Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031325\
Data File : VY021520.D
Acq On : 13 Mar 2025 13:11
Operator : SY/MD
Sample : Q1545-02
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BU-02-031125

Quant Time: Mar 14 14:55:59 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	7.707	168	21	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.622	114	229	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	84	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	8.079	65	106	477.569	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 955.140%#			
35) Dibromofluoromethane	0.000	113	0	0.000	ug/l	
Spiked Amount 50.000	Range 54 - 147		Recovery = 0.000%#			
50) Toluene-d8	10.115	98	288	50.532	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.060%			
62) 4-Bromofluorobenzene	12.414	95	83	42.812	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.620%			
Target Compounds						Qvalue
3) Chloromethane	2.080	50	23	84.654	ug/l #	42
5) Bromomethane	2.623	94	111	517.272	ug/l #	47
6) Chloroethane	2.739	64	20	101.932	ug/l #	41
10) Methyl Iodide	3.994	142	113	469.831	ug/l #	37
11) Tert butyl alcohol	4.781	59	61	4620.956	ug/l #	72
12) 1,1-Dichloroethene	3.543	96	22	101.986	ug/l #	1
13) Acrolein	3.812	56	41	3631.664	ug/l #	10
14) Allyl chloride	4.409	41	81	232.354	ug/l #	21
15) Acrylonitrile	5.262	53	40	818.178	ug/l #	27
16) Acetone	3.781	43	22	454.443	ug/l #	47
18) Methyl Acetate	4.385	43	23	214.123	ug/l #	51
19) Methyl tert-butyl Ether	5.153	73	43	78.647	ug/l #	53
22) Diisopropyl ether	6.092	45	29	38.601	ug/l #	33
25) 2-Butanone	6.829	43	36	537.579	ug/l #	48
27) cis-1,2-Dichloroethene	6.976	96	43	156.679	ug/l #	1
28) Bromochloromethane	7.347	49	29	156.004	ug/l #	14
29) Tetrahydrofuran	7.305	42	25	604.712	ug/l #	33
31) Cyclohexane	7.701	56	23	55.329	ug/l #	15
36) 1,1-Dichloropropene	7.829	75	29	12.308	ug/l #	41
37) Ethyl Acetate	7.116	43	20	19.205	ug/l #	68
40) Benzene	7.805	78	19	2.737	ug/l #	52
41) Methacrylonitrile	7.085	41	42	74.068	ug/l #	26
43) Isopropyl Acetate	8.183	43	19	9.398	ug/l #	52
45) 1,2-Dichloropropane	8.920	63	22	13.318	ug/l #	42
48) Methyl methacrylate	9.292	41	20	21.544	ug/l #	1
51) 4-Methyl-2-Pentanone	10.036	43	29	27.802	ug/l #	36
53) t-1,3-Dichloropropene	10.195	75	19	8.835	ug/l #	43
56) Ethyl methacrylate	10.499	69	21	13.695	ug/l #	29
59) 2-Hexanone	10.725	43	19	27.547	ug/l #	24
67) Ethyl Benzene	11.353	91	23	6.606	ug/l #	44

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031325\
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Operator : SY/MD
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Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
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BU-02-031125

Quant Time: Mar 14 14:55:59 2025
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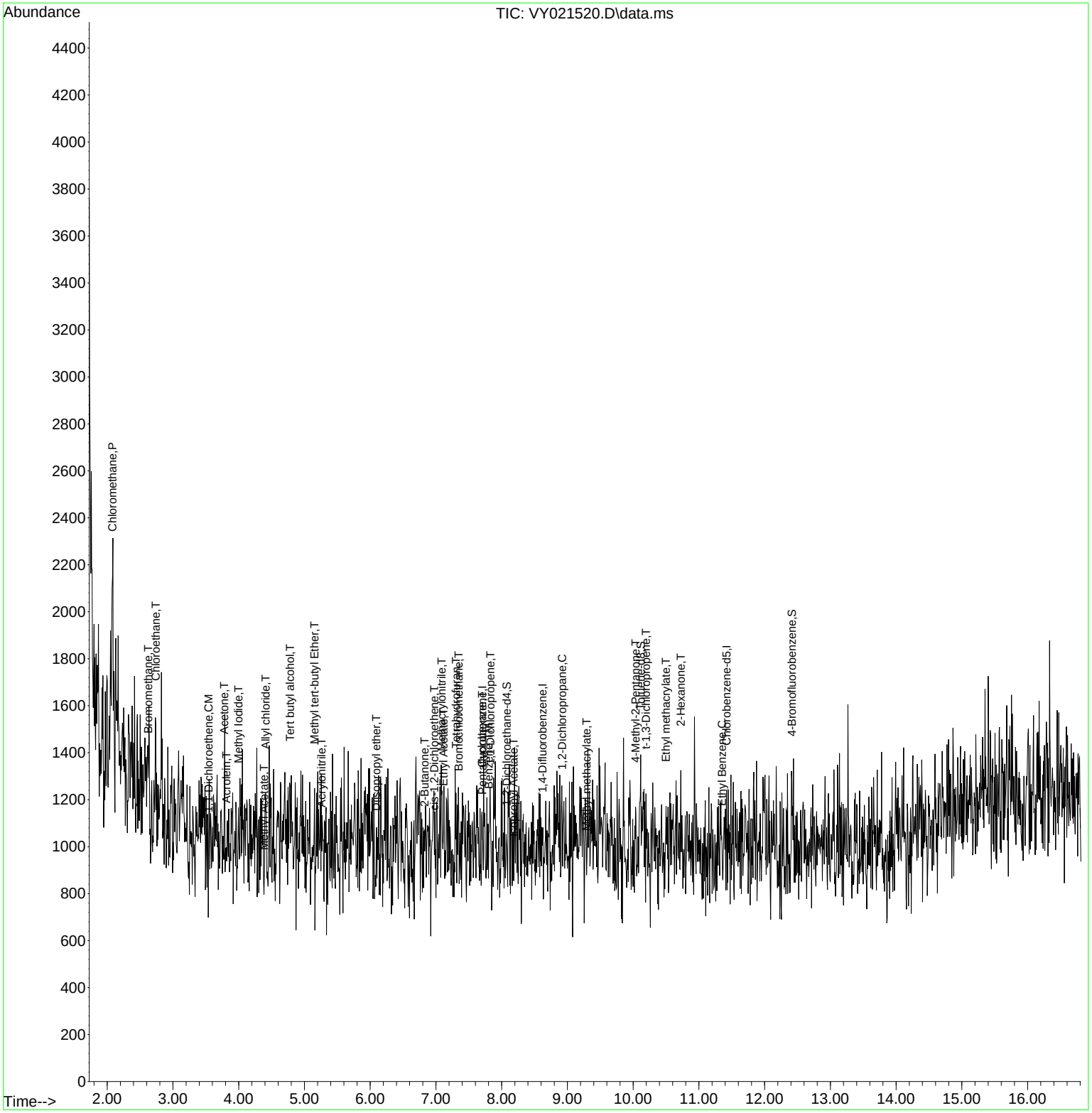
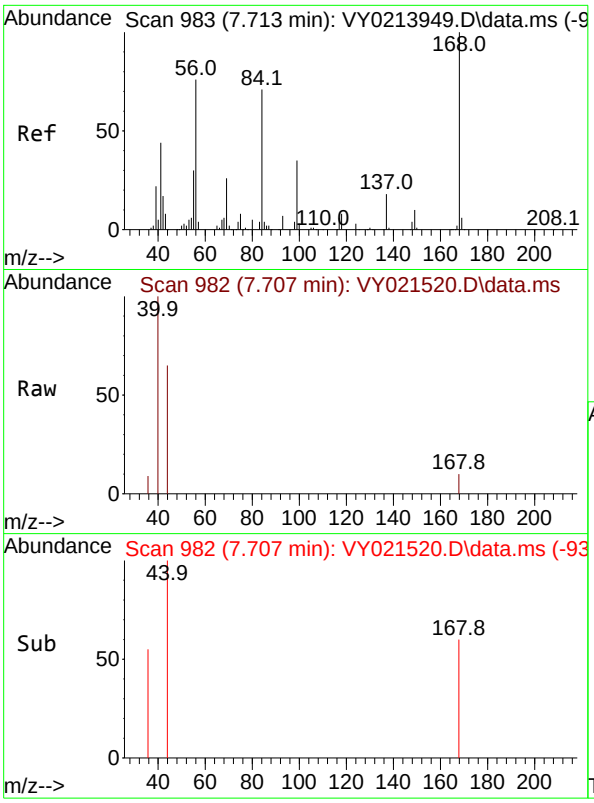
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration



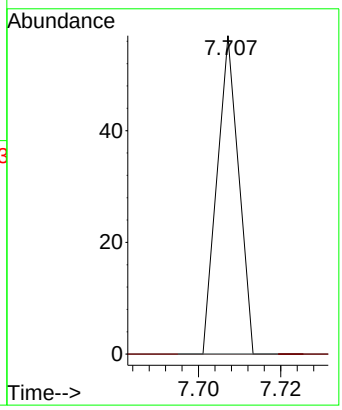


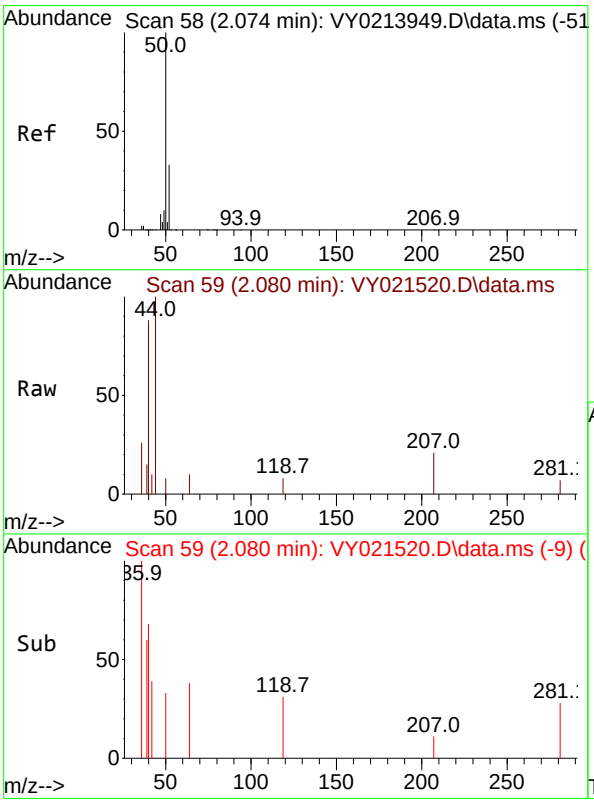
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Instrument :
MSVOA_Y
ClientSampleId :
BU-02-031125

