Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032392.D
Acq On : 20 Oct 2025 16:24
Operator : SY/MD
Sample : Q3376-05
Misc : 2.94g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Quant Time: Oct 21 01:30:31 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	220545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	499682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	486561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	228417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	189064	58.774	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 117.540%			
35) Dibromofluoromethane	7.904	113	167736	51.834	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 103.660%			
50) Toluene-d8	10.331	98	633564	53.047	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 106.100%			
62) 4-Bromofluorobenzene	12.617	95	250680	55.532	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 111.060%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.216	59	1983	8.144	ug/l #	89
16) Acetone	4.161	43	102844	115.463	ug/l	99
17) Carbon Disulfide	4.417	76	101525	14.970	ug/l	99
18) Methyl Acetate	4.722	43	5787	2.268	ug/l	100
20) Methylene Chloride	4.954	84	8671	Below Cal		90
25) 2-Butanone	7.197	43	42423	34.971	ug/l	98
31) Cyclohexane	7.965	56	16046	3.543	ug/l #	74
36) 1,1-Dichloropropene	7.965	75	20415	4.470	ug/l #	49
37) Ethyl Acetate	7.197	43	42423	13.956	ug/l #	69
38) Carbon Tetrachloride	7.965	117	25135	5.849	ug/l #	17
39) Methylcyclohexane	9.343	83	28003	5.083	ug/l #	81
48) Methyl methacrylate	9.471	41	2796	1.066	ug/l #	22
51) 4-Methyl-2-Pentanone	10.251	43	13334	4.269	ug/l #	81
55) 1,1,2-Trichloroethane	10.757	97	14564	4.960	ug/l #	26
56) Ethyl methacrylate	10.666	69	4348	1.058	ug/l #	11
59) 2-Hexanone	10.934	43	63843	28.982	ug/l #	29
65) Chlorobenzene	11.660	112	10869	1.015	ug/l	98
69) o-Xylene	12.166	106	22170	3.445	ug/l	94
73) Isopropylbenzene	12.464	105	37096	2.374	ug/l	97
74) N-amyl acetate	12.245	43	133859	26.851	ug/l #	42
75) 1,1,2,2-Tetrachloroethane	12.678	83	15343	3.954	ug/l #	27
76) 1,2,3-Trichloropropane	12.617	75	124229	41.329	ug/l #	1
77) Bromobenzene	12.842	156	60315	16.011	ug/l #	1
79) 2-Chlorotoluene	12.891	91	12286	1.029	ug/l	71
80) 1,3,5-Trimethylbenzene	12.940	105	14046	1.039	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.617	75	124495	104.922	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.251	105	27247	1.983	ug/l	98
85) sec-Butylbenzene	13.379	105	28519	1.683	ug/l	82
88) 1,4-Dichlorobenzene	13.574	146	7716	1.012	ug/l #	1

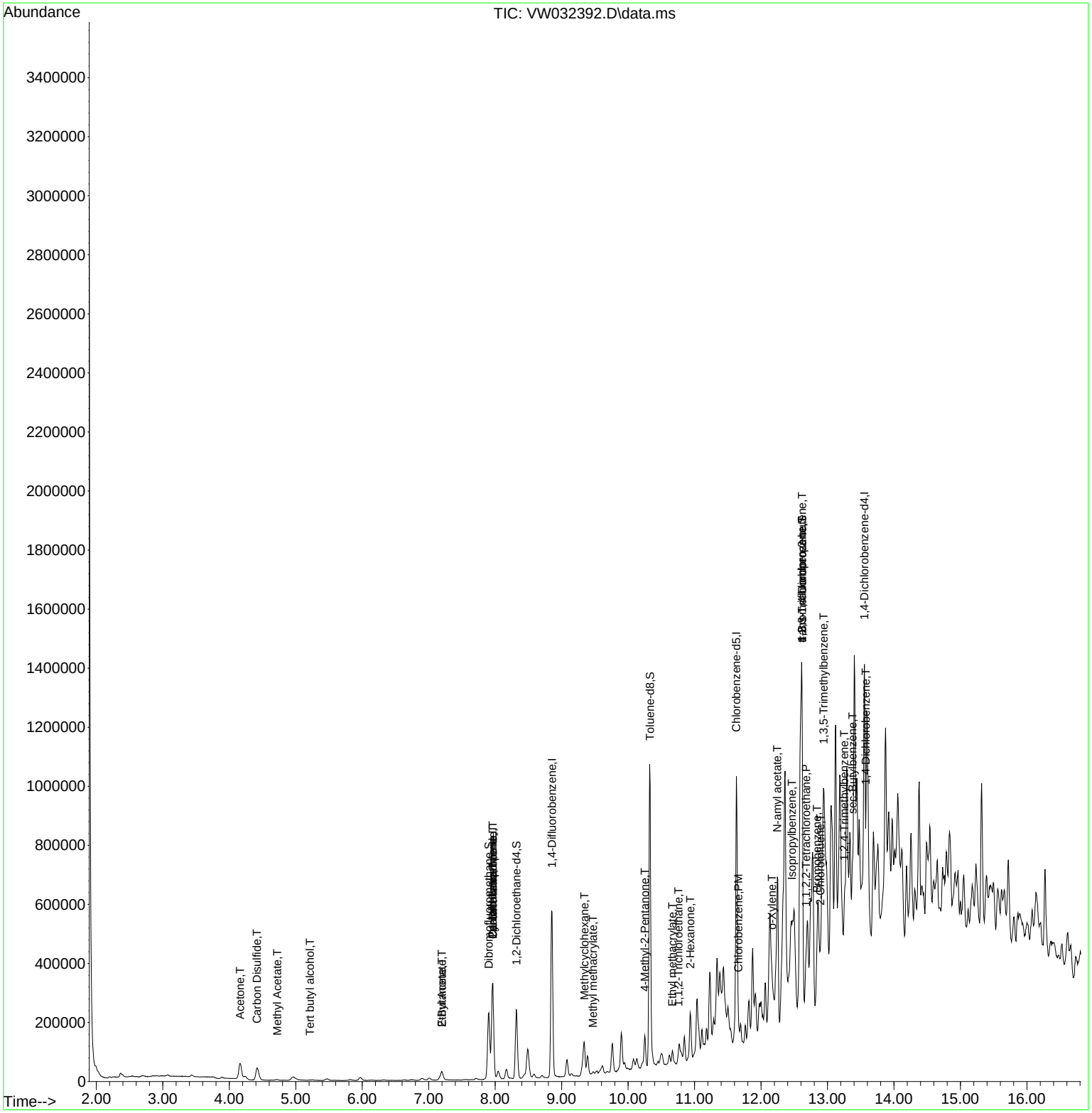
(#) = qualifier out of range (m) = manual integration (+) = signals summed

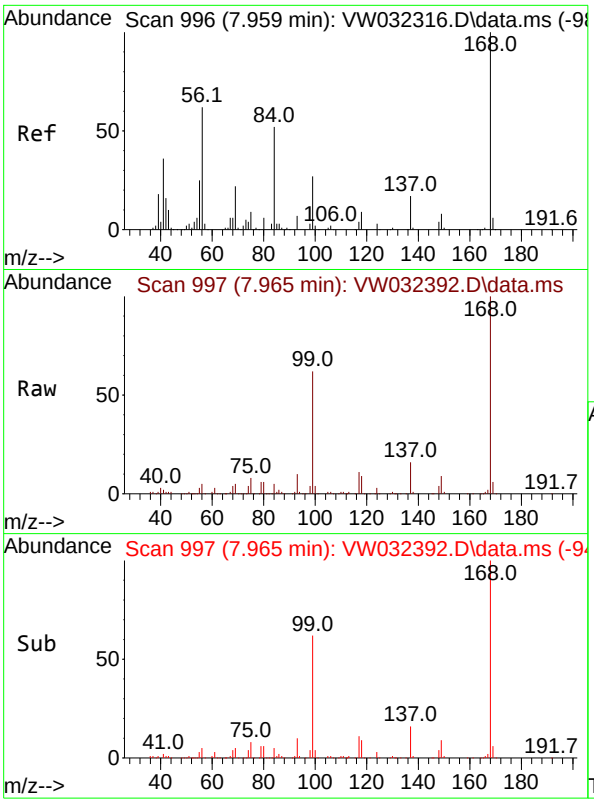
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032392.D
Acq On : 20 Oct 2025 16:24
Operator : SY/MD
Sample : Q3376-05
Misc : 2.94g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Quant Time: Oct 21 01:30:31 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



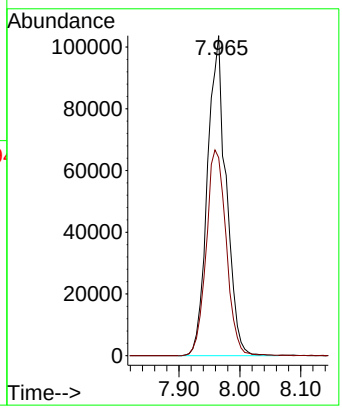


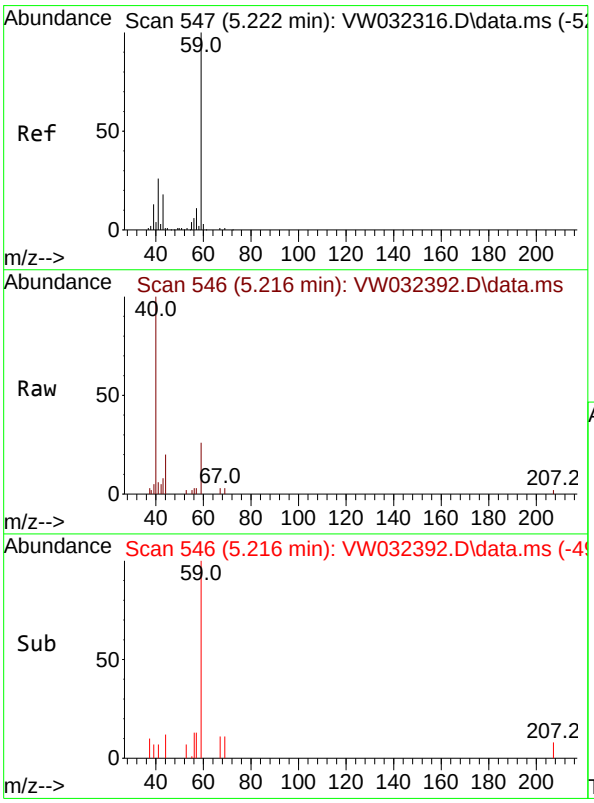
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 9
Delta R.T. 0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion:168 Resp: 220545

