Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031825\
Data File : VY021558.D
Acq On : 18 Mar 2025 11:52
Operator : SY/MD
Sample : Q1590-02
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
20071

Quant Time: Mar 19 01:38:51 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	239672	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	433656	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	367381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	137683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	139985	55.260	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.520%			
35) Dibromofluoromethane	7.634	113	145197	50.938	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.880%			
50) Toluene-d8	10.109	98	508405	47.106	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.220%			
62) 4-Bromofluorobenzene	12.408	95	153034	41.684	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.360%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.848	59	9480	38.494	ug/l	100
13) Acrolein	3.647	56	1758	13.644	ug/l	93
16) Acetone	3.860	43	45105	81.636	ug/l	97
25) 2-Butanone	6.896	43	6683	8.744	ug/l	90
32) 1,1,1-Trichloroethane	7.616	97	64304	13.365	ug/l	100
40) Benzene	8.079	78	15557	1.184	ug/l #	90
52) Toluene	10.170	92	226279	27.307	ug/l	100
68) m/p-Xylenes	11.627	106	22973	3.974	ug/l	99
69) o-Xylene	11.956	106	7196	1.351	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	20940	2.393	ug/l	98

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

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Instrument :
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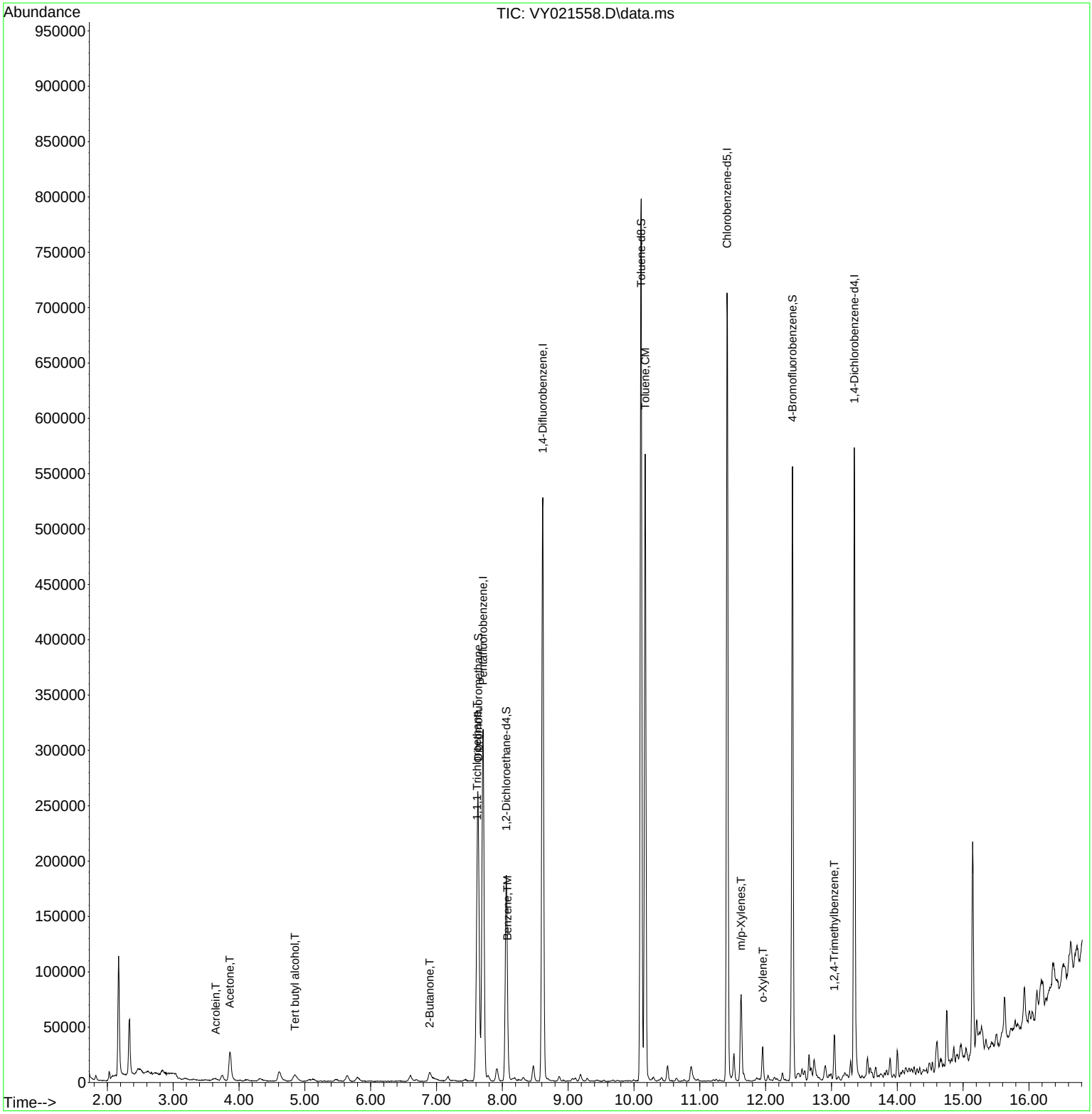
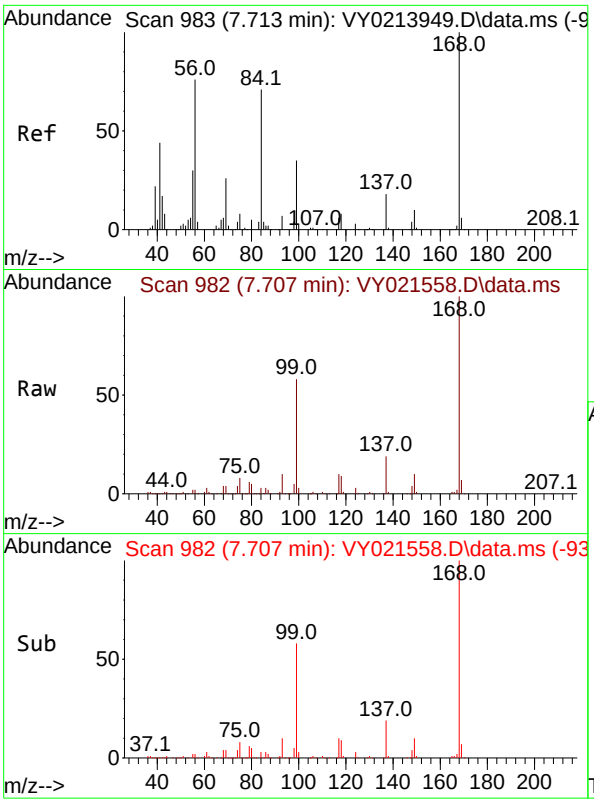


