Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032385.D
Acq On : 20 Oct 2025 13:50
Operator : SY/MD
Sample : Q3375-03
Misc : 5.09g/5mL/MSVOA_W/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-000057-20251016

Quant Time: Oct 21 01:26:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.965	168	183471	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	434639	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	460571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	221559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	193822	72.429	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 144.860%			
35) Dibromofluoromethane	7.898	113	165721	58.876	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 117.760%			
50) Toluene-d8	10.325	98	616419	59.336	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 118.680%			
62) 4-Bromofluorobenzene	12.617	95	250023	63.674	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 127.340%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.210	59	1903	9.395	ug/l #	65
13) Acrolein	3.924	56	926	2.817	ug/l #	14
16) Acetone	4.161	43	135620	183.029	ug/l	96
17) Carbon Disulfide	4.417	76	50963	9.033	ug/l	96
18) Methyl Acetate	4.716	43	6314	2.975	ug/l #	68
20) Methylene Chloride	4.966	84	13072	Below Cal		98
25) 2-Butanone	7.197	43	51481	51.013	ug/l	94
31) Cyclohexane	7.965	56	19629	5.210	ug/l #	74
36) 1,1-Dichloropropene	7.965	75	18064	4.547	ug/l #	54
37) Ethyl Acetate	7.197	43	51481	19.470	ug/l #	69
38) Carbon Tetrachloride	7.965	117	21312	5.701	ug/l #	17
39) Methylcyclohexane	9.343	83	88897	18.552	ug/l #	82
40) Benzene	8.337	78	38535	3.095	ug/l	94
43) Isopropyl Acetate	8.435	43	10216	2.178	ug/l #	54
47) Bromodichloromethane	9.624	83	7813	1.787	ug/l #	35
48) Methyl methacrylate	9.471	41	6857	3.007	ug/l #	21
49) 1,4-Dioxane	9.593	88	50	1.914	ug/l #	1
51) 4-Methyl-2-Pentanone	10.252	43	27905	10.271	ug/l #	77
55) 1,1,2-Trichloroethane	10.764	97	29454	11.531	ug/l #	38
56) Ethyl methacrylate	10.624	69	30728	8.595	ug/l #	87
59) 2-Hexanone	10.934	43	139121	72.605	ug/l #	30
68) m/p-Xylenes	11.837	106	10473	1.608	ug/l	78
69) o-Xylene	12.166	106	39936	6.556	ug/l	91
74) N-amyl acetate	12.251	43	266228	55.055	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	12.690	83	34542	9.178	ug/l #	26
76) 1,2,3-Trichloropropane	12.617	75	113416	38.900	ug/l #	1
79) 2-Chlorotoluene	12.934	91	11762	1.016	ug/l	87
80) 1,3,5-Trimethylbenzene	12.940	105	41327	3.153	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.617	75	113416	98.544	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.251	105	45206	3.392	ug/l	99

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

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032385.D
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PR132-S05-000057-20251016

Quant Time: Oct 21 01:26:31 2025
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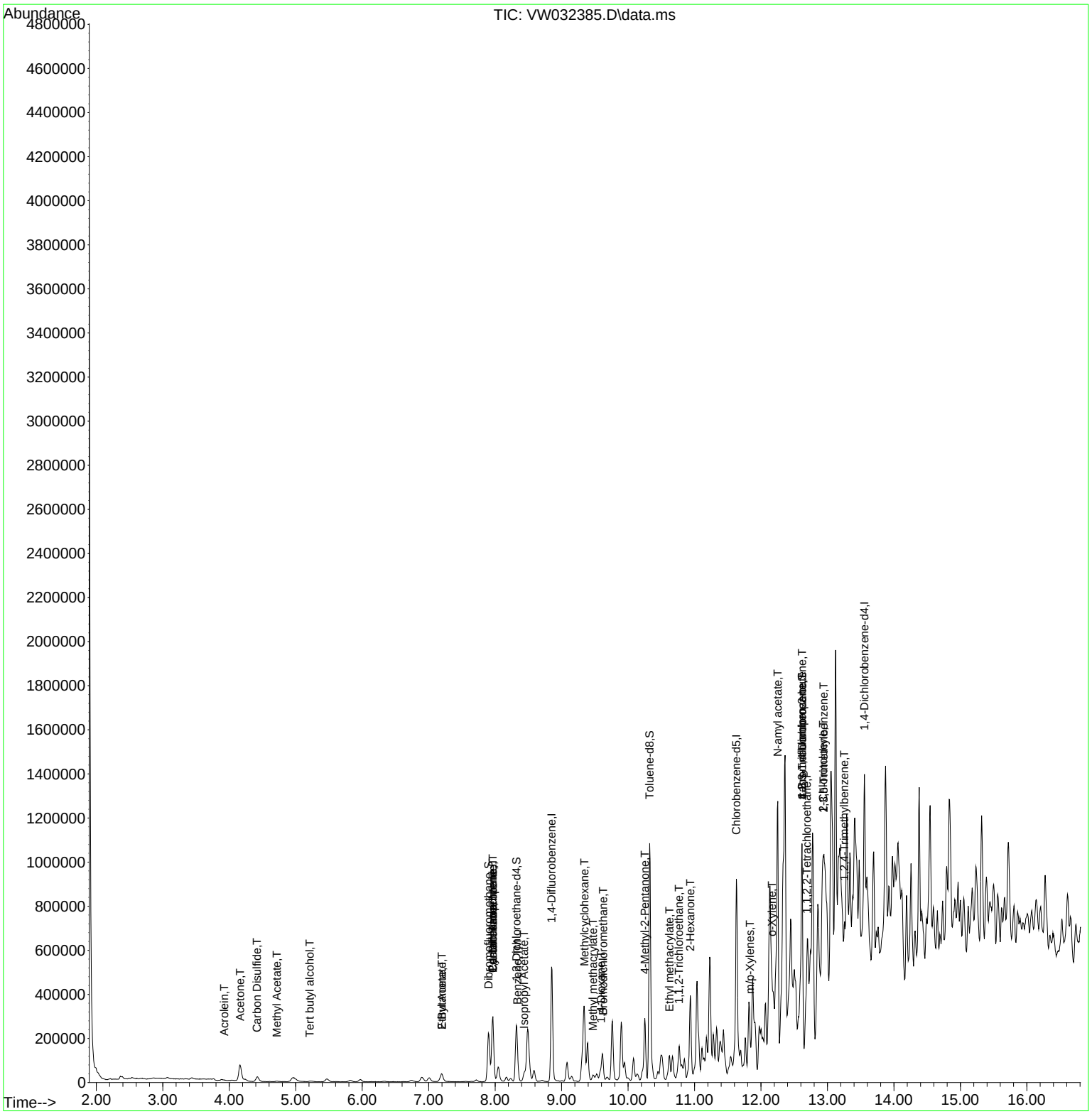
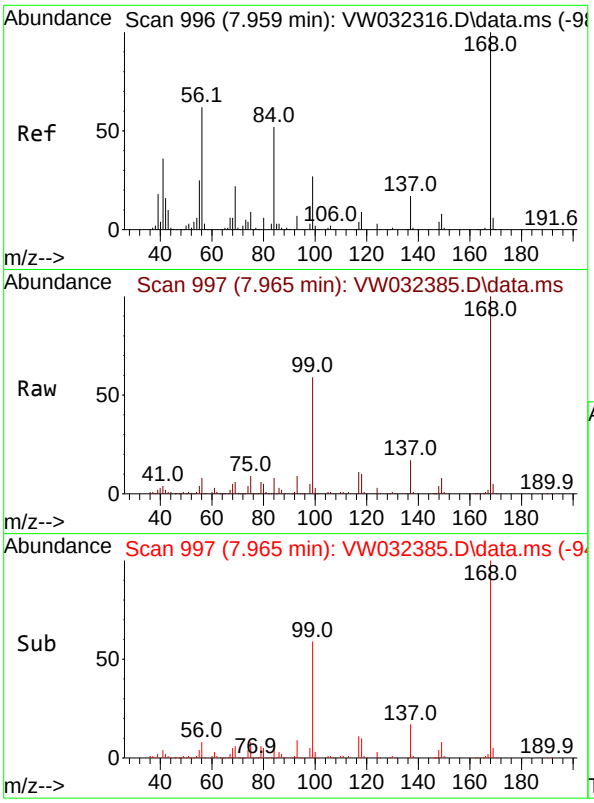
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration



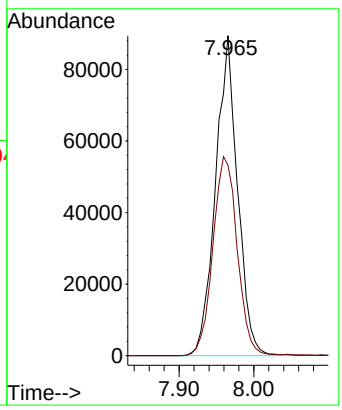


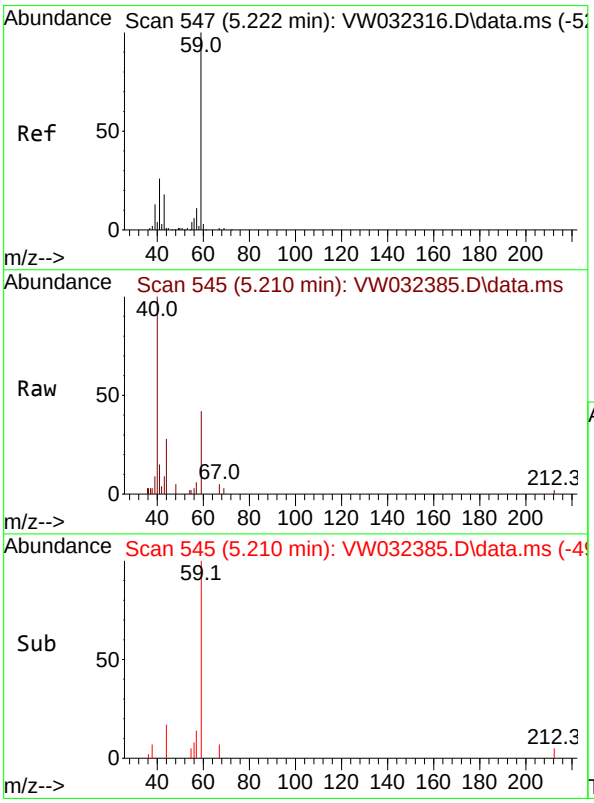
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-000057-20251016

