Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021479.D
Acq On : 11 Mar 2025 12:24
Operator : SY/MD
Sample : Q1507-01
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
50-MIDDLESEX-AVE

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

Quant Time: Mar 12 01:24:04 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	7.713	168	2091	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	2412	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	782	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	247	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	1063	48.098	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.200%			
35) Dibromofluoromethane	7.622	113	853m	53.802	ug/l	-0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.600%			
50) Toluene-d8	10.109	98	1981	33.000	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 66.000%			
62) 4-Bromofluorobenzene	12.414	95	259	12.684	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 25.360%#			
Target Compounds						Qvalue
3) Chloromethane	2.068	50	646	23.879	ug/l	98
5) Bromomethane	2.623	94	1012	47.363	ug/l #	79
10) Methyl Iodide	4.007	142	1780	74.327	ug/l #	65

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

Quantitation Report (LSC Reviewed)

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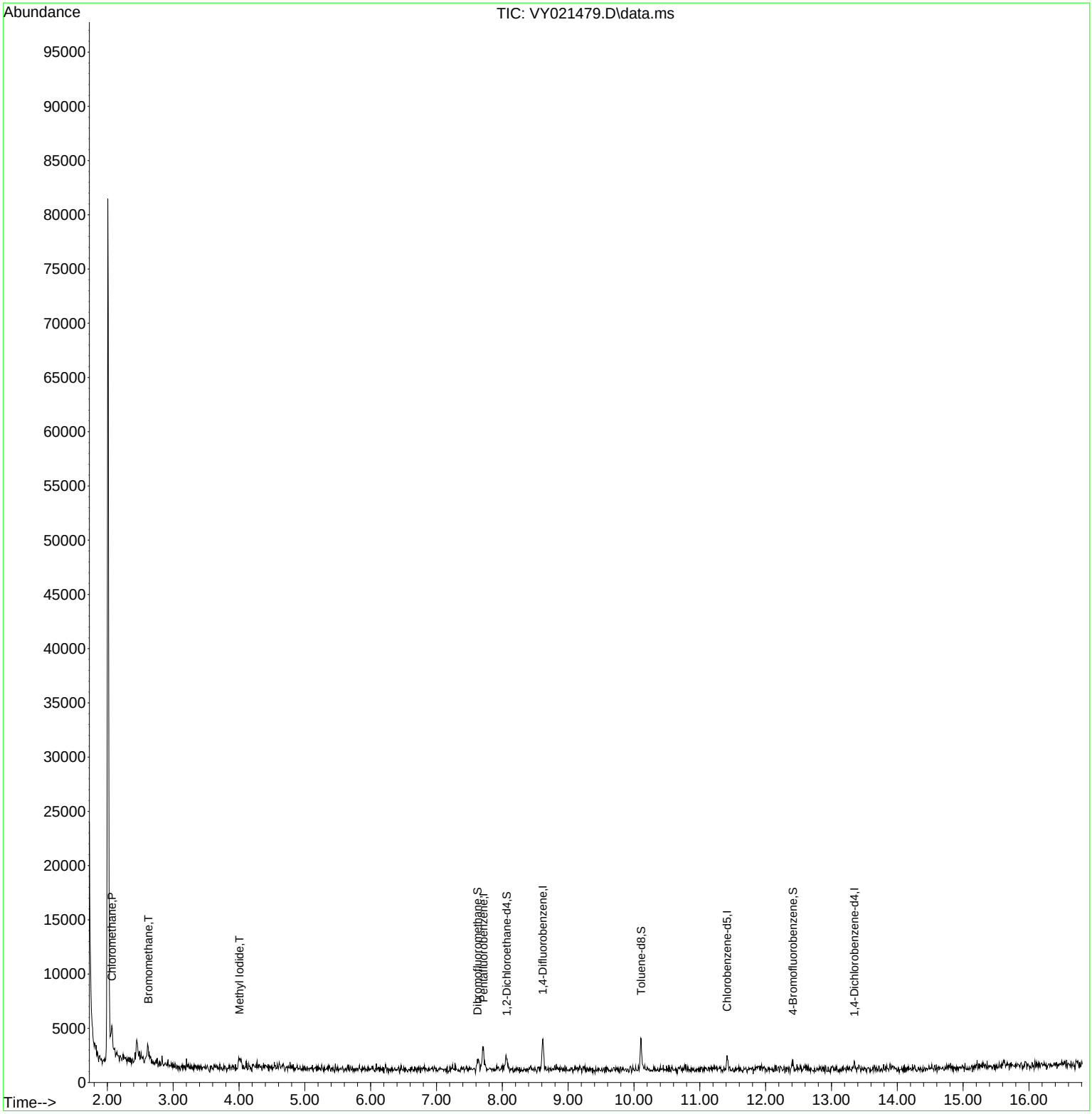