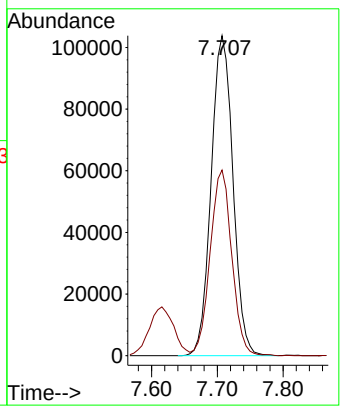


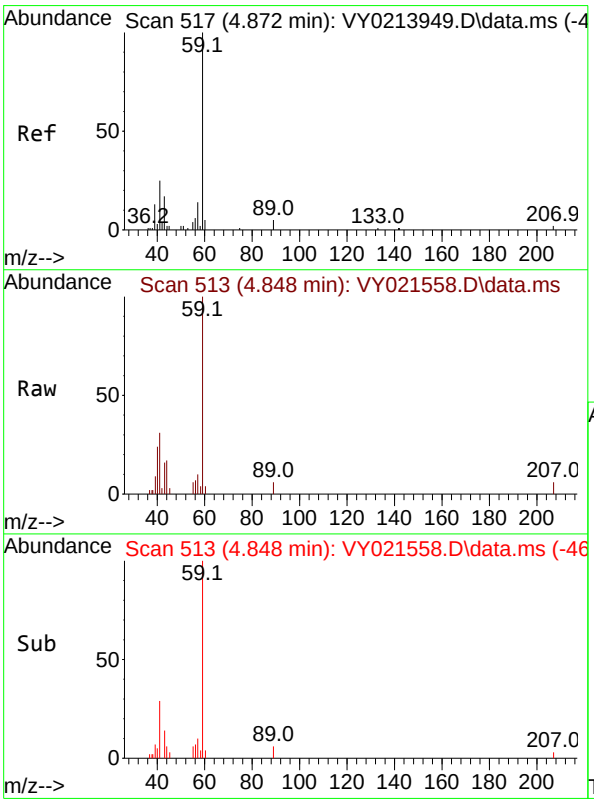
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021558.D
Acq: 18 Mar 2025 11:52

Instrument :
MSVOA_Y
ClientSampleId :
20071

Tgt Ion:168 Resp: 239672

Ion	Ratio	Lower	Upper
168	100		
99	58.0	46.0	69.0

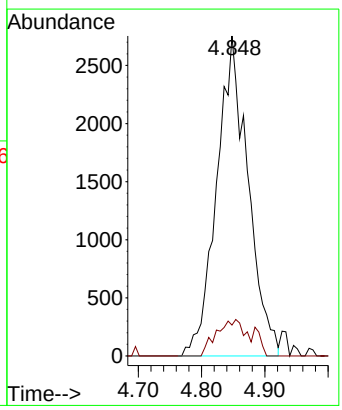


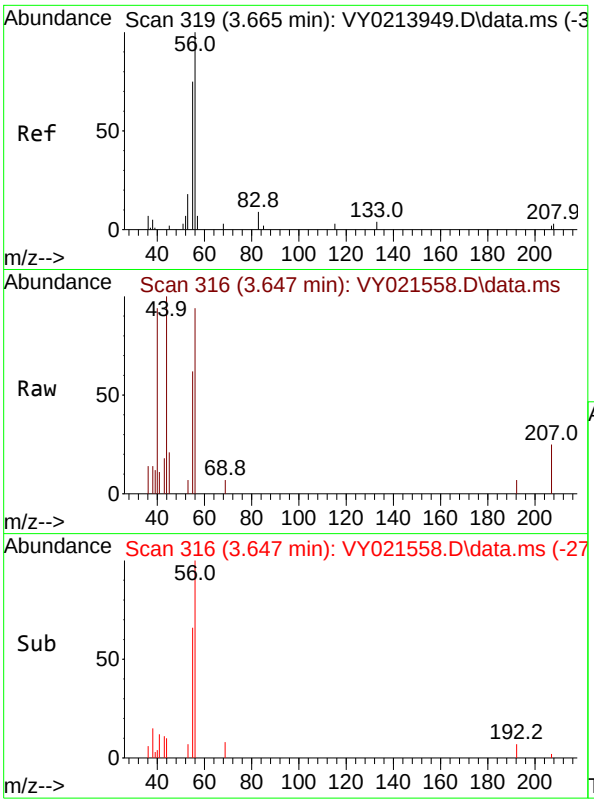


#11
Tert butyl alcohol
Concen: 38.494 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.024 min
Lab File: VY021558.D
Acq: 18 Mar 2025 11:52

