Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103025\
Data File : VY023628.D
Acq On : 30 Oct 2025 13:26
Operator : SY/MD
Sample : Q3485-01
Misc : 6.69g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-102925

Quant Time: Oct 31 02:39:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	676809	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1178445	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	991596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	387787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	326380	57.669	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.340%			
35) Dibromofluoromethane	7.640	113	374039	51.656	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.320%			
50) Toluene-d8	10.109	98	1346819	49.945	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.880%			
62) 4-Bromofluorobenzene	12.408	95	381823	42.888	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.780%			
Target Compounds						Qvalue
52) Toluene	10.176	92	28323	1.437	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	52306	2.533	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	254914	12.369	ug/l	100
89) n-Butylbenzene	13.615	91	54512	2.686	ug/l #	76

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

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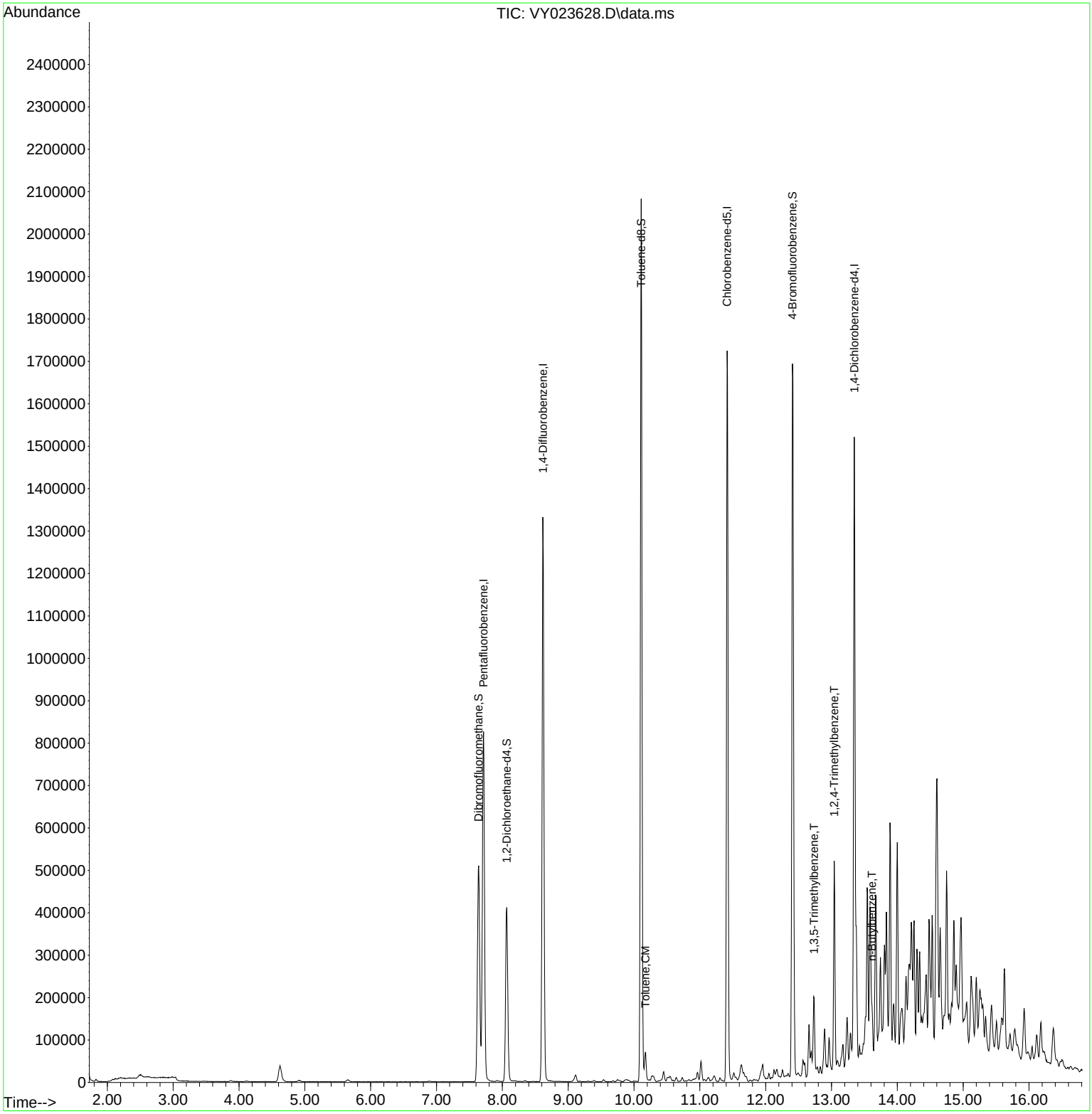
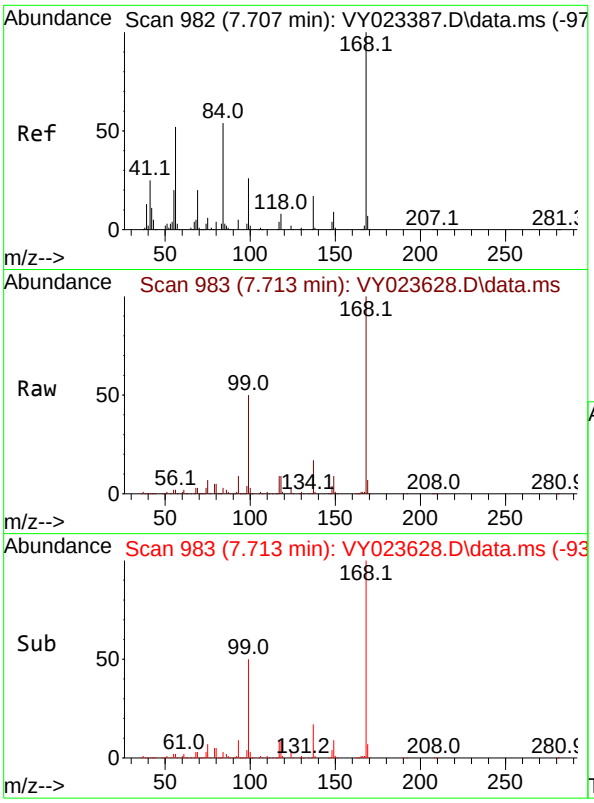


