Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032125\
Data File : VY021600.D
Acq On : 21 Mar 2025 15:25
Operator : SY/MD
Sample : Q1606-09
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

Quant Time: Mar 21 23:11:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	121	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.622	114	473	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	170	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ug/l	-13.35
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	273	213.465	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 426.940%#			
35) Dibromofluoromethane	7.634	113	214	68.830	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 137.660%			
50) Toluene-d8	10.115	98	334	28.372	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 56.740%#			
62) 4-Bromofluorobenzene	12.359	95	44	10.988	ug/l	-0.05
Spiked Amount 50.000	Range 30 - 143		Recovery = 21.980%#			
Target Compounds						Qvalue
3) Chloromethane	2.068	50	19	12.137	ug/l #	42
4) Vinyl Chloride	2.068	62	41	23.966	ug/l #	42
6) Chloroethane	2.848	64	27	23.882	ug/l #	41
12) 1,1-Dichloroethene	3.885	96	19	15.286	ug/l #	1
13) Acrolein	3.690	56	20	307.458	ug/l #	10
14) Allyl chloride	4.507	41	45	22.403	ug/l #	21
15) Acrylonitrile	5.074	53	26	92.299	ug/l #	17
16) Acetone	3.860	43	24	86.040	ug/l #	47
17) Carbon Disulfide	4.019	76	19	4.878	ug/l #	75
18) Methyl Acetate	4.513	43	22	35.546	ug/l #	51
19) Methyl tert-butyl Ether	5.287	73	22	6.983	ug/l #	53
22) Diisopropyl ether	6.019	45	42	9.702	ug/l #	33
23) Vinyl Acetate	5.891	43	37	14.977	ug/l #	72
25) 2-Butanone	6.921	43	19	49.241	ug/l #	48
27) cis-1,2-Dichloroethene	6.805	96	25	15.809	ug/l #	1
28) Bromochloromethane	7.183	49	23	21.473	ug/l #	14
29) Tetrahydrofuran	7.293	42	22	92.356	ug/l #	33
31) Cyclohexane	7.530	56	29	12.108	ug/l #	15
36) 1,1-Dichloropropene	7.640	75	19	3.904	ug/l #	13
37) Ethyl Acetate	7.043	43	56	26.034	ug/l #	43
40) Benzene	8.079	78	19	1.325	ug/l #	52
41) Methacrylonitrile	7.122	41	46	39.275	ug/l #	15
43) Isopropyl Acetate	8.177	43	63	15.087	ug/l #	52
45) 1,2-Dichloropropane	9.042	63	20	5.862	ug/l #	42
48) Methyl methacrylate	9.189	41	23	11.995	ug/l #	15
51) 4-Methyl-2-Pentanone	10.000	43	48	22.279	ug/l #	36
52) Toluene	10.170	92	74	8.187	ug/l #	1
53) t-1,3-Dichloropropene	10.609	75	21	4.728	ug/l #	43
54) cis-1,3-Dichloropropene	10.103	75	23	4.361	ug/l #	34
58) 2-Chloroethyl Vinyl ether	9.701	63	21	14.363	ug/l #	47
59) 2-Hexanone	10.652	43	23	16.145	ug/l #	24
67) Ethyl Benzene	11.792	91	23	3.264	ug/l #	44

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032125\
Data File : VY021600.D
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Operator : SY/MD
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Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
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Instrument :
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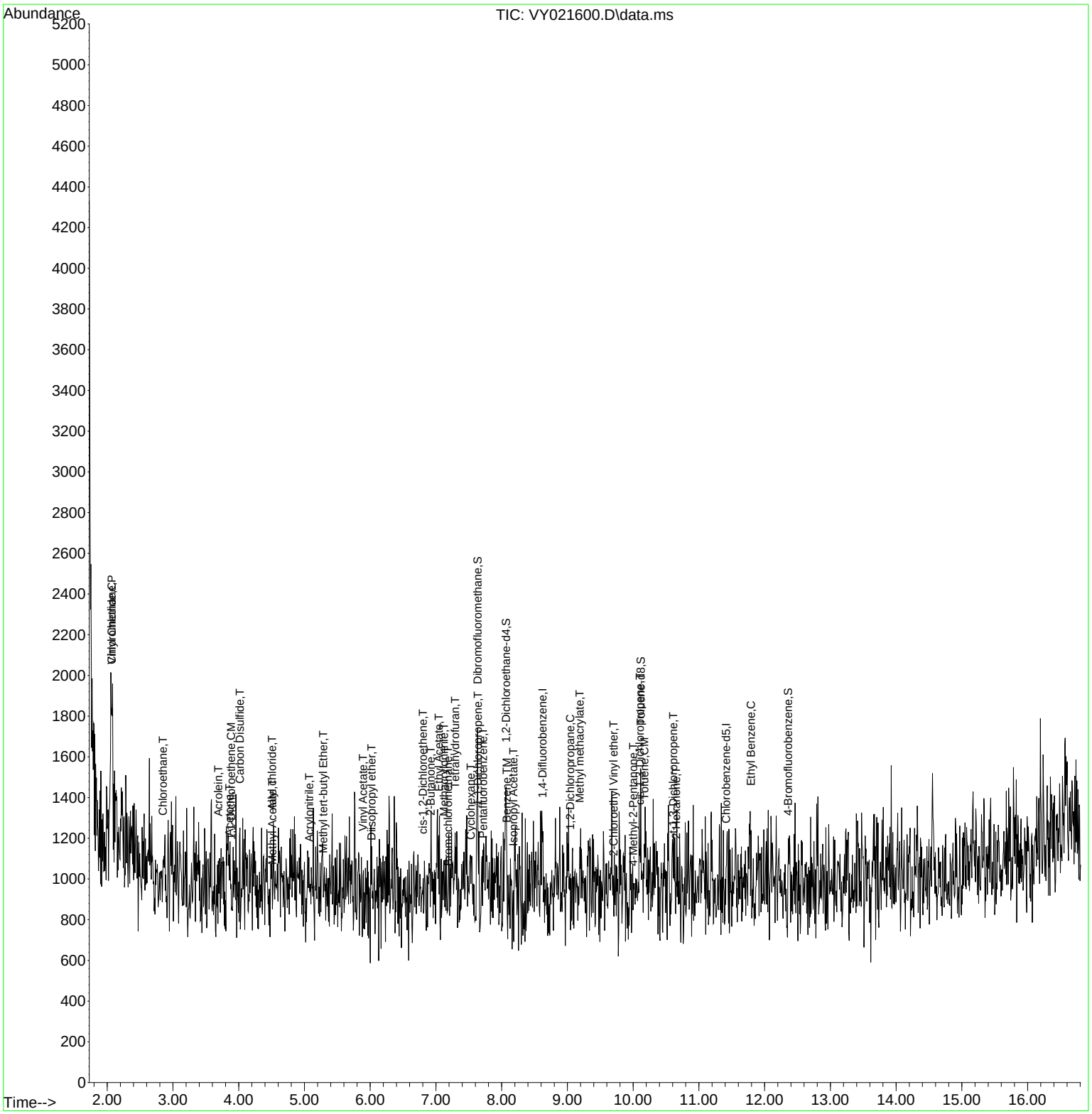
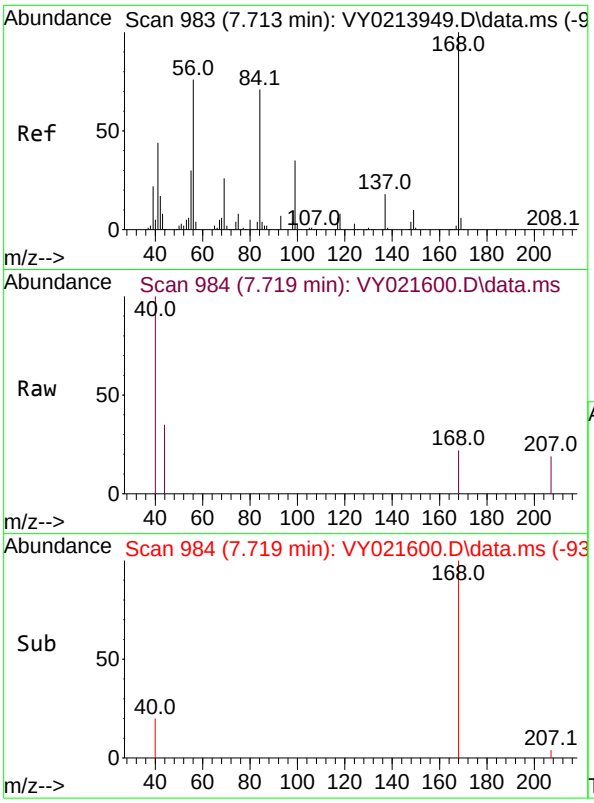


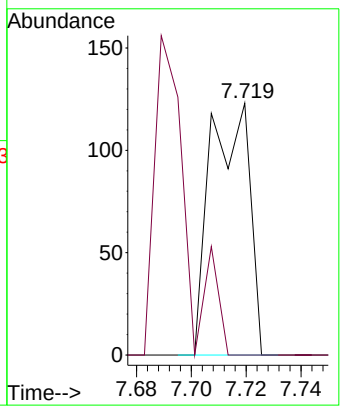


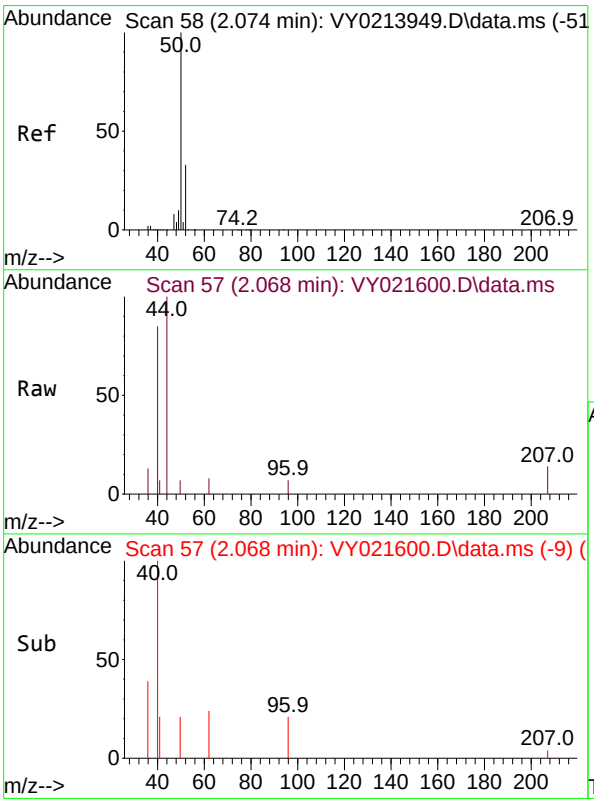
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

Tgt Ion:168 Resp: 121

Ion	Ratio	Lower	Upper
168	100		
99	0.0	46.0	69.0#

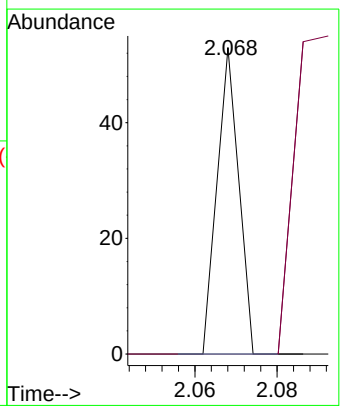


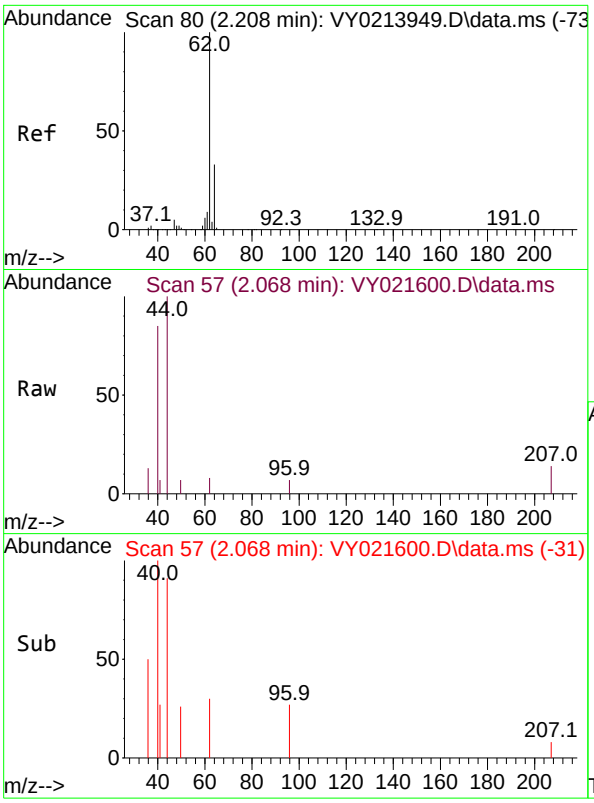


#3
Chloromethane
Concen: 12.137 ug/l
RT: 2.068 min Scan# 57
Delta R.T. -0.006 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Tgt Ion: 50 Resp: 19

