Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102225\
Data File : VY023552.D
Acq On : 22 Oct 2025 15:34
Operator : SY/MD
Sample : Q3419-04
Misc : 5.25g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S16-119133-20251021

Quant Time: Oct 24 02:35:55 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	900343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1446852	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1218442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	499022	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	402685	53.486	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.980%			
35) Dibromofluoromethane	7.634	113	456664	51.367	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.740%			
50) Toluene-d8	10.109	98	1676161	50.627	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.260%			
62) 4-Bromofluorobenzene	12.408	95	515265	47.140	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.280%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.860	59	2325	4.151	ug/l #	72
13) Acrolein	3.659	56	1407	1.778	ug/l #	15
15) Acrylonitrile	5.134	53	1887	1.182	ug/l #	35
16) Acetone	3.872	43	61394	34.253	ug/l	97
17) Carbon Disulfide	4.116	76	46881	2.040	ug/l	98
20) Methylene Chloride	4.616	84	19228	1.984	ug/l	94
25) 2-Butanone	6.902	43	23901	10.923	ug/l	98
31) Cyclohexane	7.707	56	24872	1.986	ug/l #	27
36) 1,1-Dichloropropene	7.707	75	56251	4.779	ug/l #	48
37) Ethyl Acetate	6.902	43	23901	5.126	ug/l #	67
38) Carbon Tetrachloride	7.713	117	79699	5.585	ug/l #	16
39) Methylcyclohexane	9.109	83	140047	9.139	ug/l #	90
41) Methacrylonitrile	7.268	41	3152	1.250	ug/l #	45
43) Isopropyl Acetate	8.195	43	25205	2.711	ug/l #	56
47) Bromodichloromethane	9.396	83	15700	1.197	ug/l #	42
48) Methyl methacrylate	9.170	41	50330	11.522	ug/l #	38
51) 4-Methyl-2-Pentanone	10.103	43	27463	5.717	ug/l	100
55) 1,1,2-Trichloroethane	10.548	97	123511	17.643	ug/l #	25
56) Ethyl methacrylate	10.414	69	192137	23.793	ug/l #	83
59) 2-Hexanone	10.731	43	854266	248.836	ug/l #	25
74) N-amyl acetate	12.054	43	866641	146.718	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	12.487	83	65237	12.129	ug/l #	62
76) 1,2,3-Trichloropropane	12.408	75	232825	52.882	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	232825	129.677	ug/l #	19
82) 4-Chlorotoluene	12.725	91	25950	1.131	ug/l	70
84) 1,2,4-Trimethylbenzene	13.048	105	33222	1.253	ug/l	100
86) p-Isopropyltoluene	13.291	119	50271	1.678	ug/l	90
95) Naphthalene	15.145	128	15921	1.074	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.352	180	8261	1.025	ug/l #	12

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

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Operator : SY/MD
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Misc : 5.25g/5.0mL/MSVOA_Y/SOIL/A
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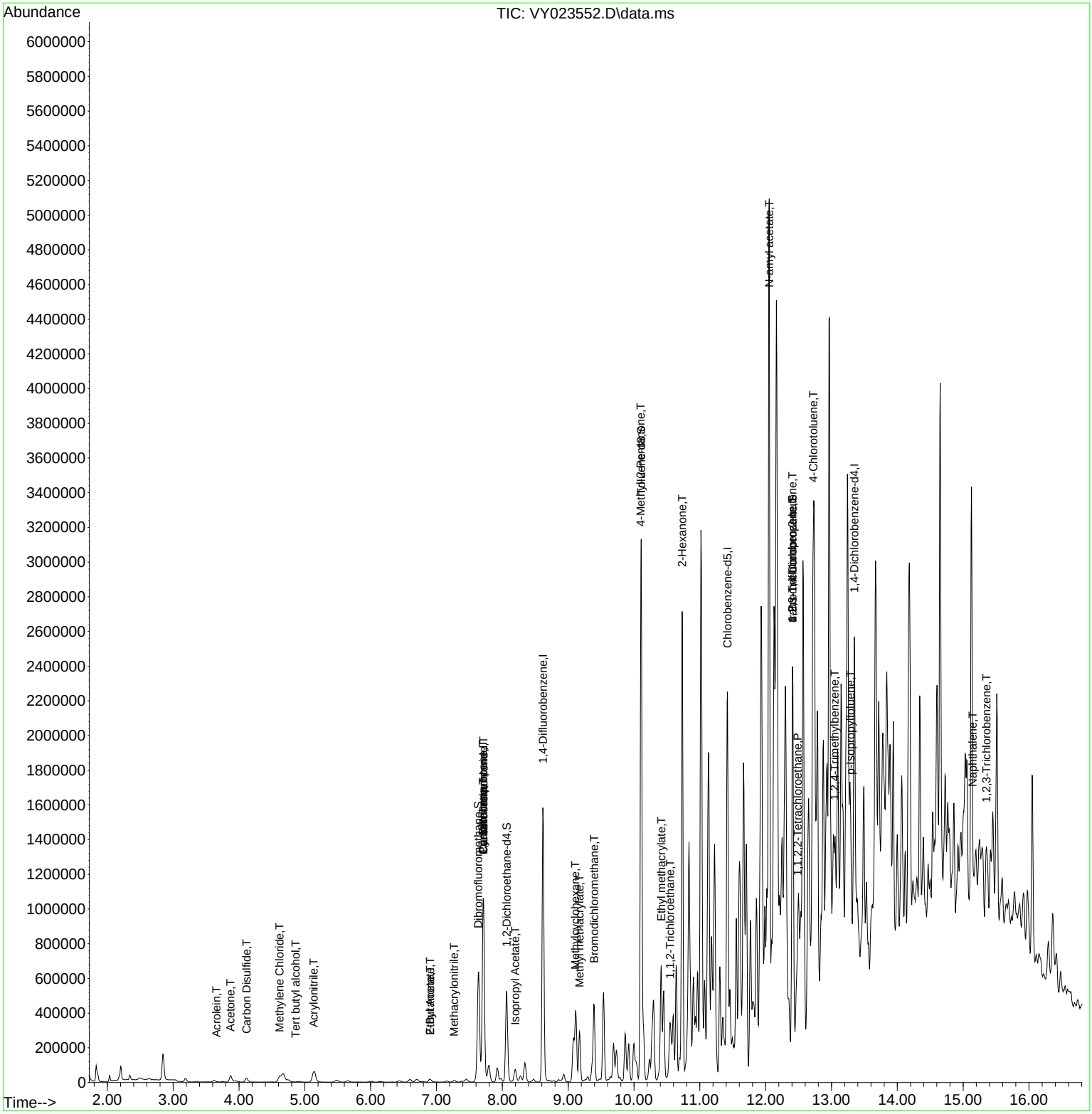
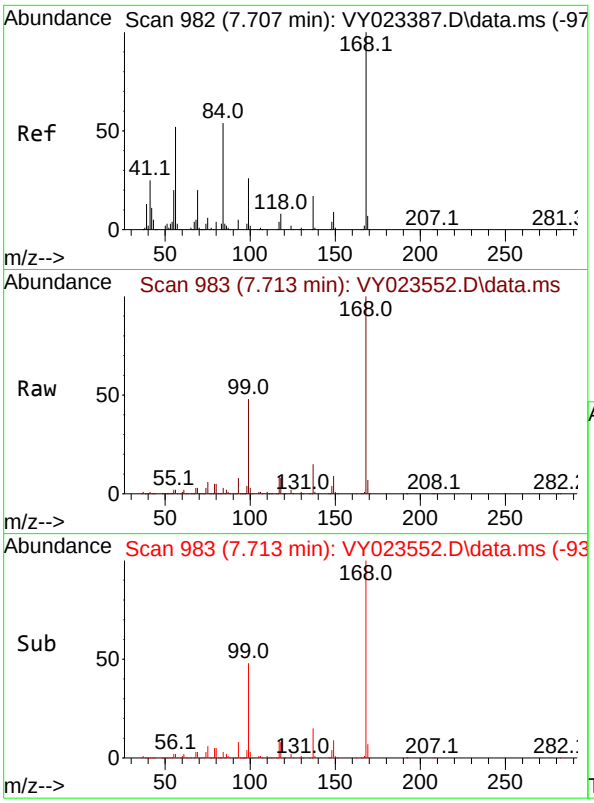


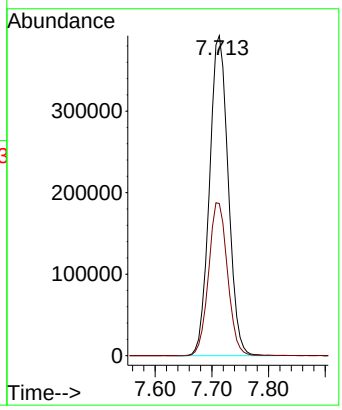


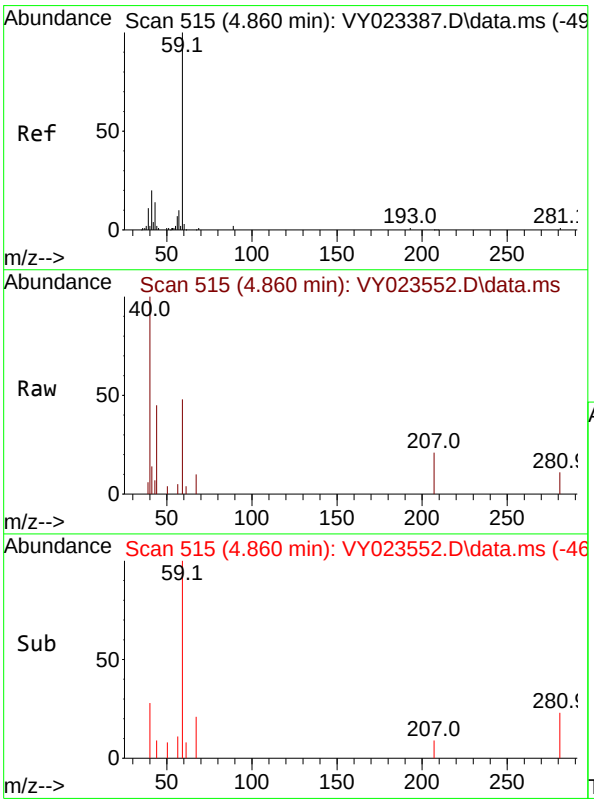
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S16-119133-20251021