Ion	Ratio	Lower	Upper
168	100		
99	61.9	49.3	73.9

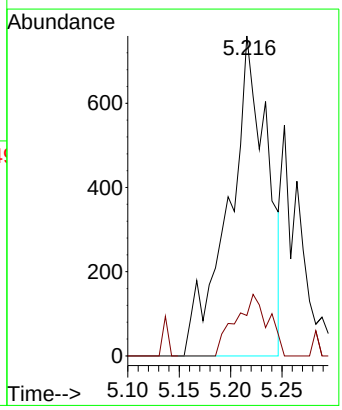


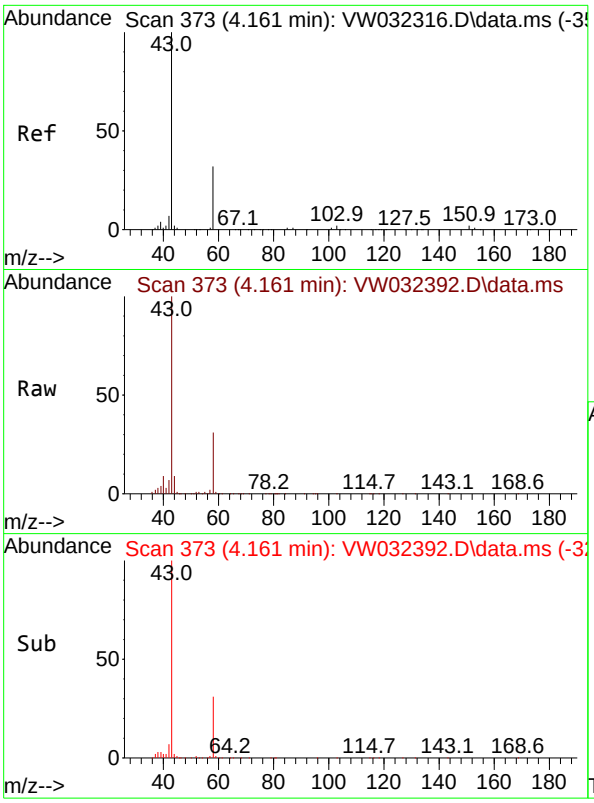


#11
Tert butyl alcohol
Concen: 8.144 ug/l
RT: 5.216 min Scan# 546
Delta R.T. -0.006 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Tgt Ion: 59 Resp: 1983

Ion	Ratio	Lower	Upper
59	100		
57	16.4	9.8	14.6#



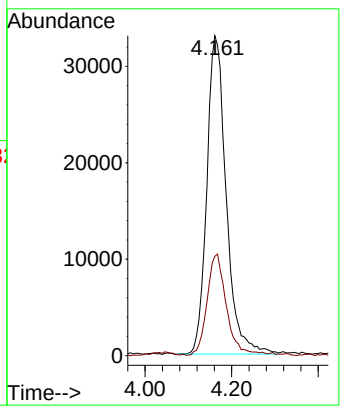


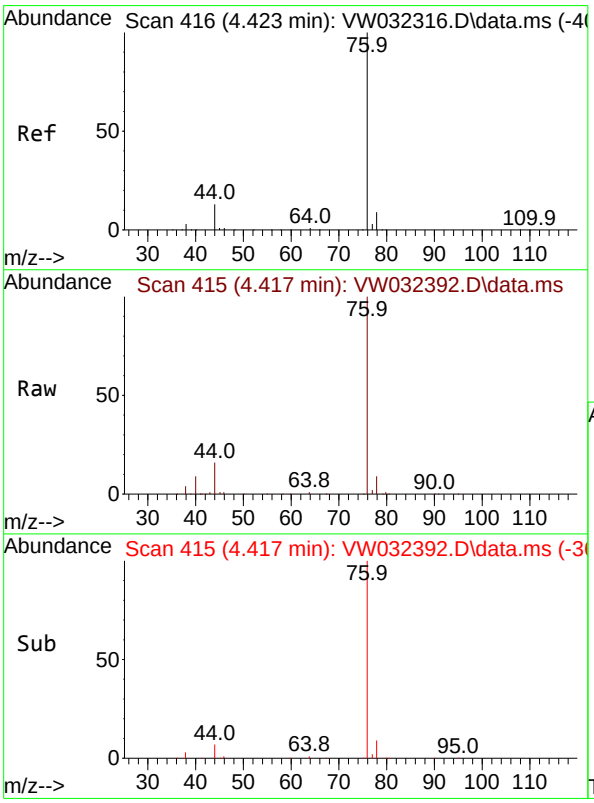
#16
Acetone
Concen: 115.463 ug/l
RT: 4.161 min Scan# 3
Delta R.T. -0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion: 43 Resp: 102844

Ion	Ratio	Lower	Upper
43	100		
58	30.9	25.3	37.9

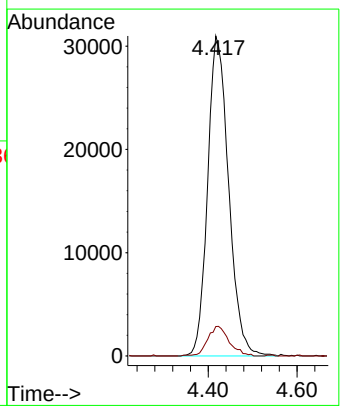


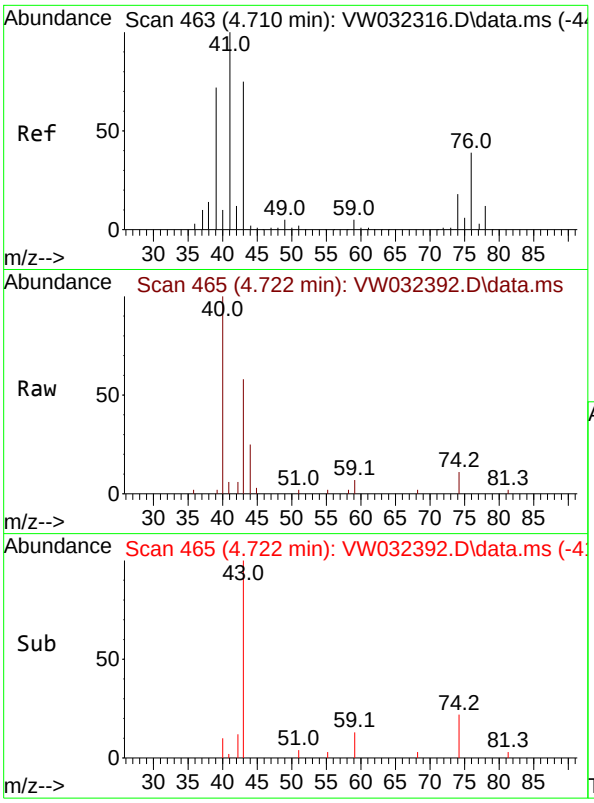


#17
Carbon Disulfide
Concen: 14.970 ug/l
RT: 4.417 min Scan# 415
Delta R.T. -0.006 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Tgt Ion: 76 Resp: 101525

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6



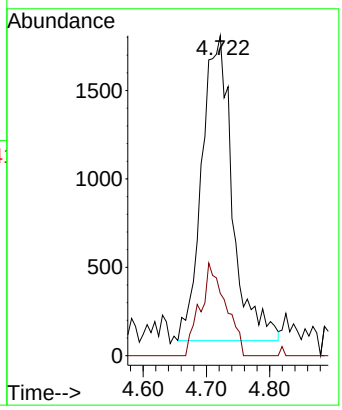


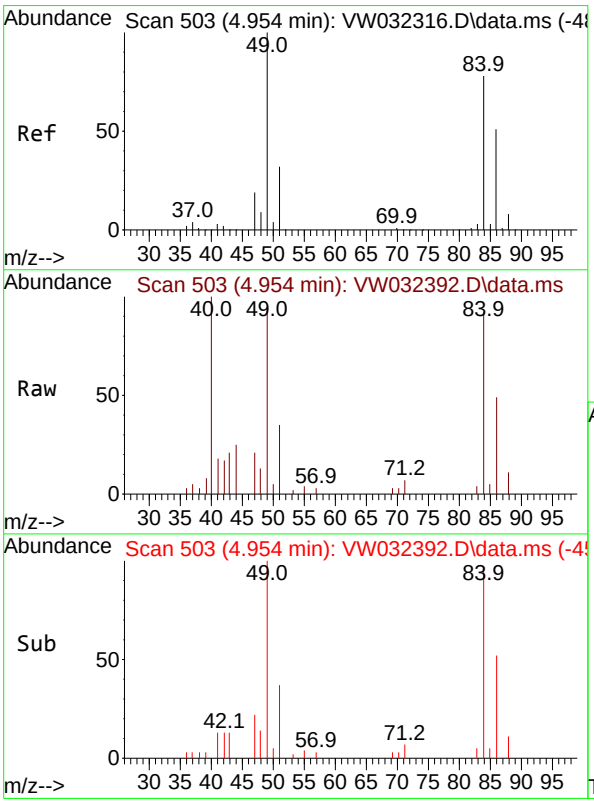
#18
Methyl Acetate
Concen: 2.268 ug/l
RT: 4.722 min Scan# 4
Delta R.T. 0.012 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion: 43 Resp: 5787

Ion	Ratio	Lower	Upper
43	100		
74	25.2	20.2	30.4

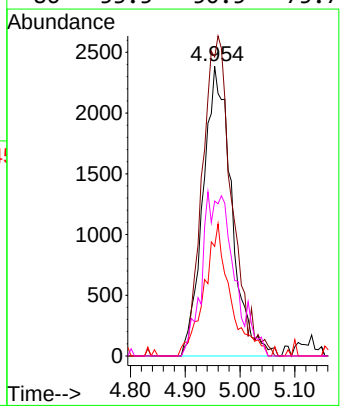


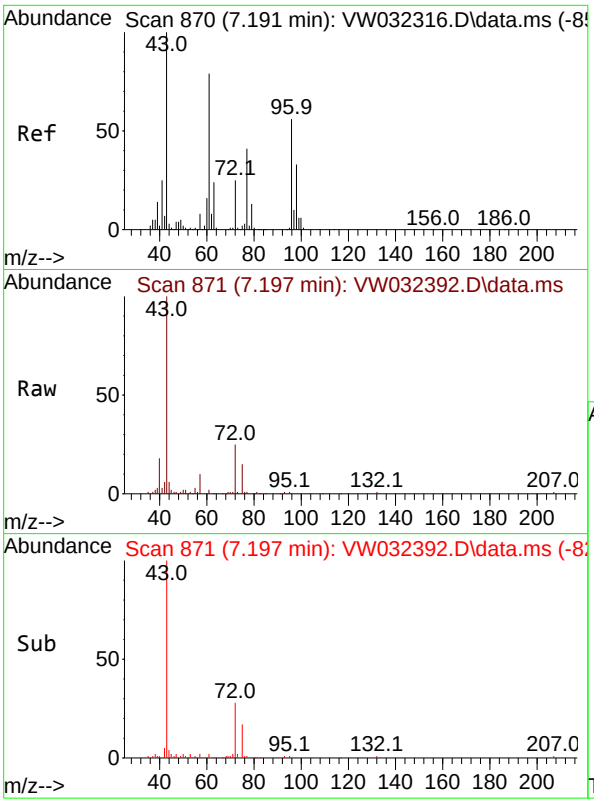


#20
Methylene Chloride
Concen: Below Cal
RT: 4.954 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Tgt Ion: 84 Resp: 8671

Ion	Ratio	Lower	Upper
84	100		
49	103.2	92.2	138.4
51	37.9	31.0	46.6
86	53.5	50.5	75.7



