Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090622\
Data File : VX031130.D
Acq On : 06 Sep 2022 16:02
Operator : JC/MD
Sample : N4489-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ORA-0044

Quant Time: Sep 06 17:30:02 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 02 02:49:21 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	227806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	369249	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	312998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	155340	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	138282	47.176	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.360%		
35) Dibromofluoromethane	5.391	113	130248	48.336	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.680%		
50) Toluene-d8	8.653	98	447146	45.087	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.180%		
62) 4-Bromofluorobenzene	11.085	95	159668	45.583	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.160%		
Target Compounds						Qvalue
3) Chloromethane	1.288	50	823	1.063	ug/l	96
5) Bromomethane	1.612	94	866	0.791	ug/l #	61
6) Chloroethane	1.654	64	141	1.816	ug/l #	41
10) Methyl Iodide	2.453	142	1235	3.347	ug/l #	76
11) Tert butyl alcohol	2.977	59	133238	222.609	ug/l	97
13) Acrolein	2.252	56	2480	4.624	ug/l	87
14) Allyl chloride	2.648	41	1862	0.530	ug/l #	27
16) Acetone	2.386	43	1961572	1733.491	ug/l	99
18) Methyl Acetate	2.709	43	18557	5.707	ug/l #	84
20) Methylene Chloride	2.788	84	123	Below Cal	#	43
22) Diisopropyl ether	3.892	45	22355	3.157	ug/l #	1
23) Vinyl Acetate	3.886	43	52204	9.126	ug/l #	72
25) 2-Butanone	4.562	43	830837	475.595	ug/l #	85
29) Tetrahydrofuran	5.026	42	2498	2.218	ug/l #	46
31) Cyclohexane	5.562	56	3411	0.852	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	14313	3.792	ug/l #	49
37) Ethyl Acetate	4.727	43	116221	35.439	ug/l #	93
38) Carbon Tetrachloride	5.556	117	22486	5.739	ug/l #	17
43) Isopropyl Acetate	6.355	43	4684	0.914	ug/l #	60
45) 1,2-Dichloropropane	7.458	63	607	0.219	ug/l #	35
48) Methyl methacrylate	7.586	41	7003	2.706	ug/l #	37
49) 1,4-Dioxane	7.684	88	995	12.642	ug/l #	25
51) 4-Methyl-2-Pentanone	8.574	43	43897	13.323	ug/l	88
52) Toluene	8.720	92	1867	0.266	ug/l	93
56) Ethyl methacrylate	9.116	69	817	0.200	ug/l #	25
59) 2-Hexanone	9.433	43	106822	42.872	ug/l	91
68) m/p-Xylenes	10.305	106	2545	0.507	ug/l	93
69) o-Xylene	10.640	106	1432	0.291	ug/l	96
70) Styrene	10.659	104	2182	0.274	ug/l	94
74) N-amyl acetate	10.896	43	6069	1.606	ug/l #	44
76) 1,2,3-Trichloropropane	11.085	75	73086	19.903	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	73086	62.550	ug/l #	14
95) Naphthalene	13.774	128	5353	0.380	ug/l #	91

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

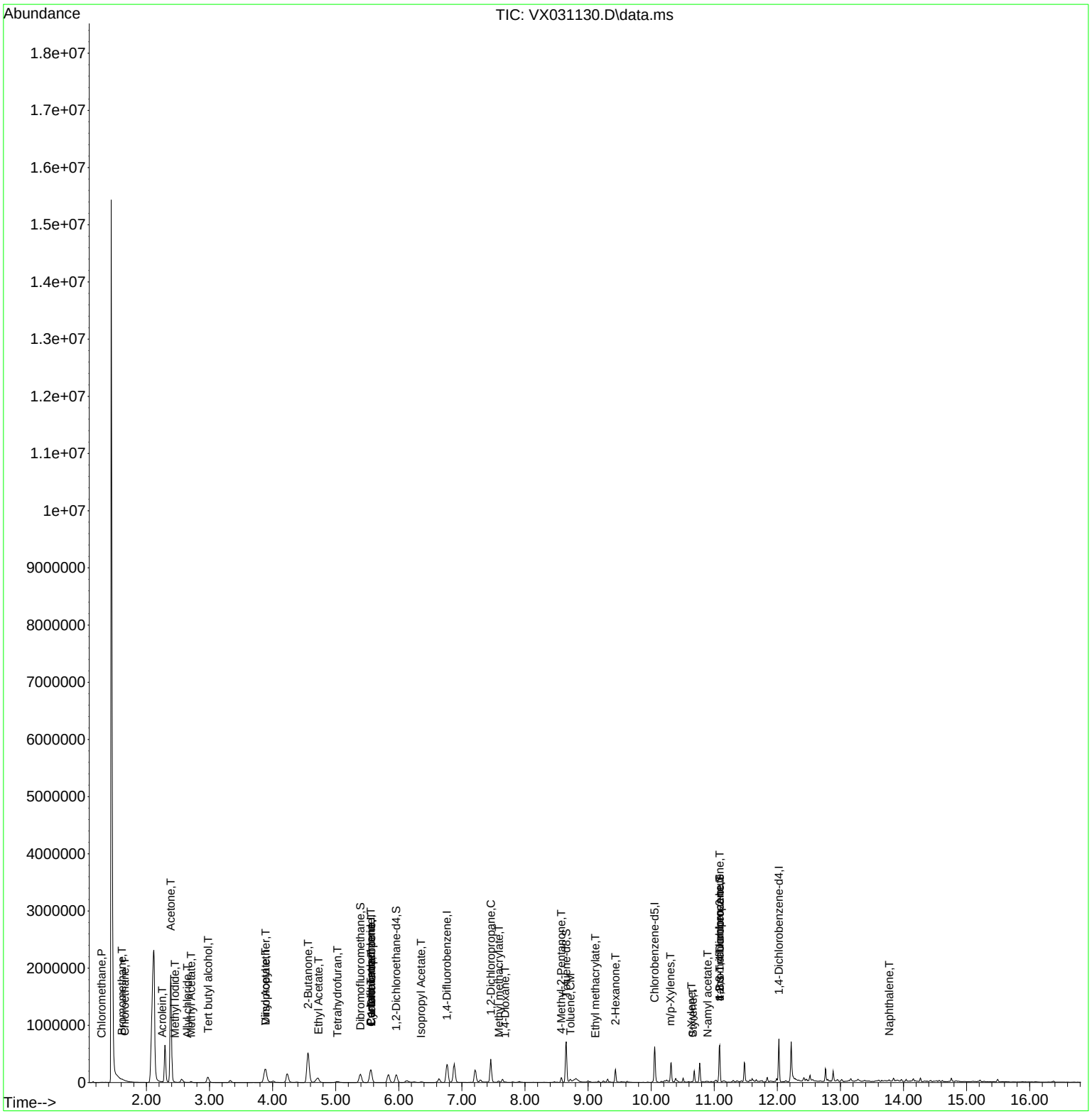
Instrument :
MSVOA_X
ClientSampleId :
ORA-0044

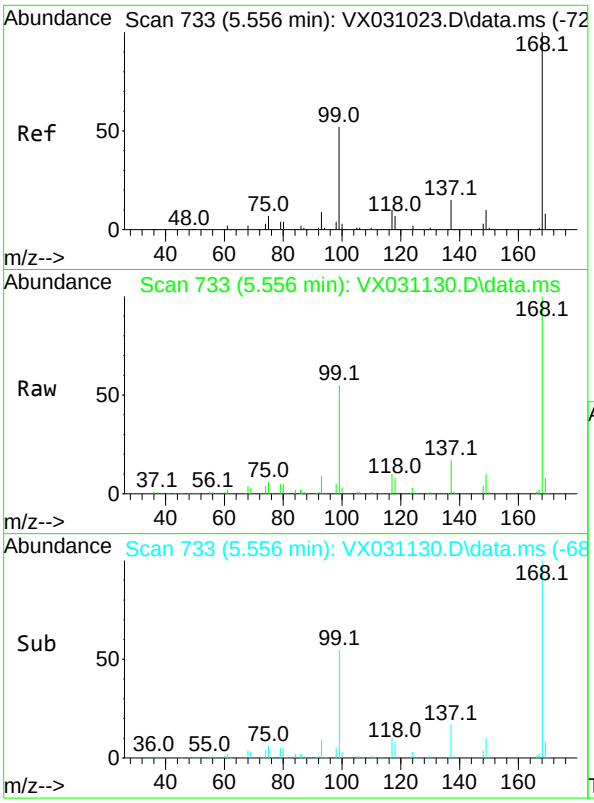
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090622\
Data File : VX031130.D
Acq On : 06 Sep 2022 16:02
Operator : JC/MD
Sample : N4489-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ORA-0044

Quant Time: Sep 06 17:30:02 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 02 02:49:21 2022
Response via : Initial Calibration



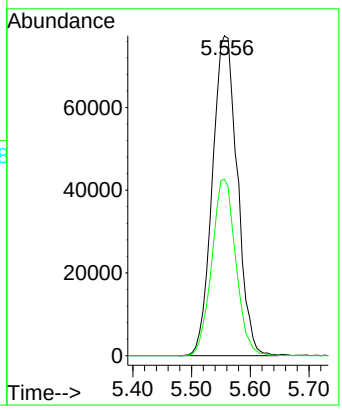


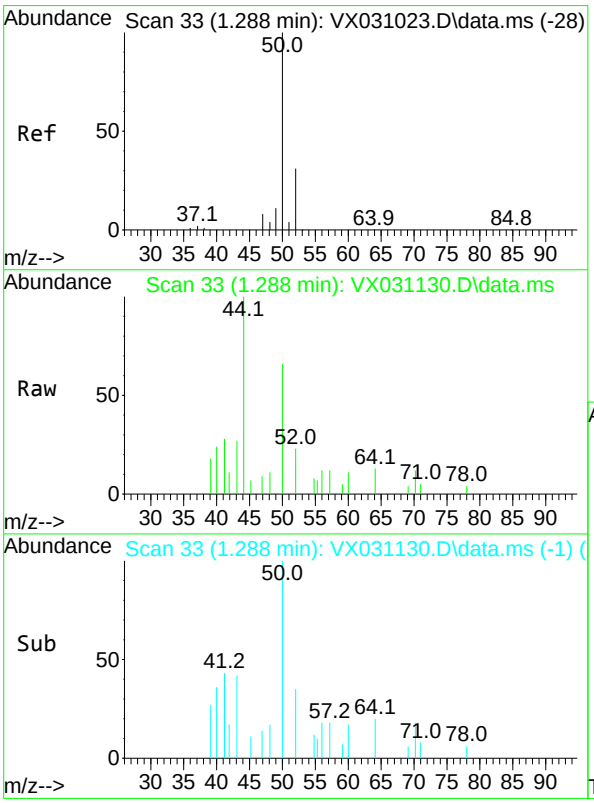
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Instrument :
MSVOA_X
ClientSampleId :
ORA-0044

Tgt Ion:168 Resp: 227806

Ion	Ratio	Lower	Upper
168	100		
99	55.1	44.0	66.0

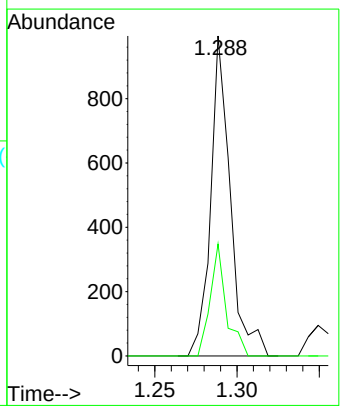


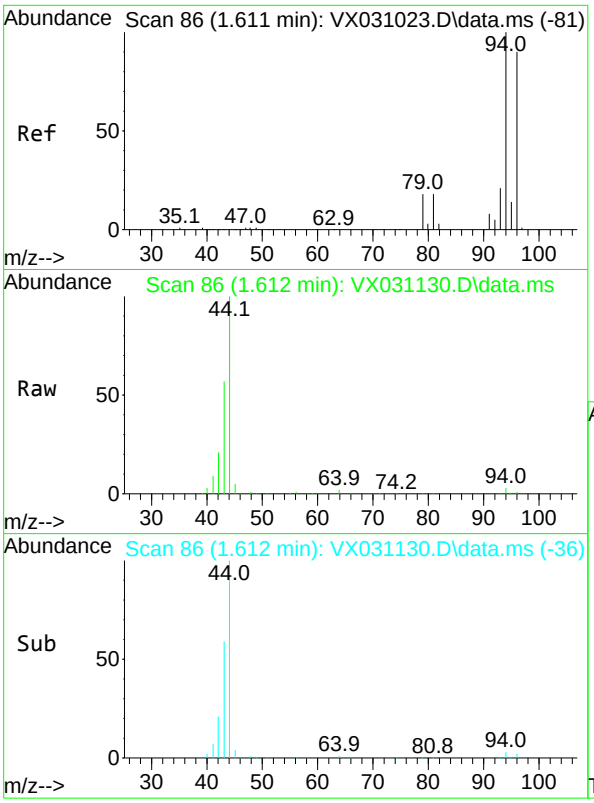


#3
Chloromethane
Concen: 1.063 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Tgt Ion: 50 Resp: 823

