Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111122\
Data File : VX032777.D
Acq On : 11 Nov 2022 16:11
Operator : JC/MD
Sample : N5565-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
221109054-02-VOA

Quant Time: Nov 14 05:13:50 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 11 05:24:06 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	4.903	128	10740	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	74575	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	79525	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	32054	30.937	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.133%			
60) 4-Bromofluorobenzene	11.085	95	44354	29.157	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.200%			
63) Toluene-d8	8.653	98	80355	29.941	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.800%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.367	62	327	0.307	ug/l #	58
12) Methyl Acetate	2.703	43	3714	2.400	ug/l	96
13) Acrolein	2.239	56	381	1.846	ug/l	94
15) Acetone	2.379	58	64676	448.295	ug/l	76
16) Carbon Disulfide	2.514	76	17126	6.585	ug/l	100
22) cis-1,2-Dichloroethene	4.495	96	819	0.609	ug/l #	69
23) tert-Butyl Alcohol	2.971	59	925411	5137.025	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	10496	2.806	ug/l #	86
30) 2-Butanone	4.562	43	467066	605.641	ug/l #	88
34) Benzene	6.043	78	19239	4.128	ug/l	97
43) Ethyl Acetate	4.721	43	19350	12.473	ug/l #	35
45) 1,4-Dioxane	7.683	88	2500	100.114	ug/l #	43
58) 4-Methyl-2-Pentanone	8.573	43	20017	12.858	ug/l #	90
59) 2-Hexanone	9.433	43	3904	3.406	ug/l	94
62) Toluene	8.720	91	31934	6.175	ug/l	96
64) Chlorobenzene	10.079	112	6061	1.896	ug/l	96
66) Ethyl Benzene	10.195	91	58560	10.093	ug/l	93
67) m/p-Xylenes	10.299	106	21026	9.314	ug/l	90
68) o-Xylene	10.646	106	13822	6.240	ug/l	92
70) Isopropylbenzene	10.963	105	5365	0.907	ug/l	95
74) n-propylbenzene	11.305	91	4085	0.608	ug/l	90
76) 1,3,5-Trimethylbenzene	11.457	105	3524	0.705	ug/l	96
80) 1,2,4-Trimethylbenzene	11.756	105	15777	3.227	ug/l	94
82) p-Isopropyltoluene	12.012	119	10620	2.154	ug/l	95
84) 1,4-Dichlorobenzene	12.042	146	10892	4.114	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	976	0.372	ug/l	92
91) Naphthalene	13.774	128	231993	42.703	ug/l	99

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

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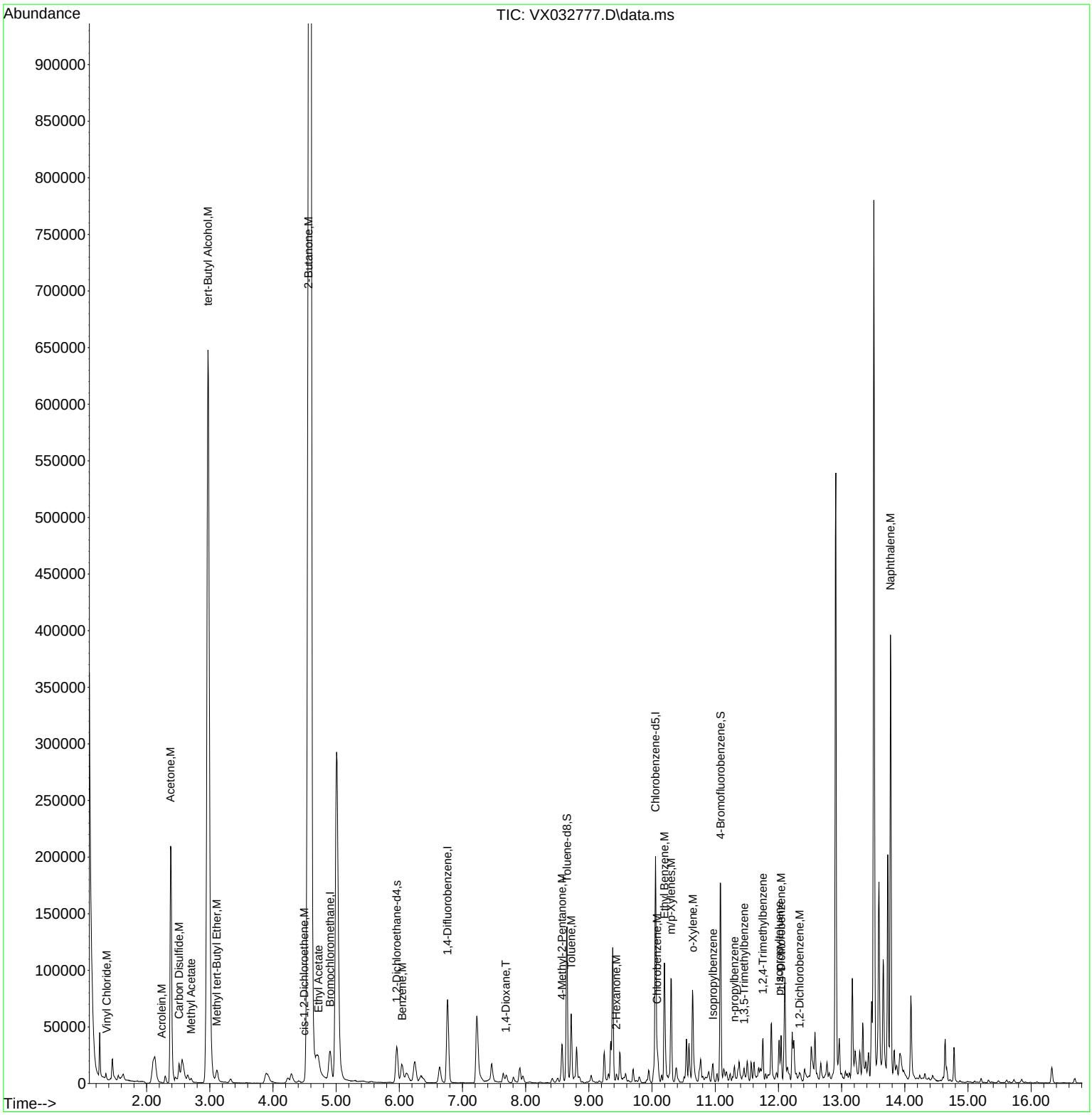
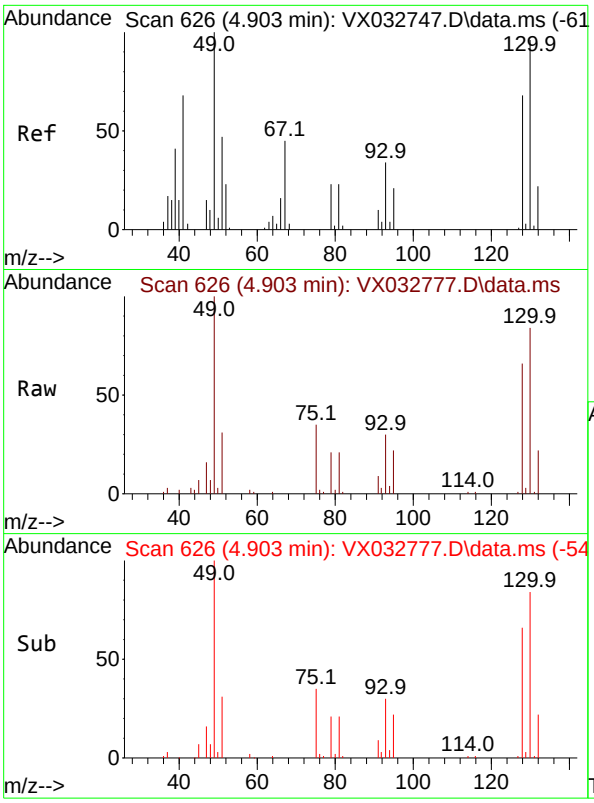
Instrument :
MSVOA_X
ClientSampleId :
221109054-02-VOA

Quant Time: Nov 14 05:13:50 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 11 05:24:06 2022
Response via : Initial Calibration



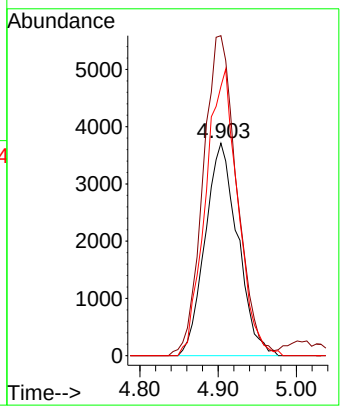


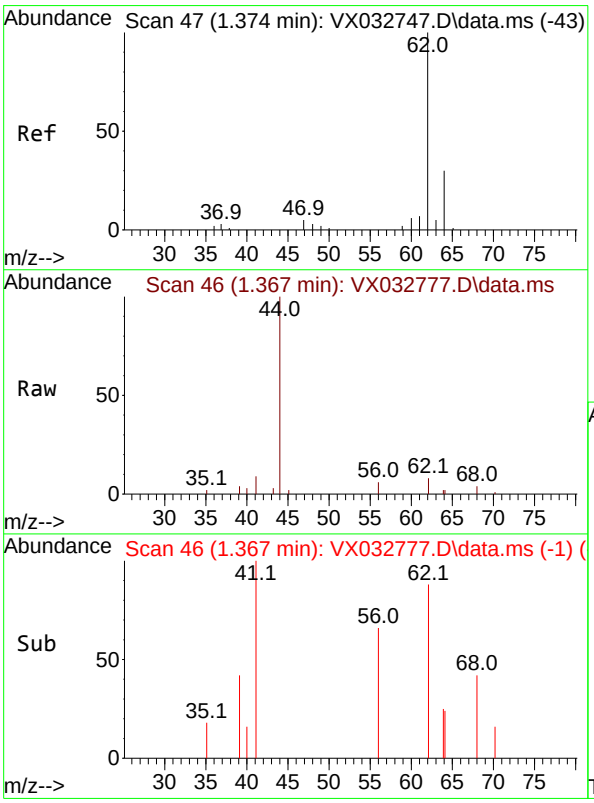
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Instrument :
MSVOA_X
ClientSampleId :
221109054-02-VOA

