

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW071125\
 Data File : VW038881.D
 Acq On : 11 Jul 2025 09:11
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

Quant Time: Jul 14 06:08:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V071125W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 14 06:07:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	428693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	678379	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	657439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	388951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	96440	18.412	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	36.820%#
35) Dibromofluoromethane	4.507	113	89037	19.250	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	38.500%#
50) Toluene-d8	7.236	98	260257	18.616	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	37.240%#
62) 4-Bromofluorobenzene	10.002	95	105512	18.735	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	37.460%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	72360	19.210	ug/l	100
3) Chloromethane	1.230	50	72181	17.745	ug/l	99
4) Vinyl Chloride	1.298	62	85838	18.438	ug/l	99
5) Bromomethane	1.497	94	65548	21.057	ug/l	94
6) Chloroethane	1.561	64	58668	18.854	ug/l	98
7) Trichlorofluoromethane	1.725	101	160055	19.431	ug/l	99
8) Diethyl Ether	1.918	74	56328	19.016	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.082	101	97367	19.768	ug/l	98
10) Methyl Iodide	2.198	142	103271	18.263	ug/l	96
11) Tert butyl alcohol	2.568	59	115857	96.075	ug/l	99
12) 1,1-Dichloroethene	2.082	96	82350	18.349	ug/l	96
13) Acrolein	2.011	56	17478	100.225	ug/l	96
14) Allyl chloride	2.359	41	137460	19.226	ug/l	97
15) Acrylonitrile	2.674	53	302942	98.170	ug/l	98
16) Acetone	2.121	43	229384	101.204	ug/l	96
17) Carbon Disulfide	2.253	76	155941	20.351	ug/l	98
18) Methyl Acetate	2.381	43	161946	21.118	ug/l	99
19) Methyl tert-butyl Ether	2.709	73	334298	19.867	ug/l	99
20) Methylene Chloride	2.455	84	108074	18.795	ug/l	100
21) trans-1,2-Dichloroethene	2.703	96	86309	18.075	ug/l	97
22) Diisopropyl ether	3.214	45	291183	20.382	ug/l	88
23) Vinyl Acetate	3.191	43	1110950	99.175	ug/l	100
24) 1,1-Dichloroethane	3.118	63	188092	20.104	ug/l	98
25) 2-Butanone	3.867	43	324446	99.989	ug/l	98
26) 2,2-Dichloropropane	3.812	77	158840	19.391	ug/l	98
27) cis-1,2-Dichloroethene	3.822	96	103750	18.921	ug/l	99
28) Bromochloromethane	4.146	49	79408	21.926	ug/l	96
29) Tetrahydrofuran	4.236	42	212671	99.327	ug/l	97
30) Chloroform	4.278	83	206317	20.002	ug/l	94
31) Cyclohexane	4.587	56	110481	17.991	ug/l	95
32) 1,1,1-Trichloroethane	4.513	97	177354	19.706	ug/l	98
36) 1,1-Dichloropropene	4.748	75	106520	20.039	ug/l	99
37) Ethyl Acetate	3.979	43	123608	19.751	ug/l	99
38) Carbon Tetrachloride	4.735	117	141781	20.080	ug/l	94
39) Methylcyclohexane	6.047	83	113006	18.018	ug/l	99
40) Benzene	5.011	78	361289	20.050	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.162	41	56356	19.871	ug/l	95
42) 1,2-Dichloroethane	5.043	62	139681	20.337	ug/l	99
43) Isopropyl Acetate	5.195	43	194267	19.627	ug/l	100
44) Trichloroethene	5.834	130	91255	19.380	ug/l	95
45) 1,2-Dichloropropane	6.088	63	94632	19.881	ug/l	99
46) Dibromomethane	6.230	93	74011	20.096	ug/l	99
47) Bromodichloromethane	6.429	83	162415	20.779	ug/l	99
48) Methyl methacrylate	6.301	41	83488	19.261	ug/l	98
49) 1,4-Dioxane	6.291	88	36080	387.832	ug/l	98
51) 4-Methyl-2-Pentanone	7.150	43	725148	107.594	ug/l	100
52) Toluene	7.310	92	239153	21.068	ug/l	99
53) t-1,3-Dichloropropene	7.577	75	147281	20.825	ug/l	100
54) cis-1,3-Dichloropropene	6.950	75	155338	20.318	ug/l	98
55) 1,1,2-Trichloroethane	7.760	97	114398	21.084	ug/l	97
56) Ethyl methacrylate	7.719	69	131591	20.409	ug/l	98
57) 1,3-Dichloropropane	7.934	76	169353	20.816	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.812	63	440487	98.651	ug/l	99
59) 2-Hexanone	8.066	43	529388	105.518	ug/l	98
60) Dibromochloromethane	8.169	129	135966	21.279	ug/l	98
61) 1,2-Dibromoethane	8.275	107	115044	21.046	ug/l	97
64) Tetrachloroethene	7.899	164	84238	19.537	ug/l	96
65) Chlorobenzene	8.805	112	282670	19.677	ug/l	98
66) 1,1,1,2-Tetrachloroethane	8.899	131	111130	19.398	ug/l	97
67) Ethyl Benzene	8.937	91	432078	20.256	ug/l	100
68) m/p-Xylenes	9.063	106	349022	42.027	ug/l	99
69) o-Xylene	9.468	106	154386	19.696	ug/l	99
70) Styrene	9.487	104	291336	21.030	ug/l	99
71) Bromoform	9.654	173	99340	21.333	ug/l #	99
73) Isopropylbenzene	9.857	105	463560	19.946	ug/l	99
74) N-amyl acetate	9.725	43	167457	19.670	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.165	83	189160	19.432	ug/l	100
76) 1,2,3-Trichloropropane	10.198	75	146404	20.245	ug/l	79
77) Bromobenzene	10.143	156	116488	19.108	ug/l	97
78) n-propylbenzene	10.278	91	546662	20.126	ug/l	100
79) 2-Chlorotoluene	10.349	91	345959	20.028	ug/l	100
80) 1,3,5-Trimethylbenzene	10.464	105	402271	20.526	ug/l	98
81) trans-1,4-Dichloro-2-b...	9.931	75	57657	19.456	ug/l	96
82) 4-Chlorotoluene	10.464	91	403736	20.909	ug/l	99
83) tert-Butylbenzene	10.789	119	400398	19.486	ug/l	98
84) 1,2,4-Trimethylbenzene	10.841	105	392552	20.356	ug/l	98
85) sec-Butylbenzene	11.011	105	526164	20.063	ug/l	100
86) p-Isopropyltoluene	11.165	119	443993	19.941	ug/l	100
87) 1,3-Dichlorobenzene	11.108	146	246905	19.842	ug/l	100
88) 1,4-Dichlorobenzene	11.198	146	258973	19.132	ug/l	99
89) n-Butylbenzene	11.580	91	398744	19.617	ug/l	98
90) Hexachloroethane	11.821	117	99679	18.822	ug/l	96
91) 1,2-Dichlorobenzene	11.567	146	231832	19.192	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.352	75	41050	18.652	ug/l	97
93) 1,2,4-Trichlorobenzene	13.185	180	137109	19.229	ug/l	99
94) Hexachlorobutadiene	13.368	225	69797	19.008	ug/l	98
95) Naphthalene	13.426	128	444503	18.838	ug/l	100
96) 1,2,3-Trichlorobenzene	13.667	180	143923	19.473	ug/l	98

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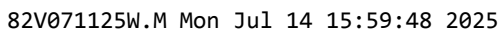
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MSVOA_V
ClientSampleId :
VSTDICC020

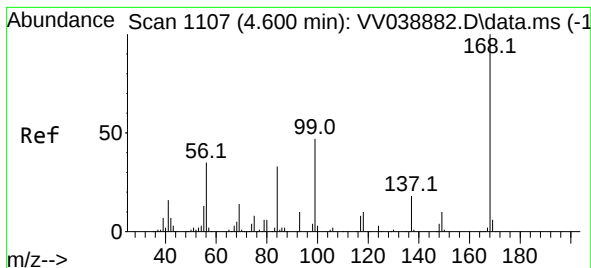
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.600 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV038881.D

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Instrument :

MSVOA_V

ClientSampleId :

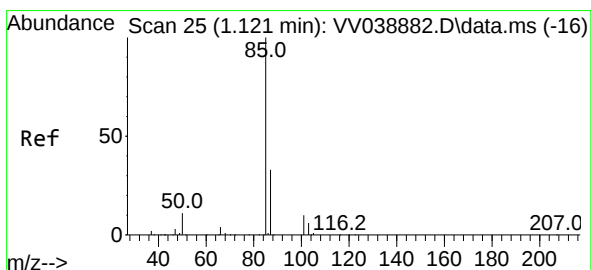
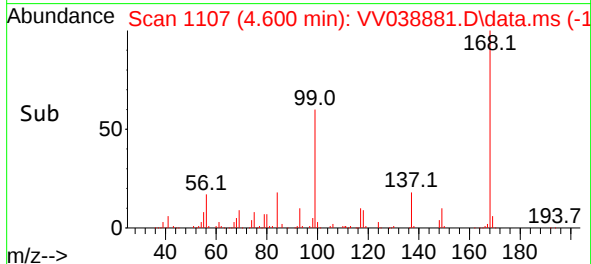
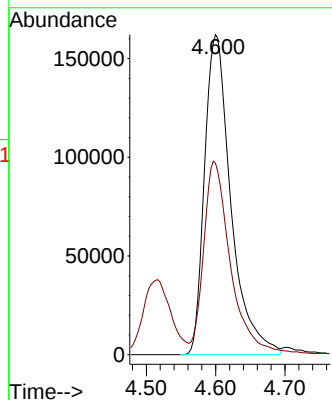
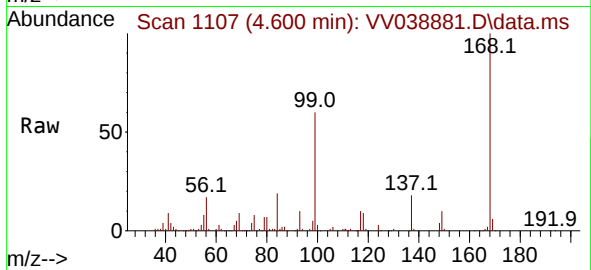
VSTDICC020

Tgt Ion:168 Resp: 428693

Ion Ratio Lower Upper

168 100

99 58.4 48.6 73.0



#2

Dichlorodifluoromethane

Concen: 19.210 ug/l

RT: 1.121 min Scan# 25

Delta R.T. 0.000 min

Lab File: VV038881.D

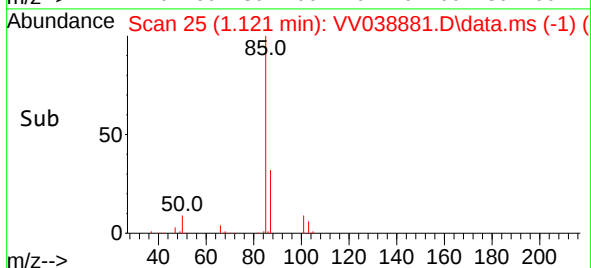
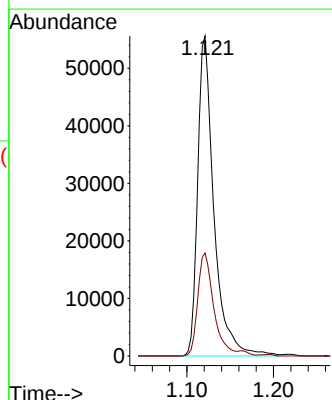
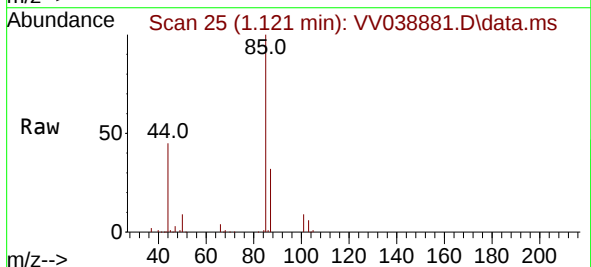
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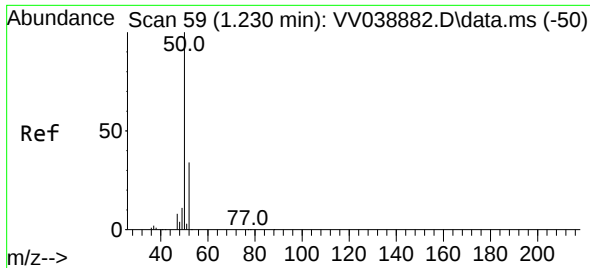
Tgt Ion: 85 Resp: 72360

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.8

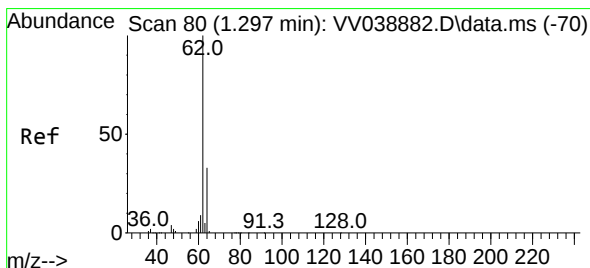
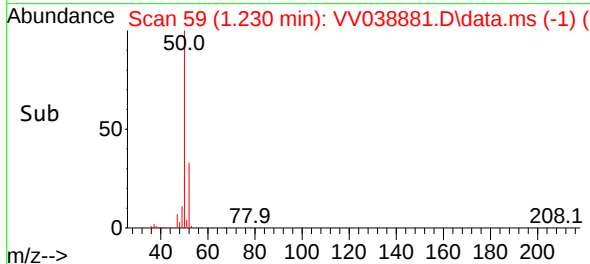
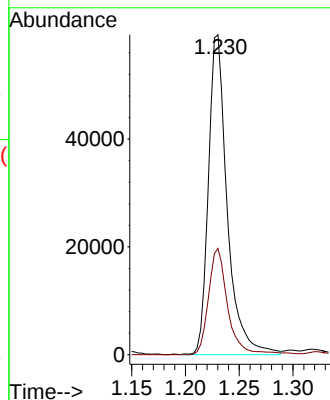
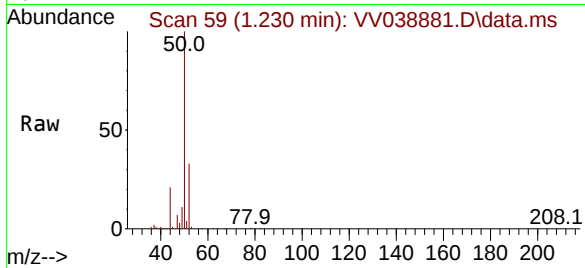




#3
Chloromethane
Concen: 17.745 ug/l
RT: 1.230 min Scan# 59
Delta R.T. 0.000 min
Lab File: VV038881.D
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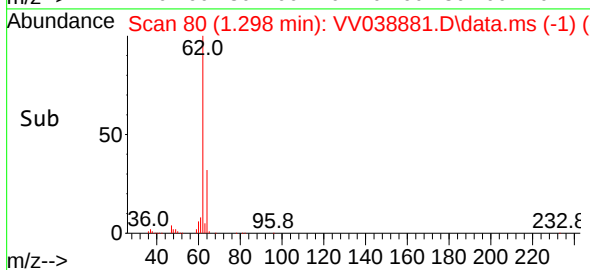
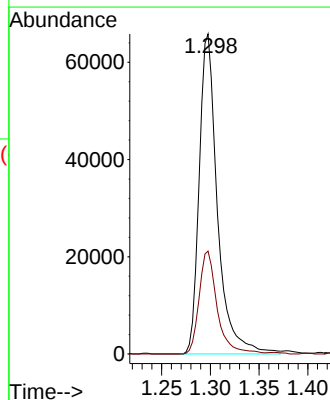
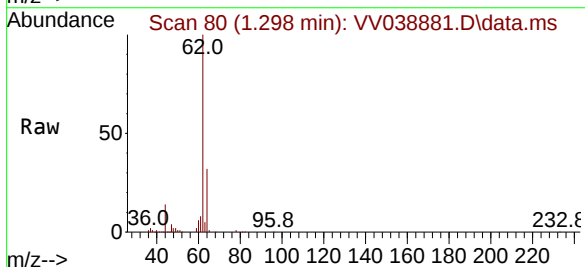
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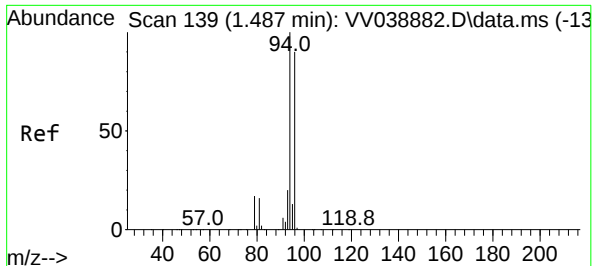
Tgt Ion: 50 Resp: 72181
Ion Ratio Lower Upper
50 100
52 33.2 26.9 40.3



#4
Vinyl Chloride
Concen: 18.438 ug/l
RT: 1.298 min Scan# 80
Delta R.T. 0.000 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

Tgt Ion: 62 Resp: 85838
Ion Ratio Lower Upper
62 100
64 32.2 26.2 39.2

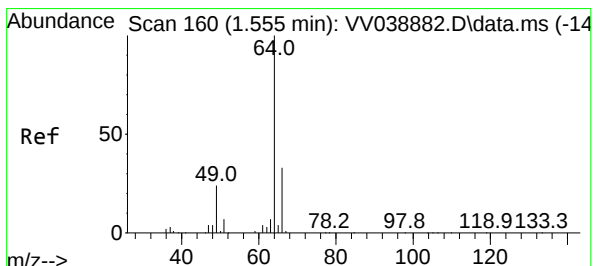
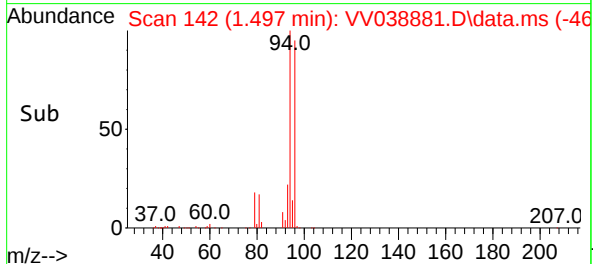
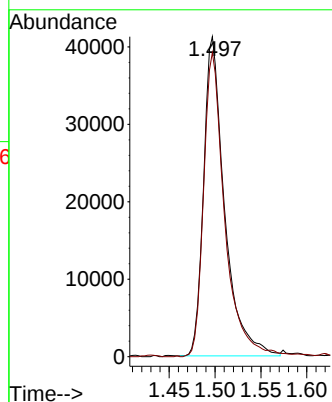
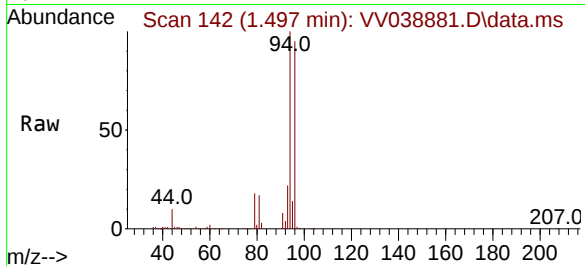




#5
Bromomethane
Concen: 21.057 ug/l
RT: 1.497 min Scan# 14
Delta R.T. 0.010 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

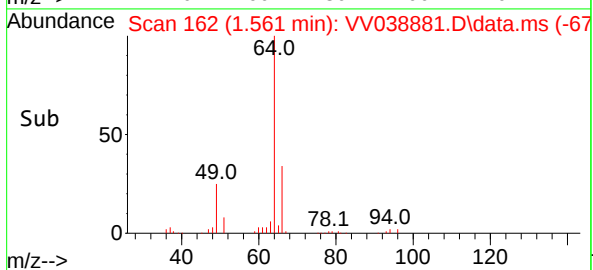
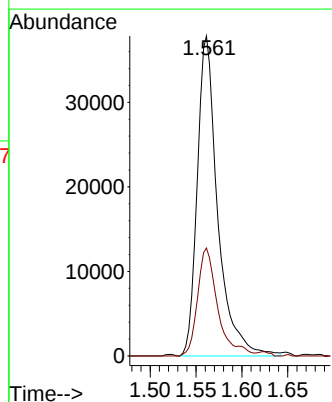
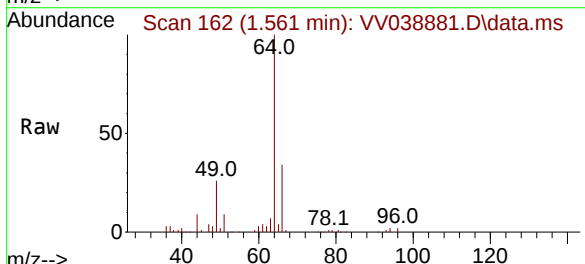
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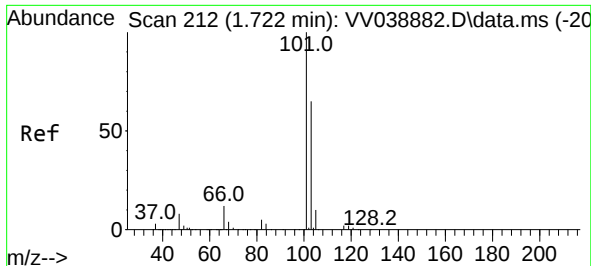
Tgt Ion: 94 Resp: 65548
Ion Ratio Lower Upper
94 100
96 95.3 71.9 107.9



#6
Chloroethane
Concen: 18.854 ug/l
RT: 1.561 min Scan# 162
Delta R.T. 0.007 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

Tgt Ion: 64 Resp: 58668
Ion Ratio Lower Upper
64 100
66 33.7 26.2 39.2

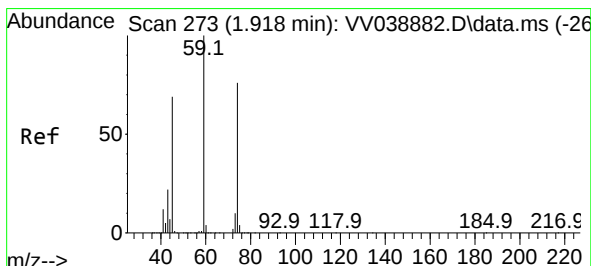
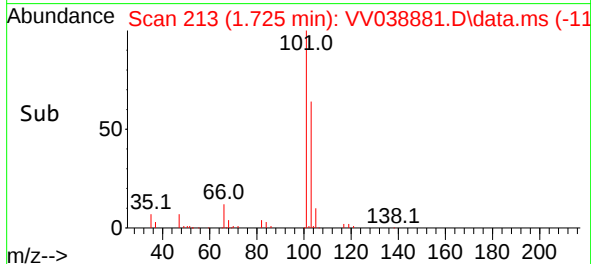
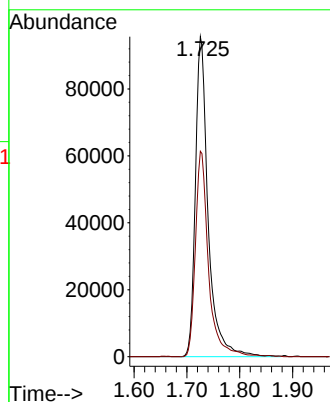
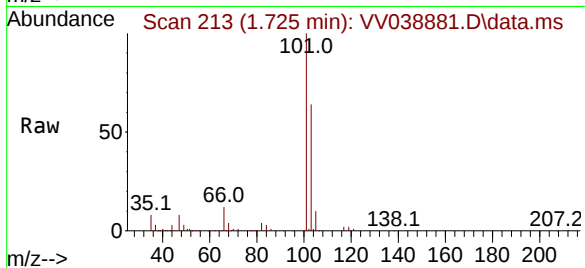




#7
 Trichlorofluoromethane
 Concen: 19.431 ug/l
 RT: 1.725 min Scan# 212
 Delta R.T. 0.003 min
 Lab File: VV038881.D
 Acq: 11 Jul 2025 09:11

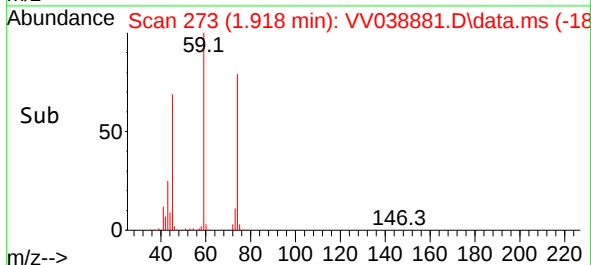
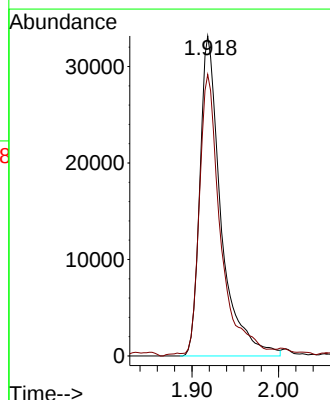
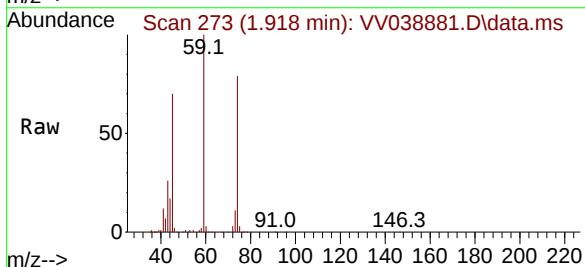
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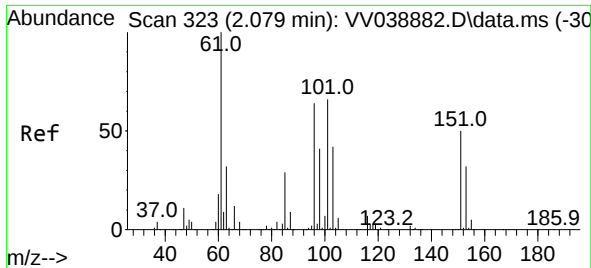
Tgt Ion:101 Resp: 160055
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.8 77.6



#8
 Diethyl Ether
 Concen: 19.016 ug/l
 RT: 1.918 min Scan# 273
 Delta R.T. 0.000 min
 Lab File: VV038881.D
 Acq: 11 Jul 2025 09:11

Tgt Ion: 74 Resp: 56328
 Ion Ratio Lower Upper
 74 100
 45 88.7 45.5 136.5

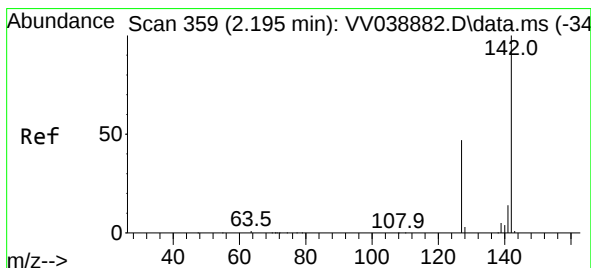
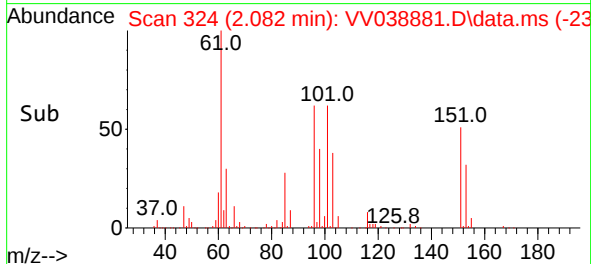
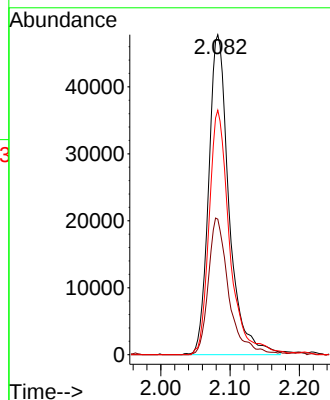
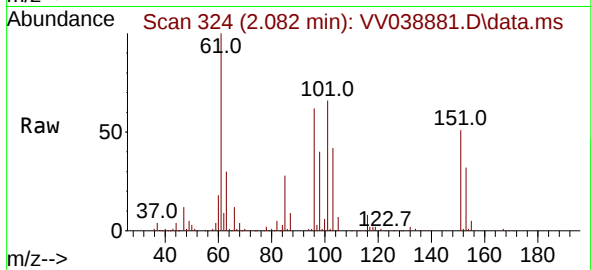




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.768 ug/l
RT: 2.082 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