Ion	Ratio	Lower	Upper
50	100		
52	35.0	26.3	39.5



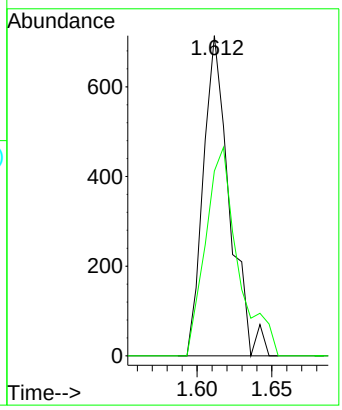


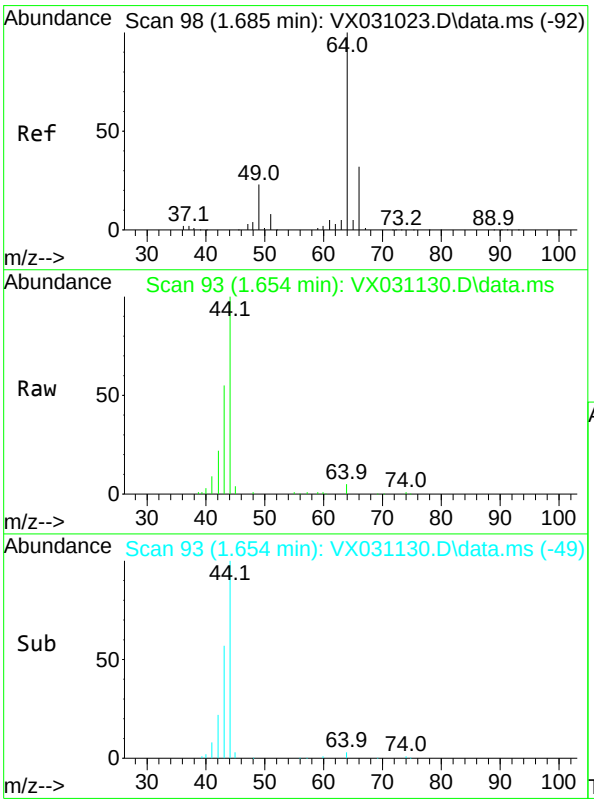
#5
Bromomethane
Concen: 0.791 ug/l
RT: 1.612 min Scan# 8
Delta R.T. 0.007 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Instrument :
MSVOA_X
ClientSampleId :
ORA-0044

Tgt Ion: 94 Resp: 866

Ion	Ratio	Lower	Upper
94	100		
96	57.7	76.9	115.3#

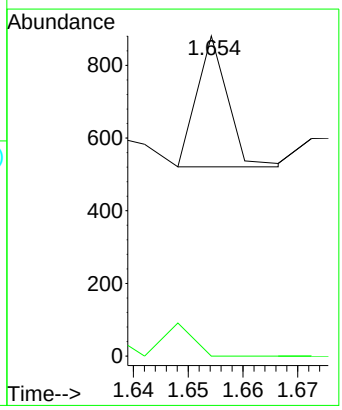


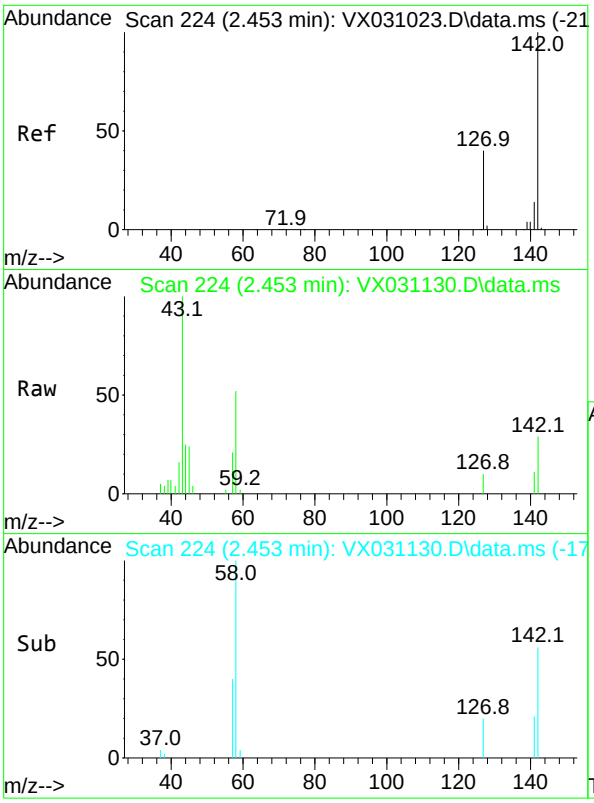


#6
Chloroethane
Concen: 1.816 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.031 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Tgt Ion: 64 Resp: 141

Ion	Ratio	Lower	Upper
64	100		
66	0.0	27.2	40.8#



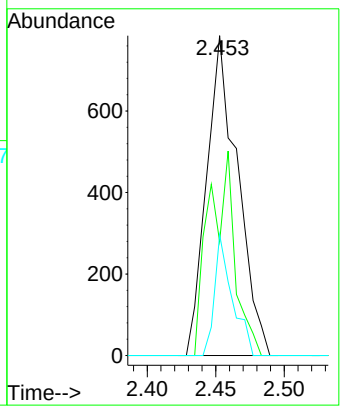


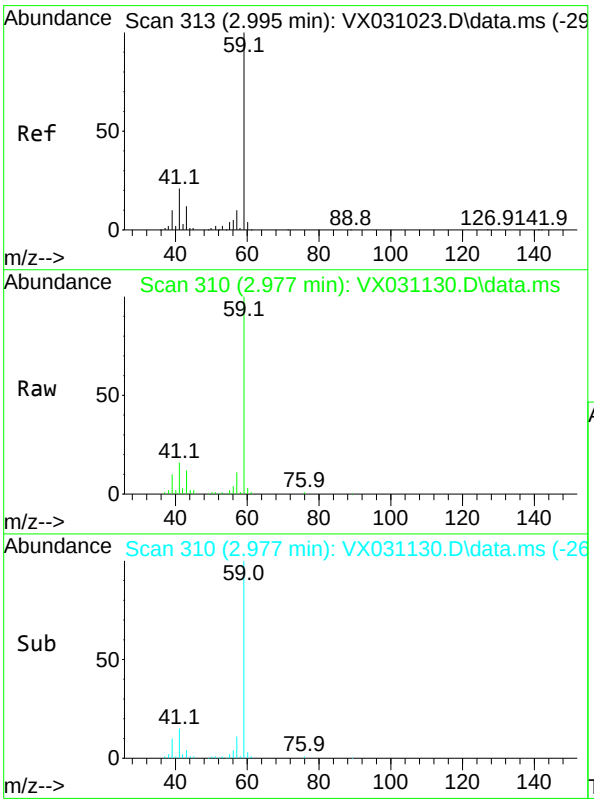
#10
Methyl Iodide
Concen: 3.347 ug/l
RT: 2.453 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Instrument :
MSVOA_X
ClientSampleId :
ORA-0044

Tgt Ion:142 Resp: 1235

Ion	Ratio	Lower	Upper
142	100		
127	53.2	30.2	45.2#
141	21.5	11.3	16.9#

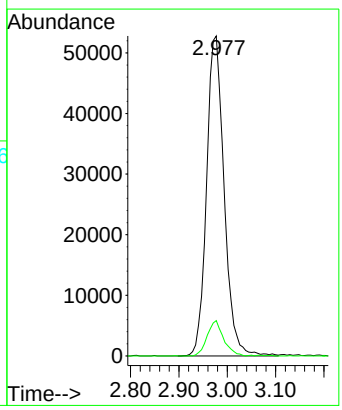


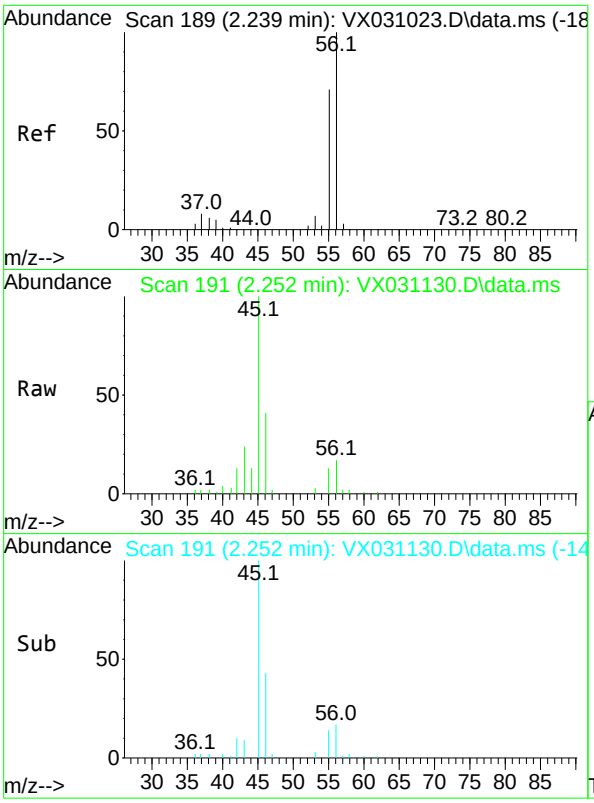


#11
Tert butyl alcohol
Concen: 222.609 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.012 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Tgt Ion: 59 Resp: 133238

Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.4	11.2



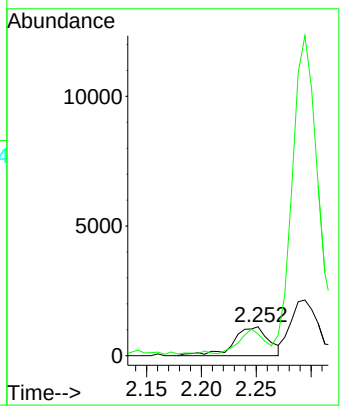


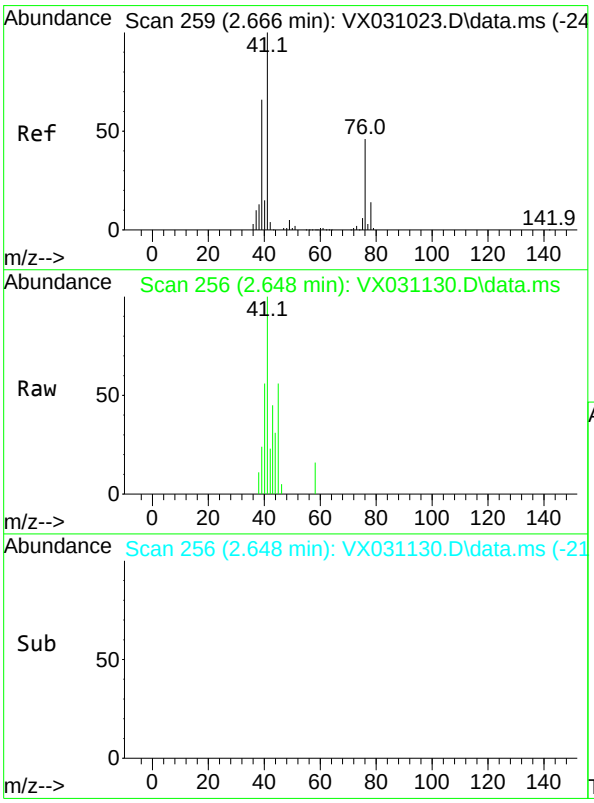
#13
Acrolein
Concen: 4.624 ug/l
RT: 2.252 min Scan# 1
Delta R.T. 0.013 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Instrument :
MSVOA_X
ClientSampleId :
ORA-0044