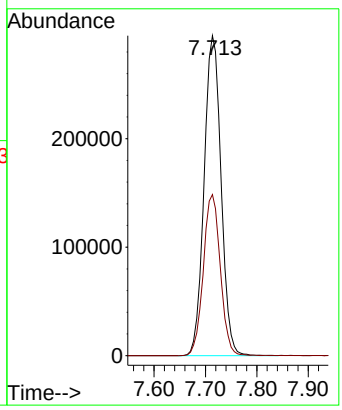


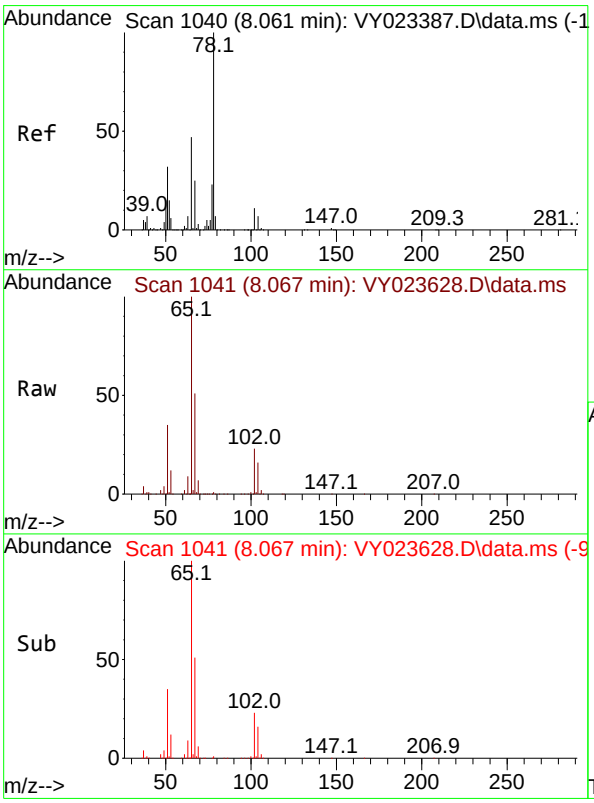
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023628.D
Acq: 30 Oct 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-102925

