Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
Data File : VX046625.D
Acq On : 11 Jun 2025 00:54
Operator : JC/MD
Sample : Q2203-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

Quant Time: Jun 11 06:52:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061025W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 11 06:20:28 2025
Response via : Initial Calibration

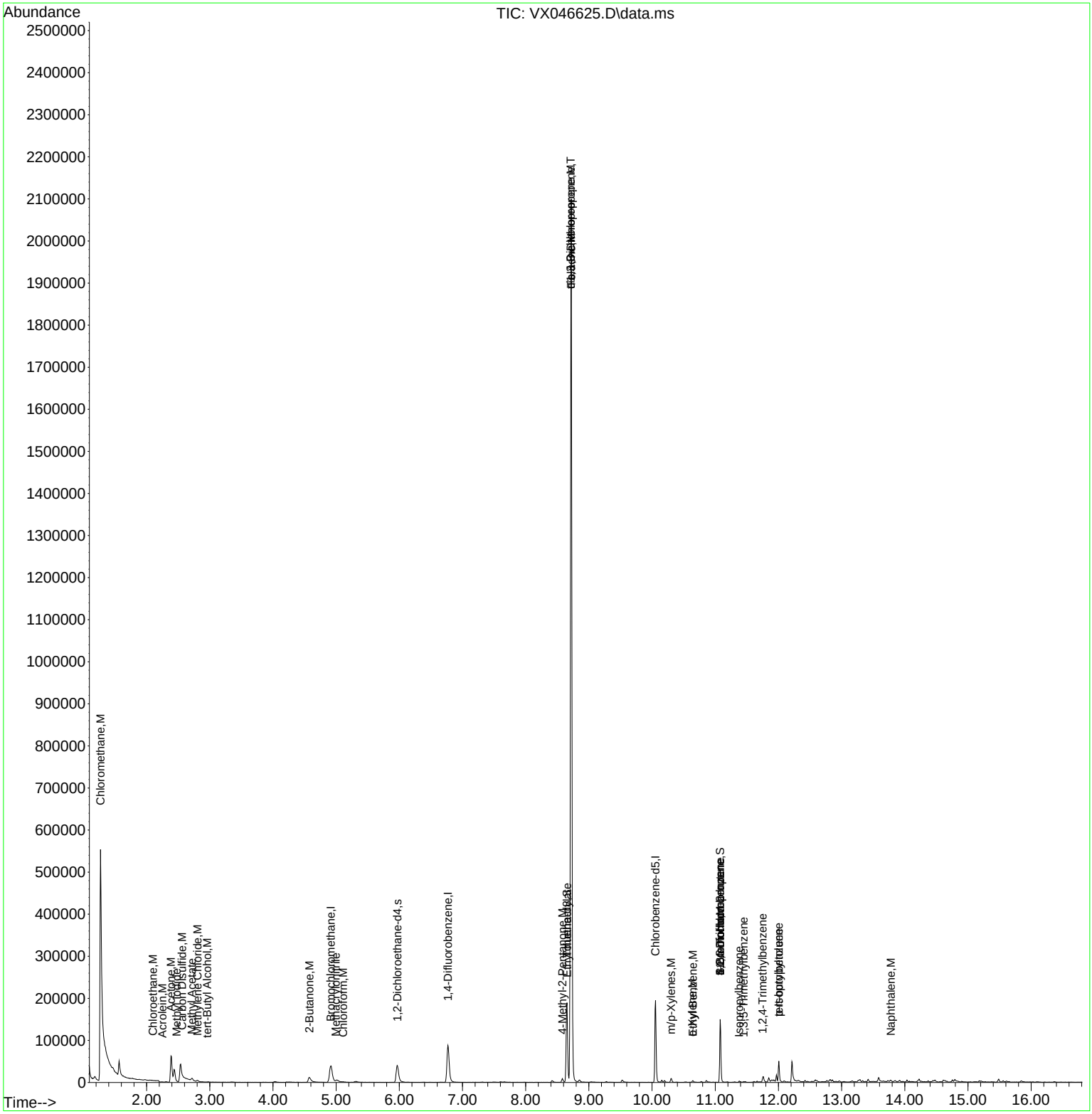
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.916	128	17480	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	92940	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	83680	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.970	65	43798	30.953	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.167%			
60) 4-Bromofluorobenzene	11.079	95	40172	28.482	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 94.933%			
63) Toluene-d8	8.653	98	111982	29.960	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.867%			
Target Compounds						Qvalue
3) Chloromethane	1.270	50	18574	15.863	ug/l #	40
6) Chloroethane	2.099	64	243	0.375	ug/l #	43
11) Methyl Iodide	2.477	142	358	0.252	ug/l #	80
12) Methyl Acetate	2.715	43	6724	5.112	ug/l	100
13) Acrolein	2.252	56	190	1.474	ug/l #	71
15) Acetone	2.386	58	23040	186.407	ug/l	90
16) Carbon Disulfide	2.563	76	19354	6.685	ug/l	99
18) Methylene Chloride	2.806	84	1302	1.131	ug/l #	76
23) tert-Butyl Alcohol	2.959	59	34	0.311	ug/l #	100
25) Chloroform	5.111	83	541	0.256	ug/l #	78
30) 2-Butanone	4.574	43	24433	37.499	ug/l #	91
35) Methacrylonitrile	4.995	41	353	0.442	ug/l #	41
48) t-1,3-Dichloropropene	8.714	75	9697	6.627	ug/l #	1
49) cis-1,3-Dichloropropene	8.714	75	9697	5.936	ug/l #	1
51) Ethyl methacrylate	8.659	69	368	0.240	ug/l	93
56) Bromoform	11.079	173	171	0.232	ug/l #	1
58) 4-Methyl-2-Pentanone	8.580	43	5836	4.288	ug/l	97
62) Toluene	8.720	91	1293292	285.183	ug/l	100
66) Ethyl Benzene	10.646	91	2034	0.393	ug/l	97
67) m/p-Xylenes	10.299	106	2338	1.221	ug/l	93
68) o-Xylene	10.640	106	785	0.426	ug/l	75
70) Isopropylbenzene	11.378	105	2219	0.448	ug/l	97
72) 1,2,3-Trichloropropane	11.079	75	21906	18.049	ug/l	36
76) 1,3,5-Trimethylbenzene	11.451	105	941	0.229	ug/l	95
77) t-1,4-Dichloro-2-butene	11.079	75	21906	53.430	ug/l #	1
79) tert-butylbenzene	12.006	119	20174	4.920	ug/l	64
80) 1,2,4-Trimethylbenzene	11.750	105	4241	1.044	ug/l	80
82) p-Isopropyltoluene	12.006	119	20174	4.684	ug/l	99
91) Naphthalene	13.780	128	2566	0.591	ug/l	96

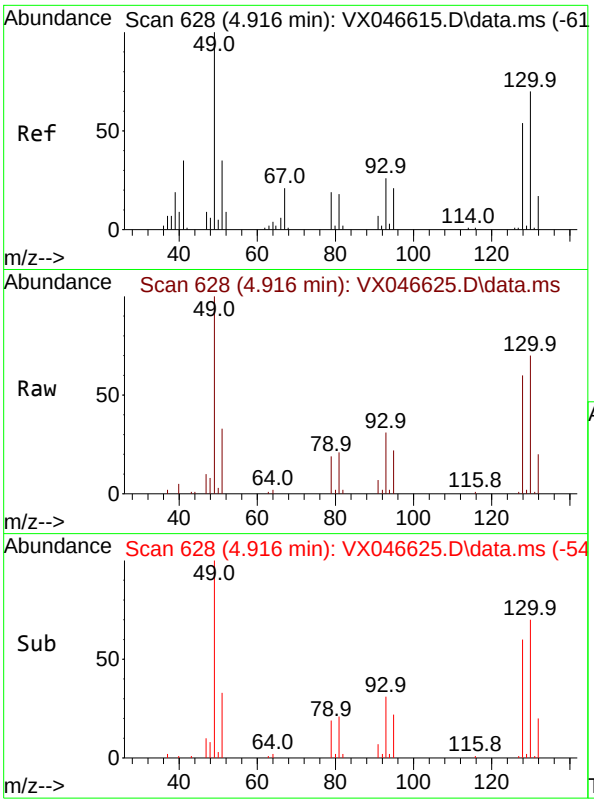
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
Data File : VX046625.D
Acq On : 11 Jun 2025 00:54
Operator : JC/MD
Sample : Q2203-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

Quant Time: Jun 11 06:52:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061025W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 11 06:20:28 2025
Response via : Initial Calibration



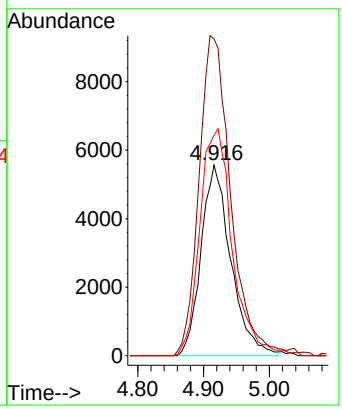


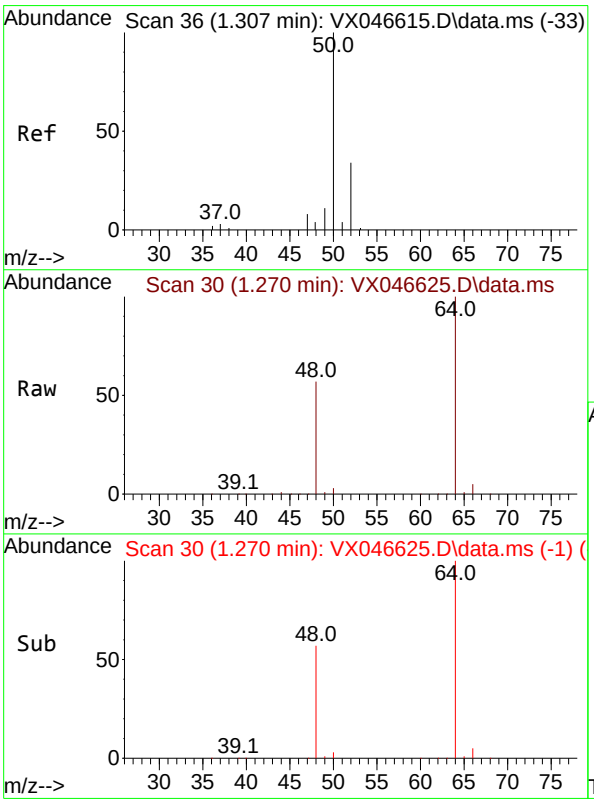
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