Tgt Ion:128 Resp: 10740

Ion	Ratio	Lower	Upper
128	100		
49	155.3	0.0	293.0
130	133.7	0.0	321.5

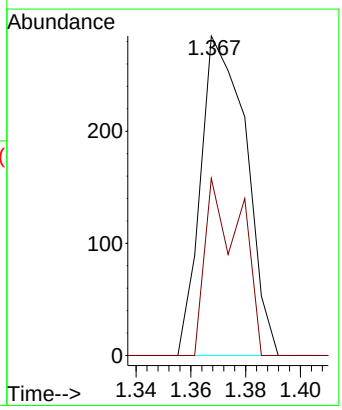


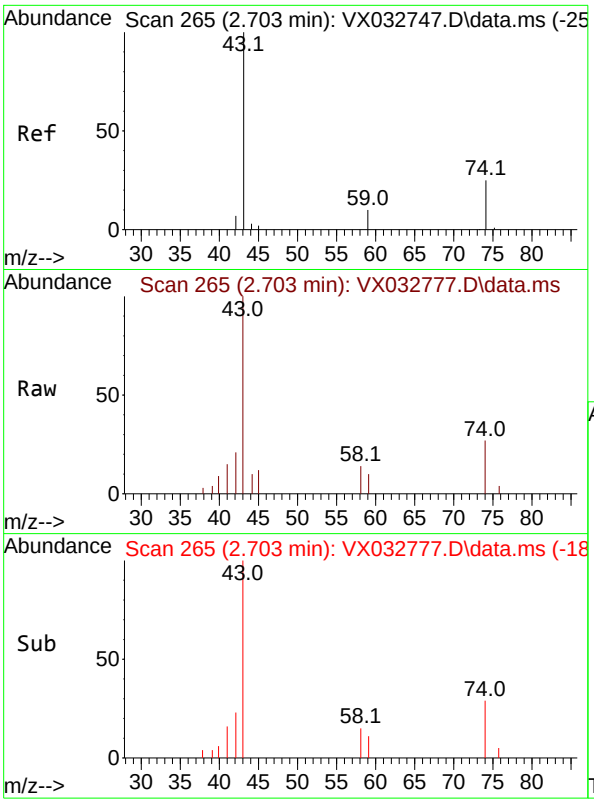


#4
Vinyl Chloride
Concen: 0.307 ug/l
RT: 1.367 min Scan# 46
Delta R.T. -0.006 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Tgt Ion: 62 Resp: 327

Ion	Ratio	Lower	Upper
62	100		
64	55.4	25.7	38.5#



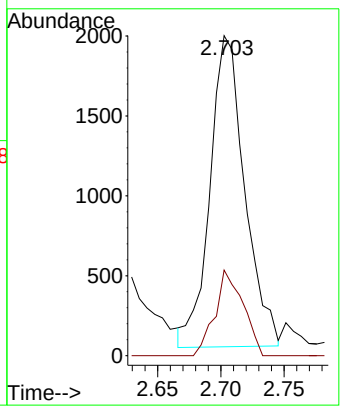


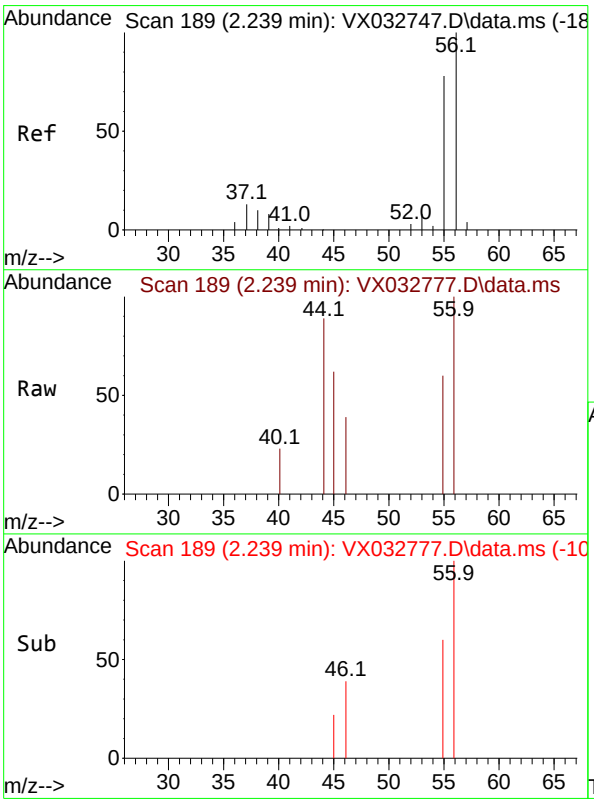
#12
Methyl Acetate
Concen: 2.400 ug/l
RT: 2.703 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Instrument :
MSVOA_X
ClientSampleId :
221109054-02-VOA

Tgt Ion: 43 Resp: 3714

Ion	Ratio	Lower	Upper
43	100		
74	28.7	24.8	37.2

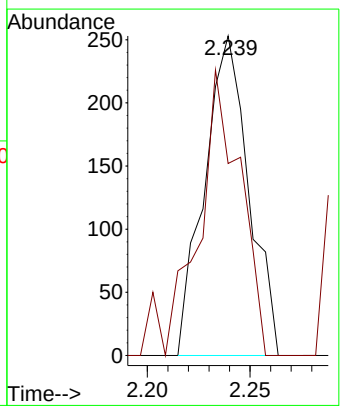


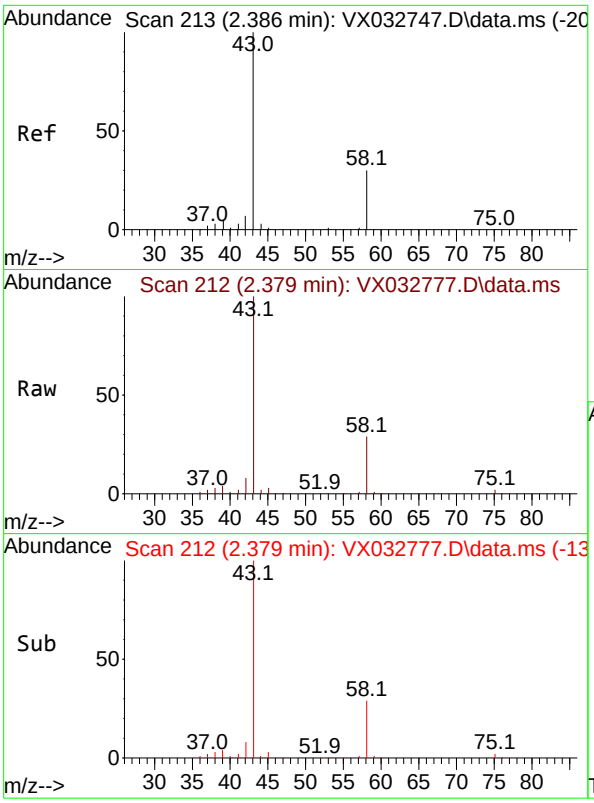


#13
Acrolein
Concen: 1.846 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Tgt Ion: 56 Resp: 381

Ion	Ratio	Lower	Upper
56	100		
55	68.2	58.4	87.6



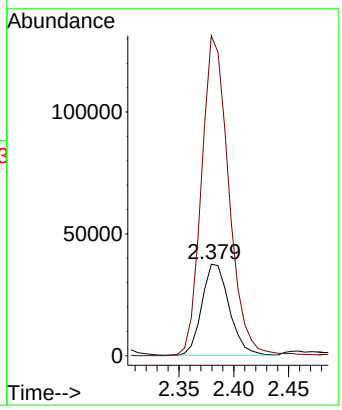


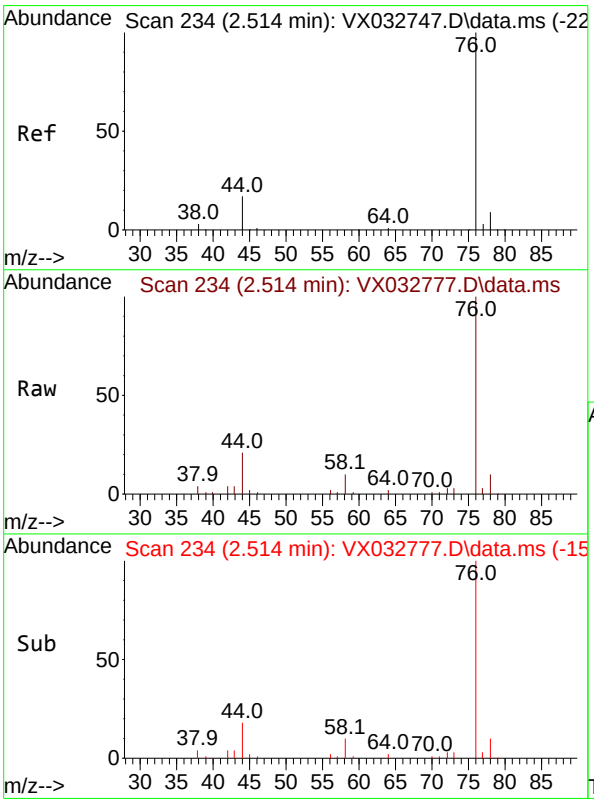
#15
Acetone
Concen: 448.295 ug/l
RT: 2.379 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Instrument :
MSVOA_X
ClientSampleId :
221109054-02-VOA