Tgt Ion:168 Resp: 900343

Ion	Ratio	Lower	Upper
168	100		
99	47.5	39.7	59.5

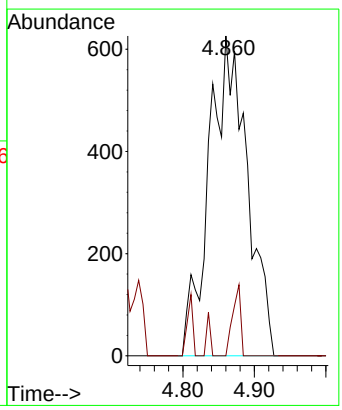


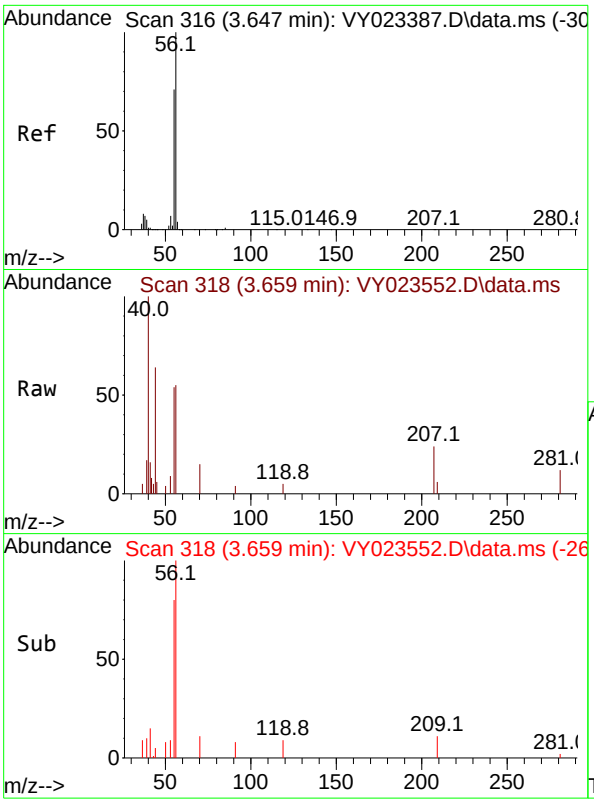


#11
Tert butyl alcohol
Concen: 4.151 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.000 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Tgt Ion: 59 Resp: 2325

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#



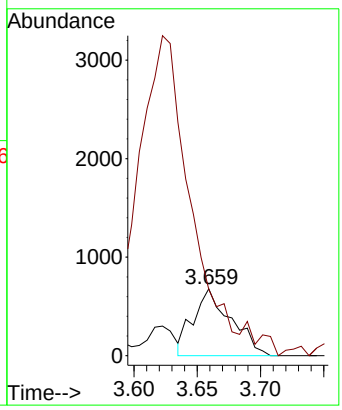


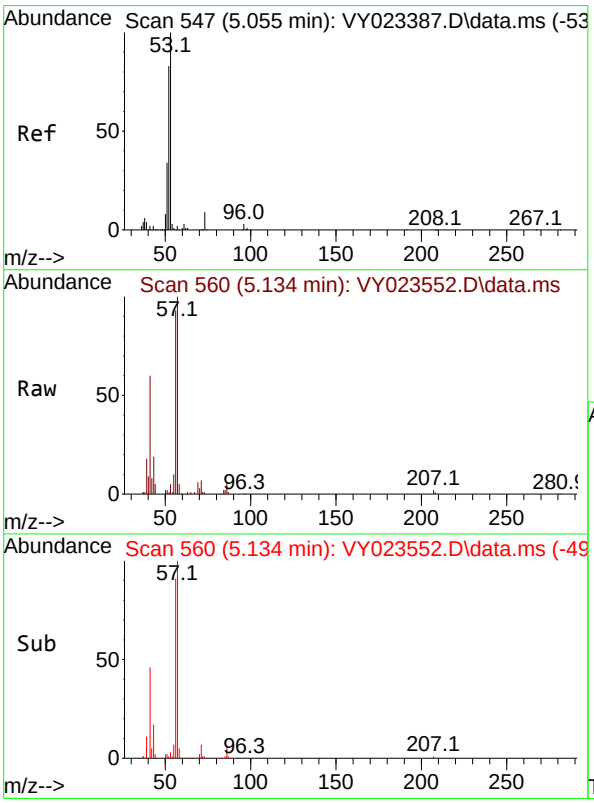
#13
Acrolein
Concen: 1.778 ug/l
RT: 3.659 min Scan# 3
Delta R.T. 0.012 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S16-119133-20251021

Tgt Ion: 56 Resp: 1407

Ion	Ratio	Lower	Upper
56	100		
55	0.0	56.1	84.1#

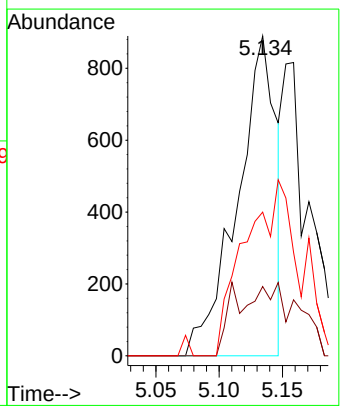


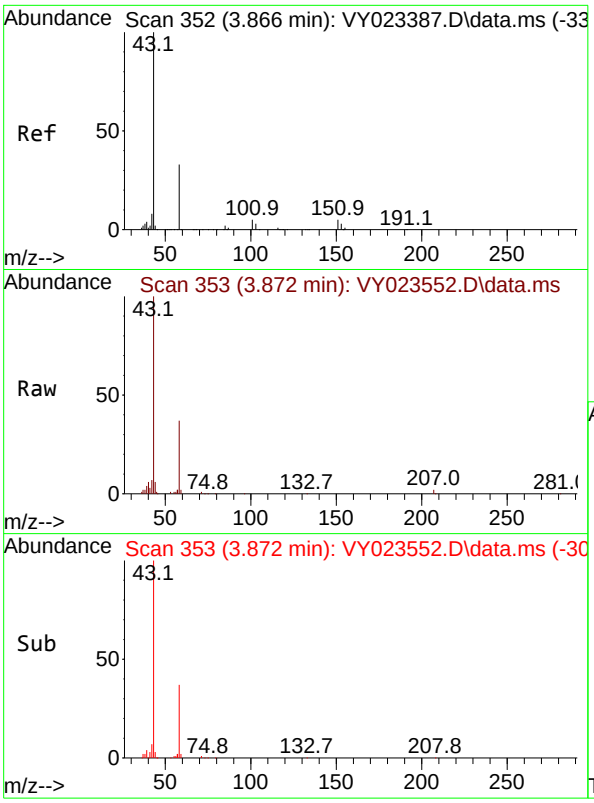


#15
Acrylonitrile
Concen: 1.182 ug/l
RT: 5.134 min Scan# 560
Delta R.T. 0.079 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Tgt Ion: 53 Resp: 1887

Ion	Ratio	Lower	Upper
53	100		
52	24.7	64.6	97.0#
51	78.2	29.5	44.3#



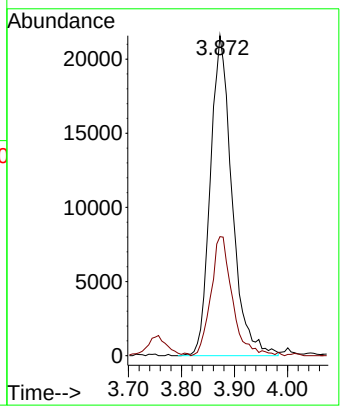


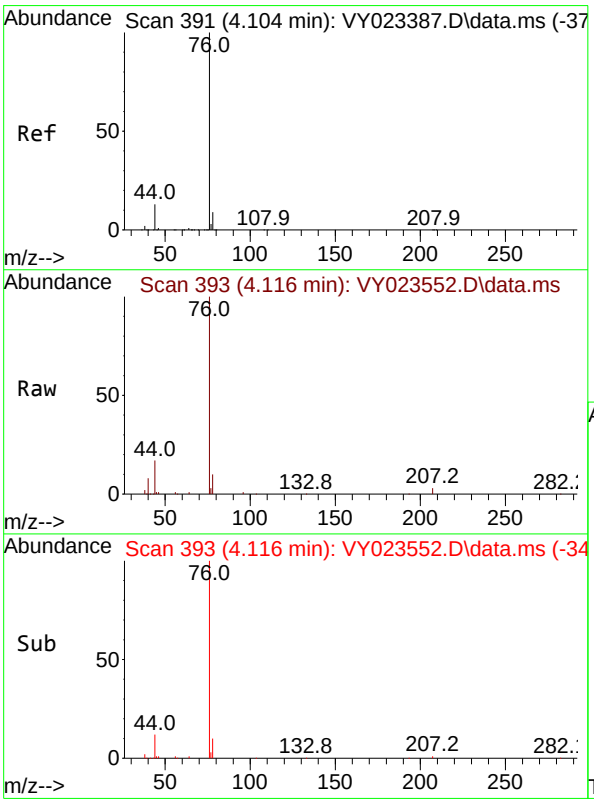
#16
Acetone
Concen: 34.253 ug/l
RT: 3.872 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S16-119133-20251021

Tgt Ion: 43 Resp: 61394

Ion	Ratio	Lower	Upper
43	100		
58	36.4	27.7	41.5

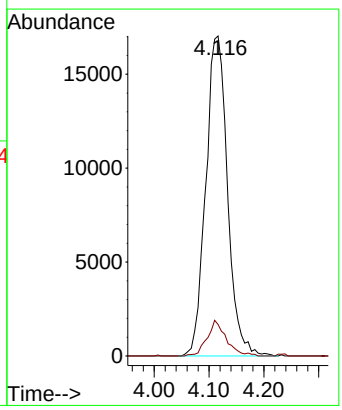


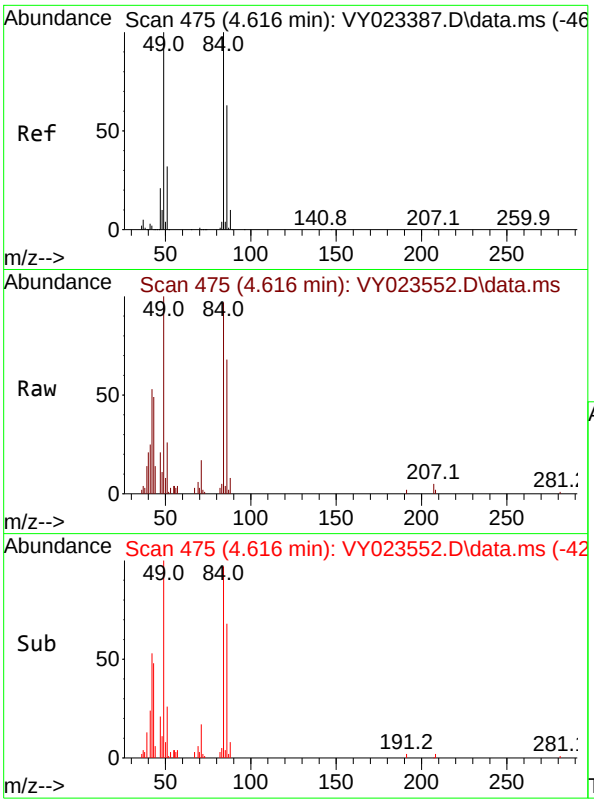


#17
Carbon Disulfide
Concen: 2.040 ug/l
RT: 4.116 min Scan# 393
Delta R.T. 0.012 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Tgt Ion: 76 Resp: 46881

Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.3	10.9



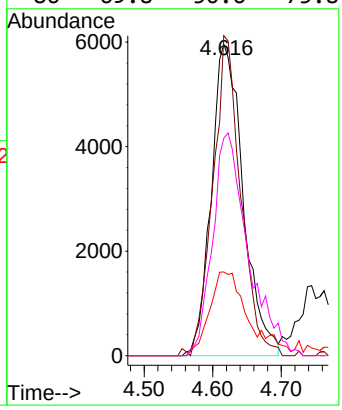


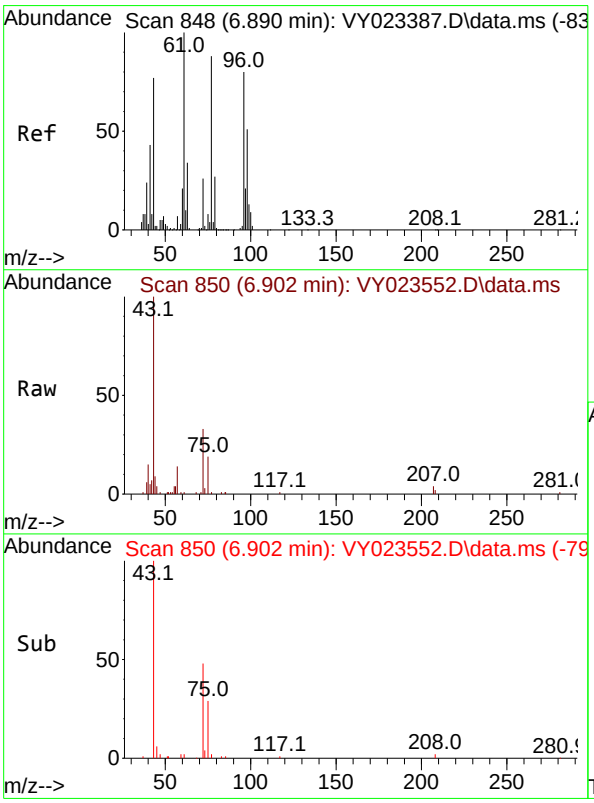
#20
Methylene Chloride
Concen: 1.984 ug/l
RT: 4.616 min Scan# 4
Delta R.T. -0.000 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S16-119133-20251021

Tgt Ion: 84 Resp: 19228

Ion	Ratio	Lower	Upper
84	100		
49	102.8	80.2	120.4
51	26.9	25.9	38.9
86	69.8	50.6	75.8

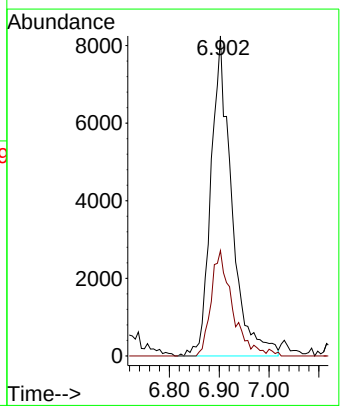


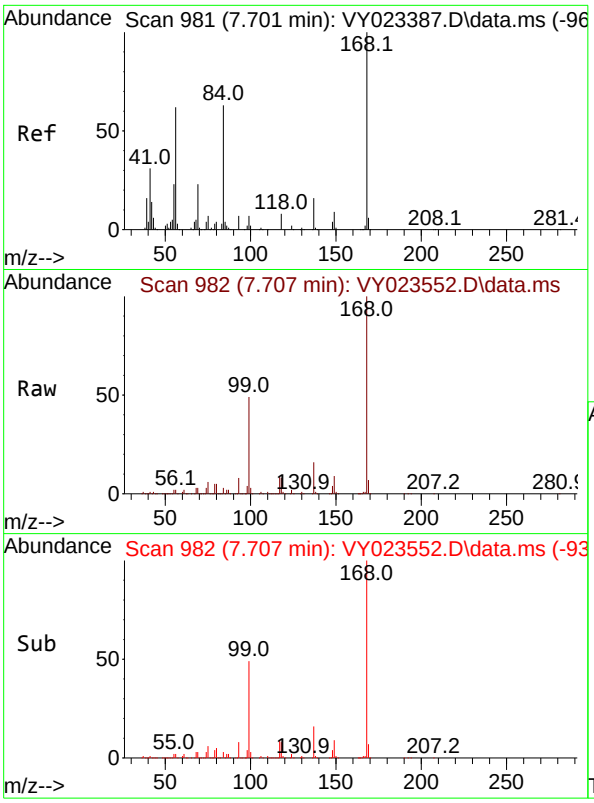


#25
2-Butanone
Concen: 10.923 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Tgt Ion: 43 Resp: 23901

Ion	Ratio	Lower	Upper
43	100		
72	32.9	27.4	41.2



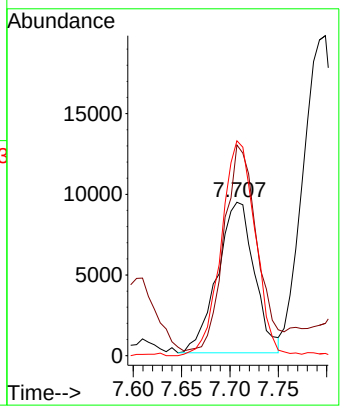


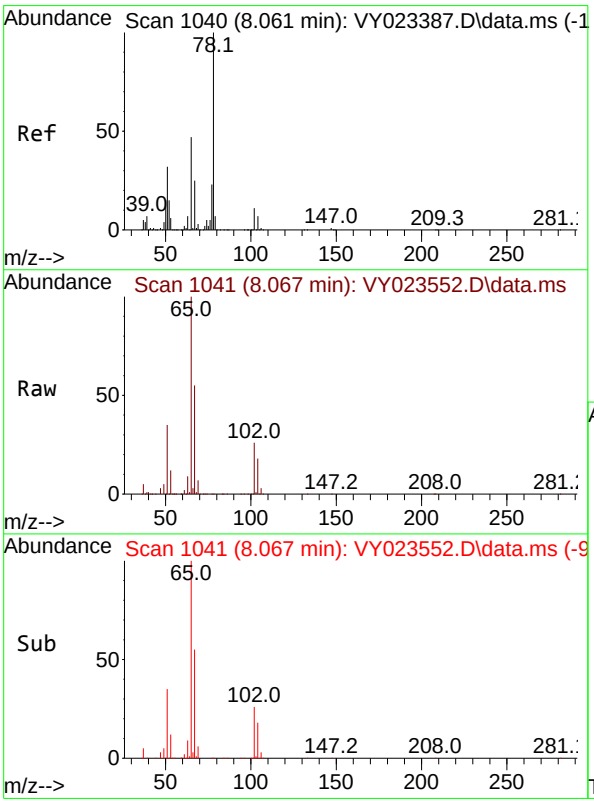
#31
Cyclohexane
Concen: 1.986 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S16-119133-20251021

Tgt Ion: 56 Resp: 24872

Ion	Ratio	Lower	Upper
56	100		
69	134.2	30.0	45.0#
84	142.7	81.2	121.8#

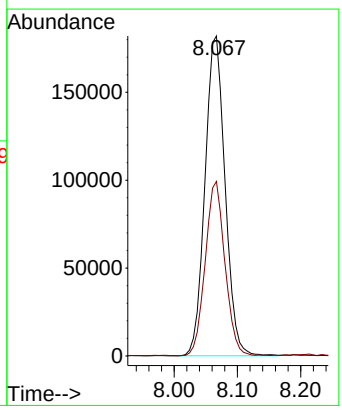


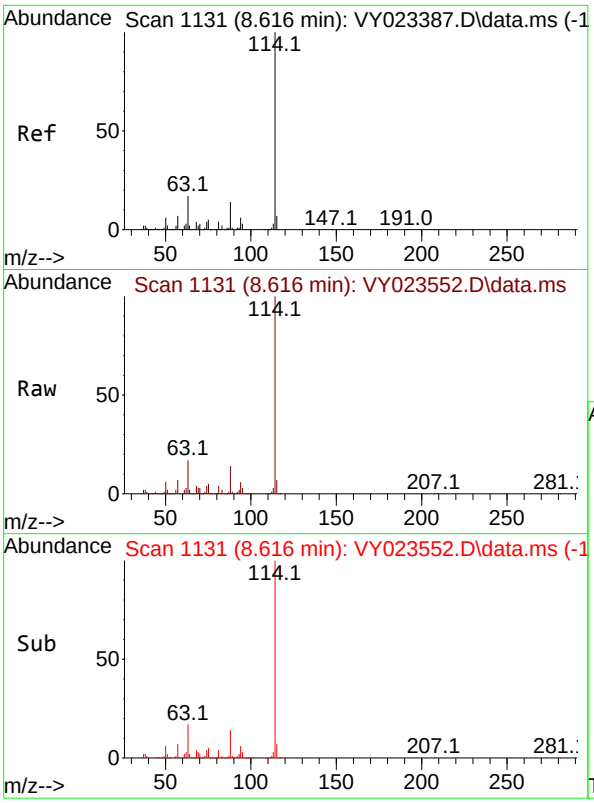


#33
1,2-Dichloroethane-d4
Concen: 53.486 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Tgt Ion: 65 Resp: 402685

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	105.8



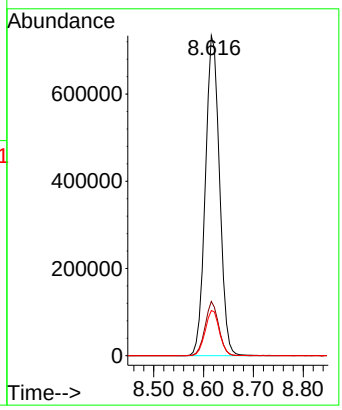


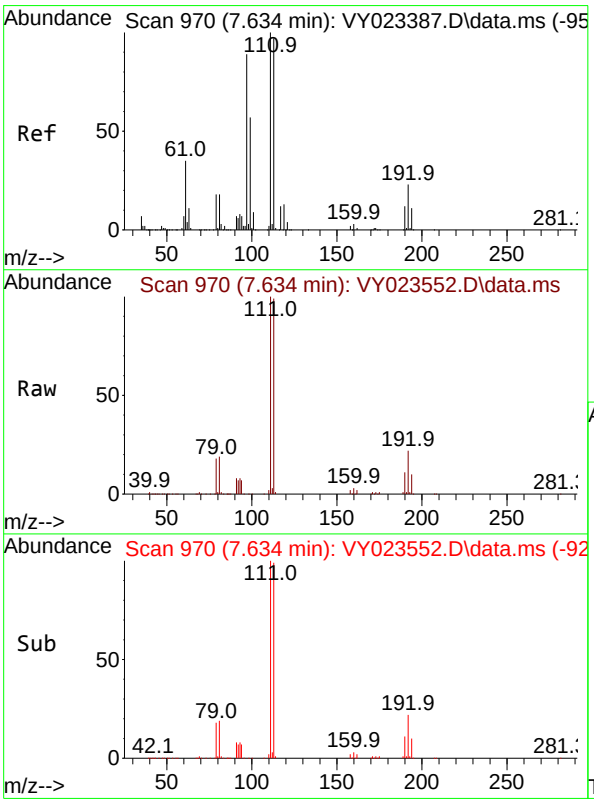
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S16-119133-20251021

Tgt Ion:114 Resp: 1446852

Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	34.2
88	14.1	0.0	28.4

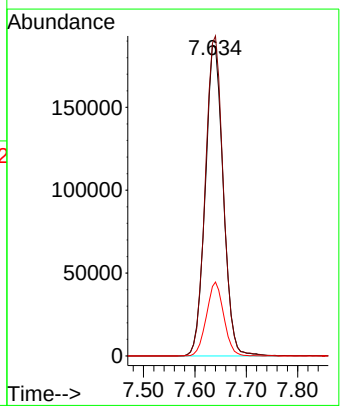


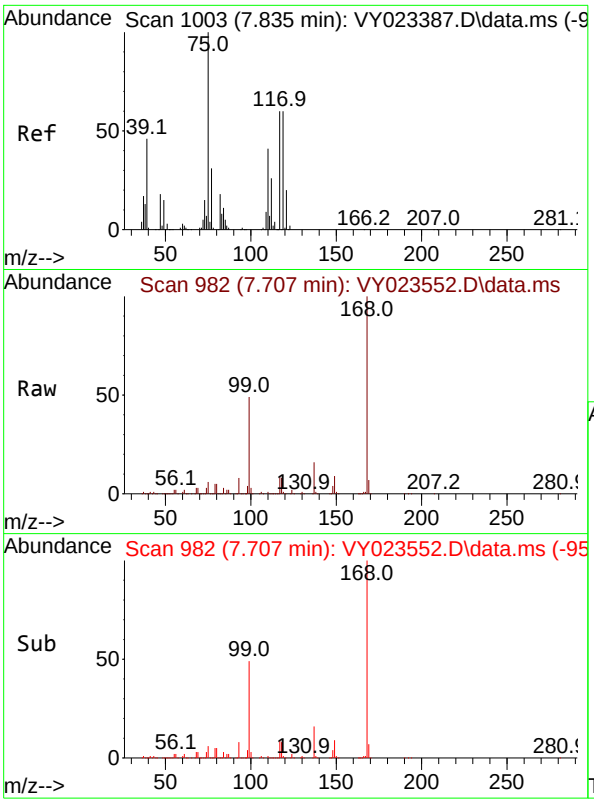


#35
Dibromofluoromethane
Concen: 51.367 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Tgt Ion:113 Resp: 456664

