Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092324\
Data File : VY019668.D
Acq On : 23 Sep 2024 15:38
Operator : SY/MD
Sample : P4142-01
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Sep 24 01:46:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.701	168	7639	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	13204	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	8799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	1503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	4243	59.984	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.960%			
35) Dibromofluoromethane	7.634	113	3496	46.698	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.400%			
50) Toluene-d8	10.103	98	14274	51.548	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.100%			
62) 4-Bromofluorobenzene	12.401	95	2423	22.757	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 45.520%			
Target Compounds						Qvalue
3) Chloromethane	2.062	50	94	1.487	ug/l #	43
5) Bromomethane	2.617	94	196	4.669	ug/l	83
6) Chloroethane	2.757	64	54	1.209	ug/l #	42
10) Methyl Iodide	4.007	142	150	1.660	ug/l #	67
13) Acrolein	3.665	56	52	4.858	ug/l	86
15) Acrylonitrile	5.006	53	20	1.213	ug/l #	18
16) Acetone	3.866	43	246	14.598	ug/l #	36
18) Methyl Acetate	4.385	43	63	1.378	ug/l #	46
20) Methylene Chloride	4.616	84	300	3.904	ug/l #	86
25) 2-Butanone	6.890	43	73	3.046	ug/l #	41
29) Tetrahydrofuran	7.317	42	47	3.225	ug/l #	26
31) Cyclohexane	7.713	56	253	1.999	ug/l #	62
36) 1,1-Dichloropropene	7.701	75	665	6.528	ug/l #	49
37) Ethyl Acetate	6.957	43	96	1.839	ug/l #	67
38) Carbon Tetrachloride	7.695	117	916	7.974	ug/l #	23
41) Methacrylonitrile	7.226	41	191	6.278	ug/l #	38
43) Isopropyl Acetate	8.189	43	125	1.140	ug/l #	47
46) Dibromomethane	9.487	93	51	1.216	ug/l #	3
48) Methyl methacrylate	9.189	41	211	4.075	ug/l #	22
51) 4-Methyl-2-Pentanone	10.109	43	425	7.704	ug/l	99
59) 2-Hexanone	10.749	43	172	4.253	ug/l #	19
66) 1,1,1,2-Tetrachloroethane	11.432	131	66	1.101	ug/l #	8
68) m/p-Xylenes	11.621	106	283	2.434	ug/l #	67
71) Bromoform	12.359	173	49	1.432	ug/l #	27
74) N-amyl acetate	12.072	43	108	3.642	ug/l #	37
75) 1,1,2,2-Tetrachloroethane	12.511	83	100	5.167	ug/l #	1
76) 1,2,3-Trichloropropane	12.609	75	746	52.955	ug/l #	100
77) Bromobenzene	12.609	156	21823	902.410	ug/l #	1
78) n-propylbenzene	12.590	91	276	2.136	ug/l #	53
79) 2-Chlorotoluene	12.609	91	428	5.683	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.408	75	1035	141.040	ug/l #	16
82) 4-Chlorotoluene	12.798	91	466	6.018	ug/l	80
84) 1,2,4-Trimethylbenzene	13.060	105	212	2.416	ug/l #	30
85) sec-Butylbenzene	13.170	105	335	2.874	ug/l #	56
90) Hexachloroethane	13.840	117	82	4.132	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.267	75	65	20.152	ug/l #	12

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092324\
Data File : VY019668.D
Acq On : 23 Sep 2024 15:38
Operator : SY/MD
Sample : P4142-01
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Sep 24 01:46:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
95) Naphthalene	15.120	128	94	1.840	ug/l	#	1

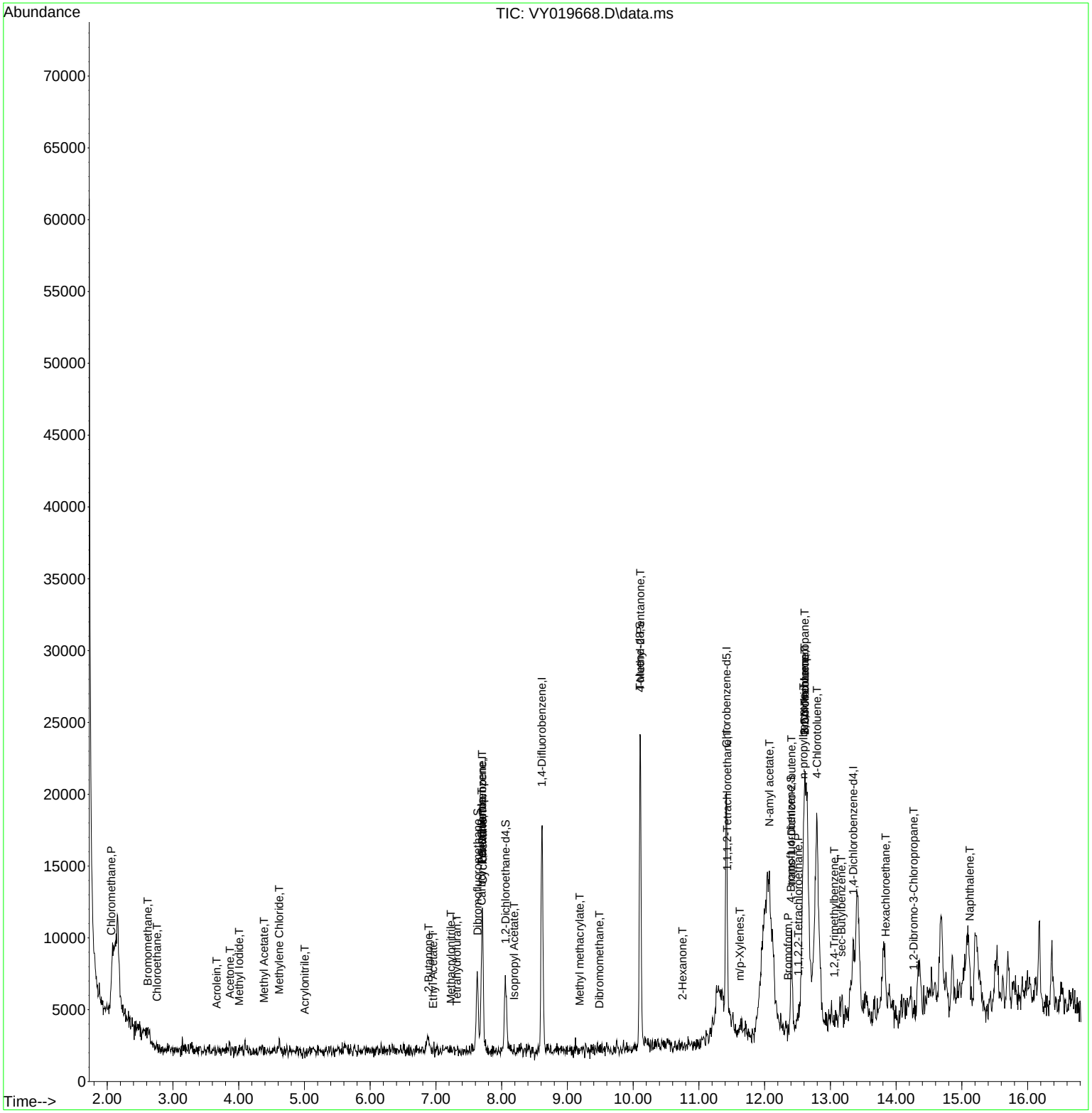
(#) = qualifier out of range (m) = manual integration (+) = signals summed

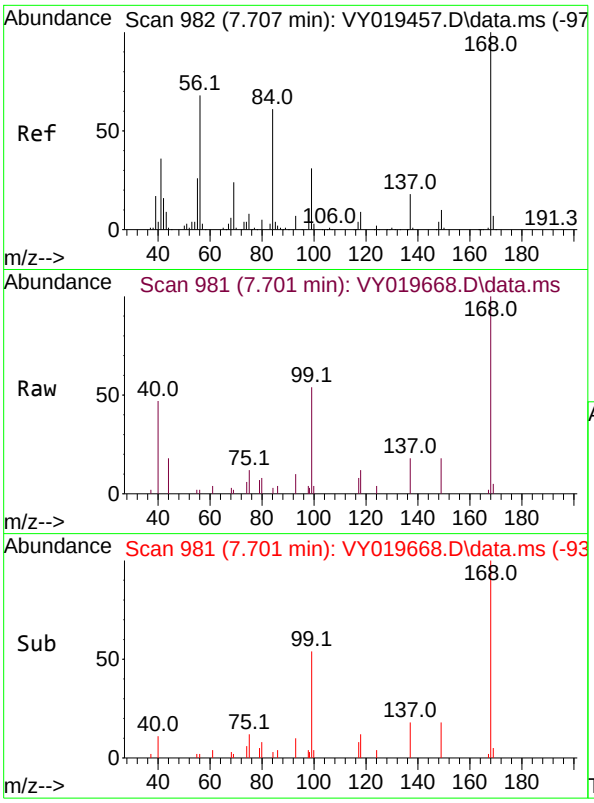
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092324\
Data File : VY019668.D
Acq On : 23 Sep 2024 15:38
Operator : SY/MD
Sample : P4142-01
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Sep 24 01:46:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration



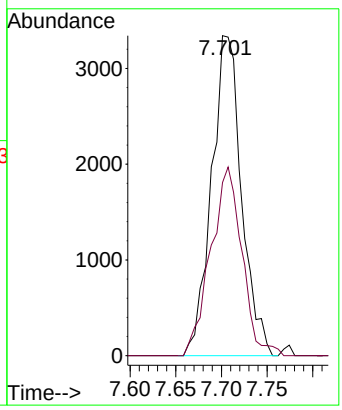


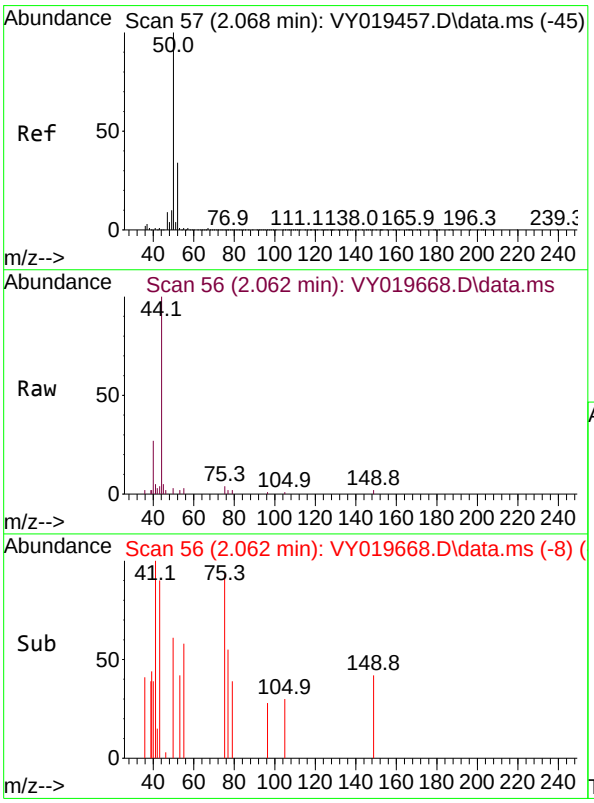
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 7639

Ion	Ratio	Lower	Upper
168	100		
99	54.1	39.1	58.7

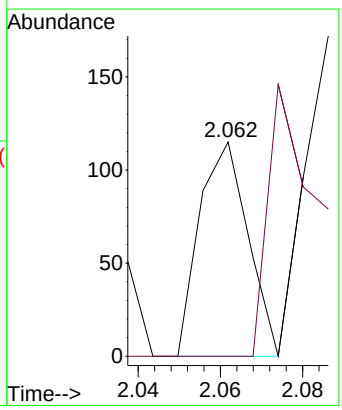


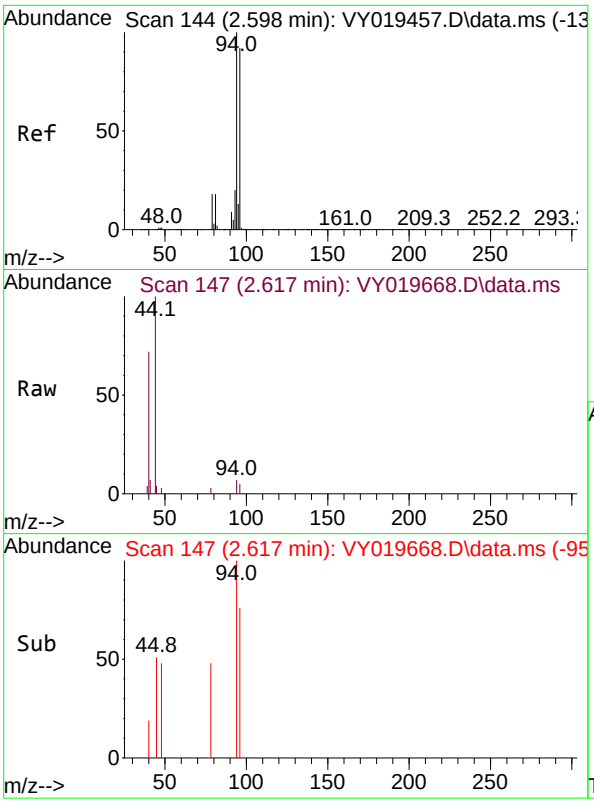


#3
Chloromethane
Concen: 1.487 ug/l
RT: 2.062 min Scan# 56
Delta R.T. -0.006 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Tgt Ion: 50 Resp: 94