Tgt Ion:168 Resp: 676809

Ion	Ratio	Lower	Upper
168	100		
99	50.3	39.7	59.5

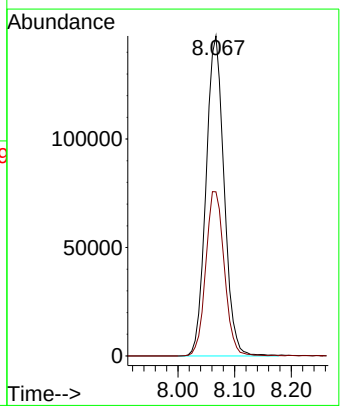


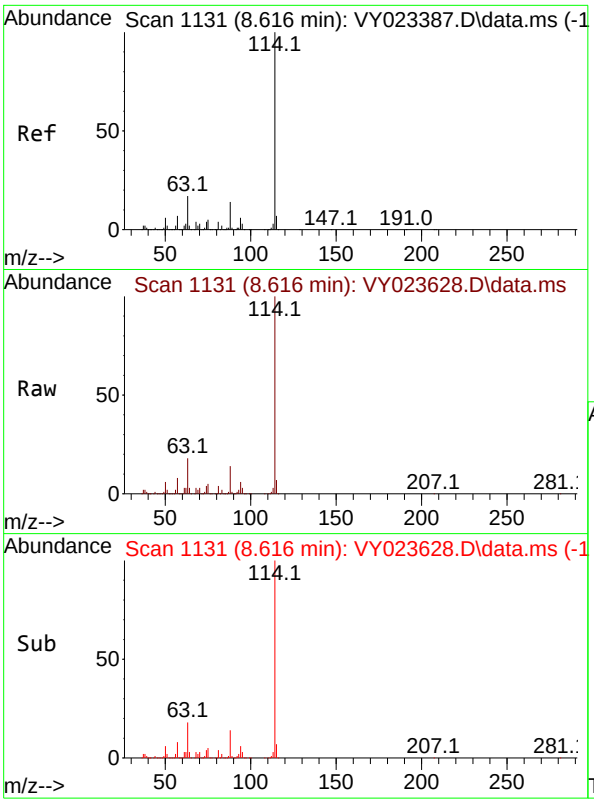


#33
1,2-Dichloroethane-d4
Concen: 57.669 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023628.D
Acq: 30 Oct 2025 13:26