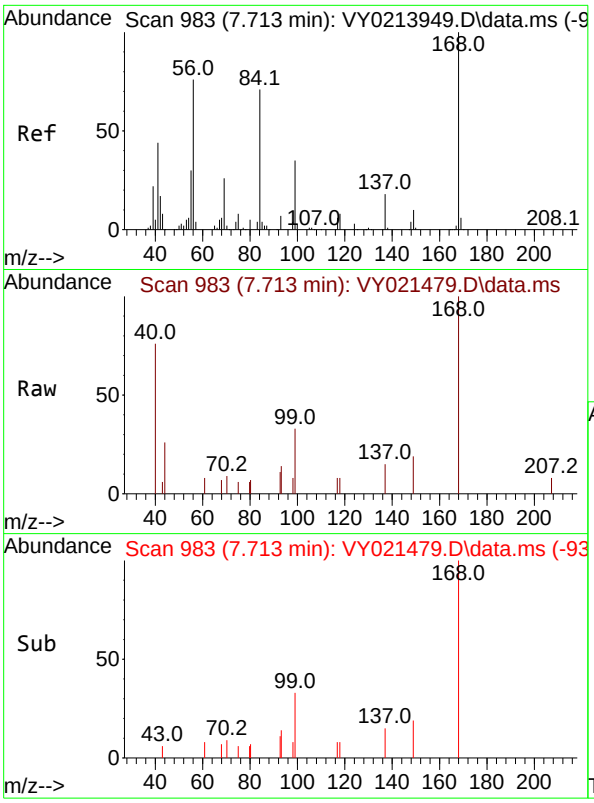

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021479.D
Acq: 11 Mar 2025 12:24