Ion	Ratio	Lower	Upper
50	100		
52	0.0	25.6	38.4#



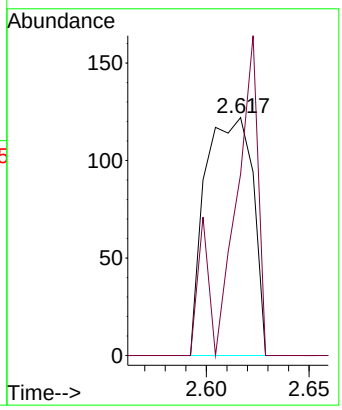


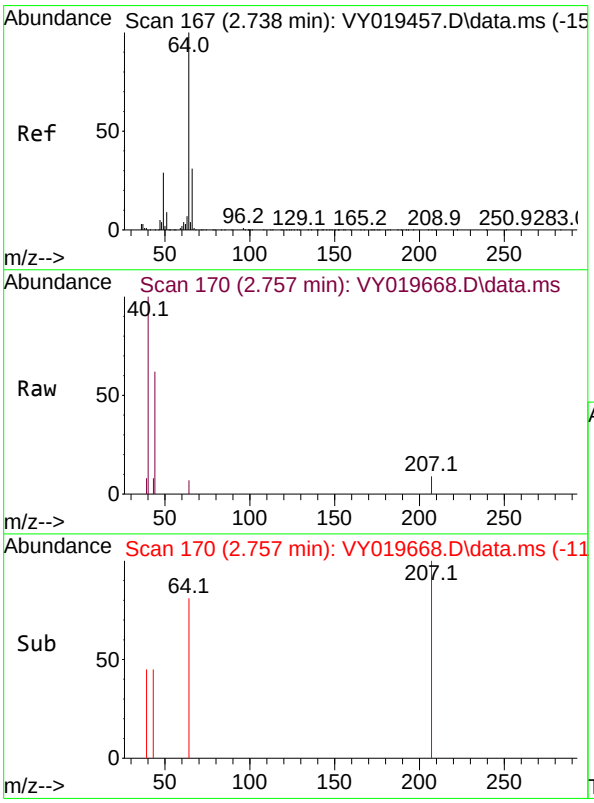
#5
Bromomethane
Concen: 4.669 ug/l
RT: 2.617 min Scan# 14
Delta R.T. 0.019 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 94 Resp: 196

Ion	Ratio	Lower	Upper
94	100		
96	76.2	74.1	111.1

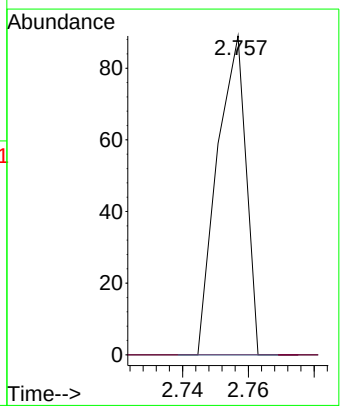


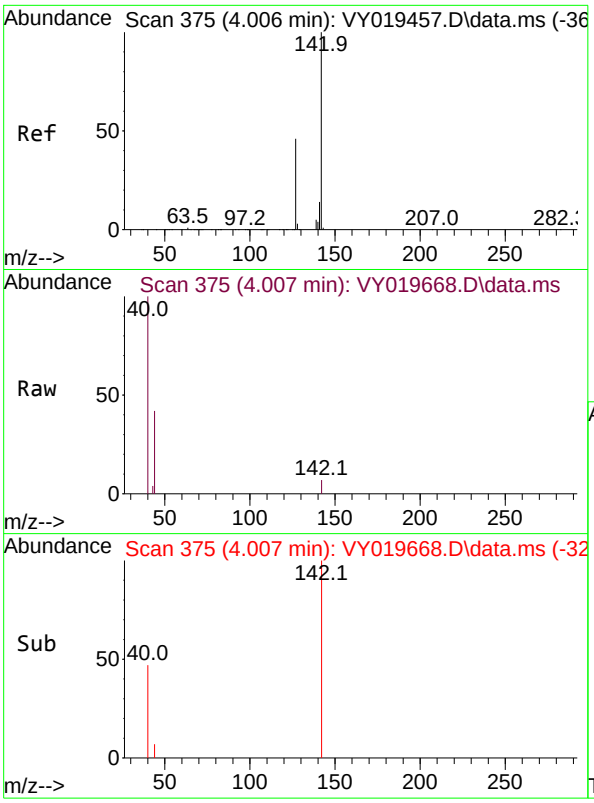


#6
Chloroethane
Concen: 1.209 ug/l
RT: 2.757 min Scan# 170
Delta R.T. 0.019 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Tgt Ion: 64 Resp: 54

Ion	Ratio	Lower	Upper
64	100		
66	0.0	26.1	39.1#



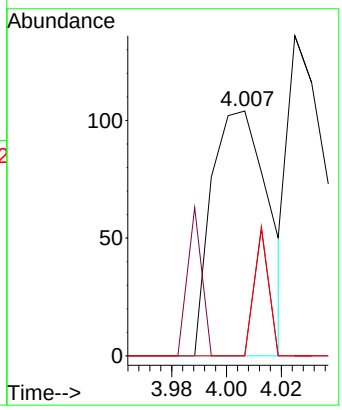


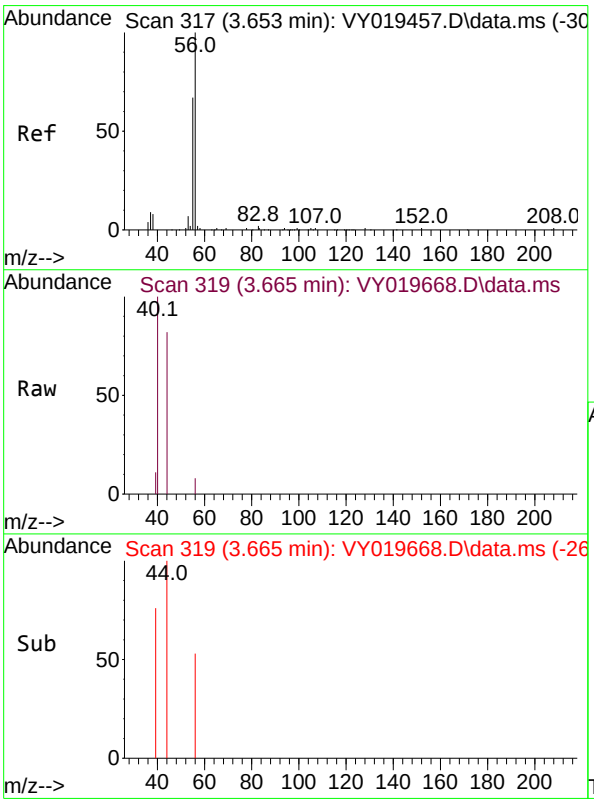
#10
Methyl Iodide
Concen: 1.660 ug/l
RT: 4.007 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:142 Resp: 150

Ion	Ratio	Lower	Upper
142	100		
127	13.3	32.8	49.2#
141	13.3	11.4	17.2

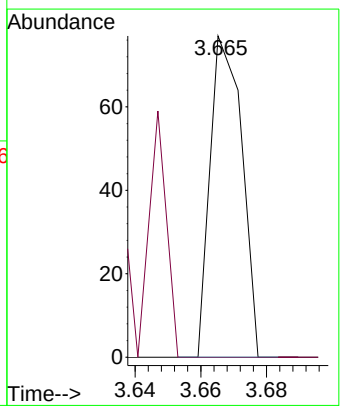


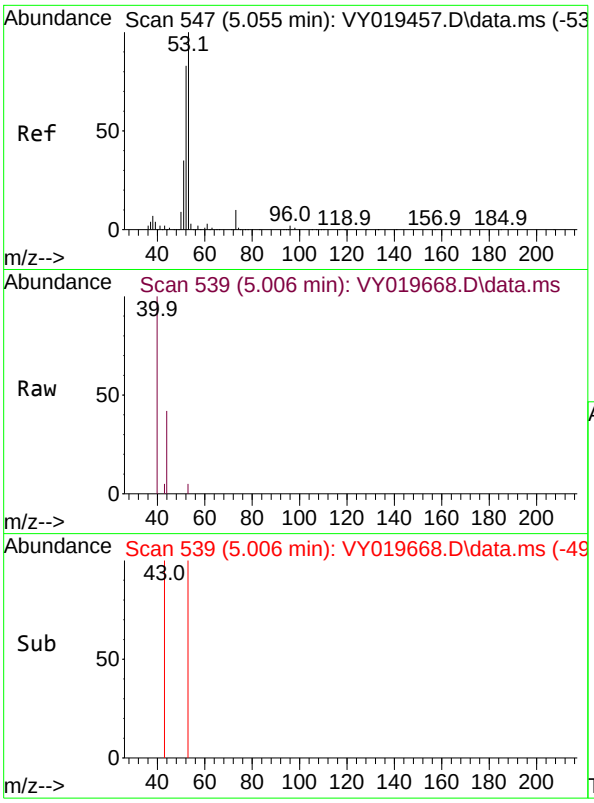


#13
Acrolein
Concen: 4.858 ug/l
RT: 3.665 min Scan# 319
Delta R.T. 0.012 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Tgt Ion: 56 Resp: 52

Ion	Ratio	Lower	Upper
56	100		
55	80.8	55.7	83.5



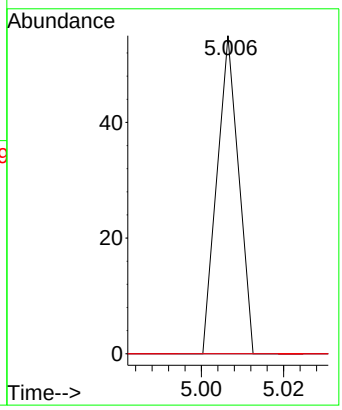


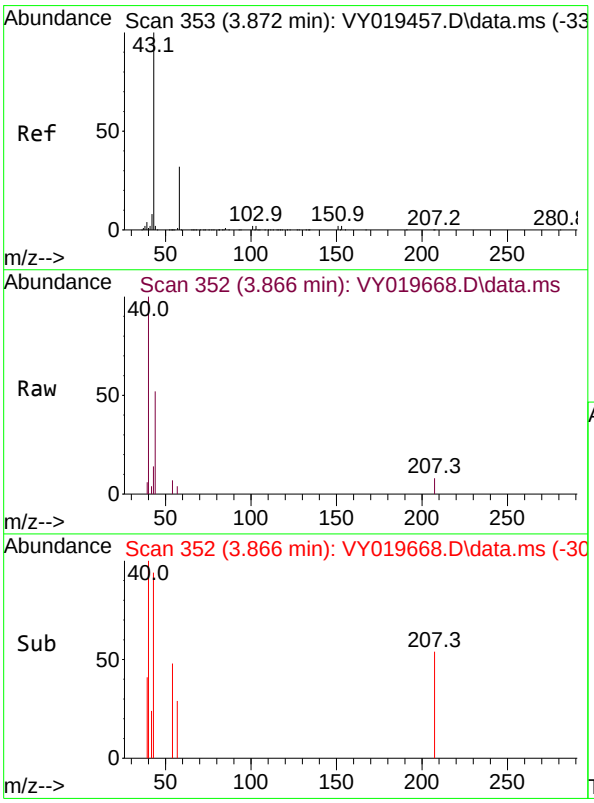
#15
Acrylonitrile
Concen: 1.213 ug/l
RT: 5.006 min Scan# 5
Delta R.T. -0.048 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 53 Resp: 20

Ion	Ratio	Lower	Upper
53	100		
52	0.0	64.7	97.1#
51	0.0	28.4	42.6#

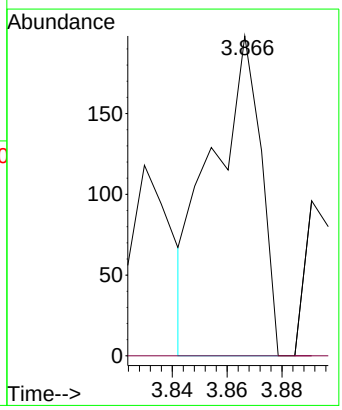


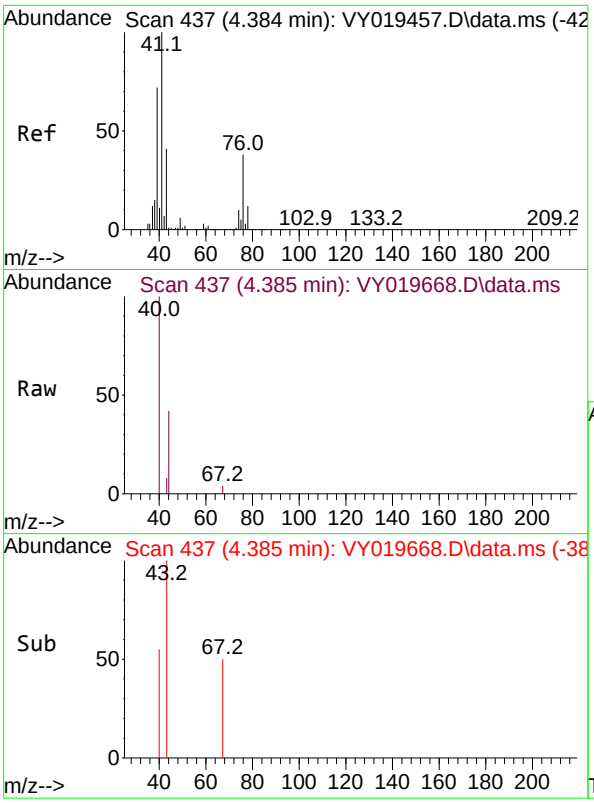


#16
Acetone
Concen: 14.598 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Tgt Ion: 43 Resp: 246

