Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122619\
Data File : VD064624.D
Acq On : 27 Dec 2019 04:27
Operator : VA/SY
Sample : K6439-04
Misc : 5.22G/5.00ml/MSVOA_D/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Quant Time: Dec 27 05:05:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	8778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	13089	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	12012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	5728	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	5989	77.37	ug/l	0.00
Spiked Amount 50.000			Recovery = 154.74%			
35) Dibromofluoromethane	7.93	113	4523	56.32	ug/l	0.00
Spiked Amount 50.000			Recovery = 112.64%			
50) Toluene-d8	10.34	98	14045	45.67	ug/l	0.00
Spiked Amount 50.000			Recovery = 91.34%			
62) 4-Bromofluorobenzene	12.64	95	4749	48.83	ug/l	0.00
Spiked Amount 50.000			Recovery = 97.66%			
Target Compounds						Qvalue
3) Chloromethane	2.20	50	803	8.417	ug/l #	75
4) Vinyl Chloride	2.35	62	322	2.768	ug/l #	84
5) Bromomethane	2.80	94	999	11.811	ug/l	82
7) Trichlorofluoromethane	3.29	101	345	1.761	ug/l #	81
8) Diethyl Ether	3.67	74	59	1.517	ug/l #	2
10) Methyl Iodide	4.31	142	648	7.437	ug/l #	75
12) 1,1-Dichloroethene	4.09	96	319	4.131	ug/l #	62
13) Acrolein	3.80	56	73	11.808	ug/l #	14
14) Allyl chloride	4.71	41	123	1.022	ug/l #	59
15) Acrylonitrile	5.43	53	59	3.642	ug/l #	1
16) Acetone	4.16	43	159	12.786	ug/l #	42
17) Carbon Disulfide	4.42	76	951	3.808	ug/l #	75
18) Methyl Acetate	4.72	43	129	2.960	ug/l #	51
20) Methylene Chloride	4.95	84	56	Below Cal	#	7
21) trans-1,2-Dichloroethene	5.47	96	112	1.273	ug/l #	1
22) Diisopropyl ether	6.36	45	258	1.074	ug/l #	45
23) Vinyl Acetate	6.36	43	186	1.365	ug/l #	72
24) 1,1-Dichloroethane	6.27	63	205	1.422	ug/l #	80
25) 2-Butanone	7.22	43	76	3.572	ug/l #	49
27) cis-1,2-Dichloroethene	7.21	96	223	2.349	ug/l	78
28) Bromochloromethane	7.70	49	58	1.035	ug/l #	11
29) Tetrahydrofuran	7.58	42	182	13.755	ug/l #	33
30) Chloroform	7.73	83	496	3.279	ug/l #	18
31) Cyclohexane	7.98	56	626	4.338	ug/l #	19
36) 1,1-Dichloropropene	8.12	75	731	5.802	ug/l #	60
37) Ethyl Acetate	7.30	43	74	1.495	ug/l #	70
38) Carbon Tetrachloride	7.98	117	319	2.375	ug/l #	12
39) Methylcyclohexane	9.35	83	956	6.265	ug/l #	38
40) Benzene	8.36	78	1154	3.355	ug/l #	50
41) Methacrylonitrile	7.53	41	79	2.751	ug/l #	41
42) 1,2-Dichloroethane	8.44	62	126	1.268	ug/l #	73
44) Trichloroethene	9.11	130	453	4.484	ug/l	81
48) Methyl methacrylate	9.44	41	113	2.436	ug/l #	15
51) 4-Methyl-2-Pentanone	10.24	43	217	4.457	ug/l #	37

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122619\
Data File : VD064624.D
Acq On : 27 Dec 2019 04:27
Operator : VA/SY
Sample : K6439-04
Misc : 5.22G/5.00ml/MSVOA_D/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Quant Time: Dec 27 05:05:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Toluene	10.41	92	689	3.054	ug/l		96
59) 2-Hexanone	10.98	43	132	3.994	ug/l	#	26
60) Dibromochloromethane	10.87	129	525	6.153	ug/l	#	11
64) Tetrachloroethene	10.87	164	732	7.943	ug/l		94
65) Chlorobenzene	11.67	112	858	3.442	ug/l		96
67) Ethyl Benzene	11.74	91	1099	2.429	ug/l	#	82
68) m/p-Xylenes	11.85	106	1038	5.943	ug/l		90
69) o-Xylene	12.18	106	309	1.959	ug/l		58
70) Styrene	12.20	104	588	2.123	ug/l	#	65
73) Isopropylbenzene	12.48	105	1424	3.479	ug/l	#	60
74) N-amyl acetate	12.30	43	118	1.349	ug/l	#	43
76) 1,2,3-Trichloropropane	12.64	75	3075	67.983	ug/l	#	100
78) n-propylbenzene	12.83	91	1514	3.170	ug/l		85
79) 2-Chlorotoluene	12.91	91	658	2.508	ug/l		75
80) 1,3,5-Trimethylbenzene	12.97	105	886	2.635	ug/l	#	52
81) trans-1,4-Dichloro-2-buten	12.64	75	3075	142.185	ug/l	#	10
82) 4-Chlorotoluene	12.91	91	658	2.357	ug/l		75
83) tert-Butylbenzene	13.23	119	496	1.699	ug/l	#	83
84) 1,2,4-Trimethylbenzene	13.27	105	704	2.102	ug/l		87
85) sec-Butylbenzene	13.41	105	1050	2.623	ug/l		95
86) p-Isopropyltoluene	13.53	119	985	2.574	ug/l		95
87) 1,3-Dichlorobenzene	13.60	146	583	3.041	ug/l		78
88) 1,4-Dichlorobenzene	13.60	146	583	3.095	ug/l	#	76
89) n-Butylbenzene	13.85	91	1051	3.050	ug/l		96
91) 1,2-Dichlorobenzene	13.90	146	488	2.985	ug/l	#	62
92) 1,2-Dibromo-3-Chloropropan	14.49	75	69	6.619	ug/l	#	1
93) 1,2,4-Trichlorobenzene	15.16	180	424	3.522	ug/l	#	64
94) Hexachlorobutadiene	15.27	225	83	1.096	ug/l	#	1
95) Naphthalene	15.40	128	1504	7.897	ug/l	#	69
96) 1,2,3-Trichlorobenzene	15.60	180	665	6.471	ug/l		85