Tgt Ion:168 Resp: 209

Ion	Ratio	Lower	Upper
168	100		
99	32.6	46.0	69.0#

Instrument :
MSVOA_Y
ClientSampleId :
50-MIDDLESEX-AVE

Manual Integrations
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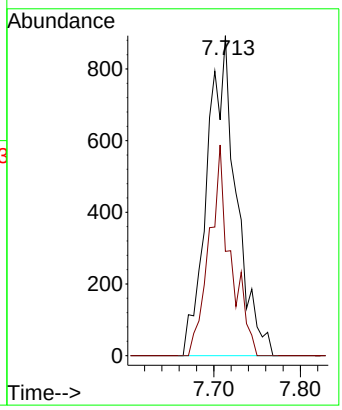
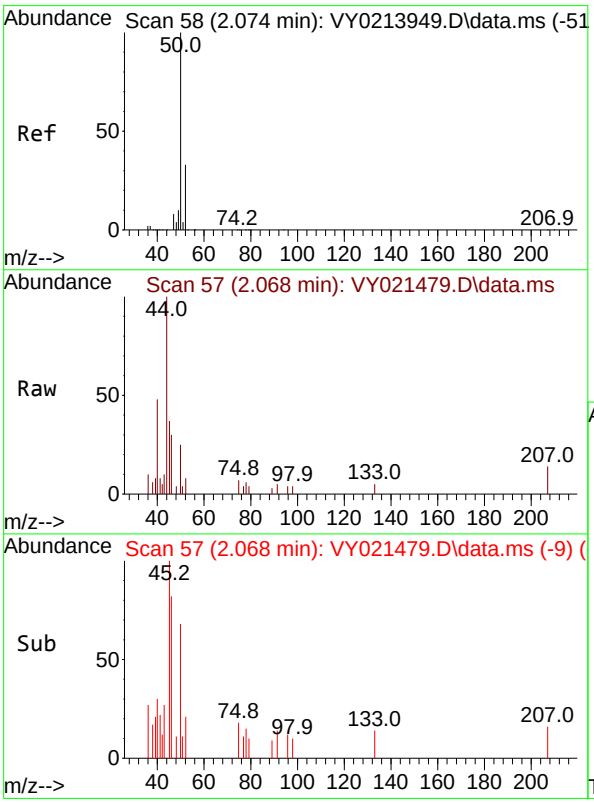
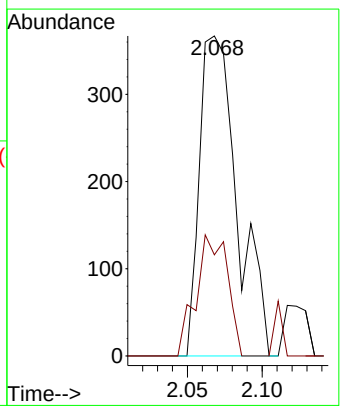


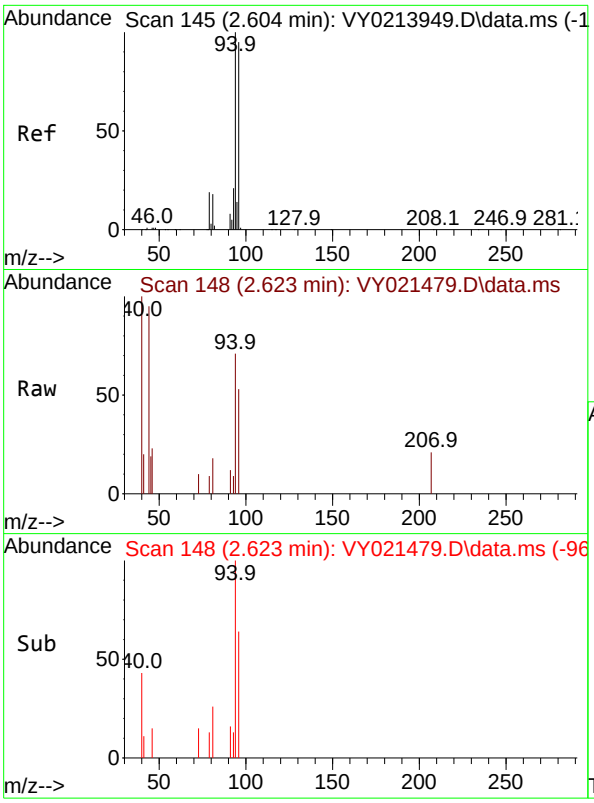


#3
Chloromethane
Concen: 23.879 ug/l
RT: 2.068 min Scan# 57
Delta R.T. -0.006 min
Lab File: VY021479.D
Acq: 11 Mar 2025 12:24

Tgt Ion: 50 Resp: 646

Ion	Ratio	Lower	Upper
50	100		
52	31.6	26.2	39.2





#5
Bromomethane
Concen: 47.363 ug/l
RT: 2.623 min Scan# 14
Delta R.T. 0.019 min
Lab File: VY021479.D
Acq: 11 Mar 2025 12:24