Ion	Ratio	Lower	Upper
43	100		
58	0.0	31.7	47.5#



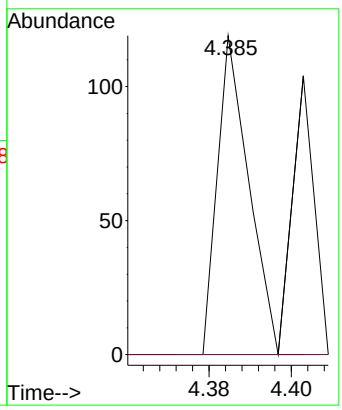


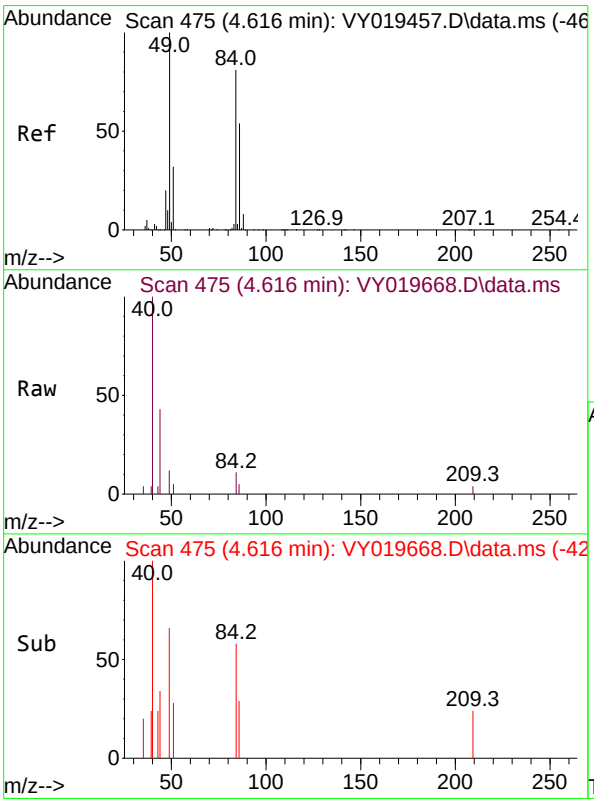
#18
Methyl Acetate
Concen: 1.378 ug/l
RT: 4.385 min Scan# 4
Delta R.T. 0.000 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 63

Ion	Ratio	Lower	Upper
43	100		
74	0.0	23.3	34.9#

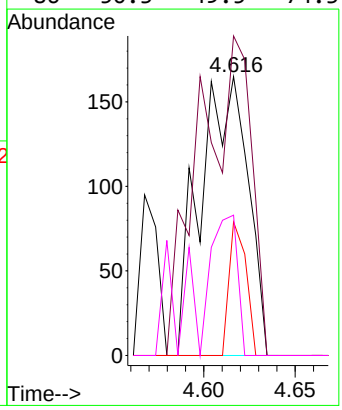


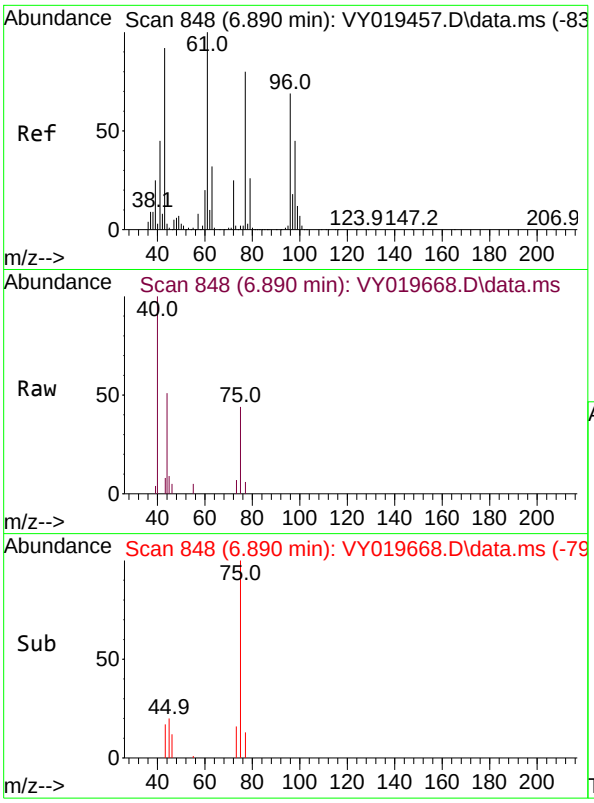


#20
Methylene Chloride
Concen: 3.904 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Tgt Ion: 84 Resp: 300

Ion	Ratio	Lower	Upper
84	100		
49	114.5	84.4	126.6
51	47.9	26.0	39.0#
86	50.3	49.5	74.3



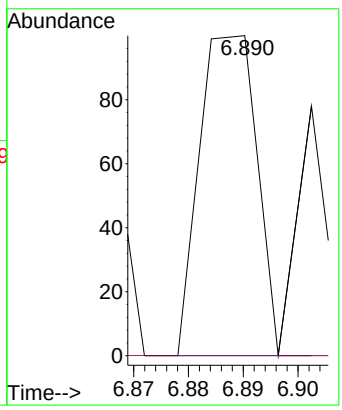


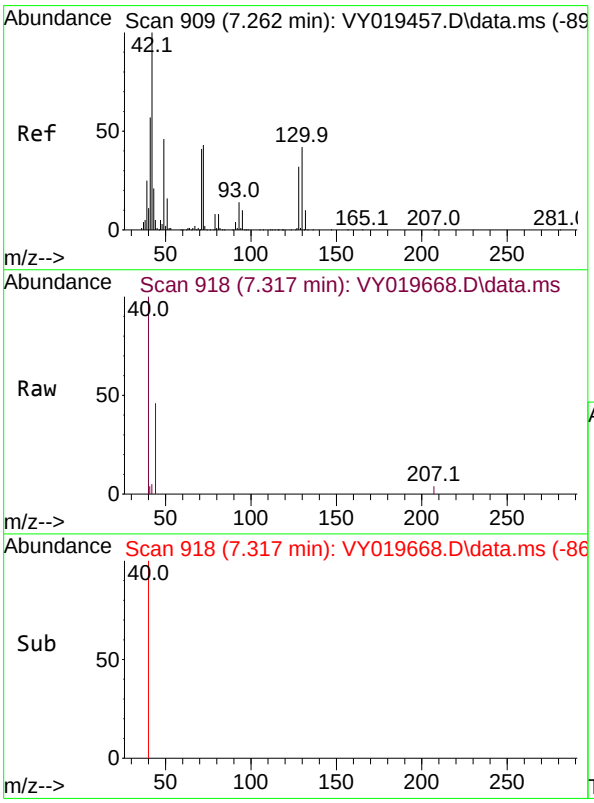
#25
2-Butanone
Concen: 3.046 ug/l
RT: 6.890 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 73

Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9#

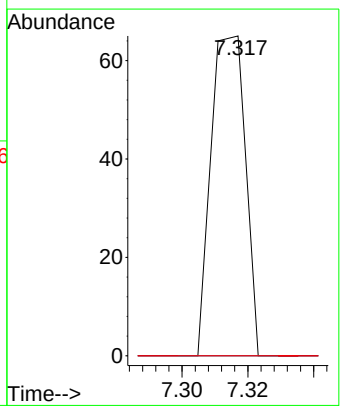


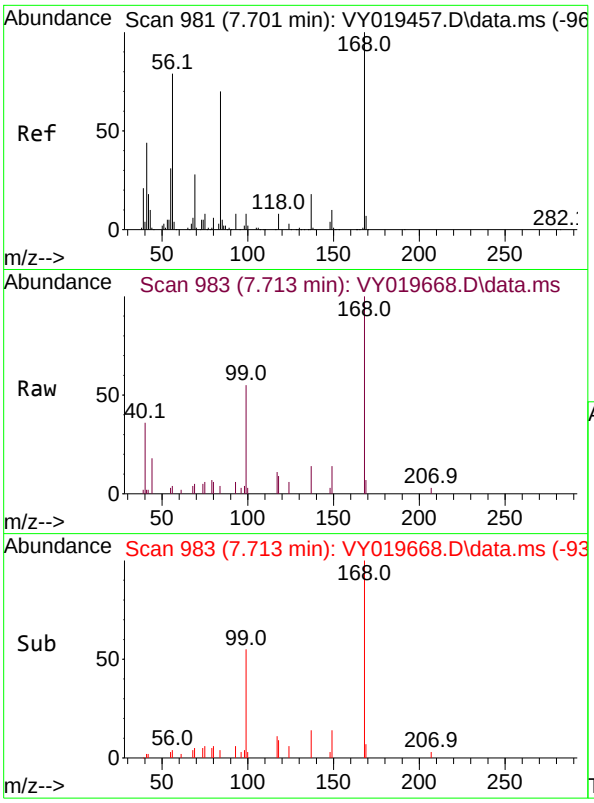


#29
Tetrahydrofuran
Concen: 3.225 ug/l
RT: 7.317 min Scan# 918
Delta R.T. 0.055 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Tgt Ion: 42 Resp: 47

Ion	Ratio	Lower	Upper
42	100		
72	0.0	43.0	64.4#
71	0.0	40.8	61.2#



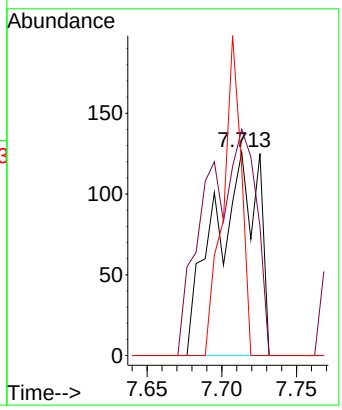


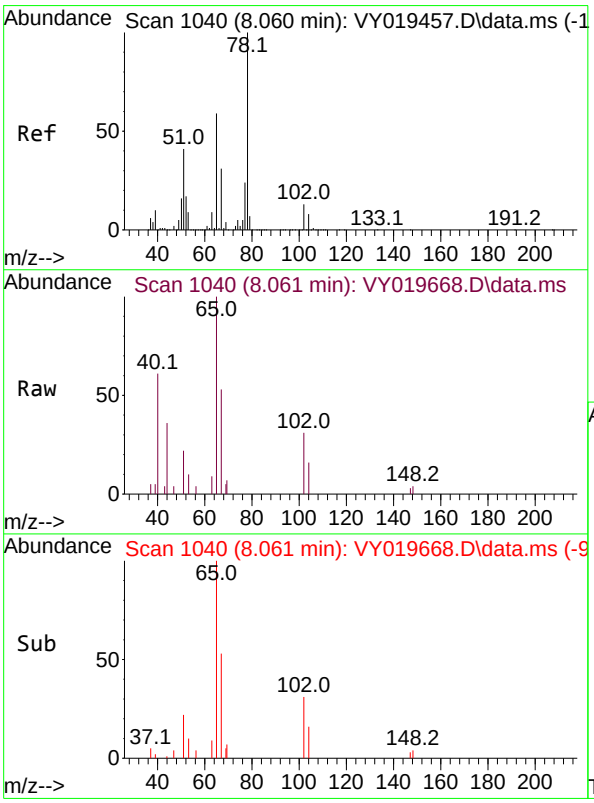
#31
Cyclohexane
Concen: 1.999 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 56 Resp: 253

Ion	Ratio	Lower	Upper
56	100		
69	111.1	28.7	43.1#
84	92.1	77.7	116.5

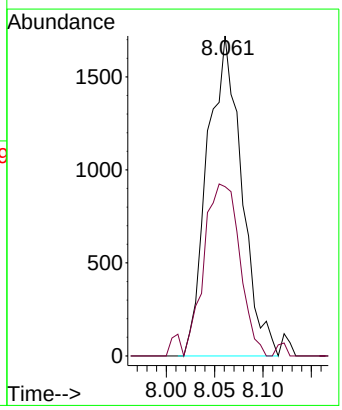


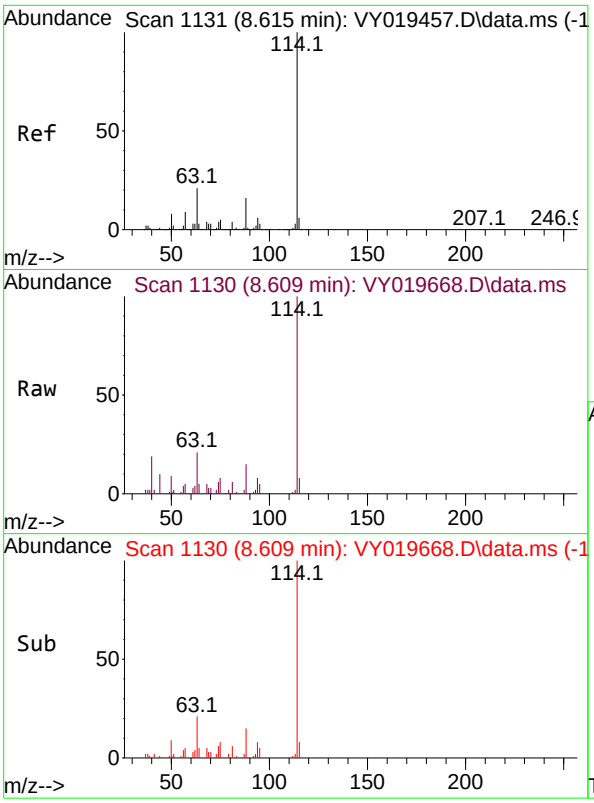


#33
1,2-Dichloroethane-d4
Concen: 59.984 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Tgt Ion: 65 Resp: 4243