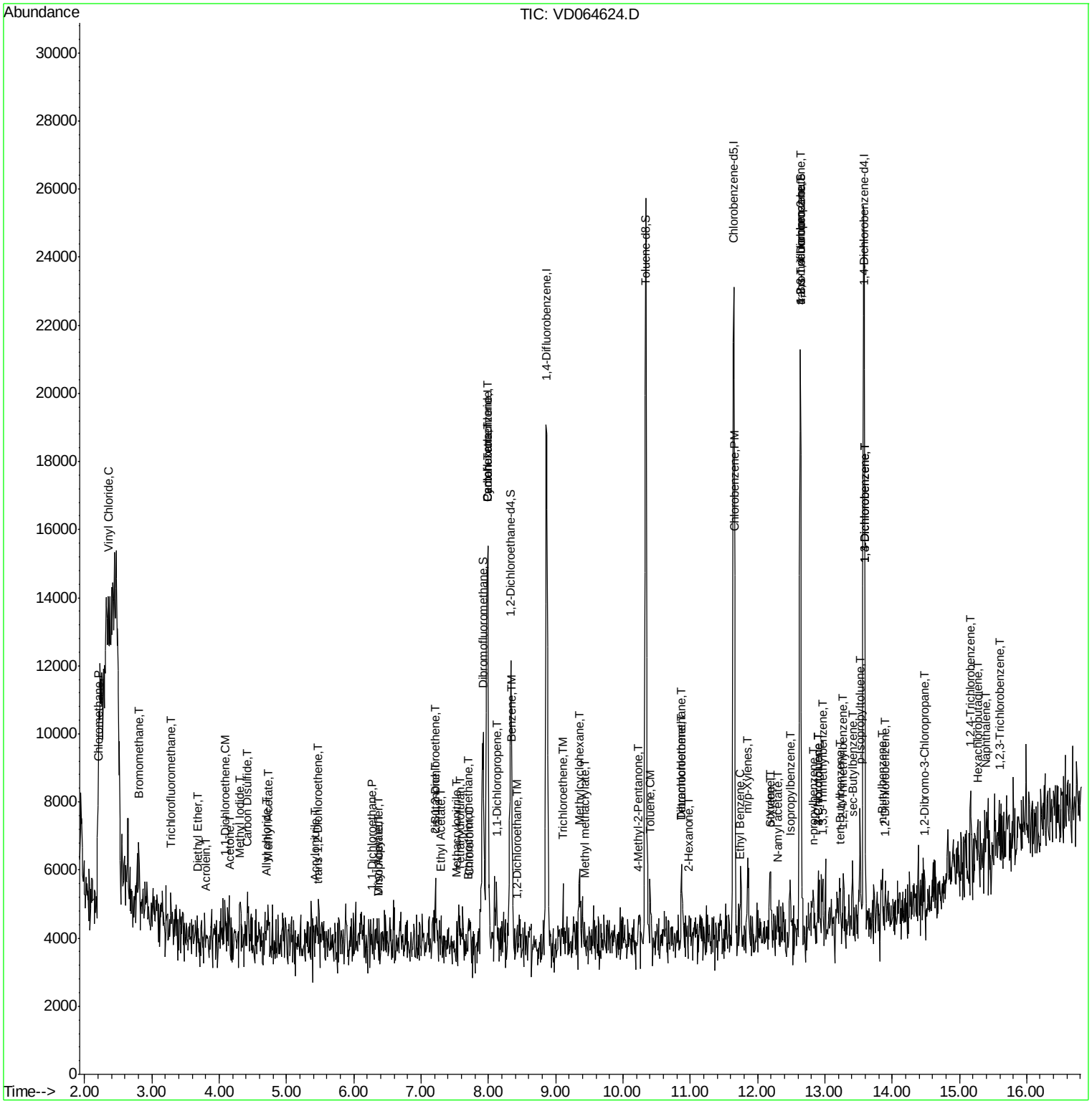
(#) = qualifier out of range (m) = manual integration (+) = signals summed

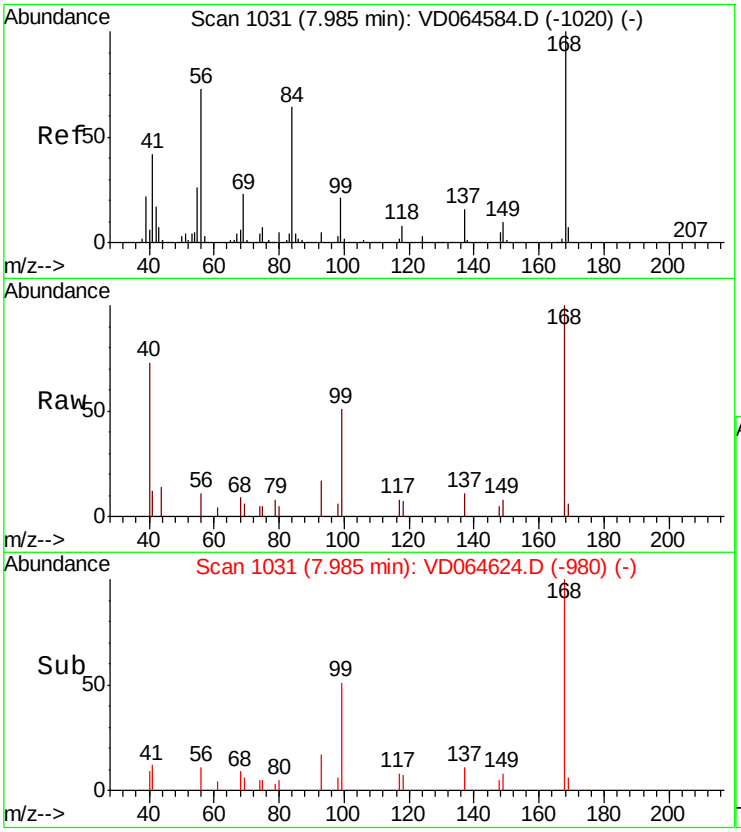
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122619\
Data File : VD064624.D
Acq On : 27 Dec 2019 04:27
Operator : VA/SY
Sample : K6439-04
Misc : 5.22G/5.00ml/MSVOA_D/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
LIED-BF001-02

Quant Time: Dec 27 05:05:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration



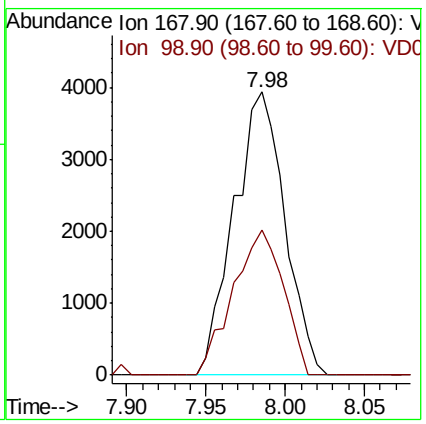


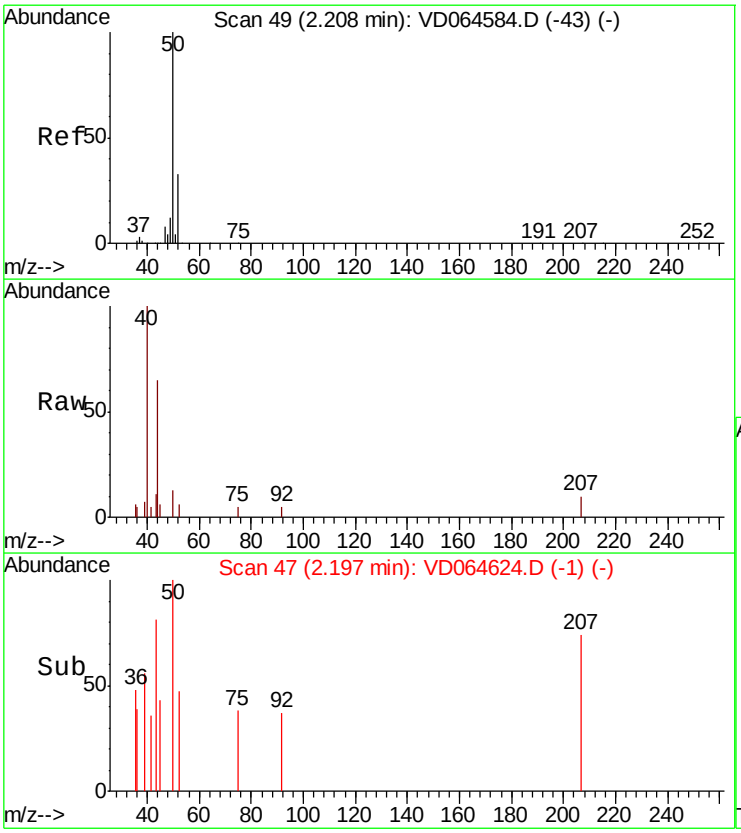
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion:168 Resp: 8778

Ion	Ratio	Lower	Upper
168	100		
99	51.2	41.8	62.6

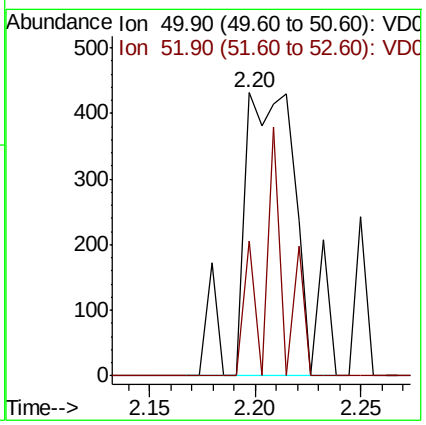


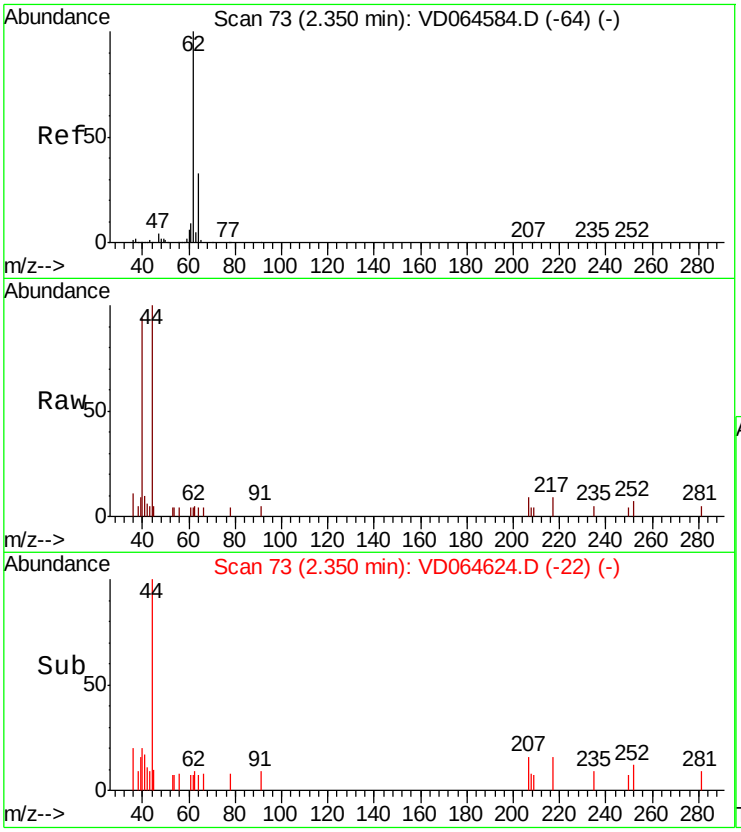


#3
Chloromethane
Concen: 8.417 ug/l
RT: 2.20 min Scan# 47
Delta R.T. -0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion: 50 Resp: 803

Ion	Ratio	Lower	Upper
50	100		
52	47.5	26.5	39.7#



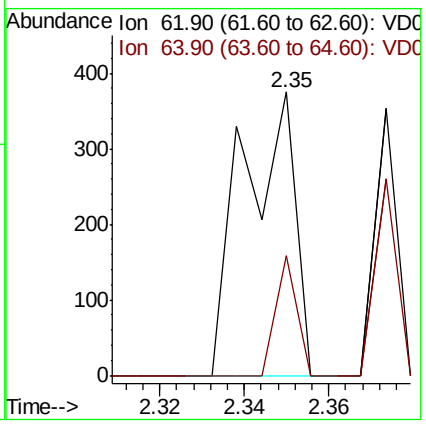


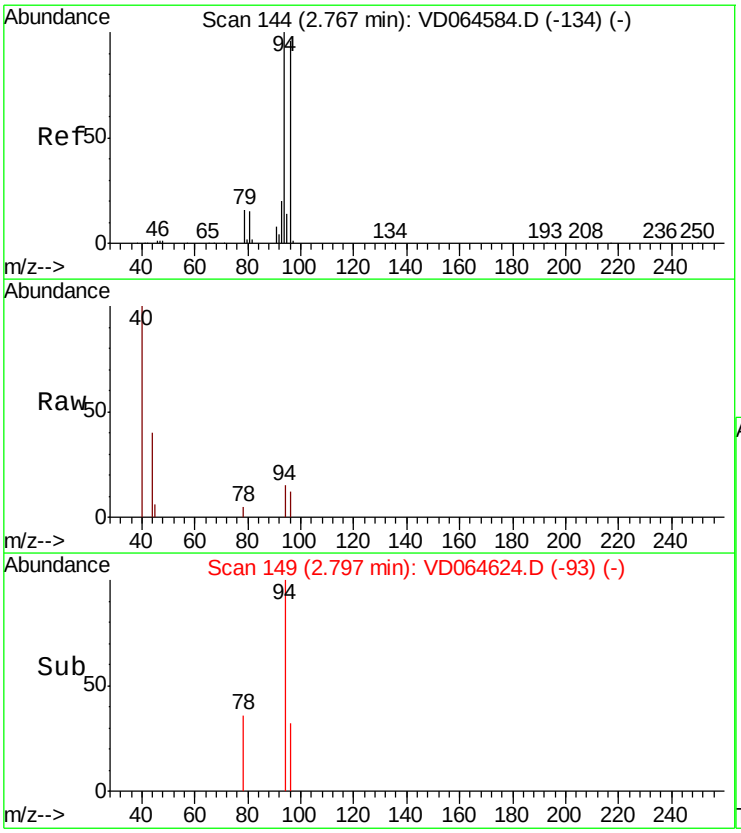
#4
Vinyl Chloride
Concen: 2.768 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion: 62 Resp: 322

