

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV062725\
 Data File : VV038824.D
 Acq On : 27 Jun 2025 09:17
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICC005

Quant Time: Jun 28 04:16:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V062725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 28 04:16:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.593	168	411780	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	698367	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	665094	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	337705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.953	65	31579	5.957	ug/l	0.01
Spiked Amount 50.000			Recovery	=	11.920%	
35) Dibromofluoromethane	4.510	113	24128	5.325	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.660%	
50) Toluene-d8	7.239	98	84126	5.434	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.860%	
62) 4-Bromofluorobenzene	10.005	95	26054	4.572	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.140%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.117	85	20199	5.167	ug/l	96
3) Chloromethane	1.227	50	26277	5.189	ug/l	99
4) Vinyl Chloride	1.294	62	28035	5.188	ug/l	97
5) Bromomethane	1.490	94	25062	7.043	ug/l	100
6) Chloroethane	1.555	64	19339	5.531	ug/l	98
7) Trichlorofluoromethane	1.722	101	42360	5.268	ug/l	98
8) Diethyl Ether	1.915	74	15111	4.919	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.079	101	25734	5.314	ug/l	99
10) Methyl Iodide	2.195	142	14836	6.843	ug/l	95
11) Tert butyl alcohol	2.571	59	22460	24.847	ug/l	98
12) 1,1-Dichloroethene	2.079	96	24585	4.643	ug/l	98
13) Acrolein	2.008	56	7841	22.971	ug/l	98
14) Allyl chloride	2.359	41	41104	5.234	ug/l	95
15) Acrylonitrile	2.680	53	72190	23.453	ug/l	97
16) Acetone	2.121	43	61668	25.867	ug/l	99
17) Carbon Disulfide	2.249	76	68109	4.543	ug/l	95
18) Methyl Acetate	2.388	43	32476	4.252	ug/l	100
19) Methyl tert-butyl Ether	2.709	73	63491	4.326	ug/l	100
20) Methylene Chloride	2.452	84	28658	5.165	ug/l	93
21) trans-1,2-Dichloroethene	2.703	96	23874	4.946	ug/l	99
22) Diisopropyl ether	3.211	45	69365	4.364	ug/l #	37
23) Vinyl Acetate	3.195	43	270808	21.449	ug/l	99
24) 1,1-Dichloroethane	3.121	63	49922	5.237	ug/l	97
25) 2-Butanone	3.899	43	75403	21.146	ug/l	97
26) 2,2-Dichloropropane	3.809	77	40331	5.024	ug/l #	72
27) cis-1,2-Dichloroethene	3.831	96	25246	4.512	ug/l	99
28) Bromochloromethane	4.156	49	24531	5.514	ug/l	95
29) Tetrahydrofuran	4.240	42	51627	19.890	ug/l	94
30) Chloroform	4.278	83	53050	5.416	ug/l	92
31) Cyclohexane	4.584	56	42055	5.675	ug/l #	78
32) 1,1,1-Trichloroethane	4.513	97	43094	5.118	ug/l	98
36) 1,1-Dichloropropene	4.748	75	28672	4.319	ug/l	88
37) Ethyl Acetate	3.998	43	26652	2.991	ug/l #	84
38) Carbon Tetrachloride	4.731	117	34048	4.819	ug/l	98
39) Methylcyclohexane	6.047	83	33736	4.529	ug/l	96
40) Benzene	5.011	78	99303	5.056	ug/l	96

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Quant Time: Jun 28 04:16:49 2025
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.188	41	6365	3.989	ug/l #	72
42) 1,2-Dichloroethane	5.050	62	35649	5.032	ug/l	98
43) Isopropyl Acetate	5.201	43	42425	3.917	ug/l	96
44) Trichloroethene	5.841	130	23540	4.994	ug/l	97
45) 1,2-Dichloropropane	6.095	63	24403	4.726	ug/l	95
46) Dibromomethane	6.236	93	19167	5.060	ug/l	97
47) Bromodichloromethane	6.429	83	38028	4.971	ug/l #	97
48) Methyl methacrylate	6.317	41	18469	3.598	ug/l #	89
49) 1,4-Dioxane	6.301	88	4874	58.981	ug/l #	77
51) 4-Methyl-2-Pentanone	7.149	43	181357	22.742	ug/l	93
52) Toluene	7.310	92	56584	4.726	ug/l	95
53) t-1,3-Dichloropropene	7.583	75	32951	4.518	ug/l	96
54) cis-1,3-Dichloropropene	6.956	75	36452	4.519	ug/l	98
55) 1,1,2-Trichloroethane	7.767	97	26089	5.050	ug/l	97
56) Ethyl methacrylate	7.722	69	26180	3.720	ug/l	96
57) 1,3-Dichloropropane	7.940	76	42217	4.966	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.815	63	60969	20.713	ug/l	99
59) 2-Hexanone	8.069	43	111062	19.771	ug/l	96
60) Dibromochloromethane	8.169	129	29243	4.882	ug/l	92
61) 1,2-Dibromoethane	8.281	107	27086	5.080	ug/l	97
64) Tetrachloroethene	7.899	164	26030	5.608	ug/l	92
65) Chlorobenzene	8.805	112	71168	4.893	ug/l	96
66) 1,1,1,2-Tetrachloroethane	8.899	131	24964	4.854	ug/l	95
67) Ethyl Benzene	8.940	91	96296	4.207	ug/l	100
68) m/p-Xylenes	9.066	106	70607	8.190	ug/l	96
69) o-Xylene	9.471	106	32835	4.072	ug/l	95
70) Styrene	9.493	104	51564	3.786	ug/l	98
71) Bromoform	9.657	173	18483	4.461	ug/l #	98
73) Isopropylbenzene	9.857	105	84484	4.103	ug/l	99
74) N-amyl acetate	9.734	43	33377	3.718	ug/l	94
75) 1,1,2,2-Tetrachloroethane	10.169	83	41386	4.827	ug/l	99
76) 1,2,3-Trichloropropane	10.201	75	29266	4.508	ug/l	79
77) Bromobenzene	10.146	156	24236	4.669	ug/l	95
78) n-propylbenzene	10.278	91	101976	4.095	ug/l	98
79) 2-Chlorotoluene	10.349	91	61152	4.128	ug/l	98
80) 1,3,5-Trimethylbenzene	10.464	105	66343	3.878	ug/l	98
81) trans-1,4-Dichloro-2-b...	9.937	75	10710	3.821	ug/l #	78
82) 4-Chlorotoluene	10.468	91	71079	4.161	ug/l	100
83) tert-Butylbenzene	10.789	119	69667	4.083	ug/l	99
84) 1,2,4-Trimethylbenzene	10.841	105	63813	3.846	ug/l	99
85) sec-Butylbenzene	11.014	105	91377	4.061	ug/l	99
86) p-Isopropyltoluene	11.169	119	79411	4.130	ug/l	98
87) 1,3-Dichlorobenzene	11.111	146	50067	4.738	ug/l	97
88) 1,4-Dichlorobenzene	11.197	146	54629	4.773	ug/l	93
89) n-Butylbenzene	11.583	91	72317	3.884	ug/l	98
90) Hexachloroethane	11.821	117	20061	4.739	ug/l	96
91) 1,2-Dichlorobenzene	11.570	146	45869	4.478	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.355	75	8360	4.600	ug/l	94
93) 1,2,4-Trichlorobenzene	13.191	180	23130	3.827	ug/l	100
94) Hexachlorobutadiene	13.368	225	13611	4.631	ug/l	94
95) Naphthalene	13.429	128	68671	6.175	ug/l	99
96) 1,2,3-Trichlorobenzene	13.670	180	22904	3.689	ug/l	97

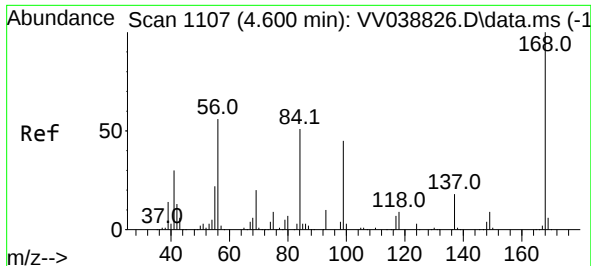
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV062725\
Data File : VV038824.D
Acq On : 27 Jun 2025 09:17
Operator : SY/MD
Sample : VSTDICC005
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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

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Quant Title : SW846 8260
QLast Update : Sat Jun 28 04:16:28 2025
Response via : Initial Calibration

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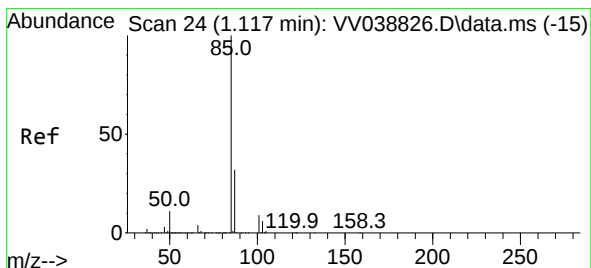
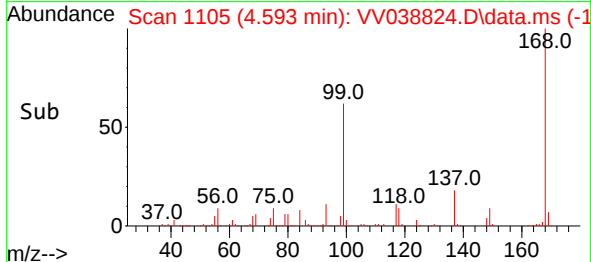
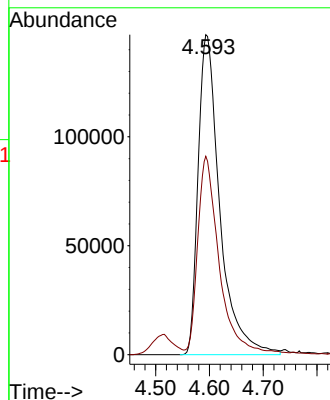
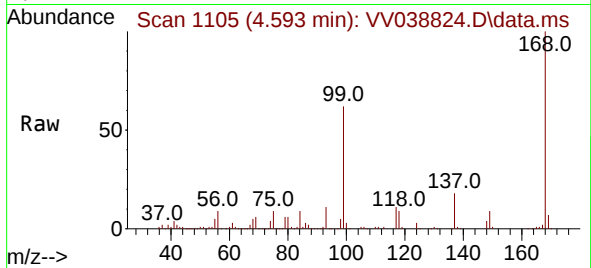
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.593 min Scan# 11
Delta R.T. -0.007 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

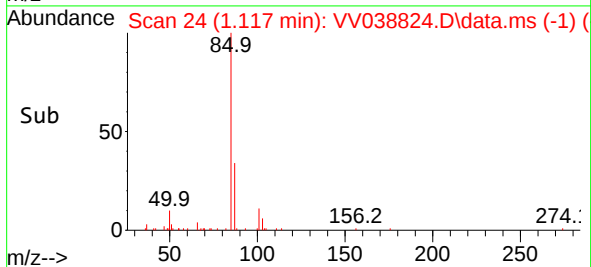
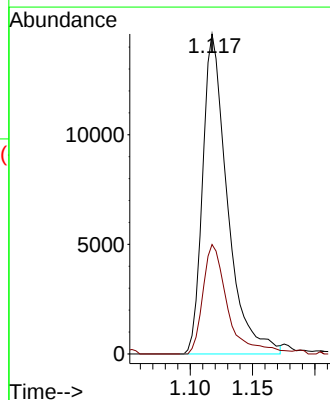
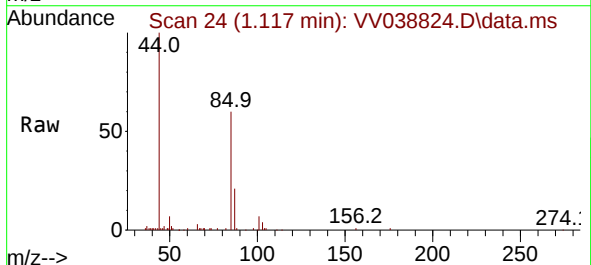
Instrument :
MSVOA_V
ClientSampleId :
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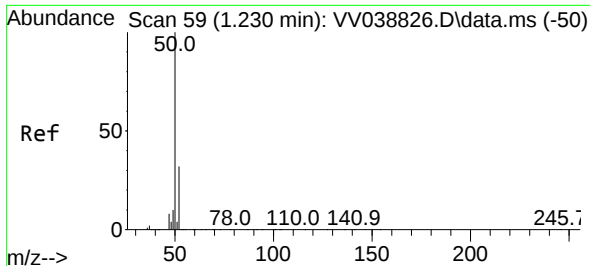
Tgt Ion:168 Resp: 411780
Ion Ratio Lower Upper
168 100
99 61.1 49.0 73.6



#2
Dichlorodifluoromethane
Concen: 5.167 ug/l
RT: 1.117 min Scan# 24
Delta R.T. -0.000 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

Tgt Ion: 85 Resp: 20199
Ion Ratio Lower Upper
85 100
87 34.2 16.1 48.3

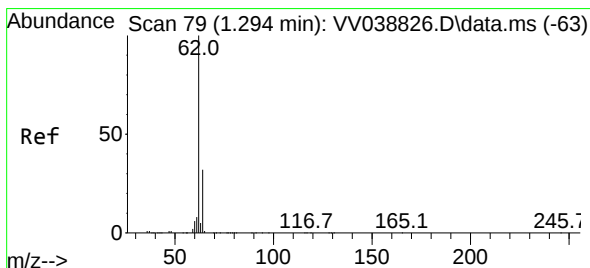
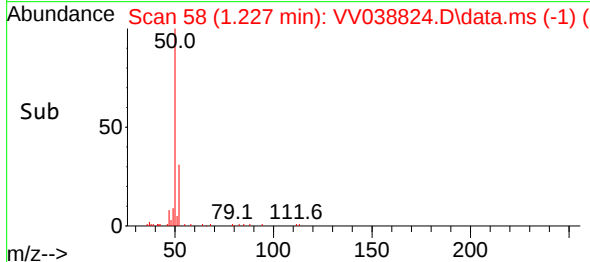
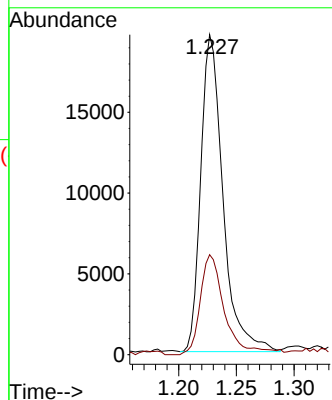
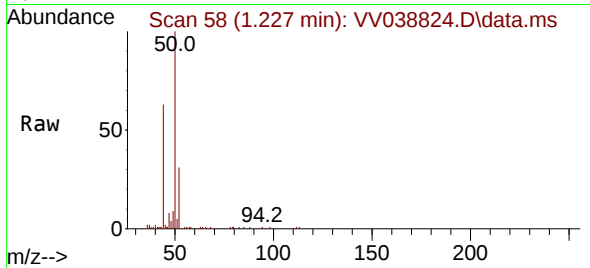




#3
Chloromethane
Concen: 5.189 ug/l
RT: 1.227 min Scan# 58
Delta R.T. -0.003 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

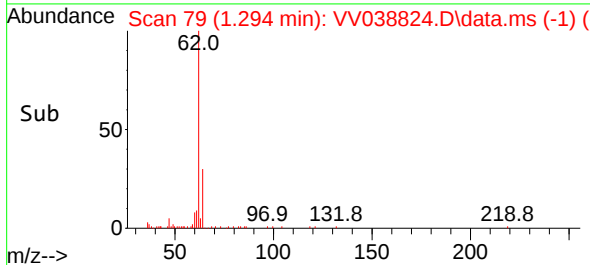
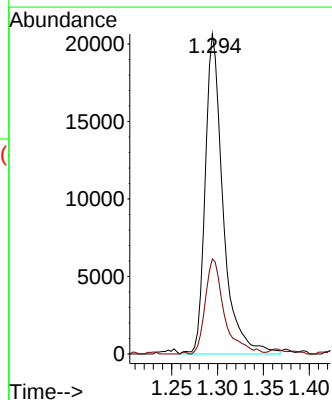
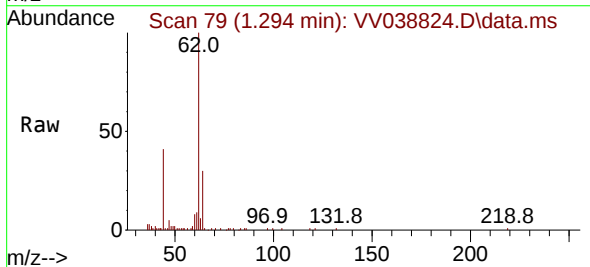
Instrument :
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ClientSampleId :
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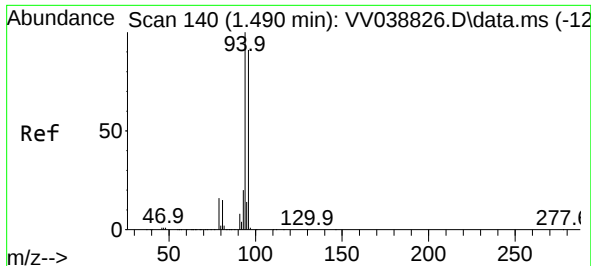
Tgt Ion: 50 Resp: 26277
Ion Ratio Lower Upper
50 100
52 31.5 25.8 38.6



#4
Vinyl Chloride
Concen: 5.188 ug/l
RT: 1.294 min Scan# 79
Delta R.T. -0.000 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

Tgt Ion: 62 Resp: 28035
Ion Ratio Lower Upper
62 100
64 29.7 25.3 37.9

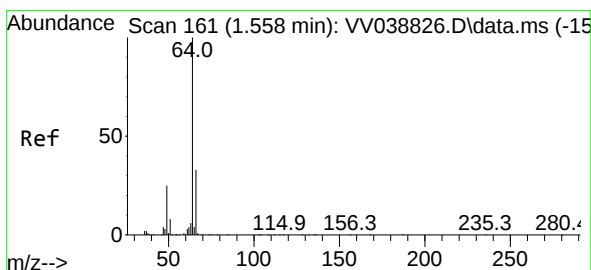
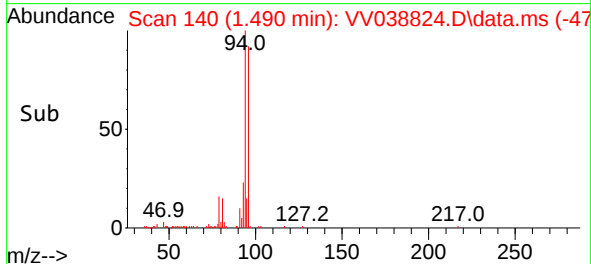
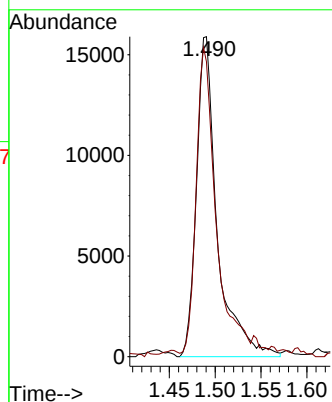
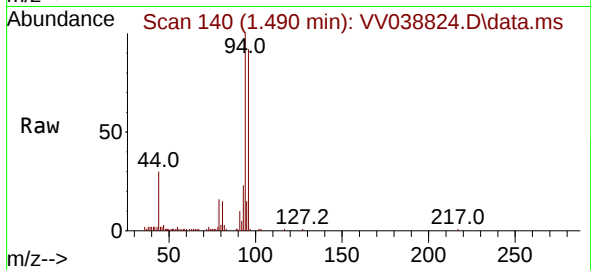




#5
Bromomethane
Concen: 7.043 ug/l
RT: 1.490 min Scan# 140
Delta R.T. 0.000 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

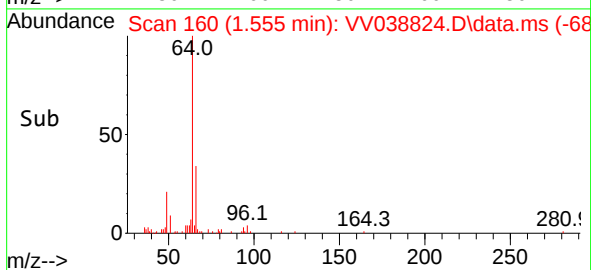
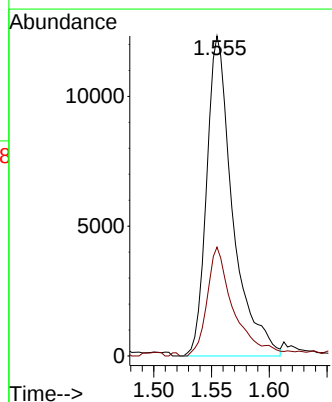
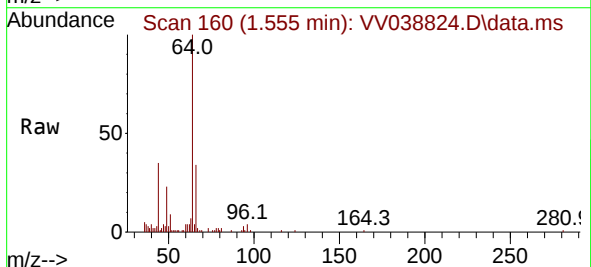
Instrument :
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ClientSampleId :
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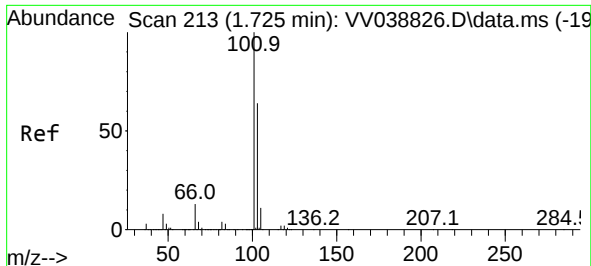
Tgt Ion: 94 Resp: 25062
Ion Ratio Lower Upper
94 100
96 91.1 72.9 109.3



#6
Chloroethane
Concen: 5.531 ug/l
RT: 1.555 min Scan# 160
Delta R.T. -0.003 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

Tgt Ion: 64 Resp: 19339
Ion Ratio Lower Upper
64 100
66 34.0 26.3 39.5

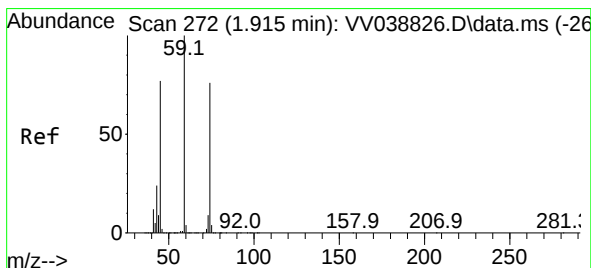
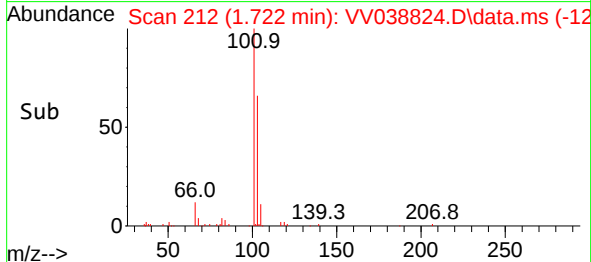
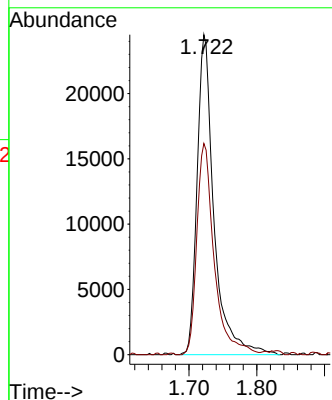
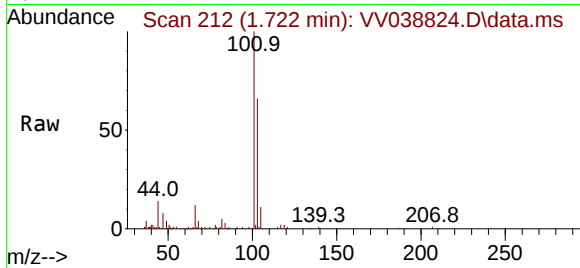




#7
 Trichlorofluoromethane
 Concen: 5.268 ug/l
 RT: 1.722 min Scan# 213
 Delta R.T. -0.003 min
 Lab File: VV038824.D
 Acq: 27 Jun 2025 09:17

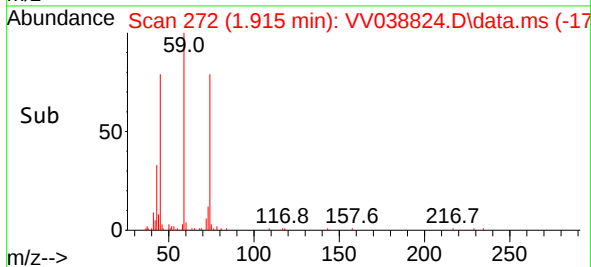
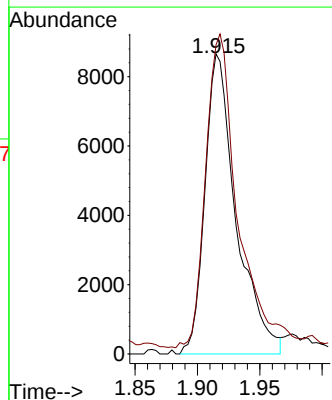
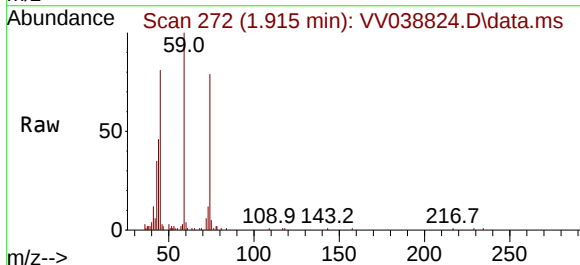
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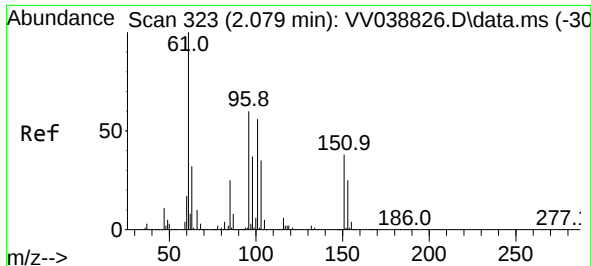
Tgt Ion:101 Resp: 42360
 Ion Ratio Lower Upper
 101 100
 103 66.0 51.5 77.3



#8
 Diethyl Ether
 Concen: 4.919 ug/l
 RT: 1.915 min Scan# 272
 Delta R.T. -0.000 min
 Lab File: VV038824.D
 Acq: 27 Jun 2025 09:17

Tgt Ion: 74 Resp: 15111
 Ion Ratio Lower Upper
 74 100
 45 108.0 50.2 150.6

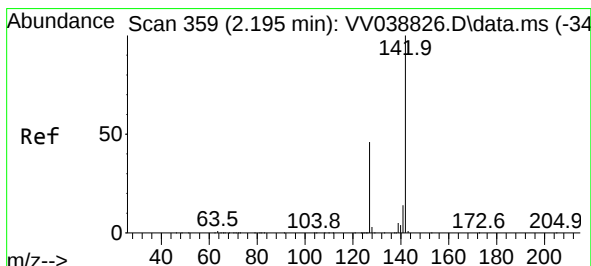
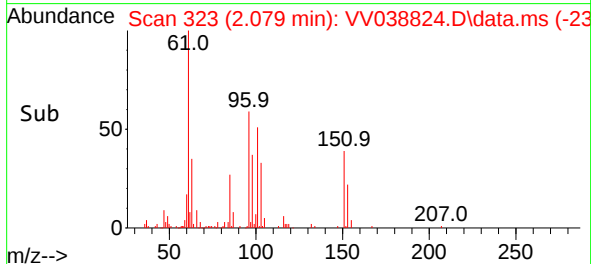
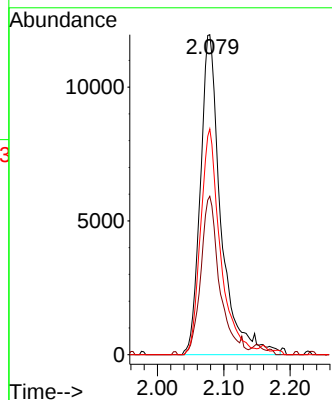
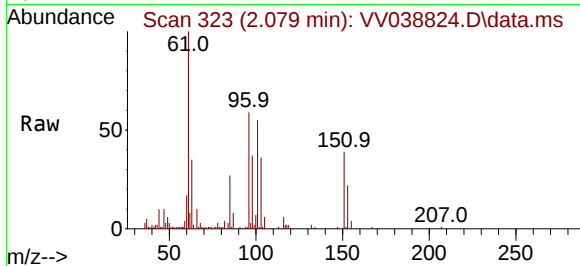




