Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102324\
Data File : VY019993.D
Acq On : 23 Oct 2024 14:45
Operator : SY/MD
Sample : P4471-02
Misc : 3.80g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Oct 23 23:08:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

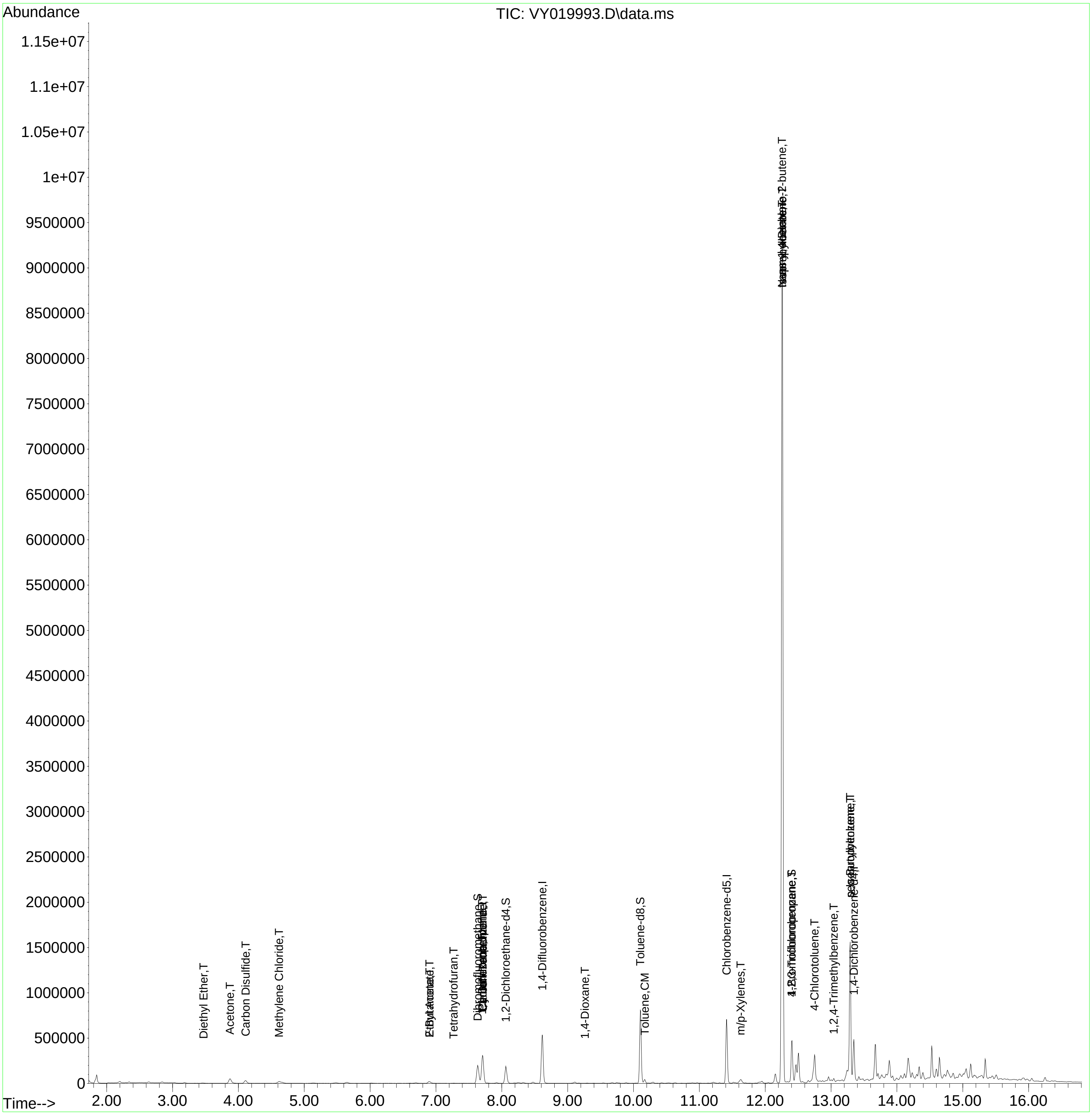
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.707	168	211103	50.000 ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	422929	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.414	117	336247	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	95105	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.061	65	137413	52.865 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.740%		
35) Dibromofluoromethane	7.634	113	136178	48.794 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.580%		
50) Toluene-d8	10.103	98	510827	49.565 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.120%		
62) 4-Bromofluorobenzene	12.401	95	129366	34.739 ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 69.480%		
Target Compounds					Qvalue
8) Diethyl Ether	3.470	74	1436	1.128 ug/l	61
11) Tert butyl alcohol	4.860	59	1195	Below Cal #	88
16) Acetone	3.872	43	91027	134.528 ug/l #	86
17) Carbon Disulfide	4.110	76	58543	9.644 ug/l	98
20) Methylene Chloride	4.616	84	12601	4.303 ug/l #	67
25) 2-Butanone	6.902	43	34019	37.561 ug/l #	83
29) Tetrahydrofuran	7.268	42	892	1.725 ug/l #	85
31) Cyclohexane	7.707	56	9336	2.150 ug/l #	50
36) 1,1-Dichloropropene	7.701	75	21069	5.240 ug/l #	49
37) Ethyl Acetate	6.902	43	34019	16.226 ug/l #	67
38) Carbon Tetrachloride	7.713	117	23114	5.362 ug/l #	16
49) 1,4-Dioxane	9.262	88	416	22.336 ug/l #	28
52) Toluene	10.170	92	16003	2.107 ug/l	94
68) m/p-Xylenes	11.627	106	8079	1.566 ug/l	79
73) Isopropylbenzene	12.261	105	346599	43.327 ug/l #	60
74) N-amyl acetate	12.255	43	198859	93.857 ug/l #	15
76) 1,2,3-Trichloropropane	12.401	75	76972	41.314 ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.255	75	13989	30.307 ug/l #	1
82) 4-Chlorotoluene	12.749	91	9073	1.601 ug/l #	41
84) 1,2,4-Trimethylbenzene	13.041	105	15636	2.441 ug/l	92
85) sec-Butylbenzene	13.291	105	31133	3.600 ug/l #	1
86) p-Isopropyltoluene	13.291	119	759982	108.235 ug/l	94

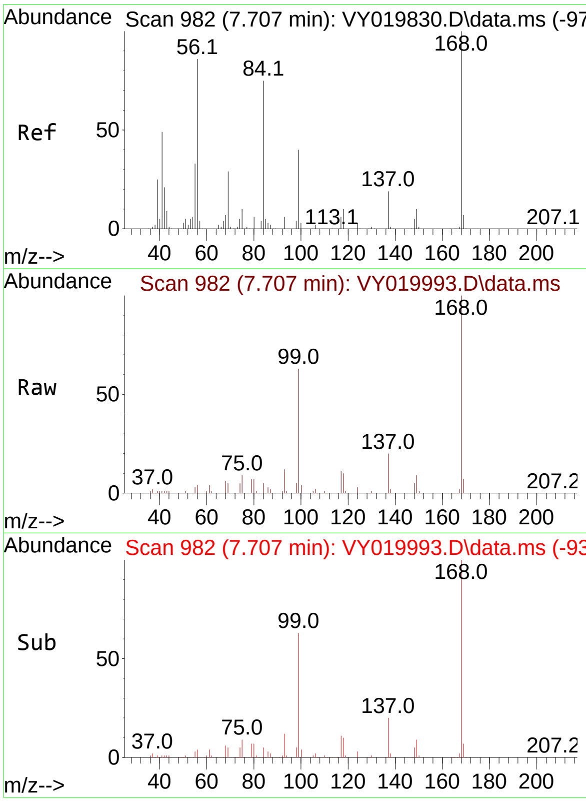
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102324\
Data File : VY019993.D
Acq On   : 23 Oct 2024 14:45
Operator : SY/MD
Sample   : P4471-02
Misc   : 3.80g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10   Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Oct 23 23:08:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration



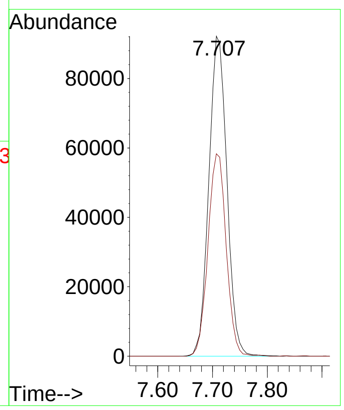


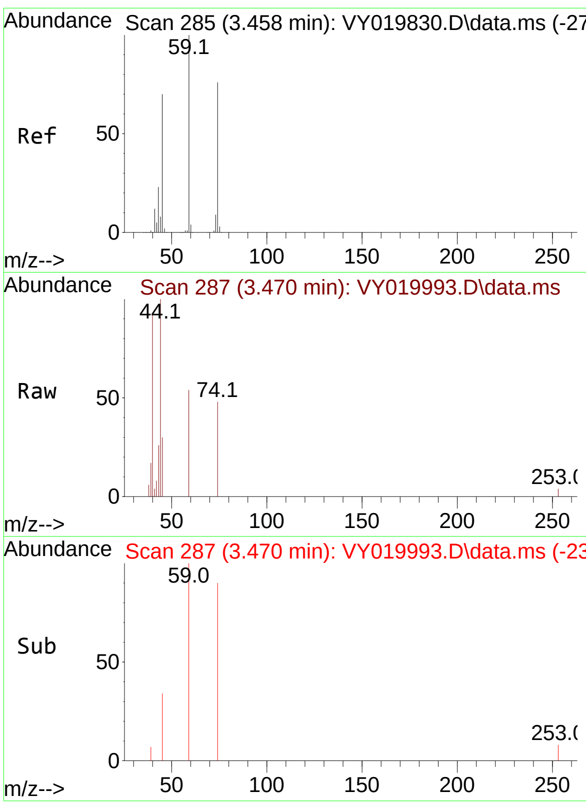
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min   Scan# 9
Delta R.T.   0.000 min
Lab File: VY019993.D
Acq: 23 Oct 2024   14:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 211103