Tgt Ion: 59 Resp: 9480

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4



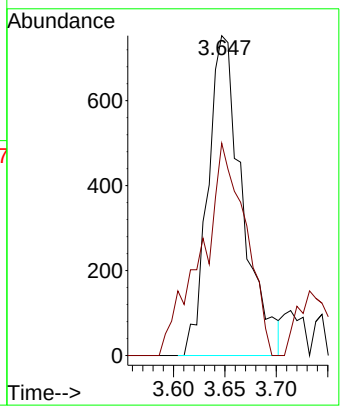


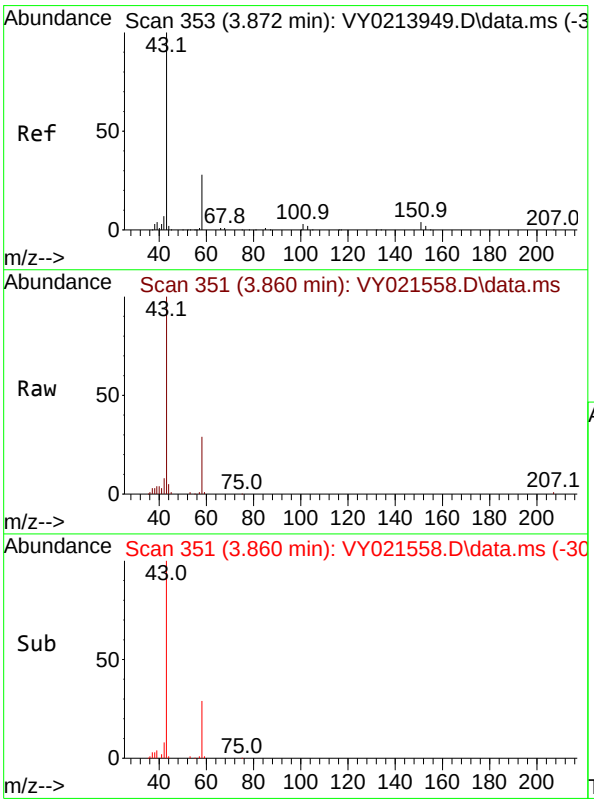
#13
Acrolein
Concen: 13.644 ug/l
RT: 3.647 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY021558.D
Acq: 18 Mar 2025 11:52

Instrument :
MSVOA_Y
ClientSampleId :
20071

Tgt Ion: 56 Resp: 1758

Ion	Ratio	Lower	Upper
56	100		
55	85.5	63.4	95.2

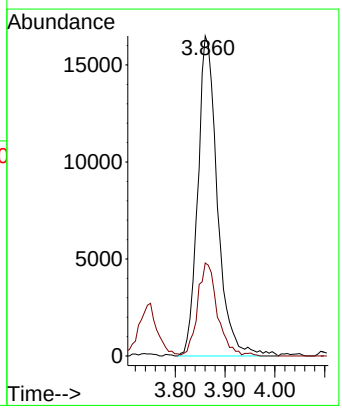


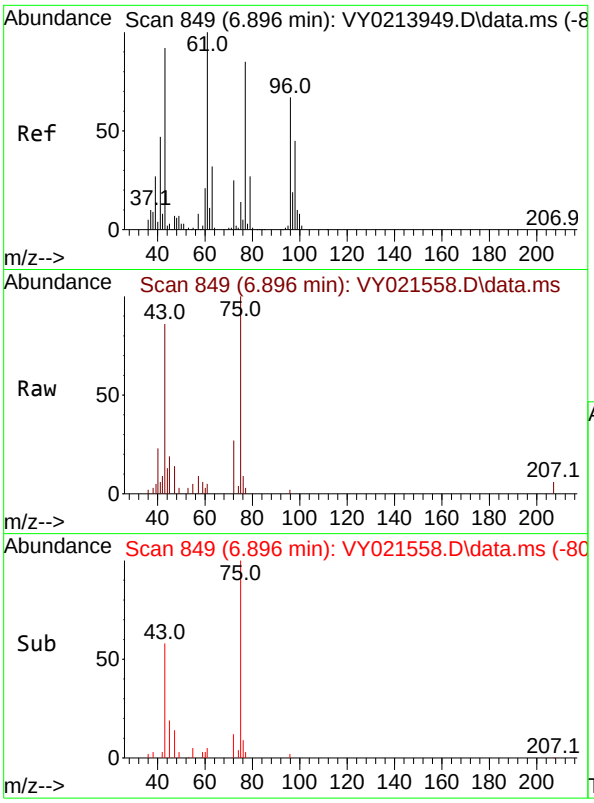


#16
Acetone
Concen: 81.636 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY021558.D
Acq: 18 Mar 2025 11:52

Tgt Ion: 43 Resp: 45105

Ion	Ratio	Lower	Upper
43	100		
58	29.0	22.1	33.1



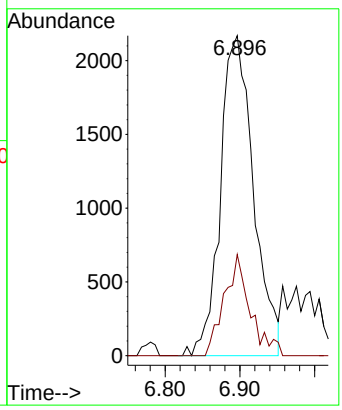


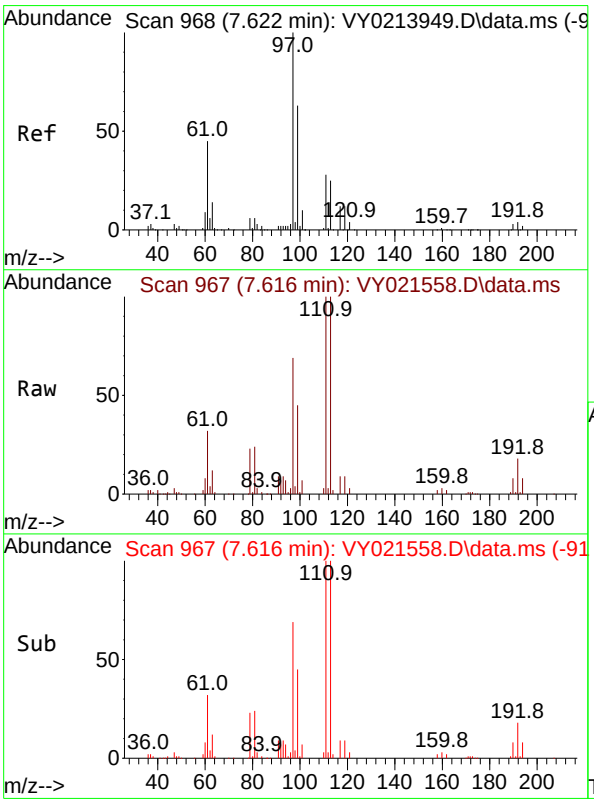
#25
2-Butanone
Concen: 8.744 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY021558.D
Acq: 18 Mar 2025 11:52