Tgt Ion: 56 Resp: 2480

Ion	Ratio	Lower	Upper
56	100		
55	60.0	56.6	84.8

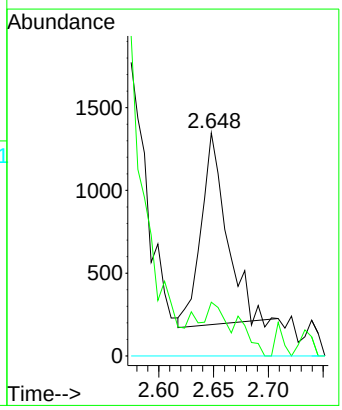


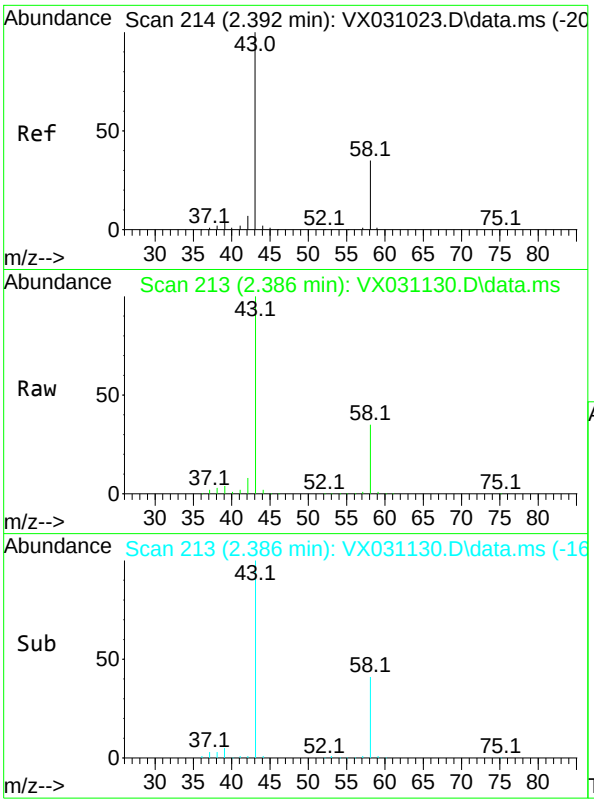


#14
Allyl chloride
Concen: 0.530 ug/l
RT: 2.648 min Scan# 256
Delta R.T. -0.018 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Tgt Ion: 41 Resp: 1862

Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.9	73.3#
76	0.0	26.9	40.3#



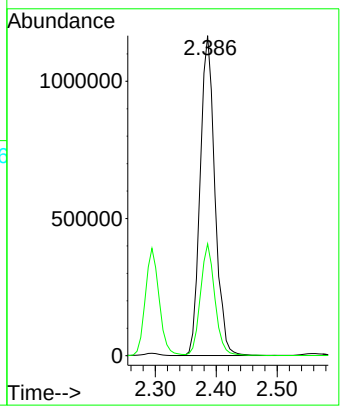


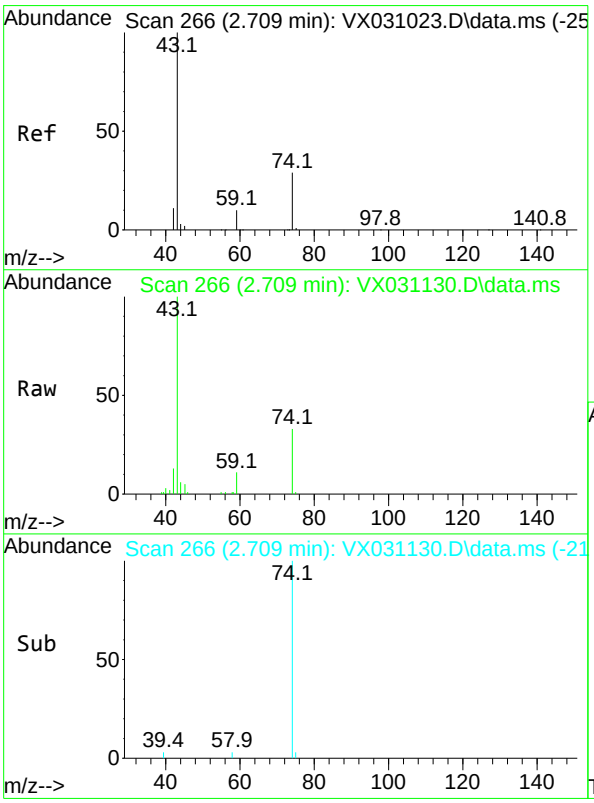
#16
Acetone
Concen: 1733.491 ug/l
RT: 2.386 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Instrument :
MSVOA_X
ClientSampleId :
ORA-0044

Tgt Ion: 43 Resp: 1961572

Ion	Ratio	Lower	Upper
43	100		
58	34.9	27.7	41.5

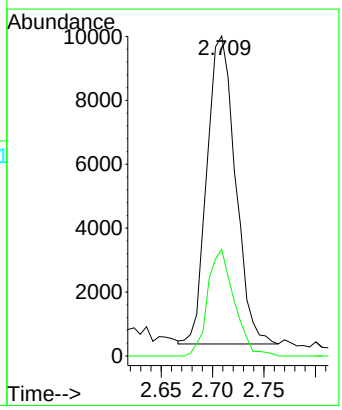


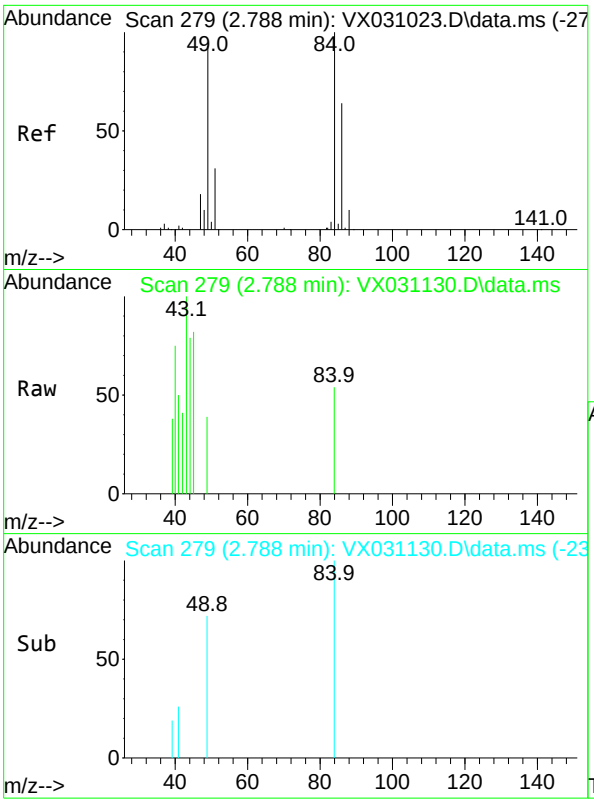


#18
Methyl Acetate
Concen: 5.707 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Tgt Ion: 43 Resp: 18557

Ion	Ratio	Lower	Upper
43	100		
74	32.2	19.4	29.2#



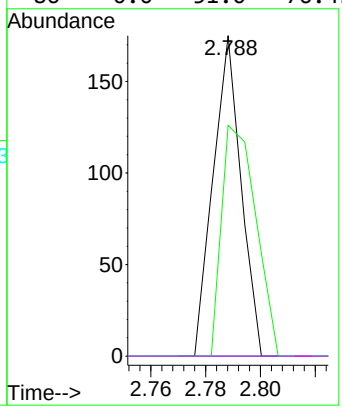


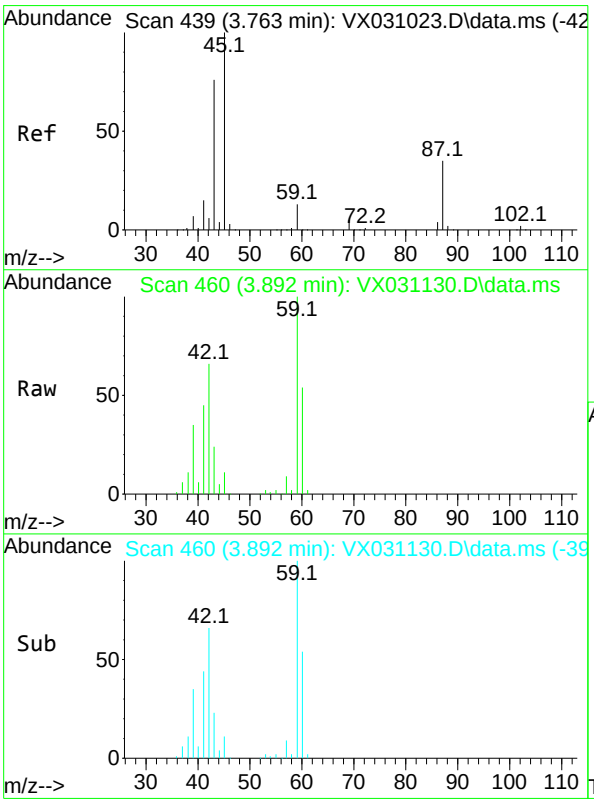
#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Instrument :
MSVOA_X
ClientSampleId :
ORA-0044

Tgt Ion: 84 Resp: 123

Ion	Ratio	Lower	Upper
84	100		
49	72.0	93.8	140.6#
51	0.0	29.4	44.0#
86	0.0	51.0	76.4#

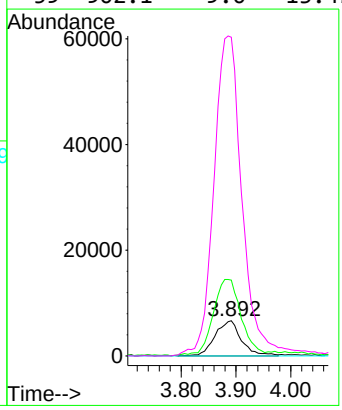


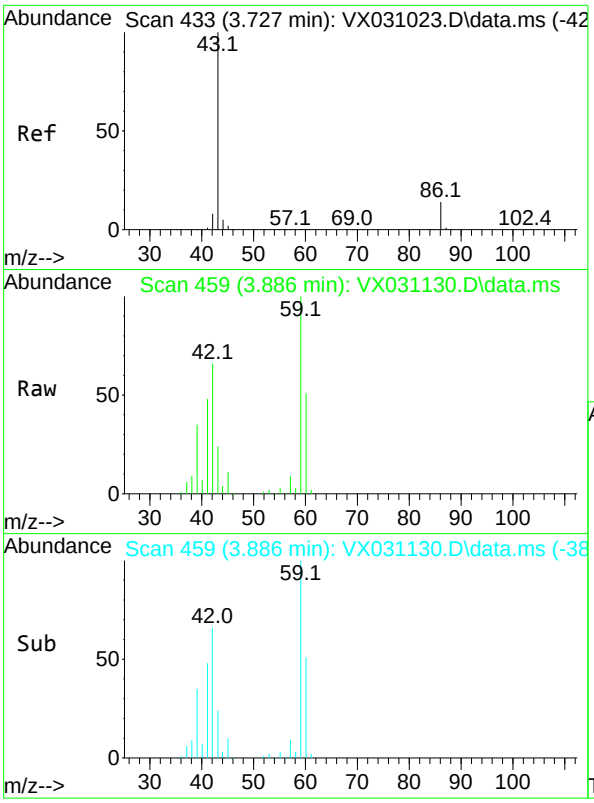


#22
Diisopropyl ether
Concen: 3.157 ug/l
RT: 3.892 min Scan# 460
Delta R.T. 0.122 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Tgt Ion: 45 Resp: 22355

Ion	Ratio	Lower	Upper
45	100		
43	212.3	65.4	98.0#
87	0.0	22.3	33.5#
59	902.1	9.0	13.4#



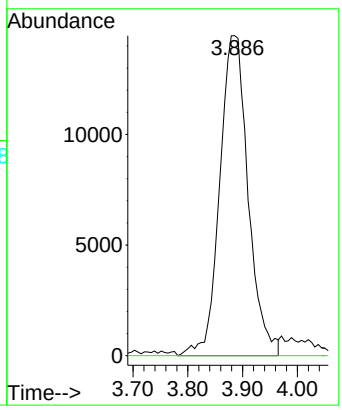


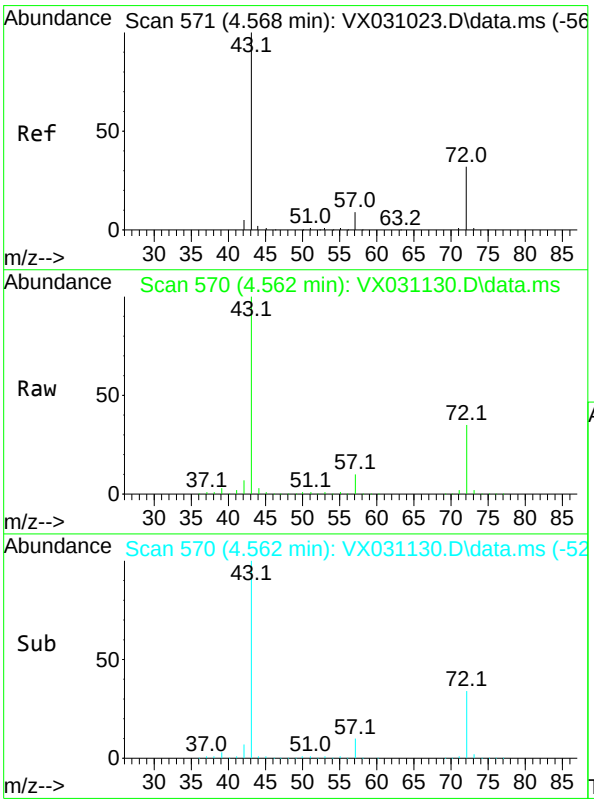
#23
Vinyl Acetate
Concen: 9.126 ug/l
RT: 3.886 min Scan# 4
Delta R.T. 0.159 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Instrument :
MSVOA_X
ClientSampleId :
ORA-0044