Tgt Ion:168 Resp: 21

Ion	Ratio	Lower	Upper
168	100		
99	0.0	46.0	69.0#

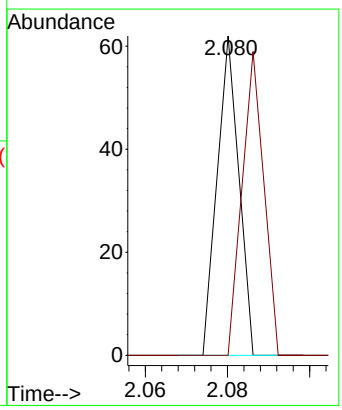


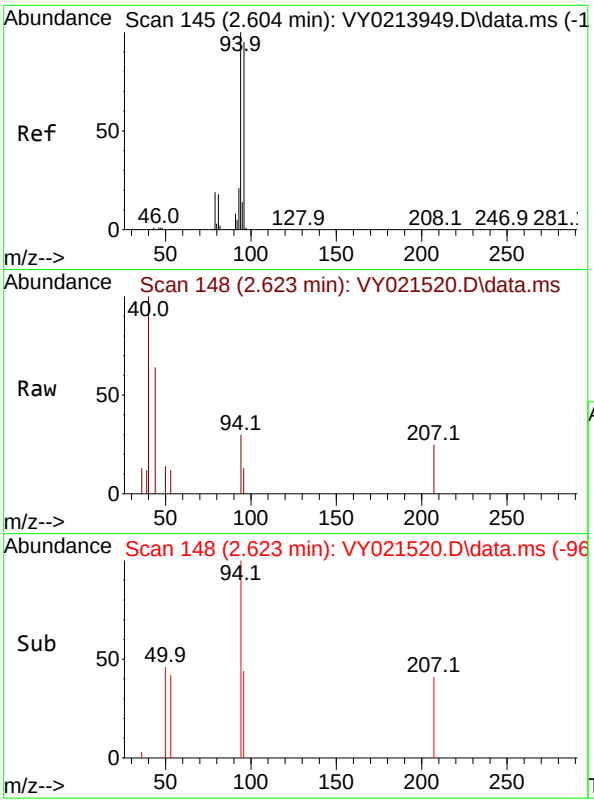


#3
Chloromethane
Concen: 84.654 ug/l
RT: 2.080 min Scan# 59
Delta R.T. 0.006 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Tgt Ion: 50 Resp: 23

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.2	39.2#



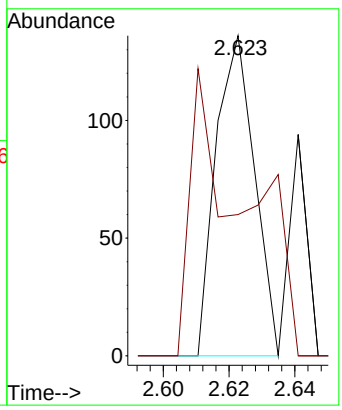


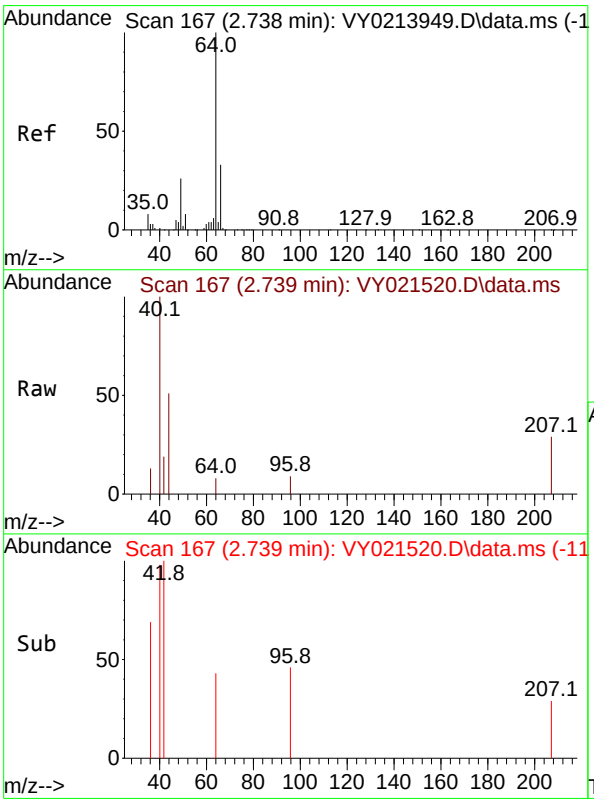
#5
Bromomethane
Concen: 517.272 ug/l
RT: 2.623 min Scan# 14
Delta R.T. 0.019 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Instrument :
MSVOA_Y
ClientSampleId :
BU-02-031125

Tgt Ion: 94 Resp: 111

Ion	Ratio	Lower	Upper
94	100		
96	44.1	76.3	114.5#

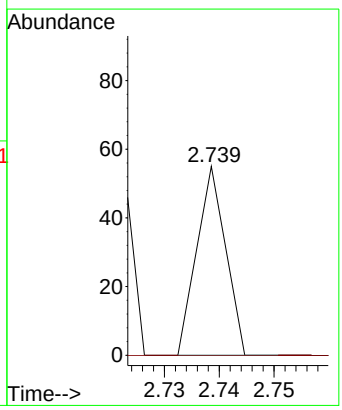


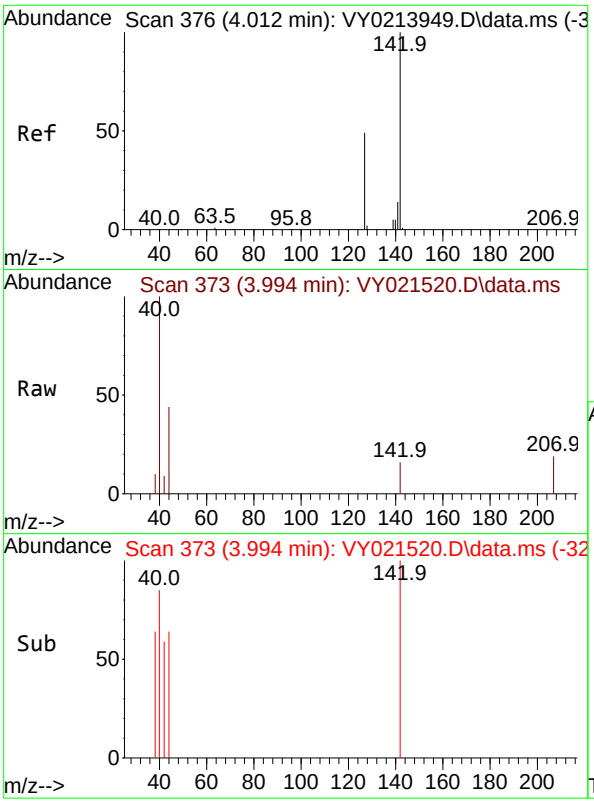


#6
Chloroethane
Concen: 101.932 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Tgt Ion: 64 Resp: 20

Ion	Ratio	Lower	Upper
64	100		
66	0.0	26.7	40.1#



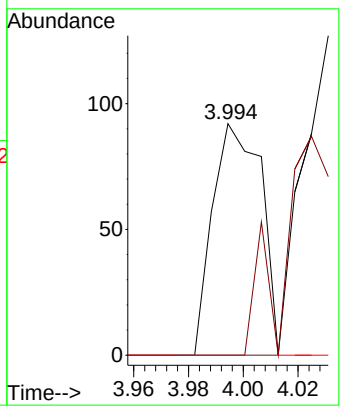


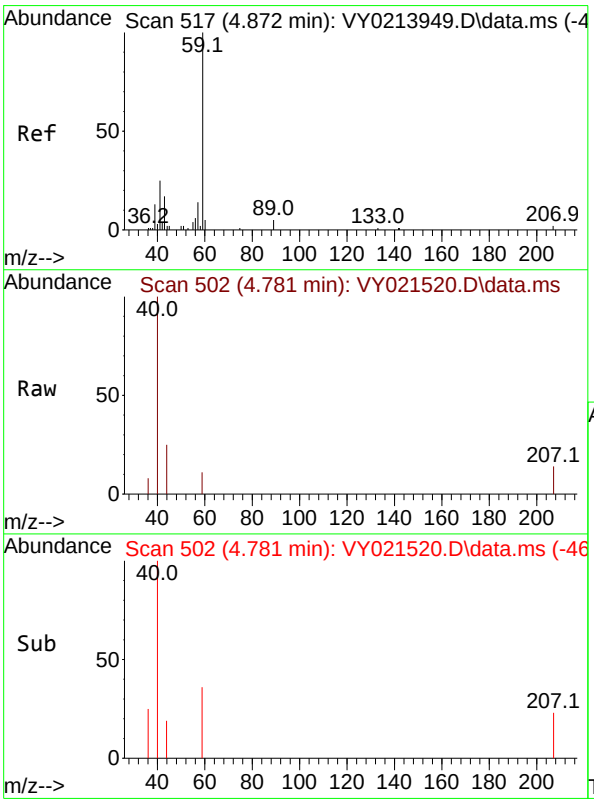
#10
Methyl Iodide
Concen: 469.831 ug/l
RT: 3.994 min Scan# 3
Delta R.T. -0.018 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Instrument :
MSVOA_Y
ClientSampleId :
BU-02-031125

Tgt Ion:142 Resp: 113

Ion	Ratio	Lower	Upper
142	100		
127	0.0	39.1	58.7#
141	0.0	11.8	17.6#

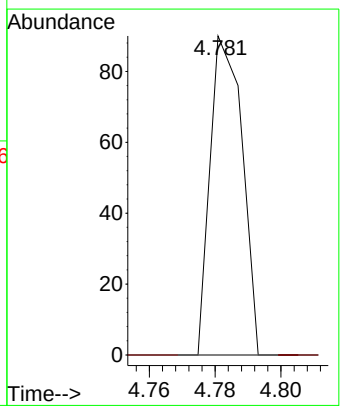


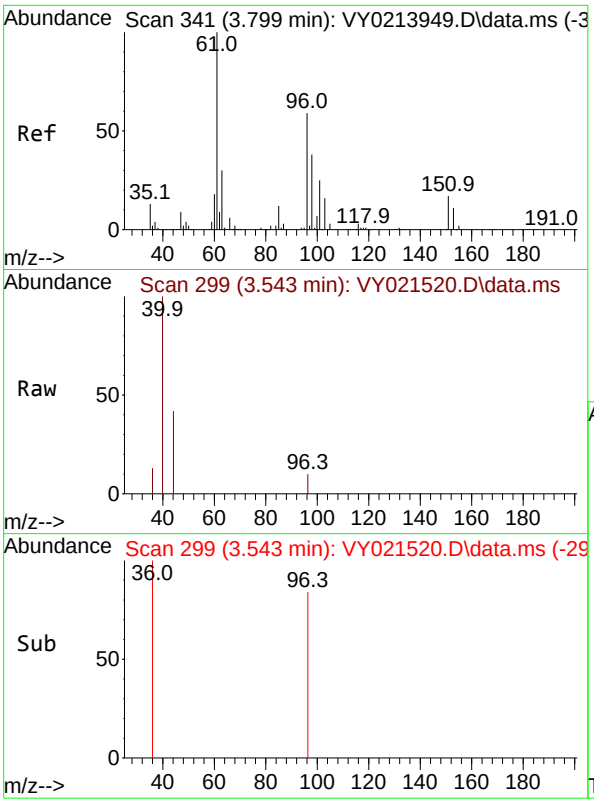


#11
Tert butyl alcohol
Concen: 4620.956 ug/l
RT: 4.781 min Scan# 502
Delta R.T. -0.091 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Tgt Ion: 59 Resp: 61