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.2	39.2#



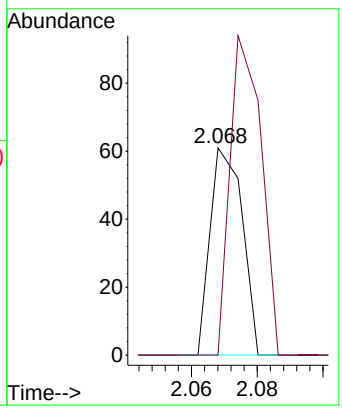


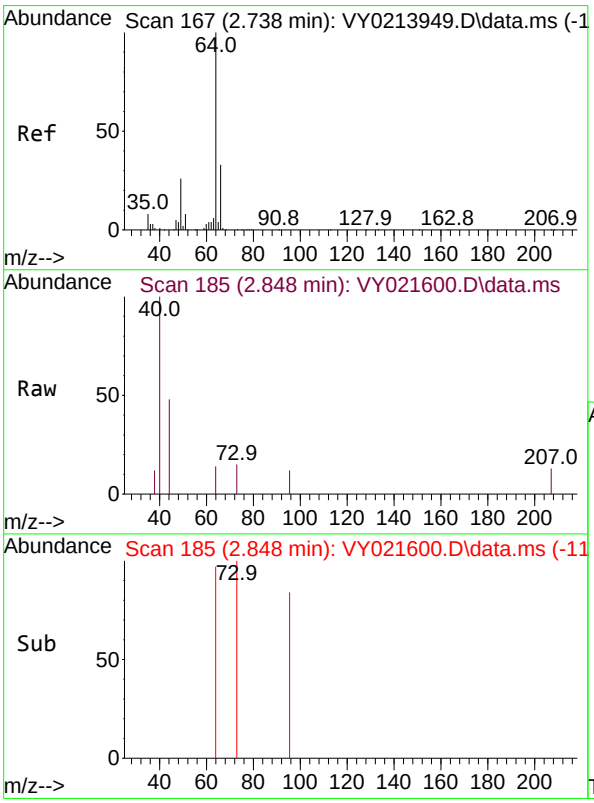
#4
Vinyl Chloride
Concen: 23.966 ug/l
RT: 2.068 min Scan# 5
Delta R.T. -0.140 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

Tgt Ion: 62 Resp: 41

Ion	Ratio	Lower	Upper
62	100		
64	0.0	26.2	39.2#

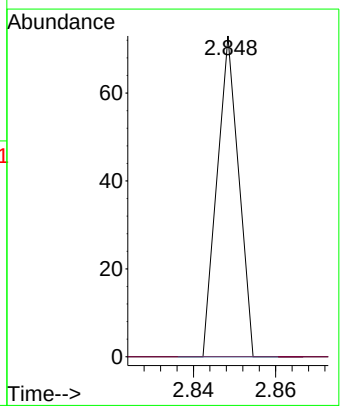


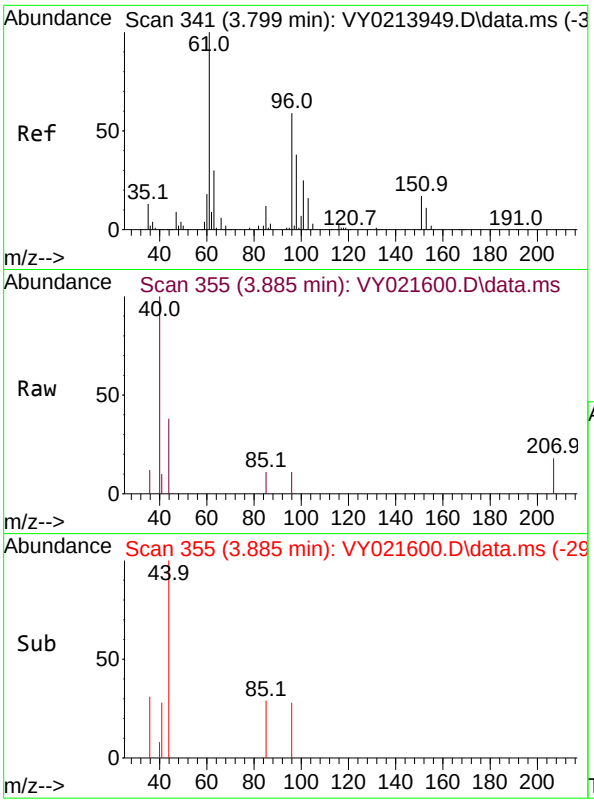


#6
Chloroethane
Concen: 23.882 ug/l
RT: 2.848 min Scan# 185
Delta R.T. 0.110 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Tgt Ion: 64 Resp: 27

Ion	Ratio	Lower	Upper
64	100		
66	0.0	26.7	40.1#



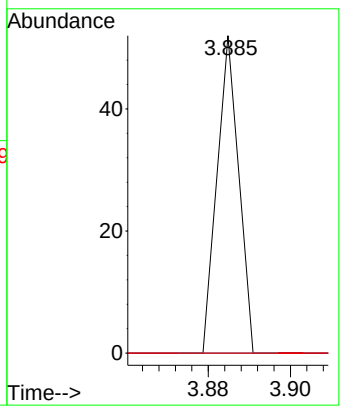


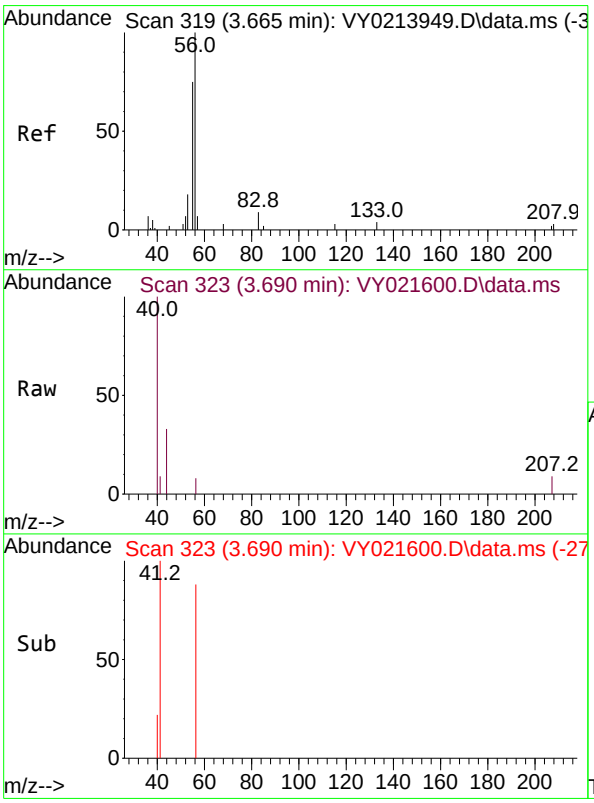
#12
1,1-Dichloroethene
Concen: 15.286 ug/l
RT: 3.885 min Scan# 3
Delta R.T. 0.086 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

Tgt Ion: 96 Resp: 19

Ion	Ratio	Lower	Upper
96	100		
61	0.0	135.2	202.8#
98	0.0	51.4	77.2#

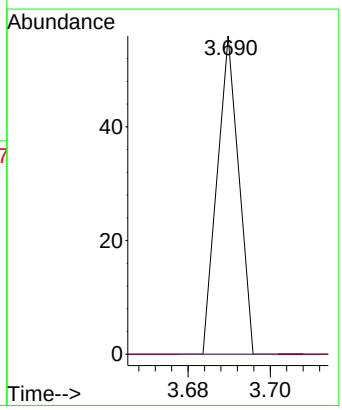


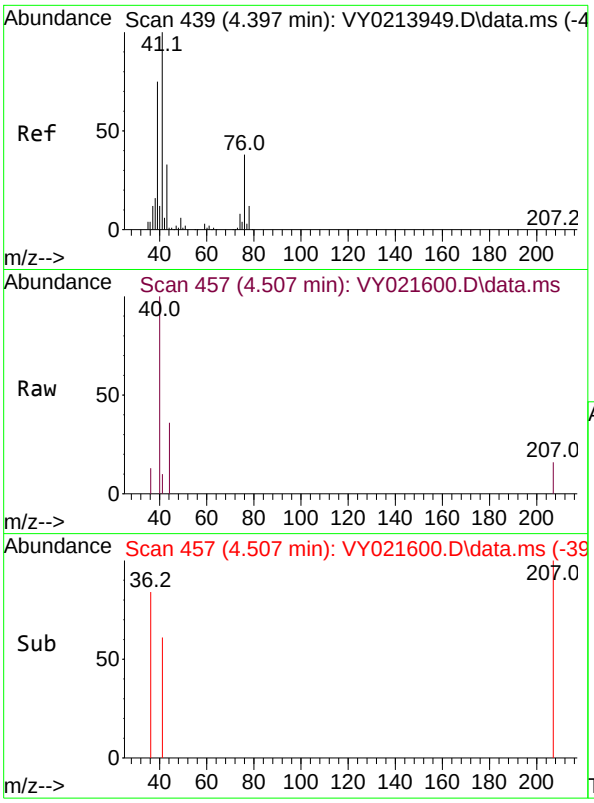


#13
Acrolein
Concen: 307.458 ug/l
RT: 3.690 min Scan# 323
Delta R.T. 0.025 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Tgt Ion: 56 Resp: 20

Ion	Ratio	Lower	Upper
56	100		
55	0.0	63.4	95.2#



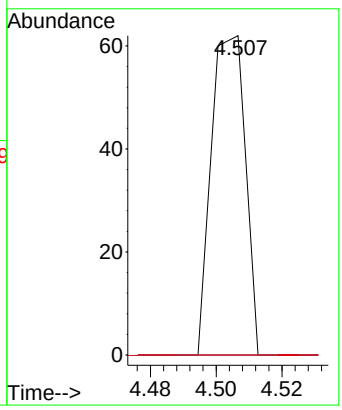


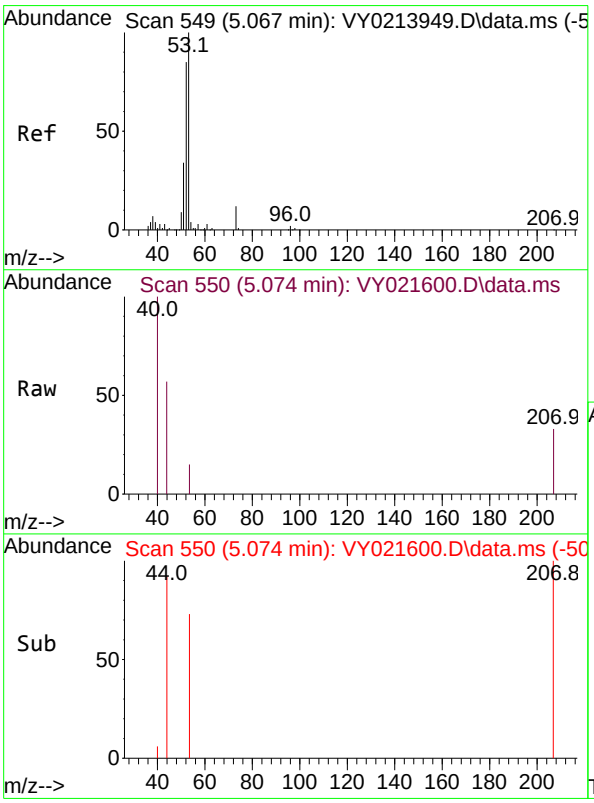
#14
Allyl chloride
Concen: 22.403 ug/l
RT: 4.507 min Scan# 4
Delta R.T. 0.110 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