Ion	Ratio	Lower	Upper
62	100		
64	42.4	26.6	40.0#

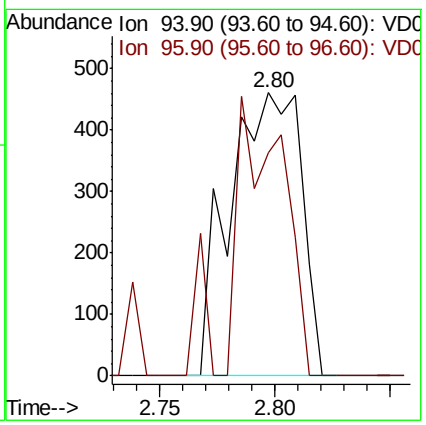


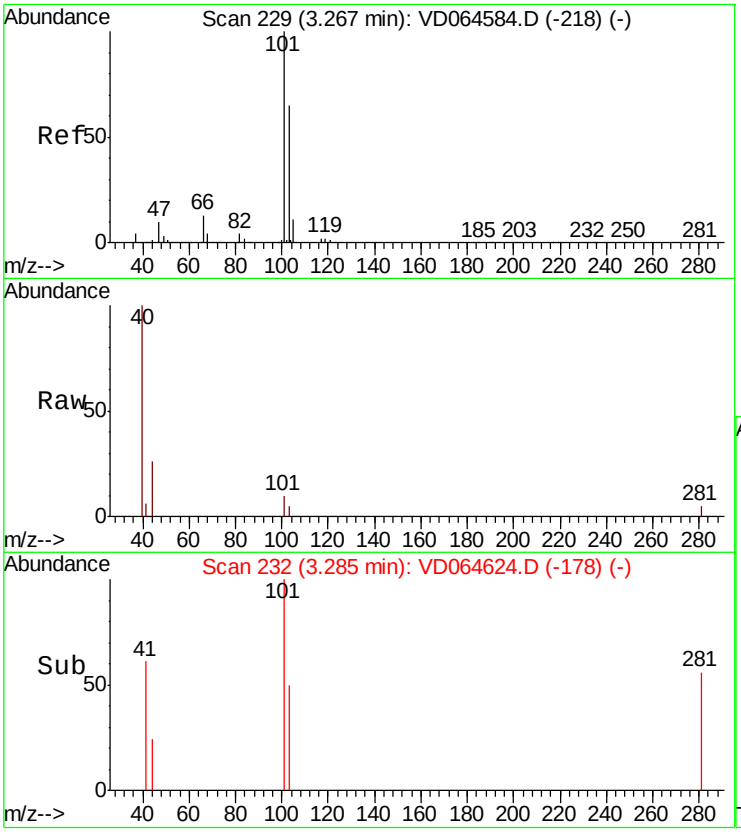


#5
Bromomethane
Concen: 11.811 ug/l
RT: 2.80 min Scan# 149
Delta R.T. 0.03 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion: 94 Resp: 999

Ion	Ratio	Lower	Upper
94	100		
96	79.0	77.2	115.8



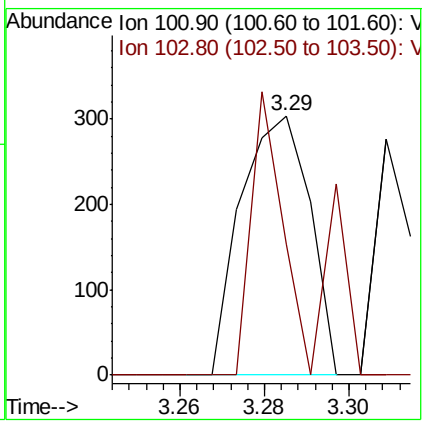


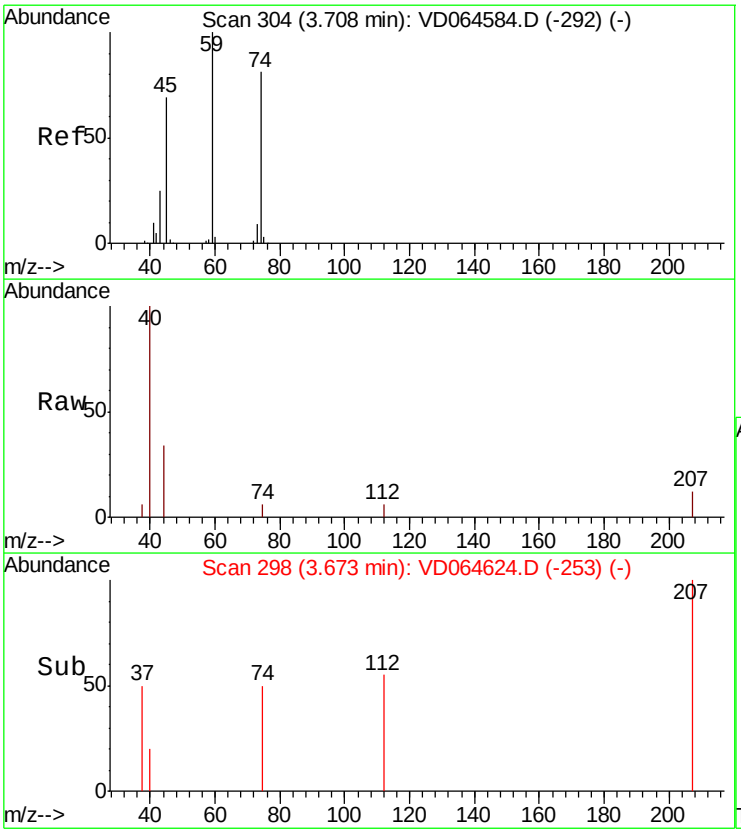
#7
Trichlorofluoromethane
Concen: 1.761 ug/l
RT: 3.29 min Scan# 232
Delta R.T. 0.02 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion:101 Resp: 345

