Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
Data File : VY023916.D
Acq On : 09 Dec 2025 18:14
Operator : SY/MD
Sample : Q3809-13
Misc : 2.98g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SW-10

Quant Time: Dec 10 02:32:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	150734	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	243230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	213434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	84129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	87290	57.889	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.780%			
35) Dibromofluoromethane	7.640	113	89495	57.368	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.740%			
50) Toluene-d8	10.115	98	274011	45.137	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 90.280%			
62) 4-Bromofluorobenzene	12.407	95	80001	38.637	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 77.280%			
Target Compounds						Qvalue
10) Methyl Iodide	4.025	142	527	2.731	ug/l #	62
11) Tert butyl alcohol	4.884	59	26	Below Cal	#	74
16) Acetone	3.866	43	7749	17.150	ug/l #	87
17) Carbon Disulfide	4.116	76	14045	3.274	ug/l	97
20) Methylene Chloride	4.628	84	5597	1.632	ug/l #	83
31) Cyclohexane	7.719	56	3093	1.095	ug/l #	2
36) 1,1-Dichloropropene	7.719	75	9954	4.327	ug/l #	50
38) Carbon Tetrachloride	7.719	117	13486	5.312	ug/l #	15
51) 4-Methyl-2-Pentanone	10.109	43	1101	1.054	ug/l #	1
52) Toluene	10.176	92	53960	12.393	ug/l	94
56) Ethyl methacrylate	10.414	69	59	4.182	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.518	63	23	14.746	ug/l #	47
67) Ethyl Benzene	11.523	91	55610	6.603	ug/l	95
68) m/p-Xylenes	11.633	106	88444	27.476	ug/l	97
69) o-Xylene	11.956	106	25543	8.484	ug/l	98
76) 1,2,3-Trichloropropane	12.407	75	40221	48.225	ug/l #	100
78) n-propylbenzene	12.596	91	16909	2.261	ug/l	100
79) 2-Chlorotoluene	12.663	91	9212	2.169	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.743	105	14396	2.858	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.407	75	40221	115.503	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.047	105	49836	9.988	ug/l	96
85) sec-Butylbenzene	13.047	105	49836	7.379	ug/l #	56

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

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Quant Time: Dec 10 02:32:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
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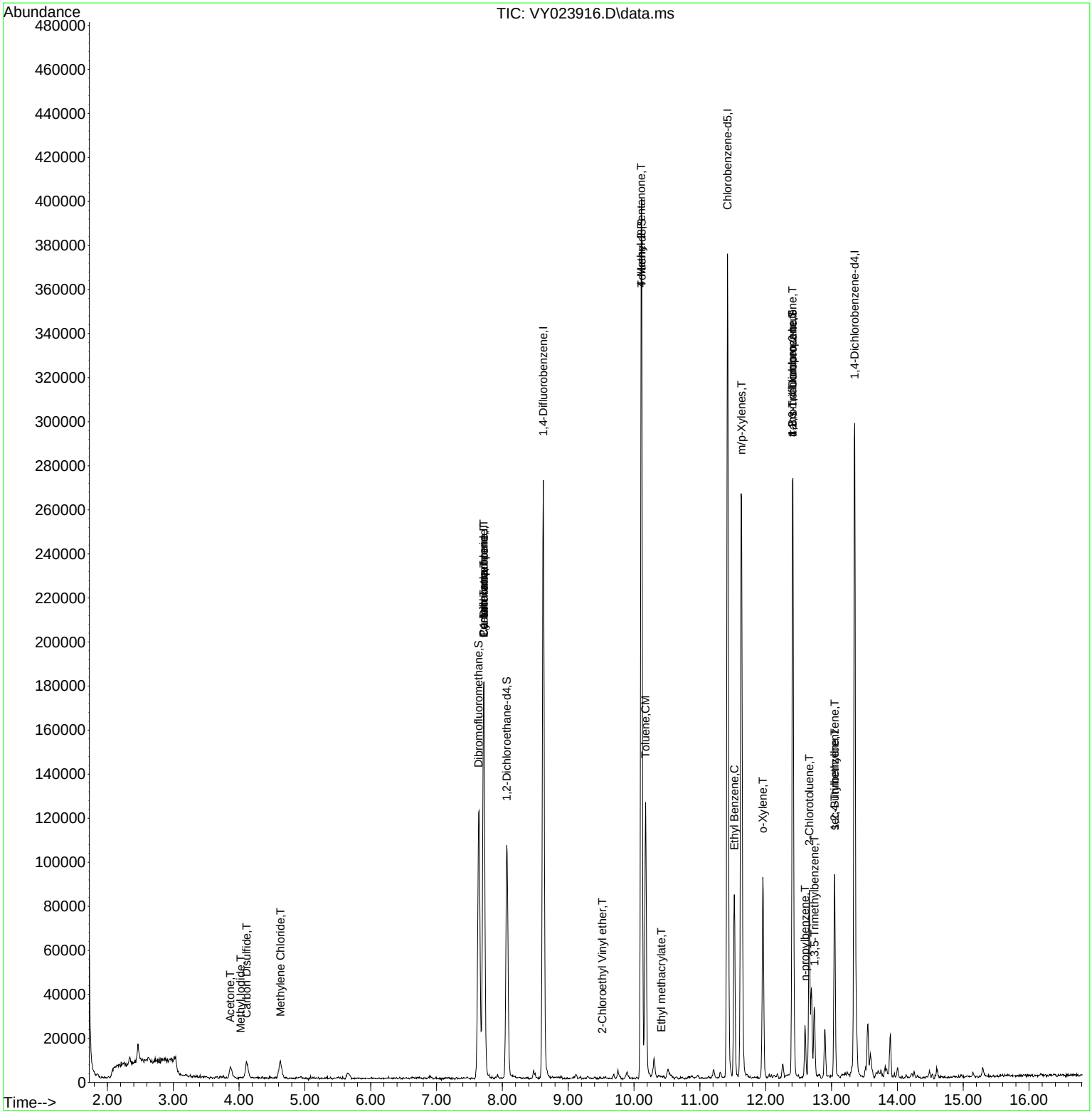
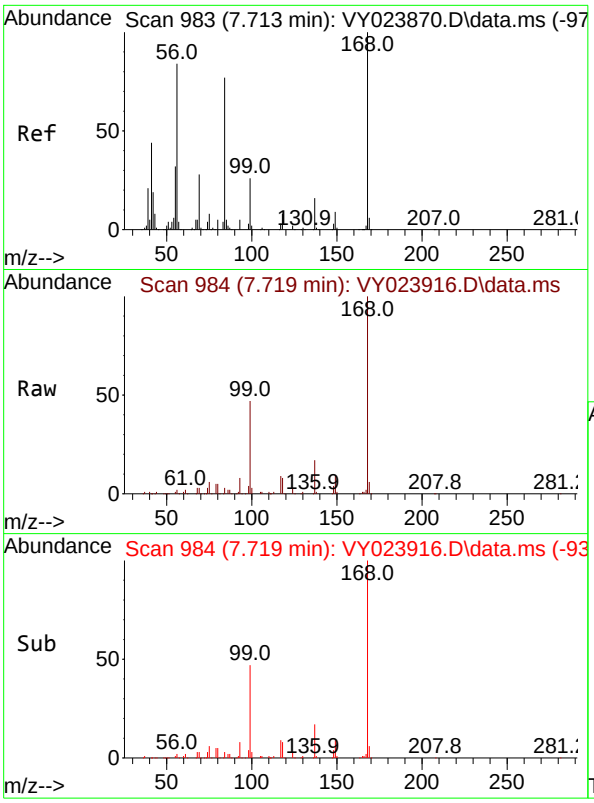


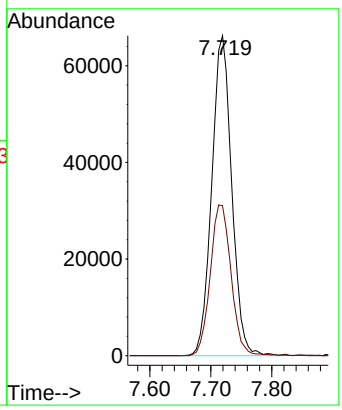


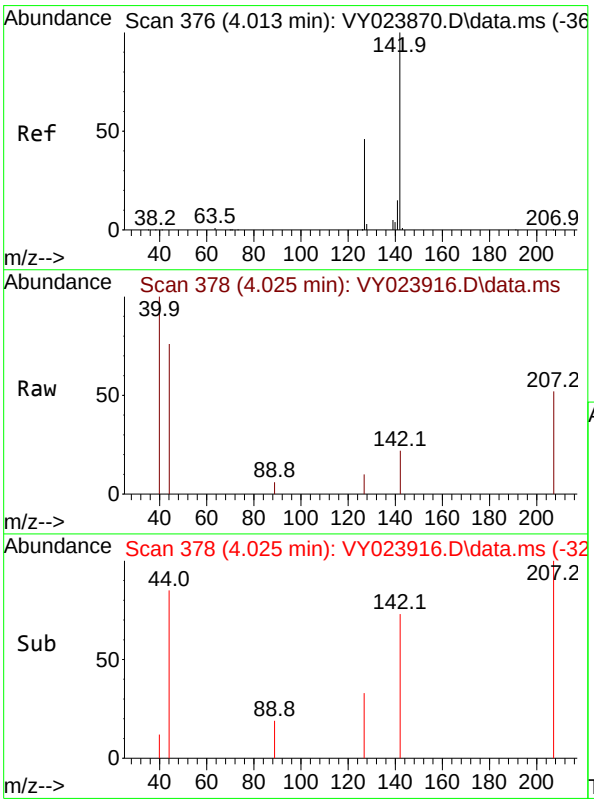
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Instrument :
MSVOA_Y
ClientSampleId :
SW-10