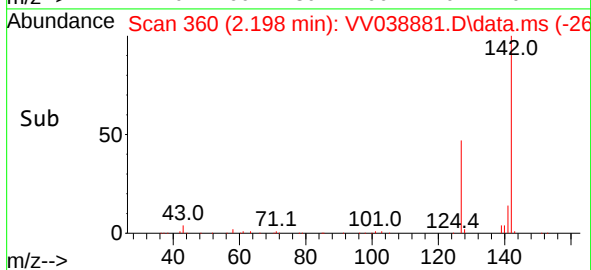
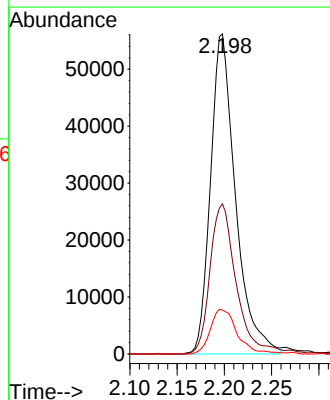
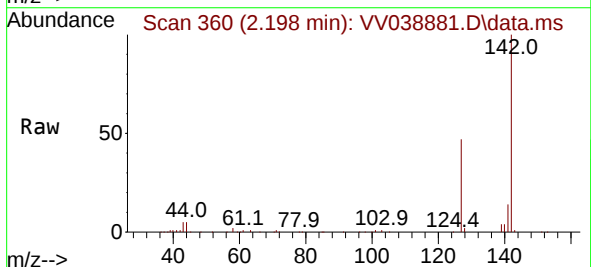
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

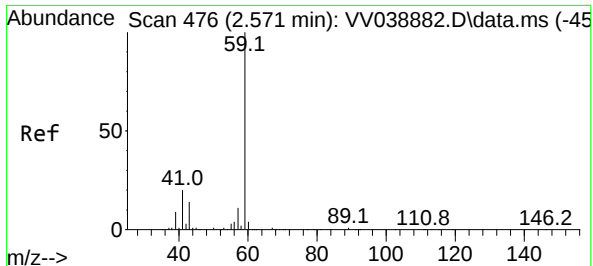
Tgt Ion:101 Resp: 97367
Ion Ratio Lower Upper
101 100
85 42.8 35.0 52.6
151 77.4 60.1 90.1



#10
Methyl Iodide
Concen: 18.263 ug/l
RT: 2.198 min Scan# 360
Delta R.T. 0.003 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

Tgt Ion:142 Resp: 103271
Ion Ratio Lower Upper
142 100
127 49.4 37.3 55.9
141 14.9 11.2 16.8





#11

Tert butyl alcohol

Concen: 96.075 ug/l

RT: 2.568 min Scan# 41

Delta R.T. -0.003 min

Lab File: VV038881.D

Acq: 11 Jul 2025 09:11

Instrument :

MSVOA_V

ClientSampleId :

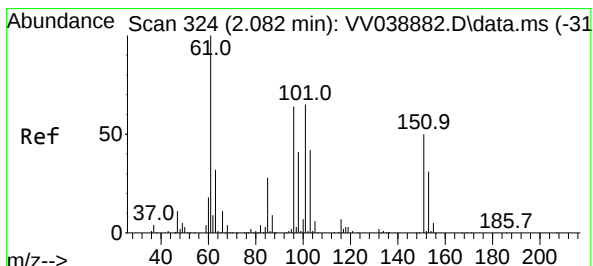
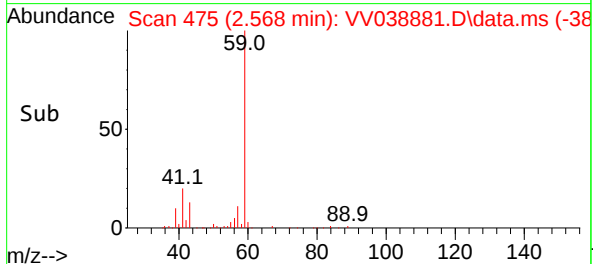
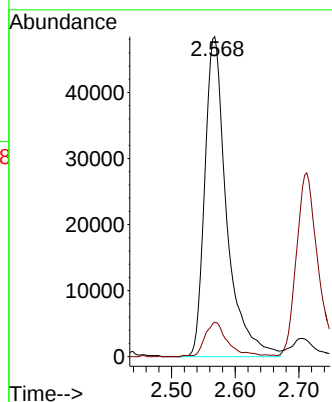
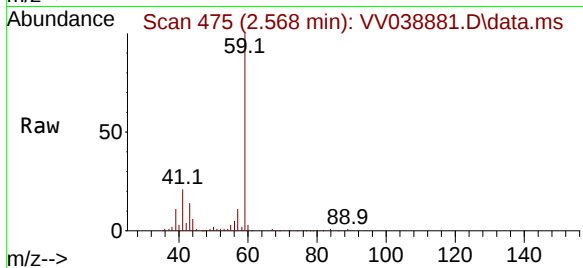
VSTDIC020

Tgt Ion: 59 Resp: 115857

Ion Ratio Lower Upper

59 100

57 10.1 8.6 12.8



#12

1,1-Dichloroethene

Concen: 18.349 ug/l

RT: 2.082 min Scan# 324

Delta R.T. 0.000 min

Lab File: VV038881.D

Acq: 11 Jul 2025 09:11

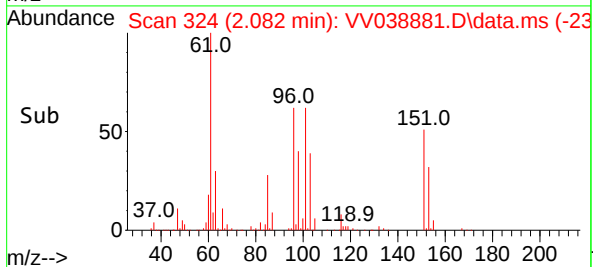
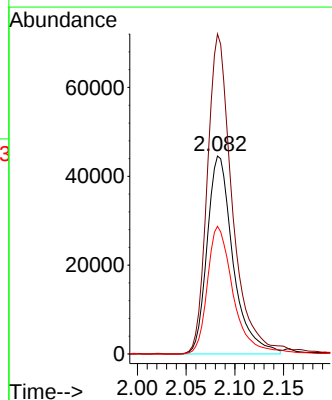
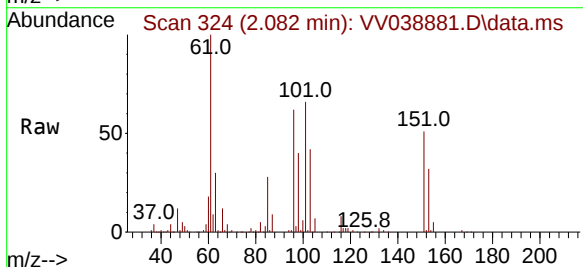
Tgt Ion: 96 Resp: 82350

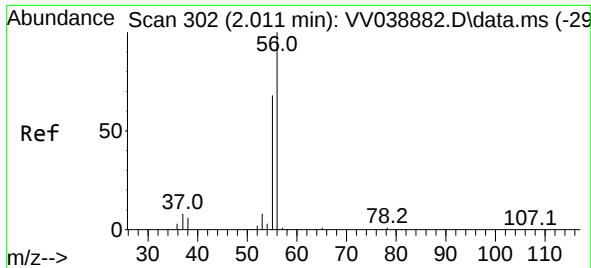
Ion Ratio Lower Upper

96 100

61 161.7 124.1 186.1

98 64.5 50.6 75.8

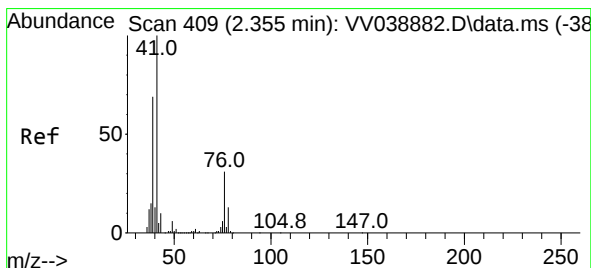
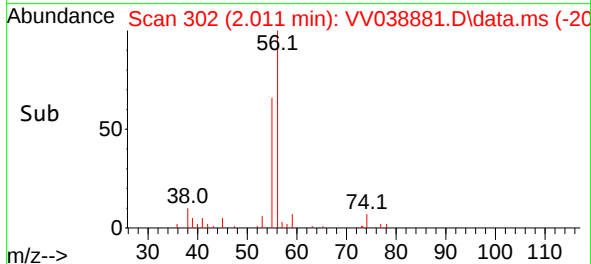
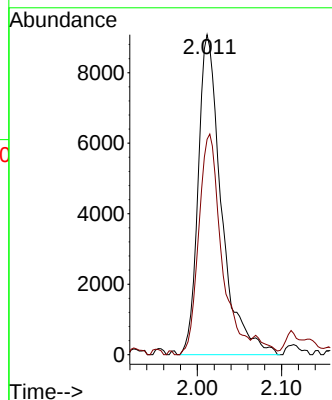
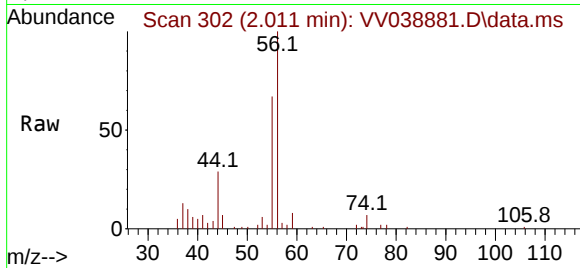




#13
Acrolein
Concen: 100.225 ug/l
RT: 2.011 min Scan# 302
Delta R.T. 0.000 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

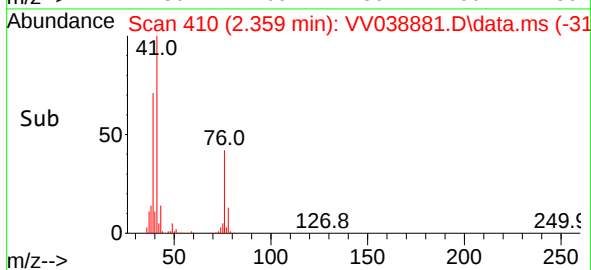
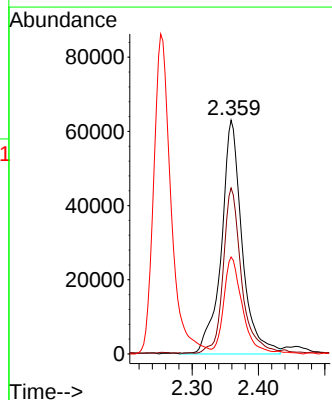
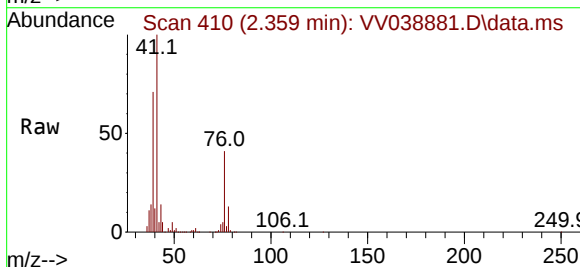
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

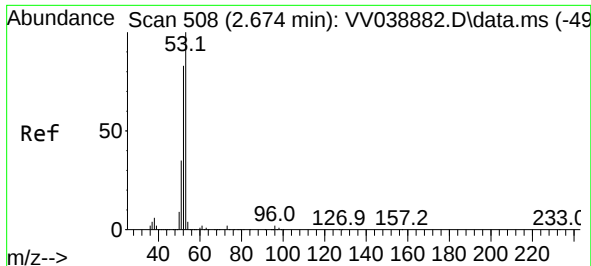
Tgt Ion: 56 Resp: 17478
Ion Ratio Lower Upper
56 100
55 67.5 56.7 85.1



#14
Allyl chloride
Concen: 19.226 ug/l
RT: 2.359 min Scan# 410
Delta R.T. 0.003 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

Tgt Ion: 41 Resp: 137460
Ion Ratio Lower Upper
41 100
39 61.9 50.6 76.0
76 34.8 30.4 45.6

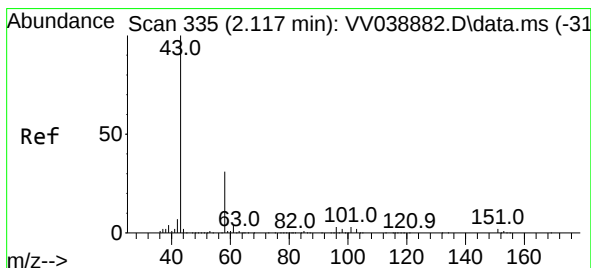
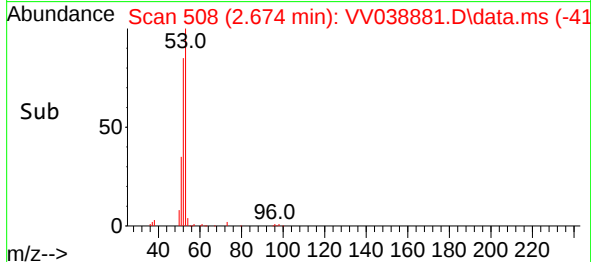
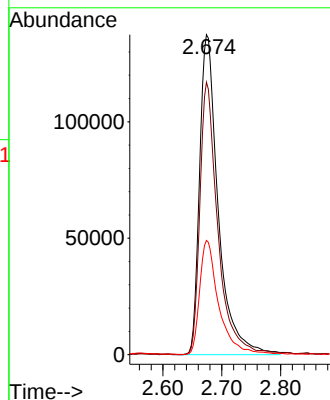
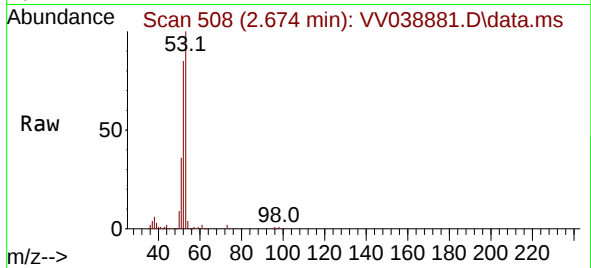




#15
Acrylonitrile
Concen: 98.170 ug/l
RT: 2.674 min Scan# 508
Delta R.T. 0.000 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

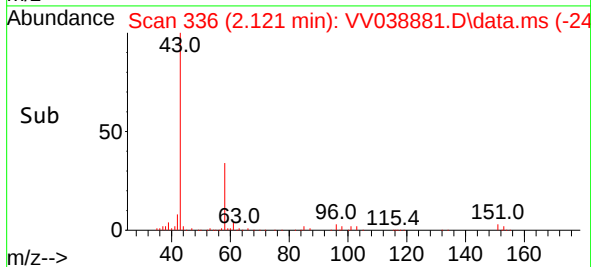
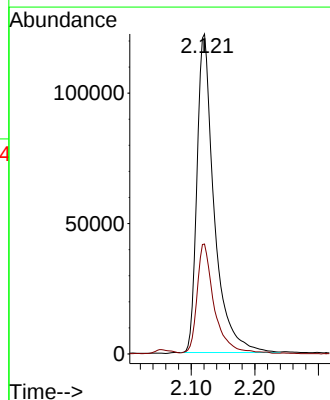
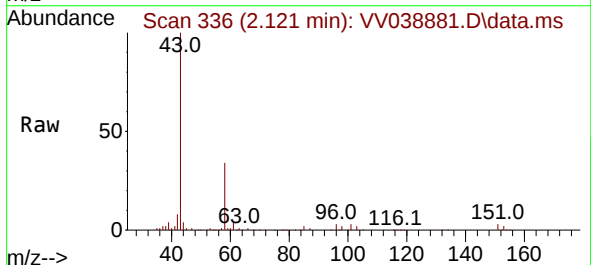
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

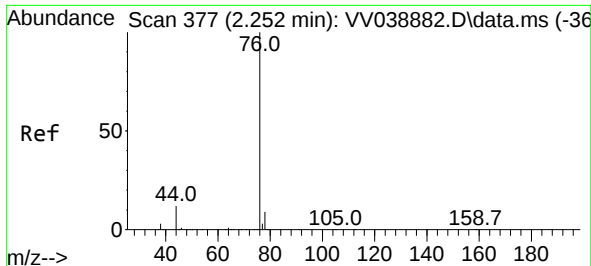
Tgt Ion: 53 Resp: 302942
Ion Ratio Lower Upper
53 100
52 81.0 66.6 99.8
51 36.3 28.7 43.1



#16
Acetone
Concen: 101.204 ug/l
RT: 2.121 min Scan# 336
Delta R.T. 0.003 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

Tgt Ion: 43 Resp: 229384
Ion Ratio Lower Upper
43 100
58 34.2 25.8 38.6

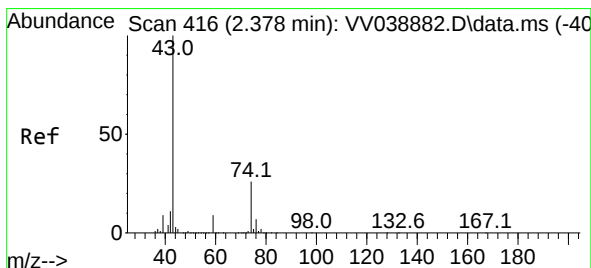
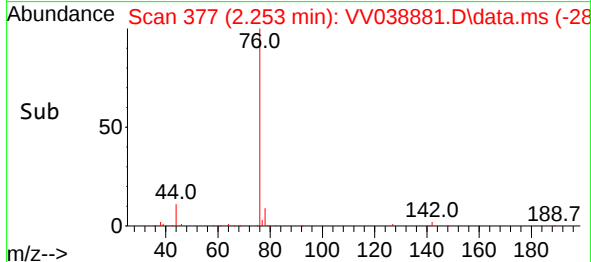
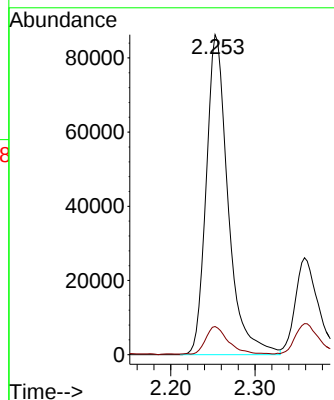
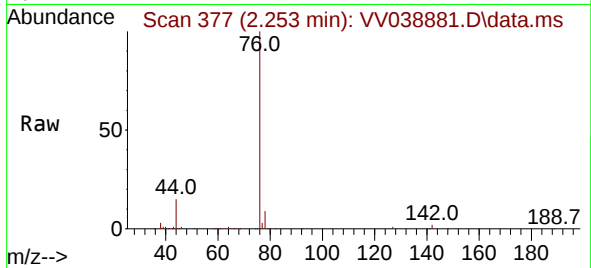




#17
Carbon Disulfide
Concen: 20.351 ug/l
RT: 2.253 min Scan# 317
Delta R.T. 0.000 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

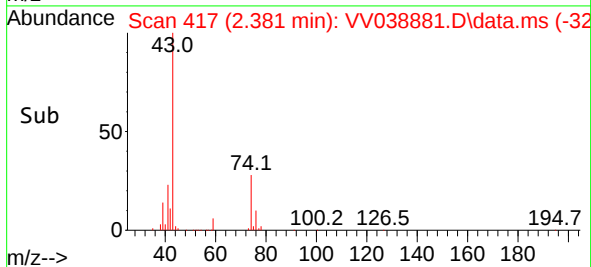
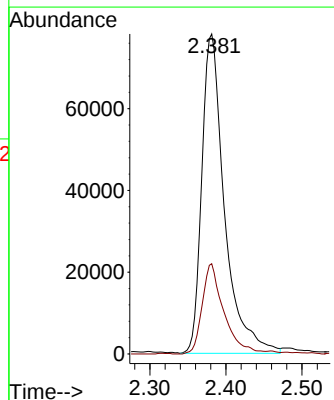
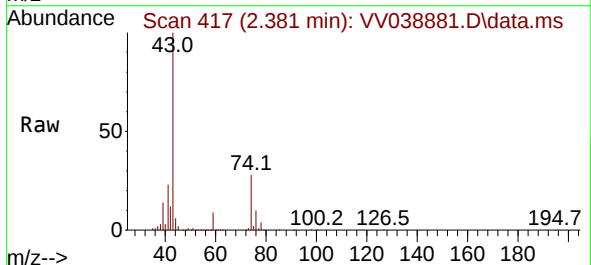
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

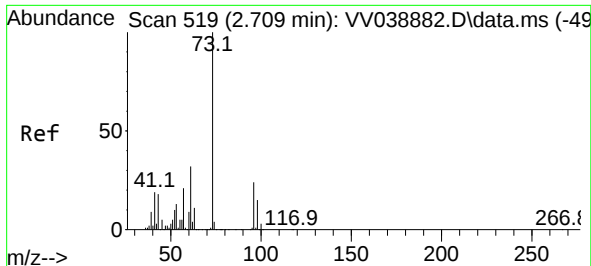
Tgt Ion: 76 Resp: 155941
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.2



#18
Methyl Acetate
Concen: 21.118 ug/l
RT: 2.381 min Scan# 417
Delta R.T. 0.003 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

Tgt Ion: 43 Resp: 161946
Ion Ratio Lower Upper
43 100
74 27.0 21.1 31.7

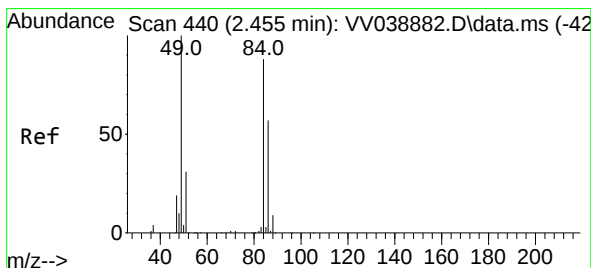
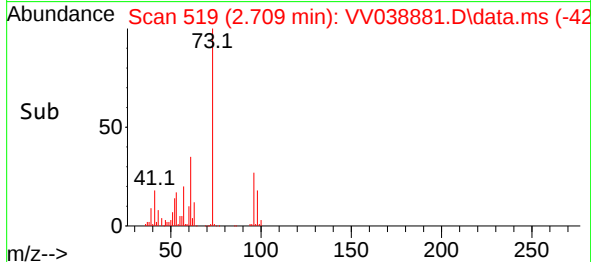
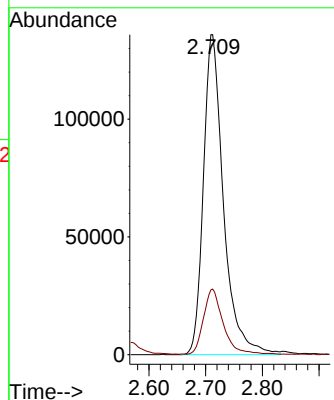
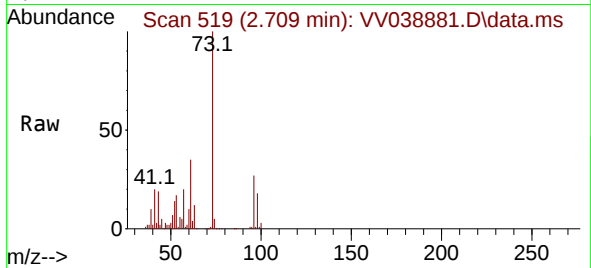




#19
Methyl tert-butyl Ether
Concen: 19.867 ug/l
RT: 2.709 min Scan# 519
Delta R.T. 0.000 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

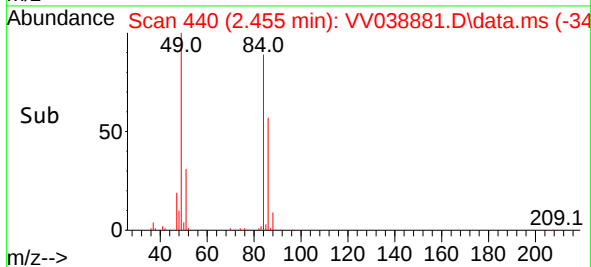
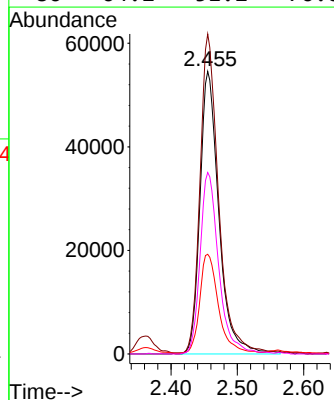
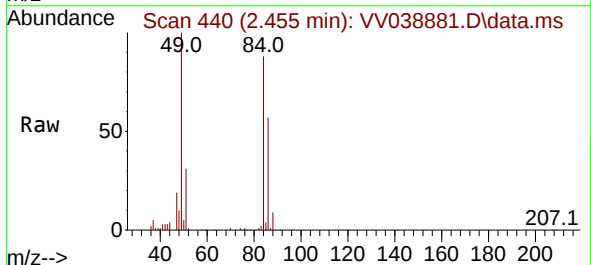
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

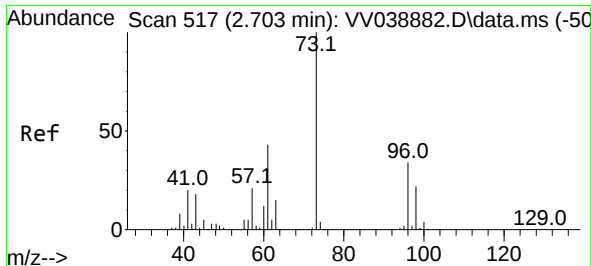
Tgt Ion: 73 Resp: 334298
Ion Ratio Lower Upper
73 100
57 20.1 16.5 24.7



#20
Methylene Chloride
Concen: 18.795 ug/l
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

Tgt Ion: 84 Resp: 108074
Ion Ratio Lower Upper
84 100
49 112.8 90.5 135.7
51 35.0 27.8 41.6
86 64.2 51.2 76.8

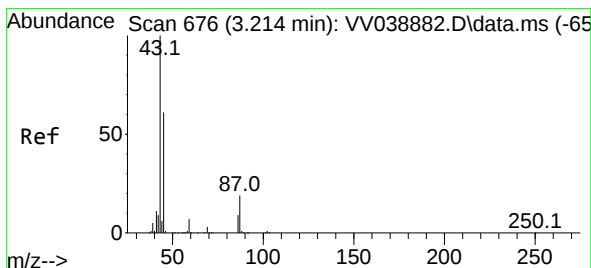
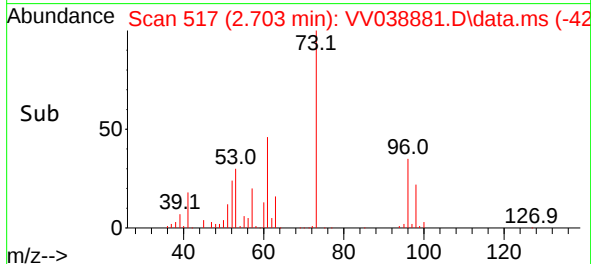
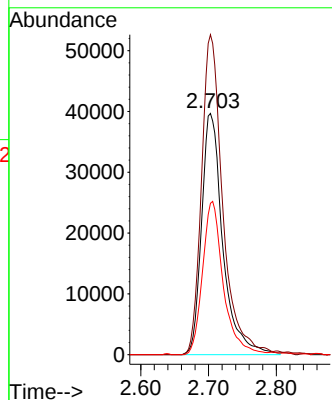
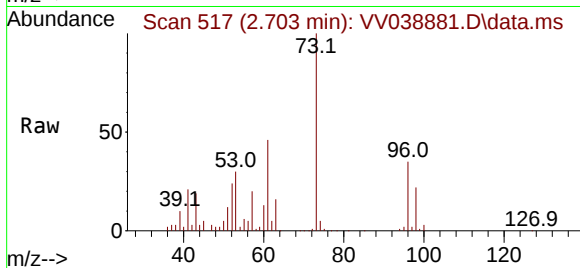




#21
trans-1,2-Dichloroethene
Concen: 18.075 ug/l
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

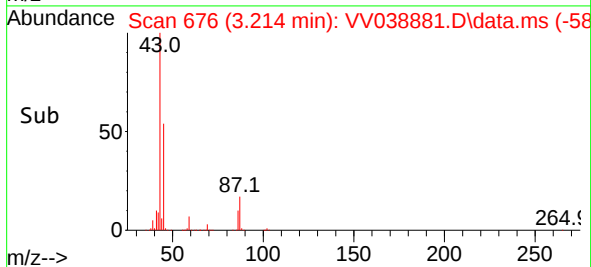
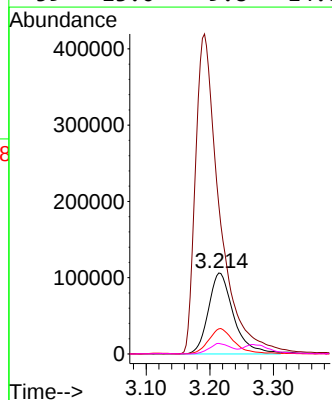
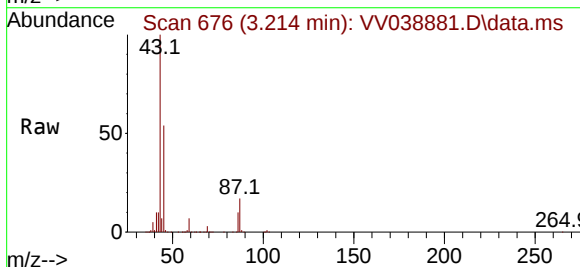
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