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	22.9	18.0	27.0



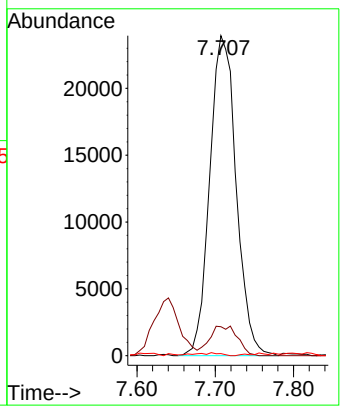


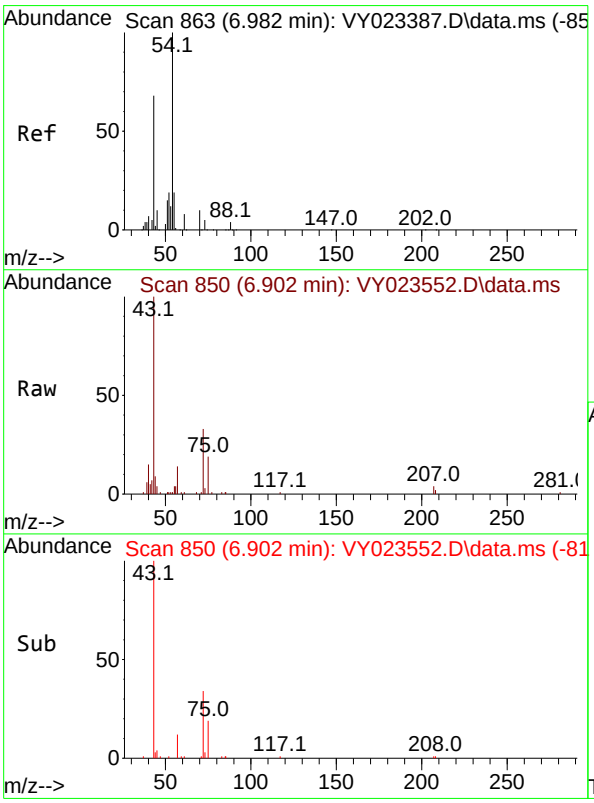
#36
1,1-Dichloropropene
Concen: 4.779 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.128 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S16-119133-20251021

Tgt Ion: 75 Resp: 56251

Ion	Ratio	Lower	Upper
75	100		
110	9.8	19.9	59.7#
77	0.0	25.0	37.6#

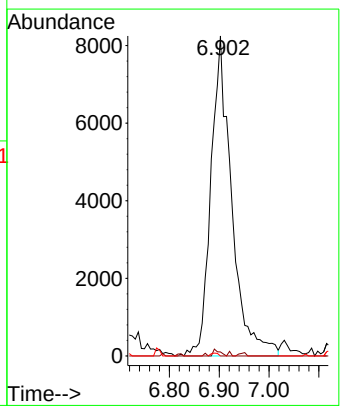


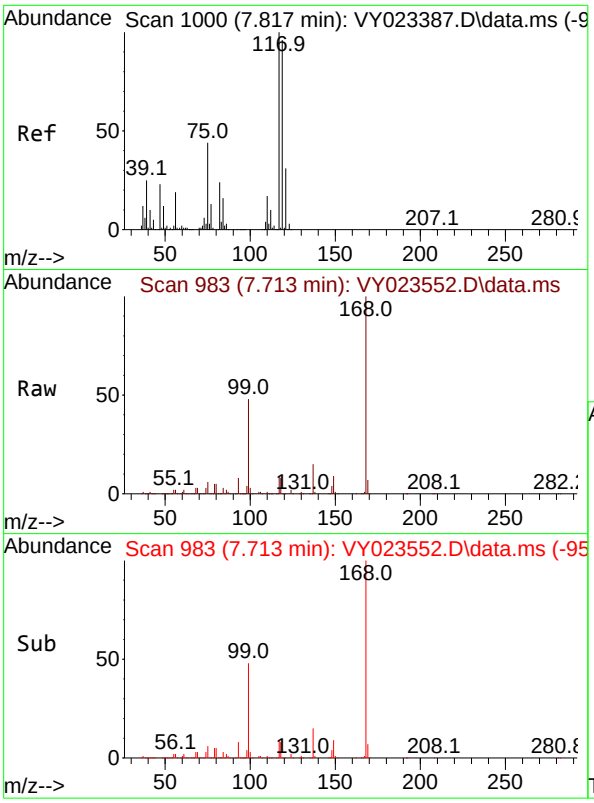


#37
Ethyl Acetate
Concen: 5.126 ug/l
RT: 6.902 min Scan# 850
Delta R.T. -0.079 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Tgt Ion: 43 Resp: 23901

Ion	Ratio	Lower	Upper
43	100		
61	0.8	11.8	17.8#
70	0.0	10.5	15.7#



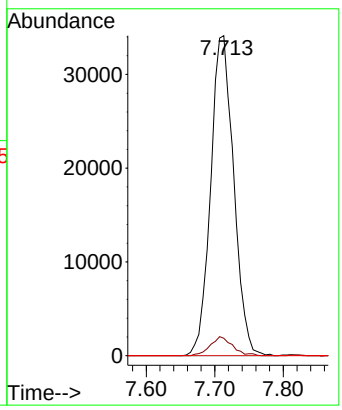


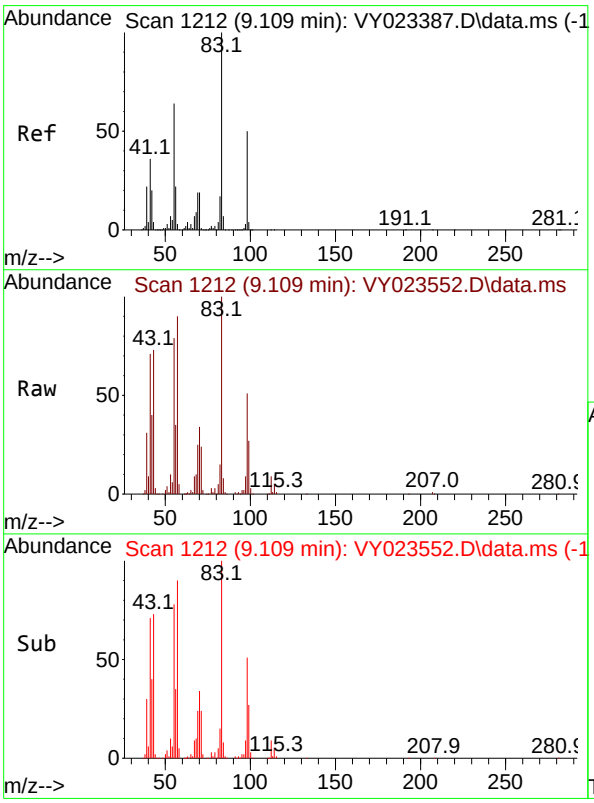
#38
Carbon Tetrachloride
Concen: 5.585 ug/l
RT: 7.713 min Scan# 9
Delta R.T. -0.104 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S16-119133-20251021

Tgt Ion:117 Resp: 79699

Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.8	115.2#
121	0.0	24.5	36.7#

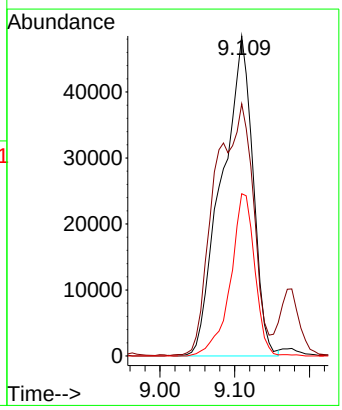


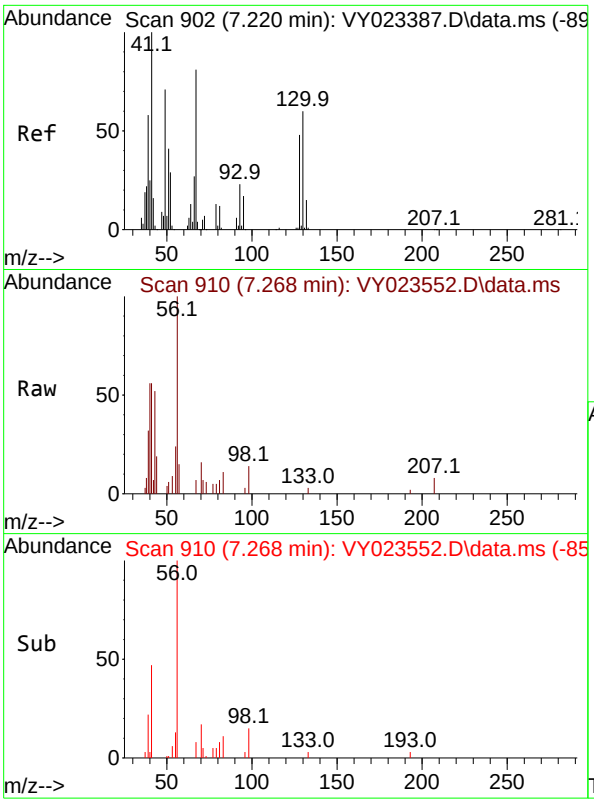


#39
Methylcyclohexane
Concen: 9.139 ug/l
RT: 9.109 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Tgt Ion: 83 Resp: 140047