Tgt Ion:168 Resp: 150734

Ion	Ratio	Lower	Upper
168	100		
99	46.9	42.5	63.7

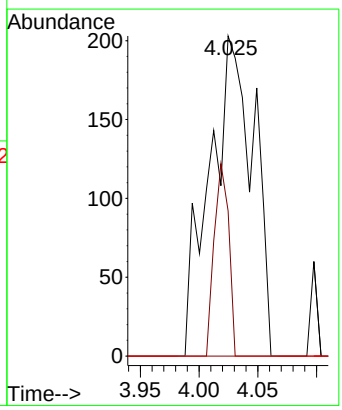


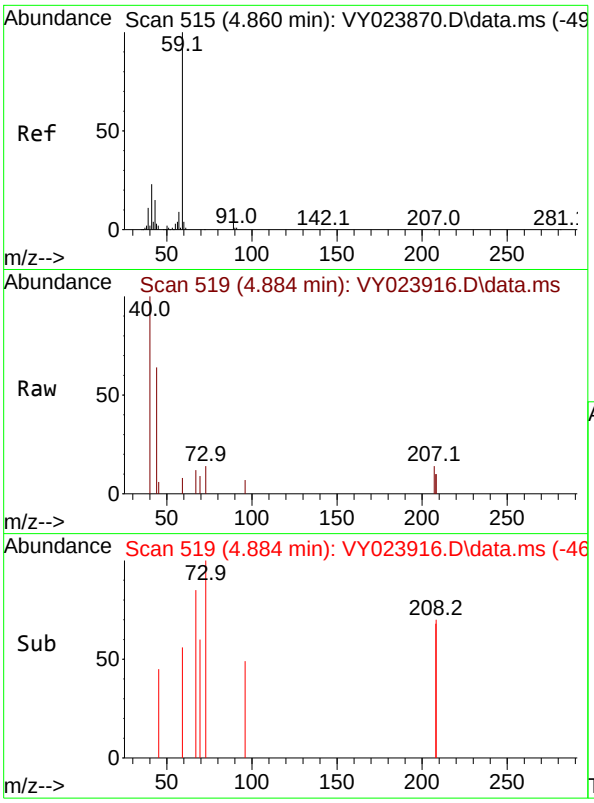


#10
Methyl Iodide
Concen: 2.731 ug/l
RT: 4.025 min Scan# 378
Delta R.T. 0.012 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Tgt Ion:142 Resp: 527

Ion	Ratio	Lower	Upper
142	100		
127	19.9	36.1	54.1#
141	0.0	11.8	17.8#



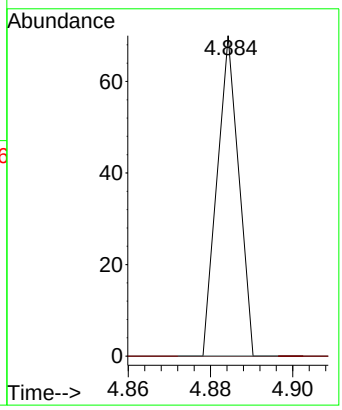


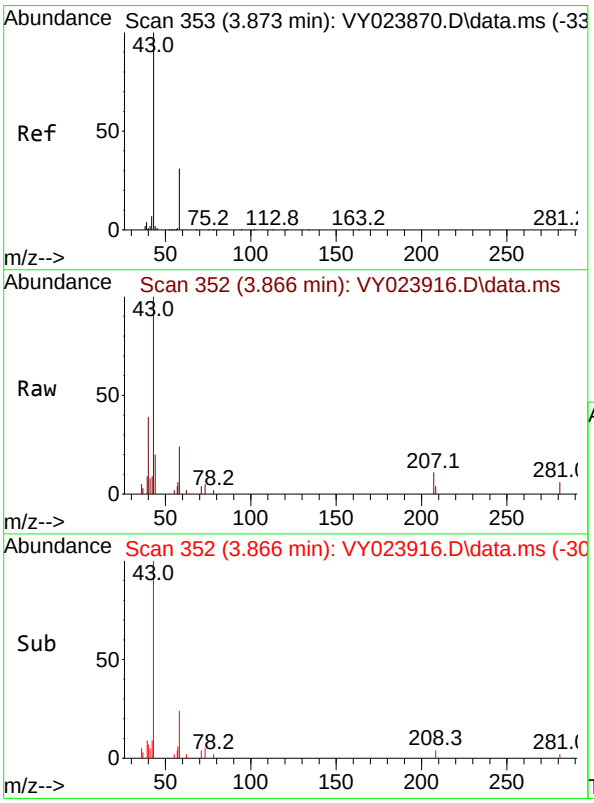
#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.884 min Scan# 5
Delta R.T. 0.024 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Instrument :
MSVOA_Y
ClientSampleId :
SW-10

Tgt Ion: 59 Resp: 26

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.7	11.5#

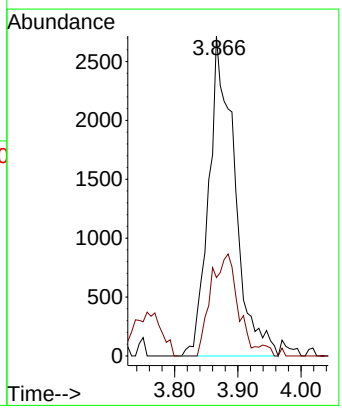


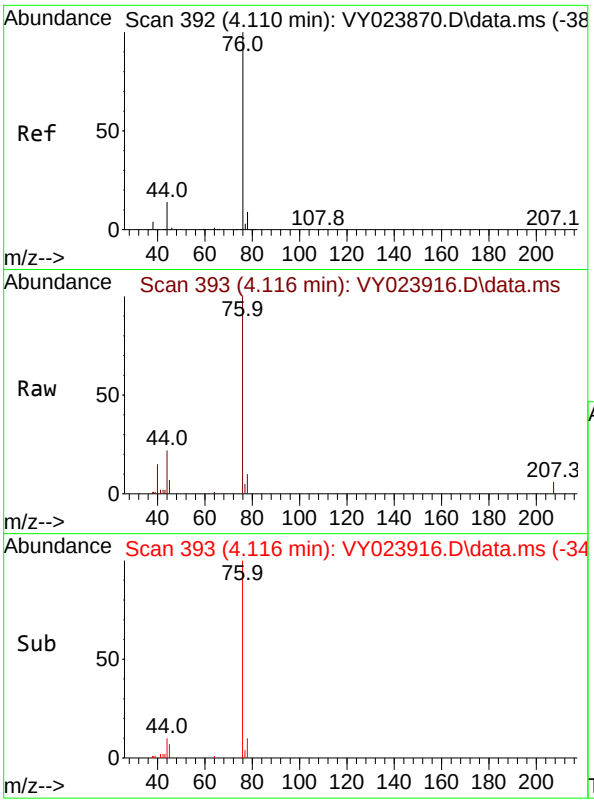


#16
Acetone
Concen: 17.150 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Tgt Ion: 43 Resp: 7749

Ion	Ratio	Lower	Upper
43	100		
58	24.5	25.1	37.7#



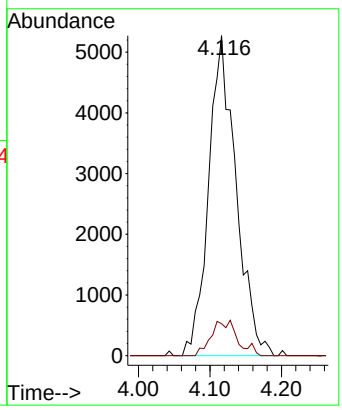


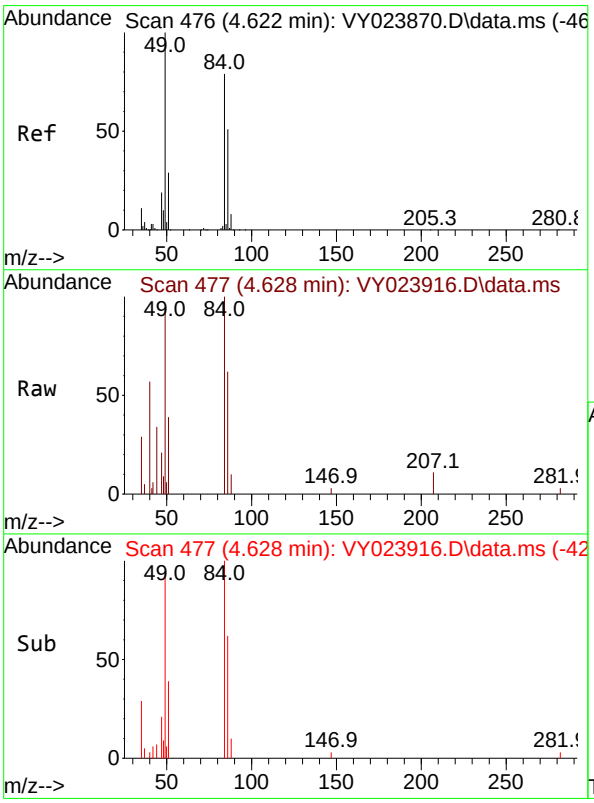
#17
Carbon Disulfide
Concen: 3.274 ug/l
RT: 4.116 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Instrument :
MSVOA_Y
ClientSampleId :
SW-10