Tgt Ion: 41 Resp: 45

Ion	Ratio	Lower	Upper
41	100		
39	0.0	59.3	88.9#
76	0.0	29.8	44.8#

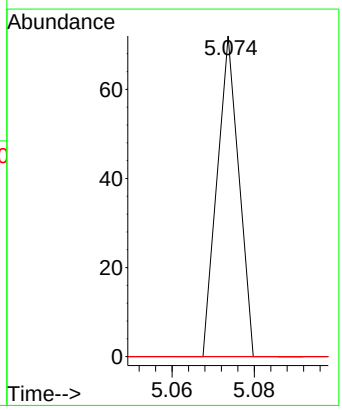


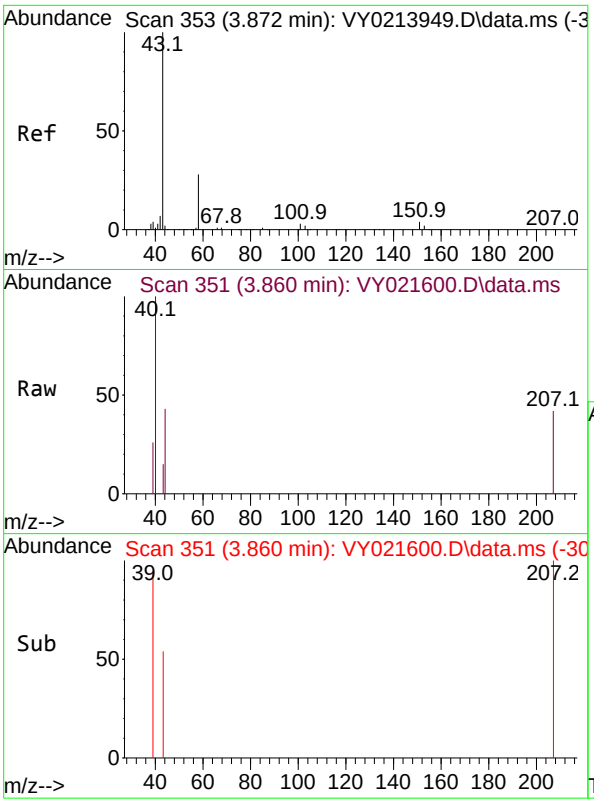


#15
Acrylonitrile
Concen: 92.299 ug/l
RT: 5.074 min Scan# 550
Delta R.T. 0.007 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Tgt Ion: 53 Resp: 26

Ion	Ratio	Lower	Upper
53	100		
52	0.0	66.3	99.5#
51	0.0	30.3	45.5#



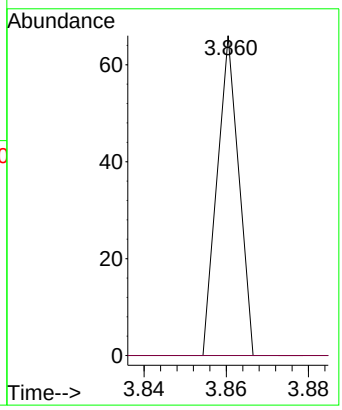


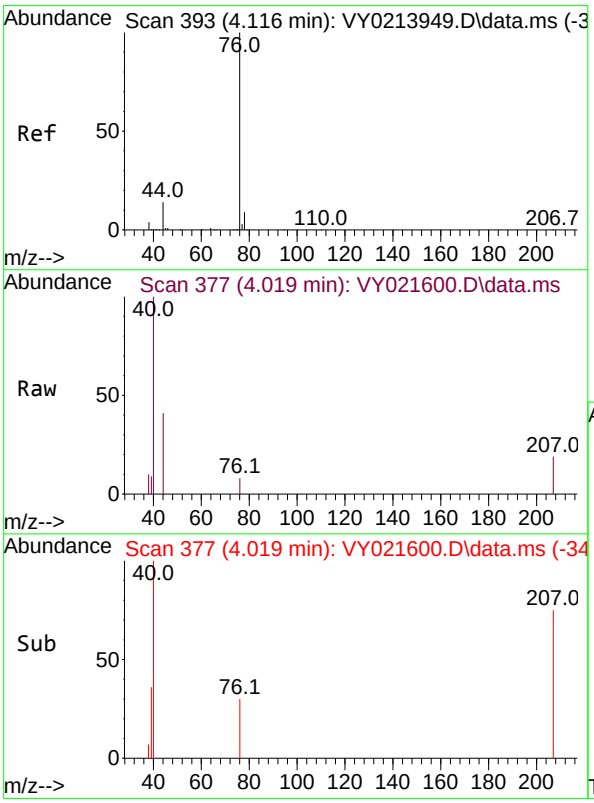
#16
Acetone
Concen: 86.040 ug/l
RT: 3.860 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

Tgt Ion: 43 Resp: 24

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.1	33.1#

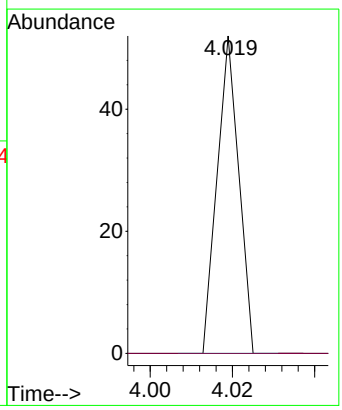


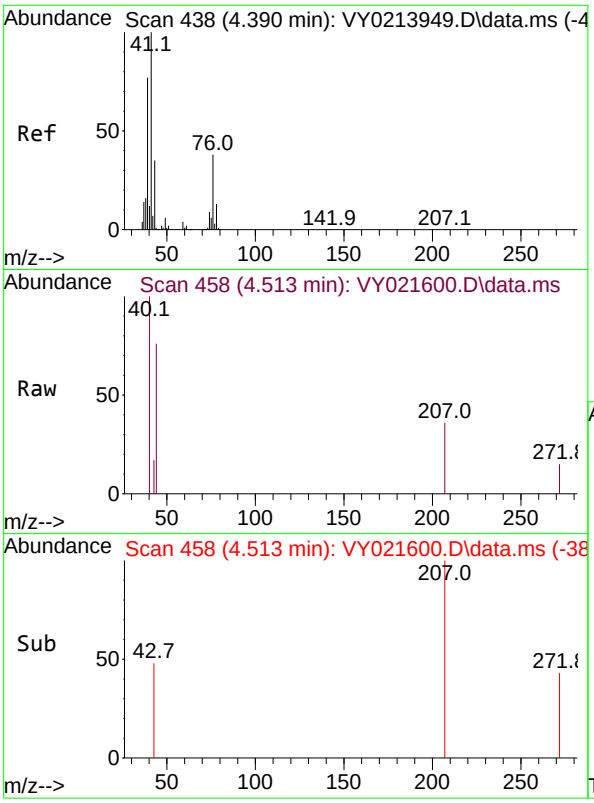


#17
Carbon Disulfide
Concen: 4.878 ug/l
RT: 4.019 min Scan# 377
Delta R.T. -0.097 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Tgt Ion: 76 Resp: 19

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.4	11.0#



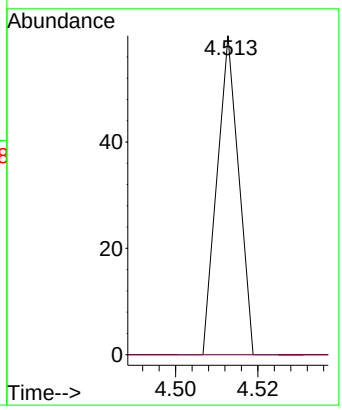


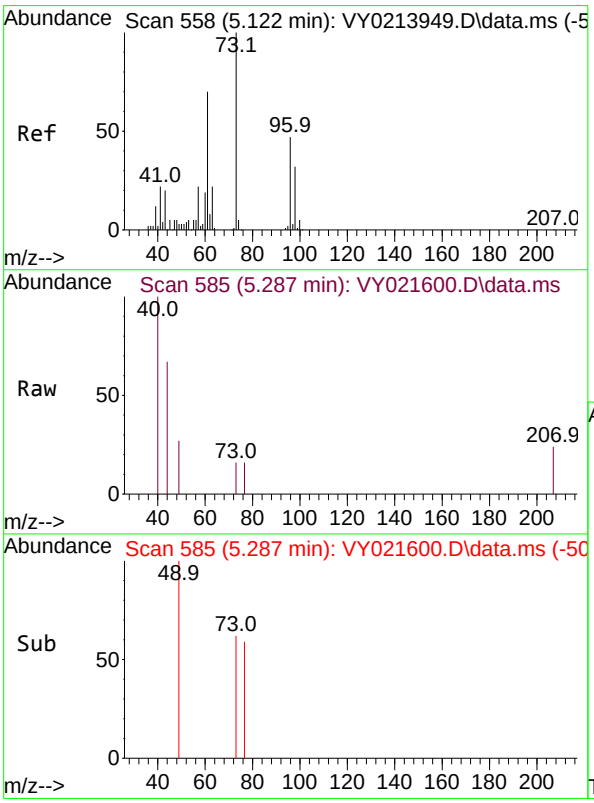
#18
Methyl Acetate
Concen: 35.546 ug/l
RT: 4.513 min Scan# 4
Delta R.T. 0.122 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

Tgt Ion: 43 Resp: 22

Ion	Ratio	Lower	Upper
43	100		
74	0.0	19.4	29.0#

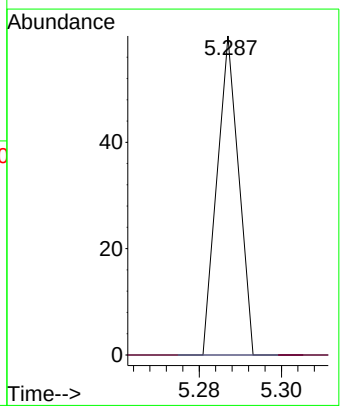


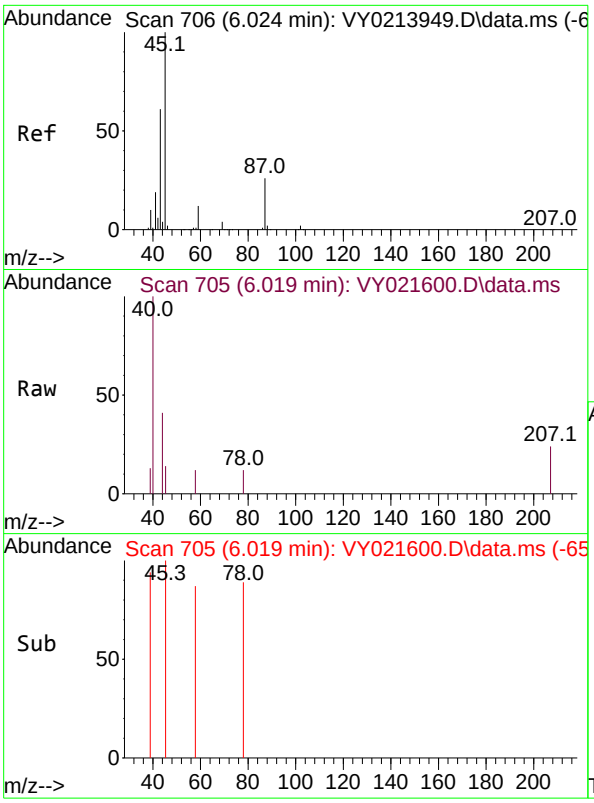


#19
Methyl tert-butyl Ether
Concen: 6.983 ug/l
RT: 5.287 min Scan# 585
Delta R.T. 0.165 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Tgt Ion: 73 Resp: 22