Tgt Ion: 43 Resp: 52204

Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.5	12.7#

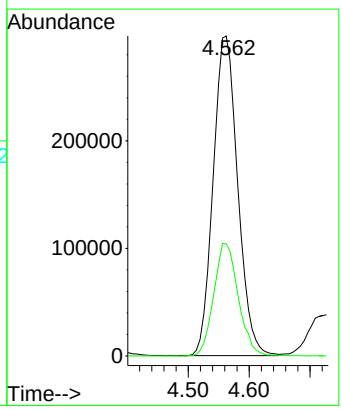


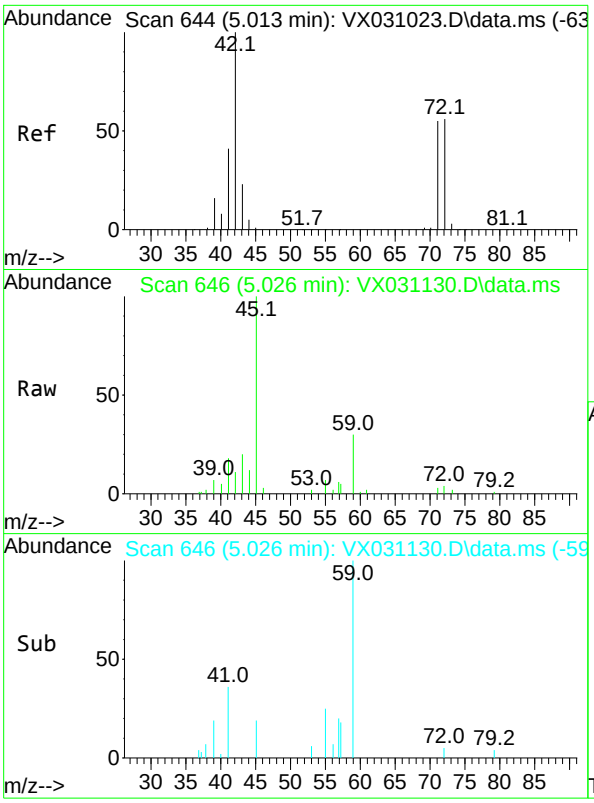


#25
2-Butanone
Concen: 475.595 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.006 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Tgt Ion: 43 Resp: 830837

Ion	Ratio	Lower	Upper
43	100		
72	35.1	21.7	32.5#



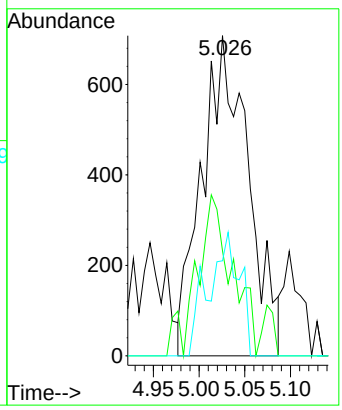


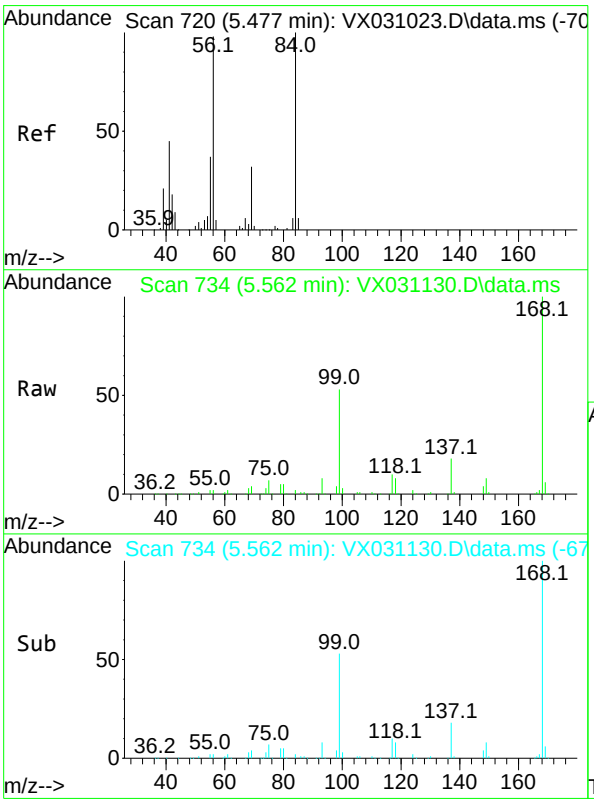
#29
Tetrahydrofuran
Concen: 2.218 ug/l
RT: 5.026 min Scan# 64
Delta R.T. 0.013 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Instrument :
MSVOA_X
ClientSampleId :
ORA-0044

Tgt Ion: 42 Resp: 2498

Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.5	54.7#
71	18.0	33.9	50.9#

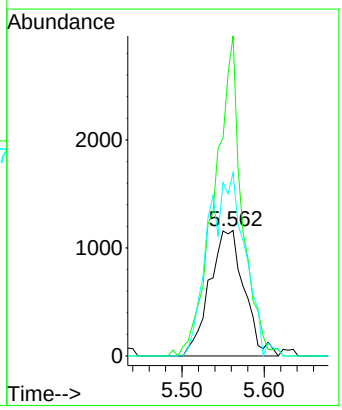


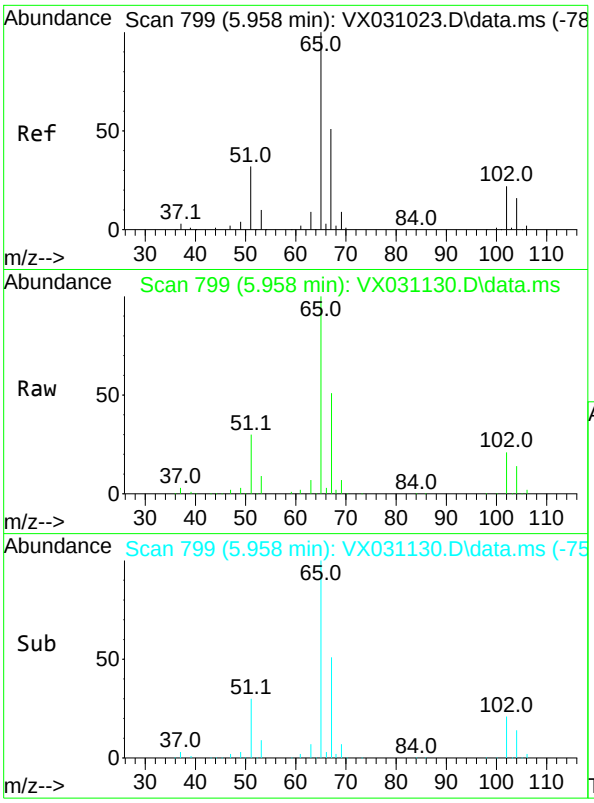


#31
Cyclohexane
Concen: 0.852 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Tgt Ion: 56 Resp: 3411

Ion	Ratio	Lower	Upper
56	100		
69	255.1	25.4	38.0#
84	146.0	68.9	103.3#



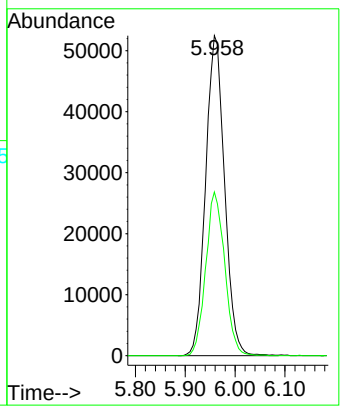


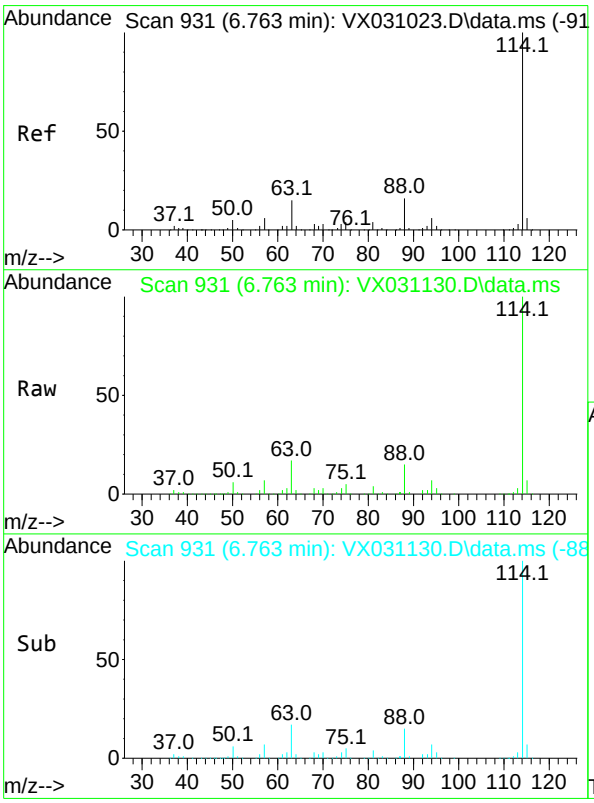
#33
1,2-Dichloroethane-d4
Concen: 47.176 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Instrument :
MSVOA_X
ClientSampleId :
ORA-0044

Tgt Ion: 65 Resp: 138282

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	109.6

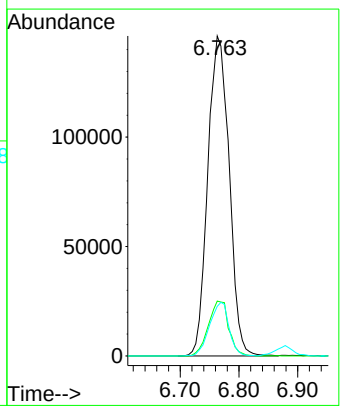


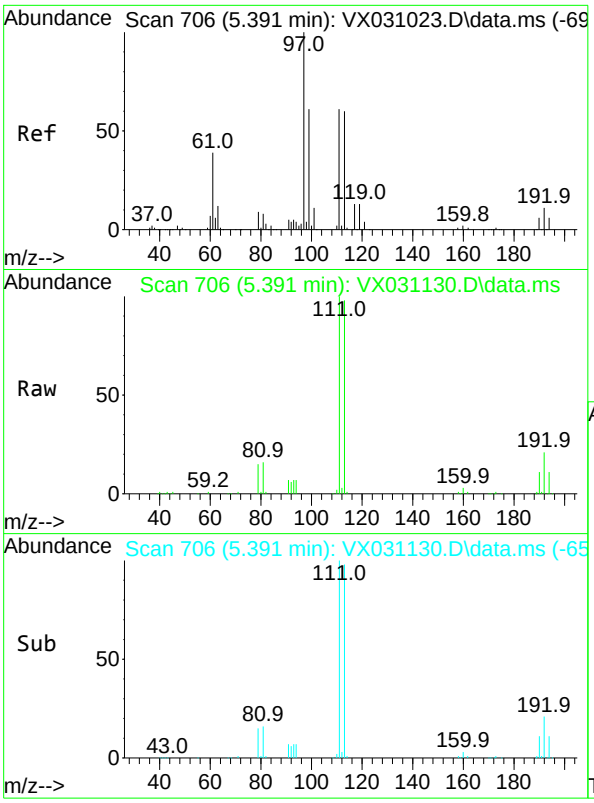


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Tgt Ion:114 Resp: 369249

Ion	Ratio	Lower	Upper
114	100		
63	17.2	0.0	38.4
88	15.5	0.0	31.8



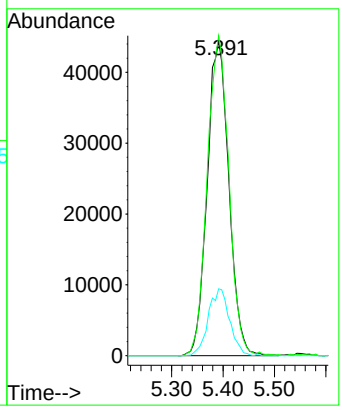


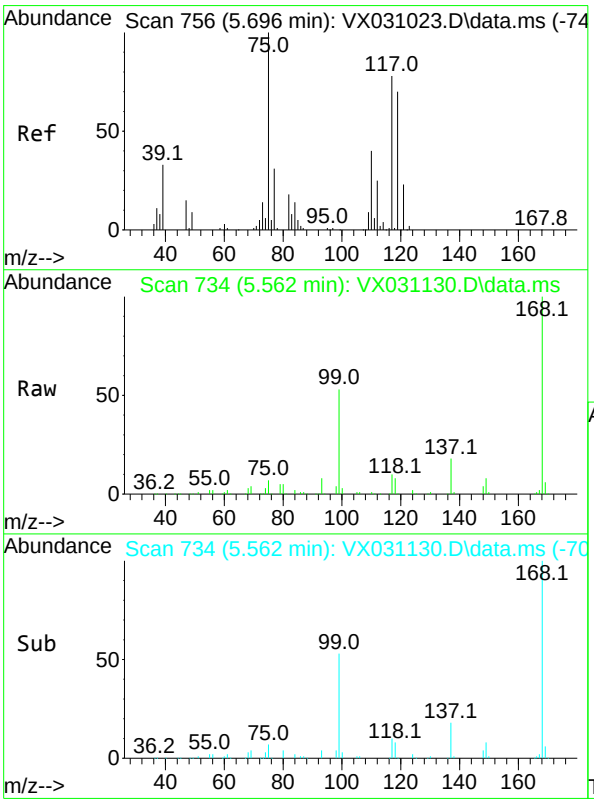
#35
Dibromofluoromethane
Concen: 48.336 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Instrument :
MSVOA_X
ClientSampleId :
ORA-0044