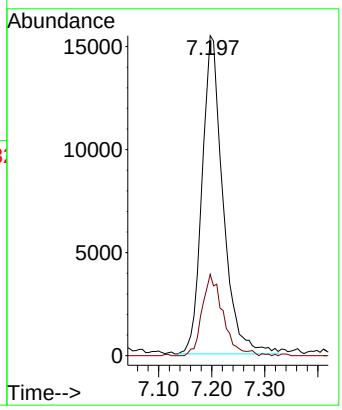


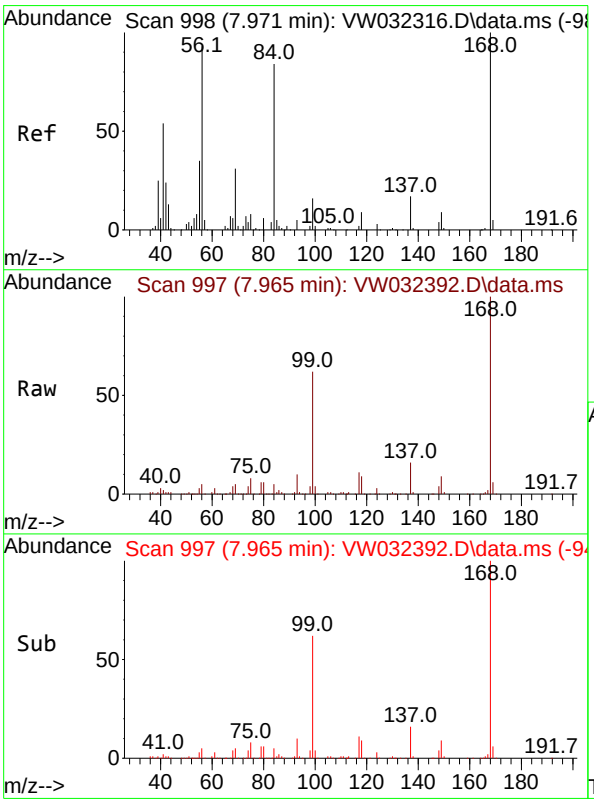
#25
2-Butanone
Concen: 34.971 ug/l
RT: 7.197 min Scan# 8
Delta R.T. 0.006 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion: 43 Resp: 42423

Ion	Ratio	Lower	Upper
43	100		
72	25.5	21.4	32.2

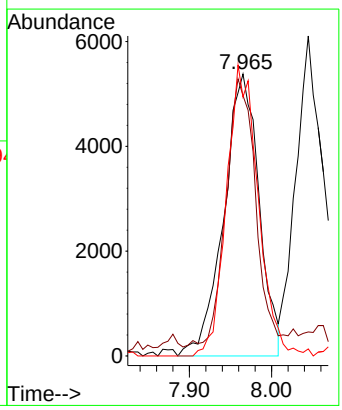


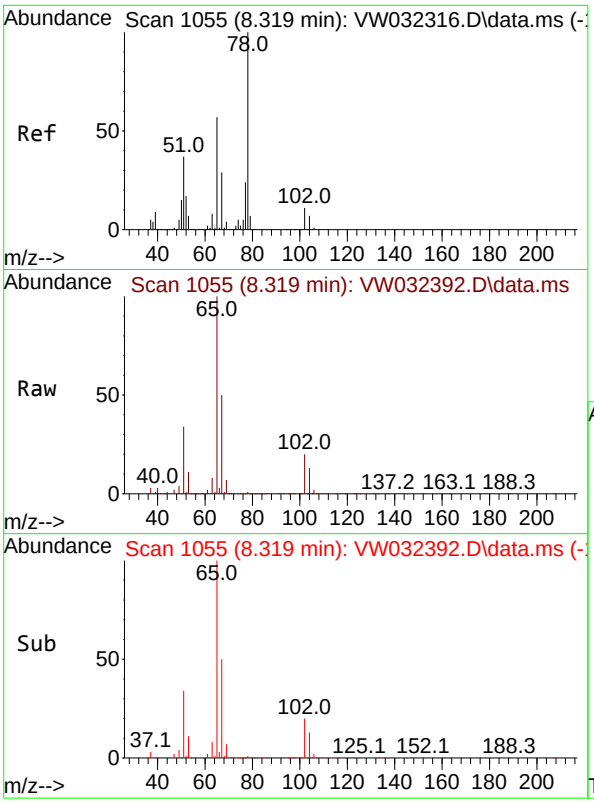


#31
Cyclohexane
Concen: 3.543 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Tgt Ion: 56 Resp: 16046

Ion	Ratio	Lower	Upper
56	100		
69	87.9	27.7	41.5#
84	91.9	74.6	112.0



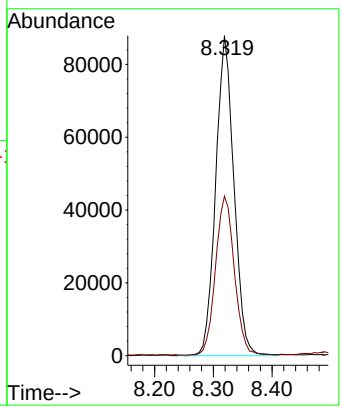


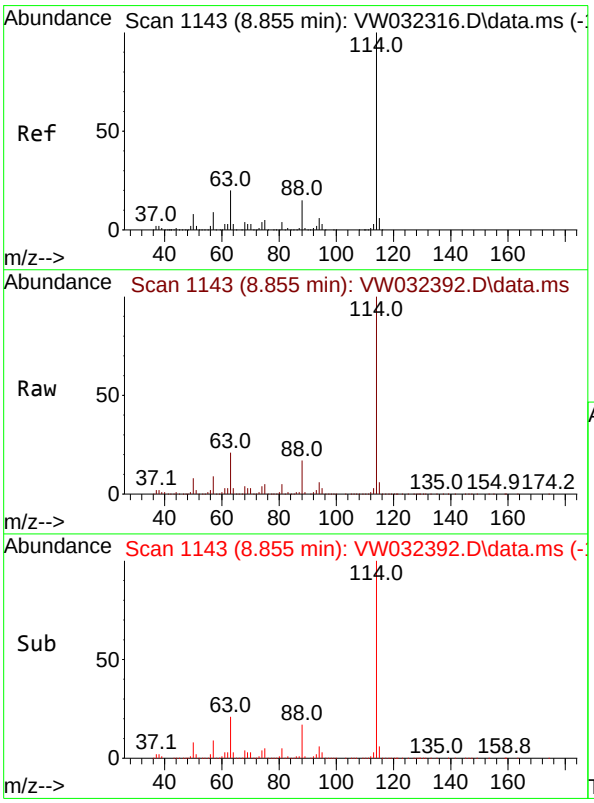
#33
1,2-Dichloroethane-d4
Concen: 58.774 ug/l
RT: 8.319 min Scan# 10
Delta R.T. -0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion: 65 Resp: 189064

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	99.6

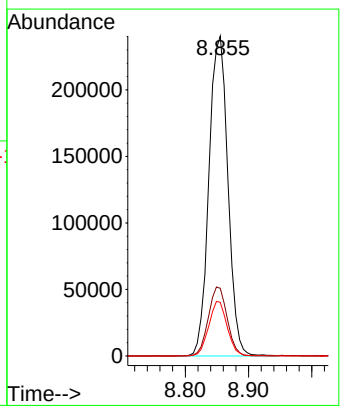


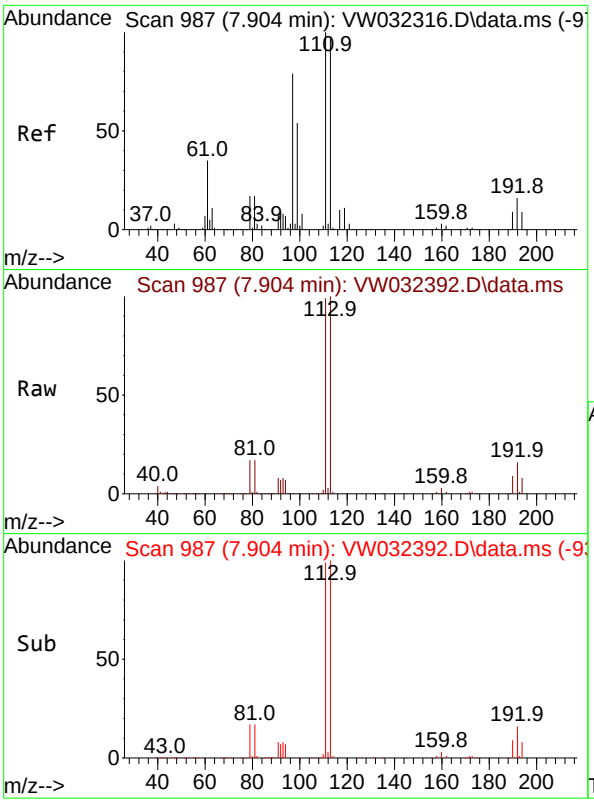


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Tgt Ion:114 Resp: 499682

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	40.4
88	16.8	0.0	32.0



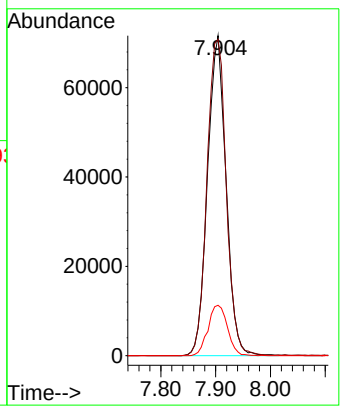


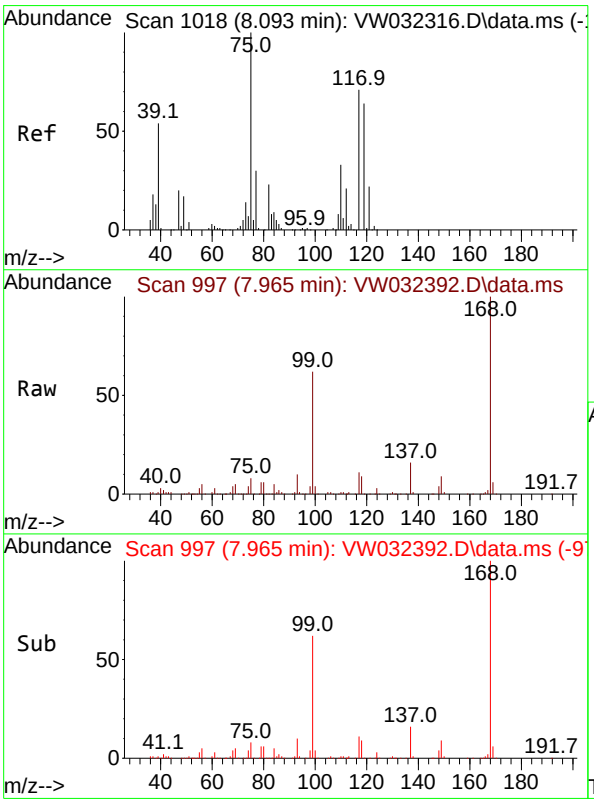
#35
Dibromofluoromethane
Concen: 51.834 ug/l
RT: 7.904 min Scan# 9
Delta R.T. -0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion:113 Resp: 167736

Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.9	125.9
192	16.6	14.6	21.8

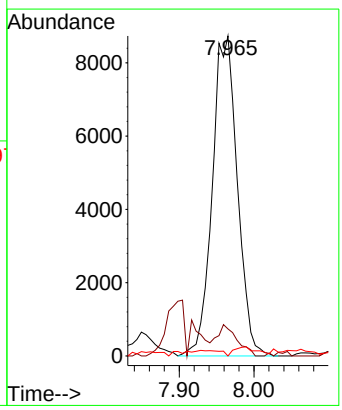


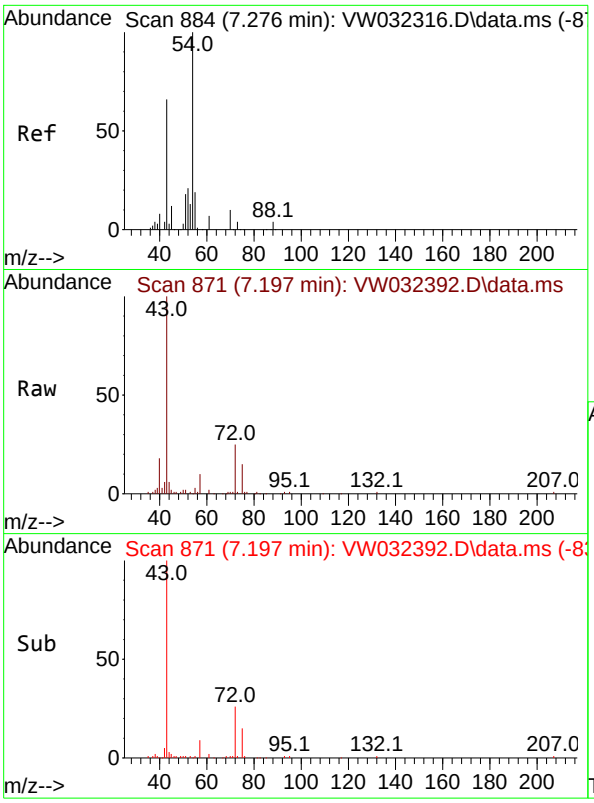


#36
1,1-Dichloropropene
Concen: 4.470 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.134 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Tgt Ion: 75 Resp: 20415

Ion	Ratio	Lower	Upper
75	100		
110	7.9	17.5	52.5#
77	0.0	24.1	36.1#



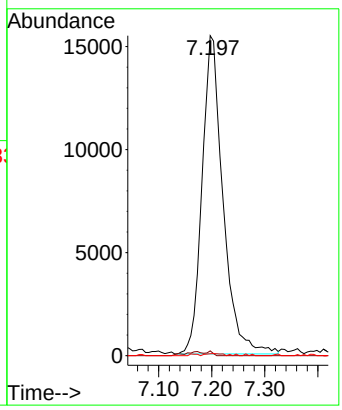


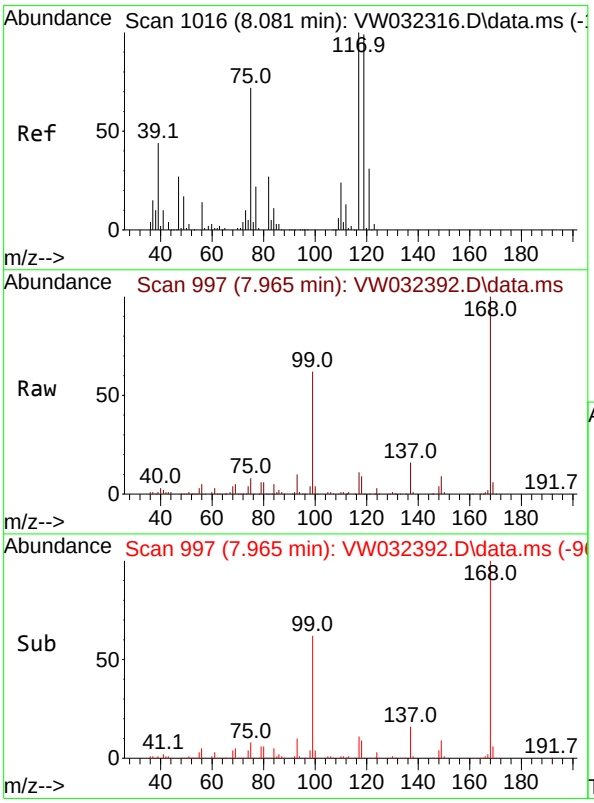
#37
Ethyl Acetate
Concen: 13.956 ug/l
RT: 7.197 min Scan# 8
Delta R.T. -0.079 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion: 43 Resp: 42423

Ion	Ratio	Lower	Upper
43	100		
61	0.4	11.3	16.9#
70	0.5	8.9	13.3#

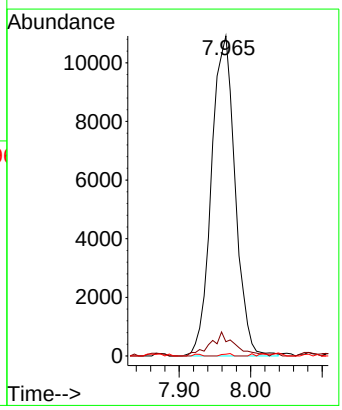


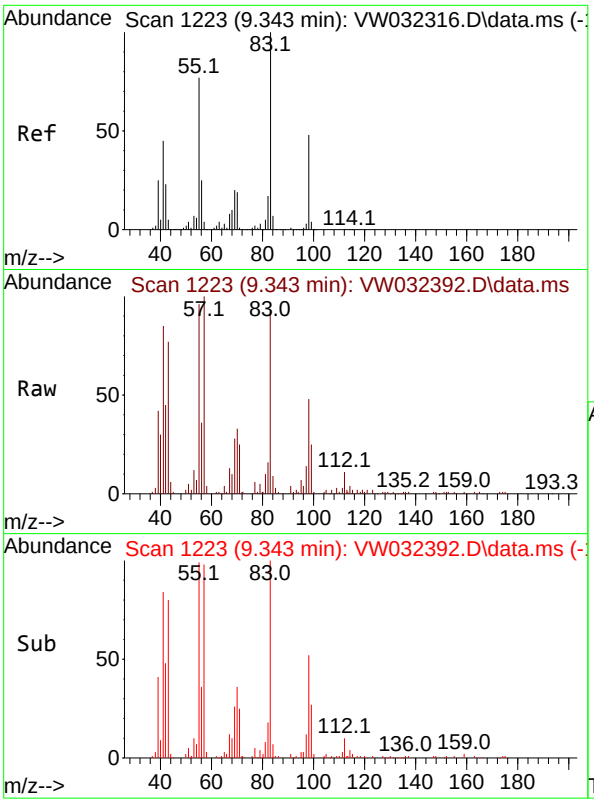


#38
Carbon Tetrachloride
Concen: 5.849 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.122 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Tgt Ion:117 Resp: 25135

Ion	Ratio	Lower	Upper
117	100		
119	4.5	74.2	111.2#
121	0.6	25.6	38.4#



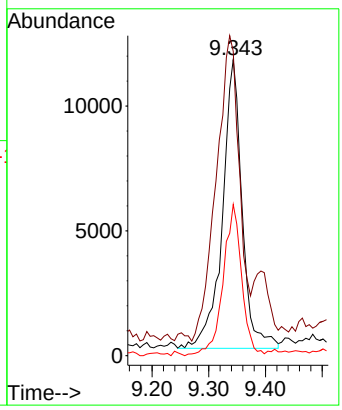


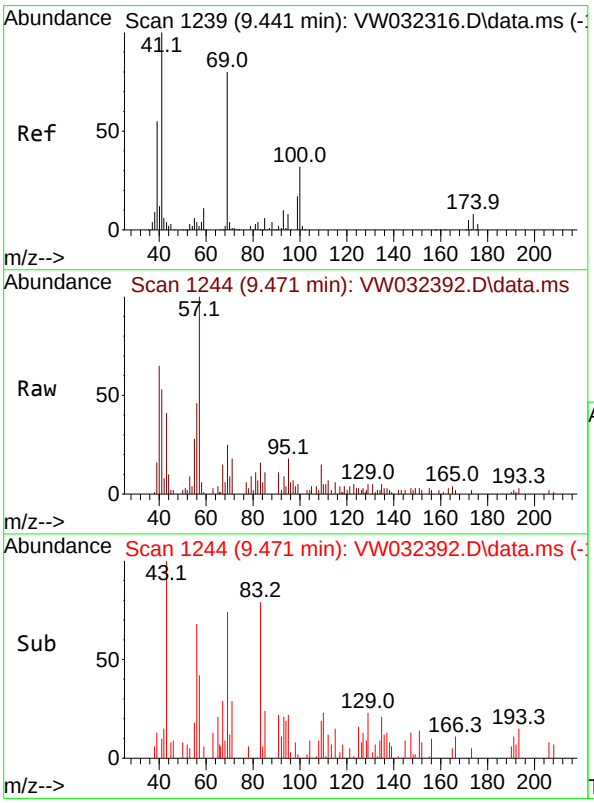
#39
Methylcyclohexane
Concen: 5.083 ug/l
RT: 9.343 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion: 83 Resp: 28003

Ion	Ratio	Lower	Upper
83	100		
55	98.0	58.4	87.6#
98	51.4	39.4	59.2

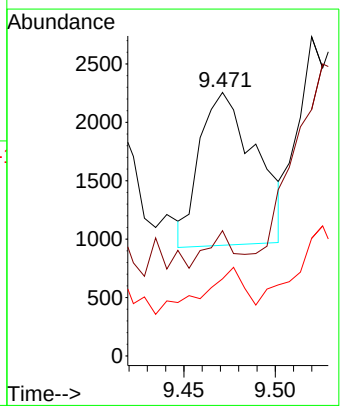


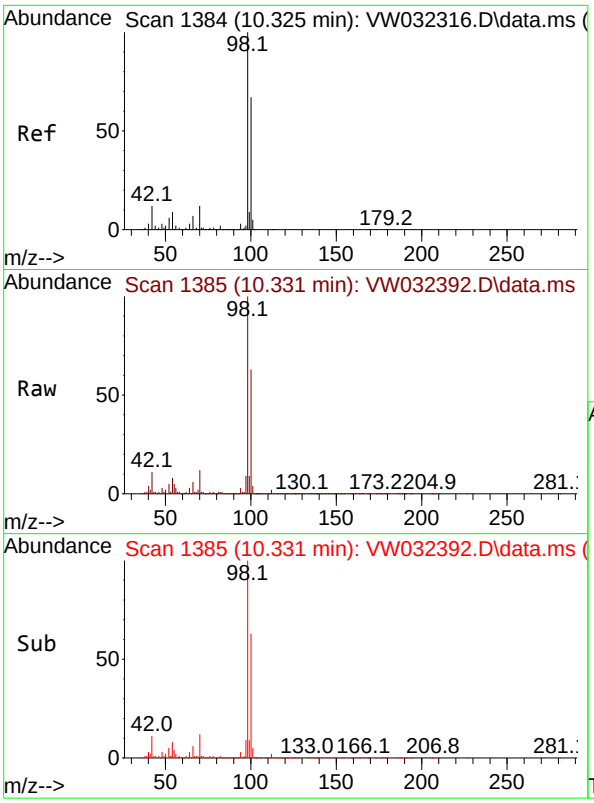


#48
Methyl methacrylate
Concen: 1.066 ug/l
RT: 9.471 min Scan# 1244
Delta R.T. 0.030 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Tgt Ion: 41 Resp: 2796