Ion	Ratio	Lower	Upper
73	100		
57	0.0	17.9	26.9#



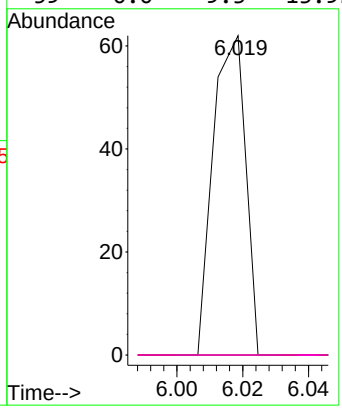


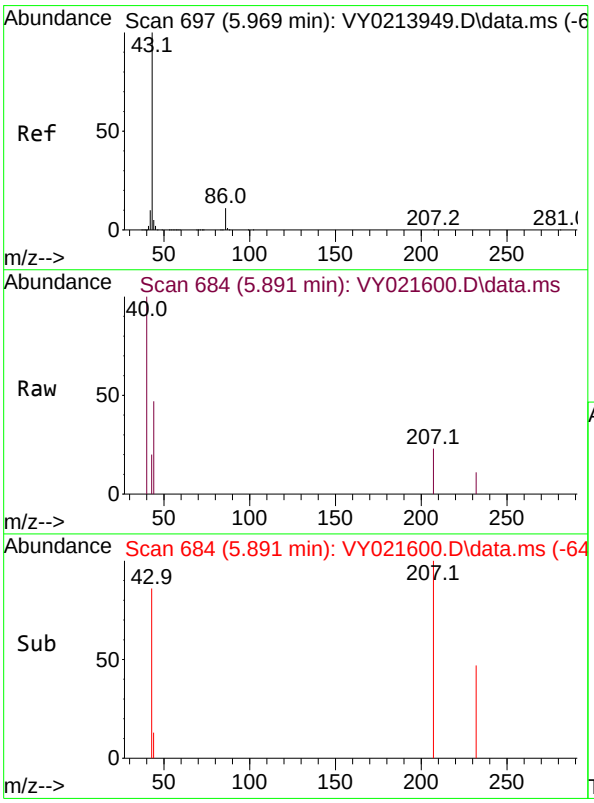
#22
Diisopropyl ether
Concen: 9.702 ug/l
RT: 6.019 min Scan# 7(
Delta R.T. -0.006 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

Tgt Ion: 45 Resp: 42

Ion	Ratio	Lower	Upper
45	100		
43	0.0	48.7	73.1#
87	0.0	21.5	32.3#
59	0.0	9.3	13.9#

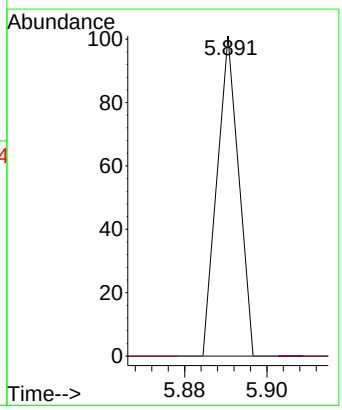


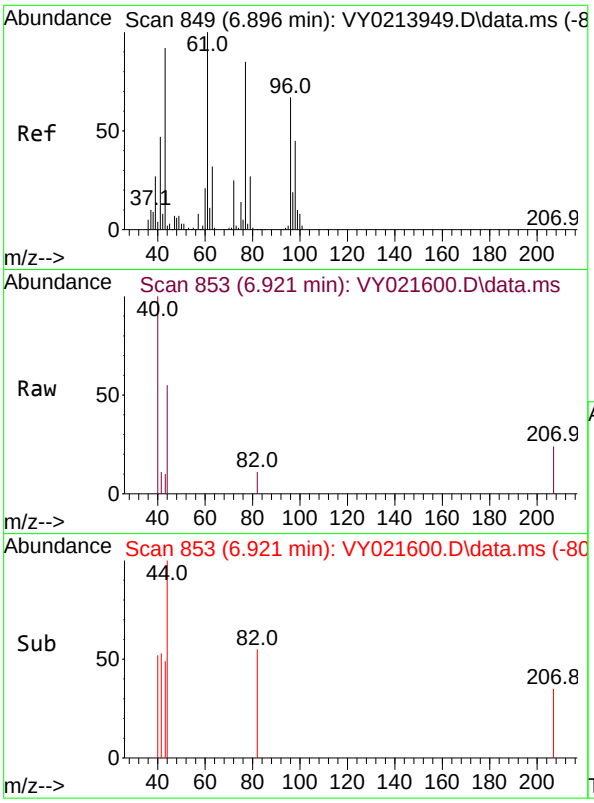


#23
Vinyl Acetate
Concen: 14.977 ug/l
RT: 5.891 min Scan# 684
Delta R.T. -0.079 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Tgt Ion: 43 Resp: 37

Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.5	12.7#



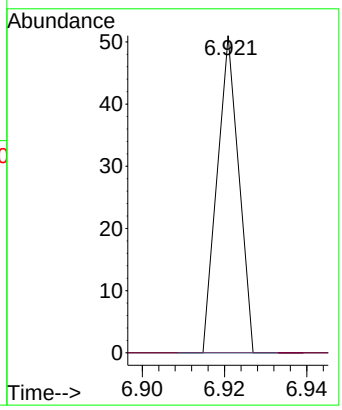


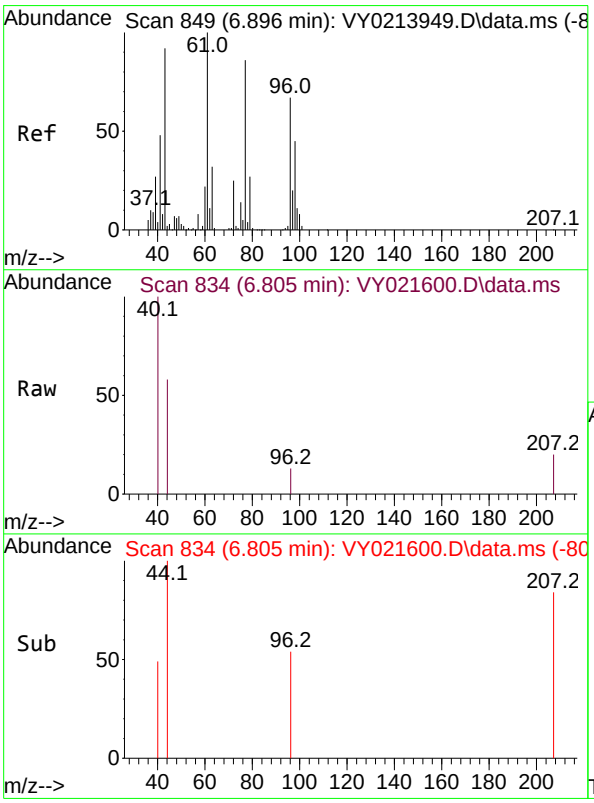
#25
2-Butanone
Concen: 49.241 ug/l
RT: 6.921 min Scan# 8
Delta R.T. 0.025 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

Tgt Ion: 43 Resp: 19

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.4	32.0#

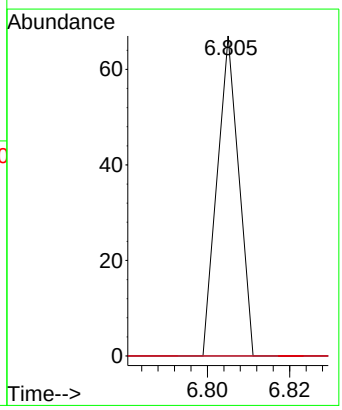


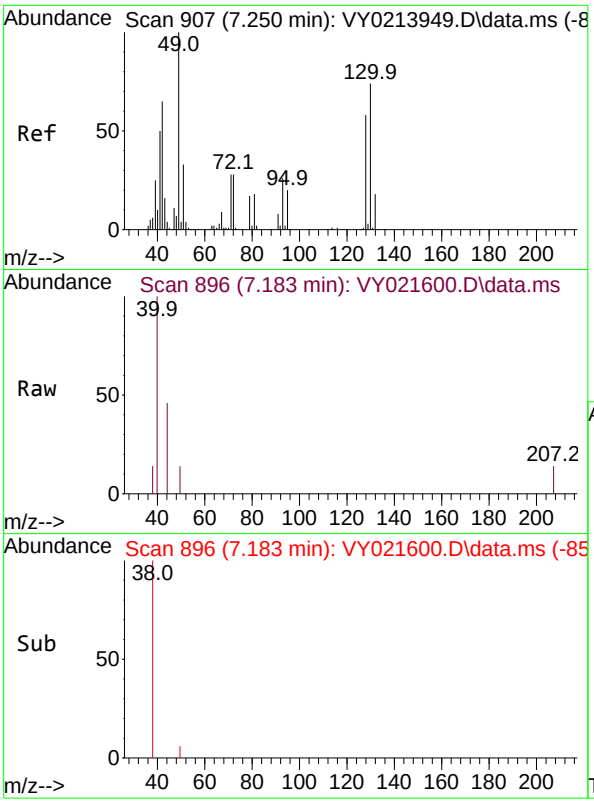


#27
cis-1,2-Dichloroethene
Concen: 15.809 ug/l
RT: 6.805 min Scan# 834
Delta R.T. -0.091 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Tgt Ion: 96 Resp: 25

Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	300.8
98	0.0	0.0	130.0



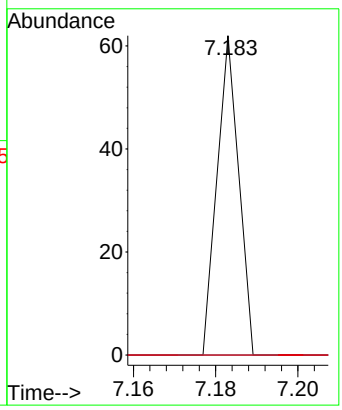


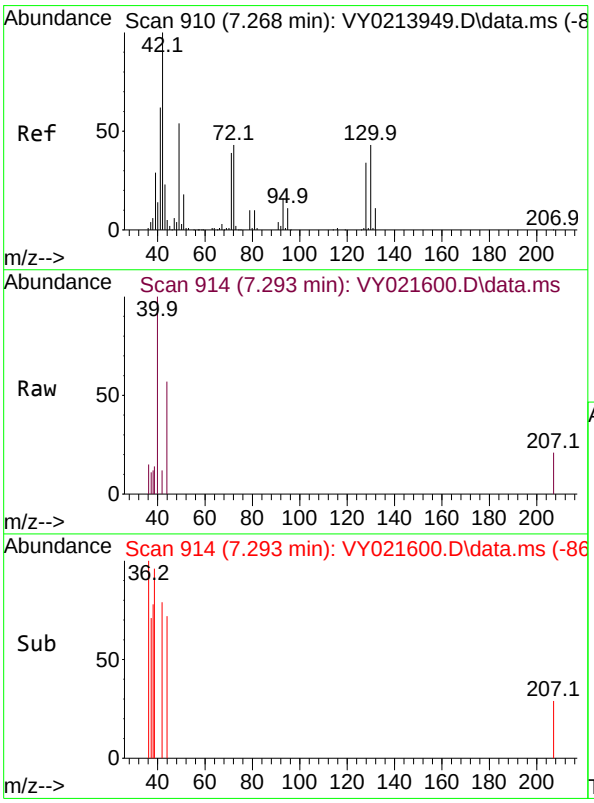
#28
Bromochloromethane
Concen: 21.473 ug/l
RT: 7.183 min Scan# 8
Delta R.T. -0.067 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

Tgt Ion: 49 Resp: 23

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	0.0	59.6	89.4#

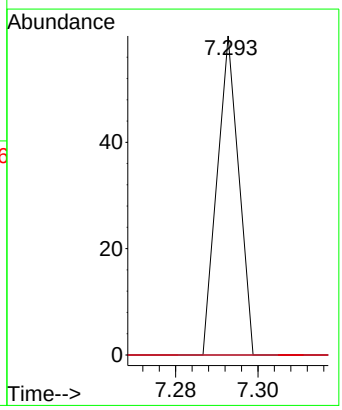


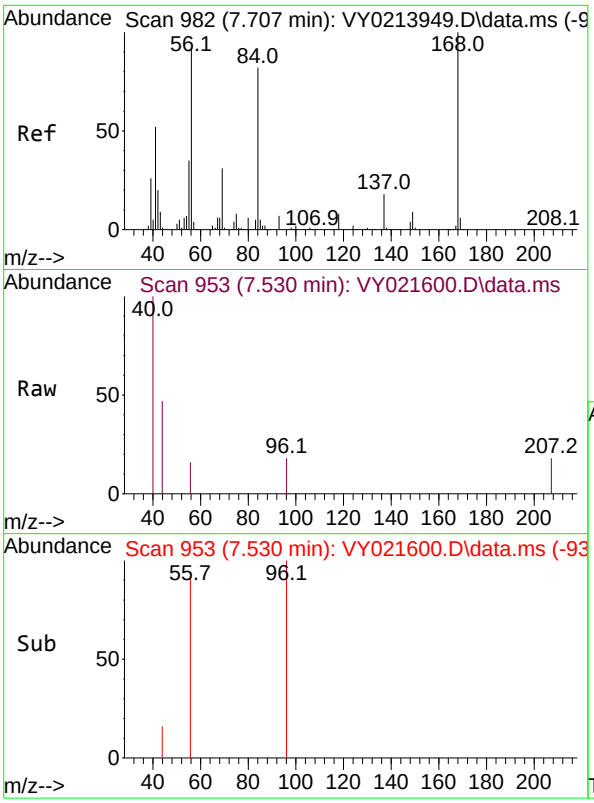


#29
Tetrahydrofuran
Concen: 92.356 ug/l
RT: 7.293 min Scan# 914
Delta R.T. 0.025 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Tgt Ion: 42 Resp: 22

Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.8	52.2#
71	0.0	32.6	48.8#



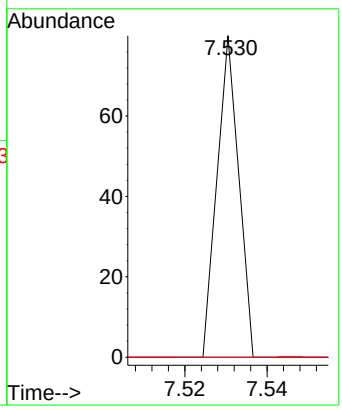


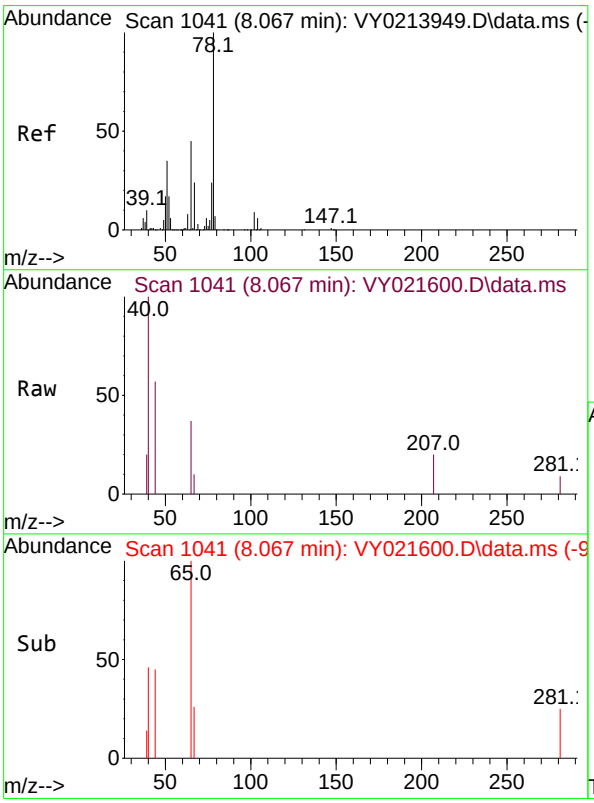
#31
Cyclohexane
Concen: 12.108 ug/l
RT: 7.530 min Scan# 9
Delta R.T. -0.176 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

Tgt Ion: 56 Resp: 29

Ion	Ratio	Lower	Upper
56	100		
69	0.0	27.0	40.4#
84	0.0	71.1	106.7#

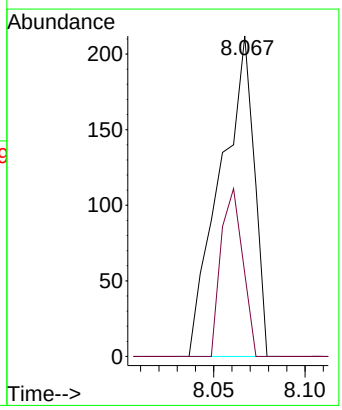


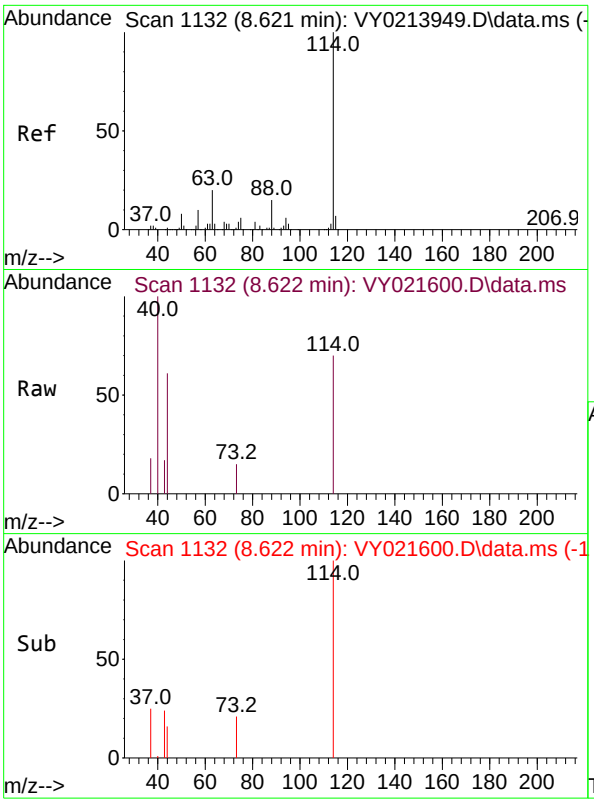


#33
1,2-Dichloroethane-d4
Concen: 213.465 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Tgt Ion: 65 Resp: 273

Ion	Ratio	Lower	Upper
65	100		
67	33.7	0.0	102.8



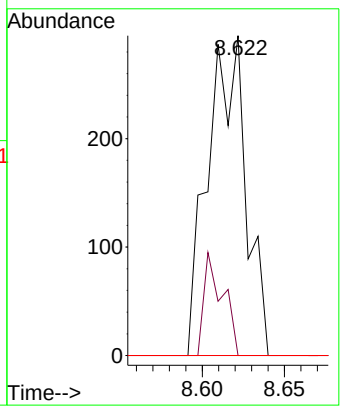


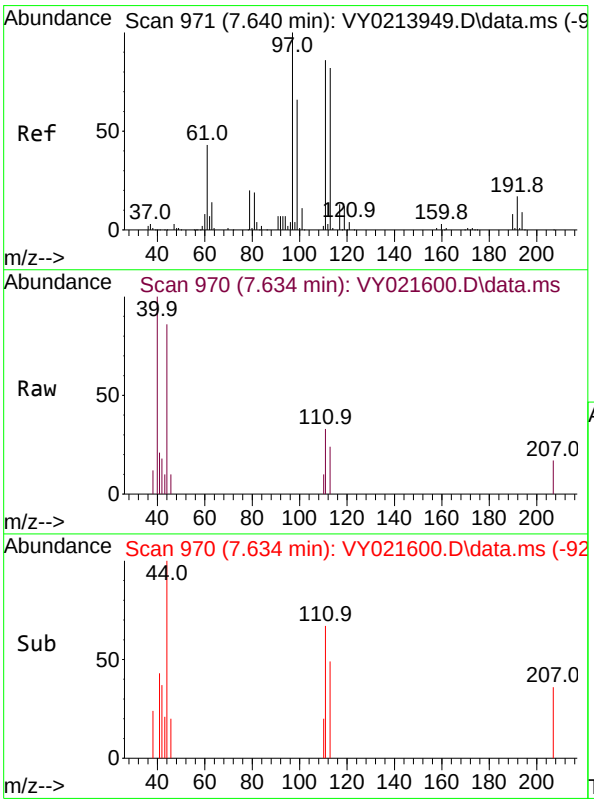
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

Tgt Ion:114 Resp: 473

Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	40.8
88	0.0	0.0	30.8

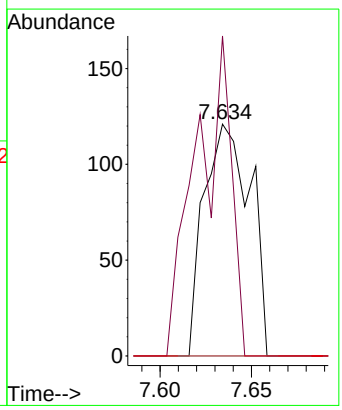


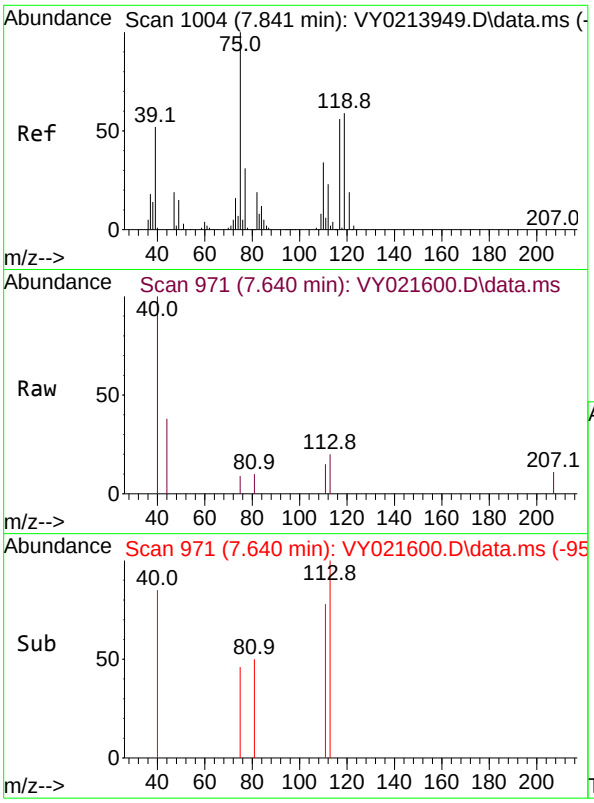


#35
Dibromofluoromethane
Concen: 68.830 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Tgt Ion:113 Resp: 214

Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.0	123.0
192	0.0	15.9	23.9#



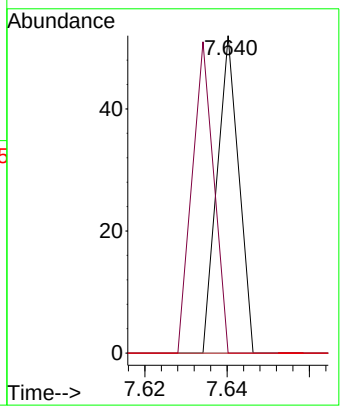


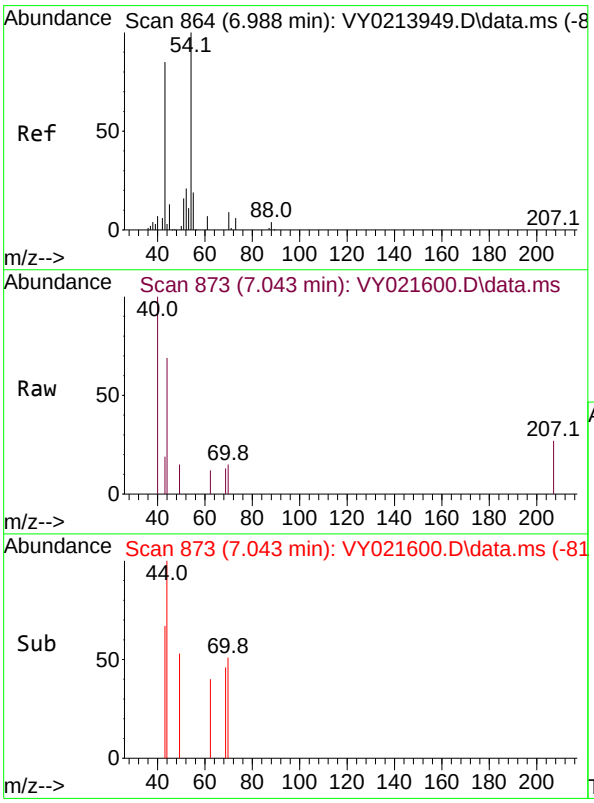
#36
1,1-Dichloropropene
Concen: 3.904 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.201 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