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.314 ug/l
RT: 2.079 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV038824.D
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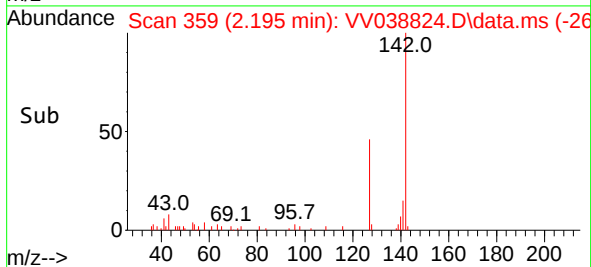
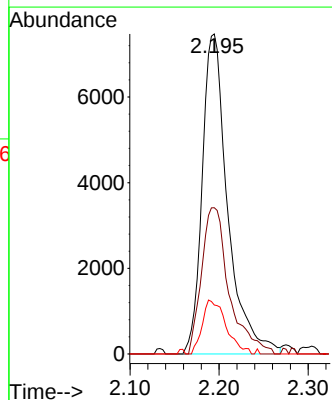
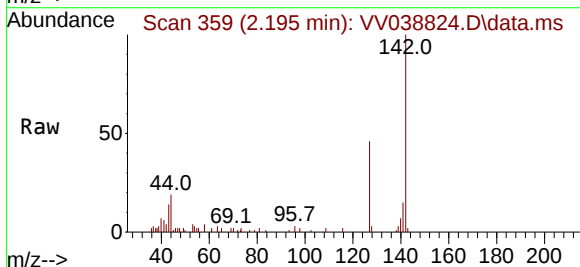
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

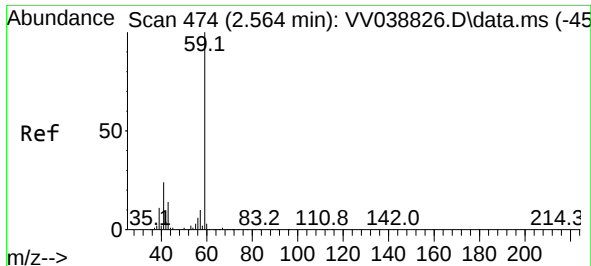
Tgt Ion:	101	Resp:	25734
Ion	Ratio	Lower	Upper
101	100		
85	45.4	35.5	53.3
151	68.1	55.4	83.2



#10
Methyl Iodide
Concen: 6.843 ug/l
RT: 2.195 min Scan# 359
Delta R.T. -0.000 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

Tgt Ion:	142	Resp:	14836
Ion	Ratio	Lower	Upper
142	100		
127	49.4	36.4	54.6
141	15.7	11.9	17.9

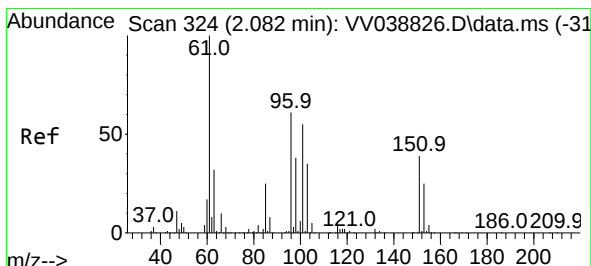
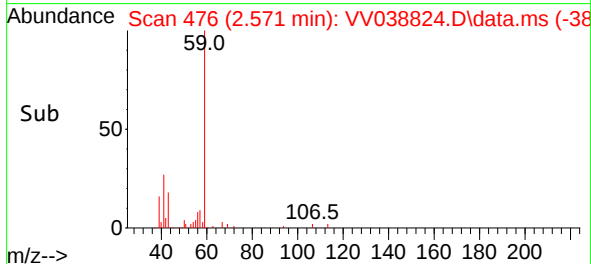
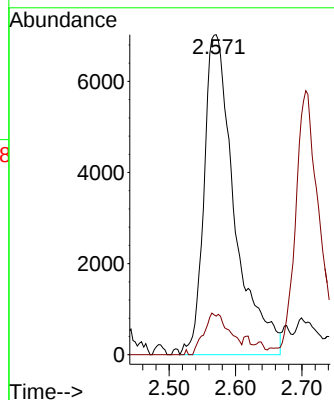
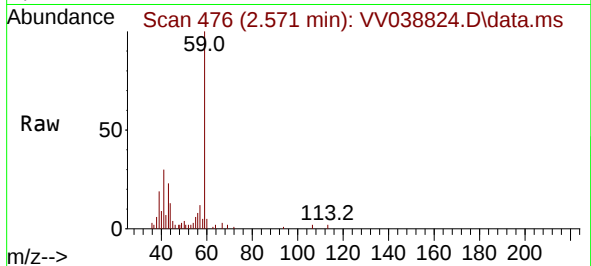




#11
Tert butyl alcohol
Concen: 24.847 ug/l
RT: 2.571 min Scan# 41
Delta R.T. 0.007 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

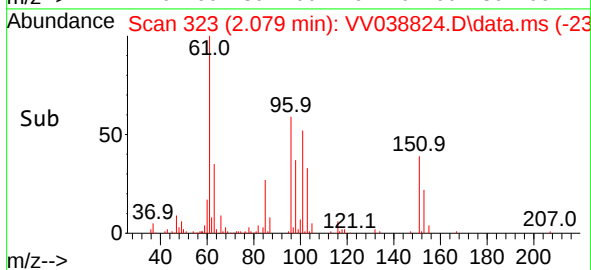
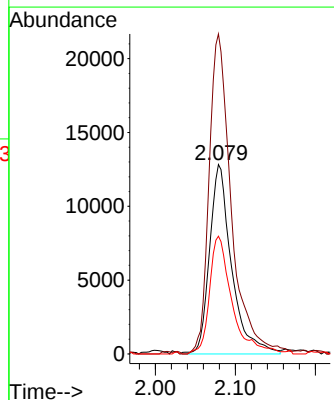
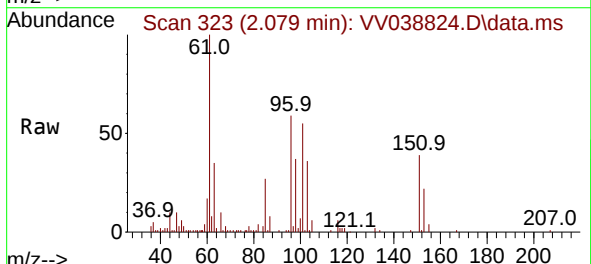
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

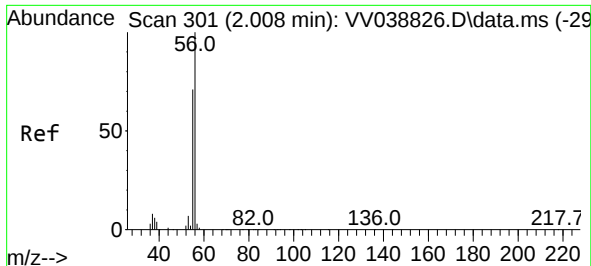
Tgt Ion: 59 Resp: 22460
Ion Ratio Lower Upper
59 100
57 10.7 8.1 12.1



#12
1,1-Dichloroethene
Concen: 4.643 ug/l
RT: 2.079 min Scan# 323
Delta R.T. -0.003 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

Tgt Ion: 96 Resp: 24585
Ion Ratio Lower Upper
96 100
61 168.0 131.5 197.3
98 62.1 50.0 75.0





#13

Acrolein

Concen: 22.971 ug/l

RT: 2.008 min Scan# 301

Delta R.T. -0.000 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

Instrument :

MSVOA_V

ClientSampleId :

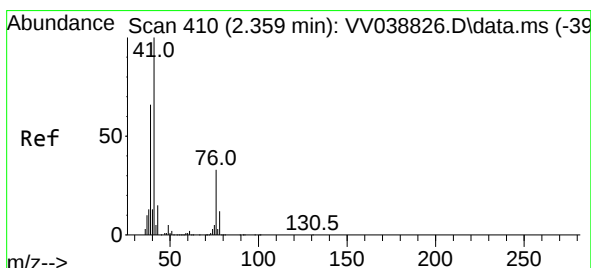
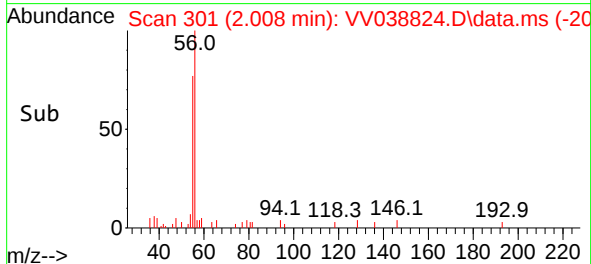
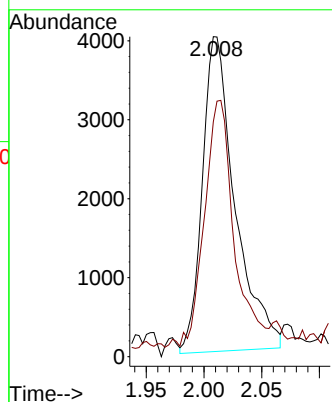
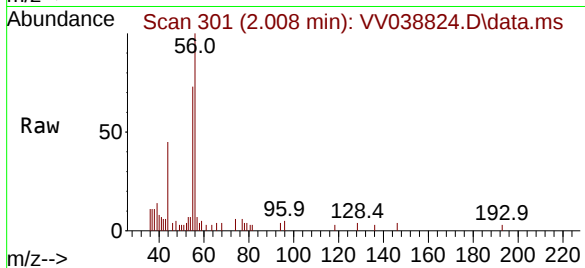
VSTDICC005

Tgt Ion: 56 Resp: 7841

Ion Ratio Lower Upper

56 100

55 71.3 56.0 84.0



#14

Allyl chloride

Concen: 5.234 ug/l

RT: 2.359 min Scan# 410

Delta R.T. -0.000 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

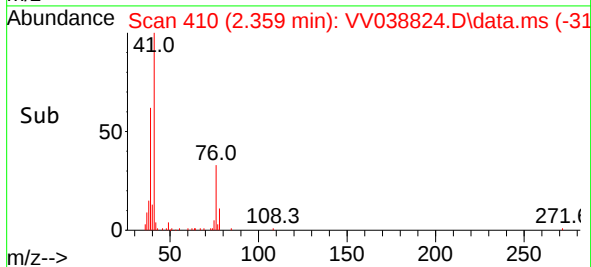
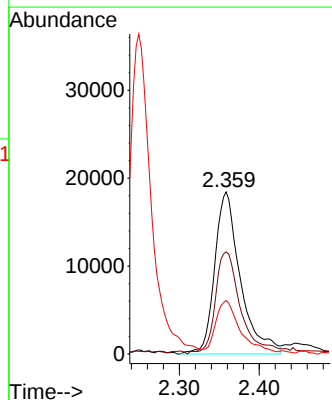
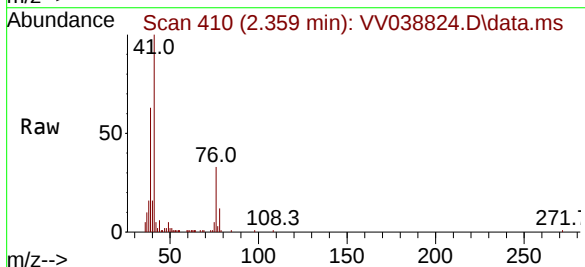
Tgt Ion: 41 Resp: 41104

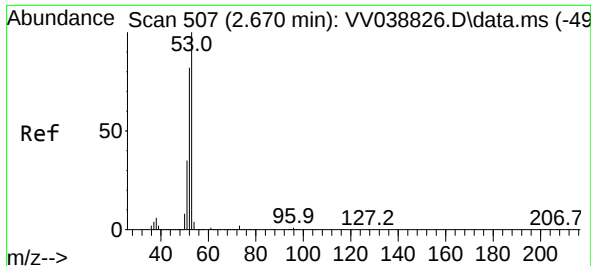
Ion Ratio Lower Upper

41 100

39 63.0 49.4 74.0

76 29.2 28.8 43.2

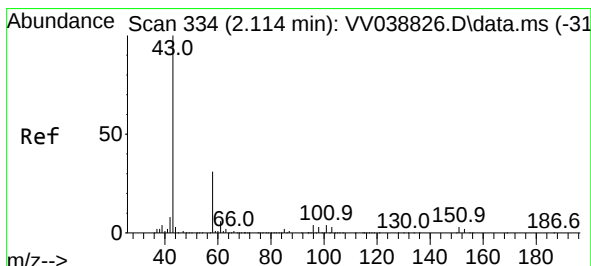
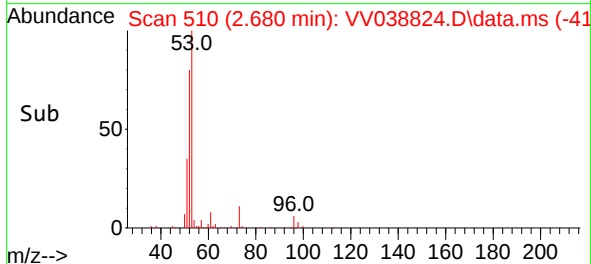
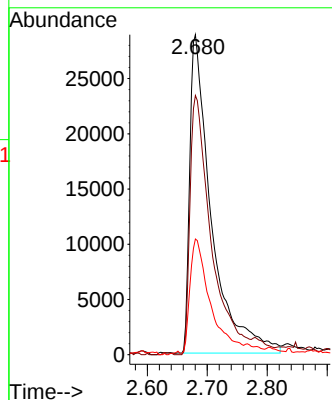
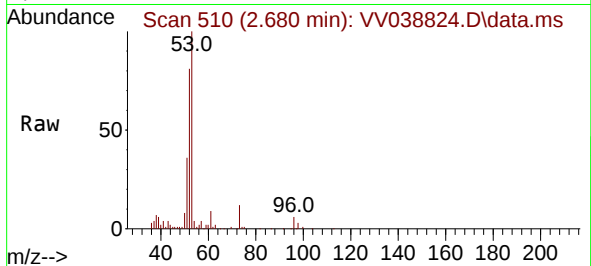




#15
Acrylonitrile
Concen: 23.453 ug/l
RT: 2.680 min Scan# 510
Delta R.T. 0.010 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

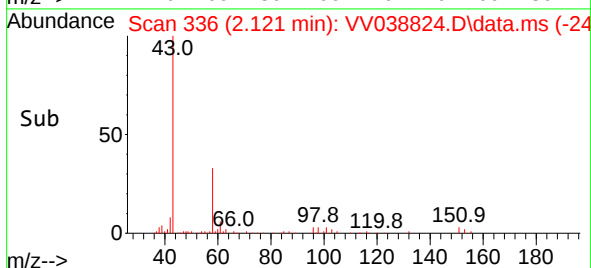
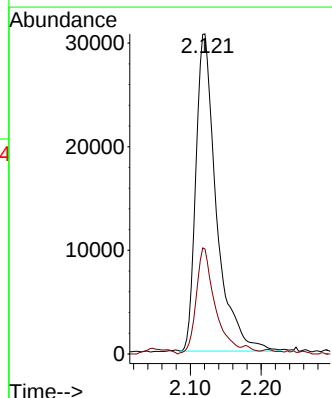
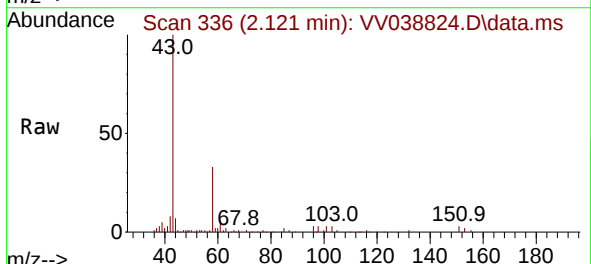
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

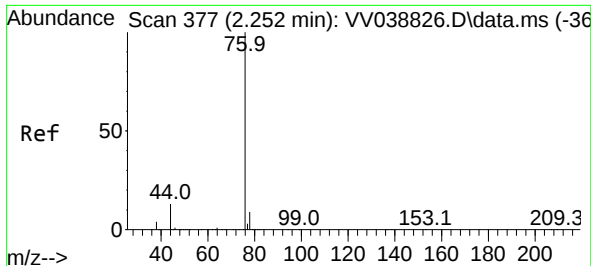
Tgt Ion: 53	Resp: 72190
Ion Ratio	Lower Upper
53	100
52	79.3 65.5 98.3
51	33.4 28.3 42.5



#16
Acetone
Concen: 25.867 ug/l
RT: 2.121 min Scan# 336
Delta R.T. 0.006 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

Tgt Ion: 43	Resp: 61668
Ion Ratio	Lower Upper
43	100
58	32.7 25.7 38.5

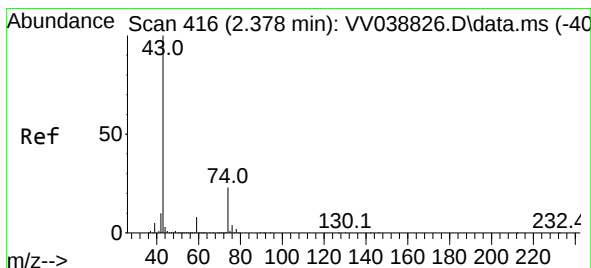
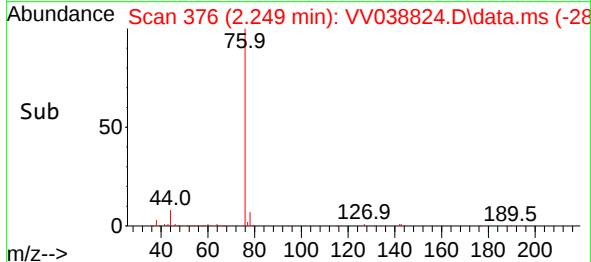
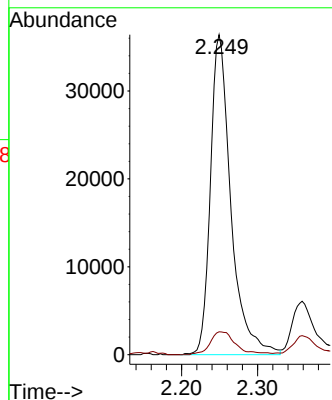
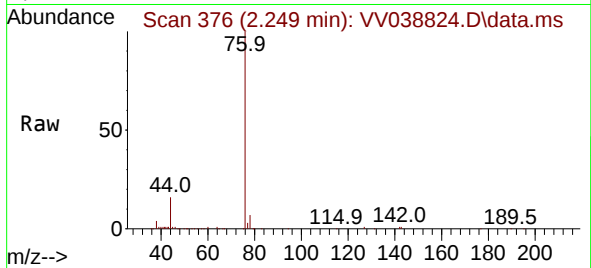




#17
Carbon Disulfide
Concen: 4.543 ug/l
RT: 2.249 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

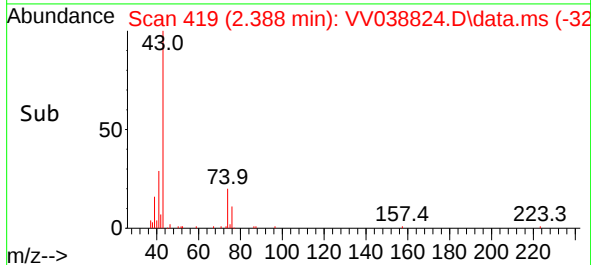
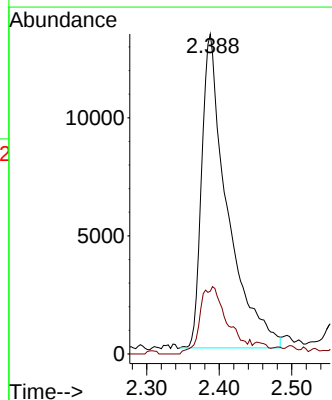
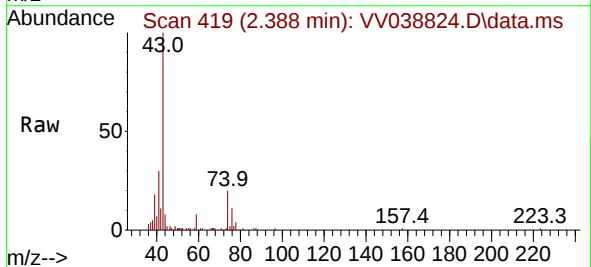
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

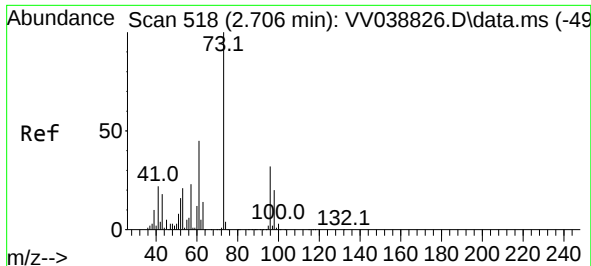
Tgt Ion: 76 Resp: 68109
Ion Ratio Lower Upper
76 100
78 7.1 7.1 10.7



#18
Methyl Acetate
Concen: 4.252 ug/l
RT: 2.388 min Scan# 419
Delta R.T. 0.010 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

Tgt Ion: 43 Resp: 32476
Ion Ratio Lower Upper
43 100
74 22.6 18.2 27.2





#19

Methyl tert-butyl Ether

Concen: 4.326 ug/l

RT: 2.709 min Scan# 518

Delta R.T. 0.003 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

Instrument :

MSVOA_V

ClientSampleId :

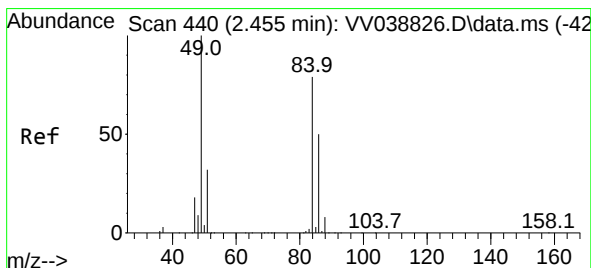
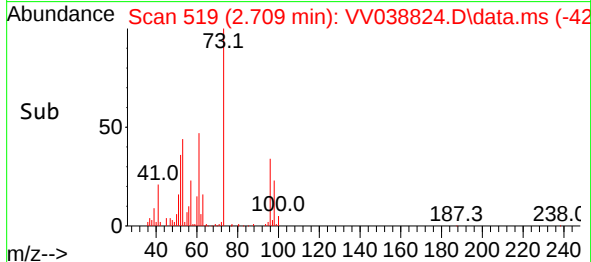
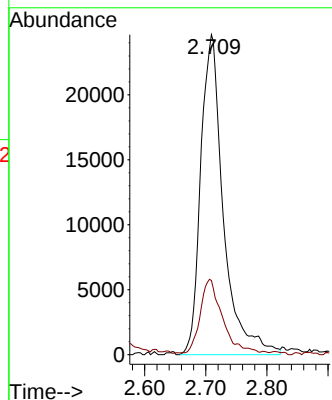
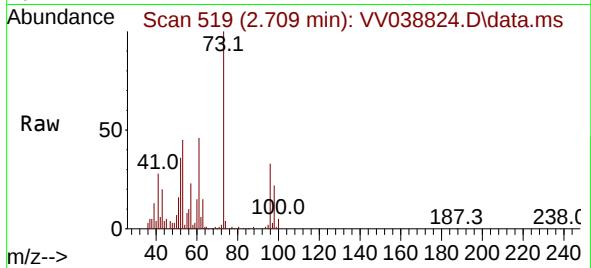
VSTDIC005

Tgt Ion: 73 Resp: 63491

Ion Ratio Lower Upper

73 100

57 22.6 18.2 27.4



#20

Methylene Chloride

Concen: 5.165 ug/l

RT: 2.452 min Scan# 439

Delta R.T. -0.003 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

Tgt Ion: 84 Resp: 28658

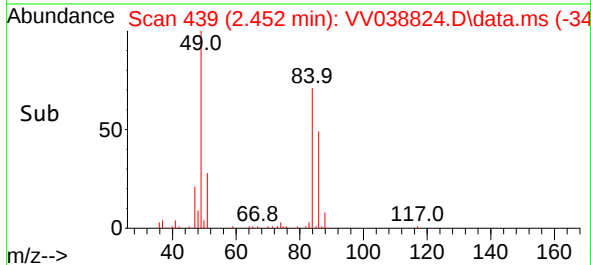
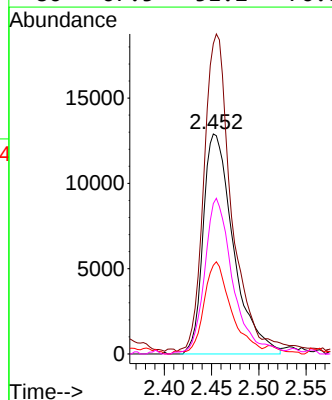
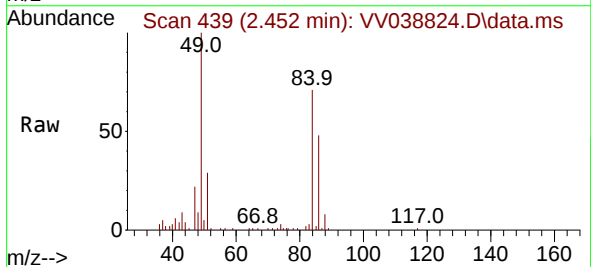
Ion Ratio Lower Upper

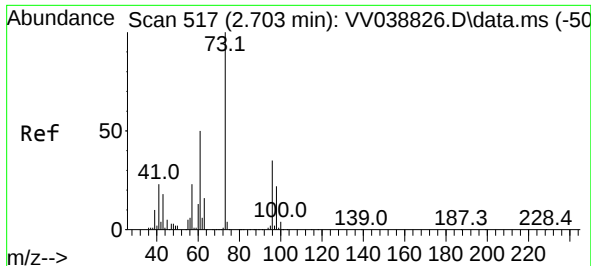
84 100

49 138.8 101.4 152.2

51 39.0 32.3 48.5

86 67.5 51.2 76.8

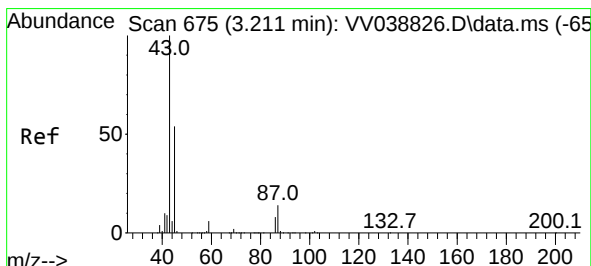
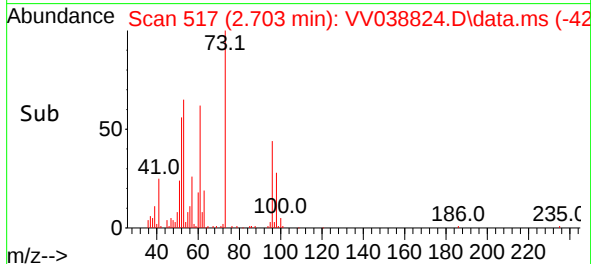
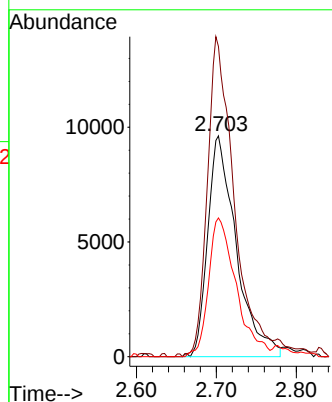
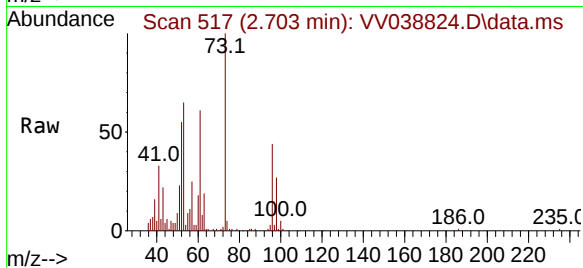




#21
trans-1,2-Dichloroethene
Concen: 4.946 ug/l
RT: 2.703 min Scan# 517
Delta R.T. -0.000 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