Tgt Ion:168 Resp: 183471

Ion	Ratio	Lower	Upper
168	100		
99	59.5	49.3	73.9

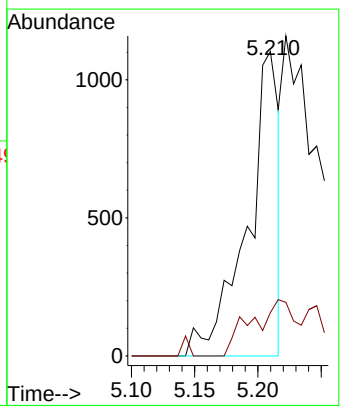


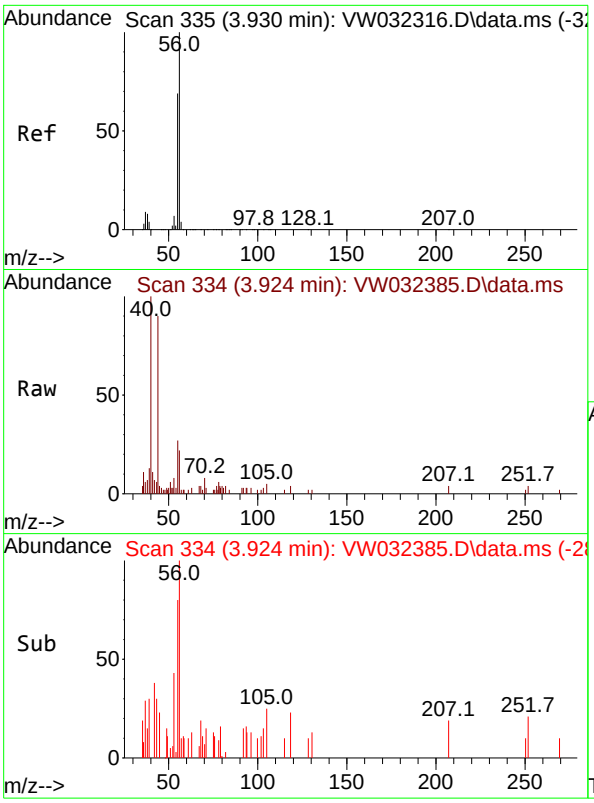


#11
Tert butyl alcohol
Concen: 9.395 ug/l
RT: 5.210 min Scan# 545
Delta R.T. -0.012 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Tgt Ion: 59 Resp: 1903

Ion	Ratio	Lower	Upper
59	100		
57	25.8	9.8	14.6#



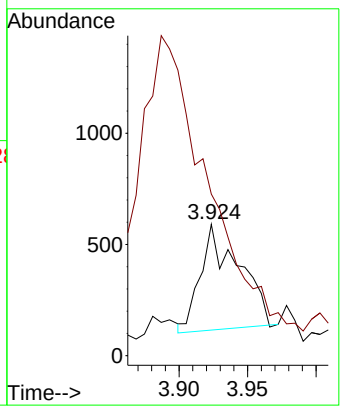


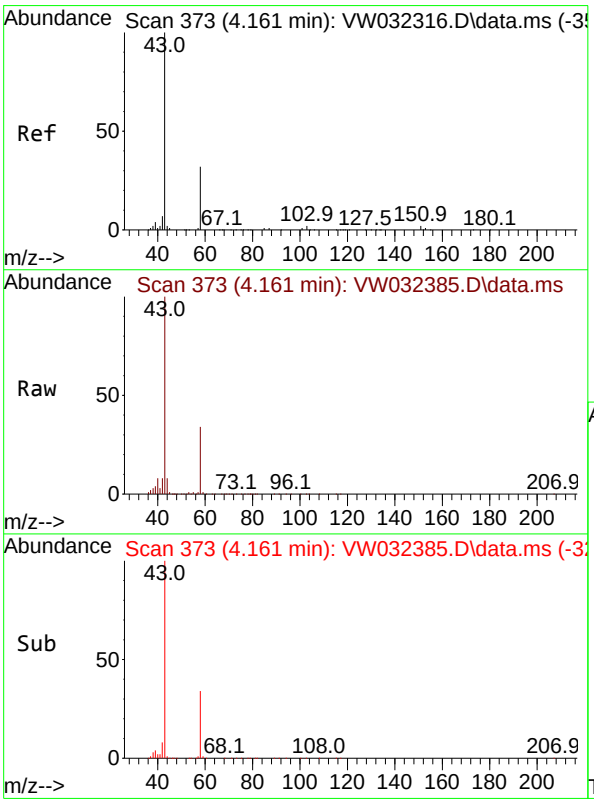
#13
Acrolein
Concen: 2.817 ug/l
RT: 3.924 min Scan# 3
Delta R.T. -0.006 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-000057-20251016

Tgt Ion: 56 Resp: 926

Ion	Ratio	Lower	Upper
56	100		
55	0.0	56.4	84.6#

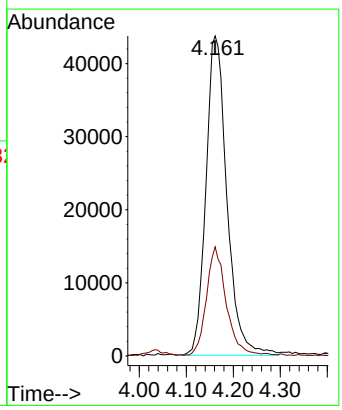


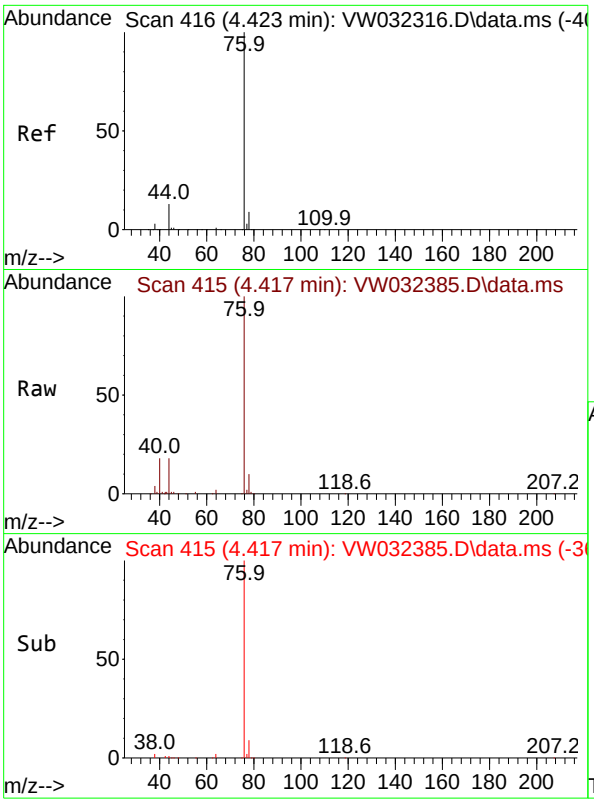


#16
Acetone
Concen: 183.029 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Tgt Ion: 43 Resp: 135620

Ion	Ratio	Lower	Upper
43	100		
58	33.9	25.3	37.9



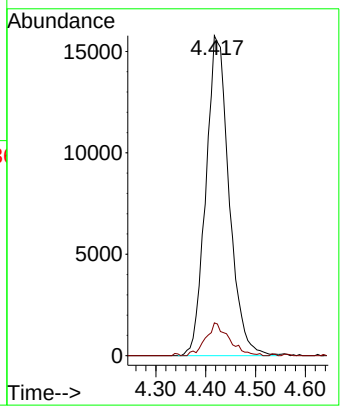


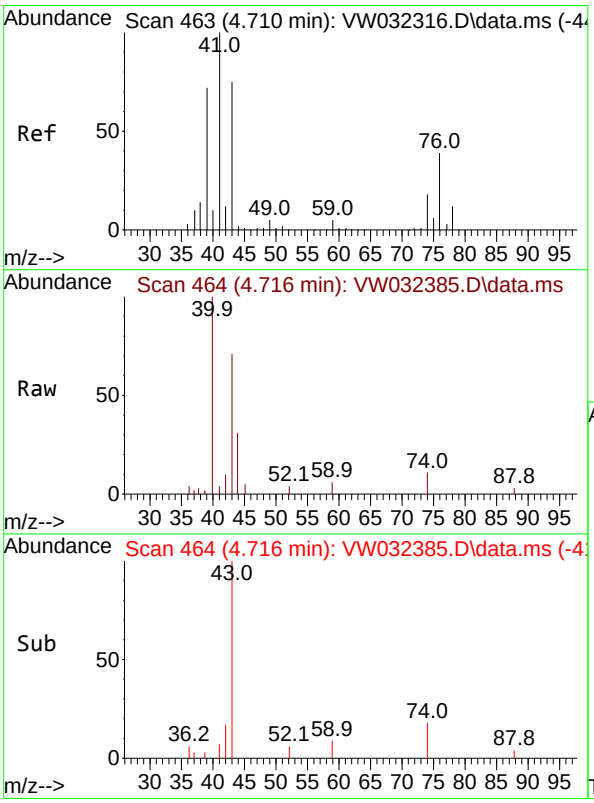
#17
Carbon Disulfide
Concen: 9.033 ug/l
RT: 4.417 min Scan# 4
Delta R.T. -0.006 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-000057-20251016

Tgt Ion: 76 Resp: 50963

Ion	Ratio	Lower	Upper
76	100		
78	10.3	7.0	10.6

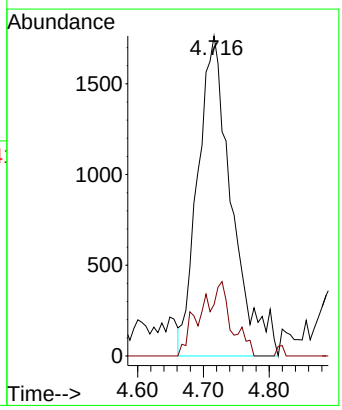


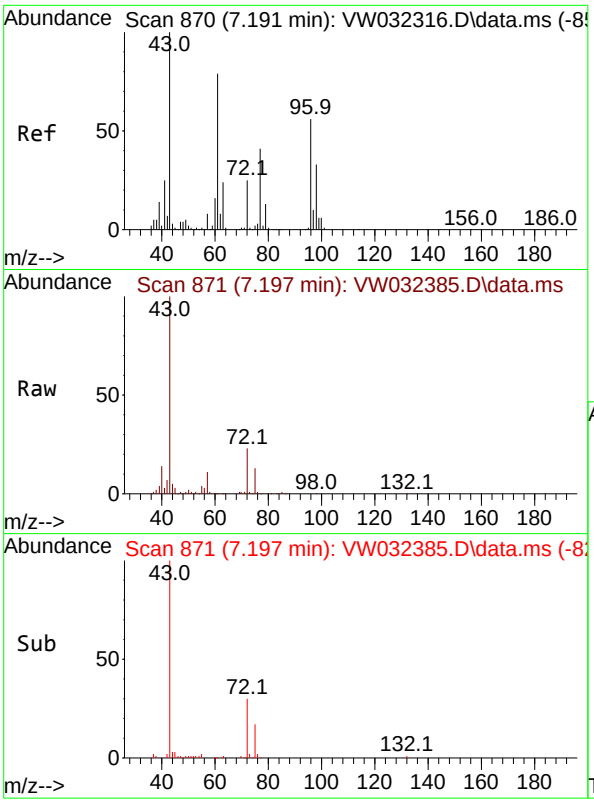


#18
Methyl Acetate
Concen: 2.975 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Tgt Ion: 43 Resp: 6314