Ion	Ratio	Lower	Upper
41	100		
69	0.0	71.5	107.3#
39	23.2	55.9	83.9#



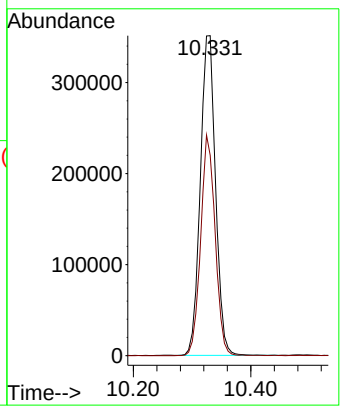


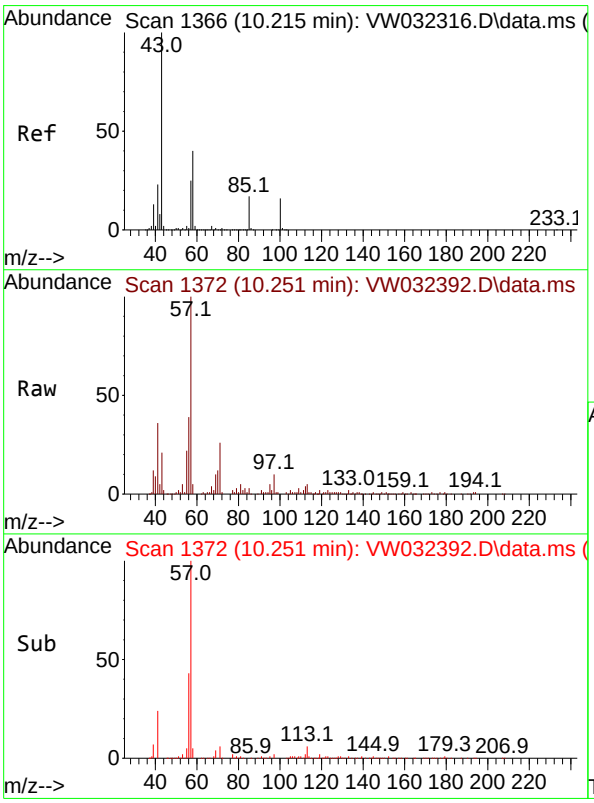
#50
Toluene-d8
Concen: 53.047 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion: 98 Resp: 633564

Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.4	77.2

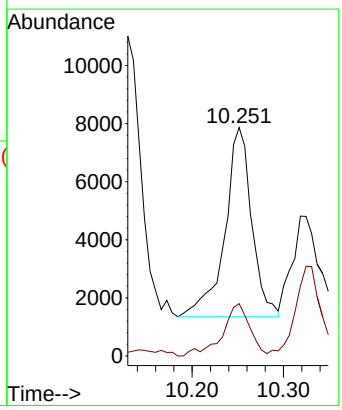


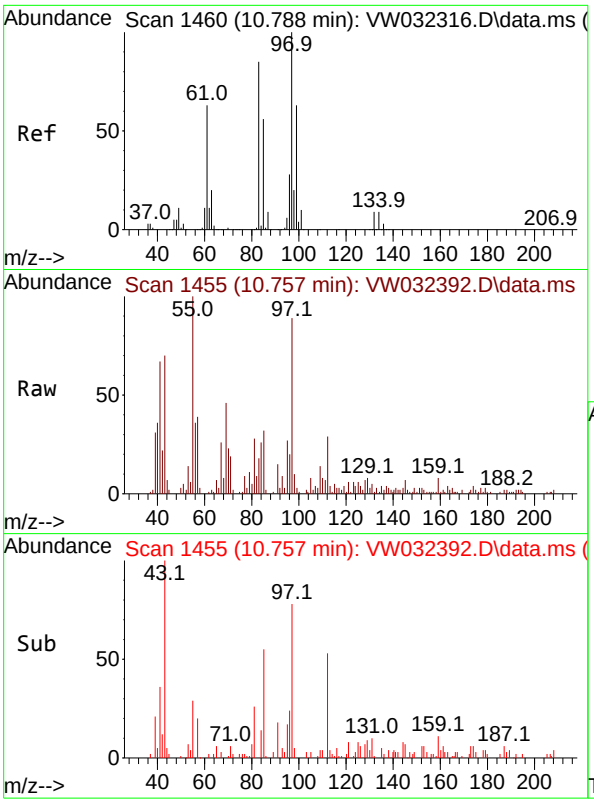


#51
4-Methyl-2-Pentanone
Concen: 4.269 ug/l
RT: 10.251 min Scan# 1372
Delta R.T. 0.036 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Tgt Ion: 43 Resp: 13334

Ion	Ratio	Lower	Upper
43	100		
58	28.0	32.0	48.0#



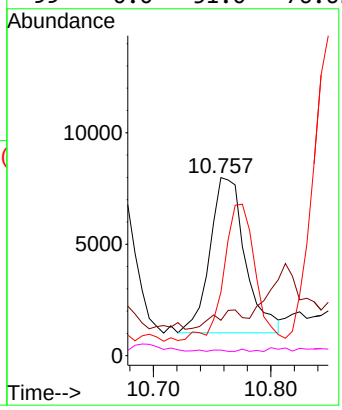


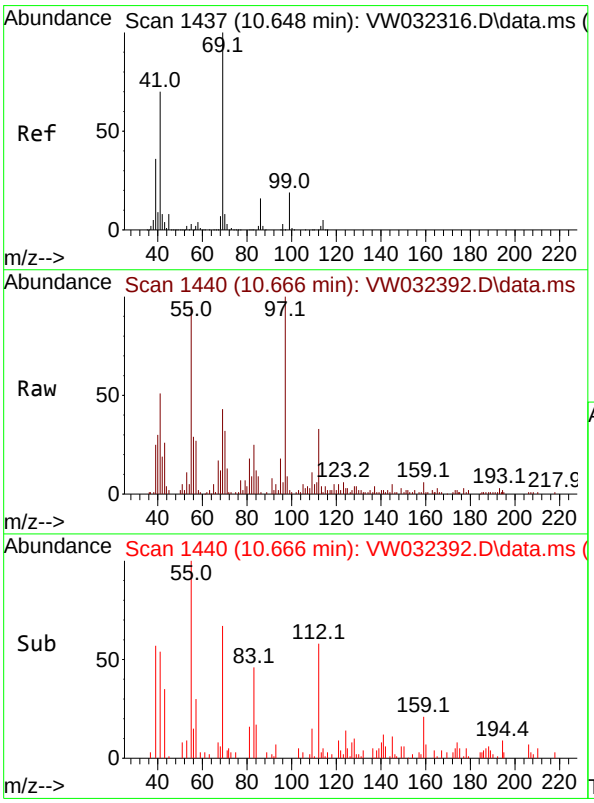
#55
1,1,2-Trichloroethane
Concen: 4.960 ug/l
RT: 10.757 min Scan# 14
Delta R.T. -0.031 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion: 97 Resp: 14564

Ion	Ratio	Lower	Upper
97	100		
83	1.5	71.0	106.6#
85	31.1	42.8	64.2#
99	0.0	51.0	76.6#

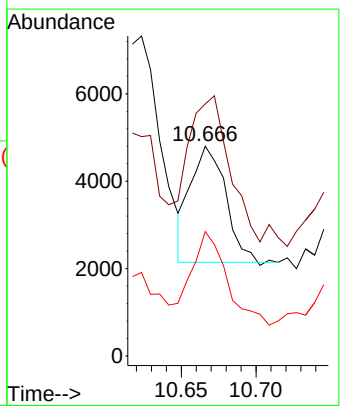


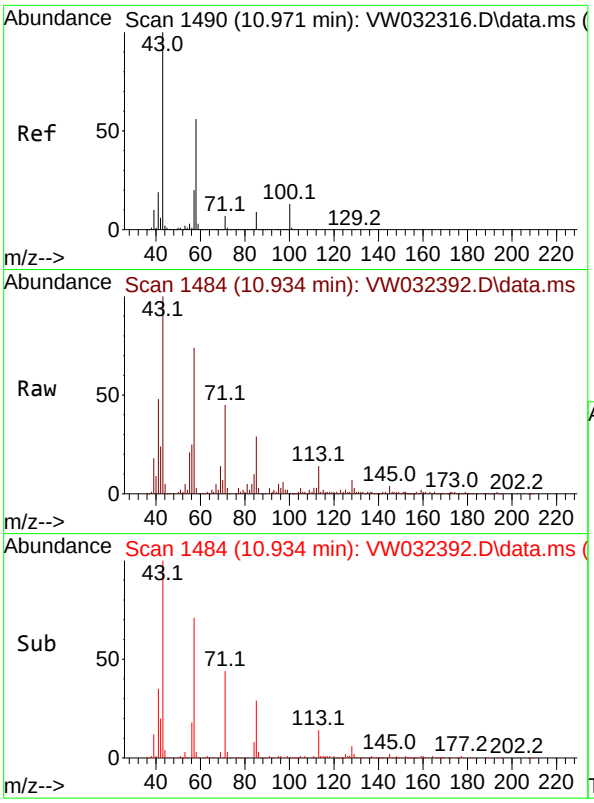


#56
Ethyl methacrylate
Concen: 1.058 ug/l
RT: 10.666 min Scan# 1440
Delta R.T. 0.018 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Tgt Ion: 69 Resp: 4348

Ion	Ratio	Lower	Upper
69	100		
41	148.0	53.2	79.8#
39	82.8	32.9	49.3#



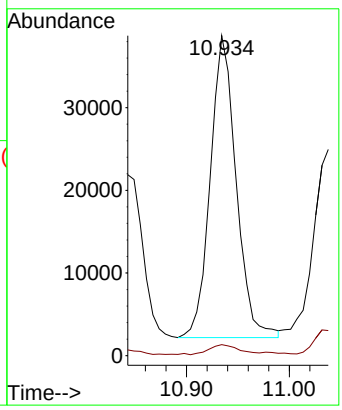


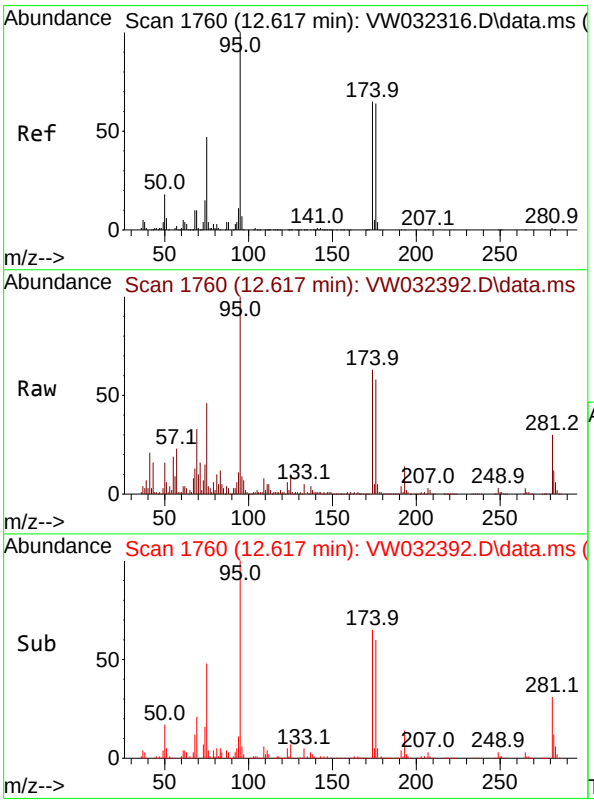
#59
2-Hexanone
Concen: 28.982 ug/l
RT: 10.934 min Scan# 14
Delta R.T. -0.037 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion: 43 Resp: 63843

