId :

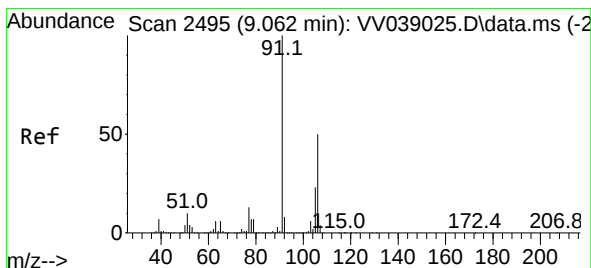
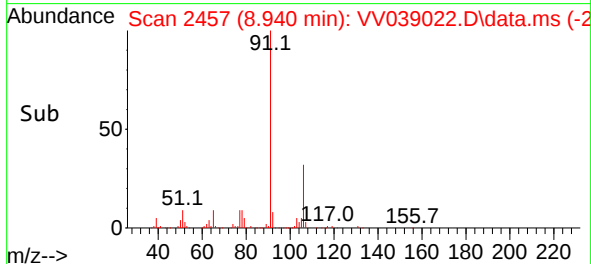
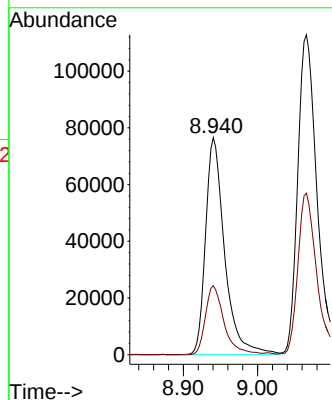
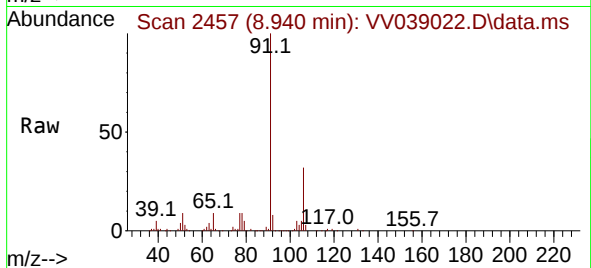
VSTDIC005

Tgt Ion: 91 Resp: 136595

Ion Ratio Lower Upper

91 100

106 31.8 24.6 37.0



#68

m/p-Xylenes

Concen: 8.795 ug/l

RT: 9.066 min Scan# 2496

Delta R.T. 0.003 min

Lab File: VV039022.D

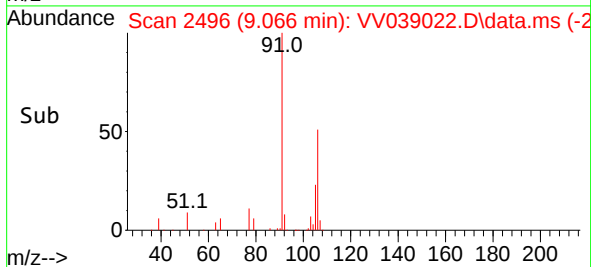
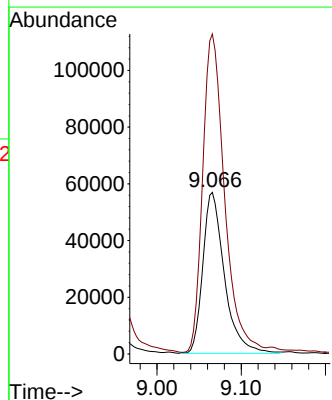
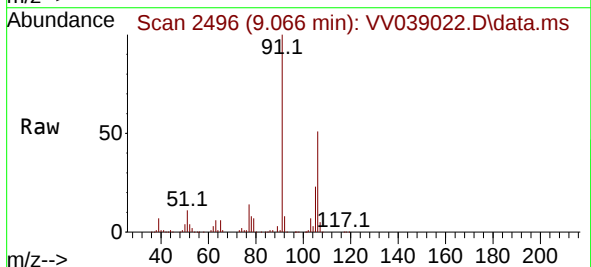
Acq: 25 Aug 2025 10:08

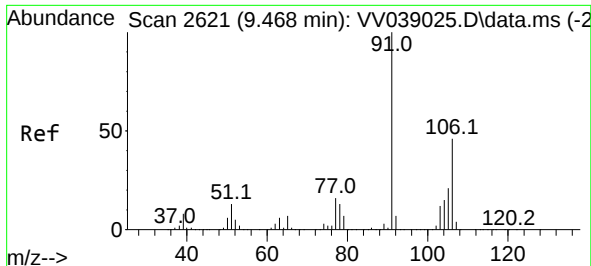
Tgt Ion: 106 Resp: 101356

Ion Ratio Lower Upper

106 100

91 200.1 162.4 243.6

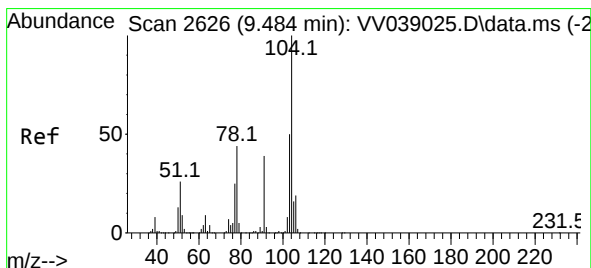
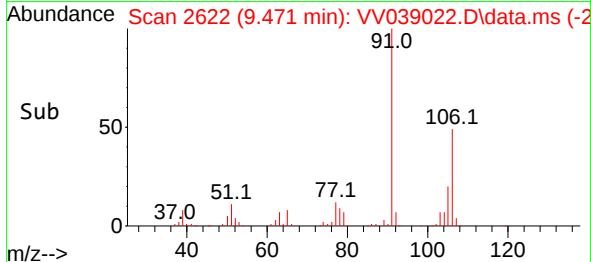
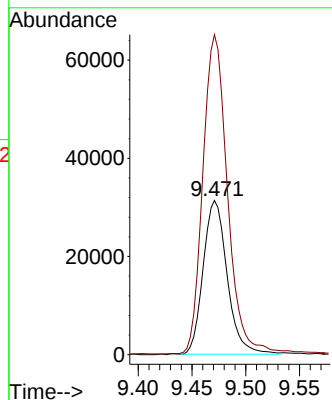
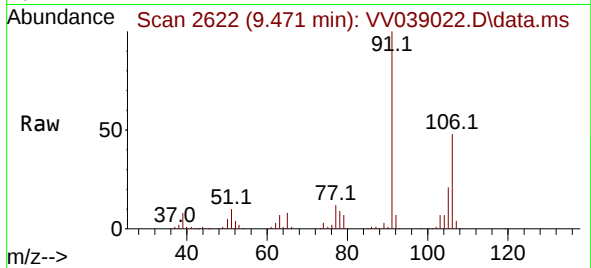




#69
o-Xylene
Concen: 4.609 ug/l
RT: 9.471 min Scan# 2621
Delta R.T. 0.003 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

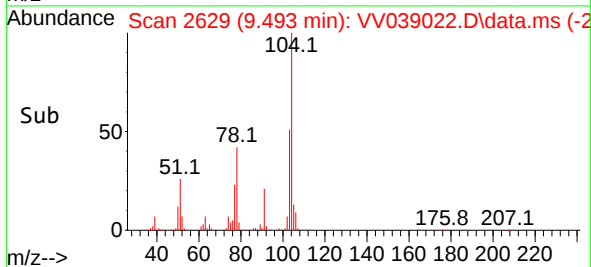
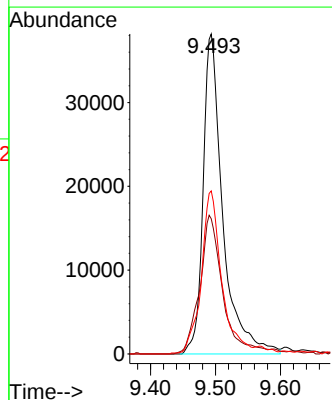
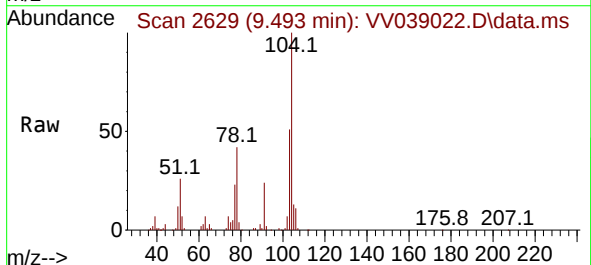
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