Tgt Ion:113 Resp: 130248

Ion	Ratio	Lower	Upper
113	100		
111	101.1	83.2	124.8
192	20.8	14.8	22.2

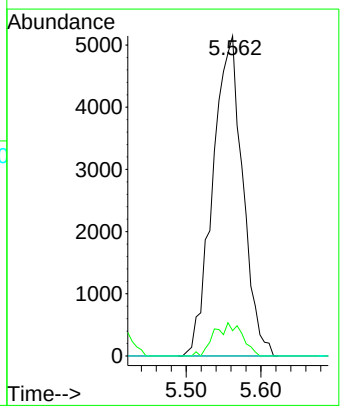


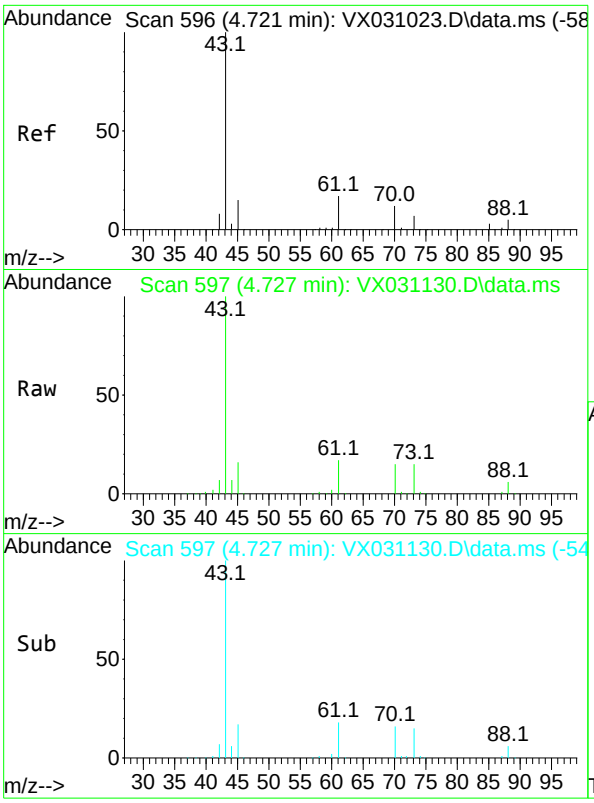


#36
1,1-Dichloropropene
Concen: 3.792 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Tgt Ion: 75 Resp: 14313

Ion	Ratio	Lower	Upper
75	100		
110	9.8	19.3	57.9#
77	0.0	24.4	36.6#



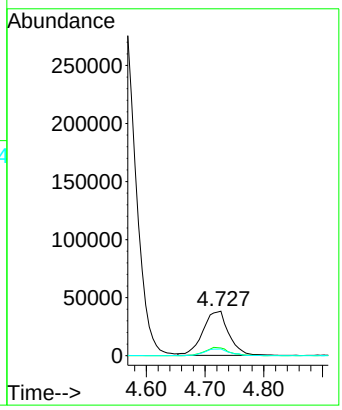


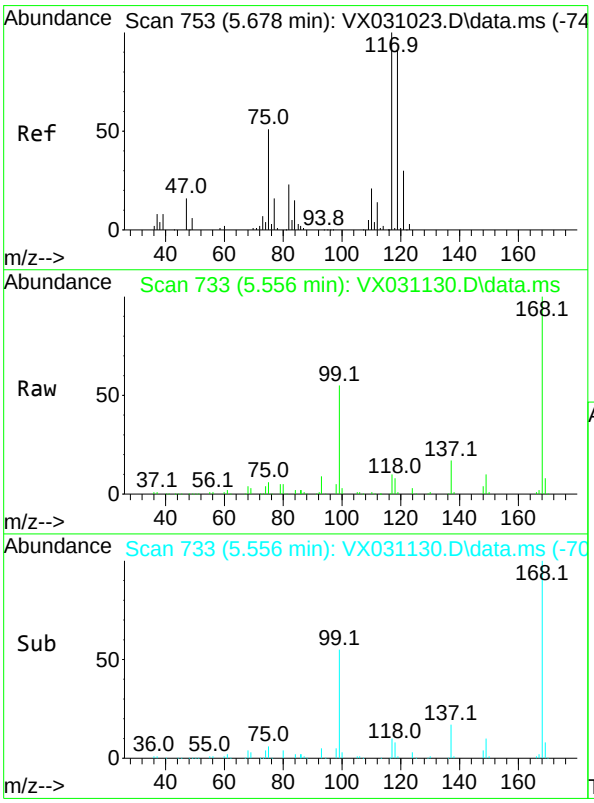
#37
Ethyl Acetate
Concen: 35.439 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Instrument :
MSVOA_X
ClientSampleId :
ORA-0044

Tgt Ion: 43 Resp: 116221

Ion	Ratio	Lower	Upper
43	100		
61	17.2	11.7	17.5
70	14.8	9.3	13.9#

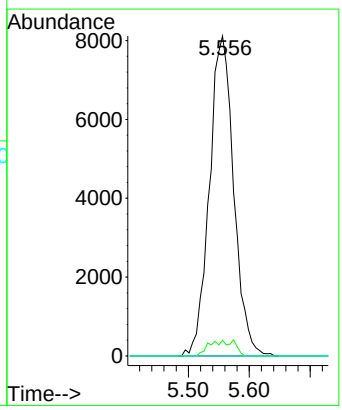


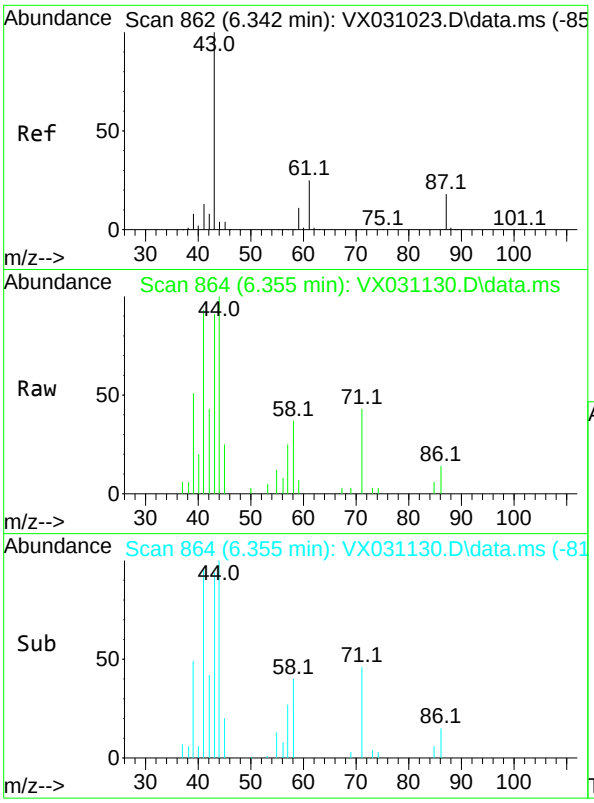


#38
Carbon Tetrachloride
Concen: 5.739 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Tgt Ion:117 Resp: 22486

Ion	Ratio	Lower	Upper
117	100		
119	4.9	74.1	111.1#
121	0.0	25.8	38.8#



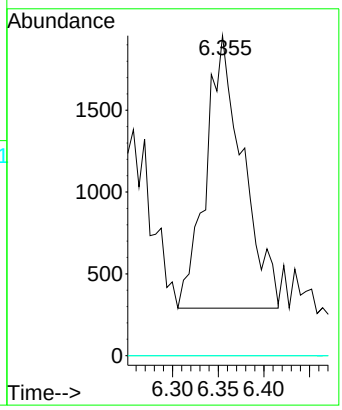


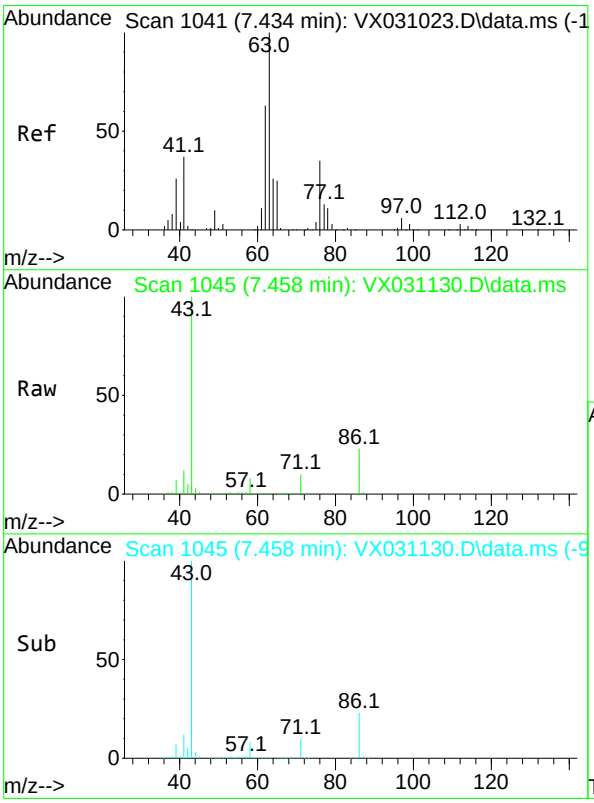
#43
Isopropyl Acetate
Concen: 0.914 ug/l
RT: 6.355 min Scan# 8
Delta R.T. 0.007 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Instrument :
MSVOA_X
ClientSampleId :
ORA-0044

Tgt Ion: 43 Resp: 4684

Ion	Ratio	Lower	Upper
43	100		
61	0.0	16.5	24.7#
87	0.0	11.1	16.7#

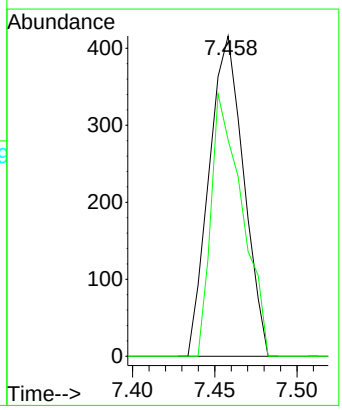


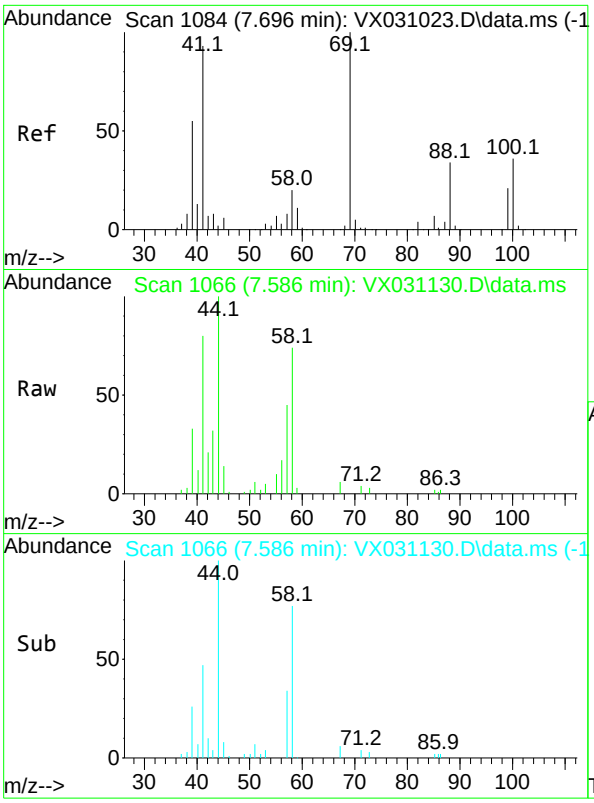


#45
1,2-Dichloropropane
Concen: 0.219 ug/l
RT: 7.458 min Scan# 1045
Delta R.T. 0.018 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Tgt Ion: 63 Resp: 607

