

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV070225\
 Data File : VV038832.D
 Acq On : 02 Jul 2025 09:39
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICC001

Quant Time: Jul 03 02:22:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 02:21:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	429454	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	738646	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	679439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	327124	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.973	65	4842	1.006	ug/l	0.04
Spiked Amount	50.000	Range	81 - 118	Recovery	=	2.020%#
35) Dibromofluoromethane	4.523	113	2654	0.567	ug/l	0.03
Spiked Amount	50.000	Range	80 - 119	Recovery	=	1.140%#
50) Toluene-d8	7.256	98	12902	0.852	ug/l	0.02
Spiked Amount	50.000	Range	89 - 112	Recovery	=	1.700%#
62) 4-Bromofluorobenzene	10.021	95	4623	0.756	ug/l	0.02
Spiked Amount	50.000	Range	85 - 114	Recovery	=	1.520%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.121	85	4591	1.126	ug/l	90
3) Chloromethane	1.230	50	6978	0.599	ug/l	96
4) Vinyl Chloride	1.298	62	5012	1.078	ug/l #	81
5) Bromomethane	1.503	94	3598	1.268	ug/l	92
6) Chloroethane	1.561	64	3463	1.111	ug/l #	86
7) Trichlorofluoromethane	1.729	101	9127	1.109	ug/l	96
8) Diethyl Ether	1.921	74	3359	1.173	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.085	101	4940	1.062	ug/l	91
10) Methyl Iodide	2.201	142	2974	0.504	ug/l #	97
11) Tert butyl alcohol	2.571	59	2134	3.397	ug/l #	91
12) 1,1-Dichloroethene	2.082	96	5202	1.176	ug/l	93
13) Acrolein	2.021	56	1029	6.559	ug/l	96
14) Allyl chloride	2.368	41	5727	0.963	ug/l #	87
15) Acrylonitrile	2.706	53	9098	4.140	ug/l	98
16) Acetone	2.127	43	8494	5.296	ug/l	92
17) Carbon Disulfide	2.256	76	11596	1.132	ug/l	96
18) Methyl Acetate	2.404	43	2690	0.492	ug/l #	80
19) Methyl tert-butyl Ether	2.709	73	12277	0.898	ug/l	97
20) Methylene Chloride	2.462	84	6679	1.260	ug/l	88
21) trans-1,2-Dichloroethene	2.716	96	4459	1.008	ug/l #	84
22) Diisopropyl ether	3.227	45	9291	0.762	ug/l #	87
23) Vinyl Acetate	3.233	43	18053	2.053	ug/l #	85
24) 1,1-Dichloroethane	3.134	63	8538	1.039	ug/l	98
25) 2-Butanone	3.851	43	533	0.236	ug/l #	45
26) 2,2-Dichloropropane	3.815	77	7980	1.047	ug/l	84
27) cis-1,2-Dichloroethene	3.838	96	1406	0.273	ug/l	52
28) Bromochloromethane	4.175	49	4073	1.159	ug/l #	97
29) Tetrahydrofuran	4.217	42	209	0.134	ug/l #	52
30) Chloroform	4.291	83	8523	0.952	ug/l	96
31) Cyclohexane	4.590	56	14260	2.191	ug/l #	50
32) 1,1,1-Trichloroethane	4.526	97	9222	1.109	ug/l #	41
36) 1,1-Dichloropropene	4.764	75	4090	0.720	ug/l #	76
37) Ethyl Acetate	3.979	43	5456	0.956	ug/l #	67
38) Carbon Tetrachloride	4.738	117	7094	0.949	ug/l	86
39) Methylcyclohexane	6.043	83	6786	0.914	ug/l	94
40) Benzene	5.034	78	14182	0.779	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.275	41	3867	5.420	ug/l #	37
42) 1,2-Dichloroethane	5.072	62	6107	0.920	ug/l	88
43) Isopropyl Acetate	5.233	43	2238	0.243	ug/l #	95
44) Trichloroethene	5.851	130	4495	0.919	ug/l	84
45) 1,2-Dichloropropane	6.072	63	97	0.021	ug/l #	44
46) Dibromomethane	6.259	93	3704	0.998	ug/l #	58
47) Bromodichloromethane	6.449	83	8148	1.036	ug/l #	84
48) Methyl methacrylate	6.317	41	137	0.033	ug/l #	10
49) 1,4-Dioxane	6.339	88	296	5.037	ug/l #	67
51) 4-Methyl-2-Pentanone	7.166	43	20194	3.518	ug/l	94
52) Toluene	7.333	92	8558	0.731	ug/l	94
53) t-1,3-Dichloropropene	7.609	75	5334	0.730	ug/l #	84
54) cis-1,3-Dichloropropene	6.973	75	5923	0.770	ug/l	96
55) 1,1,2-Trichloroethane	7.777	97	4629	0.904	ug/l #	84
56) Ethyl methacrylate	7.748	69	3111	0.462	ug/l #	59
57) 1,3-Dichloropropane	7.950	76	7367	0.913	ug/l	96
58) 2-Chloroethyl Vinyl ether	6.844	63	9150	3.110	ug/l #	61
59) 2-Hexanone	8.101	43	6989	1.680	ug/l	86
60) Dibromochloromethane	8.178	129	6477	1.004	ug/l	94
61) 1,2-Dibromoethane	8.294	107	3853	0.741	ug/l #	53
64) Tetrachloroethene	7.902	164	4766	1.091	ug/l	89
65) Chlorobenzene	8.809	112	14382	1.004	ug/l	96
66) 1,1,1,2-Tetrachloroethane	8.902	131	5334	0.998	ug/l #	63
67) Ethyl Benzene	8.953	91	18460	0.823	ug/l	99
68) m/p-Xylenes	9.072	106	11858	1.380	ug/l	91
69) o-Xylene	9.484	106	6352	0.774	ug/l	98
70) Styrene	9.609	104	315	0.022	ug/l	95
71) Bromoform	9.664	173	3843	0.884	ug/l #	100
73) Isopropylbenzene	9.863	105	15617	0.813	ug/l	96
74) N-amyl acetate	9.715	43	99	0.015	ug/l #	38
75) 1,1,2,2-Tetrachloroethane	10.175	83	7150	1.027	ug/l	92
76) 1,2,3-Trichloropropane	10.210	75	5077	1.003	ug/l #	56
77) Bromobenzene	10.162	156	4789	0.967	ug/l	96
78) n-propylbenzene	10.288	91	19359	0.847	ug/l	99
79) 2-Chlorotoluene	10.358	91	12619	0.909	ug/l	97
80) 1,3,5-Trimethylbenzene	10.474	105	12937	0.788	ug/l	96
81) trans-1,4-Dichloro-2-b...	9.950	75	1682	0.707	ug/l #	80
82) 4-Chlorotoluene	10.477	91	12267	0.767	ug/l	96
83) tert-Butylbenzene	10.792	119	14616	0.858	ug/l	95
84) 1,2,4-Trimethylbenzene	10.847	105	12398	0.771	ug/l	95
85) sec-Butylbenzene	11.014	105	17448	0.805	ug/l	96
86) p-Isopropyltoluene	11.169	119	15203	0.818	ug/l	97
87) 1,3-Dichlorobenzene	11.120	146	9666	0.960	ug/l	93
88) 1,4-Dichlorobenzene	11.120	146	9666	0.911	ug/l	91
89) n-Butylbenzene	11.590	91	13281	0.771	ug/l	98
90) Hexachloroethane	11.821	117	4514	1.119	ug/l	97
91) 1,2-Dichlorobenzene	11.583	146	8710	0.918	ug/l	88
92) 1,2-Dibromo-3-Chloropr...	12.368	75	1335	0.906	ug/l	92
93) 1,2,4-Trichlorobenzene	13.201	180	5107	0.830	ug/l	90
94) Hexachlorobutadiene	13.368	225	3145	1.059	ug/l	89
95) Naphthalene	13.439	128	13791	0.705	ug/l	98
96) 1,2,3-Trichlorobenzene	13.677	180	5637	0.888	ug/l	89

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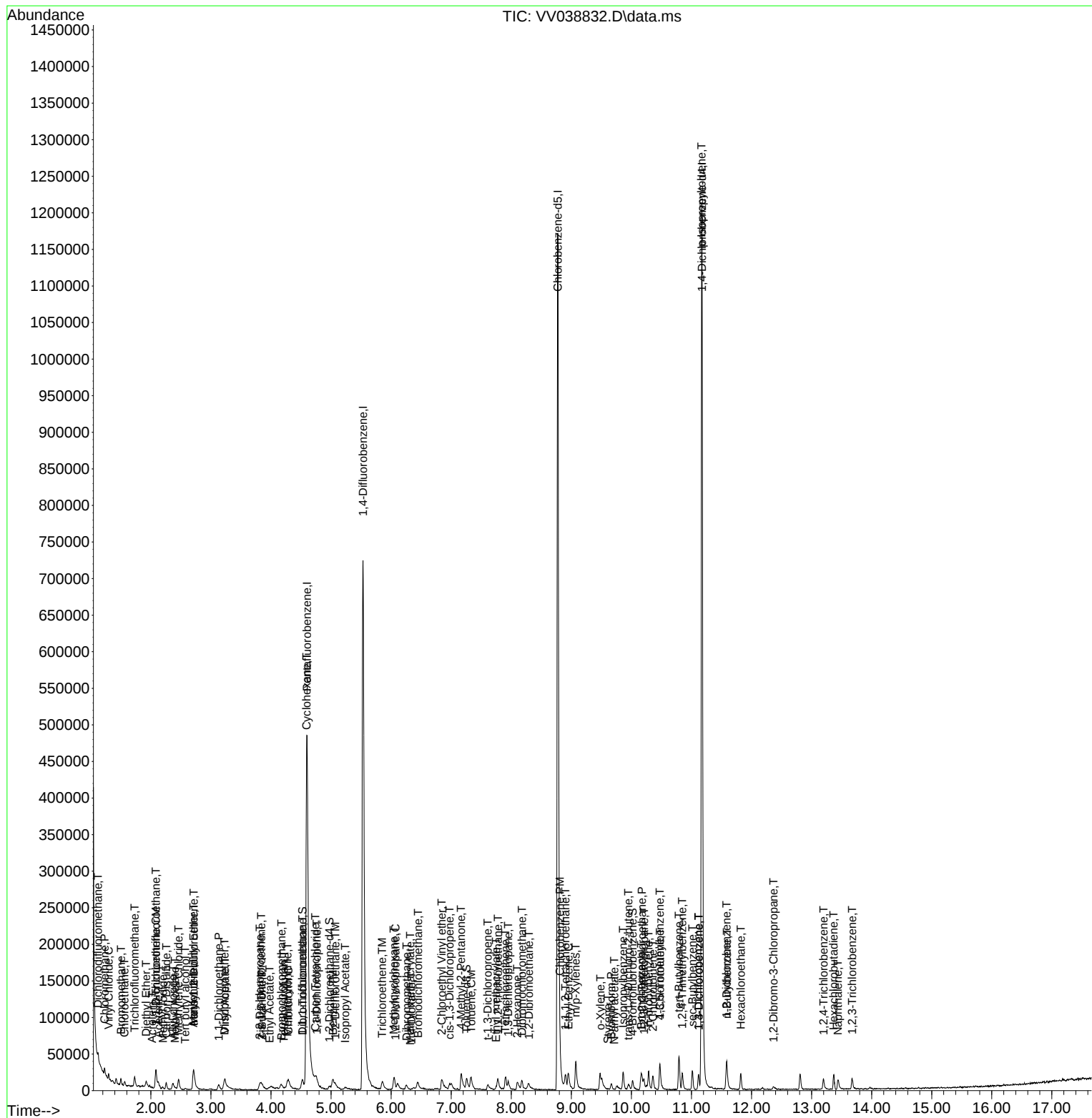
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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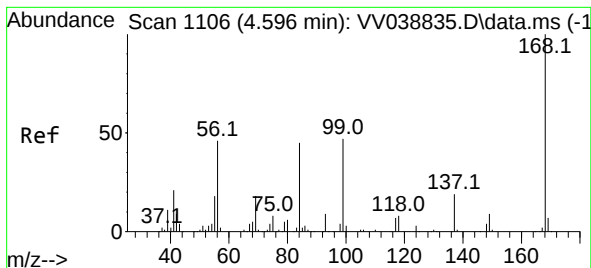
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.600 min Scan# 11

Delta R.T. 0.004 min

Lab File: VV038832.D

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Instrument :

MSVOA_V

ClientSampleId :

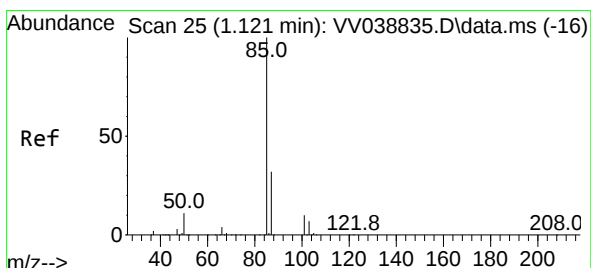
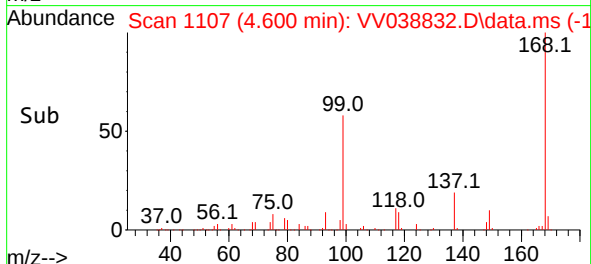
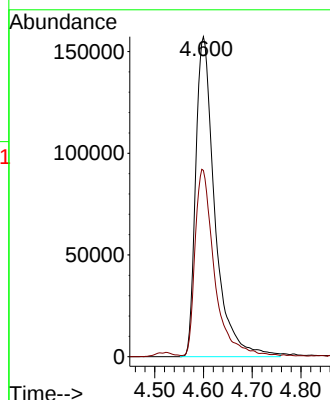
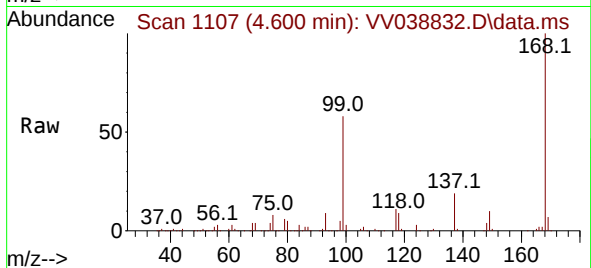
VSTDIC001

Tgt Ion:168 Resp: 429454

Ion Ratio Lower Upper

168 100

99 57.8 48.6 73.0



#2

Dichlorodifluoromethane

Concen: 1.126 ug/l

RT: 1.121 min Scan# 25

Delta R.T. 0.000 min

Lab File: VV038832.D

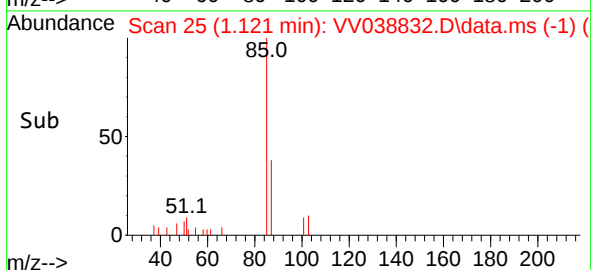
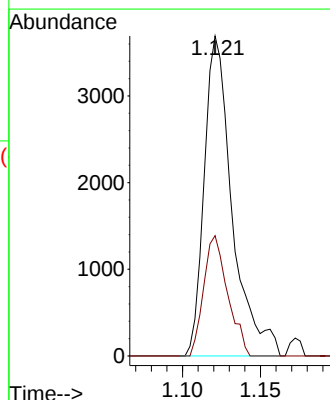
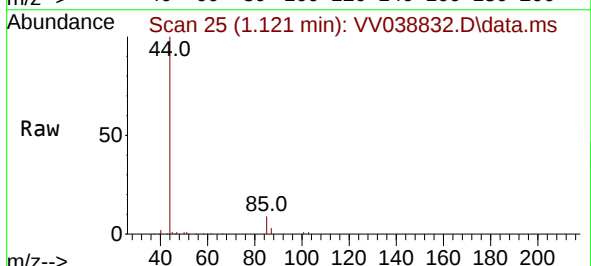
Acq: 02 Jul 2025 09:39

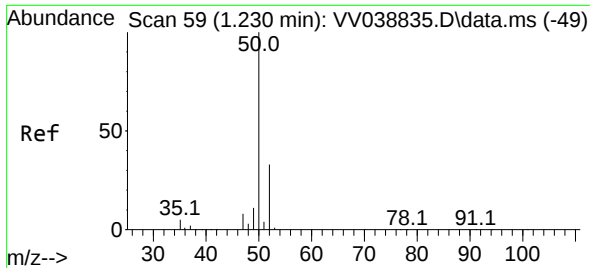
Tgt Ion: 85 Resp: 4591

Ion Ratio Lower Upper

85 100

87 37.6 16.1 48.3

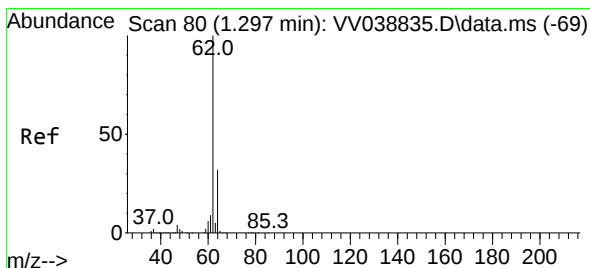
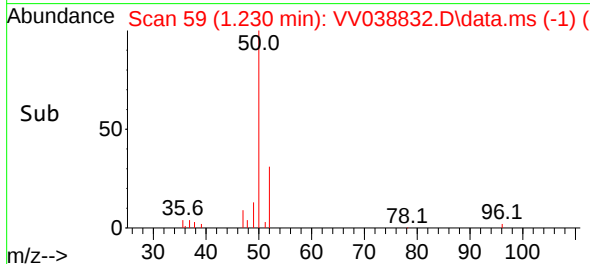
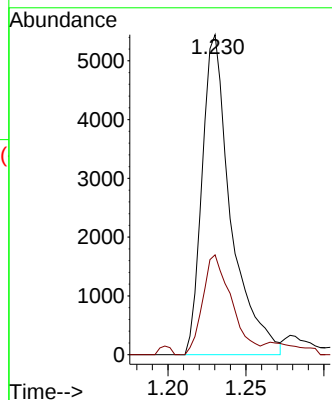
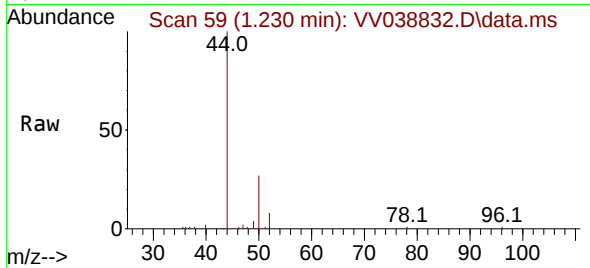




#3
Chloromethane
Concen: 0.599 ug/l
RT: 1.230 min Scan# 59
Delta R.T. 0.000 min
Lab File: VV038832.D
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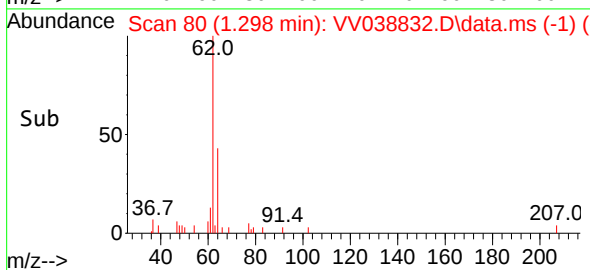
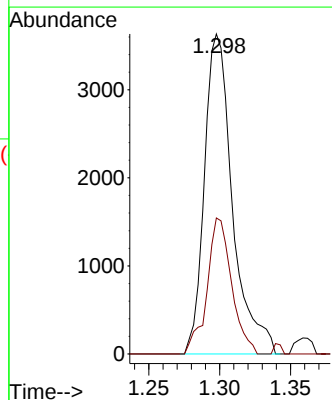
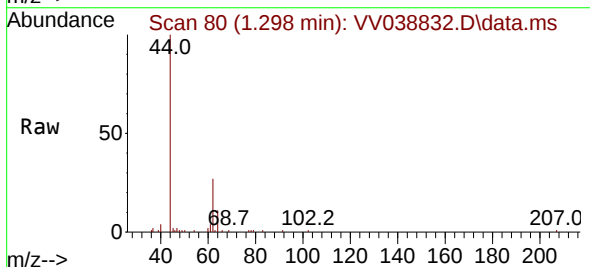
Instrument :
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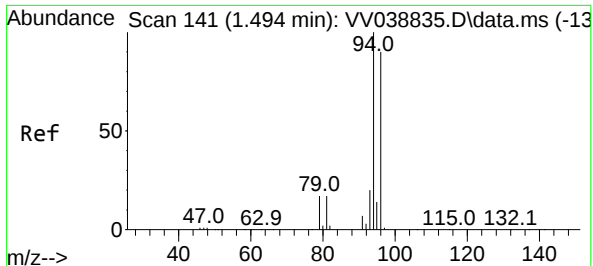
Tgt Ion: 50 Resp: 6978
Ion Ratio Lower Upper
50 100
52 31.2 26.7 40.1



#4
Vinyl Chloride
Concen: 1.078 ug/l
RT: 1.298 min Scan# 80
Delta R.T. 0.000 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

Tgt Ion: 62 Resp: 5012
Ion Ratio Lower Upper
62 100
64 42.5 25.5 38.3#

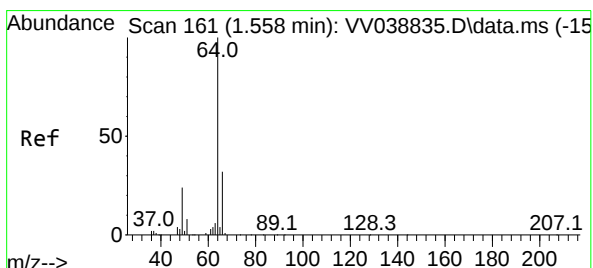
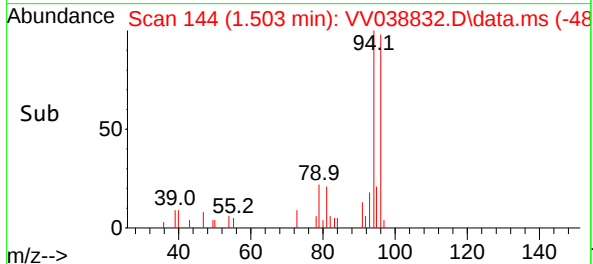
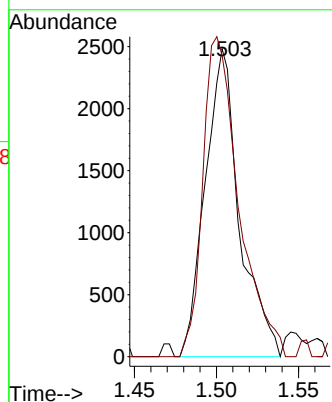
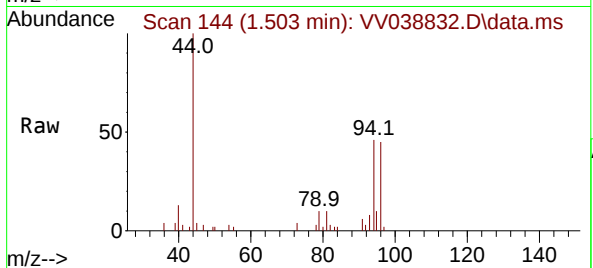




#5
Bromomethane
Concen: 1.268 ug/l
RT: 1.503 min Scan# 141
Delta R.T. 0.010 min
Lab File: VV038832.D
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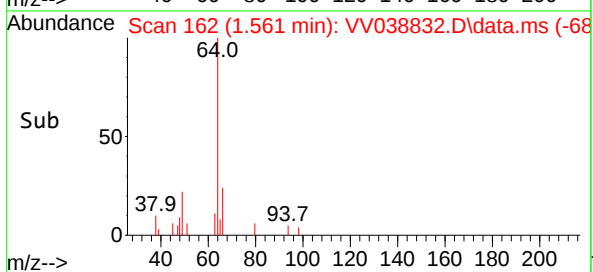
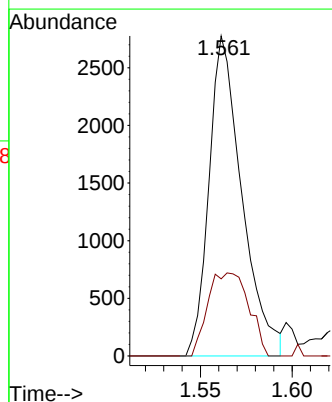
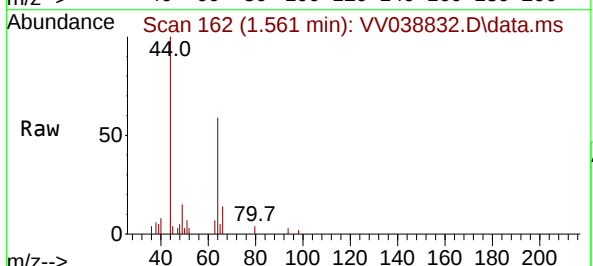
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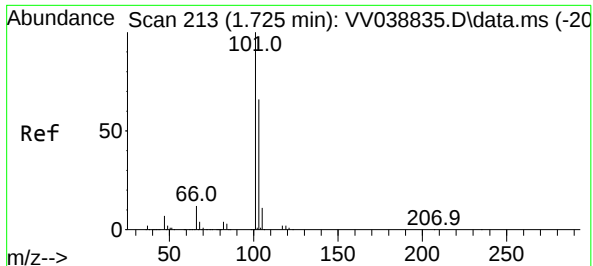
Tgt Ion: 94 Resp: 3598
Ion Ratio Lower Upper
94 100
96 97.9 72.2 108.4



#6
Chloroethane
Concen: 1.111 ug/l
RT: 1.561 min Scan# 162
Delta R.T. 0.003 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

Tgt Ion: 64 Resp: 3463
Ion Ratio Lower Upper
64 100
66 24.1 25.4 38.0#

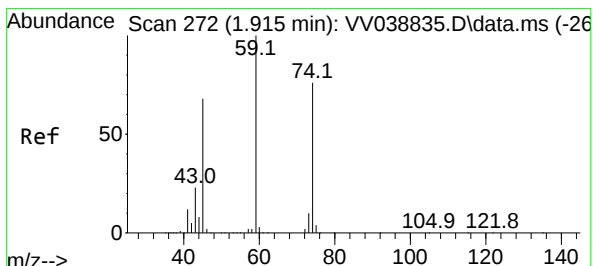
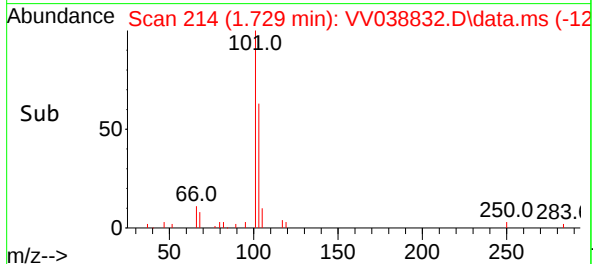
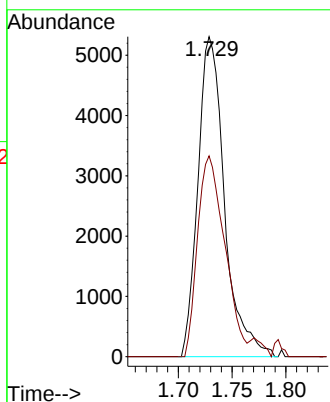
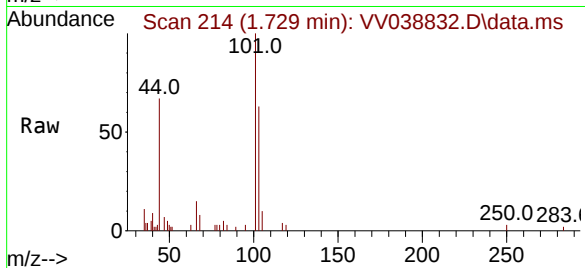




#7
 Trichlorofluoromethane
 Concen: 1.109 ug/l
 RT: 1.729 min Scan# 213
 Delta R.T. 0.003 min
 Lab File: VV038832.D
 Acq: 02 Jul 2025 09:39