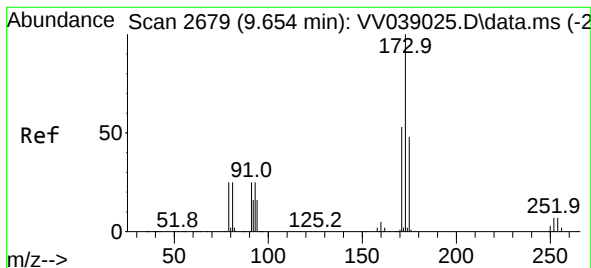
Tgt Ion:106 Resp: 48635
Ion Ratio Lower Upper
106 100
91 215.3 106.7 320.1



#70
Styrene
Concen: 4.331 ug/l
RT: 9.493 min Scan# 2629
Delta R.T. 0.010 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

Tgt Ion:104 Resp: 80510
Ion Ratio Lower Upper
104 100
78 50.5 39.3 58.9
103 52.7 43.2 64.8





#71

Bromoform

Concen: 4.854 ug/l

RT: 9.657 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV039022.D

Acq: 25 Aug 2025 10:08

Instrument :

MSVOA_V

ClientSampleId :

VSTDICC005

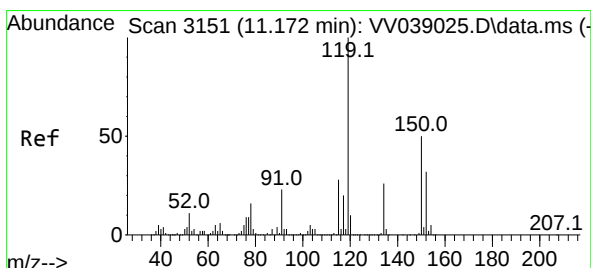
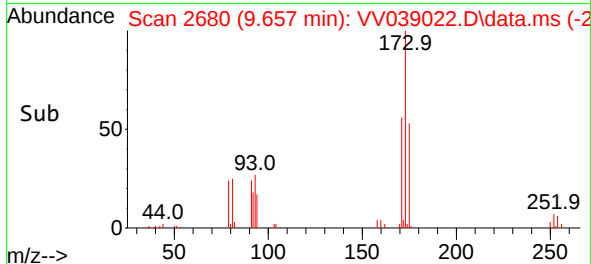
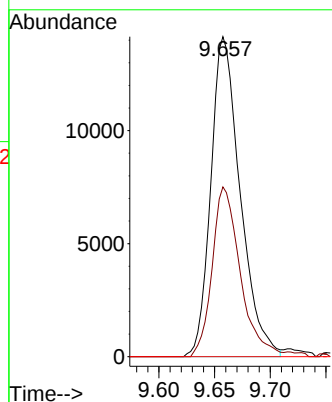
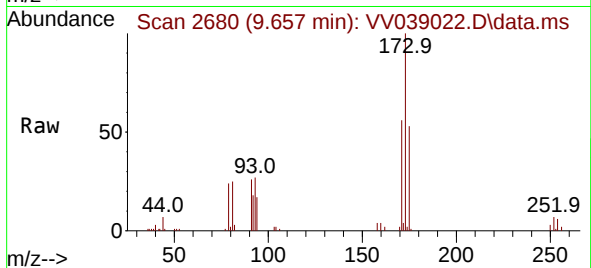
Tgt Ion:173 Resp: 25962

Ion Ratio Lower Upper

173 100

175 50.7 24.3 72.9

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.175 min Scan# 3152

Delta R.T. 0.003 min

Lab File: VV039022.D

Acq: 25 Aug 2025 10:08

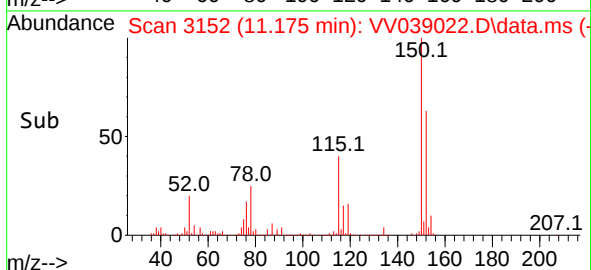
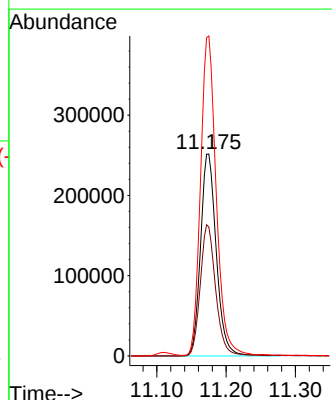
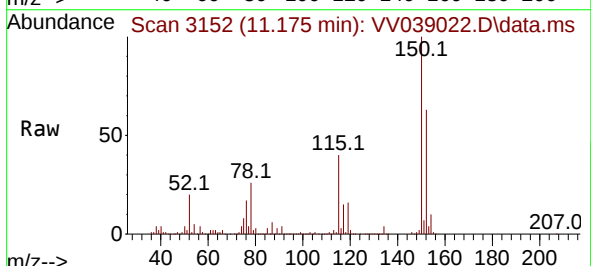
Tgt Ion:152 Resp: 398135

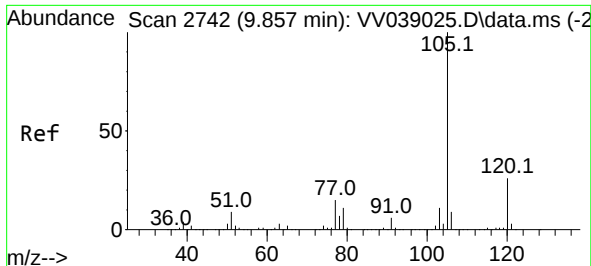
Ion Ratio Lower Upper

152 100

115 63.6 44.0 132.1

150 156.6 0.0 352.2

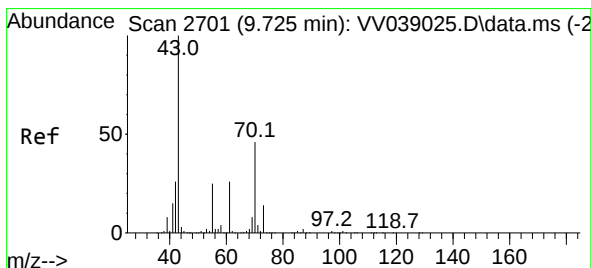
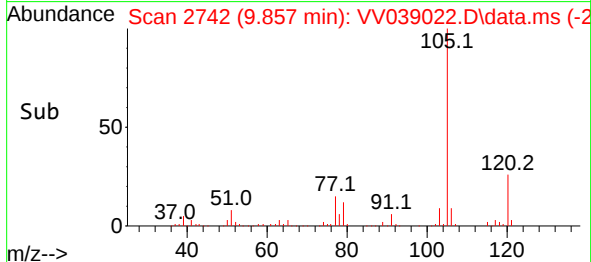
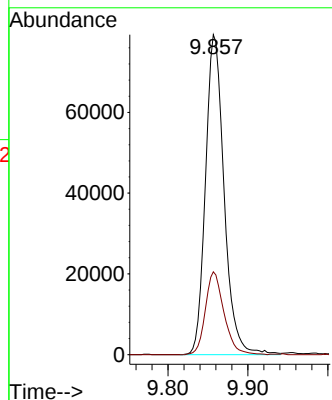
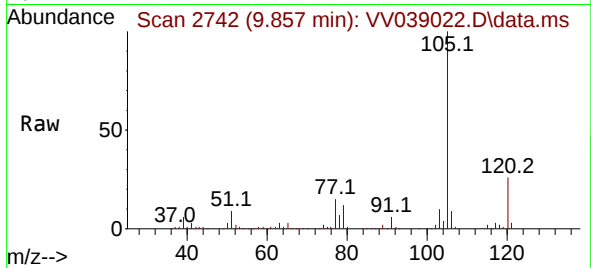




#73
Isopropylbenzene
Concen: 4.602 ug/l
RT: 9.857 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

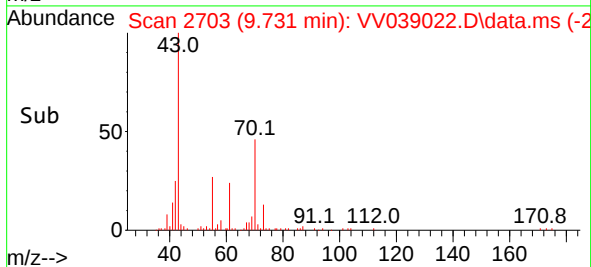
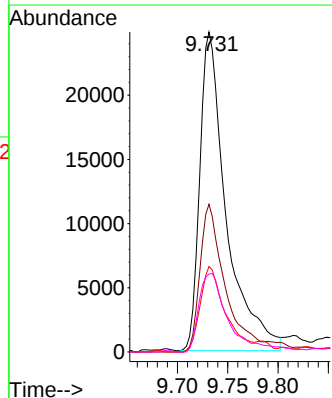
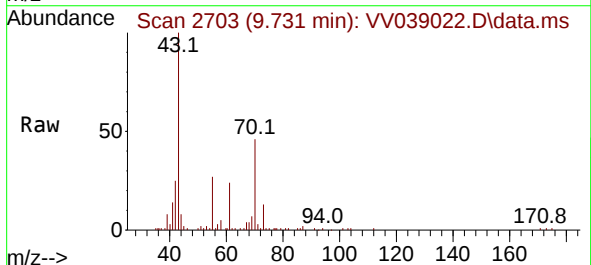
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