Tgt Ion: 65 Resp: 326380

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	105.8



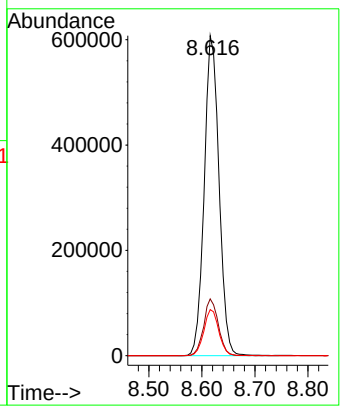


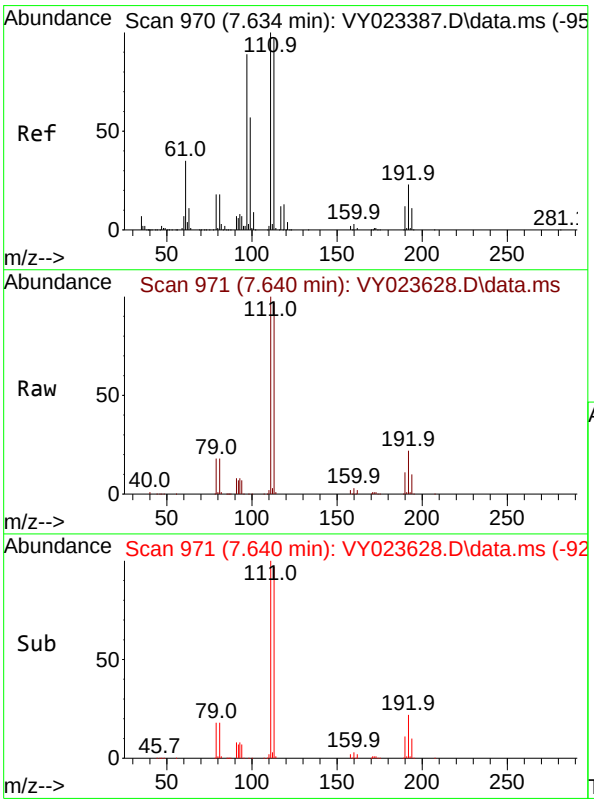
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023628.D
Acq: 30 Oct 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-102925

Tgt Ion:114 Resp: 1178445

Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	34.2
88	14.4	0.0	28.4

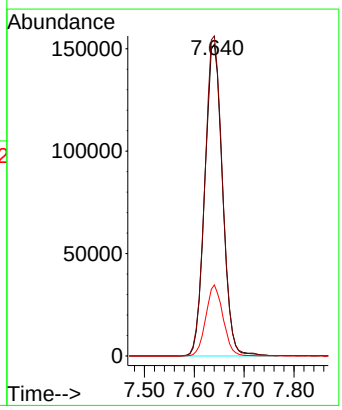


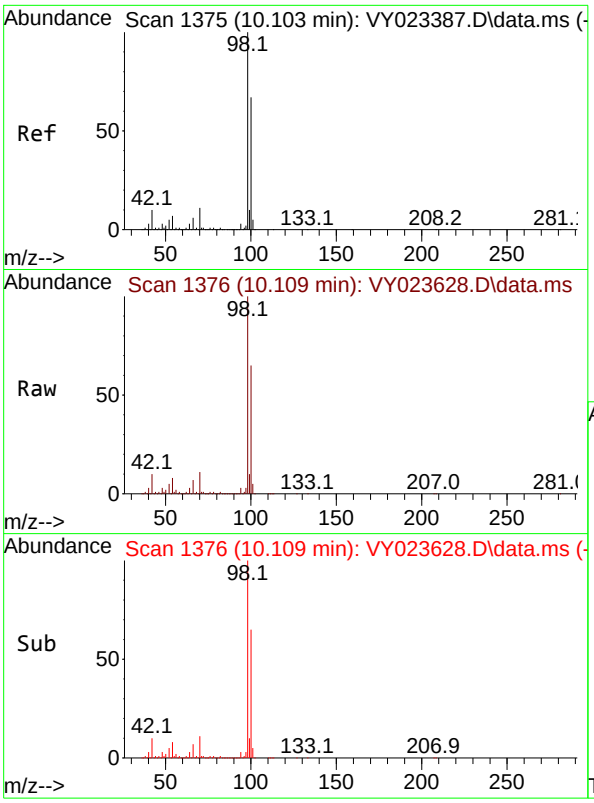


#35
Dibromofluoromethane
Concen: 51.656 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023628.D
Acq: 30 Oct 2025 13:26