Ion	Ratio	Lower	Upper
83	100		
55	78.4	51.4	77.2#
98	50.7	40.4	60.6



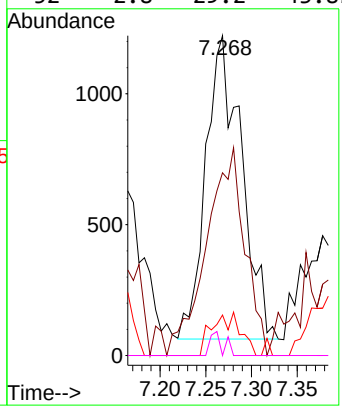


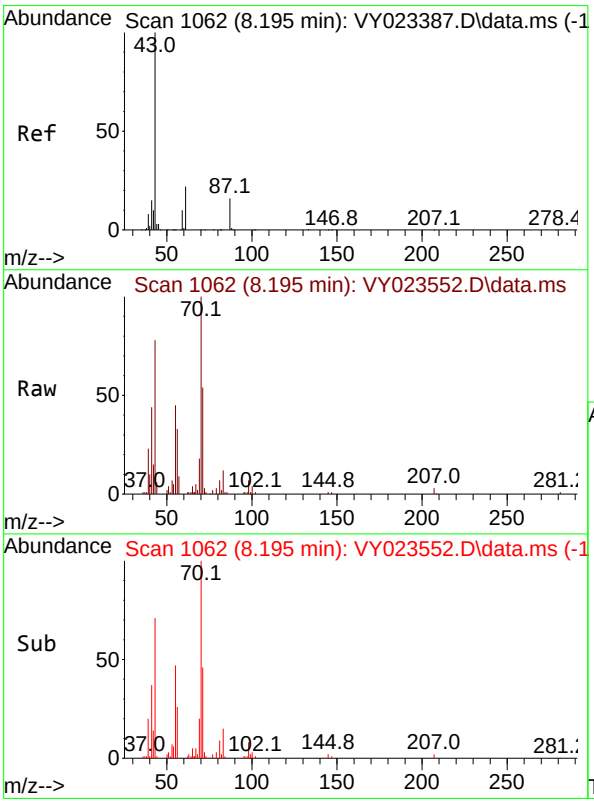
#41
Methacrylonitrile
Concen: 1.250 ug/l
RT: 7.268 min Scan# 91
Delta R.T. 0.049 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S16-119133-20251021

Tgt Ion: 41 Resp: 3152

Ion	Ratio	Lower	Upper
41	100		
39	73.4	52.2	78.4
67	11.2	74.9	112.3#
52	2.8	29.2	43.8#

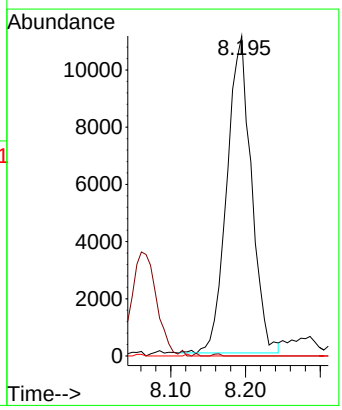


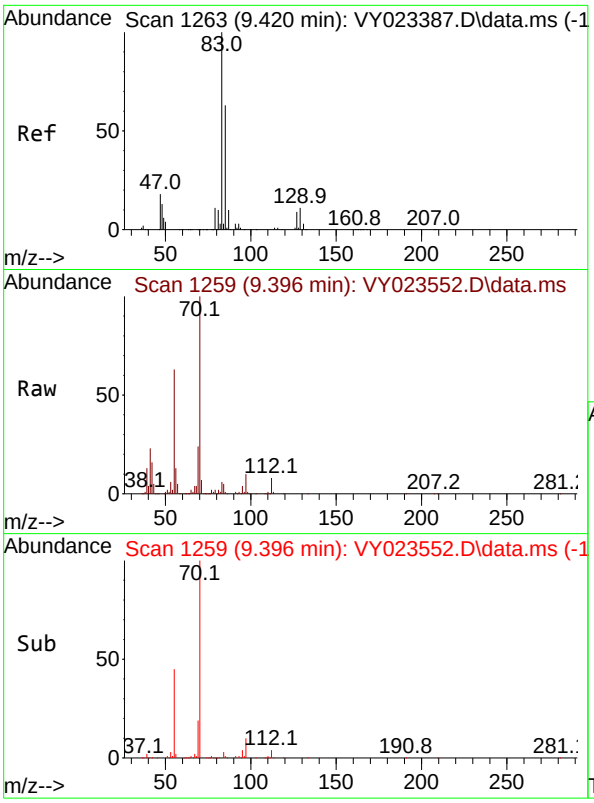


#43
Isopropyl Acetate
Concen: 2.711 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. -0.000 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Tgt Ion: 43 Resp: 25205

Ion	Ratio	Lower	Upper
43	100		
61	0.0	18.1	27.1#
87	0.0	13.5	20.3#



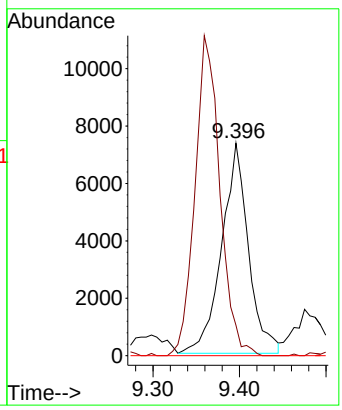


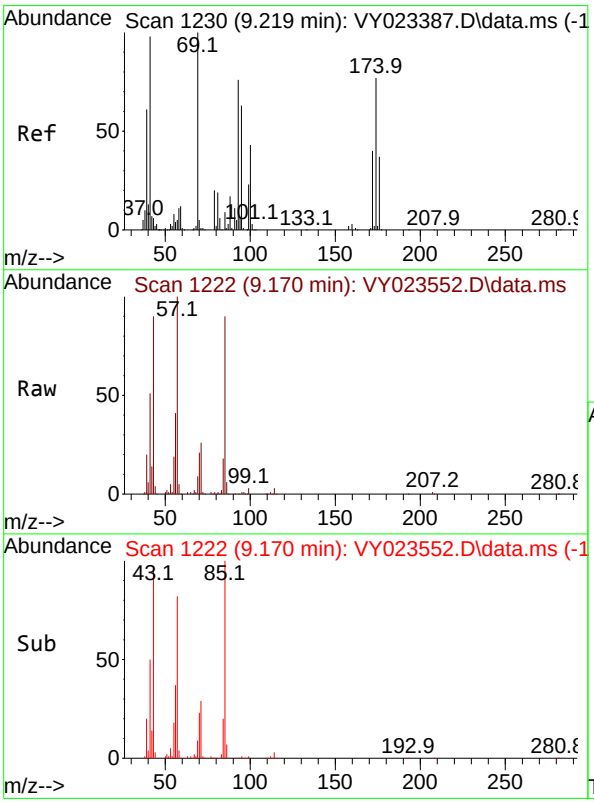
#47
Bromodichloromethane
Concen: 1.197 ug/l
RT: 9.396 min Scan# 1
Delta R.T. -0.025 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S16-119133-20251021

Tgt Ion: 83 Resp: 15700

Ion	Ratio	Lower	Upper
83	100		
85	14.5	50.8	76.2#
127	0.0	7.4	11.2#

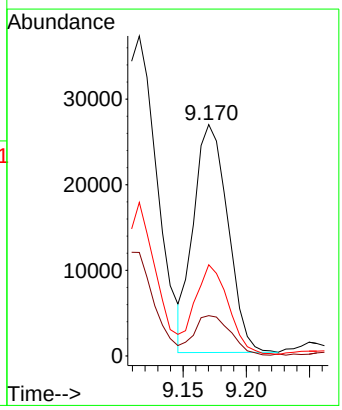


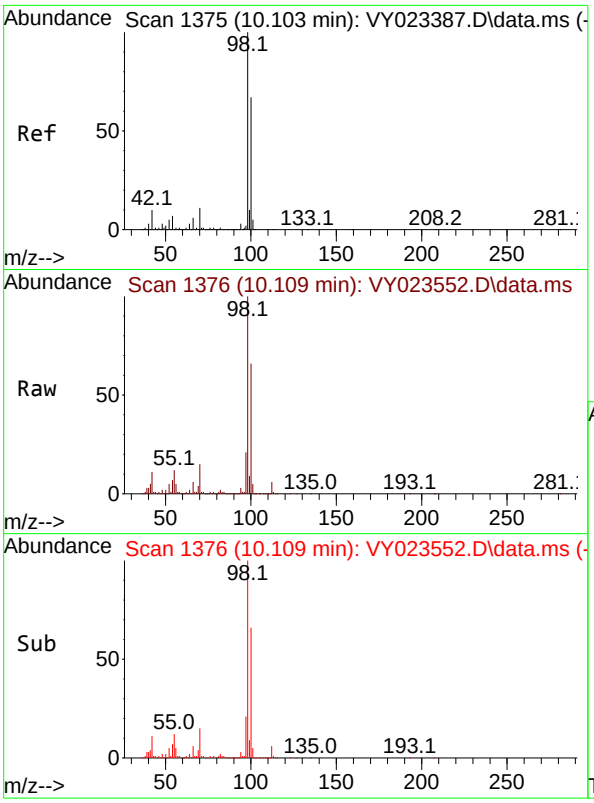


#48
Methyl methacrylate
Concen: 11.522 ug/l
RT: 9.170 min Scan# 1222
Delta R.T. -0.049 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Tgt Ion: 41 Resp: 50330

Ion	Ratio	Lower	Upper
41	100		
69	18.6	81.0	121.4#
39	38.7	48.2	72.4#



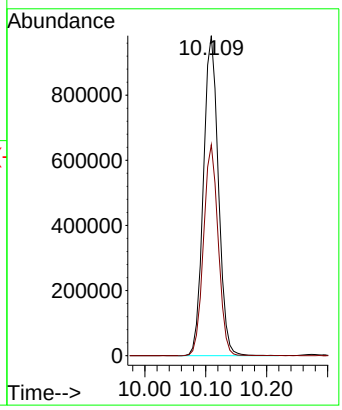


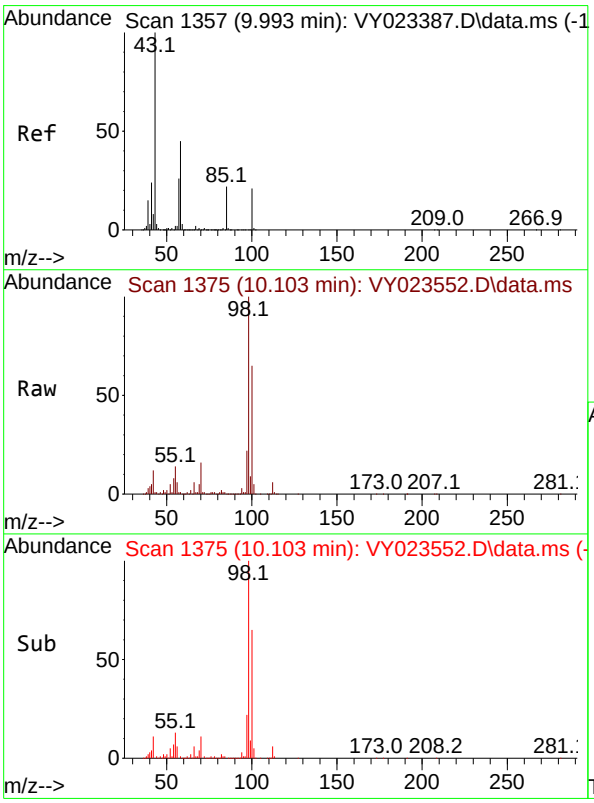
#50
Toluene-d8
Concen: 50.627 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S16-119133-20251021