Ion	Ratio	Lower	Upper
168	100		
99	63.3	39.1	58.7#

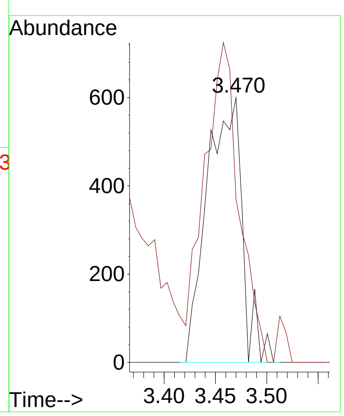


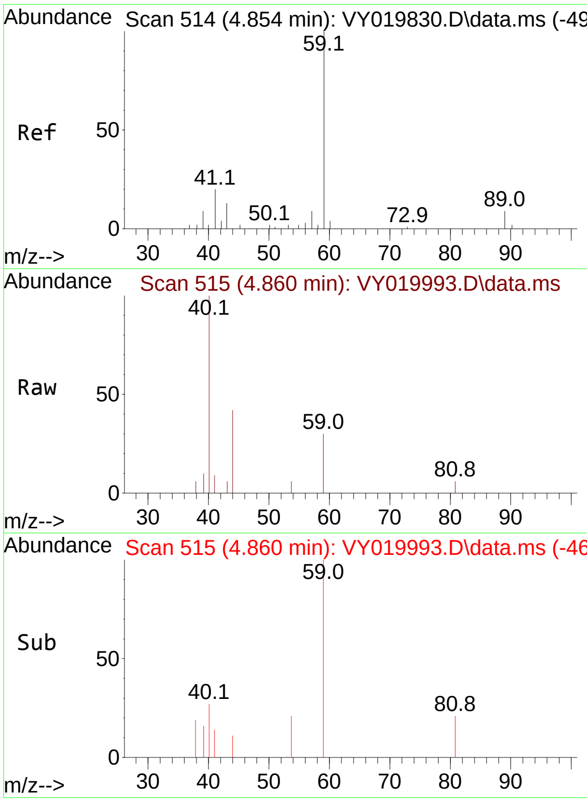


#8
Diethyl Ether
Concen: 1.128 ug/l
RT: 3.470 min   Scan# 287
Delta R.T.   0.012 min
Lab File: VY019993.D
Acq: 23 Oct 2024   14:45

Tgt Ion: 74 Resp: 1436

Ion	Ratio	Lower	Upper
74	100		
45	118.1	41.3	124.1



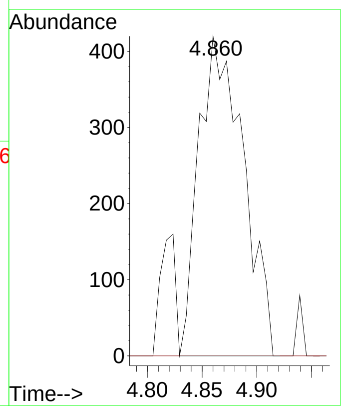


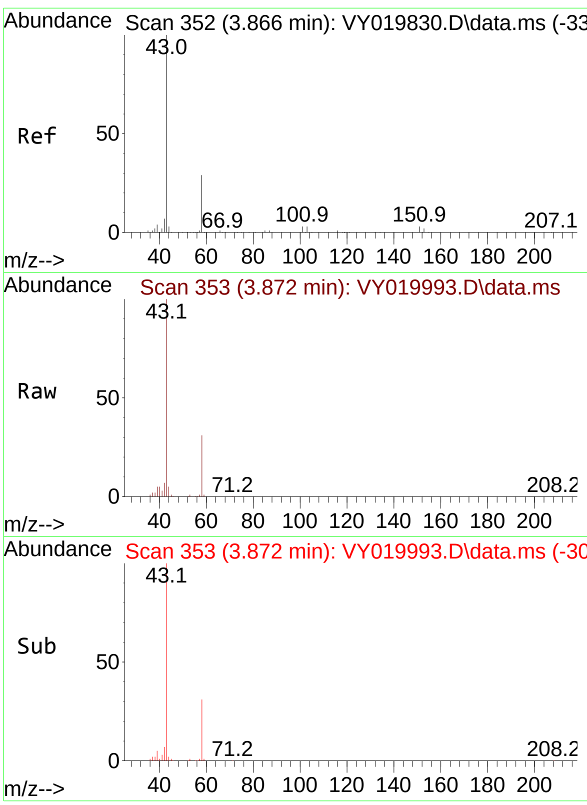
#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.860 min   Scan# 51
Delta R.T.   -0.000 min
Lab File: VY019993.D
Acq: 23 Oct 2024   14:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 59 Resp: 1195

Ion	Ratio	Lower	Upper
59	100		
57	0.0	3.0	4.6#

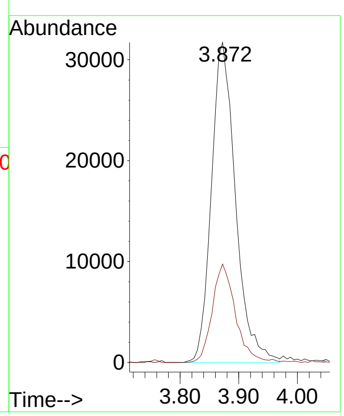


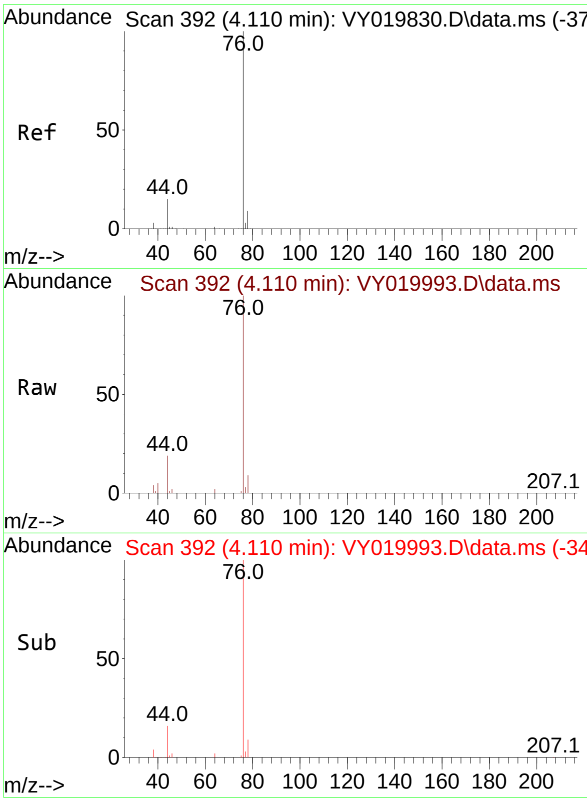


#16
Acetone
Concen: 134.528 ug/l
RT: 3.872 min   Scan# 353
Delta R.T.   0.000 min
Lab File: VY019993.D
Acq: 23 Oct 2024   14:45

Tgt Ion: 43 Resp: 91027

Ion	Ratio	Lower	Upper
43	100		
58	30.8	31.7	47.5#



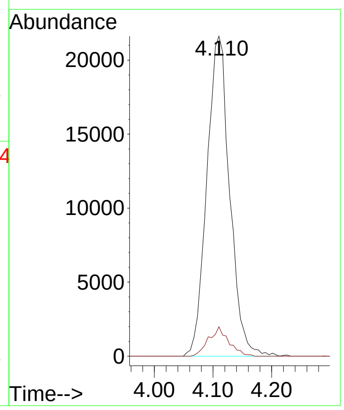


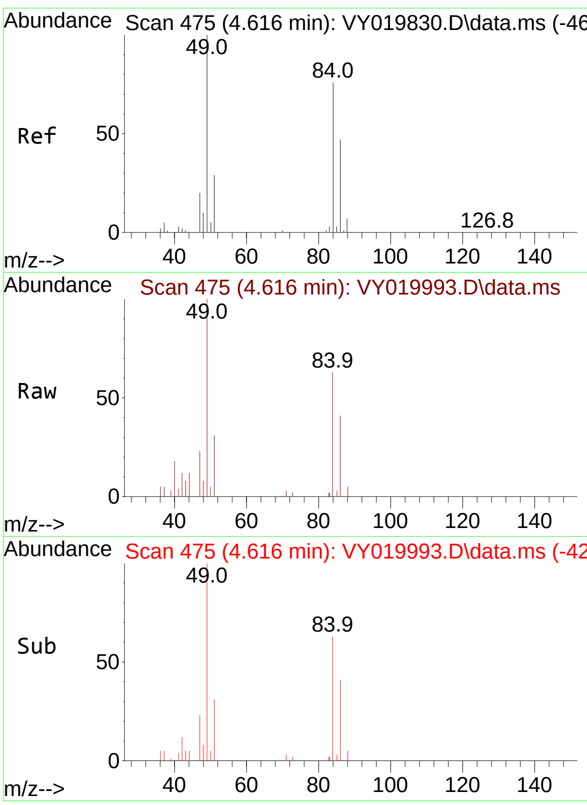
#17
Carbon Disulfide
Concen: 9.644 ug/l
RT: 4.110 min Scan# 39
Delta R.T. 0.006 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 76 Resp: 58543