Tgt Ion: 76 Resp: 14045

Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.1	10.7

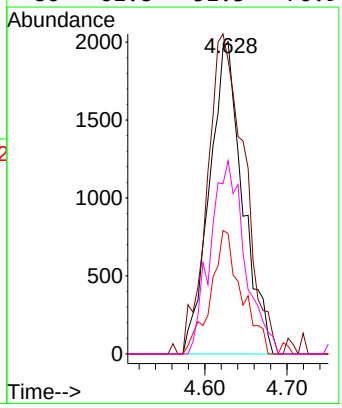


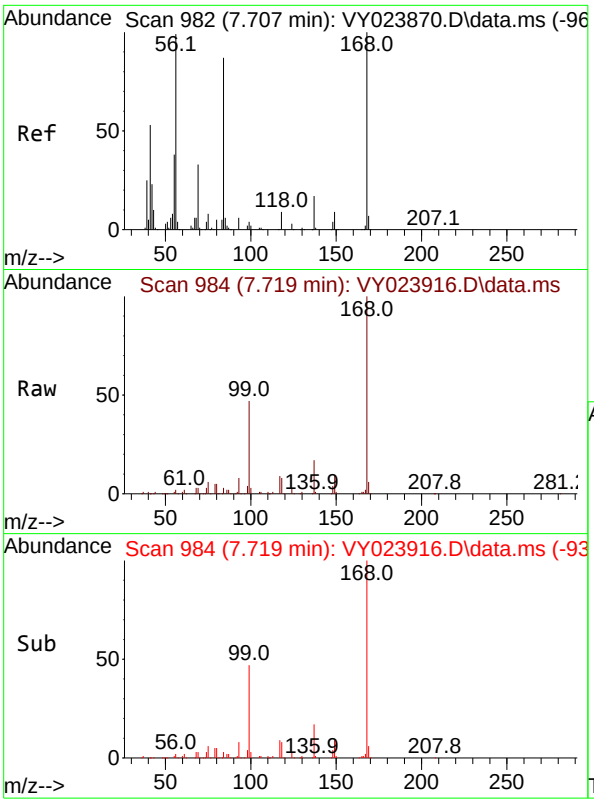


#20
Methylene Chloride
Concen: 1.632 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Tgt Ion: 84 Resp: 5597

Ion	Ratio	Lower	Upper
84	100		
49	94.1	100.6	151.0#
51	38.5	29.0	43.6
86	61.8	51.3	76.9



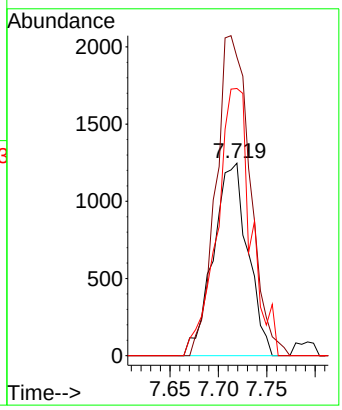


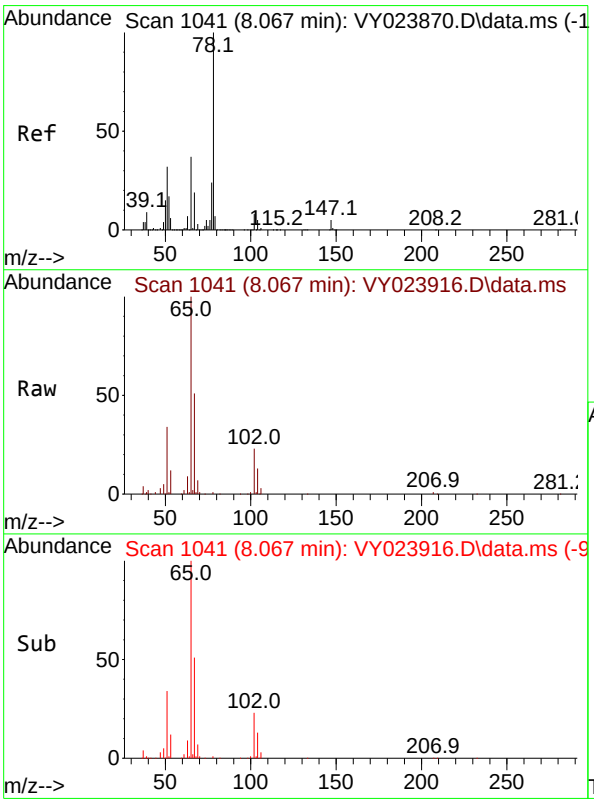
#31
Cyclohexane
Concen: 1.095 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Instrument :
MSVOA_Y
ClientSampleId :
SW-10

Tgt Ion: 56 Resp: 3093

Ion	Ratio	Lower	Upper
56	100		
69	155.1	26.8	40.2#
84	138.8	70.4	105.6#

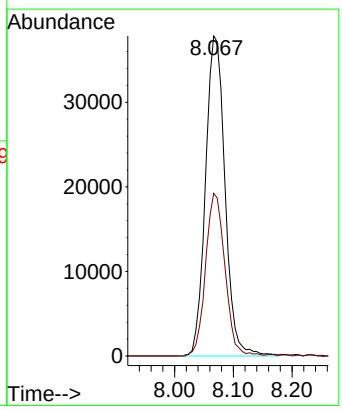


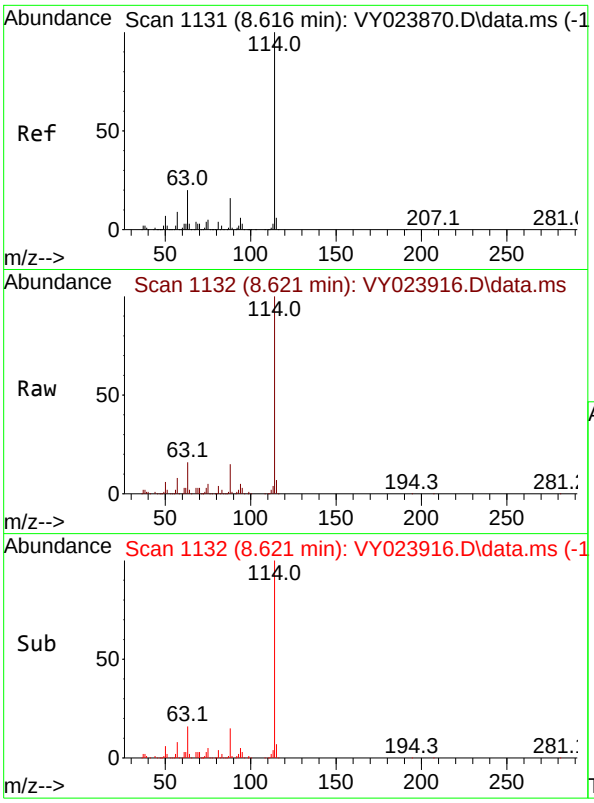


#33
1,2-Dichloroethane-d4
Concen: 57.889 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Tgt Ion: 65 Resp: 87290

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	107.2



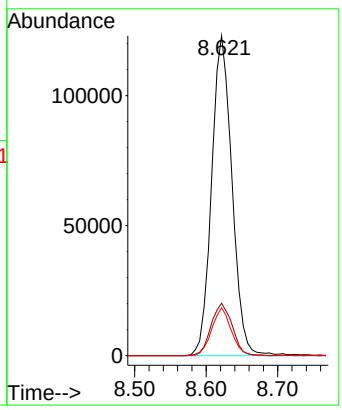


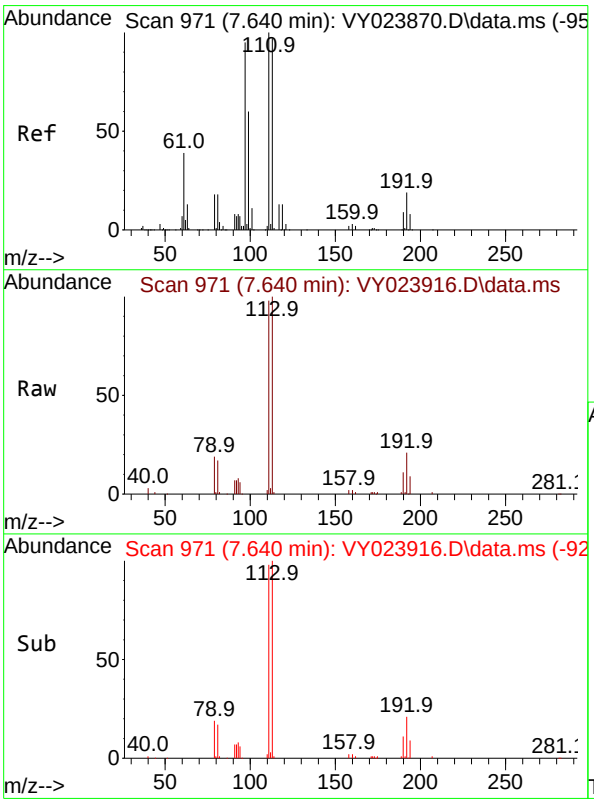
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.621 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Instrument :
MSVOA_Y
ClientSampleId :
SW-10