Tgt Ion: 98 Resp: 1676161

Ion	Ratio	Lower	Upper
98	100		
100	64.5	53.0	79.4

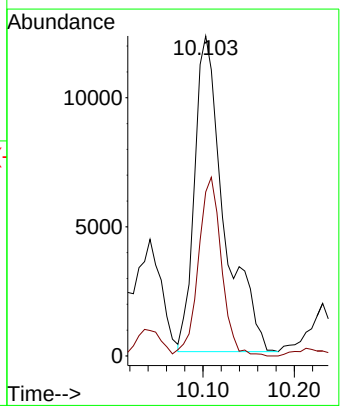


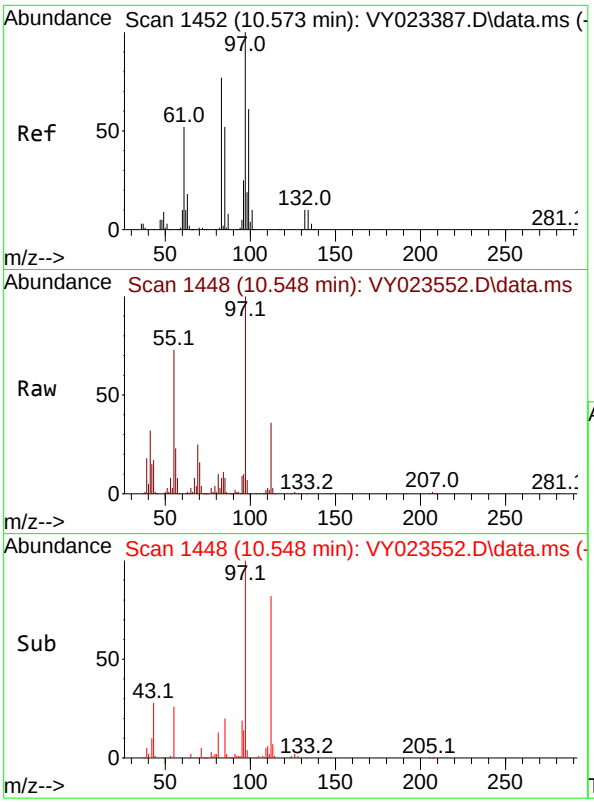


#51
4-Methyl-2-Pentanone
Concen: 5.717 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Tgt Ion: 43 Resp: 27463

Ion	Ratio	Lower	Upper
43	100		
58	44.2	35.3	52.9



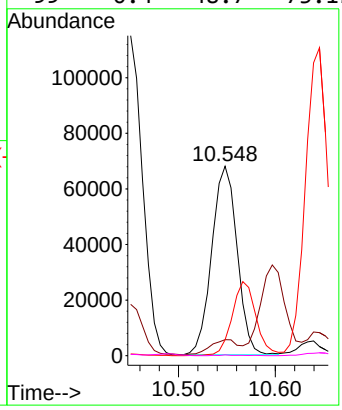


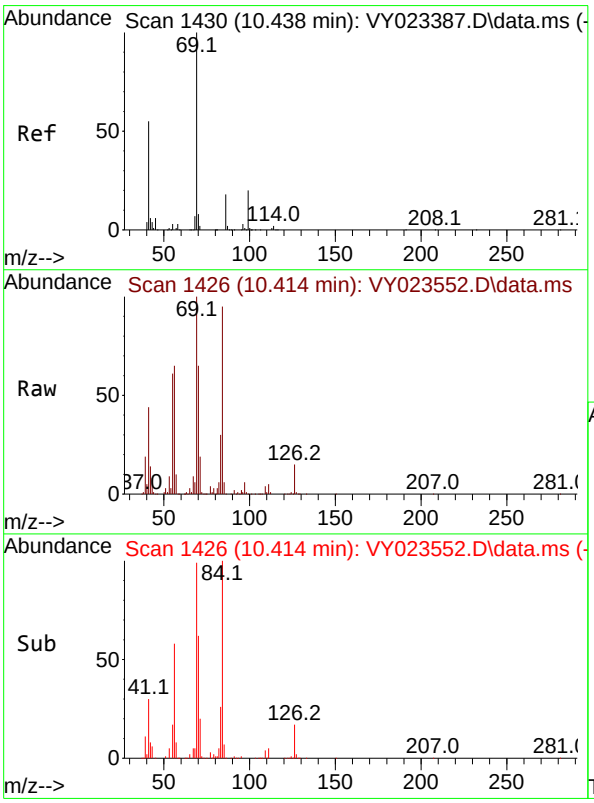
#55
1,1,2-Trichloroethane
Concen: 17.643 ug/l
RT: 10.548 min Scan# 14
Delta R.T. -0.025 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S16-119133-20251021

Tgt Ion: 97 Resp: 123511

Ion	Ratio	Lower	Upper
97	100		
83	7.9	61.8	92.6#
85	8.4	41.3	61.9#
99	0.4	48.7	73.1#

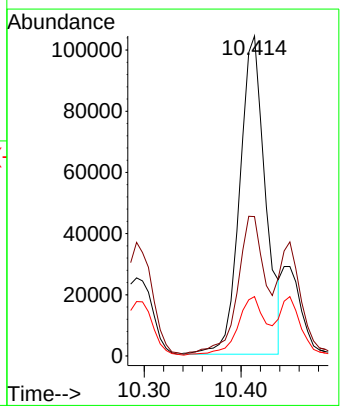


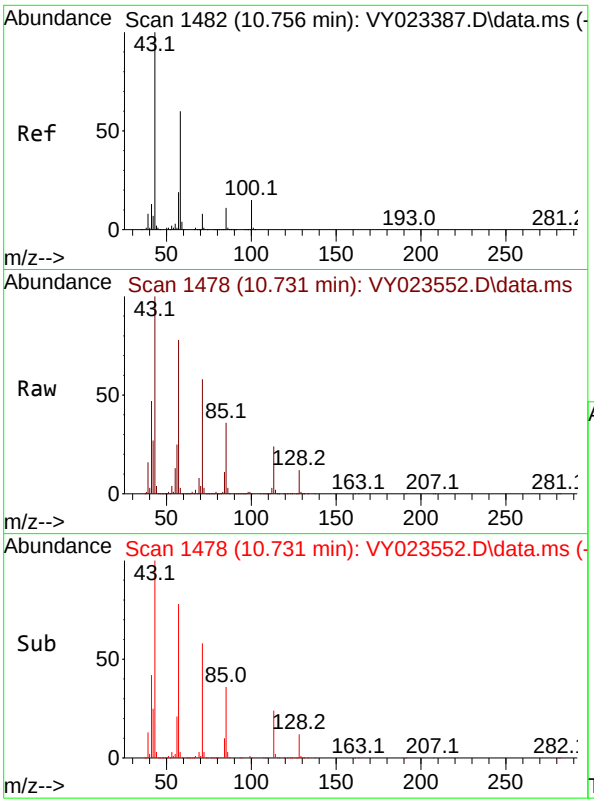


#56
Ethyl methacrylate
Concen: 23.793 ug/l
RT: 10.414 min Scan# 1426
Delta R.T. -0.025 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Tgt Ion: 69 Resp: 192137

Ion	Ratio	Lower	Upper
69	100		
41	46.4	44.6	67.0
39	20.1	27.0	40.4#



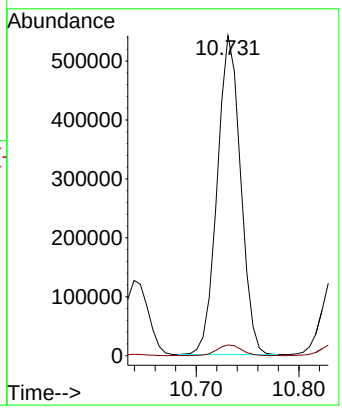


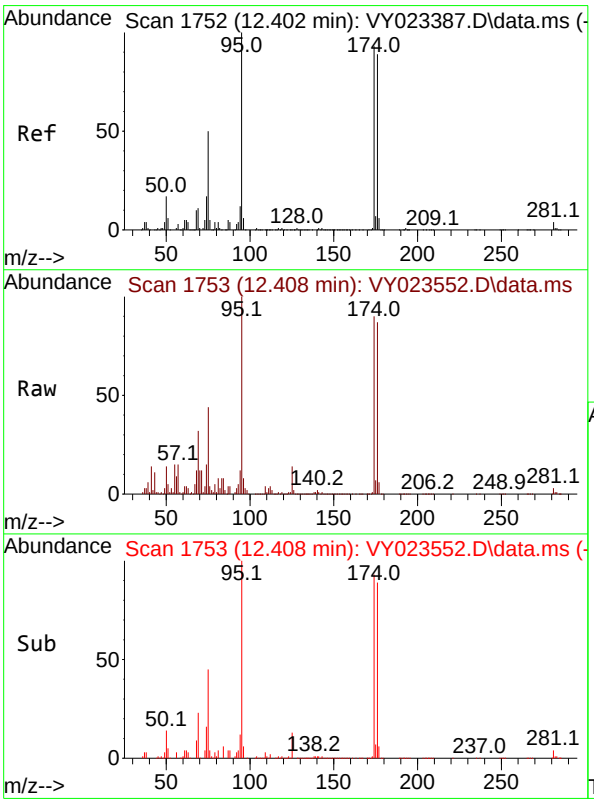
#59
2-Hexanone
Concen: 248.836 ug/l
RT: 10.731 min Scan# 14
Delta R.T. -0.025 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S16-119133-20251021

Tgt Ion: 43 Resp: 854266

Ion	Ratio	Lower	Upper
43	100		
58	3.6	30.5	91.5#

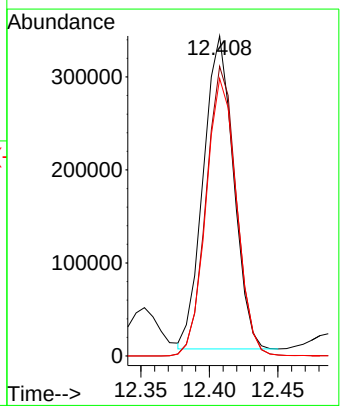


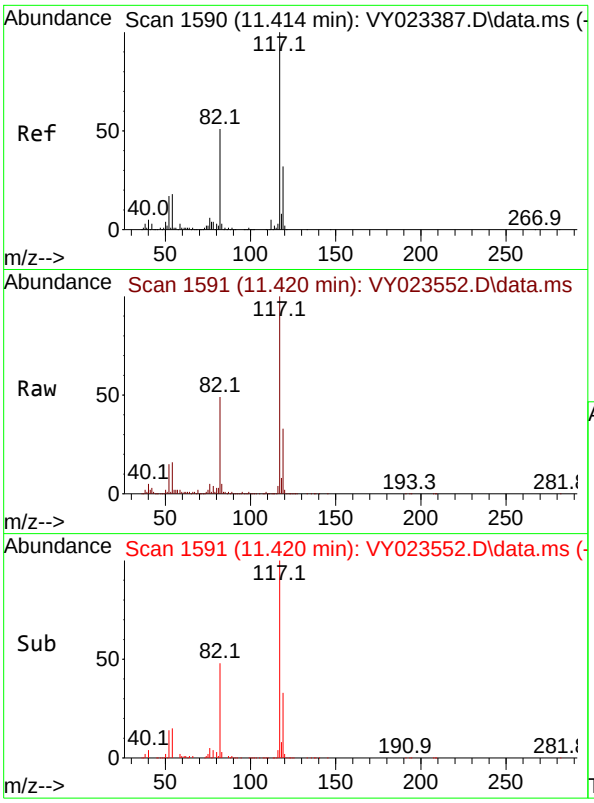


#62
4-Bromofluorobenzene
Concen: 47.140 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Tgt Ion: 95 Resp: 515265