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.8	10.2

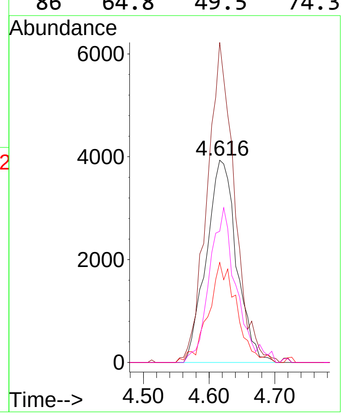


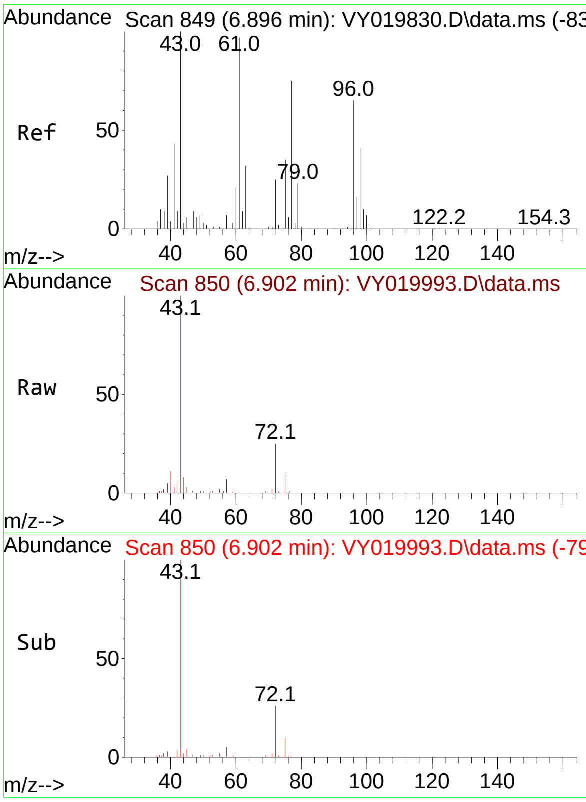


#20
Methylene Chloride
Concen: 4.303 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Tgt Ion: 84 Resp: 12601

Ion	Ratio	Lower	Upper
84	100		
49	158.2	84.4	126.6#
51	49.5	26.0	39.0#
86	64.8	49.5	74.3



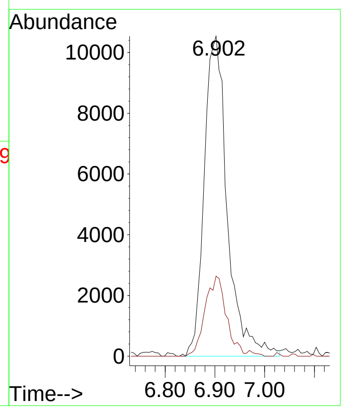


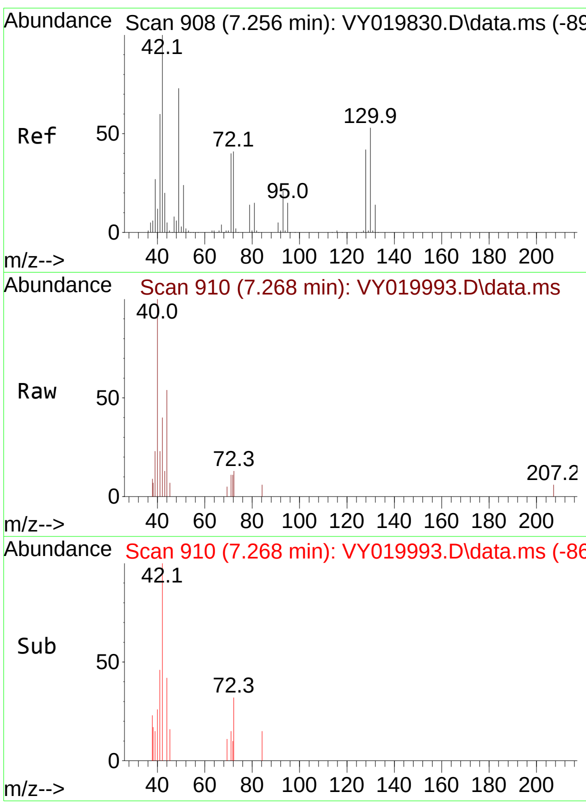
#25
2-Butanone
Concen: 37.561 ug/l
RT: 6.902 min   Scan# 8
Delta R.T.   0.012 min
Lab File: VY019993.D
Acq: 23 Oct 2024   14:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 34019

Ion	Ratio	Lower	Upper
43	100		
72	24.5	27.3	40.9#

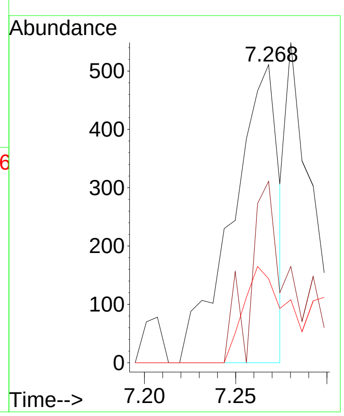


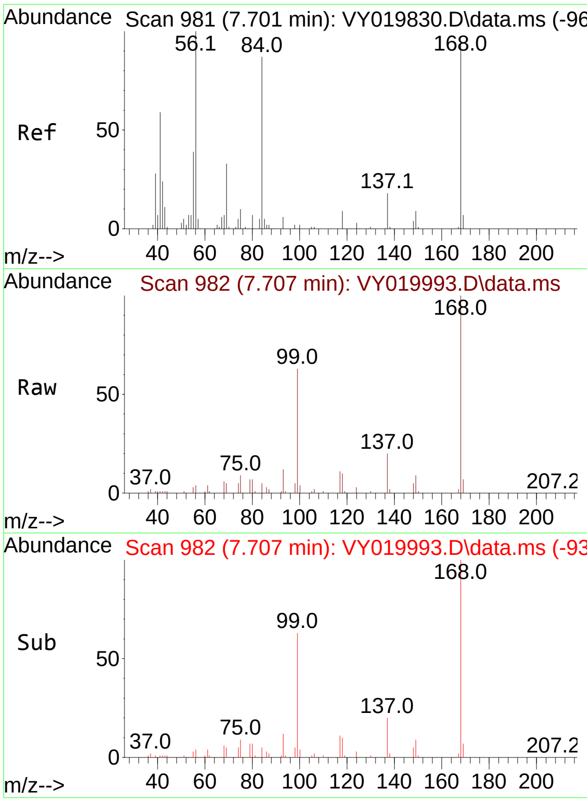


#29
Tetrahydrofuran
Concen: 1.725 ug/l
RT: 7.268 min   Scan# 910
Delta R.T.   0.006 min
Lab File: VY019993.D
Acq: 23 Oct 2024   14:45

Tgt Ion: 42 Resp: 892

Ion	Ratio	Lower	Upper
42	100		
72	53.5	43.0	64.4
71	29.8	40.8	61.2#



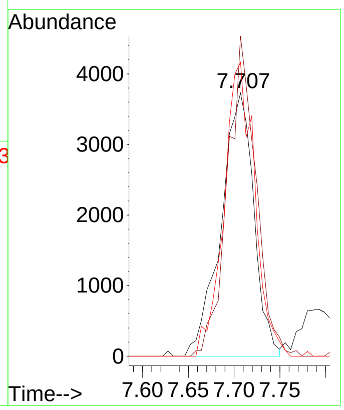


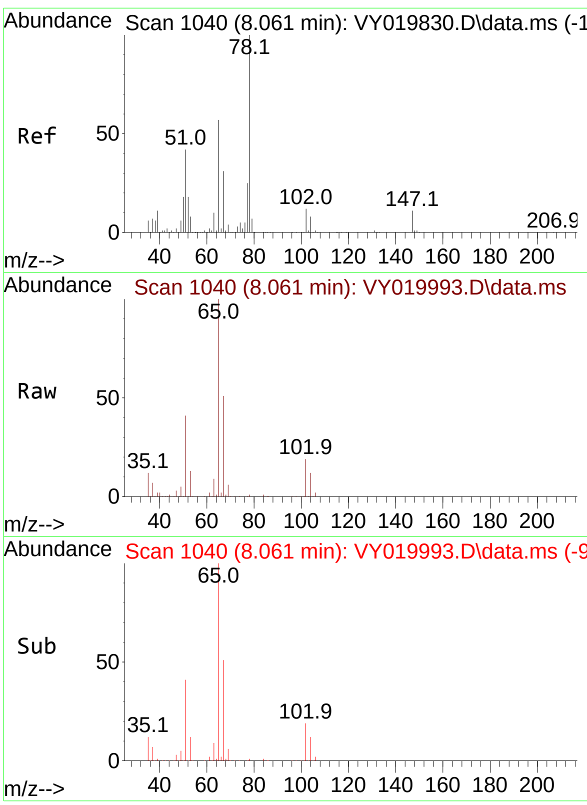
#31
Cyclohexane
Concen: 2.150 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 56 Resp: 9336