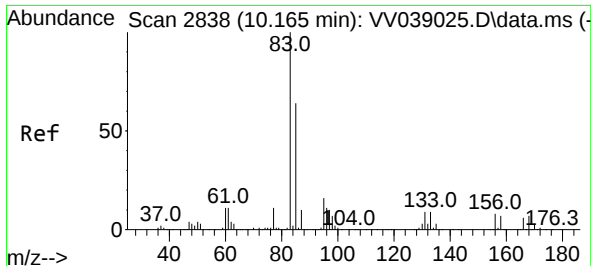
Tgt Ion:105 Resp: 128418
Ion Ratio Lower Upper
105 100
120 25.9 13.2 39.5



#74
N-ethyl acetate
Concen: 3.960 ug/l
RT: 9.731 min Scan# 2703
Delta R.T. 0.007 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

Tgt Ion: 43 Resp: 45411
Ion Ratio Lower Upper
43 100
70 43.7 36.4 54.6
55 25.4 20.6 30.8
61 27.5 20.6 30.8

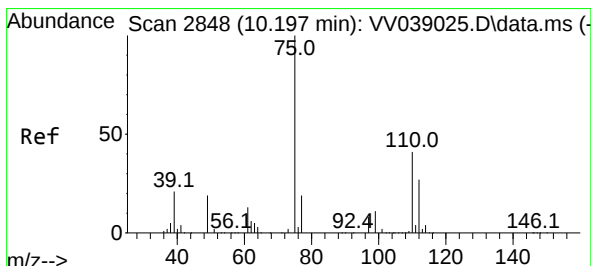
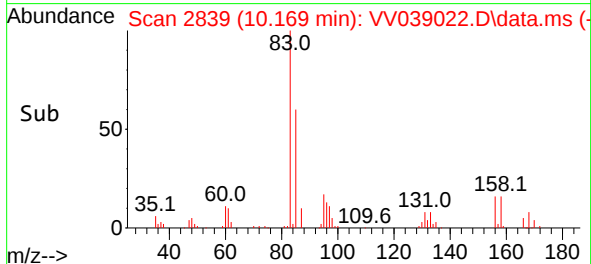
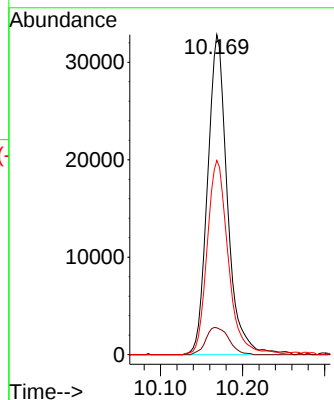
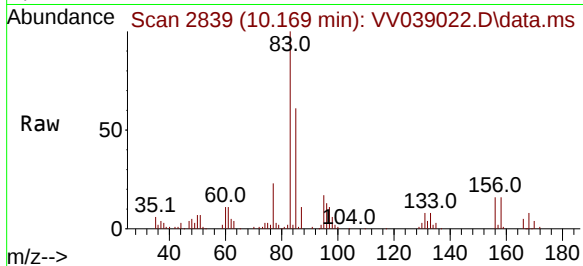




#75
 1,1,2,2-Tetrachloroethane
 Concen: 5.001 ug/l
 RT: 10.169 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV039022.D
 Acq: 25 Aug 2025 10:08

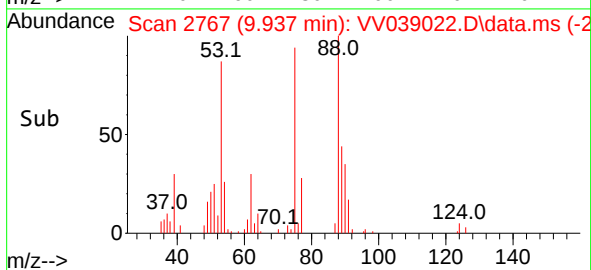
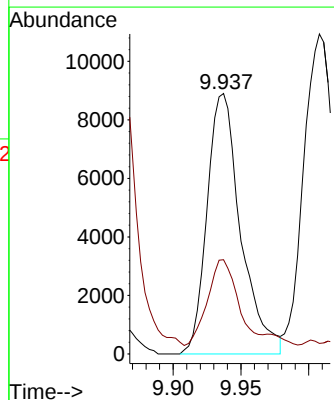
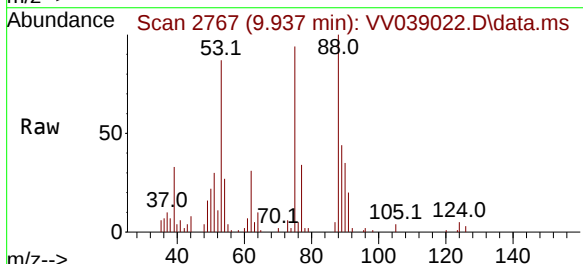
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC005

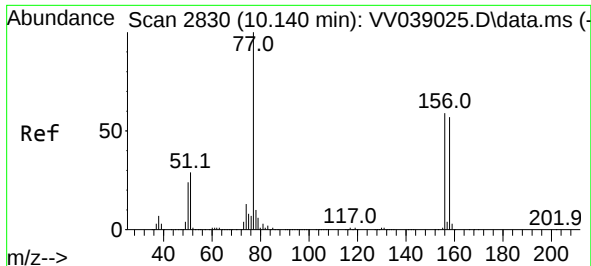
Tgt Ion: 83 Resp: 54975
 Ion Ratio Lower Upper
 83 100
 131 9.9 4.7 14.0
 85 64.8 31.8 95.4



#76
 1,2,3-Trichloropropane
 Concen: 1.967 ug/l
 RT: 9.937 min Scan# 2767
 Delta R.T. -0.260 min
 Lab File: VV039022.D
 Acq: 25 Aug 2025 10:08

Tgt Ion: 75 Resp: 15374
 Ion Ratio Lower Upper
 75 100
 77 29.8 11.9 35.5

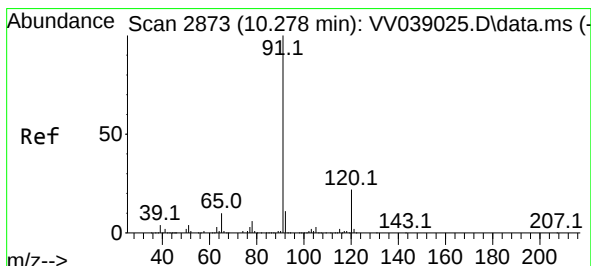
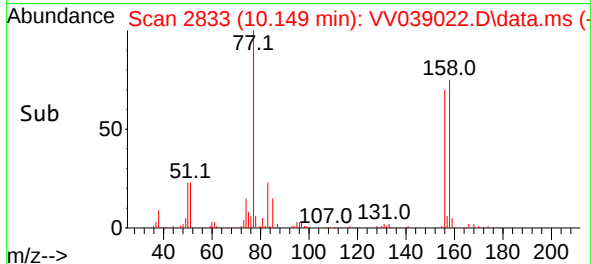
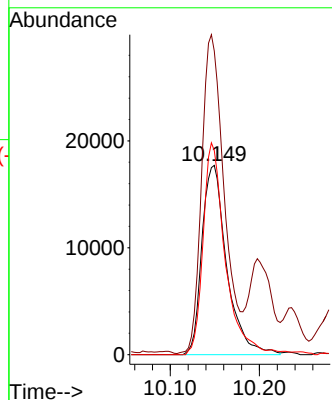
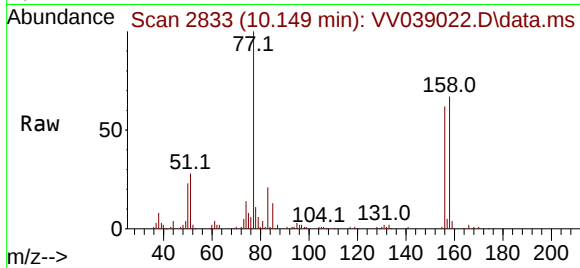




#77
Bromobenzene
Concen: 4.958 ug/l
RT: 10.149 min Scan# 2833
Delta R.T. 0.010 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