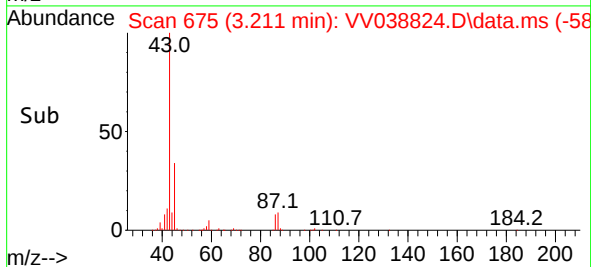
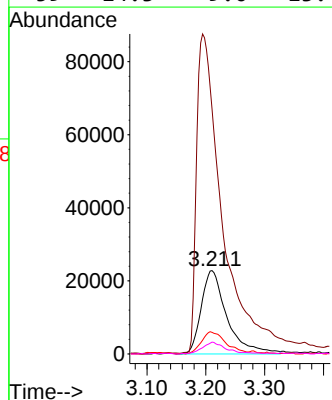
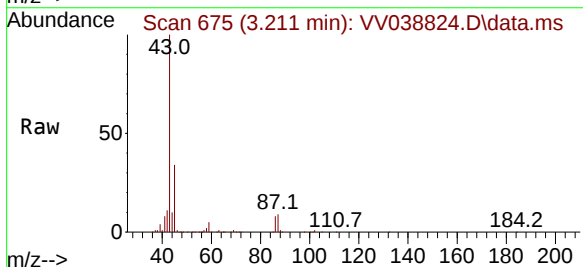
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

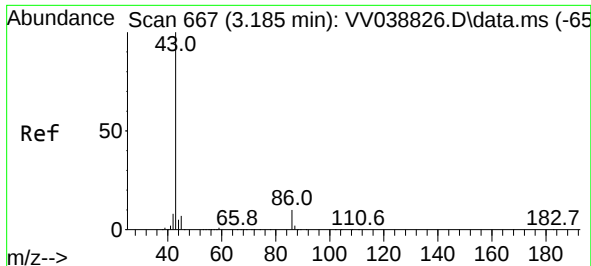
Tgt Ion: 96 Resp: 23874
Ion Ratio Lower Upper
96 100
61 139.2 112.6 169.0
98 62.8 49.6 74.4



#22
Diisopropyl ether
Concen: 4.364 ug/l
RT: 3.211 min Scan# 675
Delta R.T. -0.000 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

Tgt Ion: 45 Resp: 69365
Ion Ratio Lower Upper
45 100
43 294.5 148.7 223.1#
87 25.5 21.0 31.4
59 14.3 9.0 13.4#

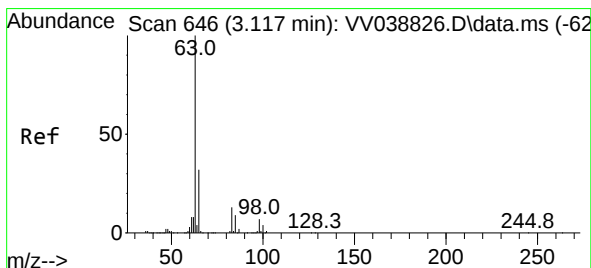
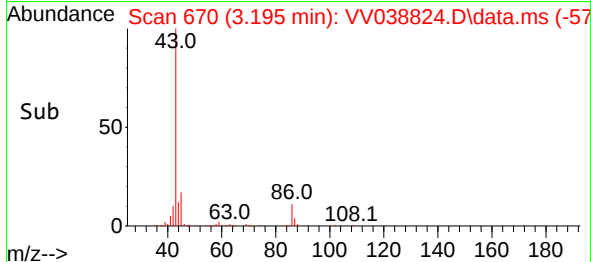
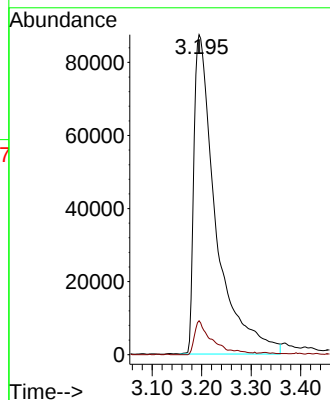
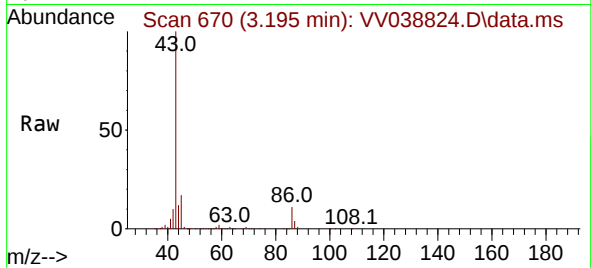




#23
 Vinyl Acetate
 Concen: 21.449 ug/l
 RT: 3.195 min Scan# 61
 Delta R.T. 0.010 min
 Lab File: VV038824.D
 Acq: 27 Jun 2025 09:17

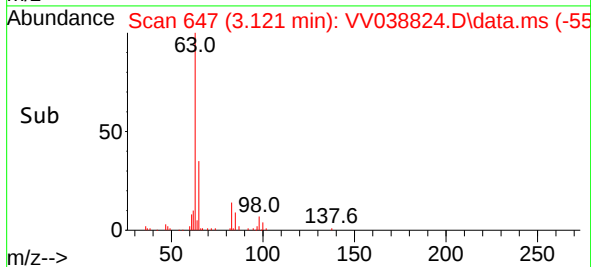
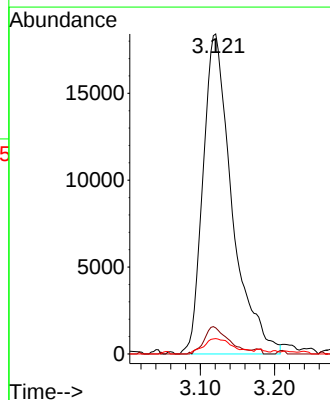
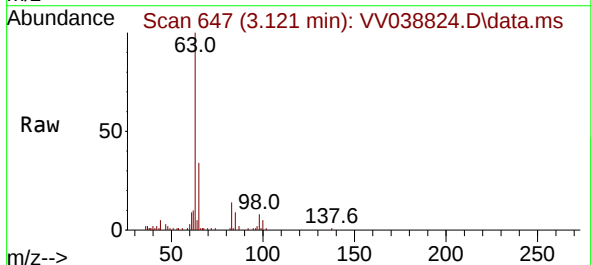
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC005

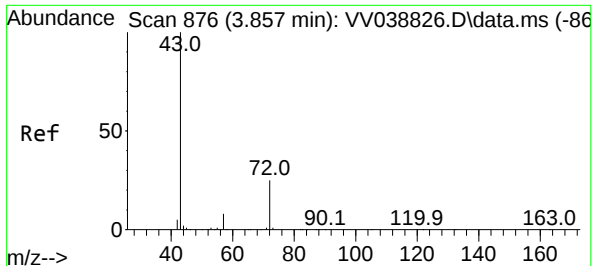
Tgt Ion: 43 Resp: 270808
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 5.237 ug/l
 RT: 3.121 min Scan# 647
 Delta R.T. 0.003 min
 Lab File: VV038824.D
 Acq: 27 Jun 2025 09:17

Tgt Ion: 63 Resp: 49922
 Ion Ratio Lower Upper
 63 100
 98 8.2 3.5 10.4
 100 4.8 2.1 6.5

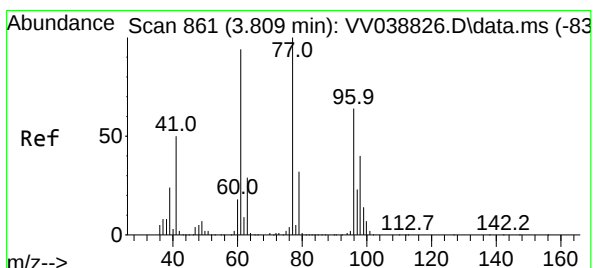
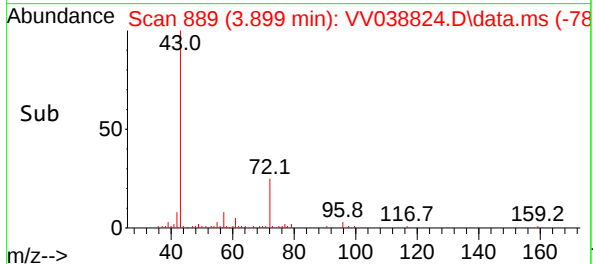
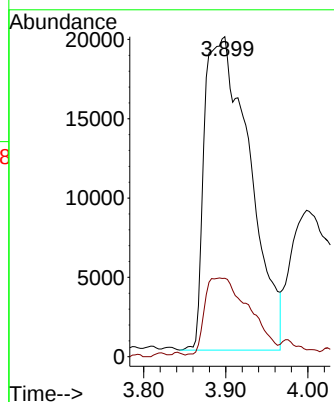
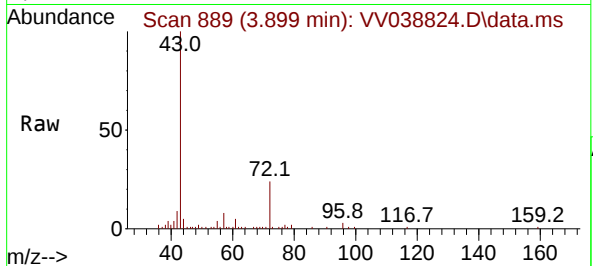




#25
2-Butanone
Concen: 21.146 ug/l
RT: 3.899 min Scan# 889
Delta R.T. 0.042 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

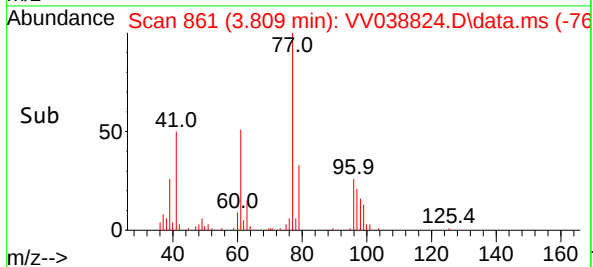
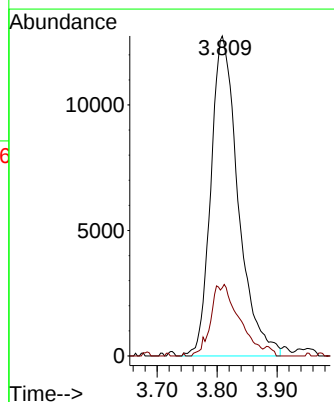
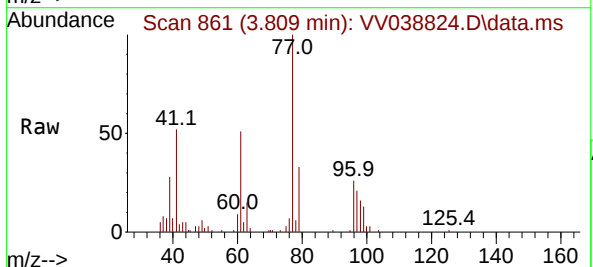
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

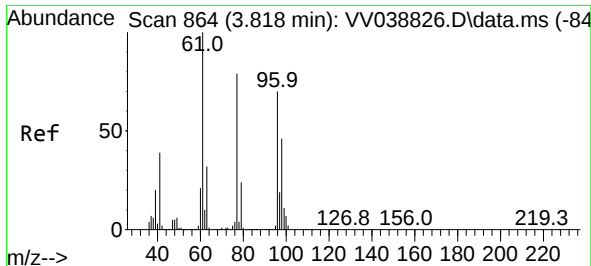
Tgt Ion: 43 Resp: 75403
Ion Ratio Lower Upper
43 100
72 23.8 20.2 30.4



#26
2,2-Dichloropropane
Concen: 5.024 ug/l
RT: 3.809 min Scan# 861
Delta R.T. -0.000 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

Tgt Ion: 77 Resp: 40331
Ion Ratio Lower Upper
77 100
97 8.6 11.1 33.1#



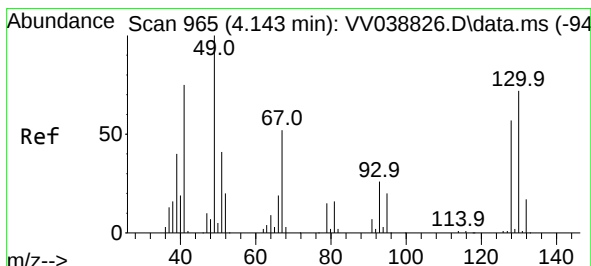
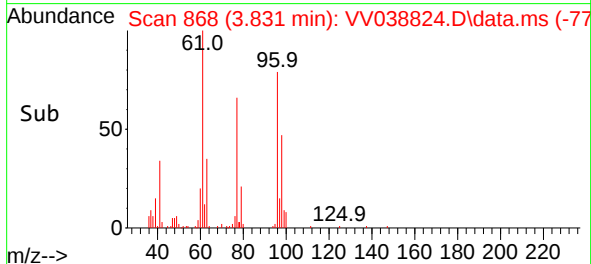
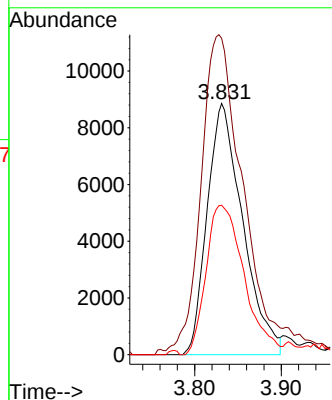
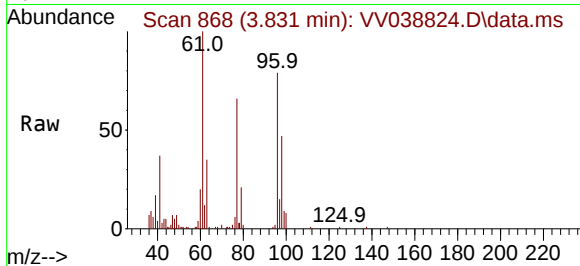


#27
 cis-1,2-Dichloroethene
 Concen: 4.512 ug/l
 RT: 3.831 min Scan# 864
 Delta R.T. 0.013 min
 Lab File: VV038824.D
 Acq: 27 Jun 2025 09:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC005

Tgt Ion: 96 Resp: 25246

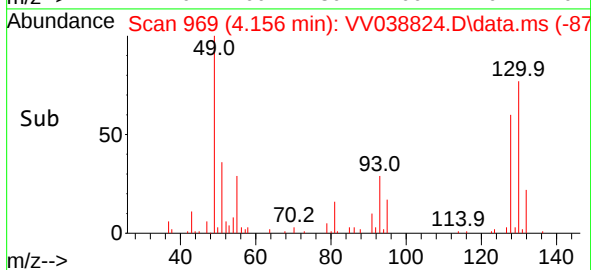
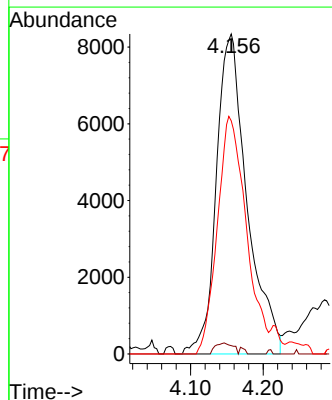
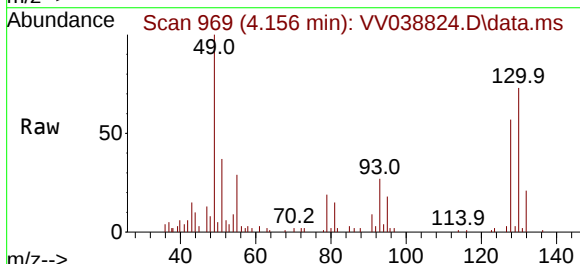
Ion	Ratio	Lower	Upper
96	100		
61	148.4	0.0	292.4
98	63.7	0.0	128.6

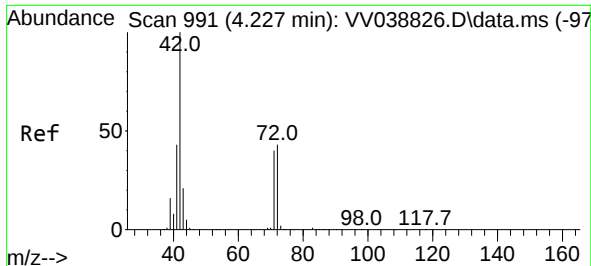


#28
 Bromochloromethane
 Concen: 5.514 ug/l
 RT: 4.156 min Scan# 969
 Delta R.T. 0.013 min
 Lab File: VV038824.D
 Acq: 27 Jun 2025 09:17

Tgt Ion: 49 Resp: 24531

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	69.6	58.8	88.2





#29

Tetrahydrofuran

Concen: 19.890 ug/l

RT: 4.240 min Scan# 991

Delta R.T. 0.013 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

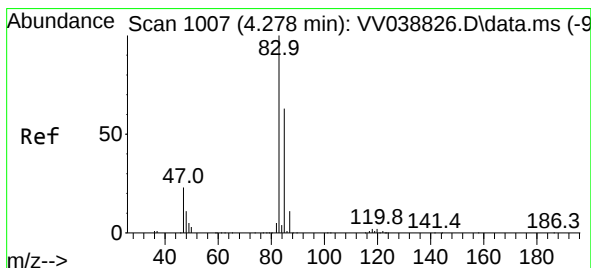
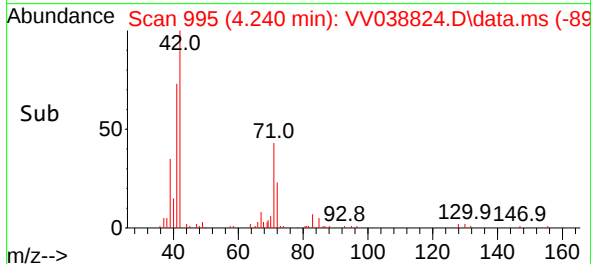
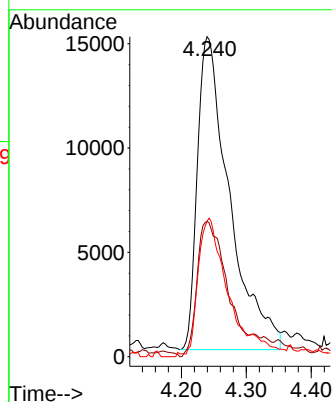
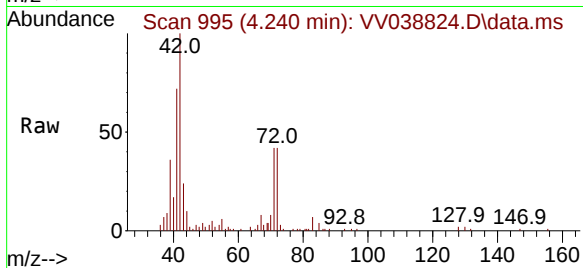
Tgt Ion: 42 Resp: 51627

Ion Ratio Lower Upper

42 100

72 39.9 34.8 52.2

71 36.5 32.6 49.0



#30

Chloroform

Concen: 5.416 ug/l

RT: 4.278 min Scan# 1007

Delta R.T. -0.000 min

Lab File: VV038824.D

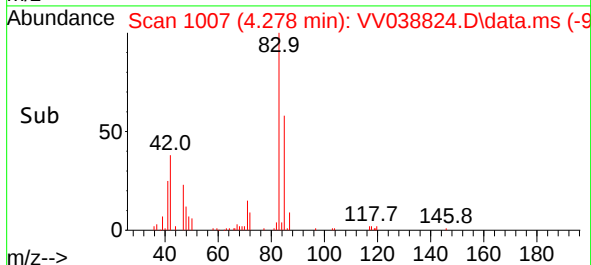
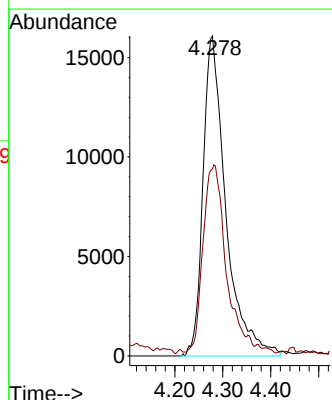
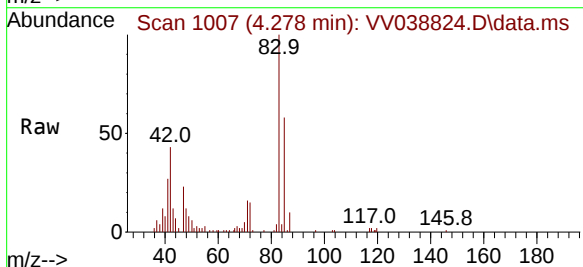
Acq: 27 Jun 2025 09:17

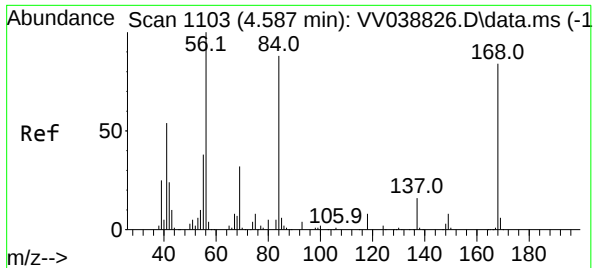
Tgt Ion: 83 Resp: 53050

Ion Ratio Lower Upper

83 100

85 57.1 50.6 76.0

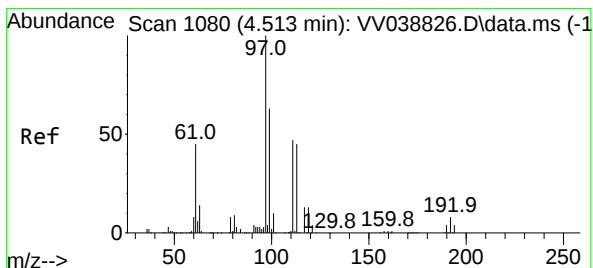
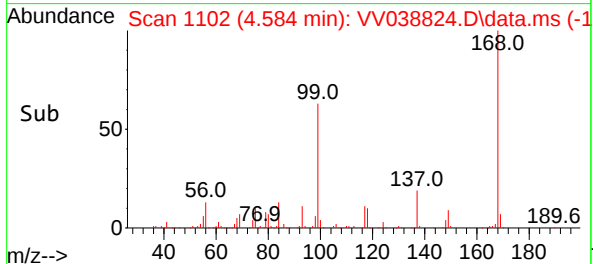
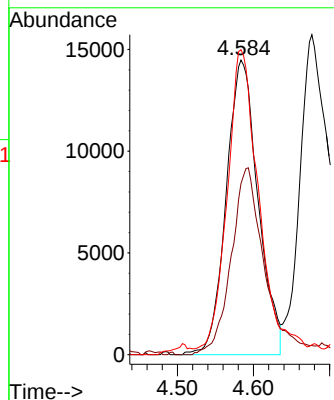
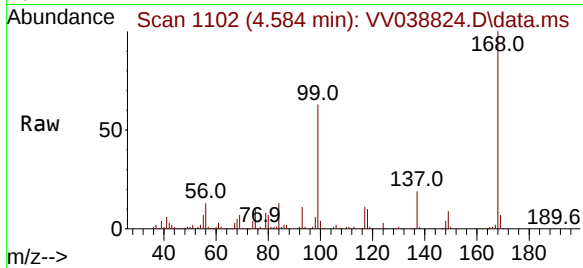




#31
Cyclohexane
Concen: 5.675 ug/l
RT: 4.584 min Scan# 1103
Delta R.T. -0.003 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

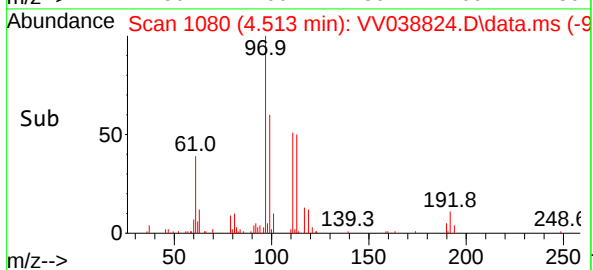
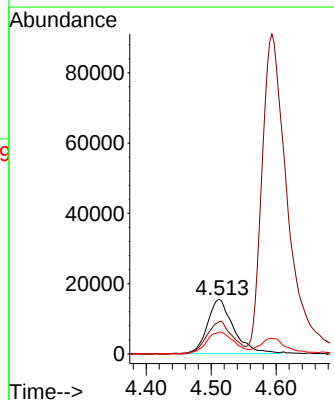
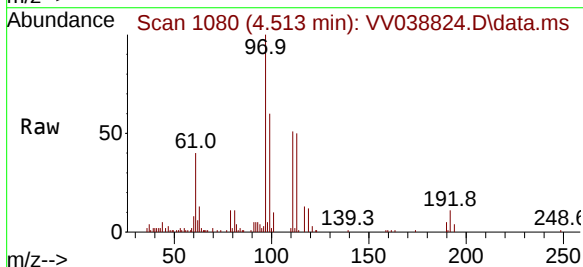
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

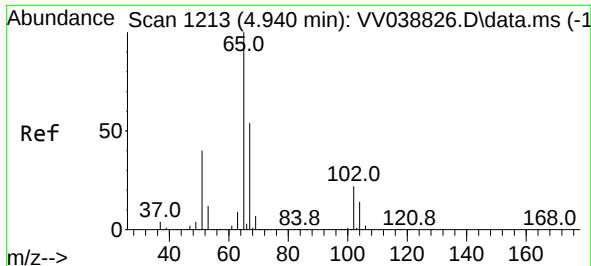
Tgt Ion: 56 Resp: 42055
Ion Ratio Lower Upper
56 100
69 58.1 25.4 38.0#
84 100.2 70.2 105.4



#32
1,1,1-Trichloroethane
Concen: 5.118 ug/l
RT: 4.513 min Scan# 1080
Delta R.T. -0.000 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

Tgt Ion: 97 Resp: 43094
Ion Ratio Lower Upper
97 100
99 58.7 48.9 73.3
61 42.3 34.6 51.8





#33

1,2-Dichloroethane-d4

Concen: 5.957 ug/l

RT: 4.953 min Scan# 11

Delta R.T. 0.013 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

Instrument :

MSVOA_V

ClientSampleId :

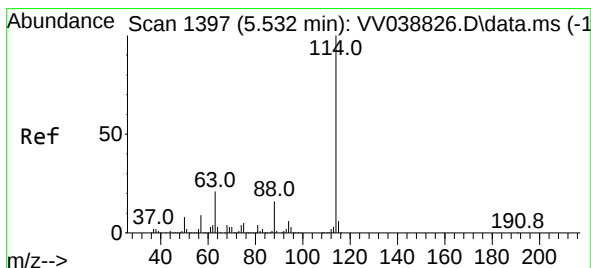
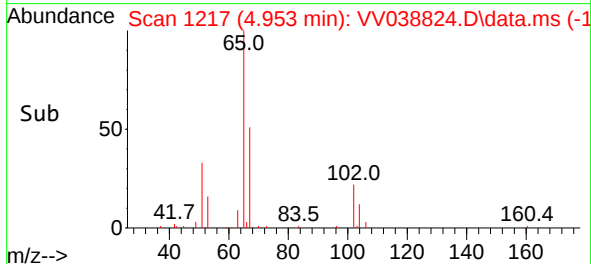
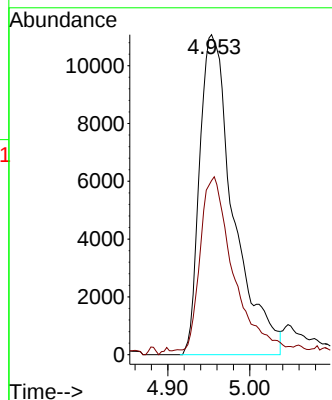
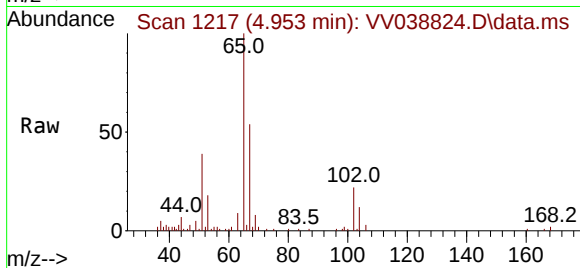
VSTDICC005

Tgt Ion: 65 Resp: 31579

Ion Ratio Lower Upper

65 100

67 52.5 0.0 110.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.529 min Scan# 1396