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#



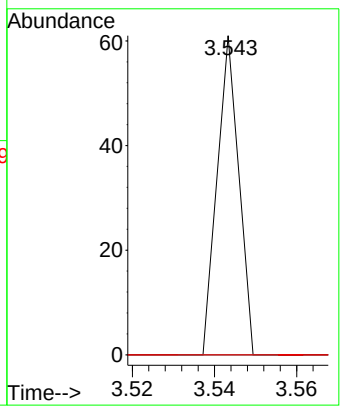


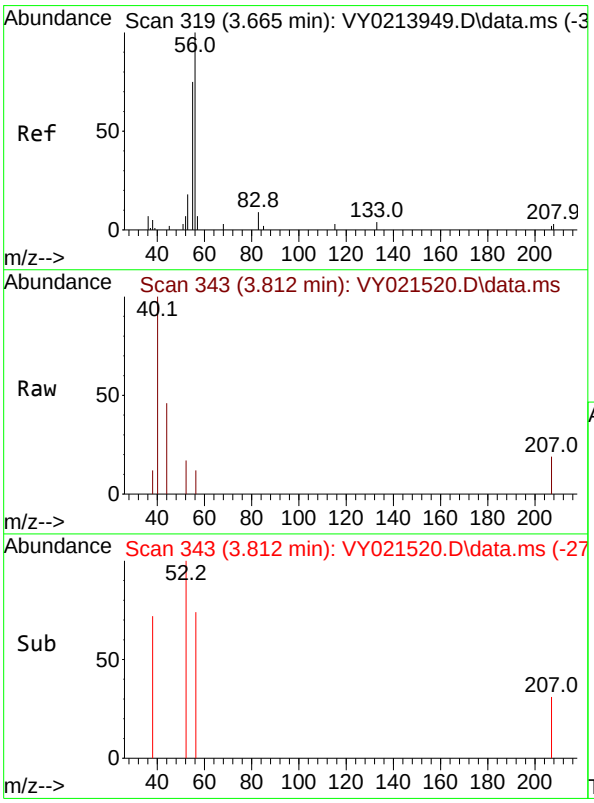
#12
1,1-Dichloroethene
Concen: 101.986 ug/l
RT: 3.543 min Scan# 2
Delta R.T. -0.256 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Instrument :
MSVOA_Y
ClientSampleId :
BU-02-031125

Tgt Ion: 96 Resp: 22

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

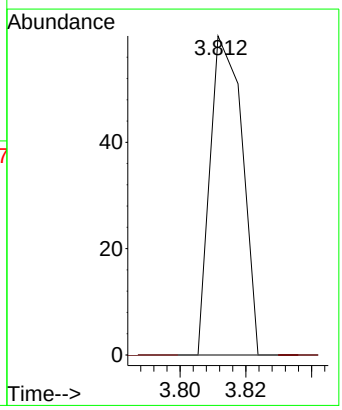


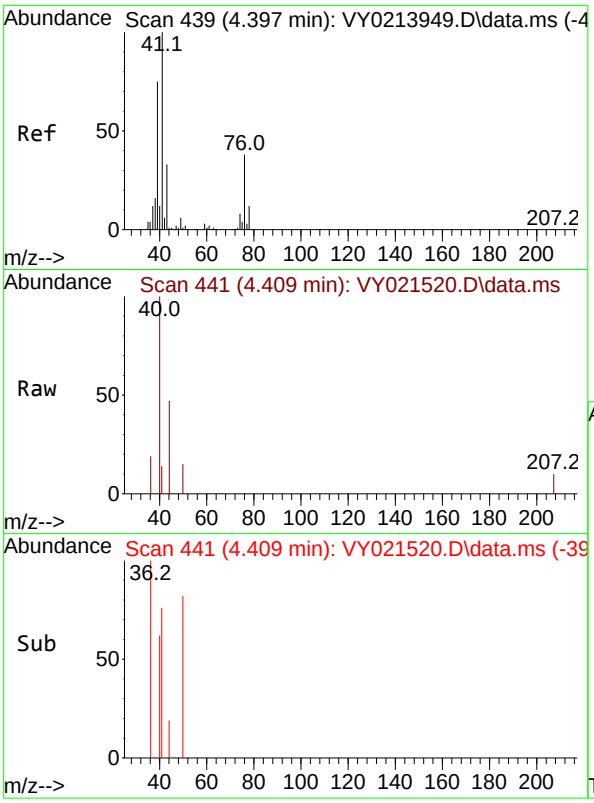


#13
Acrolein
Concen: 3631.664 ug/l
RT: 3.812 min Scan# 343
Delta R.T. 0.147 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Tgt Ion: 56 Resp: 41

Ion	Ratio	Lower	Upper
56	100		
55	0.0	63.4	95.2#



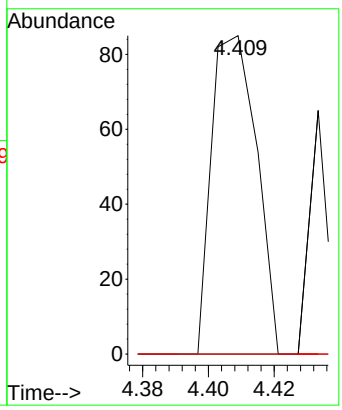


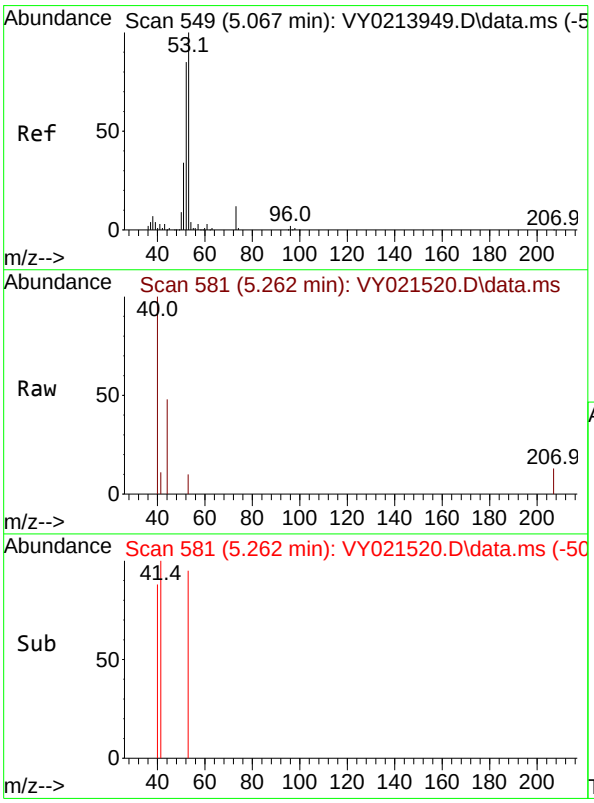
#14
Allyl chloride
Concen: 232.354 ug/l
RT: 4.409 min Scan# 44
Delta R.T. 0.012 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Instrument :
MSVOA_Y
ClientSampleId :
BU-02-031125

Tgt Ion: 41 Resp: 81

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

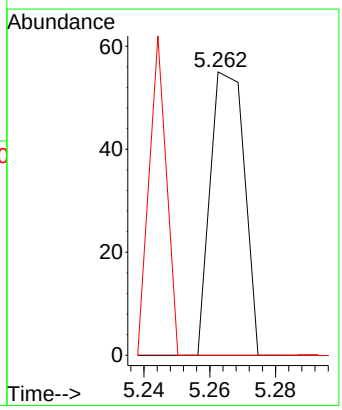


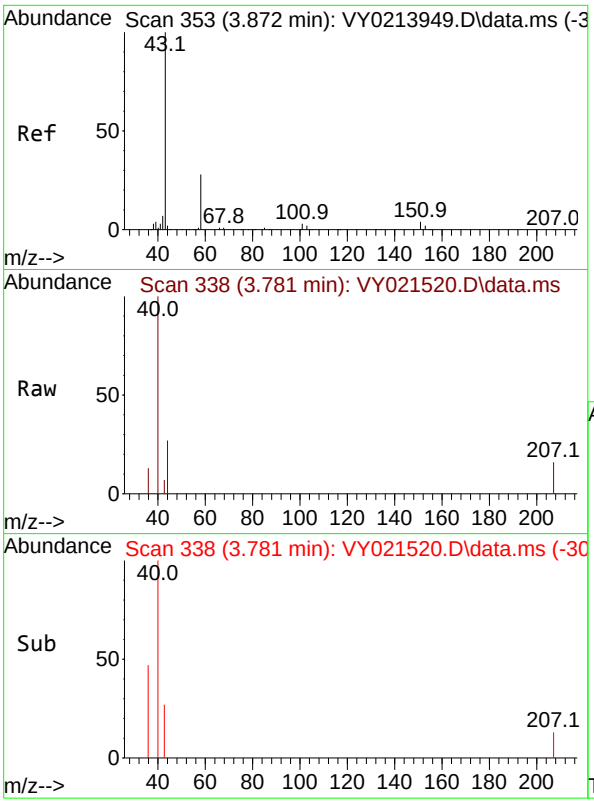


#15
Acrylonitrile
Concen: 818.178 ug/l
RT: 5.262 min Scan# 581
Delta R.T. 0.195 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Tgt Ion: 53 Resp: 40

Ion	Ratio	Lower	Upper
53	100		
52	0.0	66.3	99.5#
51	57.5	30.3	45.5#



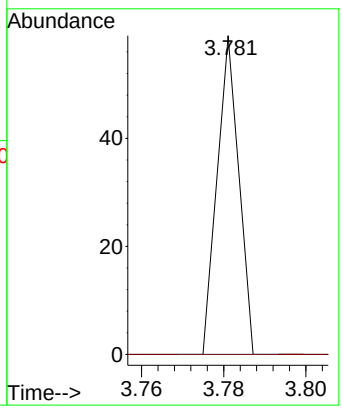


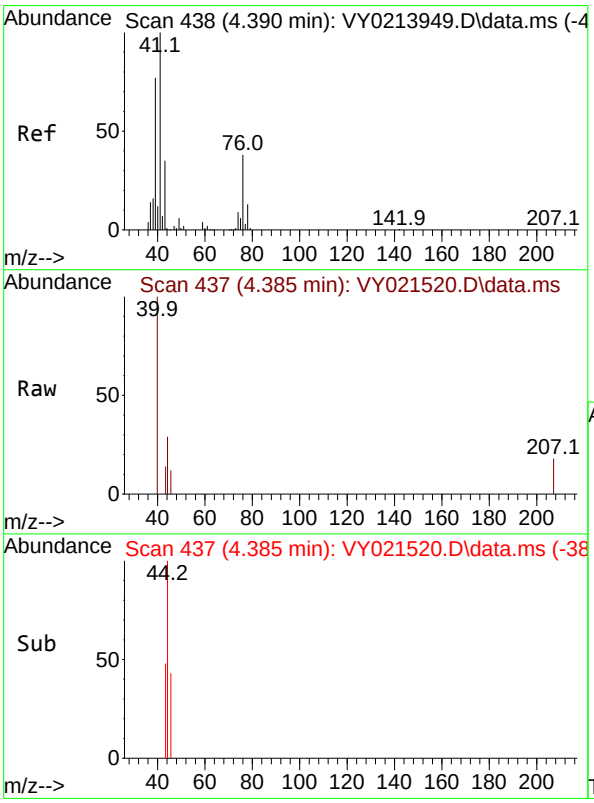
#16
Acetone
Concen: 454.443 ug/l
RT: 3.781 min Scan# 3
Delta R.T. -0.091 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Instrument :
MSVOA_Y
ClientSampleId :
BU-02-031125