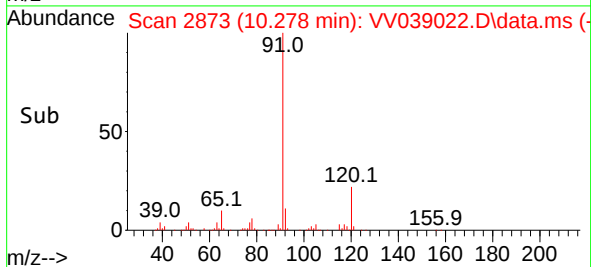
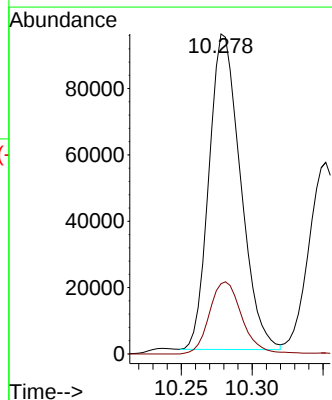
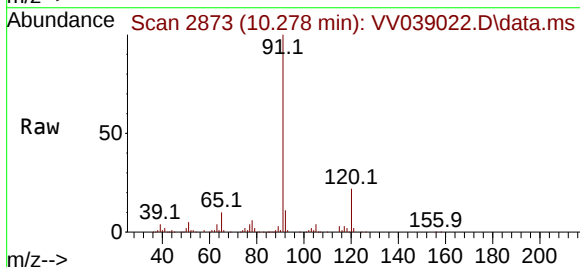
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

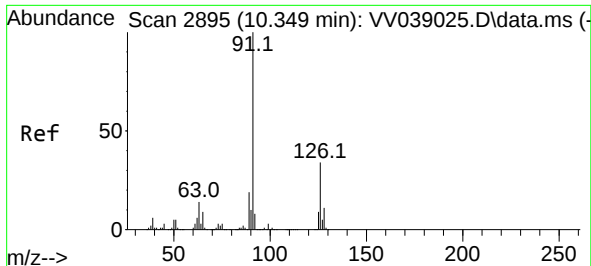
Tgt Ion:156 Resp: 34275
Ion Ratio Lower Upper
156 100
77 152.2 82.5 247.7
158 98.8 49.4 148.0



#78
n-propylbenzene
Concen: 4.463 ug/l
RT: 10.278 min Scan# 2873
Delta R.T. 0.000 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

Tgt Ion: 91 Resp: 146989
Ion Ratio Lower Upper
91 100
120 23.6 11.2 33.6

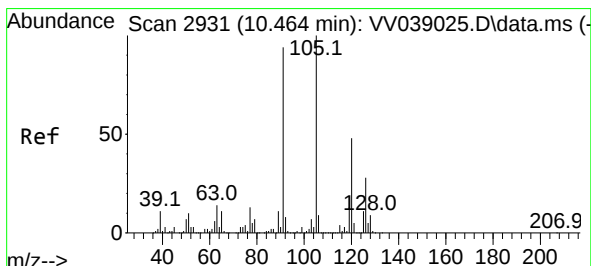
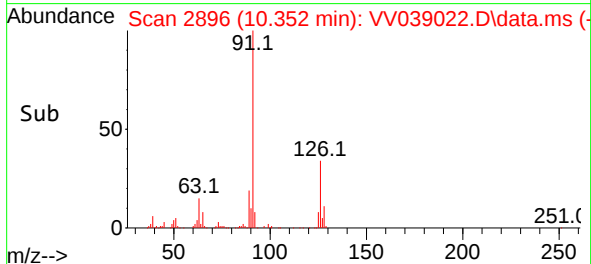
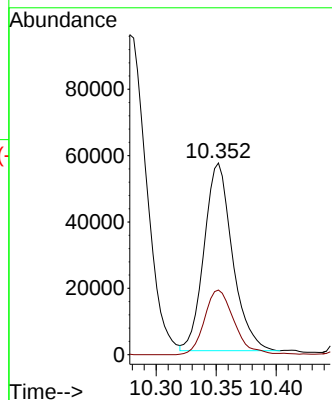
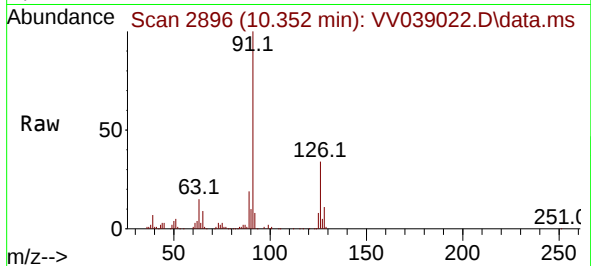




#79
2-Chlorotoluene
Concen: 4.588 ug/l
RT: 10.352 min Scan# 2896
Delta R.T. 0.003 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

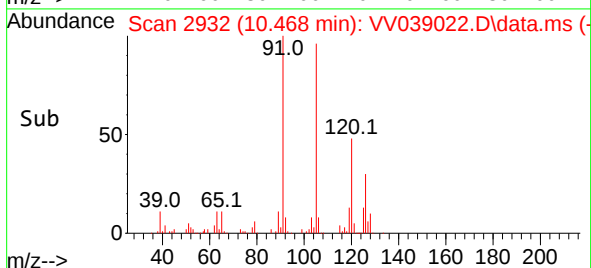
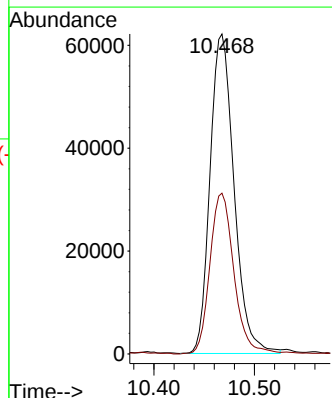
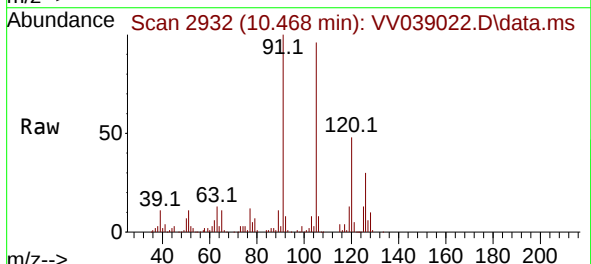
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

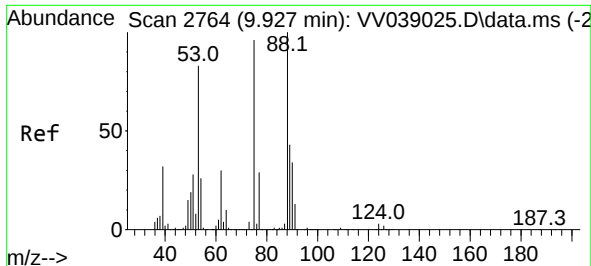
Tgt Ion: 91 Resp: 93119
Ion Ratio Lower Upper
91 100
126 35.8 16.7 50.1



#80
1,3,5-Trimethylbenzene
Concen: 4.500 ug/l
RT: 10.468 min Scan# 2932
Delta R.T. 0.003 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

Tgt Ion: 105 Resp: 103040
Ion Ratio Lower Upper
105 100
120 50.3 23.9 71.8

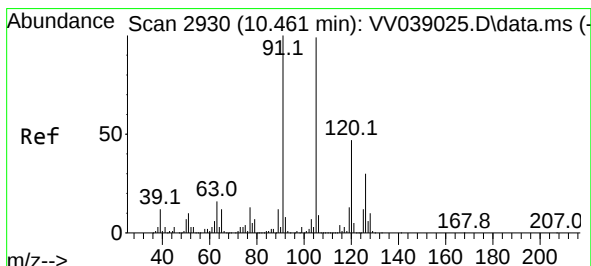
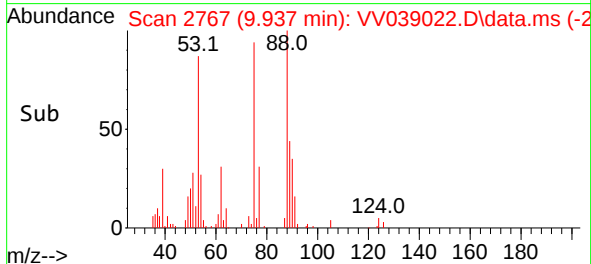
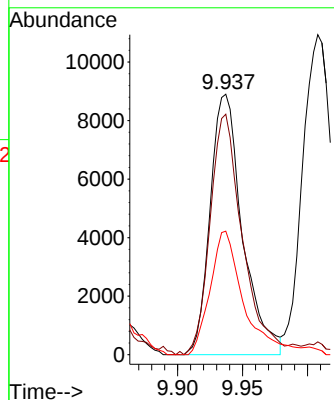
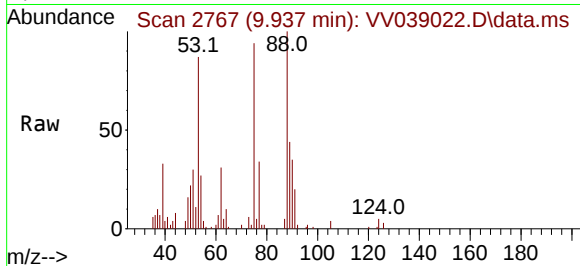