Ion	Ratio	Lower	Upper
101	100		
103	50.3	52.2	78.4#

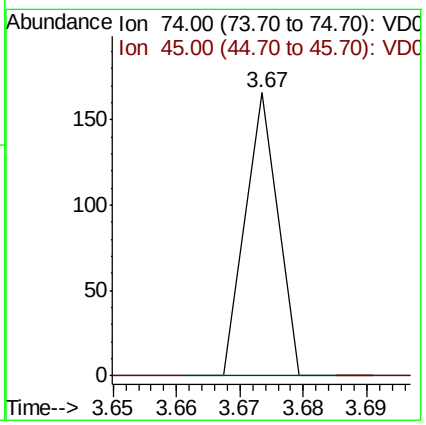


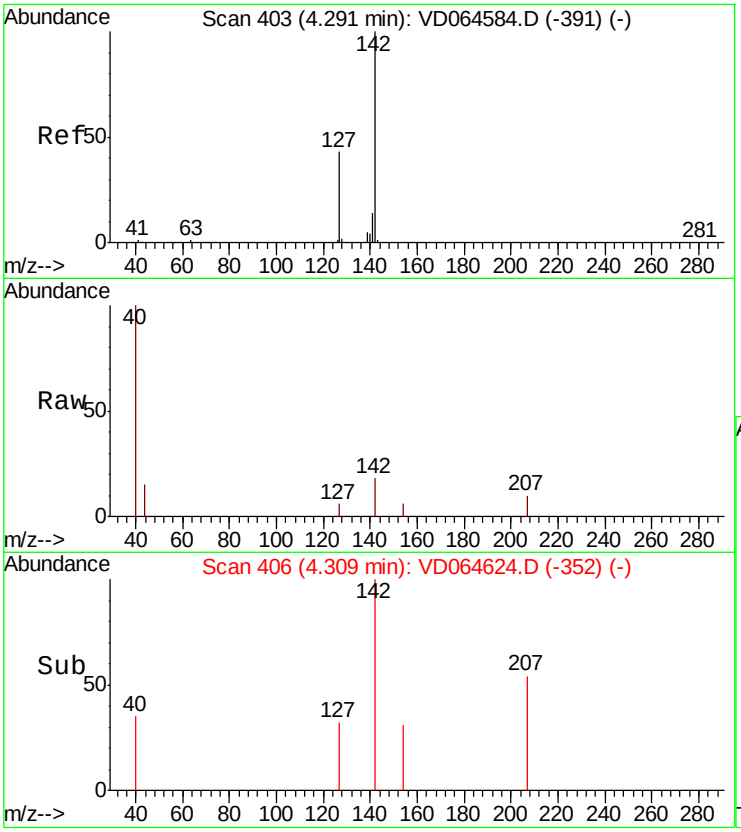


#8
Diethyl Ether
Concen: 1.517 ug/l
RT: 3.67 min Scan# 298
Delta R.T. -0.03 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion: 74 Resp: 59

Ion	Ratio	Lower	Upper
74	100		
45	0.0	47.5	142.5#



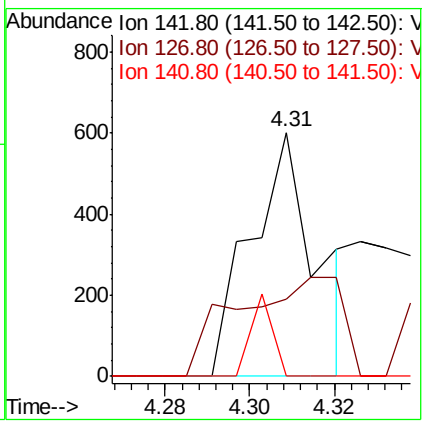


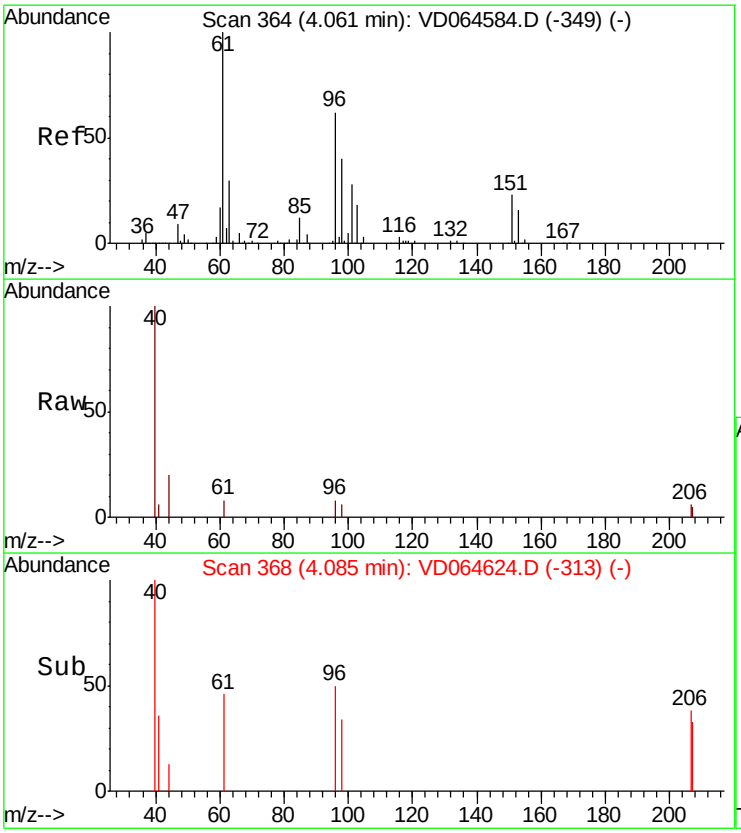
#10
Methyl Iodide
Concen: 7.437 ug/l
RT: 4.31 min Scan# 406
Delta R.T. 0.02 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion:142 Resp: 648

Ion	Ratio	Lower	Upper
142	100		
127	65.0	36.2	54.4#
141	11.1	11.8	17.8#

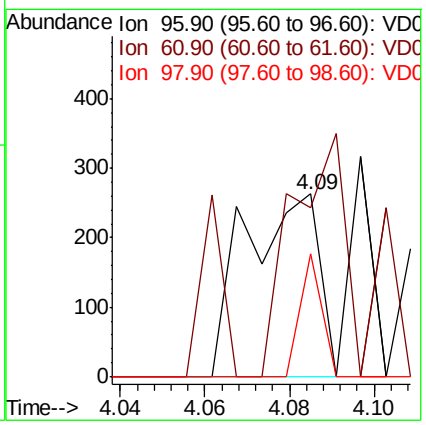


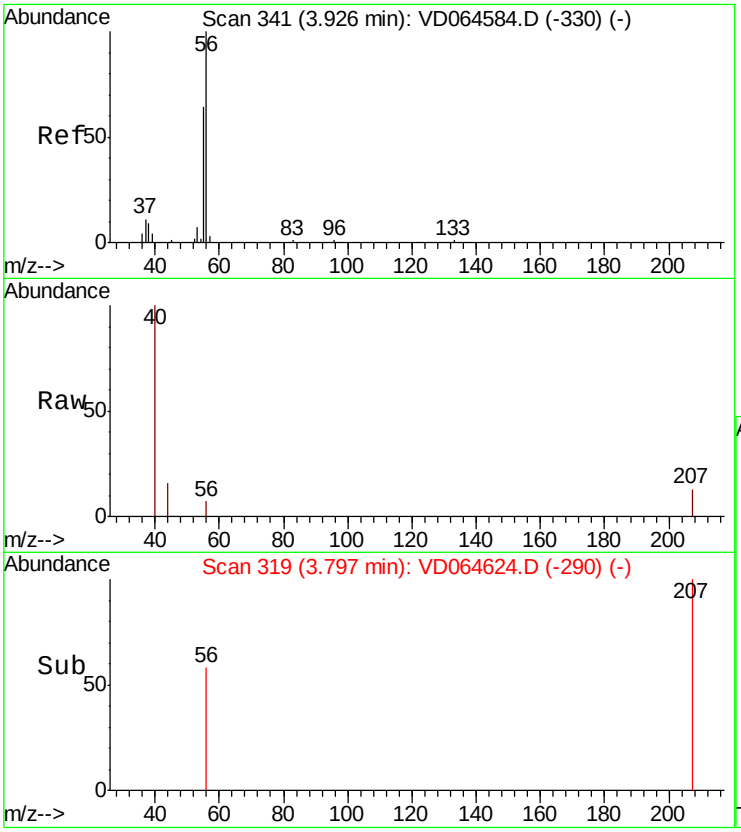


#12
1,1-Dichloroethene
Concen: 4.131 ug/l
RT: 4.09 min Scan# 368
Delta R.T. 0.02 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion: 96 Resp: 319