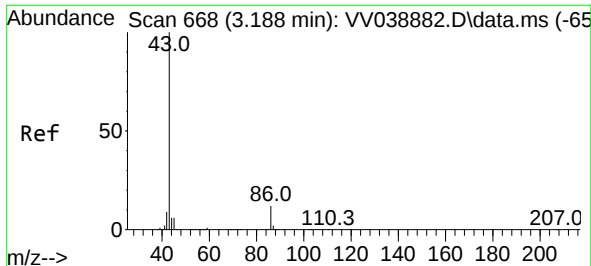
Tgt Ion: 96 Resp: 86309
Ion Ratio Lower Upper
96 100
61 132.6 102.0 153.0
98 62.7 51.0 76.6



#22
Diisopropyl ether
Concen: 20.382 ug/l
RT: 3.214 min Scan# 676
Delta R.T. 0.000 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

Tgt Ion: 45 Resp: 291183
Ion Ratio Lower Upper
45 100
43 184.4 132.1 198.1
87 30.9 25.0 37.4
59 13.0 9.8 14.8

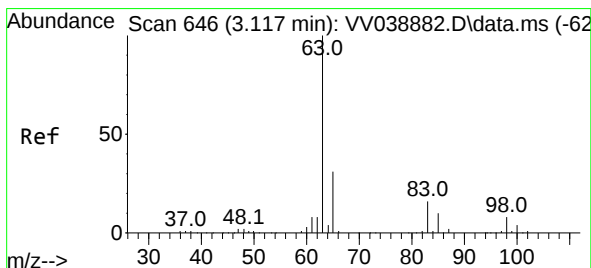
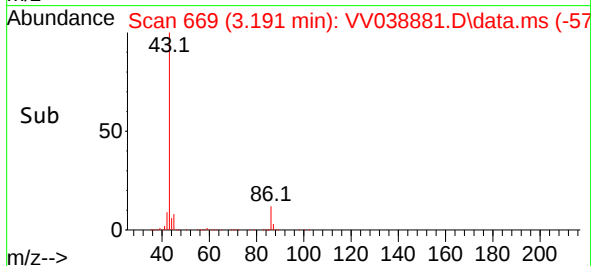
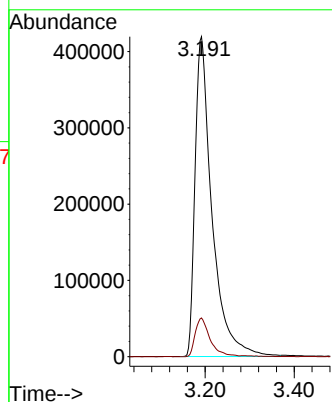
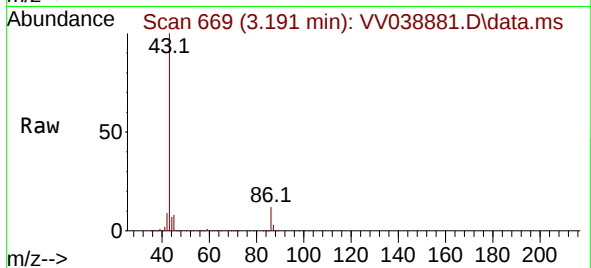




#23
 Vinyl Acetate
 Concen: 99.175 ug/l
 RT: 3.191 min Scan# 669
 Delta R.T. 0.003 min
 Lab File: VV038881.D
 Acq: 11 Jul 2025 09:11

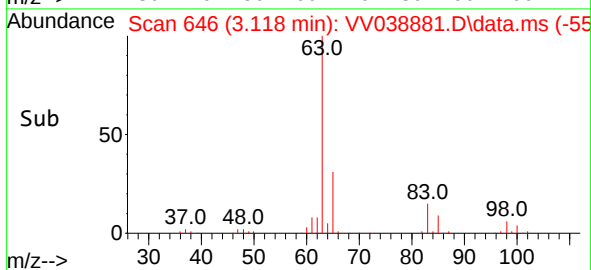
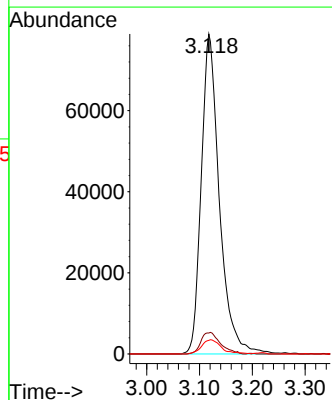
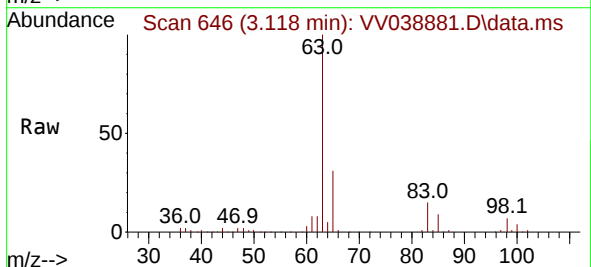
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

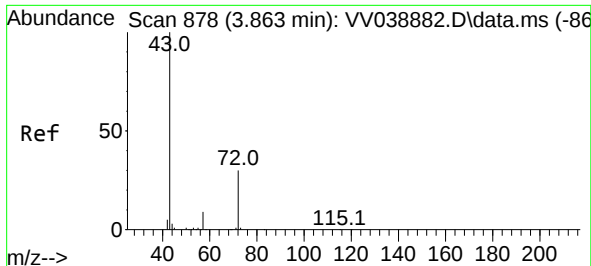
Tgt Ion: 43 Resp: 1110950
 Ion Ratio Lower Upper
 43 100
 86 12.1 9.8 14.6



#24
 1,1-Dichloroethane
 Concen: 20.104 ug/l
 RT: 3.118 min Scan# 646
 Delta R.T. 0.000 min
 Lab File: VV038881.D
 Acq: 11 Jul 2025 09:11

Tgt Ion: 63 Resp: 188092
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.9 11.7
 100 4.3 2.2 6.6

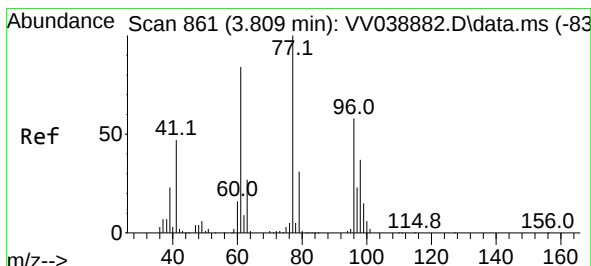
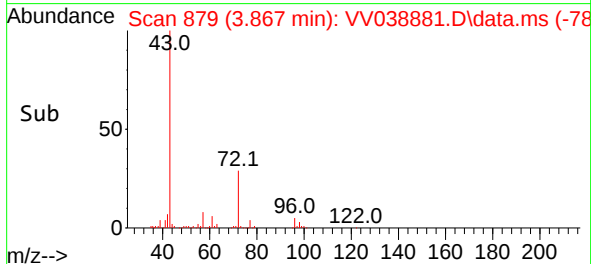
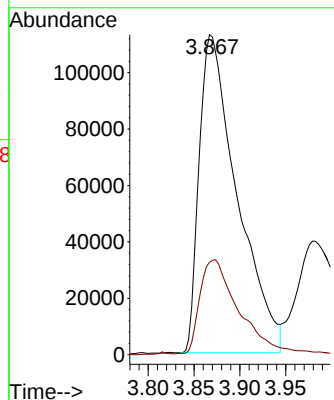
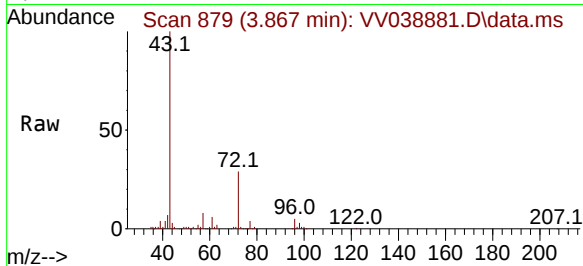




#25
2-Butanone
Concen: 99.989 ug/l
RT: 3.867 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

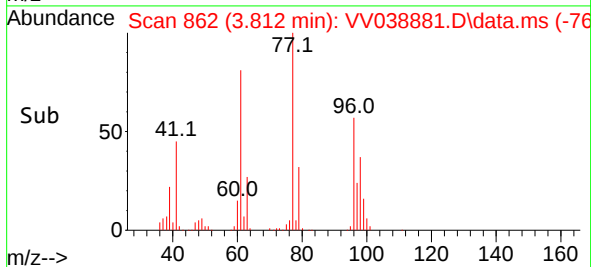
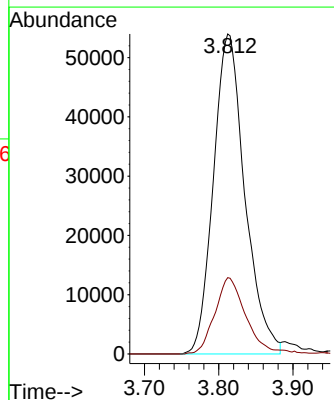
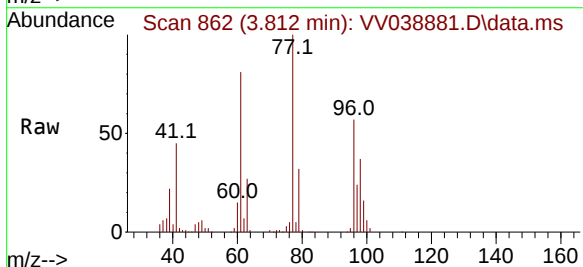
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

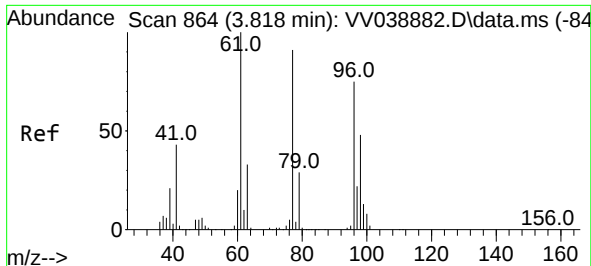
Tgt Ion: 43 Resp: 324446
Ion Ratio Lower Upper
43 100
72 28.6 23.9 35.9



#26
2,2-Dichloropropane
Concen: 19.391 ug/l
RT: 3.812 min Scan# 862
Delta R.T. 0.003 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

Tgt Ion: 77 Resp: 158840
Ion Ratio Lower Upper
77 100
97 23.7 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 18.921 ug/l

RT: 3.822 min Scan# 865

Delta R.T. 0.003 min

Lab File: VV038881.D

Acq: 11 Jul 2025 09:11

Instrument :

MSVOA_V

ClientSampleId :

VSTDICC020

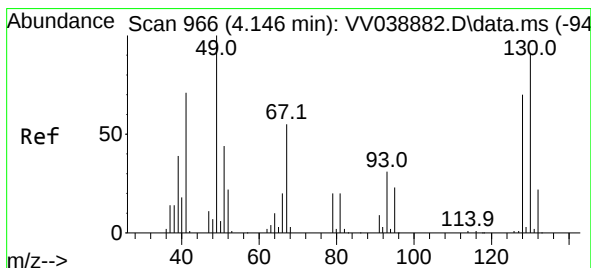
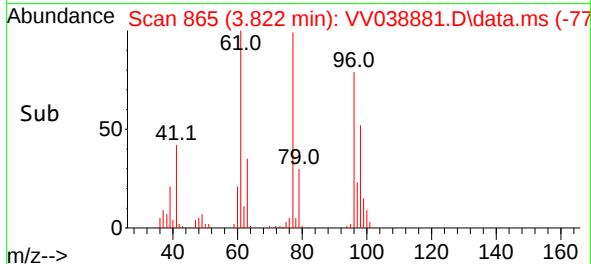
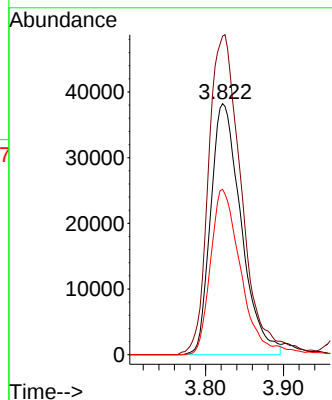
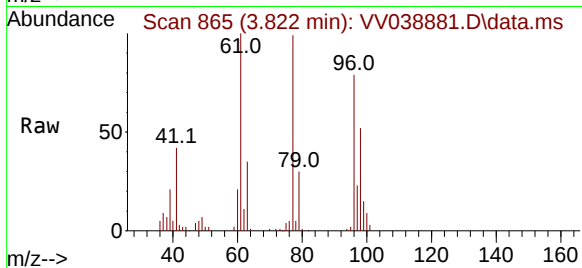
Tgt Ion: 96 Resp: 103750

Ion Ratio Lower Upper

96 100

61 137.8 0.0 275.0

98 63.7 0.0 130.0



#28

Bromochloromethane

Concen: 21.926 ug/l

RT: 4.146 min Scan# 966

Delta R.T. 0.000 min

Lab File: VV038881.D

Acq: 11 Jul 2025 09:11

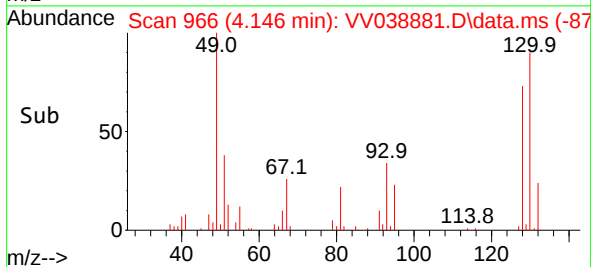
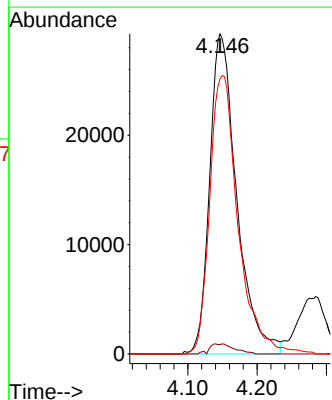
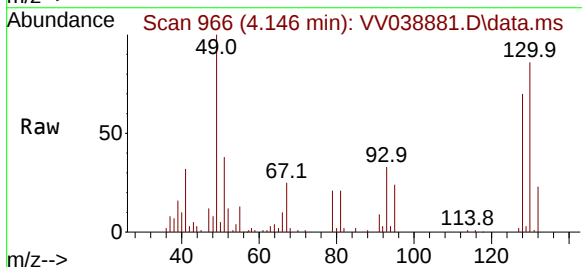
Tgt Ion: 49 Resp: 79408

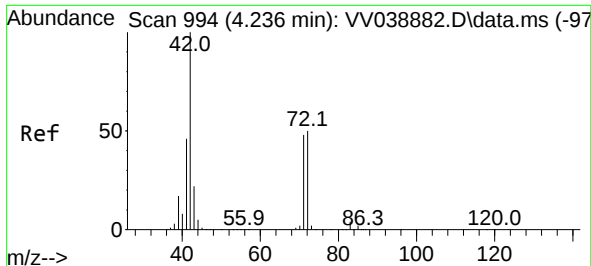
Ion Ratio Lower Upper

49 100

129 1.3 0.0 4.8

130 91.0 70.1 105.1

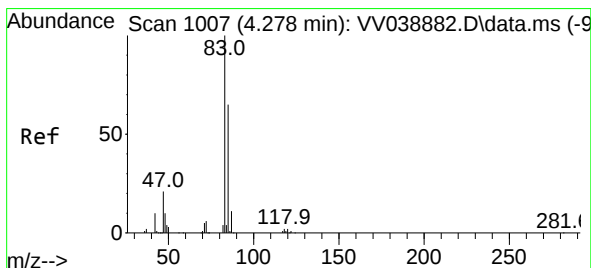
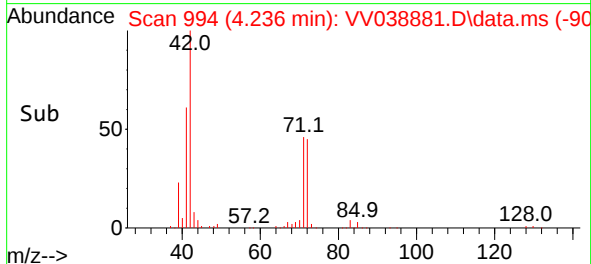
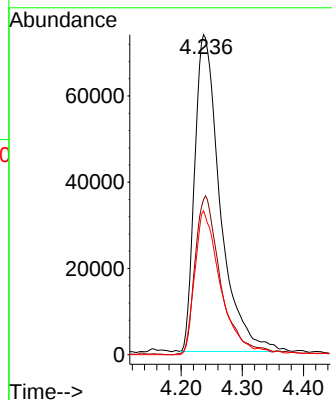
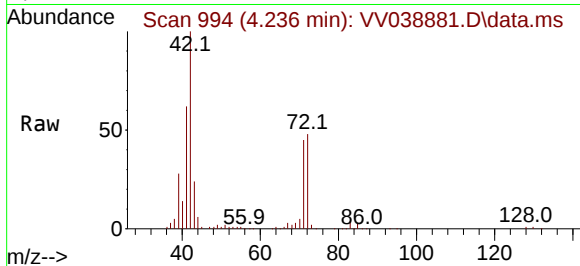




#29
Tetrahydrofuran
Concen: 99.327 ug/l
RT: 4.236 min Scan# 994
Delta R.T. 0.000 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

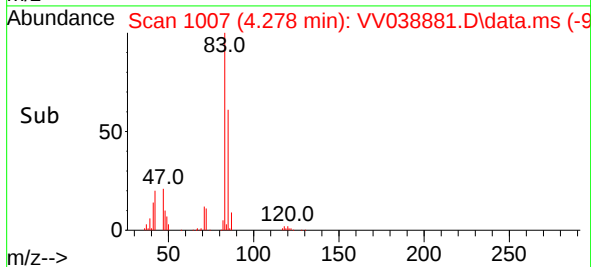
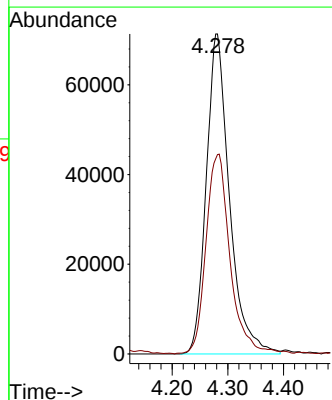
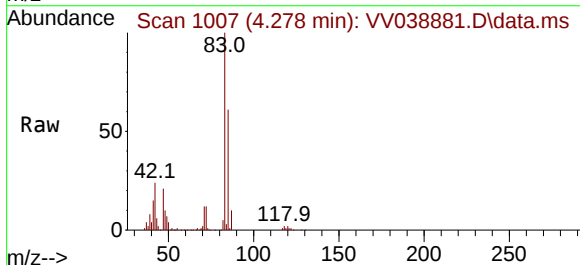
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

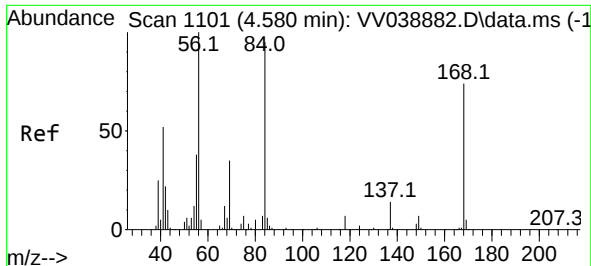
Tgt Ion: 42 Resp: 212671
Ion Ratio Lower Upper
42 100
72 50.4 41.6 62.4
71 45.1 38.4 57.6



#30
Chloroform
Concen: 20.002 ug/l
RT: 4.278 min Scan# 1007
Delta R.T. 0.000 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

Tgt Ion: 83 Resp: 206317
Ion Ratio Lower Upper
83 100
85 60.7 52.2 78.4

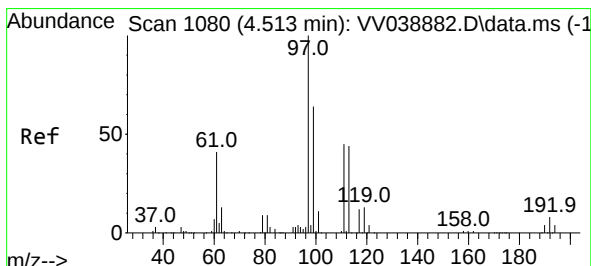
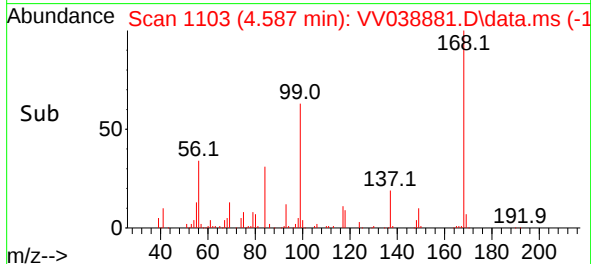
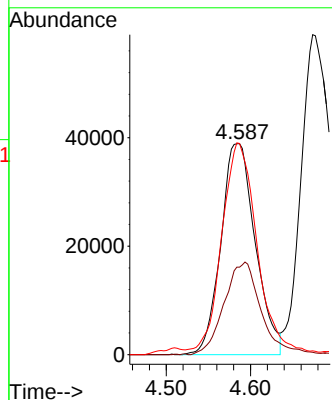
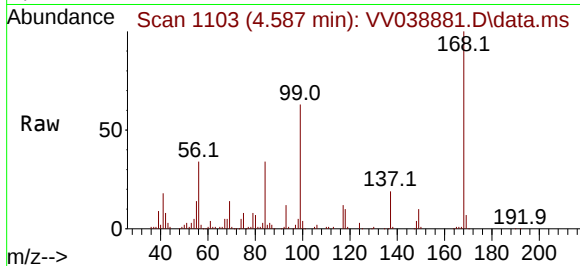




#31
Cyclohexane
Concen: 17.991 ug/l
RT: 4.587 min Scan# 1101
Delta R.T. 0.007 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

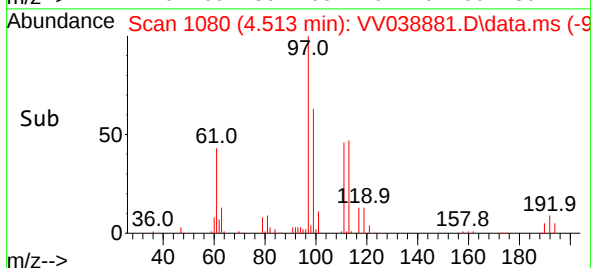
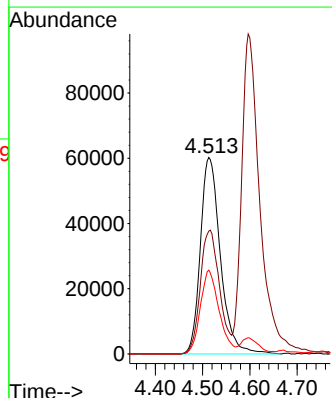
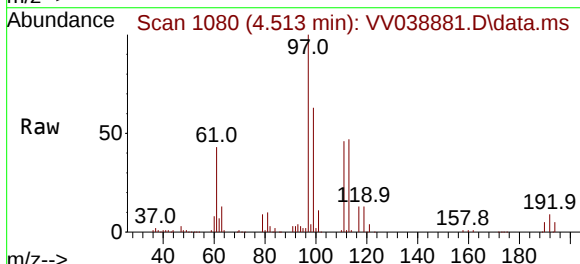
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

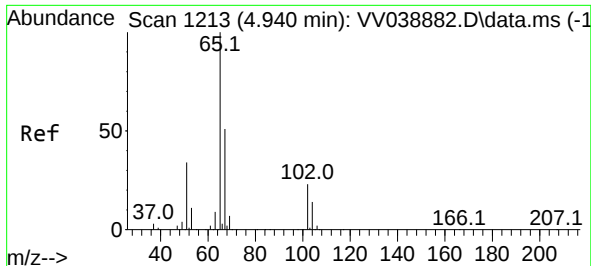
Tgt Ion: 56 Resp: 110481
Ion Ratio Lower Upper
56 100
69 41.5 28.2 42.2
84 97.5 76.0 114.0



#32
1,1,1-Trichloroethane
Concen: 19.706 ug/l
RT: 4.513 min Scan# 1080
Delta R.T. 0.000 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

Tgt Ion: 97 Resp: 177354
Ion Ratio Lower Upper
97 100
99 60.4 50.1 75.1
61 40.1 32.6 49.0





#33

1,2-Dichloroethane-d4

Concen: 18.412 ug/l

RT: 4.944 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV038881.D

Acq: 11 Jul 2025 09:11

Instrument :

MSVOA_V

ClientSampleId :

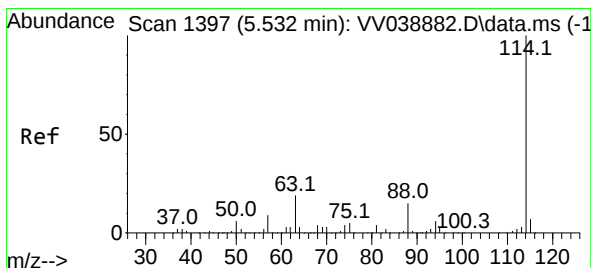
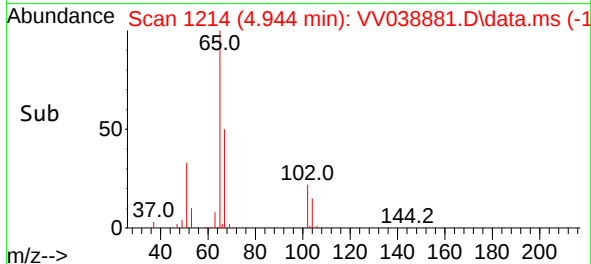
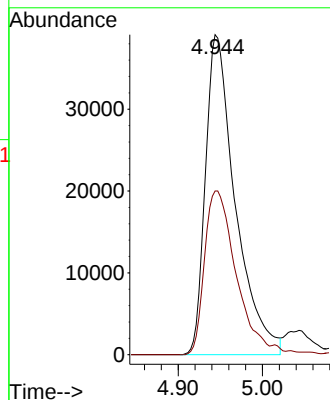
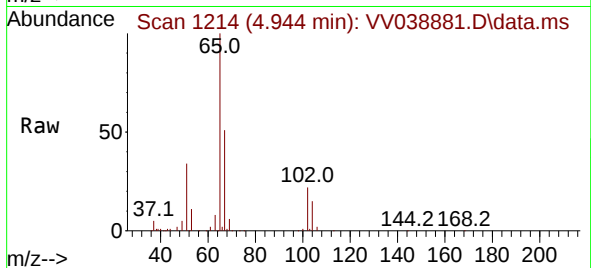
VSTDIC020

Tgt Ion: 65 Resp: 96440

Ion Ratio Lower Upper

65 100

67 54.2 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VV038881.D

Acq: 11 Jul 2025 09:11

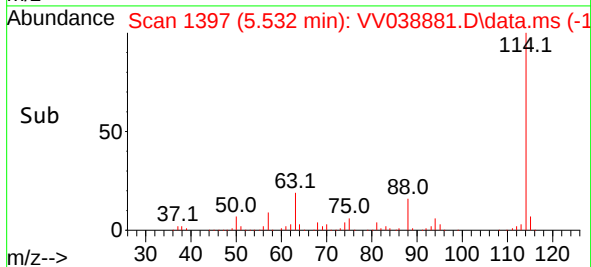
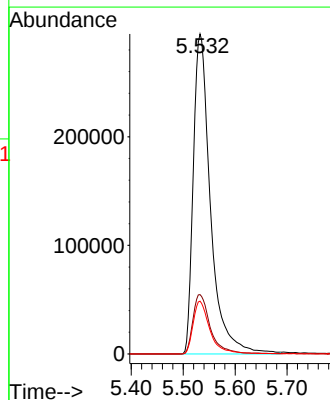
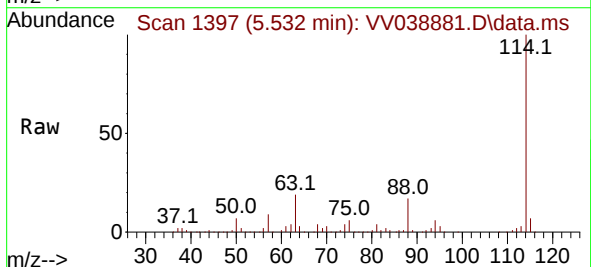
Tgt Ion: 114 Resp: 678379

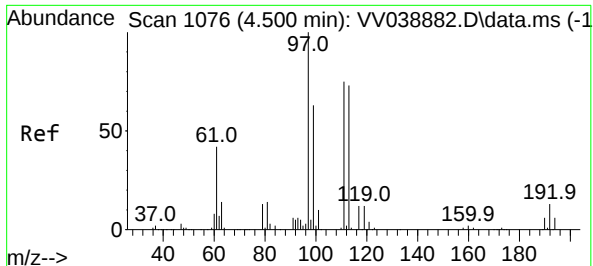
Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.2