Instrument :
MSVOA_Y
ClientSampleId :
20071

Tgt Ion: 43 Resp: 6683

Ion	Ratio	Lower	Upper
43	100		
72	31.6	21.4	32.0

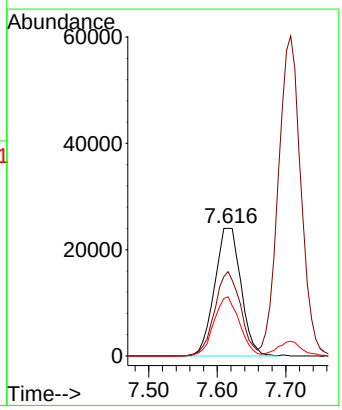


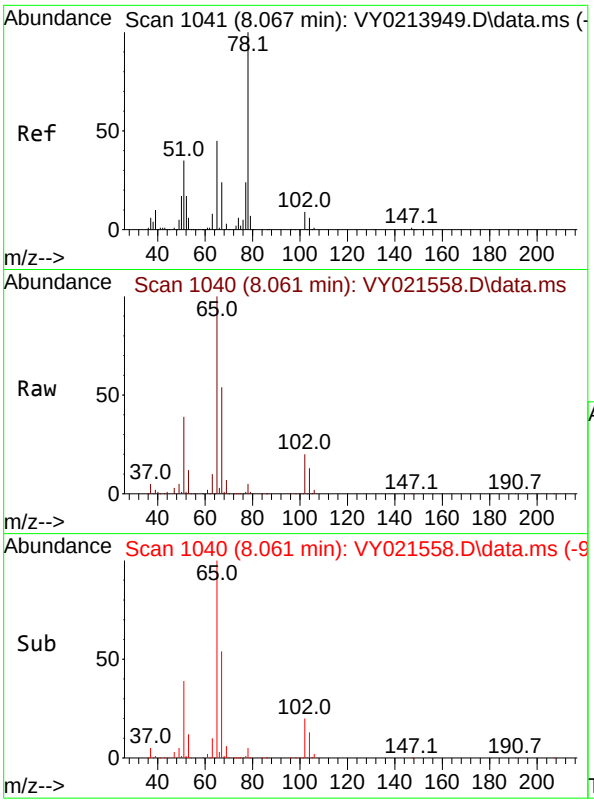


#32
1,1,1-Trichloroethane
Concen: 13.365 ug/l
RT: 7.616 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY021558.D
Acq: 18 Mar 2025 11:52

Tgt Ion: 97 Resp: 64304

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.7	77.5
61	44.9	35.7	53.5



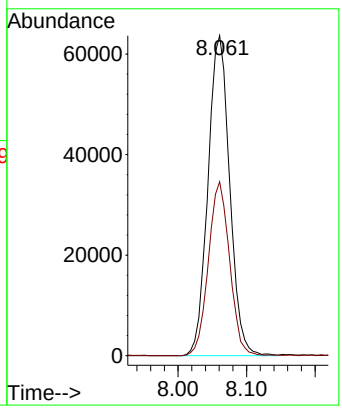


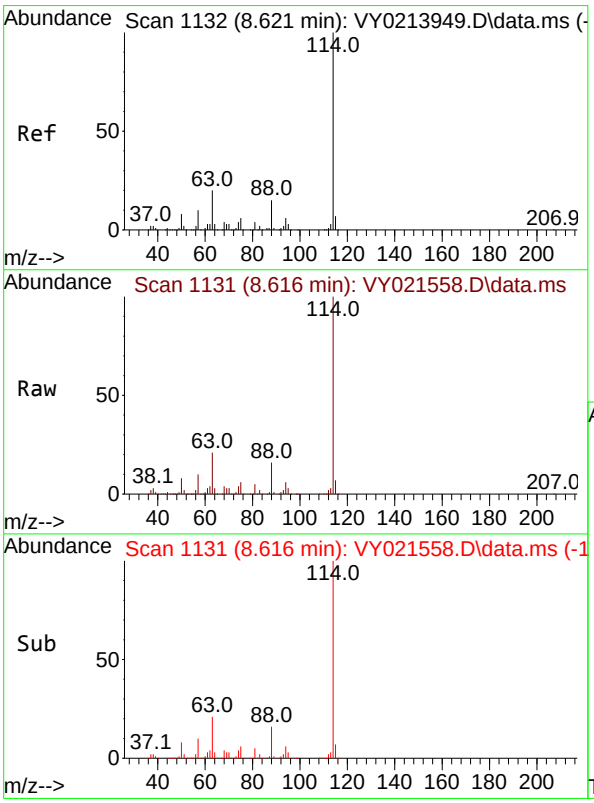
#33
1,2-Dichloroethane-d4
Concen: 55.260 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021558.D
Acq: 18 Mar 2025 11:52