Tgt Ion: 58 Resp: 64676

Ion	Ratio	Lower	Upper
58	100		
43	350.4	242.6	364.0

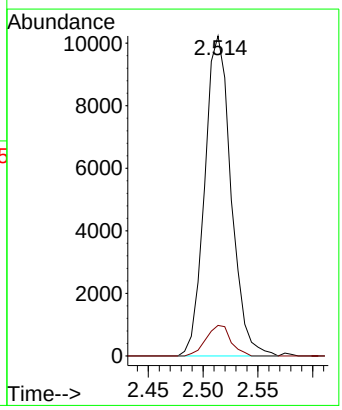


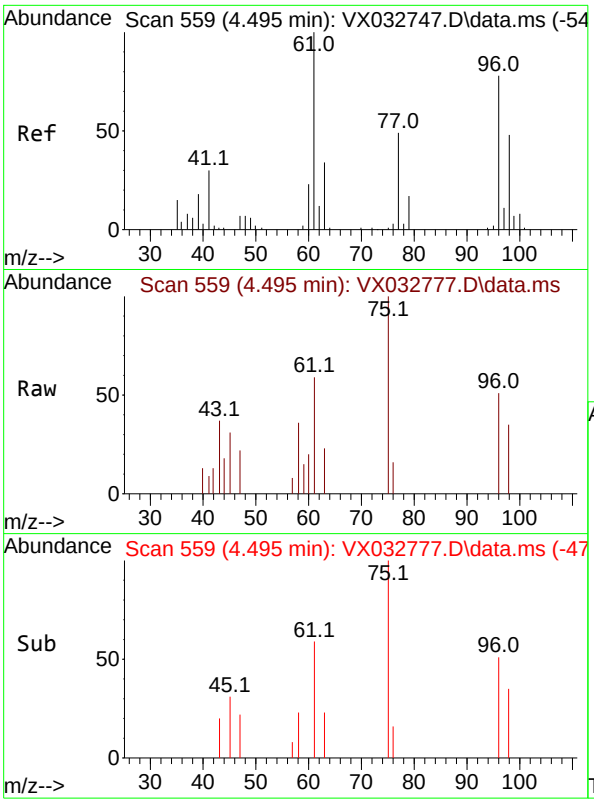


#16
Carbon Disulfide
Concen: 6.585 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Tgt Ion: 76 Resp: 17126

Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.5	11.3



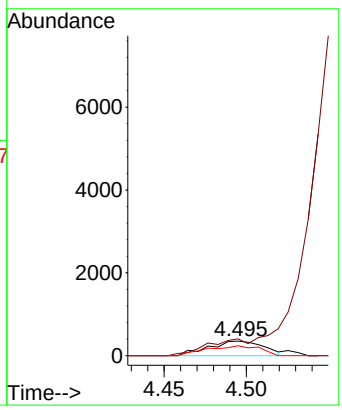


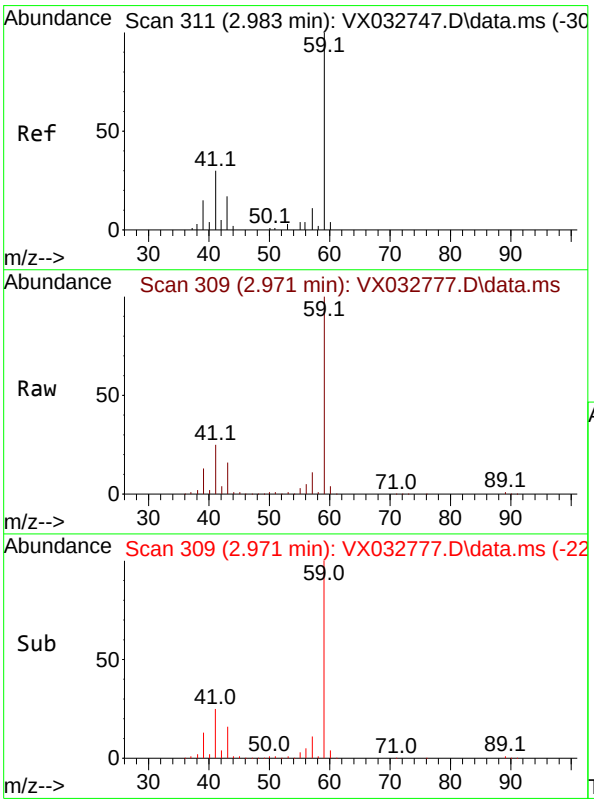
#22
cis-1,2-Dichloroethene
Concen: 0.609 ug/l
RT: 4.495 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Instrument :
MSVOA_X
ClientSampleId :
221109054-02-VOA

Tgt Ion: 96 Resp: 819

Ion	Ratio	Lower	Upper
96	100		
61	86.7	98.0	147.0#
98	41.4	52.2	78.4#

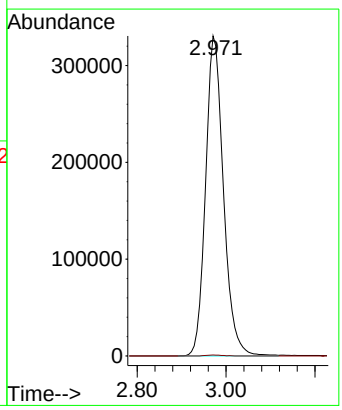


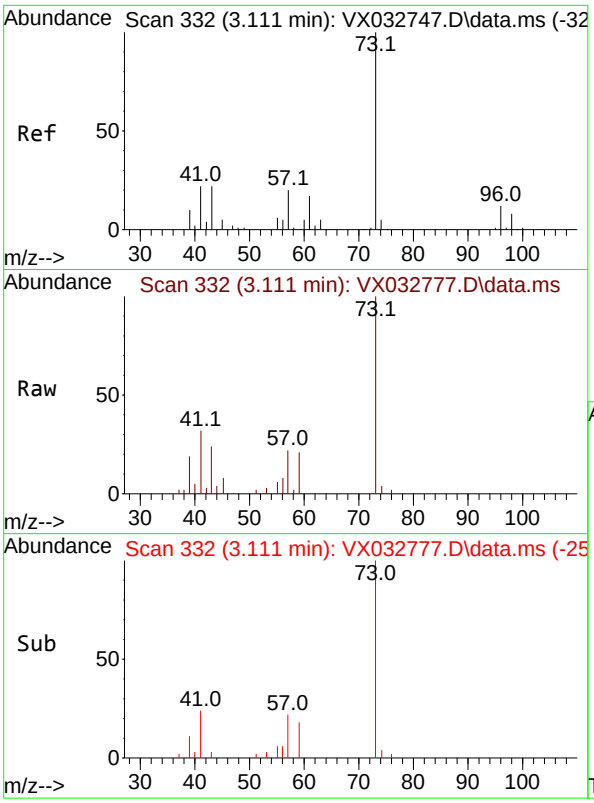


#23
tert-Butyl Alcohol
Concen: 5137.025 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Tgt Ion: 59 Resp: 925411

Ion	Ratio	Lower	Upper
59	100		
52	0.3	0.0	0.0#



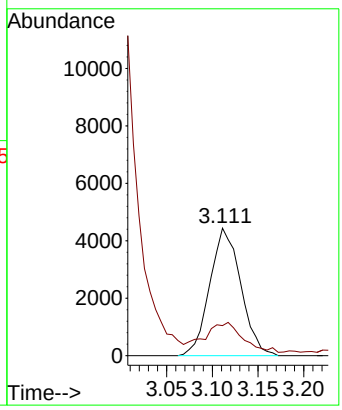


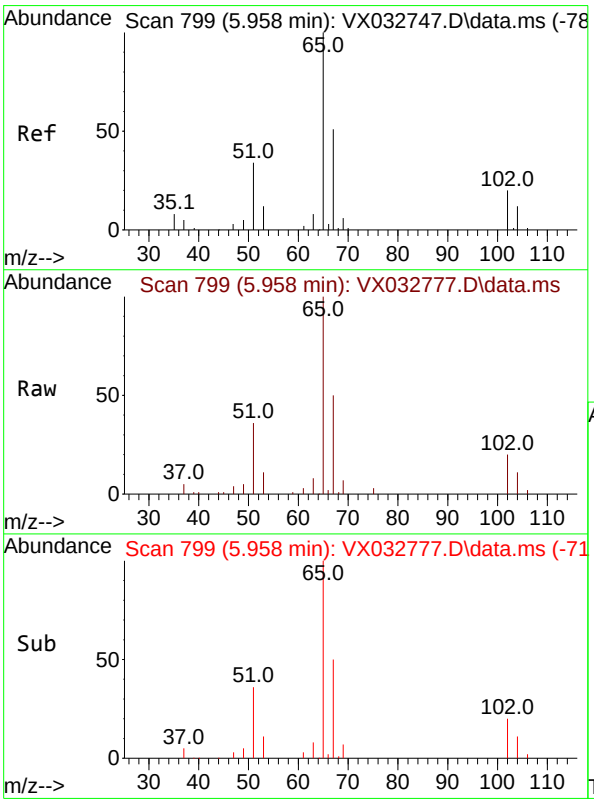
#24
Methyl tert-Butyl Ether
Concen: 2.806 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Instrument :
MSVOA_X
ClientSampleId :
221109054-02-VOA

Tgt Ion: 73 Resp: 10496

Ion	Ratio	Lower	Upper
73	100		
43	24.9	14.8	22.2#

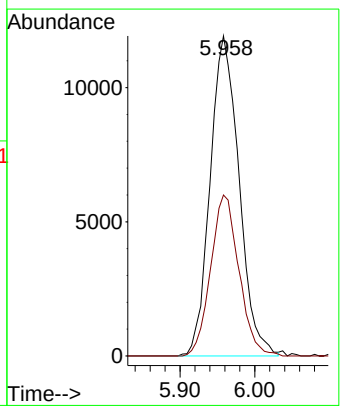


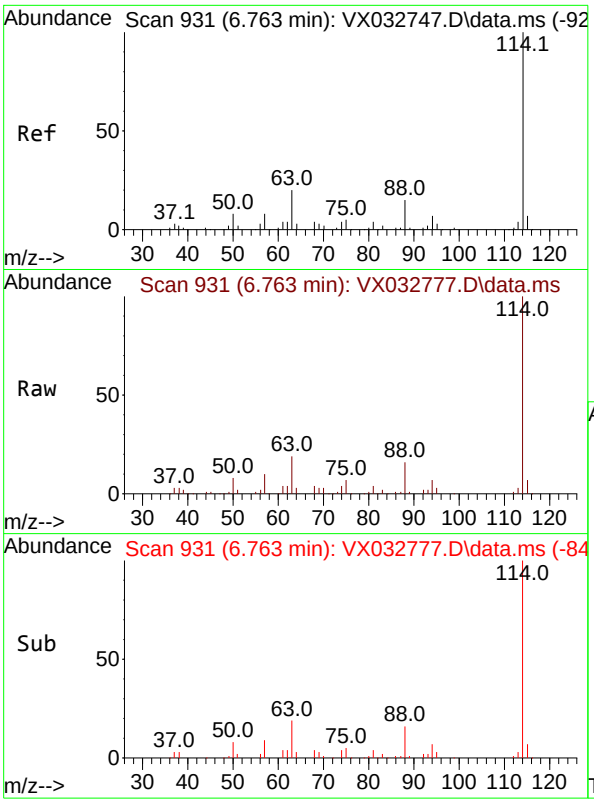


#27
1,2-Dichloroethane-d4
Concen: 30.937 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Tgt Ion: 65 Resp: 32054