Tgt Ion: 94 Resp: 101

Ion	Ratio	Lower	Upper
94	100		
96	74.9	76.3	114.5#

Instrument :
MSVOA_Y
ClientSampleId :
50-MIDDLESEX-AVE

Manual Integrations
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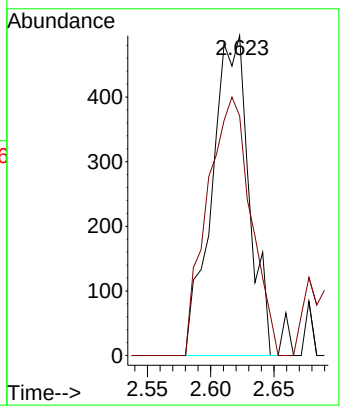
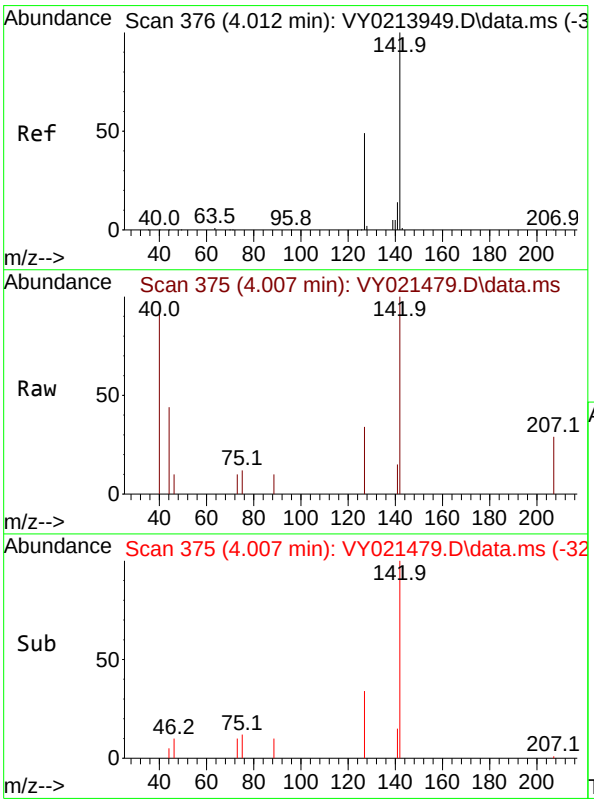
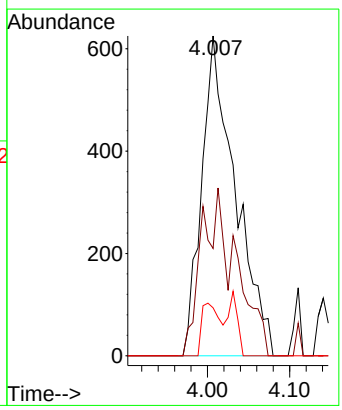


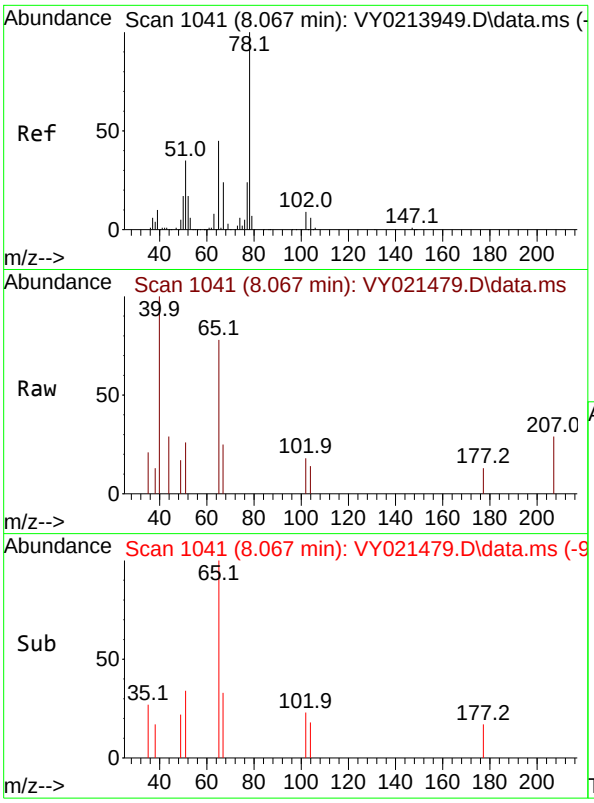


#10
Methyl Iodide
Concen: 74.327 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.006 min
Lab File: VY021479.D
Acq: 11 Mar 2025 12:24