Ion	Ratio	Lower	Upper
56	100		
69	121.6	28.7	43.1#
84	111.6	77.7	116.5

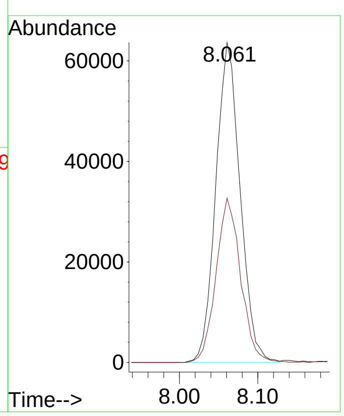


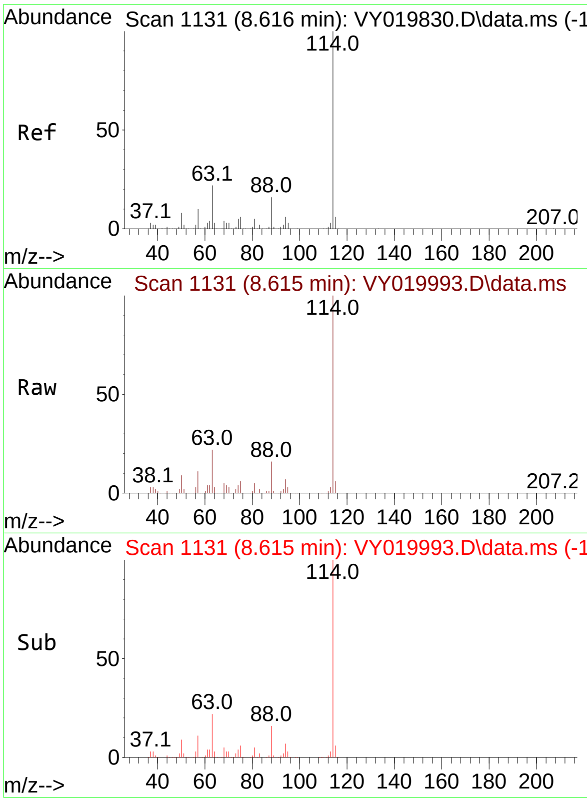


#33
1,2-Dichloroethane-d4
Concen: 52.865 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Tgt Ion: 65 Resp: 137413

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	109.6





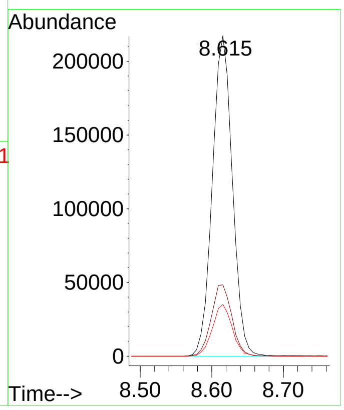
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1

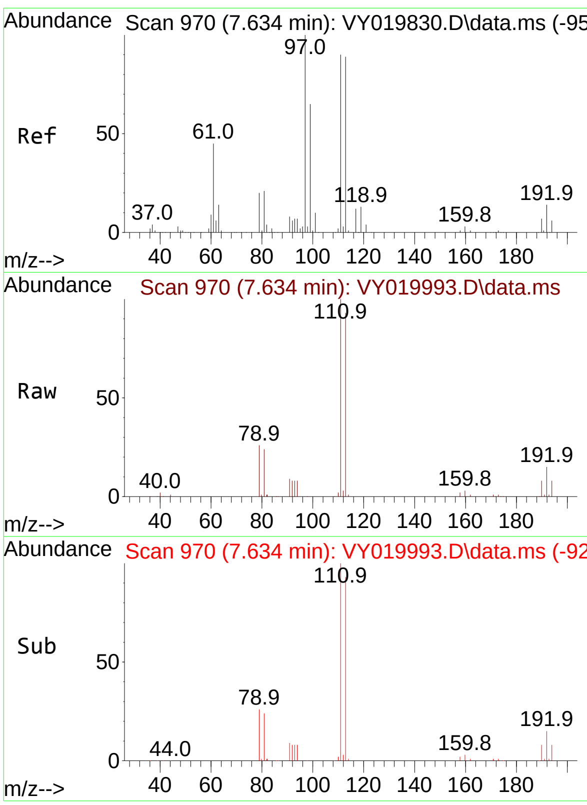
Instrument :
MSVOA_Y
ClientSampleId :

Delta R.T. 0.000 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Tgt Ion:114 Resp: 422929

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	35.0
88	16.2	0.0	27.2

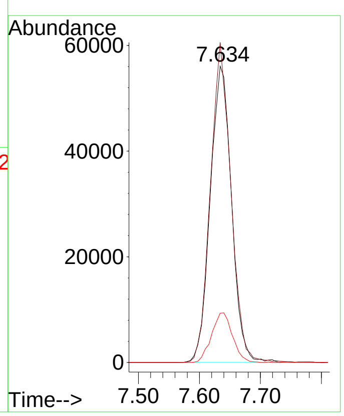


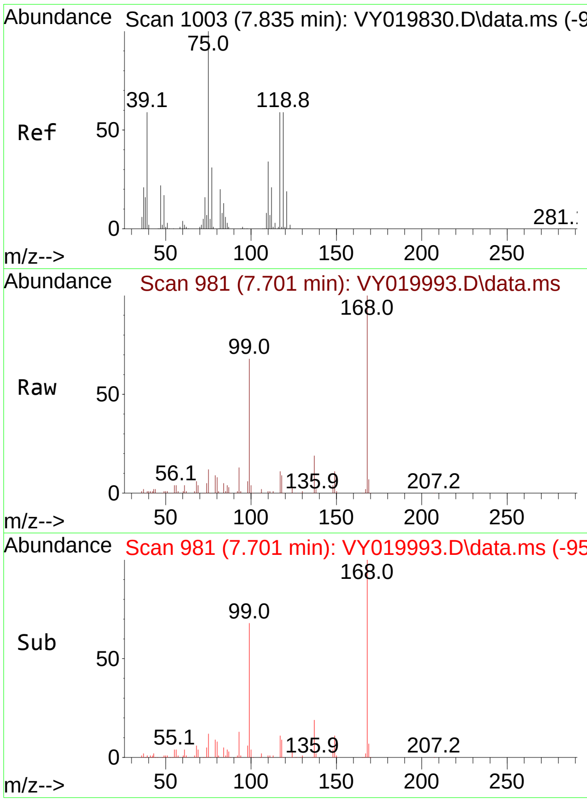


#35
Dibromofluoromethane
Concen: 48.794 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Tgt Ion:113 Resp: 136178

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.2	123.4
192	16.4	15.9	23.9



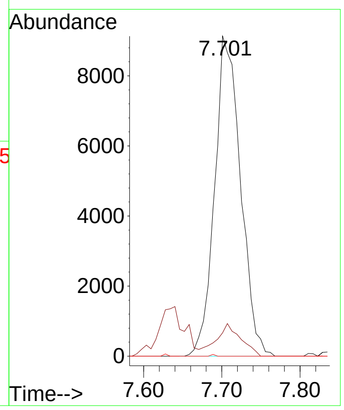


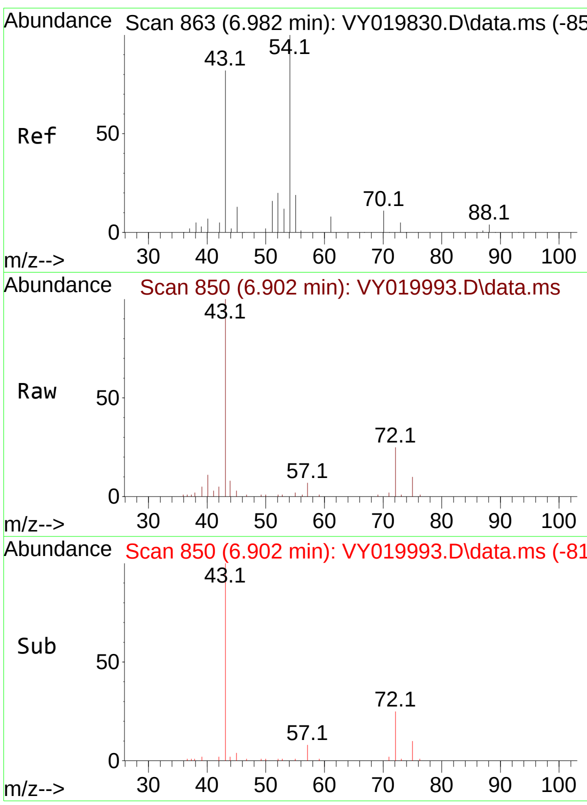
#36
1,1-Dichloropropene
Concen: 5.240 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.134 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 21069