Tgt Ion: 43 Resp: 22

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.1	33.1#

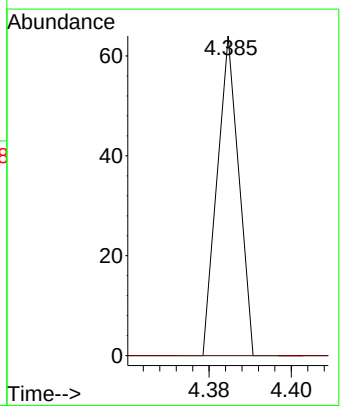


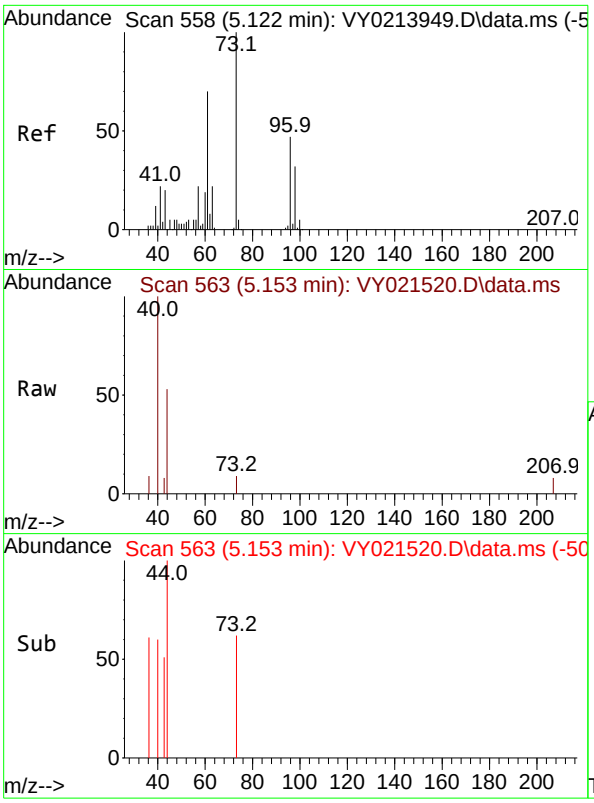


#18
Methyl Acetate
Concen: 214.123 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Tgt Ion: 43 Resp: 23

Ion	Ratio	Lower	Upper
43	100		
74	0.0	19.4	29.0#



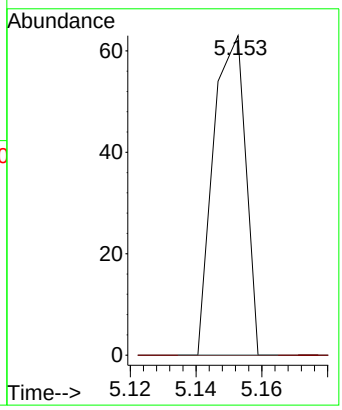


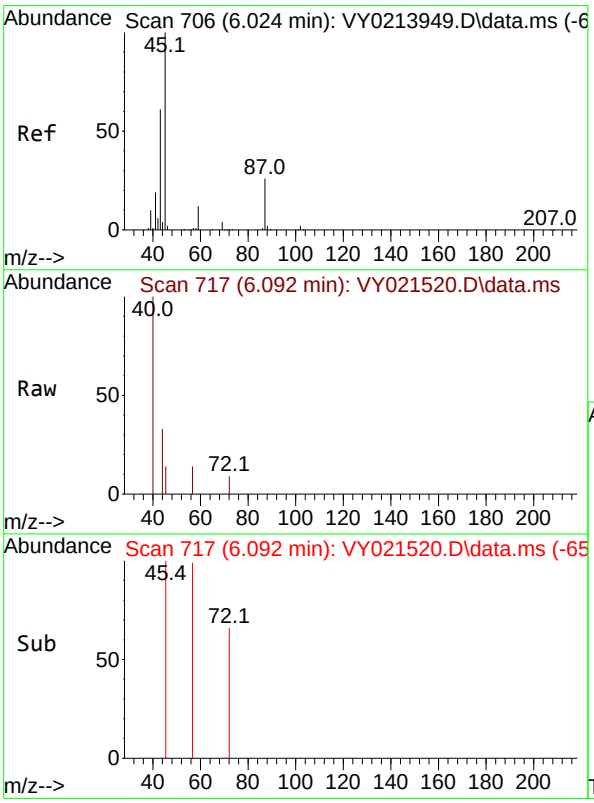
#19
Methyl tert-butyl Ether
Concen: 78.647 ug/l
RT: 5.153 min Scan# 5
Delta R.T. 0.031 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Instrument :
MSVOA_Y
ClientSampleId :
BU-02-031125

Tgt Ion: 73 Resp: 43

Ion	Ratio	Lower	Upper
73	100		
57	0.0	17.9	26.9#

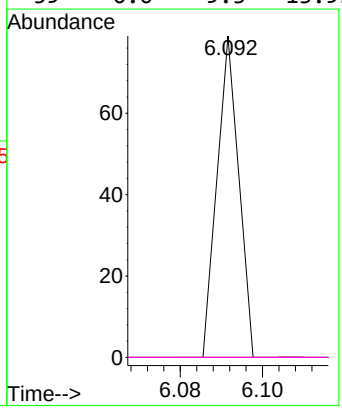


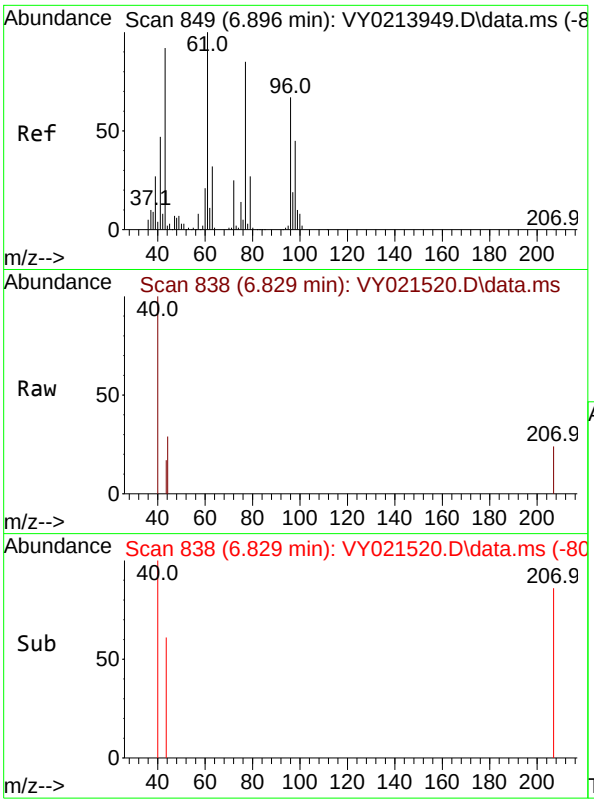


#22
Diisopropyl ether
Concen: 38.601 ug/l
RT: 6.092 min Scan# 717
Delta R.T. 0.067 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Tgt Ion: 45 Resp: 29

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#



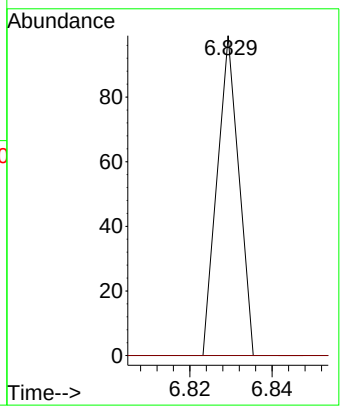


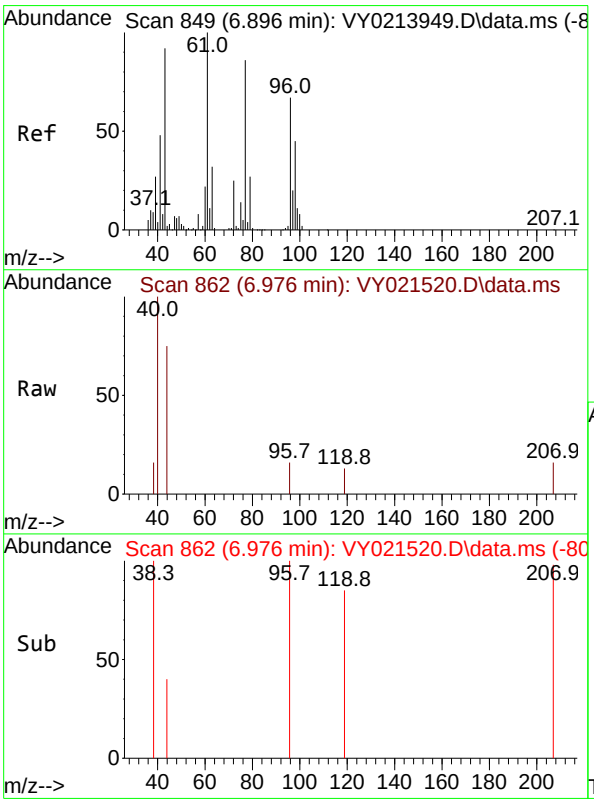
#25
2-Butanone
Concen: 537.579 ug/l
RT: 6.829 min Scan# 8
Delta R.T. -0.067 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Instrument :
MSVOA_Y
ClientSampleId :
BU-02-031125

Tgt Ion: 43 Resp: 36

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.4	32.0#

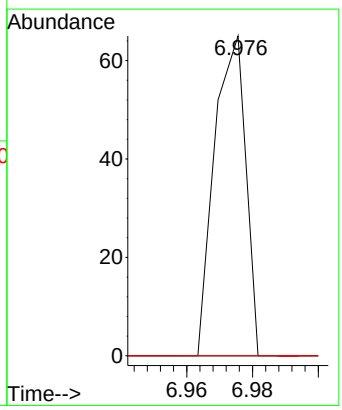


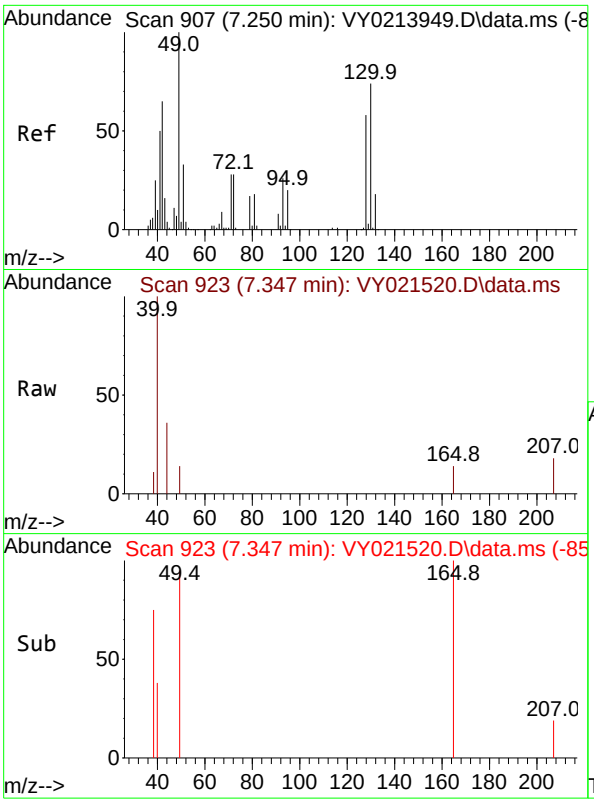


#27
cis-1,2-Dichloroethene
Concen: 156.679 ug/l
RT: 6.976 min Scan# 862
Delta R.T. 0.080 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Tgt Ion: 96 Resp: 43

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



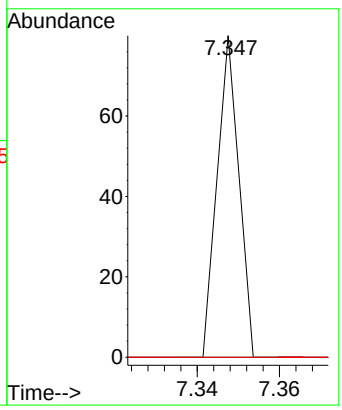


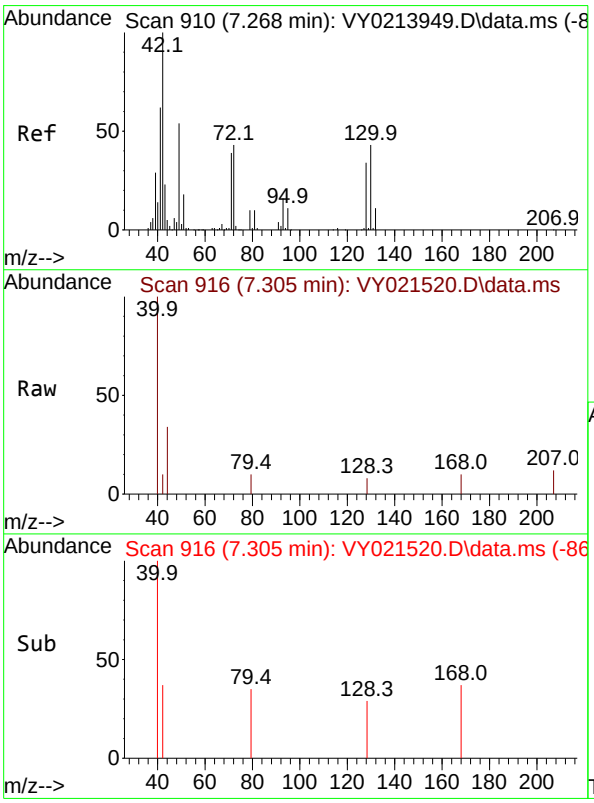
#28
Bromochloromethane
Concen: 156.004 ug/l
RT: 7.347 min Scan# 9
Delta R.T. 0.098 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Instrument :
MSVOA_Y
ClientSampleId :
BU-02-031125