88 16.5 0.0 30.8

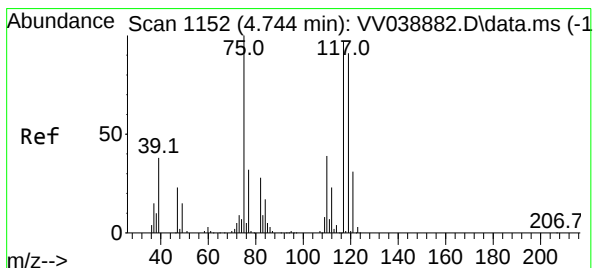
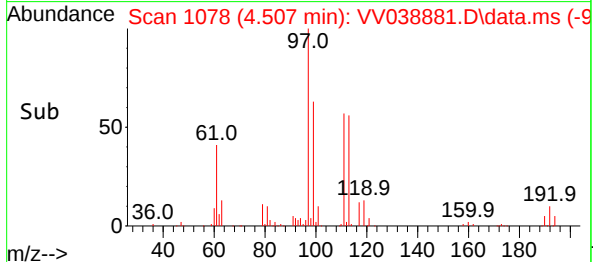
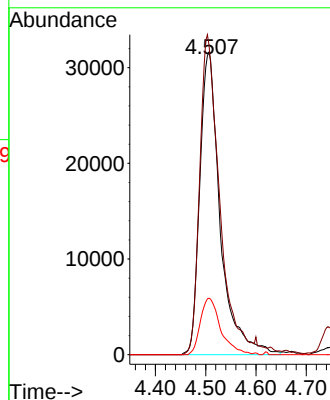
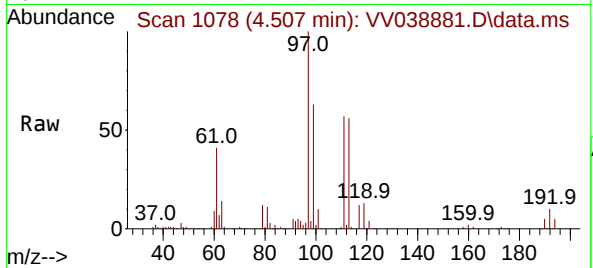




#35
Dibromofluoromethane
Concen: 19.250 ug/l
RT: 4.507 min Scan# 1107
Delta R.T. 0.007 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

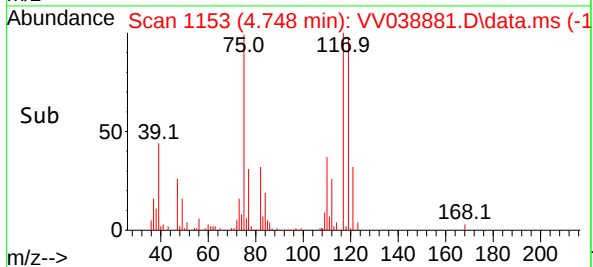
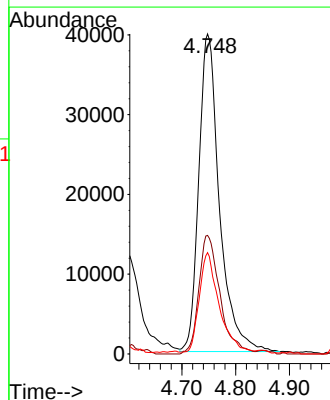
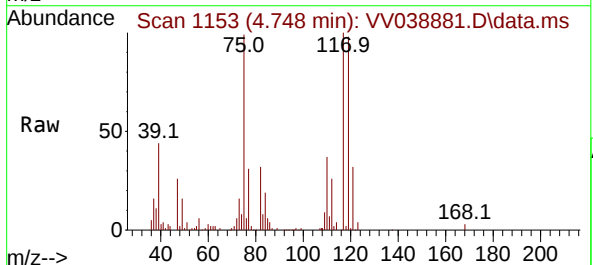
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

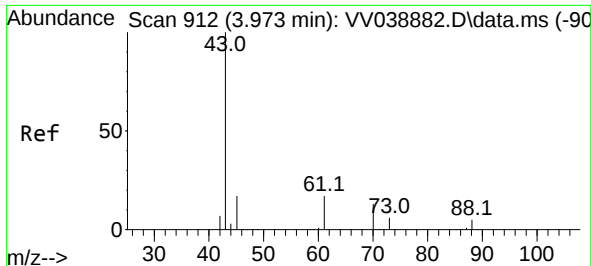
Tgt Ion:113 Resp: 89037
Ion Ratio Lower Upper
113 100
111 102.4 83.3 124.9
192 18.7 14.2 21.4



#36
1,1-Dichloropropene
Concen: 20.039 ug/l
RT: 4.748 min Scan# 1153
Delta R.T. 0.003 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

Tgt Ion: 75 Resp: 106520
Ion Ratio Lower Upper
75 100
110 38.1 18.8 56.3
77 29.6 24.2 36.4





#37

Ethyl Acetate

Concen: 19.751 ug/l

RT: 3.979 min Scan# 912

Delta R.T. 0.007 min

Lab File: VV038881.D

Acq: 11 Jul 2025 09:11

Instrument :

MSVOA_V

ClientSampleId :

VSTDICC020

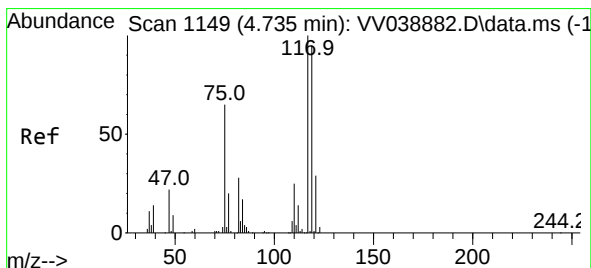
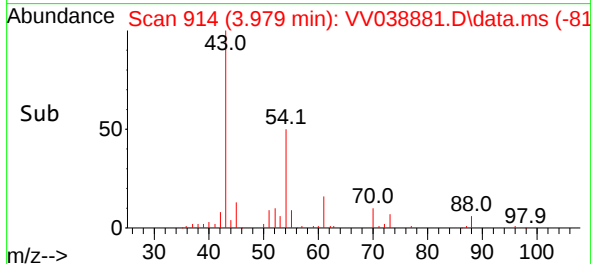
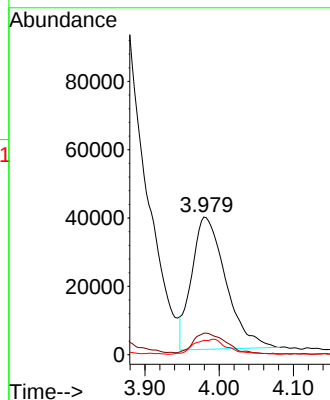
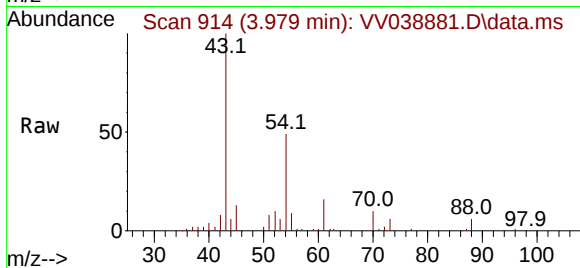
Tgt Ion: 43 Resp: 123608

Ion Ratio Lower Upper

43 100

61 13.1 11.1 16.7

70 11.3 8.9 13.3



#38

Carbon Tetrachloride

Concen: 20.080 ug/l

RT: 4.735 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VV038881.D

Acq: 11 Jul 2025 09:11

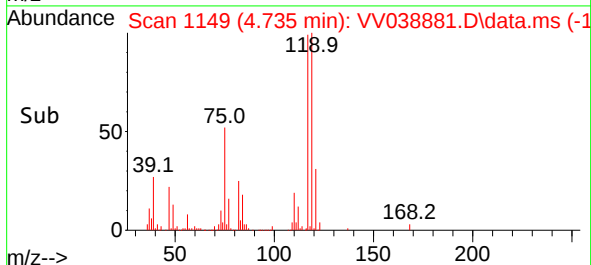
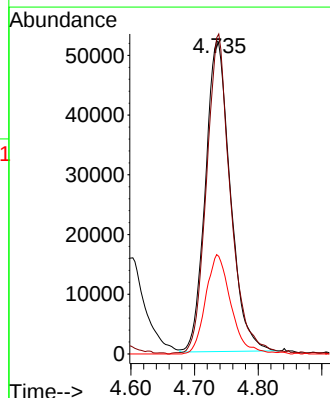
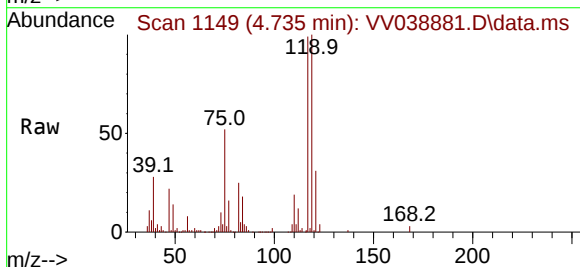
Tgt Ion: 117 Resp: 141781

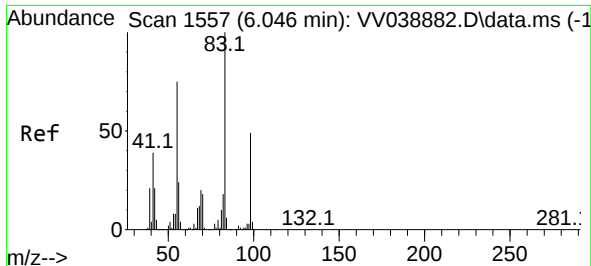
Ion Ratio Lower Upper

117 100

119 101.4 76.0 114.0

121 32.0 23.1 34.7





#39

Methylcyclohexane

Concen: 18.018 ug/l

RT: 6.047 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV038881.D

Acq: 11 Jul 2025 09:11

Instrument :

MSVOA_V

ClientSampleId :

VSTDICC020

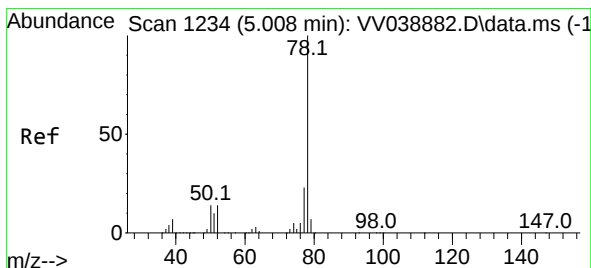
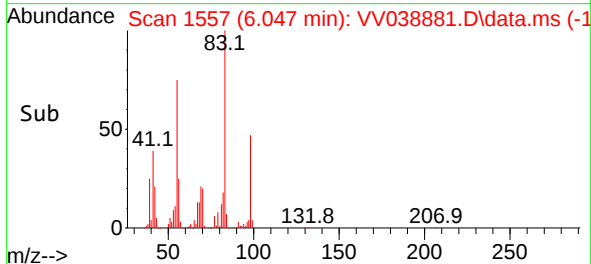
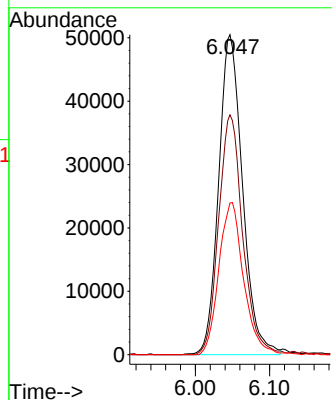
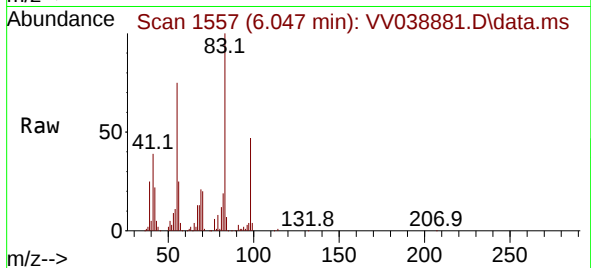
Tgt Ion: 83 Resp: 113006

Ion Ratio Lower Upper

83 100

55 74.9 60.0 90.0

98 47.4 39.0 58.6



#40

Benzene

Concen: 20.050 ug/l

RT: 5.011 min Scan# 1235

Delta R.T. 0.003 min

Lab File: VV038881.D

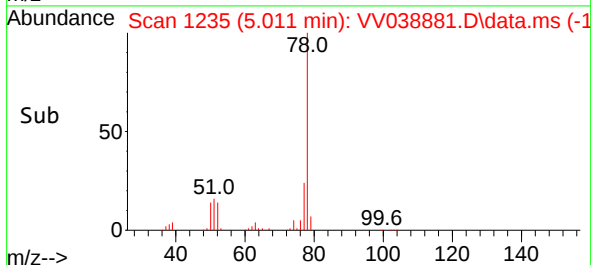
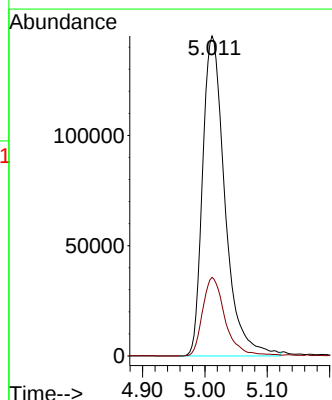
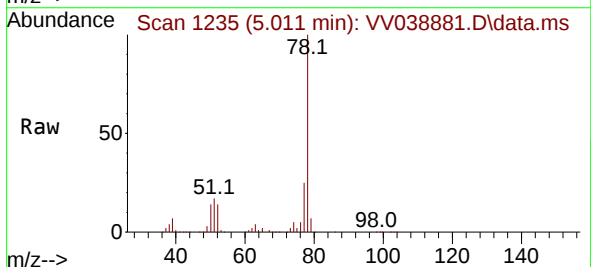
Acq: 11 Jul 2025 09:11

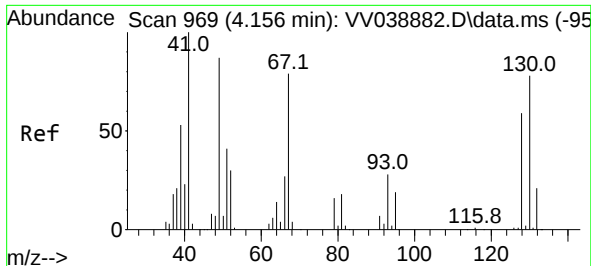
Tgt Ion: 78 Resp: 361289

Ion Ratio Lower Upper

78 100

77 24.5 18.6 28.0

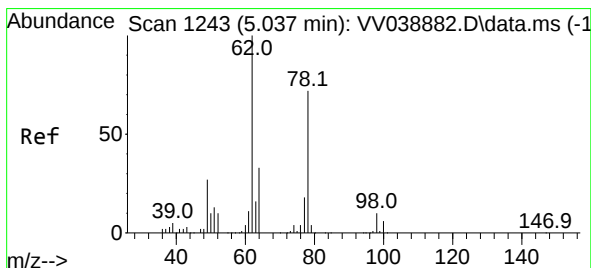
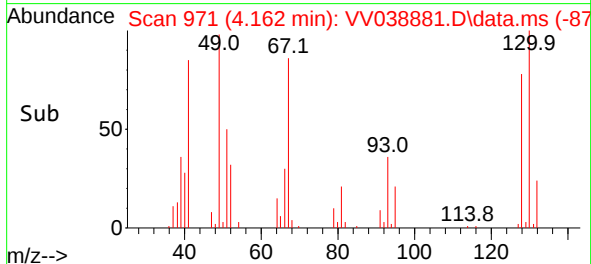
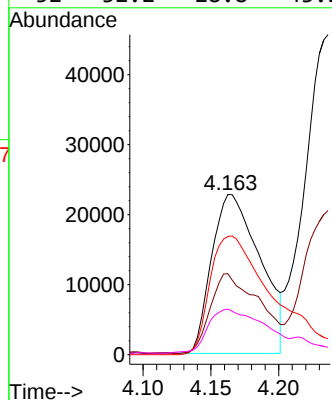
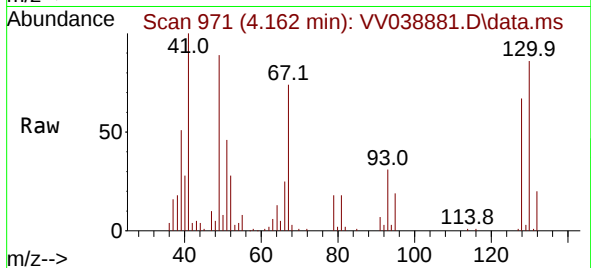




#41
Methacrylonitrile
Concen: 19.871 ug/l
RT: 4.162 min Scan# 91
Delta R.T. 0.007 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

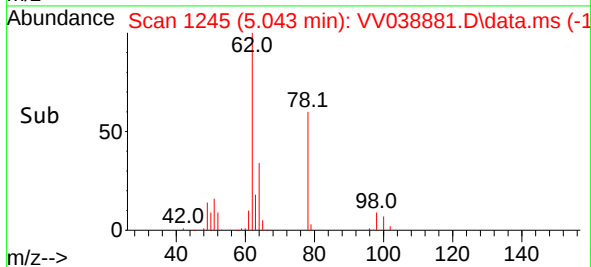
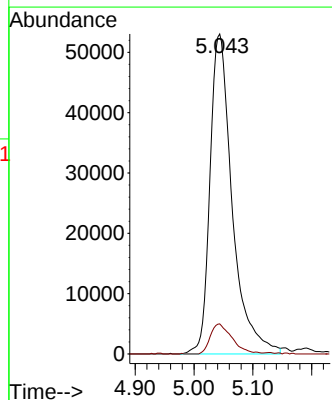
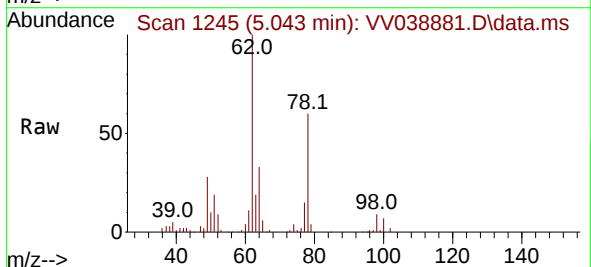
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

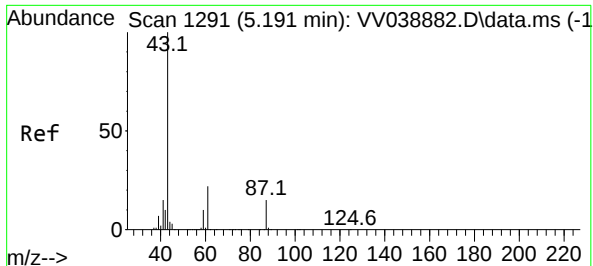
Tgt Ion: 41 Resp: 56356
Ion Ratio Lower Upper
41 100
39 50.8 42.0 63.0
67 101.2 76.2 114.2
52 32.2 28.8 43.2



#42
1,2-Dichloroethane
Concen: 20.337 ug/l
RT: 5.043 min Scan# 1245
Delta R.T. 0.007 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

Tgt Ion: 62 Resp: 139681
Ion Ratio Lower Upper
62 100
98 9.2 0.0 18.8





#43

Isopropyl Acetate

Concen: 19.627 ug/l

RT: 5.195 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV038881.D

Acq: 11 Jul 2025 09:11

Instrument :

MSVOA_V

ClientSampleId :

VSTDICC020

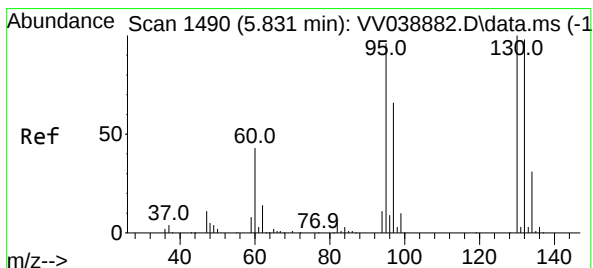
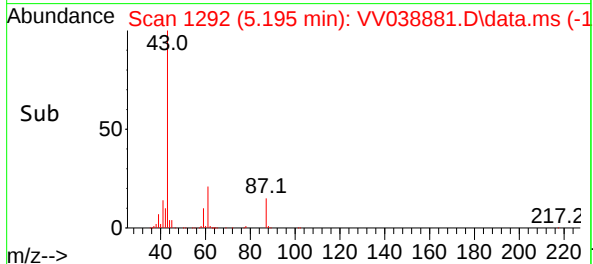
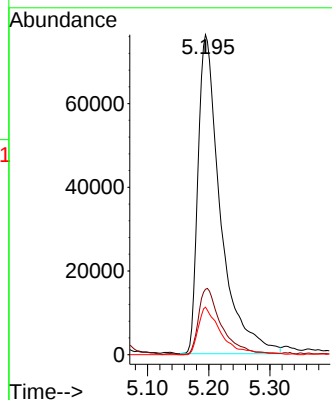
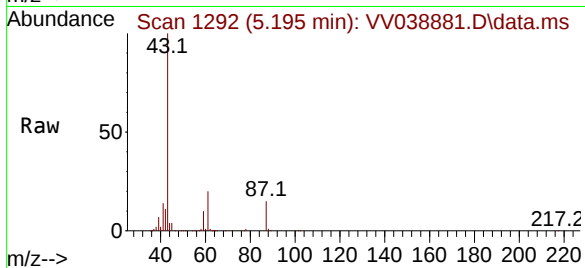
Tgt Ion: 43 Resp: 194267

Ion Ratio Lower Upper

43 100

61 21.2 17.1 25.7

87 15.2 12.2 18.4



#44

Trichloroethene

Concen: 19.380 ug/l

RT: 5.834 min Scan# 1491

Delta R.T. 0.003 min

Lab File: VV038881.D

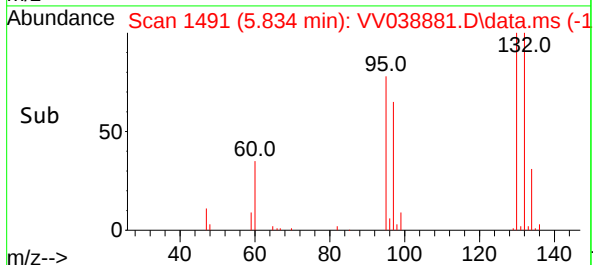
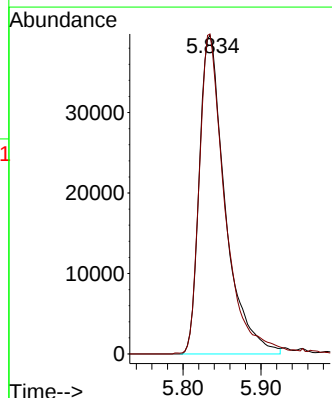
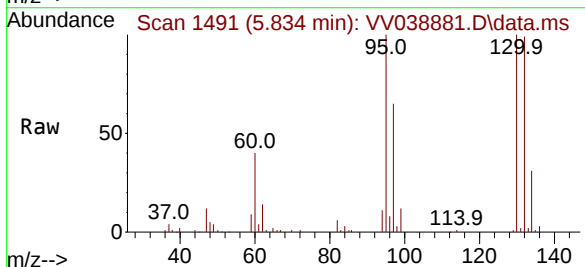
Acq: 11 Jul 2025 09:11

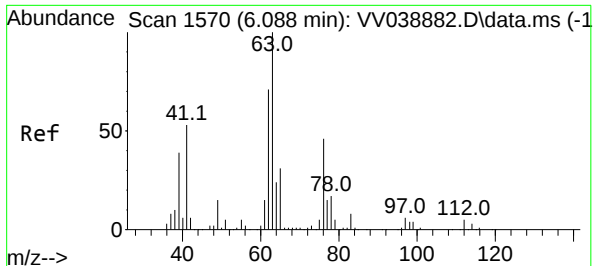
Tgt Ion:130 Resp: 91255

Ion Ratio Lower Upper

130 100

95 100.2 0.0 191.2





#45

1,2-Dichloropropane

Concen: 19.881 ug/l

RT: 6.088 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV038881.D

Acq: 11 Jul 2025 09:11

Instrument :

MSVOA_V

ClientSampleId :

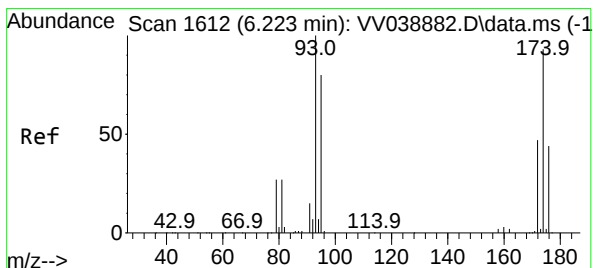
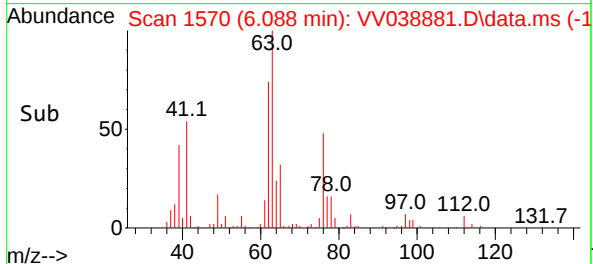
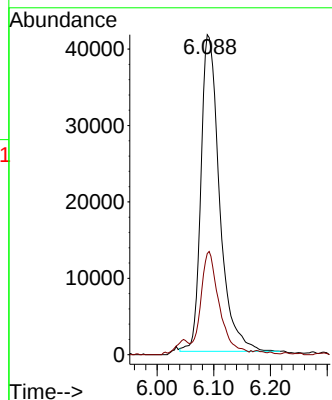
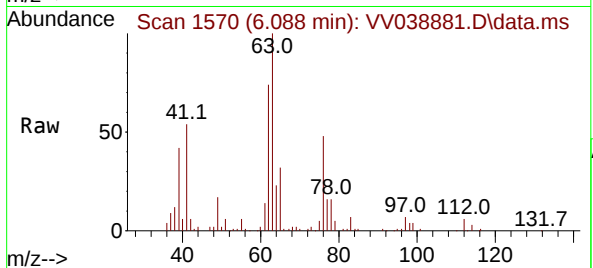
VSTDICC020

Tgt Ion: 63 Resp: 94632

Ion Ratio Lower Upper

63 100

65 31.7 24.9 37.3



#46

Dibromomethane

Concen: 20.096 ug/l

RT: 6.230 min Scan# 1614

Delta R.T. 0.007 min

Lab File: VV038881.D

Acq: 11 Jul 2025 09:11

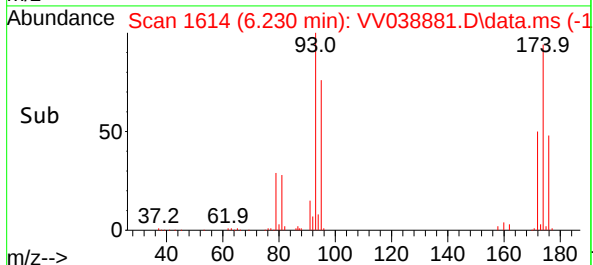
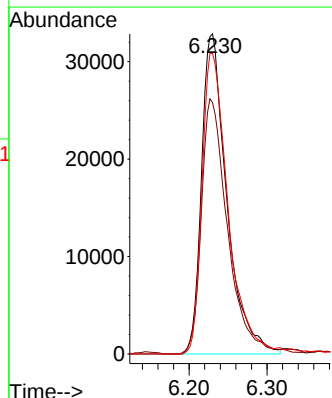
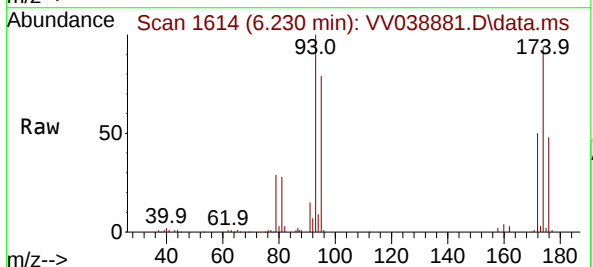
Tgt Ion: 93 Resp: 74011