Tgt Ion:142 Resp: 1780

Ion	Ratio	Lower	Upper
142	100		
127	21.2	39.1	58.7#
141	8.8	11.8	17.6#





#33
1,2-Dichloroethane-d4
Concen: 48.098 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021479.D
Acq: 11 Mar 2025 12:24

Tgt Ion: 65 Resp: 106

Ion	Ratio	Lower	Upper
65	100		
67	43.3	0.0	102.8

Instrument :
MSVOA_Y
ClientSampleId :
50-MIDDLESEX-AVE

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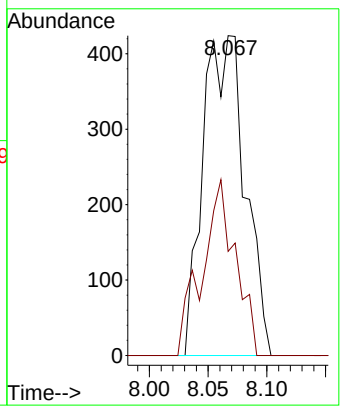
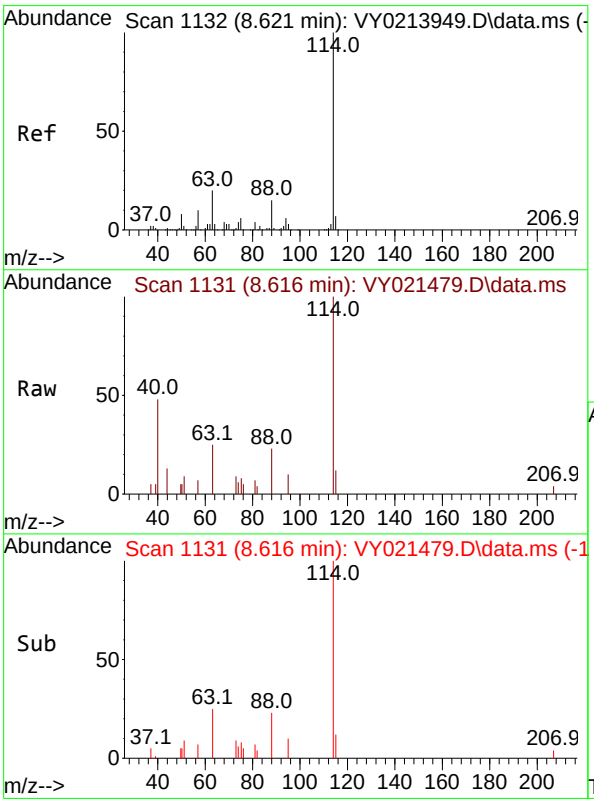
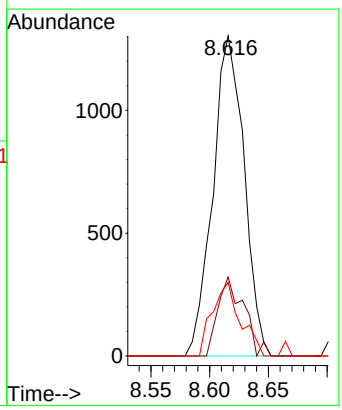