Instrument :
MSVOA_Y
ClientSampleId :
20071

Tgt Ion: 65 Resp: 139985

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	102.8

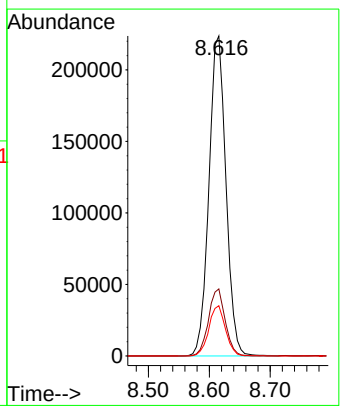


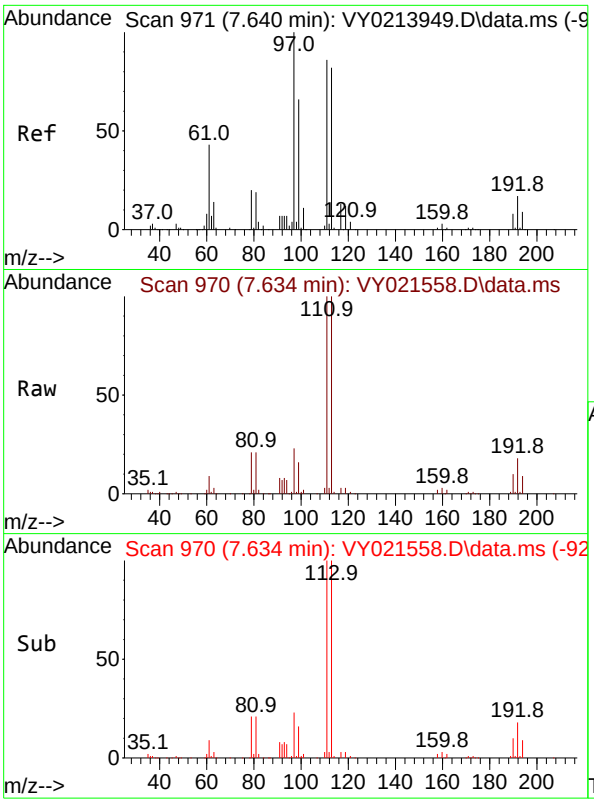


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY021558.D
Acq: 18 Mar 2025 11:52

Tgt Ion:114 Resp: 433656

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	40.8
88	15.7	0.0	30.8



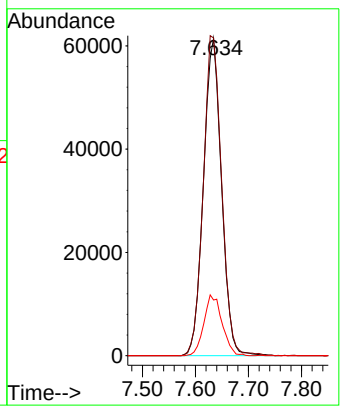


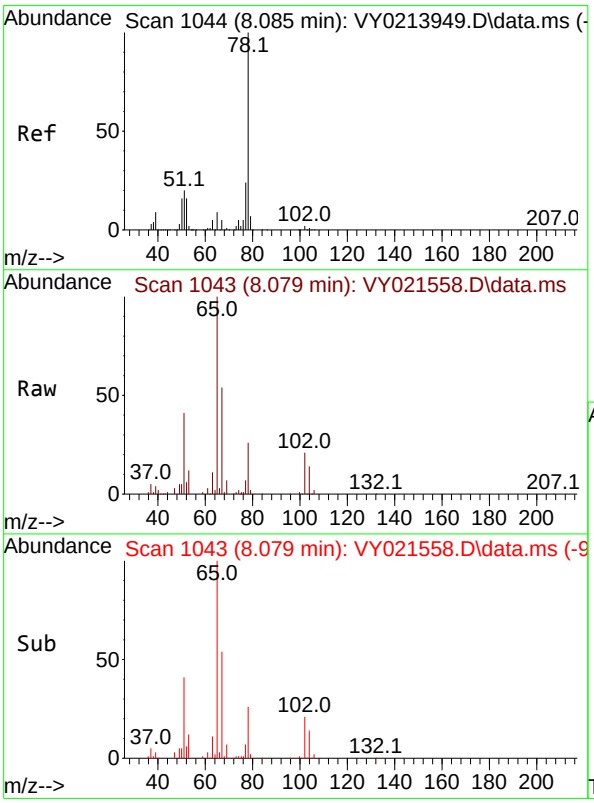
#35
Dibromofluoromethane
Concen: 50.938 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021558.D
Acq: 18 Mar 2025 11:52

Instrument :
MSVOA_Y
ClientSampleId :
20071

Tgt Ion:113 Resp: 145197

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.0	123.0
192	19.3	15.9	23.9

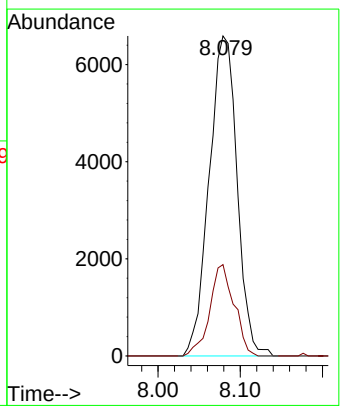


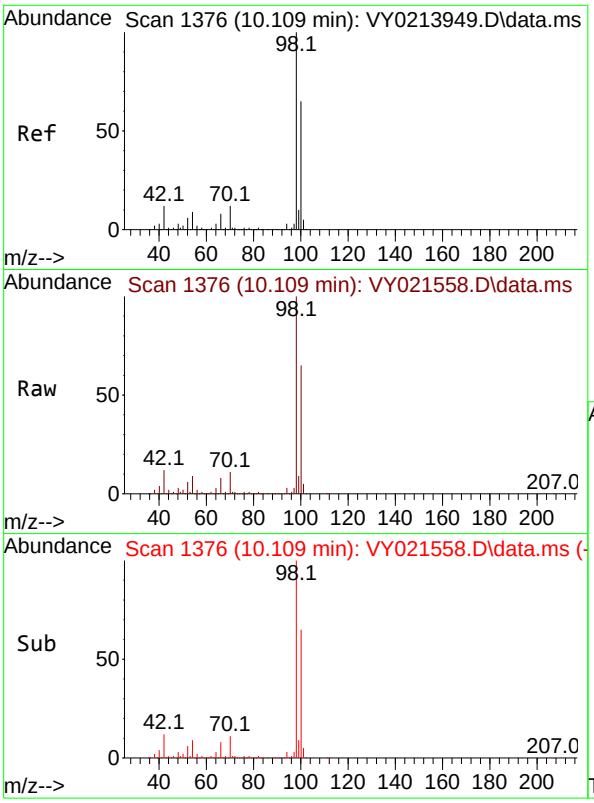


#40
Benzene
Concen: 1.184 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY021558.D
Acq: 18 Mar 2025 11:52