Tgt Ion:128 Resp: 17480

Ion	Ratio	Lower	Upper
128	100		
49	178.7	0.0	448.3
130	129.5	0.0	312.0

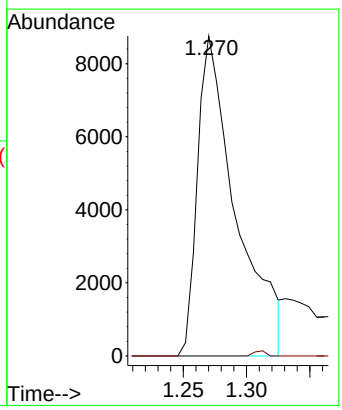


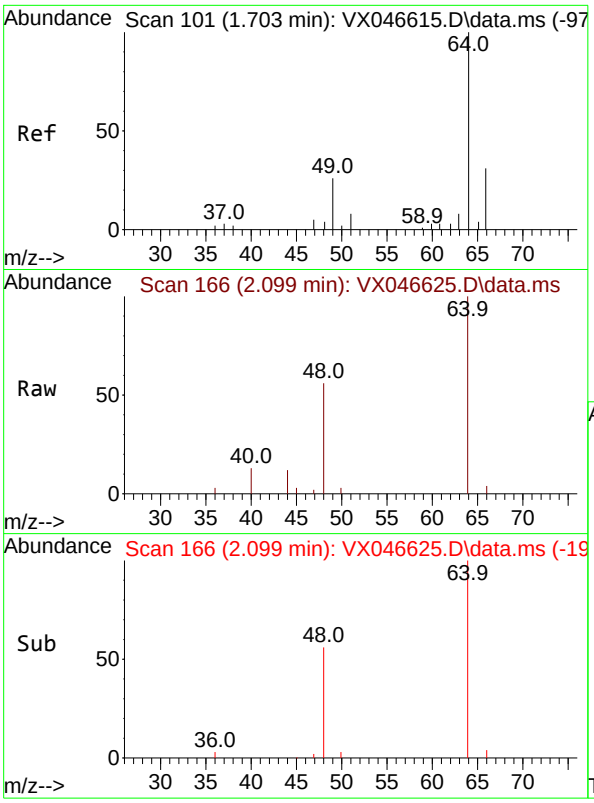


#3
Chloromethane
Concen: 15.863 ug/l
RT: 1.270 min Scan# 30
Delta R.T. -0.036 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Tgt Ion: 50 Resp: 18574

Ion	Ratio	Lower	Upper
50	100		
52	0.0	27.4	41.2#



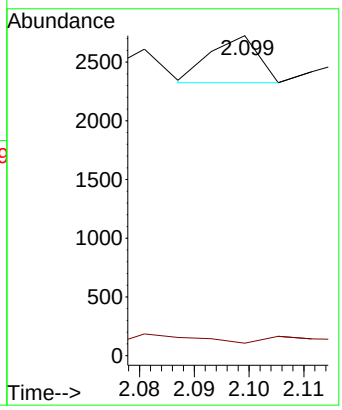


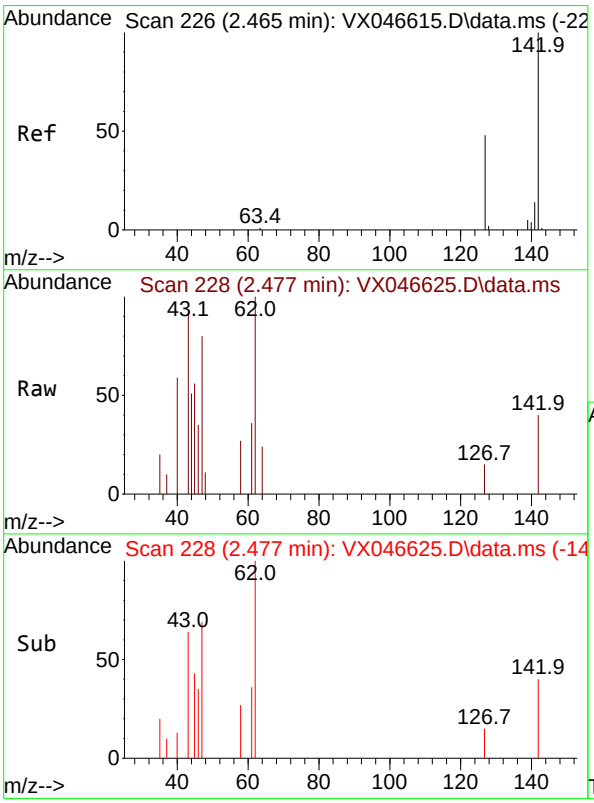
#6
Chloroethane
Concen: 0.375 ug/l
RT: 2.099 min Scan# 1
Delta R.T. 0.396 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

Tgt Ion: 64 Resp: 243

Ion	Ratio	Lower	Upper
64	100		
66	0.0	25.0	37.6#

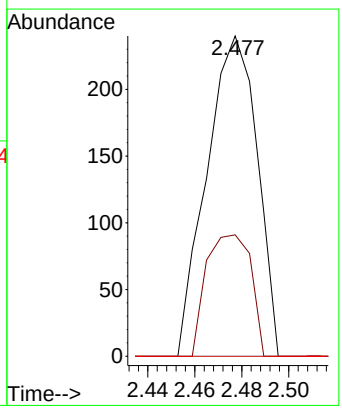


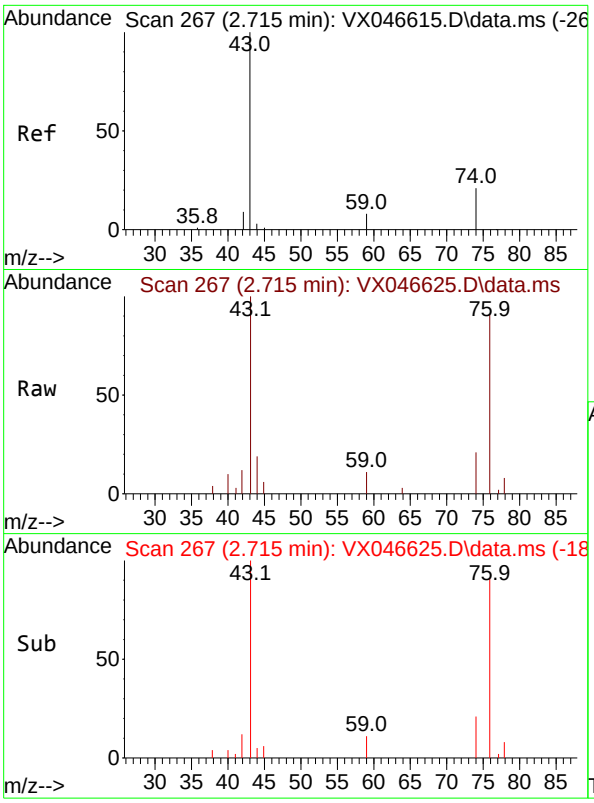


#11
Methyl Iodide
Concen: 0.252 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.012 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Tgt Ion:142 Resp: 358

Ion	Ratio	Lower	Upper
142	100		
127	37.9	24.1	72.4
141	0.0	7.0	20.9#



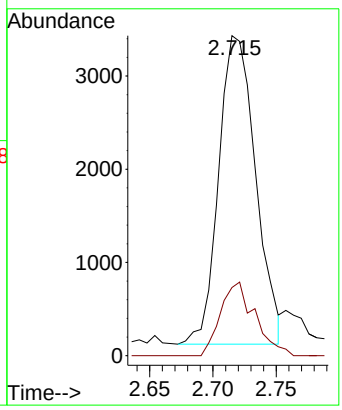


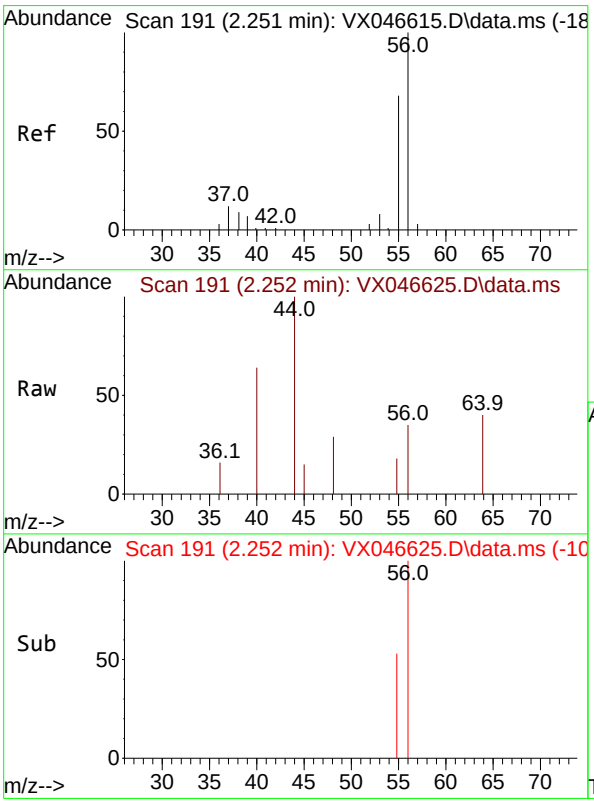
#12
Methyl Acetate
Concen: 5.112 ug/l
RT: 2.715 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

Tgt Ion: 43 Resp: 6724

Ion	Ratio	Lower	Upper
43	100		
74	21.7	17.2	25.8

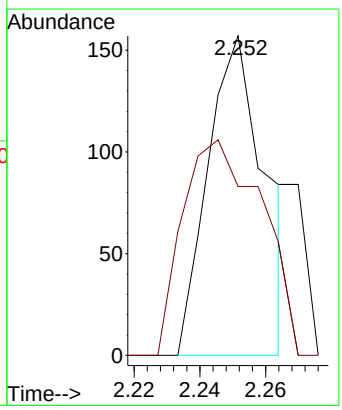


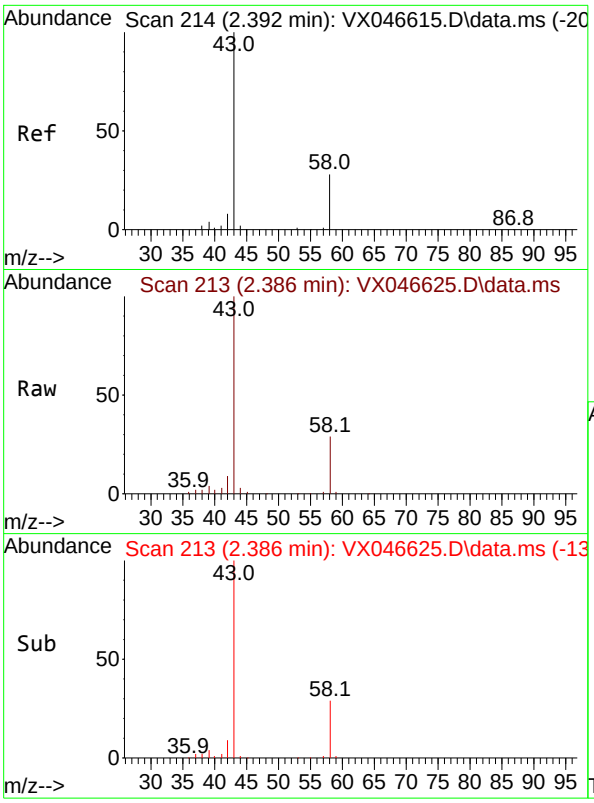


#13
Acrolein
Concen: 1.474 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.000 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Tgt Ion: 56 Resp: 190