Ion	Ratio	Lower	Upper
65	100		
67	49.2	41.8	62.6



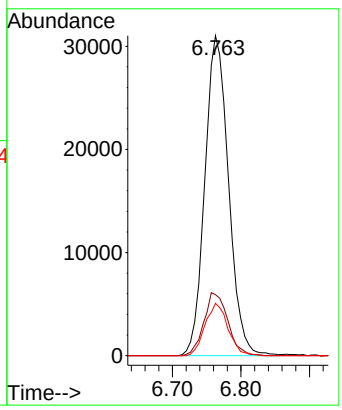


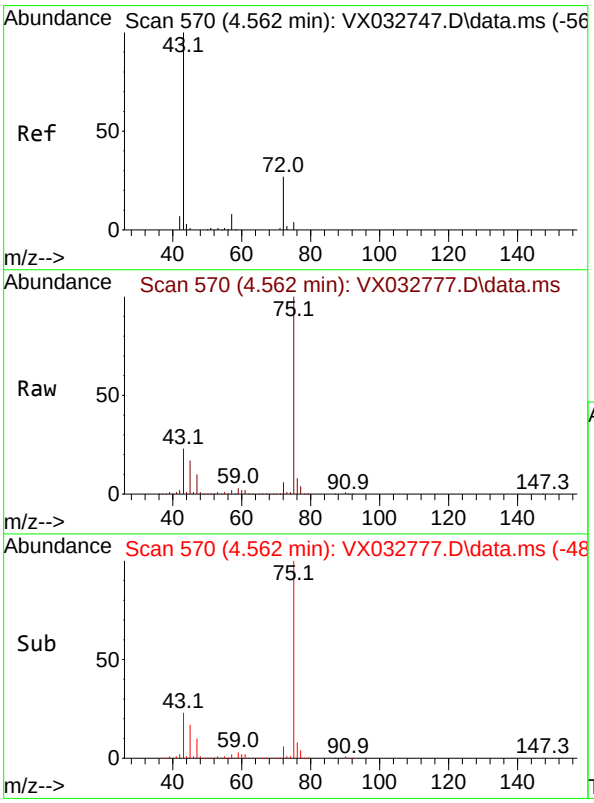
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Instrument :
MSVOA_X
ClientSampleId :
221109054-02-VOA

Tgt Ion:114 Resp: 74575

Ion	Ratio	Lower	Upper
114	100		
63	19.8	13.6	20.4
88	15.9	11.8	17.6

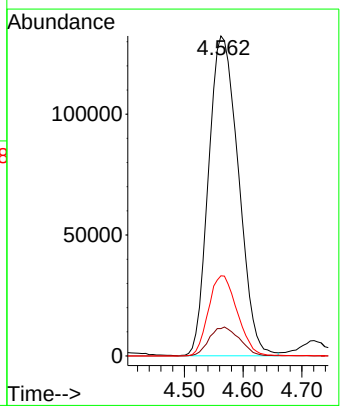


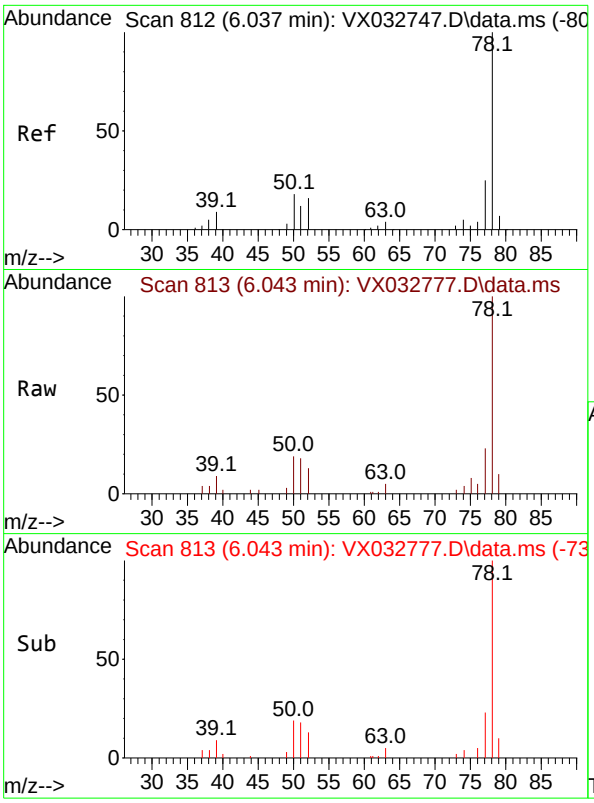


#30
2-Butanone
Concen: 605.641 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.000 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Tgt Ion: 43 Resp: 467066

Ion	Ratio	Lower	Upper
43	100		
57	9.2	7.5	11.3
72	24.2	26.6	39.8#



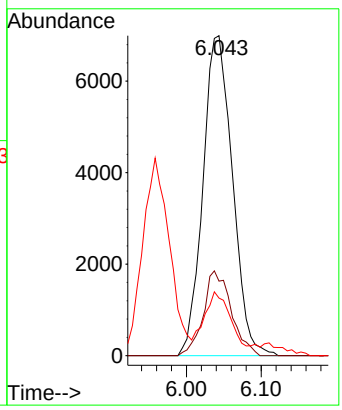


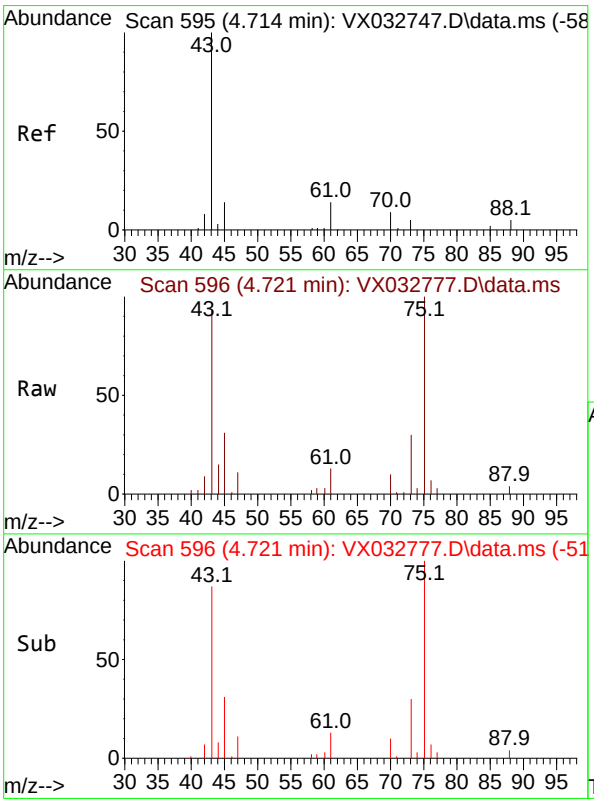
#34
Benzene
Concen: 4.128 ug/l
RT: 6.043 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Instrument :
MSVOA_X
ClientSampleId :
221109054-02-VOA

Tgt Ion: 78 Resp: 19239

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.6
51	15.5	10.6	15.8

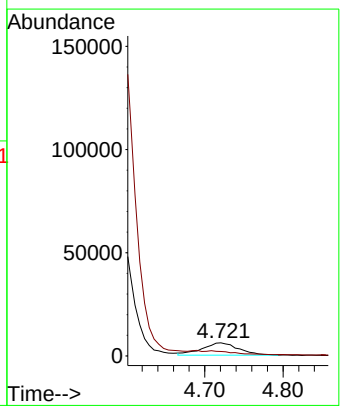


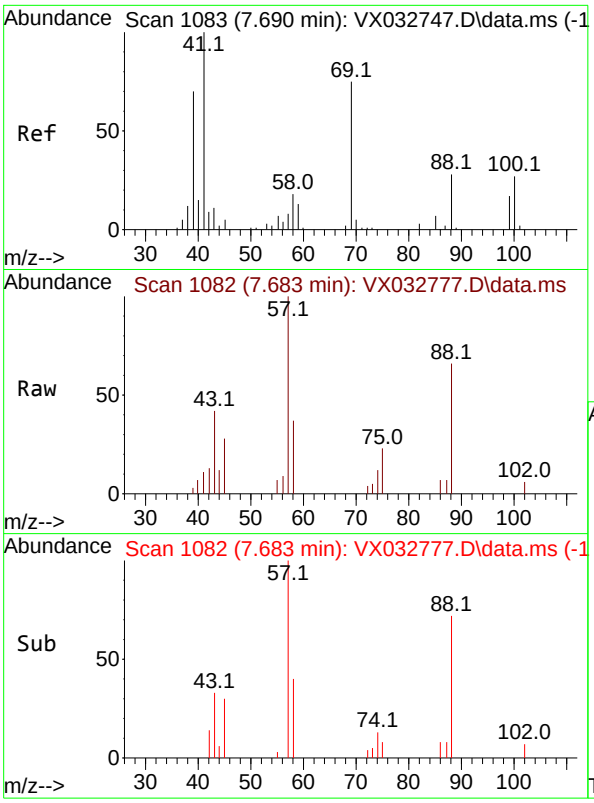


#43
Ethyl Acetate
Concen: 12.473 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Tgt Ion: 43 Resp: 19350