Ion	Ratio	Lower	Upper
63	100		
65	67.5	25.2	37.8#



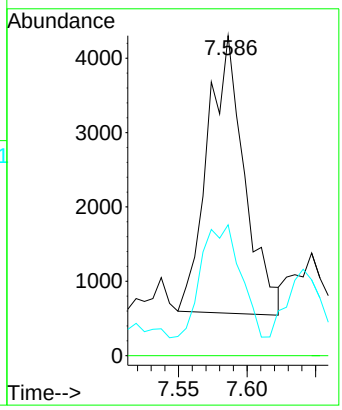


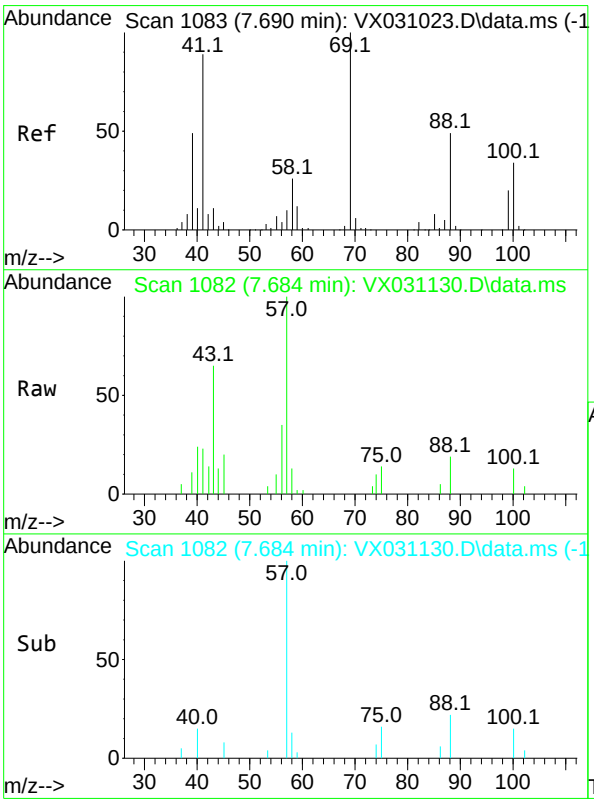
#48
Methyl methacrylate
Concen: 2.706 ug/l
RT: 7.586 min Scan# 1
Delta R.T. -0.110 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Instrument :
MSVOA_X
ClientSampleId :
ORA-0044

Tgt Ion: 41 Resp: 7003

Ion	Ratio	Lower	Upper
41	100		
69	0.0	68.8	103.2#
39	44.6	44.6	66.8

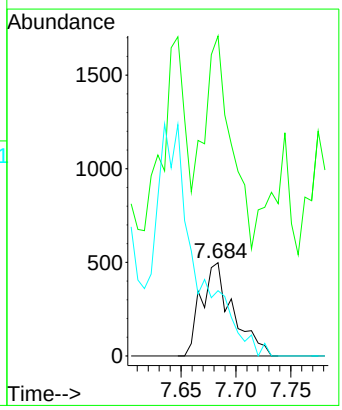


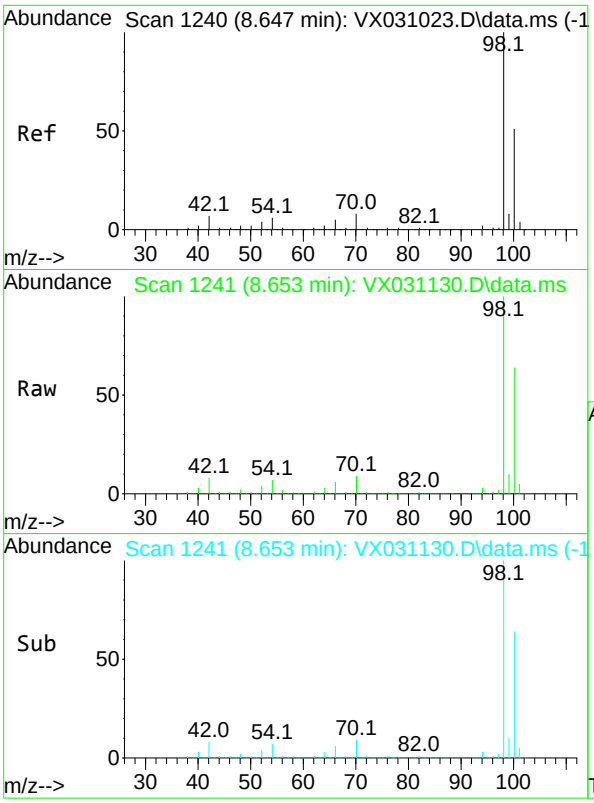


#49
1,4-Dioxane
Concen: 12.642 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.007 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Tgt Ion: 88 Resp: 995

Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.8	35.8#
58	0.0	53.8	80.6#



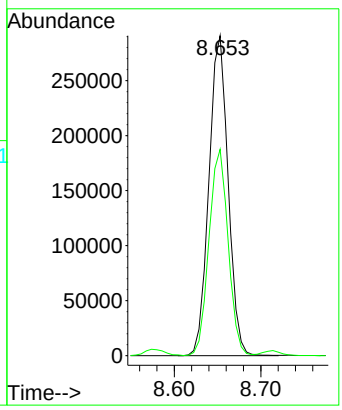


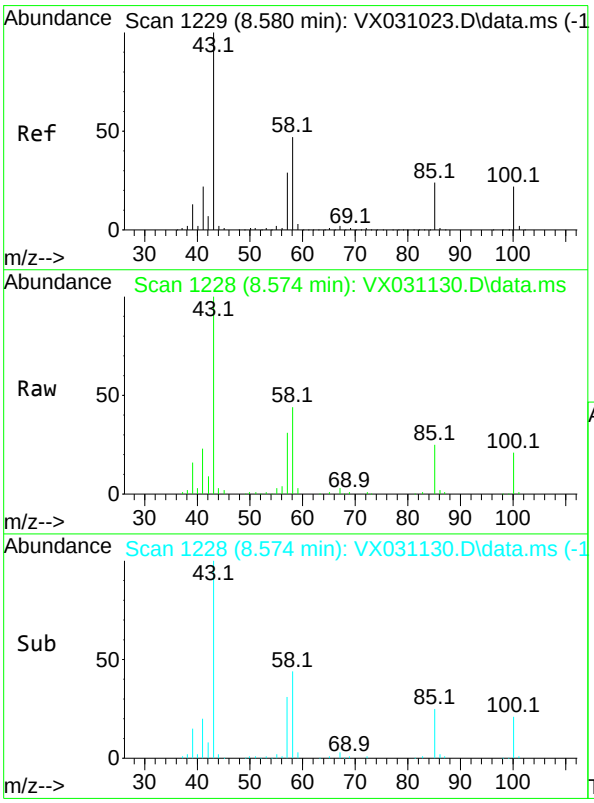
#50
Toluene-d8
Concen: 45.087 ug/l
RT: 8.653 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Instrument :
MSVOA_X
ClientSampleId :
ORA-0044

Tgt Ion: 98 Resp: 447146

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.3	78.5

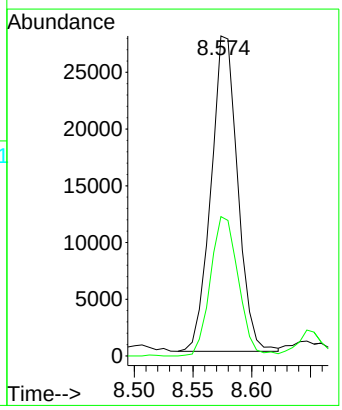


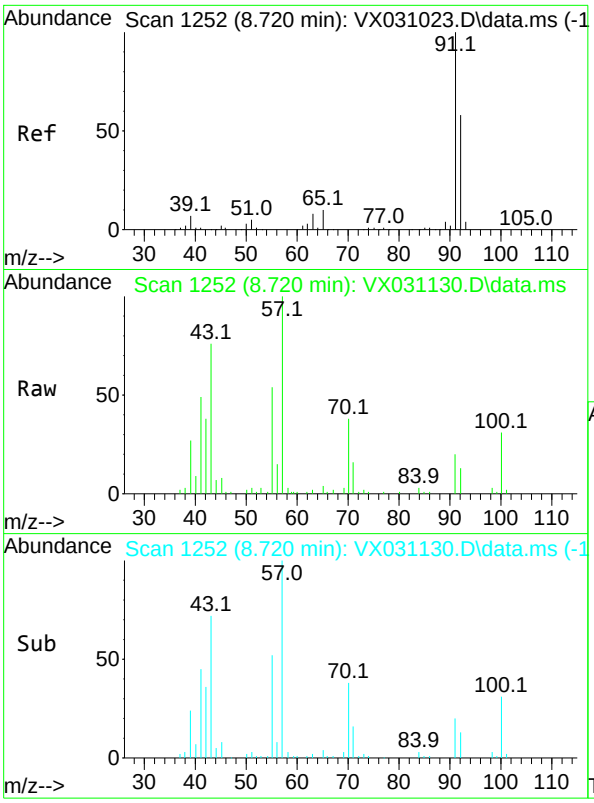


#51
4-Methyl-2-Pentanone
Concen: 13.323 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.006 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Tgt Ion: 43 Resp: 43897

Ion	Ratio	Lower	Upper
43	100		
58	46.4	31.4	47.2



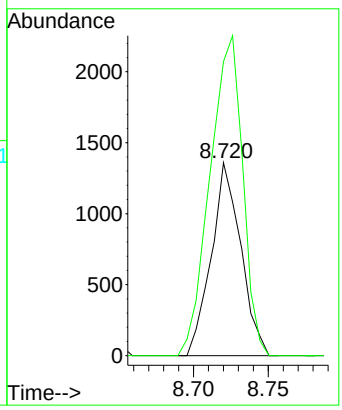


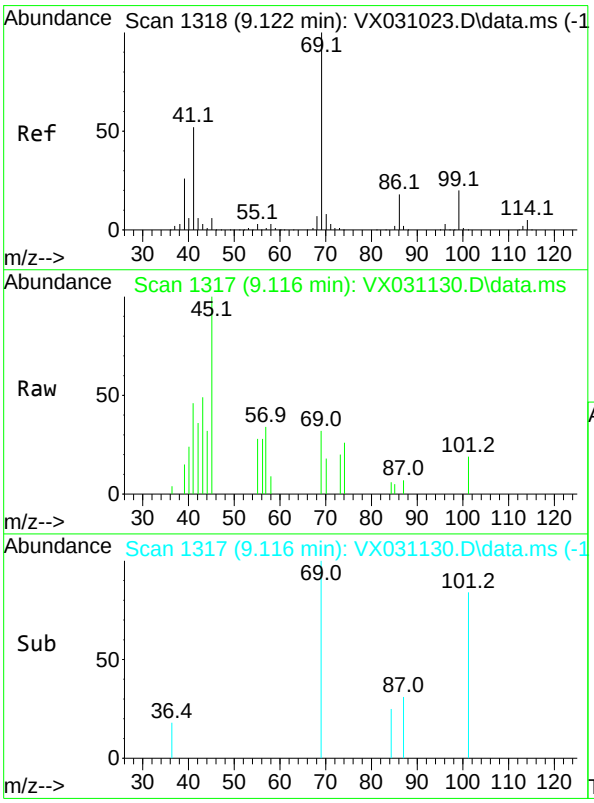
#52
Toluene
Concen: 0.266 ug/l
RT: 8.720 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Instrument :
MSVOA_X
ClientSampleId :
ORA-0044