Tgt Ion: 78 Resp: 15557

Ion	Ratio	Lower	Upper
78	100		
77	28.6	19.0	28.4#



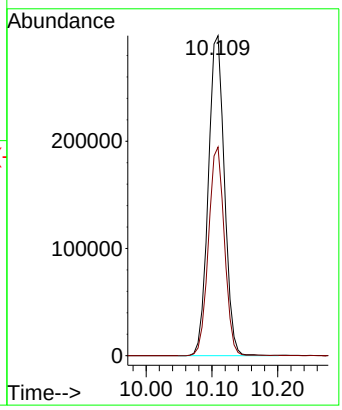


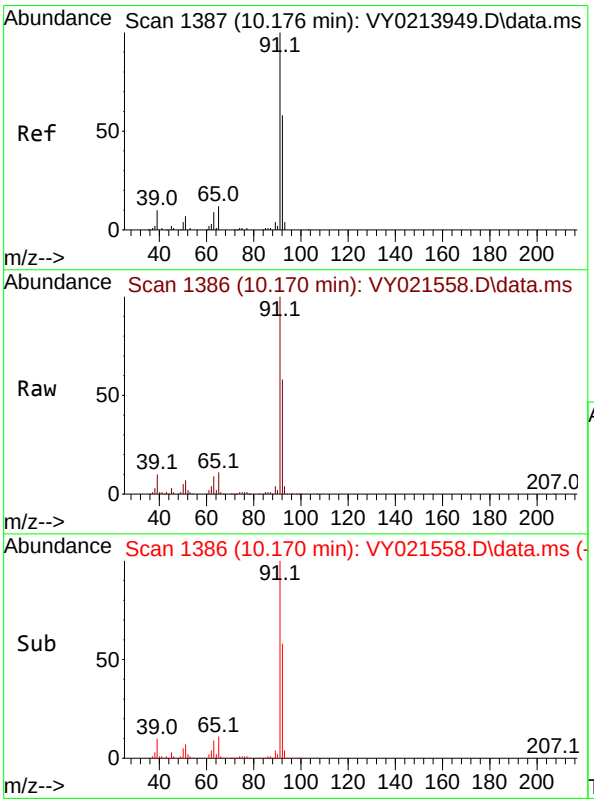
#50
Toluene-d8
Concen: 47.106 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021558.D
Acq: 18 Mar 2025 11:52

Instrument :
MSVOA_Y
ClientSampleId :
20071

Tgt Ion: 98 Resp: 508405

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1

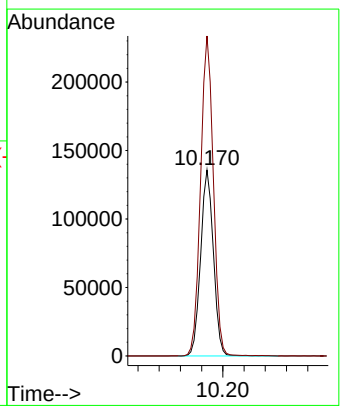


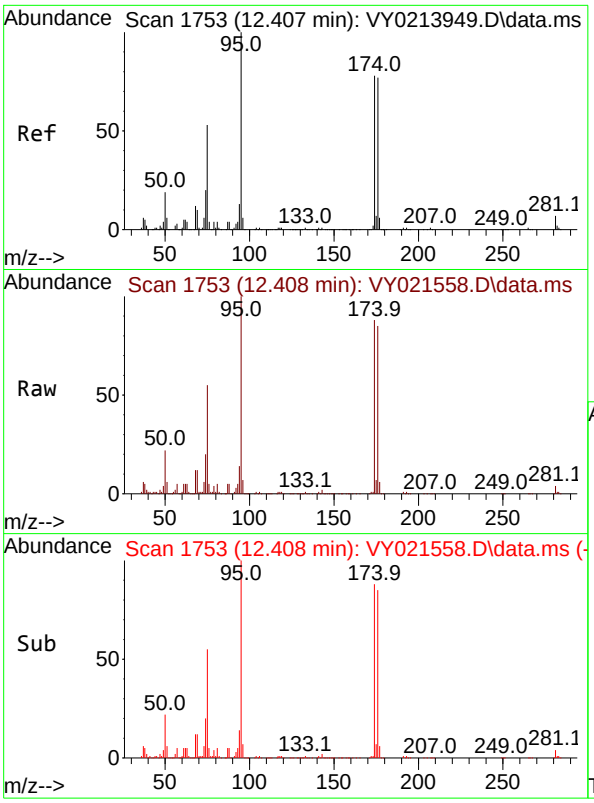


#52
Toluene
Concen: 27.307 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY021558.D
Acq: 18 Mar 2025 11:52