Ion	Ratio	Lower	Upper
43	100		
58	3.6	27.5	82.4#

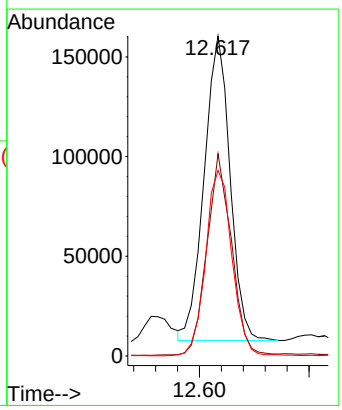


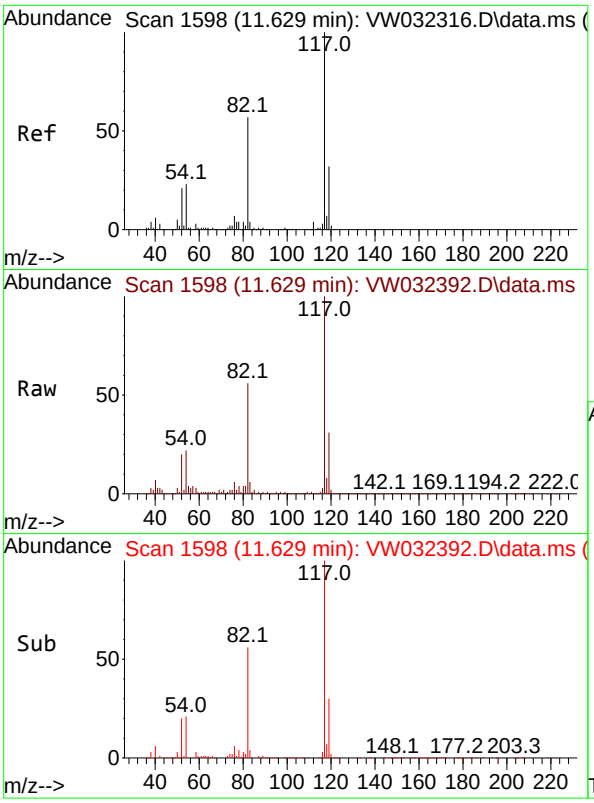


#62
4-Bromofluorobenzene
Concen: 55.532 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Tgt Ion: 95 Resp: 250680

Ion	Ratio	Lower	Upper
95	100		
174	62.9	0.0	145.6
176	62.1	0.0	140.8



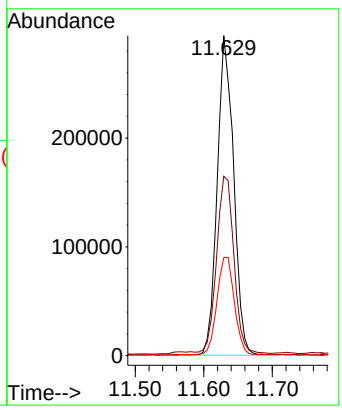


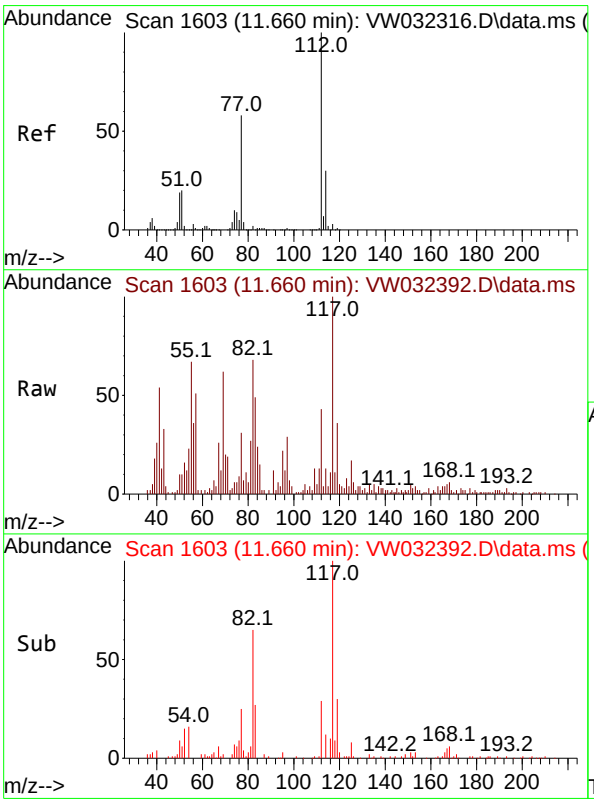
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion:117 Resp: 486561

Ion	Ratio	Lower	Upper
117	100		
82	55.3	42.7	64.1
119	30.4	25.2	37.8

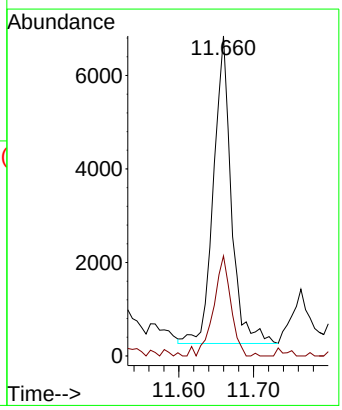


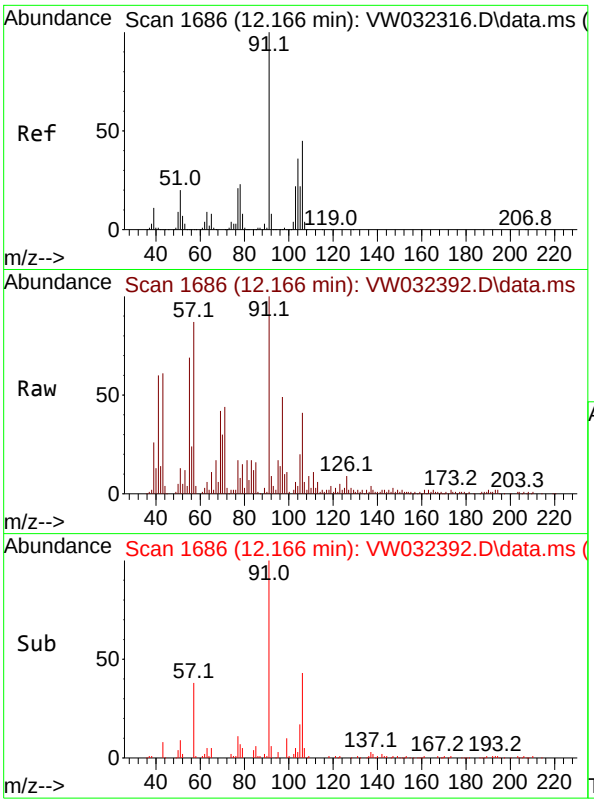


#65
Chlorobenzene
Concen: 1.015 ug/l
RT: 11.660 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Tgt Ion:112 Resp: 10869

Ion	Ratio	Lower	Upper
112	100		
114	31.5	26.0	39.0



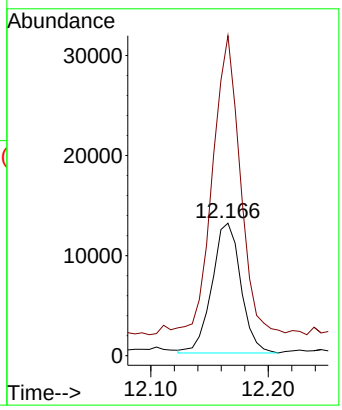


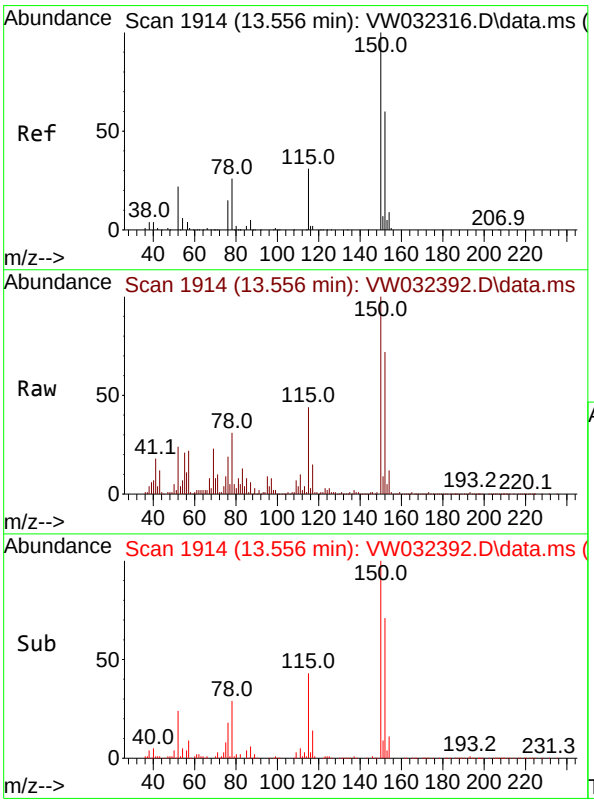
#69
o-Xylene
Concen: 3.445 ug/l
RT: 12.166 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion:106 Resp: 22170