Tgt Ion:113 Resp: 374039

Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.8	122.6
192	22.2	18.0	27.0



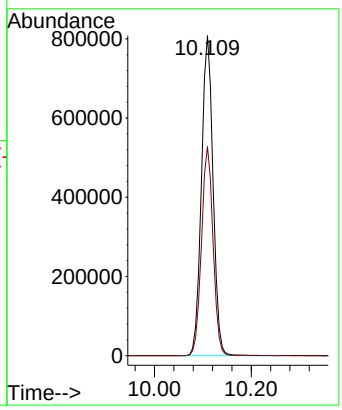


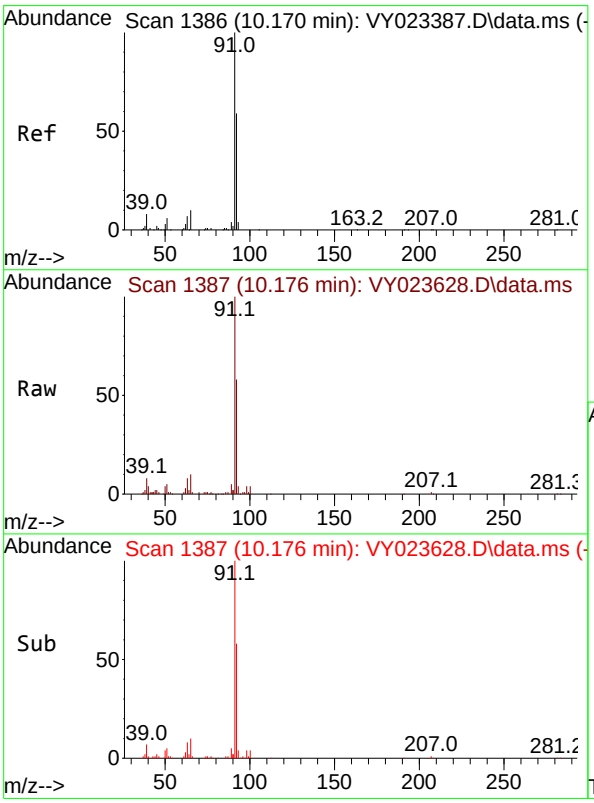
#50
Toluene-d8
Concen: 49.945 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023628.D
Acq: 30 Oct 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-102925

Tgt Ion: 98 Resp: 1346819

Ion	Ratio	Lower	Upper
98	100		
100	65.0	53.0	79.4

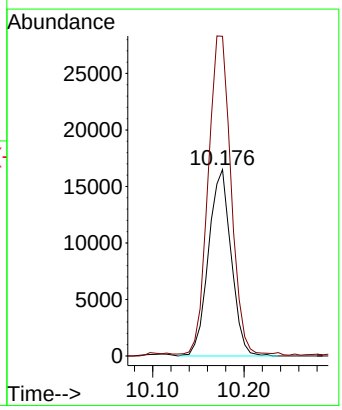


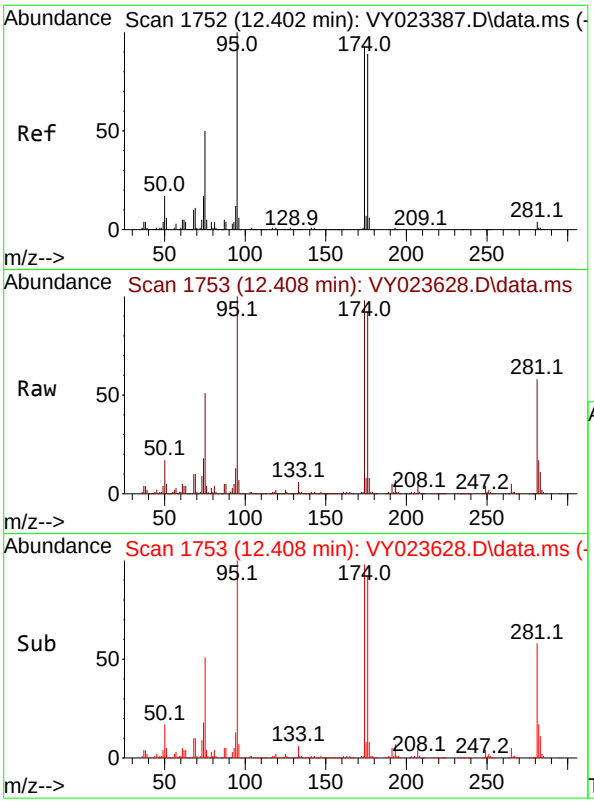


#52
Toluene
Concen: 1.437 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.006 min
Lab File: VY023628.D
Acq: 30 Oct 2025 13:26