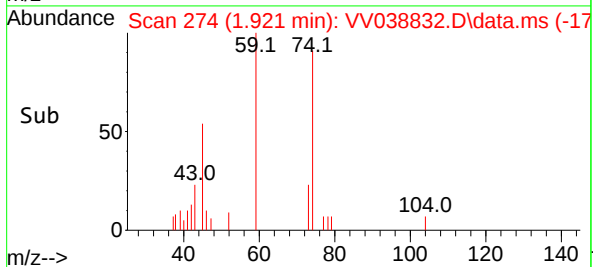
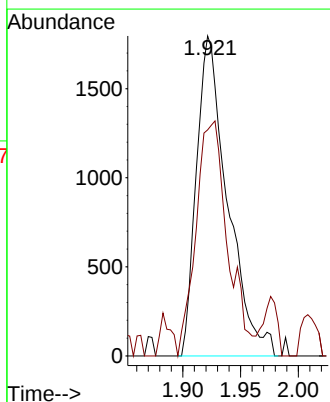
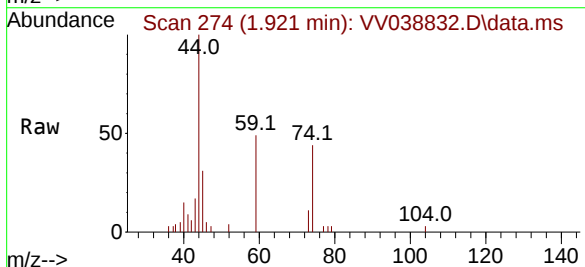
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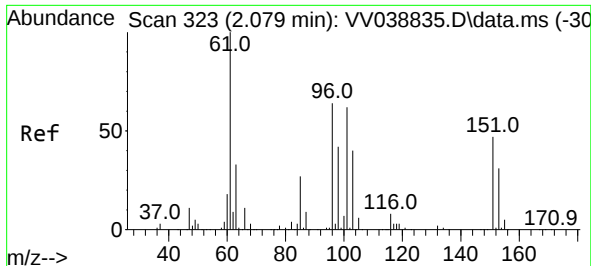
Tgt Ion:101 Resp: 9127
 Ion Ratio Lower Upper
 101 100
 103 62.8 52.8 79.2



#8
 Diethyl Ether
 Concen: 1.173 ug/l
 RT: 1.921 min Scan# 274
 Delta R.T. 0.007 min
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Tgt Ion: 74 Resp: 3359
 Ion Ratio Lower Upper
 74 100
 45 75.1 43.9 131.7

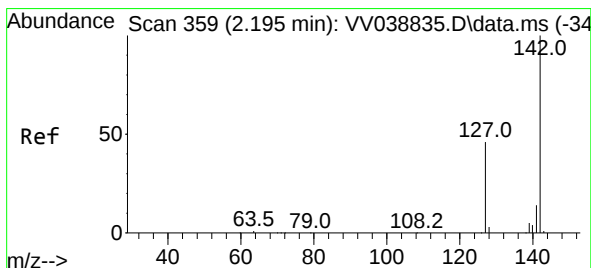
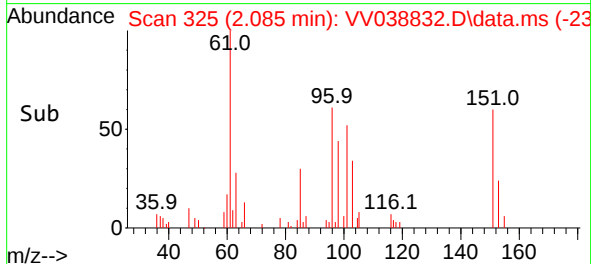
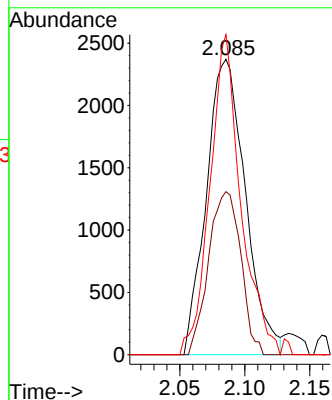
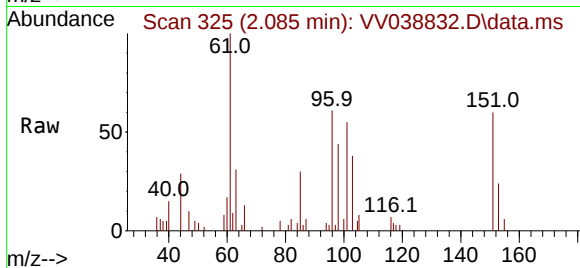




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.062 ug/l
 RT: 2.085 min Scan# 311
 Delta R.T. 0.007 min
 Lab File: VV038832.D
 Acq: 02 Jul 2025 09:39

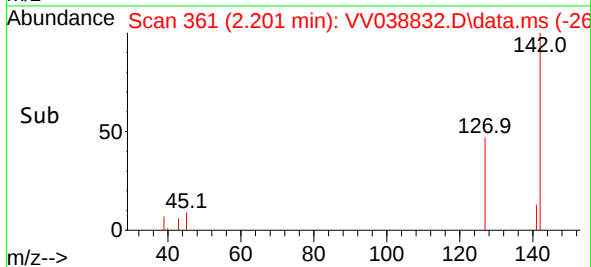
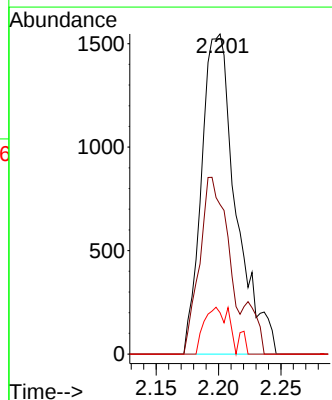
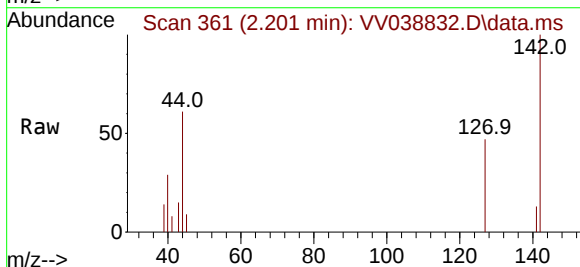
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC001

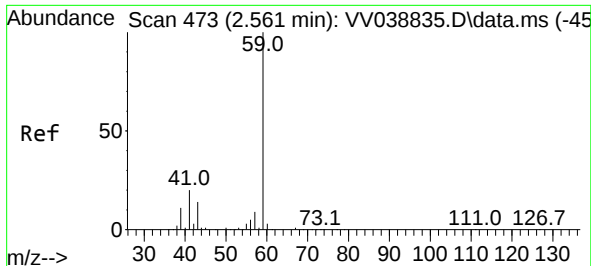
Tgt Ion:101 Resp: 4940
 Ion Ratio Lower Upper
 101 100
 85 45.7 34.6 52.0
 151 86.1 60.4 90.6



#10
 Methyl Iodide
 Concen: 0.504 ug/l
 RT: 2.201 min Scan# 361
 Delta R.T. 0.007 min
 Lab File: VV038832.D
 Acq: 02 Jul 2025 09:39

Tgt Ion:142 Resp: 2974
 Ion Ratio Lower Upper
 142 100
 127 45.6 36.9 55.3
 141 10.2 11.8 17.8#





#11

Tert butyl alcohol

Concen: 3.397 ug/l

RT: 2.571 min Scan# 41

Delta R.T. 0.010 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

Instrument :

MSVOA_V

ClientSampleId :

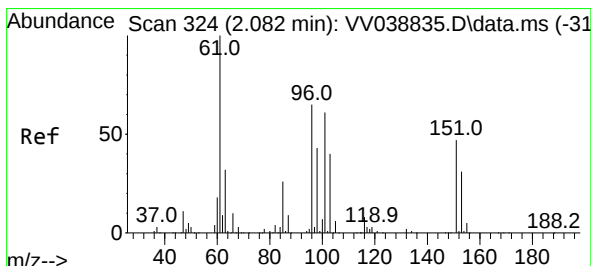
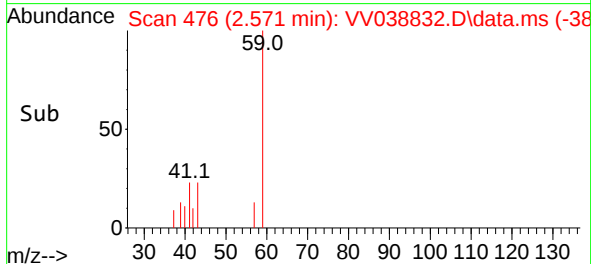
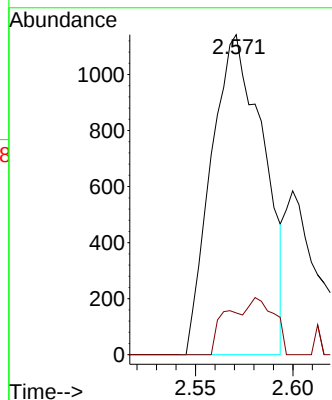
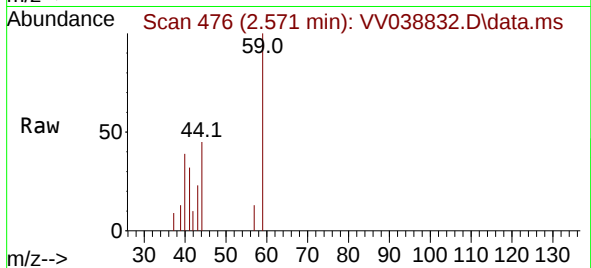
VSTDIC001

Tgt Ion: 59 Resp: 2134

Ion Ratio Lower Upper

59 100

57 6.6 8.0 12.0#



#12

1,1-Dichloroethene

Concen: 1.176 ug/l

RT: 2.082 min Scan# 324

Delta R.T. 0.000 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

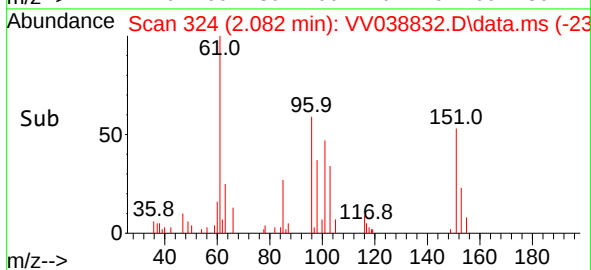
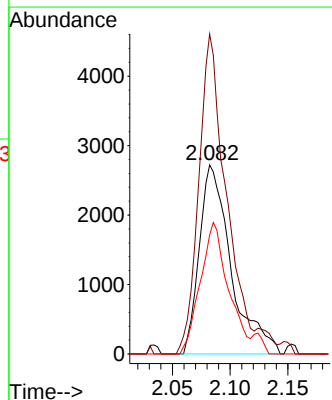
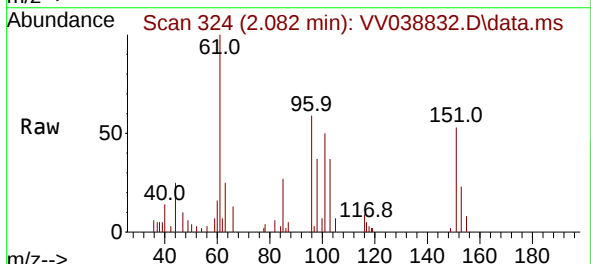
Tgt Ion: 96 Resp: 5202

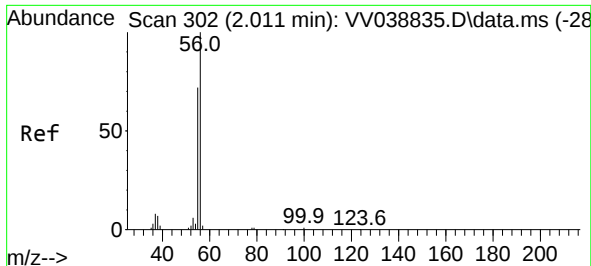
Ion Ratio Lower Upper

96 100

61 165.1 123.5 185.3

98 62.9 52.5 78.7





#13

Acrolein

Concen: 6.559 ug/l

RT: 2.021 min Scan# 302

Delta R.T. 0.010 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

Instrument :

MSVOA_V

ClientSampleId :

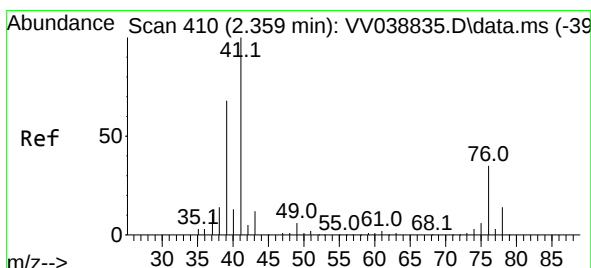
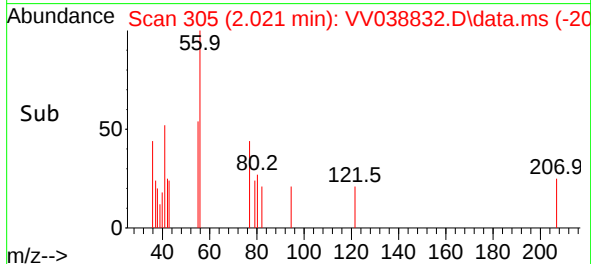
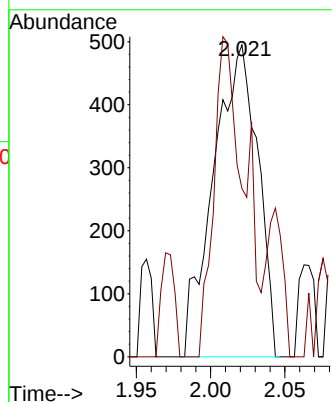
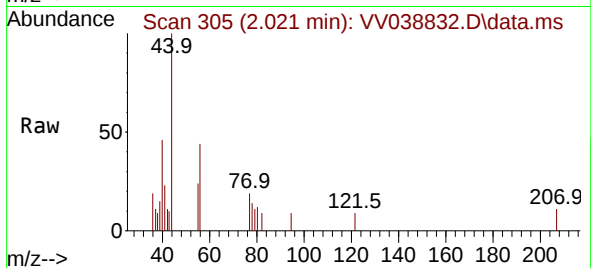
VSTDIC001

Tgt Ion: 56 Resp: 1029

Ion Ratio Lower Upper

56 100

55 70.1 53.4 80.2



#14

Allyl chloride

Concen: 0.963 ug/l

RT: 2.368 min Scan# 413

Delta R.T. 0.010 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

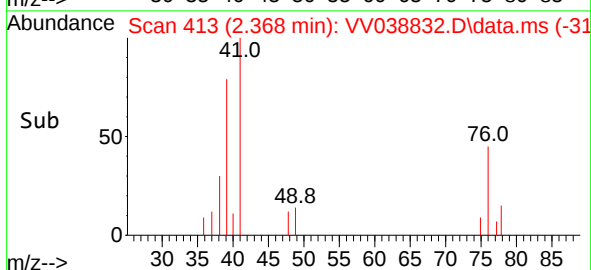
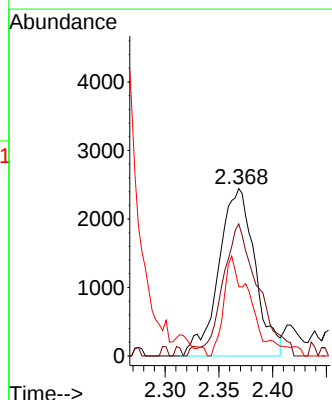
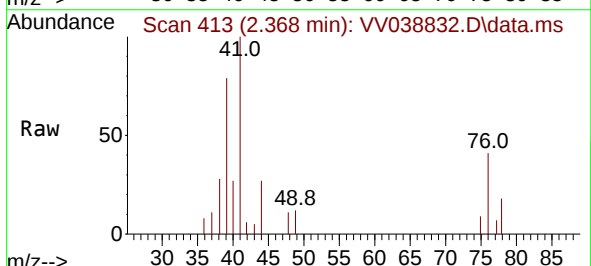
Tgt Ion: 41 Resp: 5727

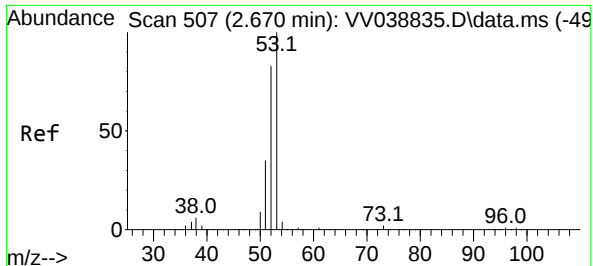
Ion Ratio Lower Upper

41 100

39 77.6 51.0 76.4#

76 45.7 33.6 50.4

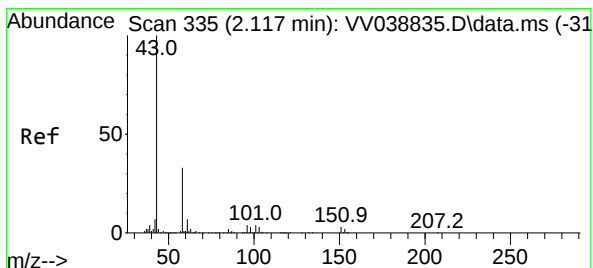
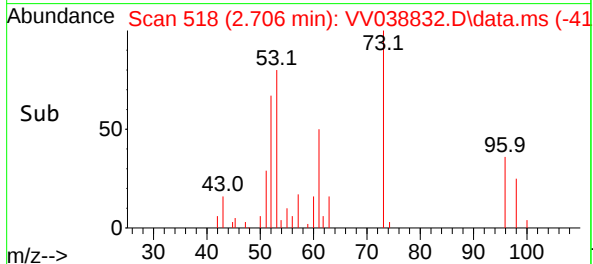
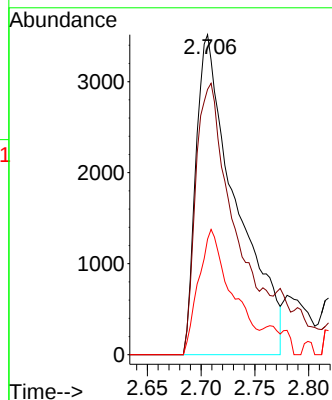
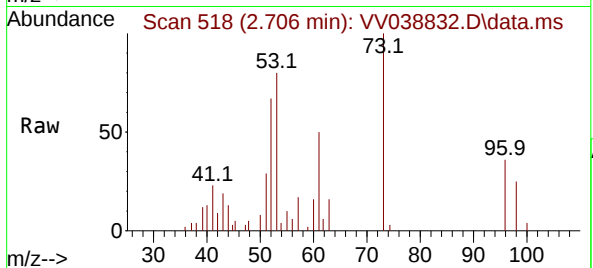




#15
Acrylonitrile
Concen: 4.140 ug/l
RT: 2.706 min Scan# 51
Delta R.T. 0.036 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

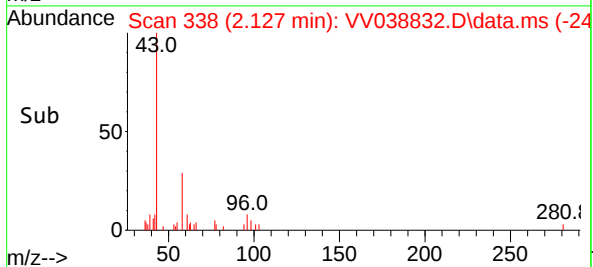
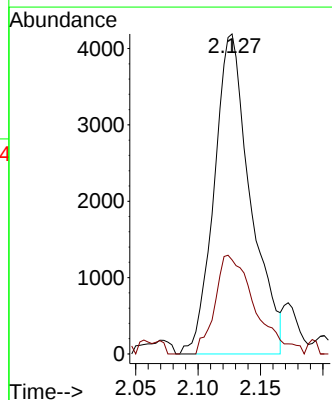
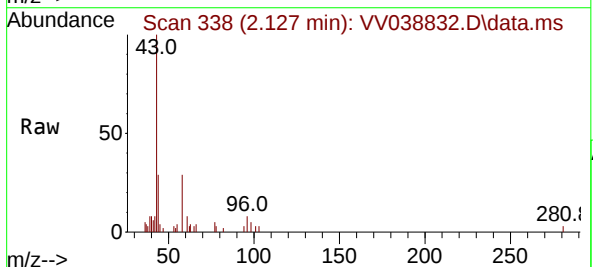
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

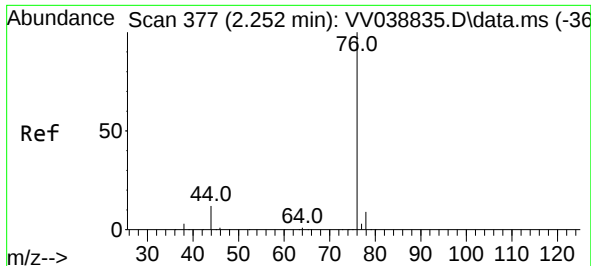
Tgt Ion:	53	Resp:	9098
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.8	98.6
51	33.1	28.5	42.7



#16
Acetone
Concen: 5.296 ug/l
RT: 2.127 min Scan# 338
Delta R.T. 0.010 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

Tgt Ion:	43	Resp:	8494
Ion	Ratio	Lower	Upper
43	100		
58	29.4	27.0	40.4

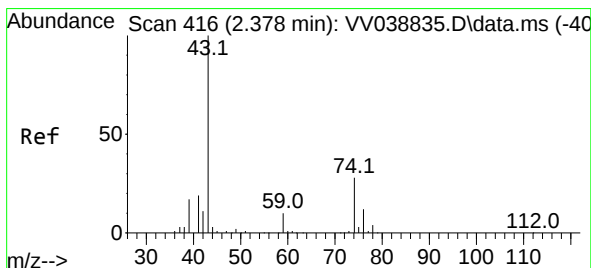
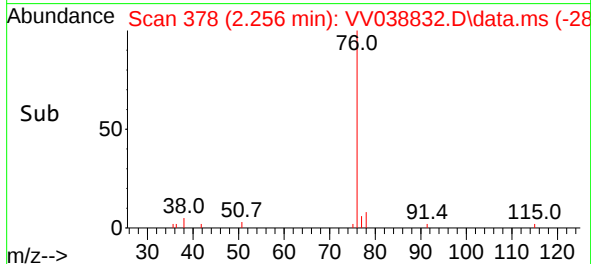
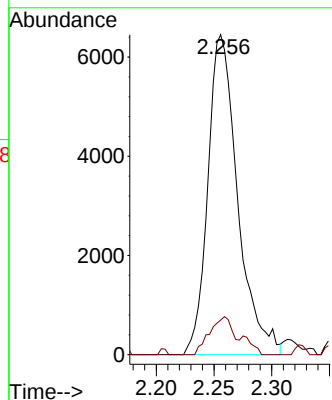
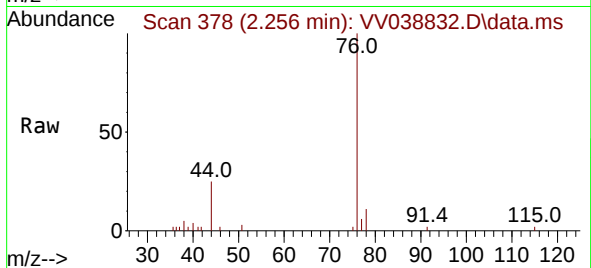




#17
Carbon Disulfide
Concen: 1.132 ug/l
RT: 2.256 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

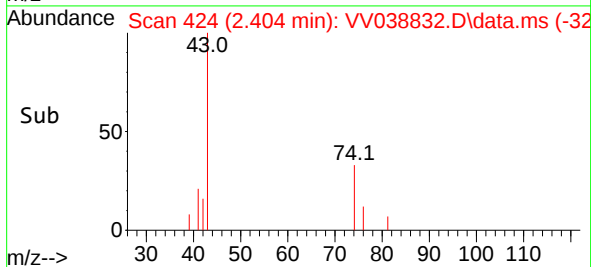
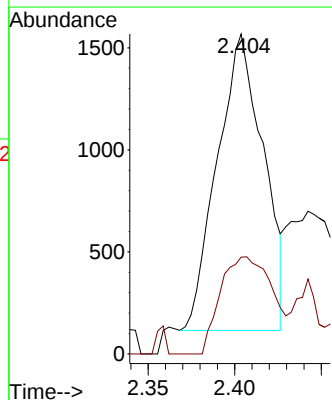
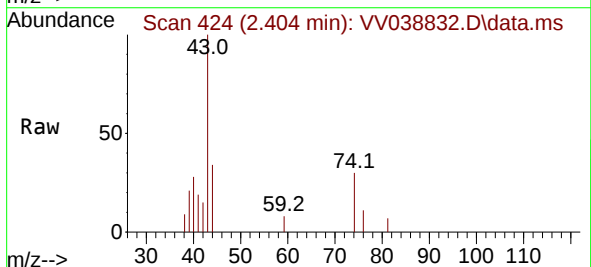
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

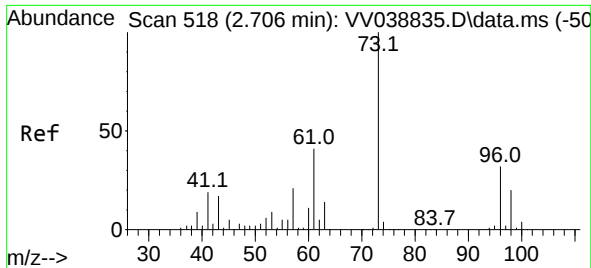
Tgt Ion: 76 Resp: 11596
Ion Ratio Lower Upper
76 100
78 10.8 7.5 11.3



#18
Methyl Acetate
Concen: 0.492 ug/l
RT: 2.404 min Scan# 424
Delta R.T. 0.026 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

Tgt Ion: 43 Resp: 2690
Ion Ratio Lower Upper
43 100
74 36.9 21.4 32.0#

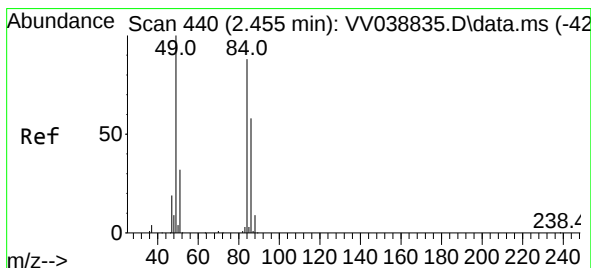
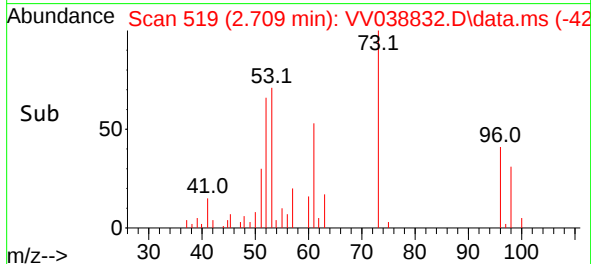
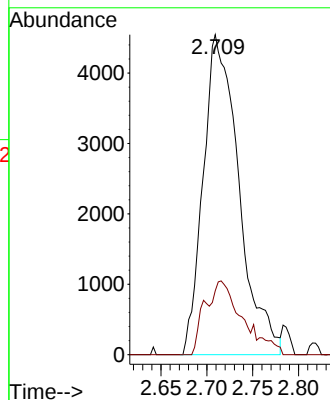
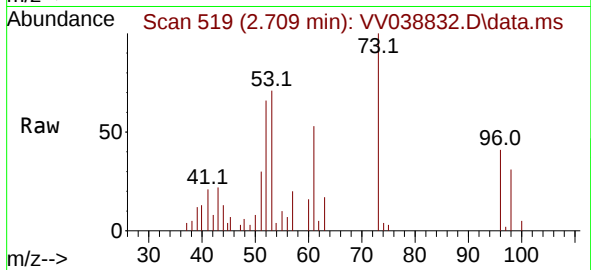




#19
Methyl tert-butyl Ether
Concen: 0.898 ug/l
RT: 2.709 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

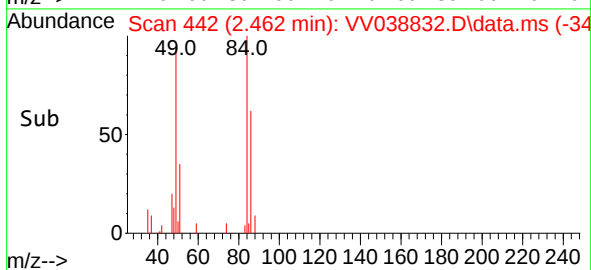
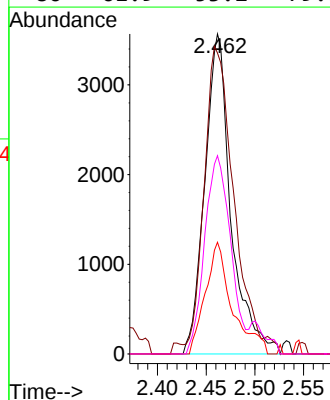
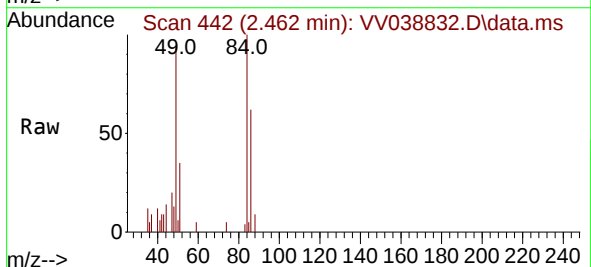
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

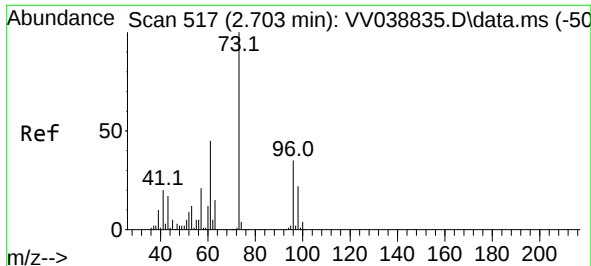
Tgt Ion: 73 Resp: 12277
Ion Ratio Lower Upper
73 100
57 20.0 17.0 25.4



#20
Methylene Chloride
Concen: 1.260 ug/l
RT: 2.462 min Scan# 442
Delta R.T. 0.007 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