Ion	Ratio	Lower	Upper
95	100		
174	92.8	0.0	192.8
176	90.0	0.0	187.6



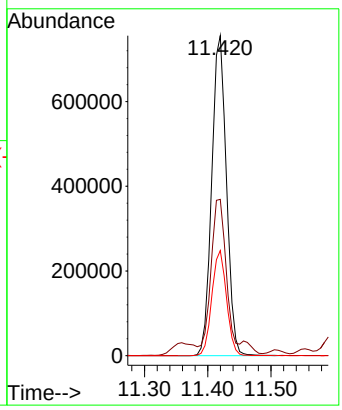


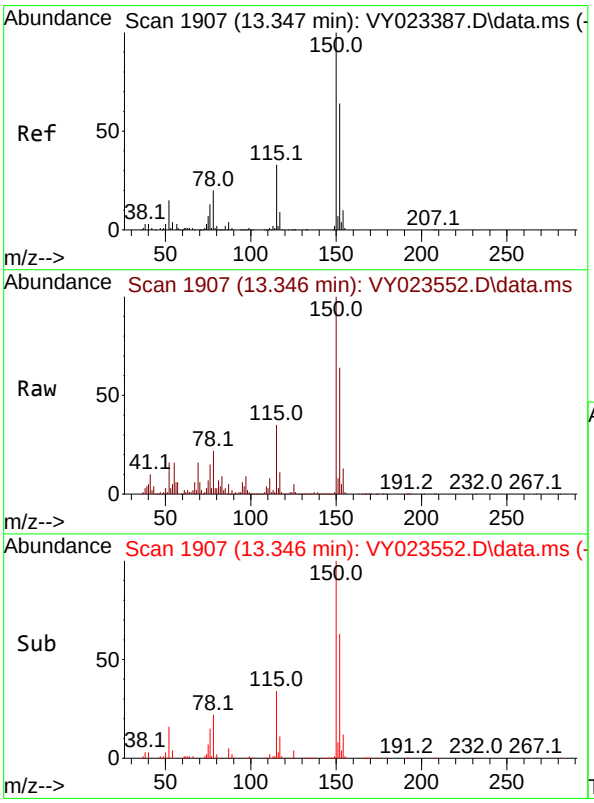
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S16-119133-20251021

Tgt Ion:117 Resp: 1218442

Ion	Ratio	Lower	Upper
117	100		
82	47.1	41.0	61.4
119	32.8	25.6	38.4

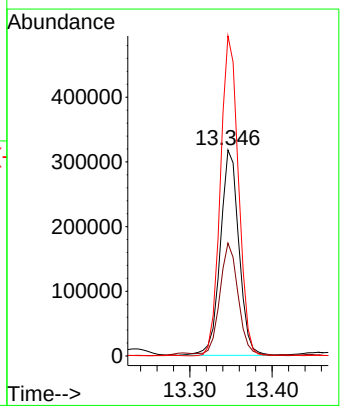


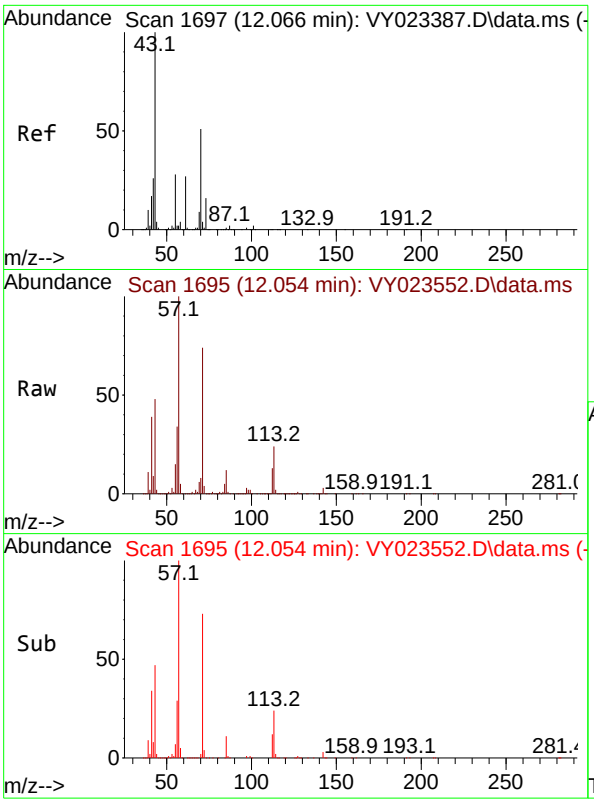


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Tgt Ion:152 Resp: 499022

Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.1	81.2
150	150.9	0.0	347.4



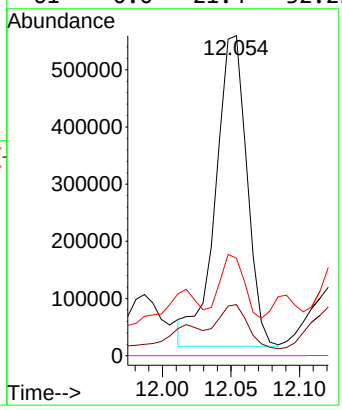


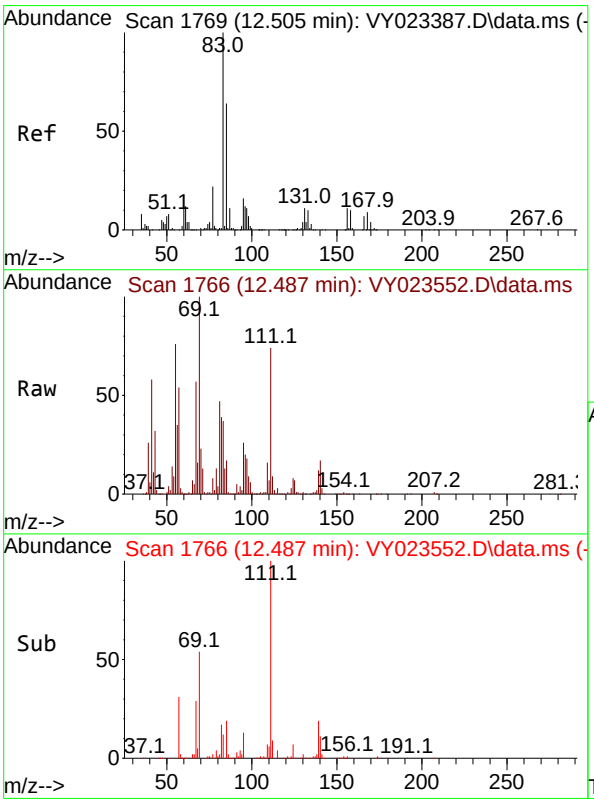
#74
N-amyl acetate
Concen: 146.718 ug/l
RT: 12.054 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S16-119133-20251021

Tgt Ion: 43 Resp: 866641

Ion	Ratio	Lower	Upper
43	100		
70	13.9	41.1	61.7#
55	28.1	23.0	34.6
61	0.0	21.4	32.2#

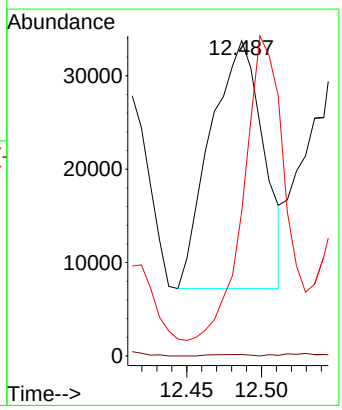


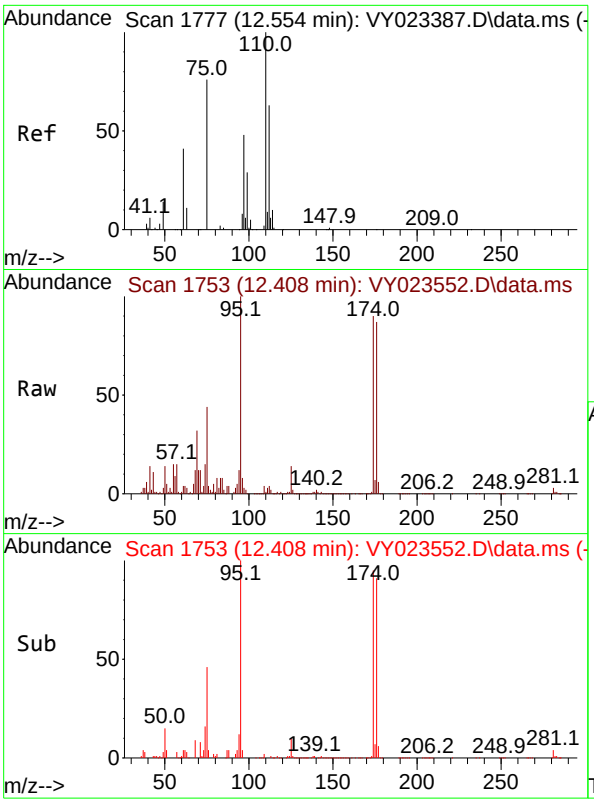


#75
1,1,2,2-Tetrachloroethane
Concen: 12.129 ug/l
RT: 12.487 min Scan# 1766
Delta R.T. -0.018 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Tgt Ion: 83 Resp: 65237

Ion	Ratio	Lower	Upper
83	100		
131	0.4	5.9	17.6#
85	94.7	31.8	95.3



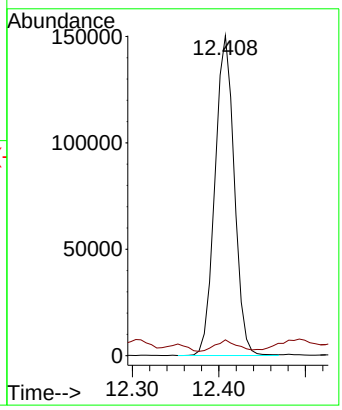


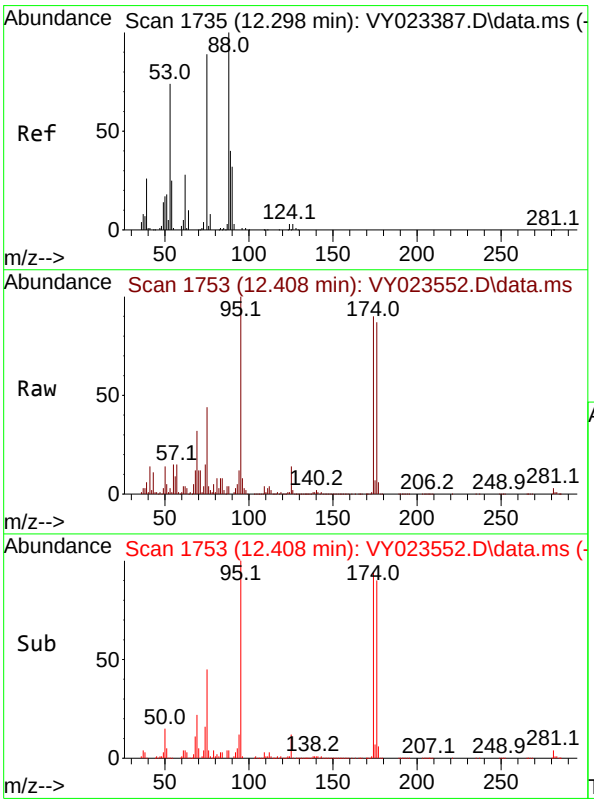
#76
1,2,3-Trichloropropane
Concen: 52.882 ug/l
RT: 12.408 min Scan# 1
Delta R.T. -0.146 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S16-119133-20251021