Tgt Ion:114 Resp: 243230

Ion	Ratio	Lower	Upper
114	100		
63	16.4	0.0	39.2
88	15.0	0.0	31.4

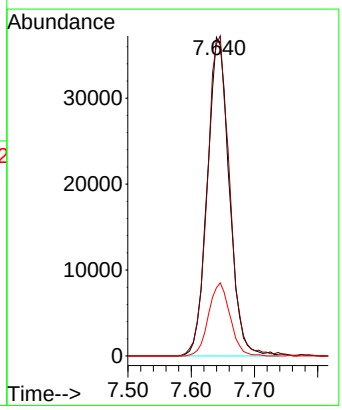


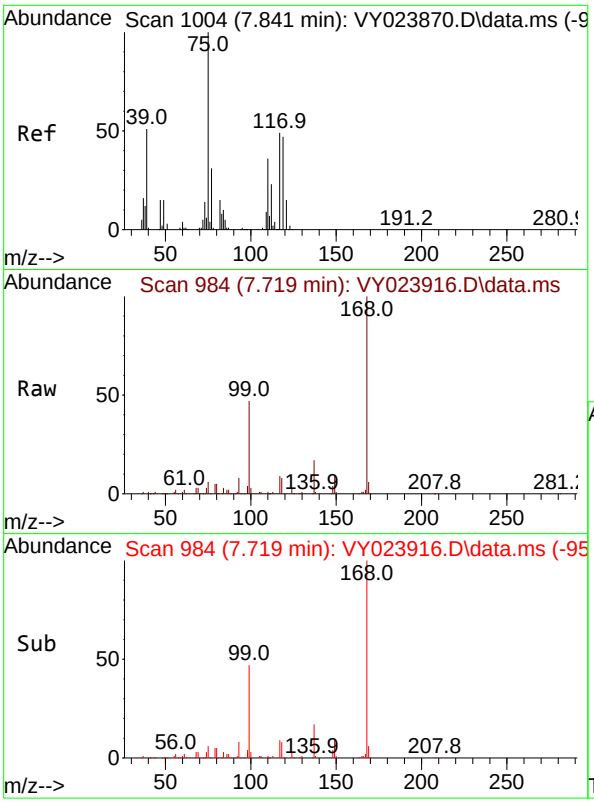


#35
Dibromofluoromethane
Concen: 57.368 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Tgt Ion:113 Resp: 89495

Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.2	123.2
192	22.5	15.8	23.8



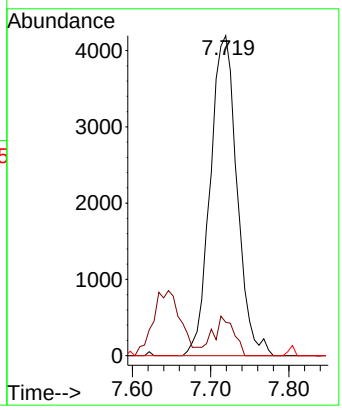


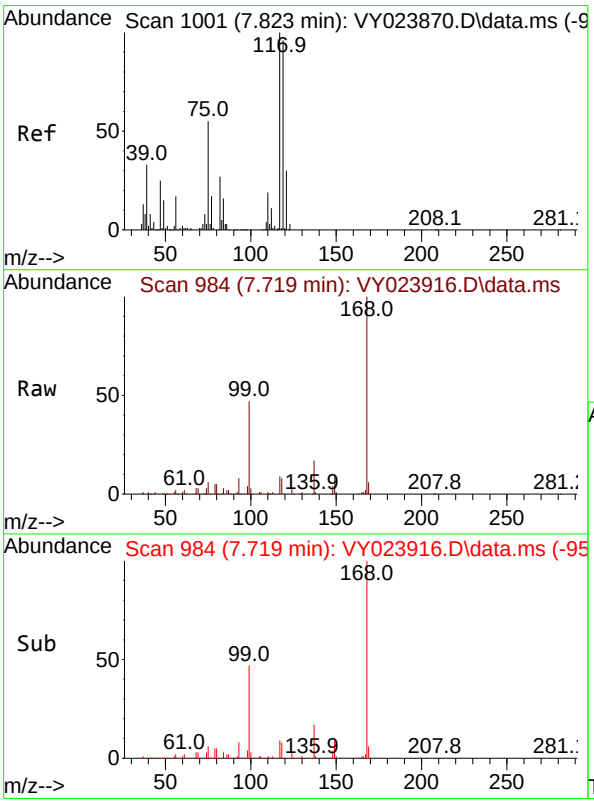
#36
1,1-Dichloropropene
Concen: 4.327 ug/l
RT: 7.719 min Scan# 9
Delta R.T. -0.122 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Instrument :
MSVOA_Y
ClientSampleId :
SW-10

Tgt Ion: 75 Resp: 9954

Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.6	52.9#
77	0.0	24.6	37.0#

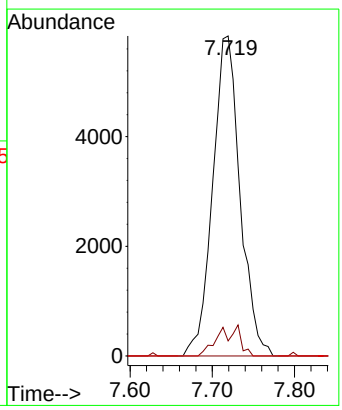


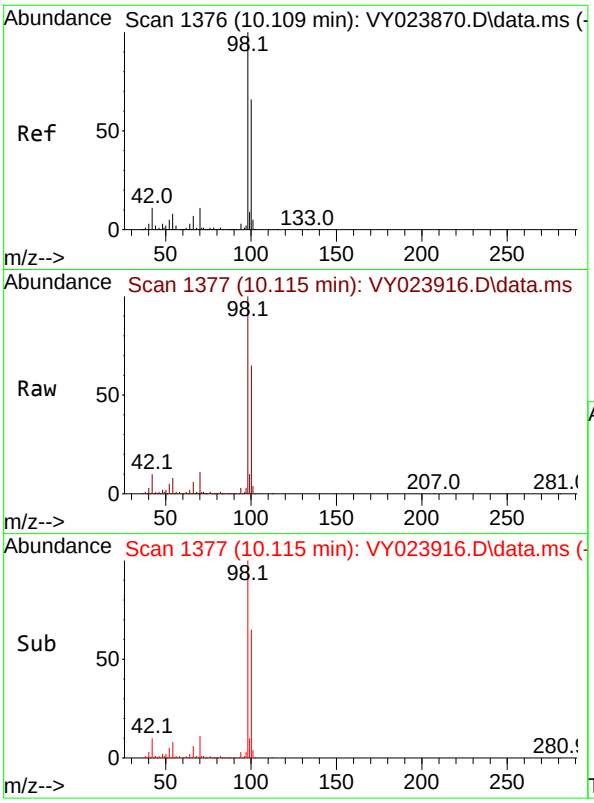


#38
Carbon Tetrachloride
Concen: 5.312 ug/l
RT: 7.719 min Scan# 984
Delta R.T. -0.104 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Tgt Ion:117 Resp: 13486

Ion	Ratio	Lower	Upper
117	100		
119	4.7	77.0	115.6#
121	0.0	23.9	35.9#



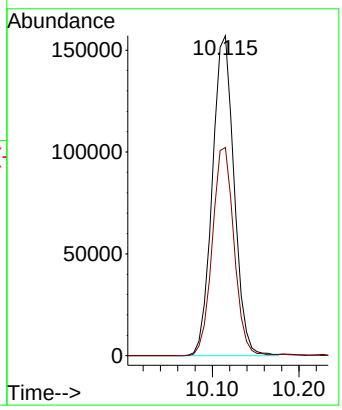


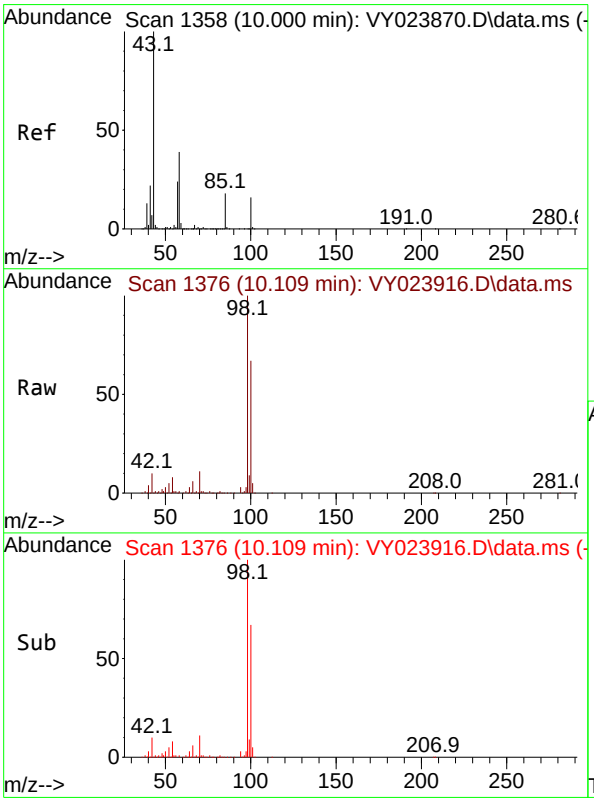
#50
Toluene-d8
Concen: 45.137 ug/l
RT: 10.115 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Instrument :
MSVOA_Y
ClientSampleId :
SW-10