Tgt Ion: 84 Resp: 6679
Ion Ratio Lower Upper
84 100
49 94.0 91.0 136.4
51 34.9 29.4 44.2
86 61.9 53.2 79.8

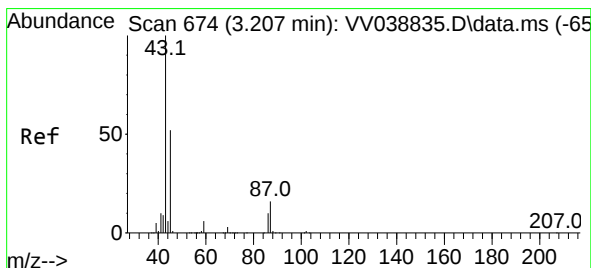
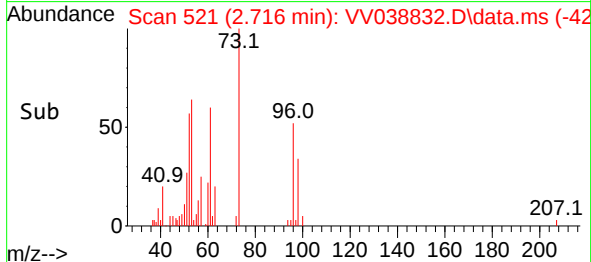
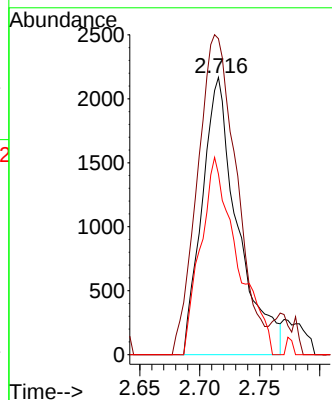
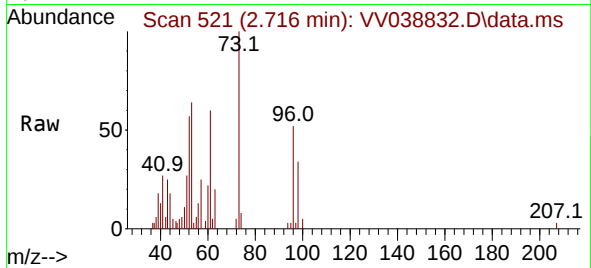




#21
trans-1,2-Dichloroethene
Concen: 1.008 ug/l
RT: 2.716 min Scan# 517
Delta R.T. 0.013 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

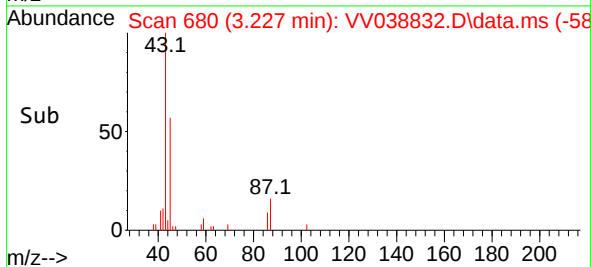
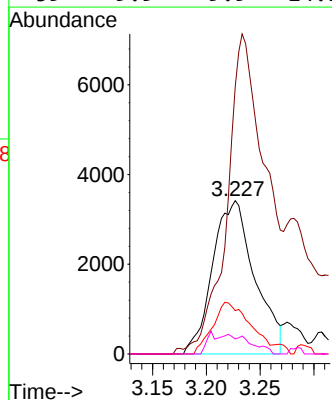
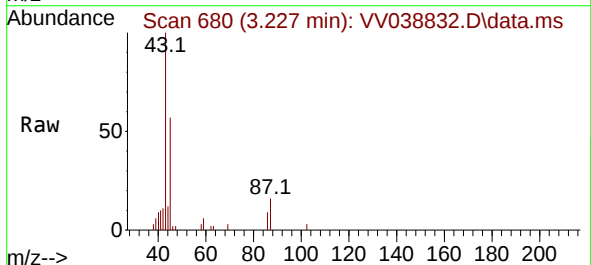
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

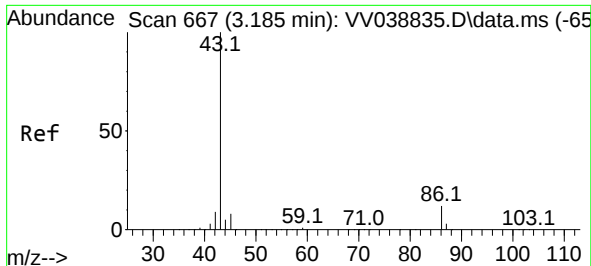
Tgt Ion: 96 Resp: 4459
Ion Ratio Lower Upper
96 100
61 101.8 102.8 154.2#
98 65.2 50.9 76.3



#22
Diisopropyl ether
Concen: 0.762 ug/l
RT: 3.227 min Scan# 680
Delta R.T. 0.019 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

Tgt Ion: 45 Resp: 9291
Ion Ratio Lower Upper
45 100
43 170.7 153.1 229.7
87 28.3 25.2 37.8
59 9.9 9.9 14.9#

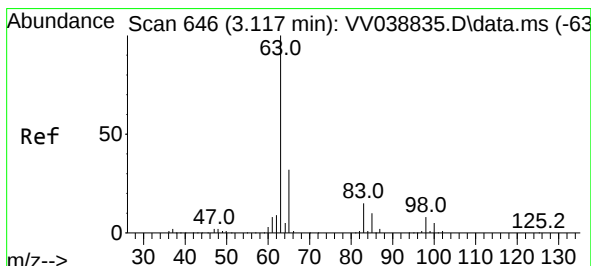
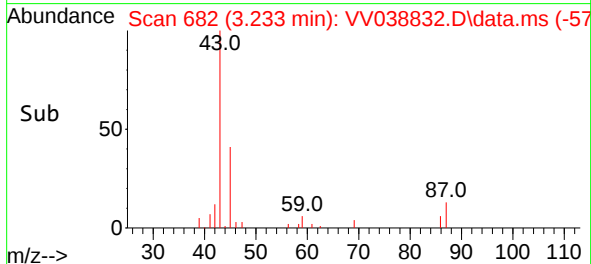
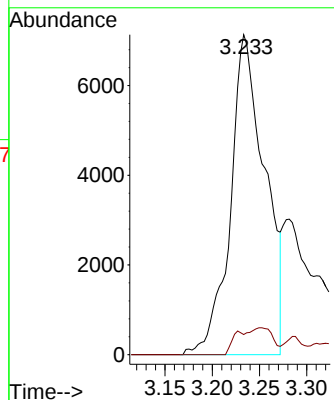
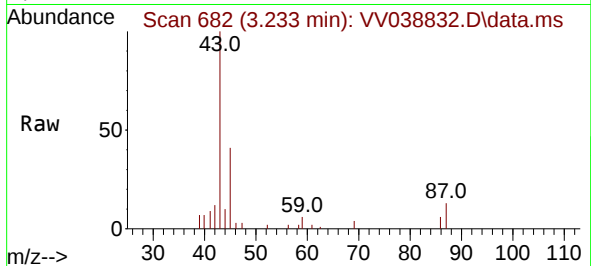




#23
 Vinyl Acetate
 Concen: 2.053 ug/l
 RT: 3.233 min Scan# 61
 Delta R.T. 0.048 min
 Lab File: VV038832.D
 Acq: 02 Jul 2025 09:39

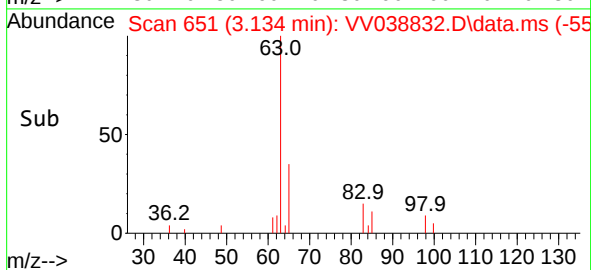
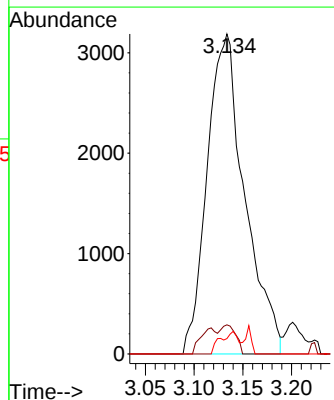
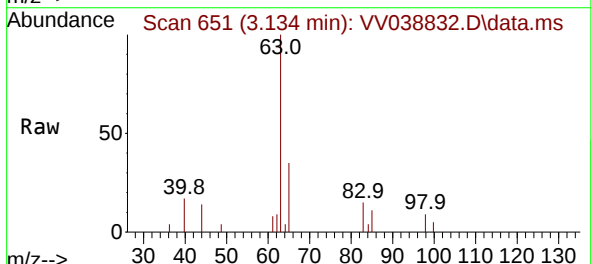
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC001

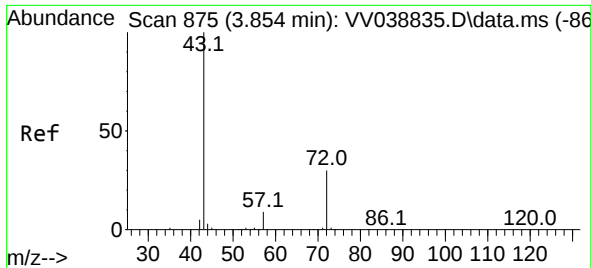
Tgt Ion: 43 Resp: 18053
 Ion Ratio Lower Upper
 43 100
 86 6.3 9.9 14.9#



#24
 1,1-Dichloroethane
 Concen: 1.039 ug/l
 RT: 3.134 min Scan# 651
 Delta R.T. 0.016 min
 Lab File: VV038832.D
 Acq: 02 Jul 2025 09:39

Tgt Ion: 63 Resp: 8538
 Ion Ratio Lower Upper
 63 100
 98 9.1 4.1 12.3
 100 4.8 2.4 7.2

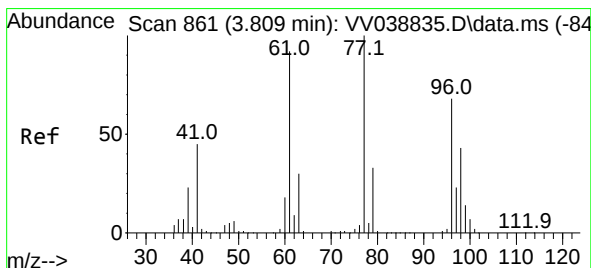
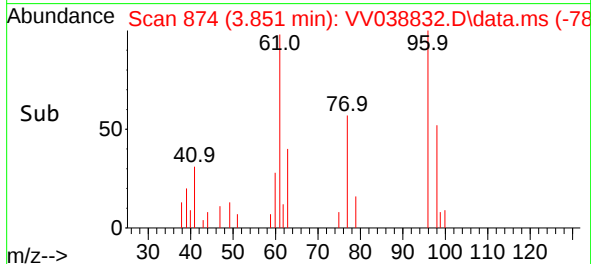
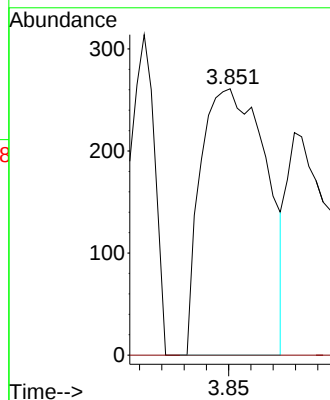
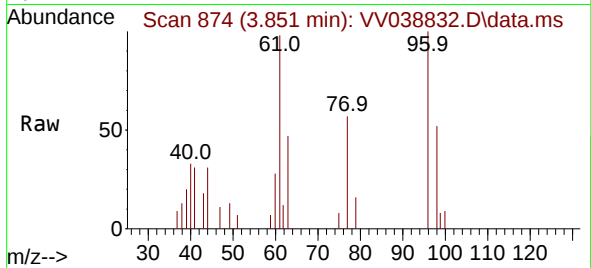




#25
2-Butanone
Concen: 0.236 ug/l
RT: 3.851 min Scan# 81
Delta R.T. -0.003 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

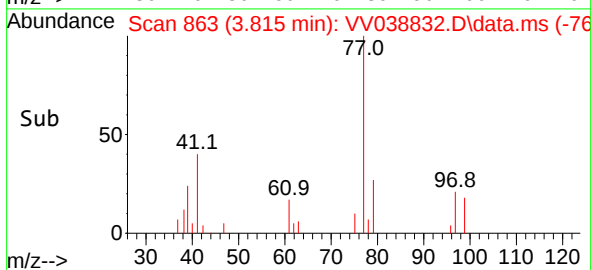
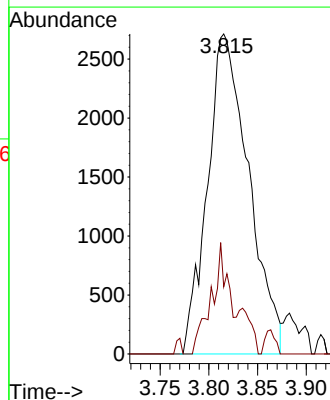
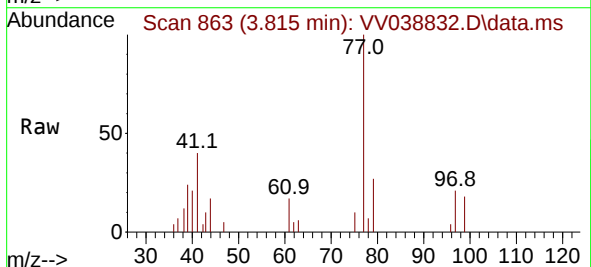
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

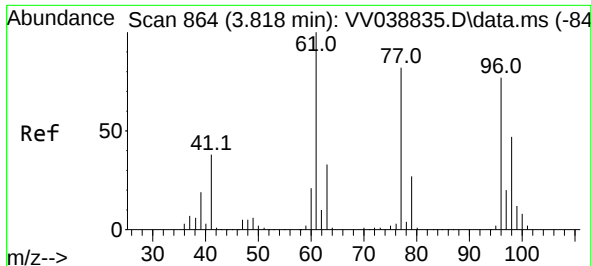
Tgt Ion: 43 Resp: 533
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.8#



#26
2,2-Dichloropropane
Concen: 1.047 ug/l
RT: 3.815 min Scan# 863
Delta R.T. 0.007 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

Tgt Ion: 77 Resp: 7980
Ion Ratio Lower Upper
77 100
97 14.9 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 0.273 ug/l

RT: 3.838 min Scan# 81

Delta R.T. 0.019 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

Instrument :

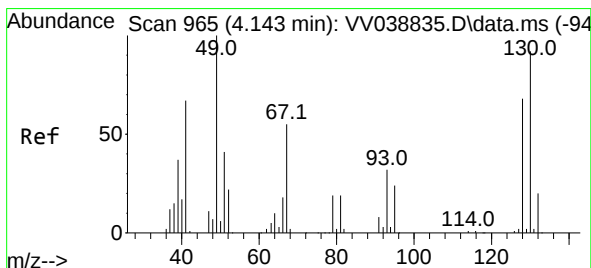
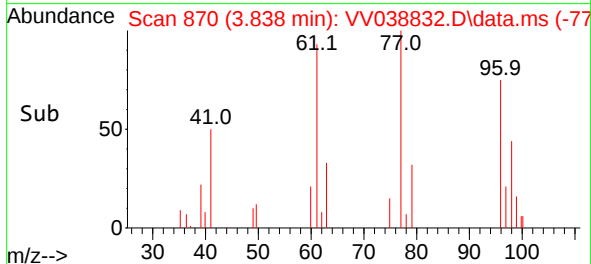
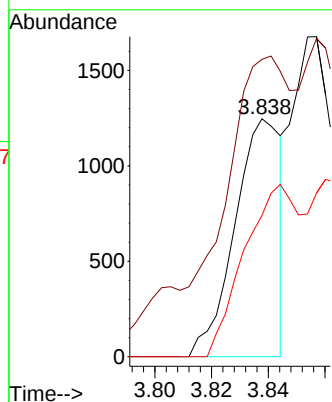
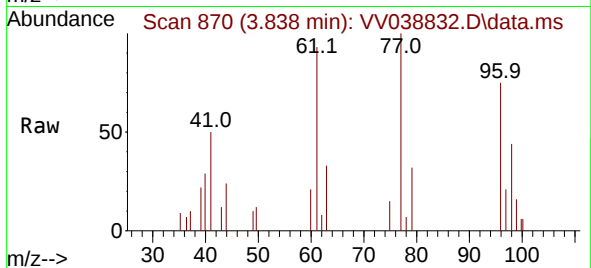
MSVOA_V

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 1406

Ion	Ratio	Lower	Upper
96	100		
61	204.6	0.0	268.4
98	82.9	0.0	128.0



#28

Bromochloromethane

Concen: 1.159 ug/l

RT: 4.175 min Scan# 975

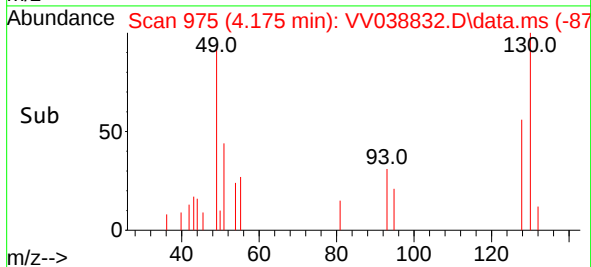
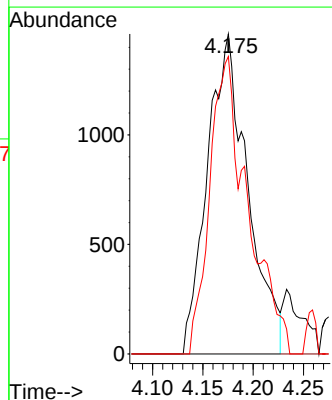
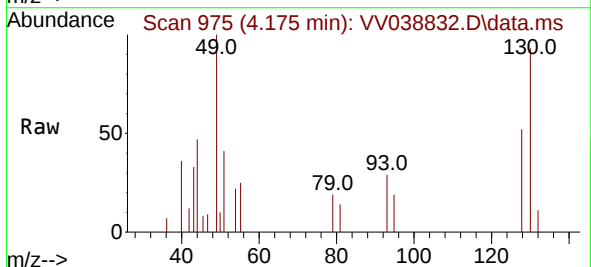
Delta R.T. 0.032 min

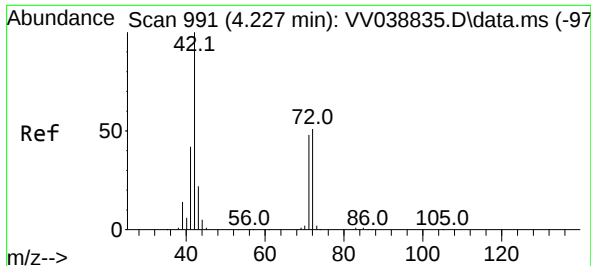
Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

Tgt Ion: 49 Resp: 4073

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.2
130	87.5	72.5	108.7





#29

Tetrahydrofuran

Concen: 0.134 ug/l

RT: 4.217 min Scan# 9

Delta R.T. -0.009 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC001

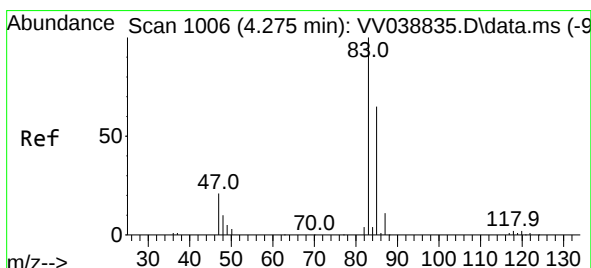
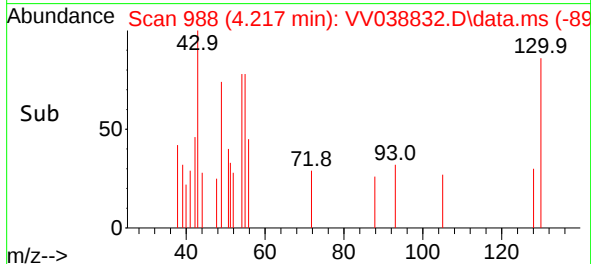
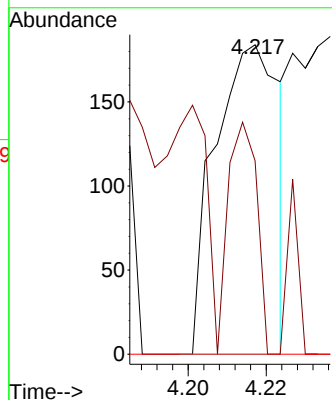
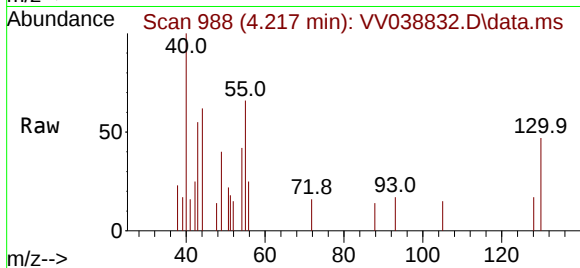
Tgt Ion: 42 Resp: 209

Ion Ratio Lower Upper

42 100

72 34.0 41.3 61.9#

71 0.0 39.2 58.8#



#30

Chloroform

Concen: 0.952 ug/l

RT: 4.291 min Scan# 1011

Delta R.T. 0.016 min

Lab File: VV038832.D

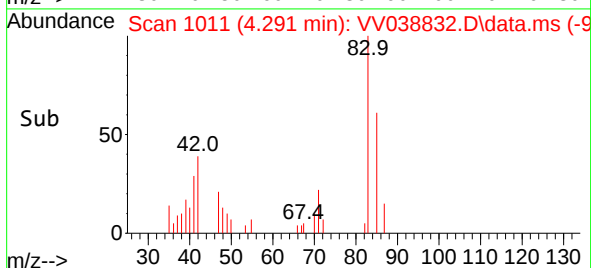
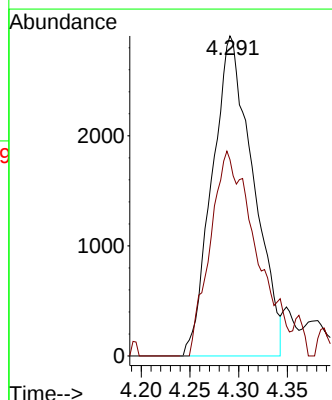
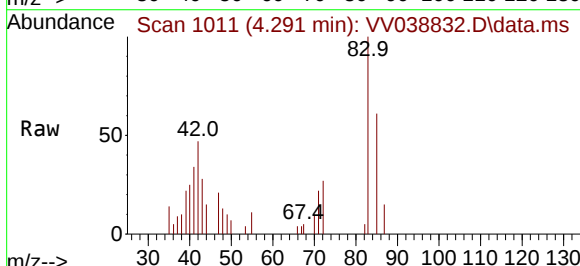
Acq: 02 Jul 2025 09:39

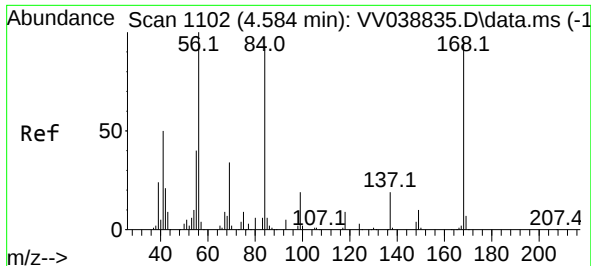
Tgt Ion: 83 Resp: 8523

Ion Ratio Lower Upper

83 100

85 61.3 51.8 77.6

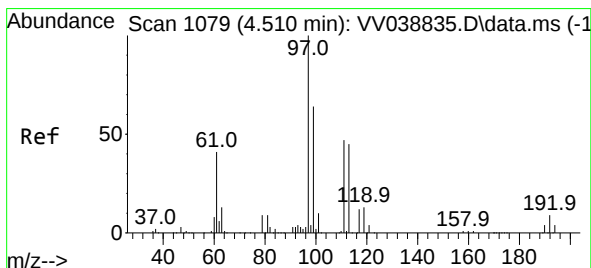
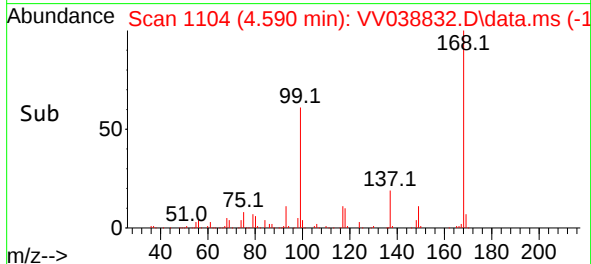
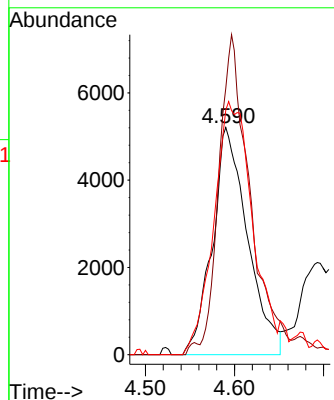
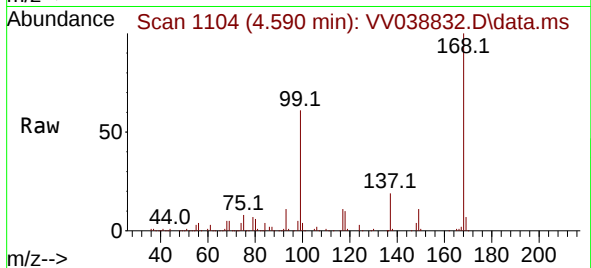




#31
Cyclohexane
Concen: 2.191 ug/l
RT: 4.590 min Scan# 1104
Delta R.T. 0.007 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

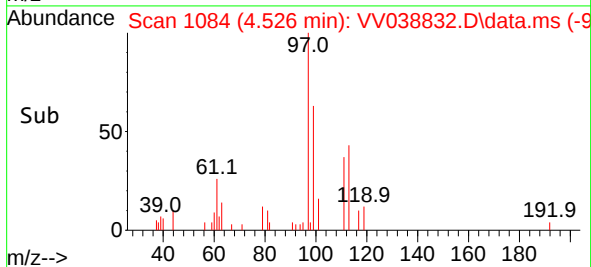
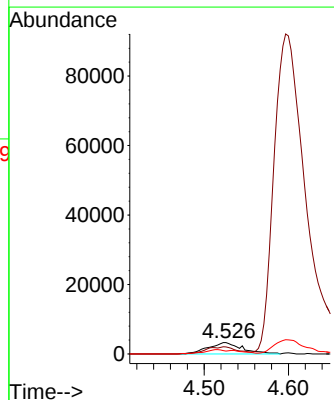
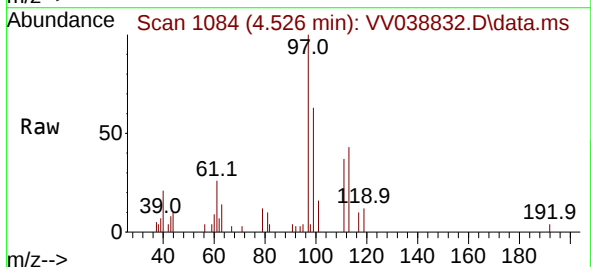
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

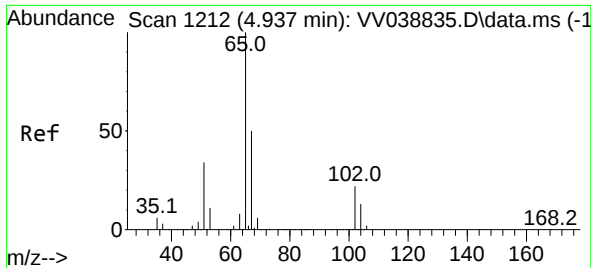
Tgt Ion: 56 Resp: 14260
Ion Ratio Lower Upper
56 100
69 117.3 27.0 40.4#
84 107.6 74.4 111.6



#32
1,1,1-Trichloroethane
Concen: 1.109 ug/l
RT: 4.526 min Scan# 1084
Delta R.T. 0.016 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

Tgt Ion: 97 Resp: 9222
Ion Ratio Lower Upper
97 100
99 0.0 48.8 73.2#
61 22.5 31.8 47.8#

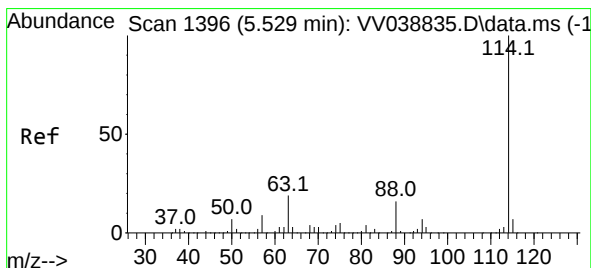
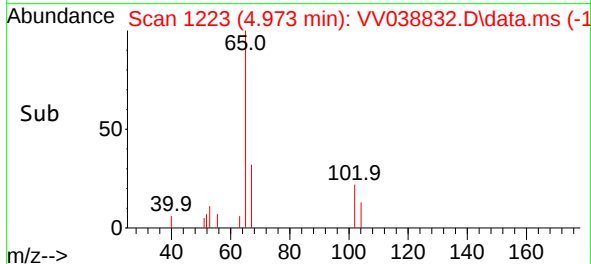
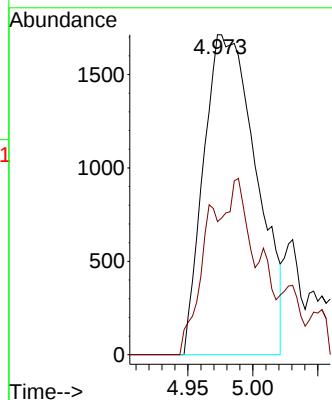
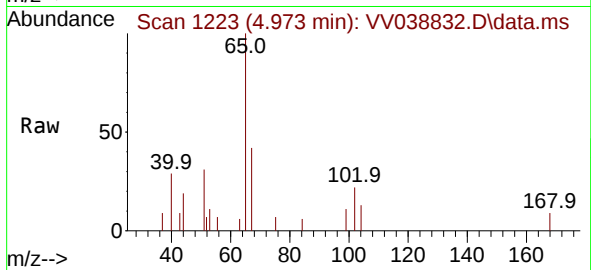