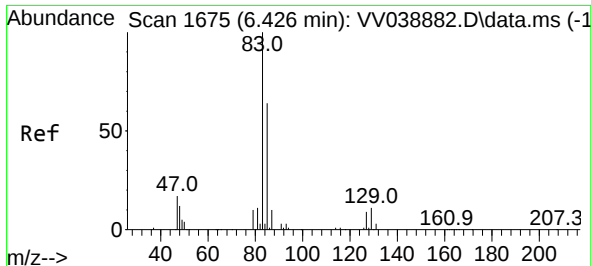
Ion Ratio Lower Upper

93 100

95 82.1 66.2 99.4

174 96.1 75.3 112.9

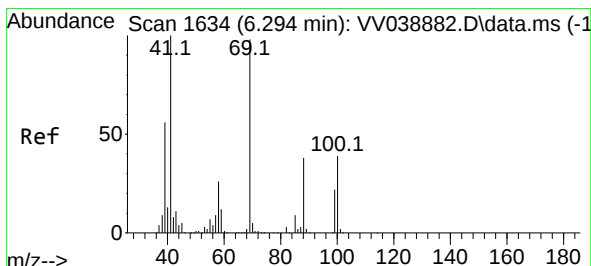
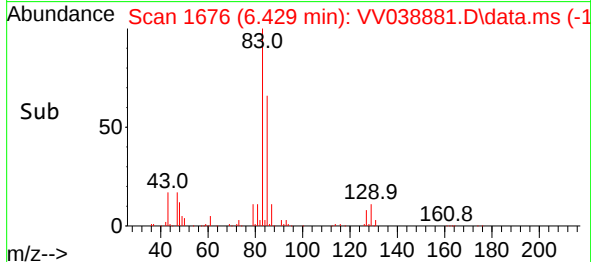
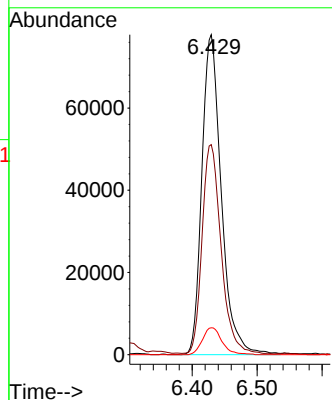
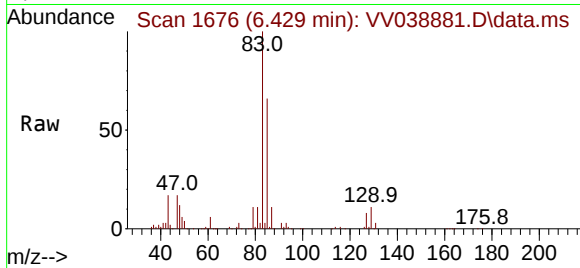




#47
Bromodichloromethane
Concen: 20.779 ug/l
RT: 6.429 min Scan# 1675
Delta R.T. 0.003 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

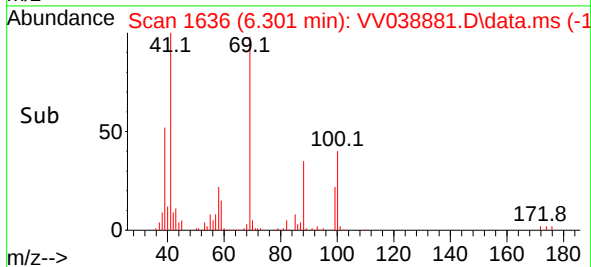
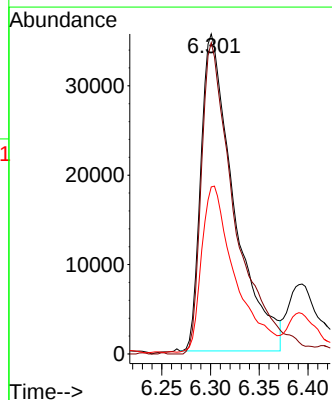
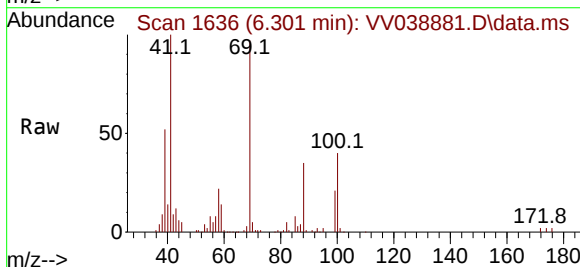
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

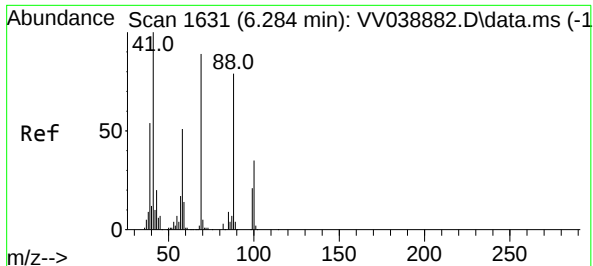
Tgt Ion: 83 Resp: 162415
Ion Ratio Lower Upper
83 100
85 65.3 51.4 77.0
127 8.4 6.9 10.3



#48
Methyl methacrylate
Concen: 19.261 ug/l
RT: 6.301 min Scan# 1636
Delta R.T. 0.007 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

Tgt Ion: 41 Resp: 83488
Ion Ratio Lower Upper
41 100
69 101.5 79.4 119.2
39 53.0 44.0 66.0





#49

1,4-Dioxane

Concen: 387.832 ug/l

RT: 6.291 min Scan# 1

Delta R.T. 0.007 min

Lab File: VV038881.D

Acq: 11 Jul 2025 09:11

Instrument :

MSVOA_V

ClientSampleId :

VSTDICC020

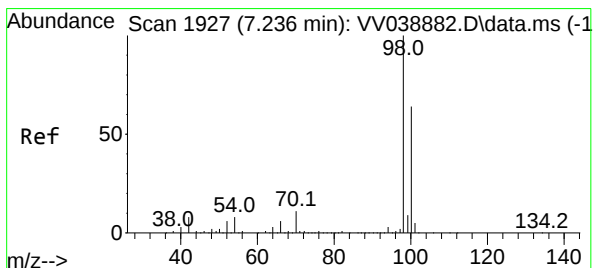
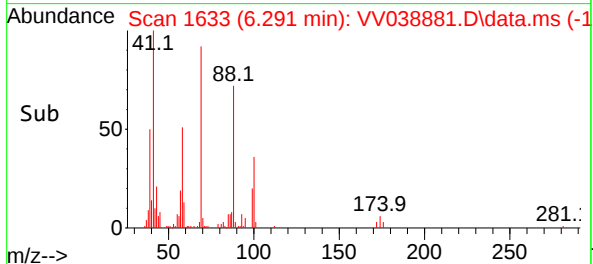
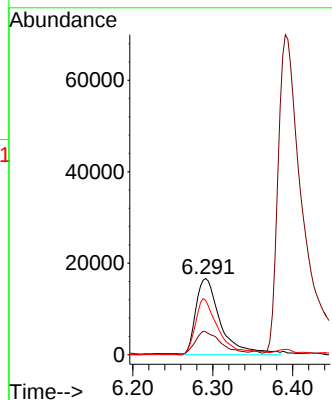
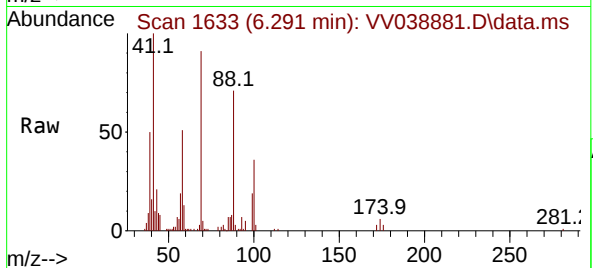
Tgt Ion: 88 Resp: 36080

Ion Ratio Lower Upper

88 100

43 29.8 23.0 34.4

58 68.8 53.8 80.6



#50

Toluene-d8

Concen: 18.616 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. 0.000 min

Lab File: VV038881.D

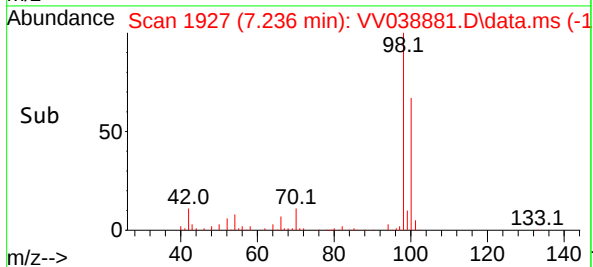
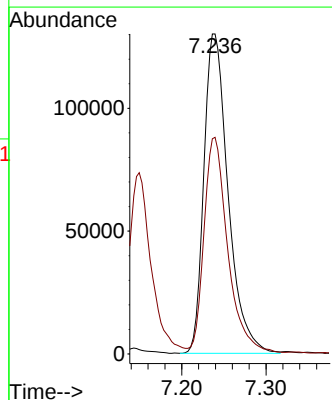
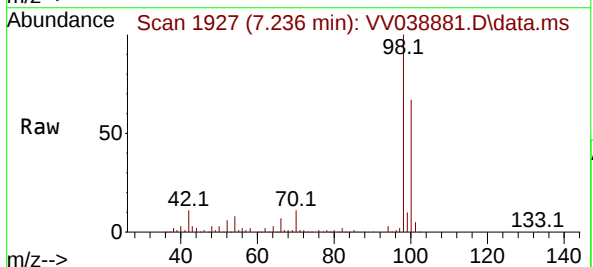
Acq: 11 Jul 2025 09:11

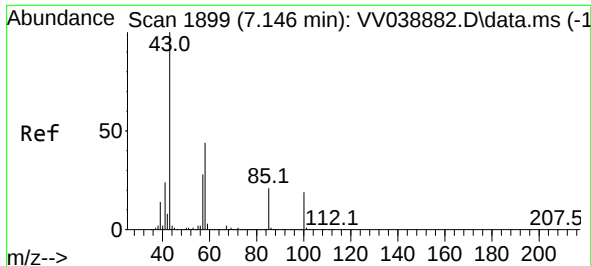
Tgt Ion: 98 Resp: 260257

Ion Ratio Lower Upper

98 100

100 66.0 52.9 79.3

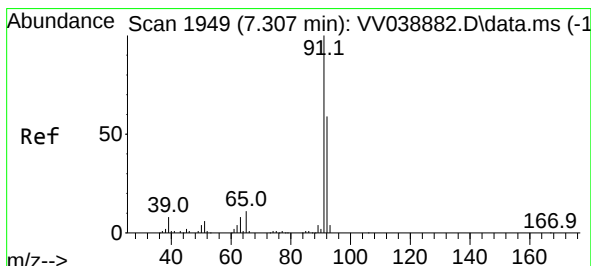
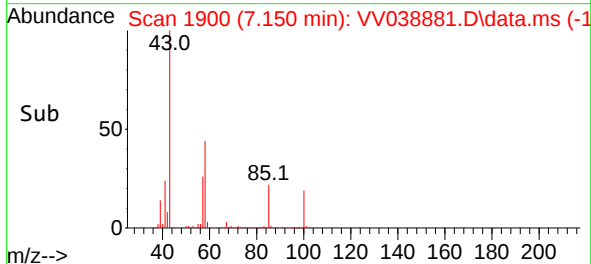
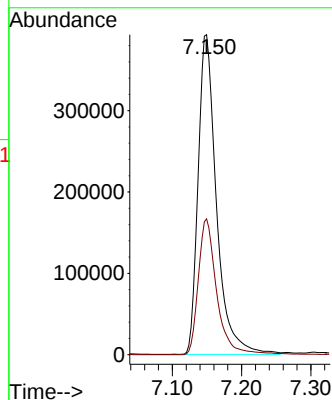
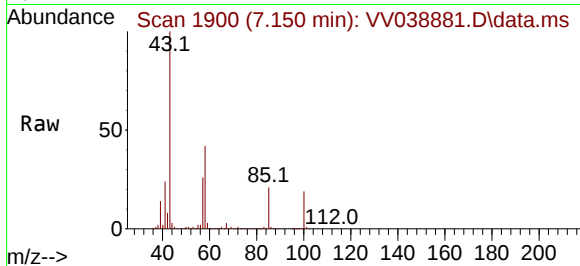




#51
4-Methyl-2-Pentanone
Concen: 107.594 ug/l
RT: 7.150 min Scan# 1900
Delta R.T. 0.003 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

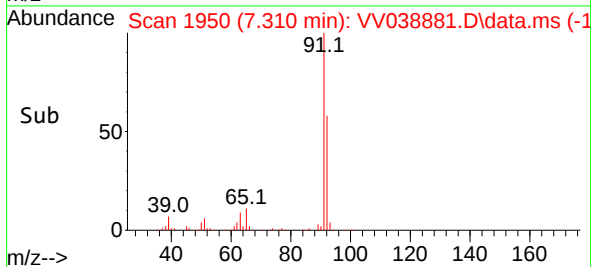
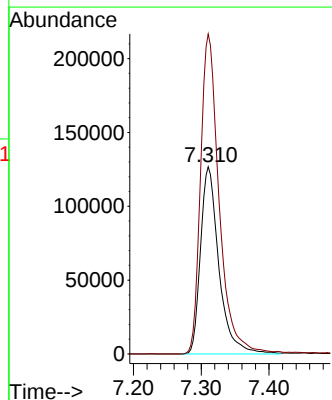
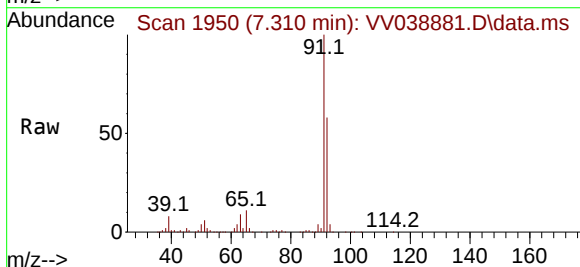
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

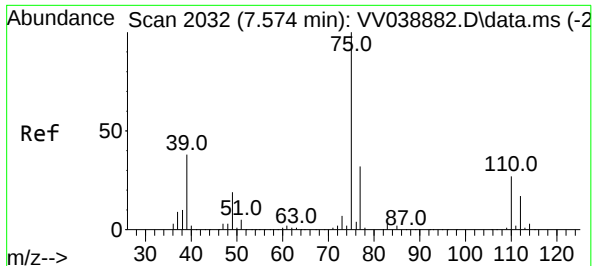
Tgt Ion: 43 Resp: 725148
Ion Ratio Lower Upper
43 100
58 42.8 34.5 51.7



#52
Toluene
Concen: 21.068 ug/l
RT: 7.310 min Scan# 1950
Delta R.T. 0.003 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

Tgt Ion: 92 Resp: 239153
Ion Ratio Lower Upper
92 100
91 172.6 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 20.825 ug/l

RT: 7.577 min Scan# 2032

Delta R.T. 0.003 min

Lab File: VV038881.D

Acq: 11 Jul 2025 09:11

Instrument :

MSVOA_V

ClientSampleId :

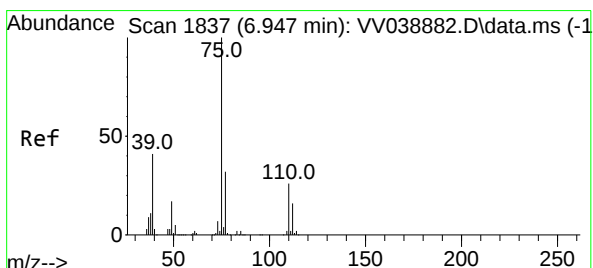
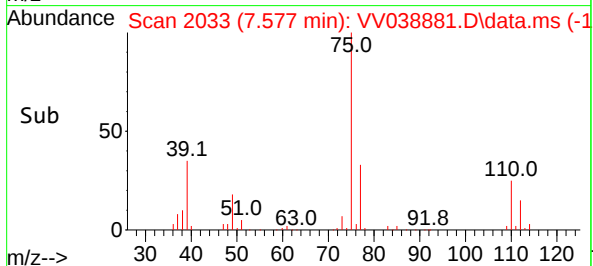
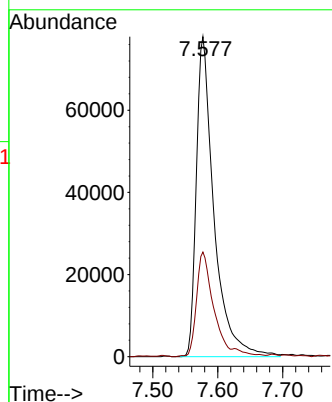
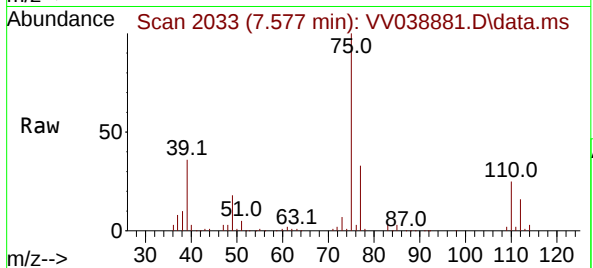
VSTDIC020

Tgt Ion: 75 Resp: 147281

Ion Ratio Lower Upper

75 100

77 32.4 26.0 39.0



#54

cis-1,3-Dichloropropene

Concen: 20.318 ug/l

RT: 6.950 min Scan# 1838

Delta R.T. 0.003 min

Lab File: VV038881.D

Acq: 11 Jul 2025 09:11

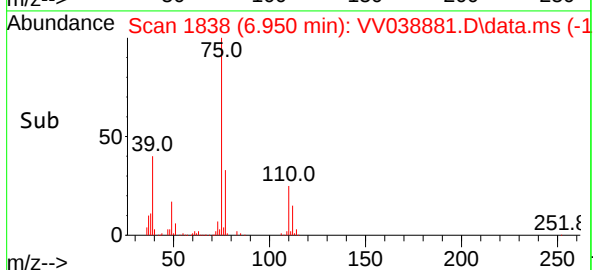
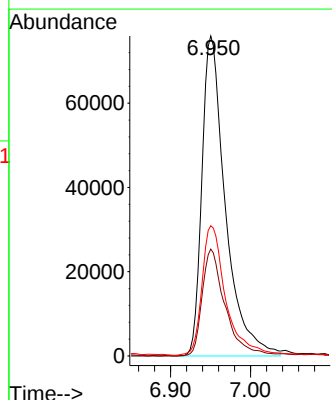
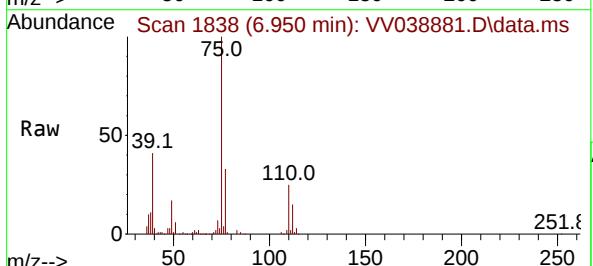
Tgt Ion: 75 Resp: 155338

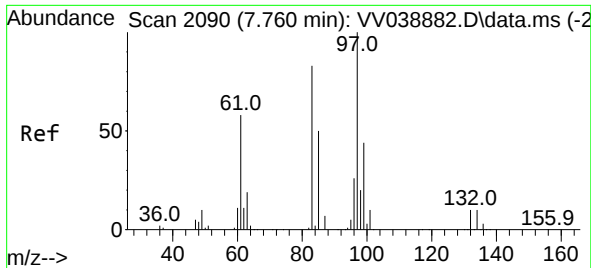
Ion Ratio Lower Upper

75 100

77 33.2 25.5 38.3

39 40.3 33.1 49.7

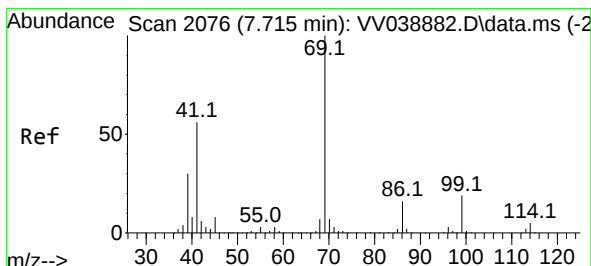
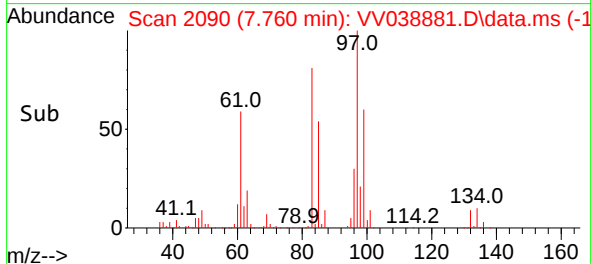
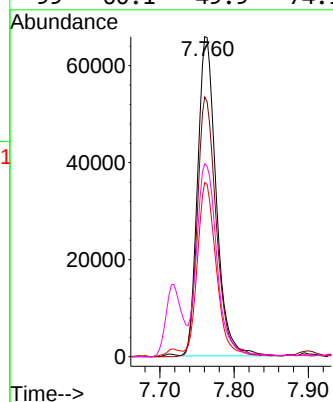
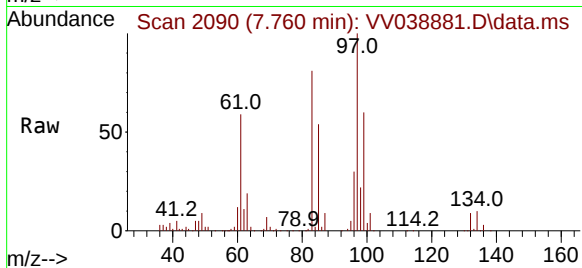




#55
 1,1,2-Trichloroethane
 Concen: 21.084 ug/l
 RT: 7.760 min Scan# 2090
 Delta R.T. 0.000 min
 Lab File: VV038881.D
 Acq: 11 Jul 2025 09:11

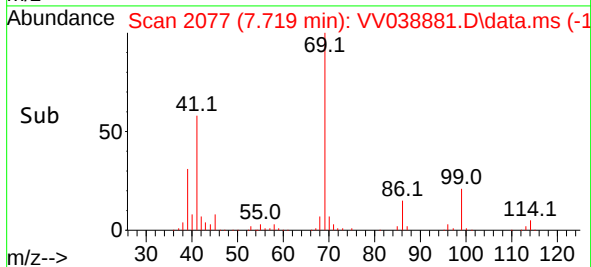
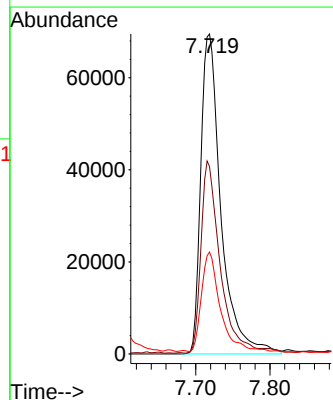
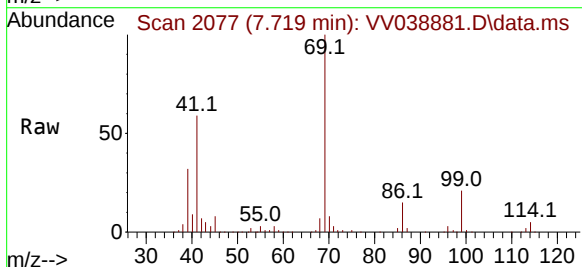
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

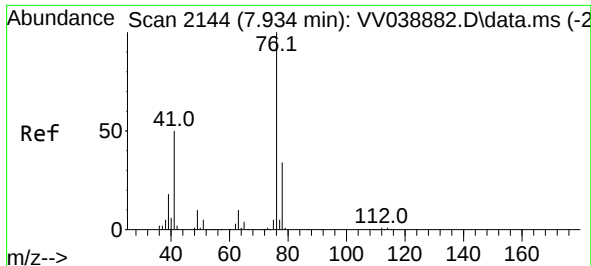
Tgt Ion:	97	Resp:	114398
Ion	Ratio	Lower	Upper
97	100		
83	81.1	66.2	99.4
85	54.3	41.4	62.2
99	60.1	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 20.409 ug/l
 RT: 7.719 min Scan# 2077
 Delta R.T. 0.003 min
 Lab File: VV038881.D
 Acq: 11 Jul 2025 09:11

Tgt Ion:	69	Resp:	131591
Ion	Ratio	Lower	Upper
69	100		
41	56.2	45.7	68.5
39	28.6	23.8	35.8





#57

1,3-Dichloropropane

Concen: 20.816 ug/l

RT: 7.934 min Scan# 2144

Delta R.T. 0.000 min

Lab File: VV038881.D

Acq: 11 Jul 2025 09:11

Instrument :

MSVOA_V

ClientSampleId :

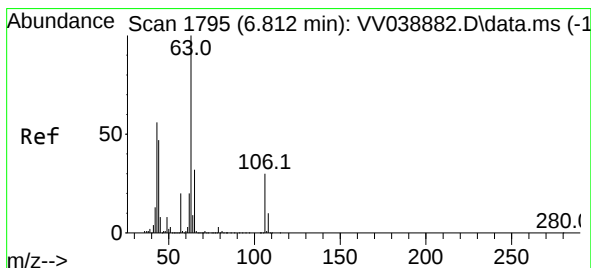
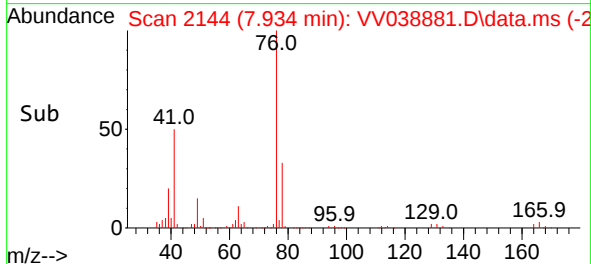
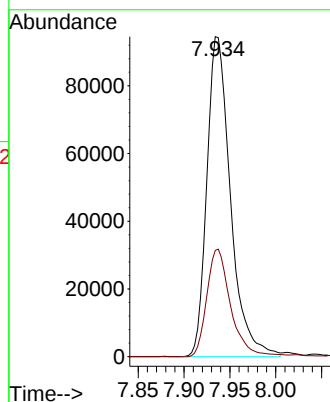
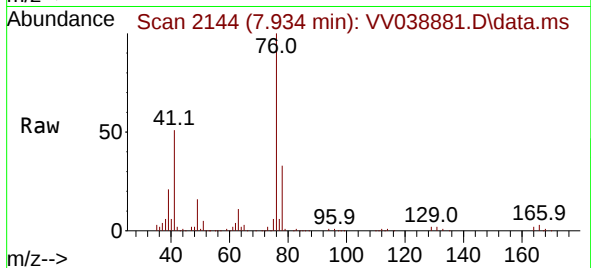
VSTDICC020

Tgt Ion: 76 Resp: 169353

Ion Ratio Lower Upper

76 100

78 34.0 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 98.651 ug/l

RT: 6.812 min Scan# 1795

Delta R.T. 0.000 min

Lab File: VV038881.D

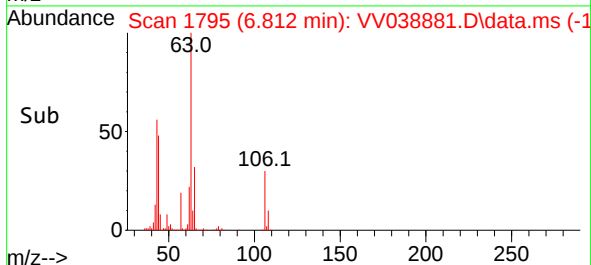
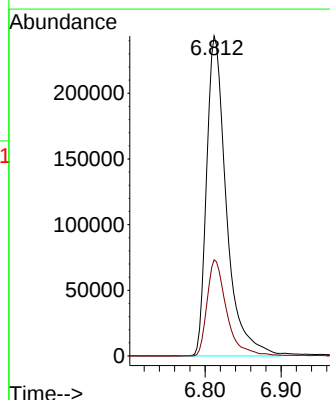
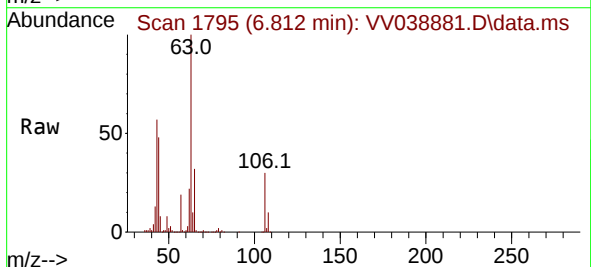
Acq: 11 Jul 2025 09:11