Delta R.T. -0.003 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

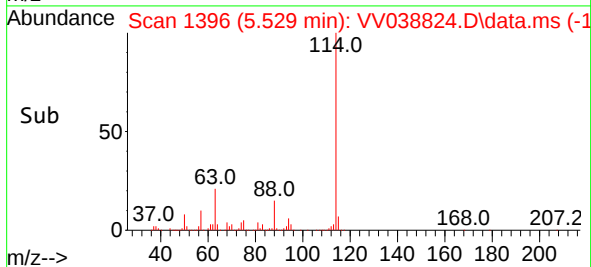
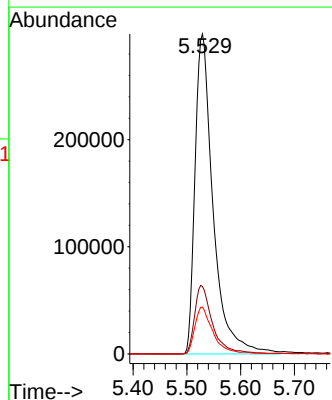
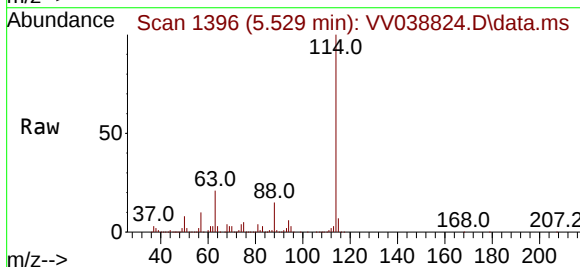
Tgt Ion: 114 Resp: 698367

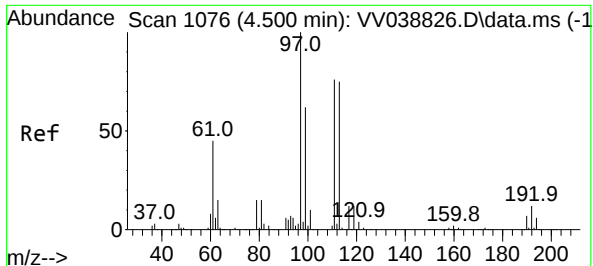
Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.6

88 14.7 0.0 31.0





#35

Dibromofluoromethane

Concen: 5.325 ug/l

RT: 4.510 min Scan# 1076

Delta R.T. 0.010 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

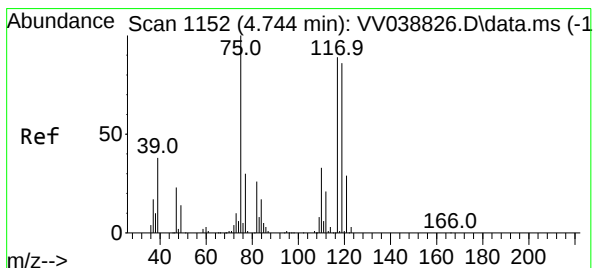
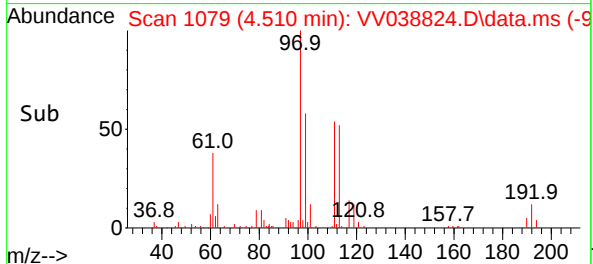
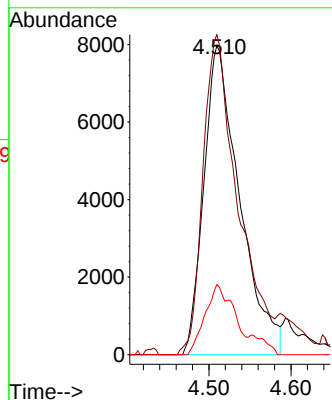
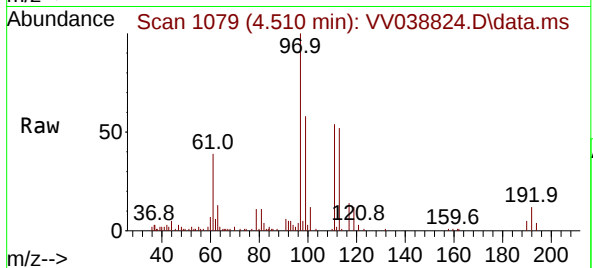
Tgt Ion:113 Resp: 24128

Ion Ratio Lower Upper

113 100

111 100.8 83.0 124.4

192 18.0 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.319 ug/l

RT: 4.748 min Scan# 1153

Delta R.T. 0.003 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

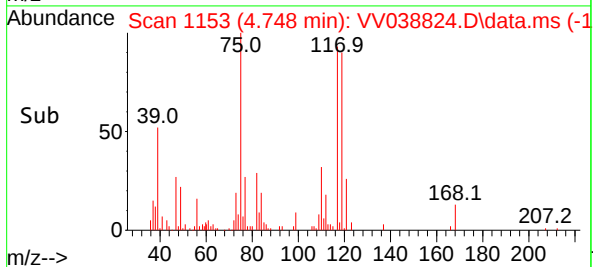
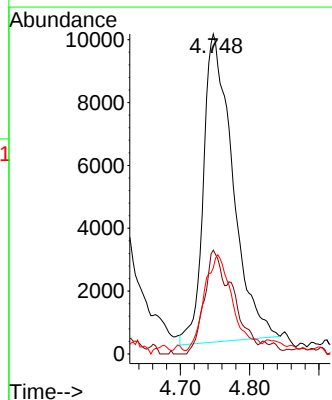
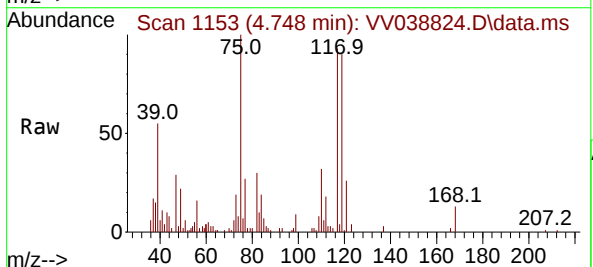
Tgt Ion: 75 Resp: 28672

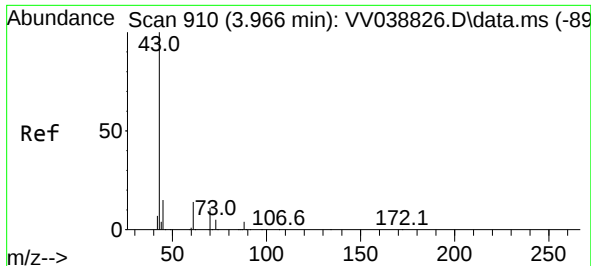
Ion Ratio Lower Upper

75 100

110 22.3 17.4 52.3

77 30.1 24.4 36.6





#37

Ethyl Acetate

Concen: 2.991 ug/l

RT: 3.998 min Scan# 91

Delta R.T. 0.032 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

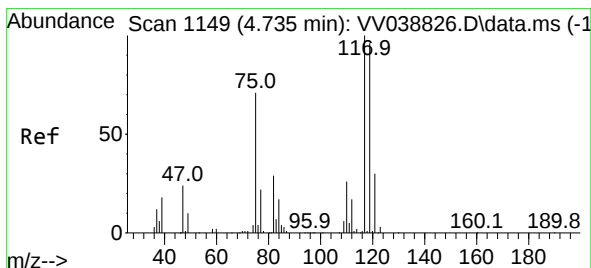
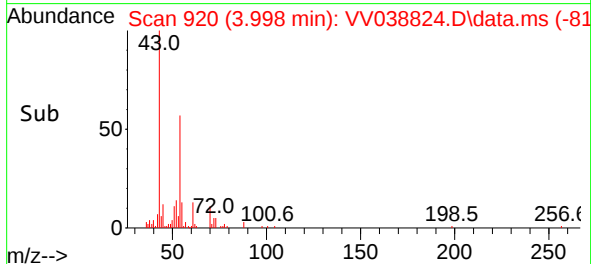
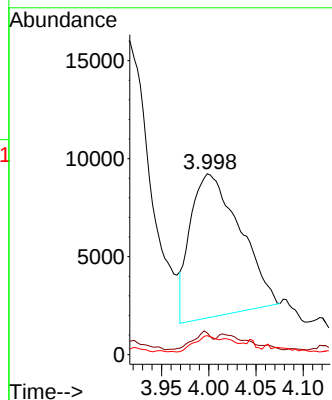
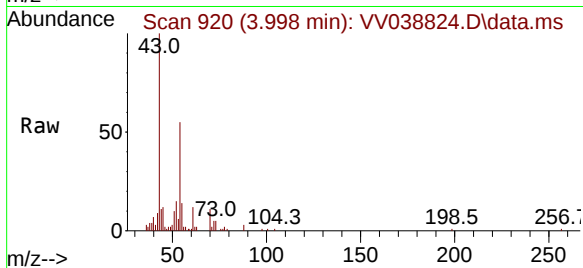
Tgt Ion: 43 Resp: 26652

Ion Ratio Lower Upper

43 100

61 4.4 9.9 14.9#

70 5.2 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 4.819 ug/l

RT: 4.731 min Scan# 1148

Delta R.T. -0.003 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

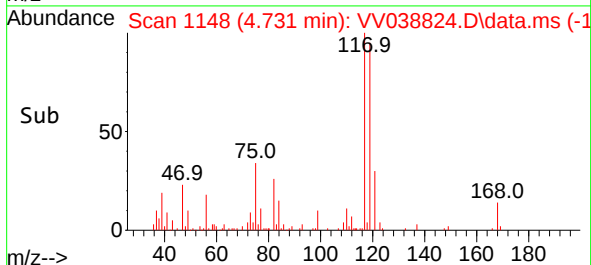
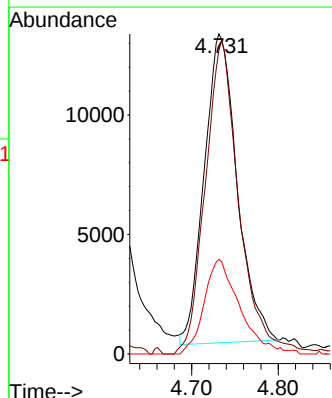
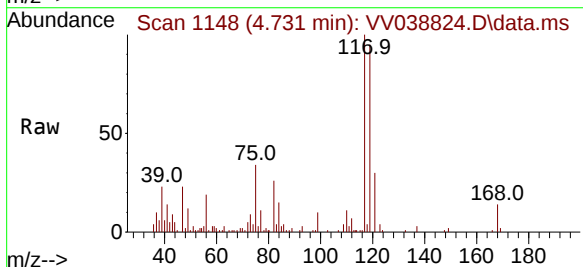
Tgt Ion: 117 Resp: 34048

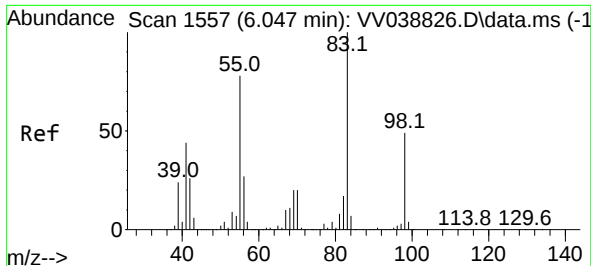
Ion Ratio Lower Upper

117 100

119 97.1 76.4 114.6

121 30.9 24.0 36.0





#39

Methylcyclohexane

Concen: 4.529 ug/l

RT: 6.047 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

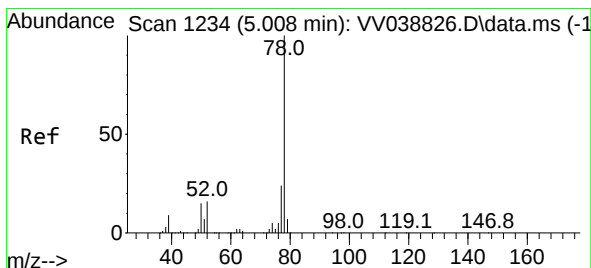
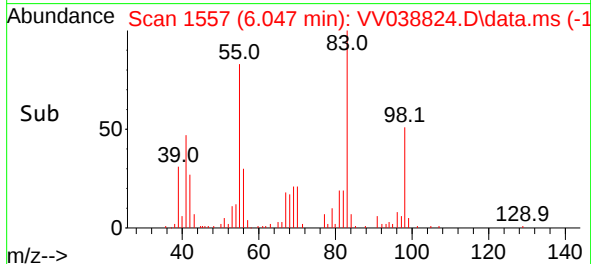
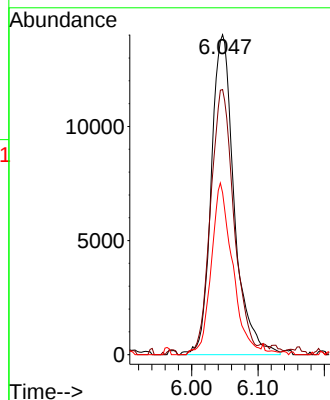
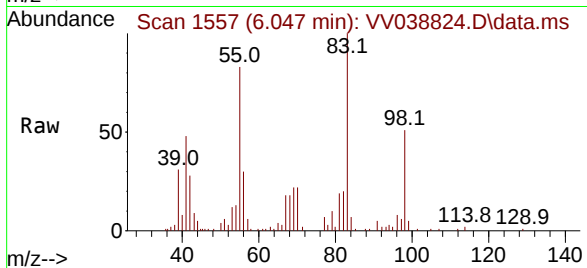
Tgt Ion: 83 Resp: 33736

Ion Ratio Lower Upper

83 100

55 82.8 62.4 93.6

98 50.6 39.1 58.7



#40

Benzene

Concen: 5.056 ug/l

RT: 5.011 min Scan# 1235

Delta R.T. 0.003 min

Lab File: VV038824.D

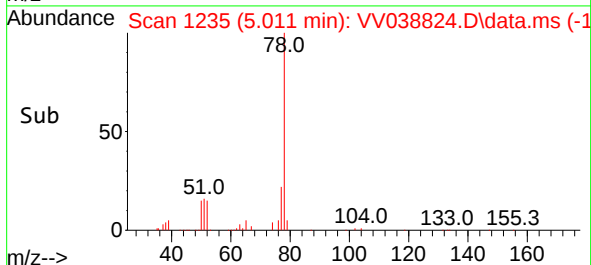
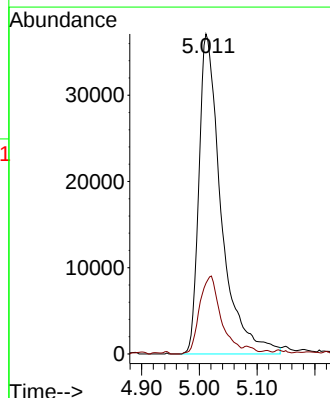
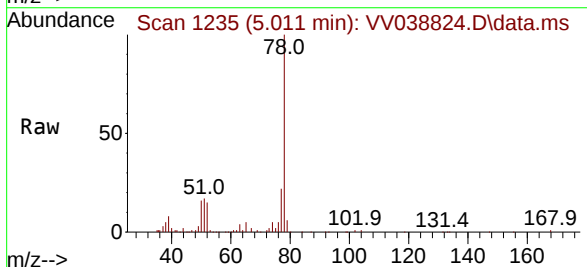
Acq: 27 Jun 2025 09:17

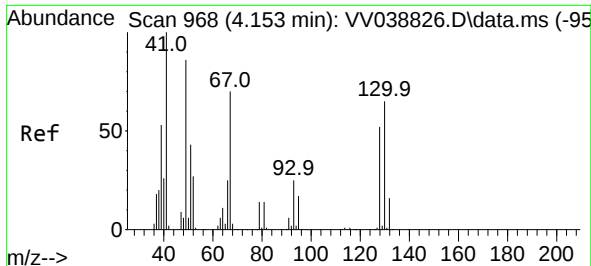
Tgt Ion: 78 Resp: 99303

Ion Ratio Lower Upper

78 100

77 22.1 19.3 28.9

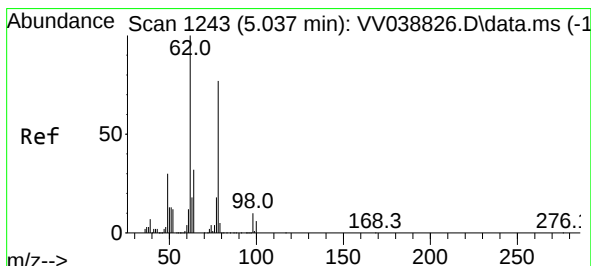
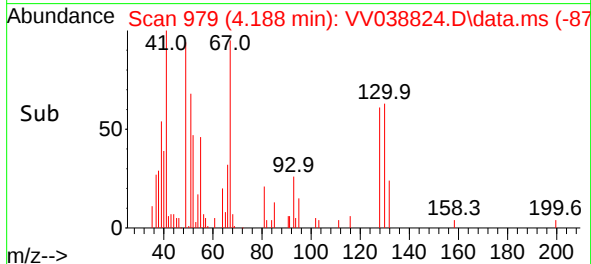
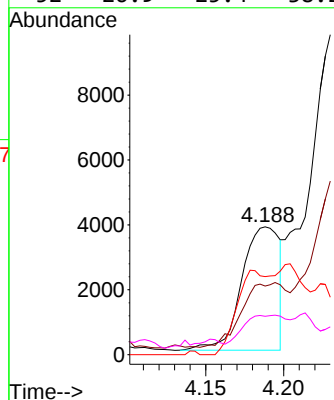
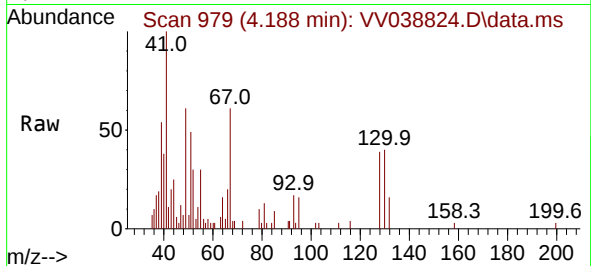




#41
Methacrylonitrile
Concen: 3.989 ug/l
RT: 4.188 min Scan# 91
Delta R.T. 0.035 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

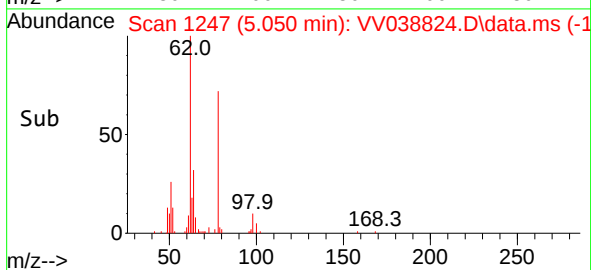
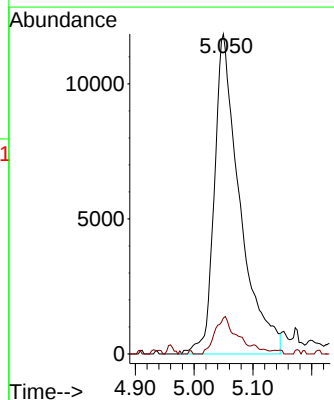
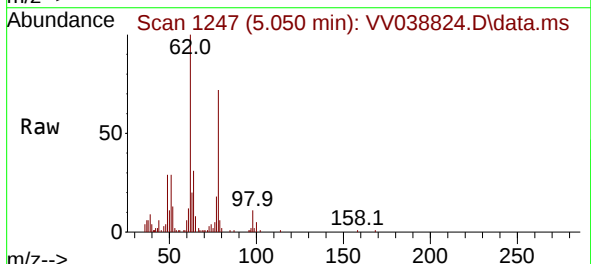
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

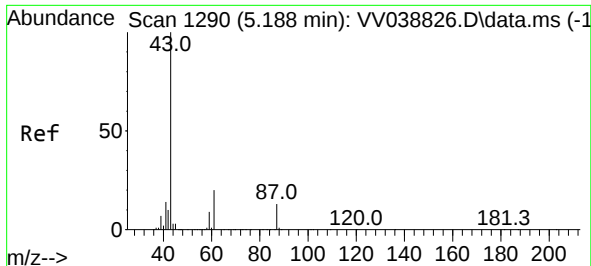
Tgt Ion: 41 Resp: 6365
Ion Ratio Lower Upper
41 100
39 35.1 42.2 63.2#
67 51.0 68.2 102.4#
52 26.9 25.4 38.2



#42
1,2-Dichloroethane
Concen: 5.032 ug/l
RT: 5.050 min Scan# 1247
Delta R.T. 0.013 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

Tgt Ion: 62 Resp: 35649
Ion Ratio Lower Upper
62 100
98 9.6 0.0 17.8

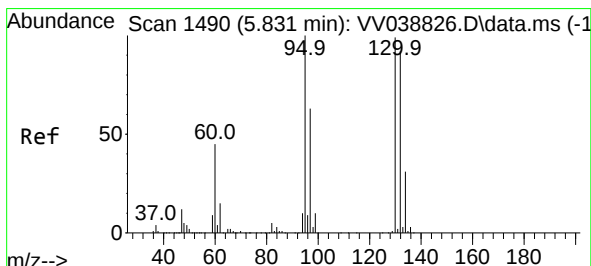
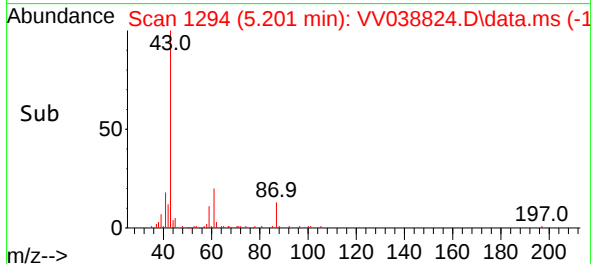
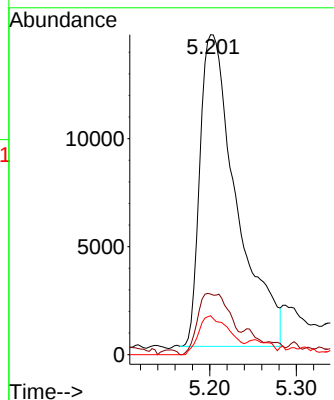
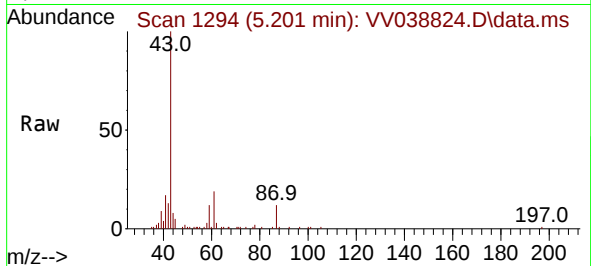




#43
Isopropyl Acetate
Concen: 3.917 ug/l
RT: 5.201 min Scan# 11
Delta R.T. 0.013 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

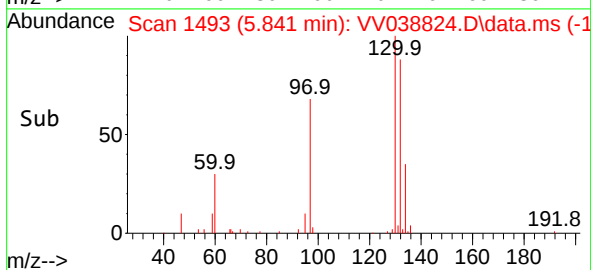
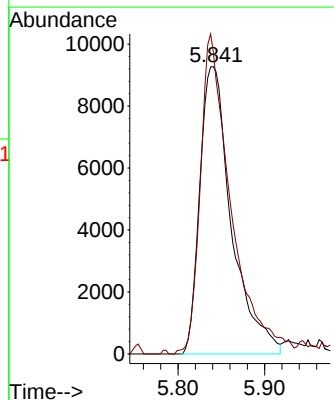
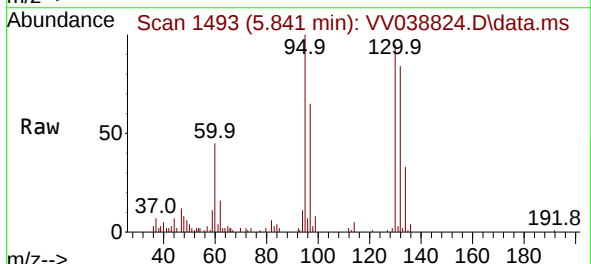
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

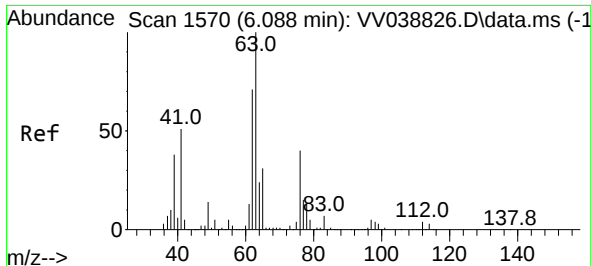
Tgt Ion: 43	Resp: 42425
Ion Ratio	Lower Upper
43 100	
61 17.6	15.4 23.2
87 10.5	10.1 15.1



#44
Trichloroethene
Concen: 4.994 ug/l
RT: 5.841 min Scan# 1493
Delta R.T. 0.010 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

Tgt Ion:130	Resp:	23540	
Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	201.6





#45

1,2-Dichloropropane

Concen: 4.726 ug/l

RT: 6.095 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

Instrument :

MSVOA_V

ClientSampleId :

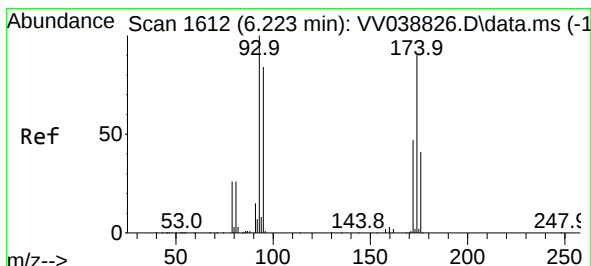
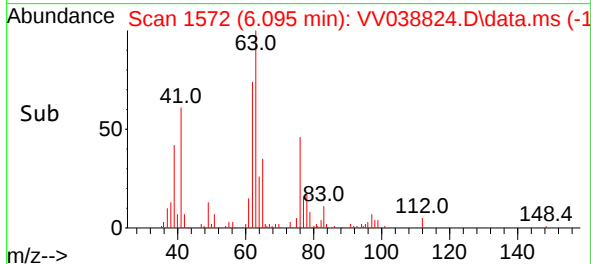
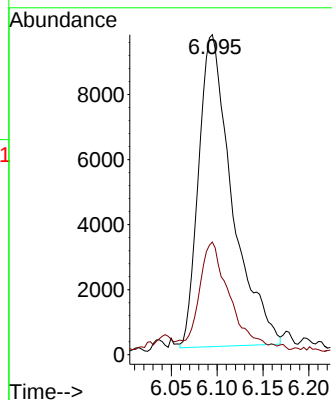
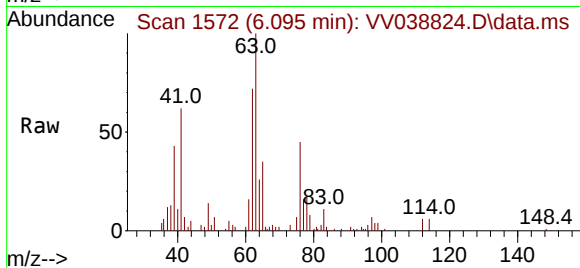
VSTDIC005

Tgt Ion: 63 Resp: 24403

Ion Ratio Lower Upper

63 100

65 33.2 24.3 36.5



#46

Dibromomethane

Concen: 5.060 ug/l

RT: 6.236 min Scan# 1616

Delta R.T. 0.013 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

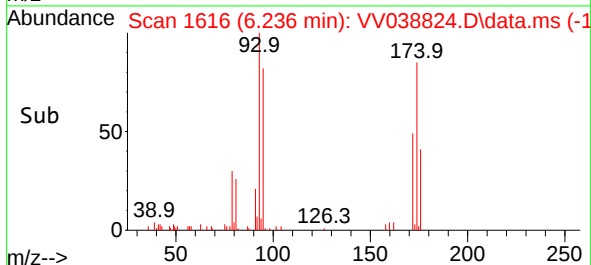
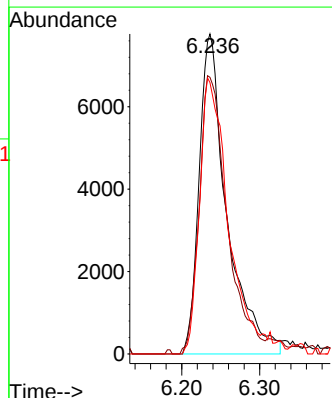
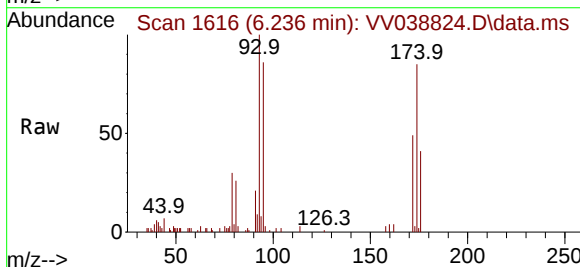
Tgt Ion: 93 Resp: 19167