Ion	Ratio	Lower	Upper
56	100		
55	93.7	56.0	84.0#



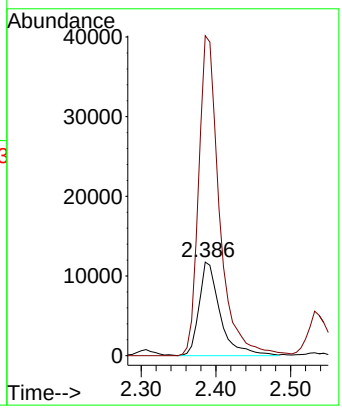


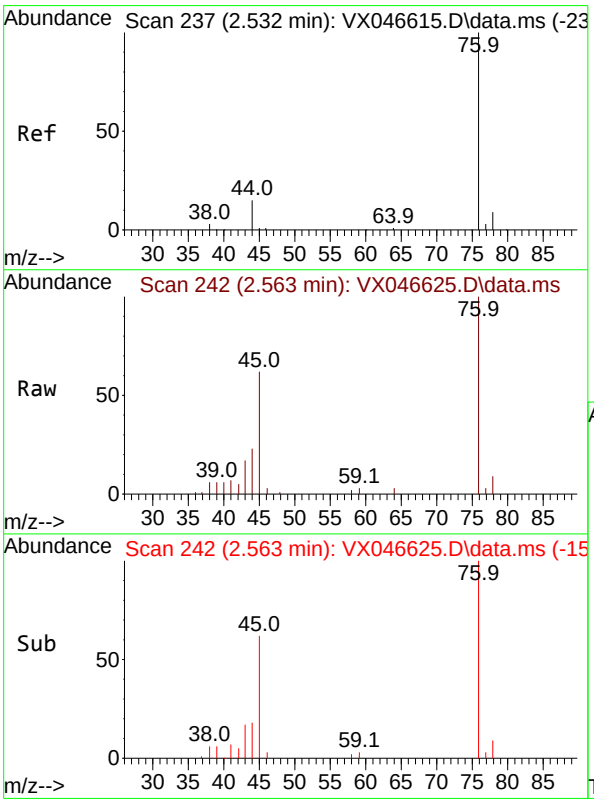
#15
Acetone
Concen: 186.407 ug/l
RT: 2.386 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

Tgt Ion: 58 Resp: 23040

Ion	Ratio	Lower	Upper
58	100		
43	341.7	290.6	435.8

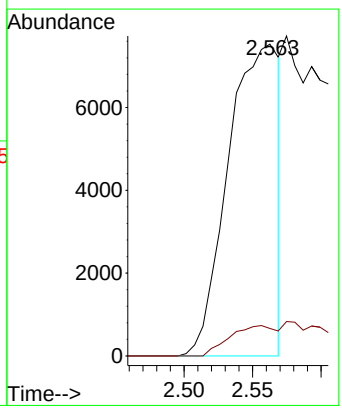


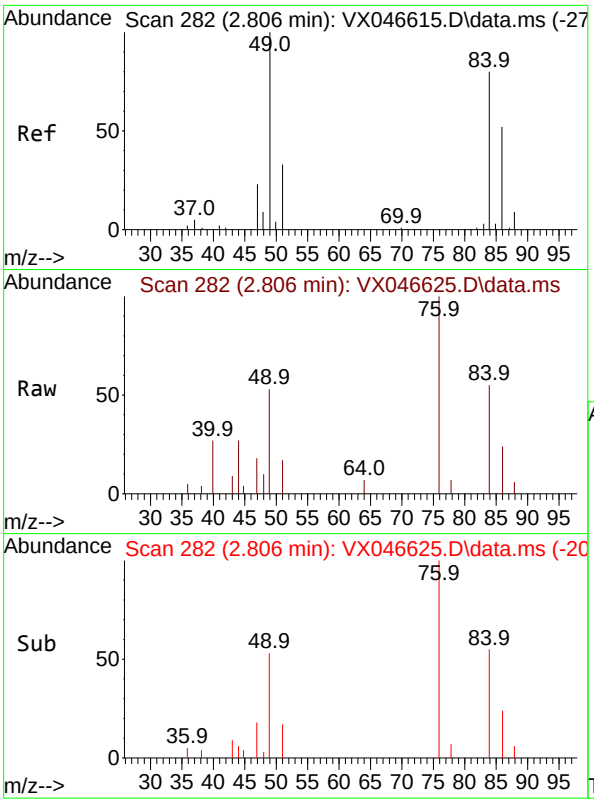


#16
Carbon Disulfide
Concen: 6.685 ug/l
RT: 2.563 min Scan# 242
Delta R.T. 0.031 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Tgt Ion: 76 Resp: 19354

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.0



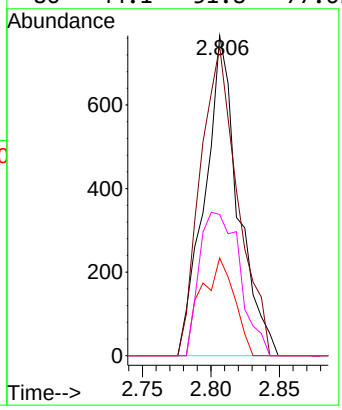


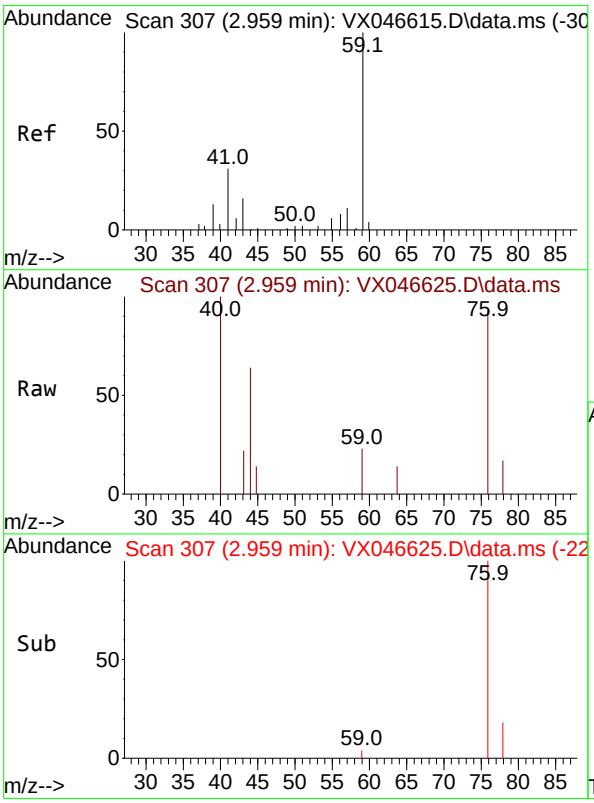
#18
Methylene Chloride
Concen: 1.131 ug/l
RT: 2.806 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

Tgt Ion: 84 Resp: 1302

Ion	Ratio	Lower	Upper
84	100		
49	96.7	100.1	150.1#
51	30.5	33.0	49.4#
86	44.1	51.8	77.6#

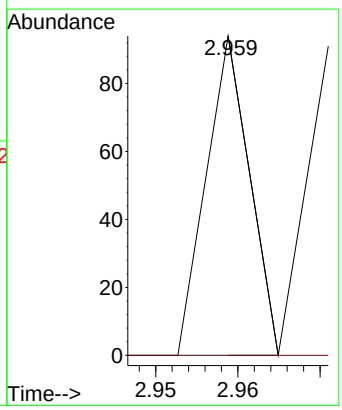


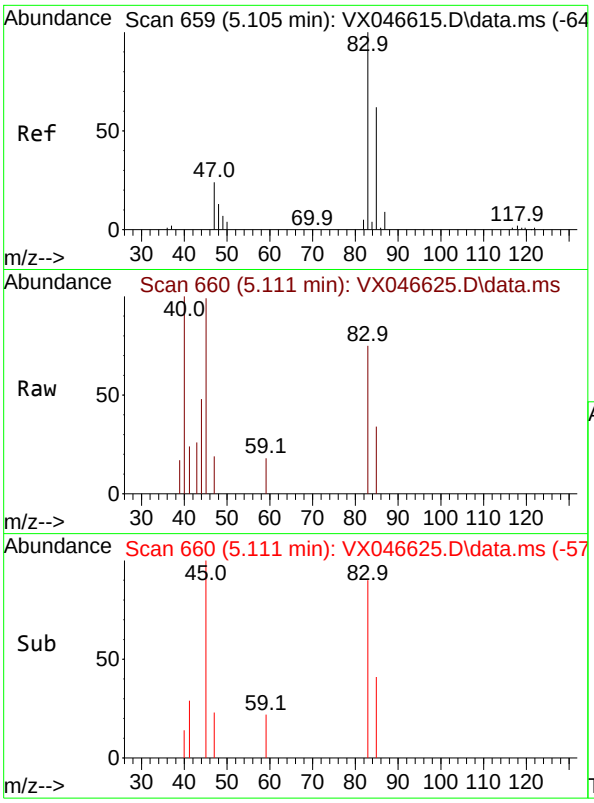


#23
tert-Butyl Alcohol
Concen: 0.311 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.000 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Tgt Ion: 59 Resp: 34

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0



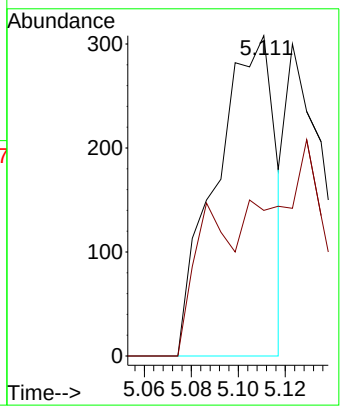


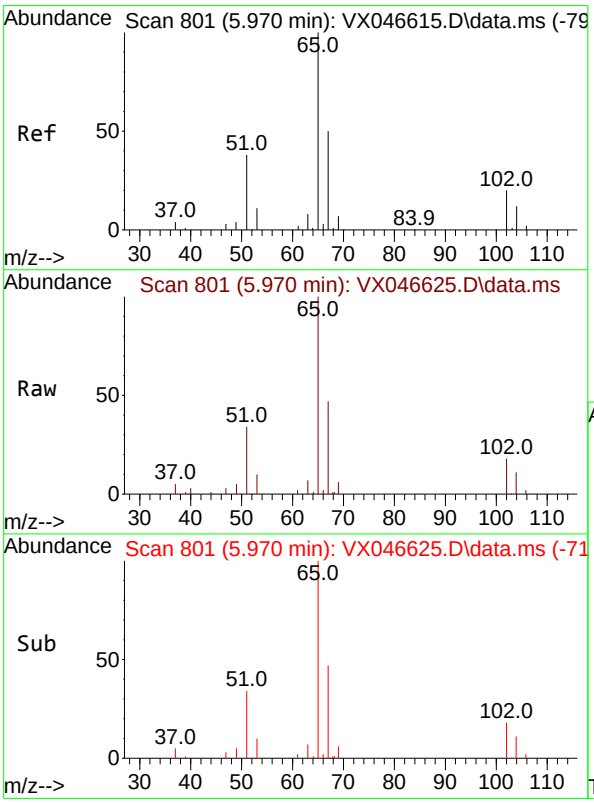
#25
Chloroform
Concen: 0.256 ug/l
RT: 5.111 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