#33
1,2-Dichloroethane-d4
Concen: 1.006 ug/l
RT: 4.973 min Scan# 11
Delta R.T. 0.036 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

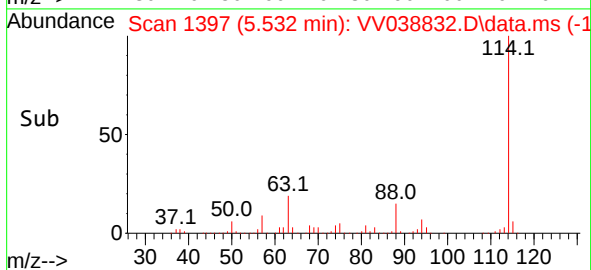
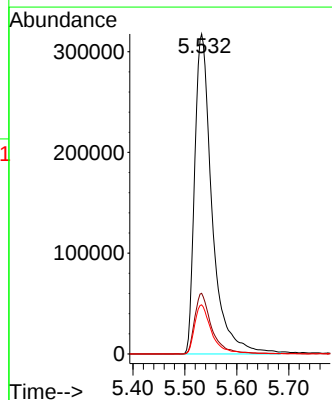
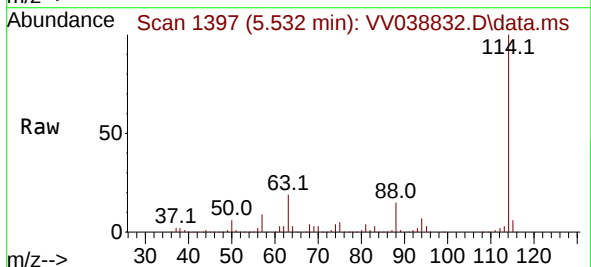
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

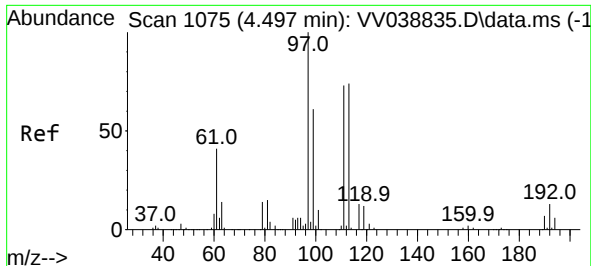
Tgt Ion: 65 Resp: 4842
Ion Ratio Lower Upper
65 100
67 16.6 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1397
Delta R.T. 0.003 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

Tgt Ion: 114 Resp: 738646
Ion Ratio Lower Upper
114 100
63 19.0 0.0 38.4
88 15.4 0.0 31.2

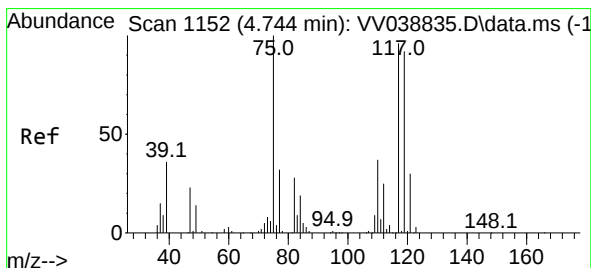
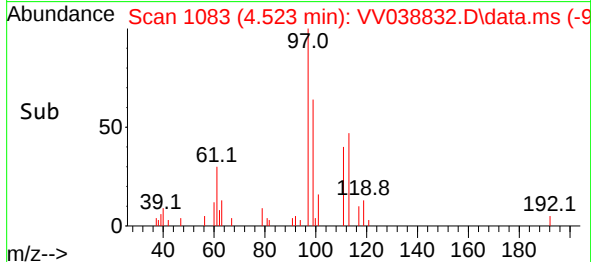
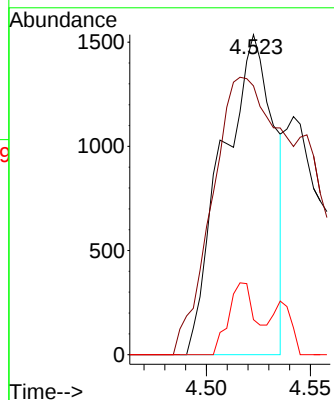
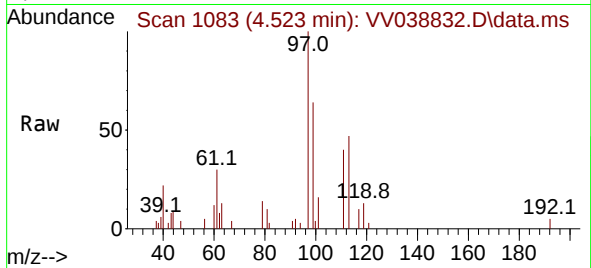




#35
Dibromofluoromethane
Concen: 0.567 ug/l
RT: 4.523 min Scan# 1108
Delta R.T. 0.026 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

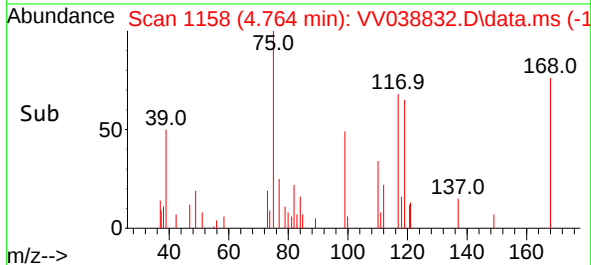
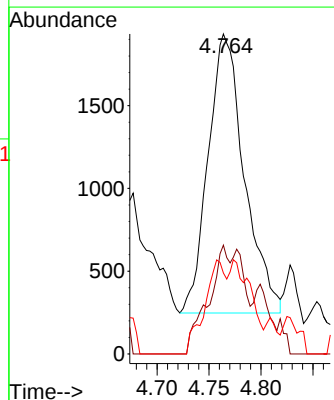
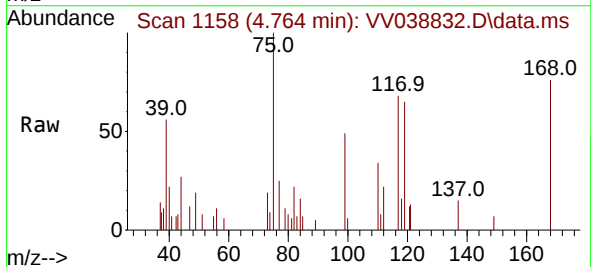
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

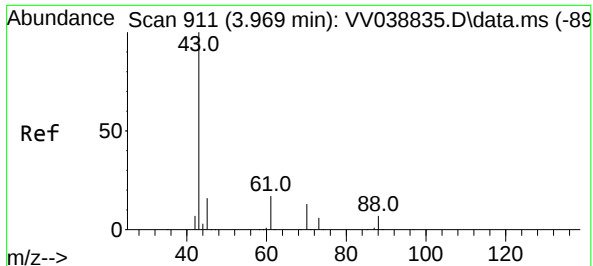
Tgt Ion:113 Resp: 2654
Ion Ratio Lower Upper
113 100
111 118.3 81.5 122.3
192 11.0 14.7 22.1#



#36
1,1-Dichloropropene
Concen: 0.720 ug/l
RT: 4.764 min Scan# 1158
Delta R.T. 0.019 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

Tgt Ion: 75 Resp: 4090
Ion Ratio Lower Upper
75 100
110 23.0 19.3 57.9
77 19.7 25.1 37.7#





#37

Ethyl Acetate

Concen: 0.956 ug/l

RT: 3.979 min Scan# 911

Delta R.T. 0.010 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC001

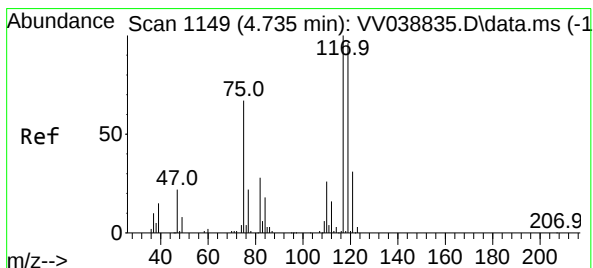
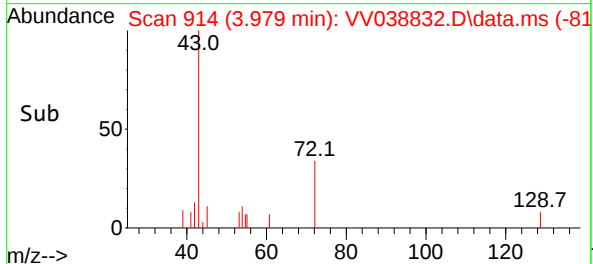
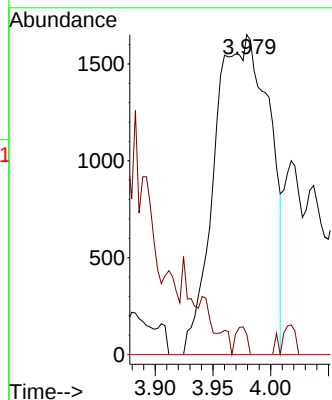
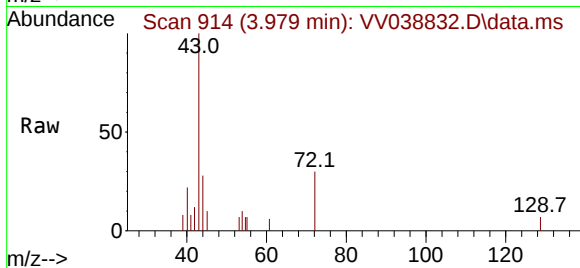
Tgt Ion: 43 Resp: 5456

Ion Ratio Lower Upper

43 100

61 1.7 13.0 19.4#

70 0.0 9.6 14.4#



#38

Carbon Tetrachloride

Concen: 0.949 ug/l

RT: 4.738 min Scan# 1150

Delta R.T. 0.003 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

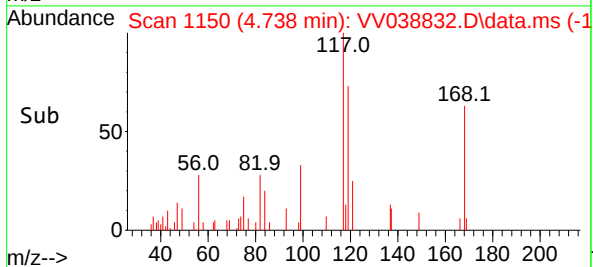
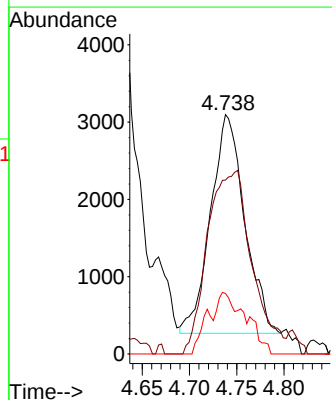
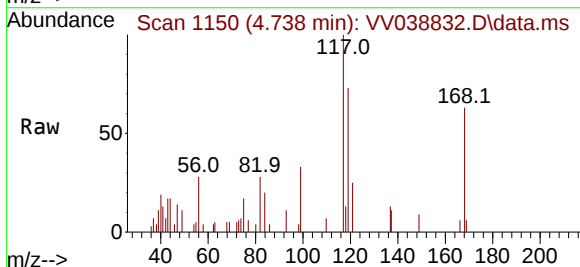
Tgt Ion: 117 Resp: 7094

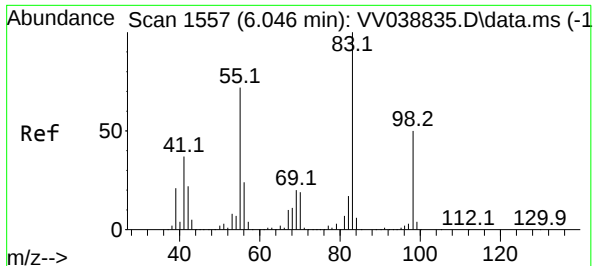
Ion Ratio Lower Upper

117 100

119 79.5 76.5 114.7

121 27.6 25.0 37.6





#39

Methylcyclohexane

Concen: 0.914 ug/l

RT: 6.043 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTDICC001

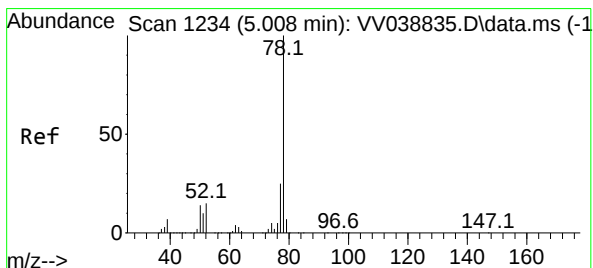
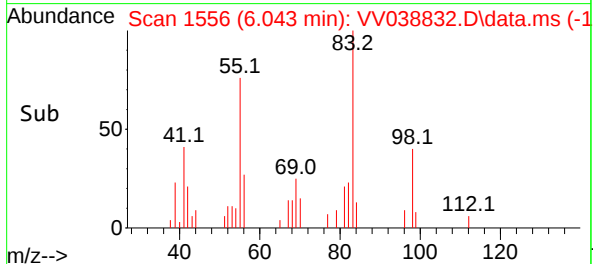
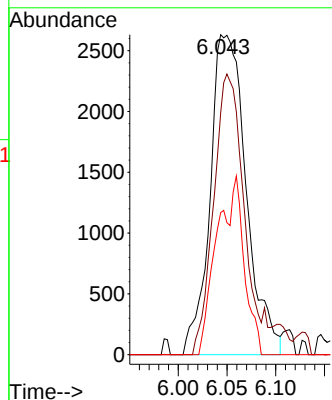
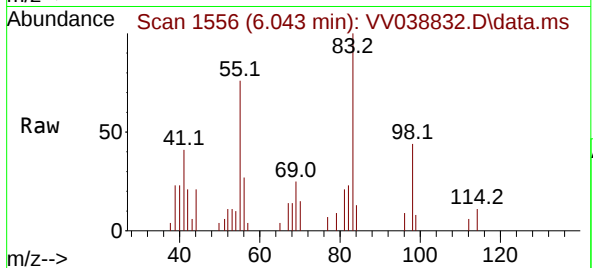
Tgt Ion: 83 Resp: 6786

Ion Ratio Lower Upper

83 100

55 75.6 57.7 86.5

98 44.4 40.2 60.2



#40

Benzene

Concen: 0.779 ug/l

RT: 5.034 min Scan# 1242

Delta R.T. 0.026 min

Lab File: VV038832.D

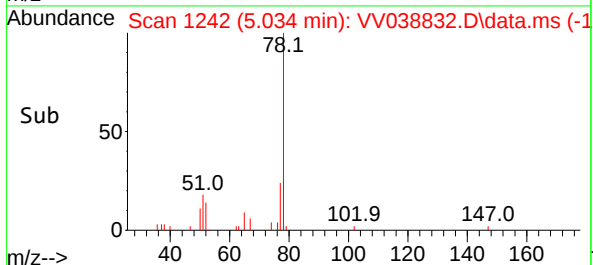
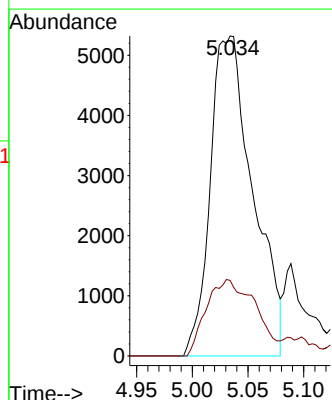
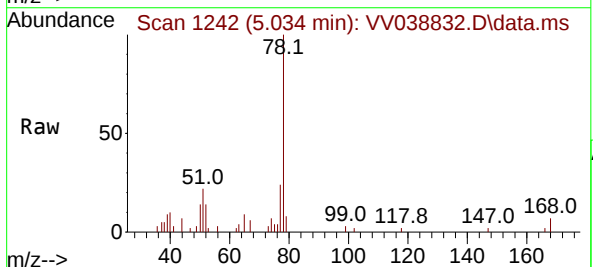
Acq: 02 Jul 2025 09:39

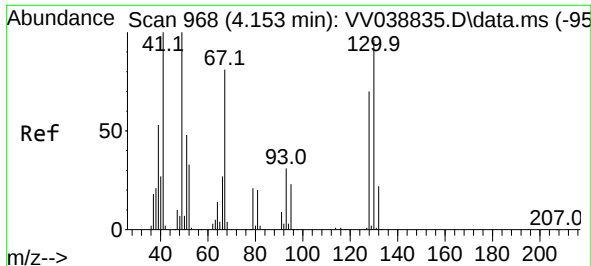
Tgt Ion: 78 Resp: 14182

Ion Ratio Lower Upper

78 100

77 23.6 19.6 29.4

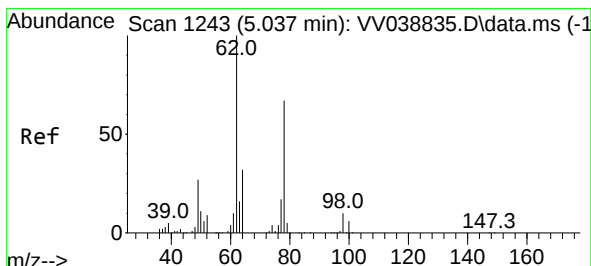
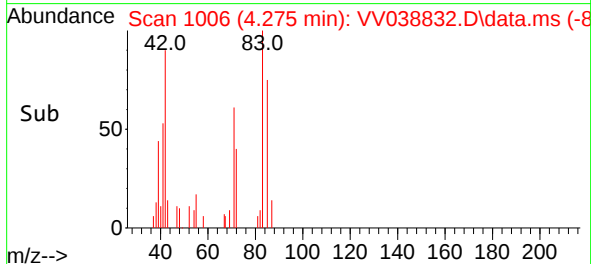
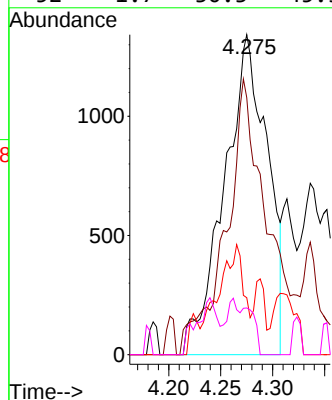
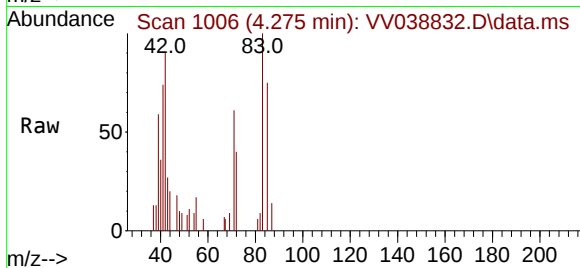




#41
Methacrylonitrile
Concen: 5.420 ug/l
RT: 4.275 min Scan# 1
Delta R.T. 0.122 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

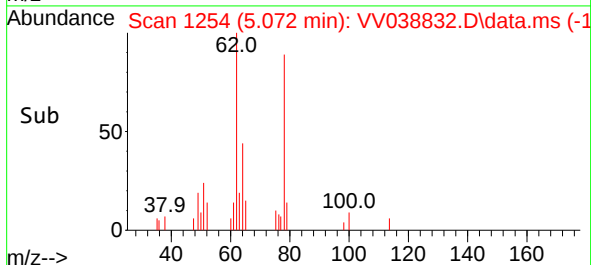
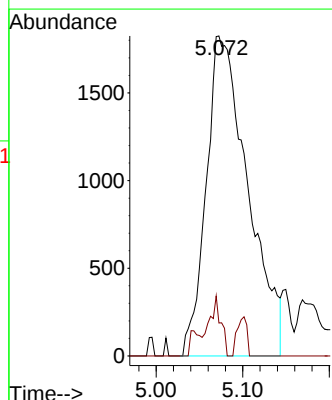
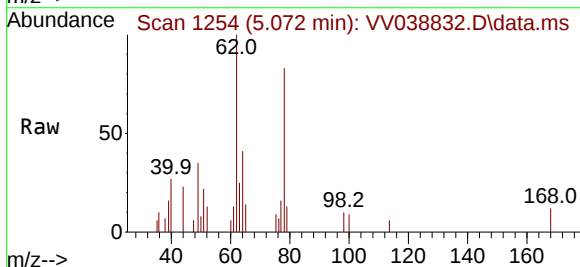
Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

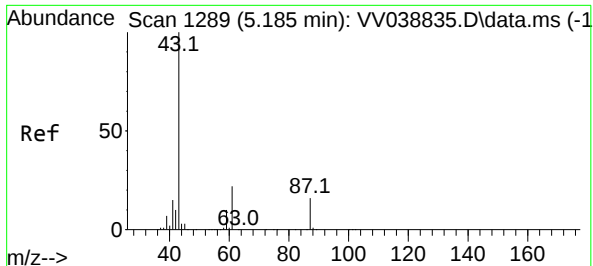
Tgt Ion: 41 Resp: 3867
Ion Ratio Lower Upper
41 100
39 81.7 43.8 65.8#
67 21.1 78.8 118.2#
52 1.7 30.3 45.5#



#42
1,2-Dichloroethane
Concen: 0.920 ug/l
RT: 5.072 min Scan# 1254
Delta R.T. 0.036 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

Tgt Ion: 62 Resp: 6107
Ion Ratio Lower Upper
62 100
98 5.1 0.0 19.0





#43

Isopropyl Acetate

Concen: 0.243 ug/l

RT: 5.233 min Scan# 11

Delta R.T. 0.048 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC001

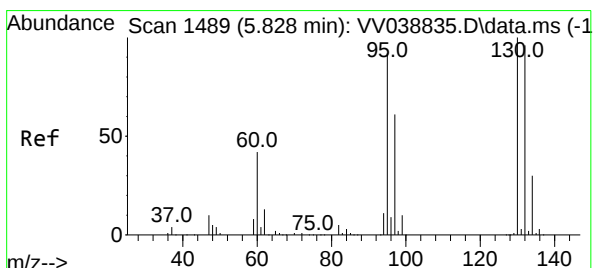
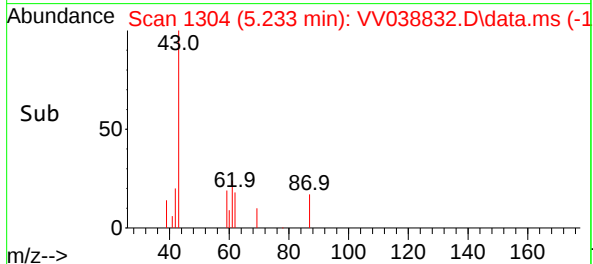
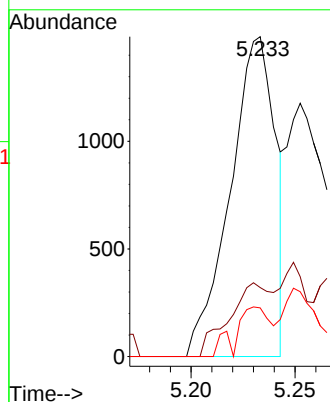
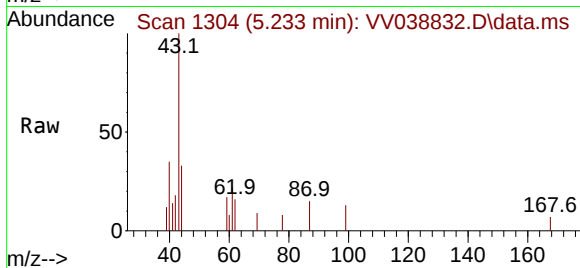
Tgt Ion: 43 Resp: 2238

Ion Ratio Lower Upper

43 100

61 22.0 17.0 25.6

87 12.0 13.0 19.6#



#44

Trichloroethene

Concen: 0.919 ug/l

RT: 5.851 min Scan# 1496

Delta R.T. 0.023 min

Lab File: VV038832.D

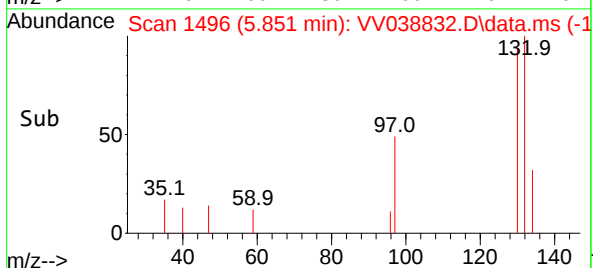
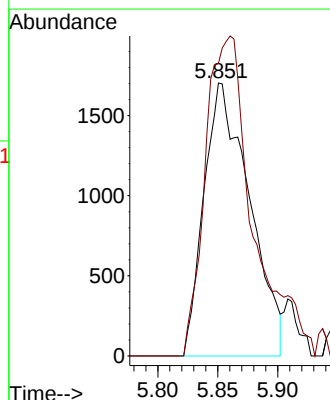
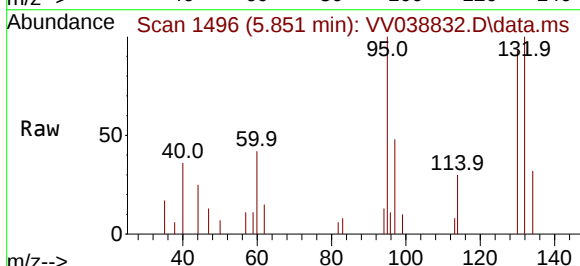
Acq: 02 Jul 2025 09:39

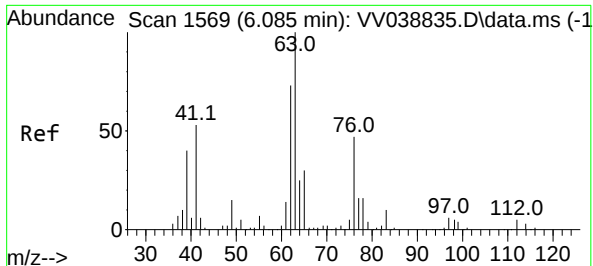
Tgt Ion:130 Resp: 4495

Ion Ratio Lower Upper

130 100

95 107.2 0.0 184.4

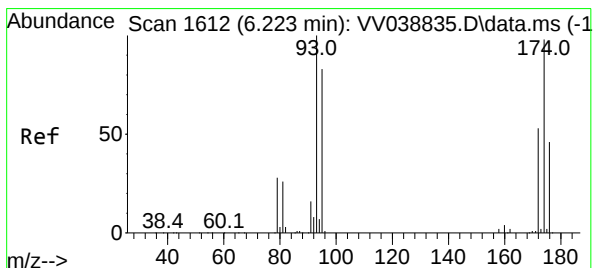
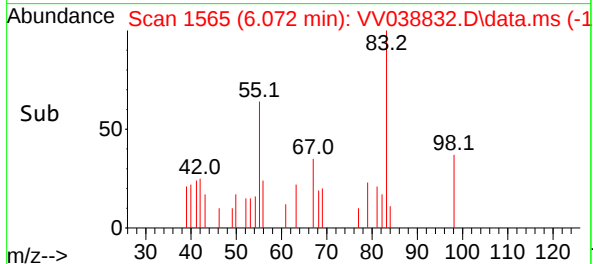
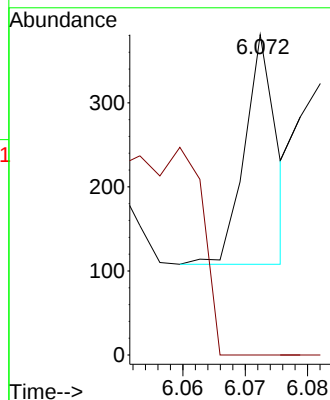
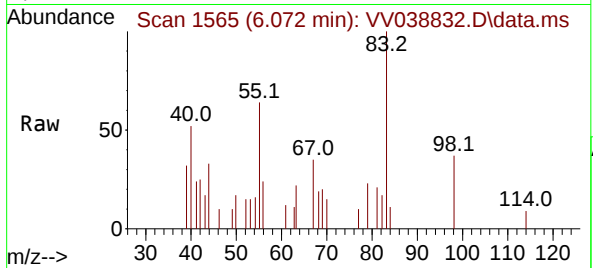




#45
1,2-Dichloropropane
Concen: 0.021 ug/l
RT: 6.072 min Scan# 1565
Delta R.T. -0.013 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