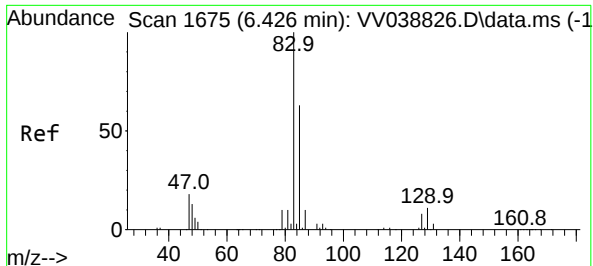
Ion Ratio Lower Upper

93 100

95 87.9 66.9 100.3

174 90.8 71.4 107.0

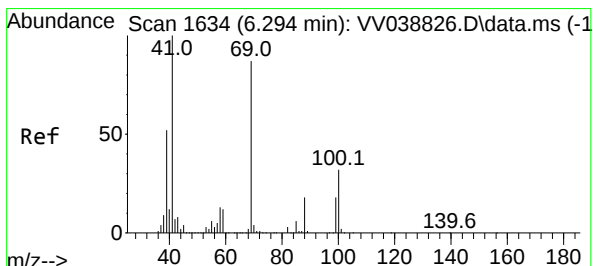
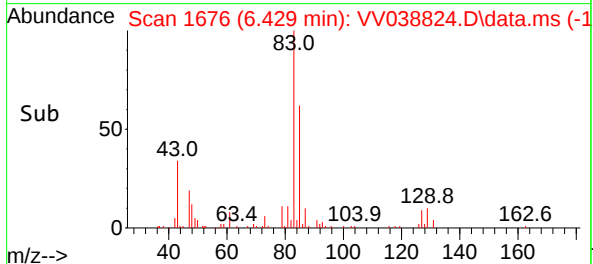
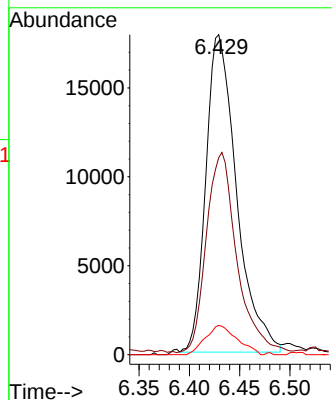
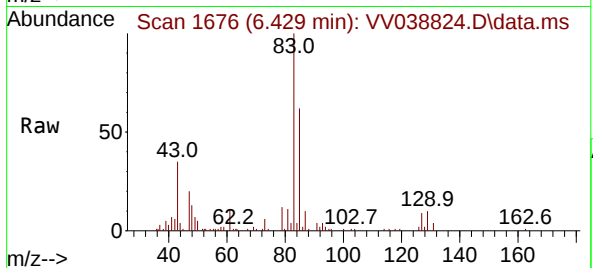




#47
Bromodichloromethane
Concen: 4.971 ug/l
RT: 6.429 min Scan# 1675
Delta R.T. 0.003 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

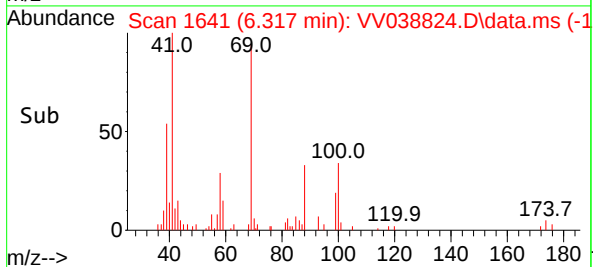
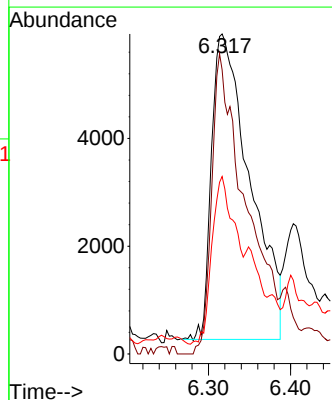
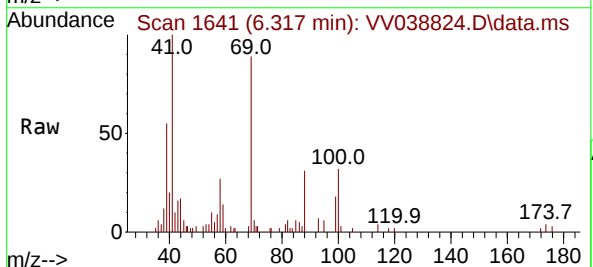
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

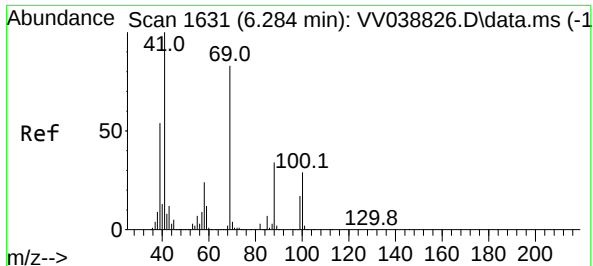
Tgt Ion: 83 Resp: 38028
Ion Ratio Lower Upper
83 100
85 61.2 50.7 76.1
127 9.2 6.2 9.2#



#48
Methyl methacrylate
Concen: 3.598 ug/l
RT: 6.317 min Scan# 1641
Delta R.T. 0.022 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

Tgt Ion: 41 Resp: 18469
Ion Ratio Lower Upper
41 100
69 86.9 70.4 105.6
39 34.5 42.3 63.5#





#49

1,4-Dioxane

Concen: 58.981 ug/l

RT: 6.301 min Scan# 1

Delta R.T. 0.016 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

Instrument :

MSVOA_V

ClientSampleId :

VSTDICC005

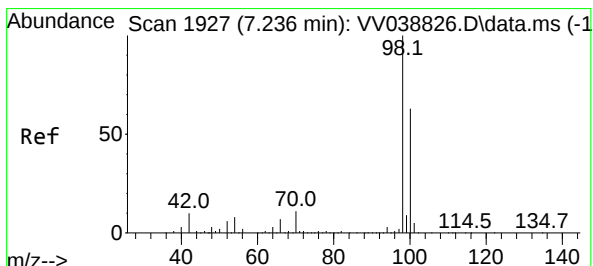
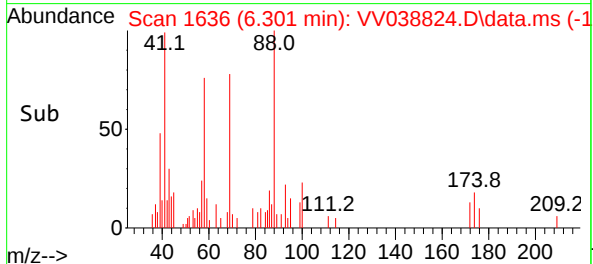
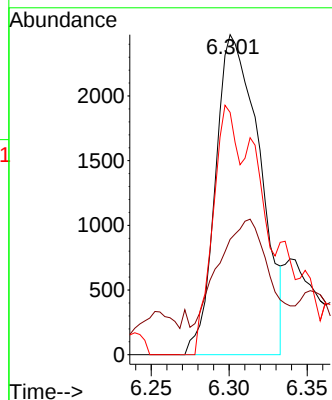
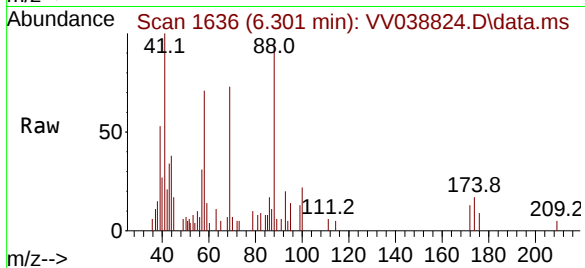
Tgt Ion: 88 Resp: 4874

Ion Ratio Lower Upper

88 100

43 36.7 30.4 45.6

58 45.4 59.6 89.4#



#50

Toluene-d8

Concen: 5.434 ug/l

RT: 7.239 min Scan# 1928

Delta R.T. 0.003 min

Lab File: VV038824.D

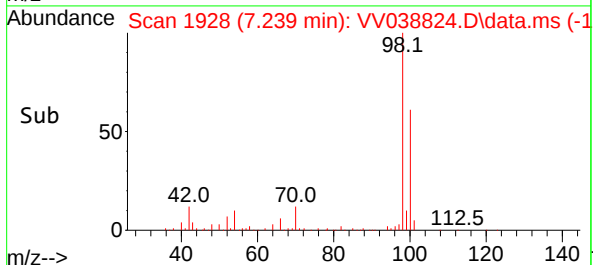
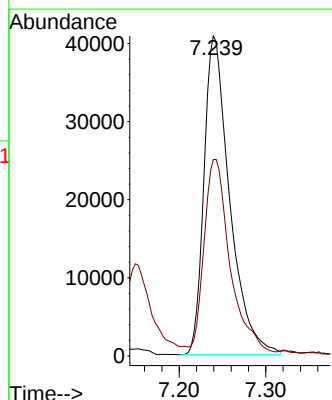
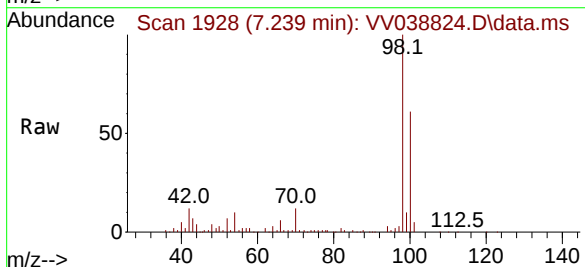
Acq: 27 Jun 2025 09:17

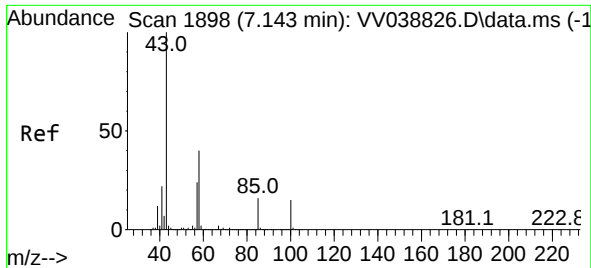
Tgt Ion: 98 Resp: 84126

Ion Ratio Lower Upper

98 100

100 61.1 51.7 77.5

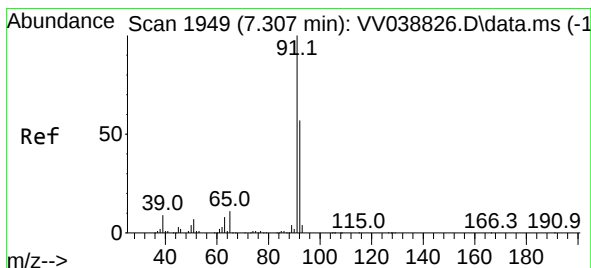
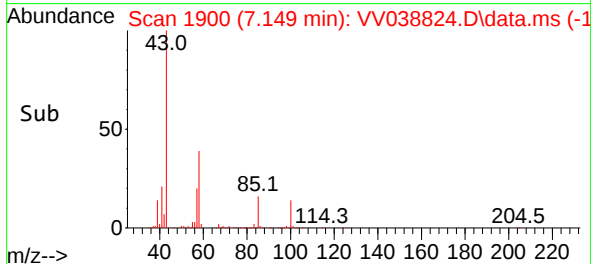
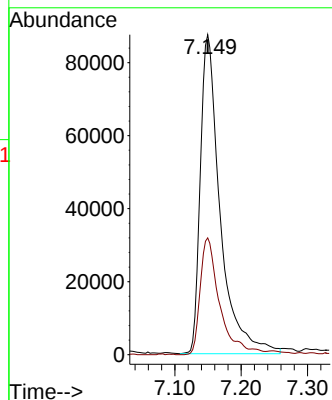
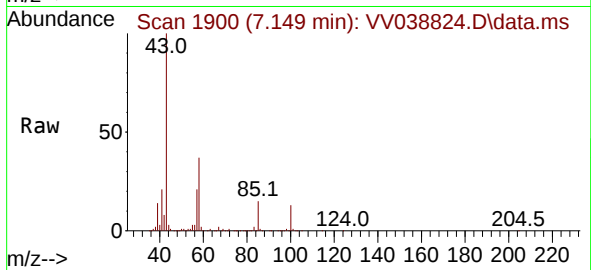




#51
4-Methyl-2-Pentanone
Concen: 22.742 ug/l
RT: 7.149 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

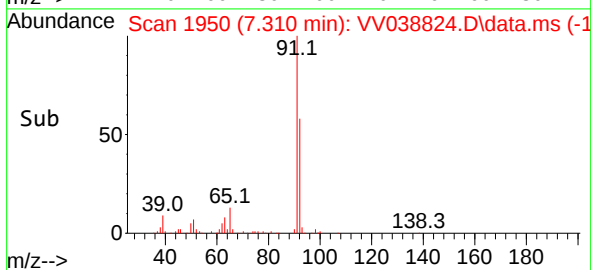
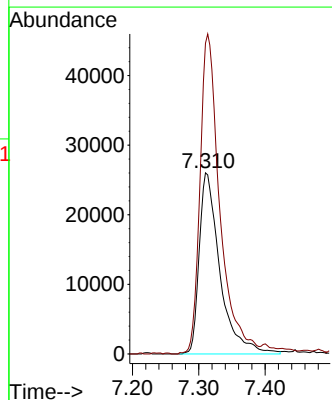
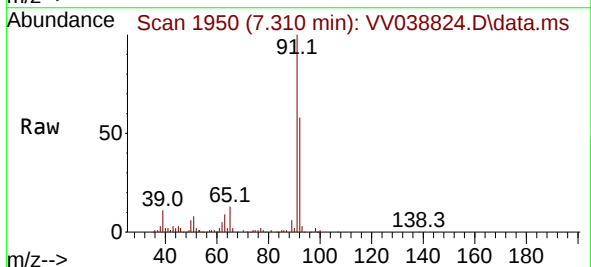
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

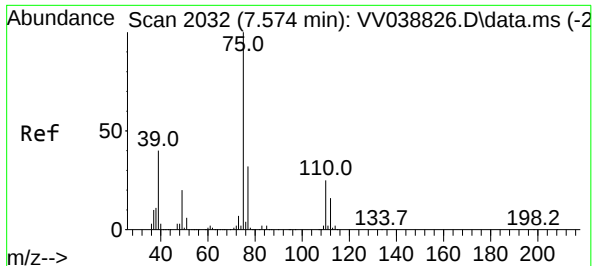
Tgt Ion: 43 Resp: 181357
Ion Ratio Lower Upper
43 100
58 35.1 31.4 47.2



#52
Toluene
Concen: 4.726 ug/l
RT: 7.310 min Scan# 1950
Delta R.T. 0.003 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

Tgt Ion: 92 Resp: 56584
Ion Ratio Lower Upper
92 100
91 168.2 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 4.518 ug/l

RT: 7.583 min Scan# 2032

Delta R.T. 0.009 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

Instrument :

MSVOA_V

ClientSampleId :

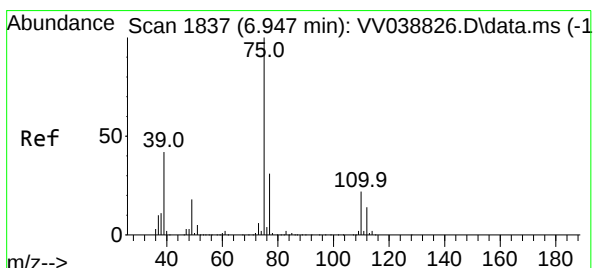
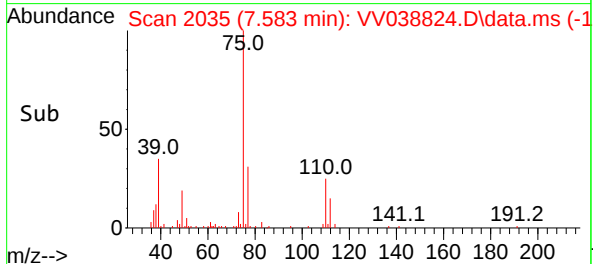
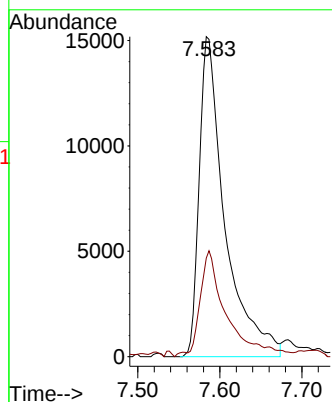
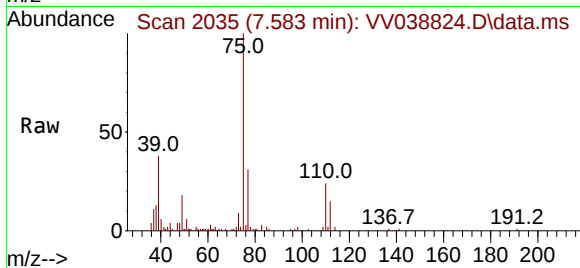
VSTDIC005

Tgt Ion: 75 Resp: 32951

Ion Ratio Lower Upper

75 100

77 29.6 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 4.519 ug/l

RT: 6.956 min Scan# 1840

Delta R.T. 0.009 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

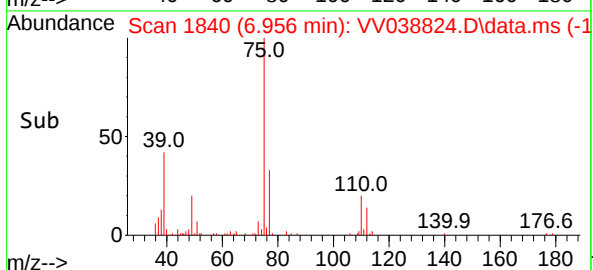
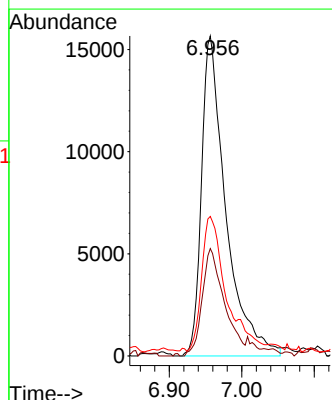
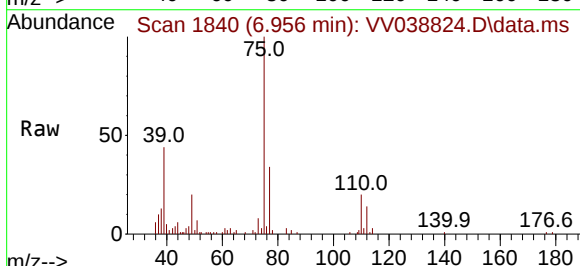
Tgt Ion: 75 Resp: 36452

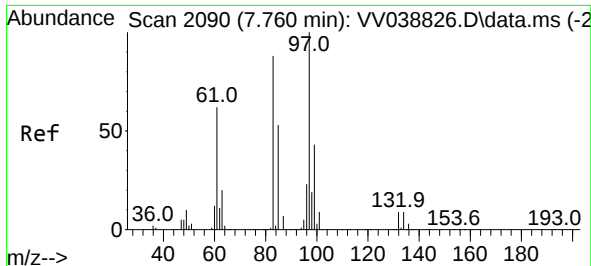
Ion Ratio Lower Upper

75 100

77 33.5 25.1 37.7

39 42.0 33.8 50.6





#55

1,1,2-Trichloroethane

Concen: 5.050 ug/l

RT: 7.767 min Scan# 2090

Delta R.T. 0.006 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 26089

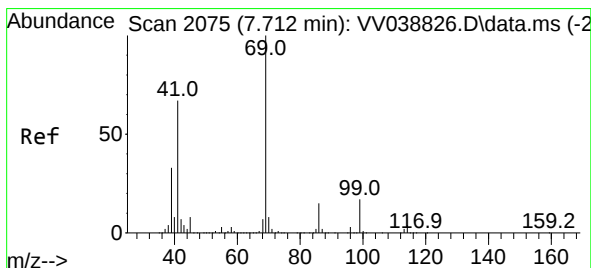
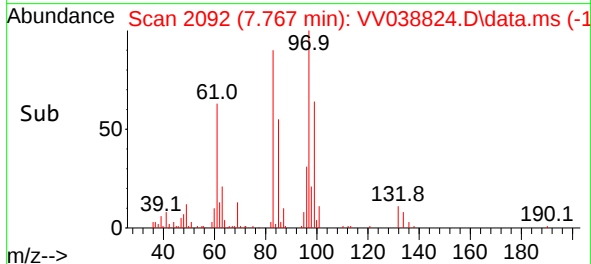
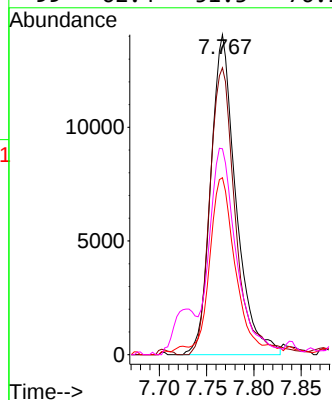
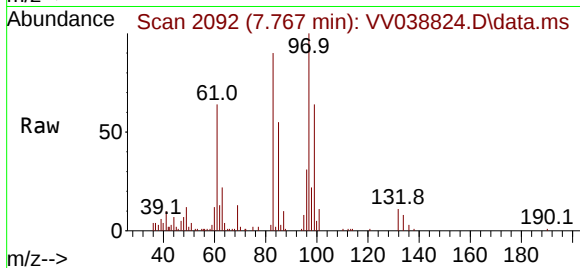
Ion Ratio Lower Upper

97 100

83 89.6 69.9 104.9

85 53.0 44.2 66.4

99 62.4 51.3 76.9



#56

Ethyl methacrylate

Concen: 3.720 ug/l

RT: 7.722 min Scan# 2078

Delta R.T. 0.010 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

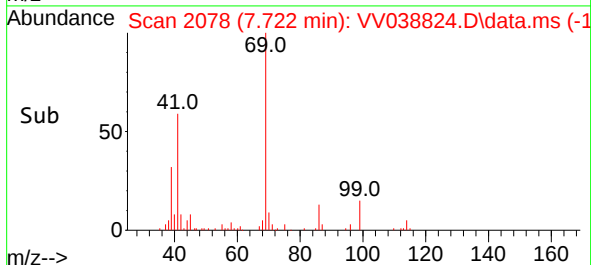
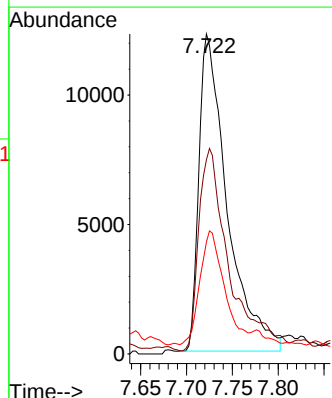
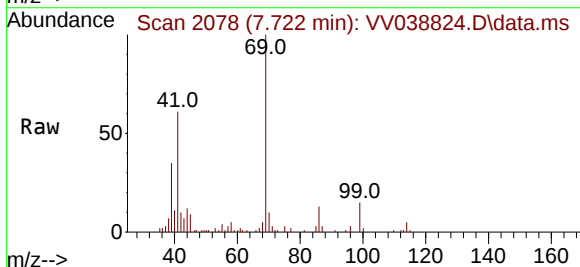
Tgt Ion: 69 Resp: 26180

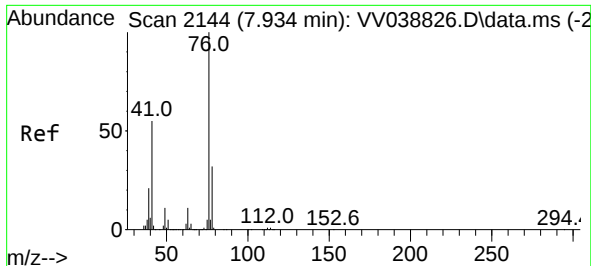
Ion Ratio Lower Upper

69 100

41 68.5 52.2 78.4

39 30.9 26.1 39.1





#57

1,3-Dichloropropane

Concen: 4.966 ug/l

RT: 7.940 min Scan# 2144

Delta R.T. 0.006 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

Instrument :

MSVOA_V

ClientSampleId :

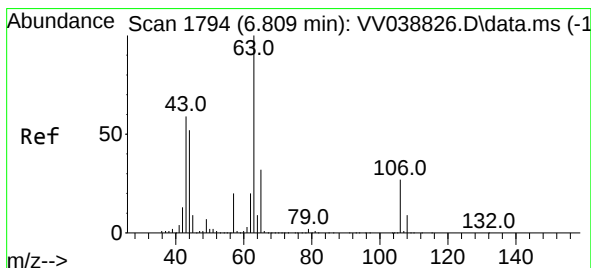
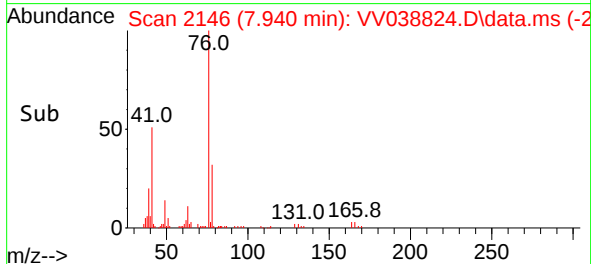
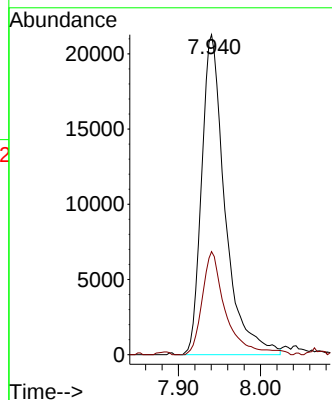
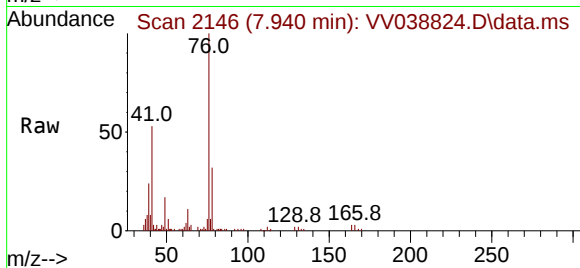
VSTDIC005

Tgt Ion: 76 Resp: 42217

Ion Ratio Lower Upper

76 100

78 32.2 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 20.713 ug/l

RT: 6.815 min Scan# 1796

Delta R.T. 0.006 min

Lab File: VV038824.D

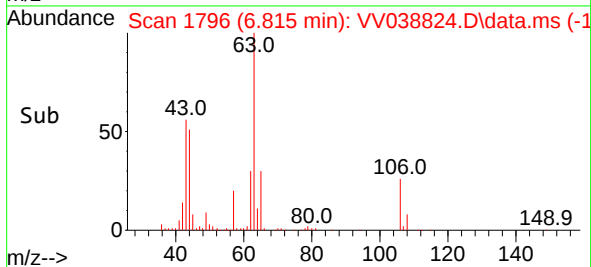
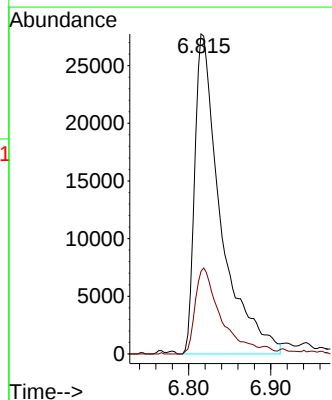
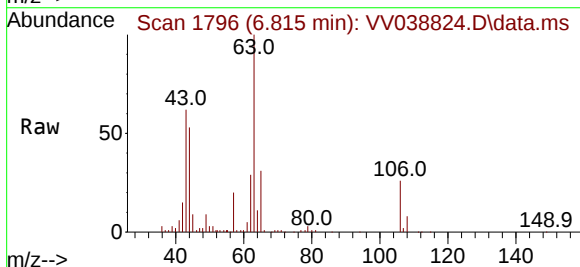
Acq: 27 Jun 2025 09:17