Tgt Ion: 49 Resp: 29

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

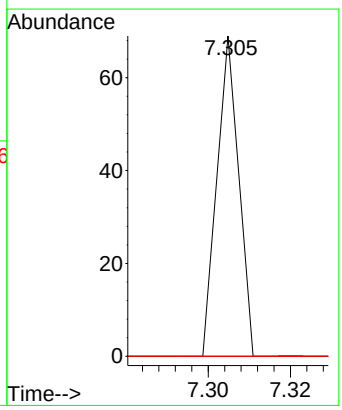


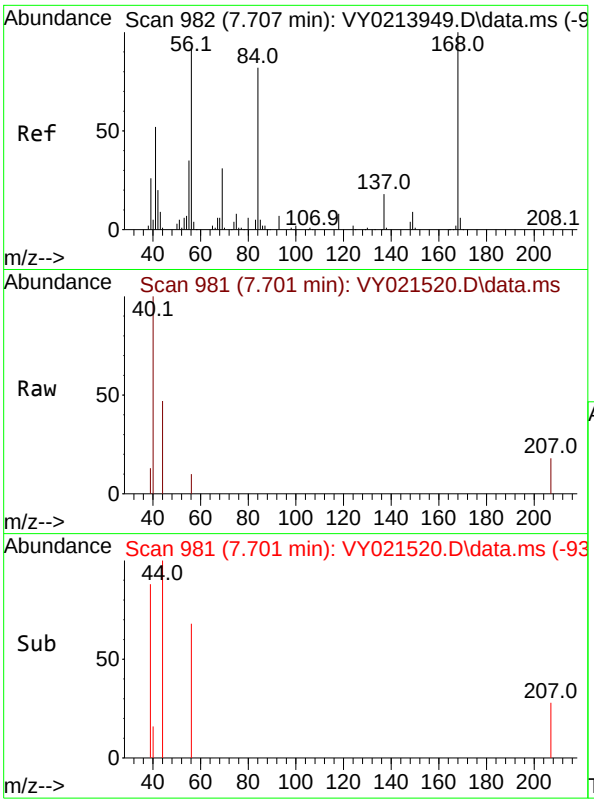


#29
Tetrahydrofuran
Concen: 604.712 ug/l
RT: 7.305 min Scan# 916
Delta R.T. 0.037 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Tgt Ion: 42 Resp: 25

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



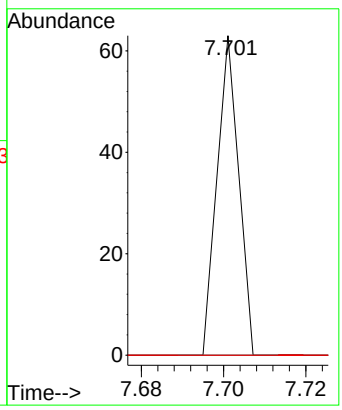


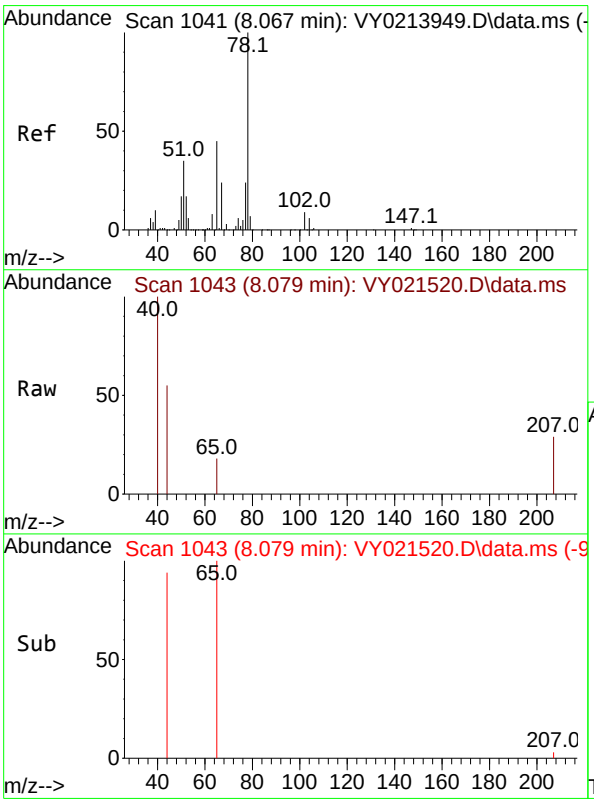
#31
Cyclohexane
Concen: 55.329 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Instrument :
MSVOA_Y
ClientSampleId :
BU-02-031125

Tgt Ion: 56 Resp: 23

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

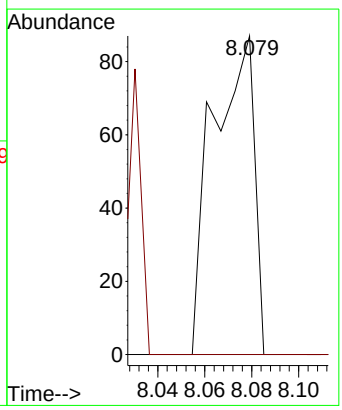


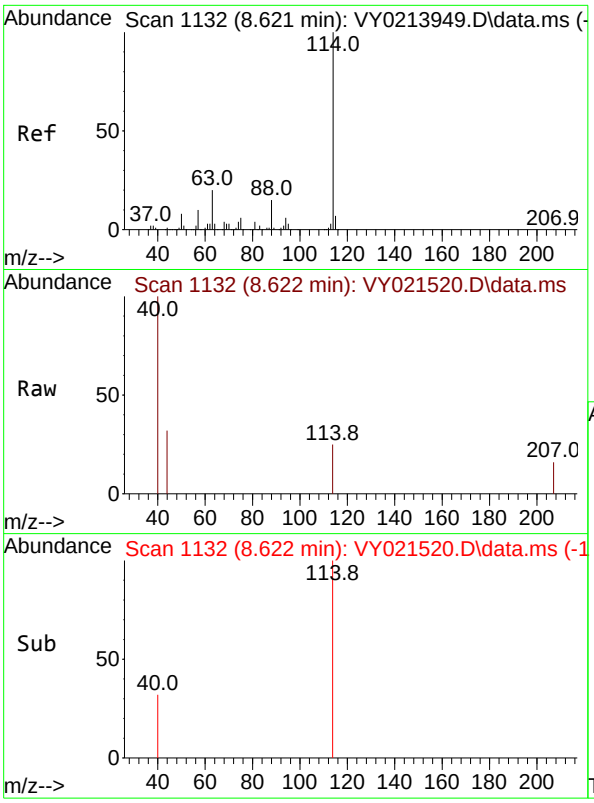


#33
1,2-Dichloroethane-d4
Concen: 477.569 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.012 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Tgt Ion: 65 Resp: 106

Ion	Ratio	Lower	Upper
65	100		
67	0.0	0.0	102.8



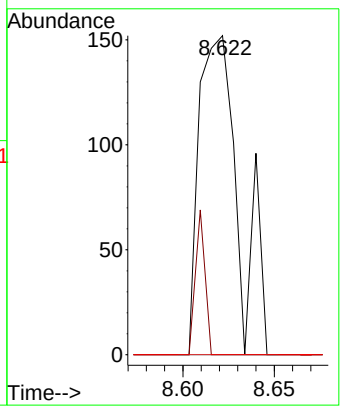


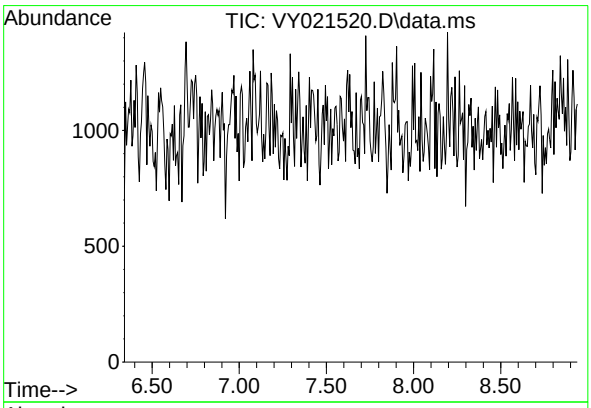
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Instrument :
MSVOA_Y
ClientSampleId :
BU-02-031125

Tgt Ion:114 Resp: 229

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



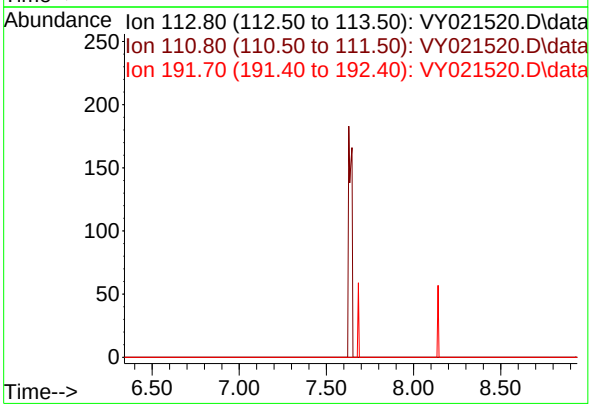


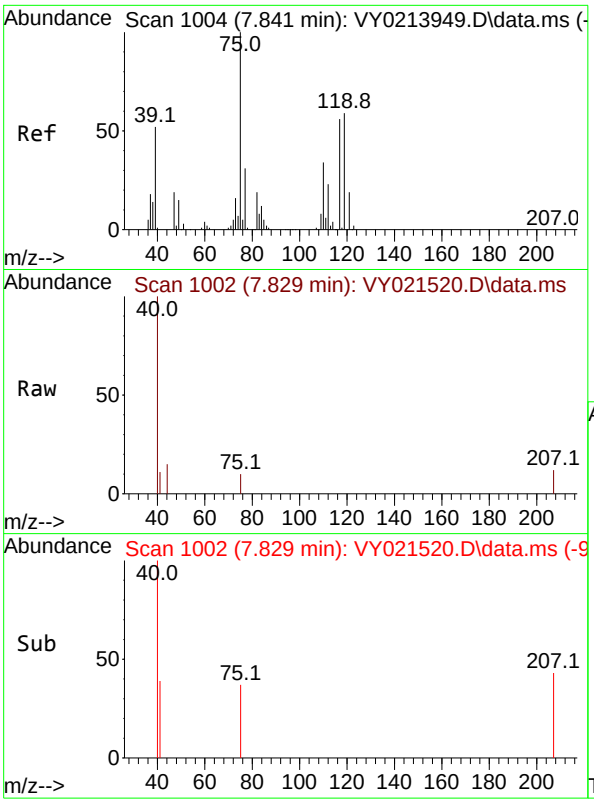
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 7.64 min

Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	102.5
192	19.9



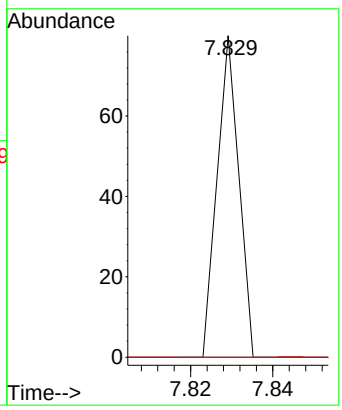


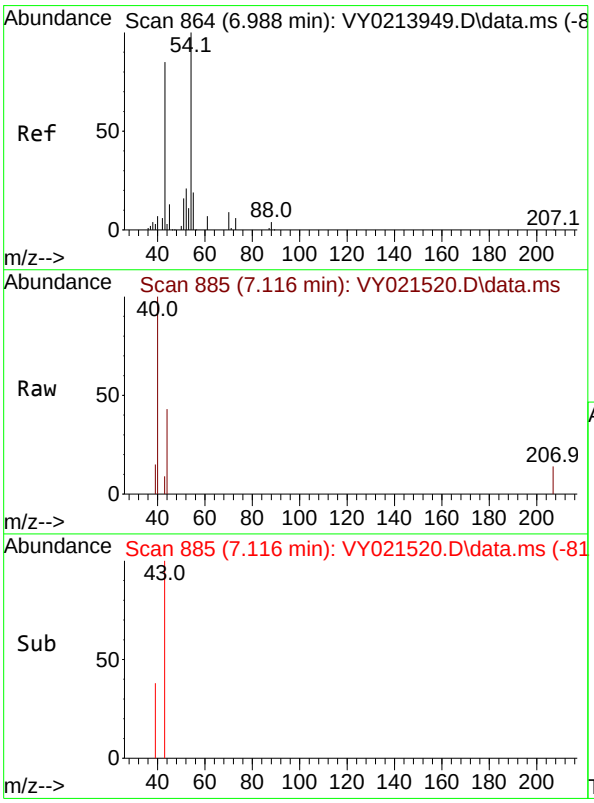
#36
1,1-Dichloropropene
Concen: 12.308 ug/l
RT: 7.829 min Scan# 1(
Delta R.T. -0.012 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Instrument :
MSVOA_Y
ClientSampleId :
BU-02-031125

Tgt Ion: 75 Resp: 29

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

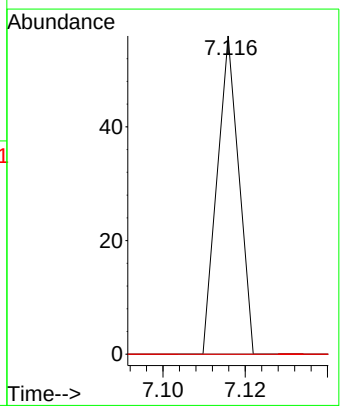


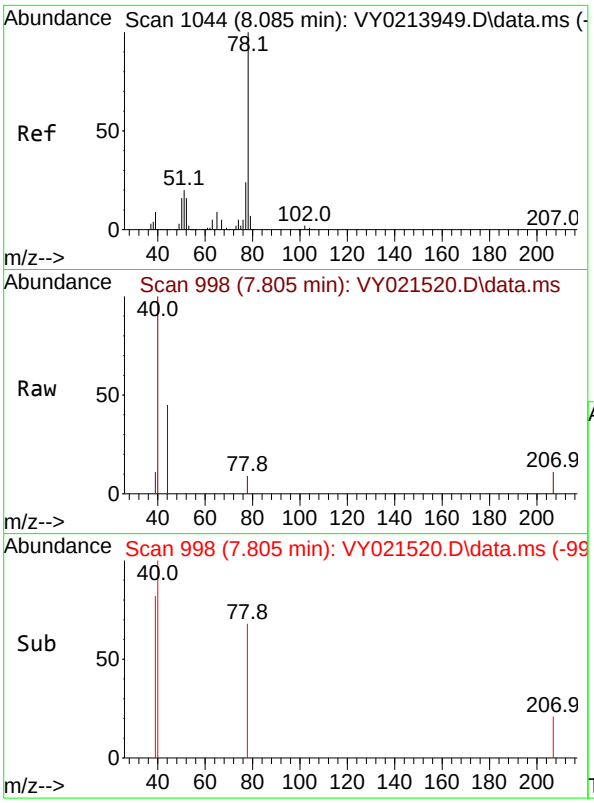


#37
Ethyl Acetate
Concen: 19.205 ug/l
RT: 7.116 min Scan# 885
Delta R.T. 0.128 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Tgt Ion: 43 Resp: 20

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



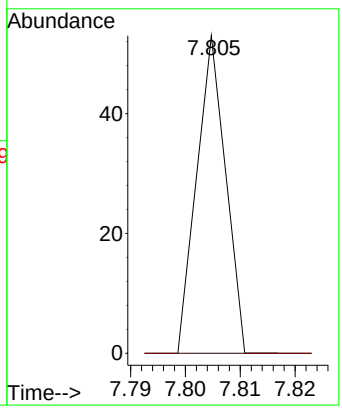


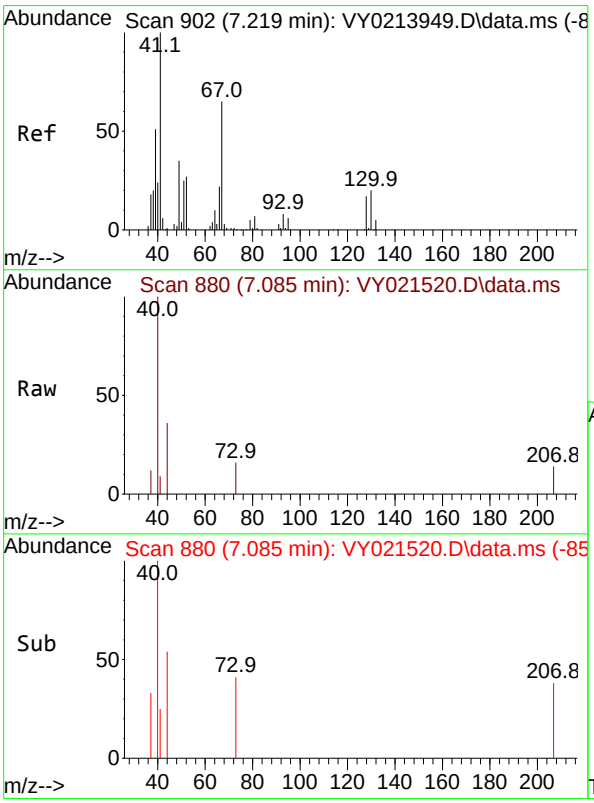
#40
Benzene
Concen: 2.737 ug/l
RT: 7.805 min Scan# 9
Delta R.T. -0.280 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Instrument :
MSVOA_Y
ClientSampleId :
BU-02-031125

Tgt Ion: 78 Resp: 19

Ion	Ratio	Lower	Upper
78	100		
77	0.0	19.0	28.4#

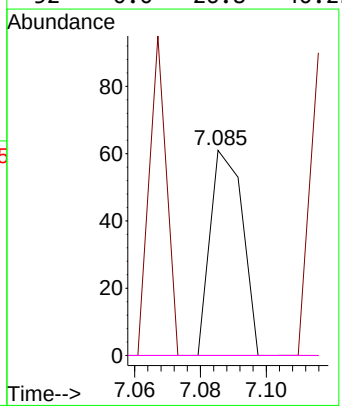


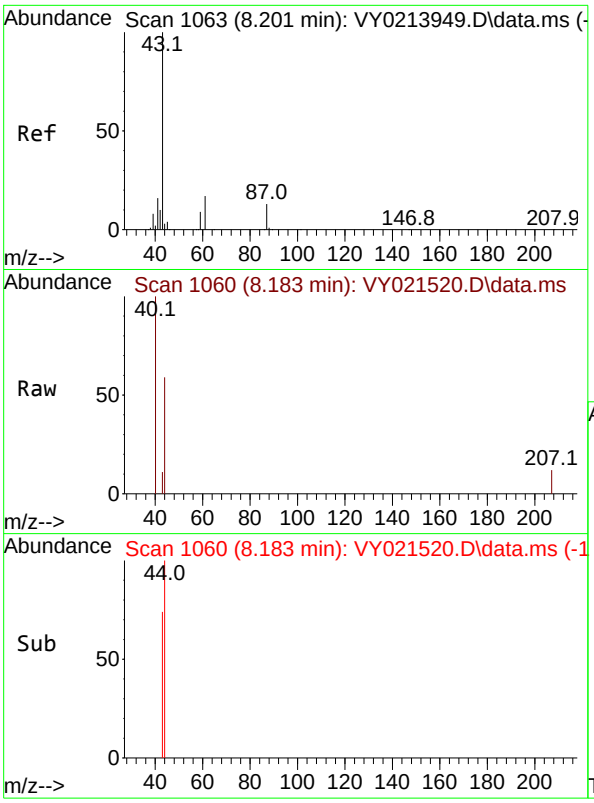


#41
Methacrylonitrile
Concen: 74.068 ug/l
RT: 7.085 min Scan# 880
Delta R.T. -0.134 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Tgt Ion: 41 Resp: 42

Ion	Ratio	Lower	Upper
41	100		
39	83.3	35.0	52.6#
67	0.0	61.2	91.8#
52	0.0	26.8	40.2#



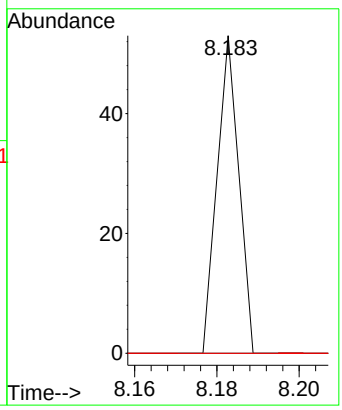


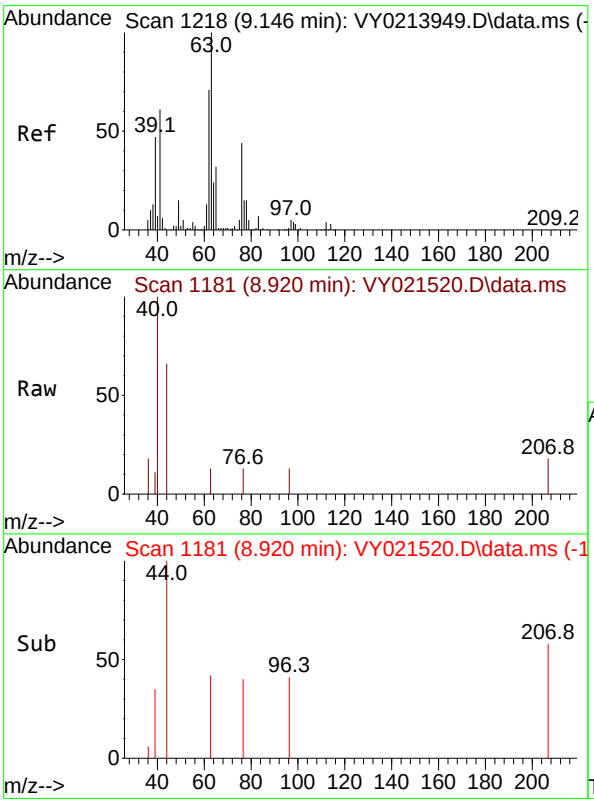
#43
Isopropyl Acetate
Concen: 9.398 ug/l
RT: 8.183 min Scan# 1
Delta R.T. -0.018 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Instrument :
MSVOA_Y
ClientSampleId :
BU-02-031125