#81
trans-1,4-Dichloro-2-butene
Concen: 4.326 ug/l
RT: 9.937 min Scan# 21
Delta R.T. 0.010 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

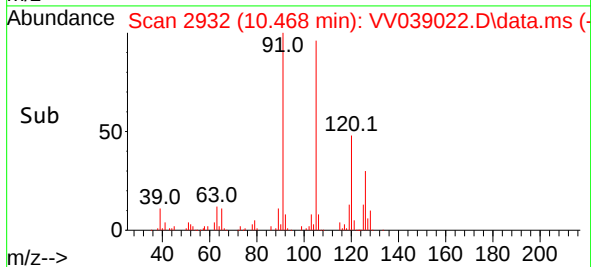
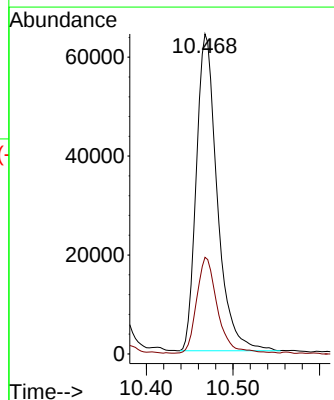
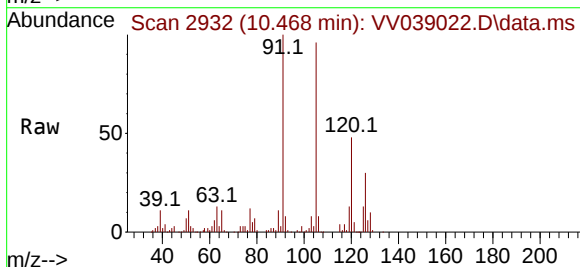
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

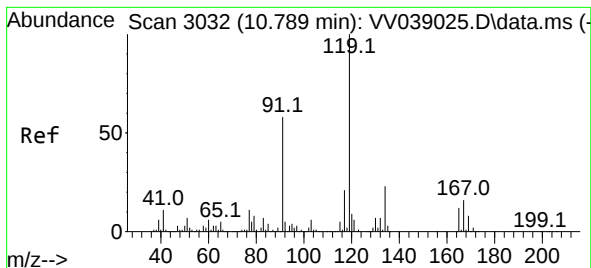
Tgt Ion: 75 Resp: 15375
Ion Ratio Lower Upper
75 100
53 92.5 70.2 105.4
89 49.4 36.5 54.7



#82
4-Chlorotoluene
Concen: 4.651 ug/l
RT: 10.468 min Scan# 2932
Delta R.T. 0.007 min
Lab File: VV039022.D
Acq: 25 Aug 2025 10:08

Tgt Ion: 91 Resp: 107387
Ion Ratio Lower Upper
91 100
126 30.0 14.9 44.5





#83

tert-Butylbenzene

Concen: 4.786 ug/l

RT: 10.789 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VV039022.D

Acq: 25 Aug 2025 10:08

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

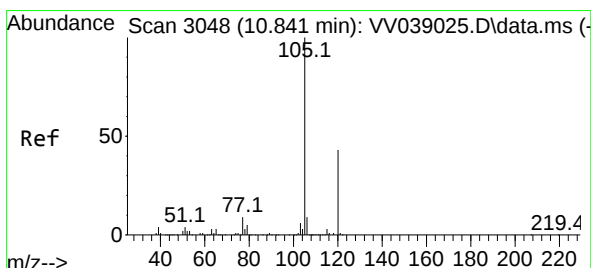
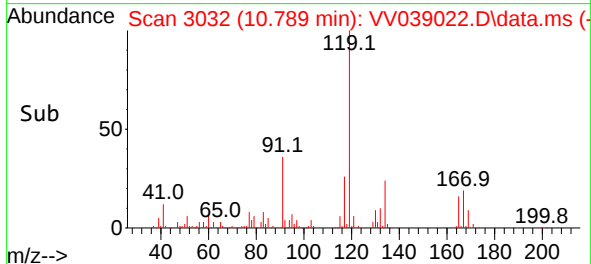
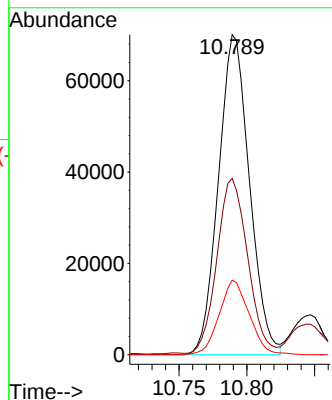
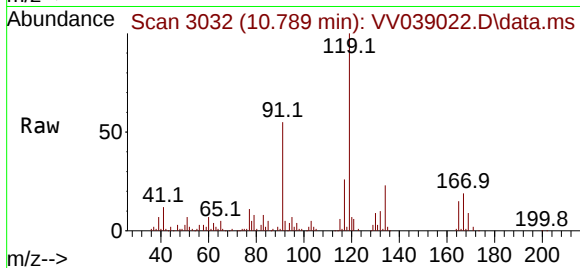
Tgt Ion:119 Resp: 111489

Ion Ratio Lower Upper

119 100

91 53.8 28.1 84.4

134 22.5 11.4 34.2



#84

1,2,4-Trimethylbenzene

Concen: 4.408 ug/l

RT: 10.844 min Scan# 3049

Delta R.T. 0.003 min

Lab File: VV039022.D

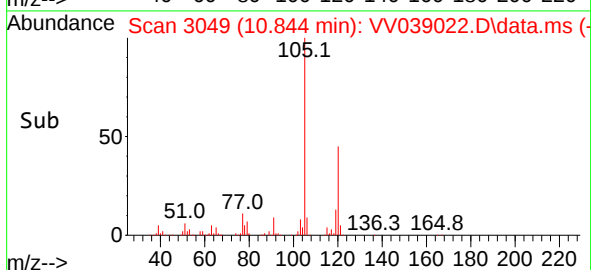
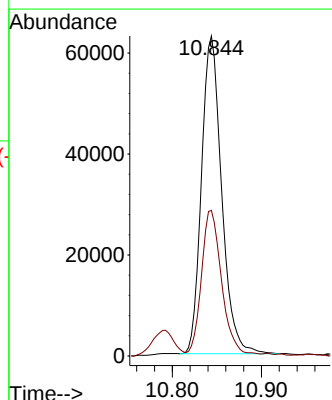
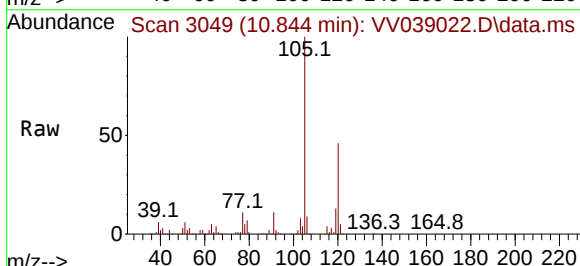
Acq: 25 Aug 2025 10:08

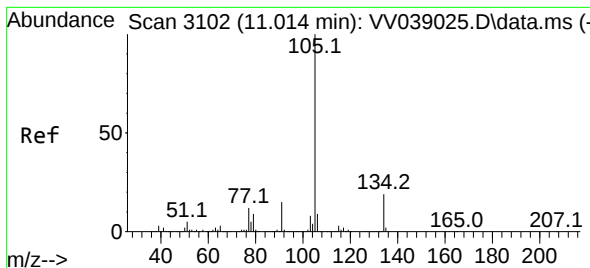
Tgt Ion:105 Resp: 98770

Ion Ratio Lower Upper

105 100

120 44.9 22.6 67.8





#85

sec-Butylbenzene

Concen: 4.558 ug/l

RT: 11.014 min Scan# 3102

Delta R.T. 0.000 min

Lab File: VV039022.D

Acq: 25 Aug 2025 10:08

Instrument :

MSVOA_V

ClientSampleId :