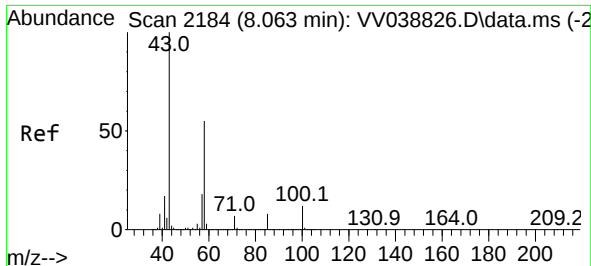
Tgt Ion: 63 Resp: 60969

Ion Ratio Lower Upper

63 100

106 26.0 21.1 31.7

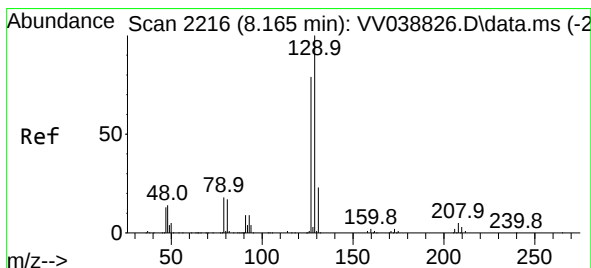
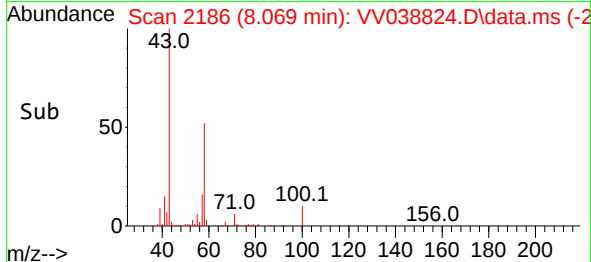
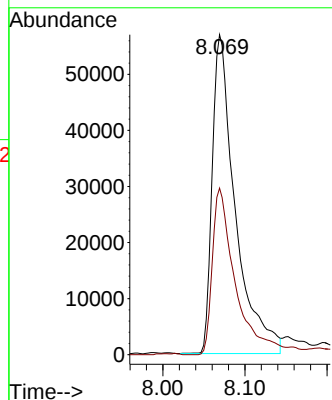
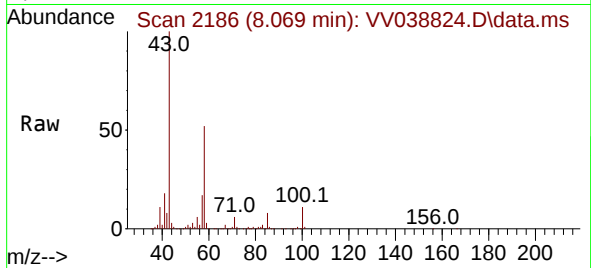




#59
2-Hexanone
Concen: 19.771 ug/l
RT: 8.069 min Scan# 2186
Delta R.T. 0.006 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

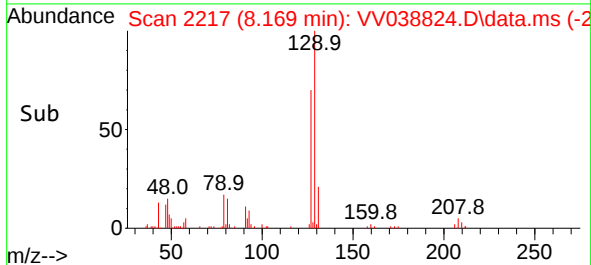
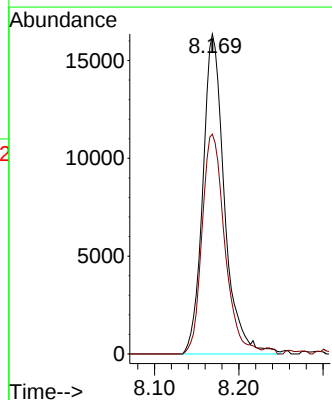
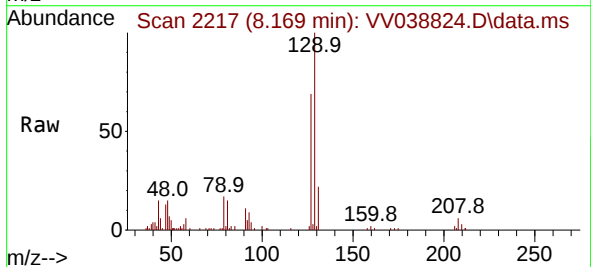
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

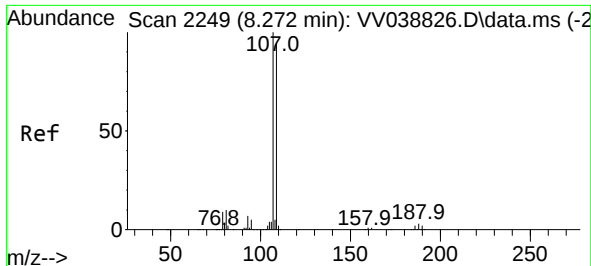
Tgt Ion: 43 Resp: 111062
Ion Ratio Lower Upper
43 100
58 52.3 27.5 82.4



#60
Dibromochloromethane
Concen: 4.882 ug/l
RT: 8.169 min Scan# 2217
Delta R.T. 0.003 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

Tgt Ion: 129 Resp: 29243
Ion Ratio Lower Upper
129 100
127 72.0 39.4 118.1

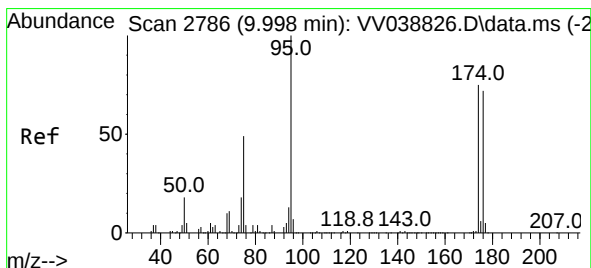
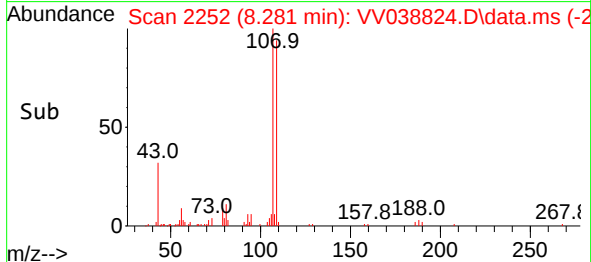
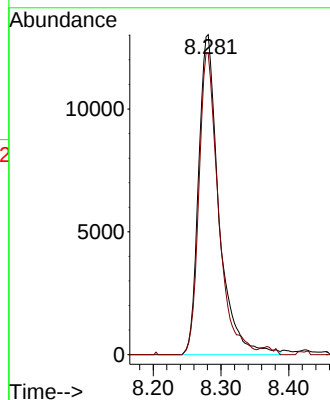
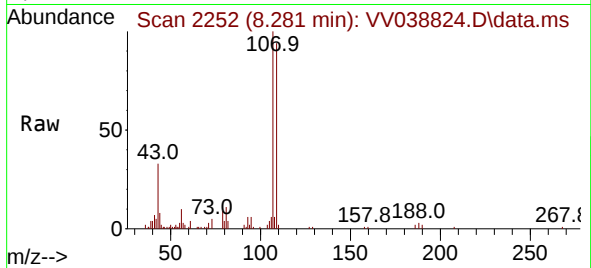




#61
1,2-Dibromoethane
Concen: 5.080 ug/l
RT: 8.281 min Scan# 211
Delta R.T. 0.010 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

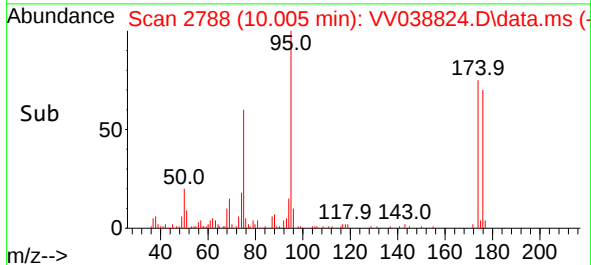
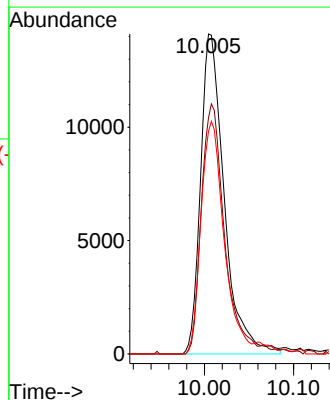
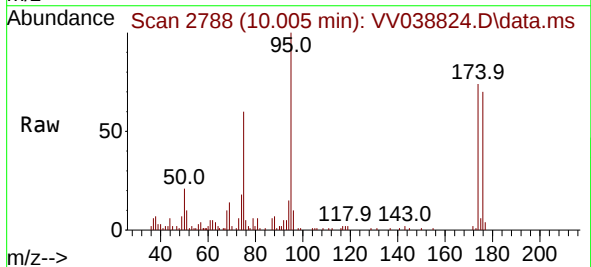
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

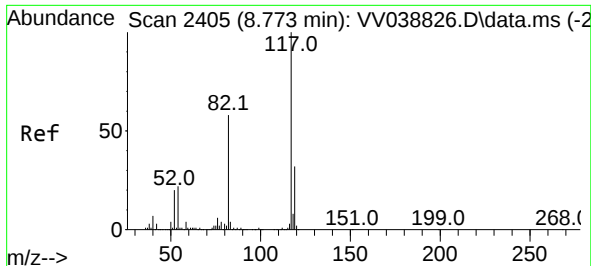
Tgt Ion:107 Resp: 27086
Ion Ratio Lower Upper
107 100
109 91.0 75.4 113.0



#62
4-Bromofluorobenzene
Concen: 4.572 ug/l
RT: 10.005 min Scan# 2788
Delta R.T. 0.006 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

Tgt Ion: 95 Resp: 26054
Ion Ratio Lower Upper
95 100
174 76.1 0.0 151.0
176 70.8 0.0 145.0

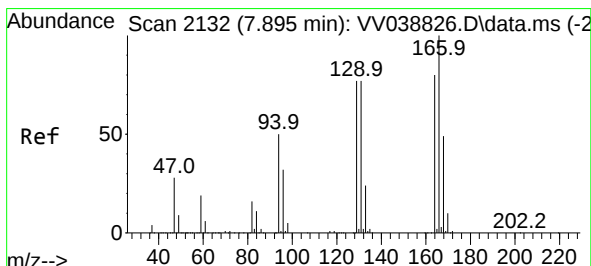
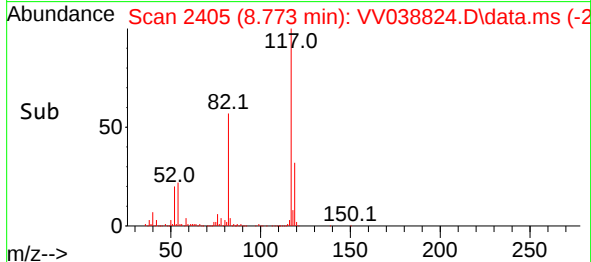
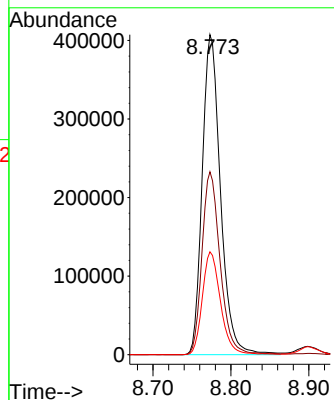
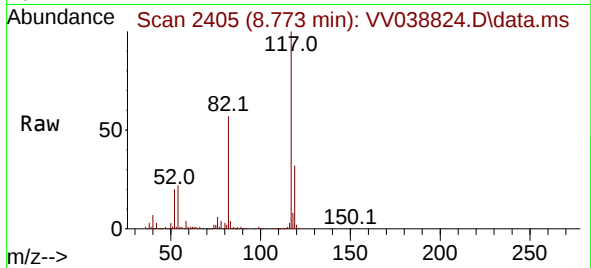




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

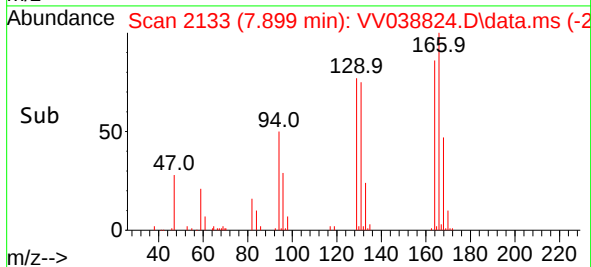
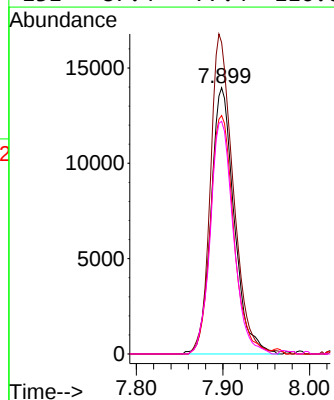
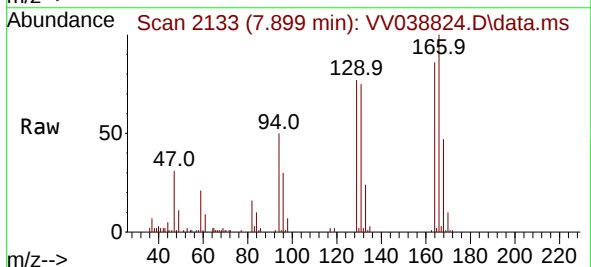
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

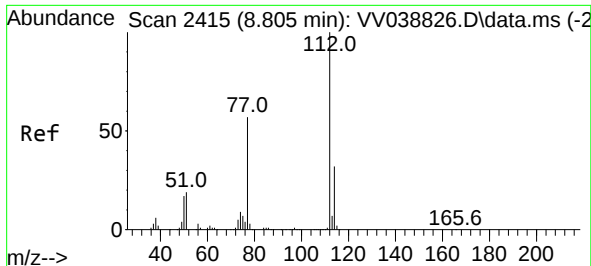
Tgt Ion:117	Resp: 665094		
Ion Ratio	Lower	Upper	
117 100			
82 57.2	46.2	69.2	
119 32.2	25.8	38.8	



#64
Tetrachloroethene
Concen: 5.608 ug/l
RT: 7.899 min Scan# 2133
Delta R.T. 0.003 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

Tgt	Ion:164	Resp:	26030
Ion	Ratio	Lower	Upper
164	100		
166	117.0	100.3	150.5
129	89.6	77.5	116.3
131	87.4	77.4	116.0

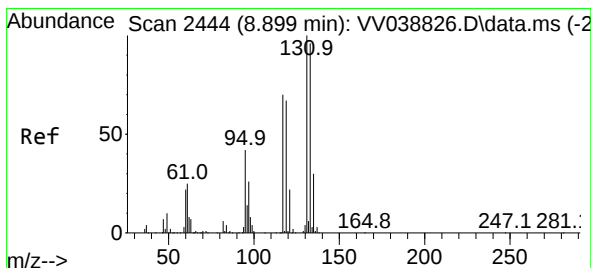
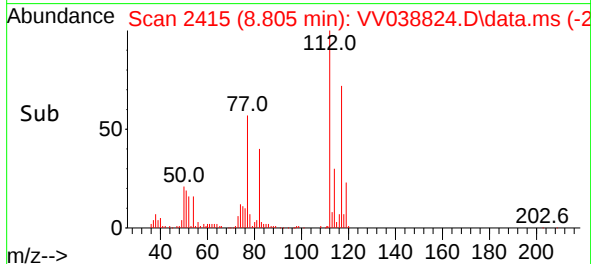
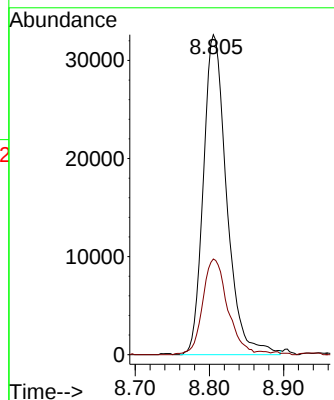
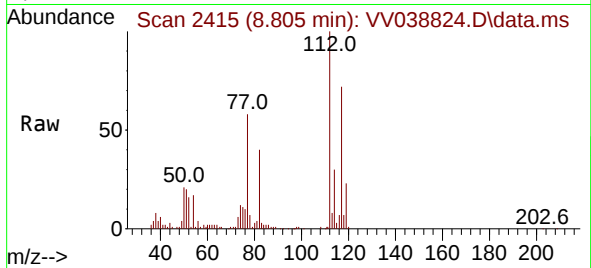




#65
Chlorobenzene
Concen: 4.893 ug/l
RT: 8.805 min Scan# 2415
Delta R.T. -0.000 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

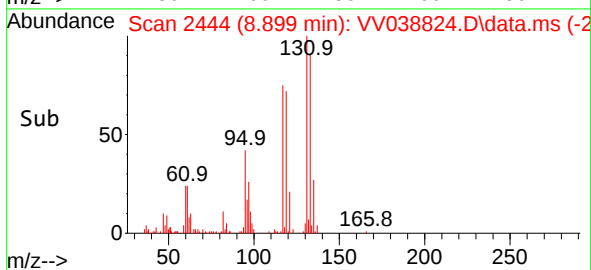
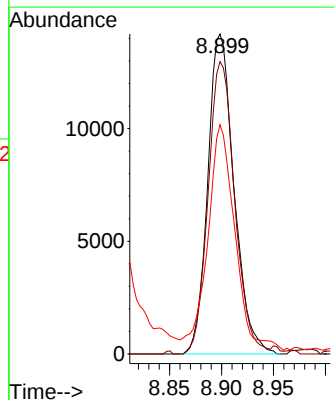
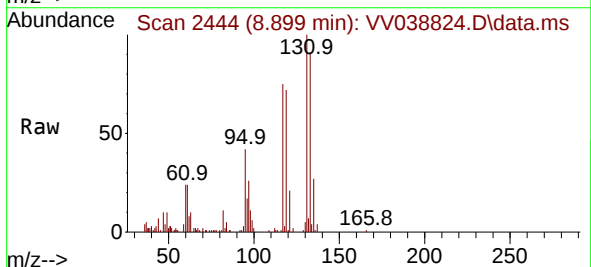
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

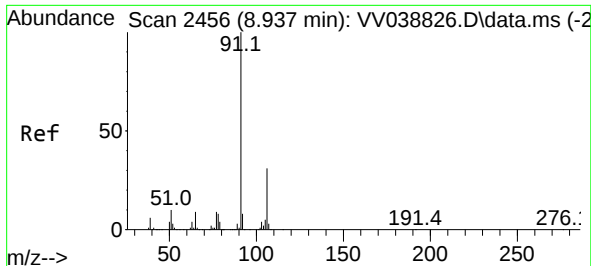
Tgt Ion:112 Resp: 71168
Ion Ratio Lower Upper
112 100
114 29.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 4.854 ug/l
RT: 8.899 min Scan# 2444
Delta R.T. -0.000 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

Tgt Ion:131 Resp: 24964
Ion Ratio Lower Upper
131 100
133 92.6 48.1 144.4
119 73.3 34.2 102.5





#67

Ethyl Benzene

Concen: 4.207 ug/l

RT: 8.940 min Scan# 2456

Delta R.T. 0.003 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

Instrument :

MSVOA_V

ClientSampleId :

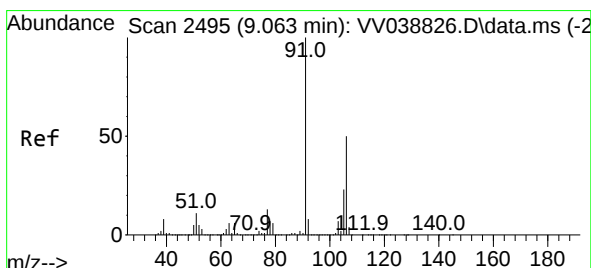
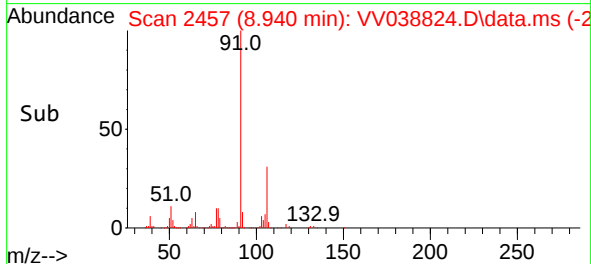
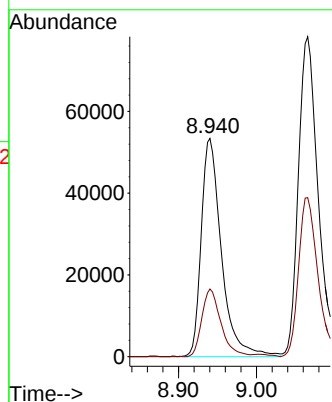
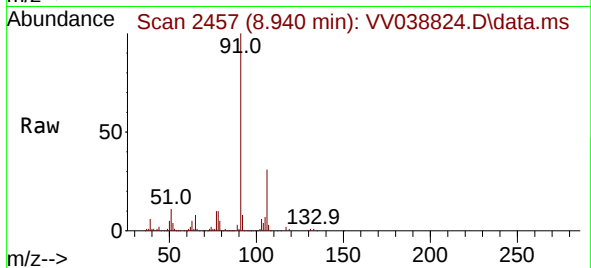
VSTDIC005

Tgt Ion: 91 Resp: 96296

Ion Ratio Lower Upper

91 100

106 31.0 25.0 37.6



#68

m/p-Xylenes

Concen: 8.190 ug/l

RT: 9.066 min Scan# 2496

Delta R.T. 0.003 min

Lab File: VV038824.D

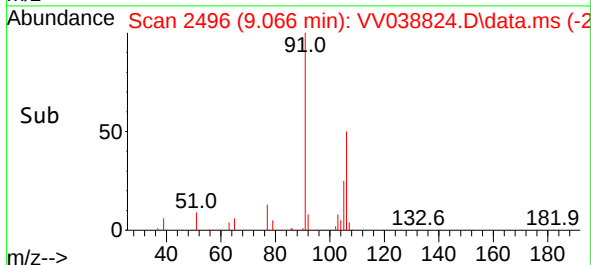
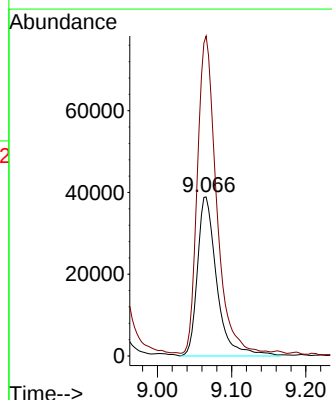
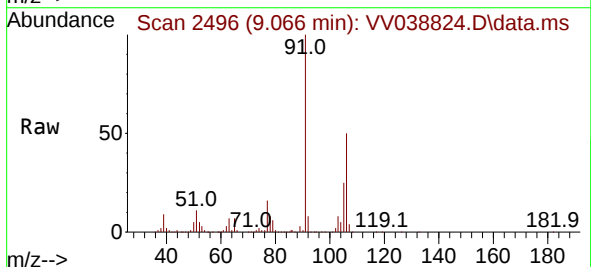
Acq: 27 Jun 2025 09:17

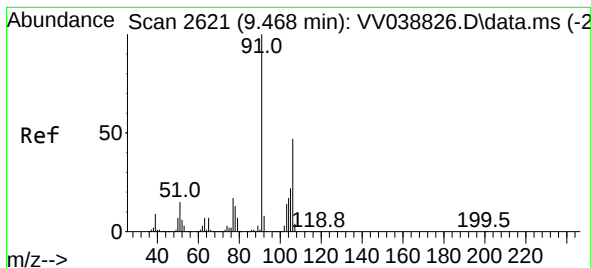
Tgt Ion: 106 Resp: 70607

Ion Ratio Lower Upper

106 100

91 196.3 161.8 242.8





#69

o-Xylene

Concen: 4.072 ug/l

RT: 9.471 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

Instrument :

MSVOA_V

ClientSampleId :

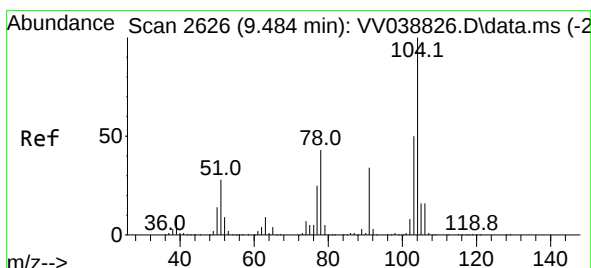
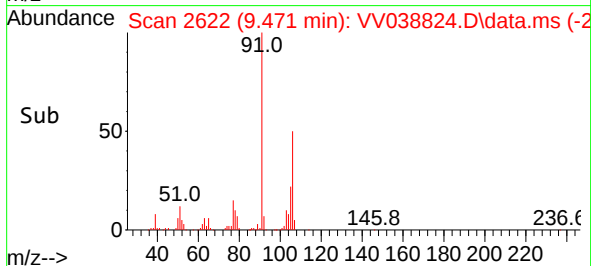
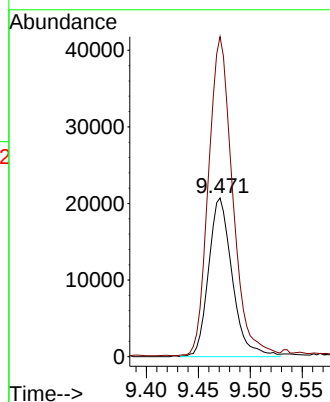
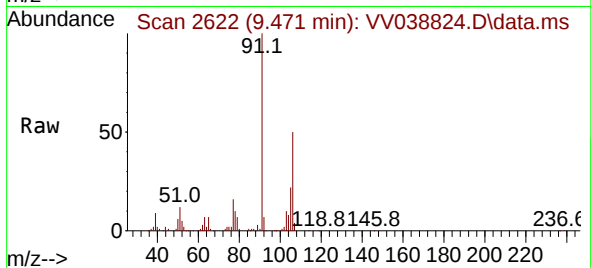
VSTDIC005

Tgt Ion:106 Resp: 32835

Ion Ratio Lower Upper

106 100

91 204.8 106.1 318.1



#70

Styrene

Concen: 3.786 ug/l

RT: 9.493 min Scan# 2629

Delta R.T. 0.010 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

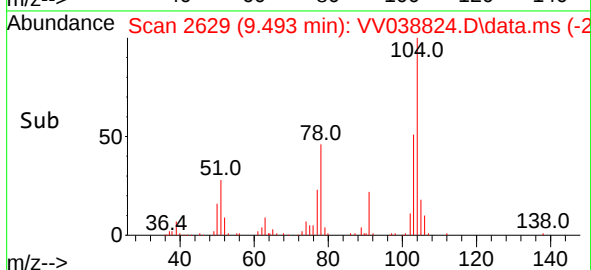
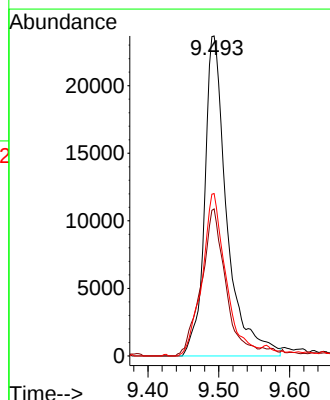
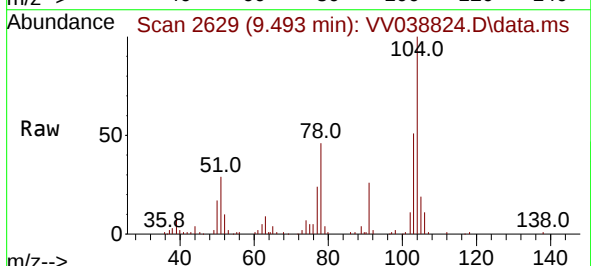
Tgt Ion:104 Resp: 51564

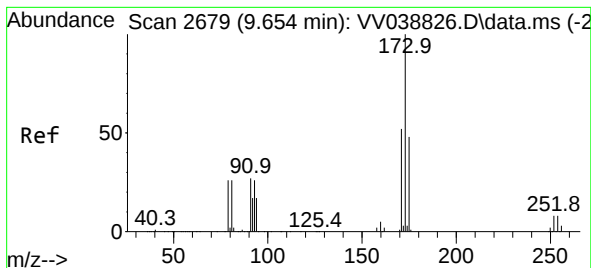
Ion Ratio Lower Upper

104 100

78 50.5 38.8 58.2

103 54.6 43.4 65.2





#71

Bromoform

Concen: 4.461 ug/l

RT: 9.657 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

Instrument :

MSVOA_V

ClientSampleId :