Tgt Ion: 98 Resp: 274011

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.5	78.7

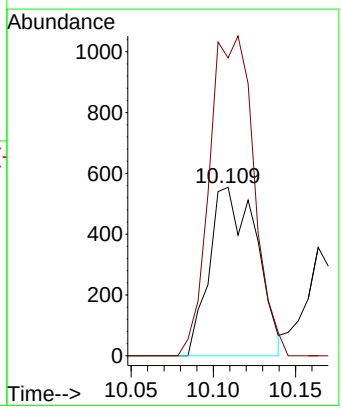


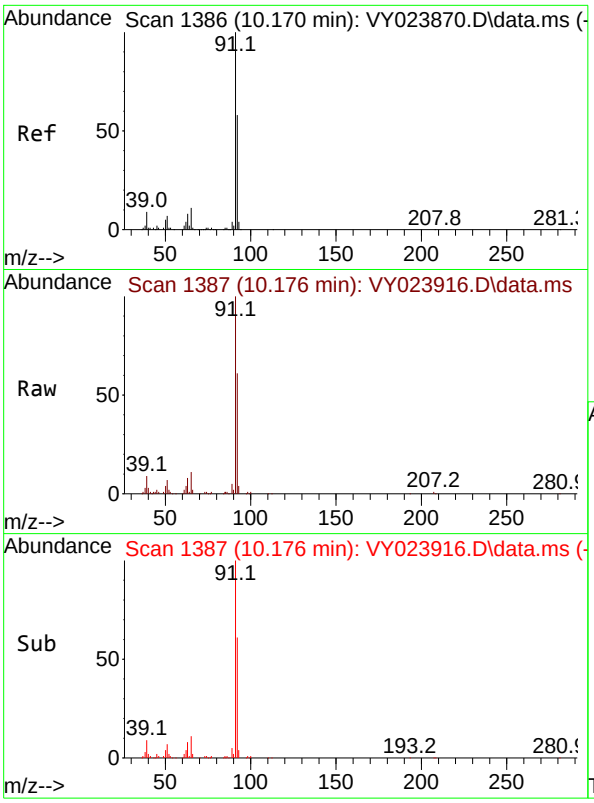


#51
4-Methyl-2-Pentanone
Concen: 1.054 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.109 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Tgt Ion: 43 Resp: 1101

Ion	Ratio	Lower	Upper
43	100		
58	179.0	31.8	47.8#



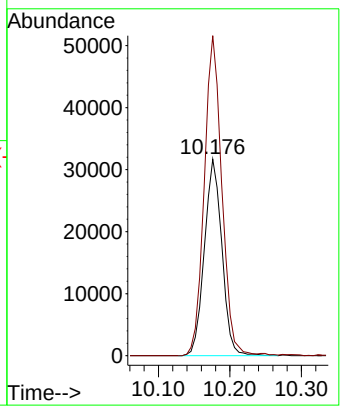


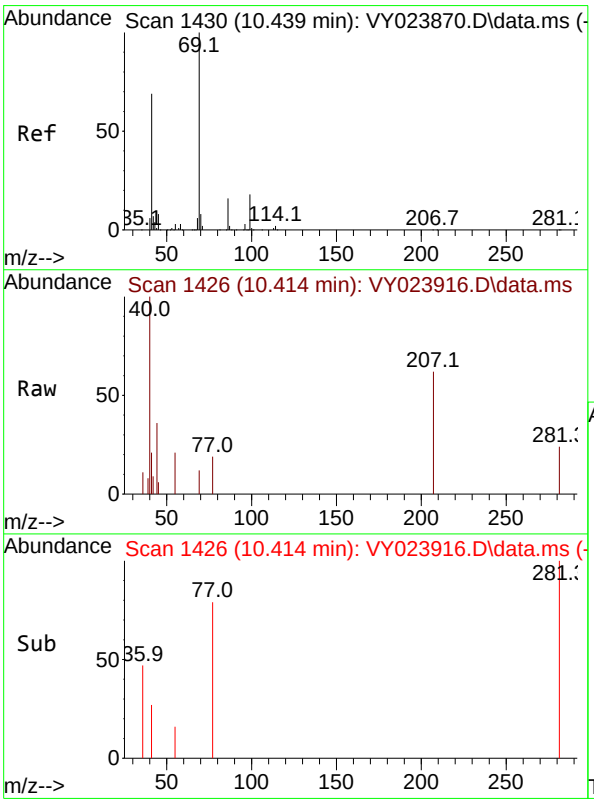
#52
Toluene
Concen: 12.393 ug/l
RT: 10.176 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Instrument :
MSVOA_Y
ClientSampleId :
SW-10

Tgt Ion: 92 Resp: 53960

Ion	Ratio	Lower	Upper
92	100		
91	163.0	137.3	205.9

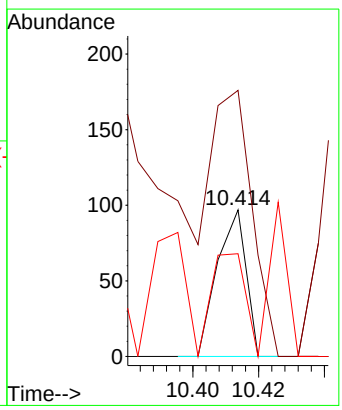


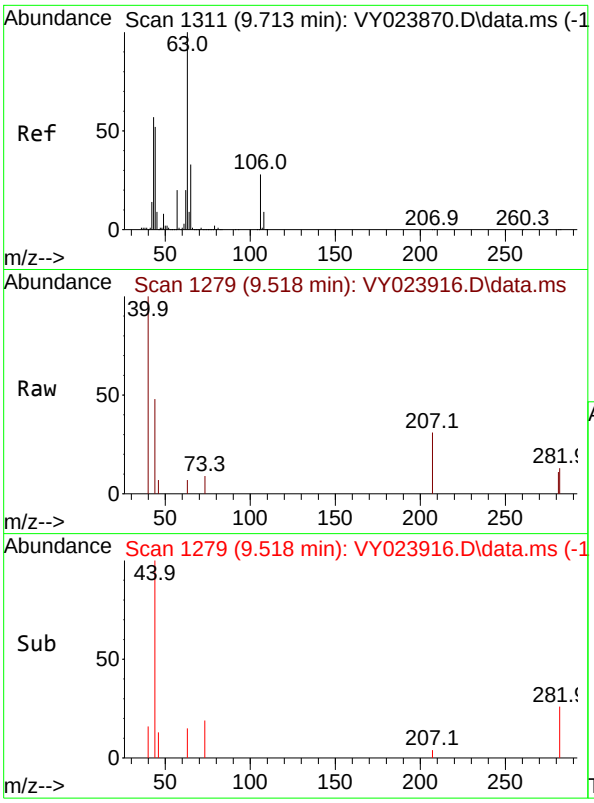


#56
Ethyl methacrylate
Concen: 4.182 ug/l
RT: 10.414 min Scan# 1426
Delta R.T. -0.025 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Tgt Ion: 69 Resp: 59

Ion	Ratio	Lower	Upper
69	100		
41	254.2	52.5	78.7#
39	0.0	27.1	40.7#



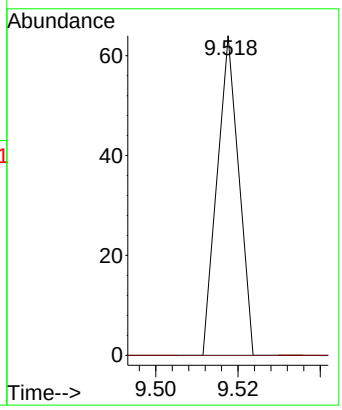


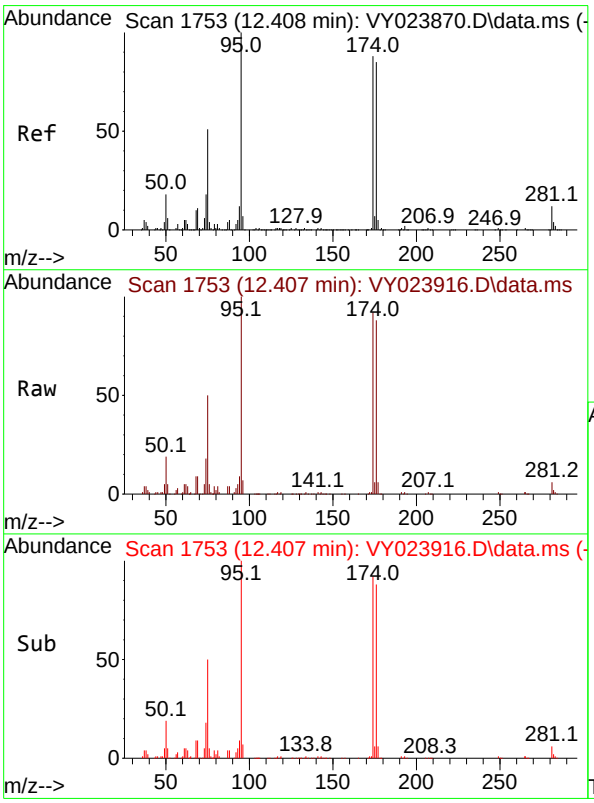
#58
2-Chloroethyl Vinyl ether
Concen: 14.746 ug/l
RT: 9.518 min Scan# 1
Delta R.T. -0.195 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Instrument :
MSVOA_Y
ClientSampleId :
SW-10