Ion	Ratio	Lower	Upper
43	100		
74	9.2	20.2	30.4#



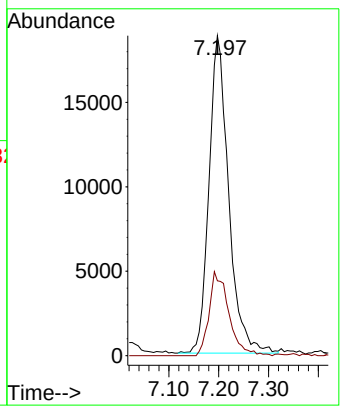


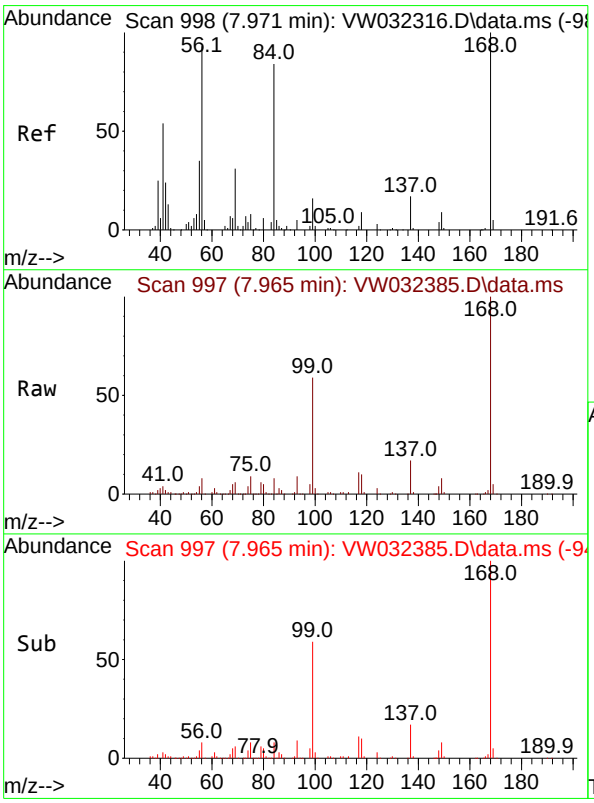
#25
2-Butanone
Concen: 51.013 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-000057-20251016

Tgt Ion: 43 Resp: 51481

Ion	Ratio	Lower	Upper
43	100		
72	23.6	21.4	32.2

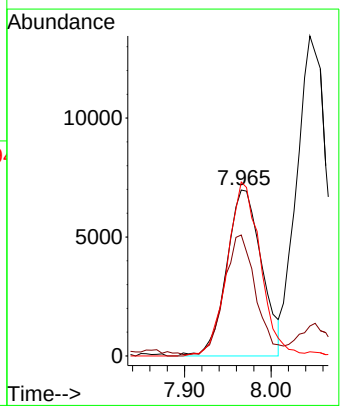


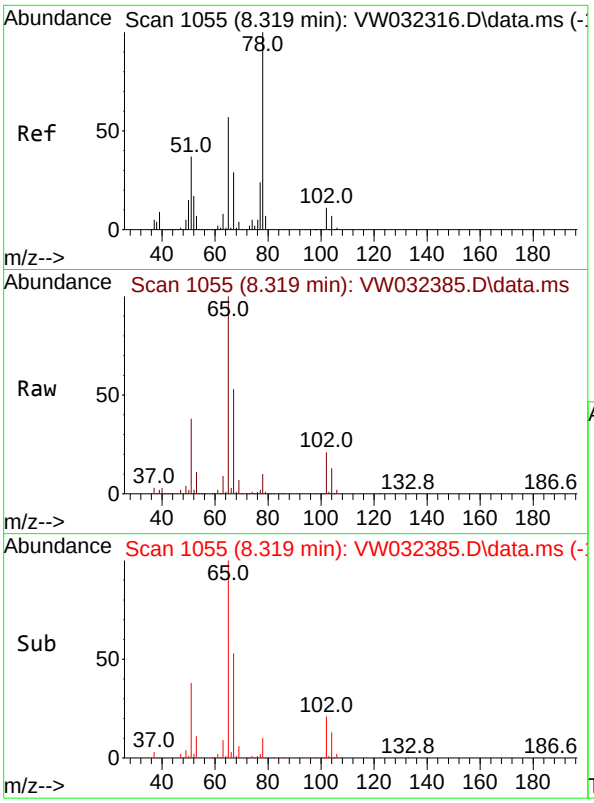


#31
Cyclohexane
Concen: 5.210 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Tgt Ion: 56 Resp: 19629

Ion	Ratio	Lower	Upper
56	100		
69	71.1	27.7	41.5#
84	104.8	74.6	112.0



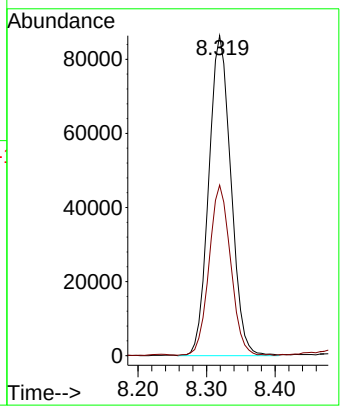


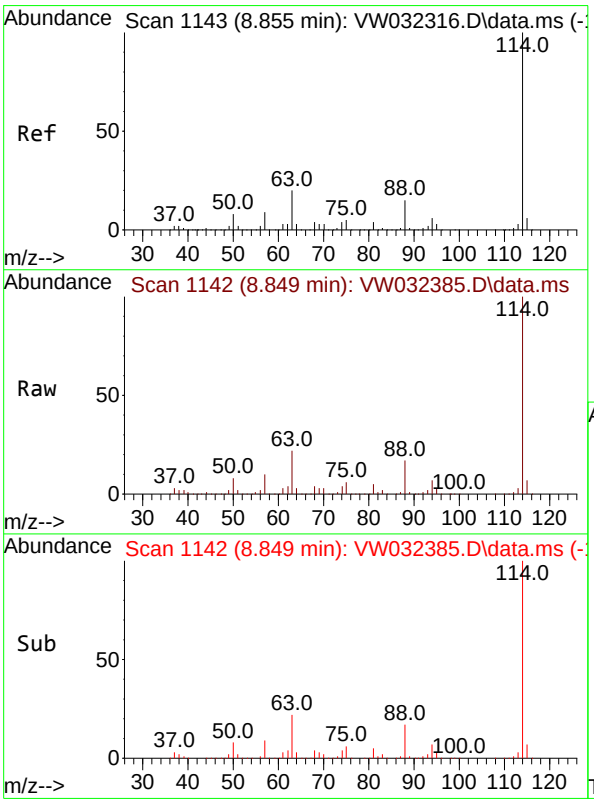
#33
1,2-Dichloroethane-d4
Concen: 72.429 ug/l
RT: 8.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-000057-20251016

Tgt Ion: 65 Resp: 193822

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	99.6

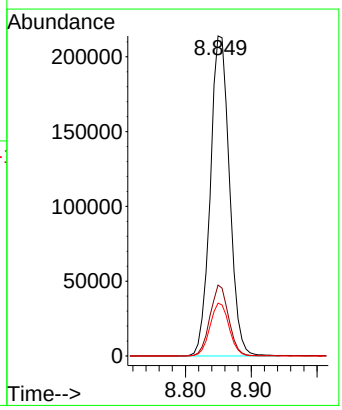


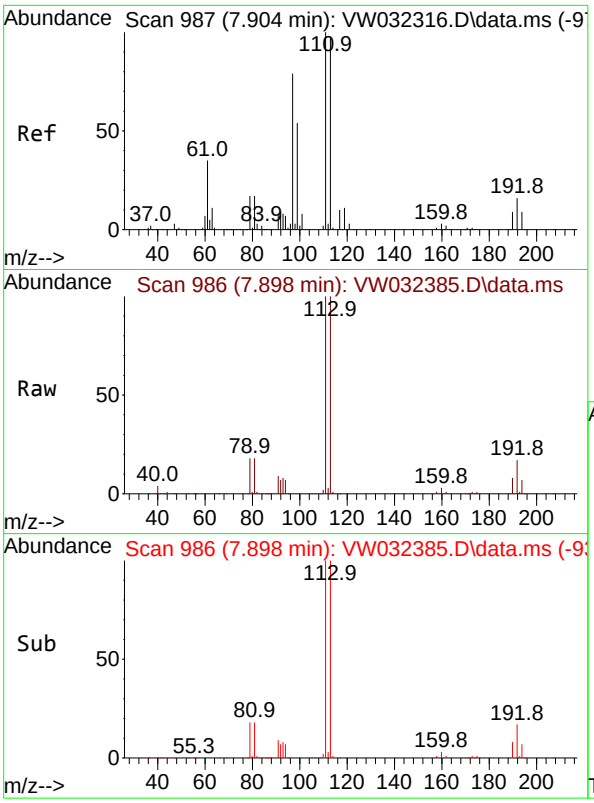


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Tgt Ion:114 Resp: 434639

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	40.4
88	16.5	0.0	32.0



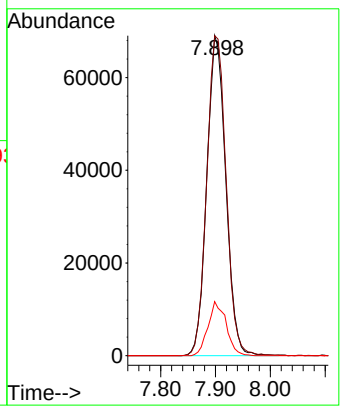


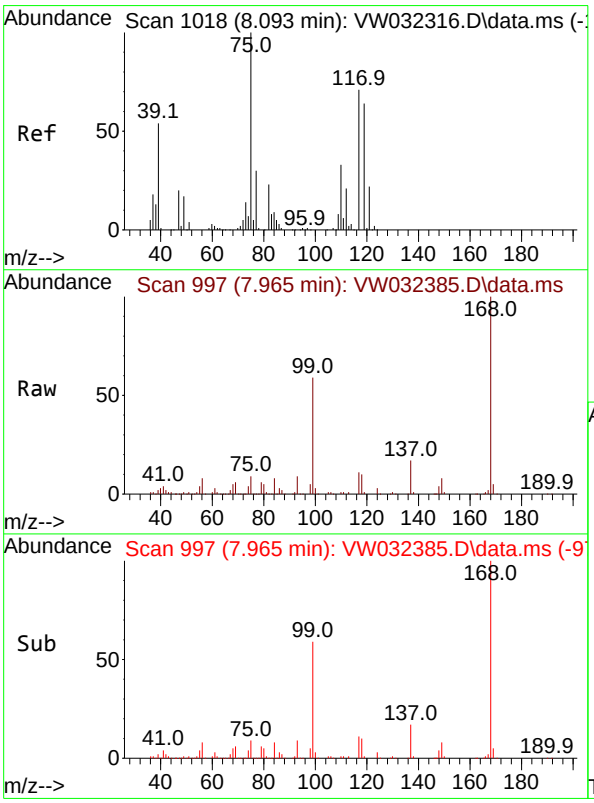
#35
Dibromofluoromethane
Concen: 58.876 ug/l
RT: 7.898 min Scan# 9
Delta R.T. -0.006 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-000057-20251016