Tgt Ion: 92 Resp: 1867

Ion	Ratio	Lower	Upper
92	100		
91	183.5	139.2	208.8

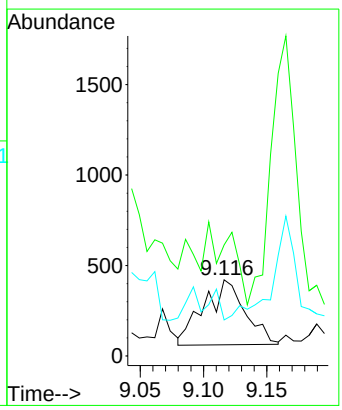


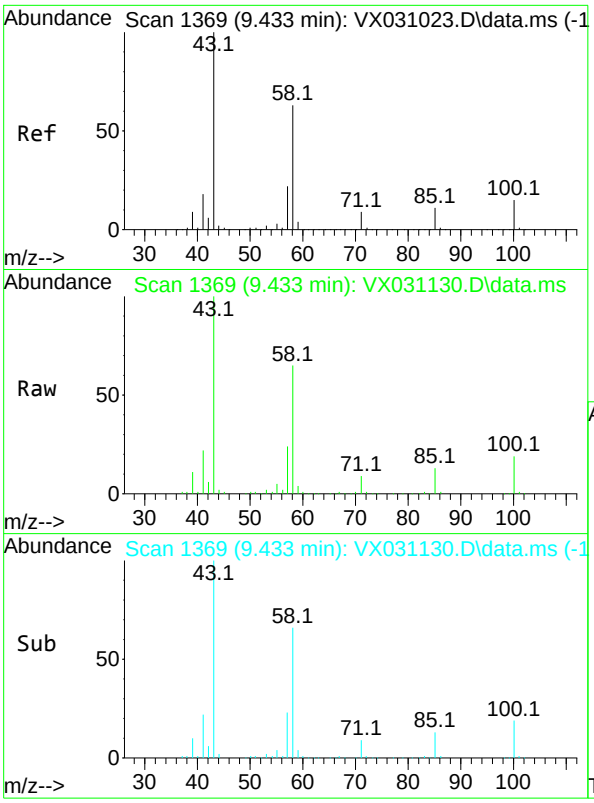


#56
Ethyl methacrylate
Concen: 0.200 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.006 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Tgt Ion: 69 Resp: 817

Ion	Ratio	Lower	Upper
69	100		
41	0.0	52.3	78.5#
39	0.0	28.2	42.4#



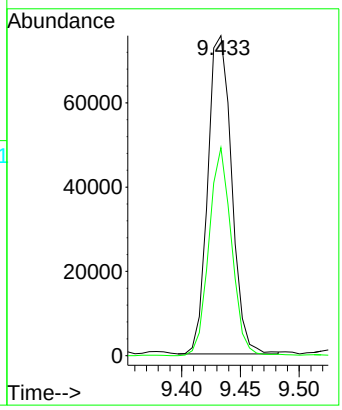


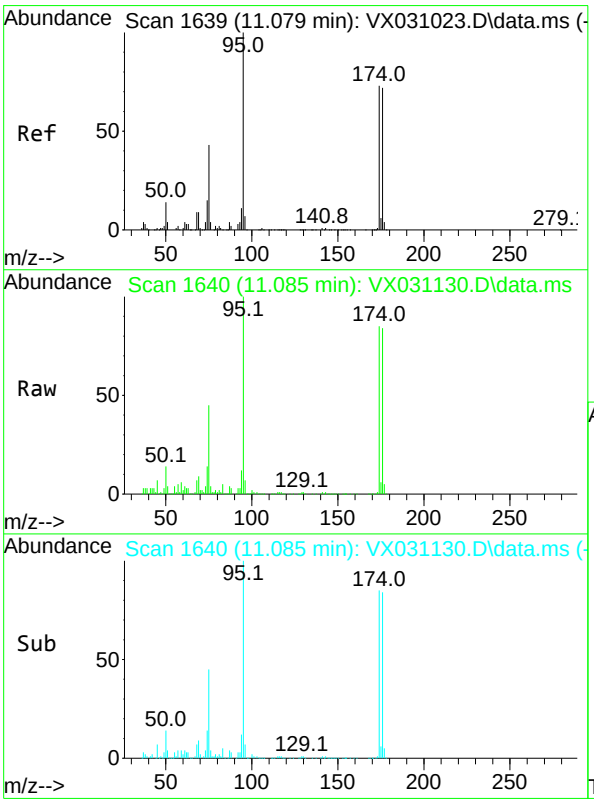
#59
2-Hexanone
Concen: 42.872 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Instrument :
MSVOA_X
ClientSampleId :
ORA-0044

Tgt Ion: 43 Resp: 106822

Ion	Ratio	Lower	Upper
43	100		
58	62.0	27.6	82.8

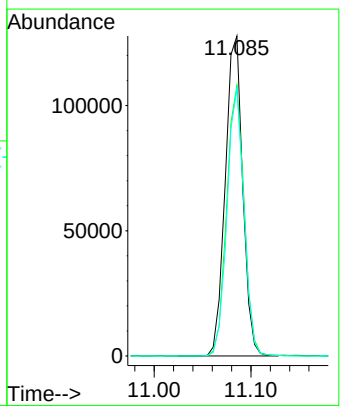


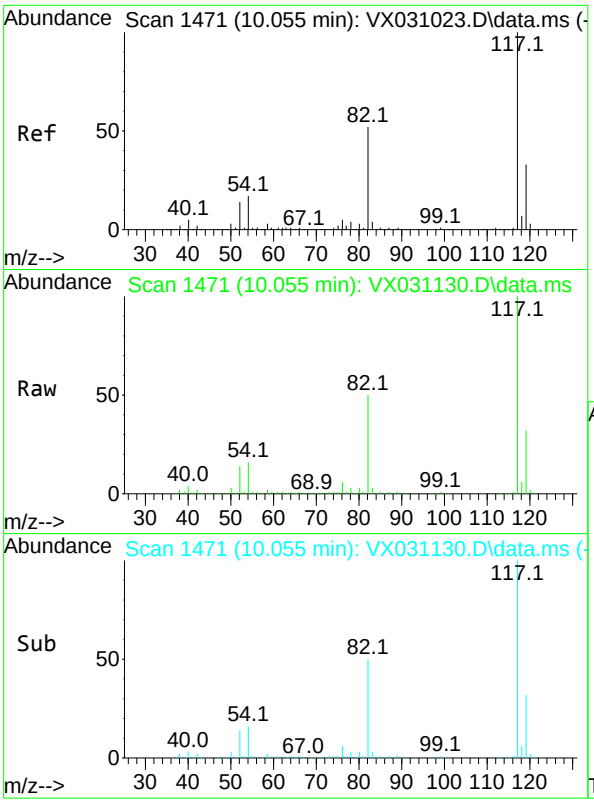


#62
4-Bromofluorobenzene
Concen: 45.583 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Tgt Ion: 95 Resp: 159668

Ion	Ratio	Lower	Upper
95	100		
174	84.5	0.0	149.0
176	81.2	0.0	146.0



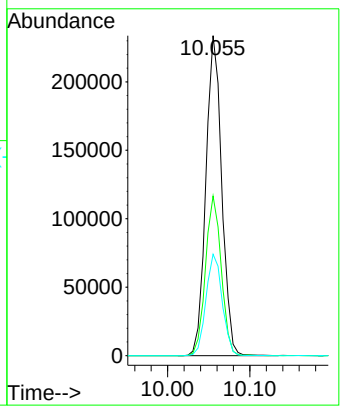


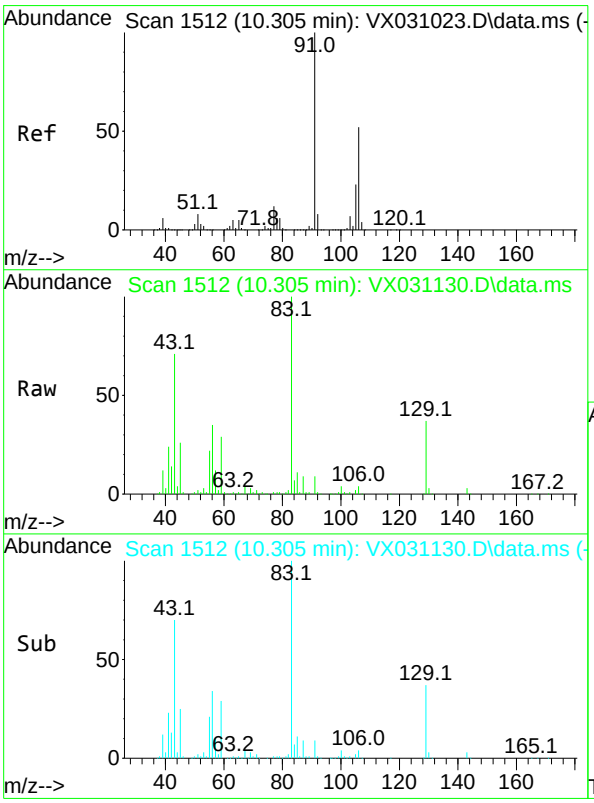
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Instrument :
MSVOA_X
ClientSampleId :
ORA-0044

Tgt Ion:117 Resp: 312998

Ion	Ratio	Lower	Upper
117	100		
82	49.9	42.7	64.1
119	31.7	25.4	38.2

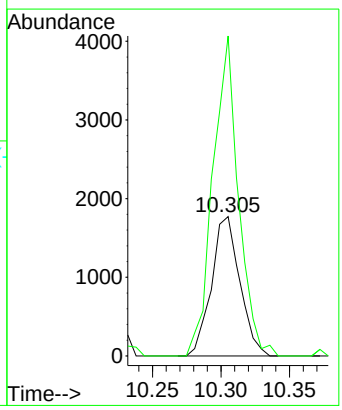


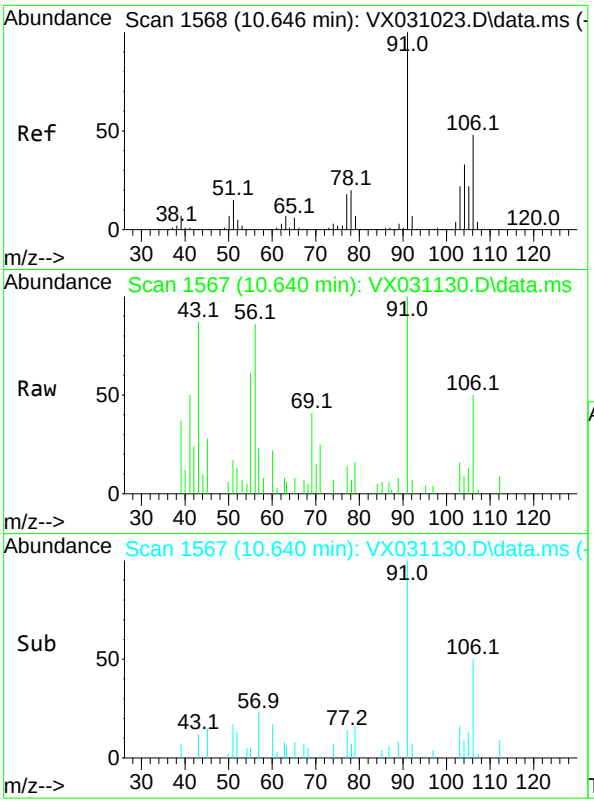


#68
m/p-Xylenes
Concen: 0.507 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Tgt Ion:106 Resp: 2545

Ion	Ratio	Lower	Upper
106	100		
91	207.8	158.2	237.4



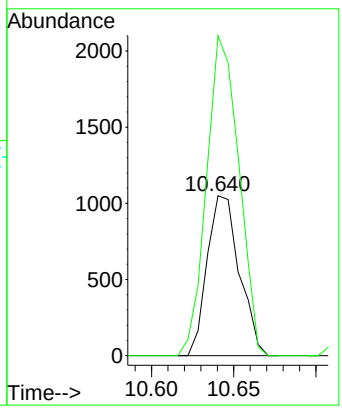


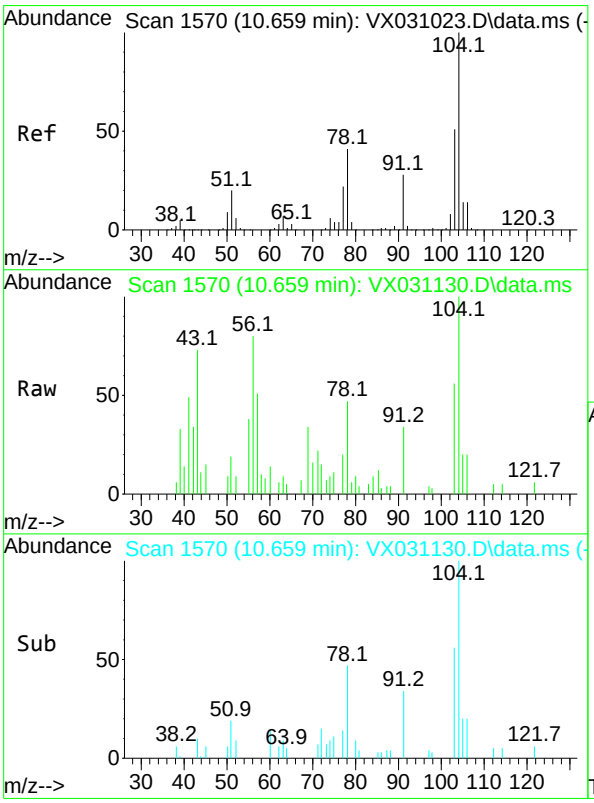
#69
o-Xylene
Concen: 0.291 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Instrument :
MSVOA_X
ClientSampleId :
ORA-0044