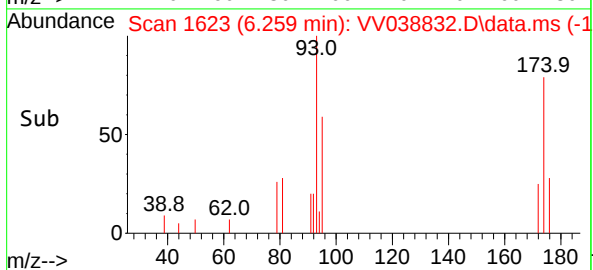
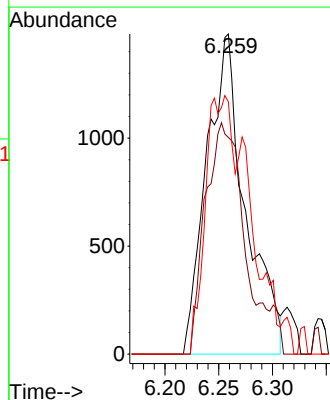
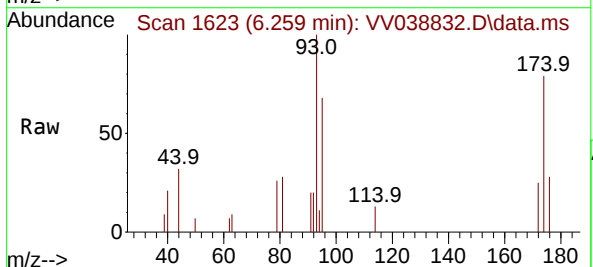
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

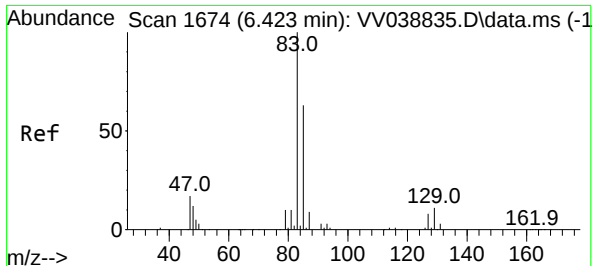
Tgt Ion: 63 Resp: 97
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#



#46
Dibromomethane
Concen: 0.998 ug/l
RT: 6.259 min Scan# 1623
Delta R.T. 0.036 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

Tgt Ion: 93 Resp: 3704
Ion Ratio Lower Upper
93 100
95 75.0 66.7 100.1
174 29.7 78.7 118.1#





#47

Bromodichloromethane

Concen: 1.036 ug/l

RT: 6.449 min Scan# 1

Delta R.T. 0.026 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC001

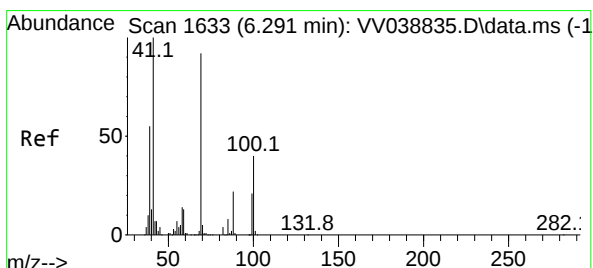
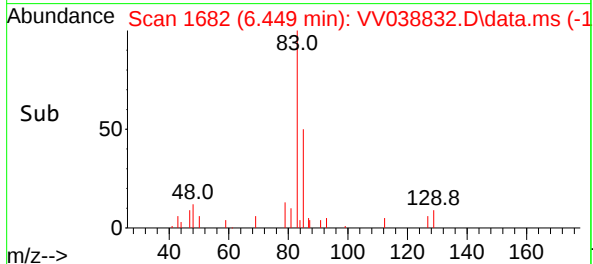
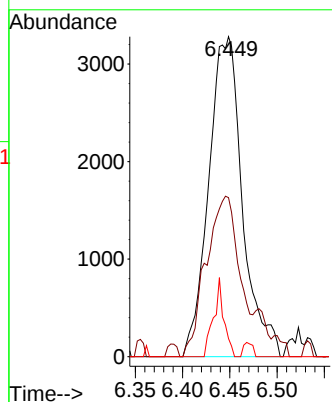
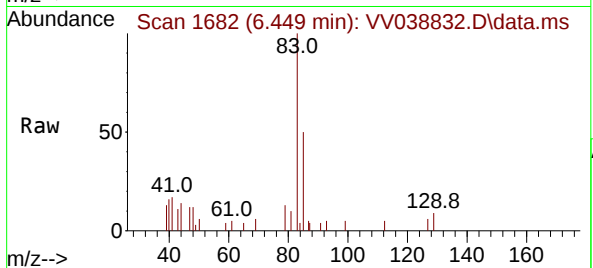
Tgt Ion: 83 Resp: 8148

Ion Ratio Lower Upper

83 100

85 49.7 50.1 75.1#

127 5.7 6.6 10.0#



#48

Methyl methacrylate

Concen: 0.033 ug/l

RT: 6.317 min Scan# 1641

Delta R.T. 0.026 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

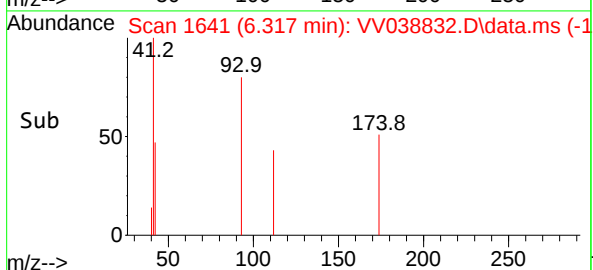
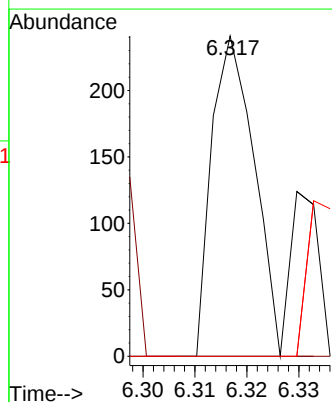
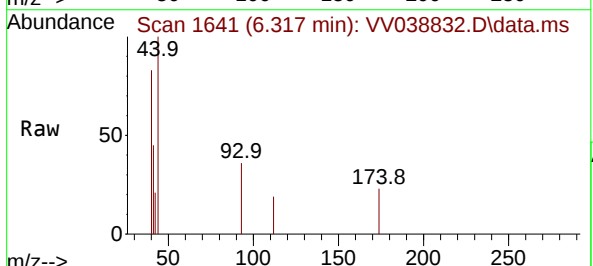
Tgt Ion: 41 Resp: 137

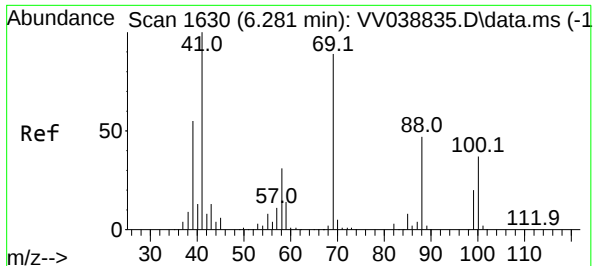
Ion Ratio Lower Upper

41 100

69 0.0 77.4 116.2#

39 0.0 44.2 66.4#





#49

1,4-Dioxane

Concen: 5.037 ug/l

RT: 6.339 min Scan# 1

Delta R.T. 0.058 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTDICC001

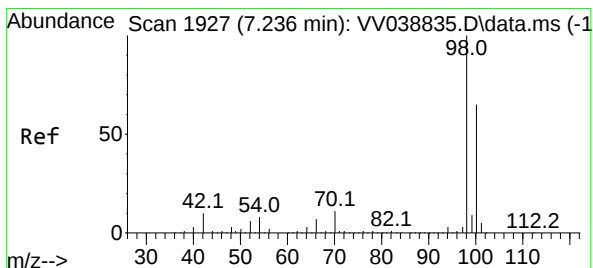
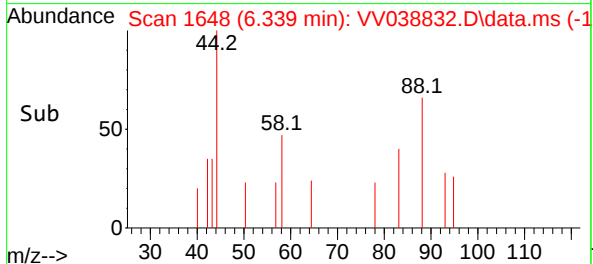
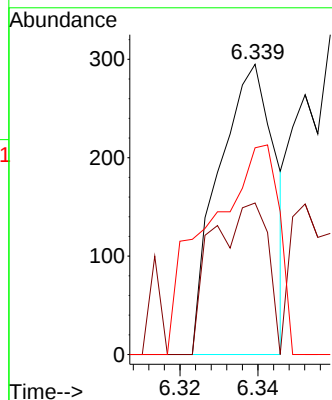
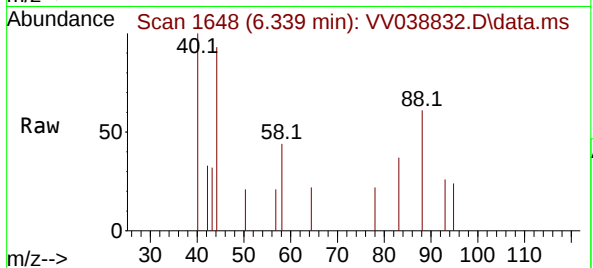
Tgt Ion: 88 Resp: 296

Ion Ratio Lower Upper

88 100

43 51.4 25.2 37.8#

58 90.5 52.1 78.1#



#50

Toluene-d8

Concen: 0.852 ug/l

RT: 7.256 min Scan# 1933

Delta R.T. 0.019 min

Lab File: VV038832.D

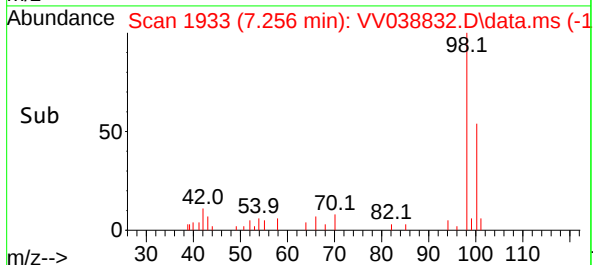
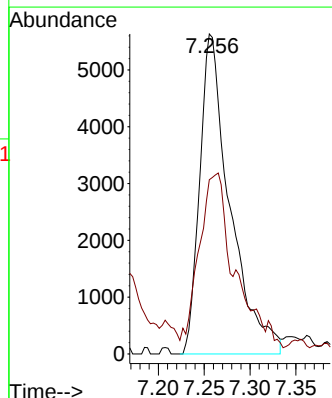
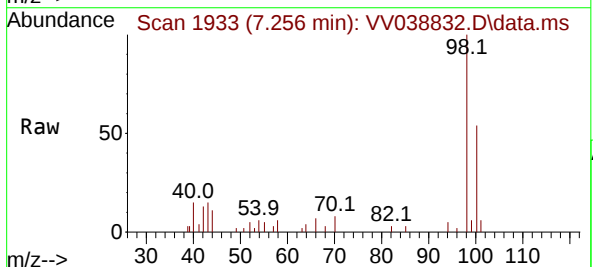
Acq: 02 Jul 2025 09:39

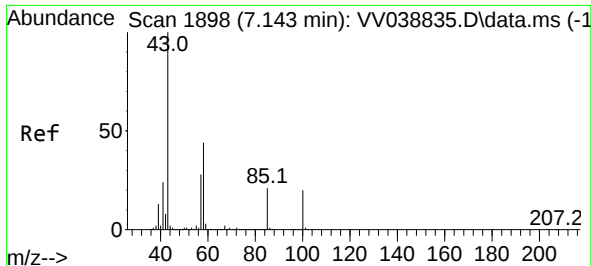
Tgt Ion: 98 Resp: 12902

Ion Ratio Lower Upper

98 100

100 56.7 53.0 79.4





#51

4-Methyl-2-Pentanone

Concen: 3.518 ug/l

RT: 7.166 min Scan# 1905

Delta R.T. 0.023 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

Instrument :

MSVOA_V

ClientSampleId :

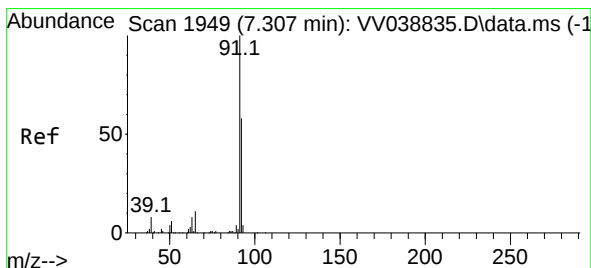
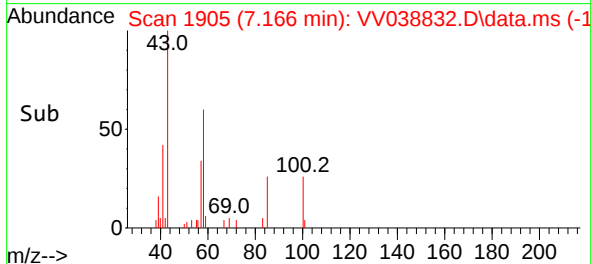
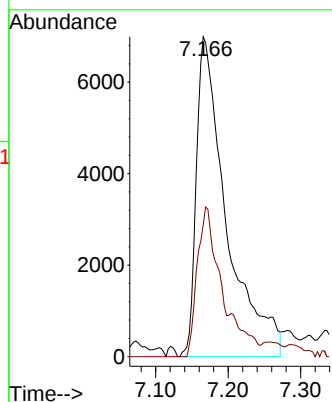
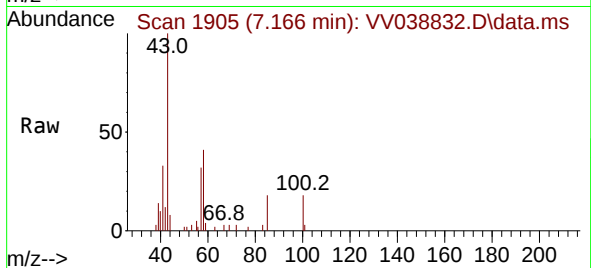
VSTDIC001

Tgt Ion: 43 Resp: 20194

Ion Ratio Lower Upper

43 100

58 39.1 34.4 51.6



#52

Toluene

Concen: 0.731 ug/l

RT: 7.333 min Scan# 1957

Delta R.T. 0.026 min

Lab File: VV038832.D

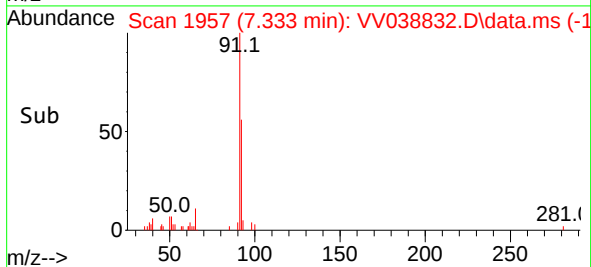
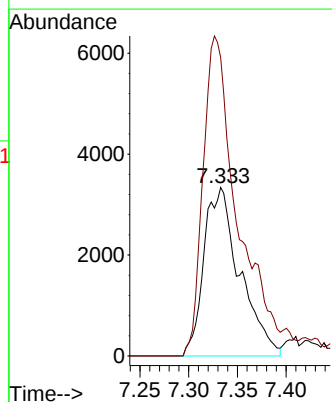
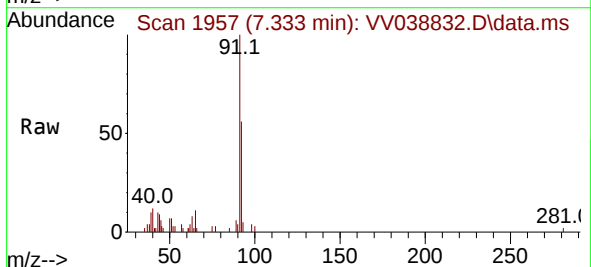
Acq: 02 Jul 2025 09:39

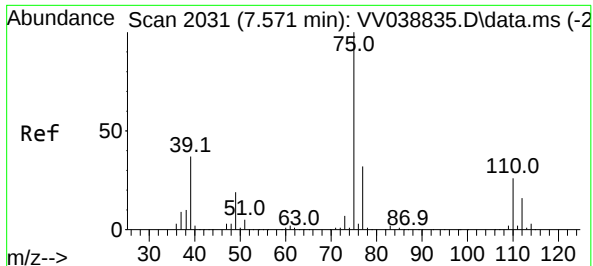
Tgt Ion: 92 Resp: 8558

Ion Ratio Lower Upper

92 100

91 182.0 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 0.730 ug/l

RT: 7.609 min Scan# 2031

Delta R.T. 0.039 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

Instrument :

MSVOA_V

ClientSampleId :

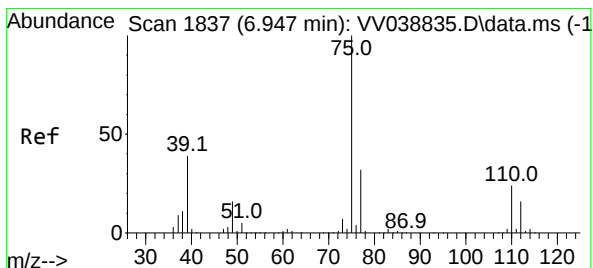
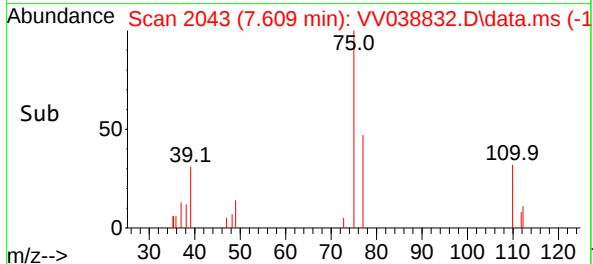
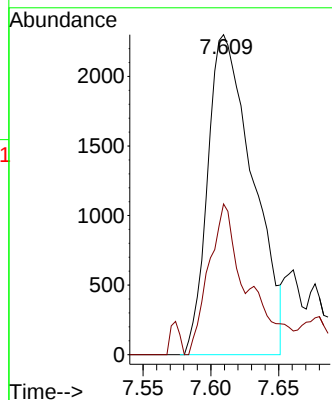
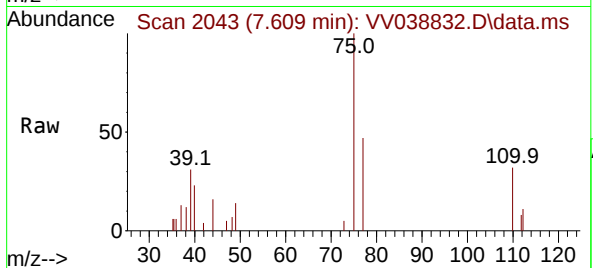
VSTDIC001

Tgt Ion: 75 Resp: 5334

Ion Ratio Lower Upper

75 100

77 40.8 25.4 38.2#



#54

cis-1,3-Dichloropropene

Concen: 0.770 ug/l

RT: 6.973 min Scan# 1845

Delta R.T. 0.026 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

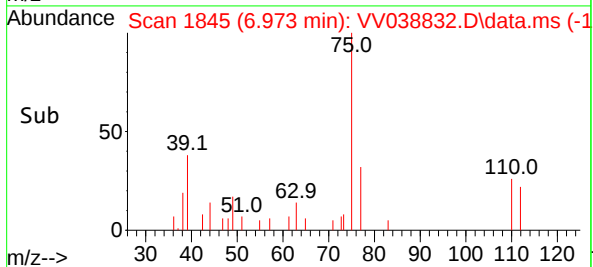
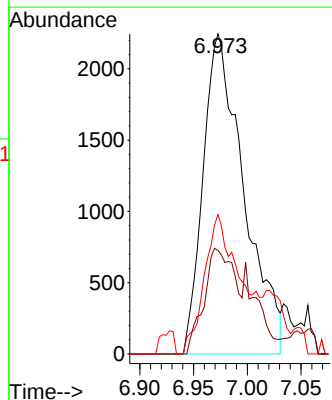
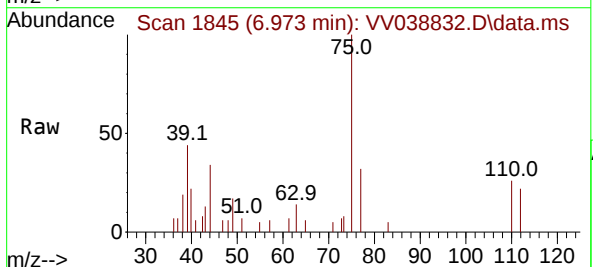
Tgt Ion: 75 Resp: 5923

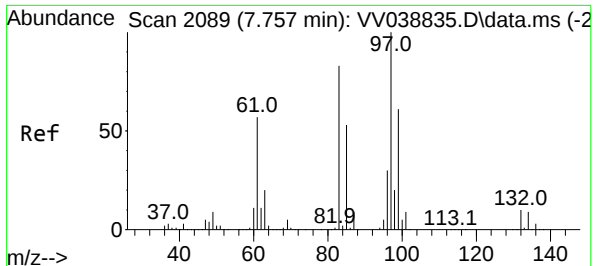
Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.8

39 43.6 31.3 46.9





#55

1,1,2-Trichloroethane

Concen: 0.904 ug/l

RT: 7.777 min Scan# 2089

Delta R.T. 0.019 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 4629

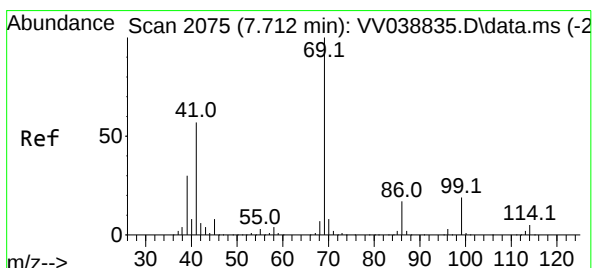
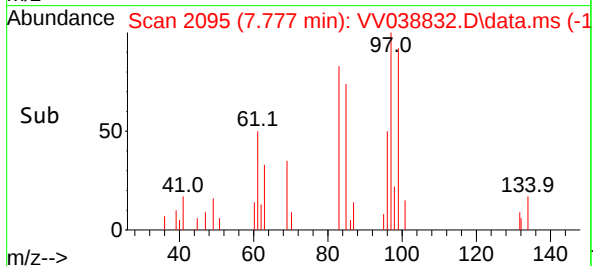
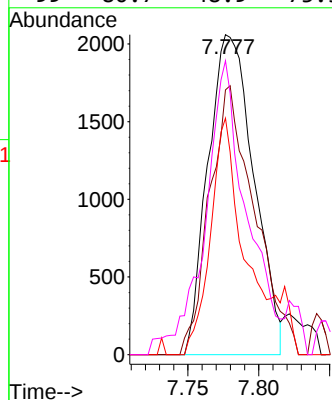
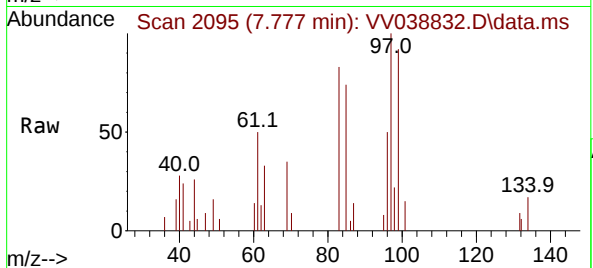
Ion Ratio Lower Upper

97 100

83 82.8 66.2 99.4

85 73.9 42.2 63.4#

99 80.7 48.9 73.3#



#56

Ethyl methacrylate

Concen: 0.462 ug/l

RT: 7.748 min Scan# 2086

Delta R.T. 0.036 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

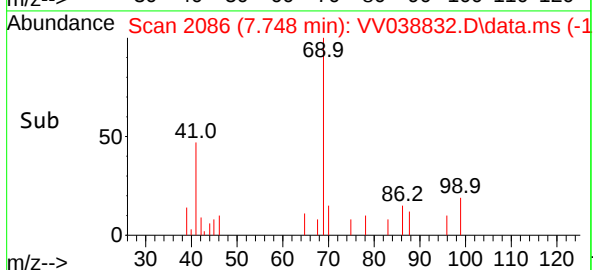
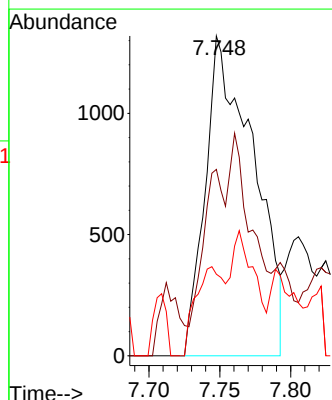
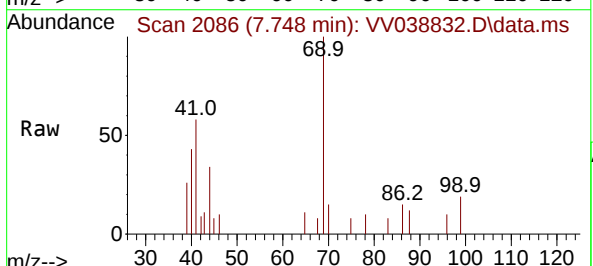
Tgt Ion: 69 Resp: 3111

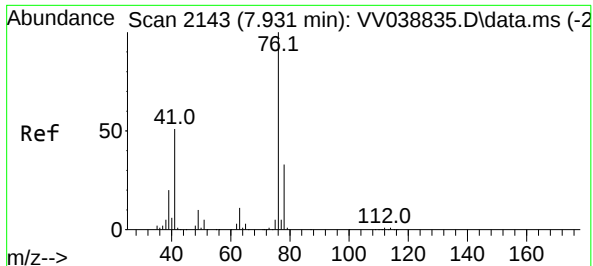
Ion Ratio Lower Upper

69 100

41 21.5 46.1 69.1#

39 16.4 24.1 36.1#





#57

1,3-Dichloropropane

Concen: 0.913 ug/l

RT: 7.950 min Scan# 2149

Delta R.T. 0.019 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

Instrument :

MSVOA_V

ClientSampleId :

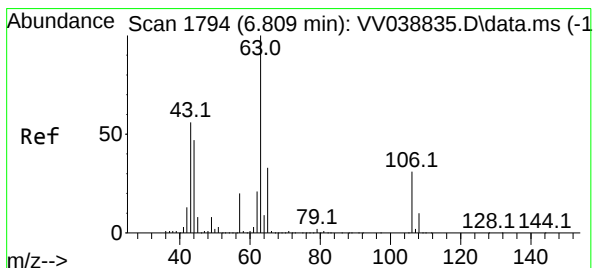
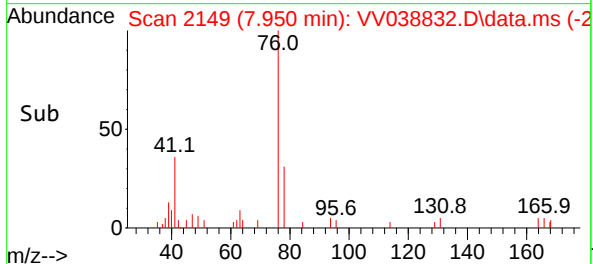
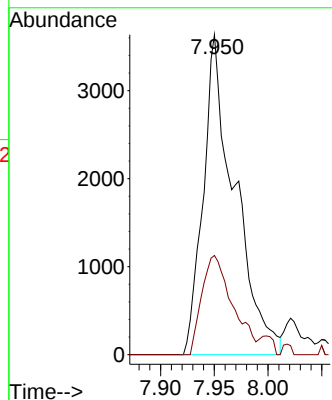
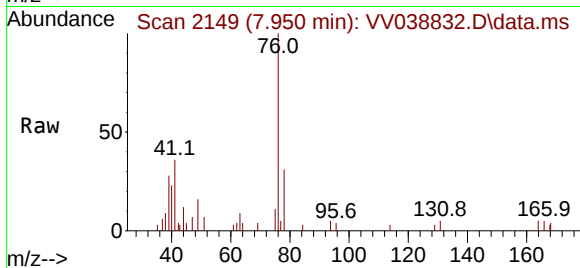
VSTDIC001

Tgt Ion: 76 Resp: 7367

Ion Ratio Lower Upper

76 100

78 30.5 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 3.110 ug/l

RT: 6.844 min Scan# 1805

Delta R.T. 0.036 min

Lab File: VV038832.D

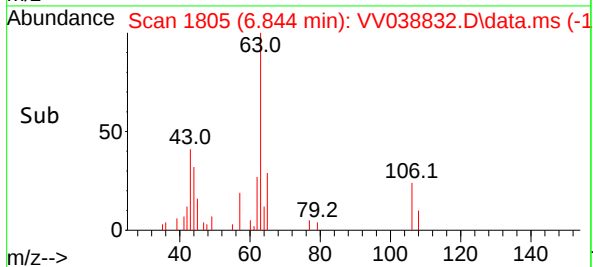
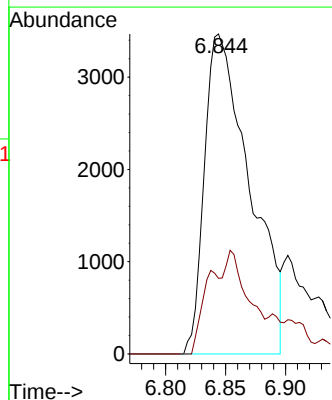
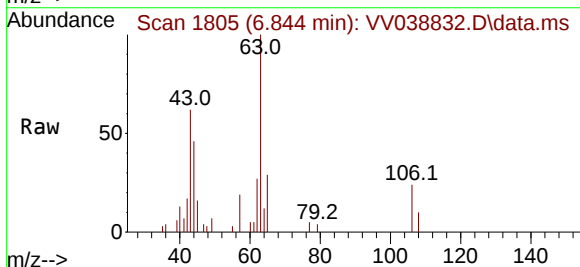
Acq: 02 Jul 2025 09:39