Ion	Ratio	Lower	Upper
106	100		
91	226.5	108.7	326.3

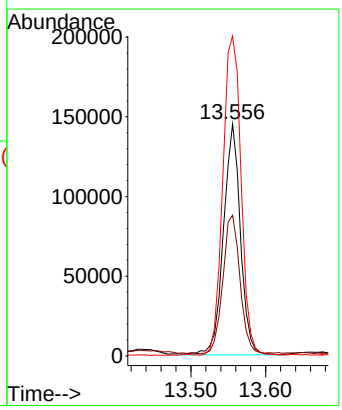


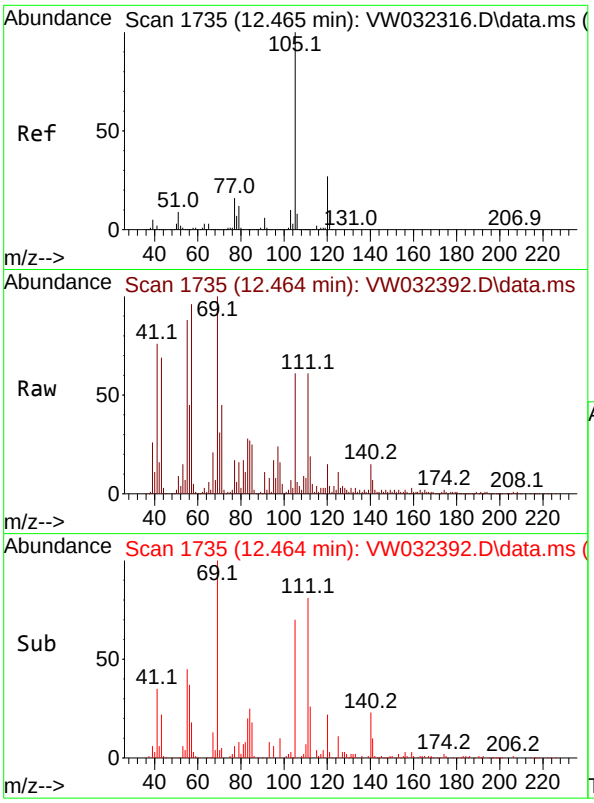


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Tgt Ion:152 Resp: 228417

Ion	Ratio	Lower	Upper
152	100		
115	60.6	31.8	95.4
150	148.4	0.0	343.0



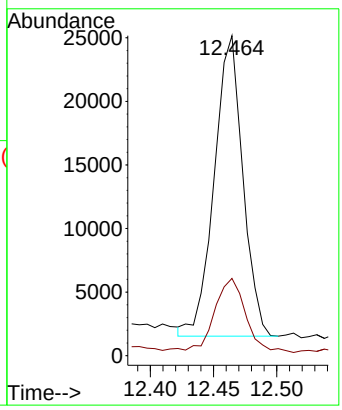


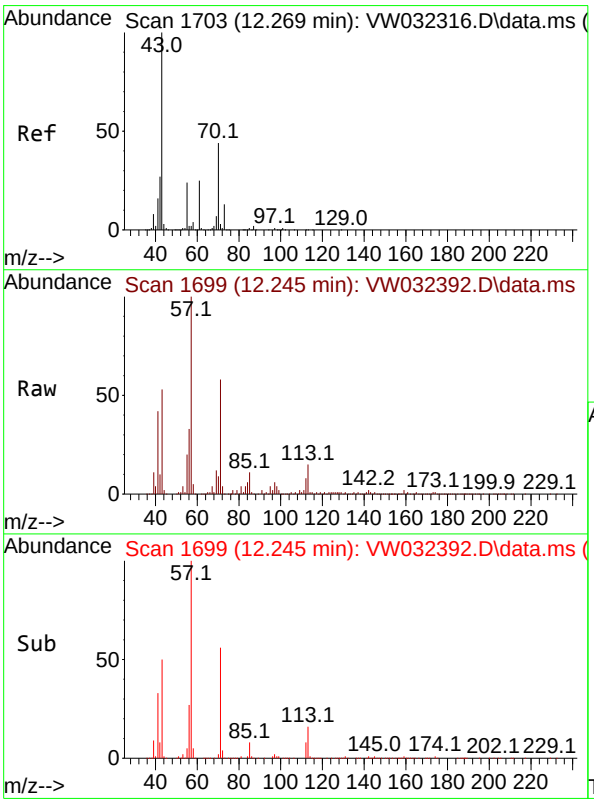
#73
Isopropylbenzene
Concen: 2.374 ug/l
RT: 12.464 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion:105 Resp: 37096

Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.0	38.9

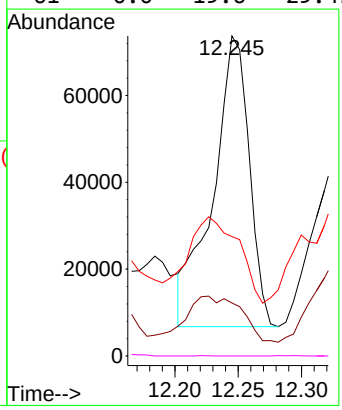


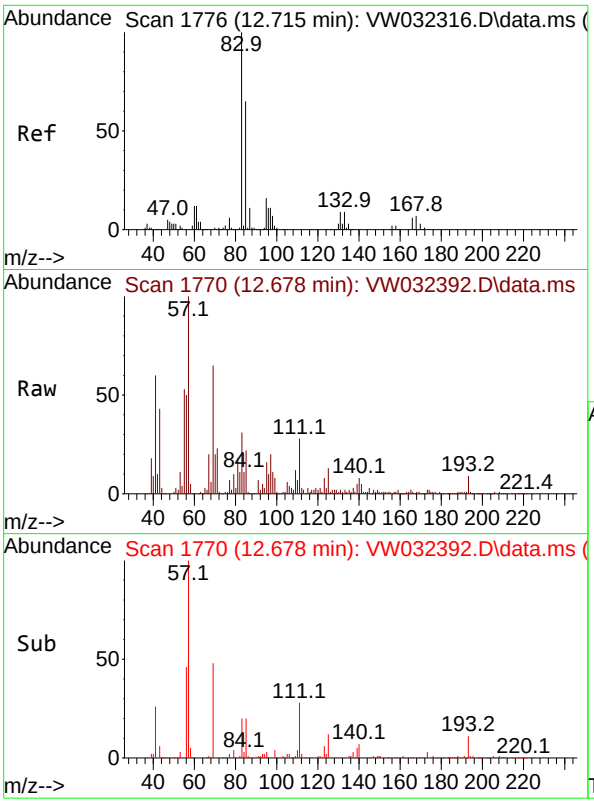


#74
N-amyl acetate
Concen: 26.851 ug/l
RT: 12.245 min Scan# 1699
Delta R.T. -0.025 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Tgt Ion: 43 Resp: 133859

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



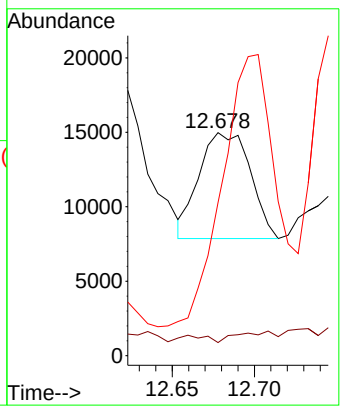


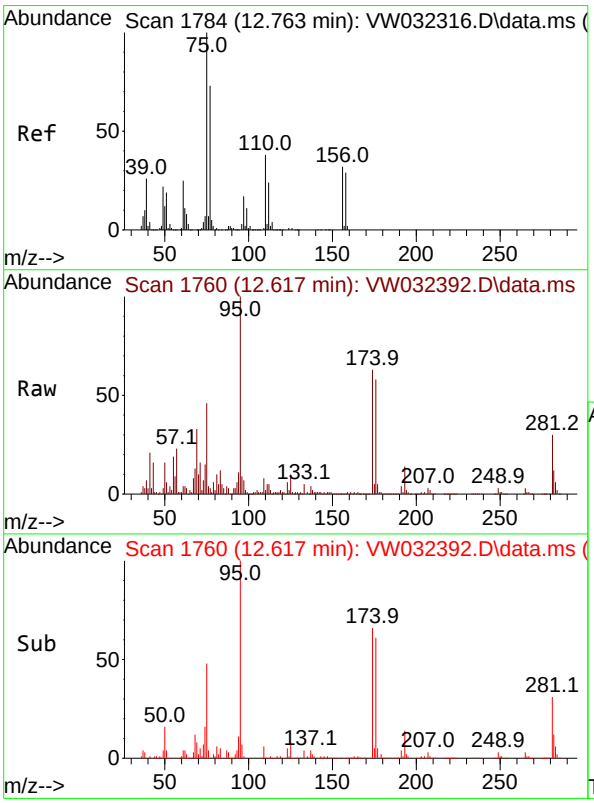
#75
1,1,2,2-Tetrachloroethane
Concen: 3.954 ug/l
RT: 12.678 min Scan# 1
Delta R.T. -0.037 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion: 83 Resp: 15343

Ion	Ratio	Lower	Upper
83	100		
131	3.7	5.1	15.4#
85	0.0	32.2	96.6#

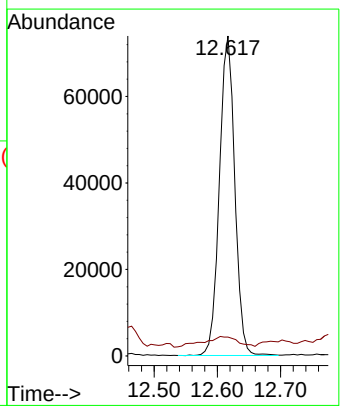


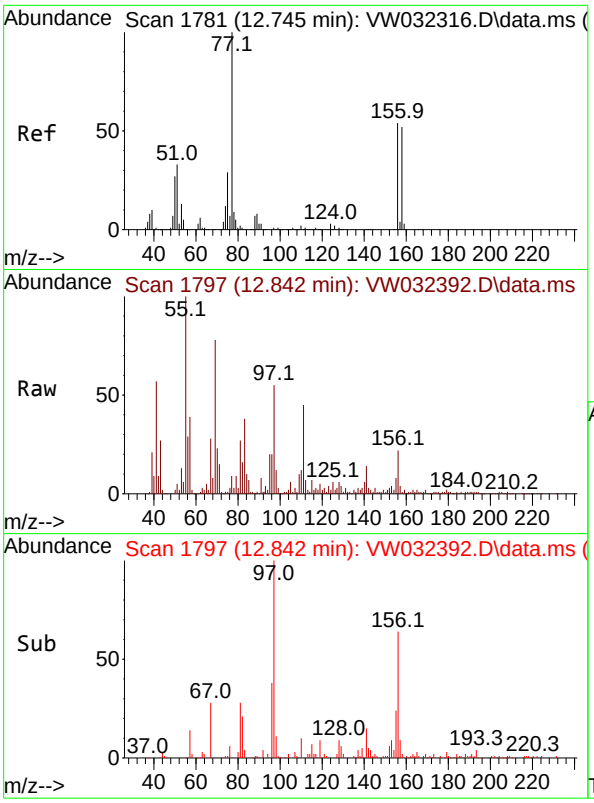


#76
1,2,3-Trichloropropane
Concen: 41.329 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Tgt Ion: 75 Resp: 124229

Ion	Ratio	Lower	Upper
75	100		
77	6.9	141.7	425.1#



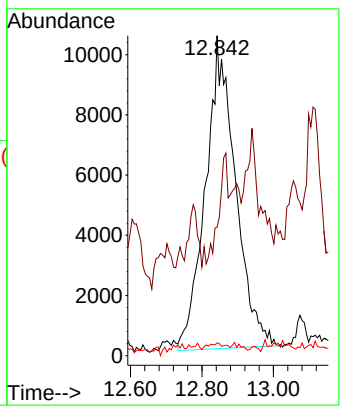


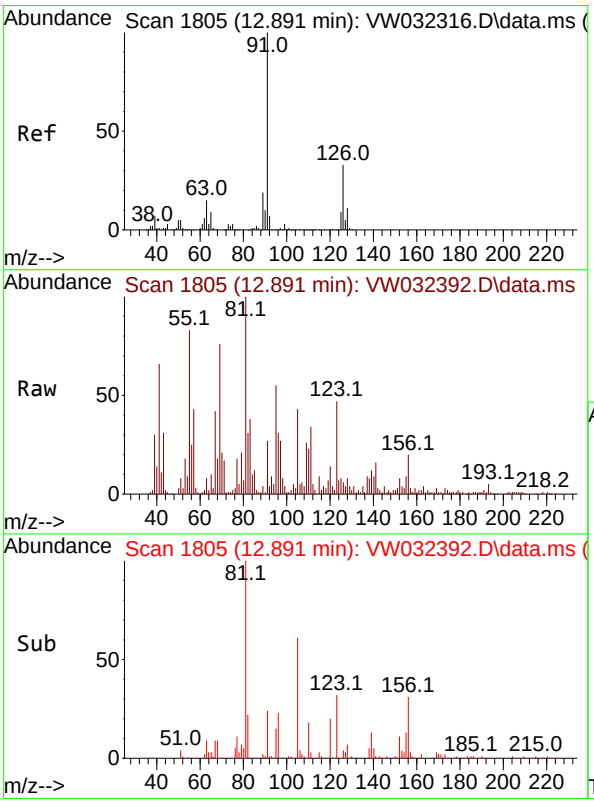
#77
Bromobenzene
Concen: 16.011 ug/l
RT: 12.842 min Scan# 1
Delta R.T. 0.097 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion:156 Resp: 60315