Ion	Ratio	Lower	Upper
65	100		
67	57.7	0.0	109.6



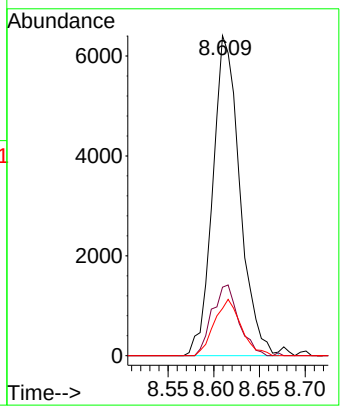


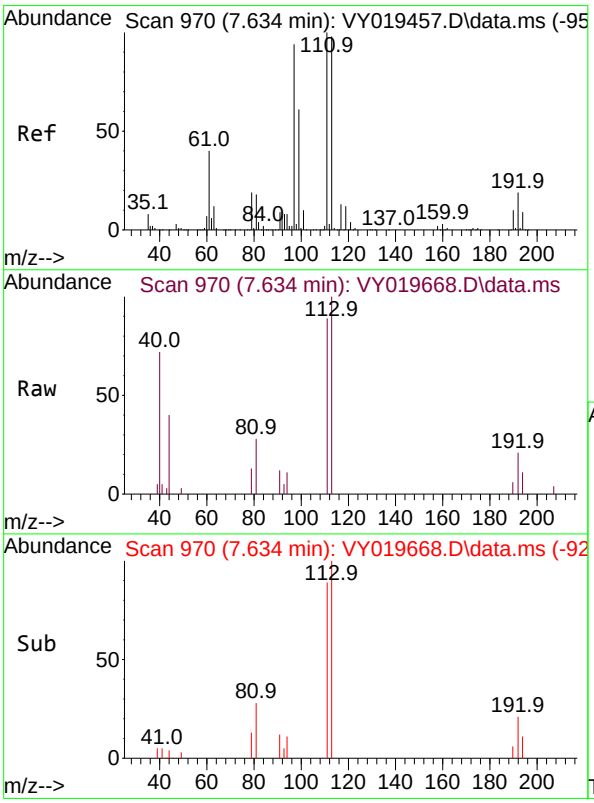
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:114 Resp: 13204

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	35.0
88	14.8	0.0	27.2

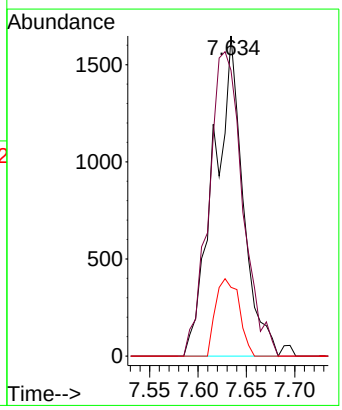


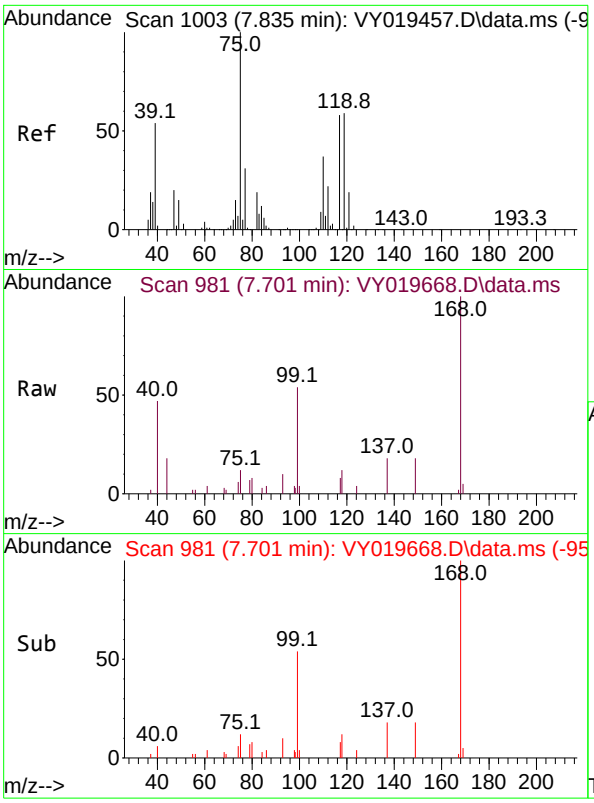


#35
Dibromofluoromethane
Concen: 46.698 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Tgt Ion:113 Resp: 3496

Ion	Ratio	Lower	Upper
113	100		
111	109.2	82.2	123.4
192	19.3	15.9	23.9



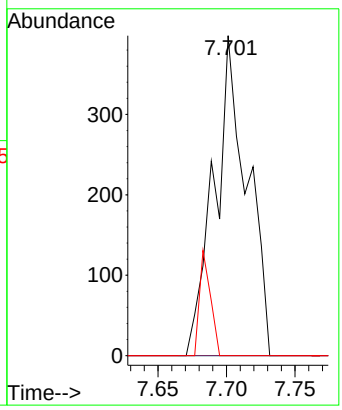


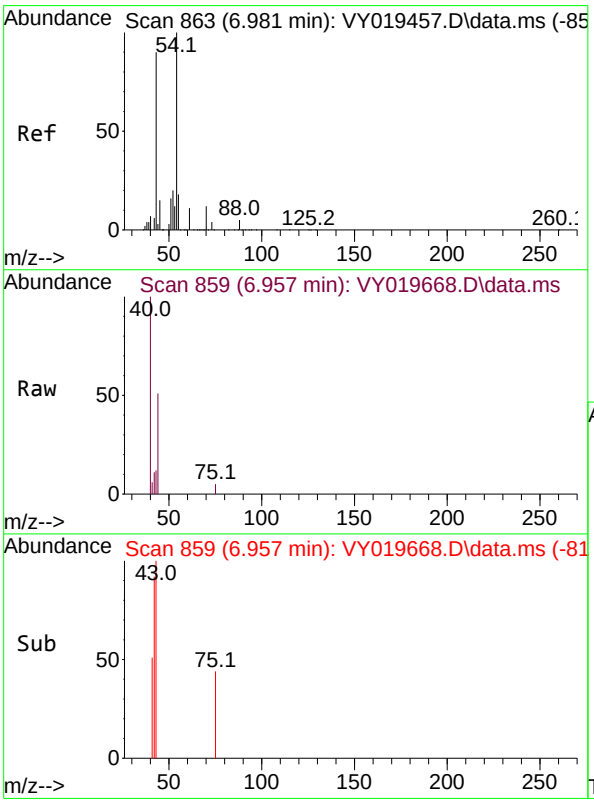
#36
1,1-Dichloropropene
Concen: 6.528 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.134 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 665

Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.0	57.0#
77	11.0	25.3	37.9#

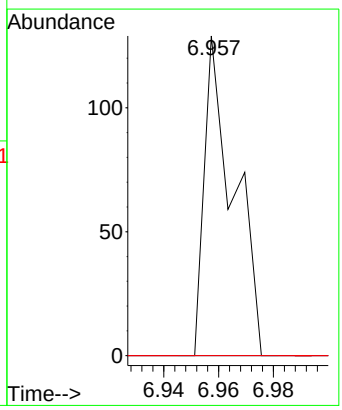


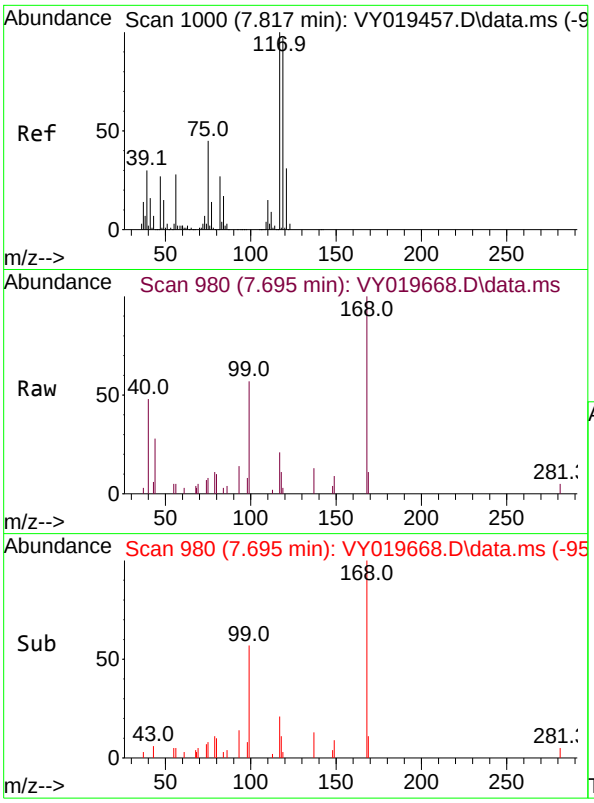


#37
Ethyl Acetate
Concen: 1.839 ug/l
RT: 6.957 min Scan# 859
Delta R.T. -0.024 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Tgt Ion: 43 Resp: 96

Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.6	19.0#
70	0.0	7.8	11.8#



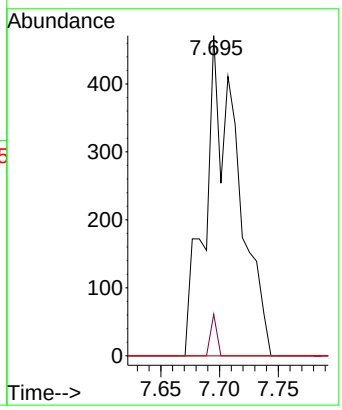


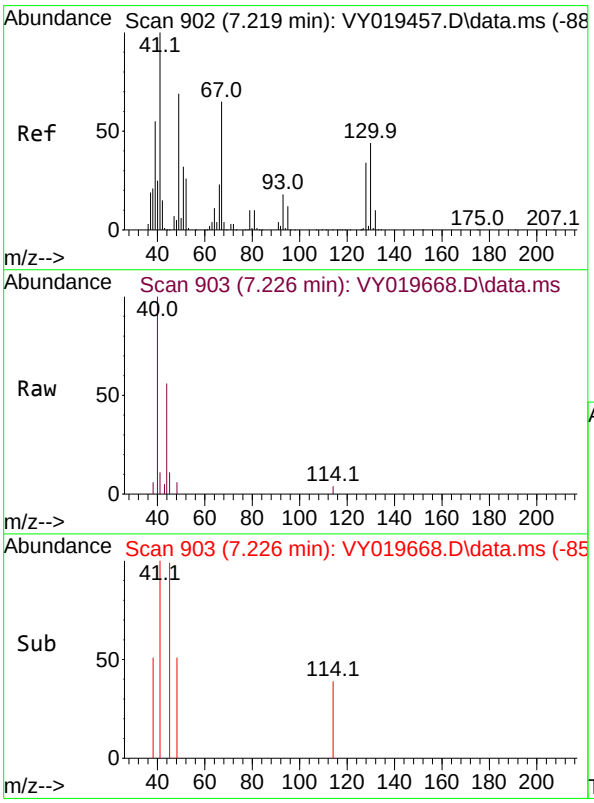
#38
Carbon Tetrachloride
Concen: 7.974 ug/l
RT: 7.695 min Scan# 9
Delta R.T. -0.122 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:117 Resp: 916

Ion	Ratio	Lower	Upper
117	100		
119	13.0	75.8	113.6#
121	0.0	24.0	36.0#

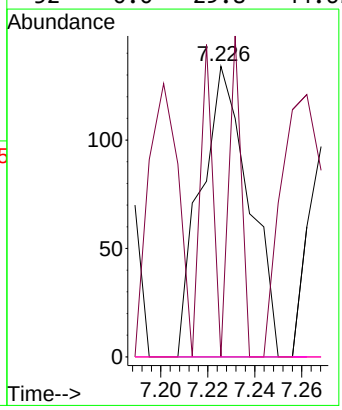


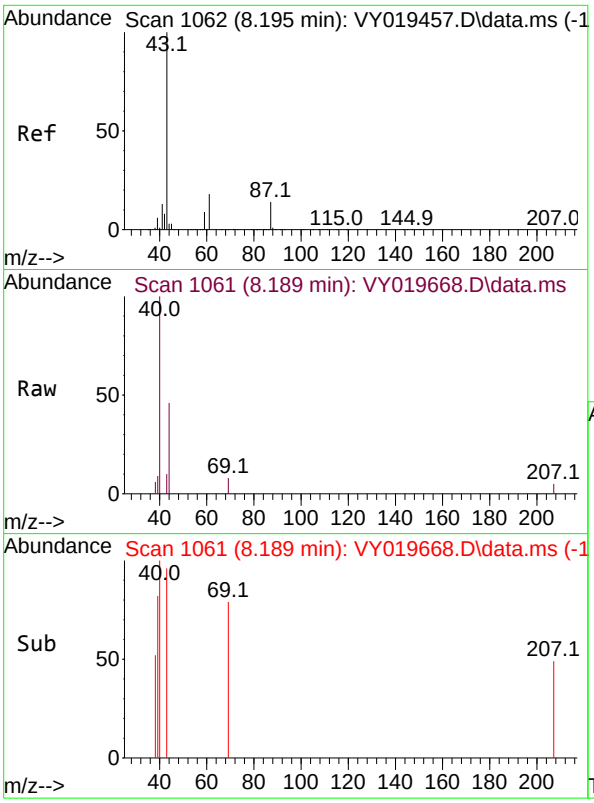


#41
Methacrylonitrile
Concen: 6.278 ug/l
RT: 7.226 min Scan# 903
Delta R.T. 0.006 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Tgt Ion: 41 Resp: 191

Ion	Ratio	Lower	Upper
41	100		
39	56.0	48.0	72.0
67	0.0	75.1	112.7#
52	0.0	29.8	44.6#