Ion	Ratio	Lower	Upper
96	100		
61	92.8	129.4	194.0#
98	67.3	51.4	77.0



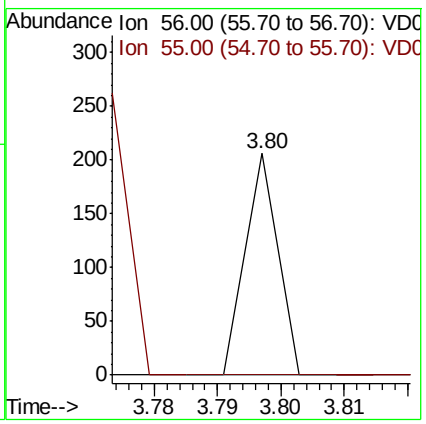


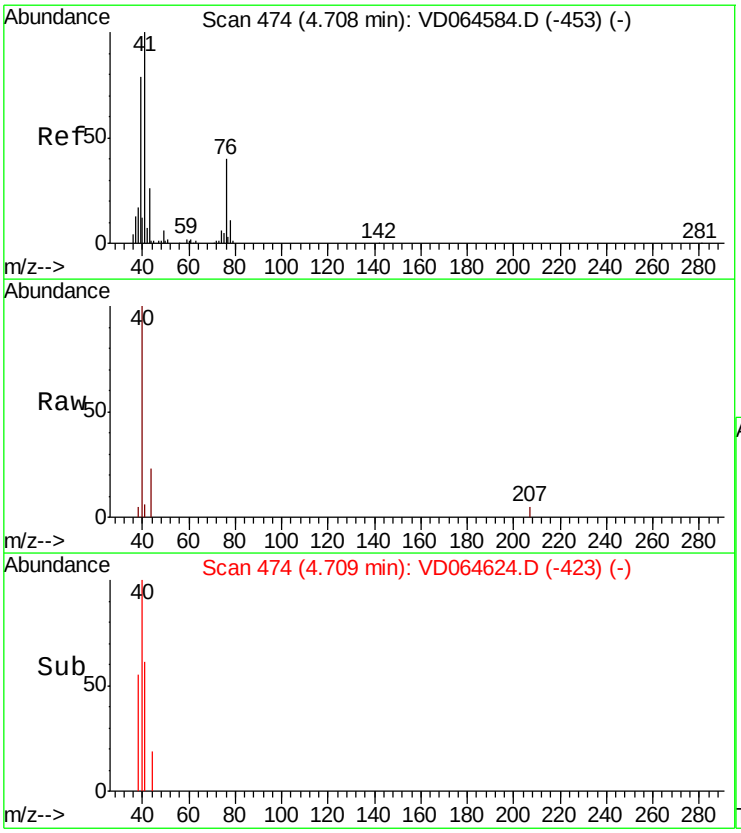
#13
Acrolein
Concen: 11.808 ug/l
RT: 3.80 min Scan# 319
Delta R.T. -0.13 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion: 56 Resp: 73

Ion	Ratio	Lower	Upper
56	100		
55	0.0	56.7	85.1#

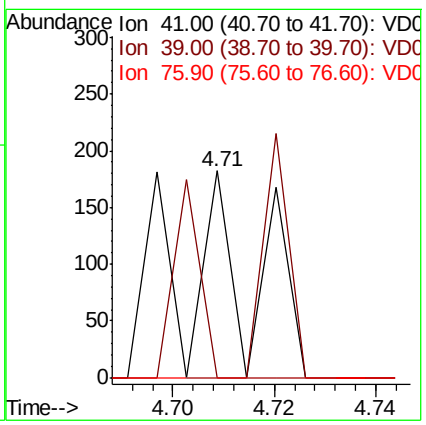


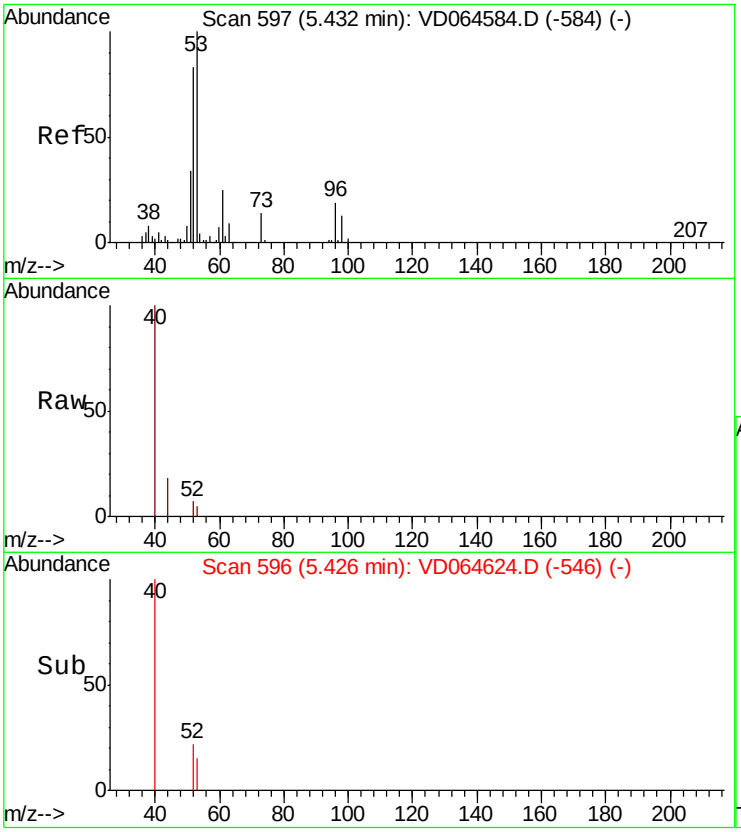


#14
Allyl chloride
Concen: 1.022 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion: 41 Resp: 123