Tgt Ion:113 Resp: 165721

Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.9	125.9
192	16.2	14.6	21.8

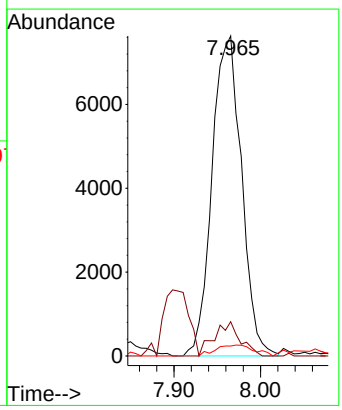


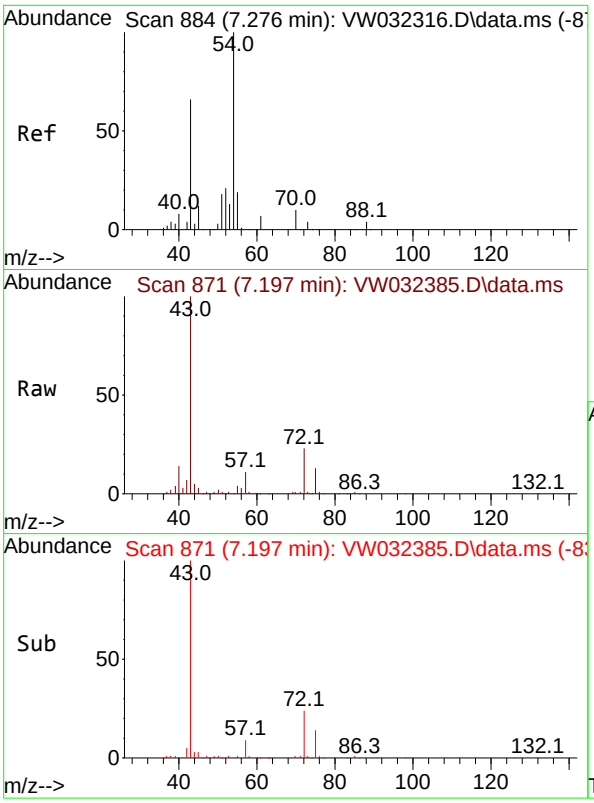


#36
1,1-Dichloropropene
Concen: 4.547 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.134 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Tgt Ion: 75 Resp: 18064

Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.5	52.5#
77	4.4	24.1	36.1#



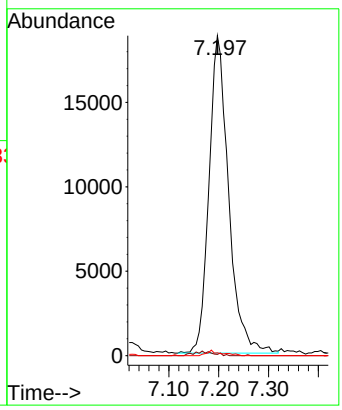


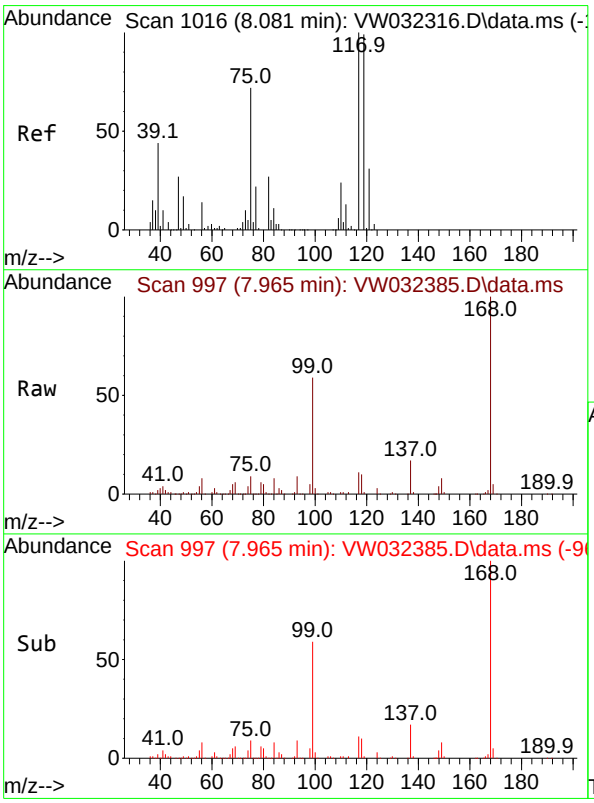
#37
Ethyl Acetate
Concen: 19.470 ug/l
RT: 7.197 min Scan# 8
Delta R.T. -0.079 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-000057-20251016

Tgt Ion: 43 Resp: 51481

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.3	16.9#
70	0.9	8.9	13.3#

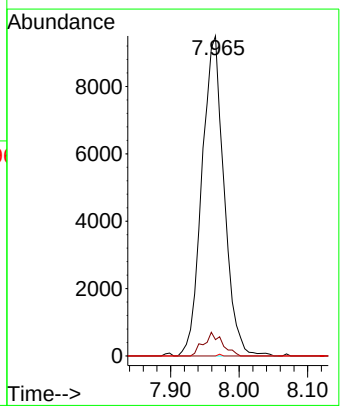


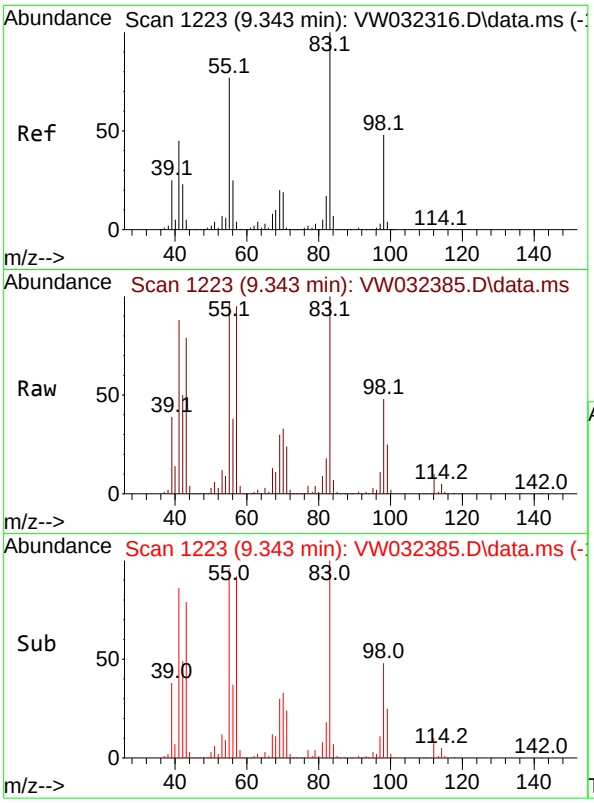


#38
Carbon Tetrachloride
Concen: 5.701 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.122 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Tgt Ion:117 Resp: 21312

Ion	Ratio	Lower	Upper
117	100		
119	5.1	74.2	111.2#
121	0.0	25.6	38.4#



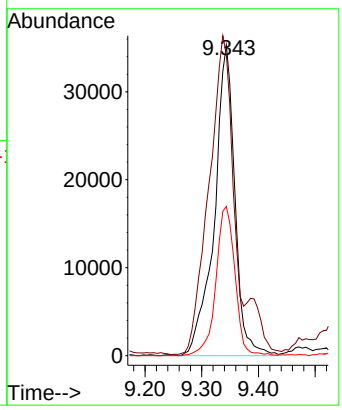


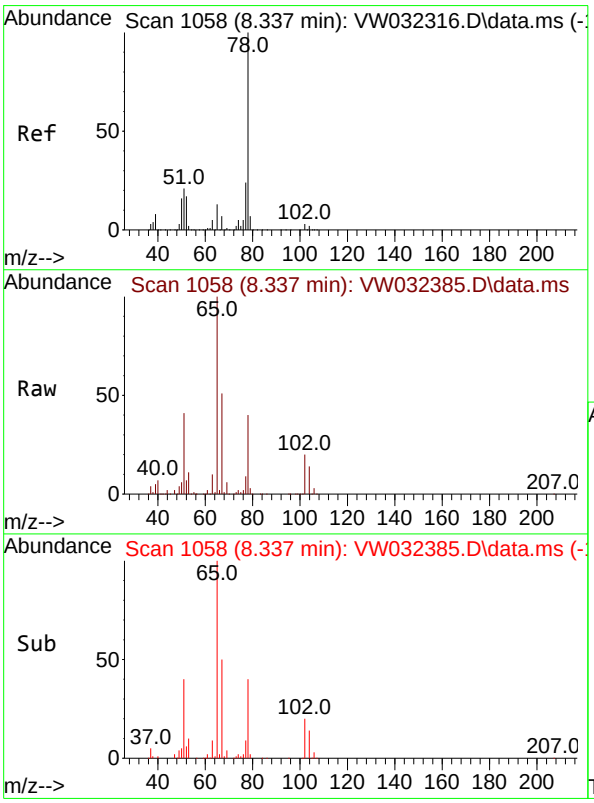
#39
Methylcyclohexane
Concen: 18.552 ug/l
RT: 9.343 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-000057-20251016

Tgt Ion: 83 Resp: 88897

Ion	Ratio	Lower	Upper
83	100		
55	96.6	58.4	87.6#
98	48.0	39.4	59.2

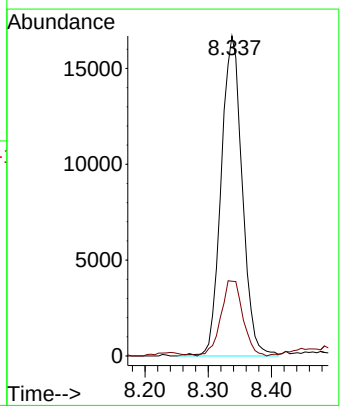


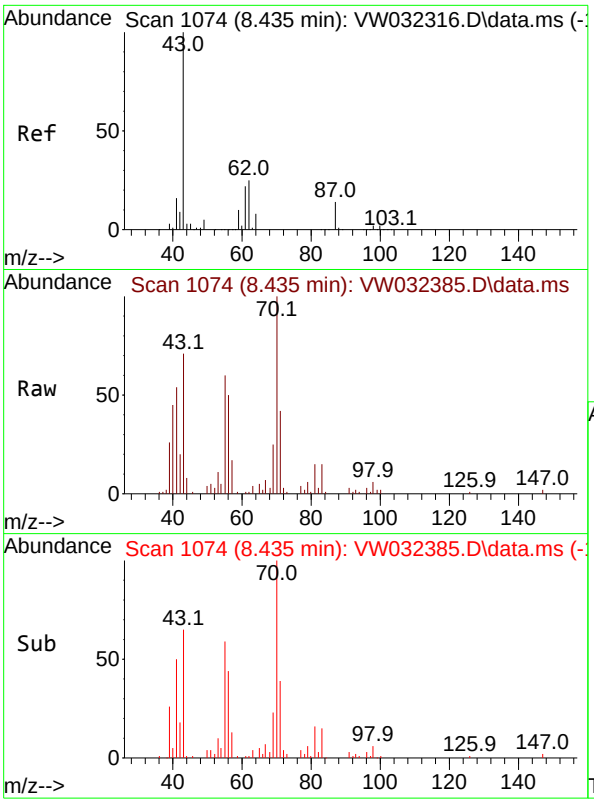


#40
Benzene
Concen: 3.095 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Tgt Ion: 78 Resp: 38535