Tgt Ion: 63 Resp: 23

Ion	Ratio	Lower	Upper
63	100		
106	0.0	22.5	33.7#

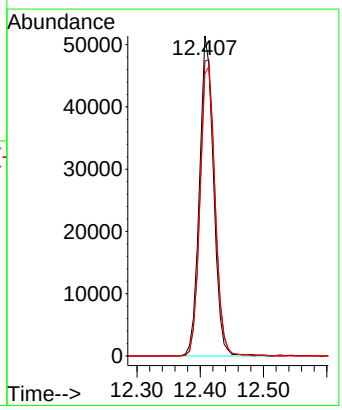


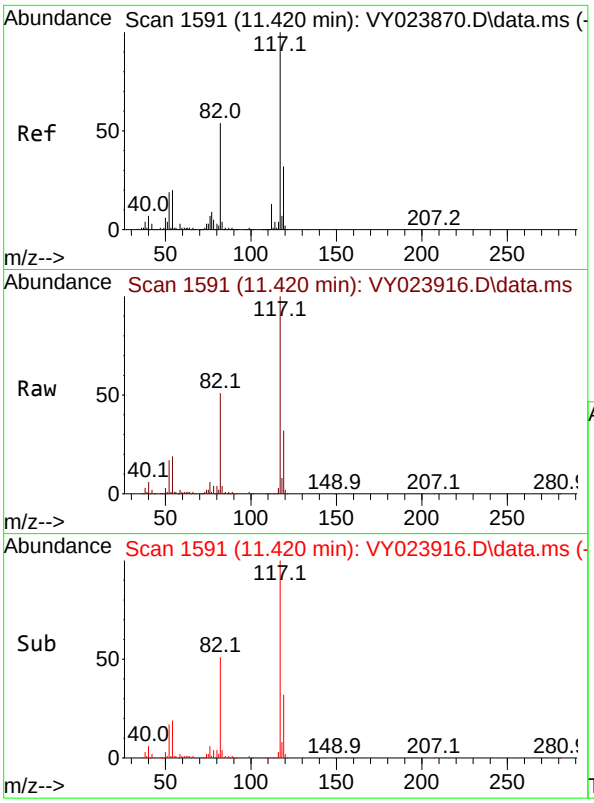


#62
4-Bromofluorobenzene
Concen: 38.637 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Tgt Ion: 95 Resp: 80001

Ion	Ratio	Lower	Upper
95	100		
174	98.5	0.0	169.6
176	96.2	0.0	164.4



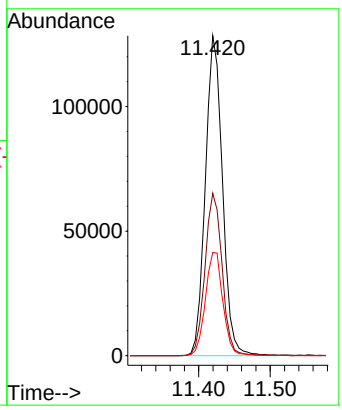


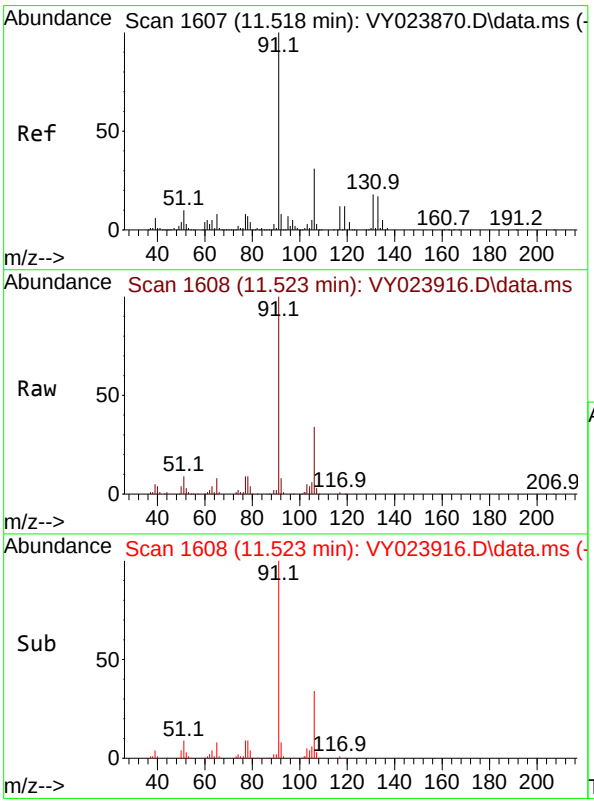
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Instrument :
MSVOA_Y
ClientSampleId :
SW-10

Tgt Ion:117 Resp: 213434

Ion	Ratio	Lower	Upper
117	100		
82	50.8	43.1	64.7
119	32.3	26.0	39.0

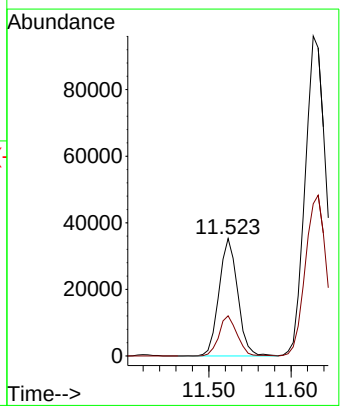


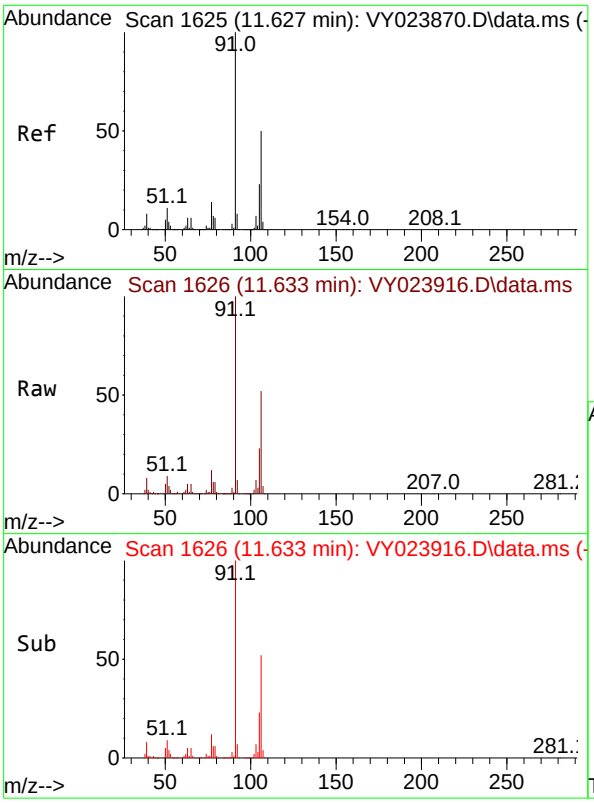


#67
Ethyl Benzene
Concen: 6.603 ug/l
RT: 11.523 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Tgt Ion: 91 Resp: 55610

Ion	Ratio	Lower	Upper
91	100		
106	34.3	25.0	37.6



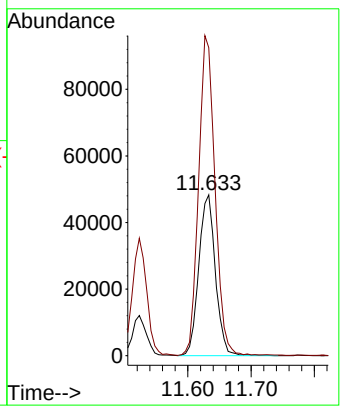


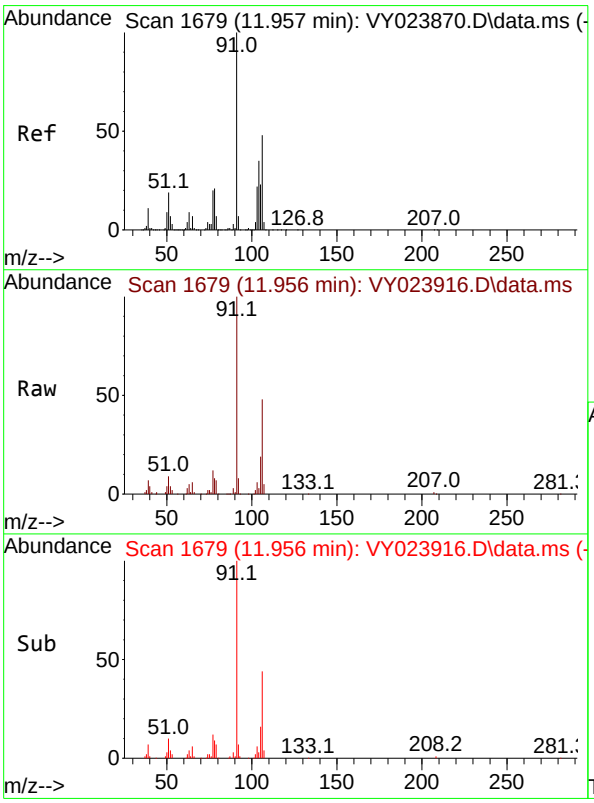
#68
m/p-Xylenes
Concen: 27.476 ug/l
RT: 11.633 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Instrument :
MSVOA_Y
ClientSampleId :
SW-10