Ion	Ratio	Lower	Upper
75	100		
110	9.7	19.0	57.0#
77	0.1	25.3	37.9#

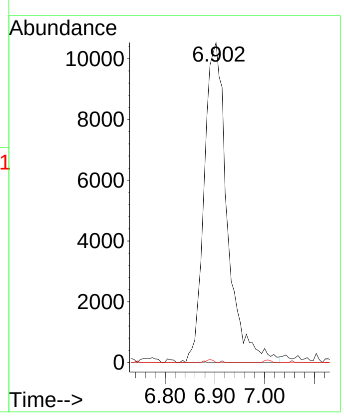


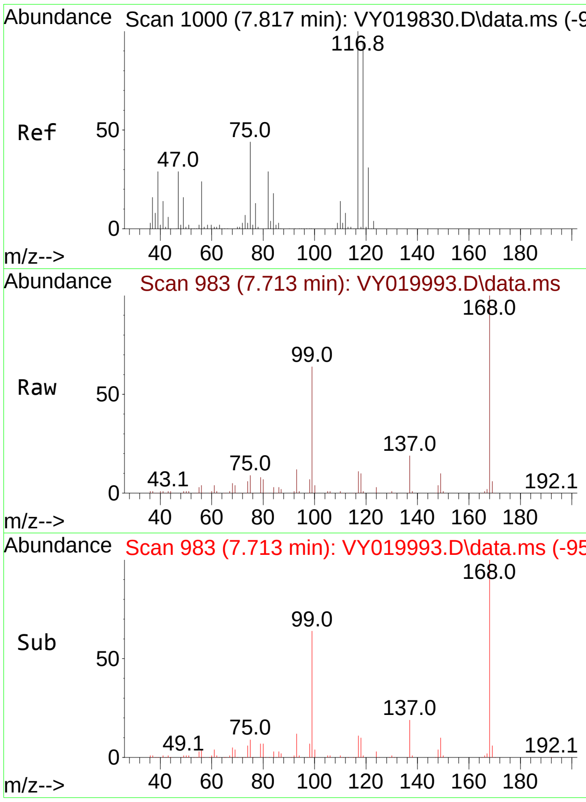


#37
Ethyl Acetate
Concen: 16.226 ug/l
RT: 6.902 min Scan# 850
Delta R.T. -0.079 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Tgt Ion: 43 Resp: 34019

Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.6	19.0#
70	0.3	7.8	11.8#





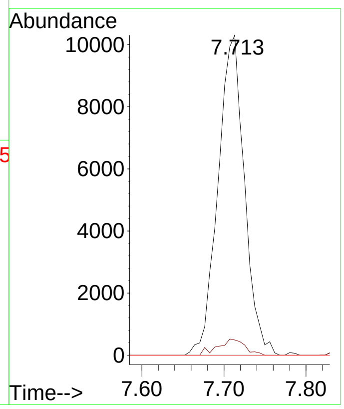
#38
Carbon Tetrachloride
Concen: 5.362 ug/l
RT: 7.713 min Scan# 9

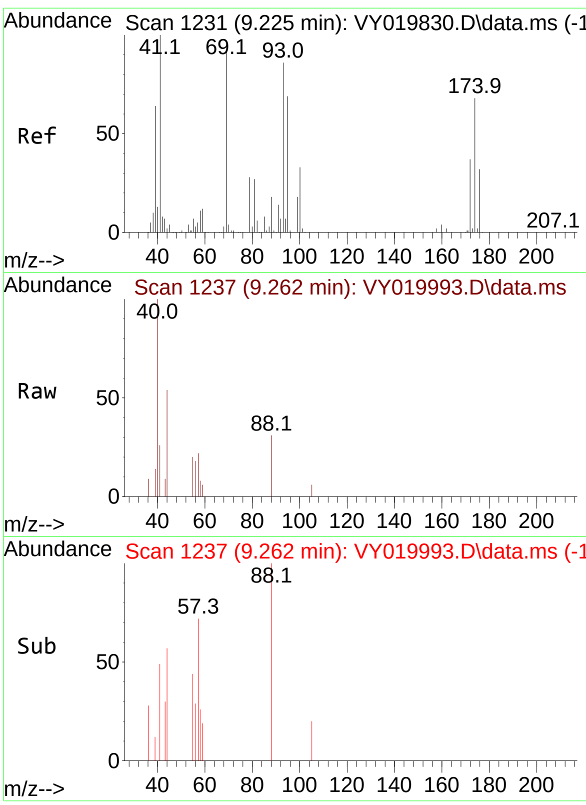
Instrument :
MSVOA_Y
ClientSampleId :

Delta R.T. -0.104 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Tgt Ion:117 Resp: 23114

Ion	Ratio	Lower	Upper
117	100		
119	4.7	75.8	113.6#
121	0.0	24.0	36.0#

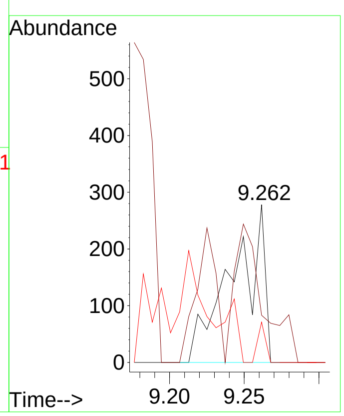


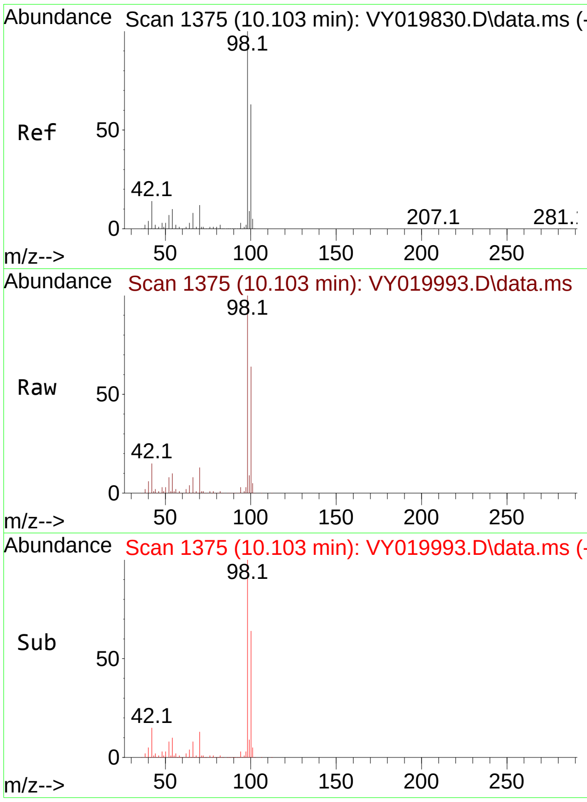


#49
1,4-Dioxane
Concen: 22.336 ug/l
RT: 9.262 min Scan# 1237
Delta R.T. 0.031 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Tgt Ion: 88 Resp: 416

Ion	Ratio	Lower	Upper
88	100		
43	80.0	0.0	0.0#
58	6.3	49.3	73.9#



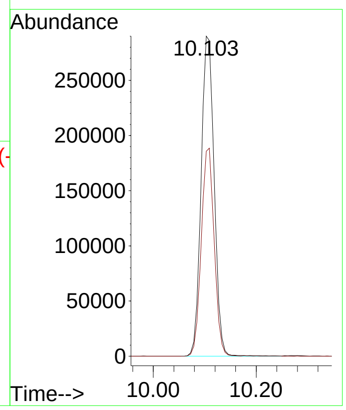


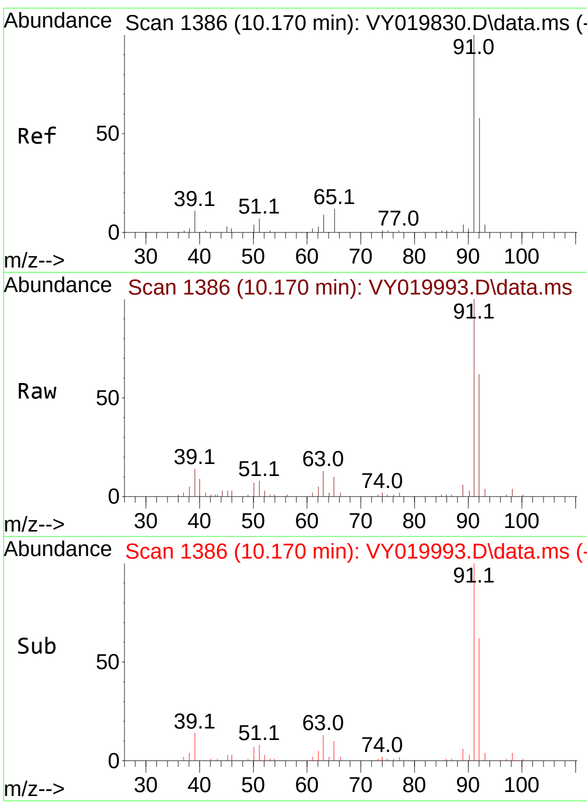
#50
Toluene-d8
Concen: 49.565 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 98 Resp: 510827