Tgt Ion: 92 Resp: 28323

Ion	Ratio	Lower	Upper
92	100		
91	173.8	136.4	204.6



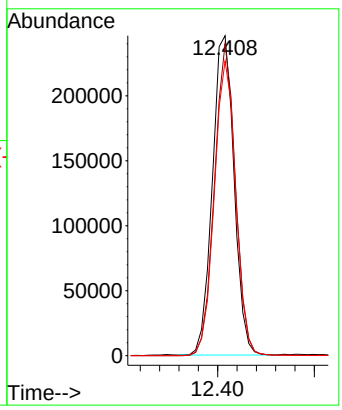


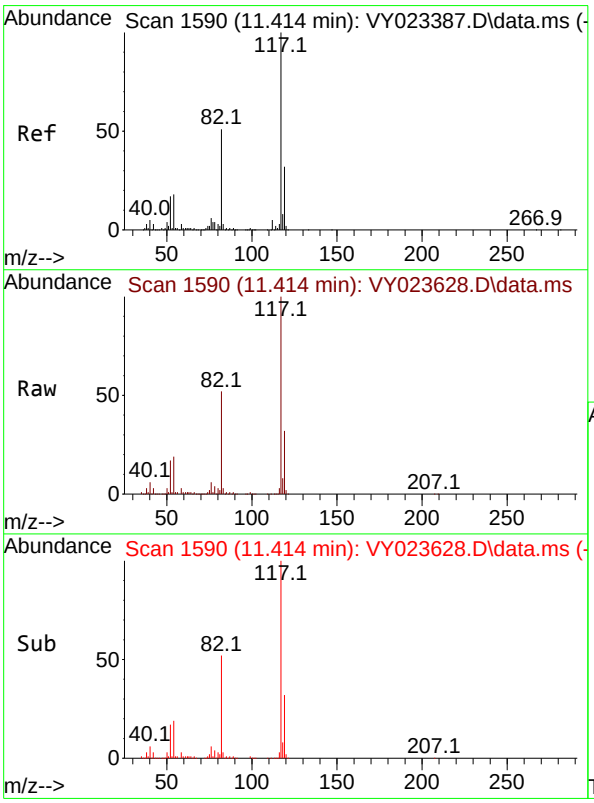
#62
4-Bromofluorobenzene
Concen: 42.888 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023628.D
Acq: 30 Oct 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-102925

Tgt Ion: 95 Resp: 381823

Ion	Ratio	Lower	Upper
95	100		
174	94.9	0.0	192.8
176	91.8	0.0	187.6

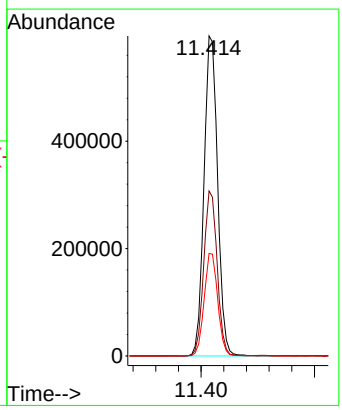


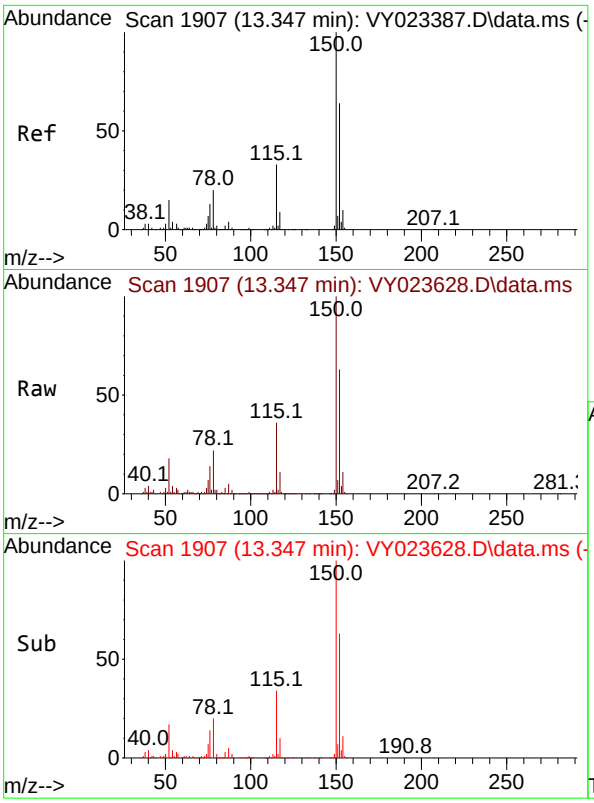


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023628.D
Acq: 30 Oct 2025 13:26