Ion	Ratio	Lower	Upper
78	100		
77	22.9	20.7	31.1



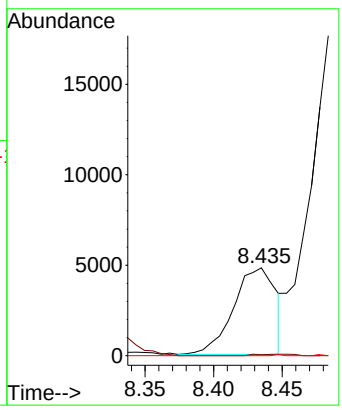


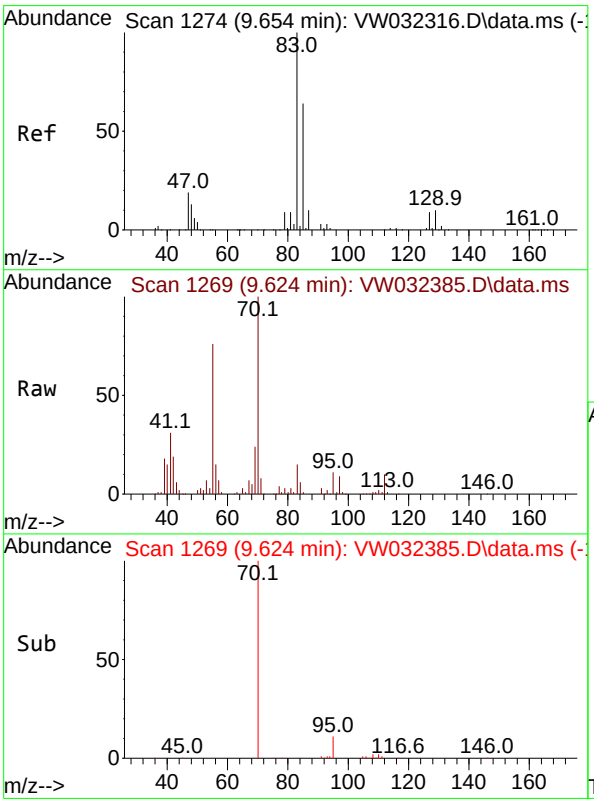
#43
Isopropyl Acetate
Concen: 2.178 ug/l
RT: 8.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-000057-20251016

Tgt Ion: 43 Resp: 10216

Ion	Ratio	Lower	Upper
43	100		
61	1.5	23.3	34.9#
87	0.2	11.1	16.7#

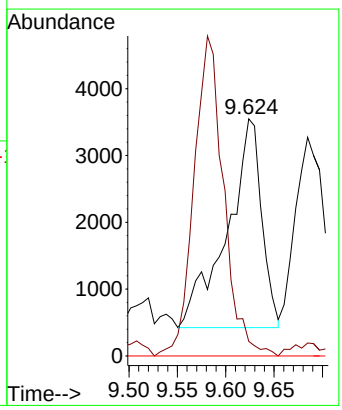


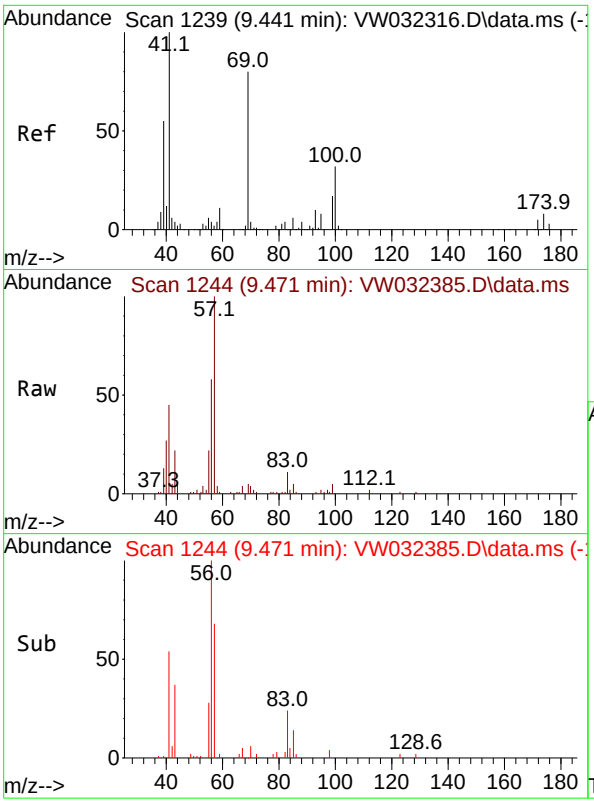


#47
Bromodichloromethane
Concen: 1.787 ug/l
RT: 9.624 min Scan# 1269
Delta R.T. -0.024 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Tgt Ion: 83 Resp: 7813

Ion	Ratio	Lower	Upper
83	100		
85	7.0	48.7	73.1#
127	0.0	6.4	9.6#



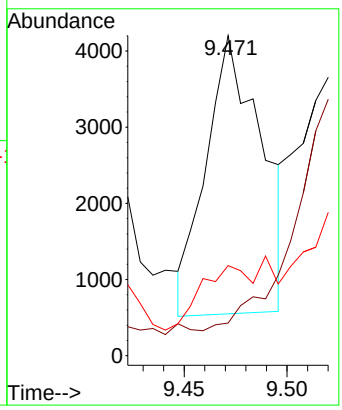


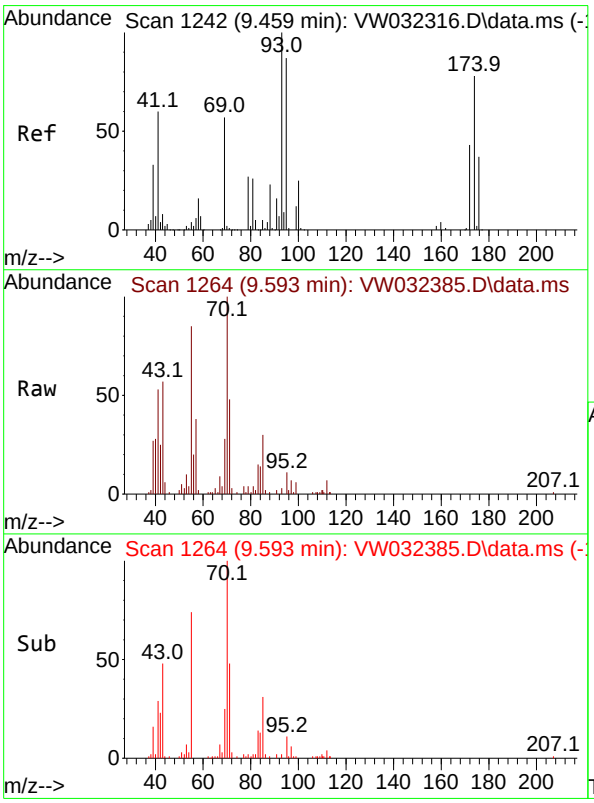
#48
Methyl methacrylate
Concen: 3.007 ug/l
RT: 9.471 min Scan# 1
Delta R.T. 0.031 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-000057-20251016

Tgt Ion: 41 Resp: 6857

Ion	Ratio	Lower	Upper
41	100		
69	0.0	71.5	107.3#
39	21.2	55.9	83.9#

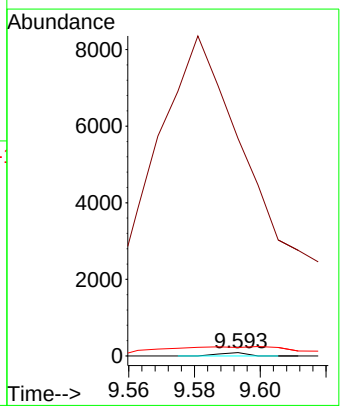


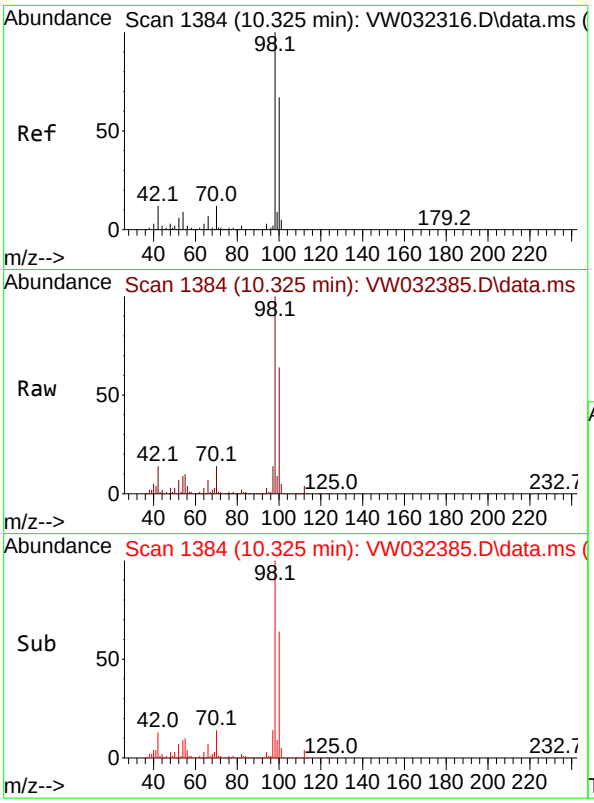


#49
1,4-Dioxane
Concen: 1.914 ug/l
RT: 9.593 min Scan# 1264
Delta R.T. 0.134 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Tgt Ion: 88 Resp: 50

Ion	Ratio	Lower	Upper
88	100		
43	40030.0	18.0	27.0#
58	1414.0	55.4	83.0#



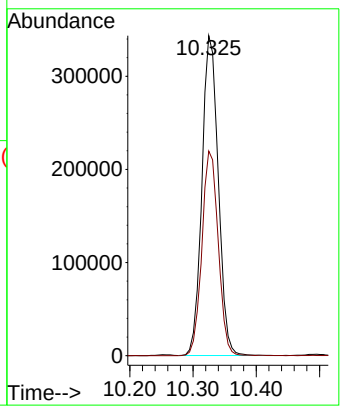


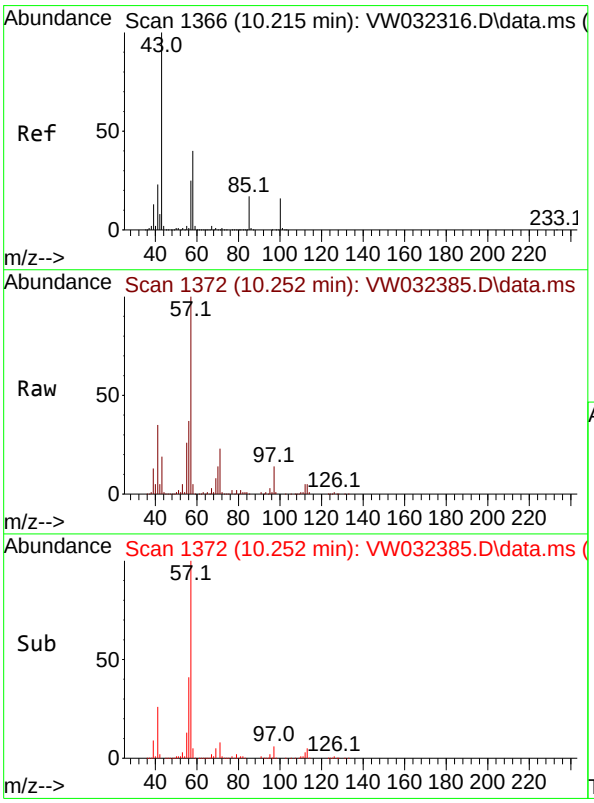
#50
Toluene-d8
Concen: 59.336 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-000057-20251016