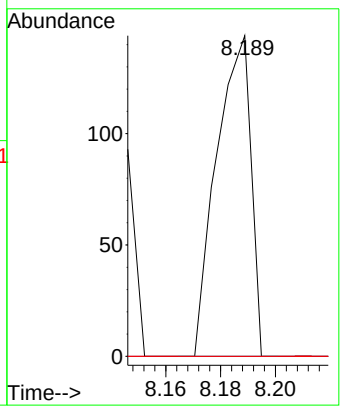


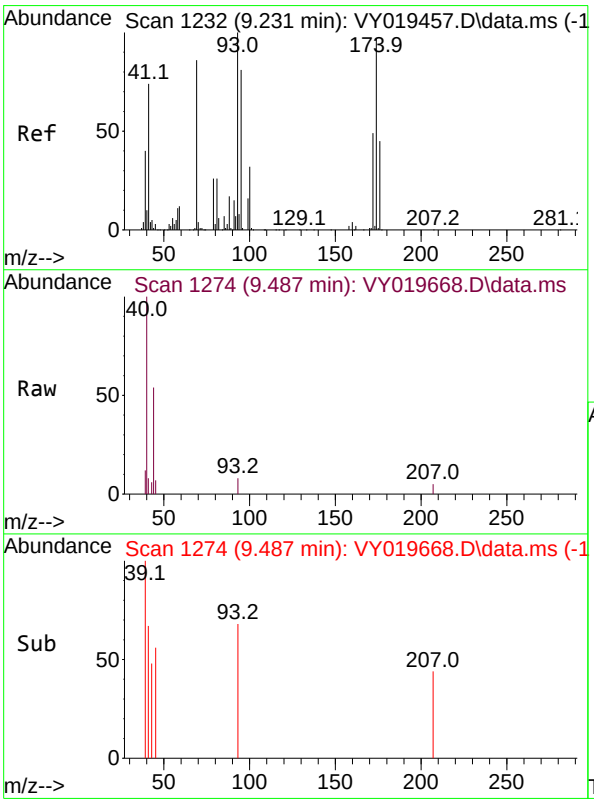
#43
Isopropyl Acetate
Concen: 1.140 ug/l
RT: 8.189 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 125

Ion	Ratio	Lower	Upper
43	100		
61	0.0	27.9	41.9#
87	0.0	13.1	19.7#

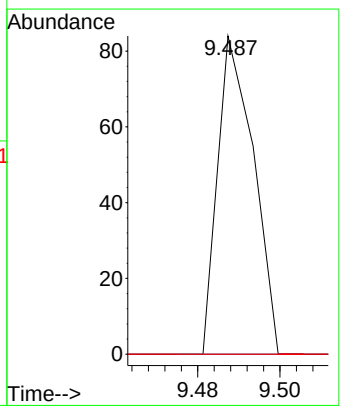


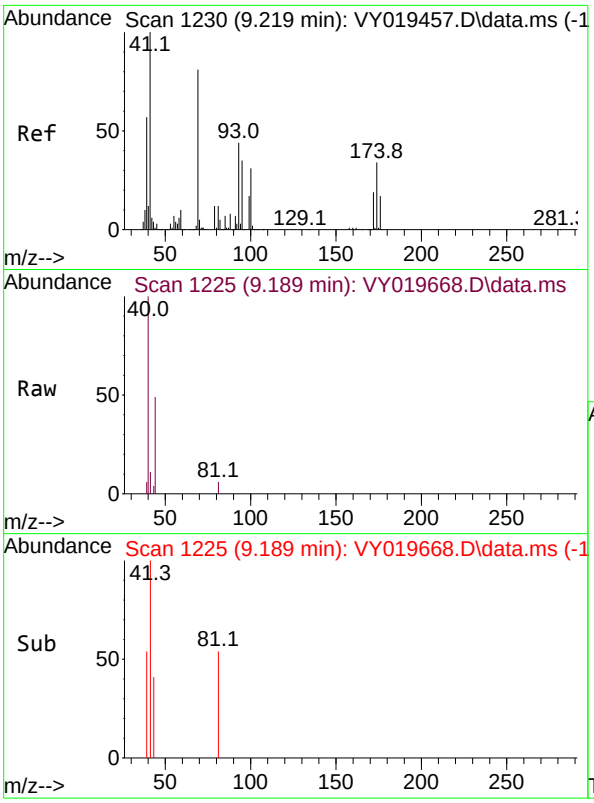


#46
Dibromomethane
Concen: 1.216 ug/l
RT: 9.487 min Scan# 1274
Delta R.T. 0.256 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Tgt Ion: 93 Resp: 51

Ion	Ratio	Lower	Upper
93	100		
95	0.0	66.2	99.4#
174	0.0	80.9	121.3#



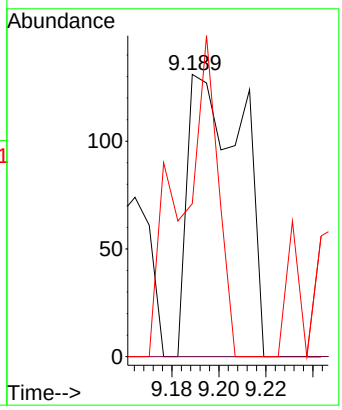


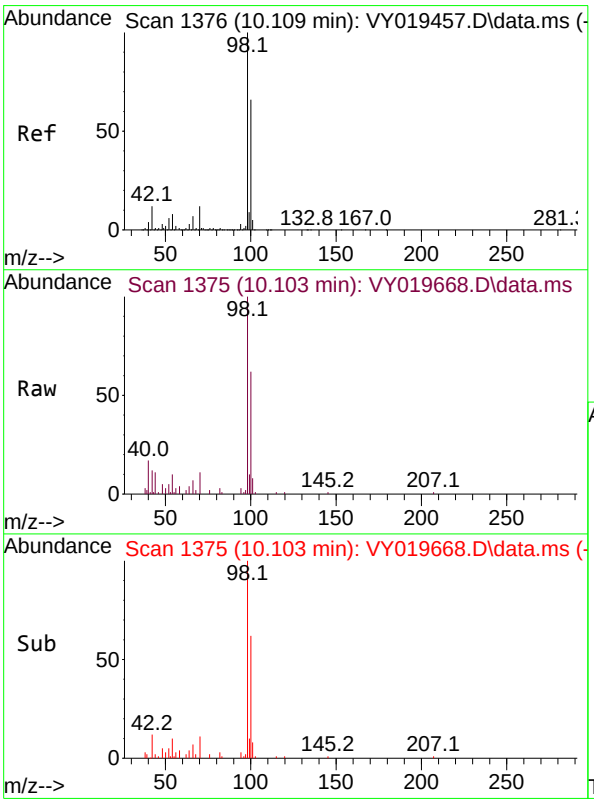
#48
Methyl methacrylate
Concen: 4.075 ug/l
RT: 9.189 min Scan# 1
Delta R.T. -0.030 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 41 Resp: 211

Ion	Ratio	Lower	Upper
41	100		
69	0.0	84.1	126.1#
39	76.8	43.6	65.4#

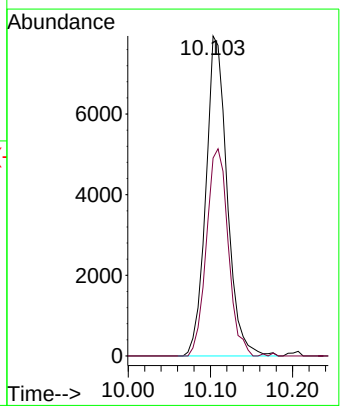


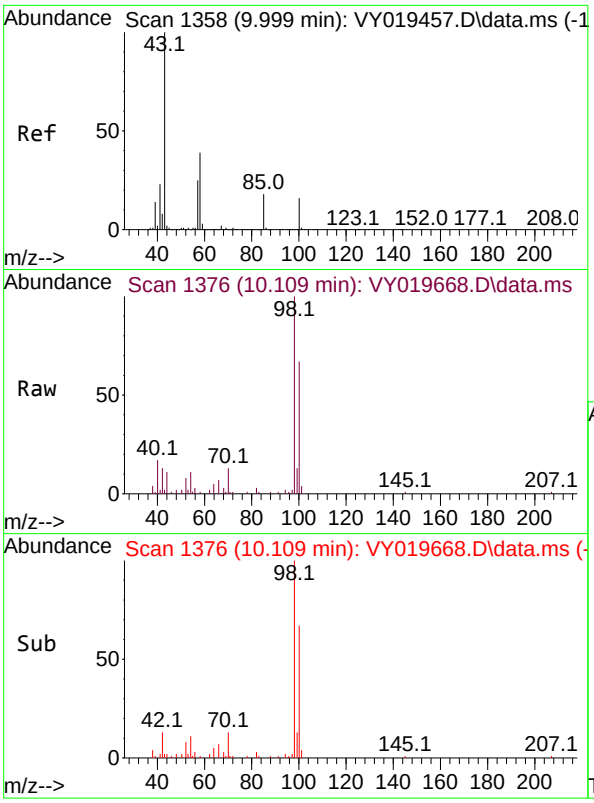


#50
Toluene-d8
Concen: 51.548 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Tgt Ion: 98 Resp: 14274

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.0	78.0



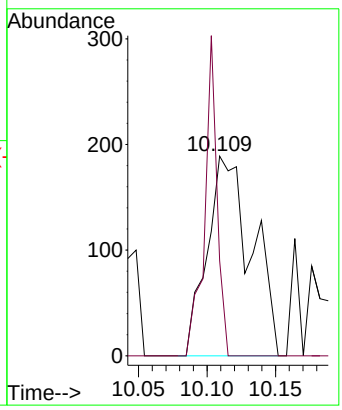


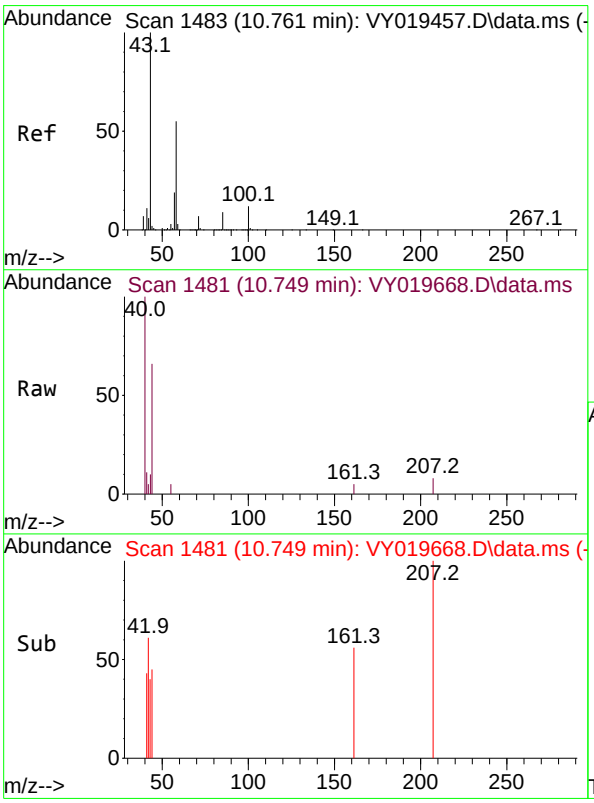
#51
4-Methyl-2-Pentanone
Concen: 7.704 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.110 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 425

Ion	Ratio	Lower	Upper
43	100		
58	45.2	35.7	53.5

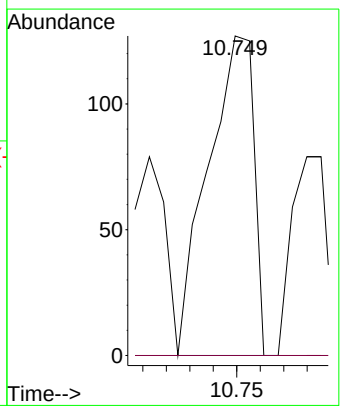


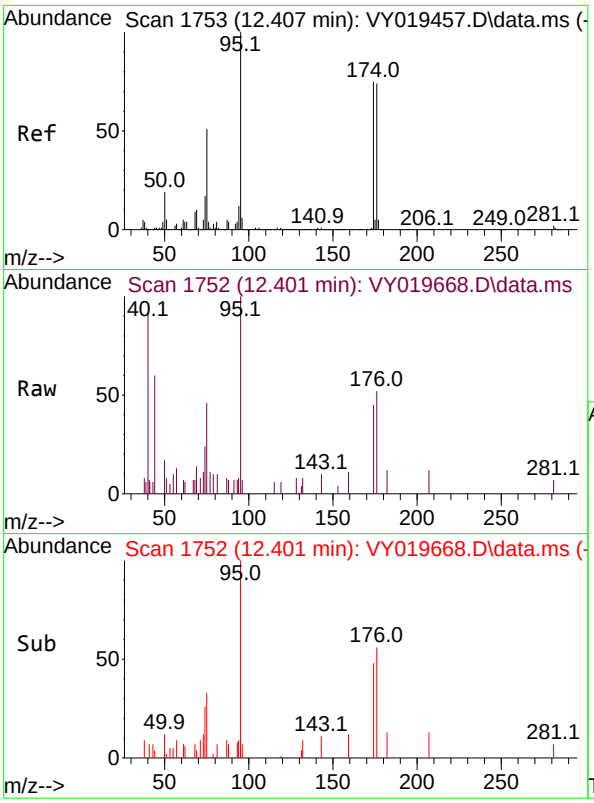


#59
2-Hexanone
Concen: 4.253 ug/l
RT: 10.749 min Scan# 1481
Delta R.T. -0.012 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Tgt Ion: 43 Resp: 172