Ion	Ratio	Lower	Upper
41	100		
39	50.4	62.3	93.5#
76	0.0	29.7	44.5#



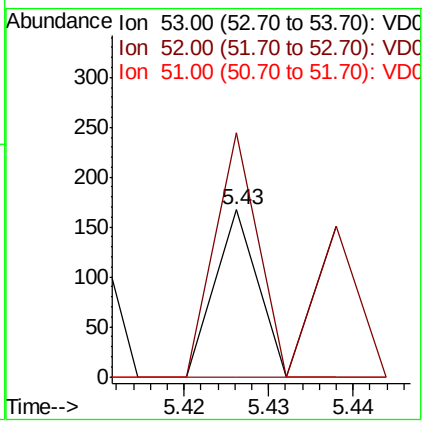


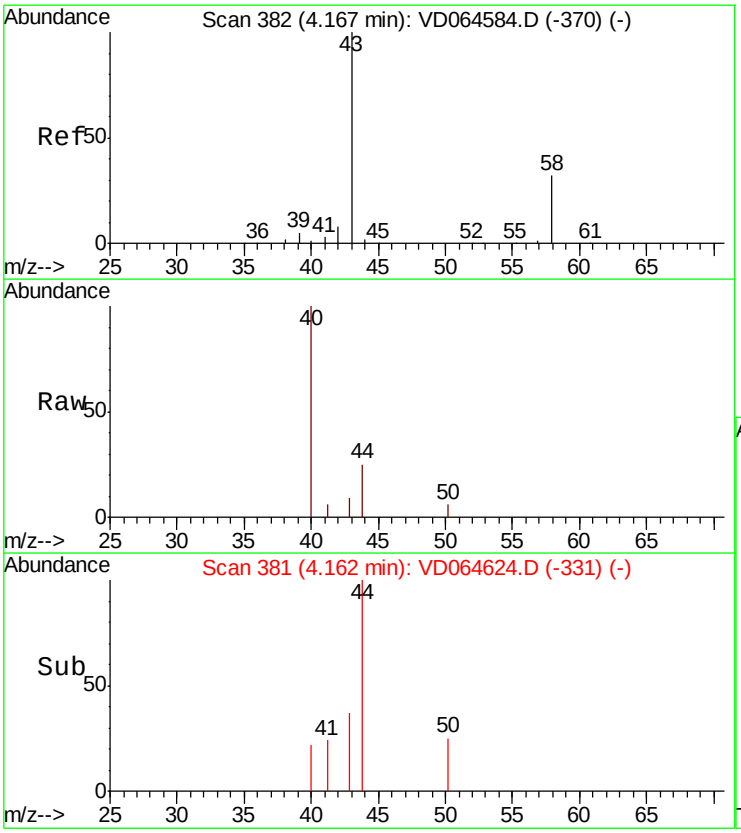
#15
Acrylonitrile
Concen: 3.642 ug/l
RT: 5.43 min Scan# 596
Delta R.T. -0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion: 53 Resp: 59

Ion	Ratio	Lower	Upper
53	100		
52	235.6	66.2	99.2#
51	0.0	30.1	45.1#

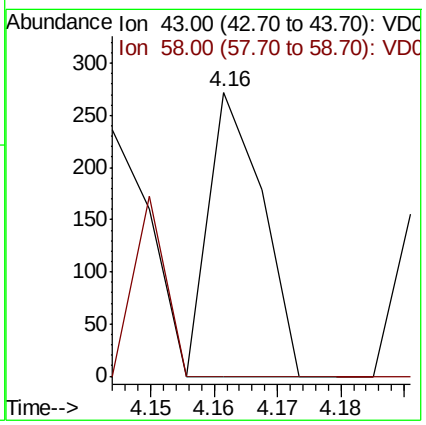


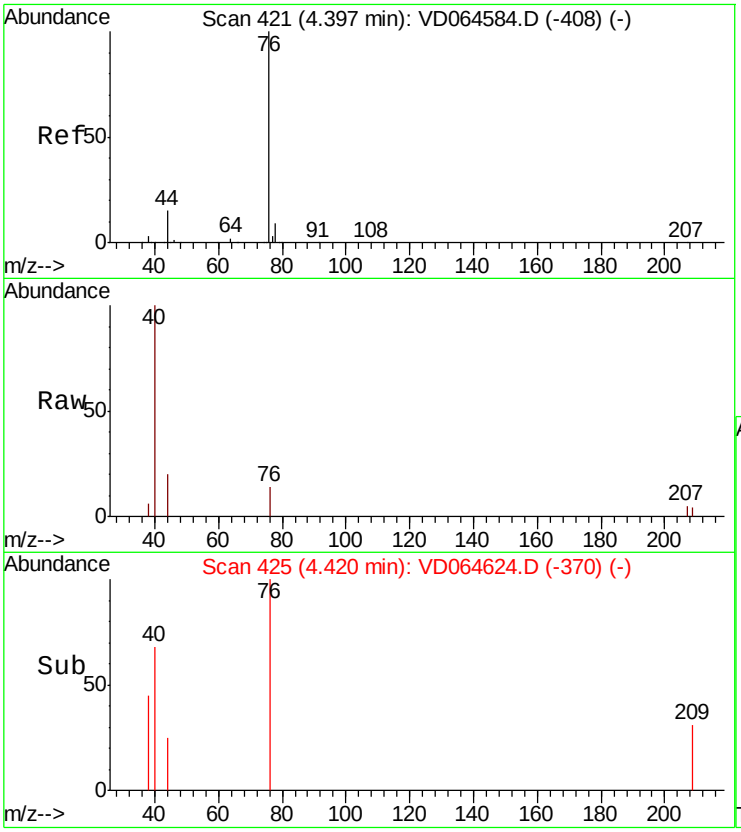


#16
Acetone
Concen: 12.786 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion: 43 Resp: 159

Ion	Ratio	Lower	Upper
43	100		
58	0.0	25.8	38.6#



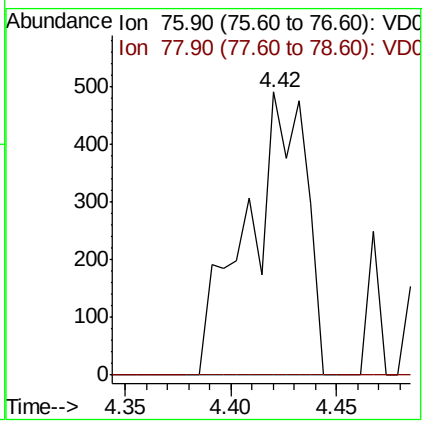


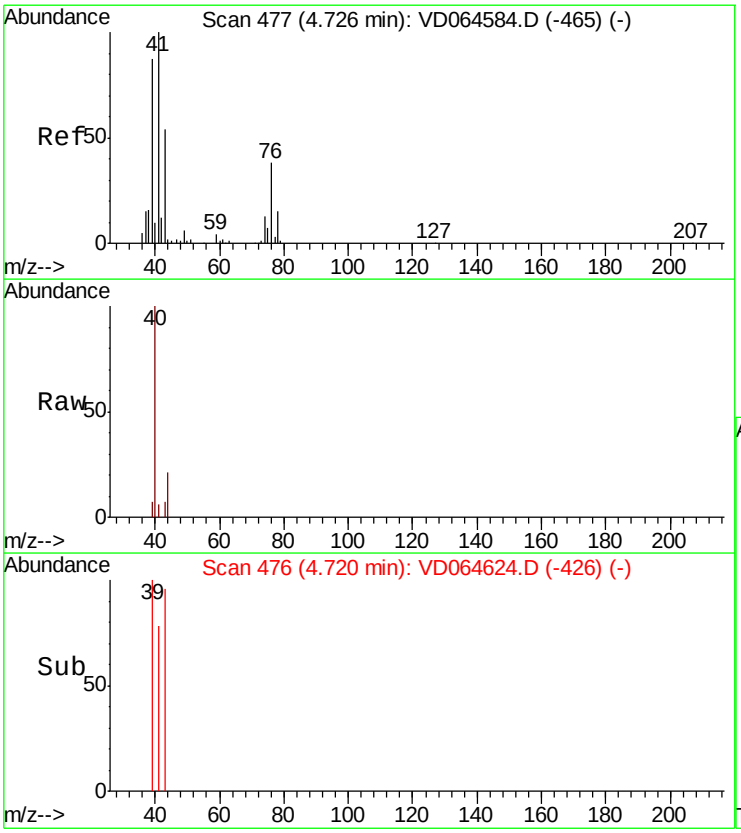
#17
Carbon Disulfide
Concen: 3.808 ug/l
RT: 4.42 min Scan# 425
Delta R.T. 0.02 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion: 76 Resp: 951