Ion	Ratio	Lower	Upper
156	100		
77	0.0	98.6	295.7#
158	1.3	48.4	145.0#

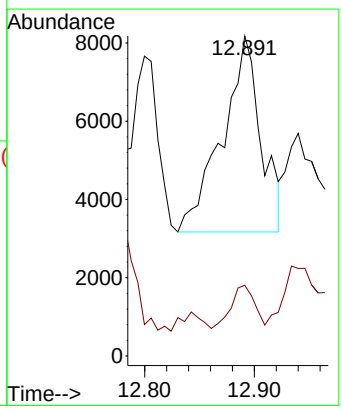


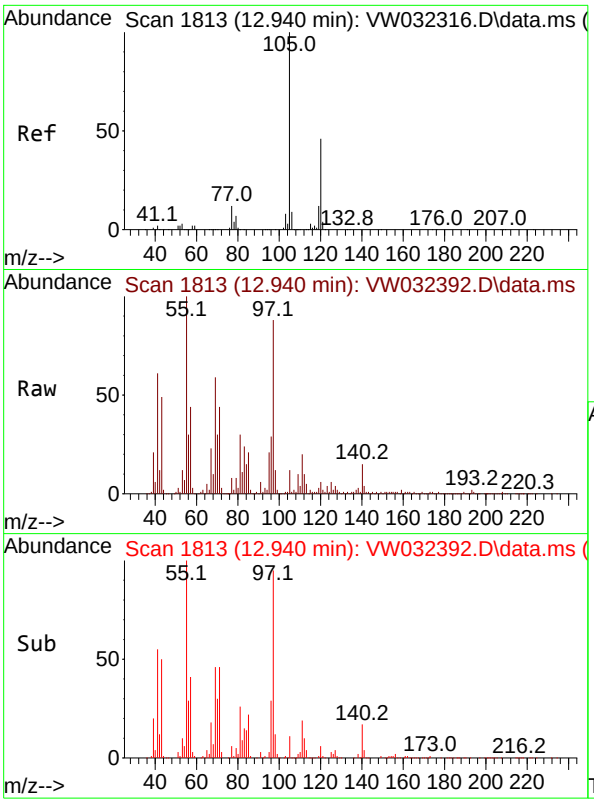


#79
2-Chlorotoluene
Concen: 1.029 ug/l
RT: 12.891 min Scan# 1805
Delta R.T. 0.006 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Tgt Ion: 91 Resp: 12286

Ion	Ratio	Lower	Upper
91	100		
126	16.9	16.6	49.7



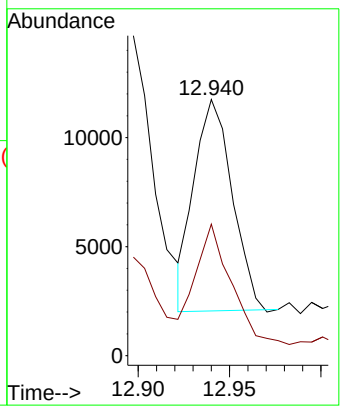


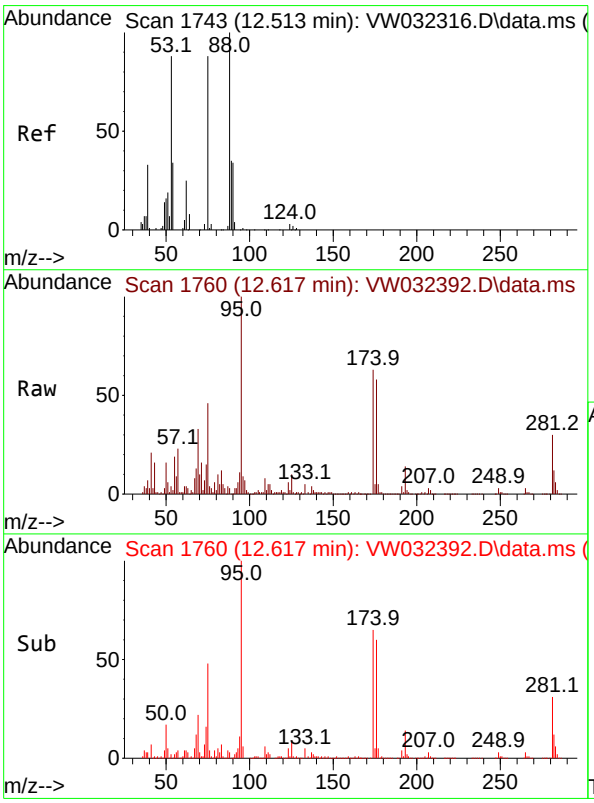
#80
1,3,5-Trimethylbenzene
Concen: 1.039 ug/l
RT: 12.940 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion:105 Resp: 14046

Ion	Ratio	Lower	Upper
105	100		
120	54.2	24.8	74.4

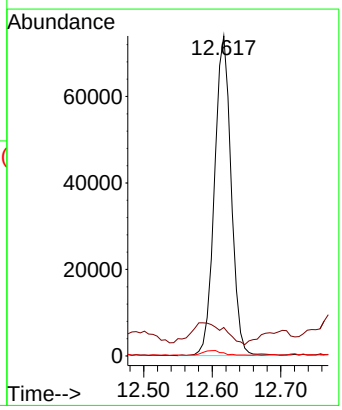


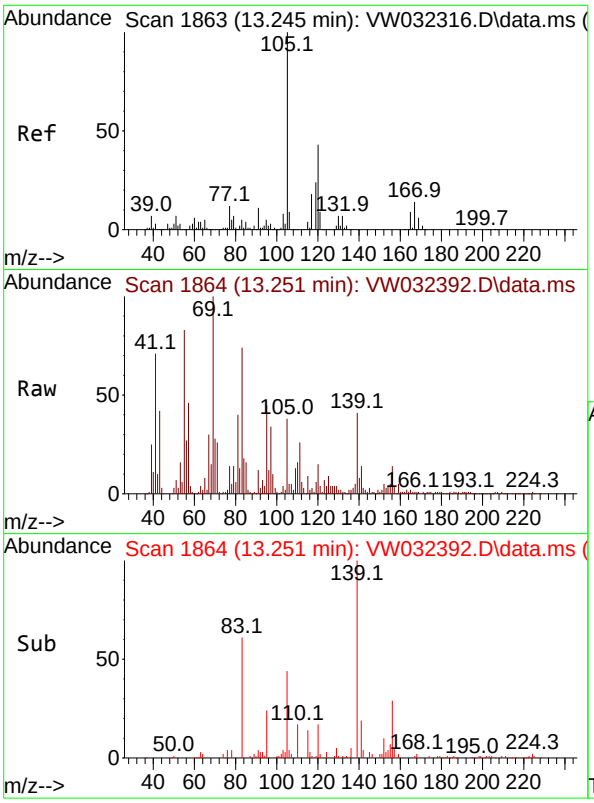


#81
trans-1,4-Dichloro-2-butene
Concen: 104.922 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Tgt Ion: 75 Resp: 124495

Ion	Ratio	Lower	Upper
75	100		
53	0.0	91.0	136.6#
89	1.8	39.4	59.2#



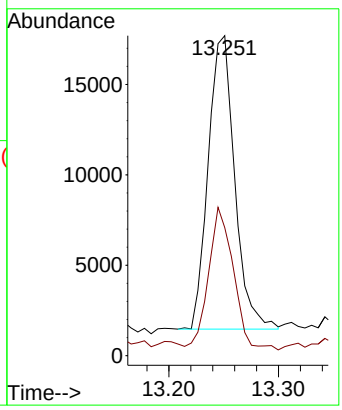


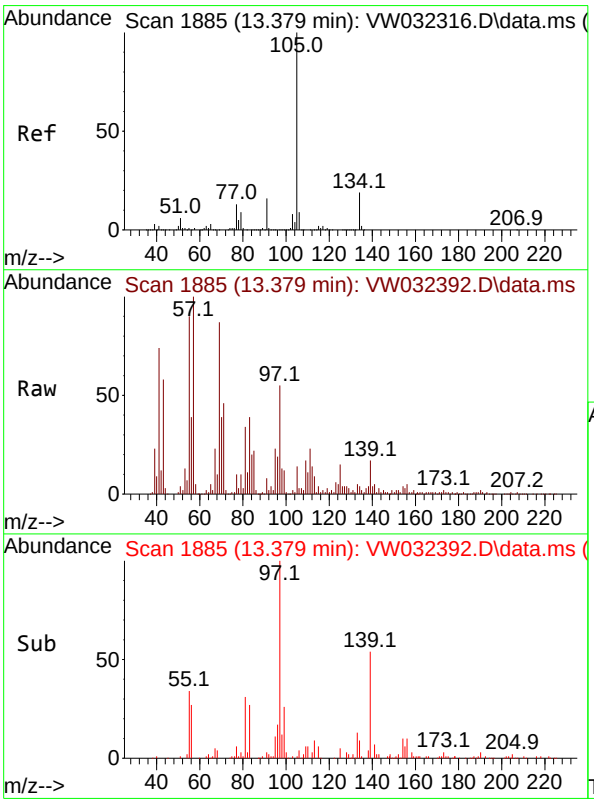
#84
1,2,4-Trimethylbenzene
Concen: 1.983 ug/l
RT: 13.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion:105 Resp: 27247

Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.1	66.3

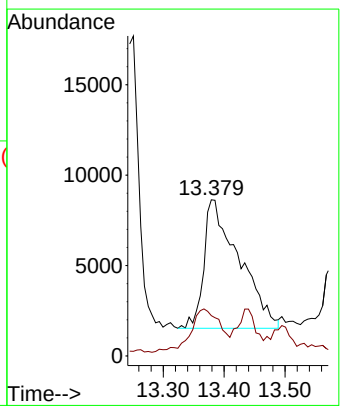


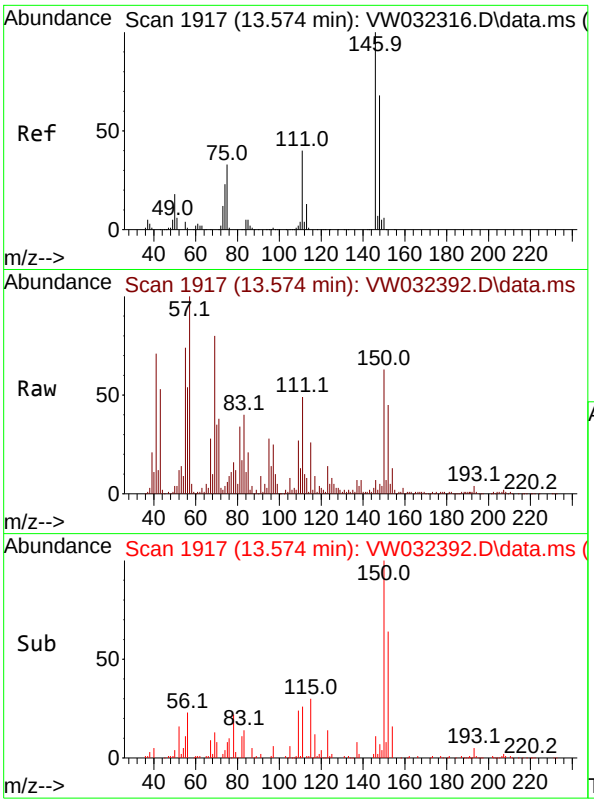


#85
sec-Butylbenzene
Concen: 1.683 ug/l
RT: 13.379 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Tgt Ion:105 Resp: 28519

Ion	Ratio	Lower	Upper
105	100		
134	28.6	10.1	30.1





#88
1,4-Dichlorobenzene
Concen: 1.012 ug/l
RT: 13.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032392.D
Acq: 20 Oct 2025 16:24

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion:146 Resp: 7716

Ion	Ratio	Lower	Upper
146	100		
111	559.9	21.3	63.7#
148	91.0	33.4	100.1