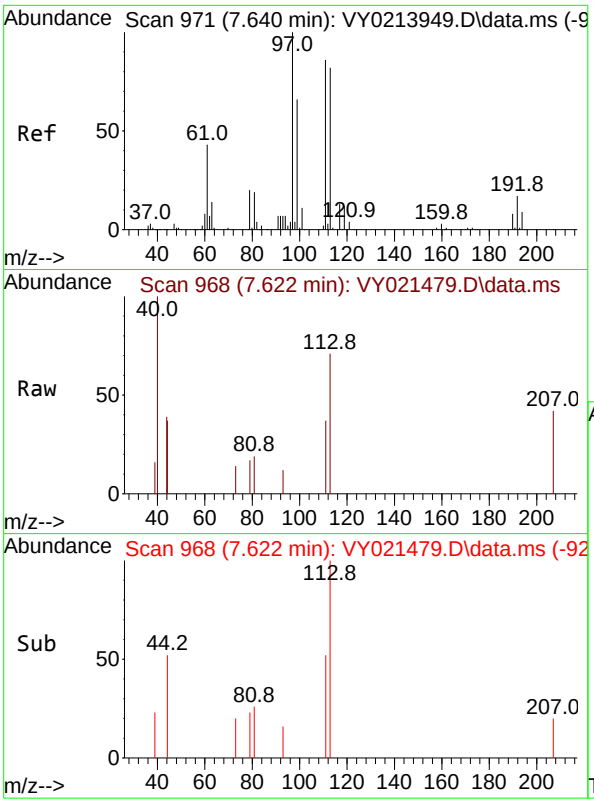


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY021479.D
Acq: 11 Mar 2025 12:24

Tgt Ion:114 Resp: 2412

Ion	Ratio	Lower	Upper
114	100		
63	24.6	0.0	40.8
88	23.0	0.0	30.8

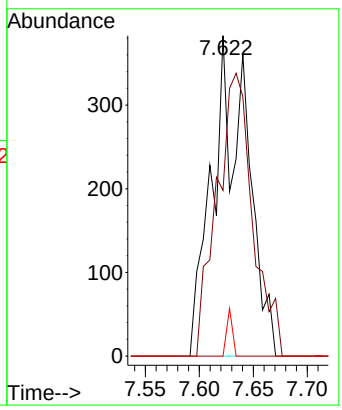




#35
Dibromofluoromethane
Concen: 53.802 ug/l m
RT: 7.622 min Scan# 9
Delta R.T. -0.018 min
Lab File: VY021479.D
Acq: 11 Mar 2025 12:24