VSTDICC005

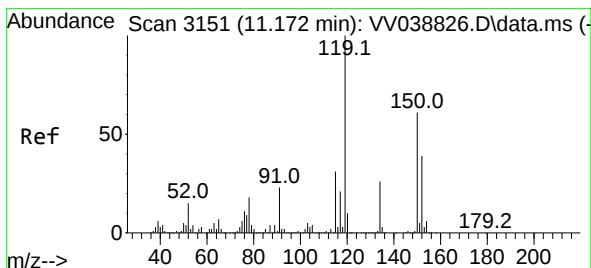
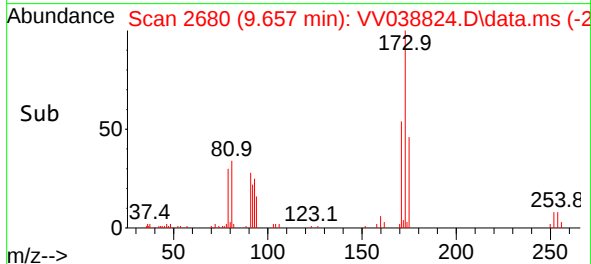
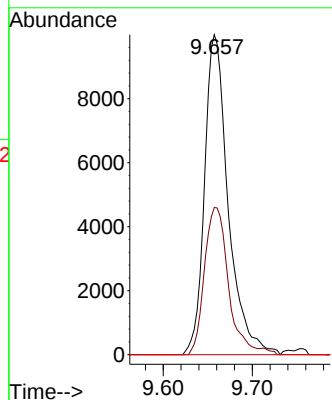
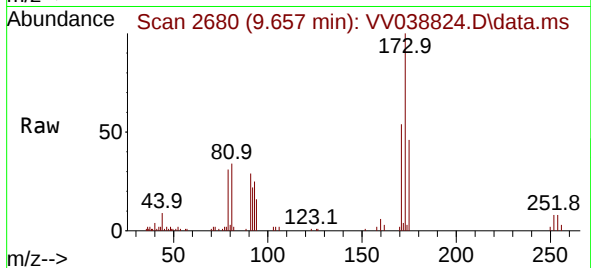
Tgt Ion:173 Resp: 18483

Ion Ratio Lower Upper

173 100

175 47.0 24.1 72.2

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.172 min Scan# 3151

Delta R.T. -0.000 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

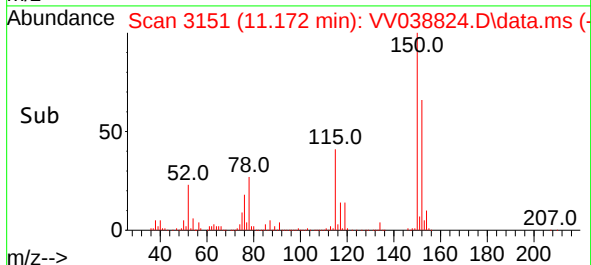
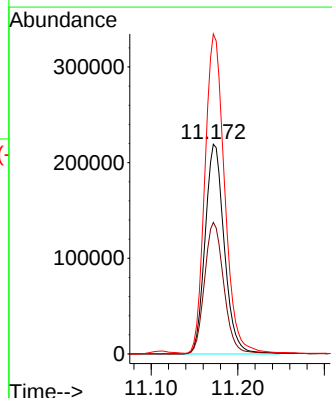
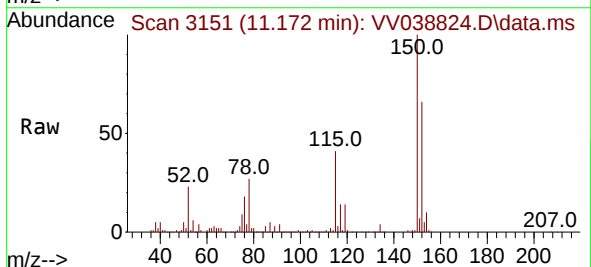
Tgt Ion:152 Resp: 337705

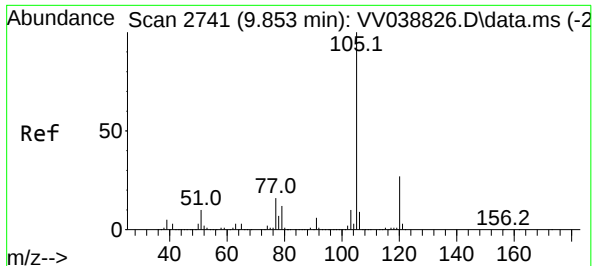
Ion Ratio Lower Upper

152 100

115 63.7 41.3 123.7

150 156.5 0.0 344.6

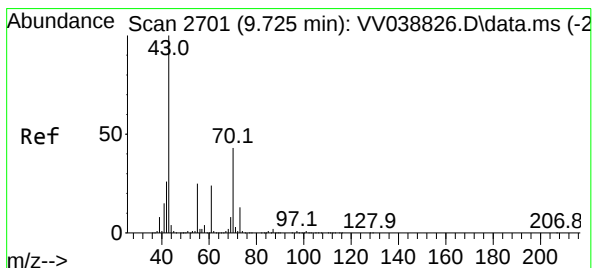
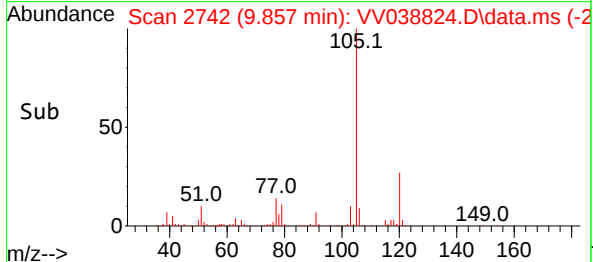
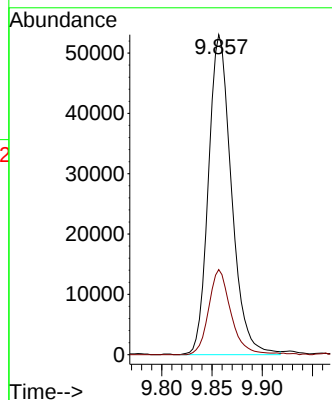
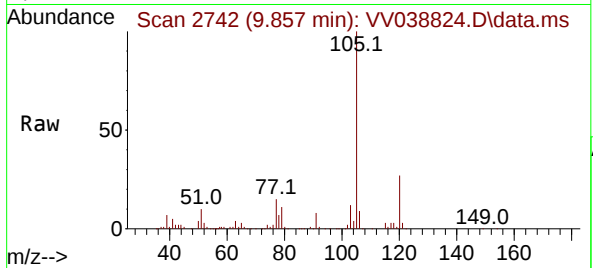




#73
Isopropylbenzene
Concen: 4.103 ug/l
RT: 9.857 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

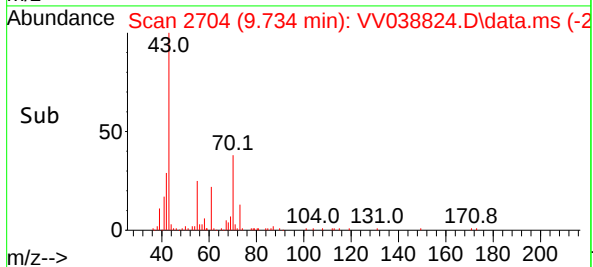
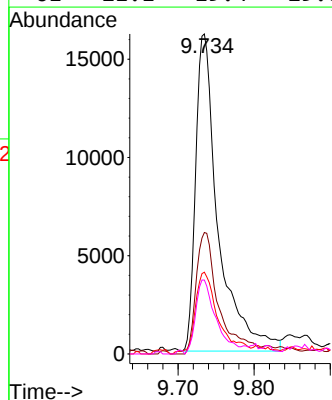
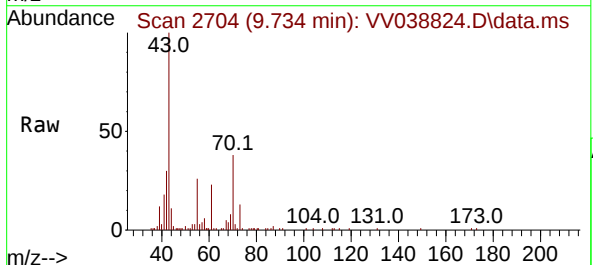
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

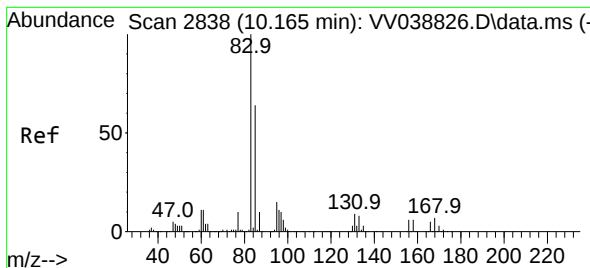
Tgt Ion:105 Resp: 84484
Ion Ratio Lower Upper
105 100
120 26.0 13.2 39.6



#74
N-ethyl acetate
Concen: 3.718 ug/l
RT: 9.734 min Scan# 2704
Delta R.T. 0.010 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

Tgt Ion: 43 Resp: 33377
Ion Ratio Lower Upper
43 100
70 38.3 34.4 51.6
55 26.3 20.0 30.0
61 21.1 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 4.827 ug/l

RT: 10.169 min Scan# 2838

Delta R.T. 0.003 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

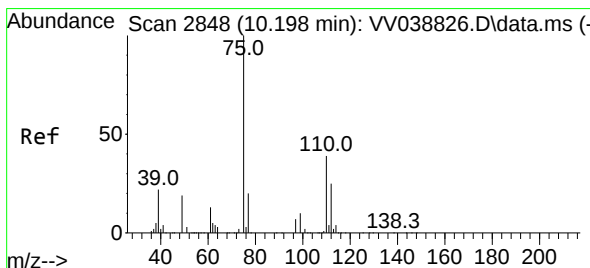
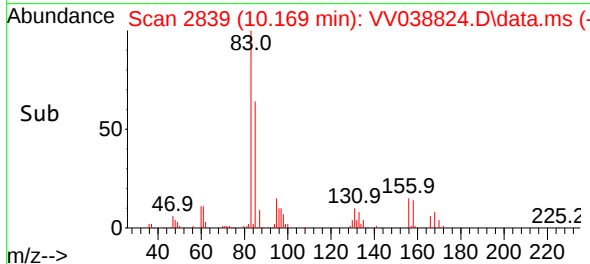
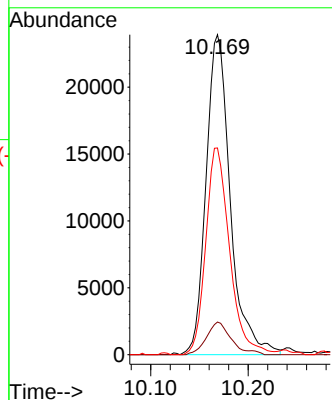
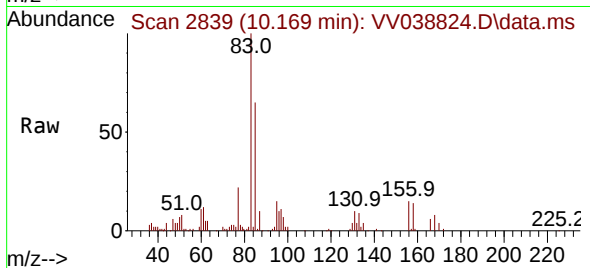
Tgt Ion: 83 Resp: 41386

Ion Ratio Lower Upper

83 100

131 10.4 4.5 13.4

85 63.6 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 4.508 ug/l

RT: 10.201 min Scan# 2849

Delta R.T. 0.003 min

Lab File: VV038824.D

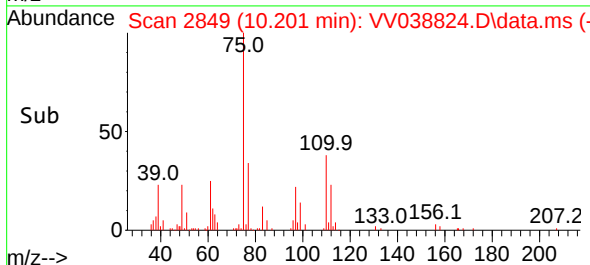
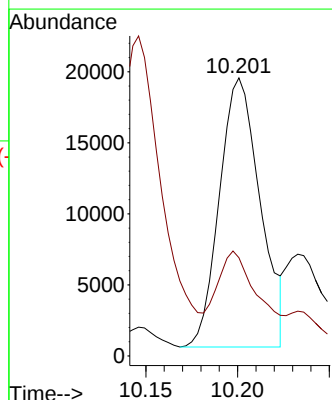
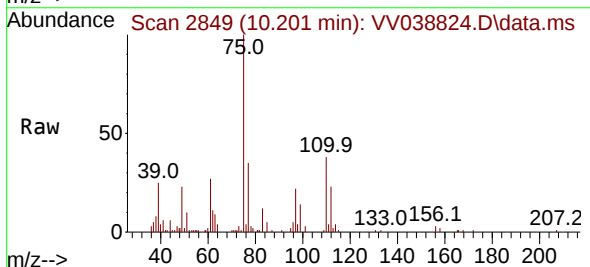
Acq: 27 Jun 2025 09:17

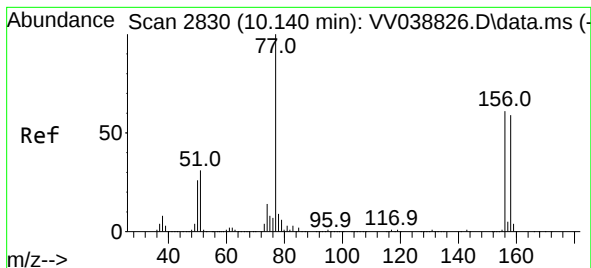
Tgt Ion: 75 Resp: 29266

Ion Ratio Lower Upper

75 100

77 22.6 17.3 52.0





#77

Bromobenzene

Concen: 4.669 ug/l

RT: 10.146 min Scan# 2830

Delta R.T. 0.006 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

Instrument :

MSVOA_V

ClientSampleId :

VSTDICC005

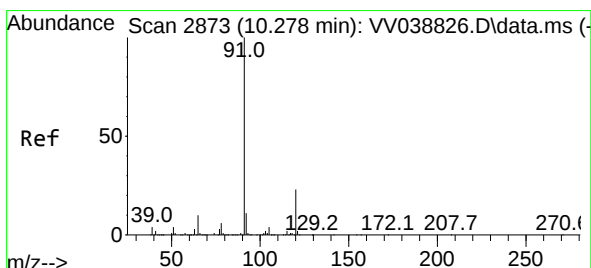
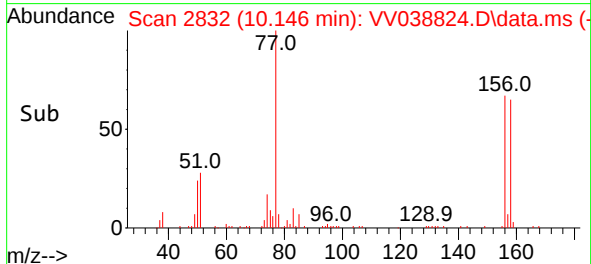
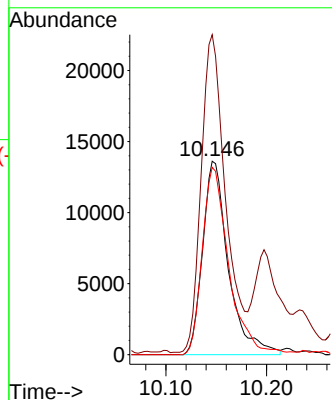
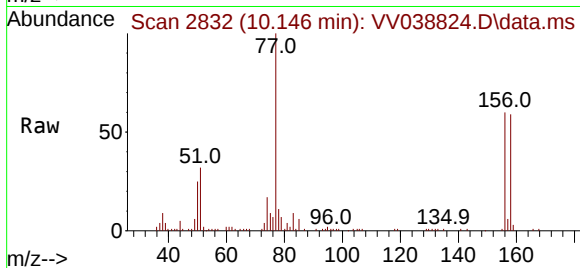
Tgt Ion:156 Resp: 24236

Ion Ratio Lower Upper

156 100

77 155.0 81.5 244.6

158 100.0 48.0 144.0



#78

n-propylbenzene

Concen: 4.095 ug/l

RT: 10.278 min Scan# 2873

Delta R.T. -0.000 min

Lab File: VV038824.D

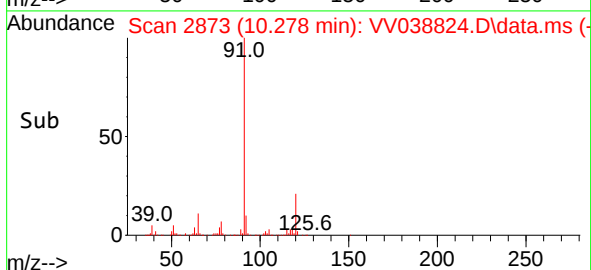
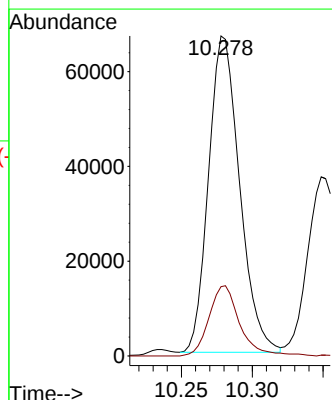
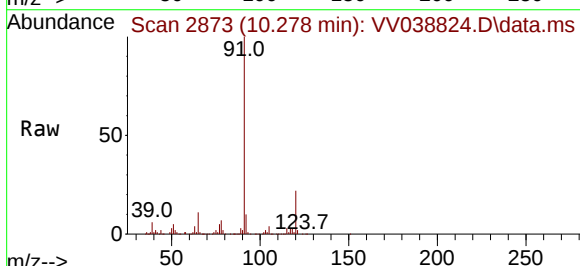
Acq: 27 Jun 2025 09:17

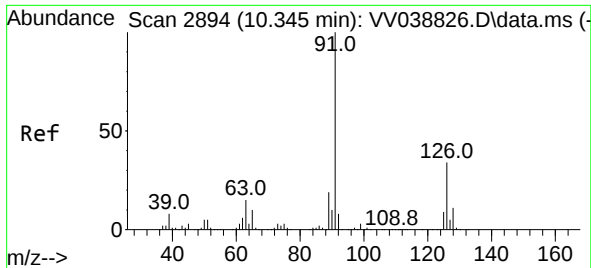
Tgt Ion: 91 Resp: 101976

Ion Ratio Lower Upper

91 100

120 22.0 11.4 34.2

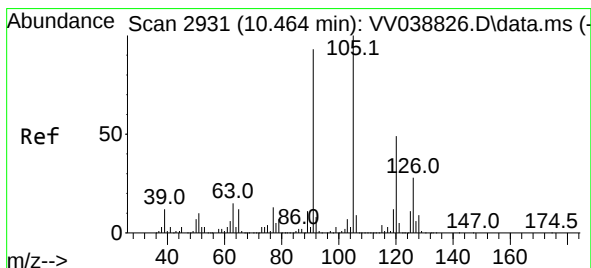
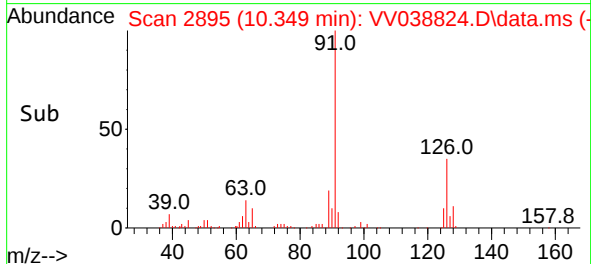
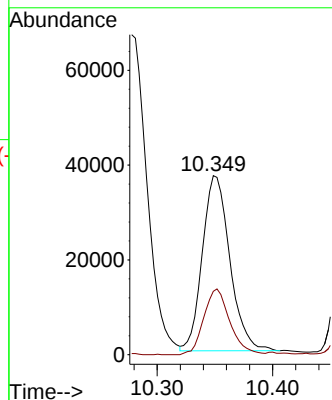
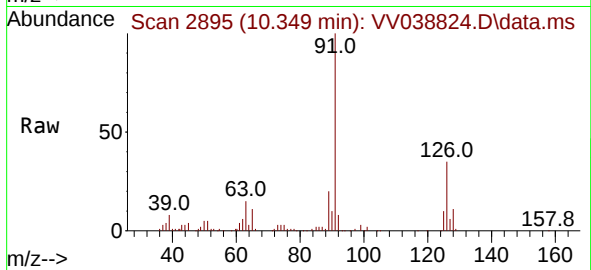




#79
2-Chlorotoluene
Concen: 4.128 ug/l
RT: 10.349 min Scan# 2895
Delta R.T. 0.003 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

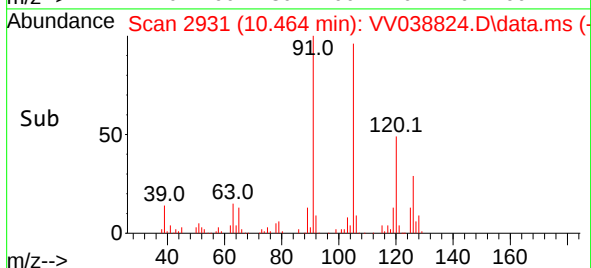
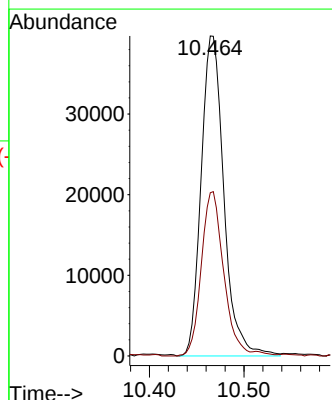
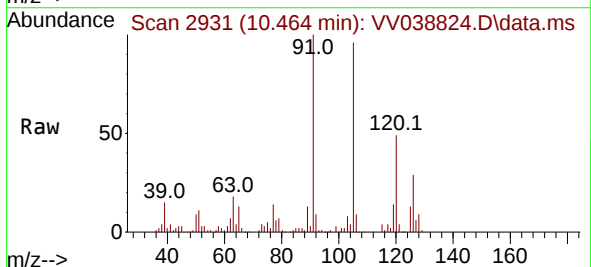
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

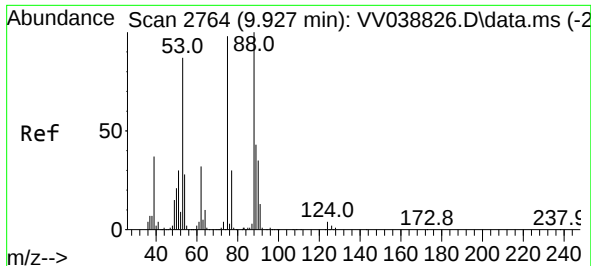
Tgt Ion: 91 Resp: 61152
Ion Ratio Lower Upper
91 100
126 35.5 17.1 51.2



#80
1,3,5-Trimethylbenzene
Concen: 3.878 ug/l
RT: 10.464 min Scan# 2931
Delta R.T. -0.000 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

Tgt Ion: 105 Resp: 66343
Ion Ratio Lower Upper
105 100
120 50.2 24.6 73.6

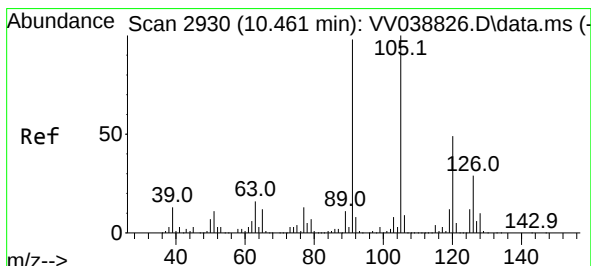
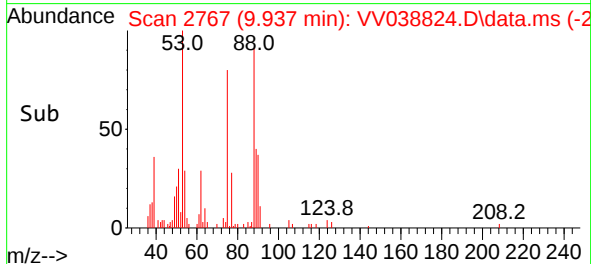
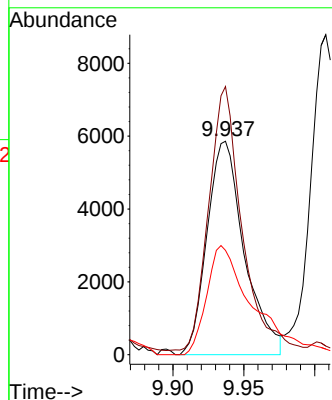
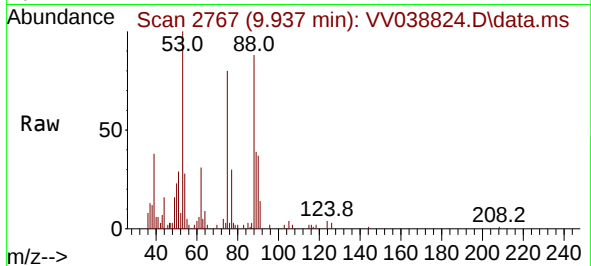




#81
trans-1,4-Dichloro-2-butene
Concen: 3.821 ug/l
RT: 9.937 min Scan# 21
Delta R.T. 0.010 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

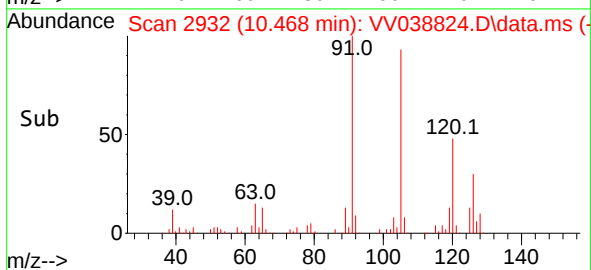
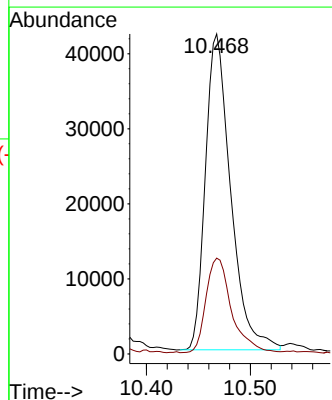
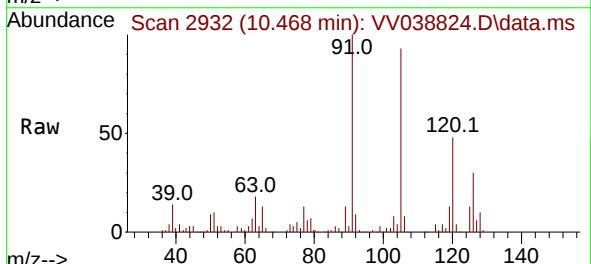
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

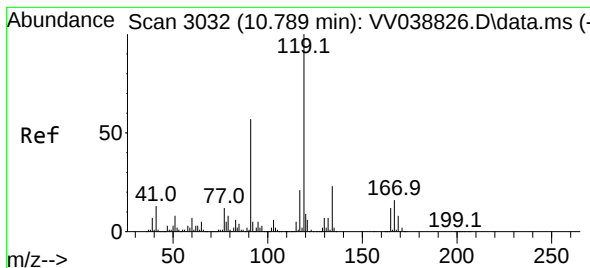
Tgt Ion: 75 Resp: 10710
Ion Ratio Lower Upper
75 100
53 109.3 72.6 109.0#
89 63.6 37.0 55.6#



#82
4-Chlorotoluene
Concen: 4.161 ug/l
RT: 10.468 min Scan# 2932
Delta R.T. 0.006 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

Tgt Ion: 91 Resp: 71079
Ion Ratio Lower Upper
91 100
126 30.0 15.1 45.3





#83

tert-Butylbenzene

Concen: 4.083 ug/l

RT: 10.789 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

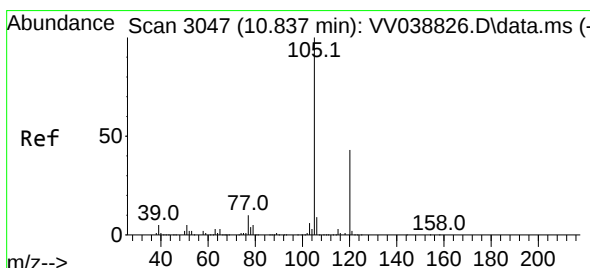
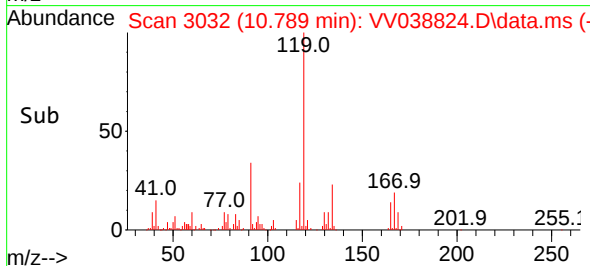
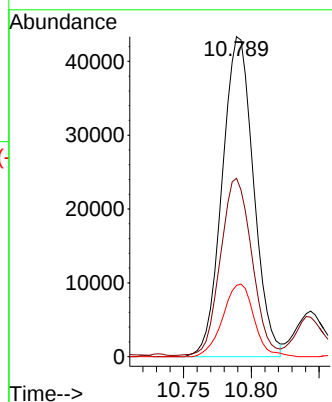
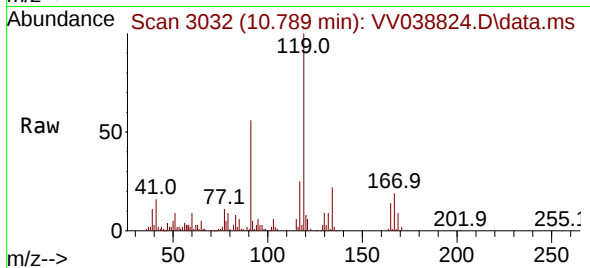
Tgt Ion:119 Resp: 69667