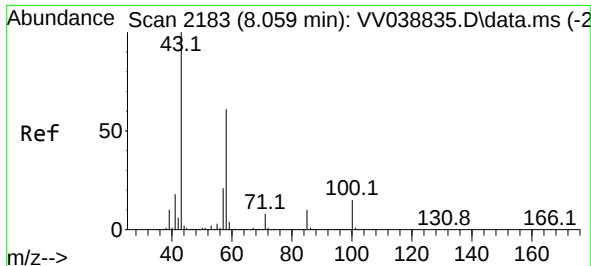
Tgt Ion: 63 Resp: 9150

Ion Ratio Lower Upper

63 100

106 9.7 24.6 37.0#





#59

2-Hexanone

Concen: 1.680 ug/l

RT: 8.101 min Scan# 2196

Delta R.T. 0.042 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

Instrument :

MSVOA_V

ClientSampleId :

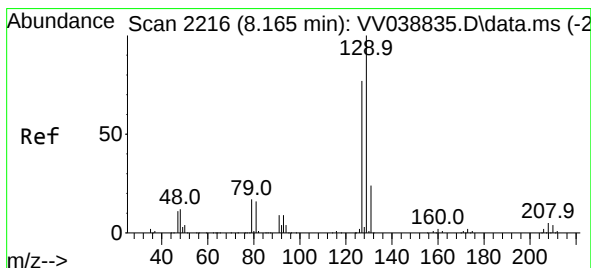
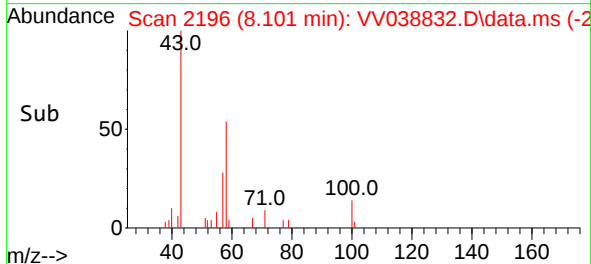
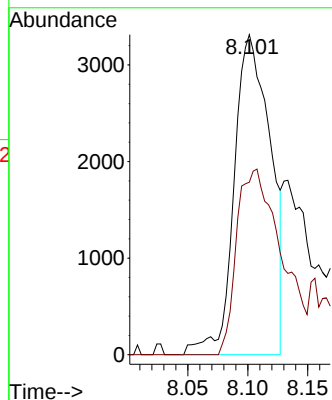
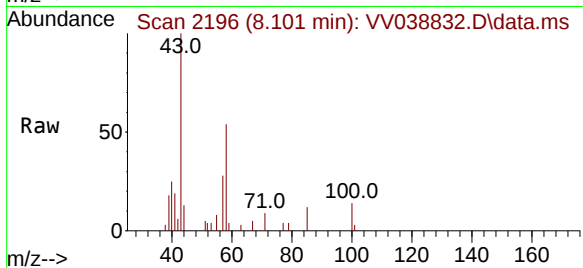
VSTDIC001

Tgt Ion: 43 Resp: 6989

Ion Ratio Lower Upper

43 100

58 71.4 30.3 91.0



#60

Dibromochloromethane

Concen: 1.004 ug/l

RT: 8.178 min Scan# 2220

Delta R.T. 0.013 min

Lab File: VV038832.D

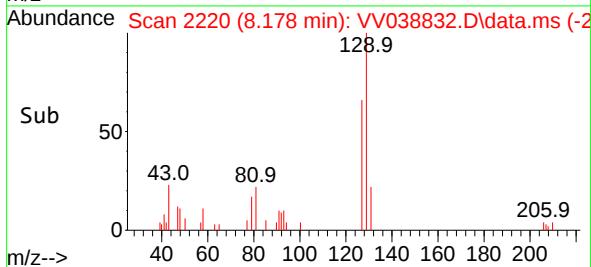
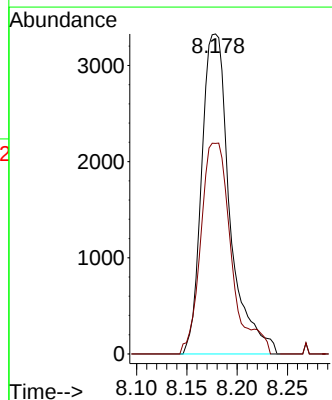
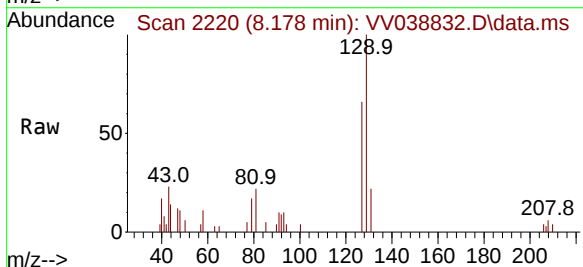
Acq: 02 Jul 2025 09:39

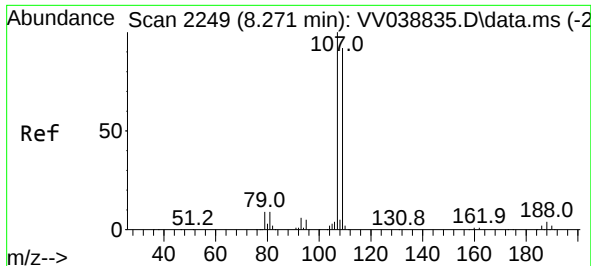
Tgt Ion: 129 Resp: 6477

Ion Ratio Lower Upper

129 100

127 71.2 38.2 114.6





#61

1,2-Dibromoethane

Concen: 0.741 ug/l

RT: 8.294 min Scan# 21

Delta R.T. 0.023 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

Instrument :

MSVOA_V

ClientSampleId :

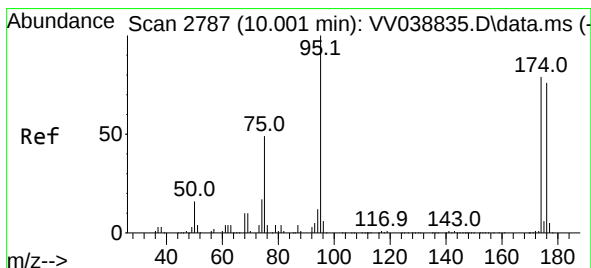
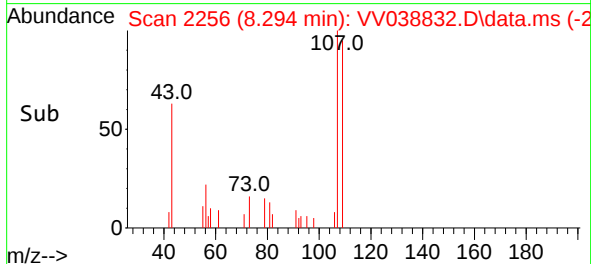
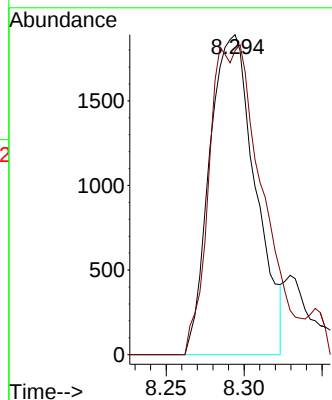
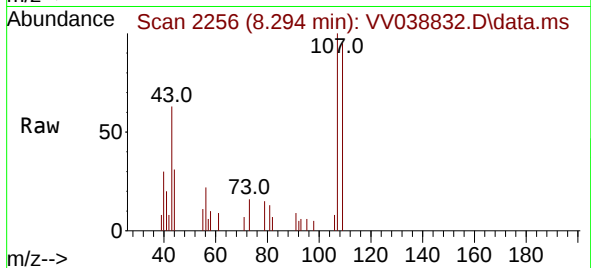
VSTDIC001

Tgt Ion:107 Resp: 3853

Ion Ratio Lower Upper

107 100

109 47.9 74.8 112.2#



#62

4-Bromofluorobenzene

Concen: 0.756 ug/l

RT: 10.021 min Scan# 2793

Delta R.T. 0.019 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

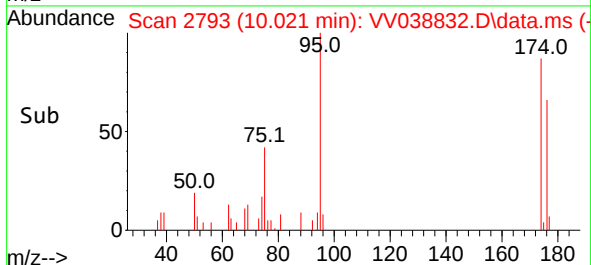
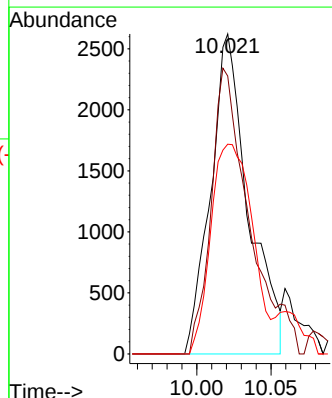
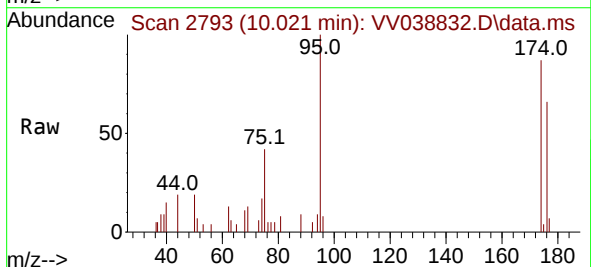
Tgt Ion: 95 Resp: 4623

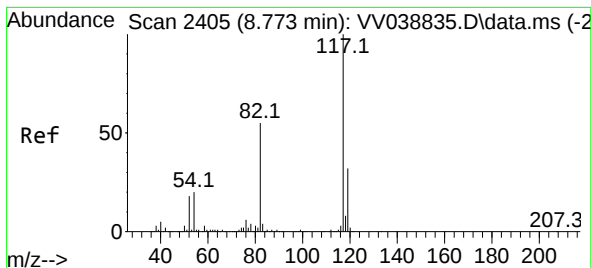
Ion Ratio Lower Upper

95 100

174 89.9 0.0 158.2

176 72.2 0.0 154.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.773 min Scan# 2405

Delta R.T. 0.000 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC001

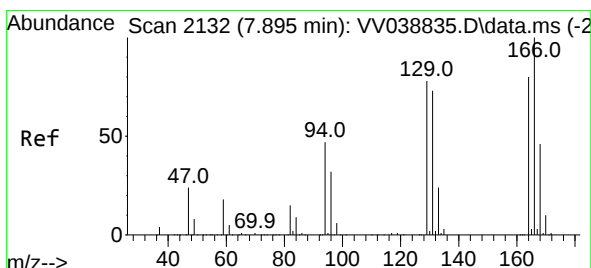
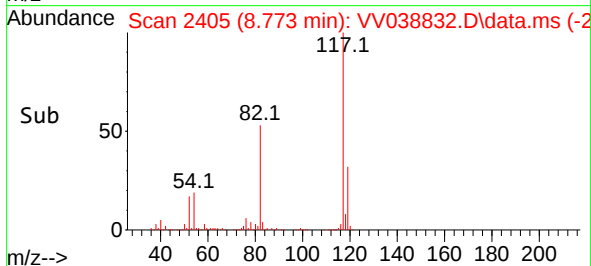
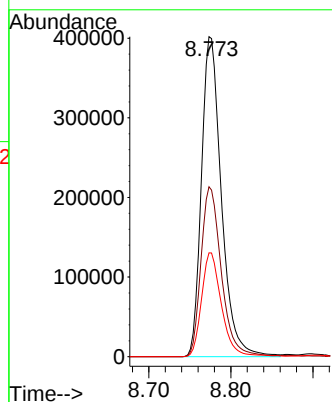
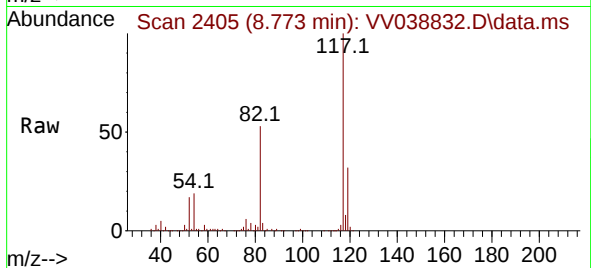
Tgt Ion:117 Resp: 679439

Ion Ratio Lower Upper

117 100

82 53.1 44.2 66.4

119 32.5 25.5 38.3



#64

Tetrachloroethene

Concen: 1.091 ug/l

RT: 7.902 min Scan# 2134

Delta R.T. 0.007 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

Tgt Ion:164 Resp: 4766

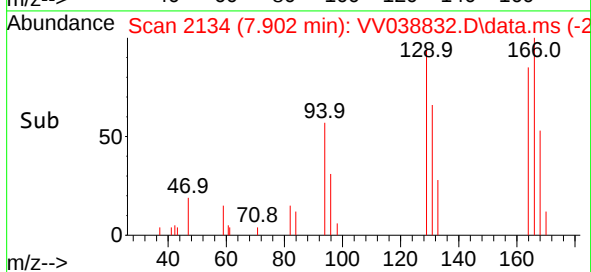
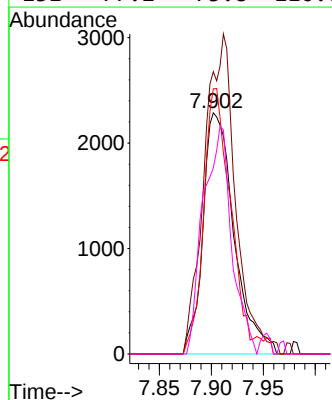
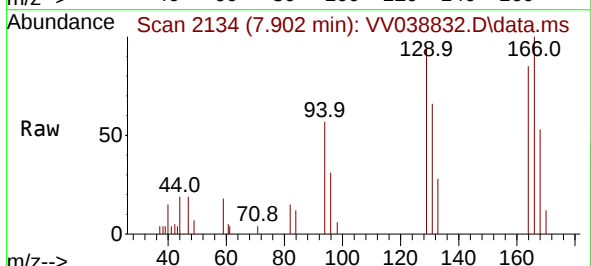
Ion Ratio Lower Upper

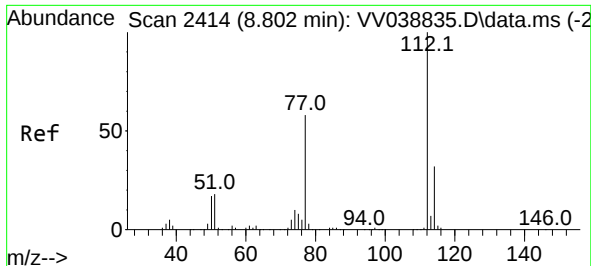
164 100

166 117.1 100.6 151.0

129 110.0 78.4 117.6

131 77.2 73.8 110.6

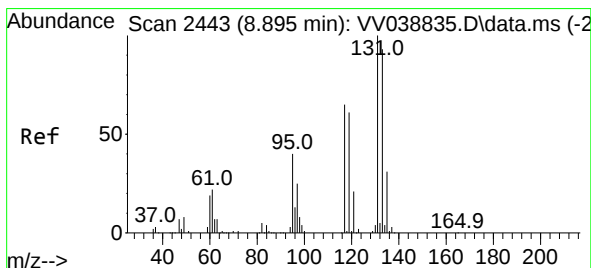
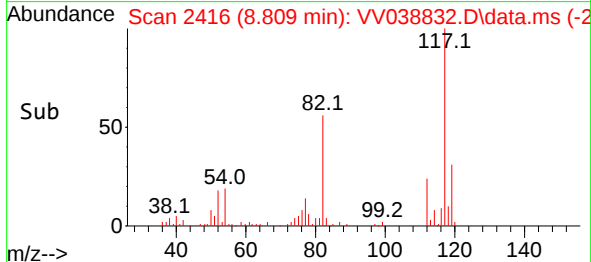
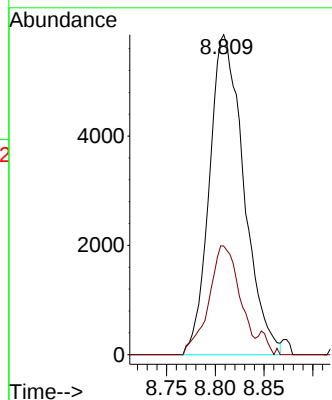
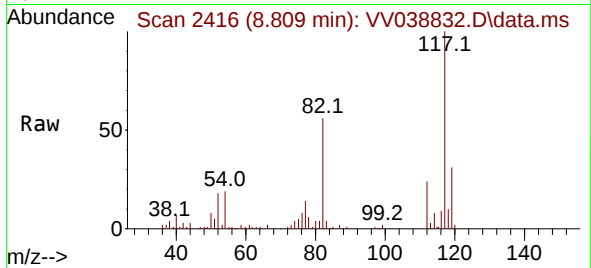




#65
Chlorobenzene
Concen: 1.004 ug/l
RT: 8.809 min Scan# 2414
Delta R.T. 0.007 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

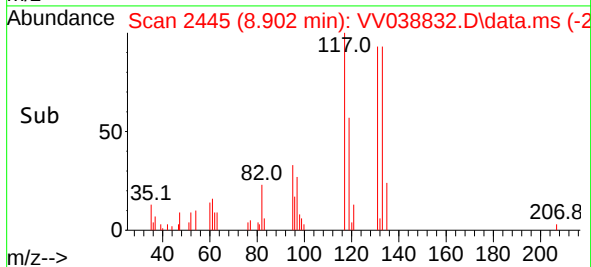
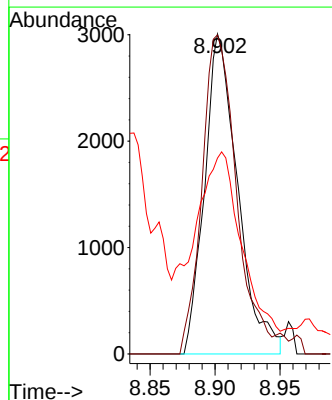
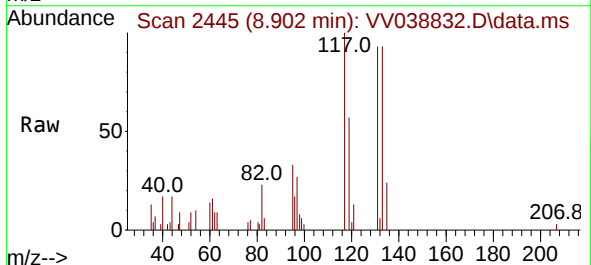
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

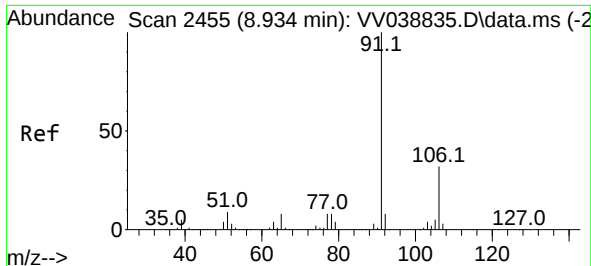
Tgt Ion:112 Resp: 14382
Ion Ratio Lower Upper
112 100
114 34.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 0.998 ug/l
RT: 8.902 min Scan# 2445
Delta R.T. 0.007 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

Tgt Ion:131 Resp: 5334
Ion Ratio Lower Upper
131 100
133 103.5 47.3 142.0
119 0.0 31.0 93.0#





#67

Ethyl Benzene

Concen: 0.823 ug/l

RT: 8.953 min Scan# 2455

Delta R.T. 0.019 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

Instrument :

MSVOA_V

ClientSampleId :

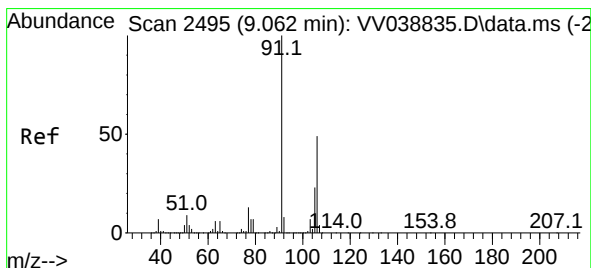
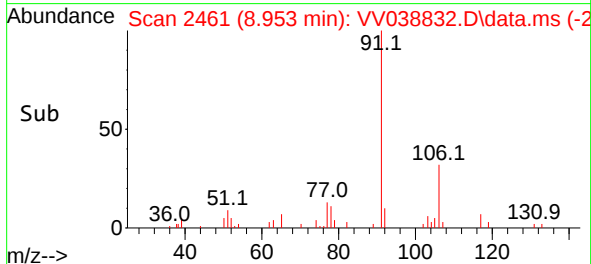
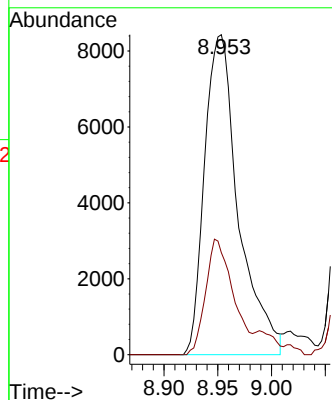
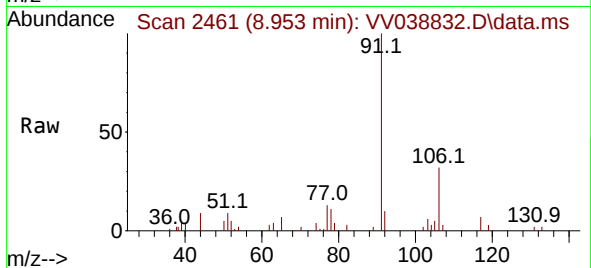
VSTDIC001

Tgt Ion: 91 Resp: 18460

Ion Ratio Lower Upper

91 100

106 31.9 25.2 37.8



#68

m/p-Xylenes

Concen: 1.380 ug/l

RT: 9.072 min Scan# 2498

Delta R.T. 0.010 min

Lab File: VV038832.D

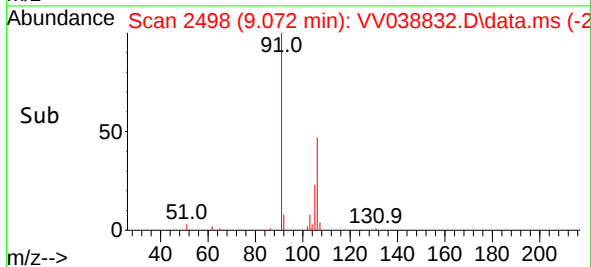
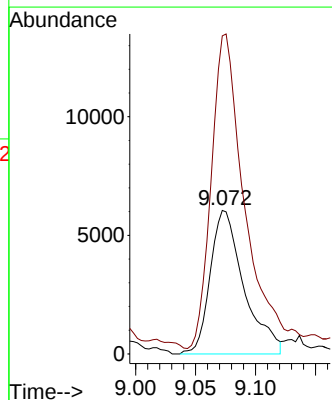
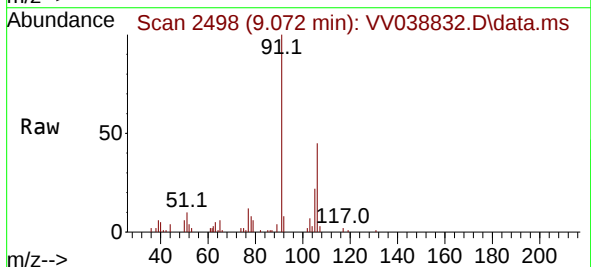
Acq: 02 Jul 2025 09:39

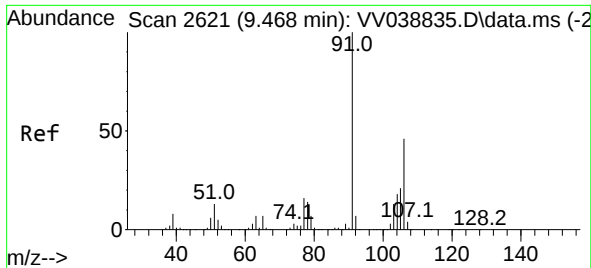
Tgt Ion: 106 Resp: 11858

Ion Ratio Lower Upper

106 100

91 217.6 162.9 244.3

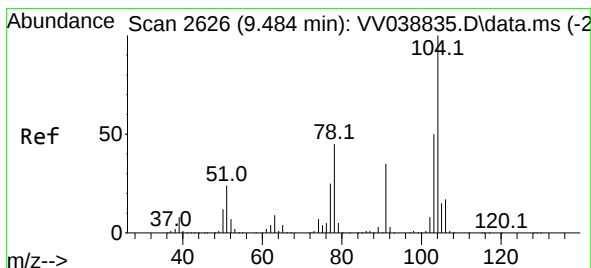
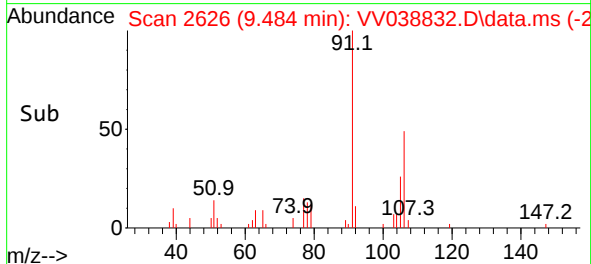
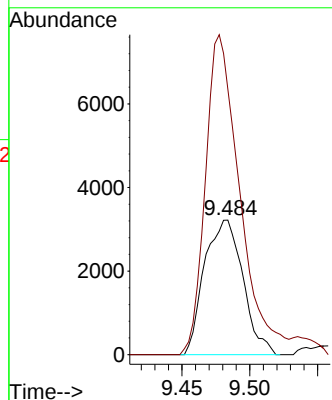
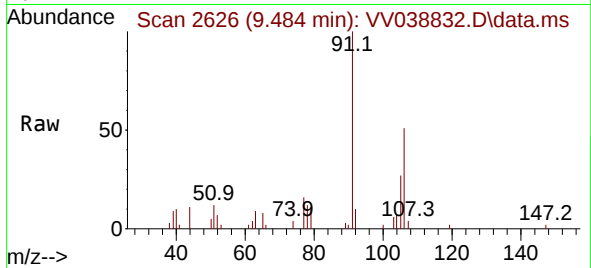




#69
o-Xylene
Concen: 0.774 ug/l
RT: 9.484 min Scan# 2626
Delta R.T. 0.016 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

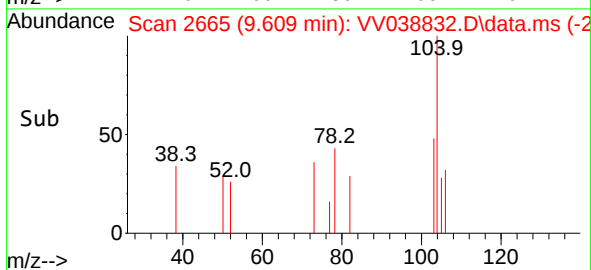
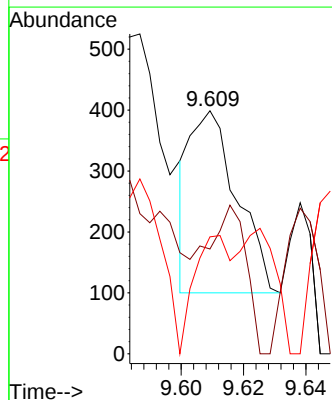
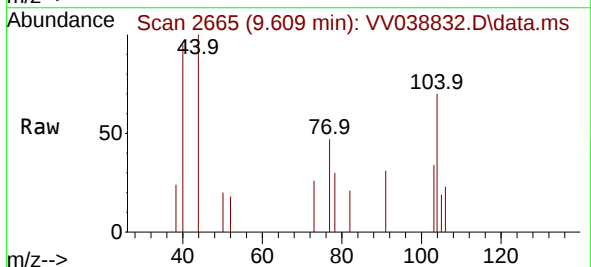
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

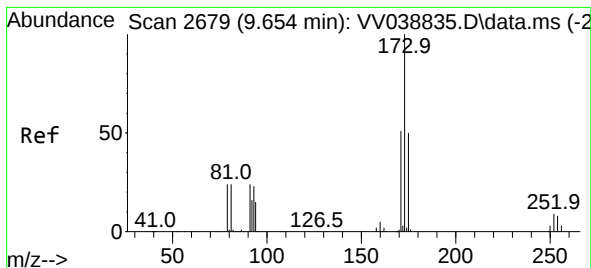
Tgt Ion:106 Resp: 6352
Ion Ratio Lower Upper
106 100
91 212.7 107.6 322.8



#70
Styrene
Concen: 0.022 ug/l
RT: 9.609 min Scan# 2665
Delta R.T. 0.126 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

Tgt Ion:104 Resp: 315
Ion Ratio Lower Upper
104 100
78 48.3 39.9 59.9
103 49.2 43.4 65.0