Tgt Ion: 98 Resp: 616419

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.4	77.2

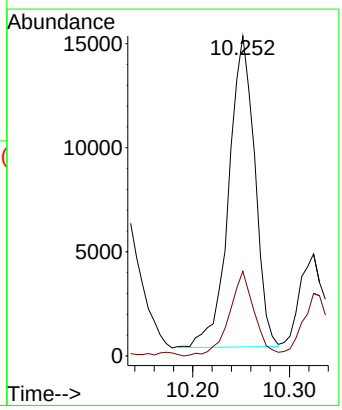


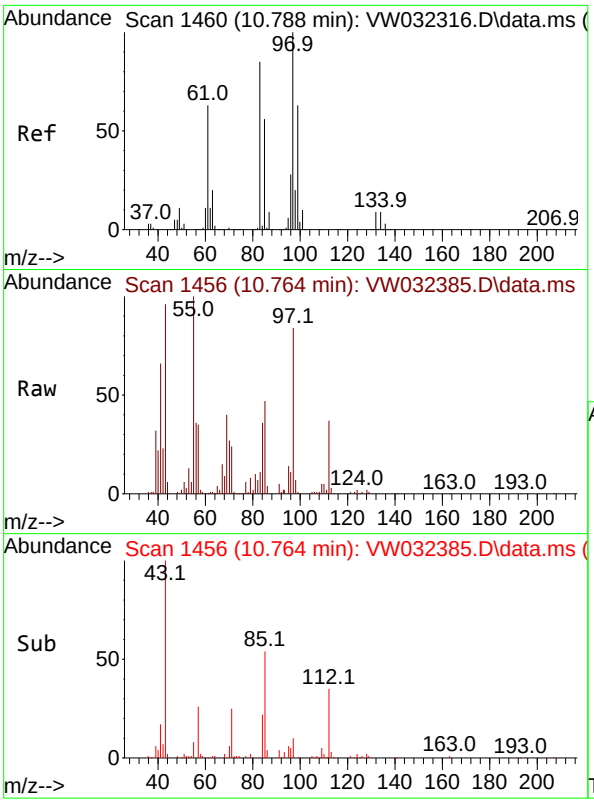


#51
4-Methyl-2-Pentanone
Concen: 10.271 ug/l
RT: 10.252 min Scan# 1372
Delta R.T. 0.037 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Tgt Ion: 43 Resp: 27905

Ion	Ratio	Lower	Upper
43	100		
58	26.1	32.0	48.0#



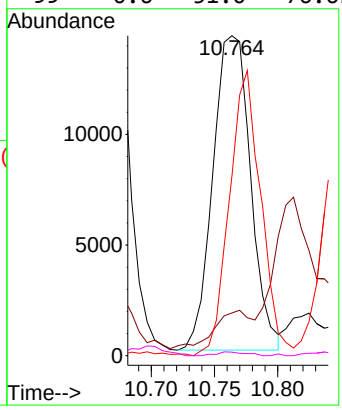


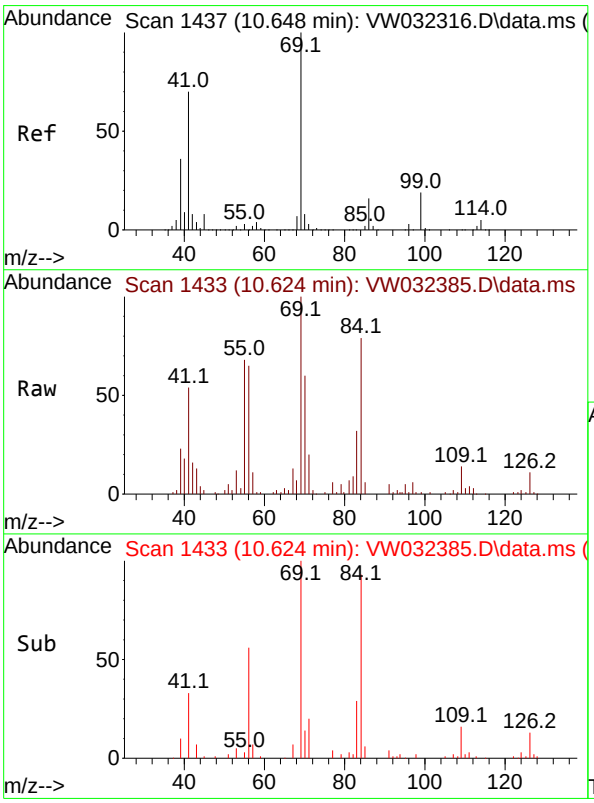
#55
1,1,2-Trichloroethane
Concen: 11.531 ug/l
RT: 10.764 min Scan# 14
Delta R.T. -0.024 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-000057-20251016

Tgt Ion: 97 Resp: 29454

Ion	Ratio	Lower	Upper
97	100		
83	10.5	71.0	106.6#
85	56.7	42.8	64.2
99	0.6	51.0	76.6#

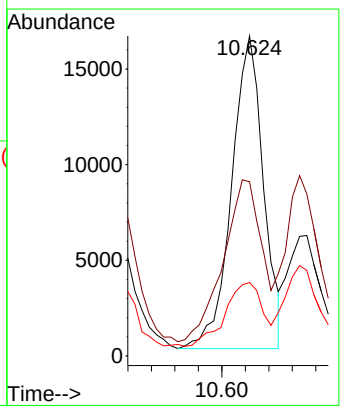


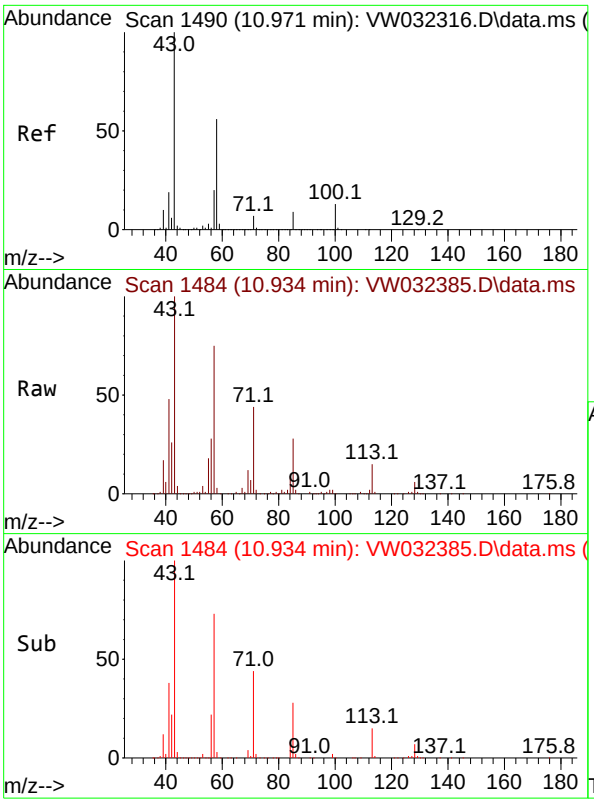


#56
Ethyl methacrylate
Concen: 8.595 ug/l
RT: 10.624 min Scan# 1433
Delta R.T. -0.024 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Tgt Ion: 69 Resp: 30728

Ion	Ratio	Lower	Upper
69	100		
41	62.3	53.2	79.8
39	24.6	32.9	49.3#



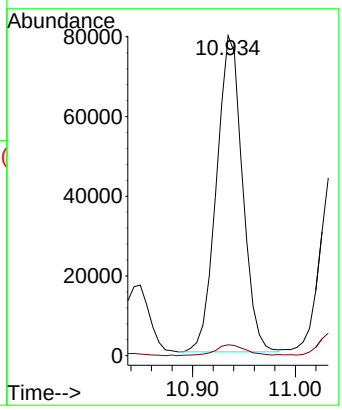


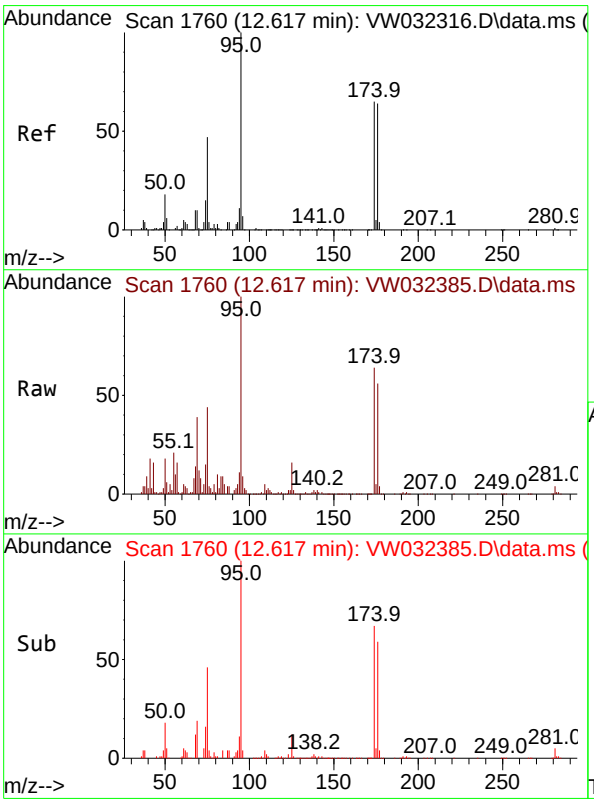
#59
2-Hexanone
Concen: 72.605 ug/l
RT: 10.934 min Scan# 14
Delta R.T. -0.037 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-000057-20251016

Tgt Ion: 43 Resp: 139121

Ion	Ratio	Lower	Upper
43	100		
58	4.1	27.5	82.4#

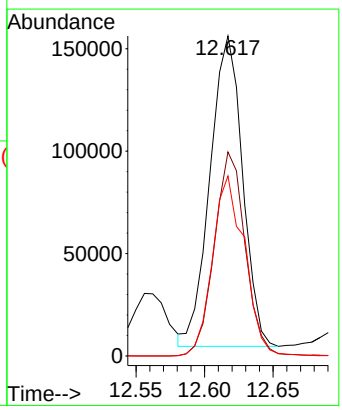


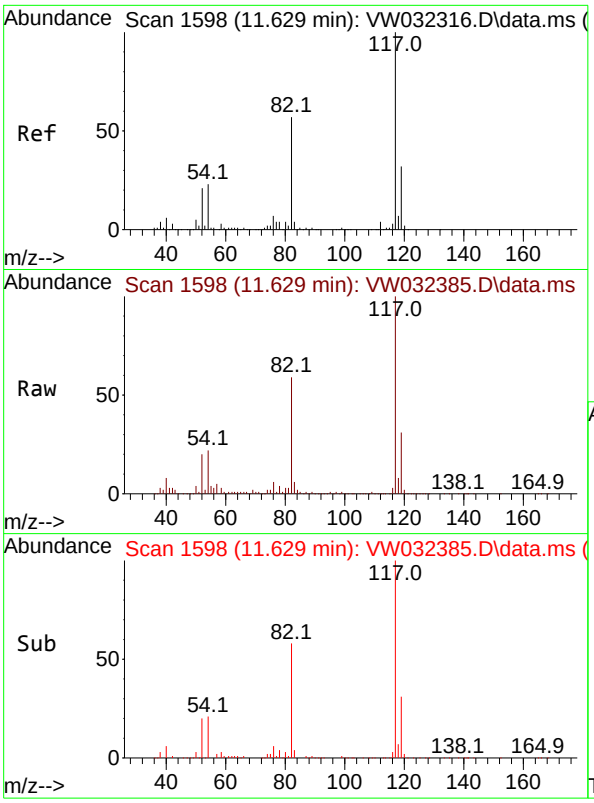


#62
4-Bromofluorobenzene
Concen: 63.674 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Tgt Ion: 95 Resp: 250023