Ion	Ratio	Lower	Upper
43	100		
45	34.2	8.2	12.2#



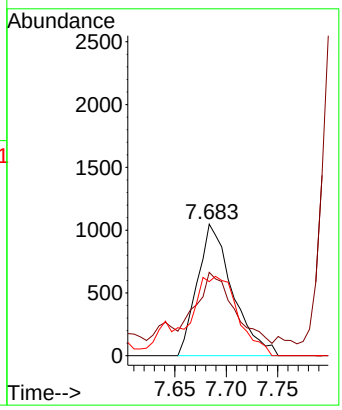


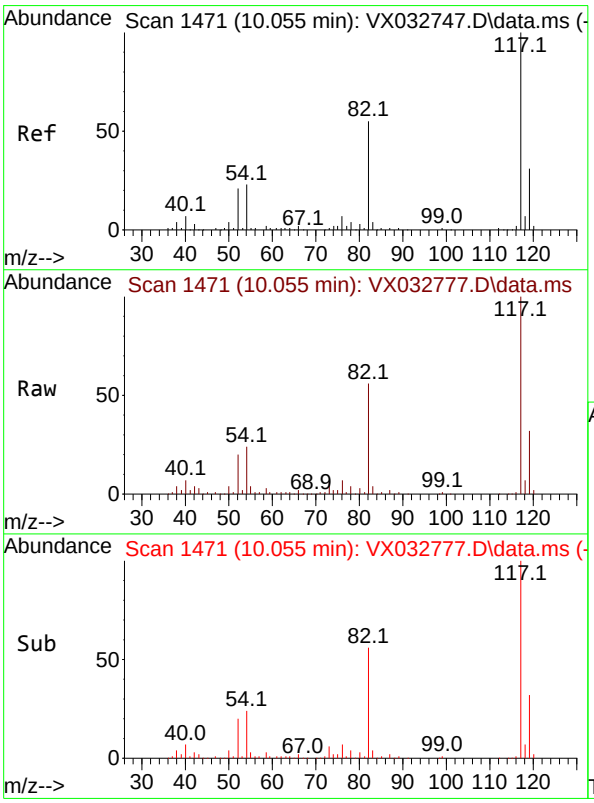
#45
1,4-Dioxane
Concen: 100.114 ug/l
RT: 7.683 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Instrument :
MSVOA_X
ClientSampleId :
221109054-02-VOA

Tgt Ion: 88 Resp: 2500

Ion	Ratio	Lower	Upper
88	100		
43	56.4	20.4	30.6#
58	15.4	44.0	66.0#

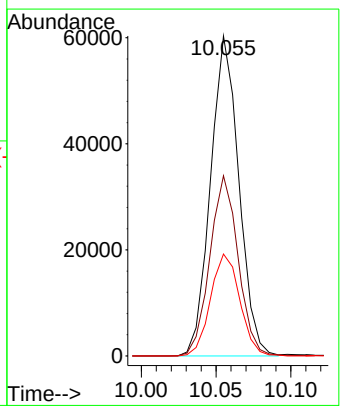


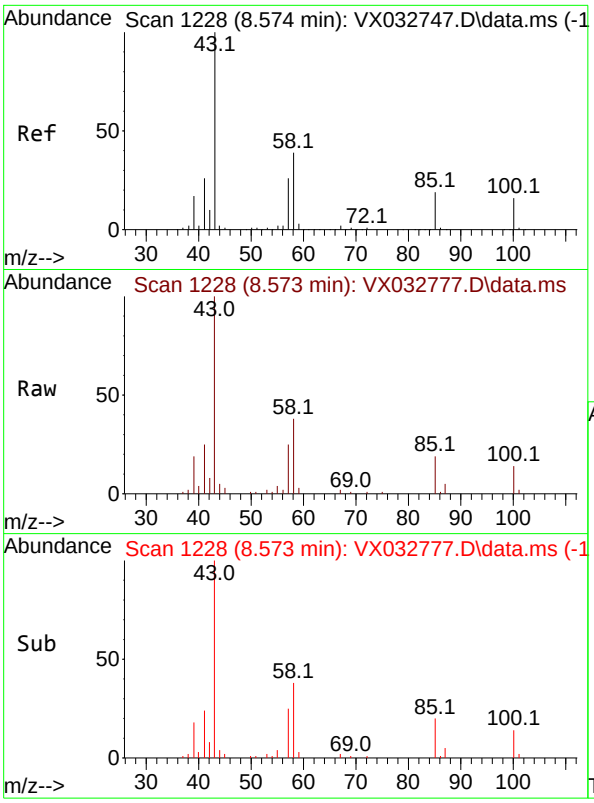


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Tgt Ion:117 Resp: 79525

Ion	Ratio	Lower	Upper
117	100		
82	56.4	40.0	60.0
119	33.0	26.0	39.0



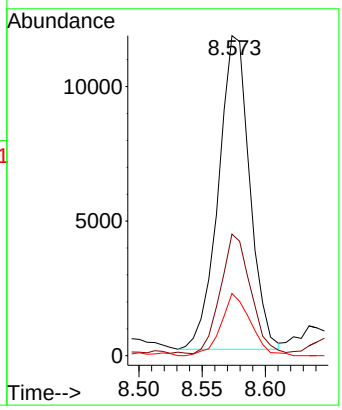


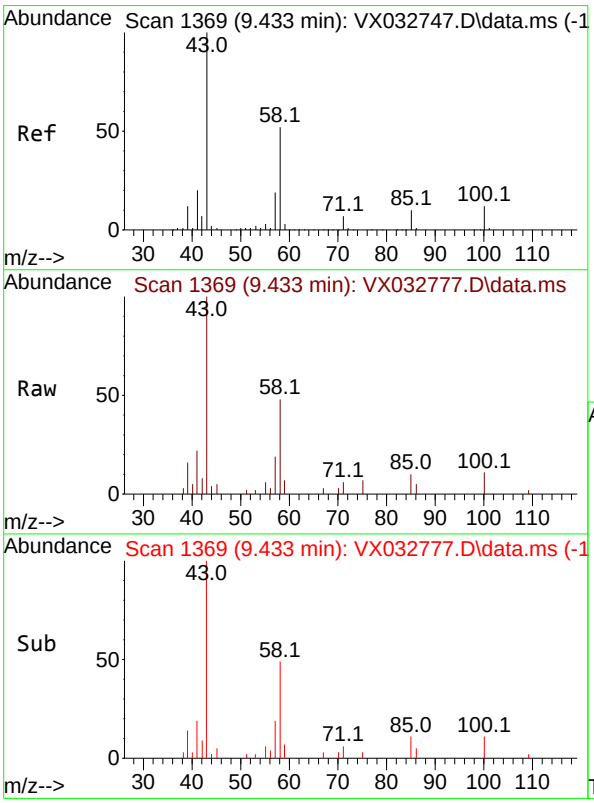
#58
4-Methyl-2-Pentanone
Concen: 12.858 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Instrument :
MSVOA_X
ClientSampleId :
221109054-02-VOA

Tgt Ion: 43 Resp: 20017

Ion	Ratio	Lower	Upper
43	100		
58	38.2	34.9	52.3
85	18.4	19.4	29.2#

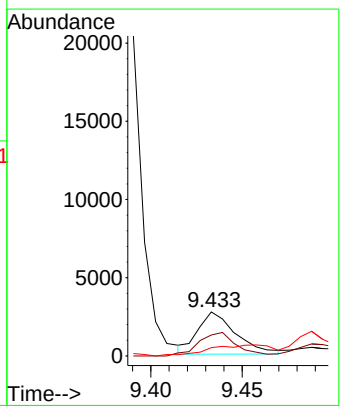


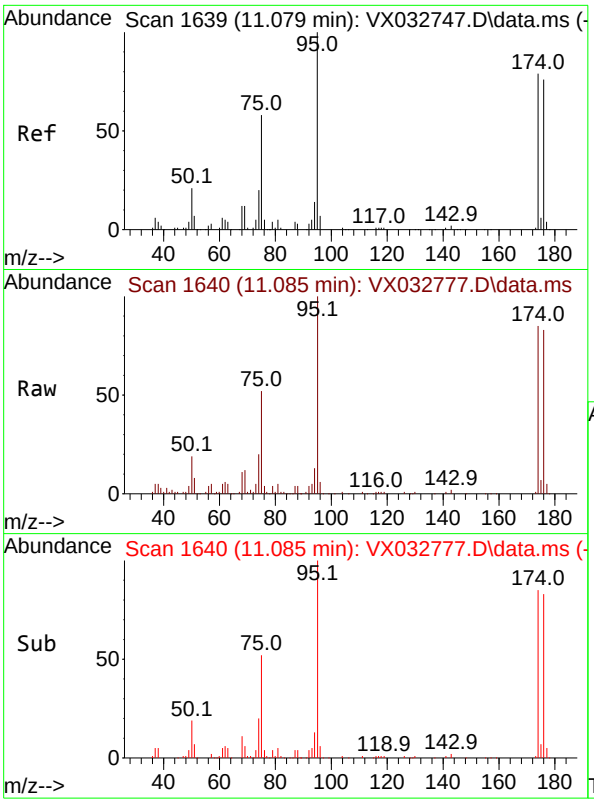


#59
2-Hexanone
Concen: 3.406 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. -0.000 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Tgt Ion: 43 Resp: 3904

Ion	Ratio	Lower	Upper
43	100		
58	55.0	49.0	73.6
57	21.3	17.0	25.4



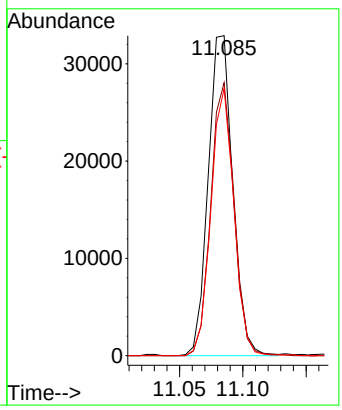


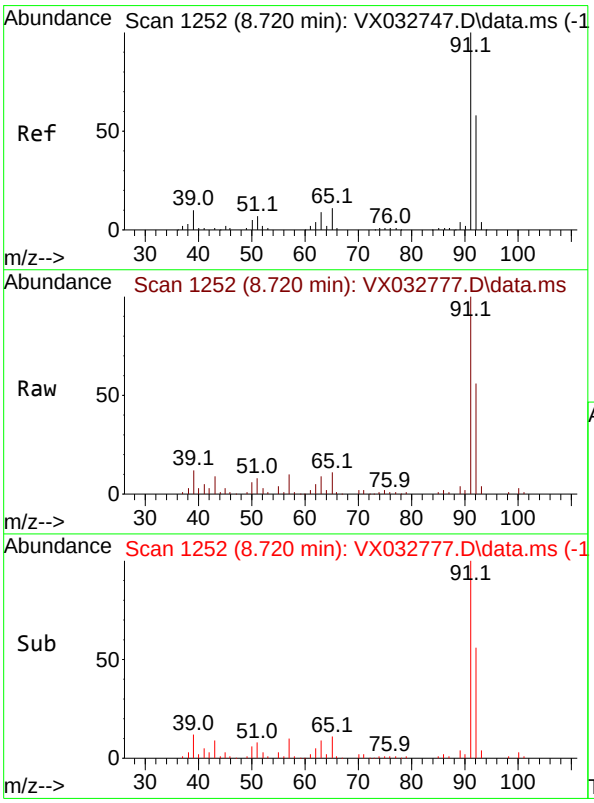
#60
4-Bromofluorobenzene
Concen: 29.157 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Instrument :
MSVOA_X
ClientSampleId :
221109054-02-VOA