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.0	78.0

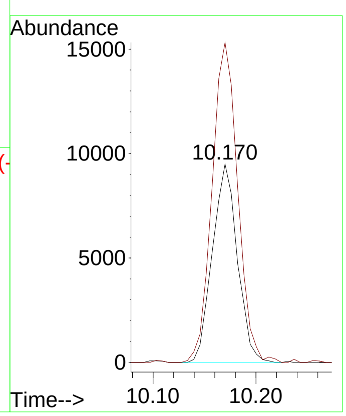


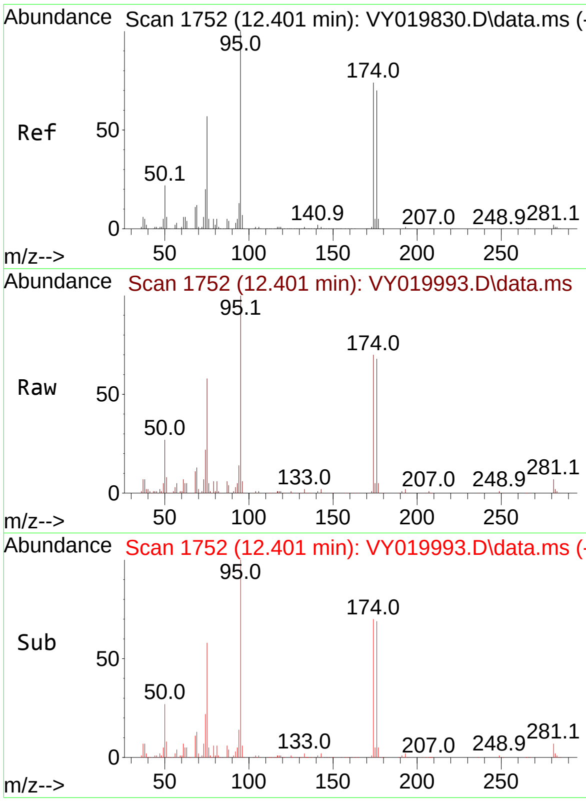


#52
Toluene
Concen: 2.107 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Tgt Ion: 92 Resp: 16003

Ion	Ratio	Lower	Upper
92	100		
91	166.0	139.0	208.6



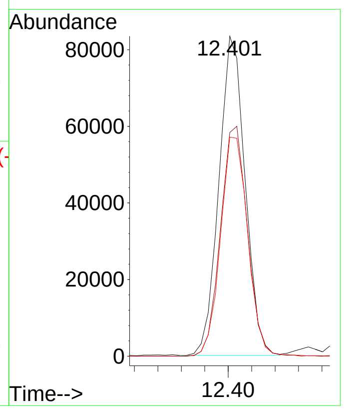


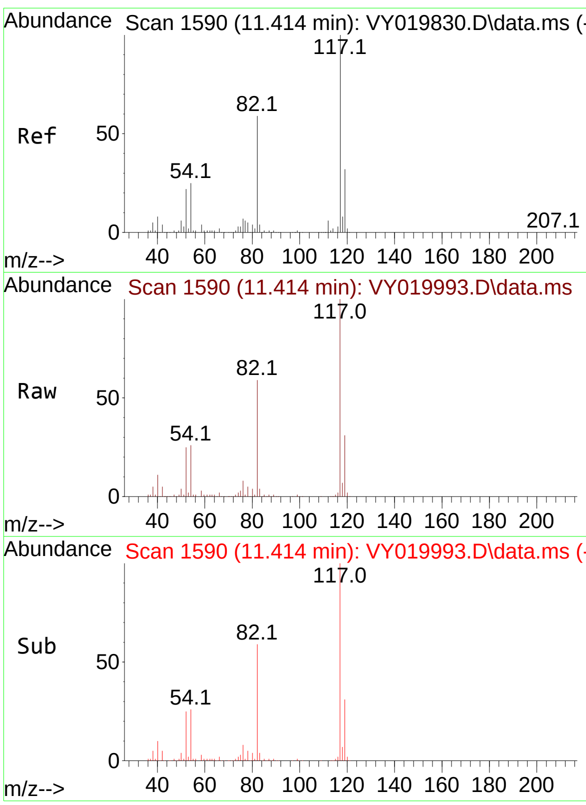
#62
4-Bromofluorobenzene
Concen: 34.739 ug/l
RT: 12.401 min Scan# 1
Delta R.T.   -0.006 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 95 Resp: 129366

Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	175.6
176	71.5	0.0	171.4

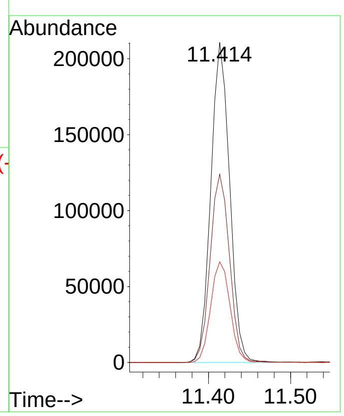


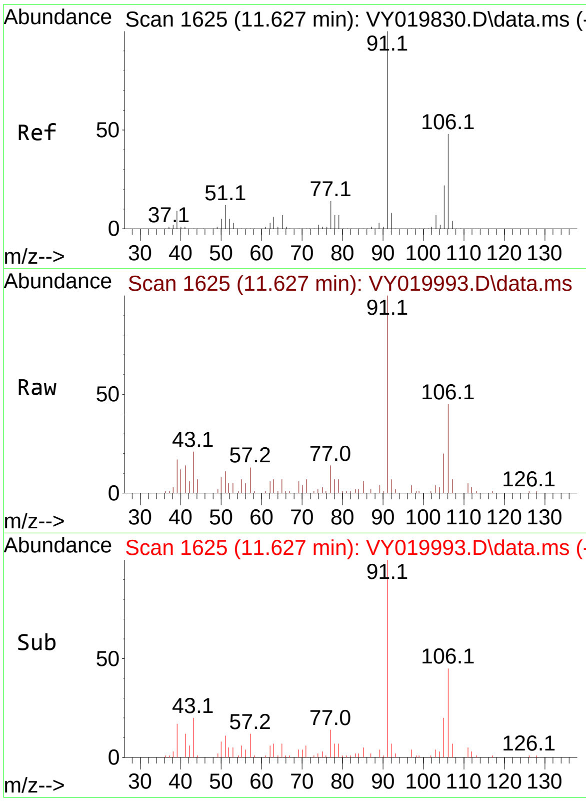


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T.   -0.006 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Tgt Ion:117 Resp: 336247

Ion	Ratio	Lower	Upper
117	100		
82	58.8	42.4	63.6
119	31.5	25.9	38.9



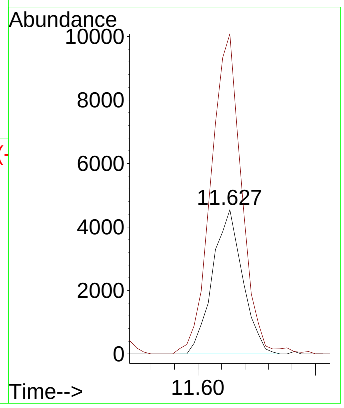


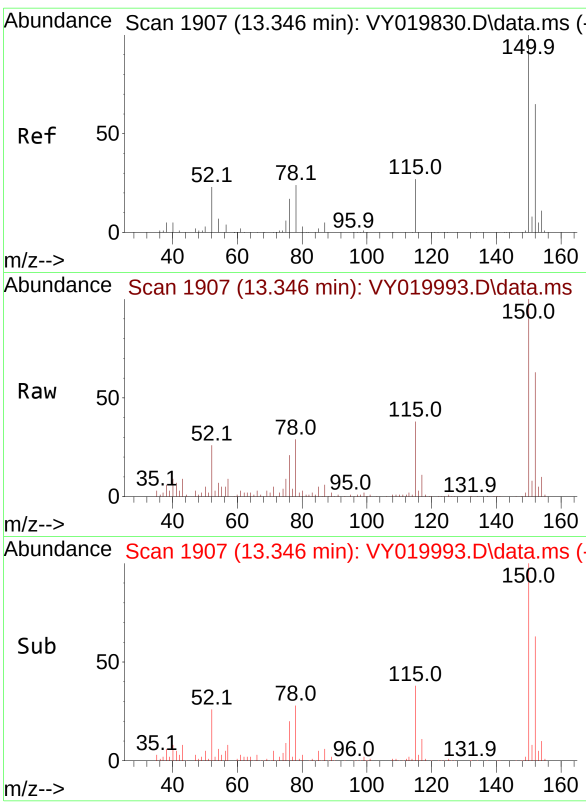
#68
m/p-Xylenes
Concen: 1.566 ug/l
RT: 11.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:106 Resp: 8079