Tgt Ion: 83 Resp: 541

Ion	Ratio	Lower	Upper
83	100		
85	45.5	49.8	74.6#

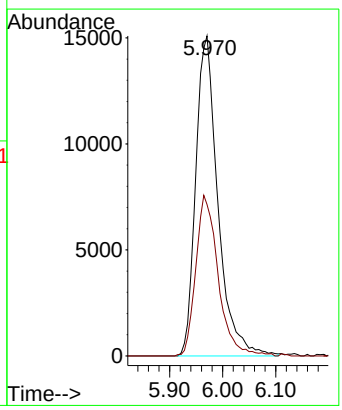


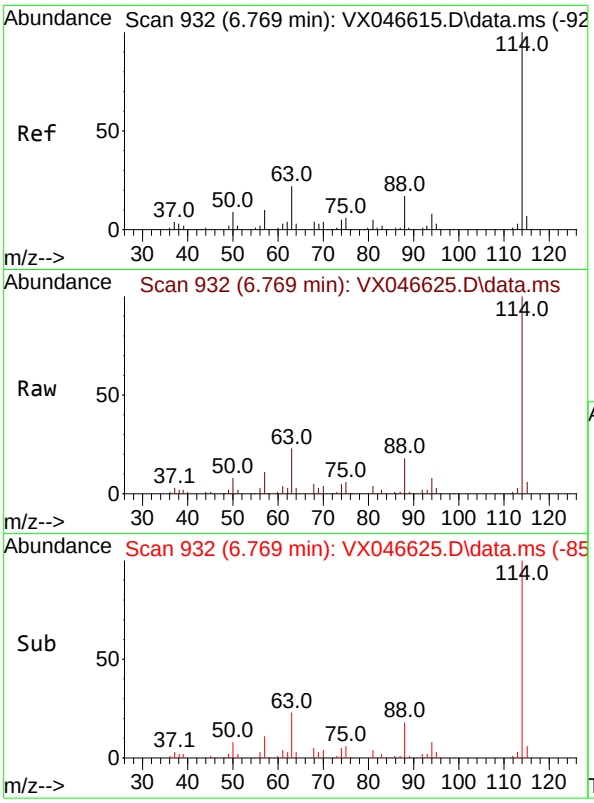


#27
1,2-Dichloroethane-d4
Concen: 30.953 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.000 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Tgt Ion: 65 Resp: 43798

Ion	Ratio	Lower	Upper
65	100		
67	50.4	41.4	62.2



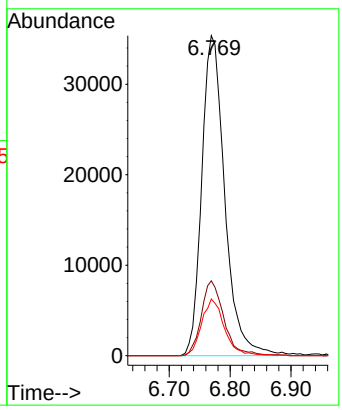


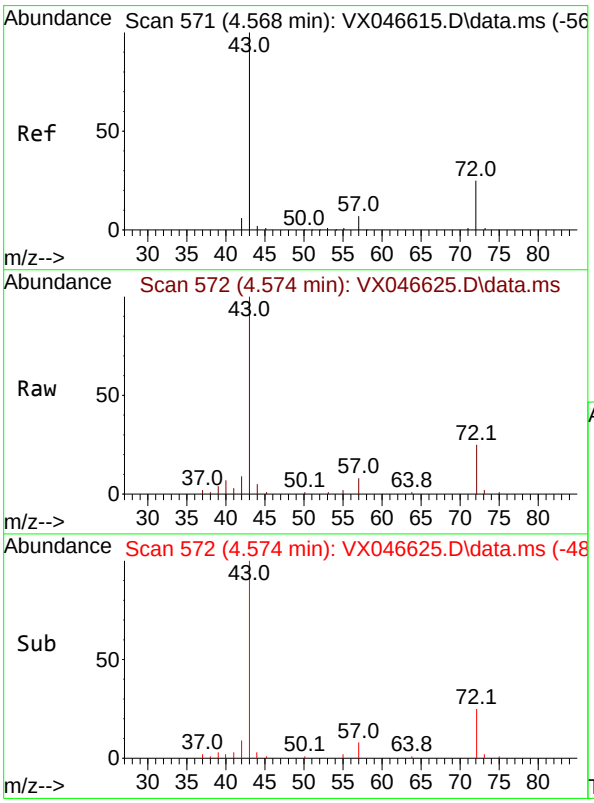
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

Tgt Ion:114 Resp: 92940

Ion	Ratio	Lower	Upper
114	100		
63	22.9	18.1	27.1
88	17.0	14.1	21.1

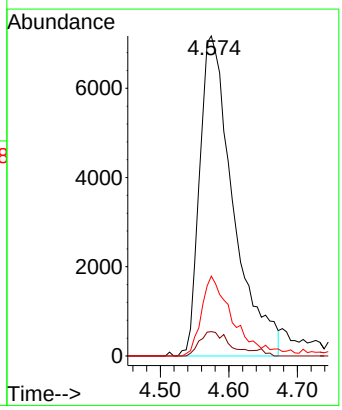


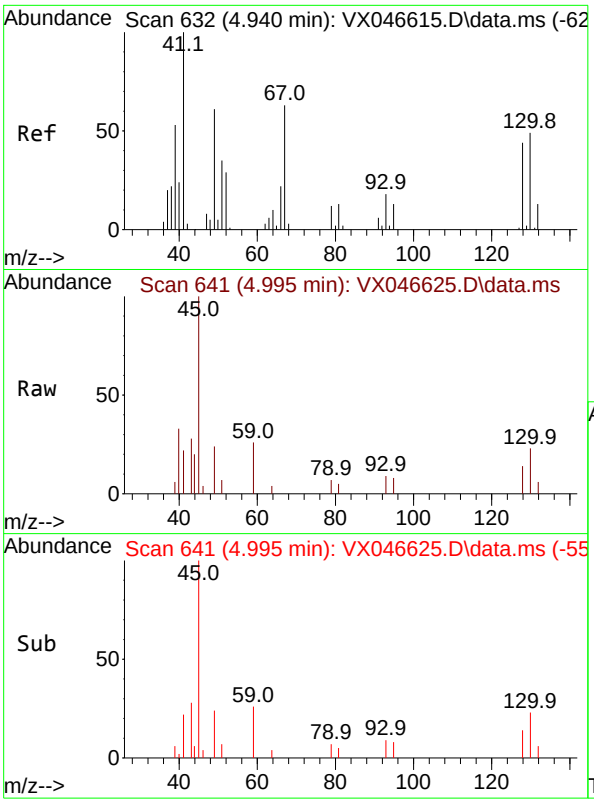


#30
2-Butanone
Concen: 37.499 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Tgt Ion: 43 Resp: 24433

Ion	Ratio	Lower	Upper
43	100		
57	6.3	5.8	8.6
72	18.8	19.4	29.2#



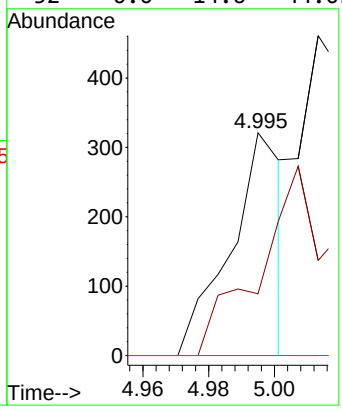


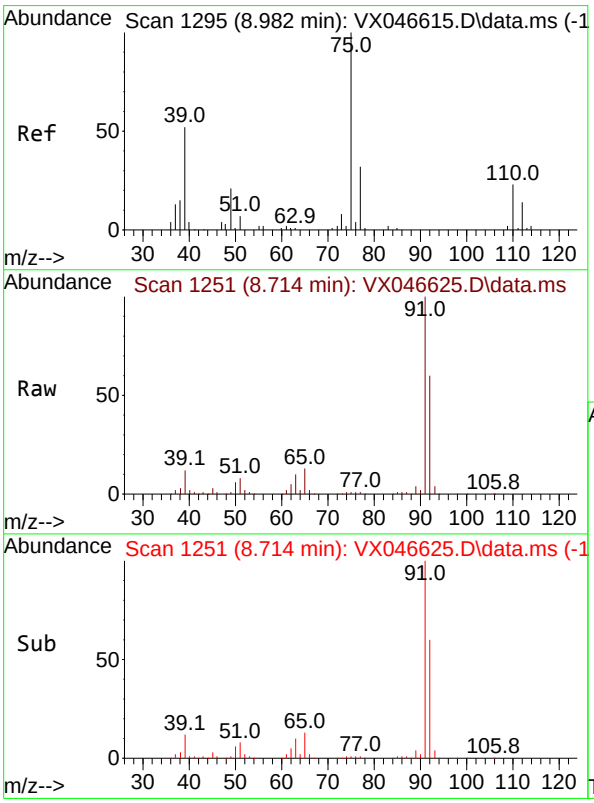
#35
Methacrylonitrile
Concen: 0.442 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.055 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

Tgt Ion: 41 Resp: 353

Ion	Ratio	Lower	Upper
41	100		
39	27.7	26.4	79.2
67	0.0	31.4	94.3#
52	0.0	14.6	44.0#