Tgt Ion: 75 Resp: 19

Ion	Ratio	Lower	Upper
75	100		
110	100.0	17.3	51.7#
77	0.0	25.4	38.2#

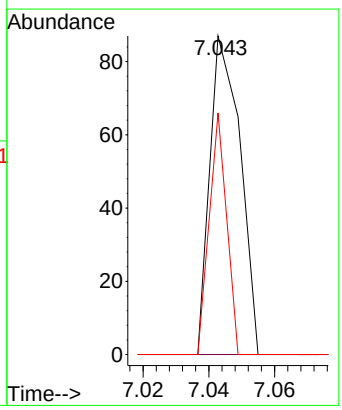


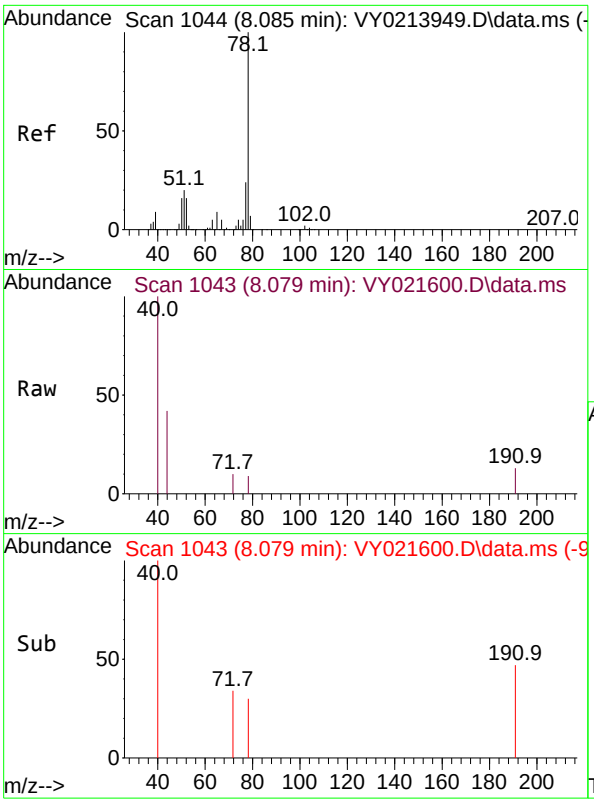


#37
Ethyl Acetate
Concen: 26.034 ug/l
RT: 7.043 min Scan# 873
Delta R.T. 0.055 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Tgt Ion: 43 Resp: 56

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.4	17.0#
70	42.9	8.2	12.2#



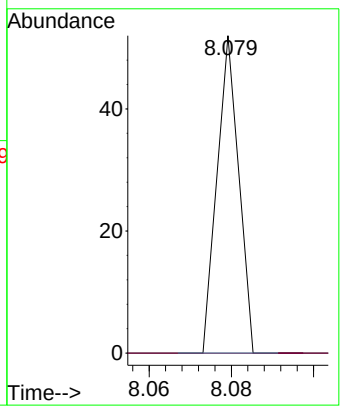


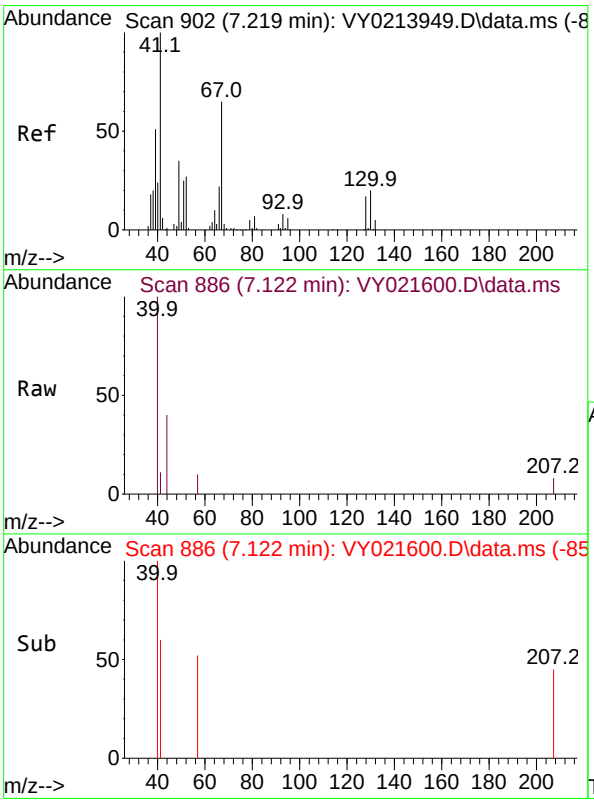
#40
Benzene
Concen: 1.325 ug/l
RT: 8.079 min Scan# 1(
Delta R.T. -0.006 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

Tgt Ion: 78 Resp: 19

Ion	Ratio	Lower	Upper
78	100		
77	0.0	19.0	28.4#

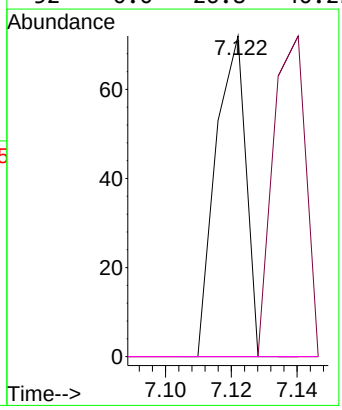


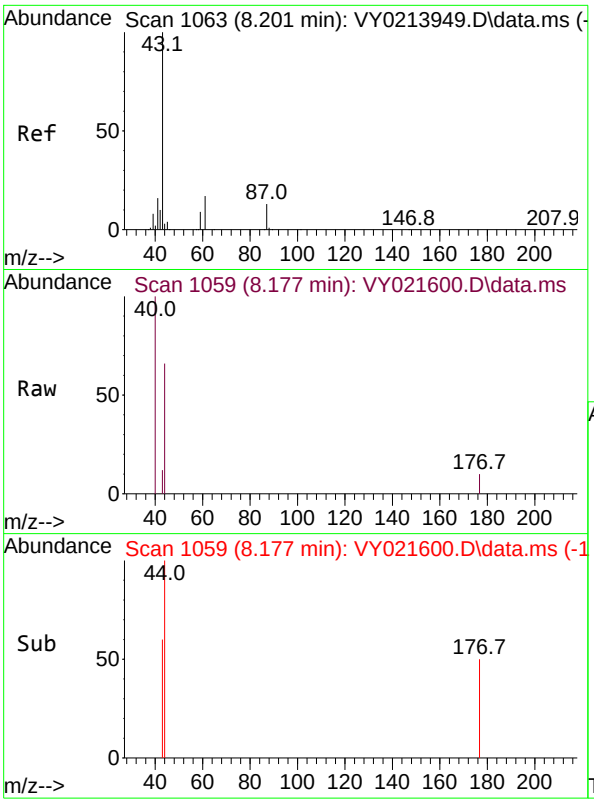


#41
Methacrylonitrile
Concen: 39.275 ug/l
RT: 7.122 min Scan# 886
Delta R.T. -0.097 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Tgt Ion: 41 Resp: 46

Ion	Ratio	Lower	Upper
41	100		
39	106.5	35.0	52.6#
67	0.0	61.2	91.8#
52	0.0	26.8	40.2#



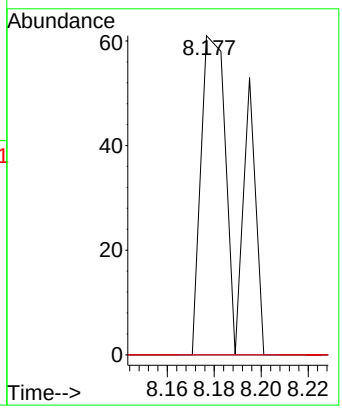


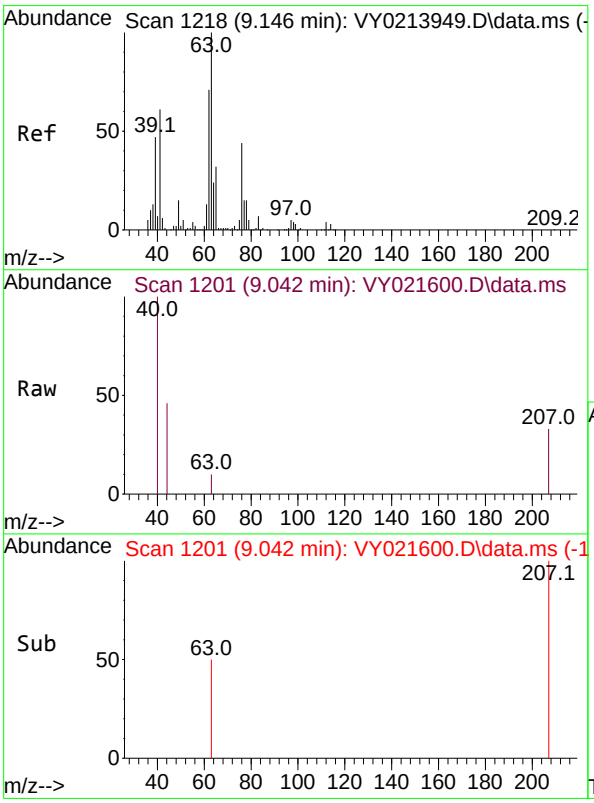
#43
Isopropyl Acetate
Concen: 15.087 ug/l
RT: 8.177 min Scan# 1
Delta R.T. -0.024 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

Tgt Ion: 43 Resp: 63

Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.4	35.0#
87	0.0	10.5	15.7#

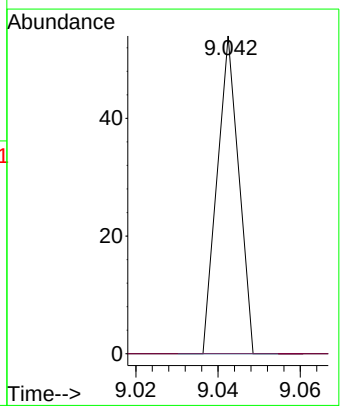


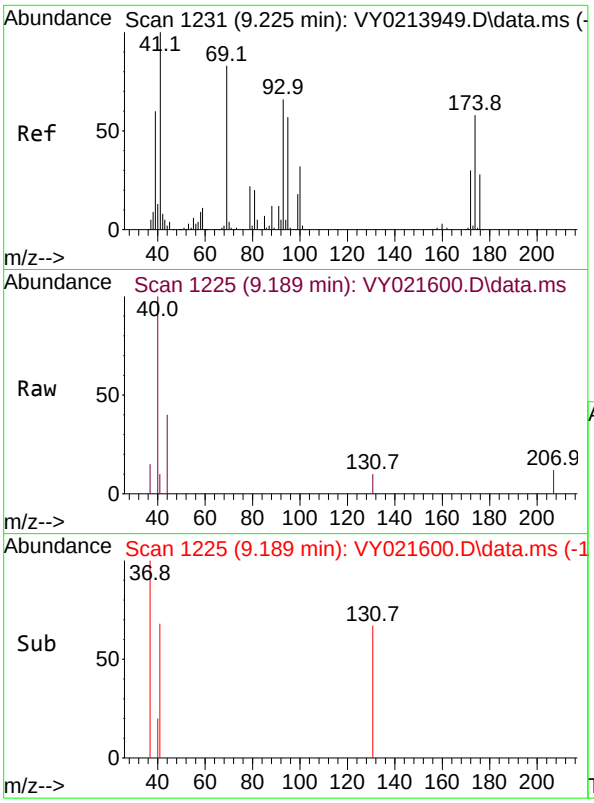


#45
1,2-Dichloropropane
Concen: 5.862 ug/l
RT: 9.042 min Scan# 1201
Delta R.T. -0.103 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Tgt Ion: 63 Resp: 20