Ion	Ratio	Lower	Upper
95	100		
174	62.6	0.0	145.6
176	57.4	0.0	140.8



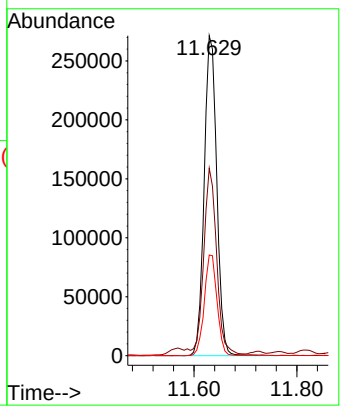


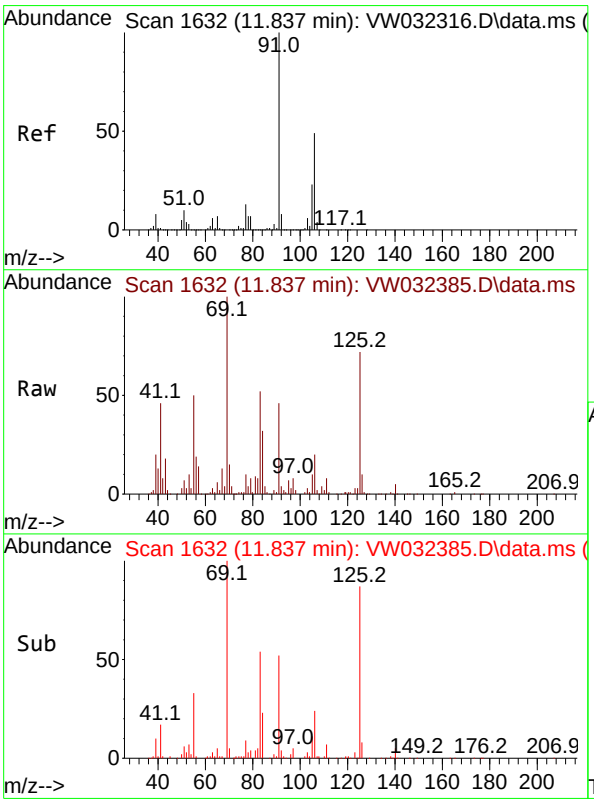
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-000057-20251016

Tgt Ion:117 Resp: 460571

Ion	Ratio	Lower	Upper
117	100		
82	57.3	42.7	64.1
119	31.4	25.2	37.8

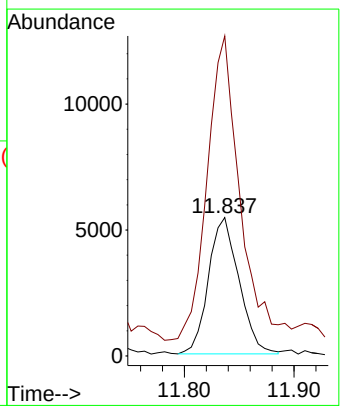


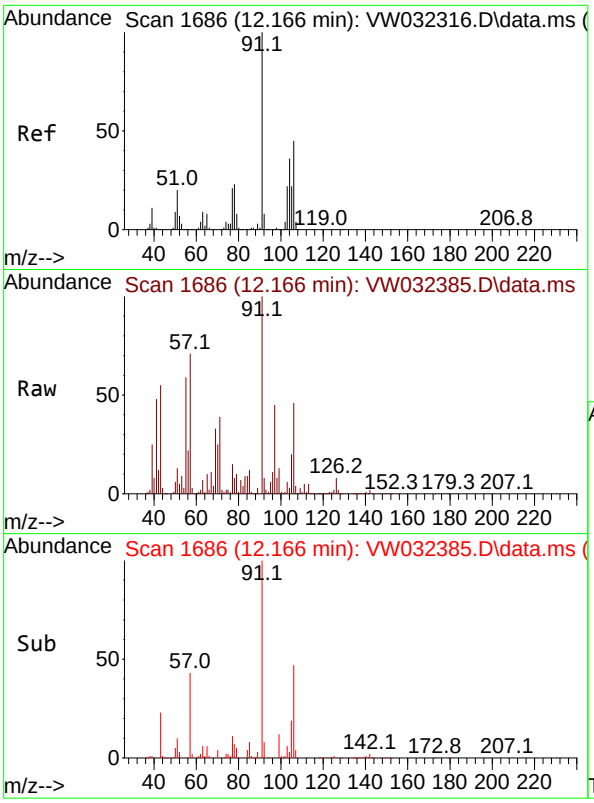


#68
m/p-Xylenes
Concen: 1.608 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Tgt Ion:106 Resp: 10473

Ion	Ratio	Lower	Upper
106	100		
91	239.1	164.2	246.2



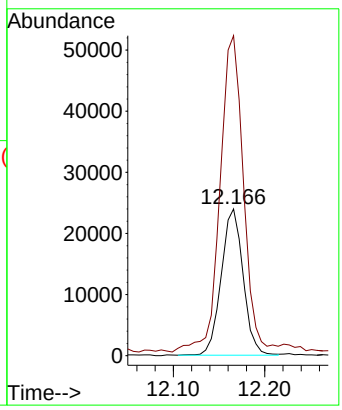


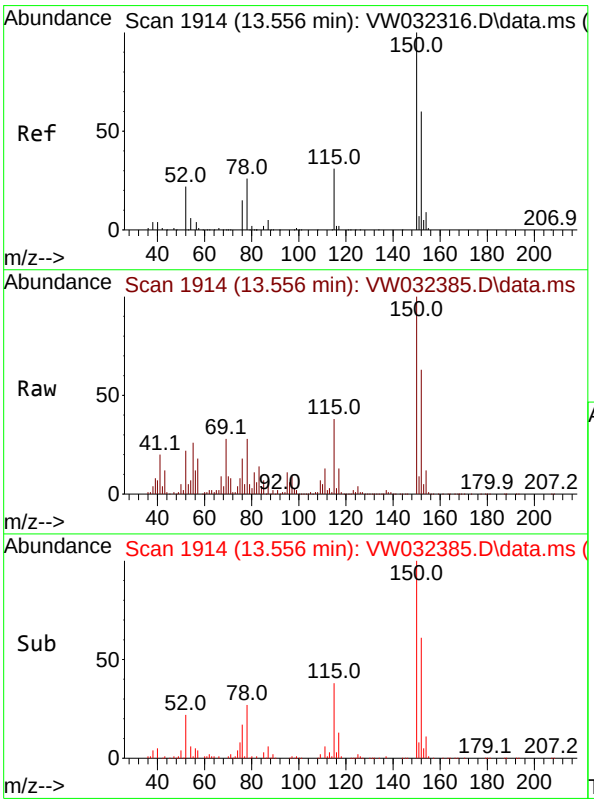
#69
o-Xylene
Concen: 6.556 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-000057-20251016

Tgt Ion:106 Resp: 39936

Ion	Ratio	Lower	Upper
106	100		
91	231.5	108.7	326.3

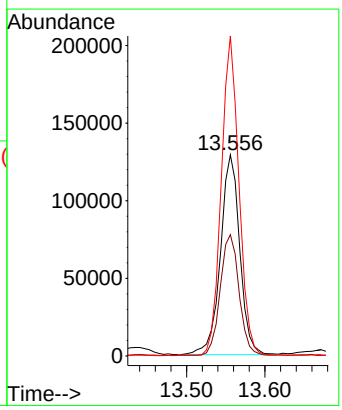


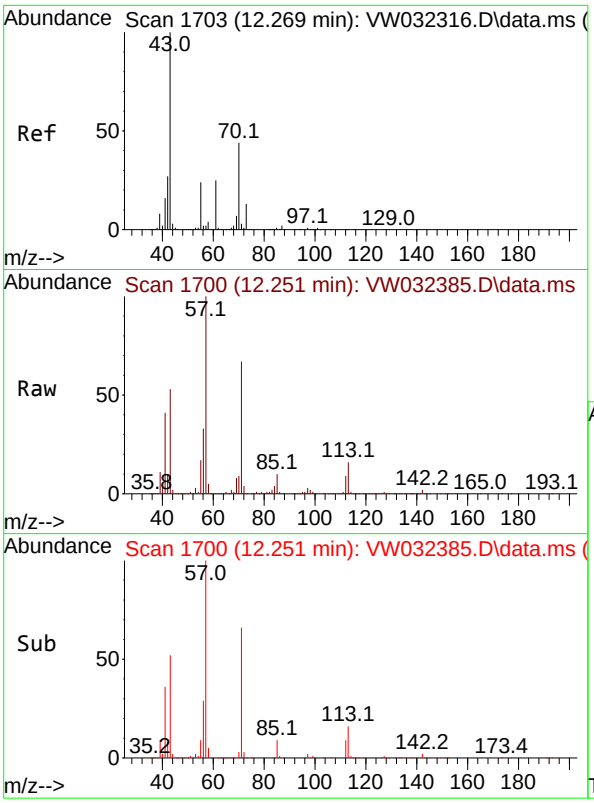


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Tgt Ion:152 Resp: 221559

Ion	Ratio	Lower	Upper
152	100		
115	58.3	31.8	95.4
150	146.6	0.0	343.0



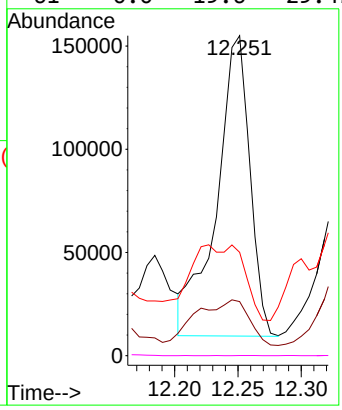


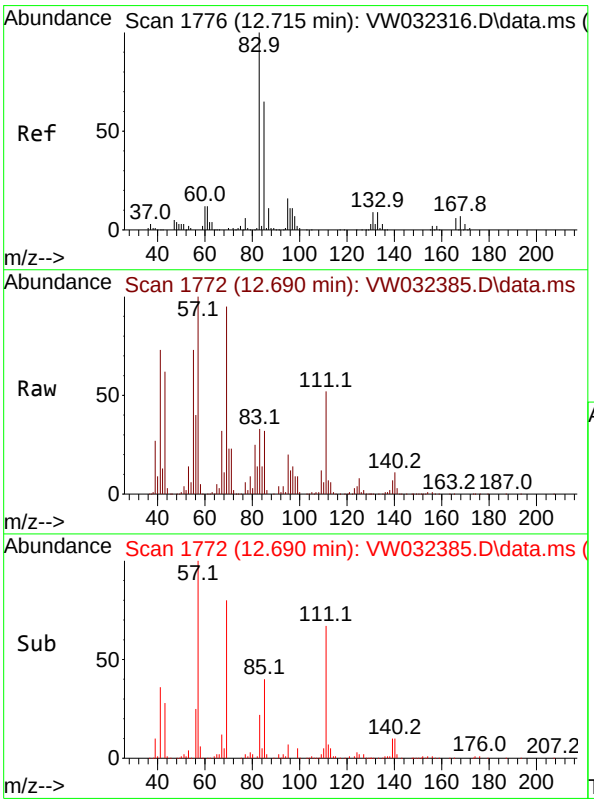
#74
N-amyl acetate
Concen: 55.055 ug/l
RT: 12.251 min Scan# 1
Delta R.T. -0.018 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-000057-20251016

Tgt Ion: 43 Resp: 266228

Ion	Ratio	Lower	Upper
43	100		
70	24.1	35.3	52.9#
55	0.0	19.9	29.9#
61	0.0	19.6	29.4#