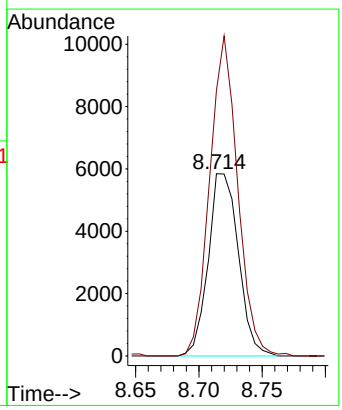


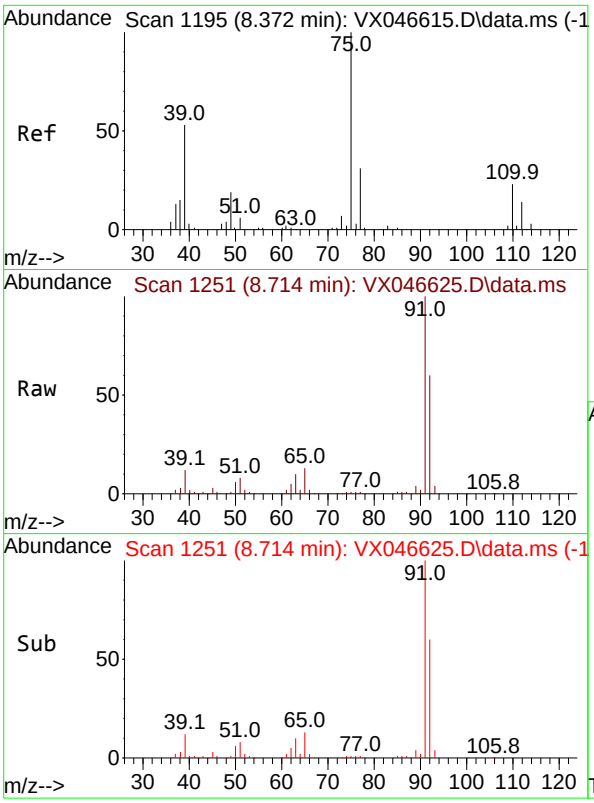


#48
t-1,3-Dichloropropene
Concen: 6.627 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.268 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Tgt Ion: 75 Resp: 9697

Ion	Ratio	Lower	Upper
75	100		
77	145.7	25.4	38.0#



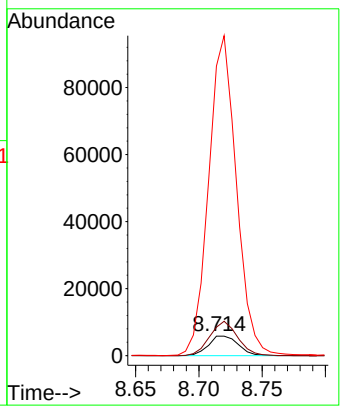


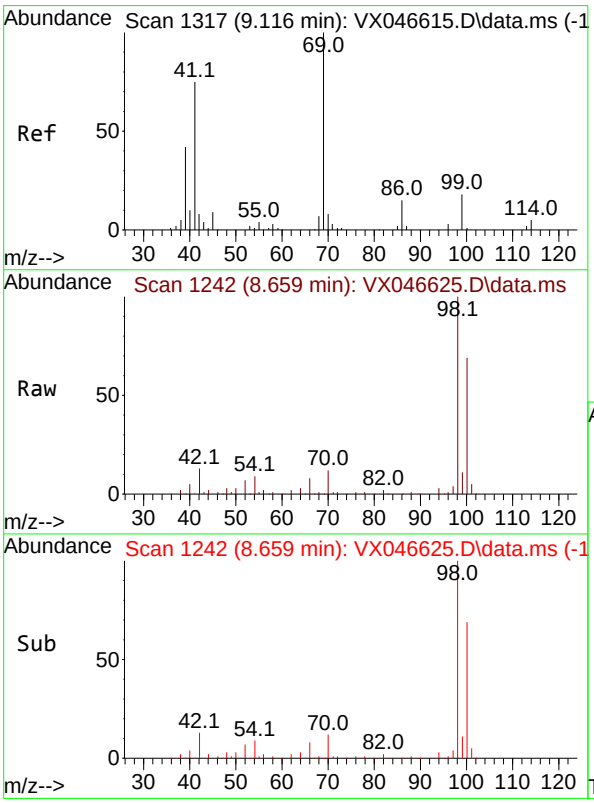
#49
cis-1,3-Dichloropropene
Concen: 5.936 ug/l
RT: 8.714 min Scan# 1
Delta R.T. 0.342 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

Tgt Ion: 75 Resp: 9697

Ion	Ratio	Lower	Upper
75	100		
77	145.7	24.6	36.8#
39	1474.5	42.7	64.1#

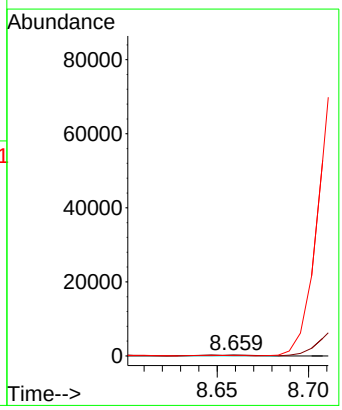


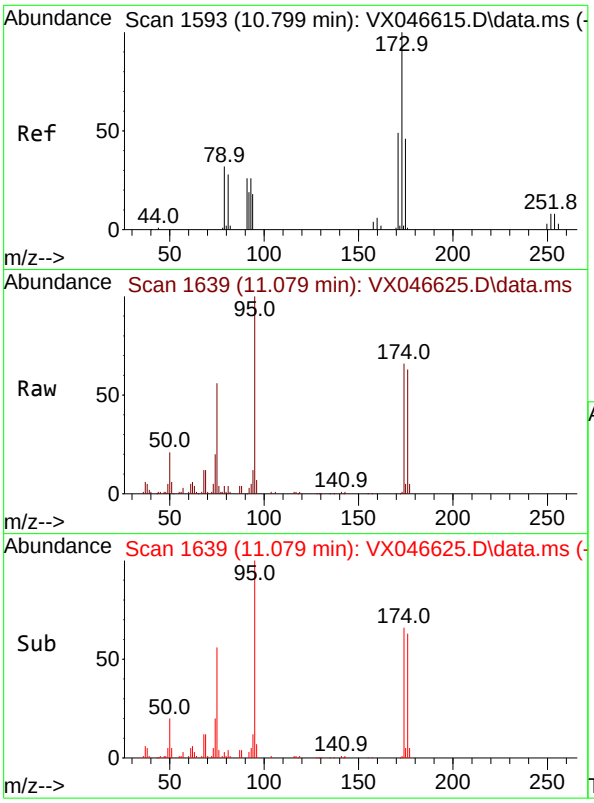


#51
Ethyl methacrylate
Concen: 0.240 ug/l
RT: 8.659 min Scan# 1242
Delta R.T. -0.457 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Tgt Ion: 69 Resp: 368

Ion	Ratio	Lower	Upper
69	100		
41	68.8	37.4	112.2
39	37.2	20.8	62.5



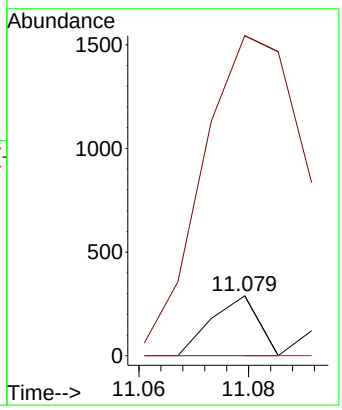


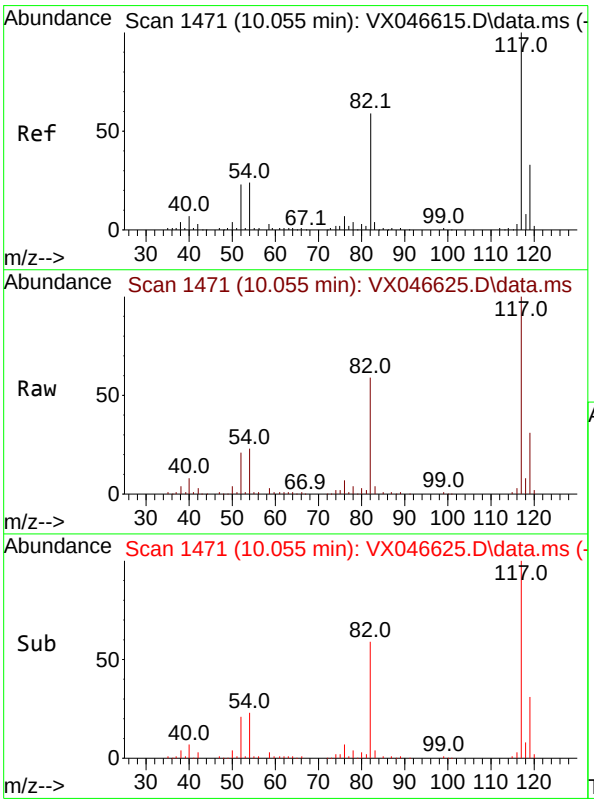
#56
Bromoform
Concen: 0.232 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.281 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