Ion	Ratio	Lower	Upper
43	100		
58	0.0	31.4	94.0#



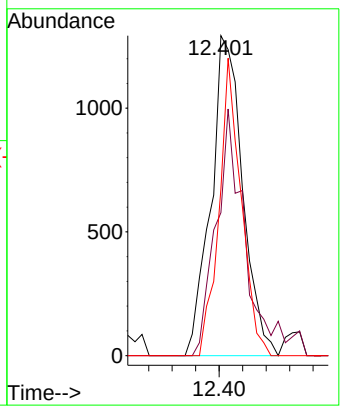


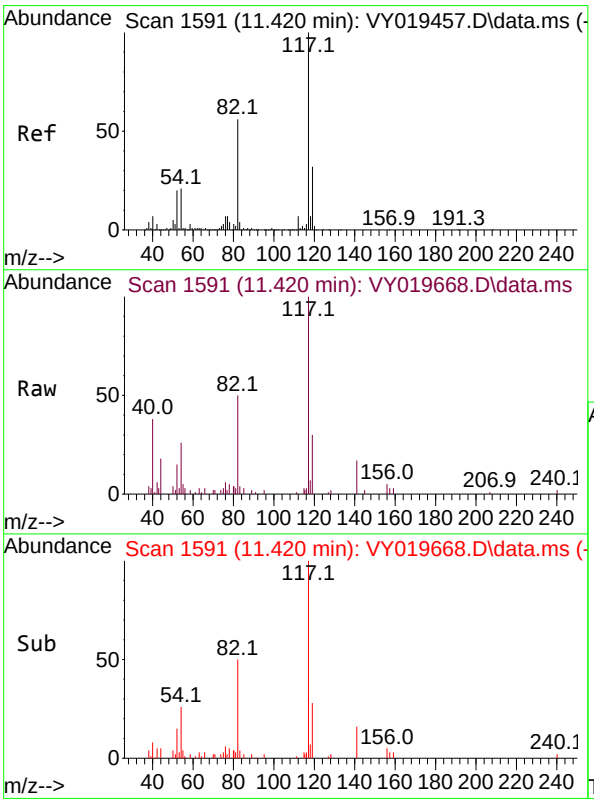
#62
4-Bromofluorobenzene
Concen: 22.757 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 95 Resp: 2423

Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	175.6
176	64.9	0.0	171.4

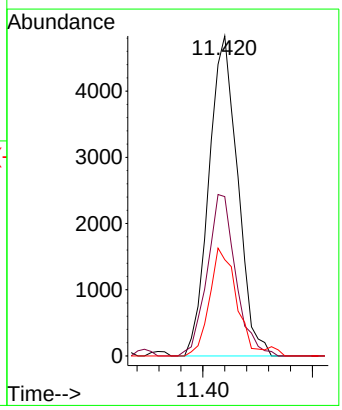


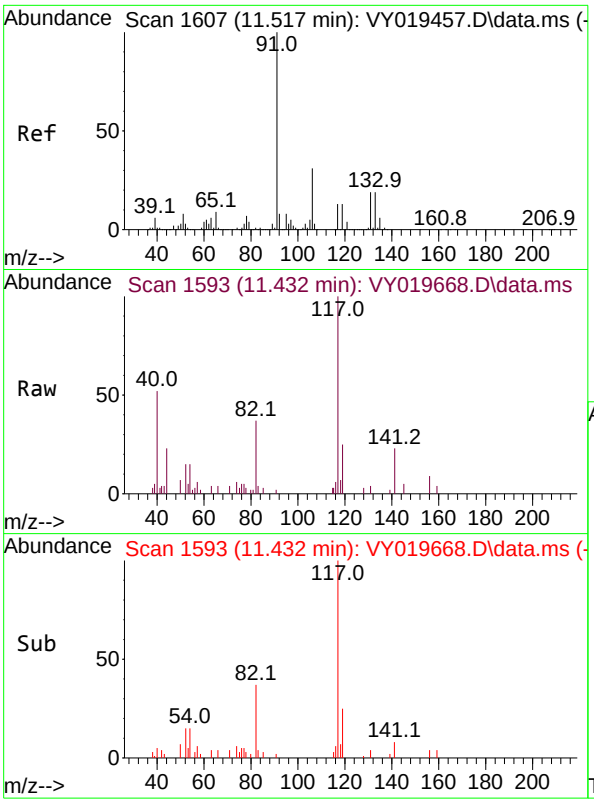


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Tgt Ion:117 Resp: 8799

Ion	Ratio	Lower	Upper
117	100		
82	49.8	42.4	63.6
119	30.1	25.9	38.9



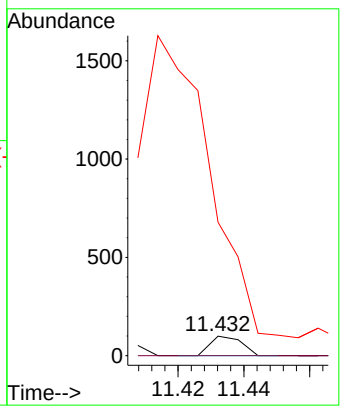


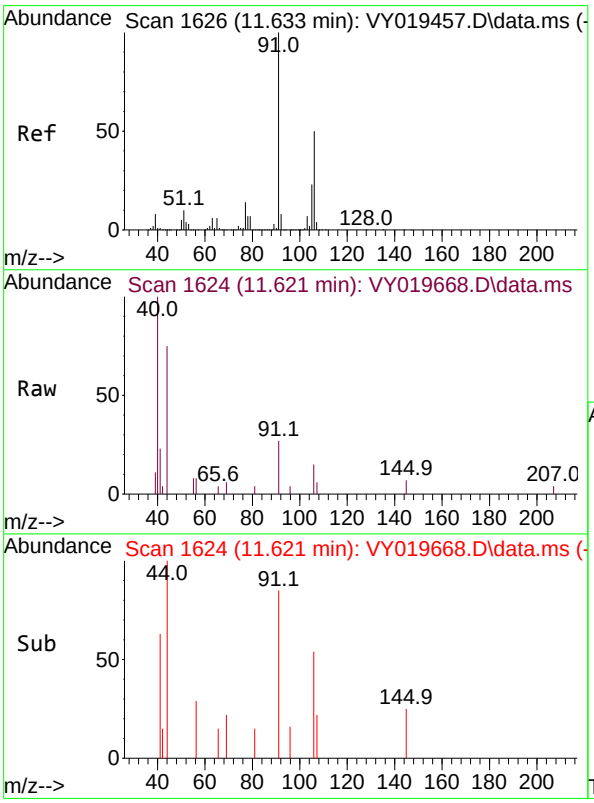
#66
1,1,1,2-Tetrachloroethane
Concen: 1.101 ug/l
RT: 11.432 min Scan# 1
Delta R.T. -0.085 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:131 Resp: 66

Ion	Ratio	Lower	Upper
131	100		
133	0.0	47.8	143.3#
119	0.0	34.1	102.2#

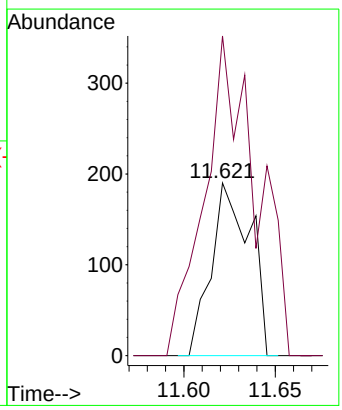


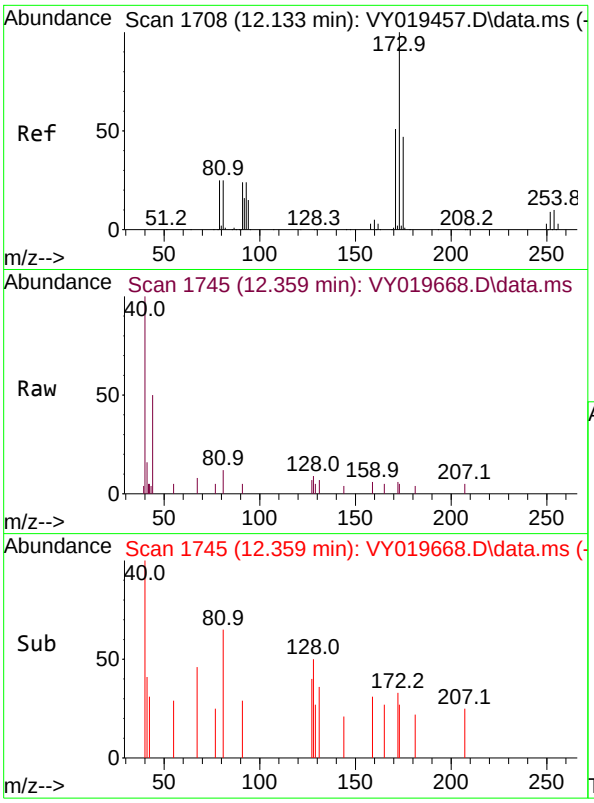


#68
m/p-Xylenes
Concen: 2.434 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.012 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Tgt Ion:106 Resp: 283

Ion	Ratio	Lower	Upper
106	100		
91	244.9	156.0	234.0#



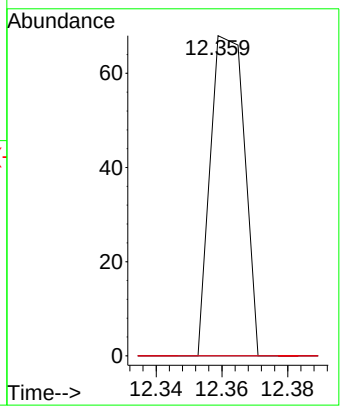


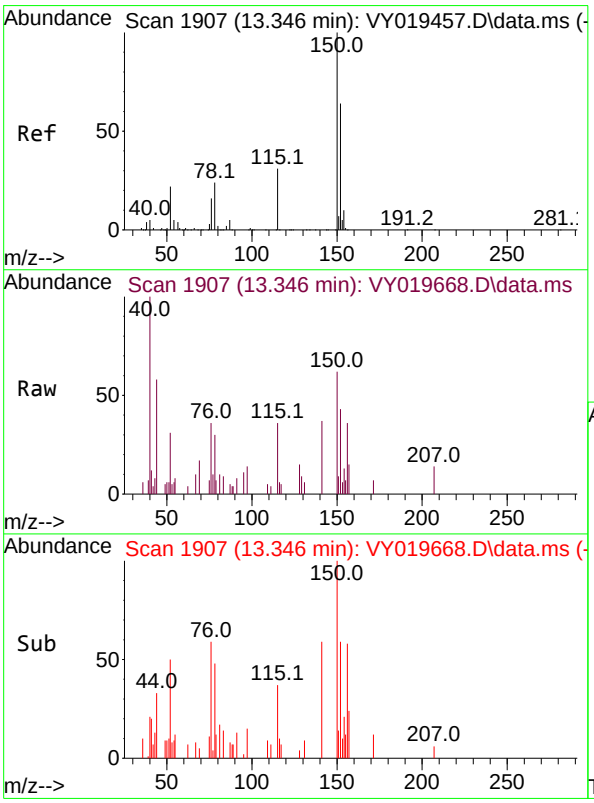
#71
Bromoform
Concen: 1.432 ug/l
RT: 12.359 min Scan# 1
Delta R.T. 0.226 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:173 Resp: 49

Ion	Ratio	Lower	Upper
173	100		
175	0.0	25.1	75.3#
254	0.0	0.0	0.0

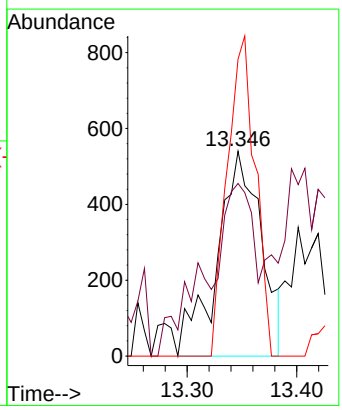


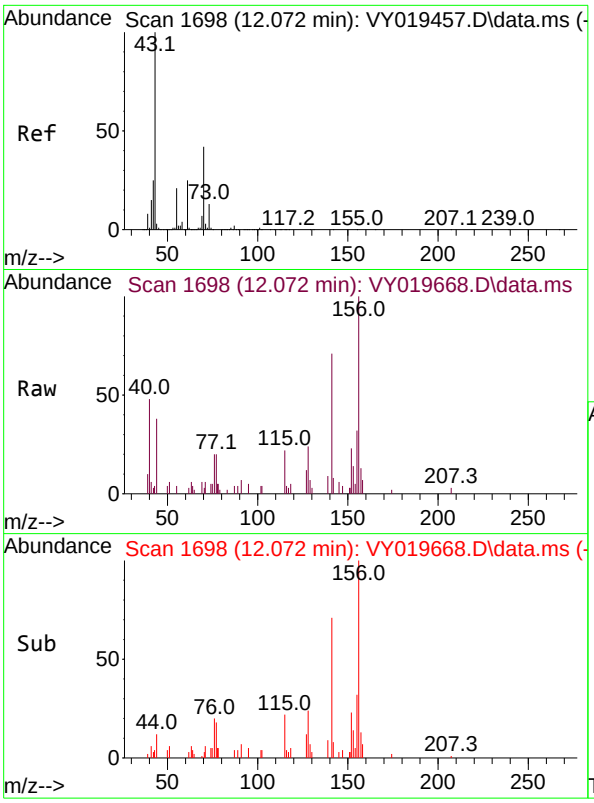


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Tgt Ion:152 Resp: 1503

Ion	Ratio	Lower	Upper
152	100		
115	31.9	28.2	84.7
150	100.1	0.0	345.6



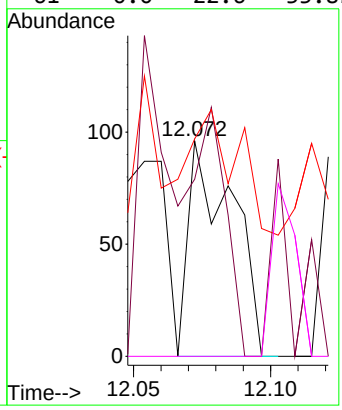


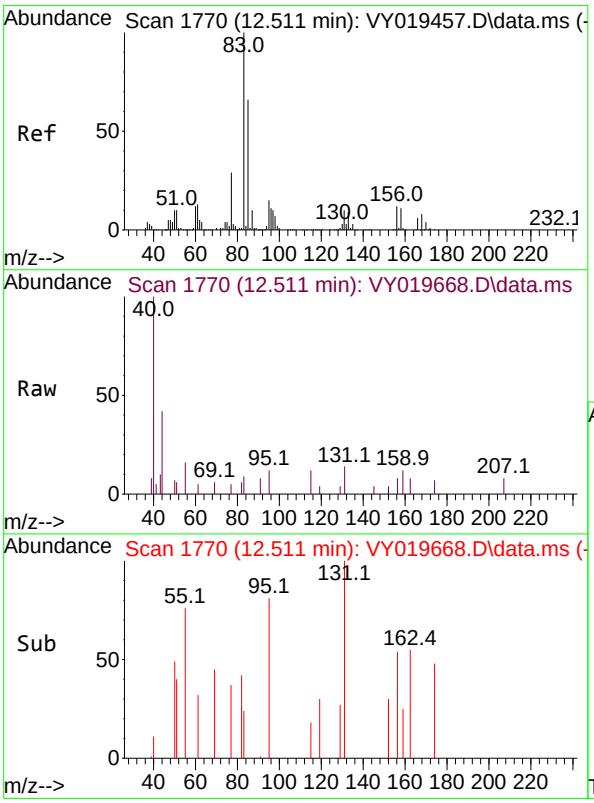
#74
N-amyl acetate
Concen: 3.642 ug/l
RT: 12.072 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 108