Tgt Ion:113 Resp: 85

Ion	Ratio	Lower	Upper
113	100		
111	91.6	82.0	123.0
192	2.5	15.9	23.9#



Instrument :
MSVOA_Y
ClientSampleId :
50-MIDDLESEX-AVE

Manual Integrations
APPROVED

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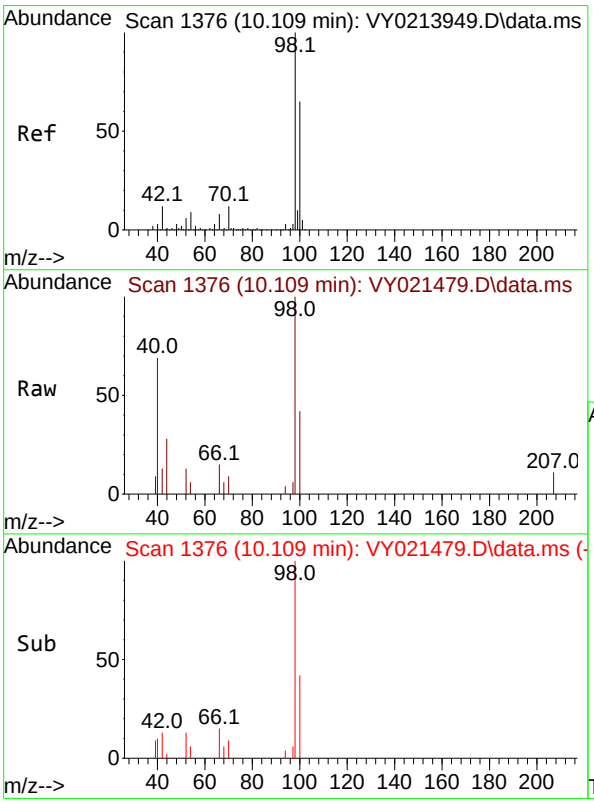
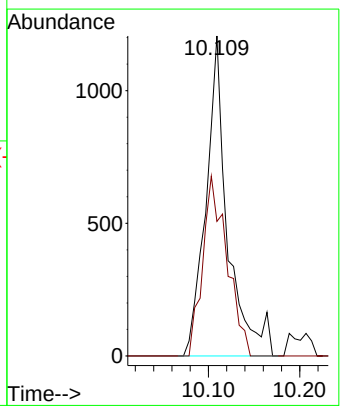
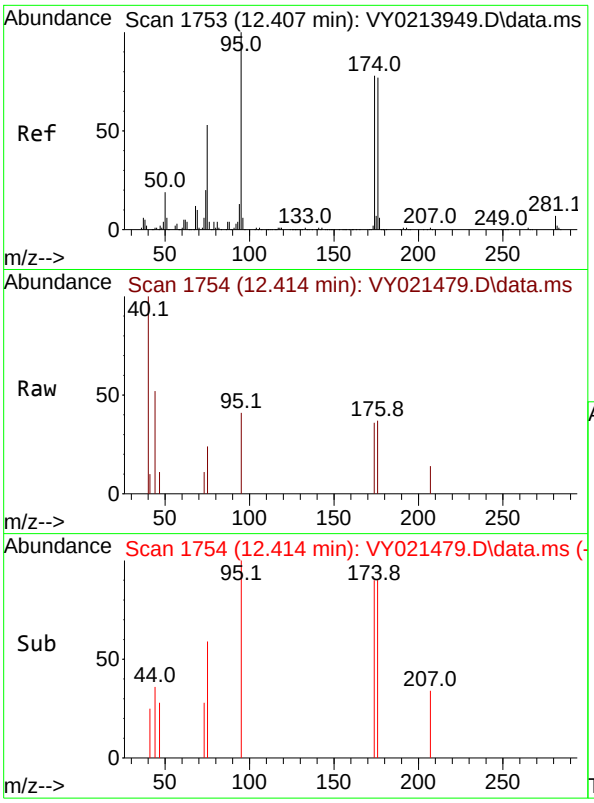


#50
Toluene-d8
Concen: 33.000 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021479.D
Acq: 11 Mar 2025 12:24

Tgt Ion: 98 Resp: 1981

Ion	Ratio	Lower	Upper
98	100		
100	63.1	52.1	78.1





#62
4-Bromofluorobenzene
Concen: 12.684 ug/l
RT: 12.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY021479.D
Acq: 11 Mar 2025 12:24