Tgt Ion:173 Resp: 171

Ion	Ratio	Lower	Upper
173	100		
175	1262.0	38.0	57.0#
254	0.0	6.7	10.1#

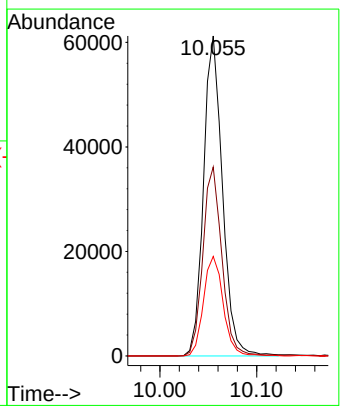


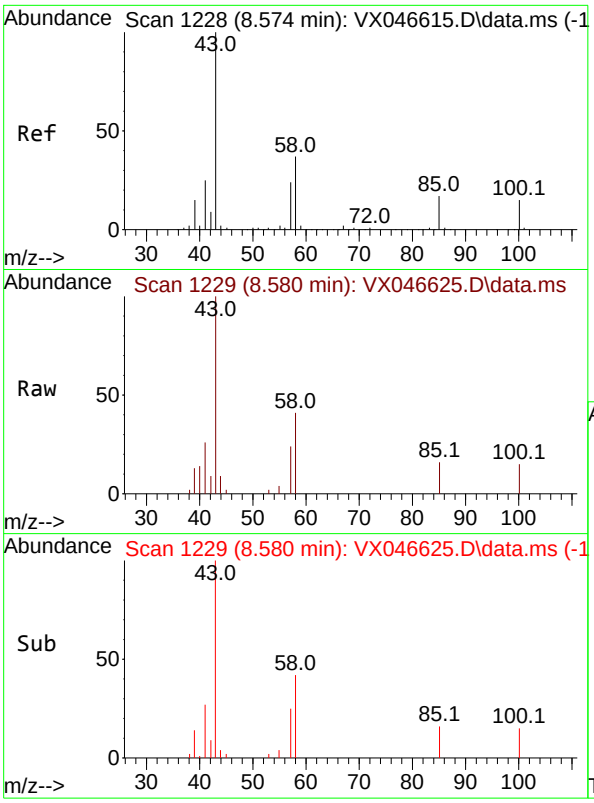


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Tgt Ion:117 Resp: 83680

Ion	Ratio	Lower	Upper
117	100		
82	59.2	46.5	69.7
119	32.4	25.8	38.6



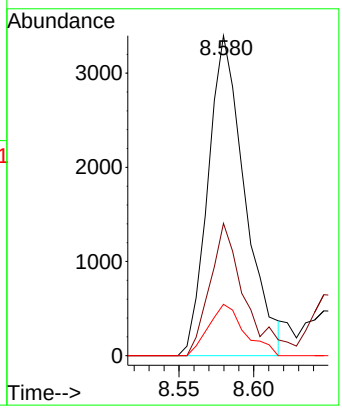


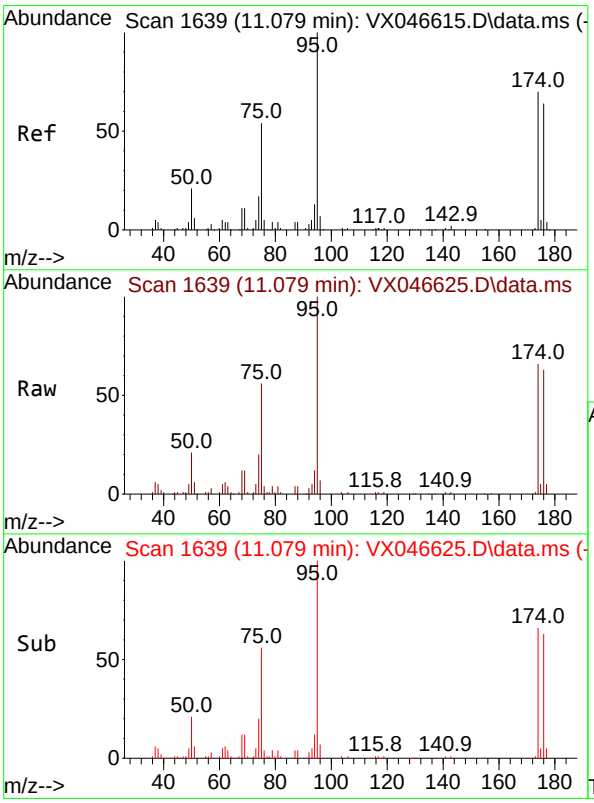
#58
4-Methyl-2-Pentanone
Concen: 4.288 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

Tgt Ion: 43 Resp: 5836

Ion	Ratio	Lower	Upper
43	100		
58	35.0	29.4	44.2
85	15.7	13.3	19.9

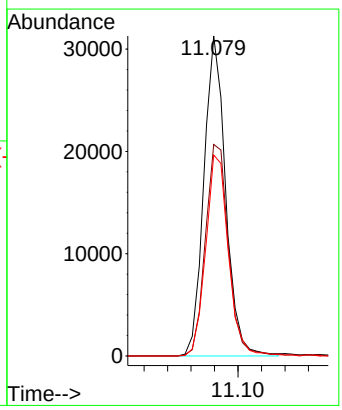


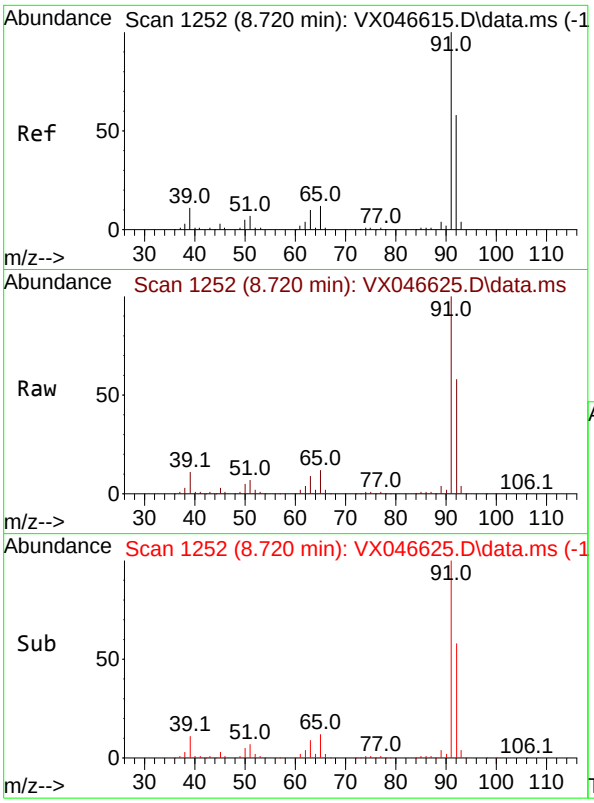


#60
4-Bromofluorobenzene
Concen: 28.482 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Tgt Ion: 95 Resp: 40172

Ion	Ratio	Lower	Upper
95	100		
174	70.1	56.0	84.0
176	65.7	52.2	78.4



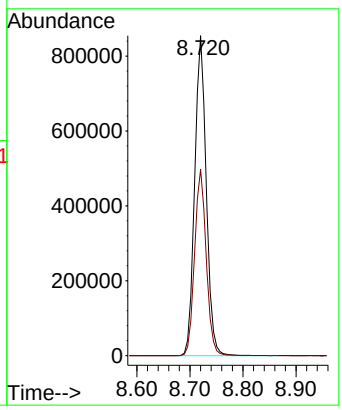


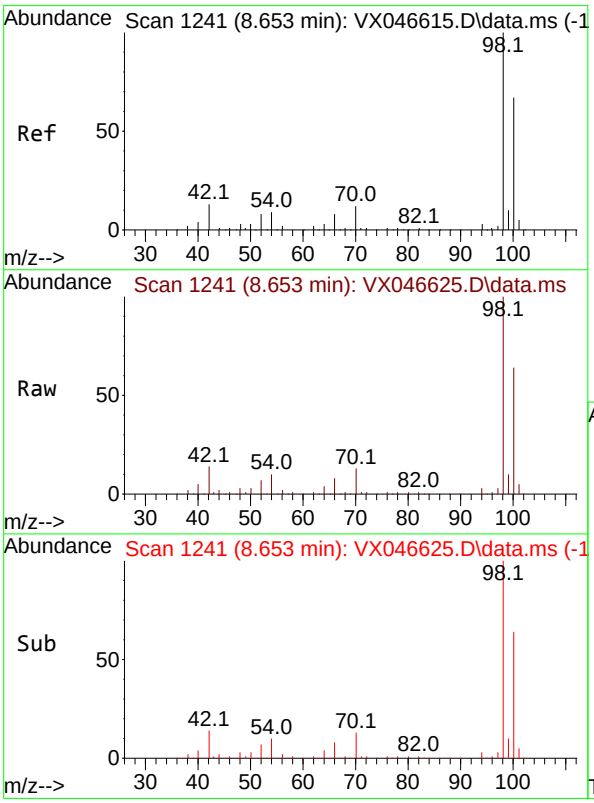
#62
Toluene
Concen: 285.183 ug/l
RT: 8.720 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

Tgt Ion: 91 Resp: 1293292

Ion	Ratio	Lower	Upper
91	100		
92	58.5	46.8	70.2

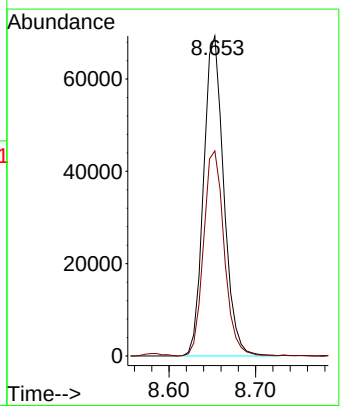


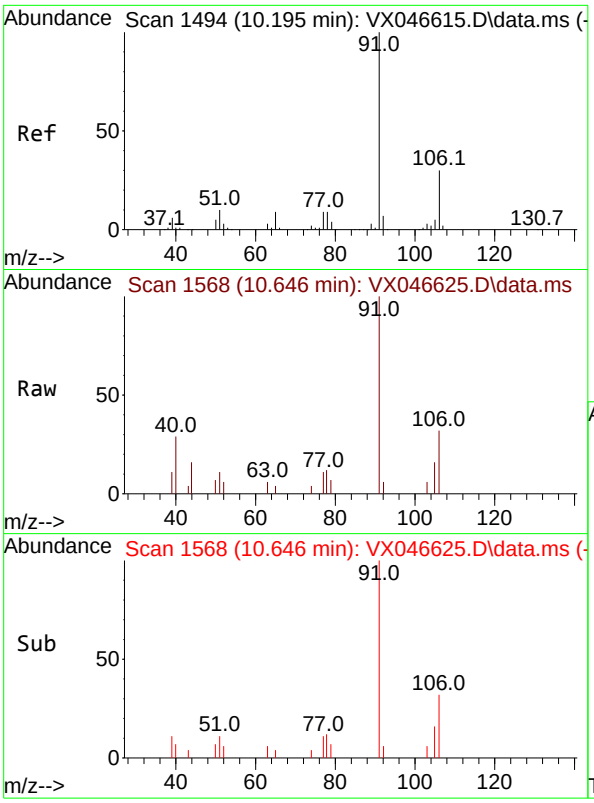


#63
Toluene-d8
Concen: 29.960 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Tgt Ion: 98 Resp: 111982

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.6	79.0



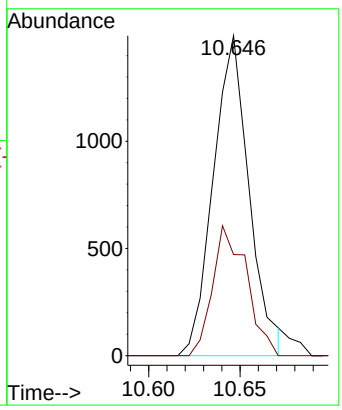


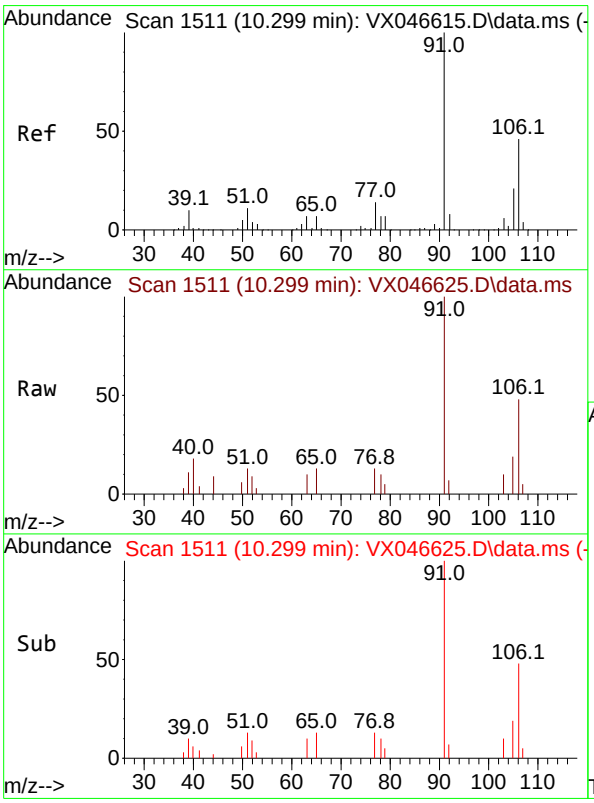
#66
Ethyl Benzene
Concen: 0.393 ug/l
RT: 10.646 min Scan# 1
Delta R.T. 0.451 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