Tgt Ion: 95 Resp: 44354

Ion	Ratio	Lower	Upper
95	100		
174	81.3	68.2	102.2
176	78.0	68.1	102.1

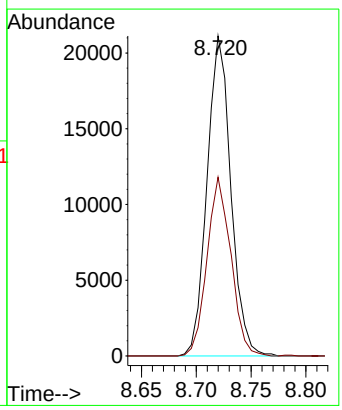


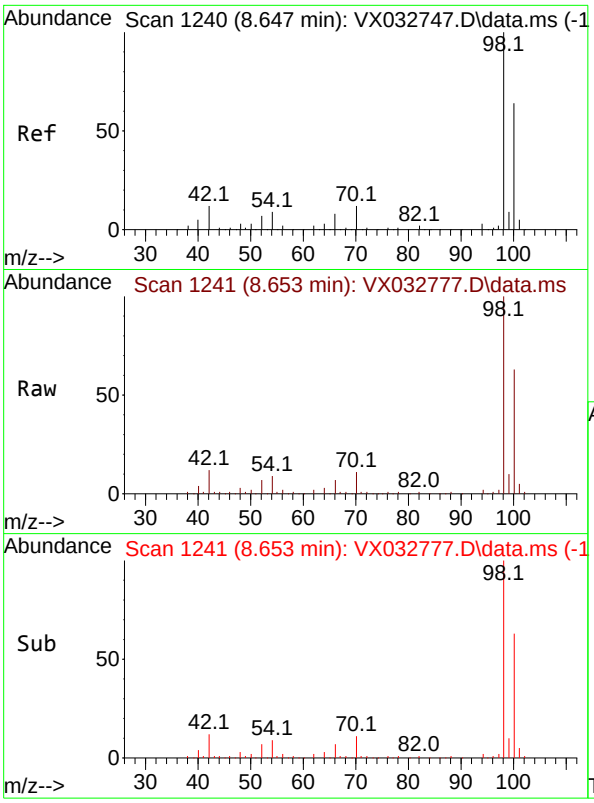


#62
Toluene
Concen: 6.175 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Tgt Ion: 91 Resp: 31934

Ion	Ratio	Lower	Upper
91	100		
92	56.0	47.3	70.9



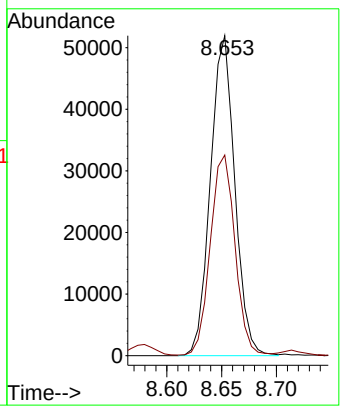


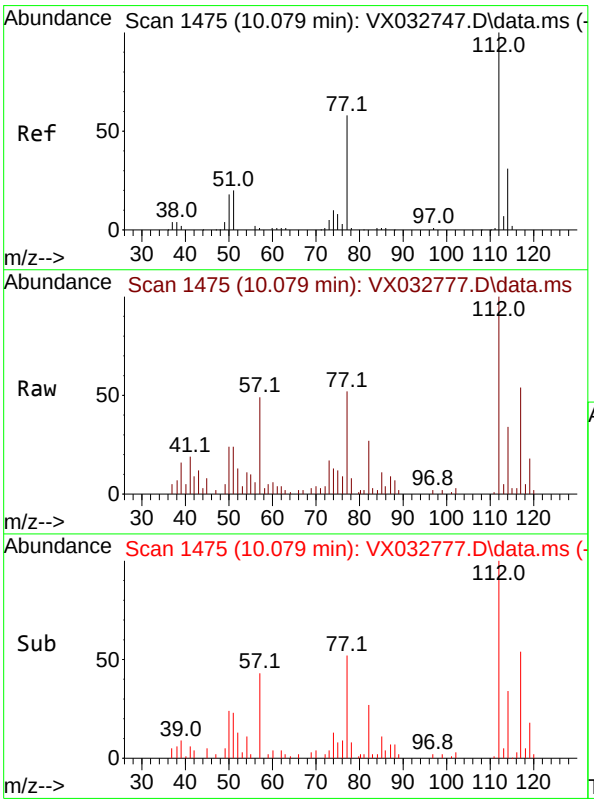
#63
Toluene-d8
Concen: 29.941 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Instrument :
MSVOA_X
ClientSampleId :
221109054-02-VOA

Tgt Ion: 98 Resp: 80355

Ion	Ratio	Lower	Upper
98	100		
100	63.9	53.8	80.8

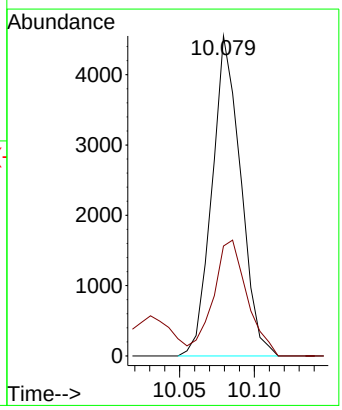


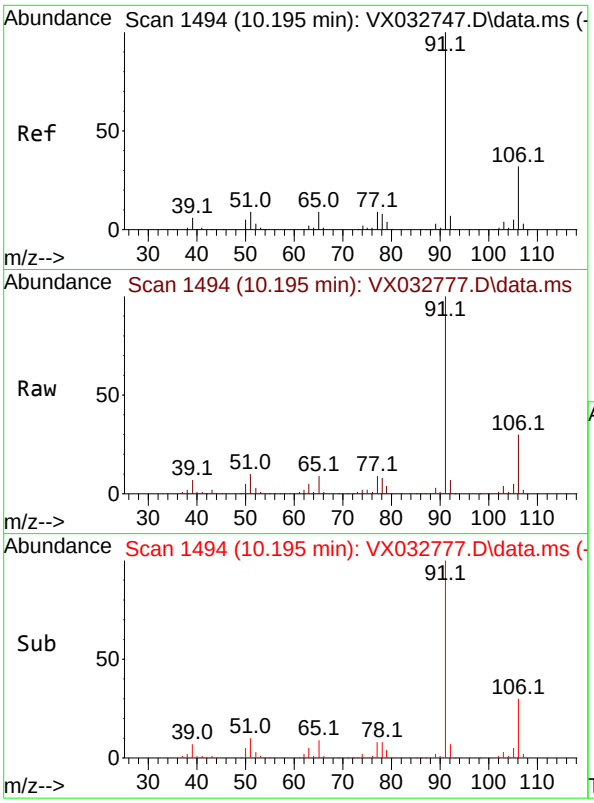


#64
Chlorobenzene
Concen: 1.896 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Tgt Ion:112 Resp: 6061

Ion	Ratio	Lower	Upper
112	100		
114	34.4	25.7	38.5



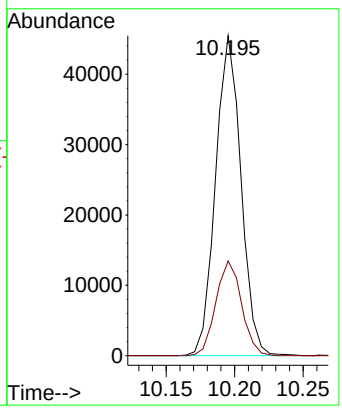


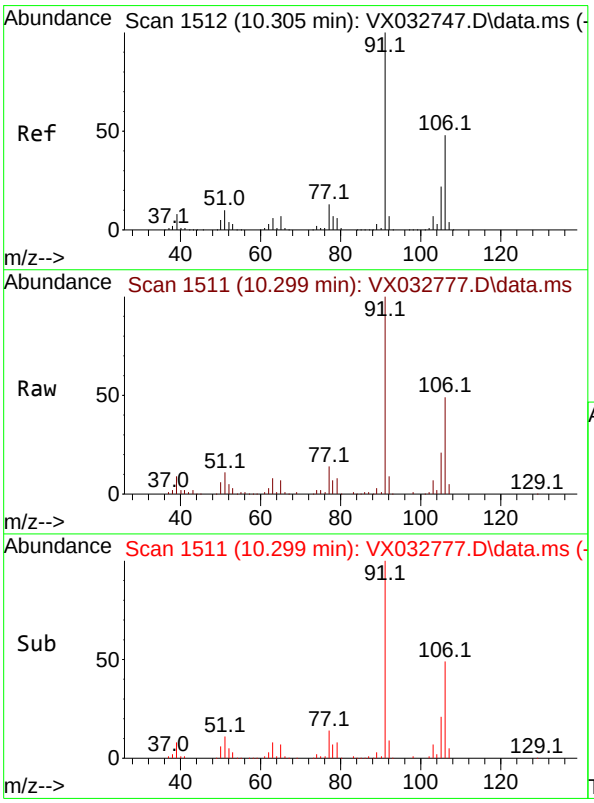
#66
Ethyl Benzene
Concen: 10.093 ug/l
RT: 10.195 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Instrument :
MSVOA_X
ClientSampleId :
221109054-02-VOA