Tgt Ion: 75 Resp: 232825

Ion	Ratio	Lower	Upper
75	100		
77	3.9	0.0	0.0#

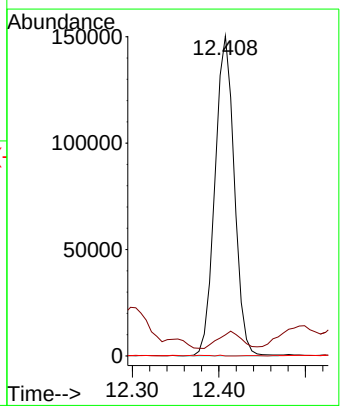


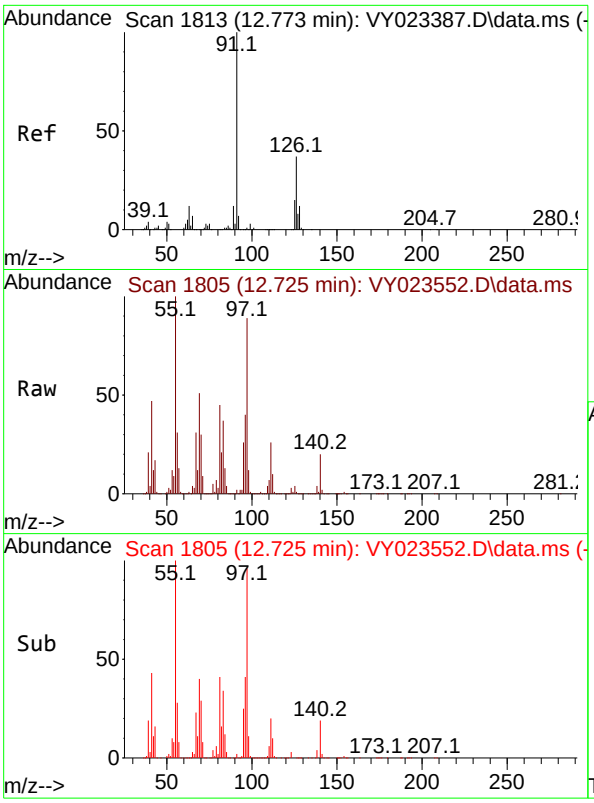


#81
trans-1,4-Dichloro-2-butene
Concen: 129.677 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Tgt Ion: 75 Resp: 232825

Ion	Ratio	Lower	Upper
75	100		
53	6.3	68.6	102.8#
89	0.0	39.0	58.4#



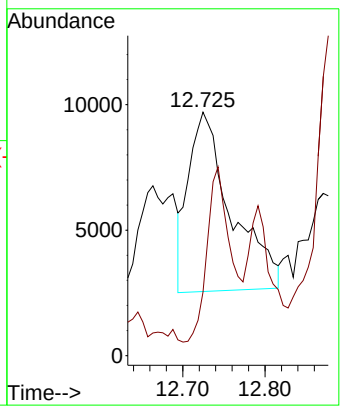


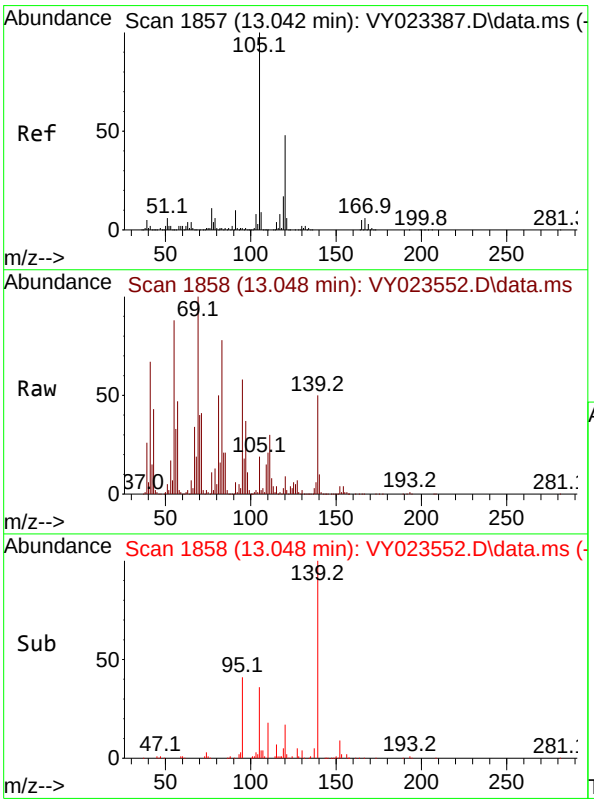
#82
4-Chlorotoluene
Concen: 1.131 ug/l
RT: 12.725 min Scan# 1
Delta R.T. -0.049 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S16-119133-20251021

Tgt Ion: 91 Resp: 25950

Ion	Ratio	Lower	Upper
91	100		
126	54.5	18.4	55.4

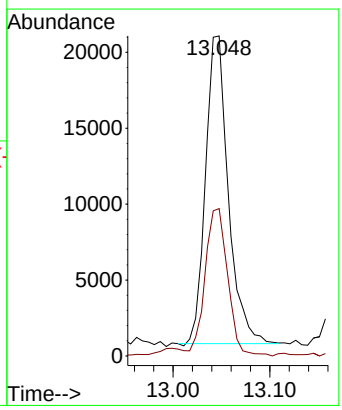


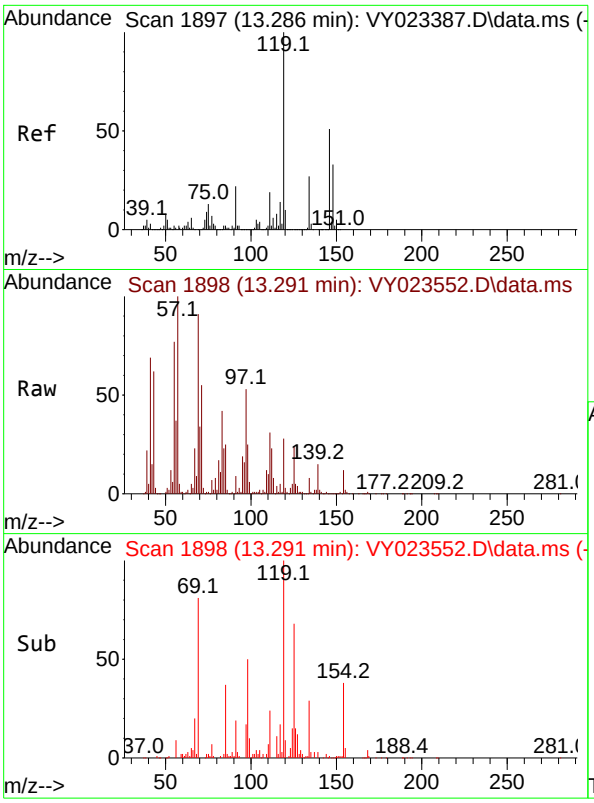


#84
1,2,4-Trimethylbenzene
Concen: 1.253 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Tgt Ion:105 Resp: 33222

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.8	71.2



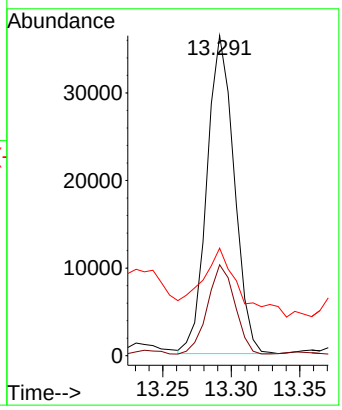


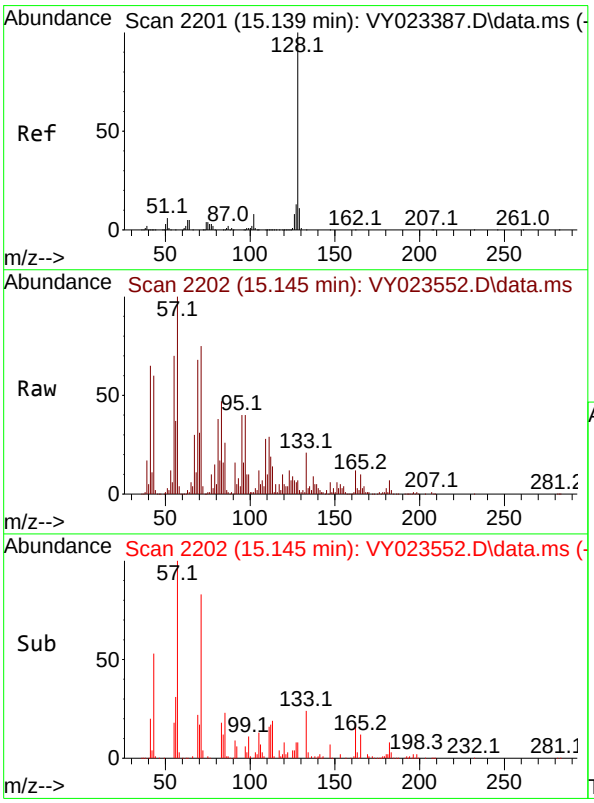
#86
p-Isopropyltoluene
Concen: 1.678 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S16-119133-20251021

Tgt Ion:119 Resp: 50271

Ion	Ratio	Lower	Upper
119	100		
134	29.0	13.6	40.7
91	30.8	10.9	32.9

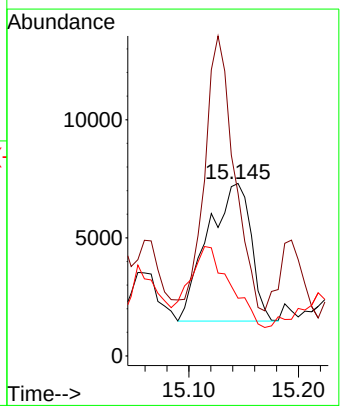


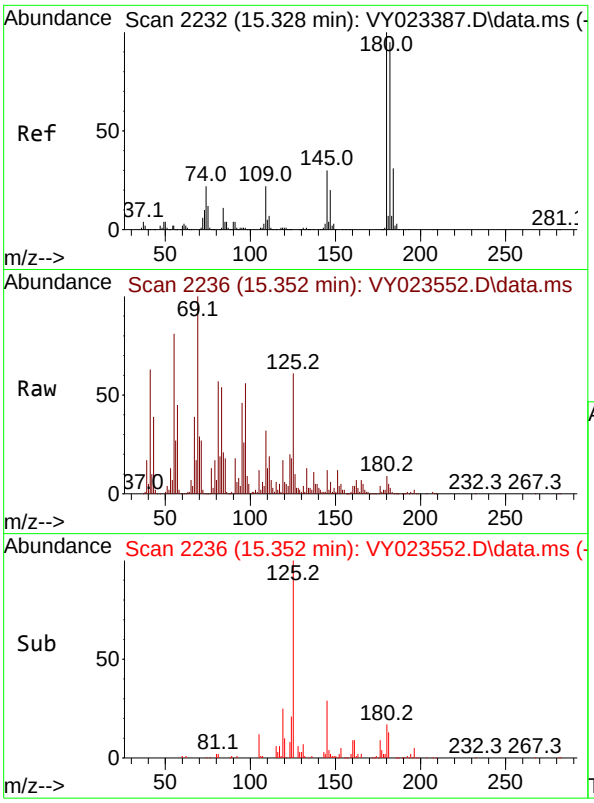


#95
Naphthalene
Concen: 1.074 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Tgt Ion:128 Resp: 15921

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.9	13.3#





#96
1,2,3-Trichlorobenzene
Concen: 1.025 ug/l
RT: 15.352 min Scan# 2
Delta R.T. 0.024 min
Lab File: VY023552.D
Acq: 22 Oct 2025 15:34

Instrument :
MSVOA_Y
ClientSampleId :
PR132-S16-119133-20251021

Tgt Ion:180 Resp: 8261

Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.9	143.8#
145	0.0	15.3	45.9#