Tgt Ion: 95 Resp: 25

Ion	Ratio	Lower	Upper
95	100		
174	95.8	0.0	165.0
176	91.5	0.0	160.0

Instrument :
MSVOA_Y
ClientSampleId :
50-MIDDLESEX-AVE

Manual Integrations
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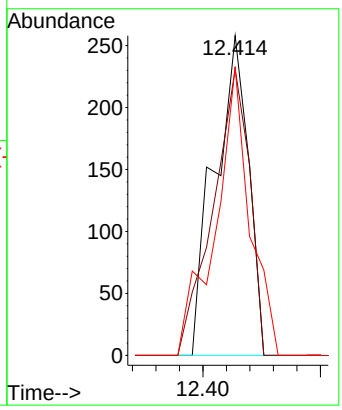
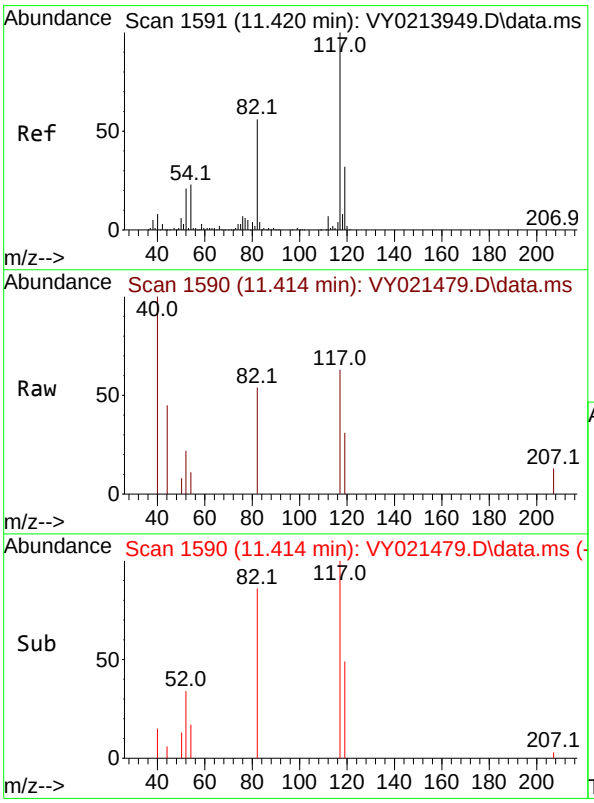
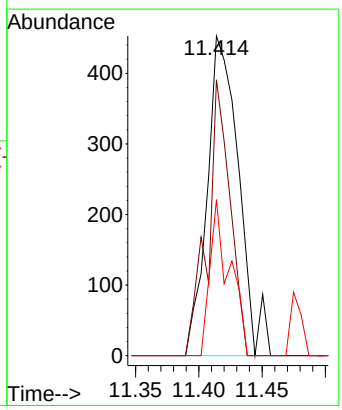


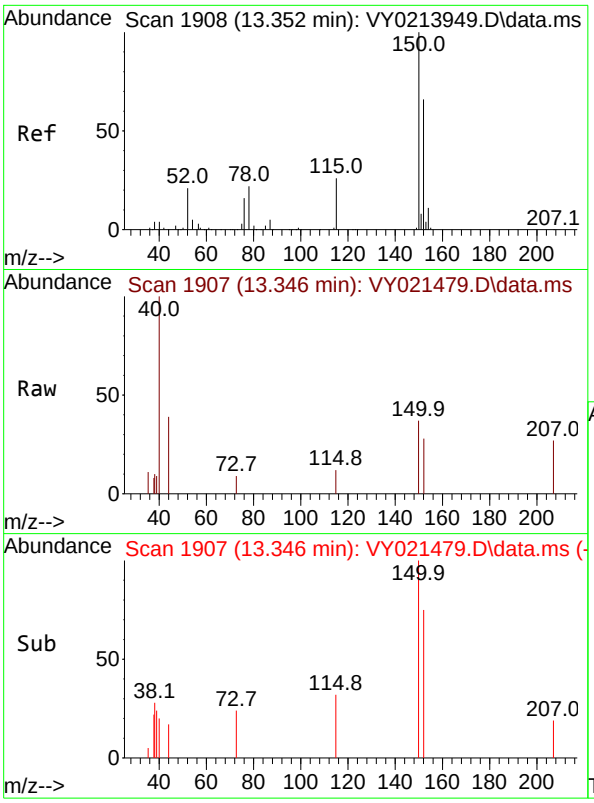


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021479.D
Acq: 11 Mar 2025 12:24

Tgt Ion:117 Resp: 782

Ion	Ratio	Lower	Upper
117	100		
82	86.3	44.6	67.0#
119	48.8	25.4	38.0#

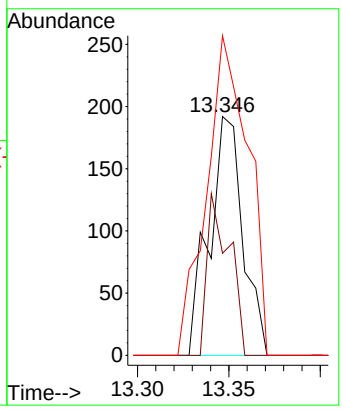




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021479.D
Acq: 11 Mar 2025 12:24

Tgt Ion:152 Resp: 24

Ion	Ratio	Lower	Upper
152	100		
115	44.9	29.0	87.0
150	165.2	0.0	347.2



Instrument :
MSVOA_Y
ClientSampleId :
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