Tgt Ion:106 Resp: 88444

Ion	Ratio	Lower	Upper
106	100		
91	195.4	159.7	239.5

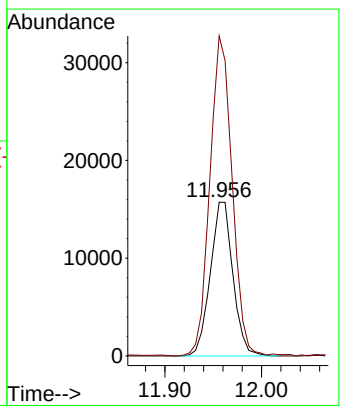


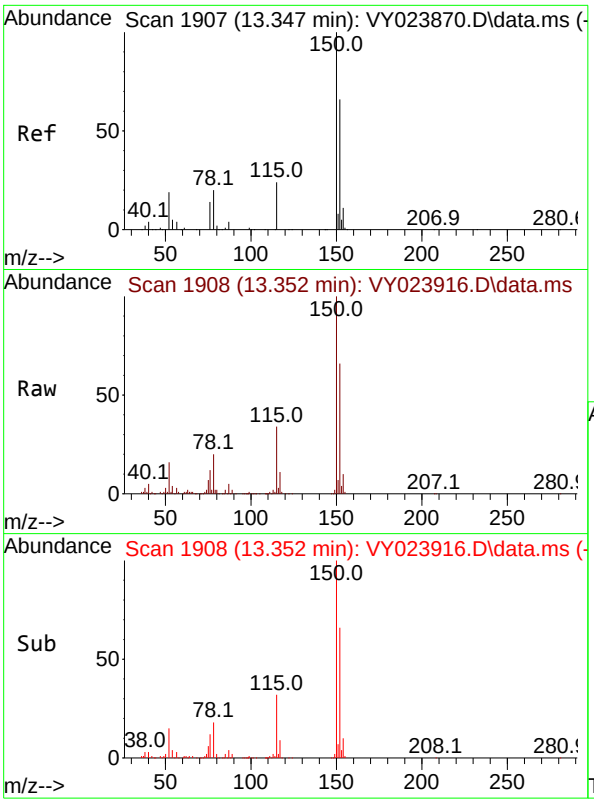


#69
o-Xylene
Concen: 8.484 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Tgt Ion:106 Resp: 25543

Ion	Ratio	Lower	Upper
106	100		
91	205.6	104.4	313.1



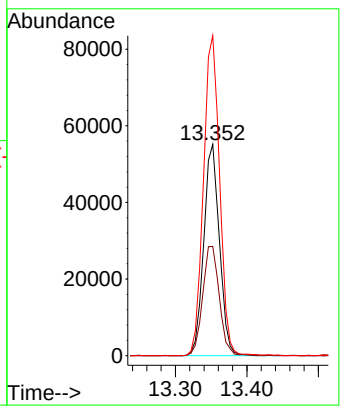


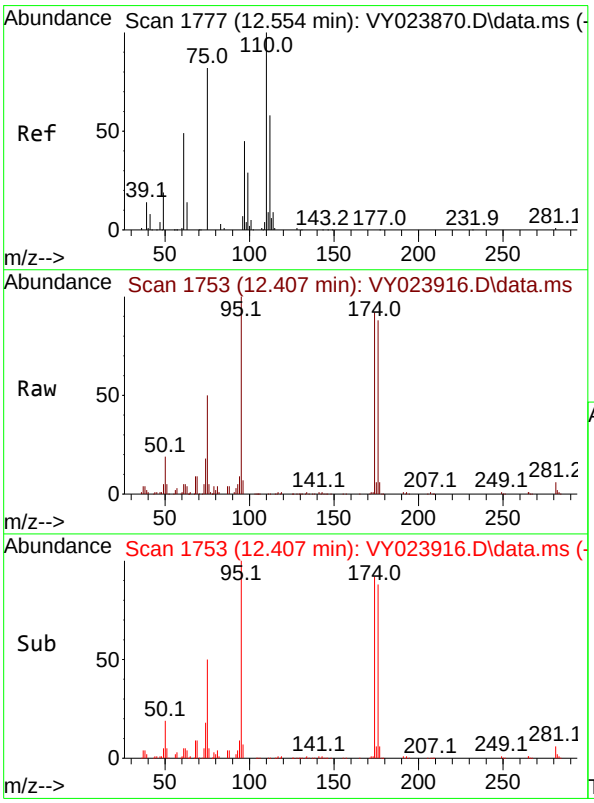
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Instrument :
MSVOA_Y
ClientSampleId :
SW-10

Tgt Ion:152 Resp: 84129

Ion	Ratio	Lower	Upper
152	100		
115	54.8	28.8	86.4
150	155.8	0.0	352.2

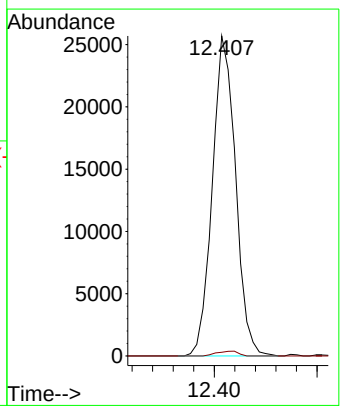


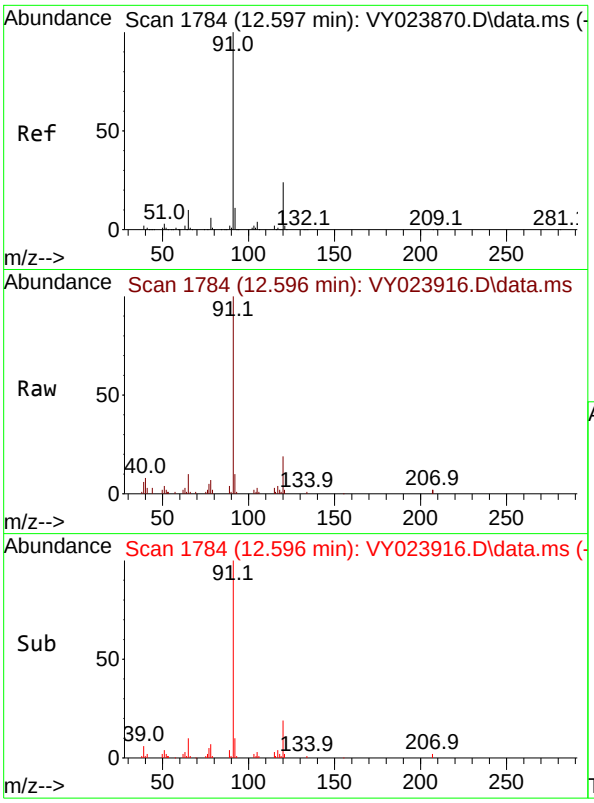


#76
1,2,3-Trichloropropane
Concen: 48.225 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.147 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Tgt Ion: 75 Resp: 40221

Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#



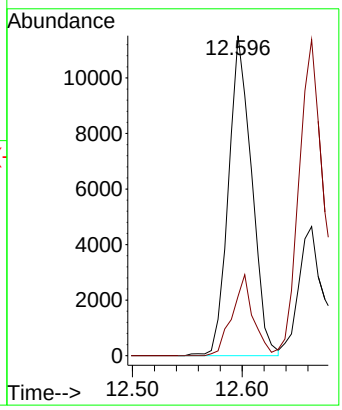


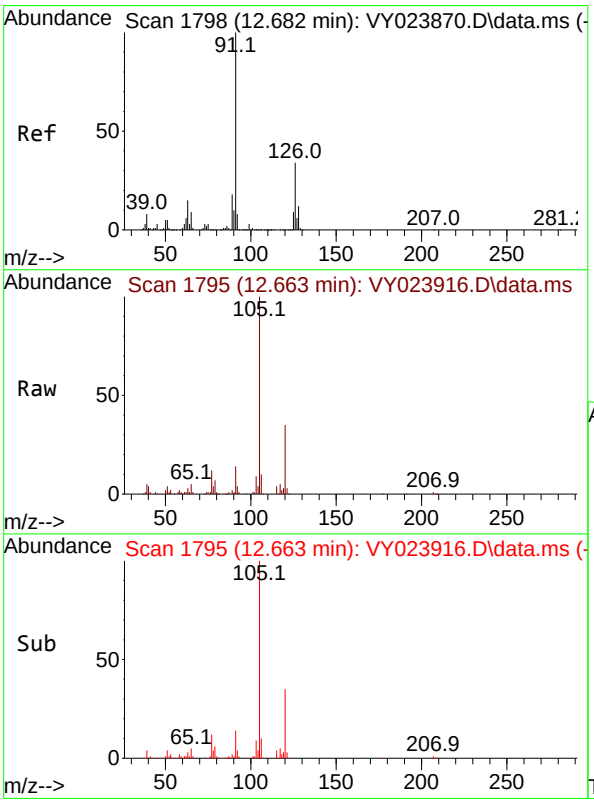
#78
n-propylbenzene
Concen: 2.261 ug/l
RT: 12.596 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Instrument :
MSVOA_Y
ClientSampleId :
SW-10