Ion	Ratio	Lower	Upper
43	100		
70	0.0	41.4	62.2#
55	58.3	23.3	34.9#
61	0.0	22.6	33.8#

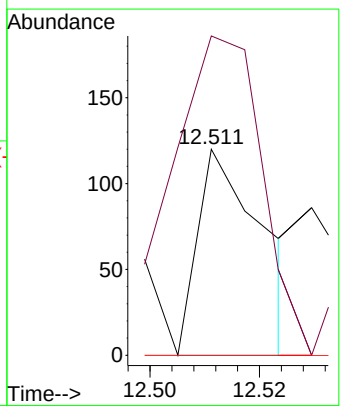


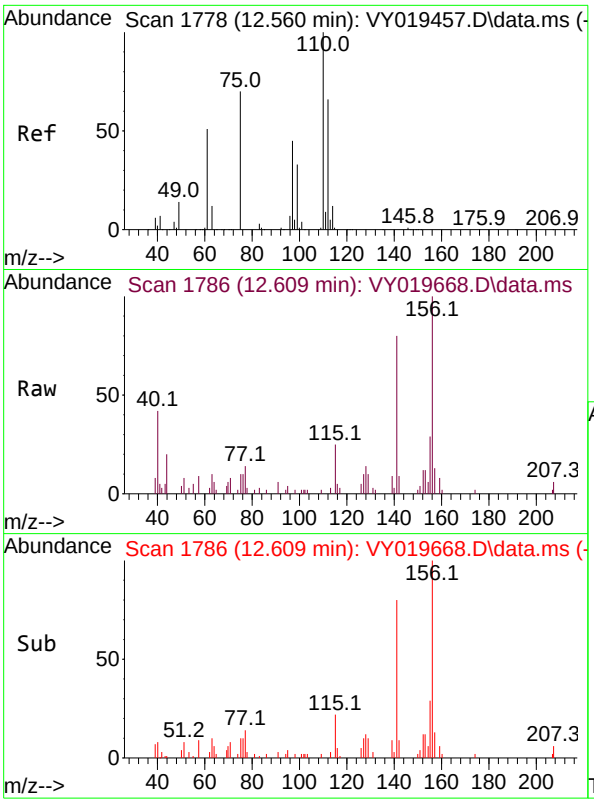


#75
1,1,2,2-Tetrachloroethane
Concen: 5.167 ug/l
RT: 12.511 min Scan# 1770
Delta R.T. 0.000 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Tgt Ion: 83 Resp: 100

Ion	Ratio	Lower	Upper
83	100		
131	215.0	5.0	14.9#
85	0.0	32.0	96.0#



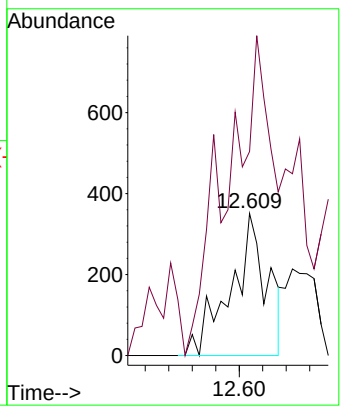


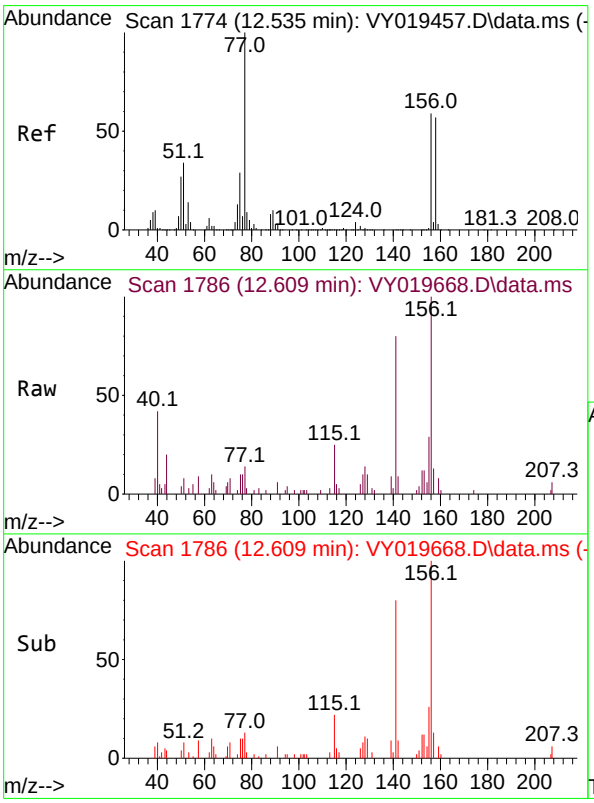
#76
1,2,3-Trichloropropane
Concen: 52.955 ug/l
RT: 12.609 min Scan# 1
Delta R.T. 0.049 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 746

Ion	Ratio	Lower	Upper
75	100		
77	71.0	0.0	0.0#

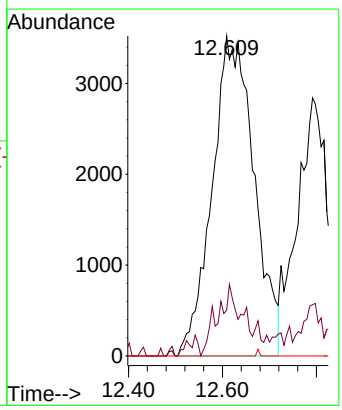


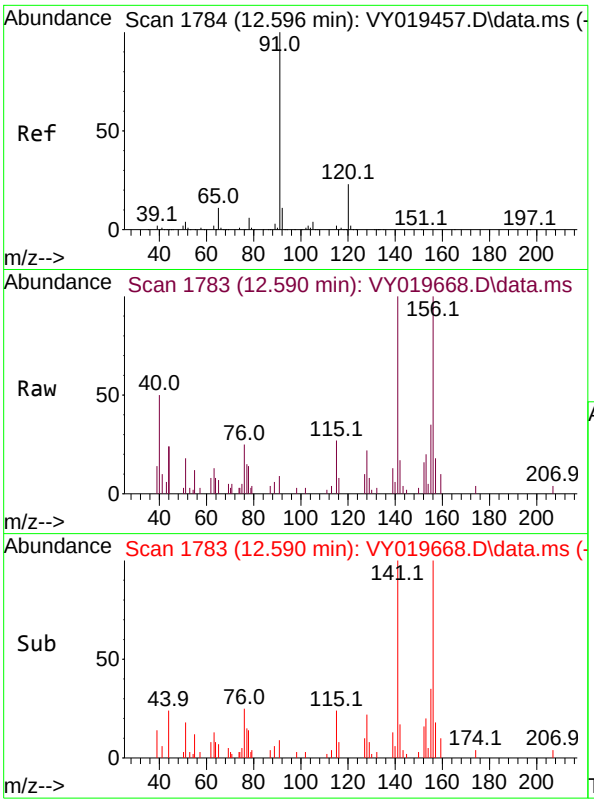


#77
Bromobenzene
Concen: 902.410 ug/l
RT: 12.609 min Scan# 1786
Delta R.T. 0.073 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Tgt Ion:156 Resp: 21823

Ion	Ratio	Lower	Upper
156	100		
77	2.4	87.1	261.3#
158	0.0	48.6	145.9#



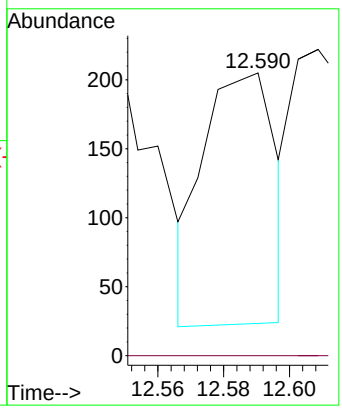


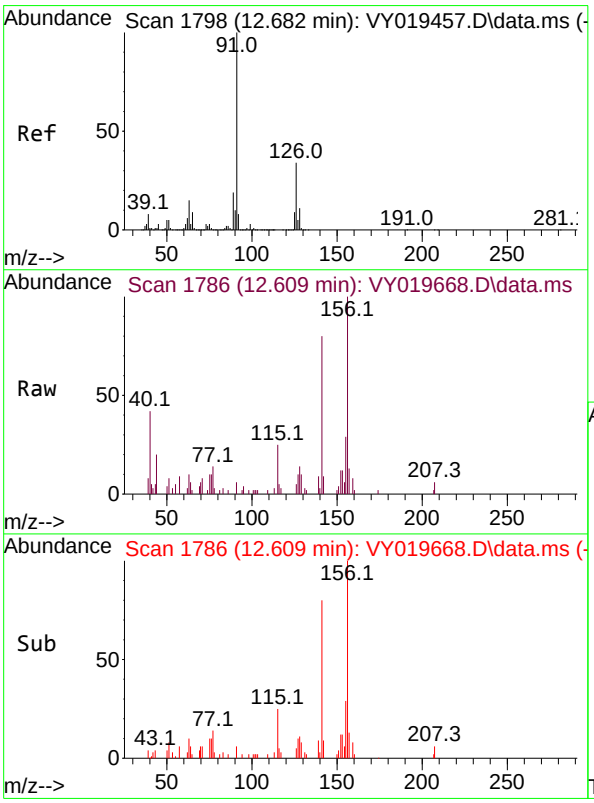
#78
n-propylbenzene
Concen: 2.136 ug/l
RT: 12.590 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 91 Resp: 276

Ion	Ratio	Lower	Upper
91	100		
120	0.0	11.5	34.4#

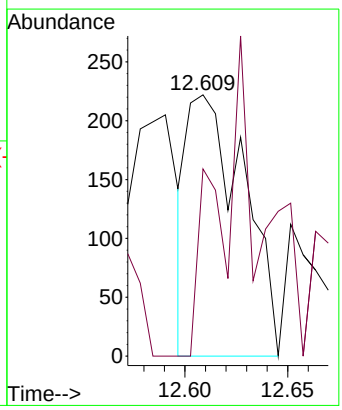


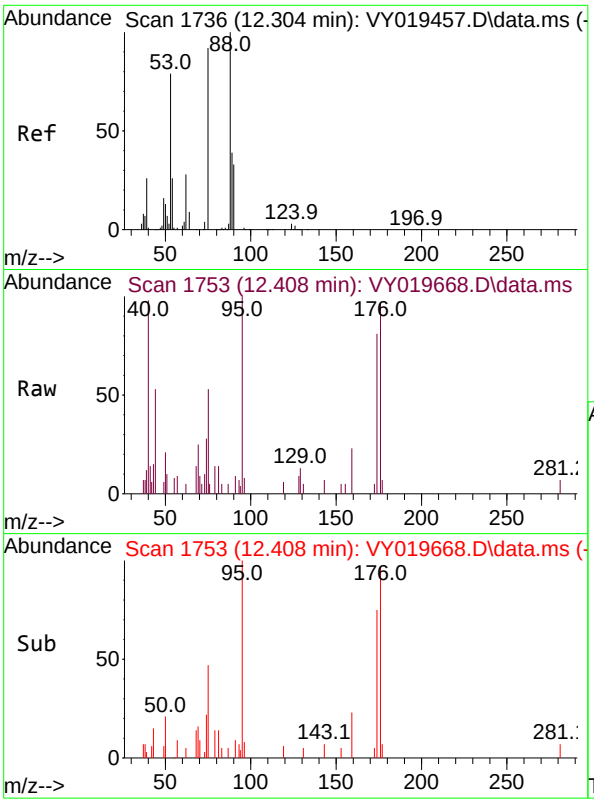


#79
2-Chlorotoluene
Concen: 5.683 ug/l
RT: 12.609 min Scan# 1786
Delta R.T. -0.073 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Tgt Ion: 91 Resp: 428