Tgt Ion: 43 Resp: 19

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

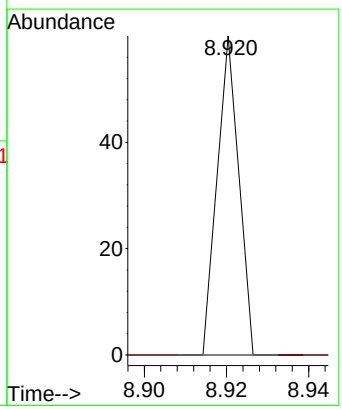


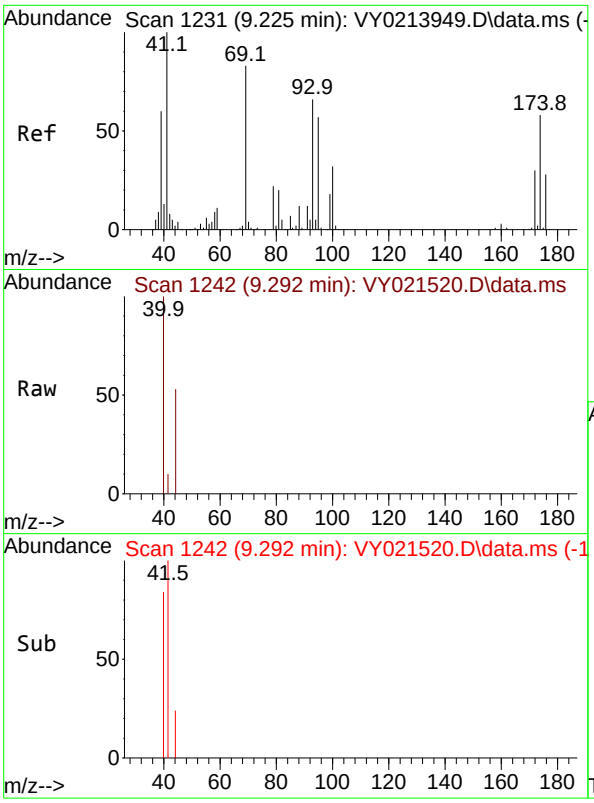


#45
1,2-Dichloropropane
Concen: 13.318 ug/l
RT: 8.920 min Scan# 1181
Delta R.T. -0.225 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Tgt Ion: 63 Resp: 22

Ion	Ratio	Lower	Upper
63	100		
65	0.0	26.0	39.0#



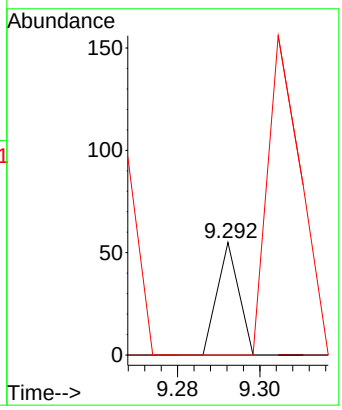


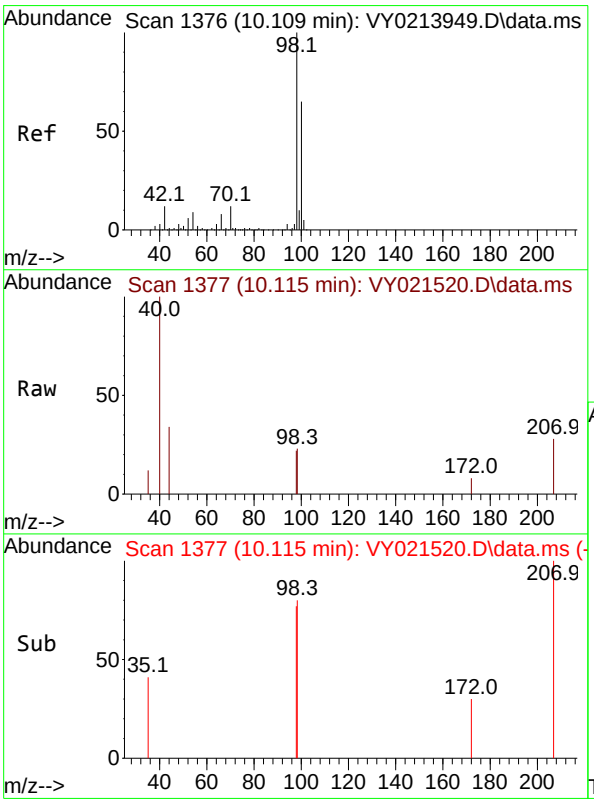
#48
Methyl methacrylate
Concen: 21.544 ug/l
RT: 9.292 min Scan# 1
Delta R.T. 0.067 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Instrument :
MSVOA_Y
ClientSampleId :
BU-02-031125

Tgt Ion: 41 Resp: 20

Ion	Ratio	Lower	Upper
41	100		
69	0.0	67.8	101.8#
39	435.0	46.4	69.6#

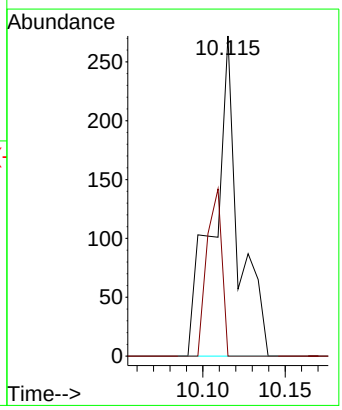


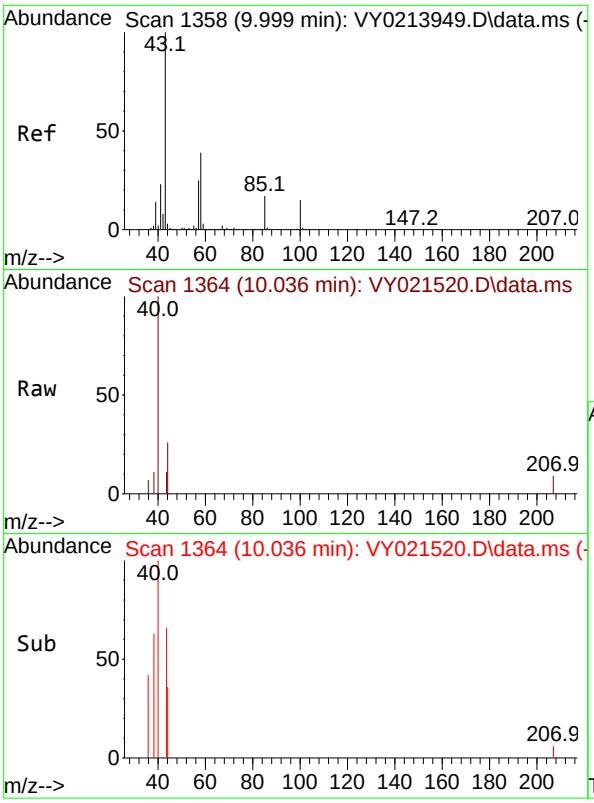


#50
Toluene-d8
Concen: 50.532 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Tgt Ion: 98 Resp: 288

Ion	Ratio	Lower	Upper
98	100		
100	31.3	52.1	78.1#



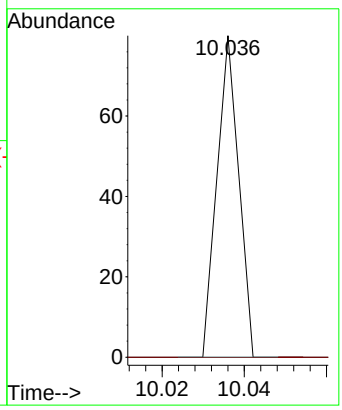


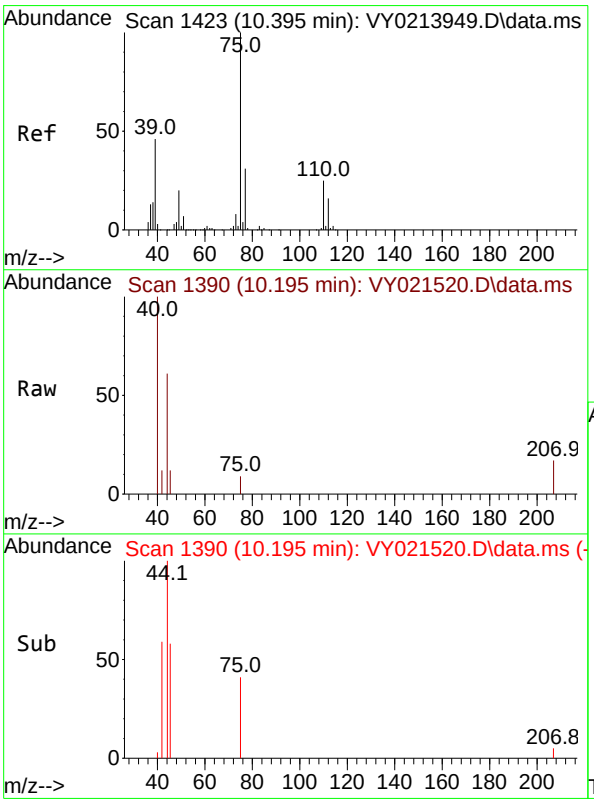
#51
4-Methyl-2-Pentanone
Concen: 27.802 ug/l
RT: 10.036 min Scan# 1
Delta R.T. 0.037 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Instrument :
MSVOA_Y
ClientSampleId :
BU-02-031125

Tgt Ion: 43 Resp: 29

Ion	Ratio	Lower	Upper
43	100		
58	0.0	31.4	47.2#

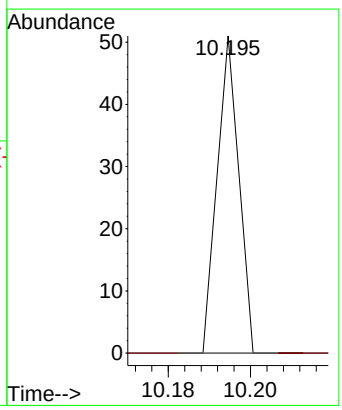


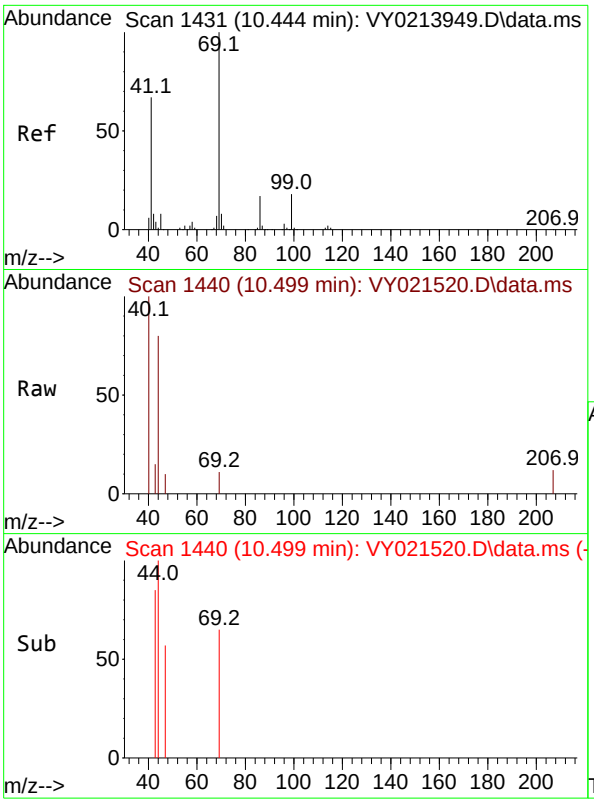


#53
t-1,3-Dichloropropene
Concen: 8.835 ug/l
RT: 10.195 min Scan# 1390
Delta R.T. -0.201 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Tgt Ion: 75 Resp: 19

Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.0	37.6#



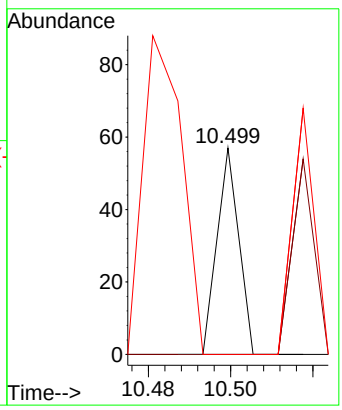


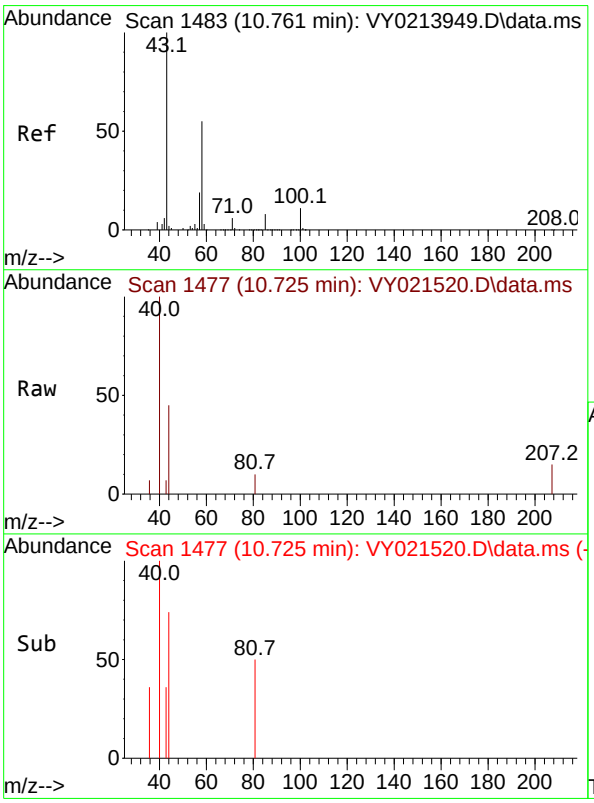
#56
Ethyl methacrylate
Concen: 13.695 ug/l
RT: 10.499 min Scan# 14
Delta R.T. 0.055 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Instrument :
MSVOA_Y
ClientSampleId :
BU-02-031125

Tgt Ion: 69 Resp: 21

Ion	Ratio	Lower	Upper
69	100		
41	95.2	53.3	79.9#
39	119.0	31.0	46.6#

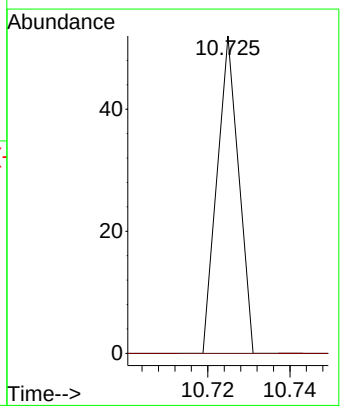


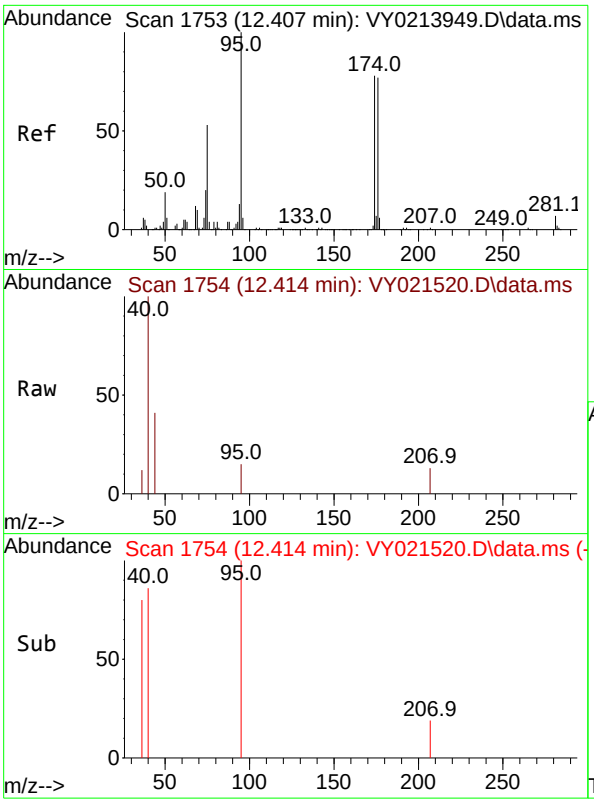


#59
2-Hexanone
Concen: 27.547 ug/l
RT: 10.725 min Scan# 1477
Delta R.T. -0.036 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Tgt Ion: 43 Resp: 19

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.3	81.8#



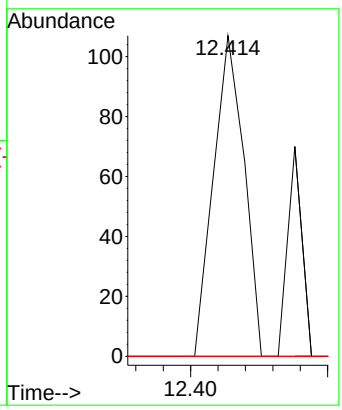


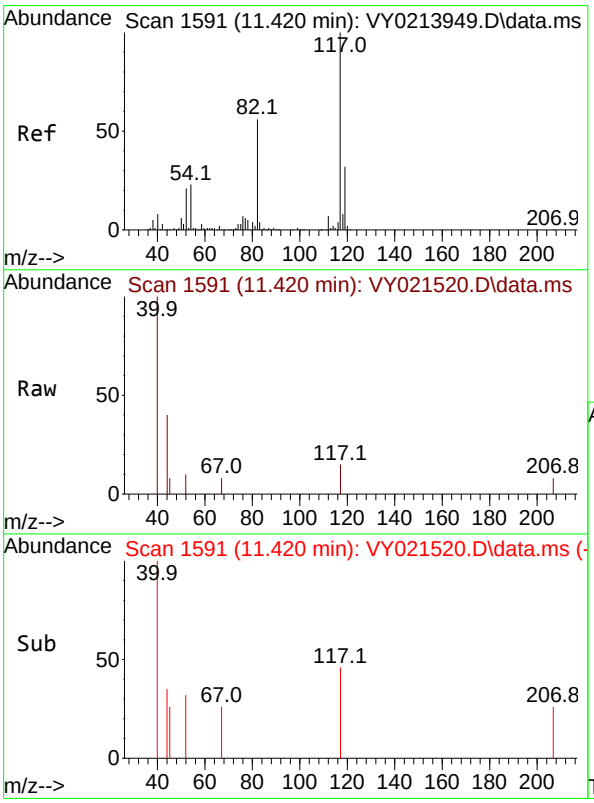
#62
4-Bromofluorobenzene
Concen: 42.812 ug/l
RT: 12.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Instrument :
MSVOA_Y
ClientSampleId :
BU-02-031125

Tgt Ion: 95 Resp: 83

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

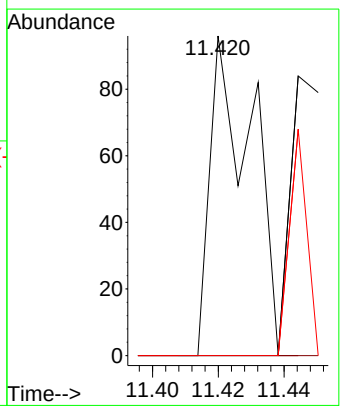


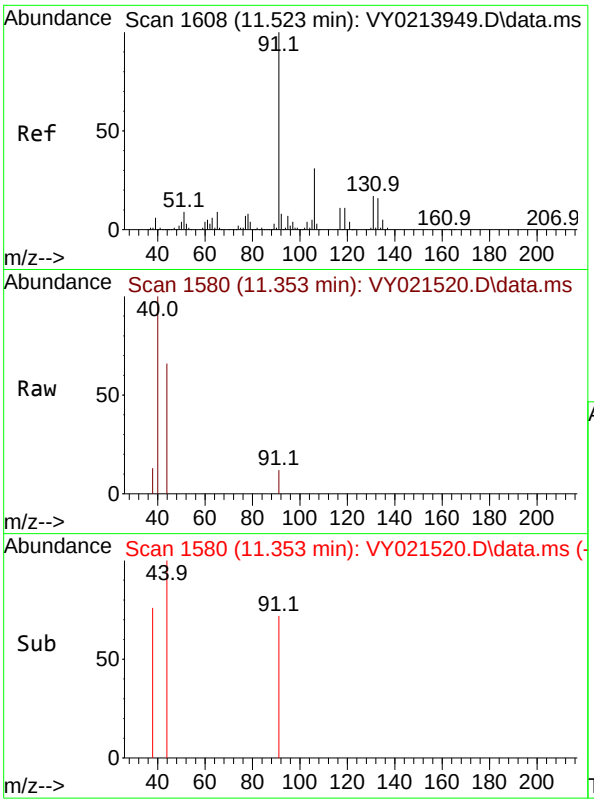


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Tgt Ion:117 Resp: 84

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



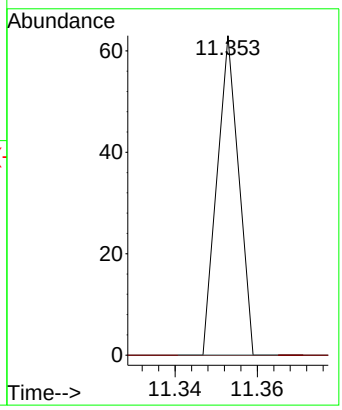


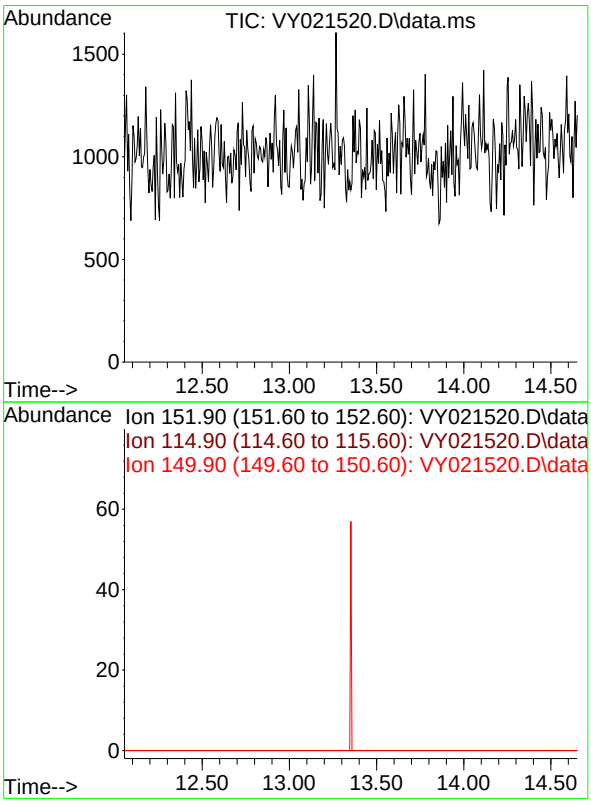
#67
Ethyl Benzene
Concen: 6.606 ug/l
RT: 11.353 min Scan# 1
Delta R.T. -0.170 min
Lab File: VY021520.D
Acq: 13 Mar 2025 13:11

Instrument :
MSVOA_Y
ClientSampleId :
BU-02-031125

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: VY021520.D
Acq: 13 Mar 2025 13:11

Tgt Ion: 152

Sig	Exp Ratio
152	100
115	58.0
150	173.6