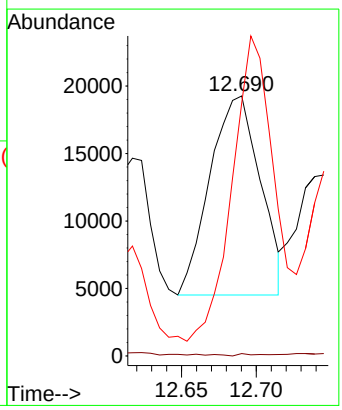


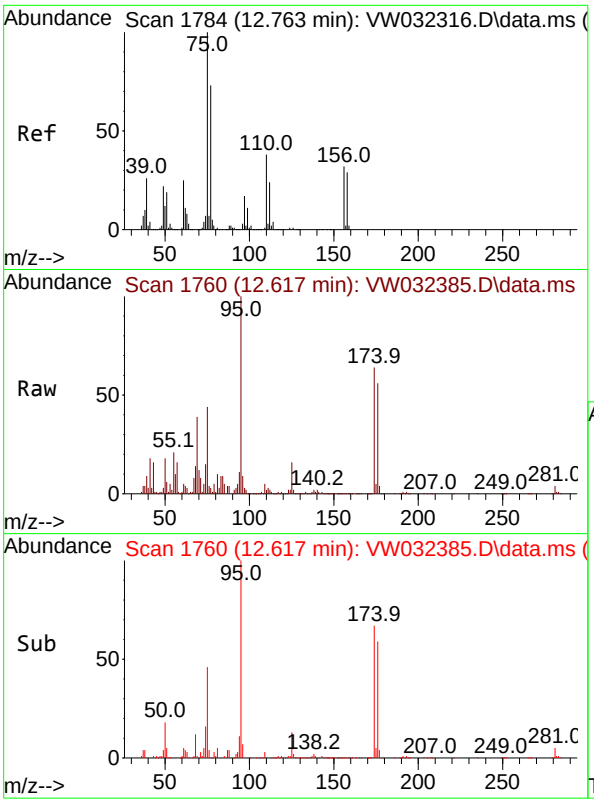


#75
1,1,2,2-Tetrachloroethane
Concen: 9.178 ug/l
RT: 12.690 min Scan# 1772
Delta R.T. -0.024 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Tgt Ion: 83 Resp: 34542

Ion	Ratio	Lower	Upper
83	100		
131	0.5	5.1	15.4#
85	128.3	32.2	96.6#



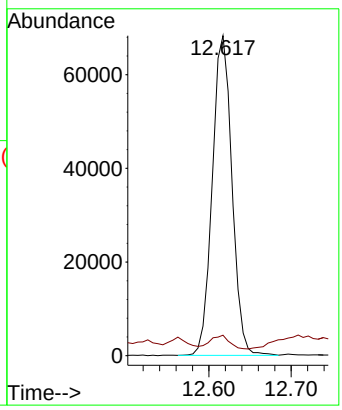


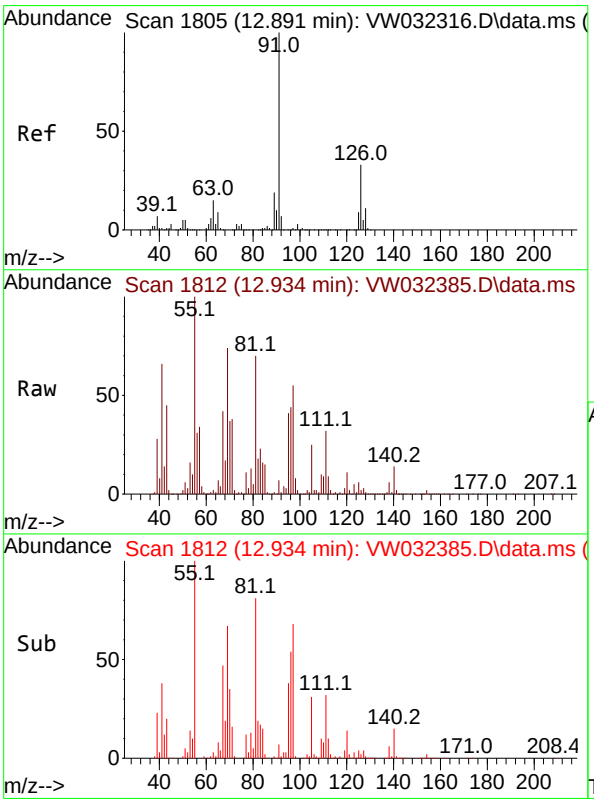
#76
1,2,3-Trichloropropane
Concen: 38.900 ug/l
RT: 12.617 min Scan# 1
Delta R.T. -0.146 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-000057-20251016

Tgt Ion: 75 Resp: 113416

Ion	Ratio	Lower	Upper
75	100		
77	4.1	141.7	425.1#

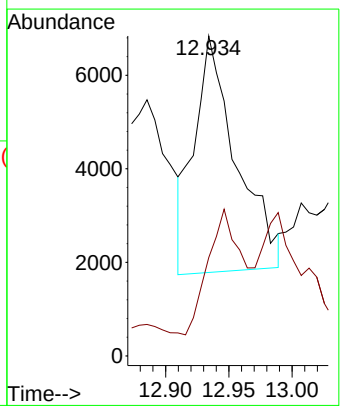


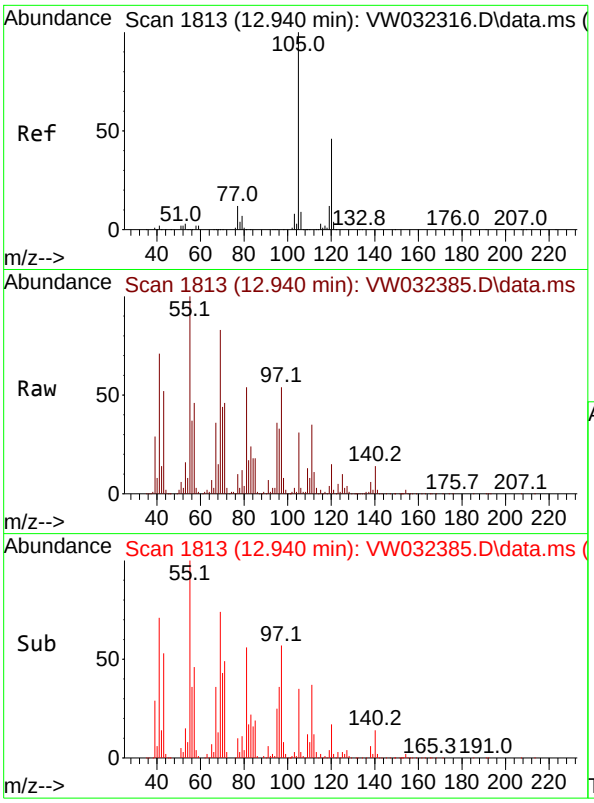


#79
2-Chlorotoluene
Concen: 1.016 ug/l
RT: 12.934 min Scan# 1812
Delta R.T. 0.049 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Tgt Ion: 91 Resp: 11762

Ion	Ratio	Lower	Upper
91	100		
126	40.7	16.6	49.7



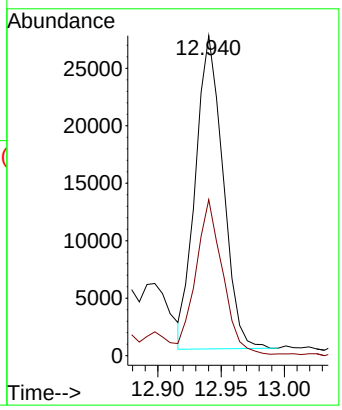


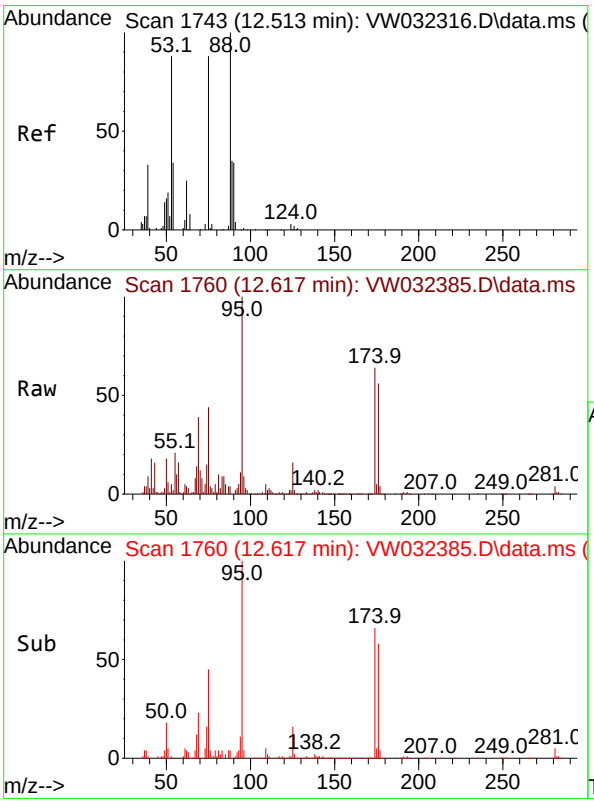
#80
1,3,5-Trimethylbenzene
Concen: 3.153 ug/l
RT: 12.940 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-000057-20251016

Tgt Ion:105 Resp: 41327

Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.8	74.4

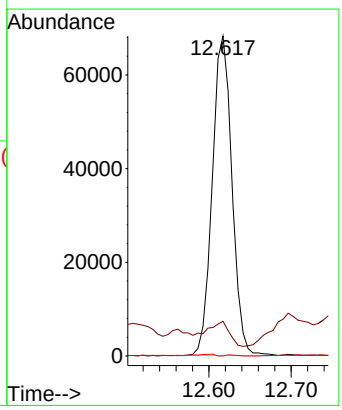


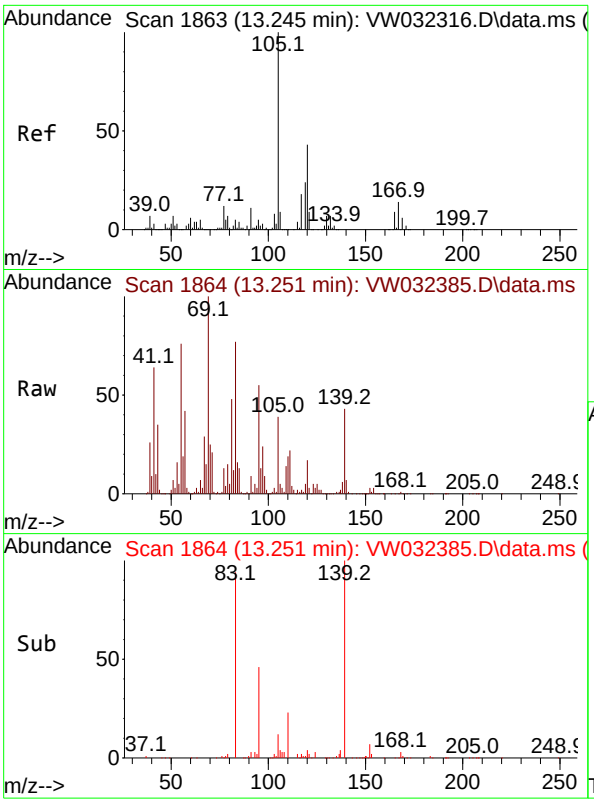


#81
trans-1,4-Dichloro-2-butene
Concen: 98.544 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Tgt Ion: 75 Resp: 113416

Ion	Ratio	Lower	Upper
75	100		
53	7.5	91.0	136.6#
89	0.2	39.4	59.2#





#84
1,2,4-Trimethylbenzene
Concen: 3.392 ug/l
RT: 13.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032385.D
Acq: 20 Oct 2025 13:50

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-000057-20251016

Tgt Ion:105 Resp: 45206

Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.1	66.3