Ion	Ratio	Lower	Upper
106	100		
91	225.9	156.0	234.0

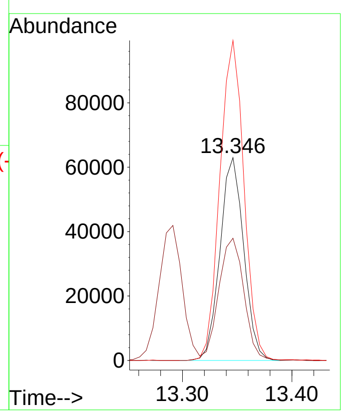


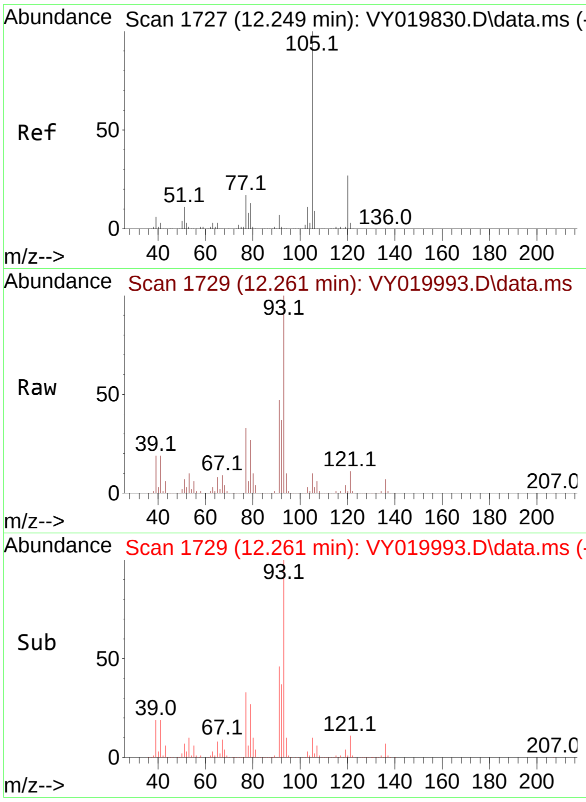


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Tgt Ion:152 Resp: 95105

Ion	Ratio	Lower	Upper
152	100		
115	63.7	28.2	84.7
150	160.0	0.0	345.6



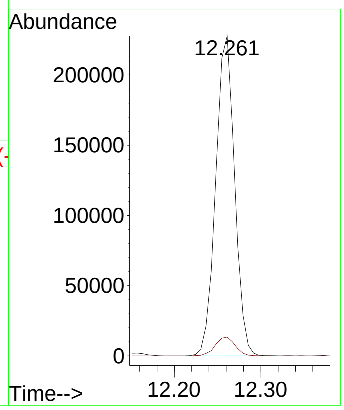


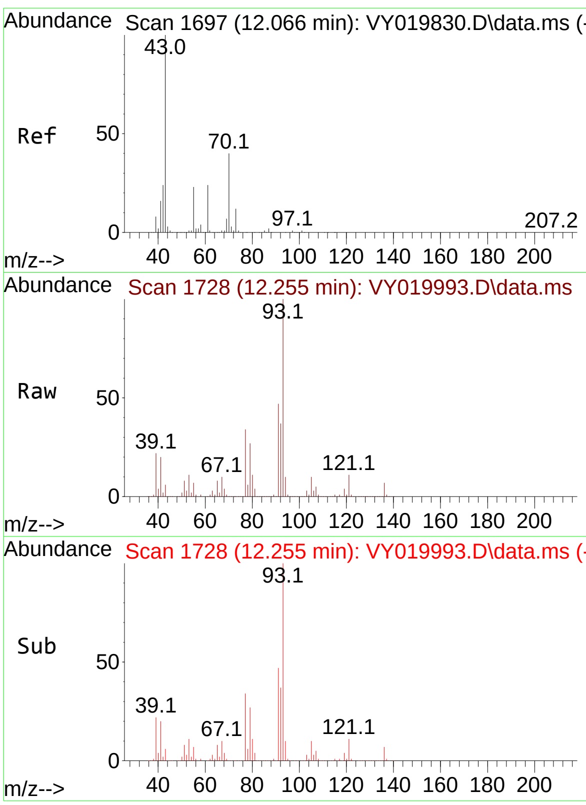
#73
Isopropylbenzene
Concen: 43.327 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:105 Resp: 346599

Ion	Ratio	Lower	Upper
105	100		
120	6.3	13.4	40.1#

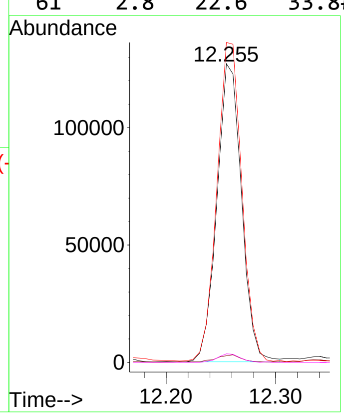


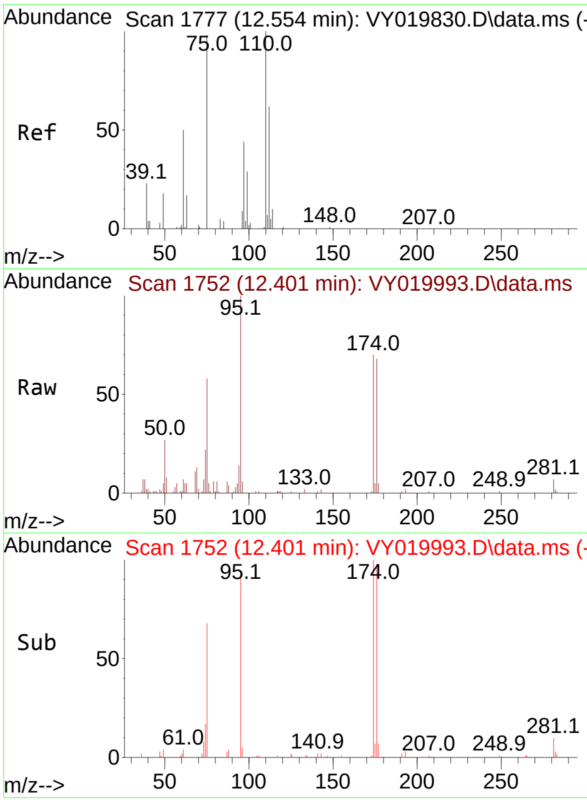


#74
N-amyl acetate
Concen: 93.857 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.183 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Tgt Ion: 43 Resp: 198859

Ion	Ratio	Lower	Upper
43	100		
70	2.4	41.4	62.2#
55	108.2	23.3	34.9#
61	2.8	22.6	33.8#



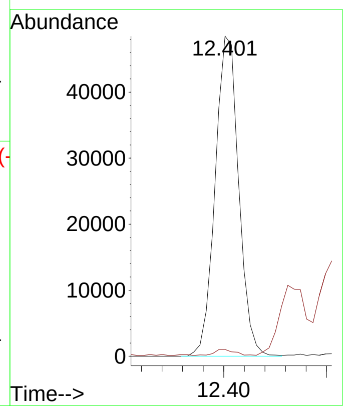


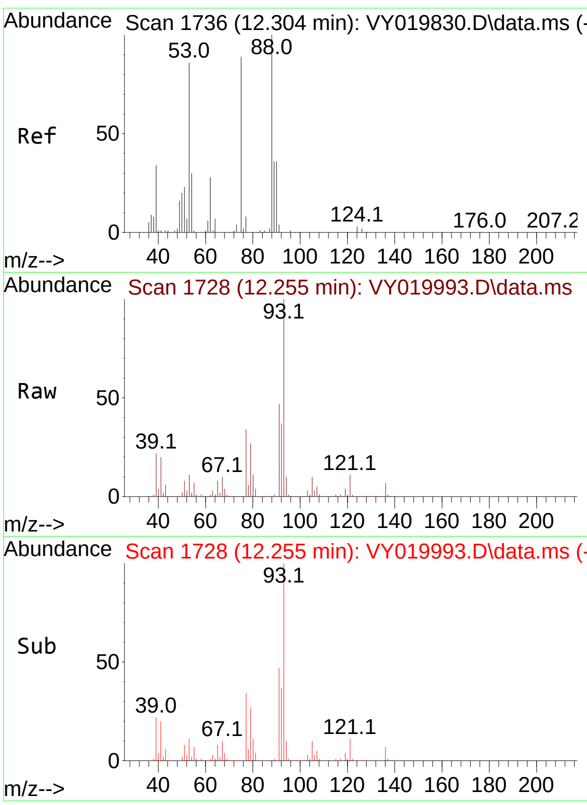
#76
1,2,3-Trichloropropane
Concen: 41.314 ug/l
RT: 12.401 min Scan# 1
Delta R.T.   -0.158 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 76972