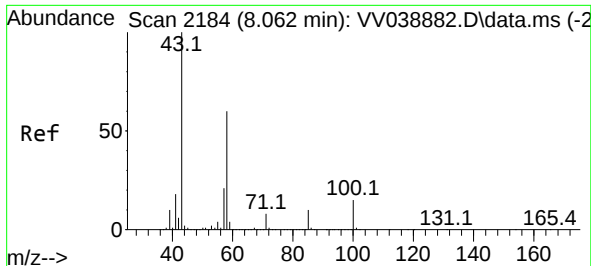
Tgt Ion: 63 Resp: 440487

Ion Ratio Lower Upper

63 100

106 29.7 24.1 36.1

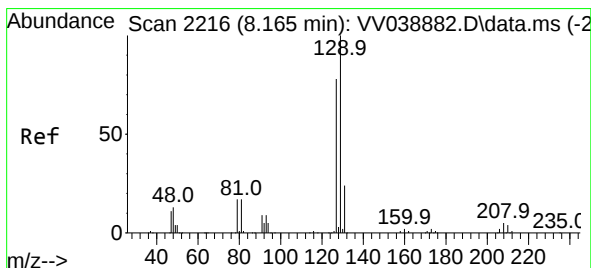
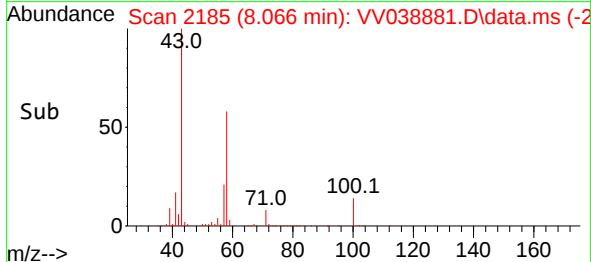
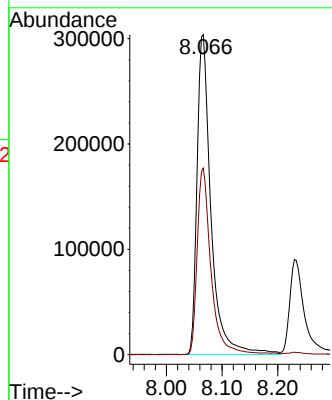
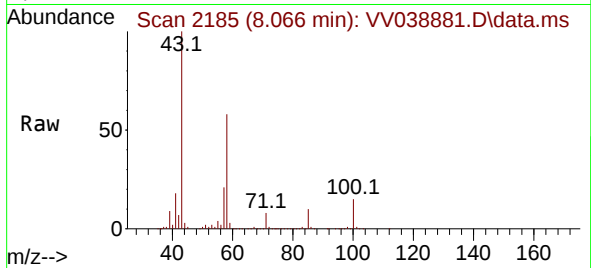




#59
2-Hexanone
Concen: 105.518 ug/l
RT: 8.066 min Scan# 2184
Delta R.T. 0.003 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

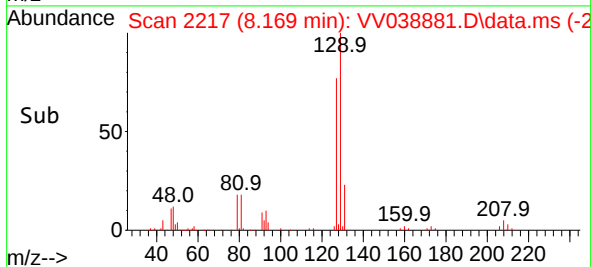
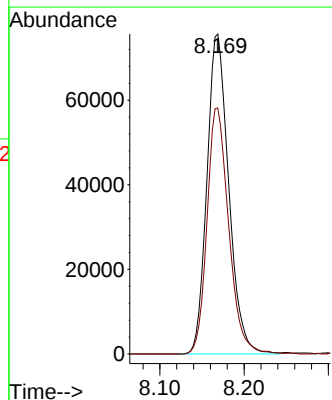
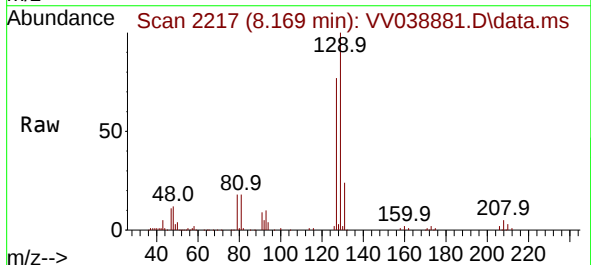
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

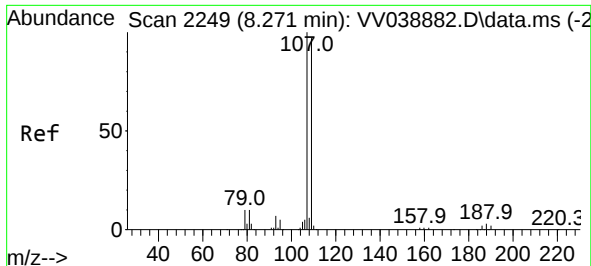
Tgt Ion: 43 Resp: 529388
Ion Ratio Lower Upper
43 100
58 57.7 29.6 88.8



#60
Dibromochloromethane
Concen: 21.279 ug/l
RT: 8.169 min Scan# 2217
Delta R.T. 0.003 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

Tgt Ion: 129 Resp: 135966
Ion Ratio Lower Upper
129 100
127 76.7 39.4 118.2

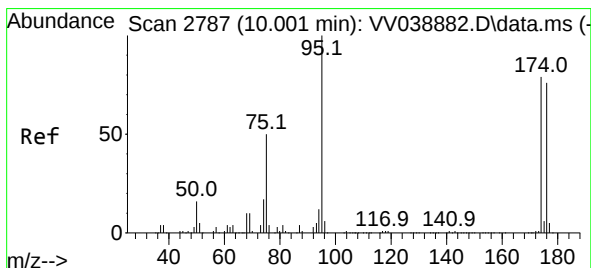
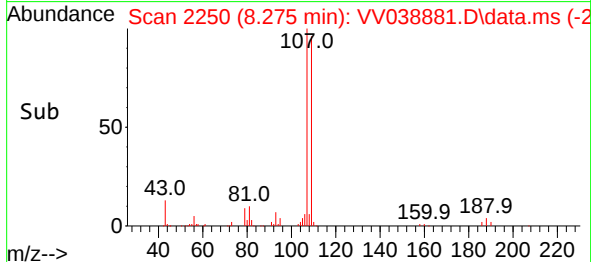
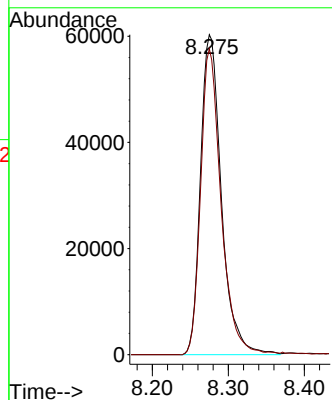
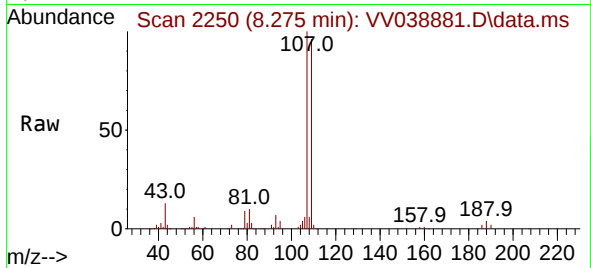




#61
1,2-Dibromoethane
Concen: 21.046 ug/l
RT: 8.275 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

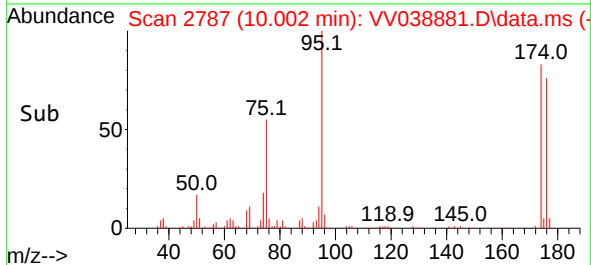
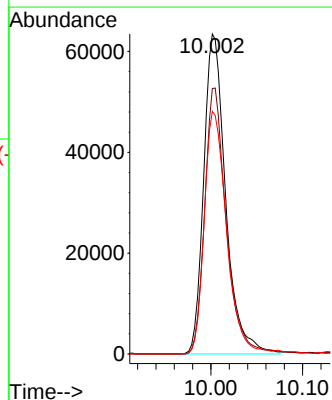
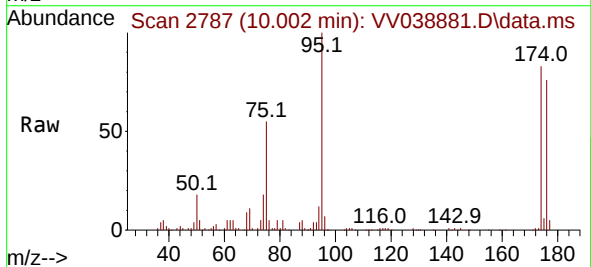
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

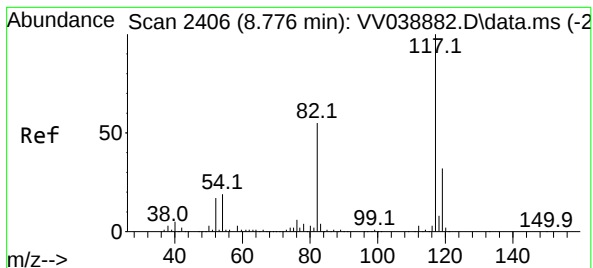
Tgt Ion:107 Resp: 115044
Ion Ratio Lower Upper
107 100
109 93.1 77.1 115.7



#62
4-Bromofluorobenzene
Concen: 18.735 ug/l
RT: 10.002 min Scan# 2787
Delta R.T. 0.000 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

Tgt Ion: 95 Resp: 105512
Ion Ratio Lower Upper
95 100
174 81.9 0.0 160.0
176 76.9 0.0 152.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.776 min Scan# 2406

Delta R.T. 0.000 min

Lab File: VV038881.D

Acq: 11 Jul 2025 09:11

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

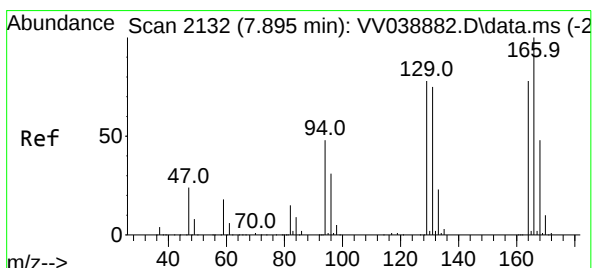
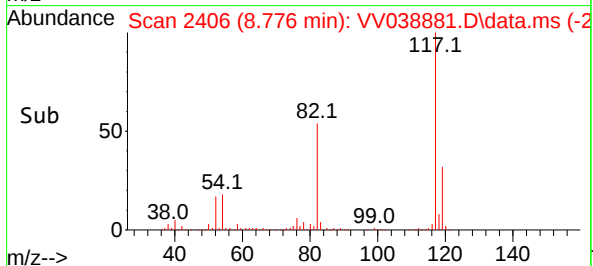
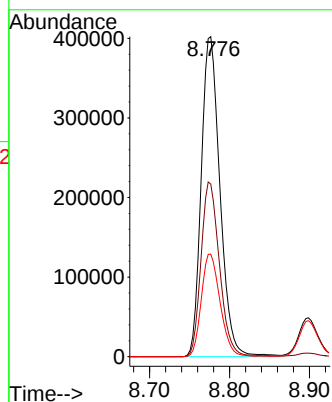
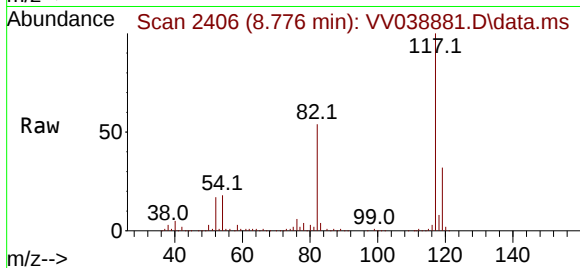
Tgt Ion:117 Resp: 657439

Ion Ratio Lower Upper

117 100

82 54.0 43.7 65.5

119 32.1 25.4 38.0



#64

Tetrachloroethene

Concen: 19.537 ug/l

RT: 7.899 min Scan# 2133

Delta R.T. 0.003 min

Lab File: VV038881.D

Acq: 11 Jul 2025 09:11

Tgt Ion:164 Resp: 84238

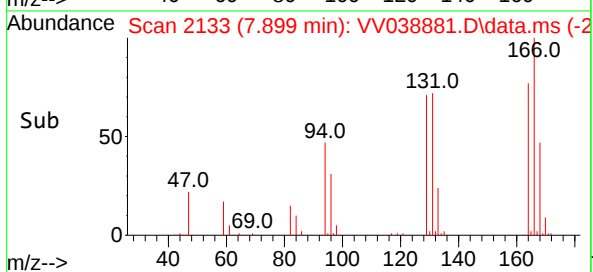
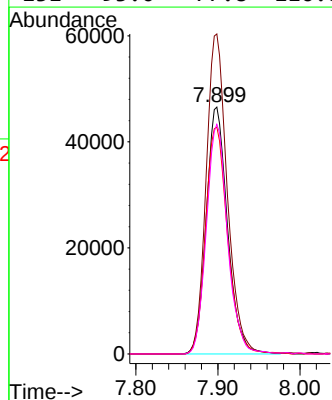
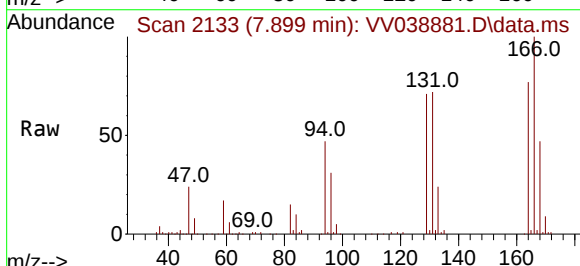
Ion Ratio Lower Upper

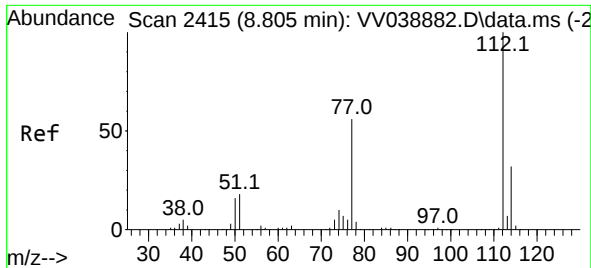
164 100

166 129.6 103.2 154.8

129 91.9 81.0 121.4

131 93.0 77.8 116.8

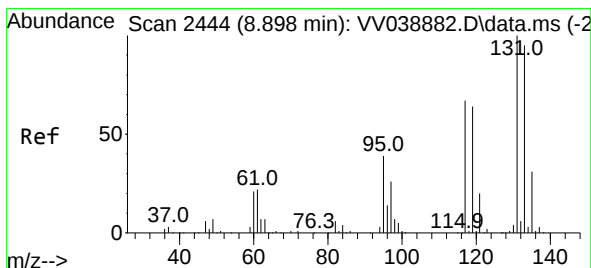
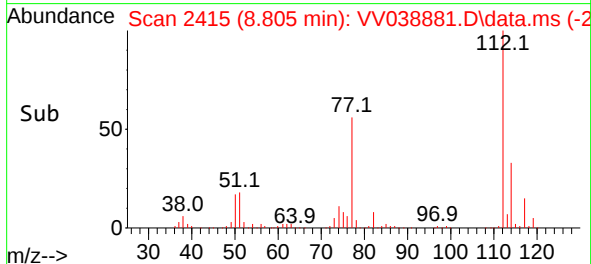
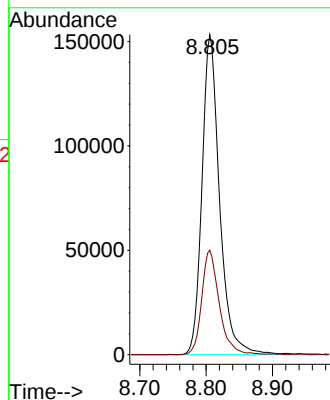
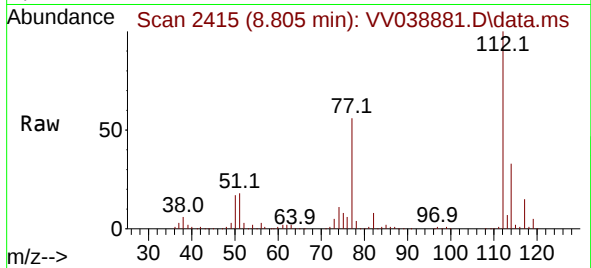




#65
Chlorobenzene
Concen: 19.677 ug/l
RT: 8.805 min Scan# 2415
Delta R.T. 0.000 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

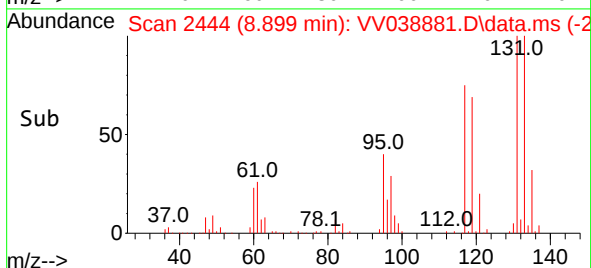
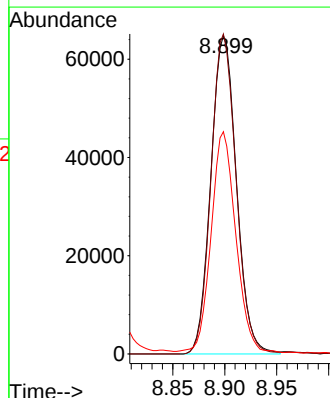
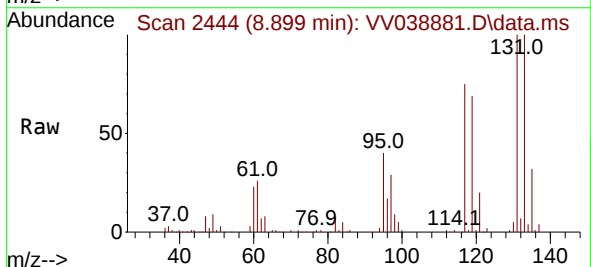
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC020

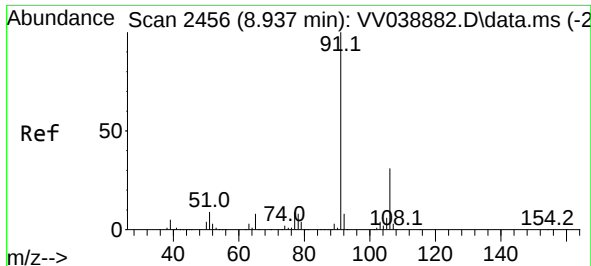
Tgt Ion:112 Resp: 282670
Ion Ratio Lower Upper
112 100
114 32.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.398 ug/l
RT: 8.899 min Scan# 2444
Delta R.T. 0.000 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

Tgt Ion:131 Resp: 111130
Ion Ratio Lower Upper
131 100
133 98.3 47.6 142.9
119 66.6 32.0 96.2





#67

Ethyl Benzene

Concen: 20.256 ug/l

RT: 8.937 min Scan# 2456

Delta R.T. 0.000 min

Lab File: VV038881.D

Acq: 11 Jul 2025 09:11

Instrument :

MSVOA_V

ClientSampleId :

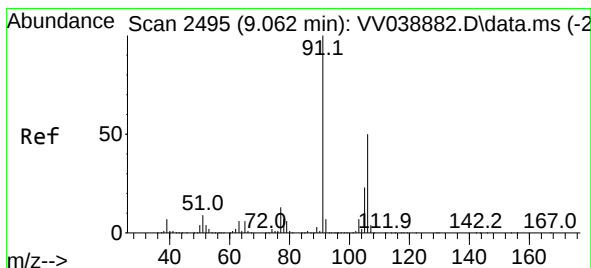
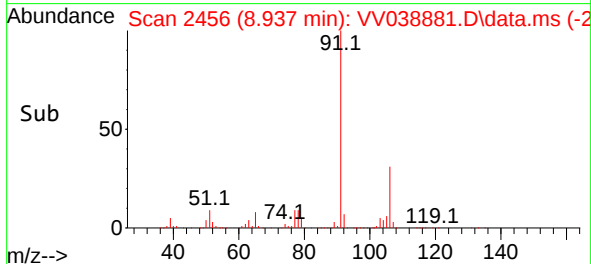
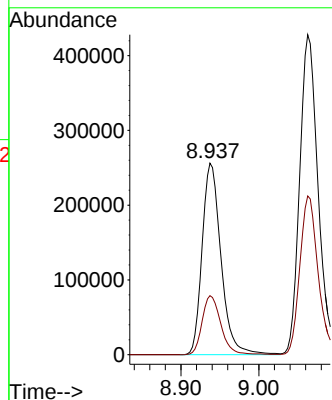
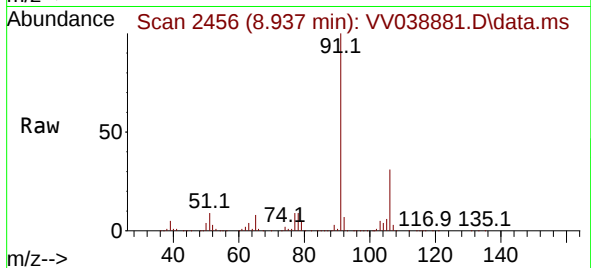
VSTDICC020

Tgt Ion: 91 Resp: 432078

Ion Ratio Lower Upper

91 100

106 30.9 24.8 37.2



#68

m/p-Xylenes

Concen: 42.027 ug/l

RT: 9.063 min Scan# 2495

Delta R.T. 0.000 min

Lab File: VV038881.D

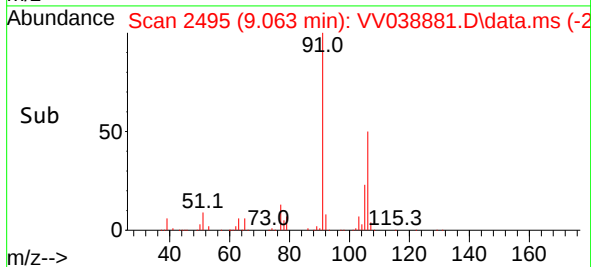
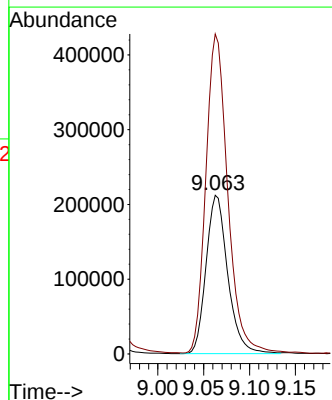
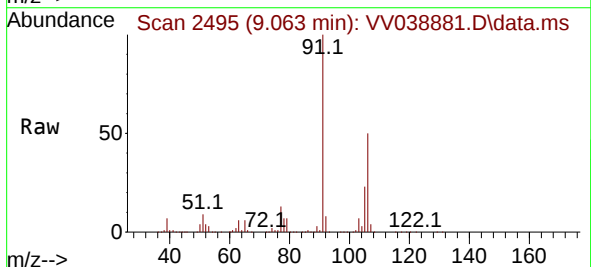
Acq: 11 Jul 2025 09:11

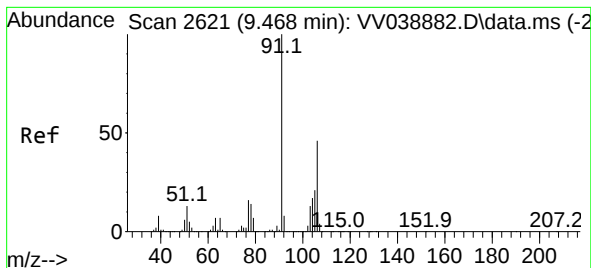
Tgt Ion:106 Resp: 349022

Ion Ratio Lower Upper

106 100

91 202.1 161.0 241.6





#69

o-Xylene

Concen: 19.696 ug/l

RT: 9.468 min Scan# 2

Delta R.T. 0.000 min

Lab File: VV038881.D

Acq: 11 Jul 2025 09:11

Instrument :

MSVOA_V

ClientSampleId :

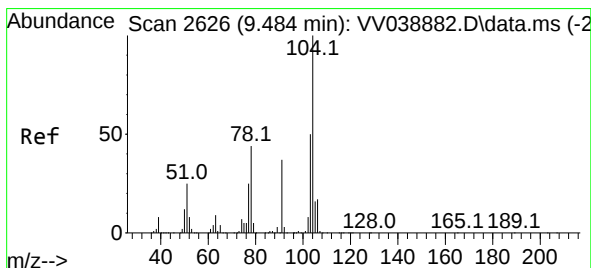
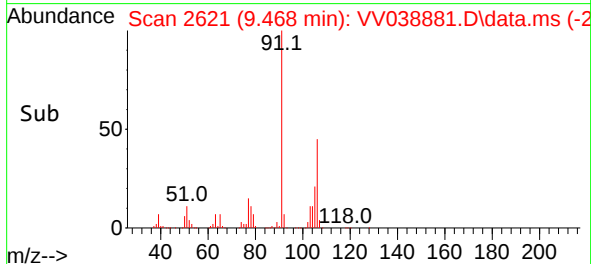
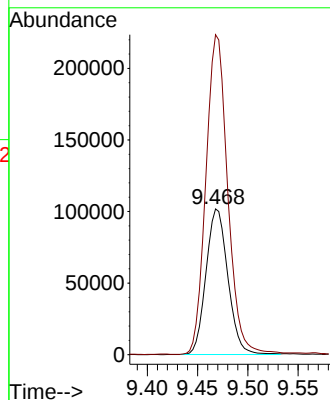
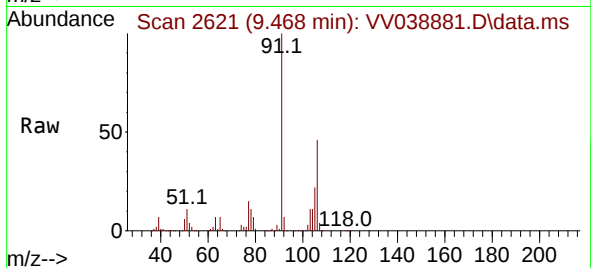
VSTDICC020

Tgt Ion:106 Resp: 154386

Ion Ratio Lower Upper

106 100

91 218.7 108.9 326.6



#70

Styrene

Concen: 21.030 ug/l

RT: 9.487 min Scan# 2627

Delta R.T. 0.003 min

Lab File: VV038881.D

Acq: 11 Jul 2025 09:11

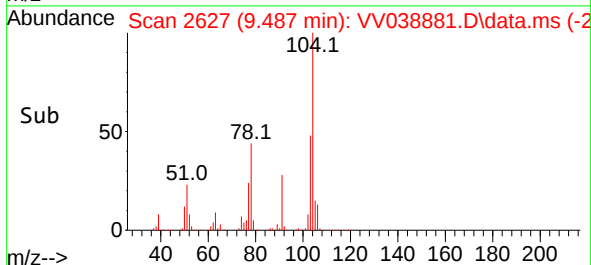
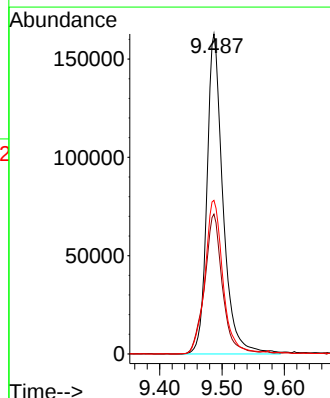
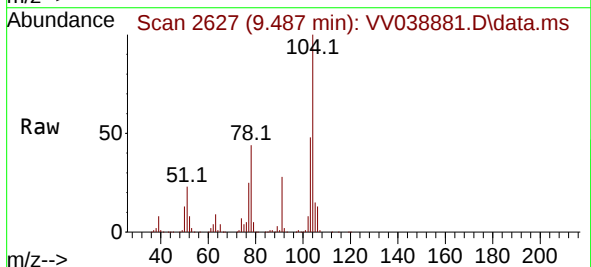
Tgt Ion:104 Resp: 291336

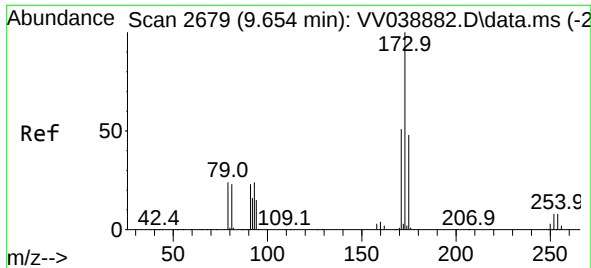
Ion Ratio Lower Upper

104 100

78 48.6 39.9 59.9

103 54.2 43.4 65.2

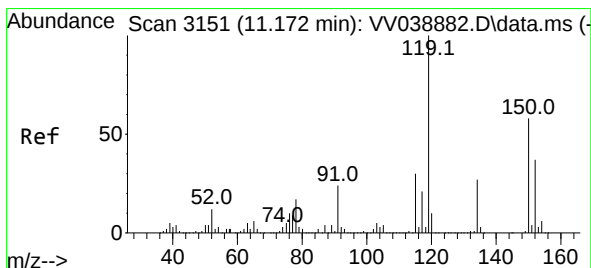
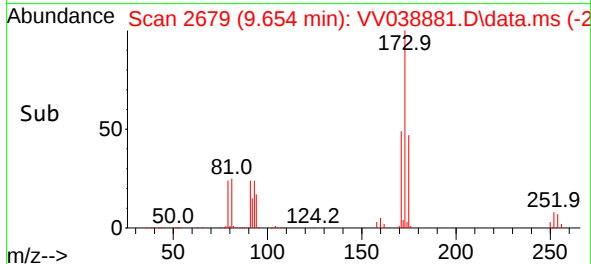
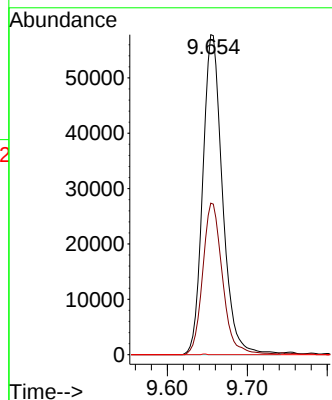
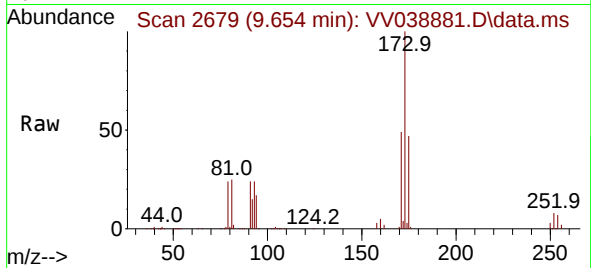