Tgt Ion:117 Resp: 991596

Ion	Ratio	Lower	Upper
117	100		
82	51.5	41.0	61.4
119	32.0	25.6	38.4



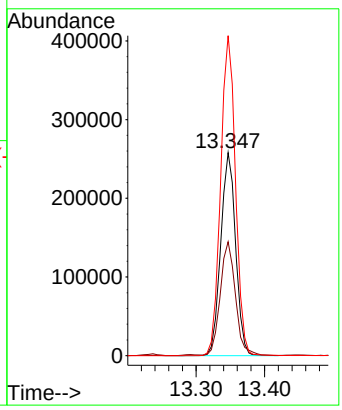


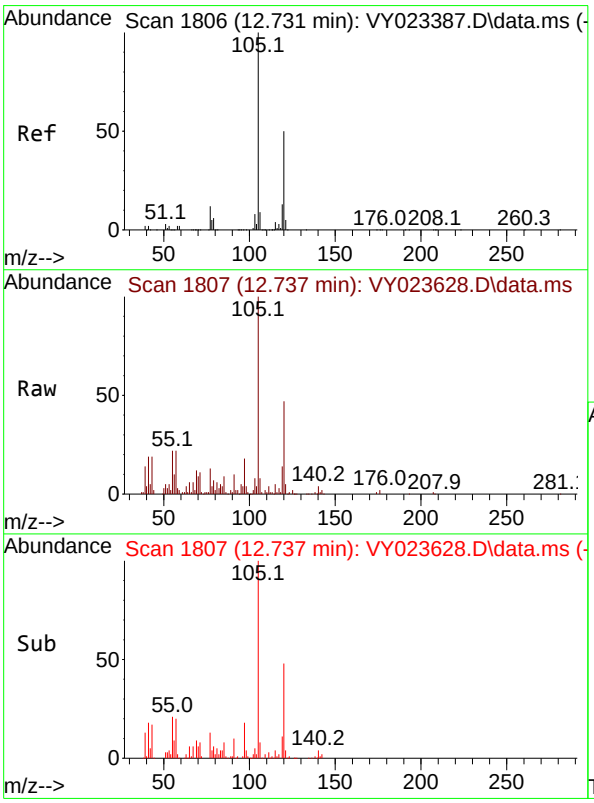
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023628.D
Acq: 30 Oct 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-102925