#71

Bromoform

Concen: 0.884 ug/l

RT: 9.664 min Scan# 2

Delta R.T. 0.010 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTDICC001

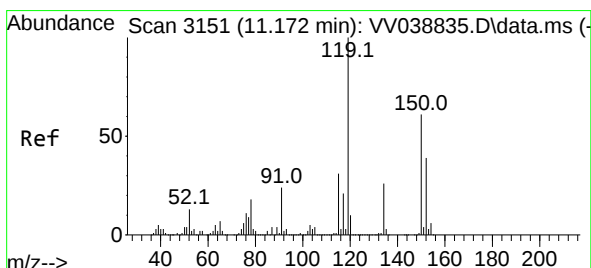
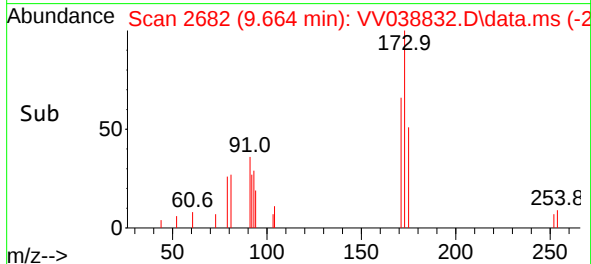
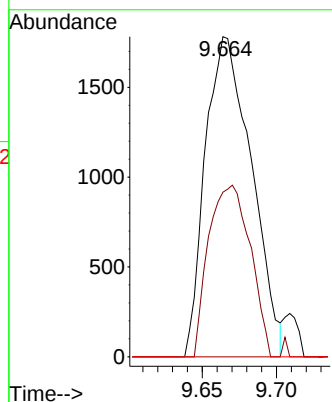
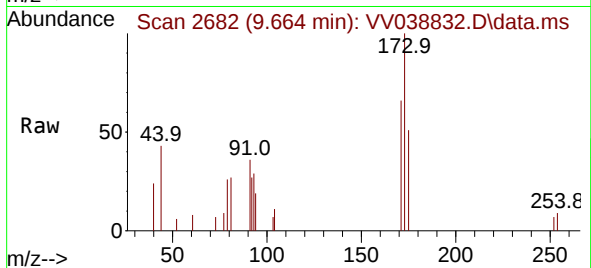
Tgt Ion:173 Resp: 3843

Ion Ratio Lower Upper

173 100

175 48.4 24.3 72.9

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.175 min Scan# 3152

Delta R.T. 0.003 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

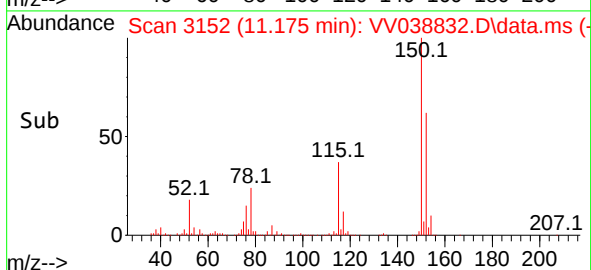
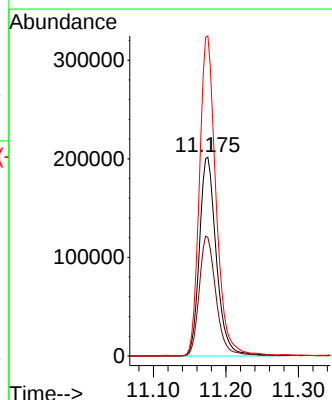
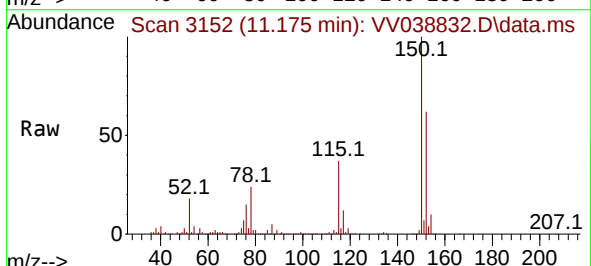
Tgt Ion:152 Resp: 327124

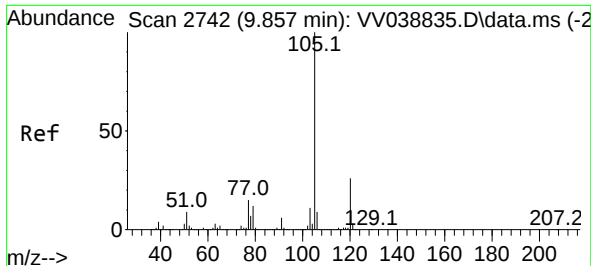
Ion Ratio Lower Upper

152 100

115 60.0 42.0 126.0

150 157.0 0.0 343.6

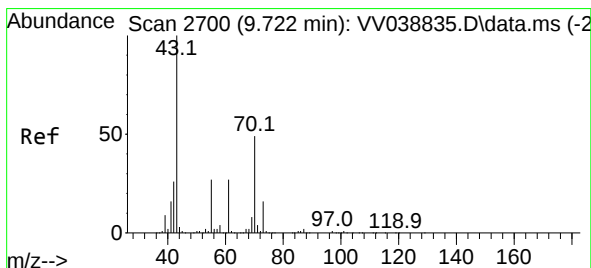
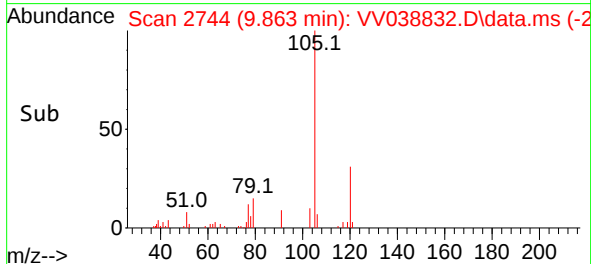
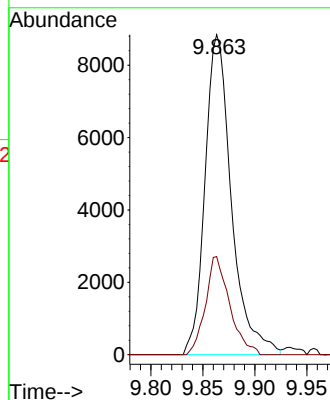
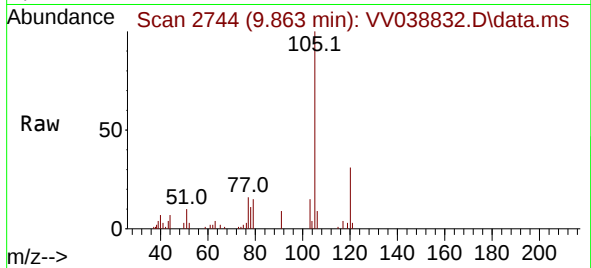




#73
Isopropylbenzene
Concen: 0.813 ug/l
RT: 9.863 min Scan# 21
Delta R.T. 0.007 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

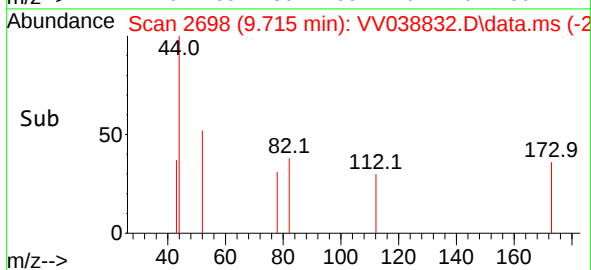
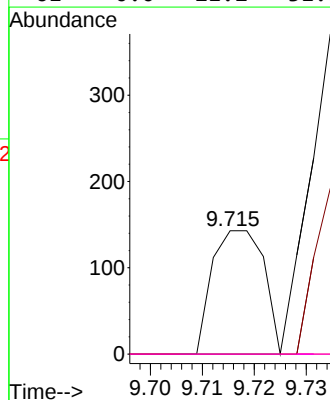
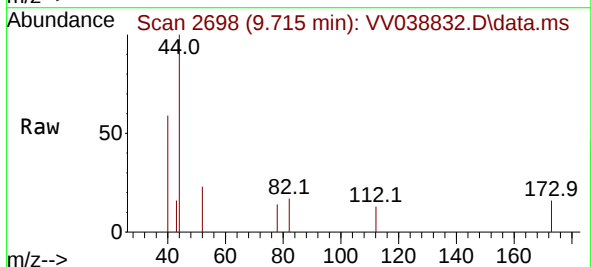
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

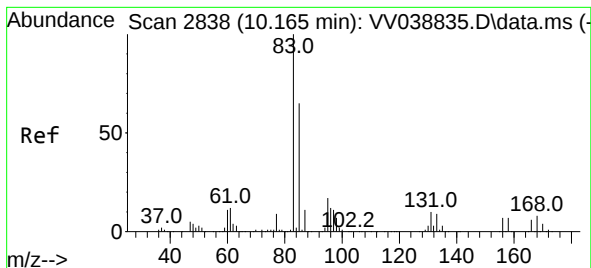
Tgt Ion:105 Resp: 15617
Ion Ratio Lower Upper
105 100
120 28.1 13.1 39.3



#74
N-ethyl acetate
Concen: 0.015 ug/l
RT: 9.715 min Scan# 2698
Delta R.T. -0.006 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

Tgt Ion: 43 Resp: 99
Ion Ratio Lower Upper
43 100
70 0.0 39.7 59.5#
55 0.0 22.1 33.1#
61 0.0 21.2 31.8#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.027 ug/l

RT: 10.175 min Scan# 2841

Delta R.T. 0.010 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC001

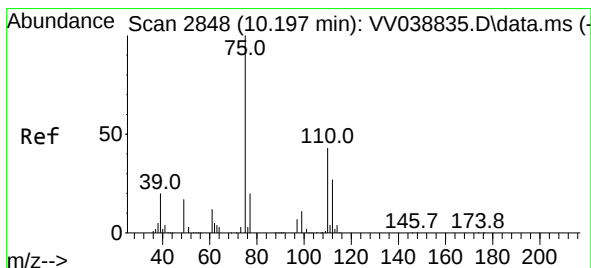
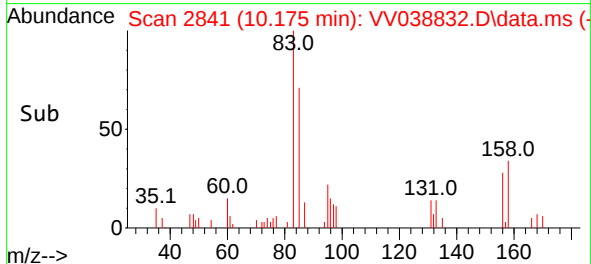
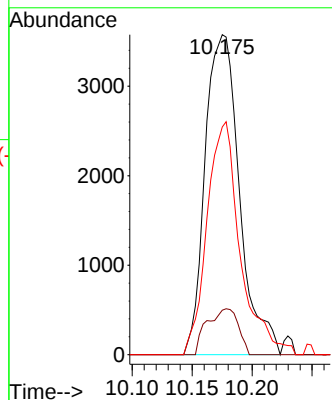
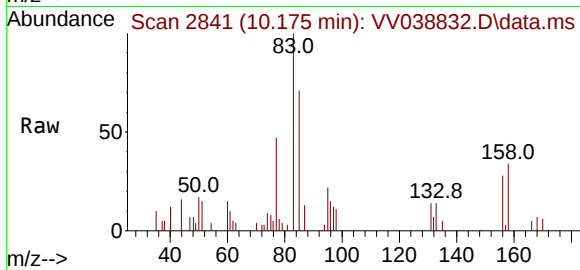
Tgt Ion: 83 Resp: 7150

Ion Ratio Lower Upper

83 100

131 13.0 5.1 15.3

85 70.0 31.6 95.0



#76

1,2,3-Trichloropropane

Concen: 1.003 ug/l

RT: 10.210 min Scan# 2852

Delta R.T. 0.013 min

Lab File: VV038832.D

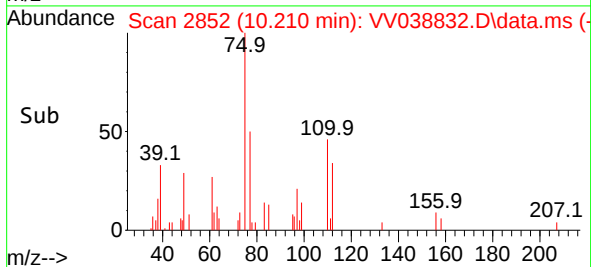
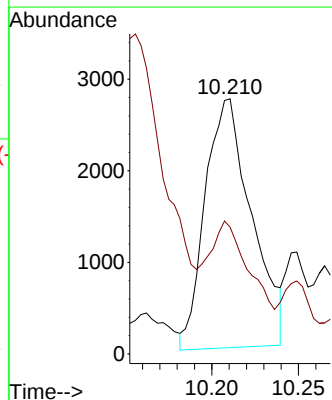
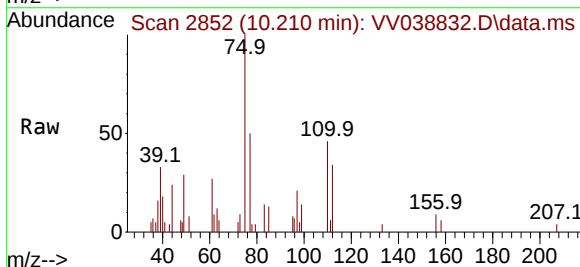
Acq: 02 Jul 2025 09:39

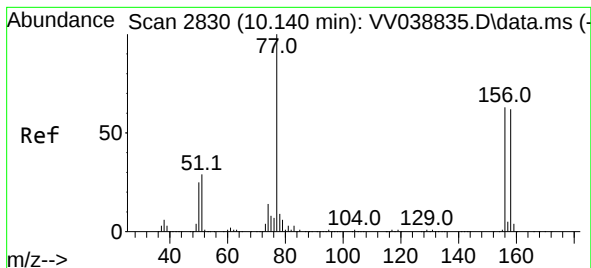
Tgt Ion: 75 Resp: 5077

Ion Ratio Lower Upper

75 100

77 44.8 11.7 35.1#





#77

Bromobenzene

Concen: 0.967 ug/l

RT: 10.162 min Scan# 2837

Delta R.T. 0.023 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC001

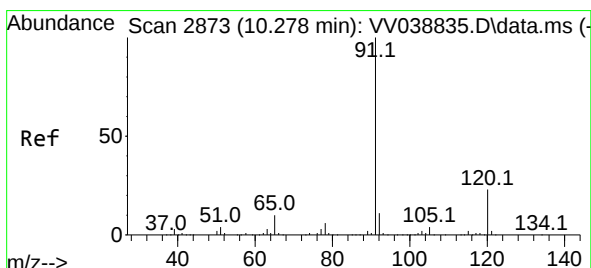
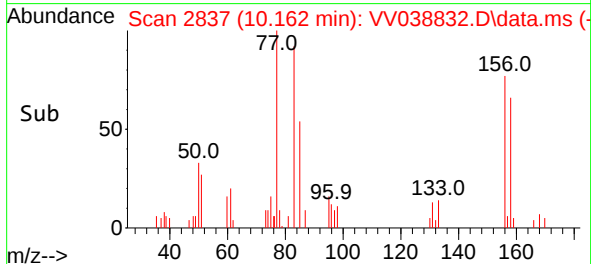
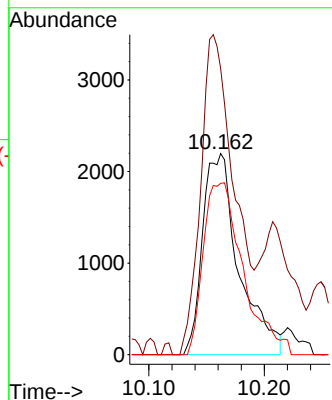
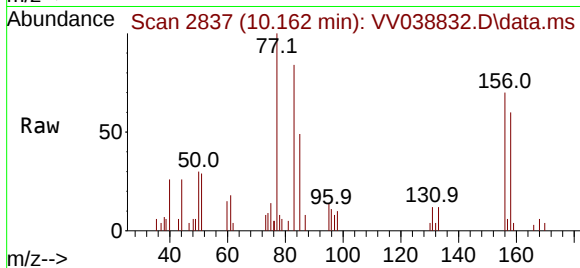
Tgt Ion:156 Resp: 4789

Ion Ratio Lower Upper

156 100

77 148.5 77.0 230.8

158 93.7 48.8 146.3



#78

n-propylbenzene

Concen: 0.847 ug/l

RT: 10.288 min Scan# 2876

Delta R.T. 0.010 min

Lab File: VV038832.D

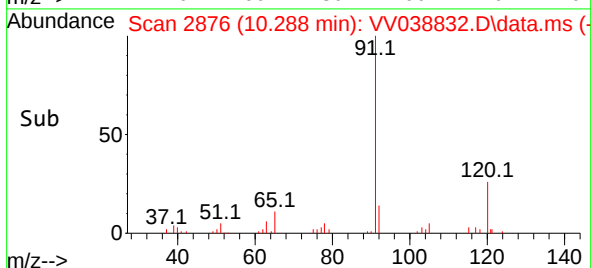
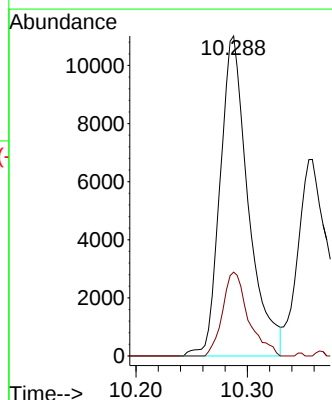
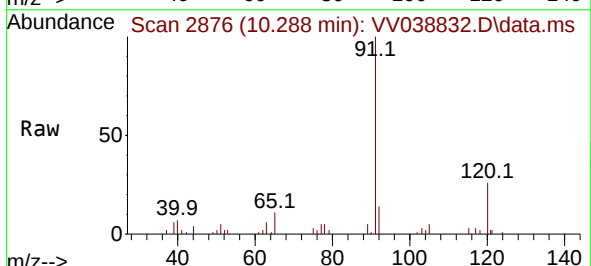
Acq: 02 Jul 2025 09:39

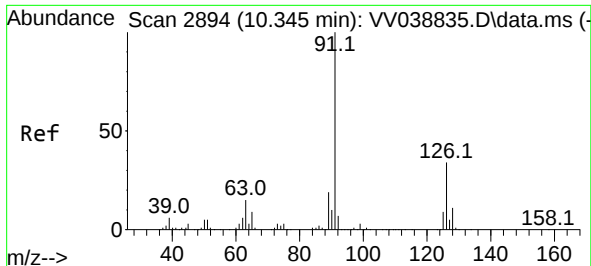
Tgt Ion: 91 Resp: 19359

Ion Ratio Lower Upper

91 100

120 24.0 11.7 35.0





#79

2-Chlorotoluene

Concen: 0.909 ug/l

RT: 10.358 min Scan# 2898

Delta R.T. 0.013 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

Instrument :

MSVOA_V

ClientSampleId :

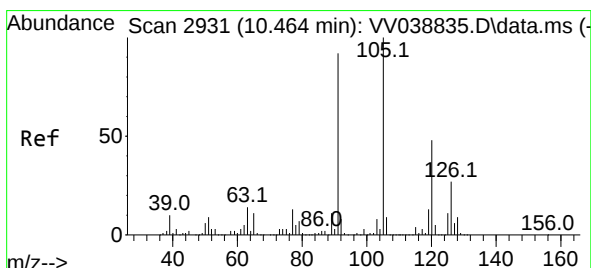
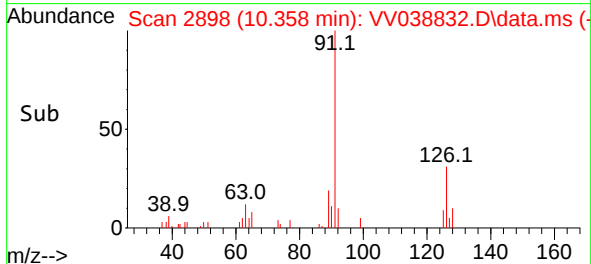
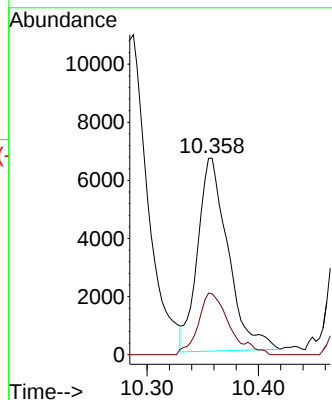
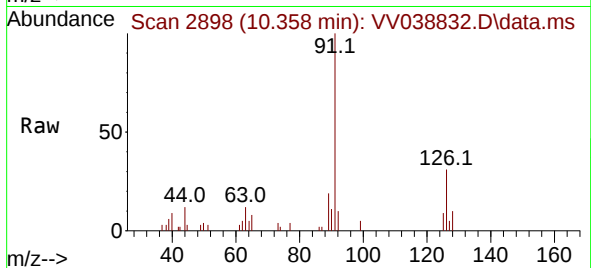
VSTDICC001

Tgt Ion: 91 Resp: 12619

Ion Ratio Lower Upper

91 100

126 32.6 17.1 51.3



#80

1,3,5-Trimethylbenzene

Concen: 0.788 ug/l

RT: 10.474 min Scan# 2934

Delta R.T. 0.010 min

Lab File: VV038832.D

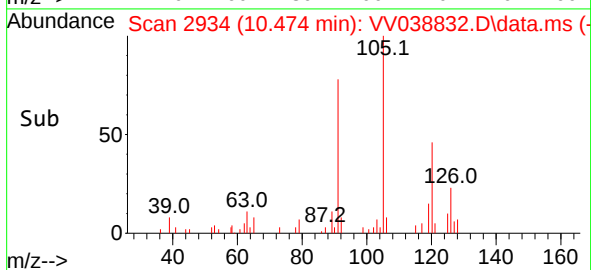
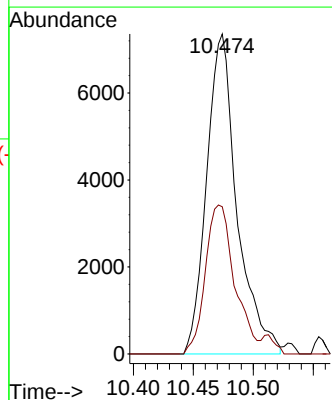
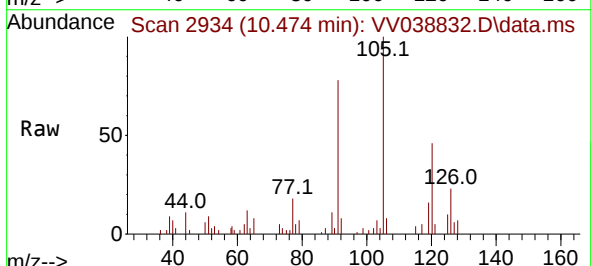
Acq: 02 Jul 2025 09:39

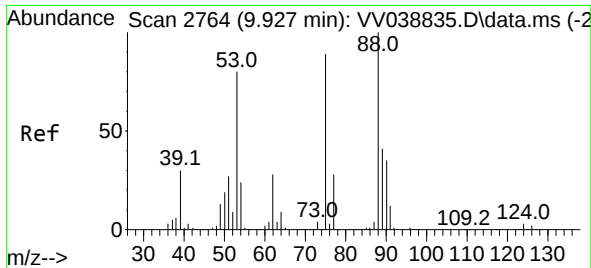
Tgt Ion: 105 Resp: 12937

Ion Ratio Lower Upper

105 100

120 44.9 23.9 71.7

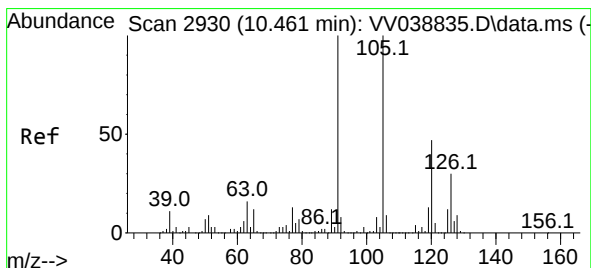
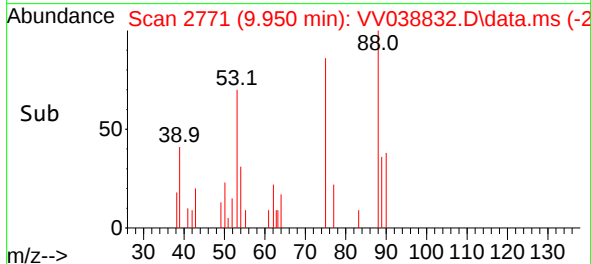
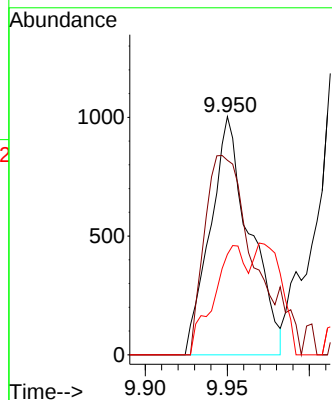
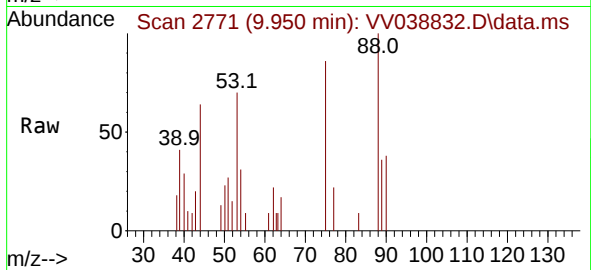




#81
trans-1,4-Dichloro-2-butene
Concen: 0.707 ug/l
RT: 9.950 min Scan# 21
Delta R.T. 0.023 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

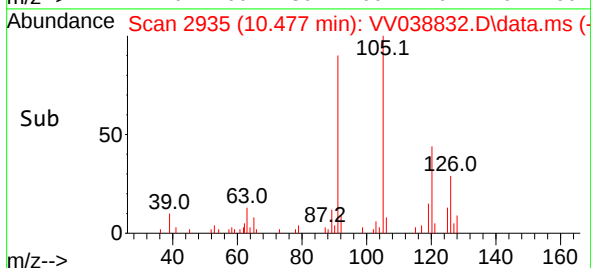
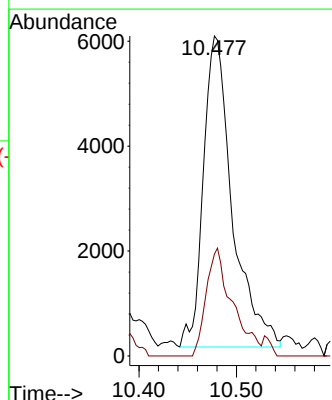
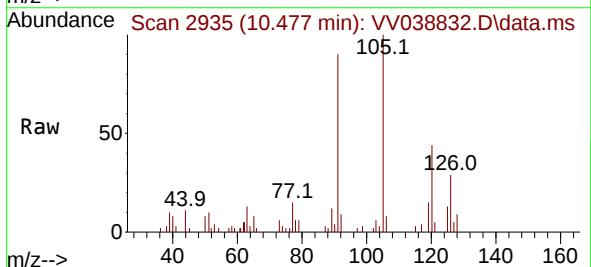
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

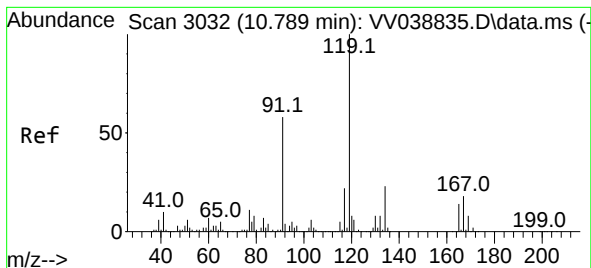
Tgt Ion: 75 Resp: 1682
Ion Ratio Lower Upper
75 100
53 105.8 71.2 106.8
89 38.3 44.6 66.8#



#82
4-Chlorotoluene
Concen: 0.767 ug/l
RT: 10.477 min Scan# 2935
Delta R.T. 0.016 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

Tgt Ion: 91 Resp: 12267
Ion Ratio Lower Upper
91 100
126 31.5 14.8 44.3





#83

tert-Butylbenzene

Concen: 0.858 ug/l

RT: 10.792 min Scan# 3033

Delta R.T. 0.003 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC001

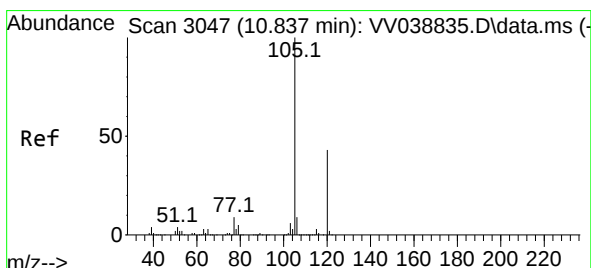
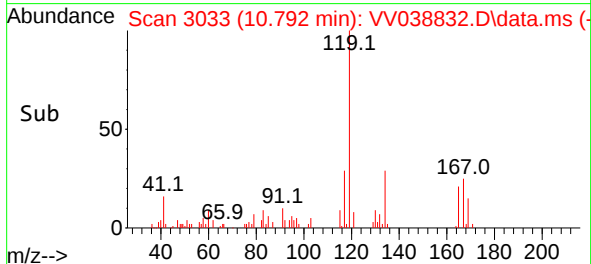
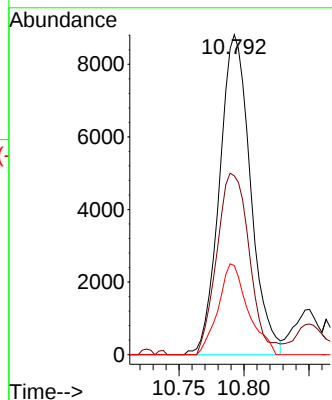
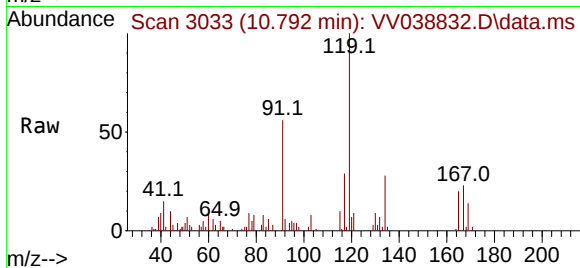
Tgt Ion:119 Resp: 14616