Tgt Ion: 91 Resp: 2034

Ion	Ratio	Lower	Upper
91	100		
106	31.6	23.9	35.9

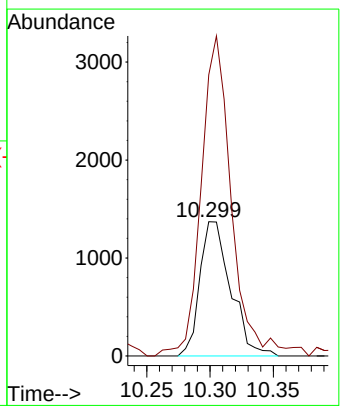


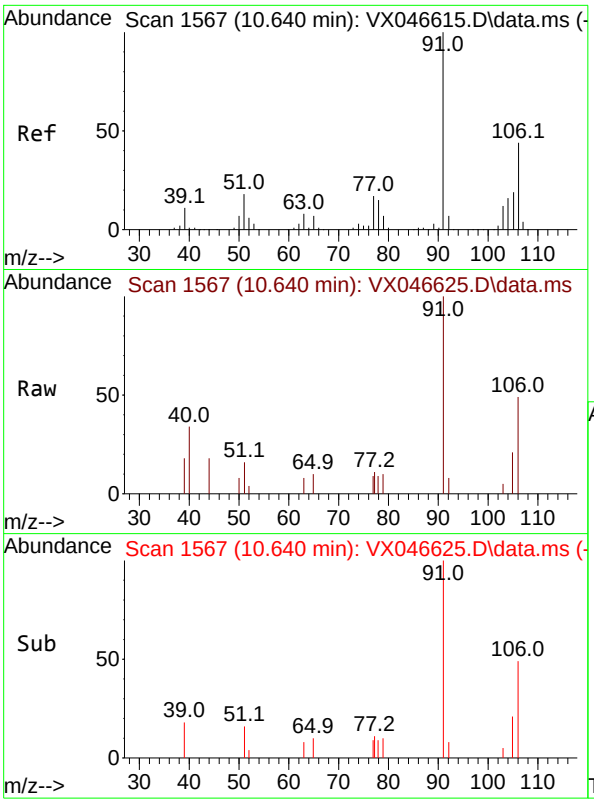


#67
m/p-Xylenes
Concen: 1.221 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Tgt Ion:106 Resp: 2338

Ion	Ratio	Lower	Upper
106	100		
91	225.1	171.5	257.3



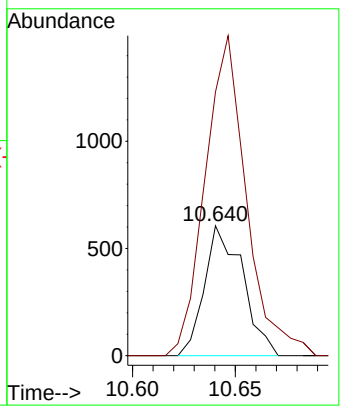


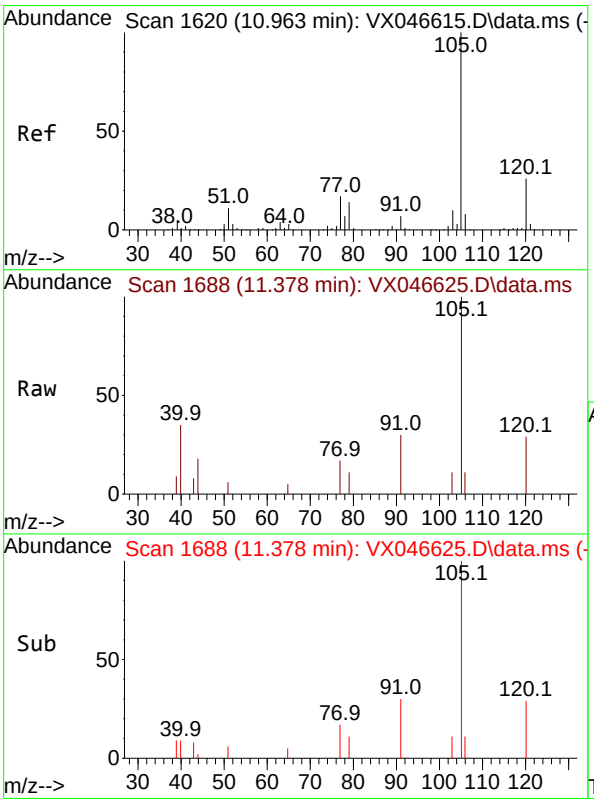
#68
o-Xylene
Concen: 0.426 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

Tgt Ion:106 Resp: 785

Ion	Ratio	Lower	Upper
106	100		
91	265.7	112.3	336.9

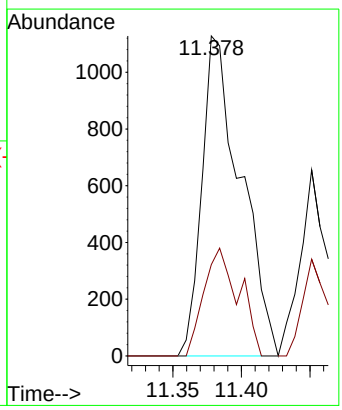


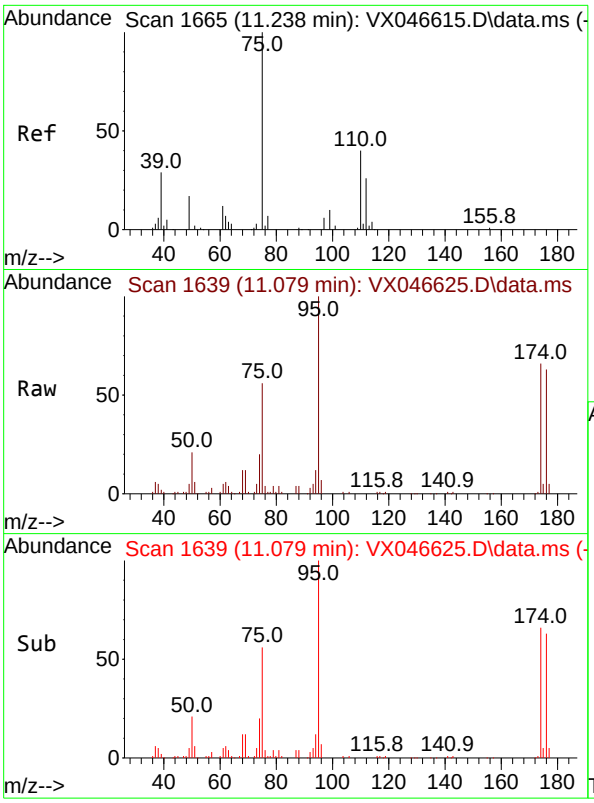


#70
Isopropylbenzene
Concen: 0.448 ug/l
RT: 11.378 min Scan# 1688
Delta R.T. 0.415 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Tgt Ion:105 Resp: 2219

Ion	Ratio	Lower	Upper
105	100		
120	24.4	18.1	33.5



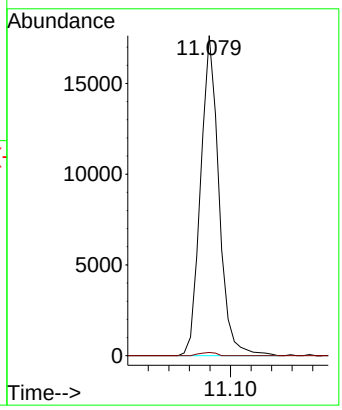


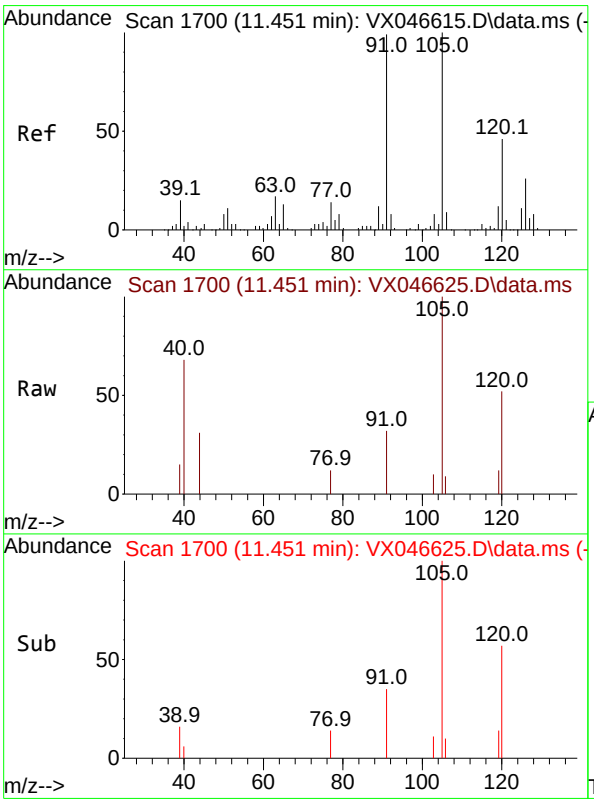
#72
1,2,3-Trichloropropane
Concen: 18.049 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.158 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