#71
Bromoform
Concen: 21.333 ug/l
RT: 9.654 min Scan# 2679
Delta R.T. 0.000 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

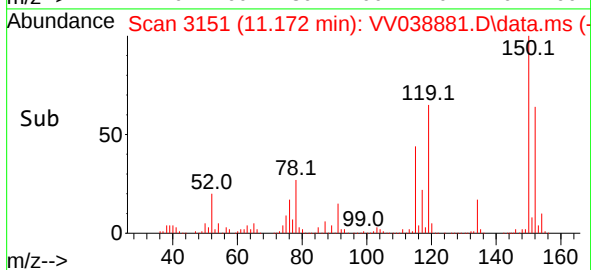
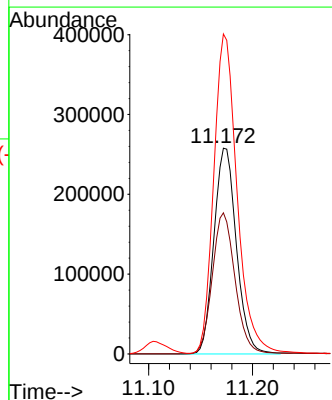
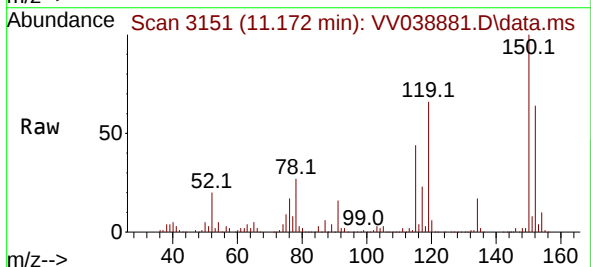
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

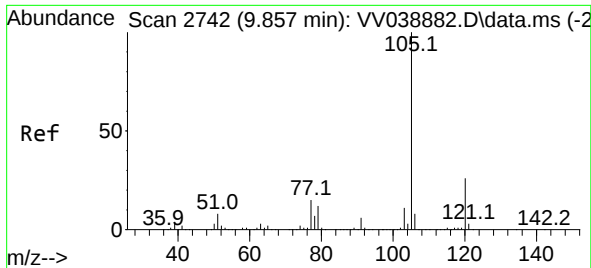
Tgt Ion:173 Resp: 99340
Ion Ratio Lower Upper
173 100
175 47.5 23.5 70.6
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

Tgt Ion:152 Resp: 388951
Ion Ratio Lower Upper
152 100
115 69.0 41.8 125.4
150 160.8 0.0 342.4

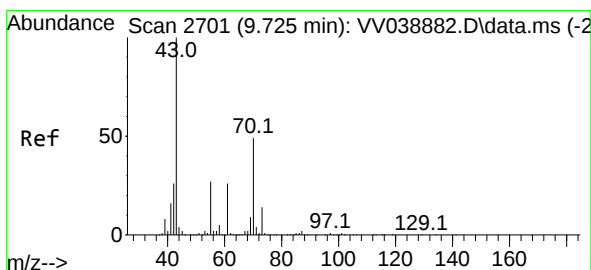
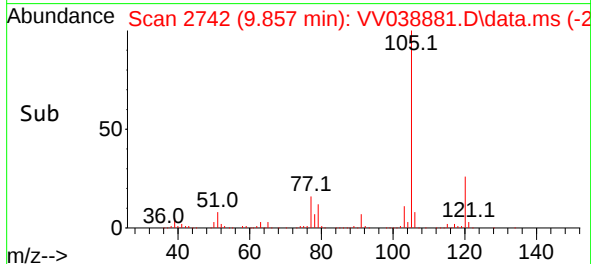
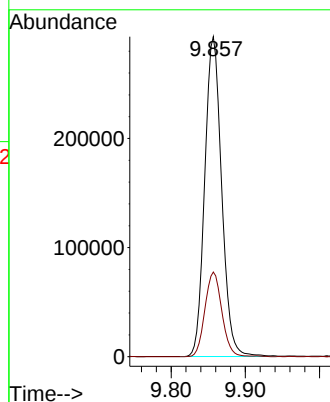
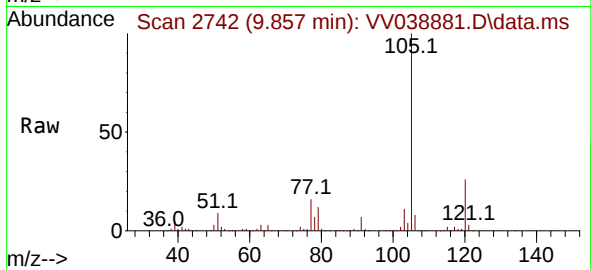




#73
Isopropylbenzene
Concen: 19.946 ug/l
RT: 9.857 min Scan# 2742
Delta R.T. 0.000 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

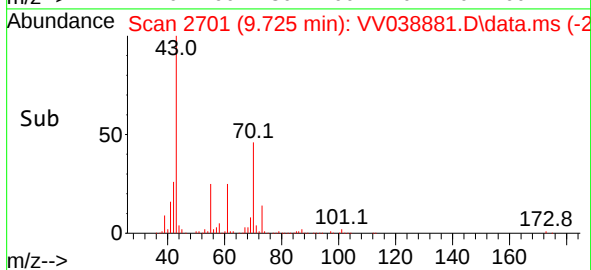
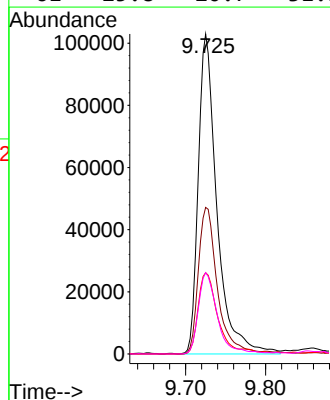
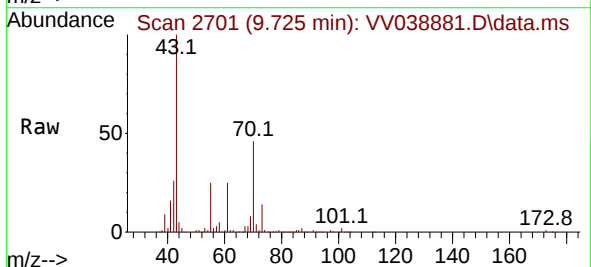
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

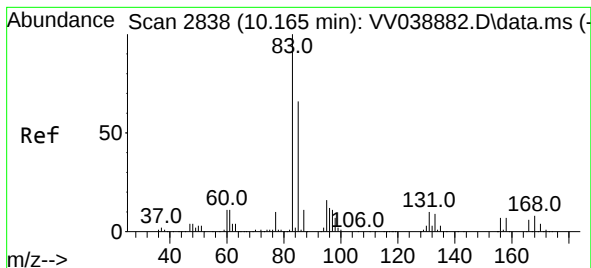
Tgt Ion:105 Resp: 463560
Ion Ratio Lower Upper
105 100
120 26.4 12.9 38.7



#74
N-ethyl acetate
Concen: 19.670 ug/l
RT: 9.725 min Scan# 2701
Delta R.T. 0.000 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

Tgt Ion: 43 Resp: 167457
Ion Ratio Lower Upper
43 100
70 46.5 38.6 58.0
55 26.9 21.8 32.8
61 25.8 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.432 ug/l

RT: 10.165 min Scan# 2838

Delta R.T. 0.000 min

Lab File: VV038881.D

Acq: 11 Jul 2025 09:11

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

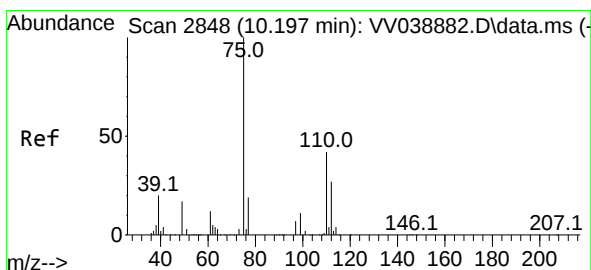
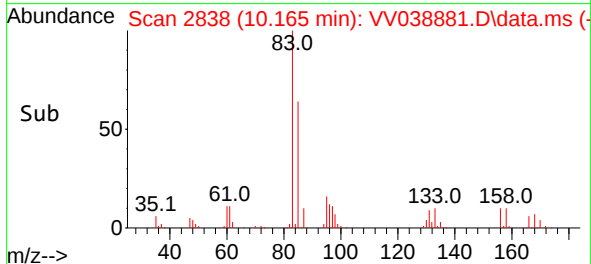
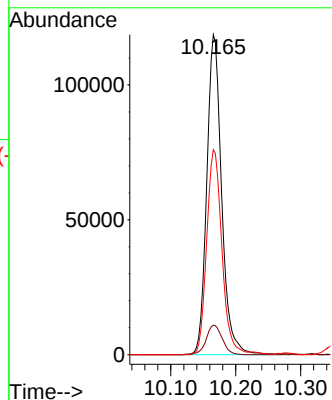
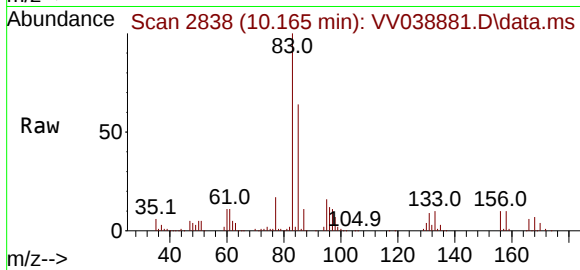
Tgt Ion: 83 Resp: 189160

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.4

85 65.4 32.6 97.7



#76

1,2,3-Trichloropropane

Concen: 20.245 ug/l

RT: 10.198 min Scan# 2848

Delta R.T. 0.000 min

Lab File: VV038881.D

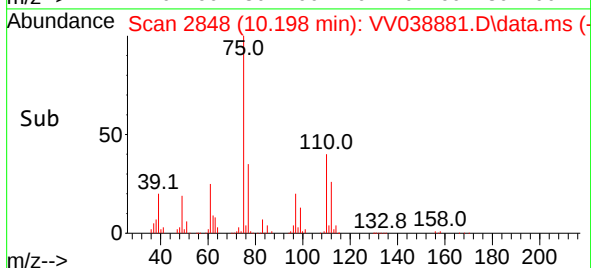
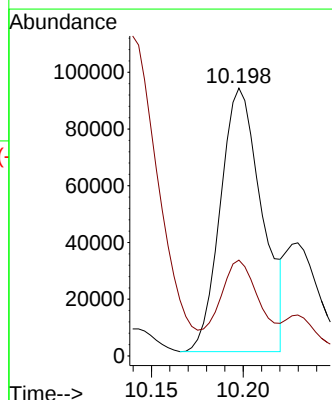
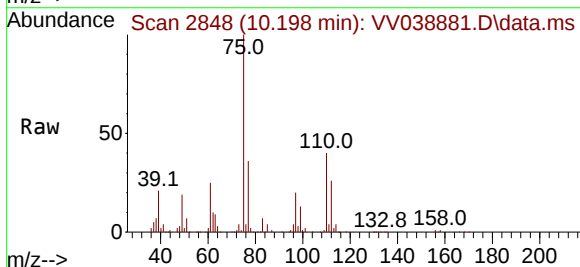
Acq: 11 Jul 2025 09:11

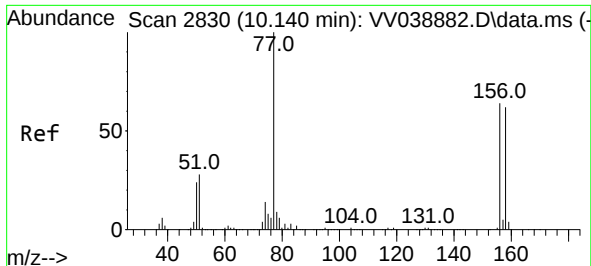
Tgt Ion: 75 Resp: 146404

Ion Ratio Lower Upper

75 100

77 22.6 17.4 52.3

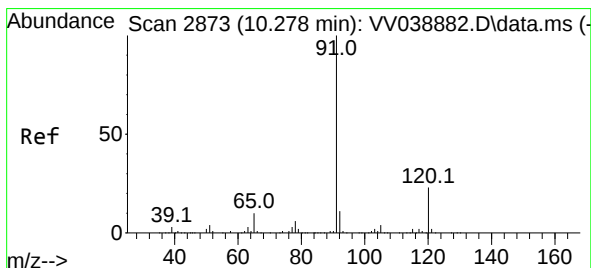
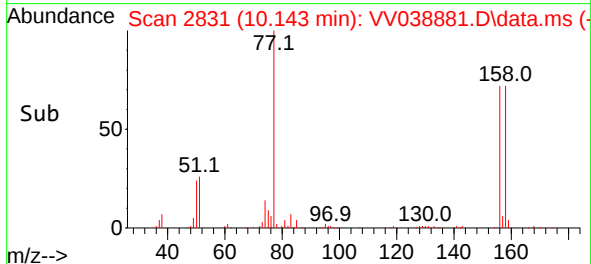
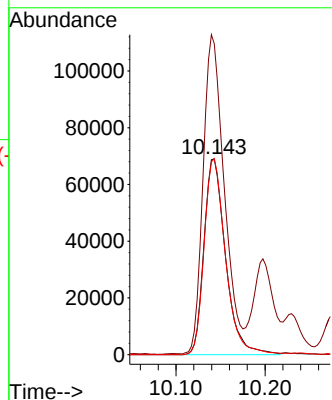
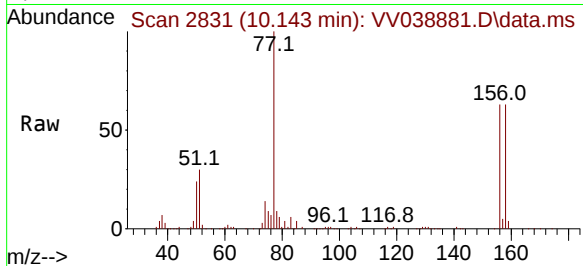




#77
Bromobenzene
Concen: 19.108 ug/l
RT: 10.143 min Scan# 2831
Delta R.T. 0.003 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

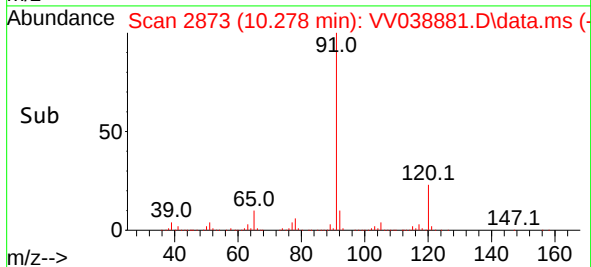
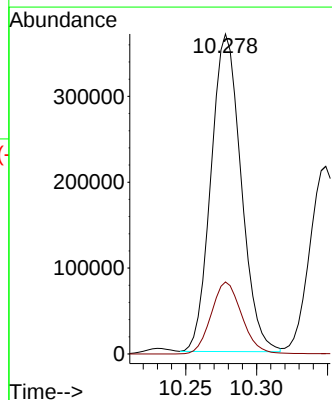
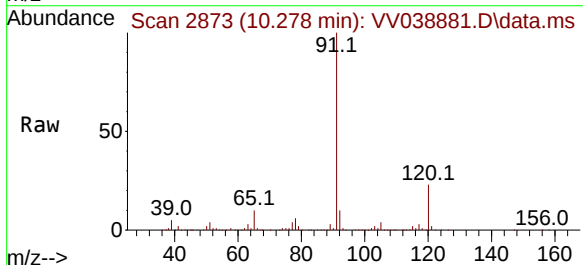
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

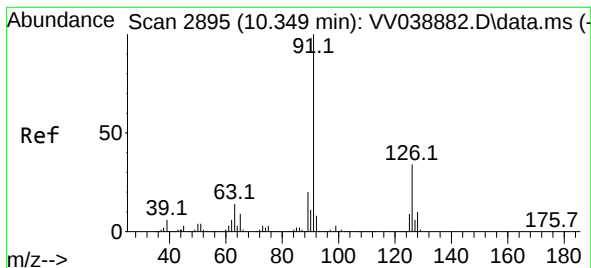
Tgt Ion:156 Resp: 116488
Ion Ratio Lower Upper
156 100
77 158.1 77.2 231.6
158 99.1 48.4 145.3



#78
n-propylbenzene
Concen: 20.126 ug/l
RT: 10.278 min Scan# 2873
Delta R.T. 0.000 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

Tgt Ion: 91 Resp: 546662
Ion Ratio Lower Upper
91 100
120 23.0 11.6 34.8





#79

2-Chlorotoluene

Concen: 20.028 ug/l

RT: 10.349 min Scan# 2895

Delta R.T. 0.000 min

Lab File: VV038881.D

Acq: 11 Jul 2025 09:11

Instrument :

MSVOA_V

ClientSampleId :

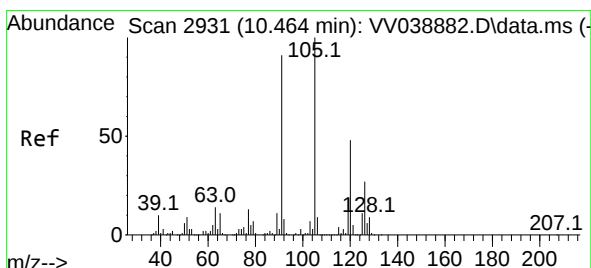
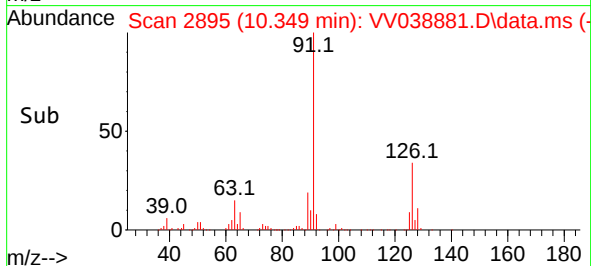
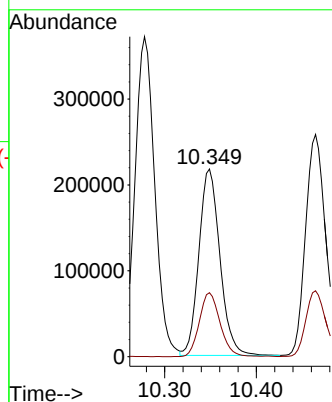
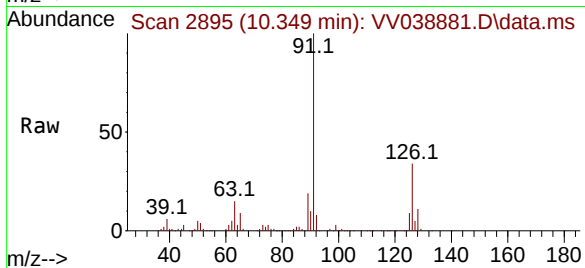
VSTDIC020

Tgt Ion: 91 Resp: 345959

Ion Ratio Lower Upper

91 100

126 33.9 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 20.526 ug/l

RT: 10.464 min Scan# 2931

Delta R.T. 0.000 min

Lab File: VV038881.D

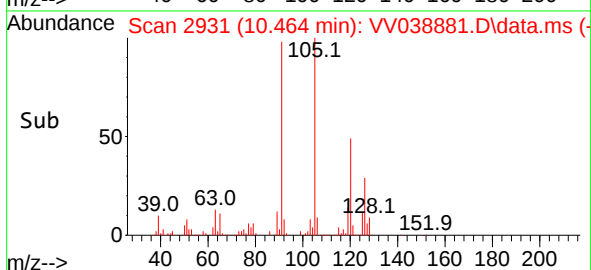
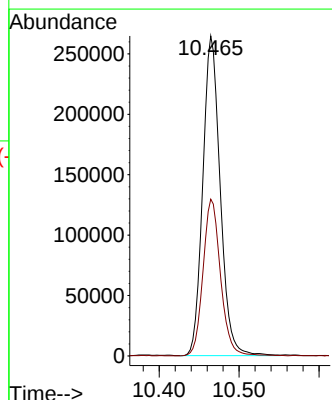
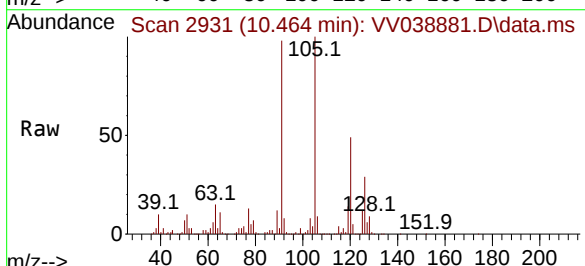
Acq: 11 Jul 2025 09:11

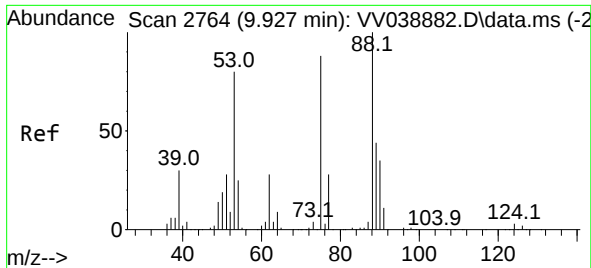
Tgt Ion: 105 Resp: 402271

Ion Ratio Lower Upper

105 100

120 49.2 24.0 72.0

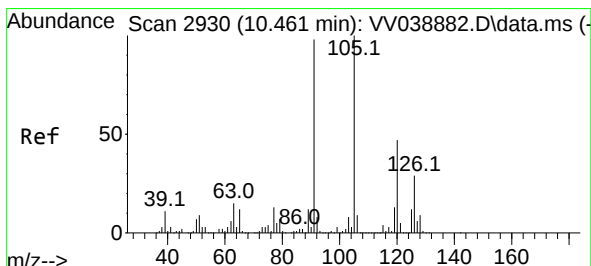
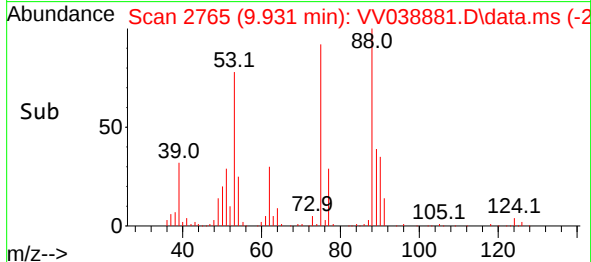
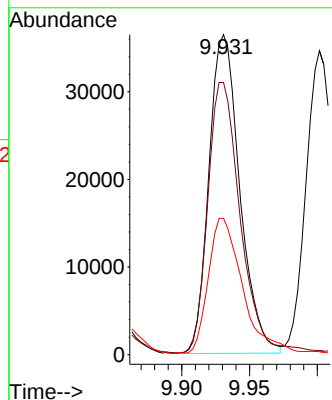
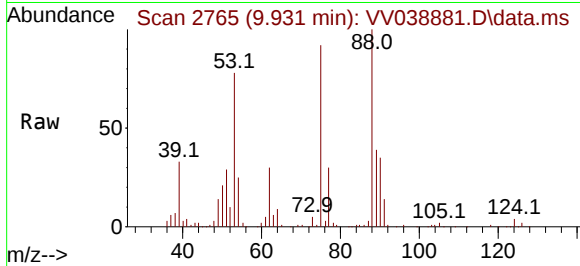




#81
 trans-1,4-Dichloro-2-butene
 Concen: 19.456 ug/l
 RT: 9.931 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV038881.D
 Acq: 11 Jul 2025 09:11

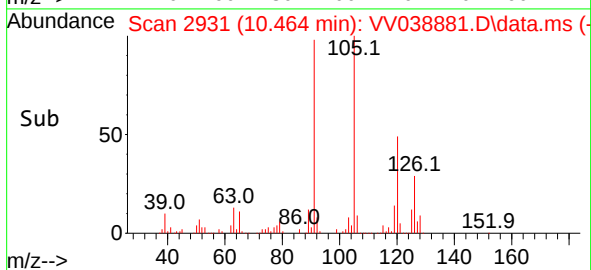
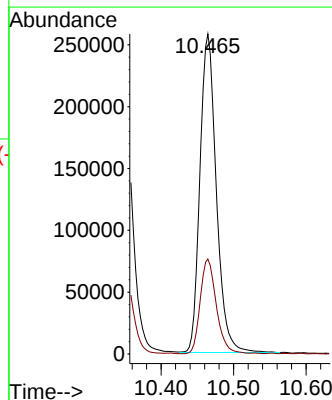
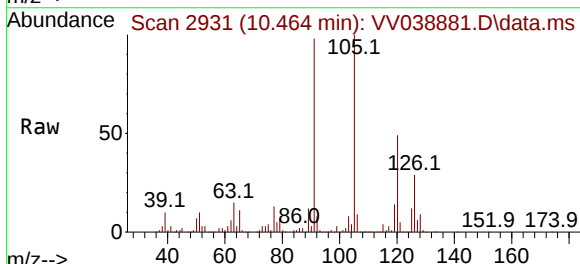
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

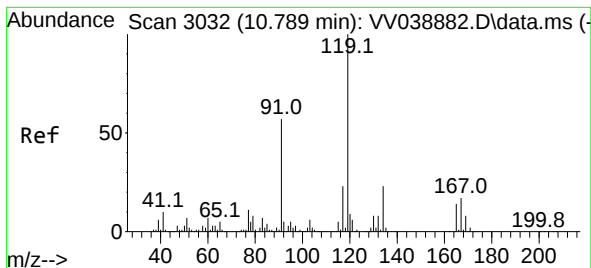
Tgt Ion: 75 Resp: 57657
 Ion Ratio Lower Upper
 75 100
 53 89.8 71.3 106.9
 89 46.7 42.2 63.2



#82
 4-Chlorotoluene
 Concen: 20.909 ug/l
 RT: 10.464 min Scan# 2931
 Delta R.T. 0.003 min
 Lab File: VV038881.D
 Acq: 11 Jul 2025 09:11

Tgt Ion: 91 Resp: 403736
 Ion Ratio Lower Upper
 91 100
 126 29.2 14.9 44.9





#83

tert-Butylbenzene

Concen: 19.486 ug/l

RT: 10.789 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VV038881.D

Acq: 11 Jul 2025 09:11

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

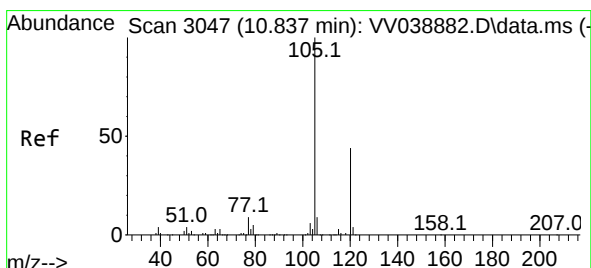
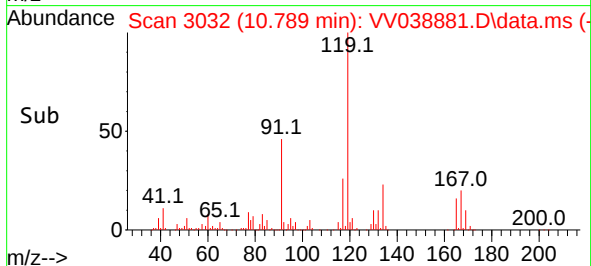
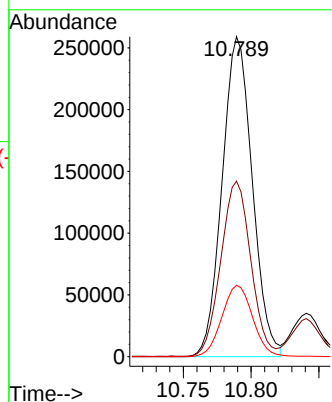
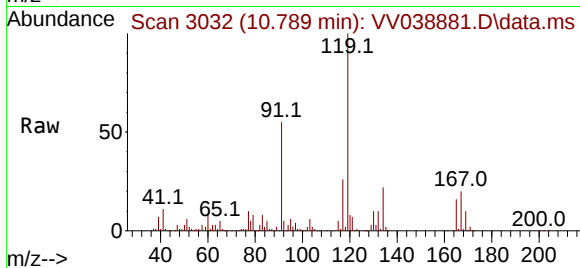
Tgt Ion:119 Resp: 400398