Tgt Ion: 92 Resp: 226279

Ion	Ratio	Lower	Upper
92	100		
91	172.5	138.2	207.2



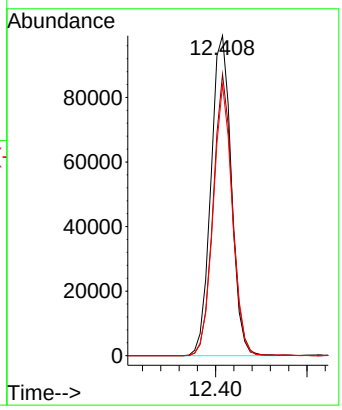


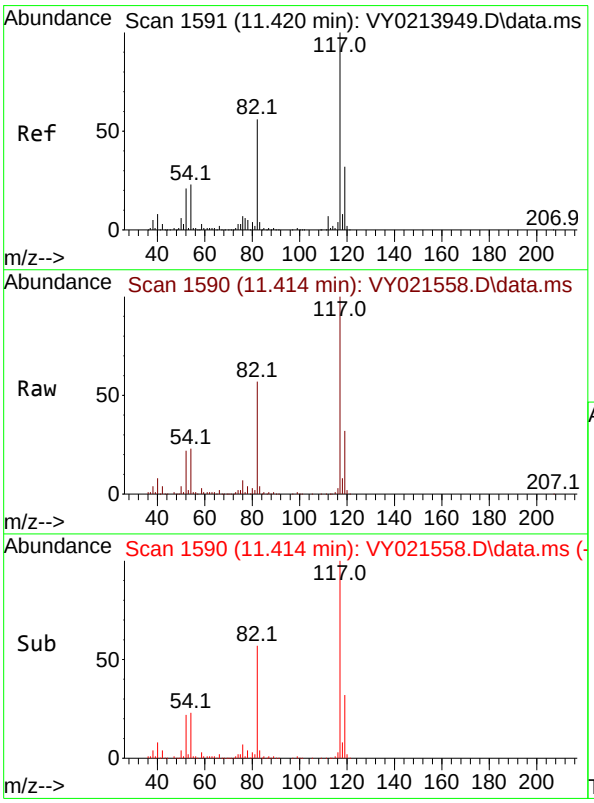
#62
4-Bromofluorobenzene
Concen: 41.684 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021558.D
Acq: 18 Mar 2025 11:52

Instrument :
MSVOA_Y
ClientSampleId :
20071

Tgt Ion: 95 Resp: 153034

Ion	Ratio	Lower	Upper
95	100		
174	83.2	0.0	165.0
176	79.9	0.0	160.0

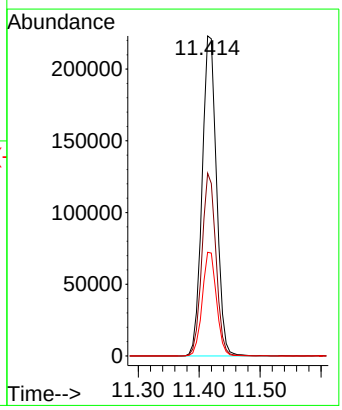


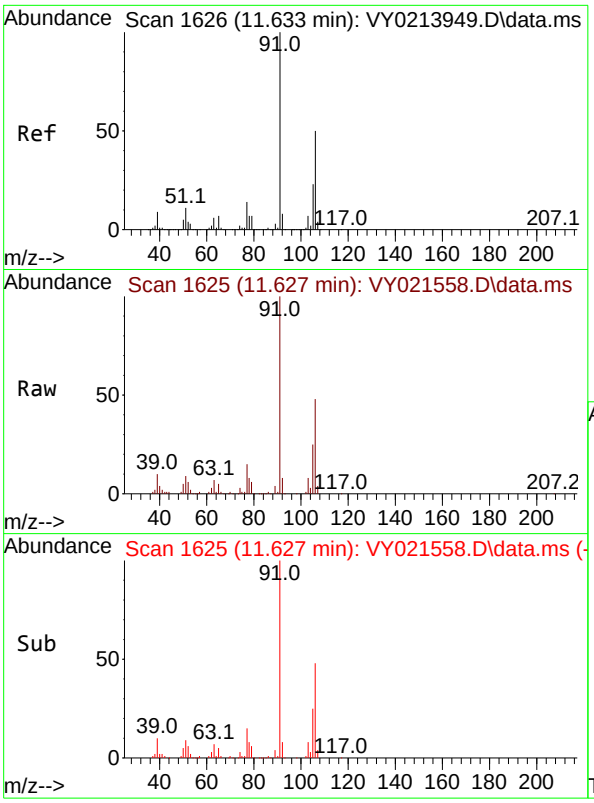


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021558.D
Acq: 18 Mar 2025 11:52

Tgt Ion:117 Resp: 367381

Ion	Ratio	Lower	Upper
117	100		
82	57.1	44.6	67.0
119	32.4	25.4	38.0



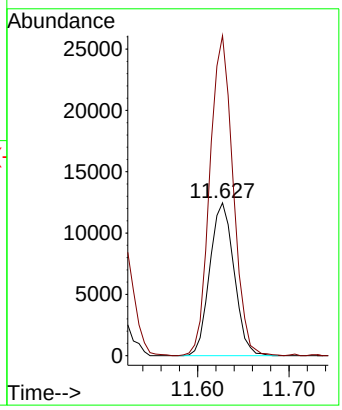


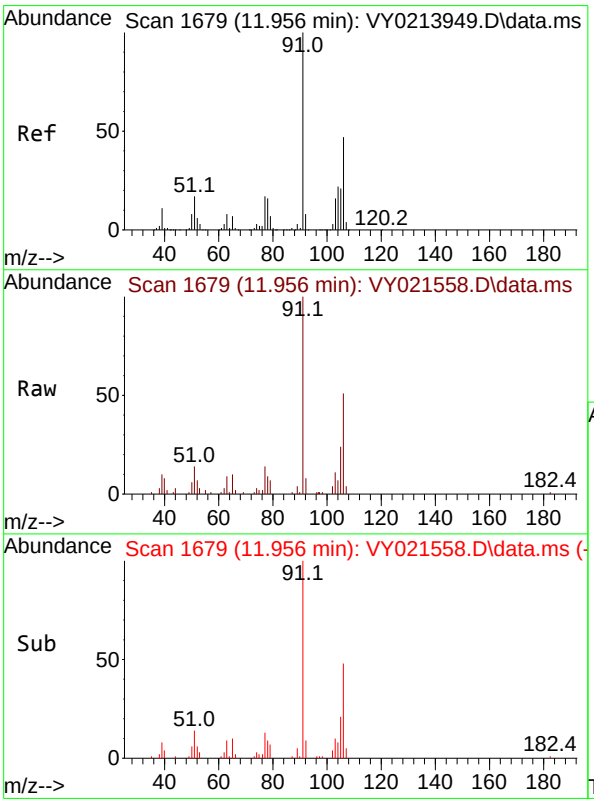
#68
m/p-Xylenes
Concen: 3.974 ug/l
RT: 11.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021558.D
Acq: 18 Mar 2025 11:52