Tgt Ion: 75 Resp: 21906

Ion	Ratio	Lower	Upper
75	100		
77	0.9	0.0	82.6

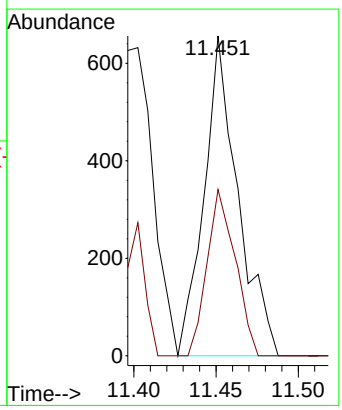


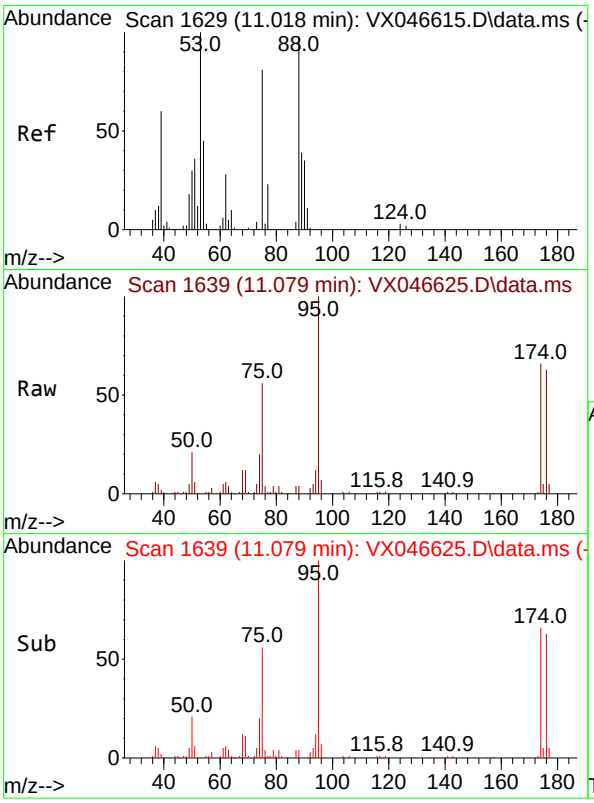


#76
1,3,5-Trimethylbenzene
Concen: 0.229 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Tgt Ion:105 Resp: 941

Ion	Ratio	Lower	Upper
105	100		
120	43.3	0.0	92.8



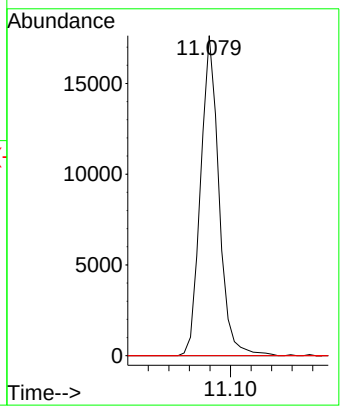


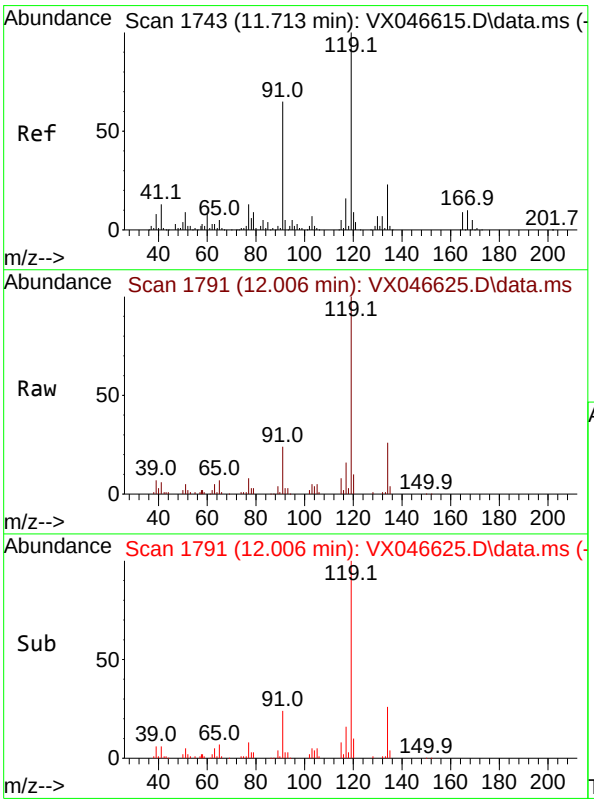
#77
t-1,4-Dichloro-2-butene
Concen: 53.430 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

Tgt Ion: 75 Resp: 21906

Ion	Ratio	Lower	Upper
75	100		
53	0.0	61.9	185.7#
89	0.0	24.0	72.0#

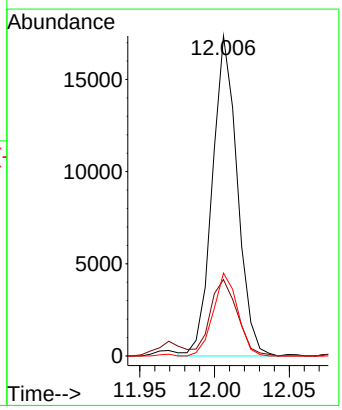


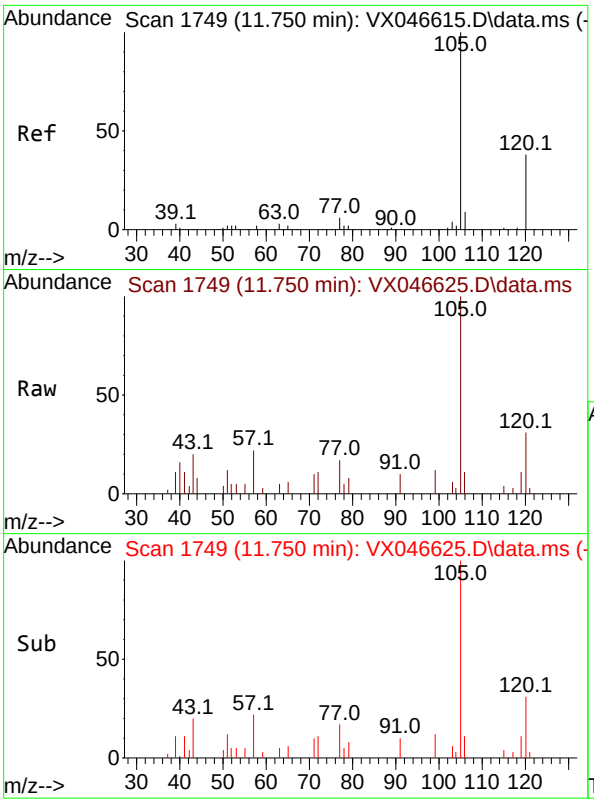


#79
tert-butylbenzene
Concen: 4.920 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.293 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Tgt Ion:119 Resp: 20174

Ion	Ratio	Lower	Upper
119	100		
91	26.2	0.0	126.0
134	25.1	0.0	45.6



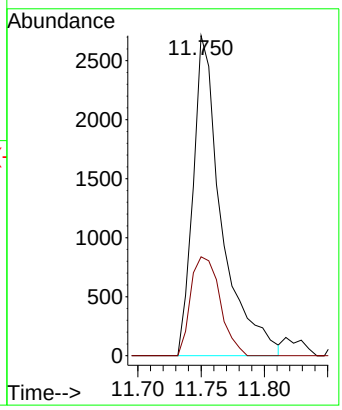


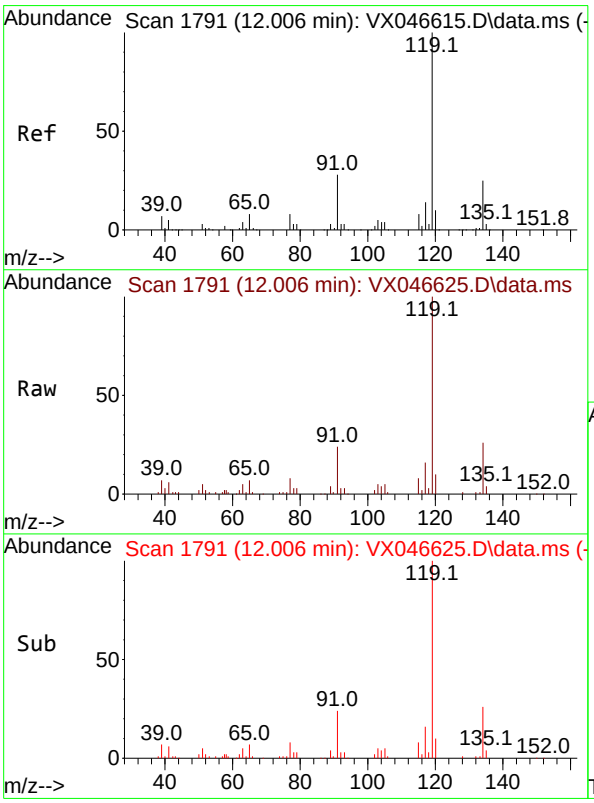
#80
1,2,4-Trimethylbenzene
Concen: 1.044 ug/l
RT: 11.750 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

Tgt Ion:105 Resp: 4241

Ion	Ratio	Lower	Upper
105	100		
120	31.9	0.0	89.6

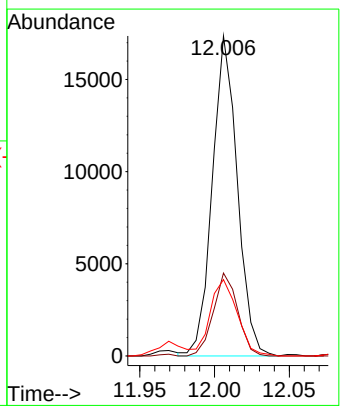


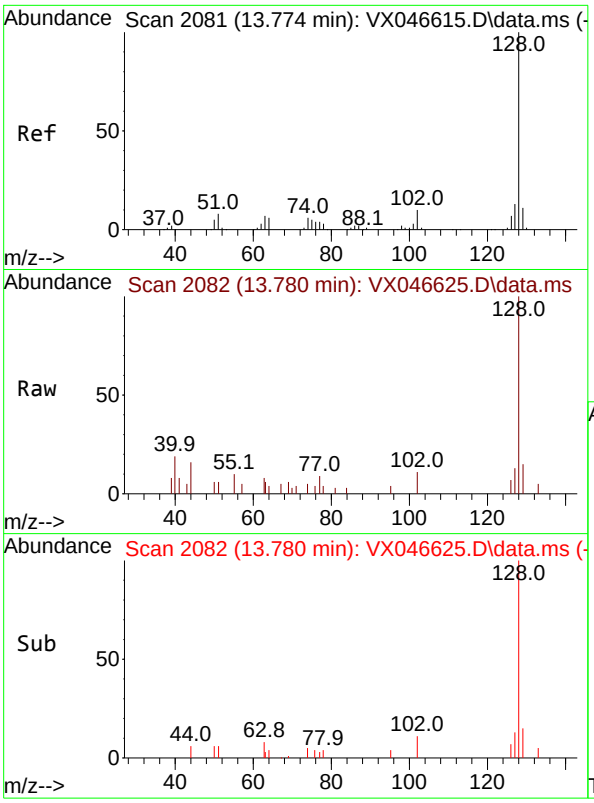


#82
p-Isopropyltoluene
Concen: 4.684 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Tgt Ion:119 Resp: 20174

Ion	Ratio	Lower	Upper
119	100		
134	25.1	0.0	50.0
91	26.2	0.0	54.0





#91
Naphthalene
Concen: 0.591 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046625.D
Acq: 11 Jun 2025 00:54

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

Tgt Ion:128 Resp: 2566

Ion	Ratio	Lower	Upper
128	100		
127	14.8	10.2	15.4
129	10.0	8.8	13.2