Tgt Ion:152 Resp: 387787

Ion	Ratio	Lower	Upper
152	100		
115	57.0	27.1	81.2
150	157.3	0.0	347.4

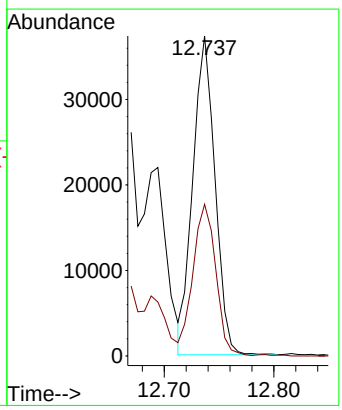


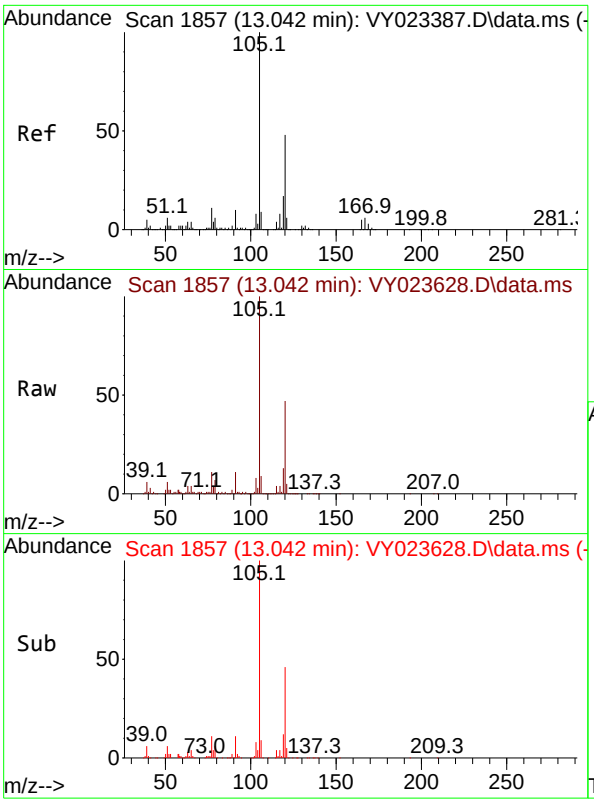


#80
1,3,5-Trimethylbenzene
Concen: 2.533 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023628.D
Acq: 30 Oct 2025 13:26

Tgt Ion:105 Resp: 52306

Ion	Ratio	Lower	Upper
105	100		
120	48.9	25.4	76.4



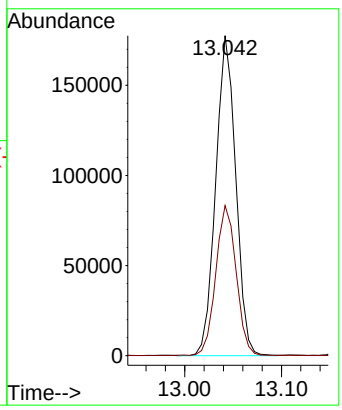


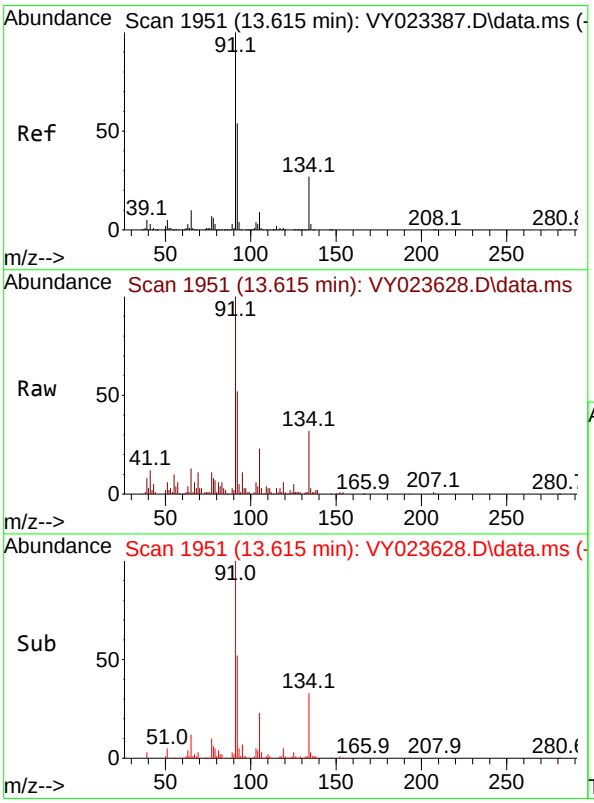
#84
1,2,4-Trimethylbenzene
Concen: 12.369 ug/l
RT: 13.042 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023628.D
Acq: 30 Oct 2025 13:26

Instrument :
MSVOA_Y
ClientSampleId :
TR-04-102925

Tgt Ion:105 Resp: 254914

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.8	71.2





#89
n-Butylbenzene
Concen: 2.686 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. 0.000 min
Lab File: VY023628.D
Acq: 30 Oct 2025 13:26

Tgt Ion: 91 Resp: 54512

Ion	Ratio	Lower	Upper
91	100		
92	60.5	27.0	80.8
134	0.0	14.1	42.2#