Ion	Ratio	Lower	Upper
91	100		
126	31.3	17.8	53.5



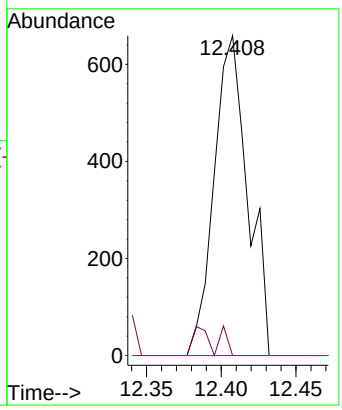


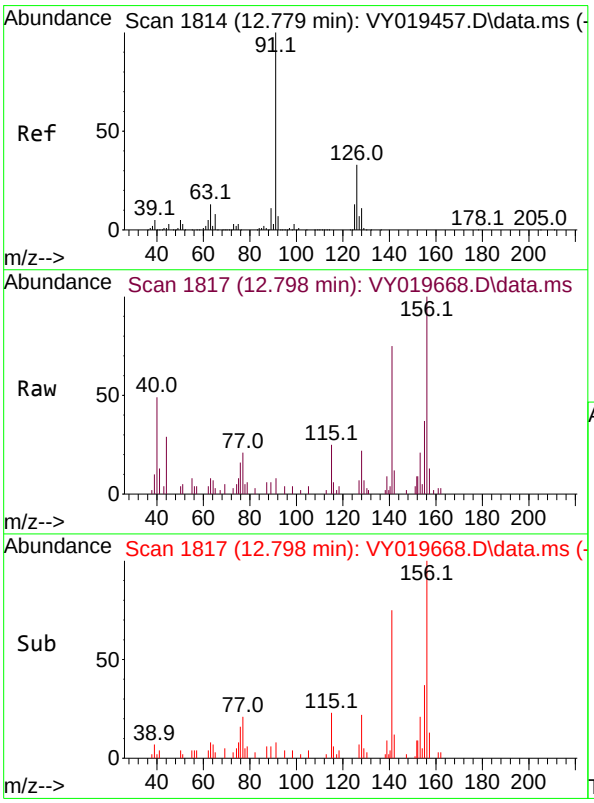
#81
trans-1,4-Dichloro-2-butene
Concen: 141.040 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.104 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 1035

Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.8	100.2#
89	0.0	35.8	53.6#

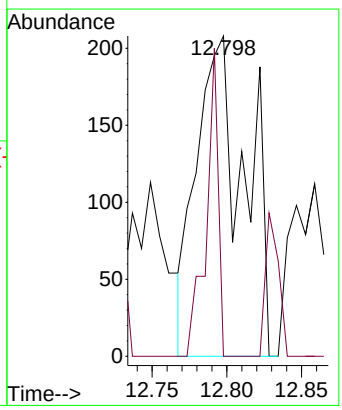


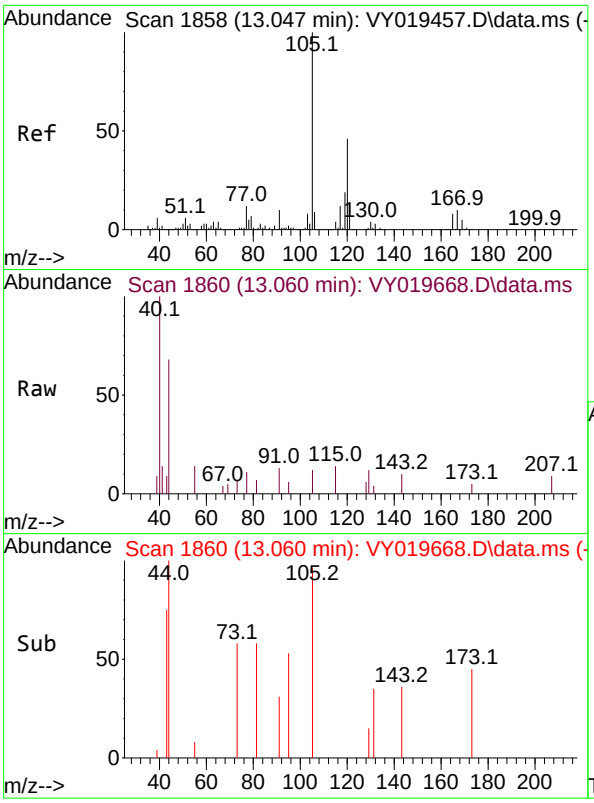


#82
4-Chlorotoluene
Concen: 6.018 ug/l
RT: 12.798 min Scan# 1817
Delta R.T. 0.019 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Tgt Ion: 91 Resp: 466

Ion	Ratio	Lower	Upper
91	100		
126	23.8	17.6	52.9



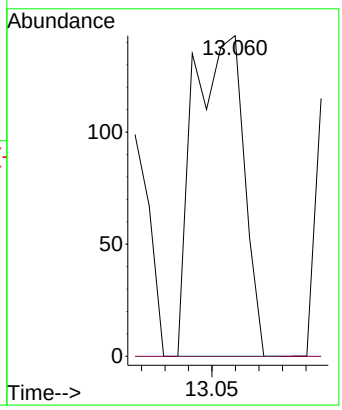


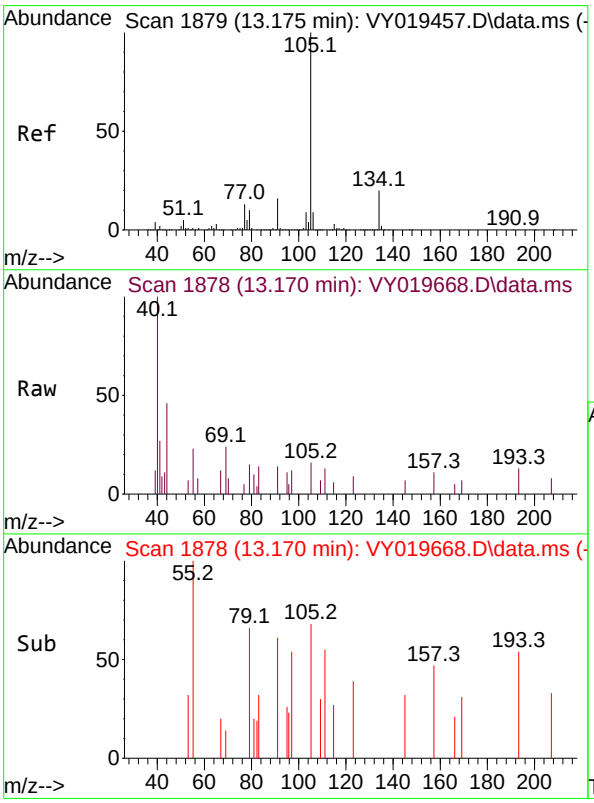
#84
1,2,4-Trimethylbenzene
Concen: 2.416 ug/l
RT: 13.060 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:105 Resp: 212

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.2	69.6#

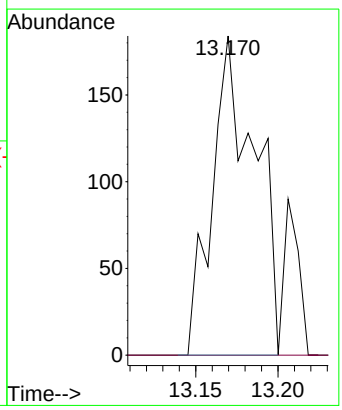


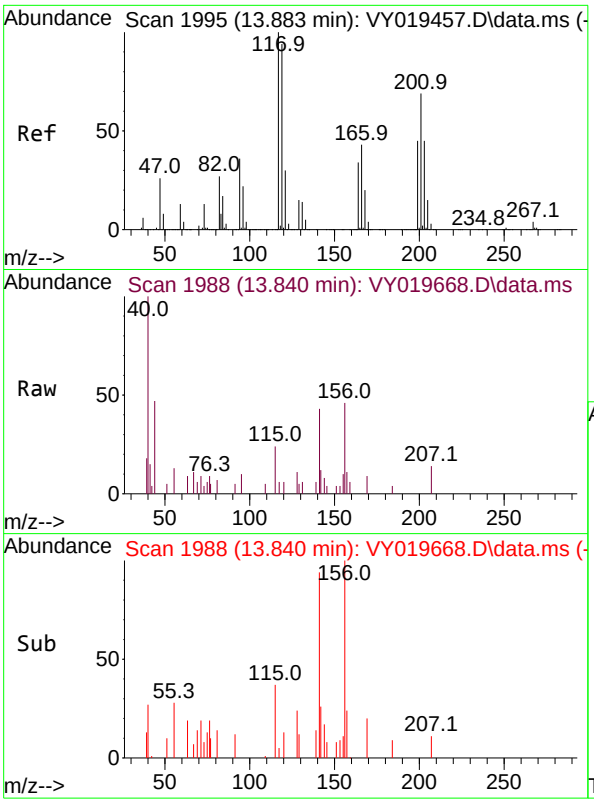


#85
sec-Butylbenzene
Concen: 2.874 ug/l
RT: 13.170 min Scan# 1878
Delta R.T. -0.006 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Tgt Ion:105 Resp: 335

Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.1	30.1#



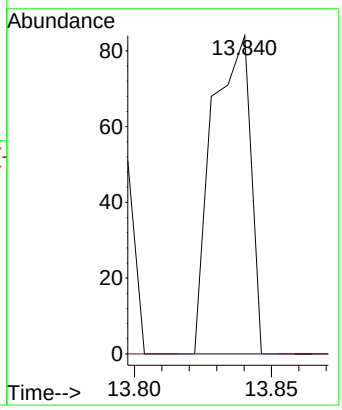


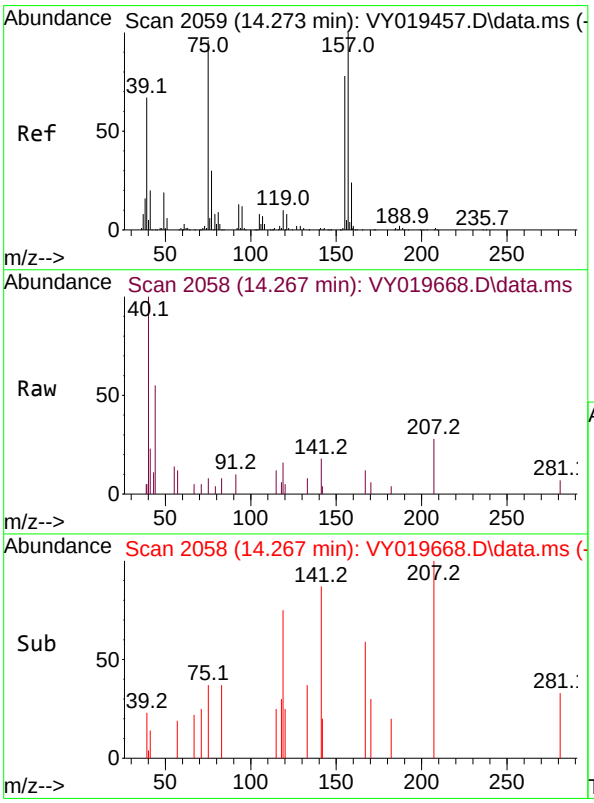
#90
Hexachloroethane
Concen: 4.132 ug/l
RT: 13.840 min Scan# 1
Delta R.T. -0.042 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:117 Resp: 82

Ion	Ratio	Lower	Upper
117	100		
201	0.0	37.4	112.2#

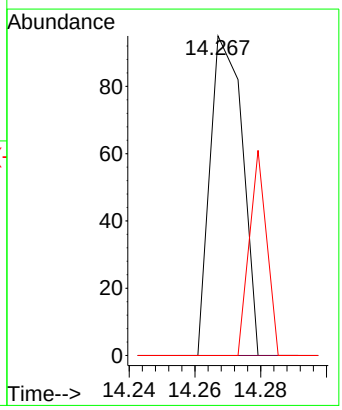


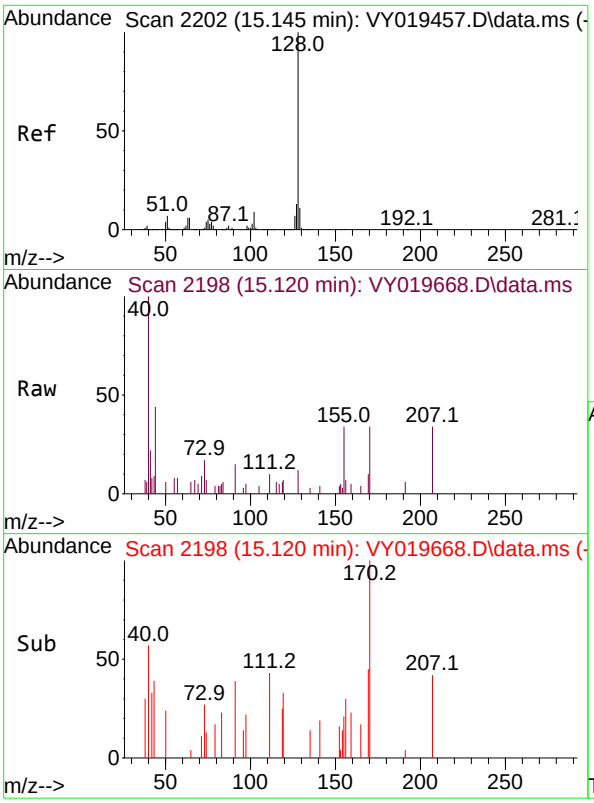


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.152 ug/l
RT: 14.267 min Scan# 2058
Delta R.T. -0.006 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Tgt Ion: 75 Resp: 65

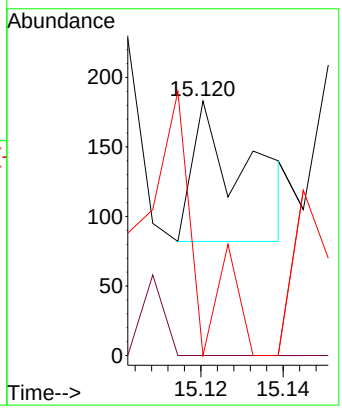
Ion	Ratio	Lower	Upper
75	100		
155	0.0	48.6	145.8#
157	33.8	62.7	188.2#





#95
Naphthalene
Concen: 1.840 ug/l
RT: 15.120 min Scan# 2
Delta R.T. -0.024 min
Lab File: VY019668.D
Acq: 23 Sep 2024 15:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 94

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	208.5	8.6	13.0#