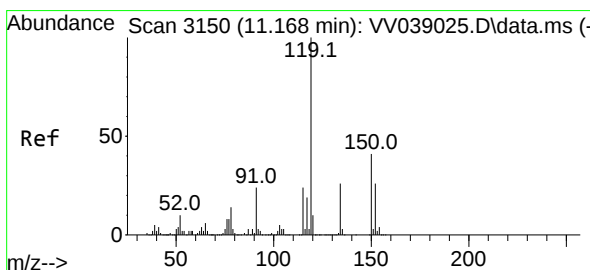
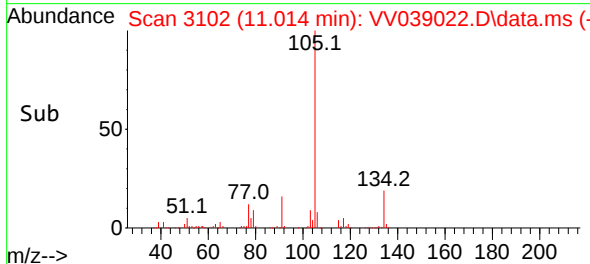
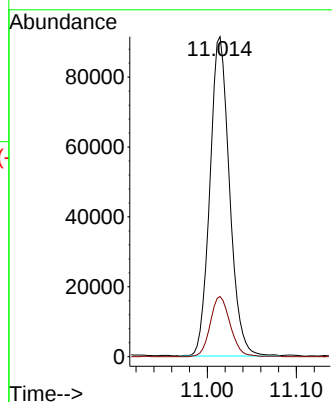
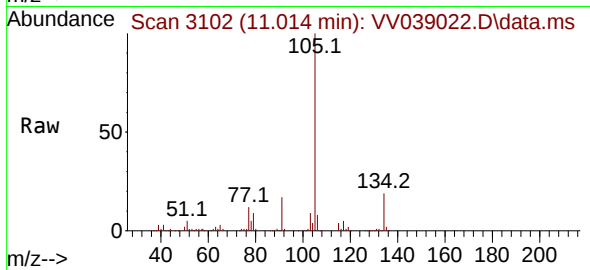
VSTDICC005

Tgt Ion:105 Resp: 139656

Ion Ratio Lower Upper

105 100

134 19.3 9.8 29.4



#86

p-Isopropyltoluene

Concen: 4.665 ug/l

RT: 11.169 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VV039022.D

Acq: 25 Aug 2025 10:08

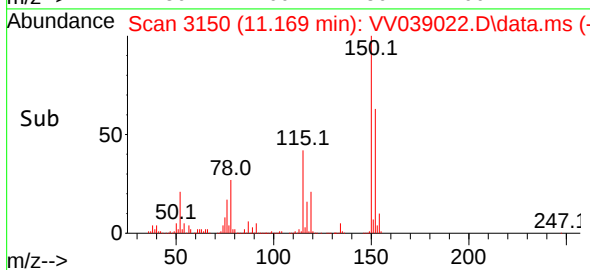
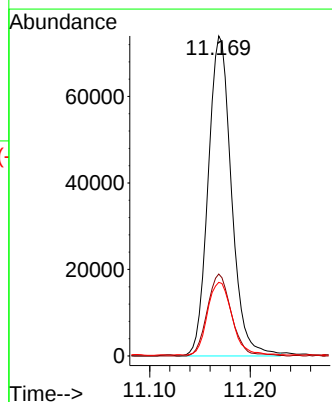
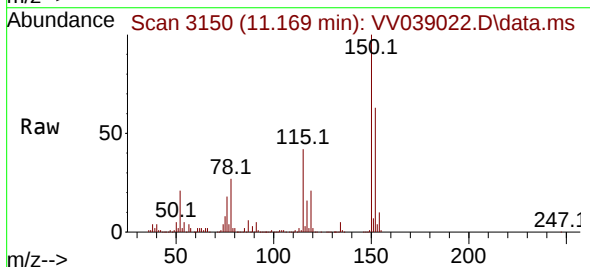
Tgt Ion:119 Resp: 119168

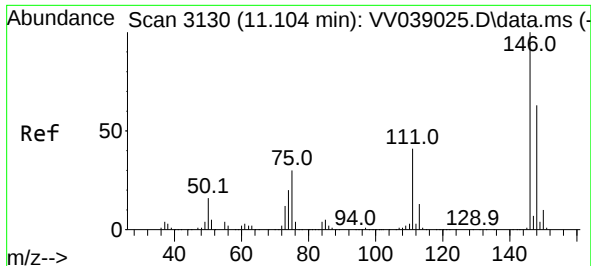
Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.1

91 23.9 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 4.911 ug/l

RT: 11.111 min Scan# 3132

Delta R.T. 0.007 min

Lab File: VV039022.D

Acq: 25 Aug 2025 10:08

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

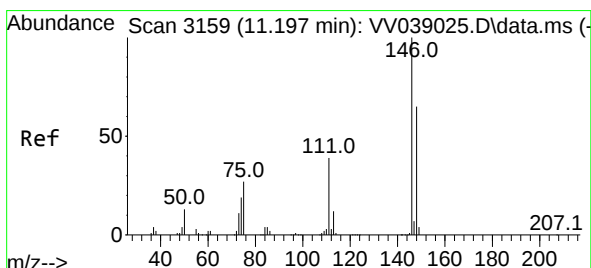
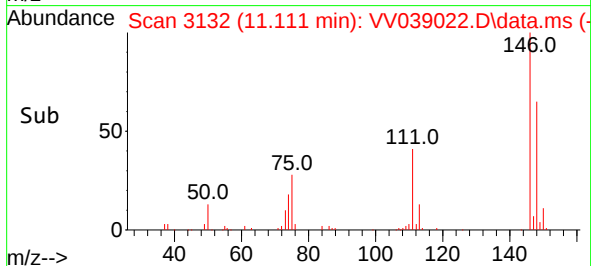
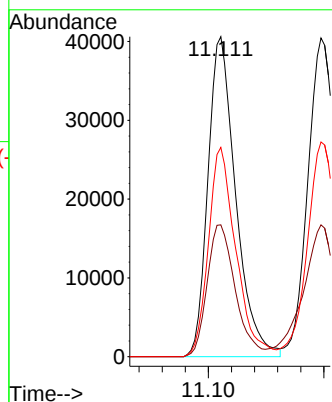
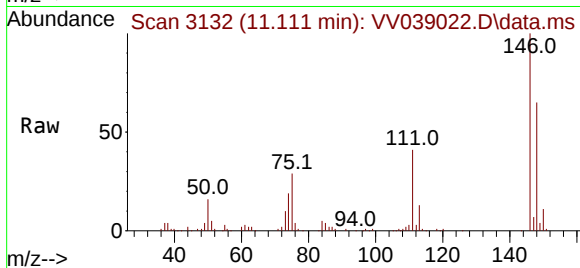
Tgt Ion:146 Resp: 67862

Ion Ratio Lower Upper

146 100

111 41.7 20.5 61.6

148 64.9 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 4.997 ug/l

RT: 11.198 min Scan# 3159

Delta R.T. 0.000 min

Lab File: VV039022.D

Acq: 25 Aug 2025 10:08

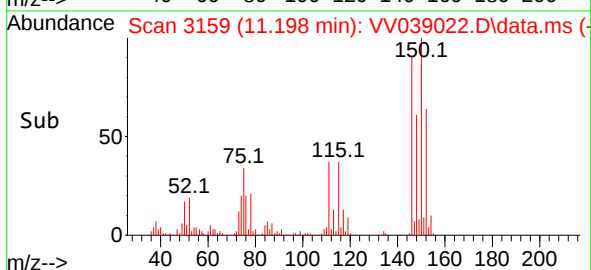
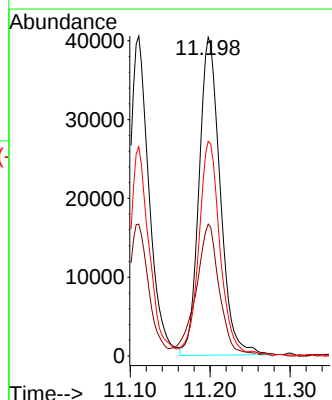
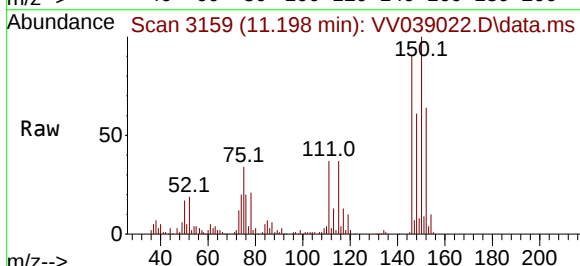
Tgt Ion:146 Resp: 74392