Instrument :
MSVOA_Y
ClientSampleId :
20071

Tgt Ion:106 Resp: 22973

Ion	Ratio	Lower	Upper
106	100		
91	200.7	161.7	242.5

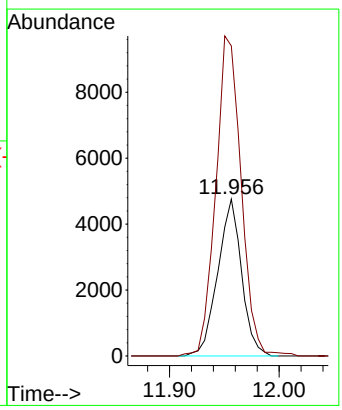


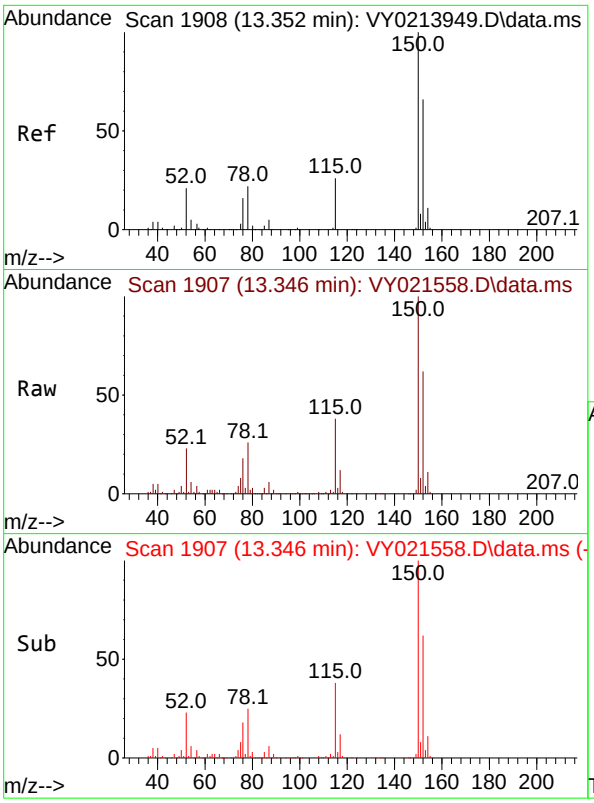


#69
o-Xylene
Concen: 1.351 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021558.D
Acq: 18 Mar 2025 11:52

Tgt Ion:106 Resp: 7196

Ion	Ratio	Lower	Upper
106	100		
91	217.1	107.6	322.8



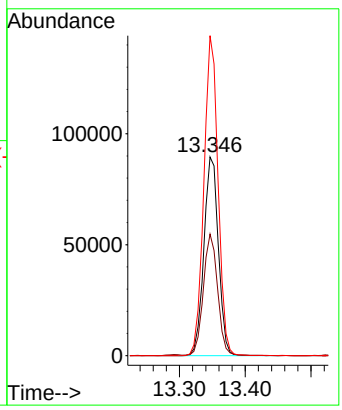


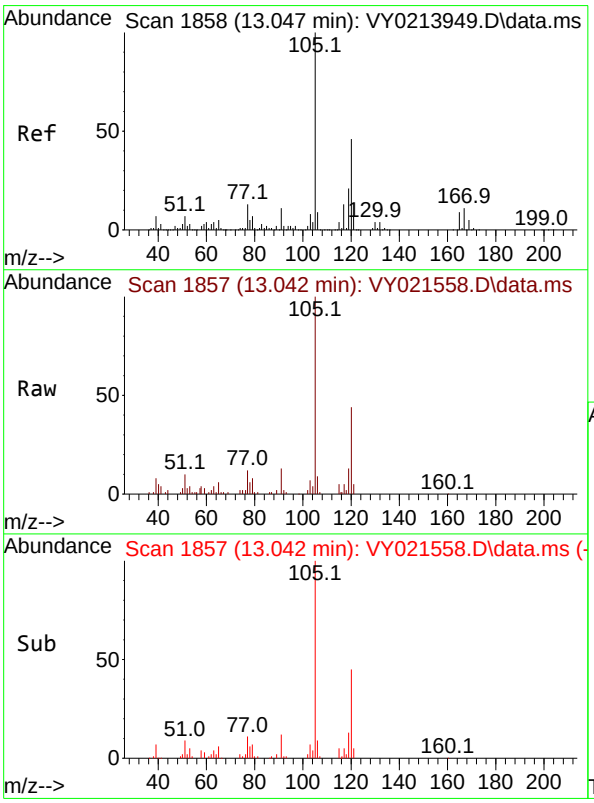
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021558.D
Acq: 18 Mar 2025 11:52

Instrument :
MSVOA_Y
ClientSampleId :
20071

Tgt Ion:152 Resp: 137683

Ion	Ratio	Lower	Upper
152	100		
115	59.7	29.0	87.0
150	156.8	0.0	347.2





#84
1,2,4-Trimethylbenzene
Concen: 2.393 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VY021558.D
Acq: 18 Mar 2025 11:52

Tgt Ion:105 Resp: 20940

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.7	68.1