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

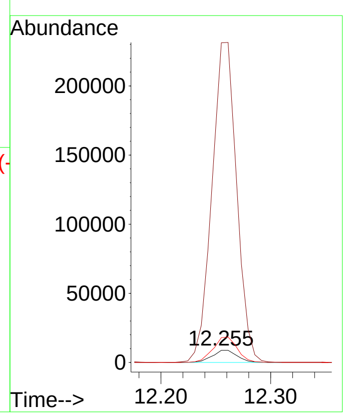


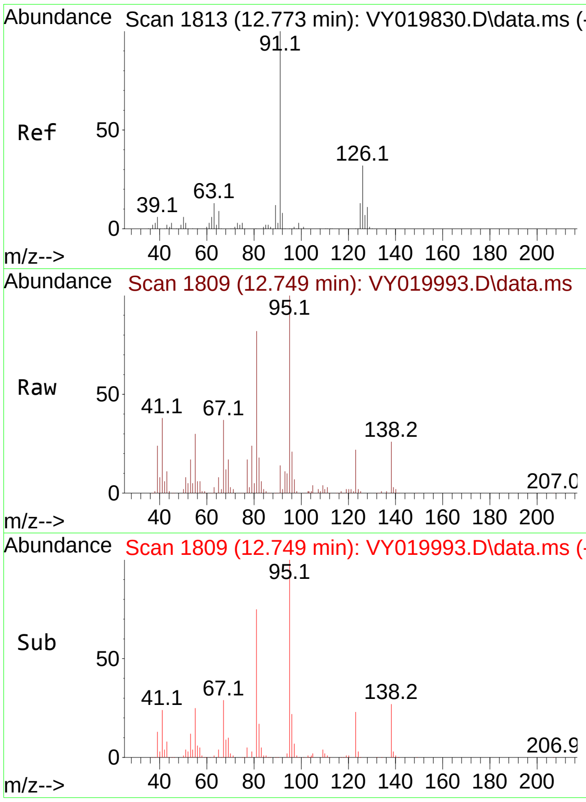


#81
trans-1,4-Dichloro-2-butene
Concen: 30.307 ug/l
RT: 12.255 min Scan# 1728
Delta R.T.   -0.049 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Tgt Ion: 75 Resp: 13989

Ion	Ratio	Lower	Upper
75	100		
53	2598.8	66.8	100.2#
89	202.4	35.8	53.6#



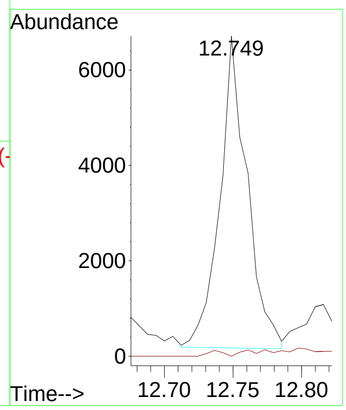


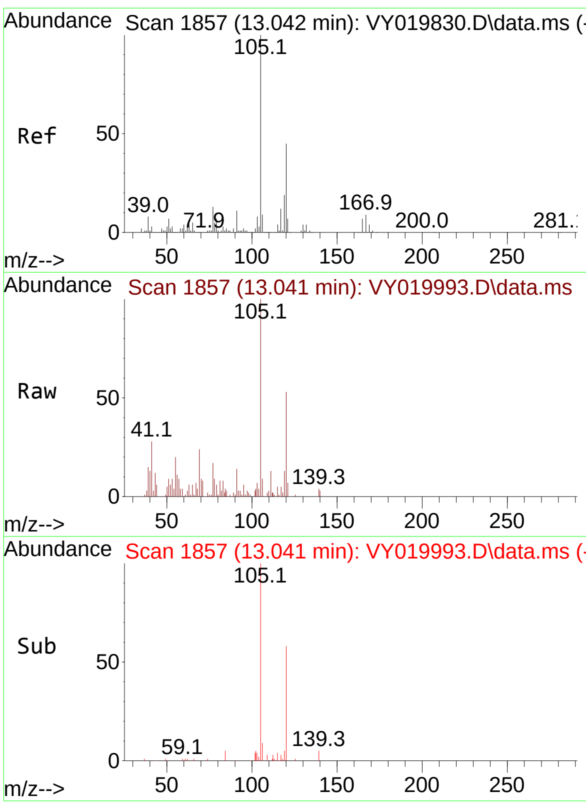
#82
4-Chlorotoluene
Concen: 1.601 ug/l
RT: 12.749 min Scan# 1
Delta R.T. -0.030 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 91 Resp: 9073

Ion	Ratio	Lower	Upper
91	100		
126	1.1	17.6	52.9#

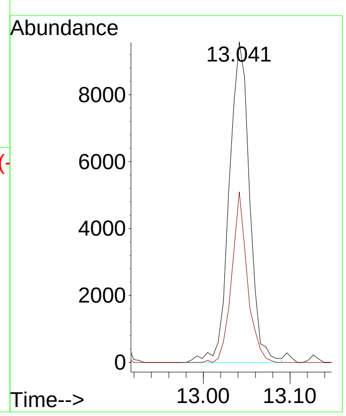


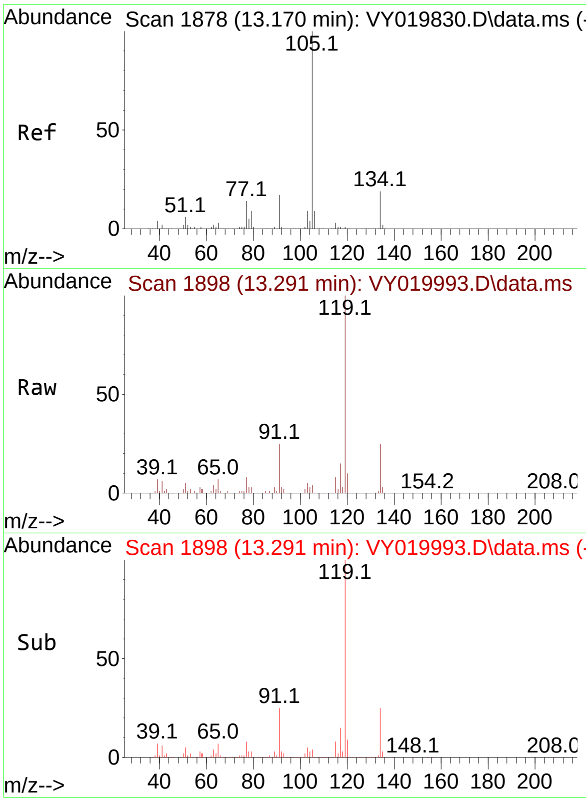


#84
1,2,4-Trimethylbenzene
Concen: 2.441 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Tgt Ion:105 Resp: 15636

Ion	Ratio	Lower	Upper
105	100		
120	40.9	23.2	69.6



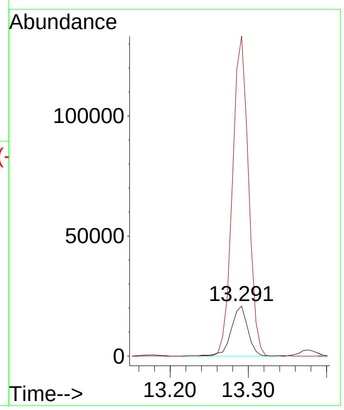


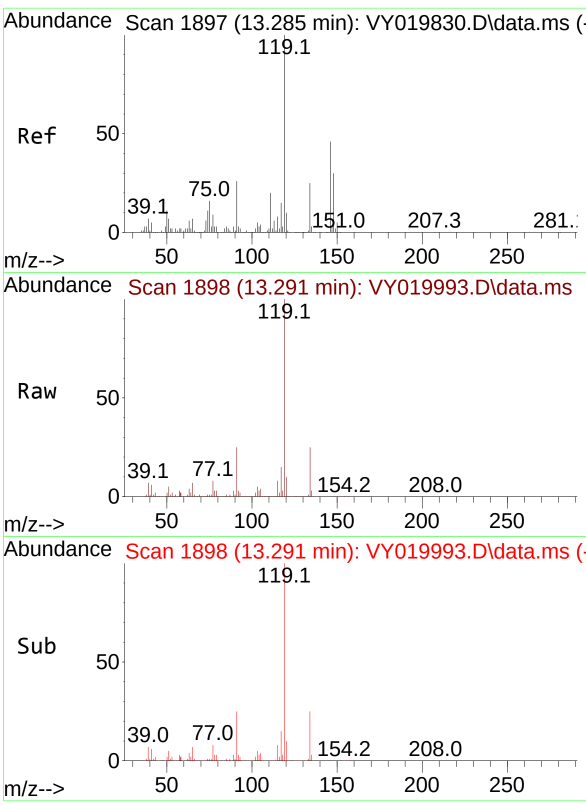
#85
sec-Butylbenzene
Concen: 3.600 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.116 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:105 Resp: 31133

Ion	Ratio	Lower	Upper
105	100		
134	607.7	10.1	30.1#





#86
p-Isopropyltoluene
Concen: 108.235 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Tgt Ion:119 Resp: 759982

Ion	Ratio	Lower	Upper
119	100		
134	24.9	13.1	39.3
91	26.0	10.7	32.1