Ion	Ratio	Lower	Upper
63	100		
65	0.0	26.0	39.0#



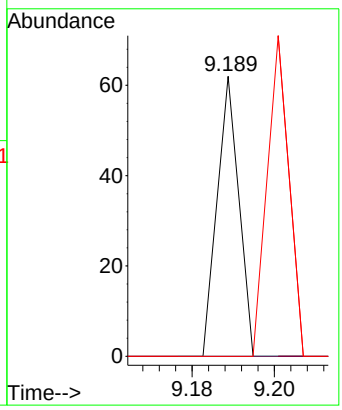


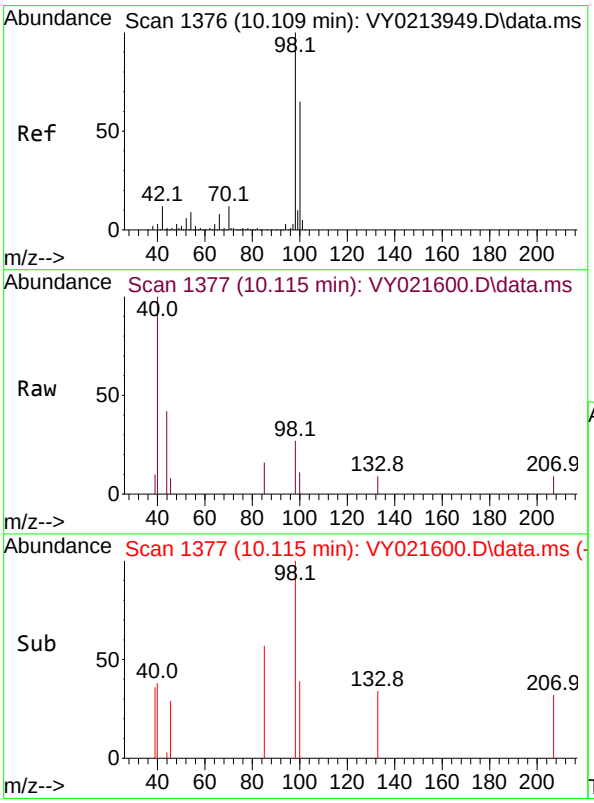
#48
Methyl methacrylate
Concen: 11.995 ug/l
RT: 9.189 min Scan# 1
Delta R.T. -0.036 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

Tgt Ion: 41 Resp: 23

Ion	Ratio	Lower	Upper
41	100		
69	0.0	67.8	101.8#
39	113.0	46.4	69.6#

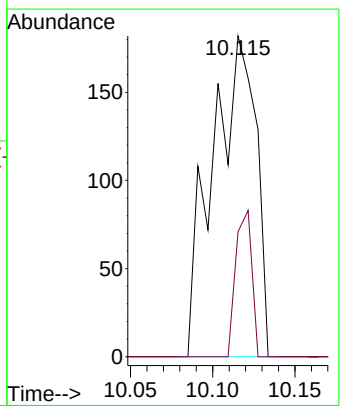


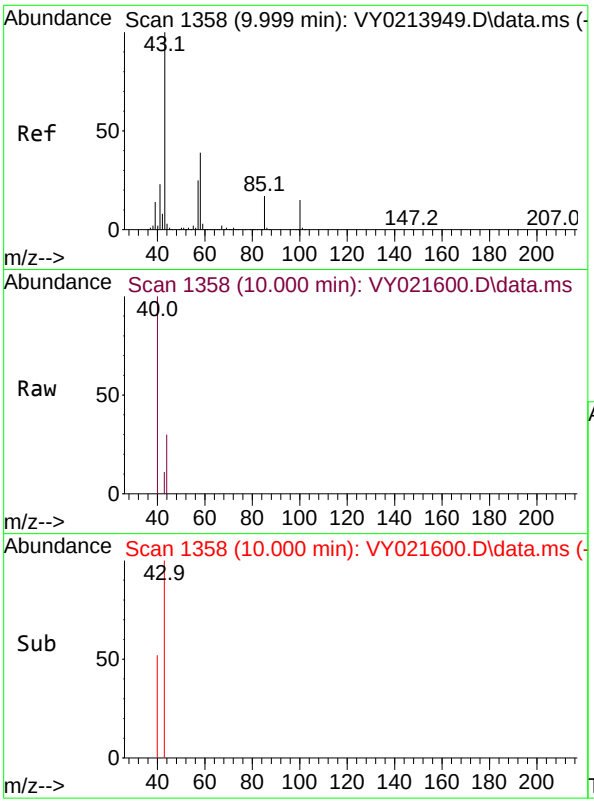


#50
Toluene-d8
Concen: 28.372 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Tgt Ion: 98 Resp: 334

Ion	Ratio	Lower	Upper
98	100		
100	16.8	52.1	78.1#



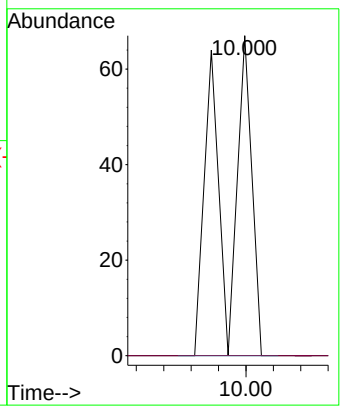


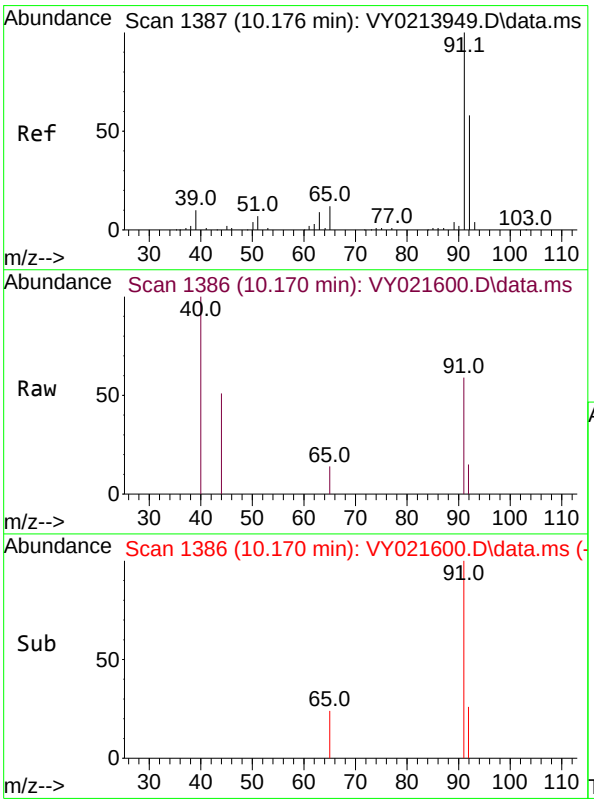
#51
4-Methyl-2-Pentanone
Concen: 22.279 ug/l
RT: 10.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

Tgt Ion: 43 Resp: 48

Ion	Ratio	Lower	Upper
43	100		
58	0.0	31.4	47.2#

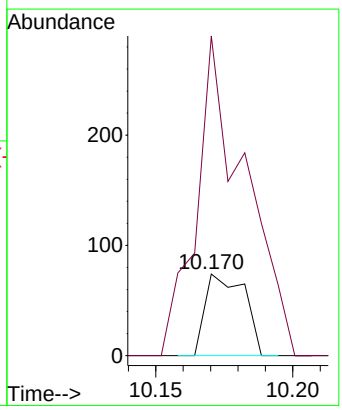


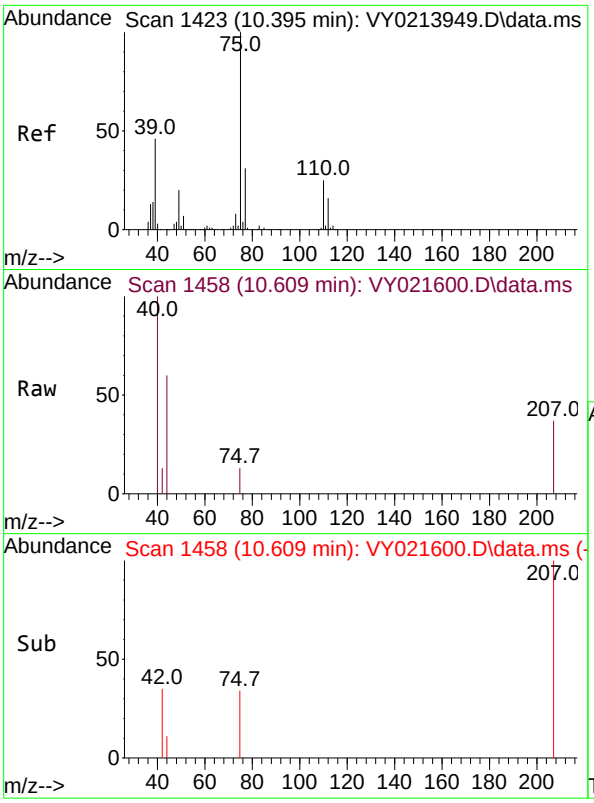


#52
Toluene
Concen: 8.187 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Tgt Ion: 92 Resp: 74

Ion	Ratio	Lower	Upper
92	100		
91	486.5	138.2	207.2#



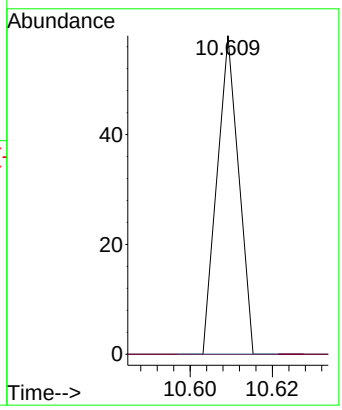


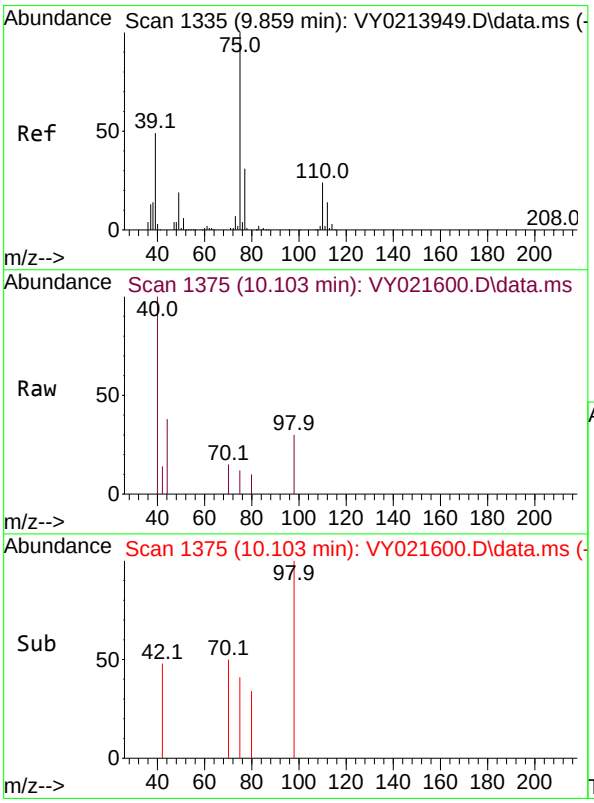
#53
t-1,3-Dichloropropene
Concen: 4.728 ug/l
RT: 10.609 min Scan# 14
Delta R.T. 0.214 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

Tgt Ion: 75 Resp: 21

Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.0	37.6#

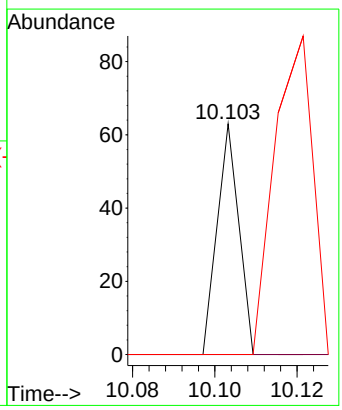


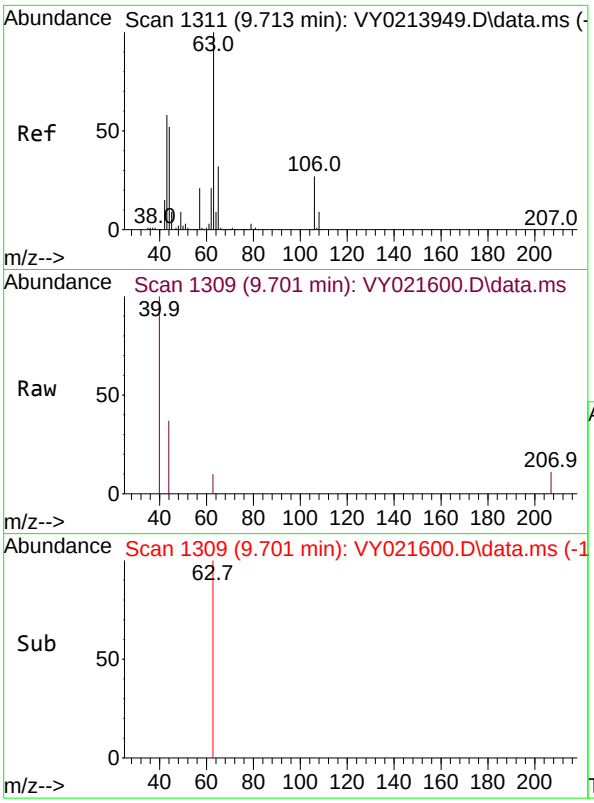


#54
cis-1,3-Dichloropropene
Concen: 4.361 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.244 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Tgt Ion: 75 Resp: 23