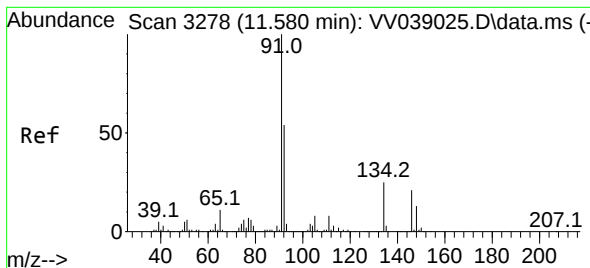
Ion Ratio Lower Upper

146 100

111 44.9 20.1 60.3

148 64.9 32.5 97.4





#89

n-Butylbenzene

Concen: 4.441 ug/l

RT: 11.583 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV039022.D

Acq: 25 Aug 2025 10:08

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

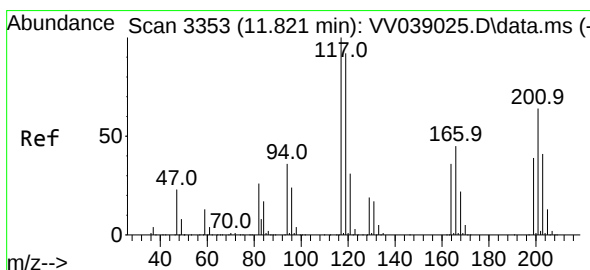
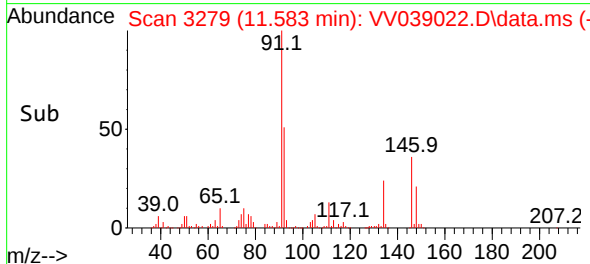
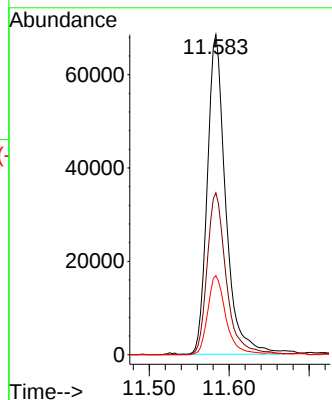
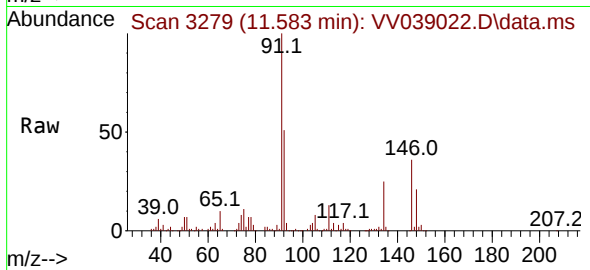
Tgt Ion: 91 Resp: 109434

Ion Ratio Lower Upper

91 100

92 52.9 26.8 80.4

134 24.6 12.2 36.6



#90

Hexachloroethane

Concen: 4.961 ug/l

RT: 11.821 min Scan# 3353

Delta R.T. 0.000 min

Lab File: VV039022.D

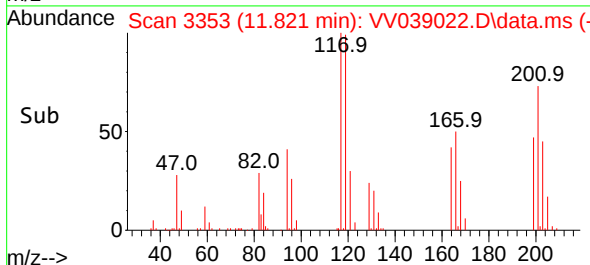
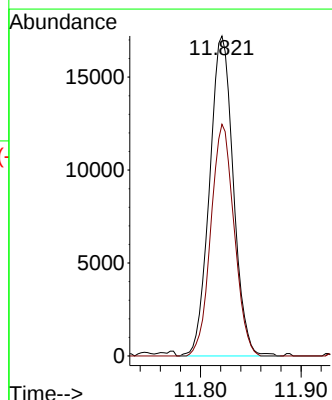
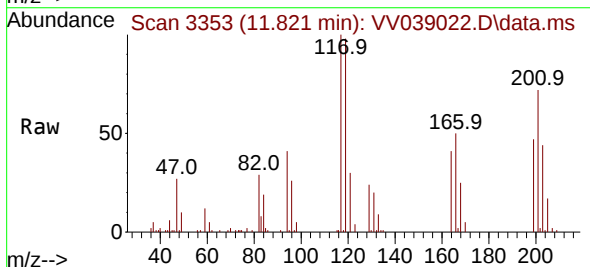
Acq: 25 Aug 2025 10:08

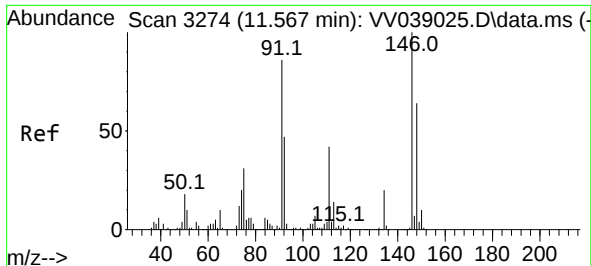
Tgt Ion: 117 Resp: 28311

Ion Ratio Lower Upper

117 100

201 70.9 32.2 96.6

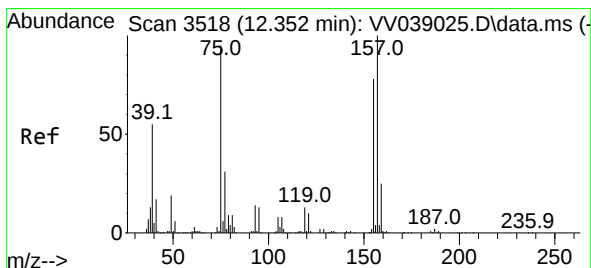
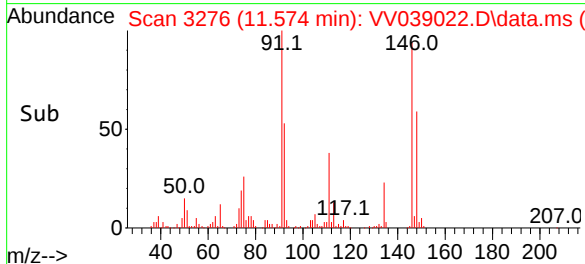
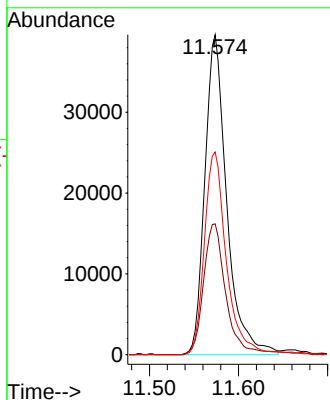
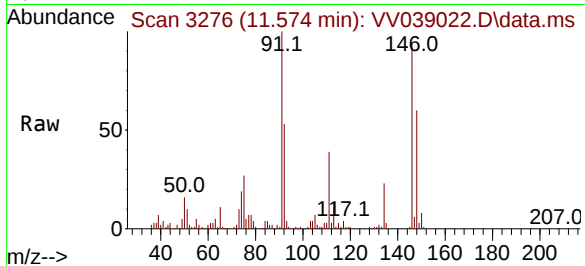




#91
 1,2-Dichlorobenzene
 Concen: 5.036 ug/l
 RT: 11.574 min Scan# 31
 Delta R.T. 0.007 min
 Lab File: VV039022.D
 Acq: 25 Aug 2025 10:08

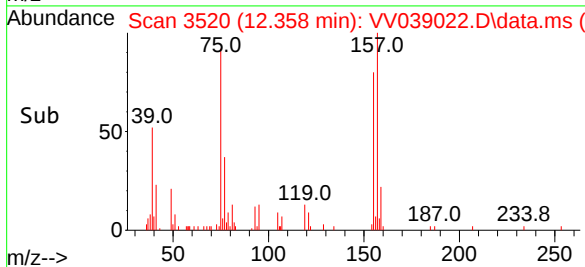
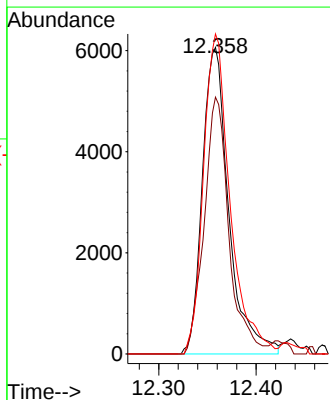
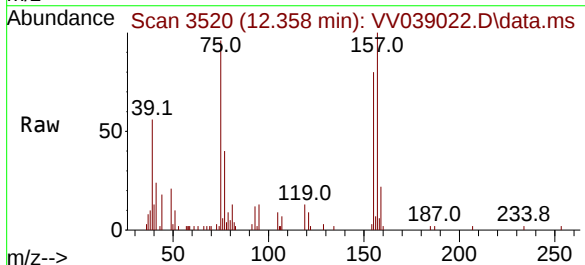
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC005