Tgt Ion: 91 Resp: 16909

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.5	34.5

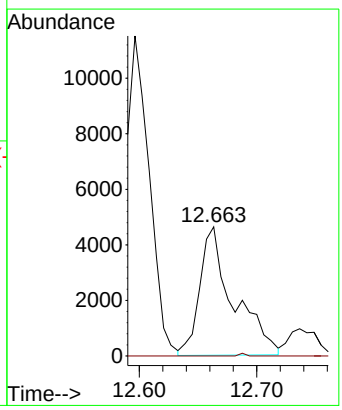


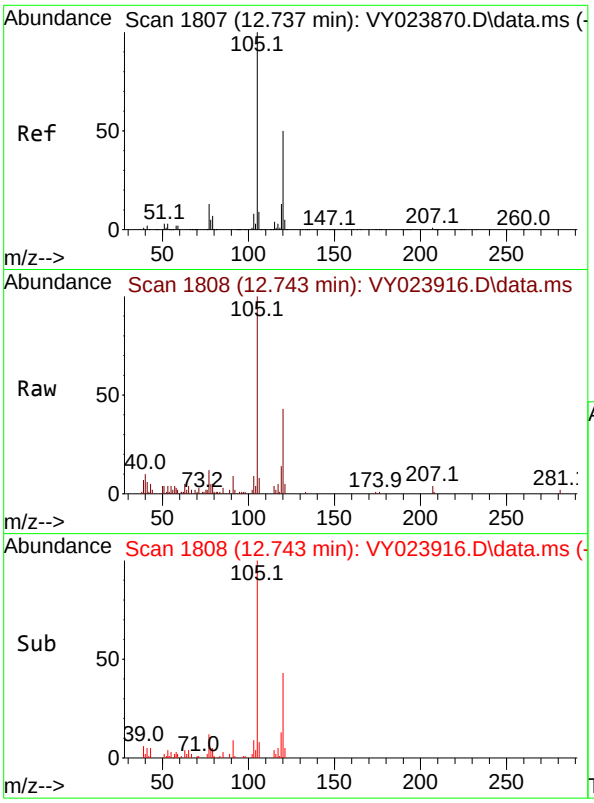


#79
2-Chlorotoluene
Concen: 2.169 ug/l
RT: 12.663 min Scan# 1795
Delta R.T. -0.019 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Tgt Ion: 91 Resp: 9212

Ion	Ratio	Lower	Upper
91	100		
126	0.0	17.0	51.0#



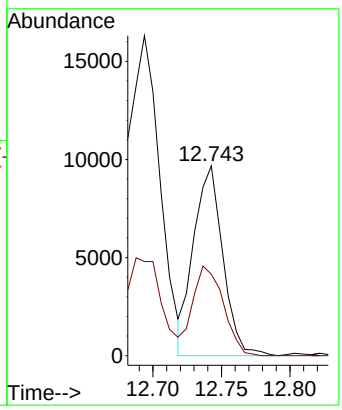


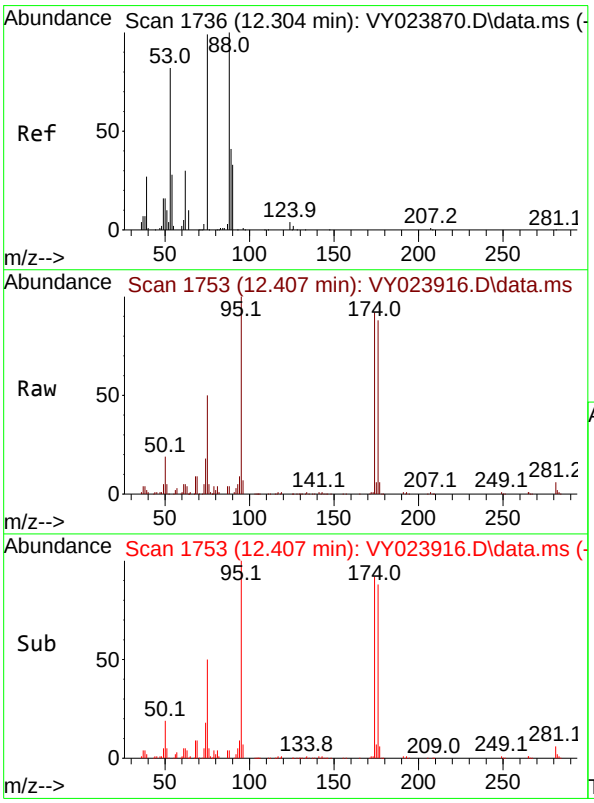
#80
1,3,5-Trimethylbenzene
Concen: 2.858 ug/l
RT: 12.743 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Instrument :
MSVOA_Y
ClientSampleId :
SW-10

Tgt Ion:105 Resp: 14396

Ion	Ratio	Lower	Upper
105	100		
120	49.5	24.9	74.6

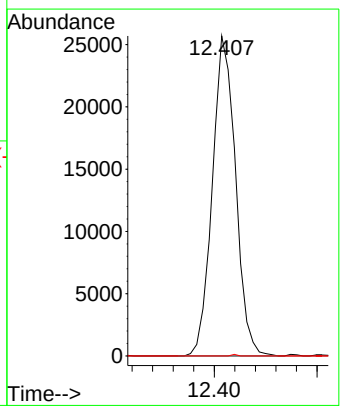


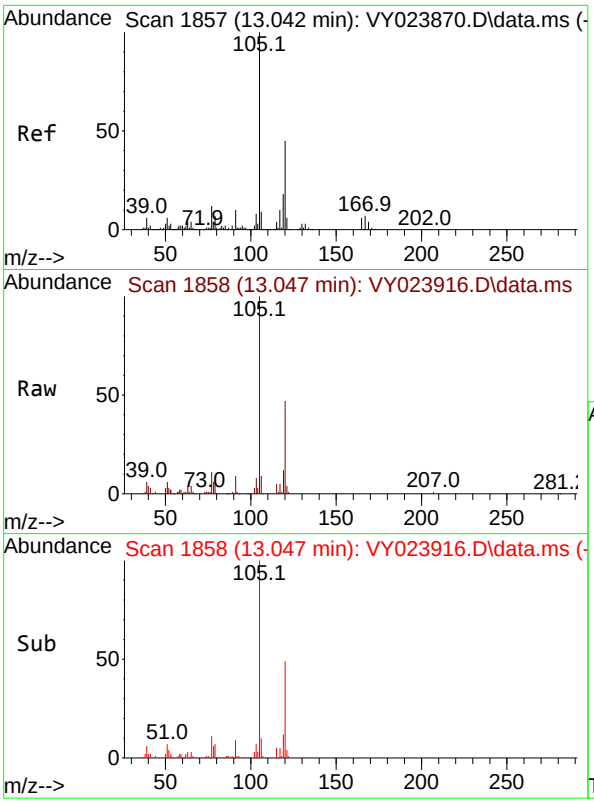


#81
trans-1,4-Dichloro-2-butene
Concen: 115.503 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.103 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Tgt Ion: 75 Resp: 40221

Ion	Ratio	Lower	Upper
75	100		
53	0.0	71.1	106.7#
89	0.1	36.3	54.5#



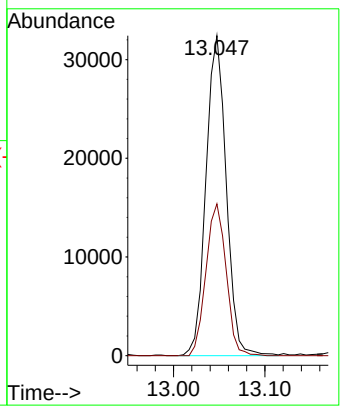


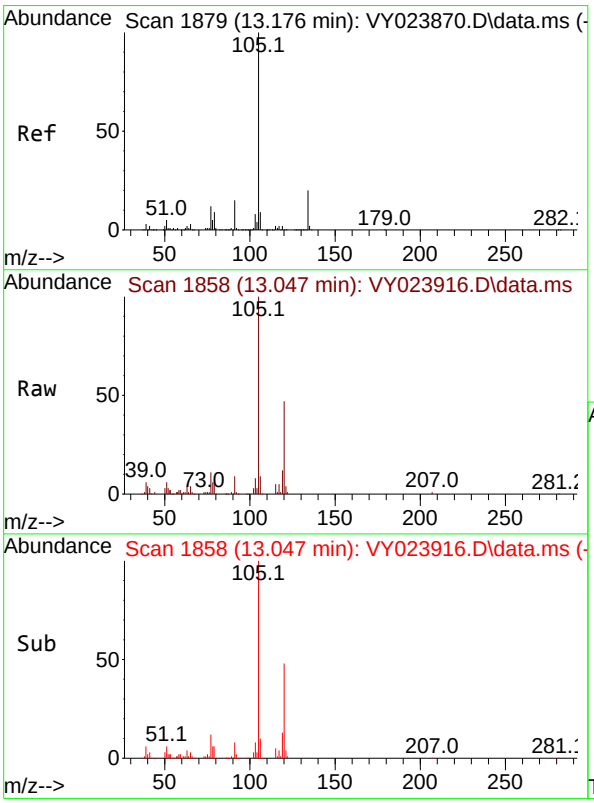
#84
1,2,4-Trimethylbenzene
Concen: 9.988 ug/l
RT: 13.047 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Instrument :
MSVOA_Y
ClientSampleId :
SW-10

Tgt Ion:105 Resp: 49836

Ion	Ratio	Lower	Upper
105	100		
120	47.3	22.4	67.3





#85
sec-Butylbenzene
Concen: 7.379 ug/l
RT: 13.047 min Scan# 1858
Delta R.T. -0.128 min
Lab File: VY023916.D
Acq: 09 Dec 2025 18:14

Tgt Ion:105 Resp: 49836

Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.1	30.3#