Ion	Ratio	Lower	Upper
75	100		
77	0.0	24.6	37.0#
39	0.0	39.4	59.2#



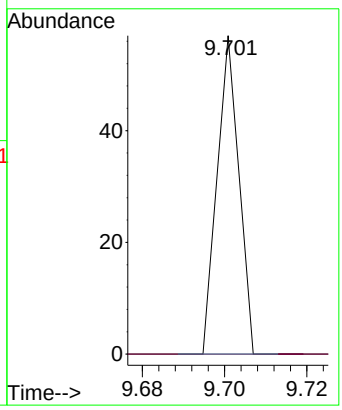


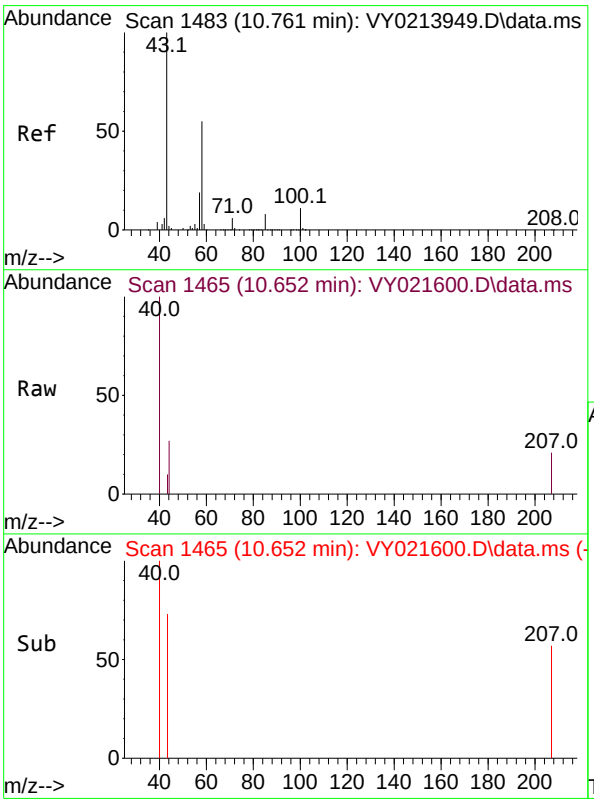
#58
2-Chloroethyl Vinyl ether
Concen: 14.363 ug/l
RT: 9.701 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

Tgt Ion: 63 Resp: 21

Ion	Ratio	Lower	Upper
63	100		
106	0.0	22.1	33.1#

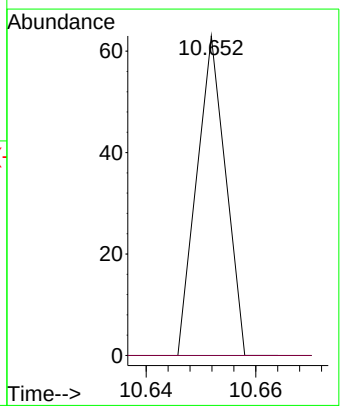


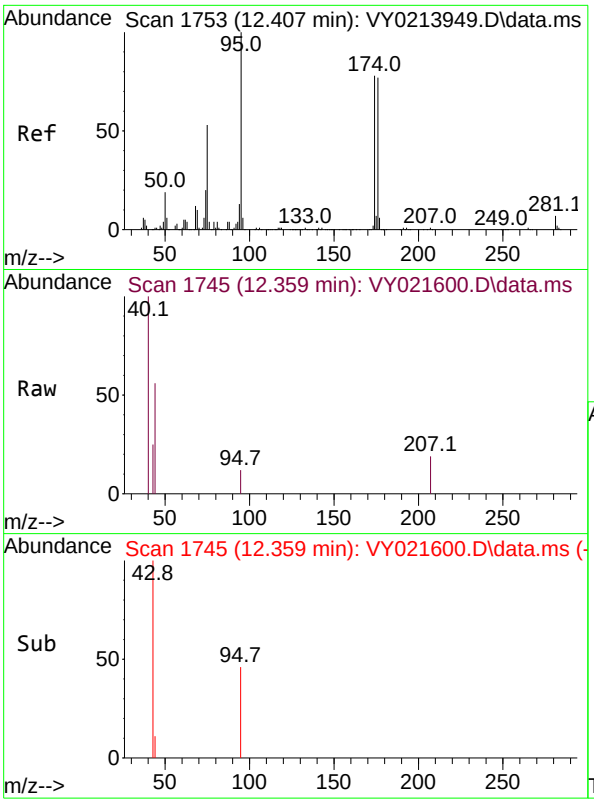


#59
2-Hexanone
Concen: 16.145 ug/l
RT: 10.652 min Scan# 1465
Delta R.T. -0.109 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Tgt Ion: 43 Resp: 23

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.3	81.8#



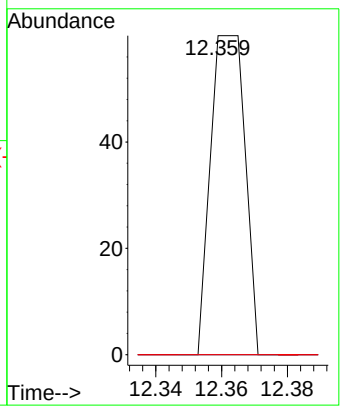


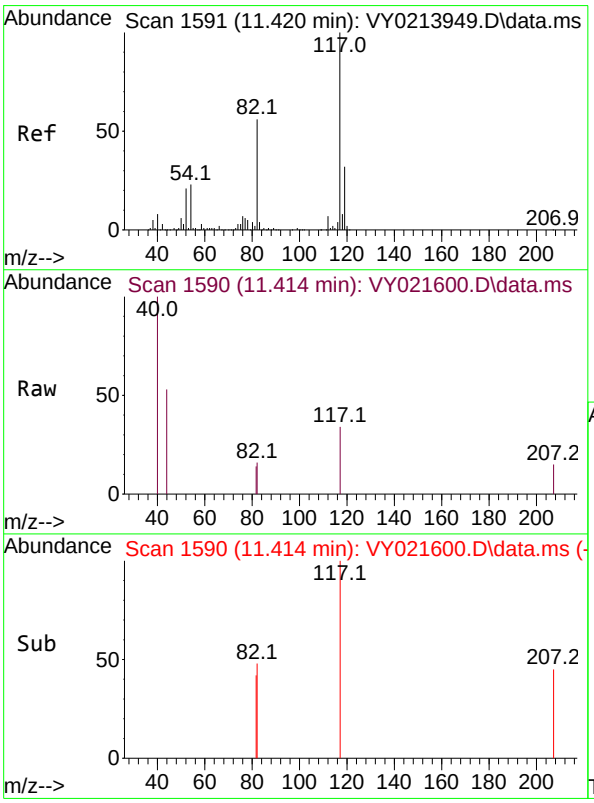
#62
4-Bromofluorobenzene
Concen: 10.988 ug/l
RT: 12.359 min Scan# 1
Delta R.T. -0.048 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

Tgt Ion: 95 Resp: 44

Ion	Ratio	Lower	Upper
95	100		
174	0.0	0.0	165.0
176	0.0	0.0	160.0

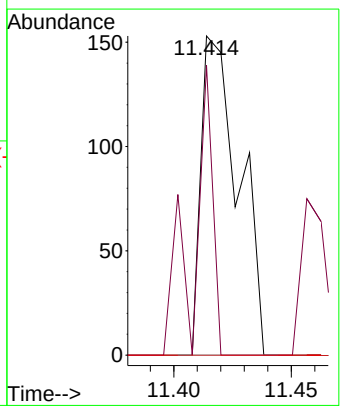


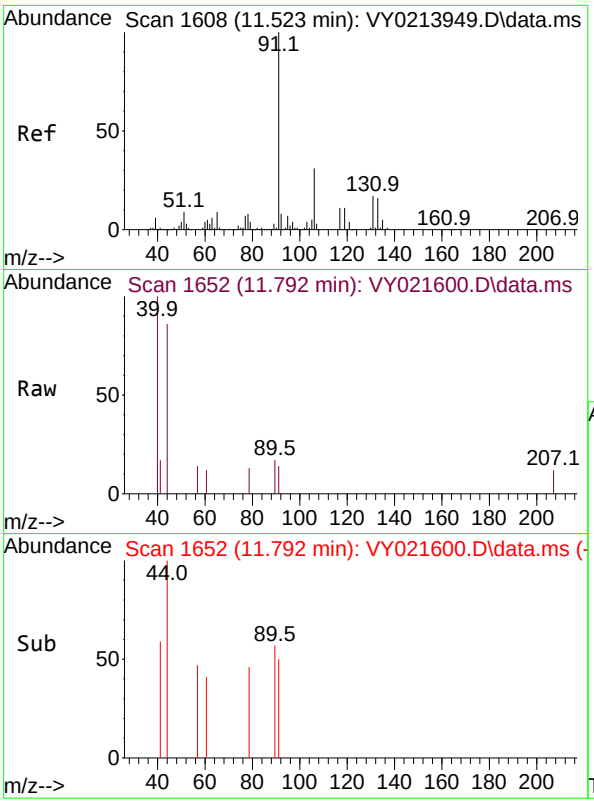


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Tgt Ion:117 Resp: 170

Ion	Ratio	Lower	Upper
117	100		
82	90.8	44.6	67.0#
119	0.0	25.4	38.0#



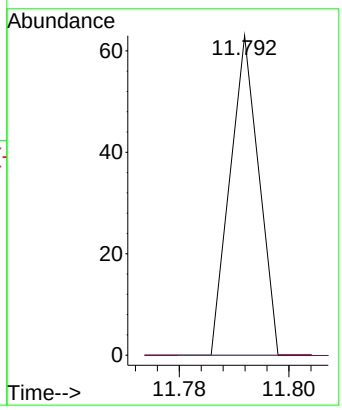


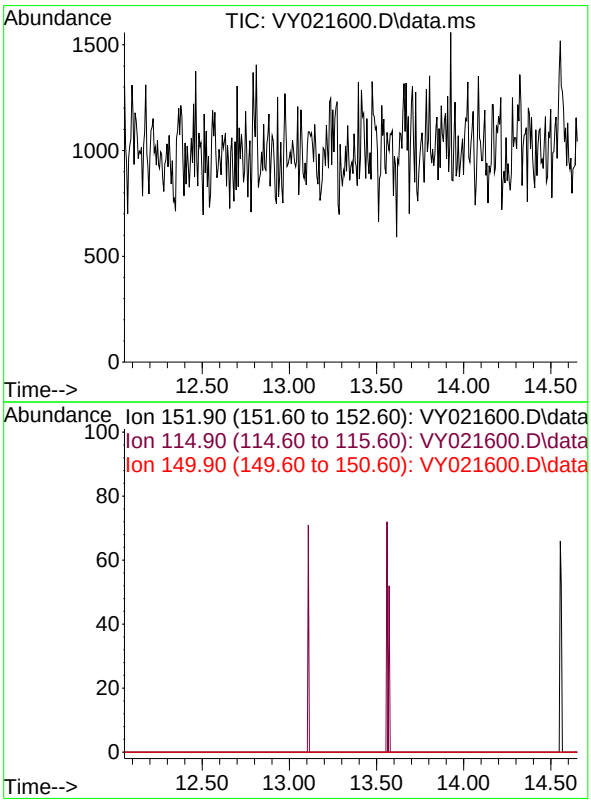
#67
Ethyl Benzene
Concen: 3.264 ug/l
RT: 11.792 min Scan# 1
Delta R.T. 0.269 min
Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
CHRT28607

Tgt Ion: 91 Resp: 23

Ion	Ratio	Lower	Upper
91	100		
106	0.0	24.6	36.8#





#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 13.35 min

Lab File: VY021600.D
Acq: 21 Mar 2025 15:25

Tgt Ion: 152

Sig	Exp Ratio
152	100
115	58.0
150	173.6