Tgt Ion:106 Resp: 1432

Ion	Ratio	Lower	Upper
106	100		
91	201.0	103.8	311.6

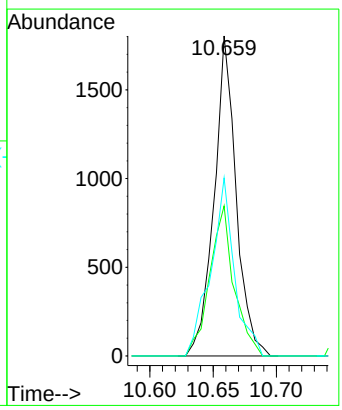


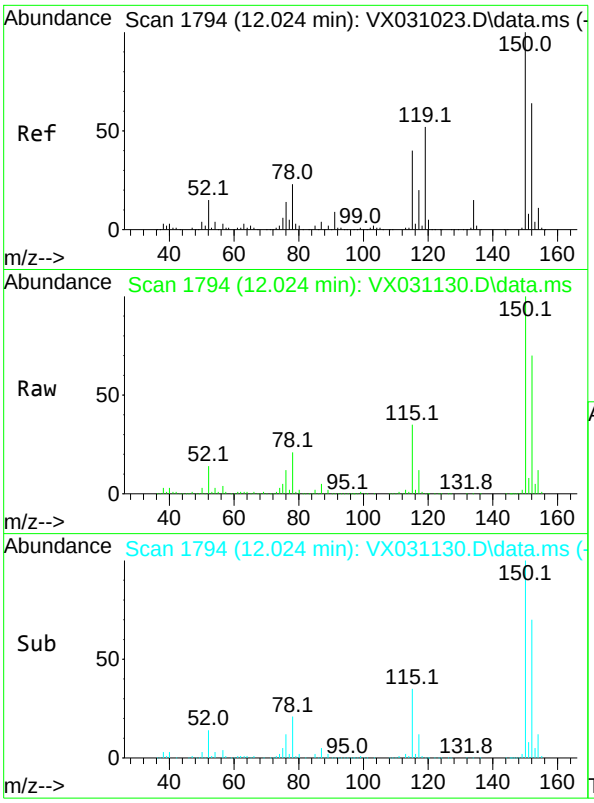


#70
Styrene
Concen: 0.274 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. -0.000 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Tgt Ion:104 Resp: 2182

Ion	Ratio	Lower	Upper
104	100		
78	51.9	37.8	56.8
103	59.8	44.5	66.7



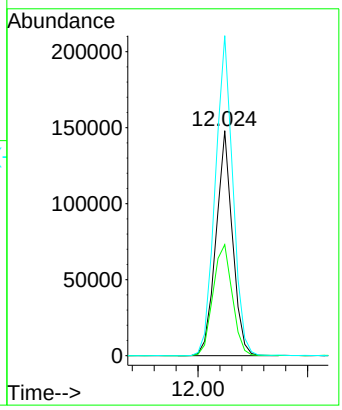


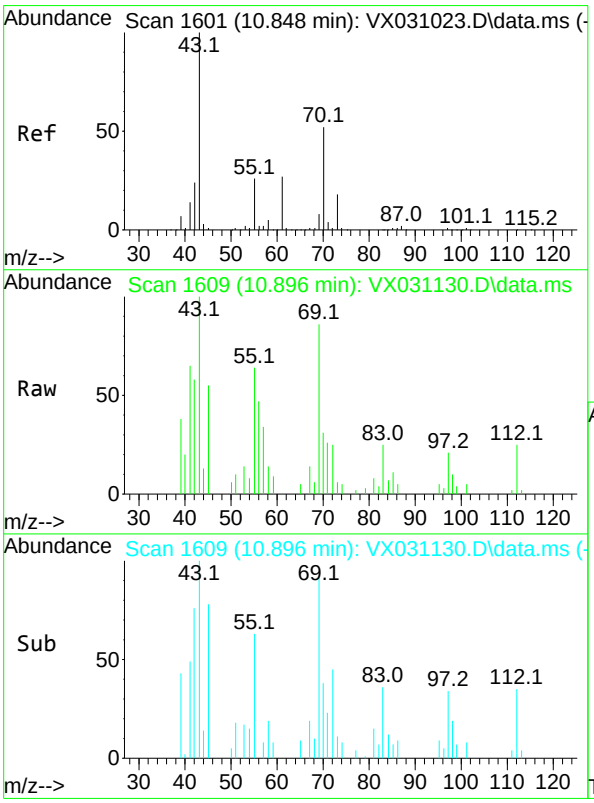
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Instrument :
MSVOA_X
ClientSampleId :
ORA-0044

Tgt Ion:152 Resp: 155340

Ion	Ratio	Lower	Upper
152	100		
115	57.5	40.5	121.5
150	151.5	0.0	347.0

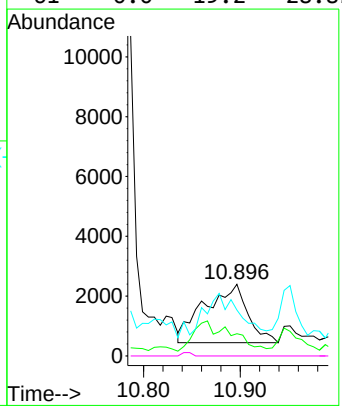


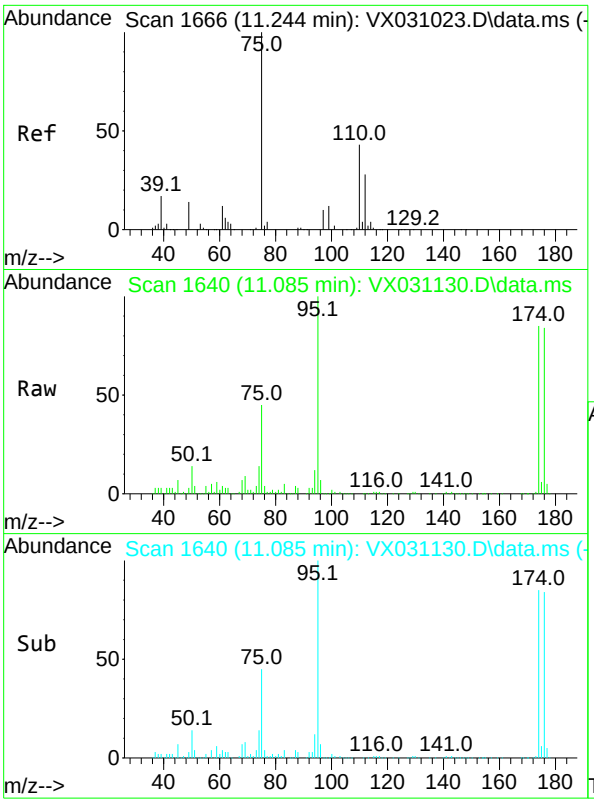


#74
N-amyl acetate
Concen: 1.606 ug/l
RT: 10.896 min Scan# 1609
Delta R.T. 0.048 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Tgt Ion: 43 Resp: 6069

Ion	Ratio	Lower	Upper
43	100		
70	0.0	32.3	48.5#
55	0.0	18.4	27.6#
61	0.0	19.2	28.8#



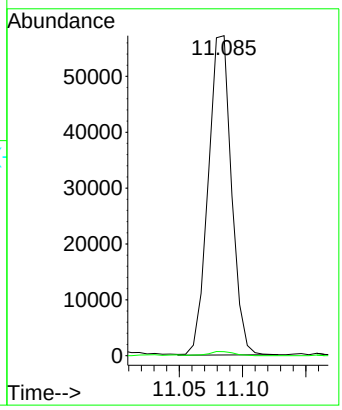


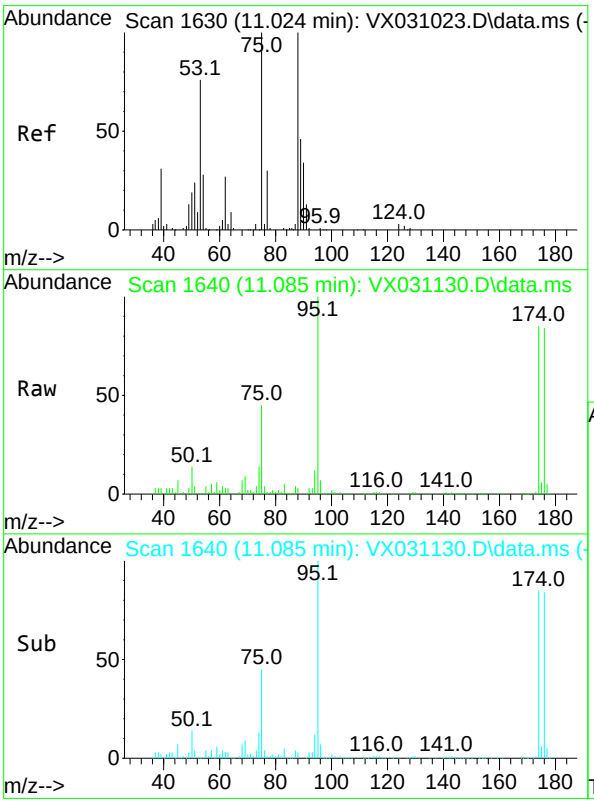
#76
1,2,3-Trichloropropane
Concen: 19.903 ug/l
RT: 11.085 min Scan# 1
Delta R.T. -0.159 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Instrument :
MSVOA_X
ClientSampleId :
ORA-0044

Tgt Ion: 75 Resp: 73086

Ion	Ratio	Lower	Upper
75	100		
77	1.4	19.8	59.3#

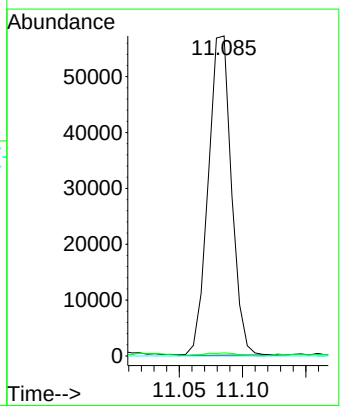


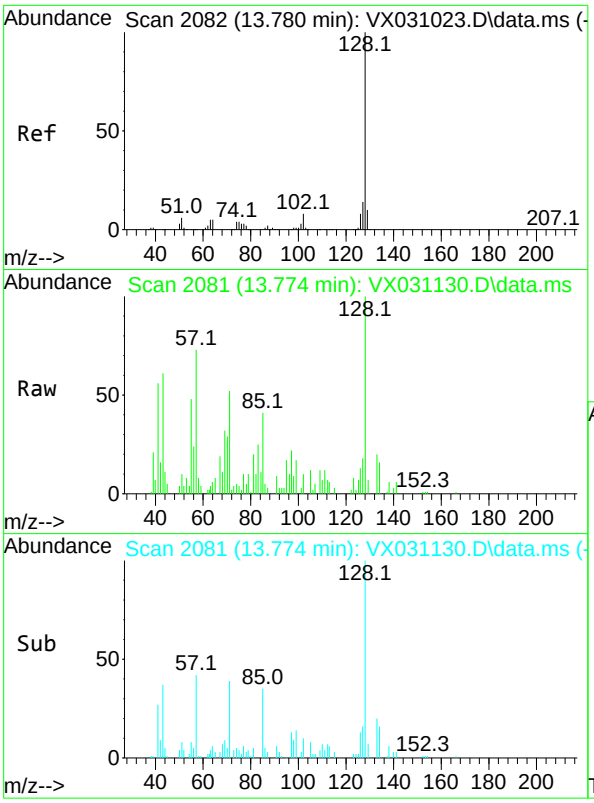


#81
trans-1,4-Dichloro-2-butene
Concen: 62.550 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Tgt Ion: 75 Resp: 73086

Ion	Ratio	Lower	Upper
75	100		
53	1.4	74.2	111.4#
89	0.0	34.8	52.2#





#95
Naphthalene
Concen: 0.380 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX031130.D
Acq: 06 Sep 2022 16:02

Instrument :
MSVOA_X
ClientSampleId :
ORA-0044

Tgt Ion:128 Resp: 5353

Ion	Ratio	Lower	Upper
128	100		
127	17.4	10.2	15.2#
129	12.8	8.6	13.0