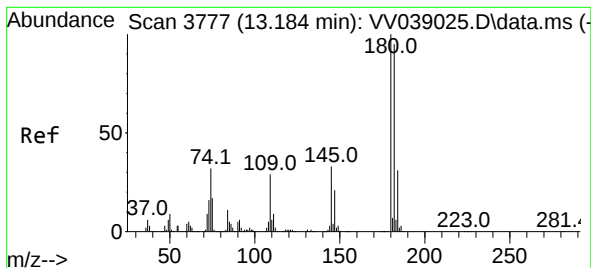
Tgt Ion:146 Resp: 67495
 Ion Ratio Lower Upper
 146 100
 111 41.9 21.1 63.4
 148 63.7 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.790 ug/l
 RT: 12.358 min Scan# 3520
 Delta R.T. 0.007 min
 Lab File: VV039022.D
 Acq: 25 Aug 2025 10:08

Tgt Ion: 75 Resp: 11436
 Ion Ratio Lower Upper
 75 100
 155 78.2 40.9 122.7
 157 105.3 53.4 160.3





#93

1,2,4-Trichlorobenzene

Concen: 4.463 ug/l

RT: 13.191 min Scan# 31

Delta R.T. 0.007 min

Lab File: VV039022.D

Acq: 25 Aug 2025 10:08

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

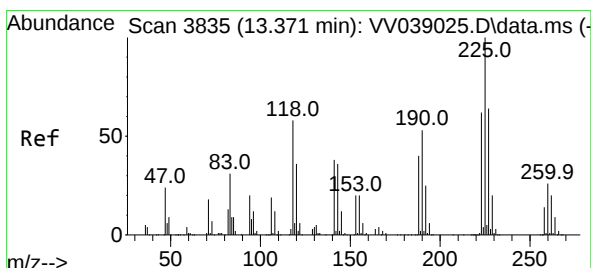
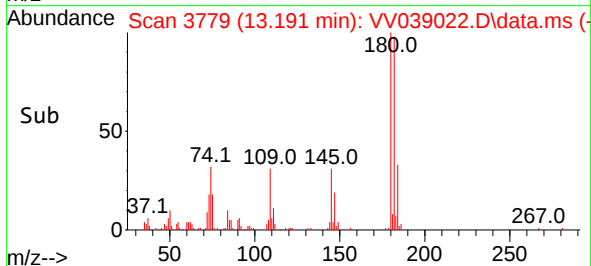
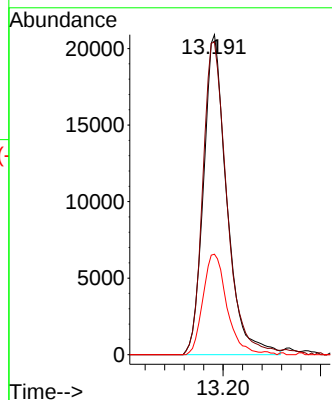
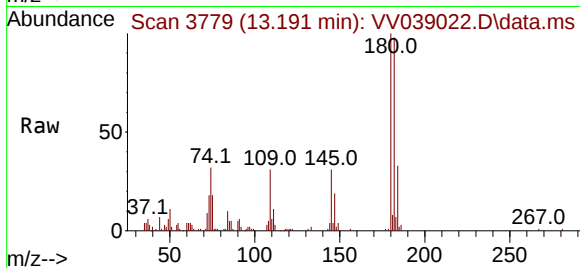
Tgt Ion:180 Resp: 34662

Ion Ratio Lower Upper

180 100

182 100.8 47.5 142.6

145 32.1 16.3 48.9



#94

Hexachlorobutadiene

Concen: 5.083 ug/l

RT: 13.371 min Scan# 3835

Delta R.T. 0.000 min

Lab File: VV039022.D

Acq: 25 Aug 2025 10:08

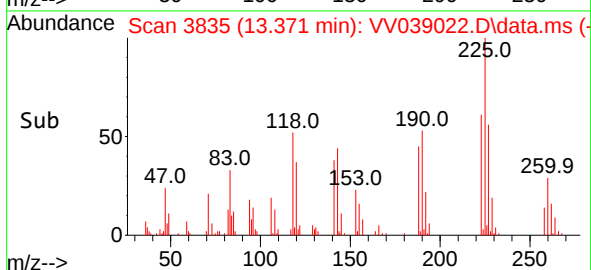
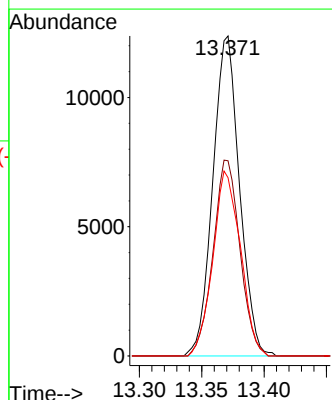
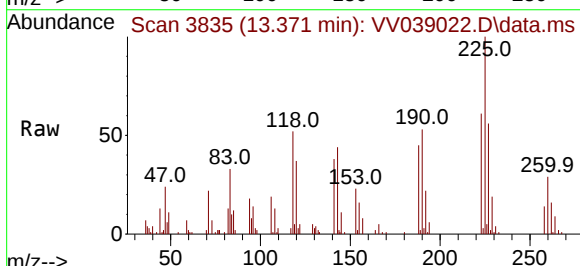
Tgt Ion:225 Resp: 18458

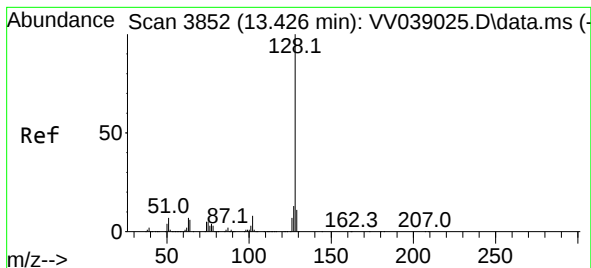
Ion Ratio Lower Upper

225 100

223 61.7 32.1 96.5

227 59.7 31.6 95.0





#95

Naphthalene

Concen: 4.061 ug/l

RT: 13.429 min Scan# 3853

Delta R.T. 0.003 min

Lab File: VV039022.D

Acq: 25 Aug 2025 10:08

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

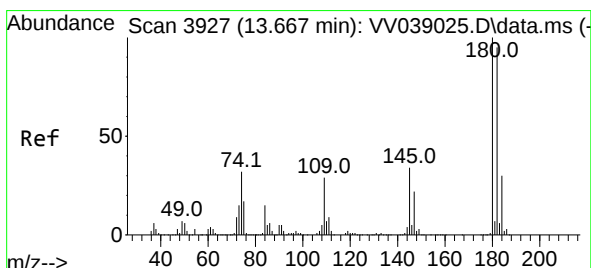
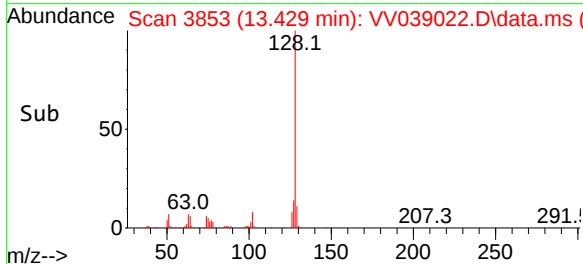
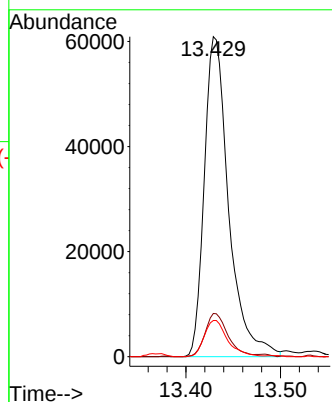
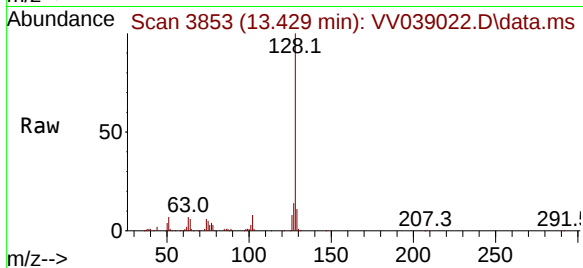
Tgt Ion:128 Resp: 109369

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

129 10.8 8.5 12.7



#96

1,2,3-Trichlorobenzene

Concen: 4.524 ug/l

RT: 13.670 min Scan# 3928

Delta R.T. 0.003 min

Lab File: VV039022.D

Acq: 25 Aug 2025 10:08

Tgt Ion:180 Resp: 35601

Ion Ratio Lower Upper

180 100

182 98.8 47.0 141.0

145 36.7 17.0 51.0