Tgt Ion: 91 Resp: 58560

Ion	Ratio	Lower	Upper
91	100		
106	29.6	26.7	40.1

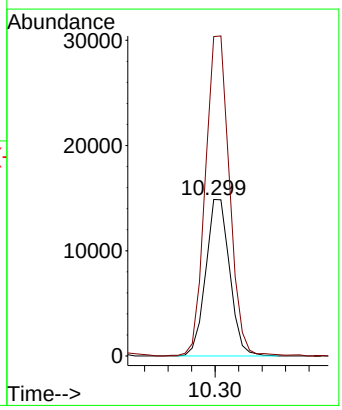


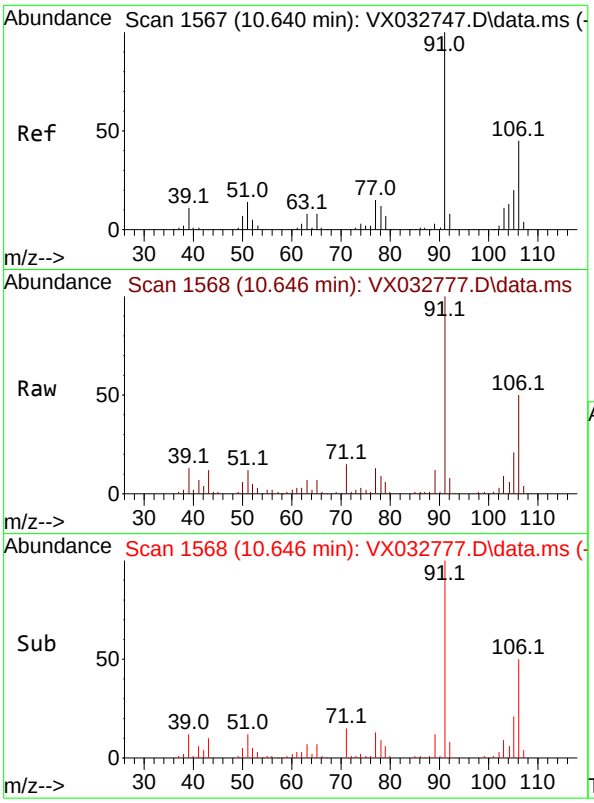


#67
m/p-Xylenes
Concen: 9.314 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Tgt Ion:106 Resp: 21026

Ion	Ratio	Lower	Upper
106	100		
91	205.0	152.3	228.5



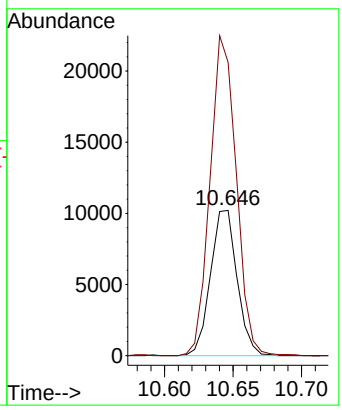


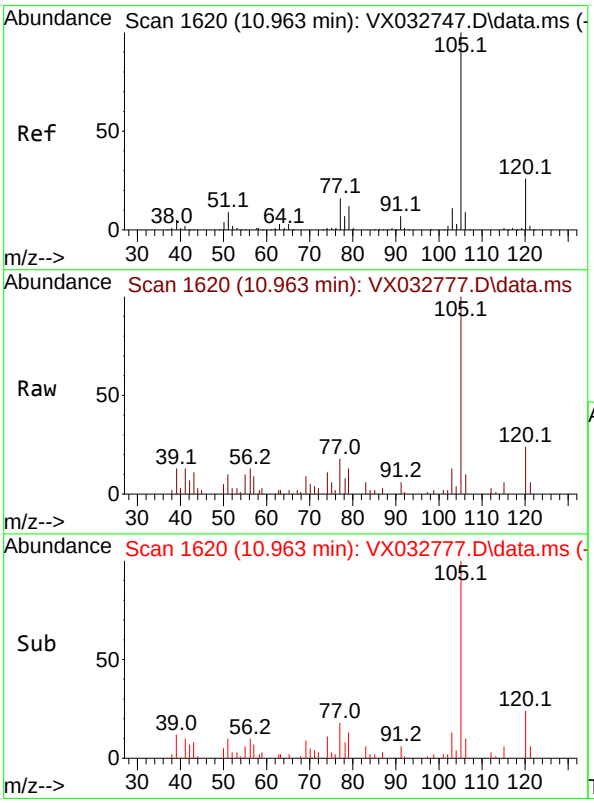
#68
o-Xylene
Concen: 6.240 ug/l
RT: 10.646 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Instrument :
MSVOA_X
ClientSampleId :
221109054-02-VOA

Tgt Ion:106 Resp: 13822

Ion	Ratio	Lower	Upper
106	100		
91	216.4	101.9	305.7

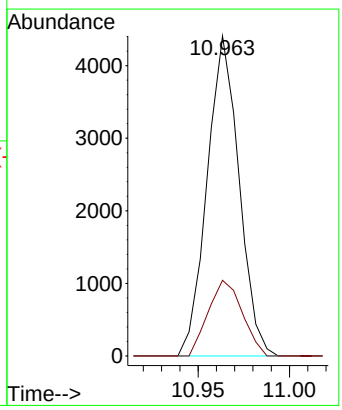


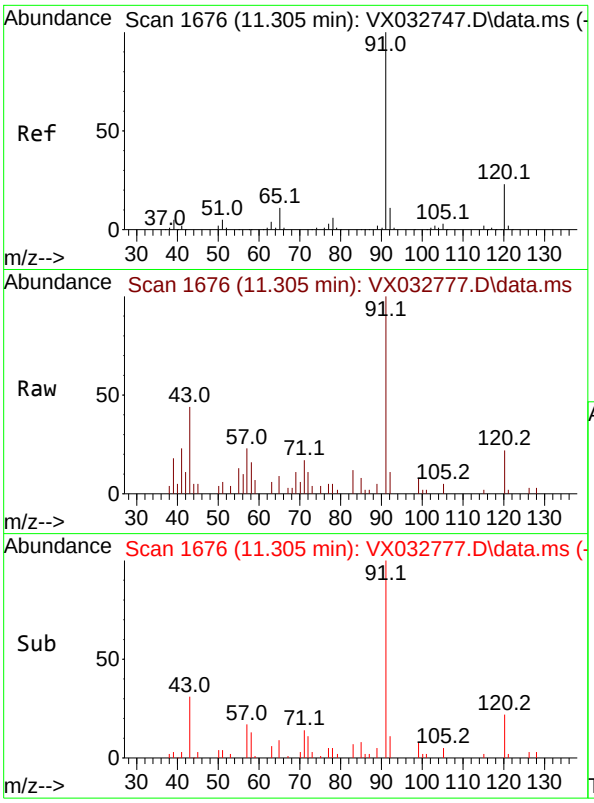


#70
Isopropylbenzene
Concen: 0.907 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Tgt Ion:105 Resp: 5365

Ion	Ratio	Lower	Upper
105	100		
120	25.2	19.3	35.9



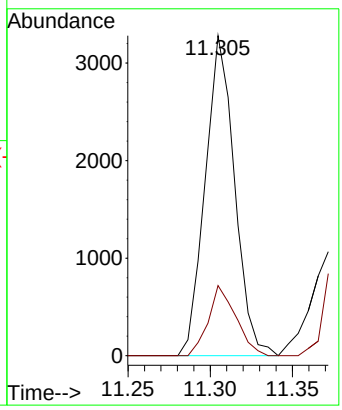


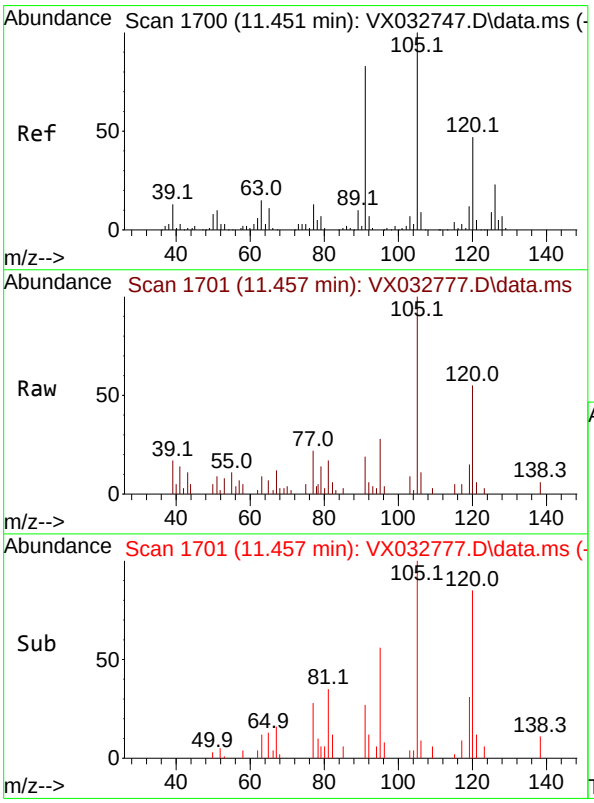
#74
n-propylbenzene
Concen: 0.608 ug/l
RT: 11.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Instrument :
MSVOA_X
ClientSampleId :
221109054-02-VOA

Tgt Ion: 91 Resp: 4085

Ion	Ratio	Lower	Upper
91	100		
120	20.5	0.0	51.0

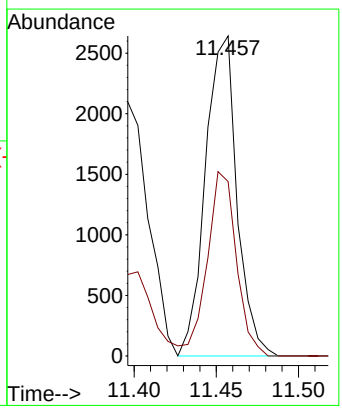


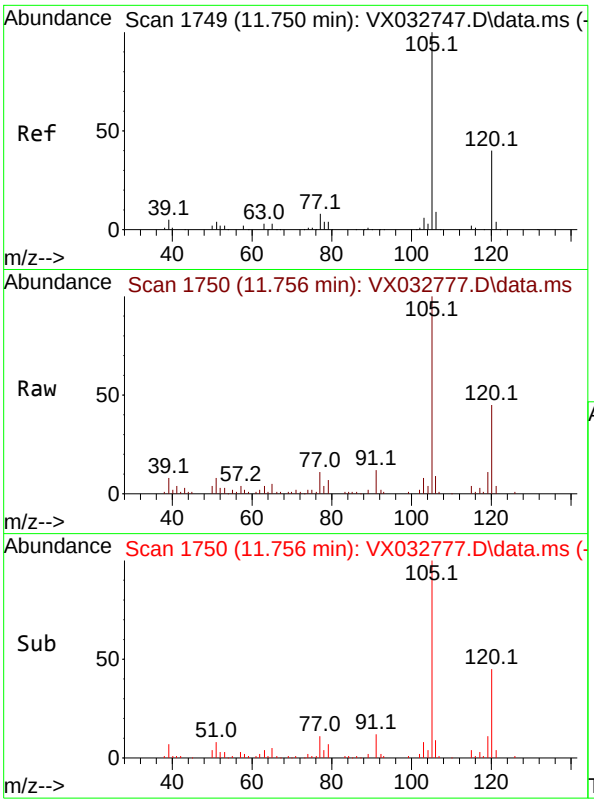


#76
1,3,5-Trimethylbenzene
Concen: 0.705 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Tgt Ion:105 Resp: 3524