Ion Ratio Lower Upper

119 100

91 55.4 28.2 84.6

134 22.6 11.5 34.5



#84

1,2,4-Trimethylbenzene

Concen: 3.846 ug/l

RT: 10.841 min Scan# 3048

Delta R.T. 0.003 min

Lab File: VV038824.D

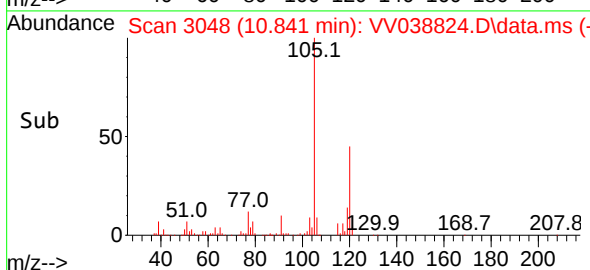
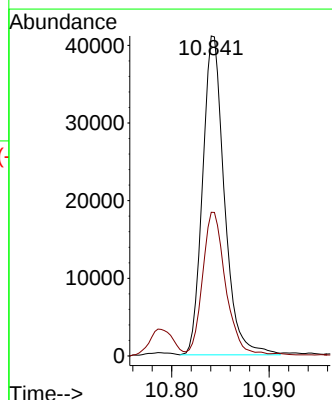
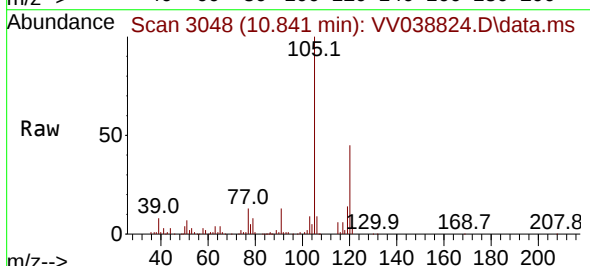
Acq: 27 Jun 2025 09:17

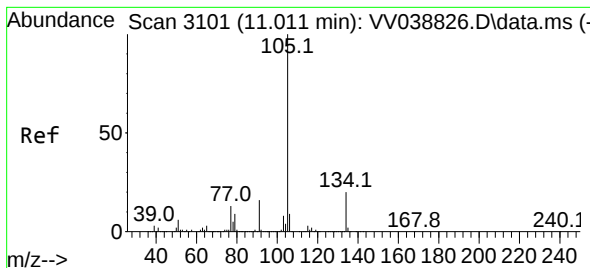
Tgt Ion:105 Resp: 63813

Ion Ratio Lower Upper

105 100

120 46.4 22.8 68.3





#85

sec-Butylbenzene

Concen: 4.061 ug/l

RT: 11.014 min Scan# 3101

Delta R.T. 0.003 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

Instrument :

MSVOA_V

ClientSampleId :

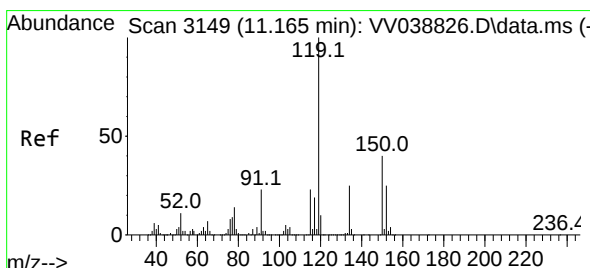
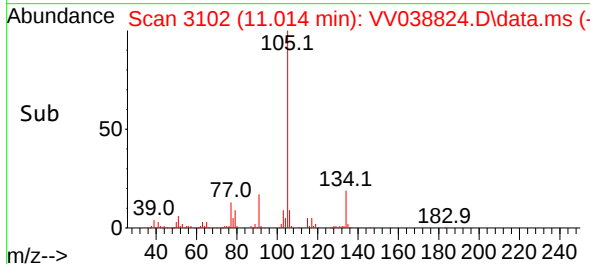
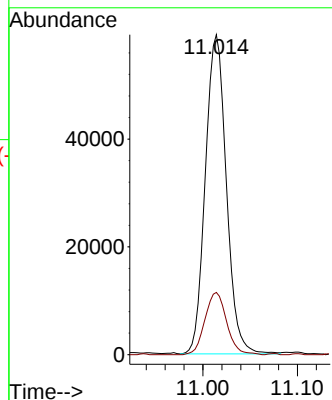
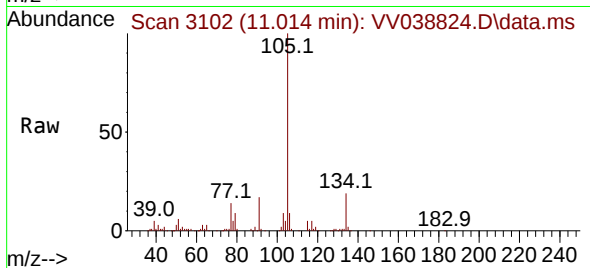
VSTDICC005

Tgt Ion:105 Resp: 91377

Ion Ratio Lower Upper

105 100

134 20.2 9.8 29.4



#86

p-Isopropyltoluene

Concen: 4.130 ug/l

RT: 11.169 min Scan# 3150

Delta R.T. 0.003 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

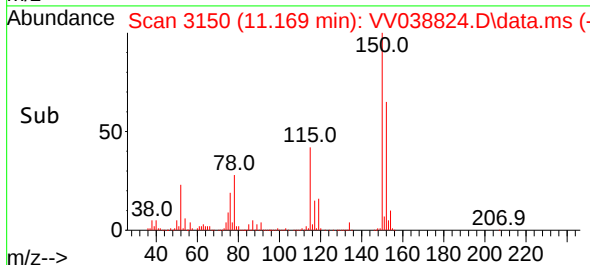
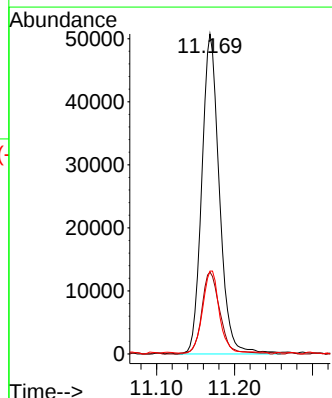
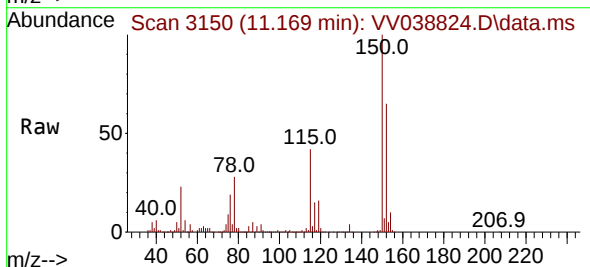
Tgt Ion:119 Resp: 79411

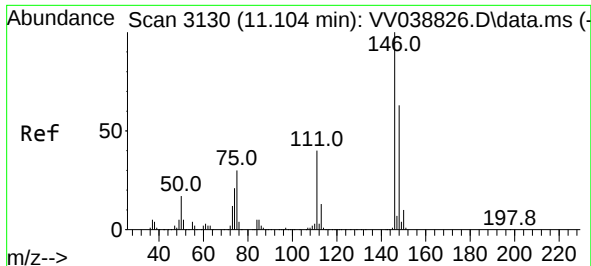
Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.6

91 24.5 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 4.738 ug/l

RT: 11.111 min Scan# 3132

Delta R.T. 0.006 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

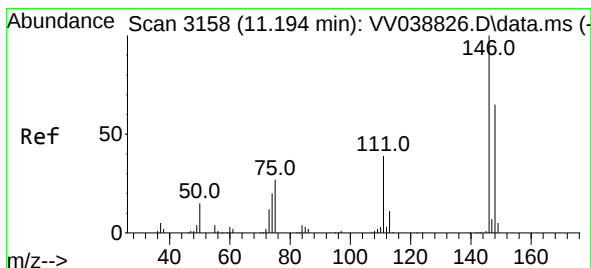
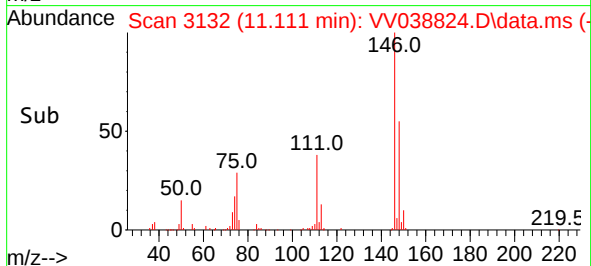
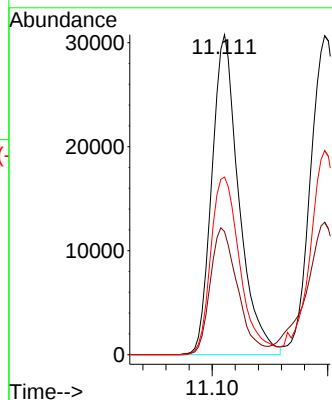
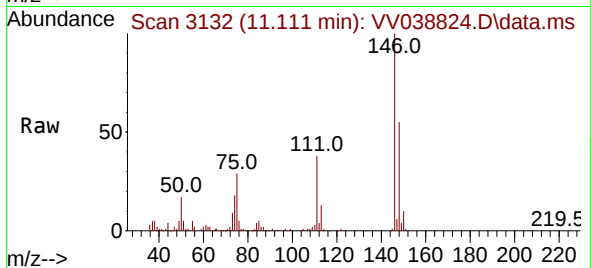
Tgt Ion:146 Resp: 50067

Ion Ratio Lower Upper

146 100

111 40.4 20.3 60.9

148 59.8 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 4.773 ug/l

RT: 11.197 min Scan# 3159

Delta R.T. 0.003 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

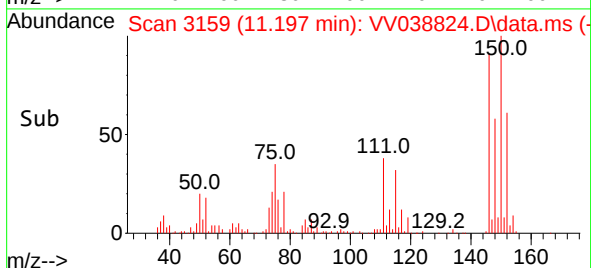
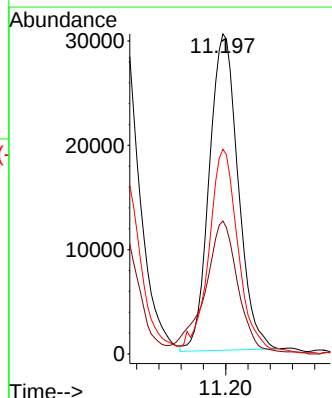
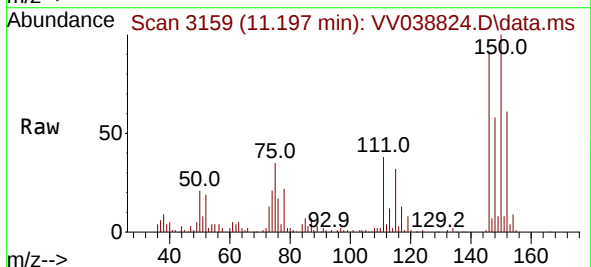
Tgt Ion:146 Resp: 54629

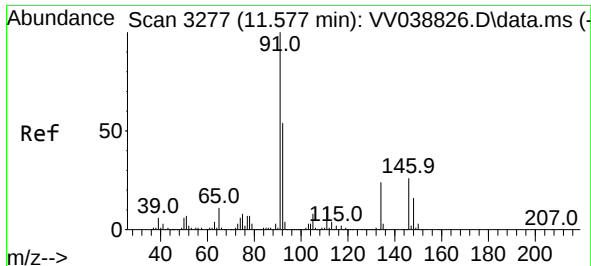
Ion Ratio Lower Upper

146 100

111 49.4 20.5 61.5

148 66.5 32.3 96.9

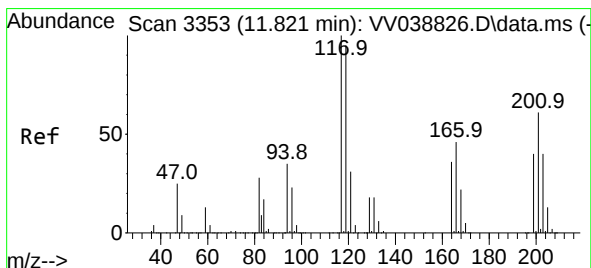
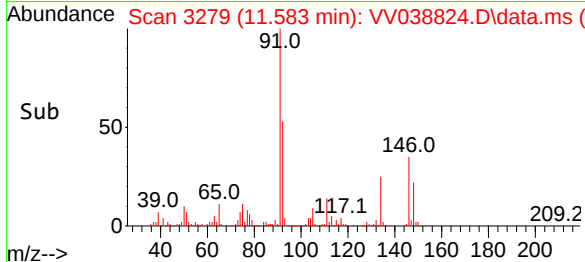
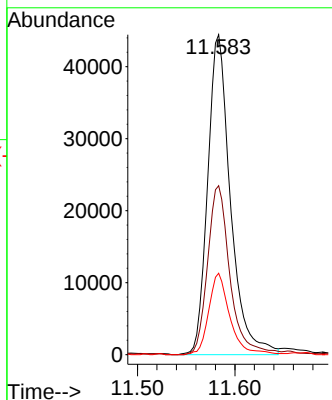
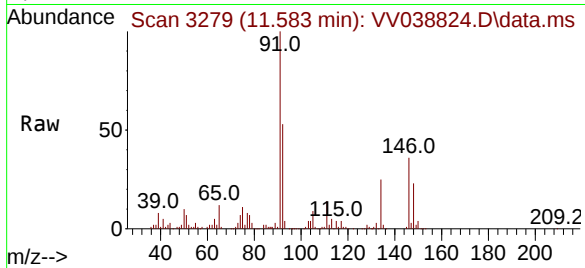




#89
n-Butylbenzene
Concen: 3.884 ug/l
RT: 11.583 min Scan# 31
Delta R.T. 0.006 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

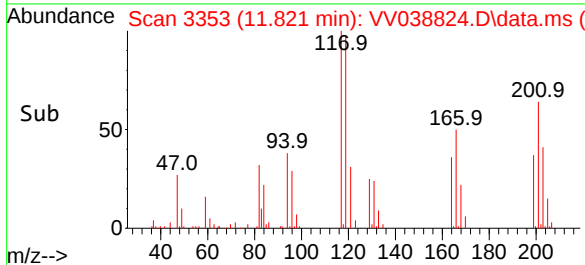
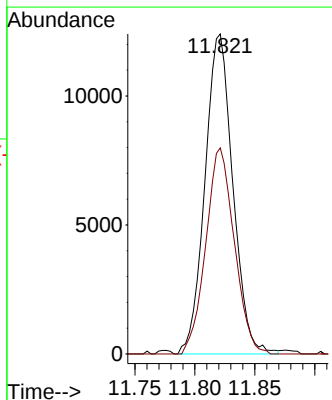
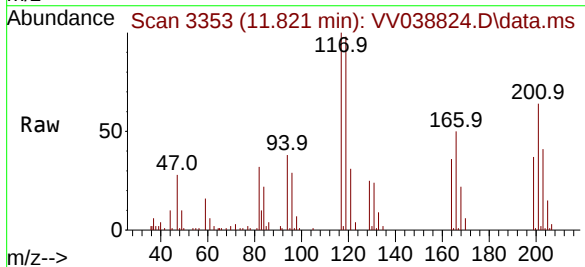
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC005

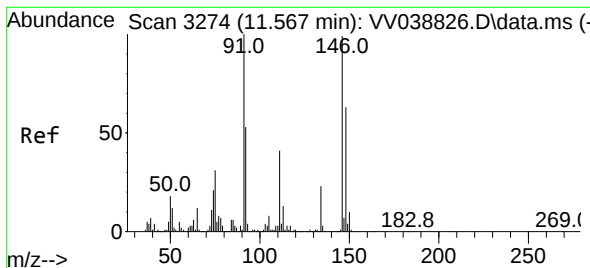
Tgt Ion: 91 Resp: 72317
Ion Ratio Lower Upper
91 100
92 51.9 26.6 79.7
134 23.7 12.3 36.8



#90
Hexachloroethane
Concen: 4.739 ug/l
RT: 11.821 min Scan# 3353
Delta R.T. -0.000 min
Lab File: VV038824.D
Acq: 27 Jun 2025 09:17

Tgt Ion: 117 Resp: 20061
Ion Ratio Lower Upper
117 100
201 65.7 31.4 94.0





#91

1,2-Dichlorobenzene

Concen: 4.478 ug/l

RT: 11.570 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

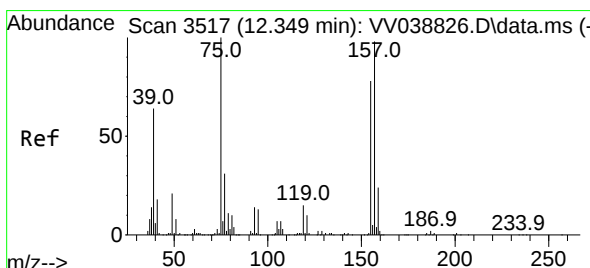
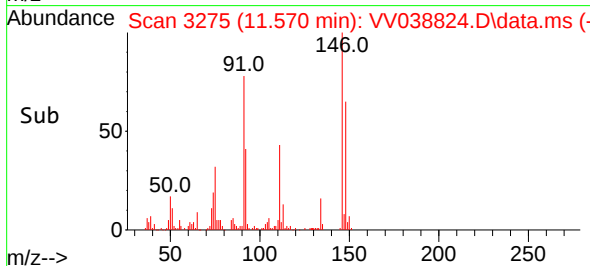
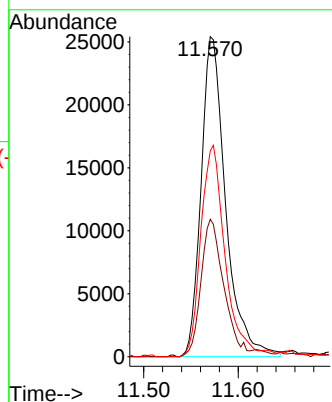
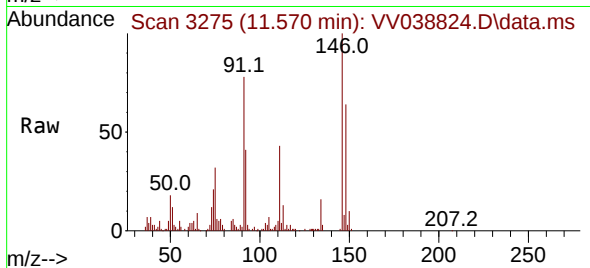
Tgt Ion:146 Resp: 45869

Ion Ratio Lower Upper

146 100

111 39.8 21.0 63.0

148 64.3 31.6 94.8



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.600 ug/l

RT: 12.355 min Scan# 3519

Delta R.T. 0.006 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

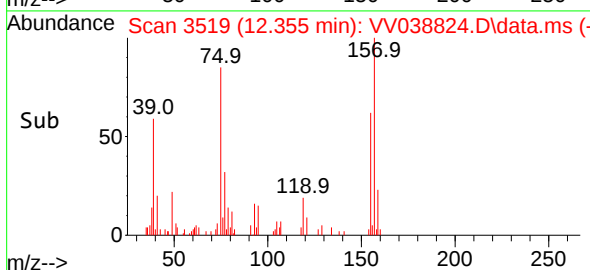
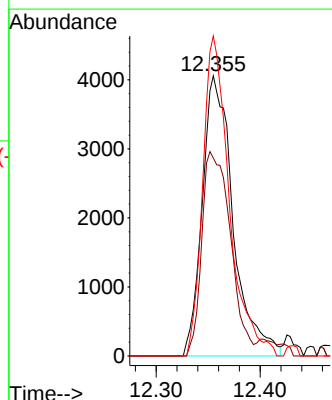
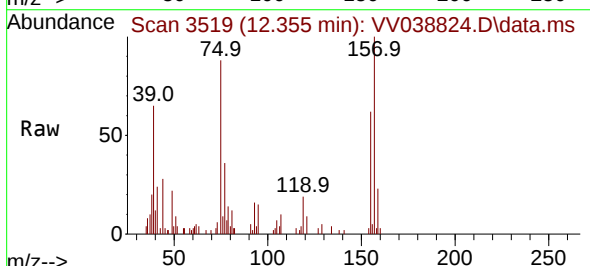
Tgt Ion: 75 Resp: 8360

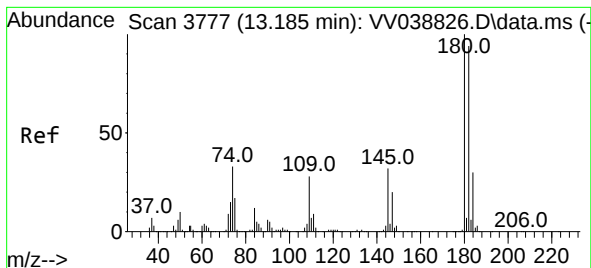
Ion Ratio Lower Upper

75 100

155 67.6 39.0 116.9

157 98.3 48.3 144.8





#93

1,2,4-Trichlorobenzene

Concen: 3.827 ug/l

RT: 13.191 min Scan# 3777

Delta R.T. 0.006 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

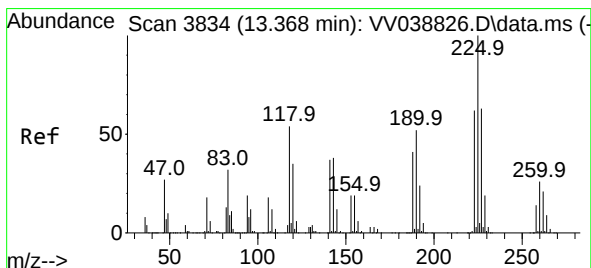
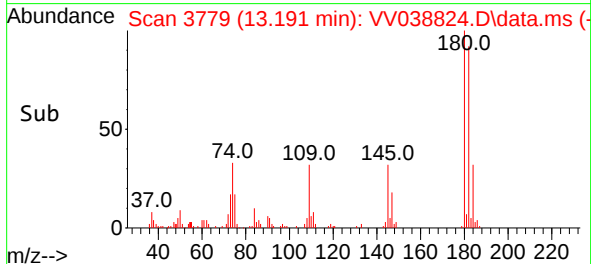
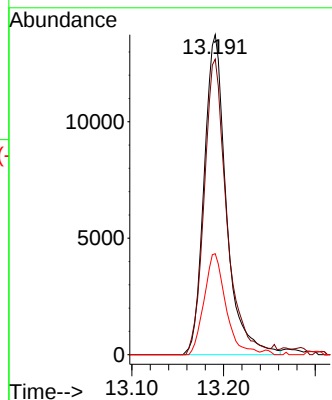
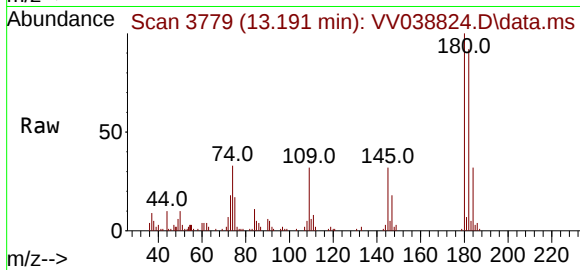
Tgt Ion:180 Resp: 23130

Ion Ratio Lower Upper

180 100

182 93.6 46.9 140.6

145 30.8 15.8 47.3



#94

Hexachlorobutadiene

Concen: 4.631 ug/l

RT: 13.368 min Scan# 3834

Delta R.T. -0.000 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

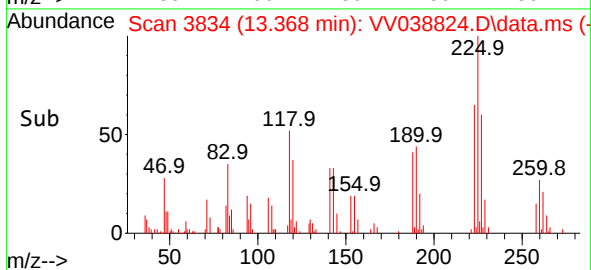
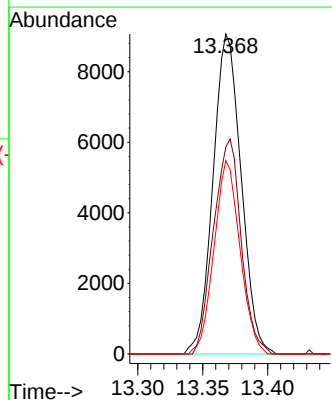
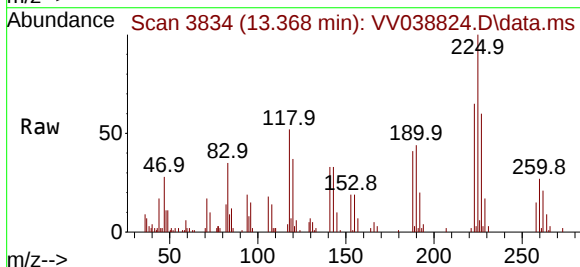
Tgt Ion:225 Resp: 13611

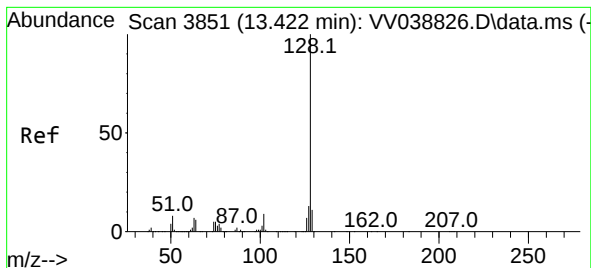
Ion Ratio Lower Upper

225 100

223 66.0 31.3 93.8

227 55.9 31.0 93.0





#95

Naphthalene

Concen: 6.175 ug/l

RT: 13.429 min Scan# 3853

Delta R.T. 0.007 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC005

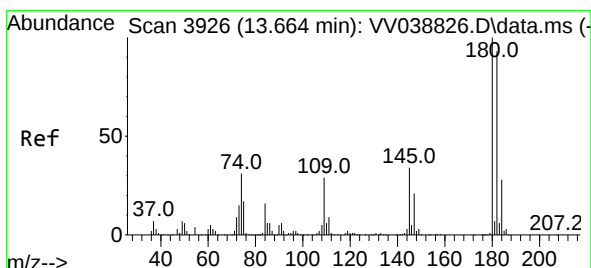
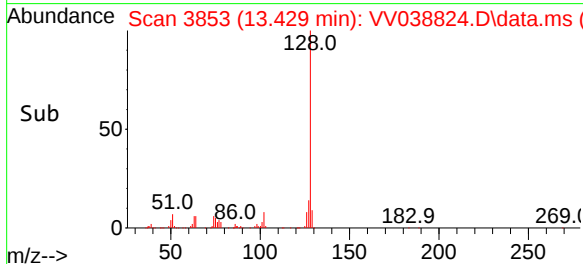
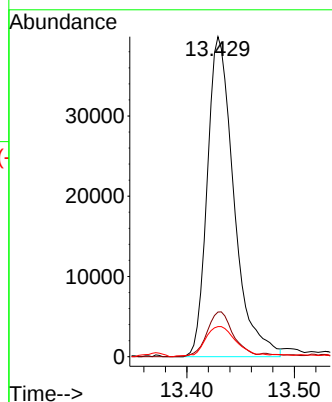
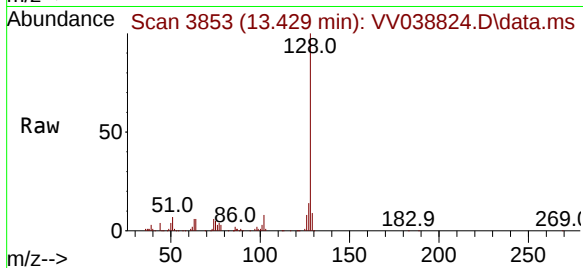
Tgt Ion:128 Resp: 68671

Ion Ratio Lower Upper

128 100

127 13.7 10.4 15.6

129 11.1 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 3.689 ug/l

RT: 13.670 min Scan# 3928

Delta R.T. 0.006 min

Lab File: VV038824.D

Acq: 27 Jun 2025 09:17

Tgt Ion:180 Resp: 22904

Ion Ratio Lower Upper

180 100

182 98.7 47.3 141.8

145 33.5 17.0 50.9