Ion Ratio Lower Upper

119 100

91 59.7 28.5 85.5

134 27.4 11.5 34.4



#84

1,2,4-Trimethylbenzene

Concen: 0.771 ug/l

RT: 10.847 min Scan# 3050

Delta R.T. 0.010 min

Lab File: VV038832.D

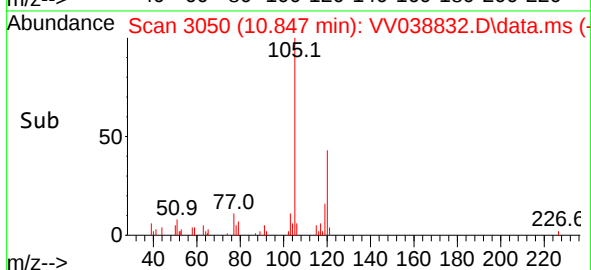
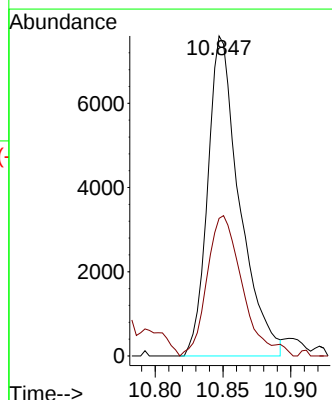
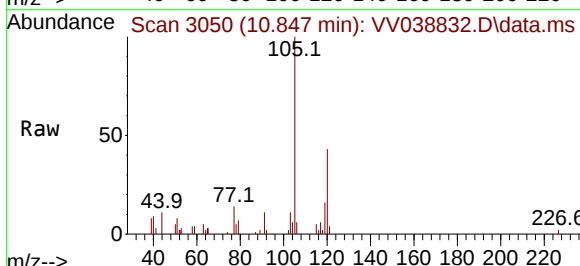
Acq: 02 Jul 2025 09:39

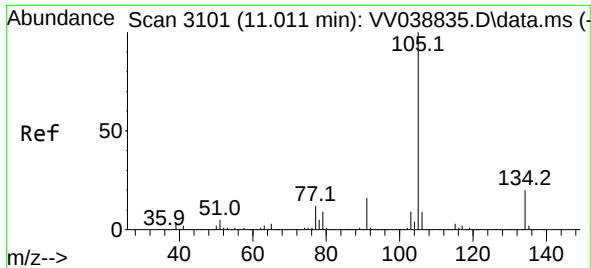
Tgt Ion:105 Resp: 12398

Ion Ratio Lower Upper

105 100

120 48.5 22.7 68.0

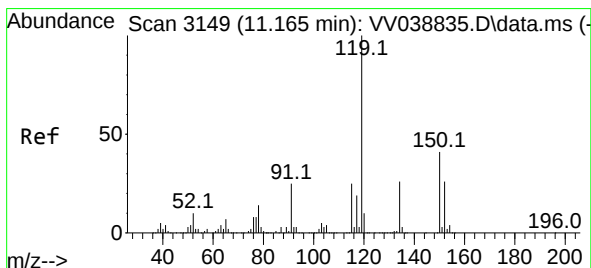
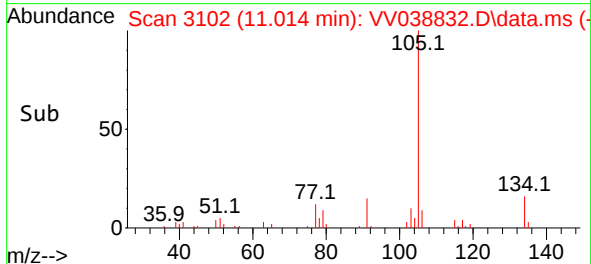
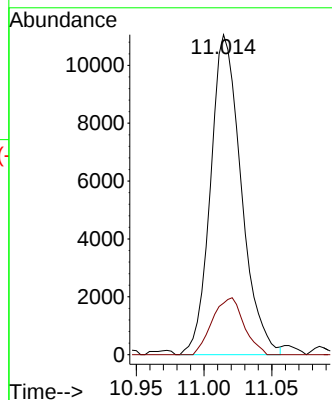
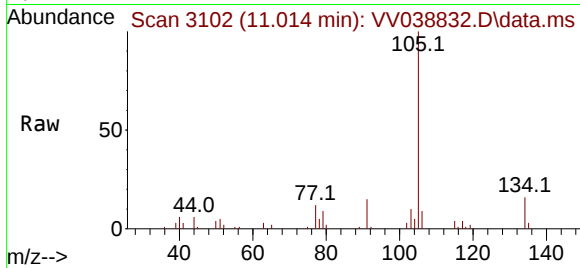




#85
 sec-Butylbenzene
 Concen: 0.805 ug/l
 RT: 11.014 min Scan# 3101
 Delta R.T. 0.003 min
 Lab File: VV038832.D
 Acq: 02 Jul 2025 09:39

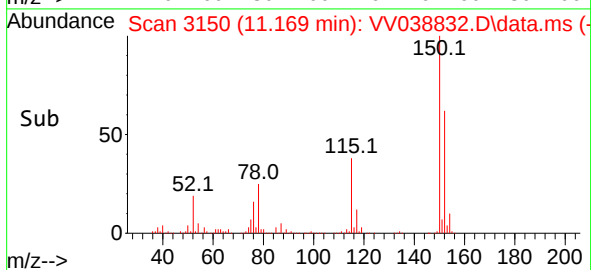
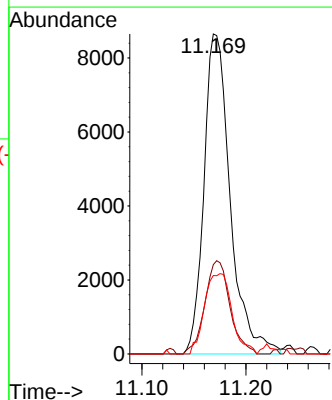
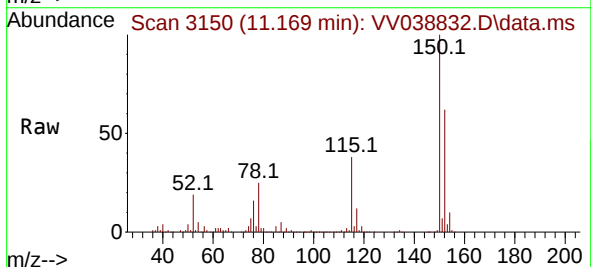
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC001

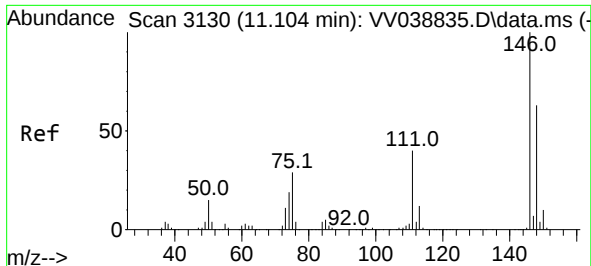
Tgt Ion:105 Resp: 17448
 Ion Ratio Lower Upper
 105 100
 134 18.2 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 0.818 ug/l
 RT: 11.169 min Scan# 3150
 Delta R.T. 0.003 min
 Lab File: VV038832.D
 Acq: 02 Jul 2025 09:39

Tgt Ion:119 Resp: 15203
 Ion Ratio Lower Upper
 119 100
 134 27.7 13.0 39.0
 91 26.1 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 0.960 ug/l

RT: 11.120 min Scan# 3135

Delta R.T. 0.016 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC001

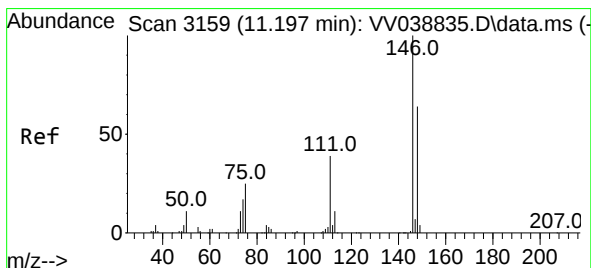
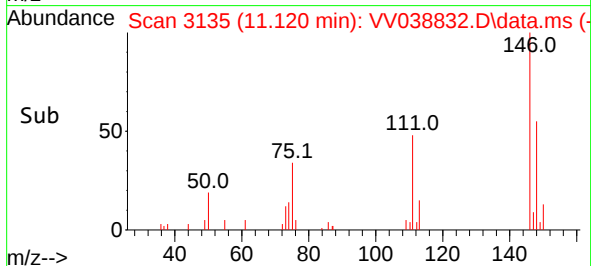
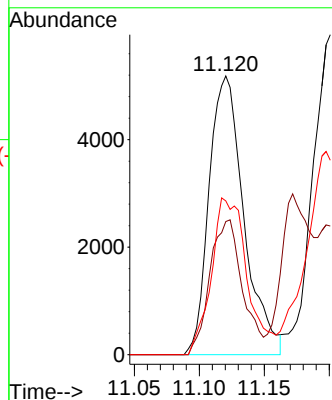
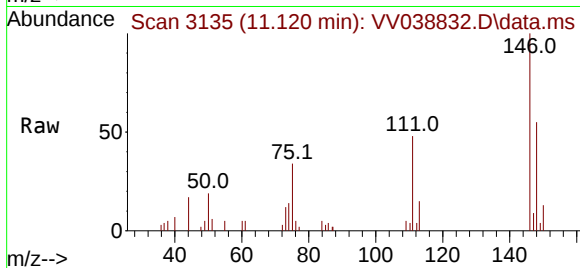
Tgt Ion:146 Resp: 9666

Ion Ratio Lower Upper

146 100

111 45.3 20.2 60.6

148 57.8 31.3 93.8



#88

1,4-Dichlorobenzene

Concen: 0.911 ug/l

RT: 11.120 min Scan# 3135

Delta R.T. -0.077 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

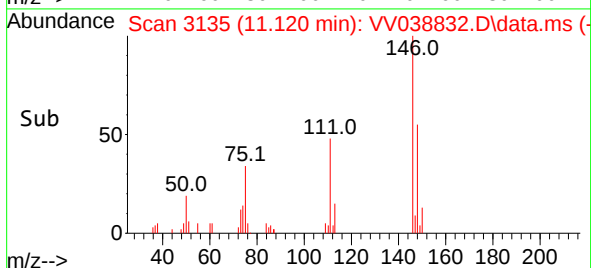
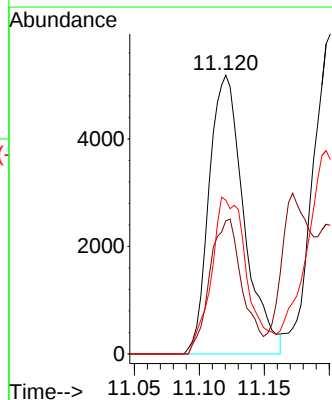
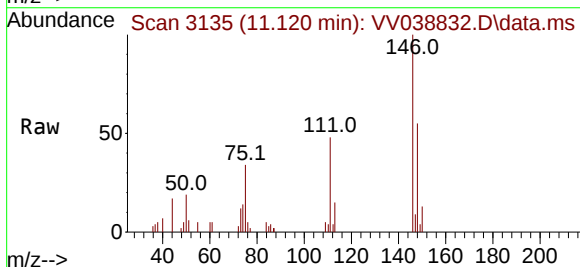
Tgt Ion:146 Resp: 9666

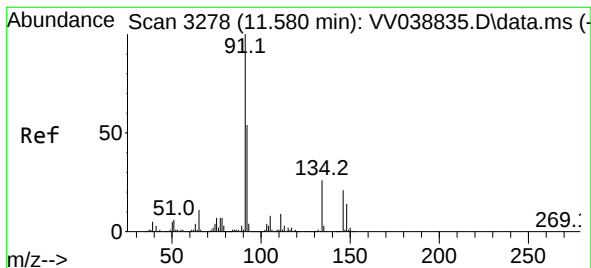
Ion Ratio Lower Upper

146 100

111 45.3 19.8 59.3

148 57.8 32.0 96.2





#89

n-Butylbenzene

Concen: 0.771 ug/l

RT: 11.590 min Scan# 31

Delta R.T. 0.010 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC001

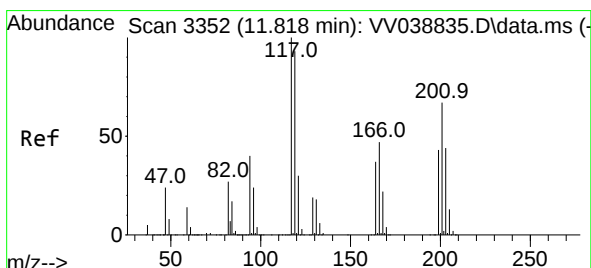
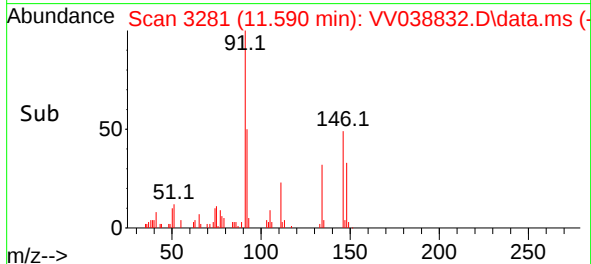
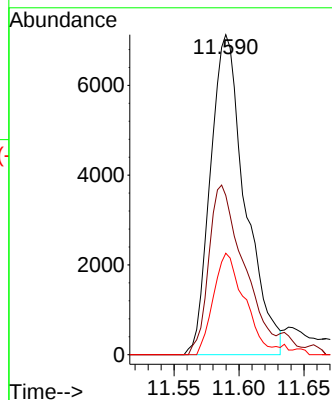
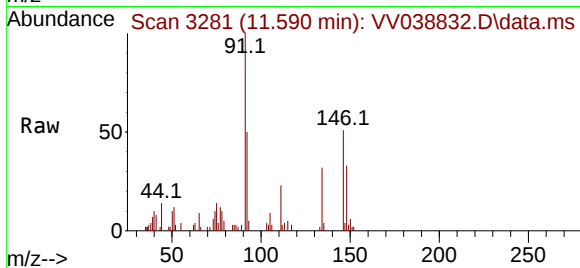
Tgt Ion: 91 Resp: 13281

Ion Ratio Lower Upper

91 100

92 53.6 26.7 80.0

134 28.2 12.9 38.7



#90

Hexachloroethane

Concen: 1.119 ug/l

RT: 11.821 min Scan# 3353

Delta R.T. 0.003 min

Lab File: VV038832.D

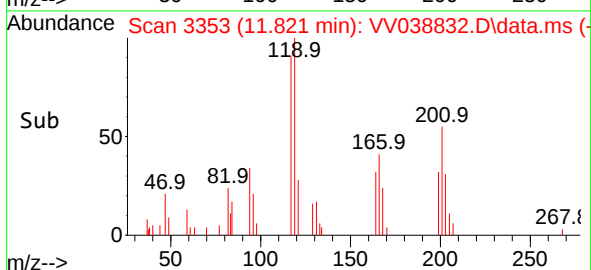
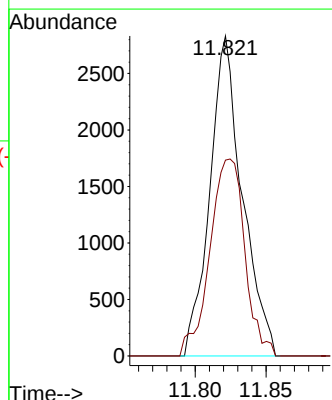
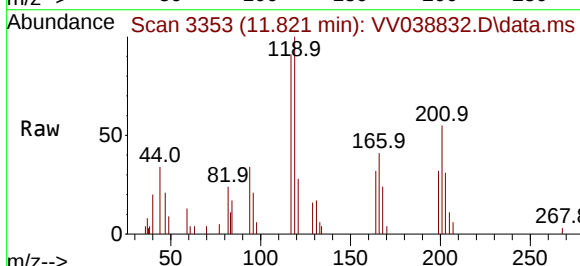
Acq: 02 Jul 2025 09:39

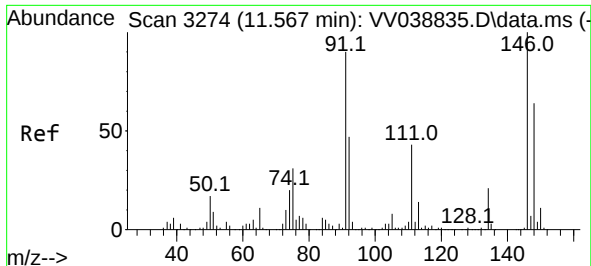
Tgt Ion: 117 Resp: 4514

Ion Ratio Lower Upper

117 100

201 66.1 34.4 103.1

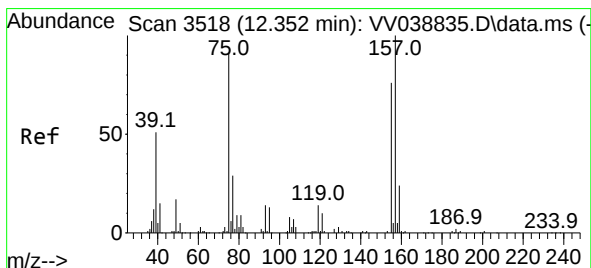
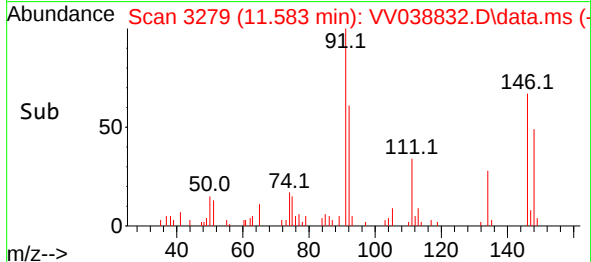
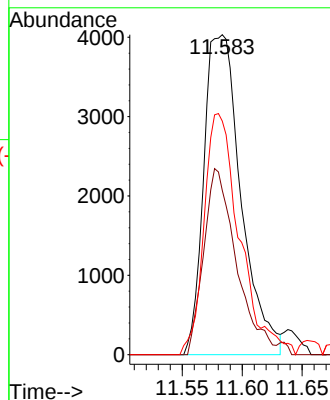
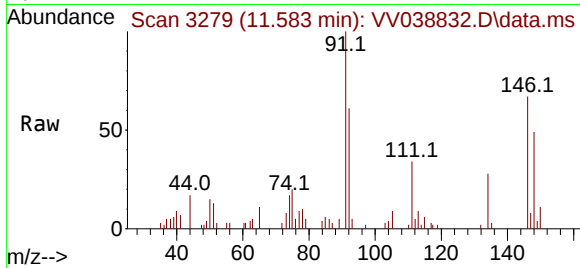




#91
 1,2-Dichlorobenzene
 Concen: 0.918 ug/l
 RT: 11.583 min Scan# 31
 Delta R.T. 0.016 min
 Lab File: VV038832.D
 Acq: 02 Jul 2025 09:39

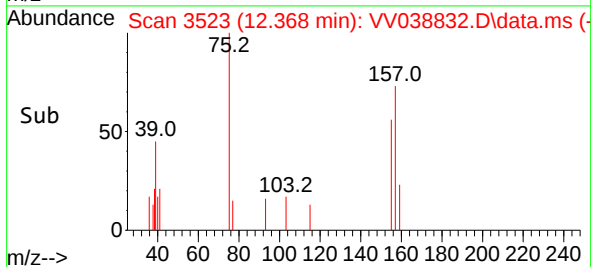
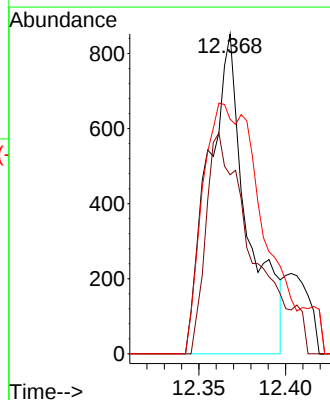
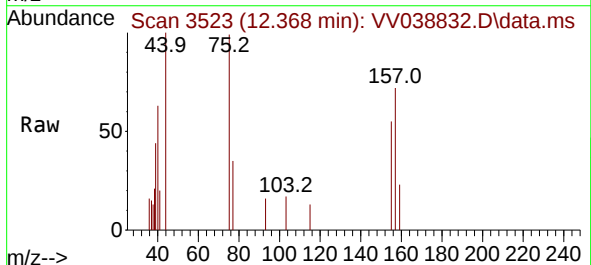
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC001

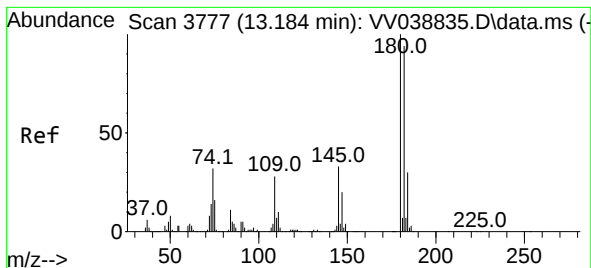
Tgt Ion:146 Resp: 8710
 Ion Ratio Lower Upper
 146 100
 111 51.2 21.3 63.7
 148 71.9 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.906 ug/l
 RT: 12.368 min Scan# 3523
 Delta R.T. 0.016 min
 Lab File: VV038832.D
 Acq: 02 Jul 2025 09:39

Tgt Ion: 75 Resp: 1335
 Ion Ratio Lower Upper
 75 100
 155 83.5 43.2 129.6
 157 122.6 54.9 164.5





#93

1,2,4-Trichlorobenzene

Concen: 0.830 ug/l

RT: 13.201 min Scan# 31

Delta R.T. 0.016 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC001

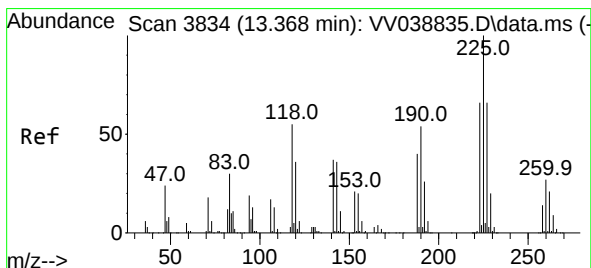
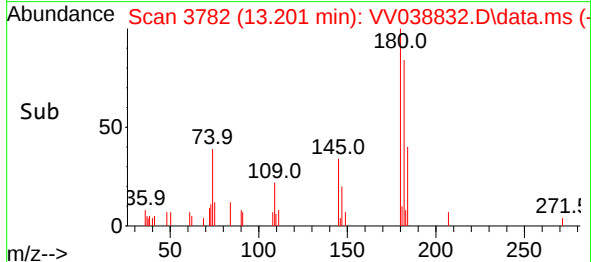
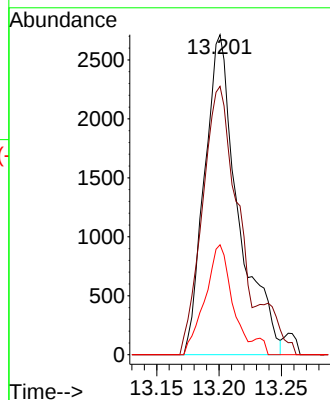
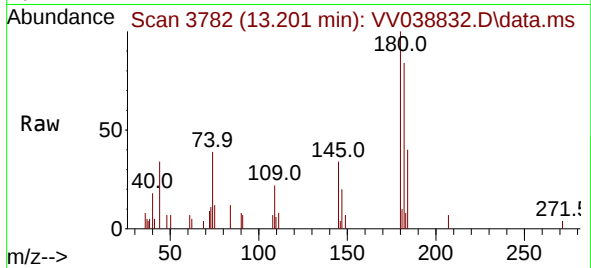
Tgt Ion:180 Resp: 5107

Ion Ratio Lower Upper

180 100

182 85.7 47.6 142.8

145 27.7 16.4 49.1



#94

Hexachlorobutadiene

Concen: 1.059 ug/l

RT: 13.368 min Scan# 3834

Delta R.T. 0.000 min

Lab File: VV038832.D

Acq: 02 Jul 2025 09:39

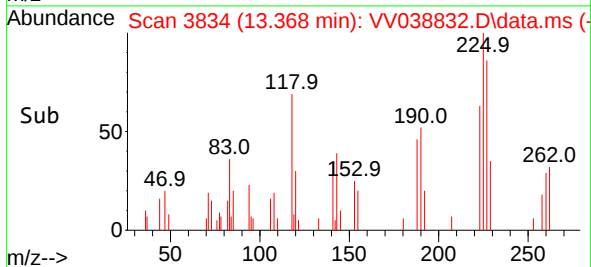
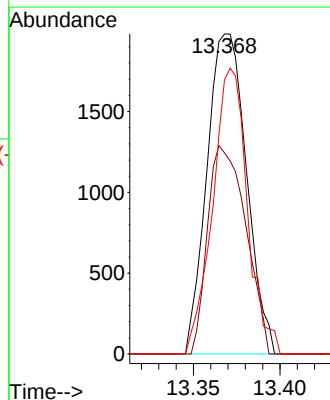
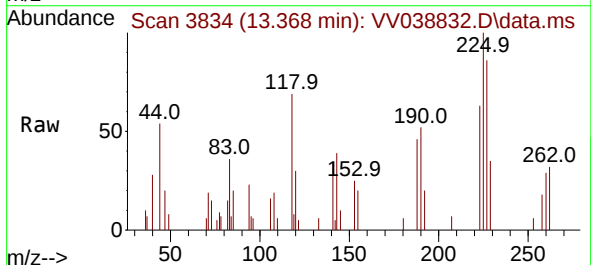
Tgt Ion:225 Resp: 3145

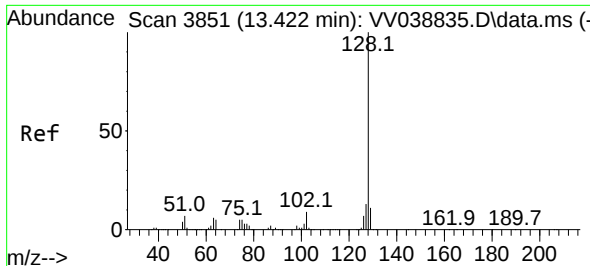
Ion Ratio Lower Upper

225 100

223 63.1 33.2 99.6

227 78.4 32.3 96.8

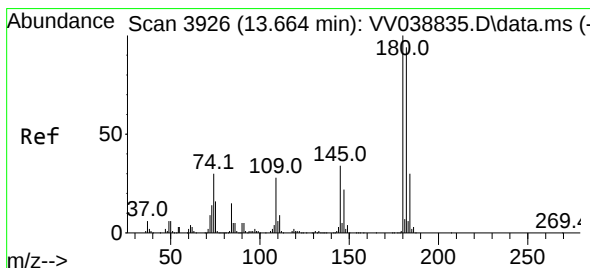
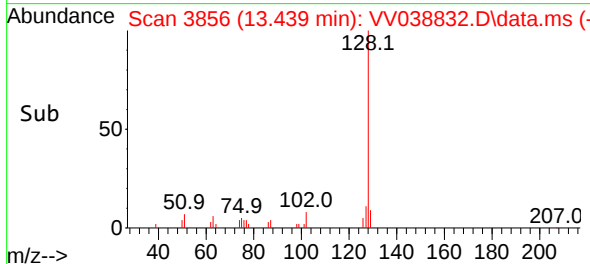
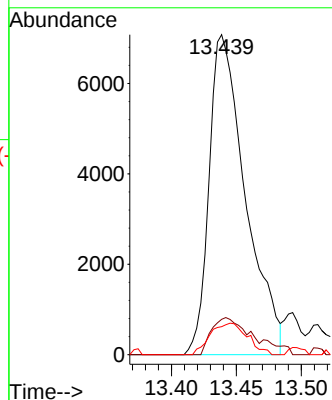
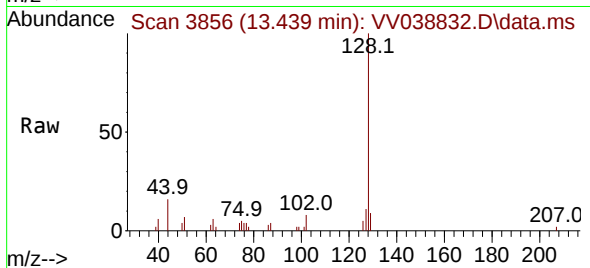




#95
Naphthalene
Concen: 0.705 ug/l
RT: 13.439 min Scan# 3856
Delta R.T. 0.016 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC001

Tgt Ion:	128	Resp:	13791
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	10.1	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.888 ug/l
RT: 13.677 min Scan# 3930
Delta R.T. 0.013 min
Lab File: VV038832.D
Acq: 02 Jul 2025 09:39

Tgt Ion:	180	Resp:	5637
Ion	Ratio	Lower	Upper
180	100		
182	83.1	47.3	141.9
145	39.1	17.1	51.2