Ion Ratio Lower Upper

119 100

91 54.3 28.1 84.2

134 22.9 11.4 34.1



#84

1,2,4-Trimethylbenzene

Concen: 20.356 ug/l

RT: 10.841 min Scan# 3048

Delta R.T. 0.003 min

Lab File: VV038881.D

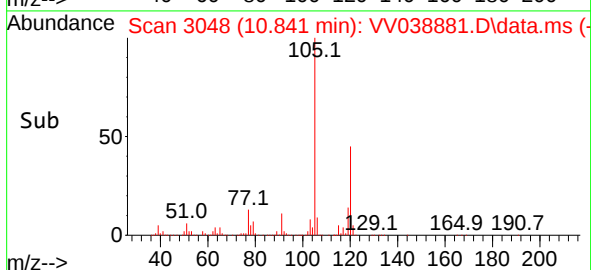
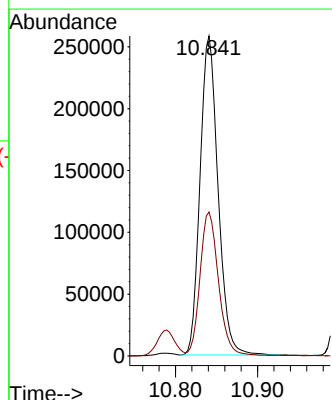
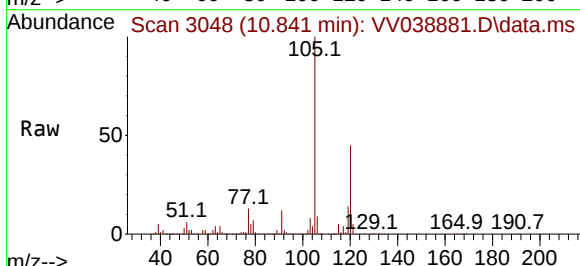
Acq: 11 Jul 2025 09:11

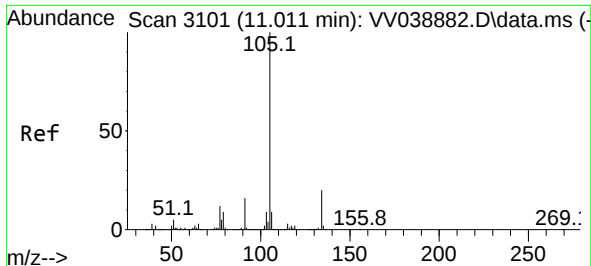
Tgt Ion:105 Resp: 392552

Ion Ratio Lower Upper

105 100

120 46.3 22.6 67.8

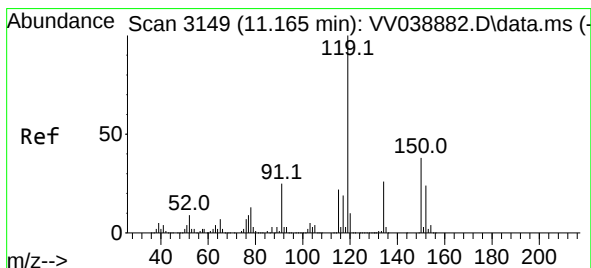
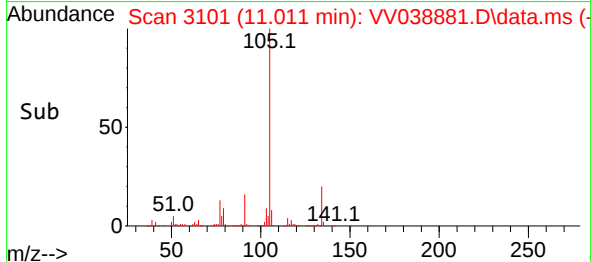
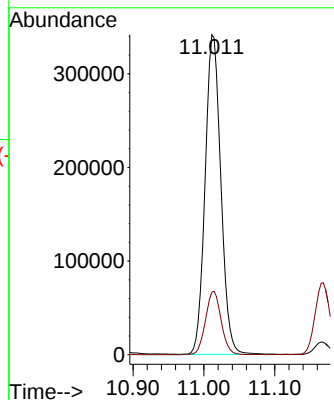
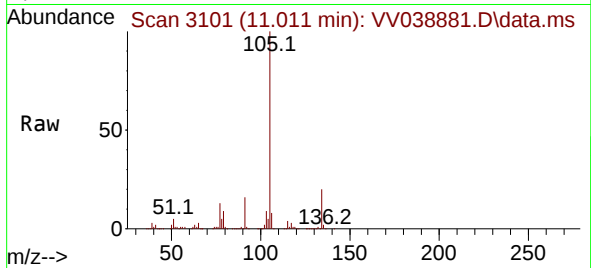




#85
 sec-Butylbenzene
 Concen: 20.063 ug/l
 RT: 11.011 min Scan# 3101
 Delta R.T. 0.000 min
 Lab File: VV038881.D
 Acq: 11 Jul 2025 09:11

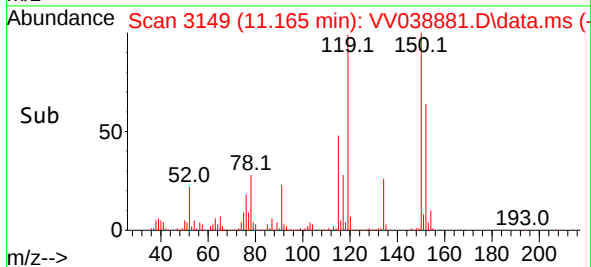
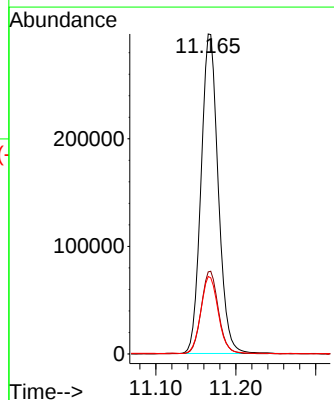
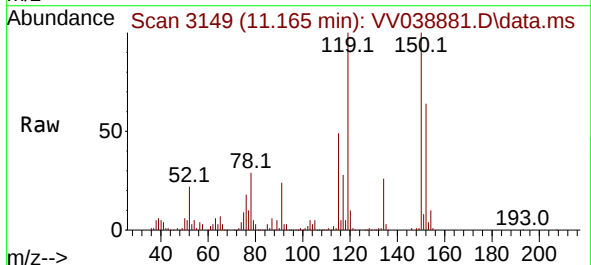
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

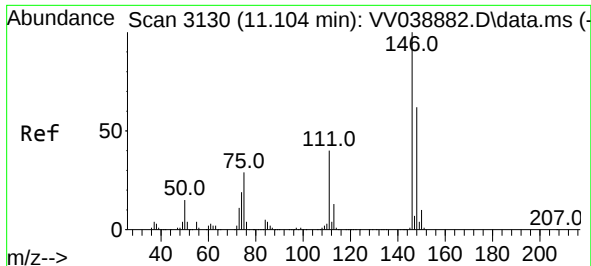
Tgt Ion:105 Resp: 526164
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 19.941 ug/l
 RT: 11.165 min Scan# 3149
 Delta R.T. 0.000 min
 Lab File: VV038881.D
 Acq: 11 Jul 2025 09:11

Tgt Ion:119 Resp: 443993
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.1 39.3
 91 24.5 12.3 36.8

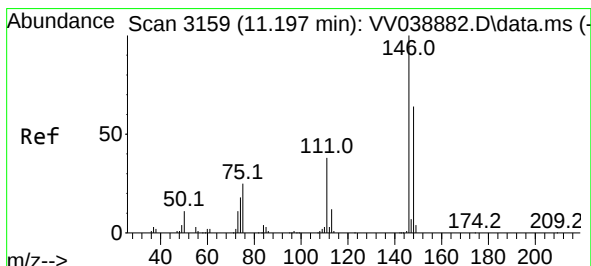
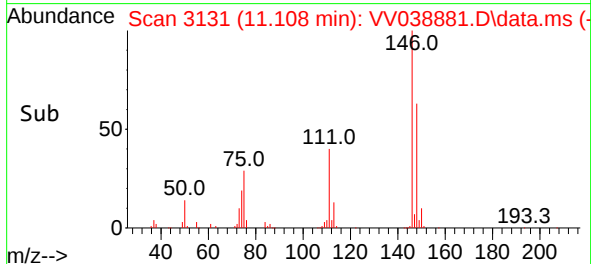
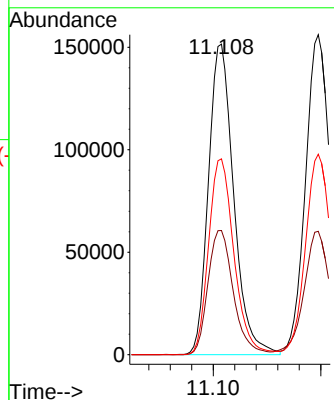
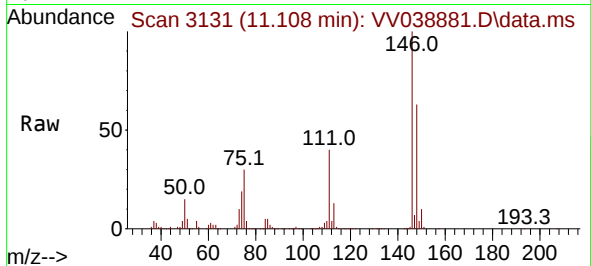




#87
1,3-Dichlorobenzene
Concen: 19.842 ug/l
RT: 11.108 min Scan# 3131
Delta R.T. 0.003 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

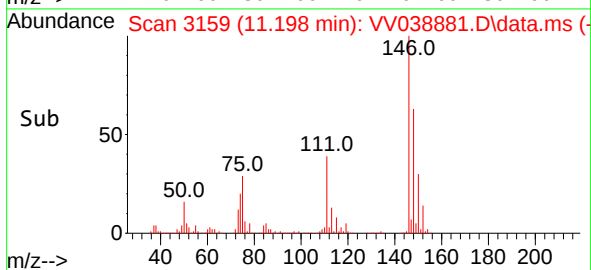
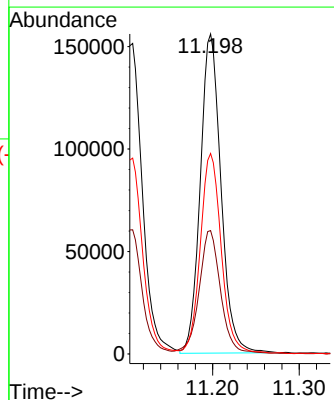
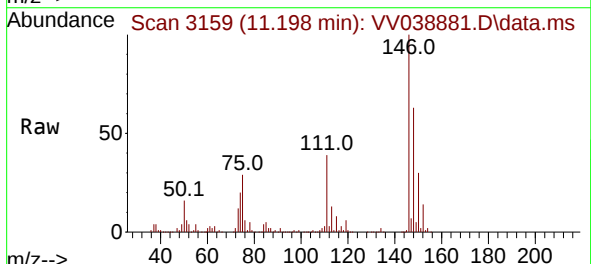
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

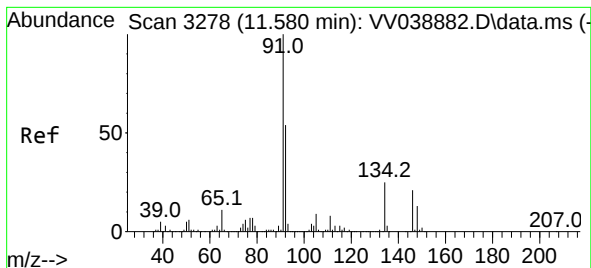
Tgt Ion:146 Resp: 246905
Ion Ratio Lower Upper
146 100
111 40.3 20.2 60.5
148 63.5 31.4 94.3



#88
1,4-Dichlorobenzene
Concen: 19.132 ug/l
RT: 11.198 min Scan# 3159
Delta R.T. 0.000 min
Lab File: VV038881.D
Acq: 11 Jul 2025 09:11

Tgt Ion:146 Resp: 258973
Ion Ratio Lower Upper
146 100
111 40.1 19.8 59.3
148 63.2 32.1 96.5





#89

n-Butylbenzene

Concen: 19.617 ug/l

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV038881.D

Acq: 11 Jul 2025 09:11

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

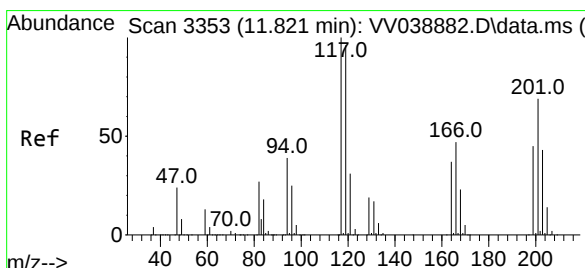
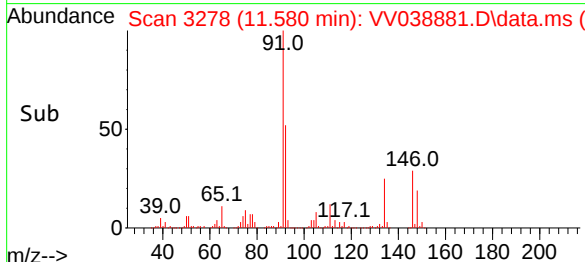
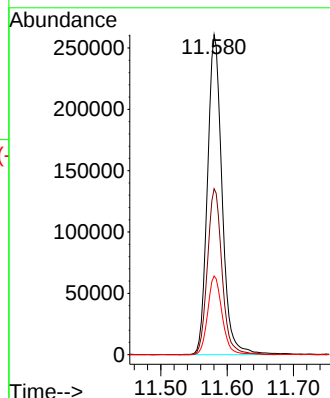
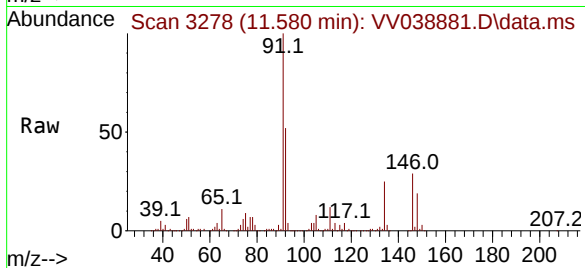
Tgt Ion: 91 Resp: 398744

Ion Ratio Lower Upper

91 100

92 51.8 26.7 80.1

134 24.4 12.7 38.1



#90

Hexachloroethane

Concen: 18.822 ug/l

RT: 11.821 min Scan# 3353

Delta R.T. 0.000 min

Lab File: VV038881.D

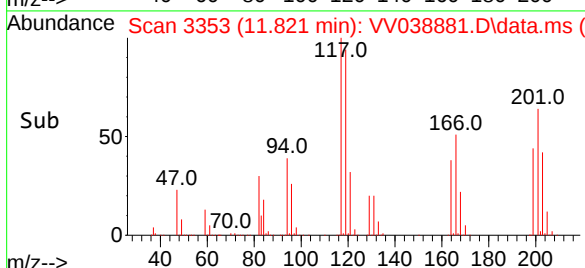
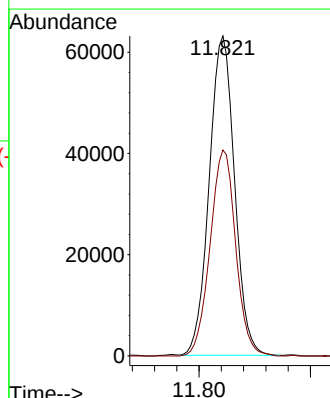
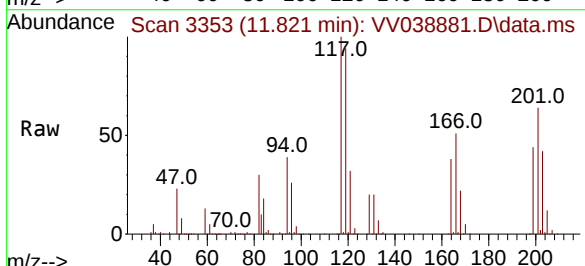
Acq: 11 Jul 2025 09:11

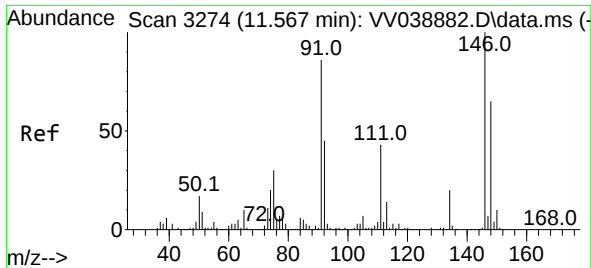
Tgt Ion: 117 Resp: 99679

Ion Ratio Lower Upper

117 100

201 65.1 34.0 102.0

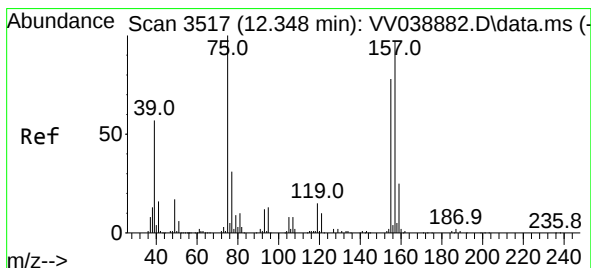
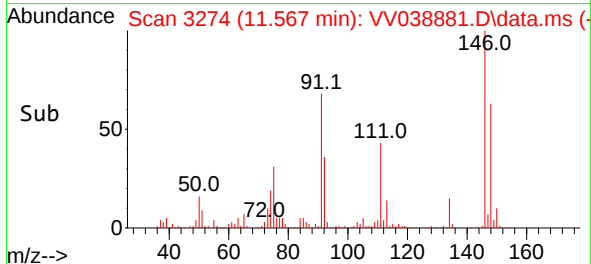
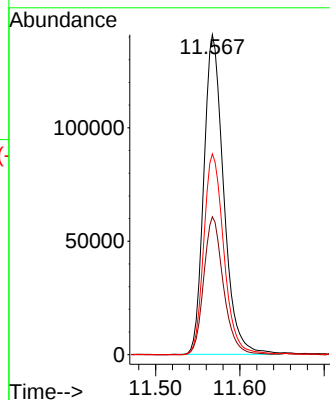
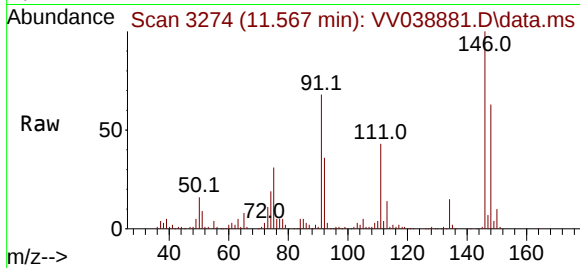




#91
 1,2-Dichlorobenzene
 Concen: 19.192 ug/l
 RT: 11.567 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV038881.D
 Acq: 11 Jul 2025 09:11

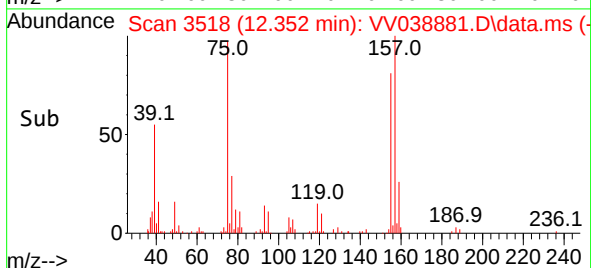
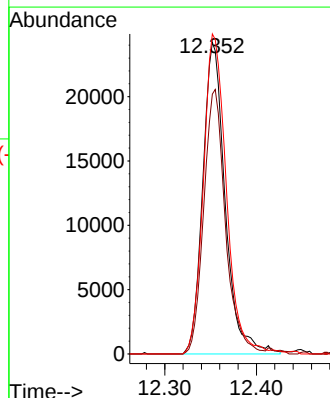
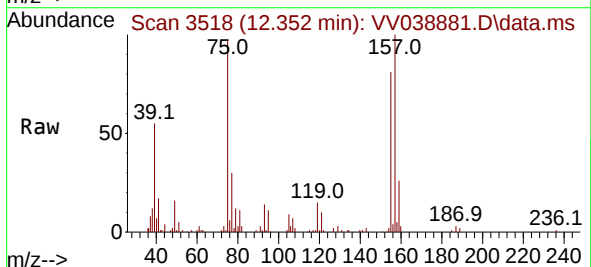
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

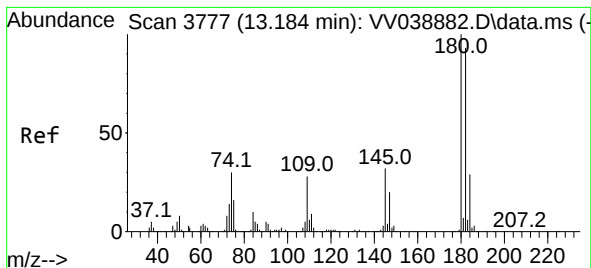
Tgt Ion:146 Resp: 231832
 Ion Ratio Lower Upper
 146 100
 111 42.6 21.4 64.3
 148 63.6 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.652 ug/l
 RT: 12.352 min Scan# 3518
 Delta R.T. 0.003 min
 Lab File: VV038881.D
 Acq: 11 Jul 2025 09:11

Tgt Ion: 75 Resp: 41050
 Ion Ratio Lower Upper
 75 100
 155 82.7 40.2 120.6
 157 105.8 51.1 153.3





#93

1,2,4-Trichlorobenzene

Concen: 19.229 ug/l

RT: 13.185 min Scan# 3777

Delta R.T. 0.000 min

Lab File: VV038881.D

Acq: 11 Jul 2025 09:11

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

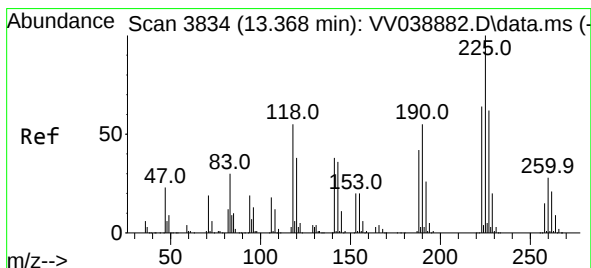
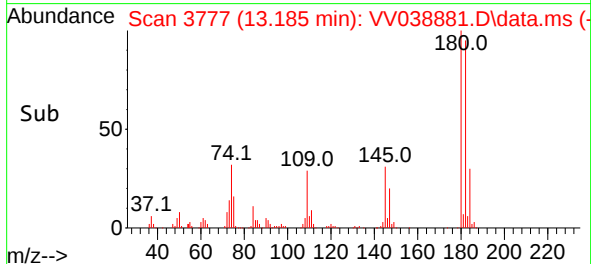
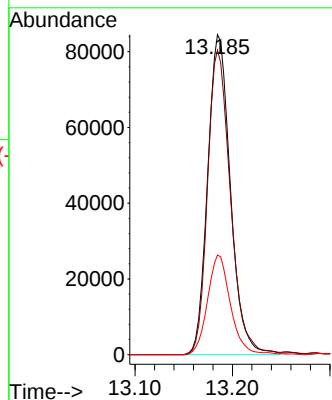
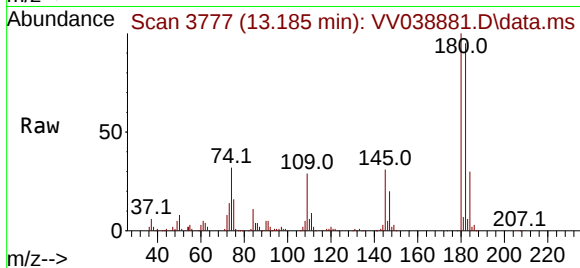
Tgt Ion:180 Resp: 137109

Ion Ratio Lower Upper

180 100

182 95.2 47.4 142.3

145 31.5 16.2 48.6



#94

Hexachlorobutadiene

Concen: 19.008 ug/l

RT: 13.368 min Scan# 3834

Delta R.T. 0.000 min

Lab File: VV038881.D

Acq: 11 Jul 2025 09:11

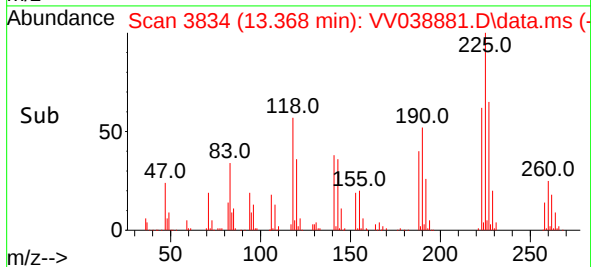
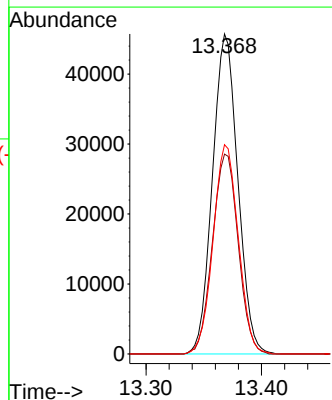
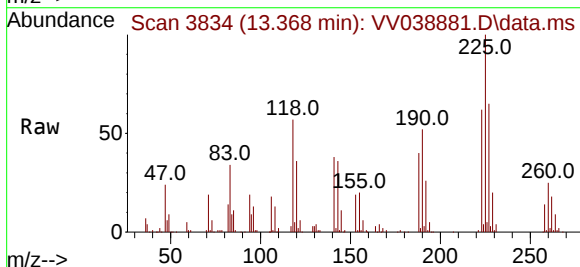
Tgt Ion:225 Resp: 69797

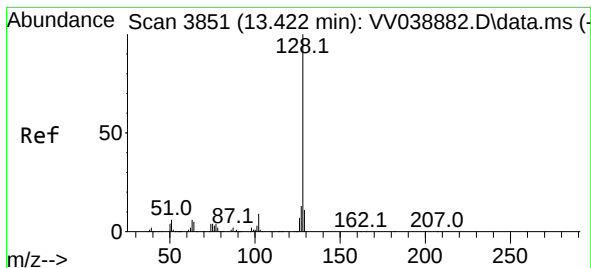
Ion Ratio Lower Upper

225 100

223 63.5 32.4 97.2

227 65.0 31.3 93.9





#95

Naphthalene

Concen: 18.838 ug/l

RT: 13.426 min Scan# 3851

Delta R.T. 0.003 min

Lab File: VV038881.D

Acq: 11 Jul 2025 09:11

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC020

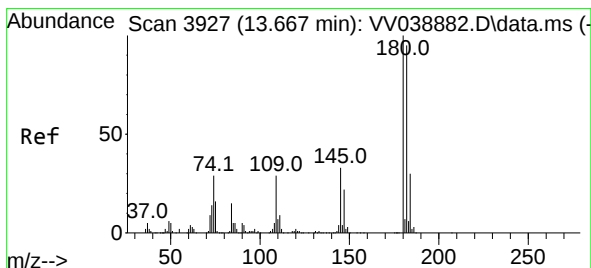
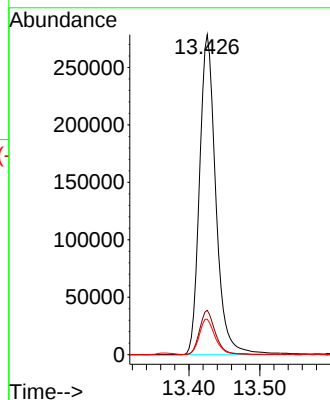
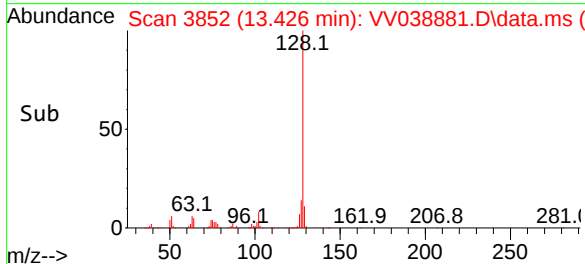
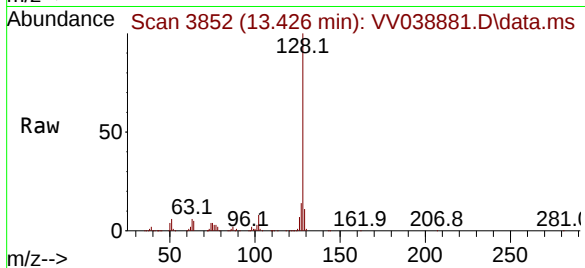
Tgt Ion:128 Resp: 444503

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

129 10.8 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 19.473 ug/l

RT: 13.667 min Scan# 3927

Delta R.T. 0.000 min

Lab File: VV038881.D

Acq: 11 Jul 2025 09:11

Tgt Ion:180 Resp: 143923

Ion Ratio Lower Upper

180 100

182 96.4 47.0 141.2

145 34.8 17.0 51.0