Ion	Ratio	Lower	Upper
105	100		
120	53.3	0.0	100.6



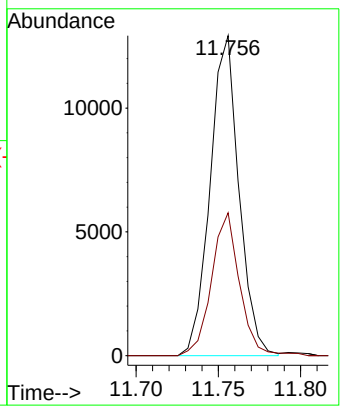


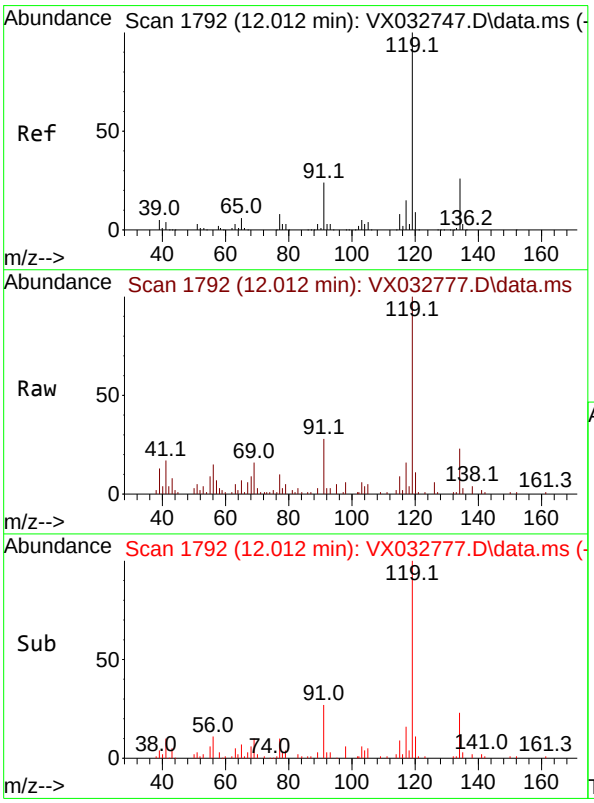
#80
1,2,4-Trimethylbenzene
Concen: 3.227 ug/l
RT: 11.756 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Instrument :
MSVOA_X
ClientSampleId :
221109054-02-VOA

Tgt Ion:105 Resp: 15777

Ion	Ratio	Lower	Upper
105	100		
120	43.3	0.0	95.0

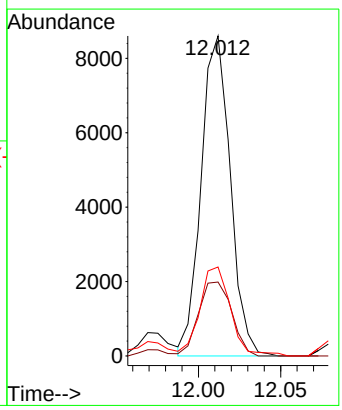


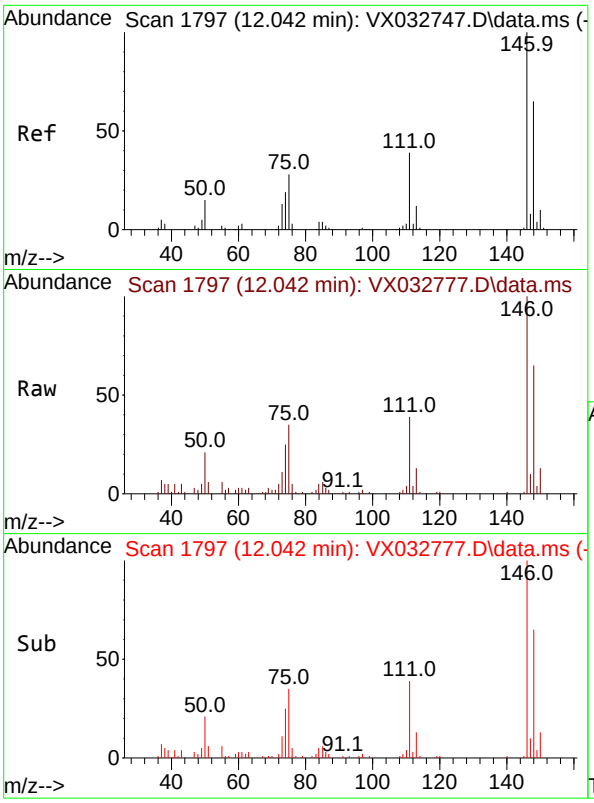


#82
p-Isopropyltoluene
Concen: 2.154 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Tgt Ion:119 Resp: 10620

Ion	Ratio	Lower	Upper
119	100		
134	26.2	0.0	55.4
91	26.3	0.0	45.6



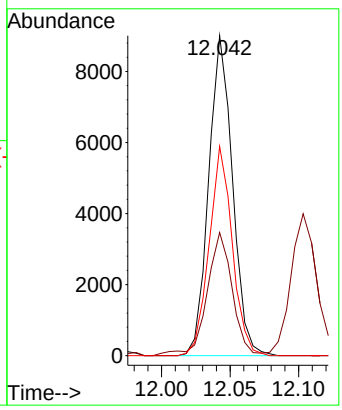


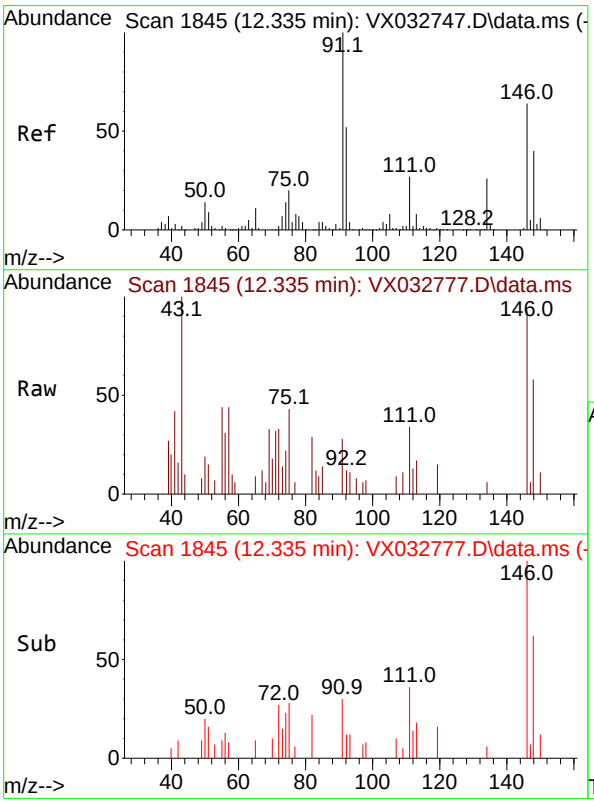
#84
1,4-Dichlorobenzene
Concen: 4.114 ug/l
RT: 12.042 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Instrument :
MSVOA_X
ClientSampleId :
221109054-02-VOA

Tgt Ion:146 Resp: 10892

Ion	Ratio	Lower	Upper
146	100		
111	39.3	18.9	56.5
148	63.7	31.6	95.0

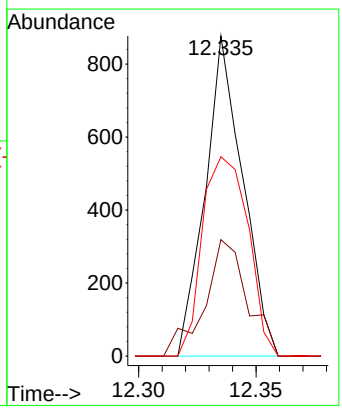


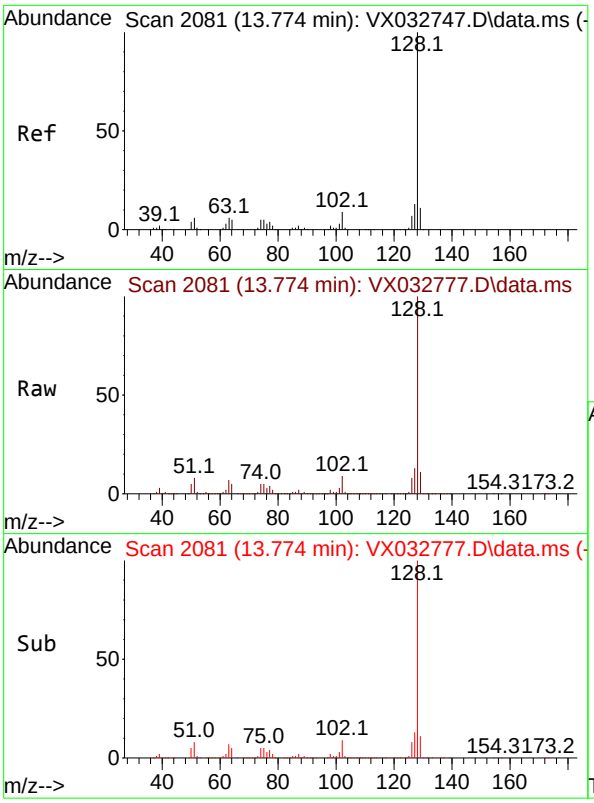


#87
1,2-Dichlorobenzene
Concen: 0.372 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Tgt Ion:146 Resp: 976

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.0	60.0
148	75.7	33.0	99.0





#91
Naphthalene
Concen: 42.703 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX032777.D
Acq: 11 Nov 2022 16:11

Instrument :
MSVOA_X
ClientSampleId :
221109054-02-VOA

Tgt Ion:128 Resp: 231993

Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.9	14.9
129	10.8	8.4	12.6