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.3	10.9#

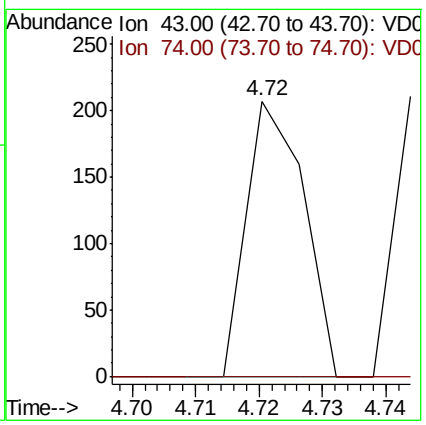


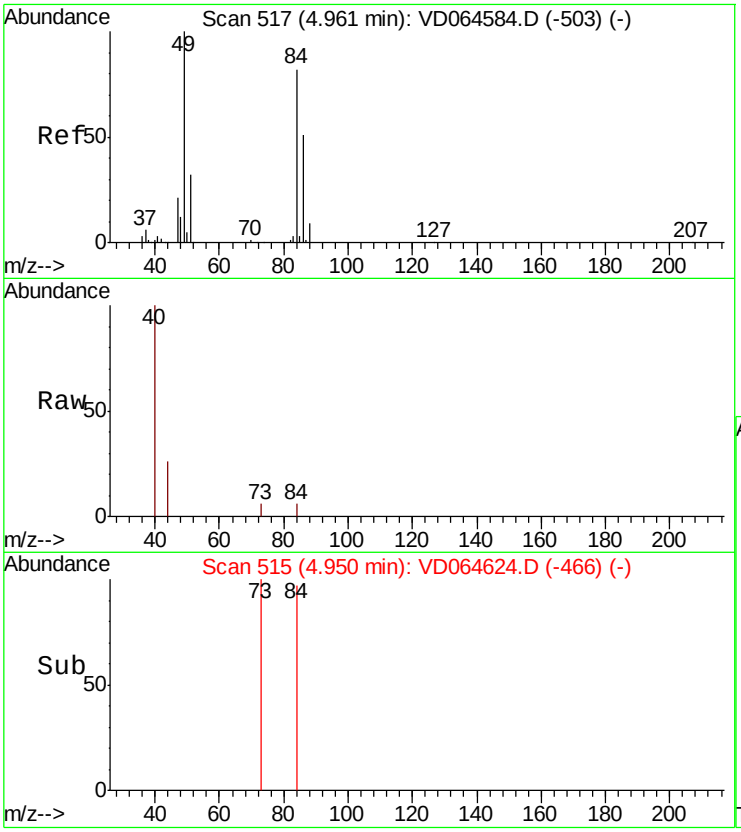


#18
Methyl Acetate
Concen: 2.960 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion: 43 Resp: 129

Ion	Ratio	Lower	Upper
43	100		
74	0.0	19.2	28.8#



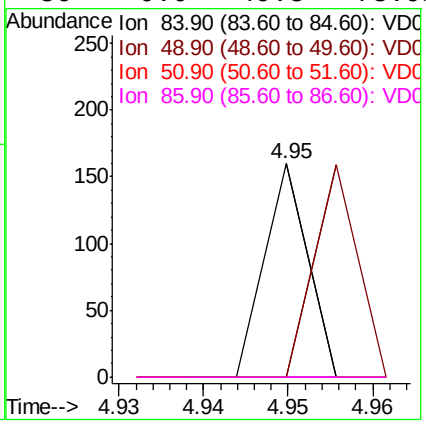


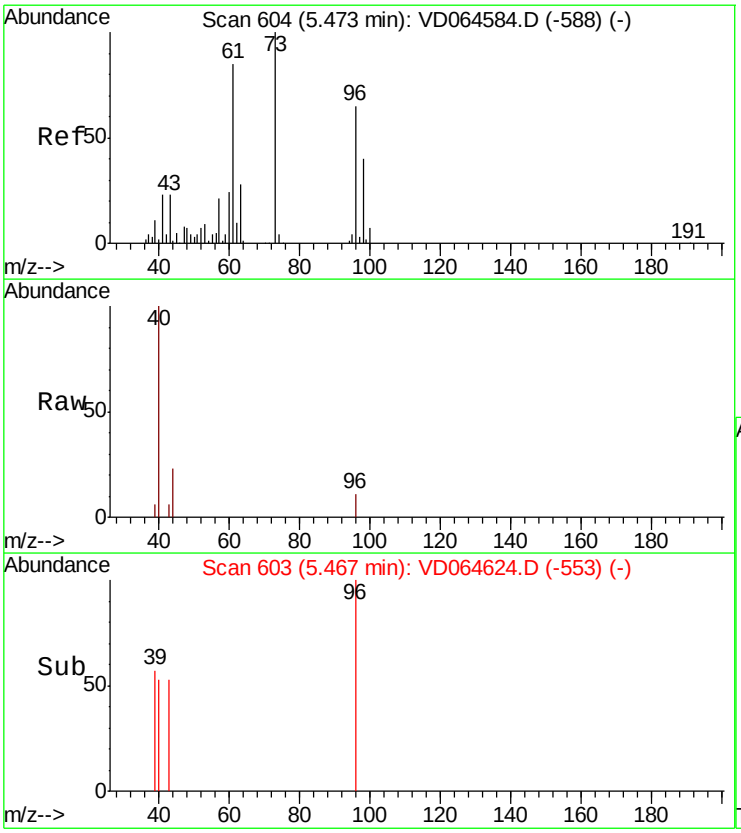
#20
Methylene Chloride
Concen: Below Cal
RT: 4.95 min Scan# 515
Delta R.T. -0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion: 84 Resp: 56

Ion	Ratio	Lower	Upper
84	100		
49	0.0	97.2	145.8#
51	0.0	31.4	47.0#
86	0.0	49.3	73.9#

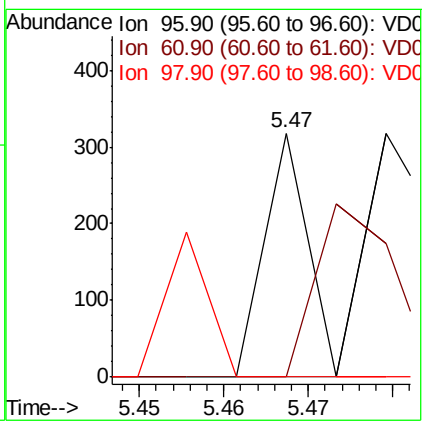


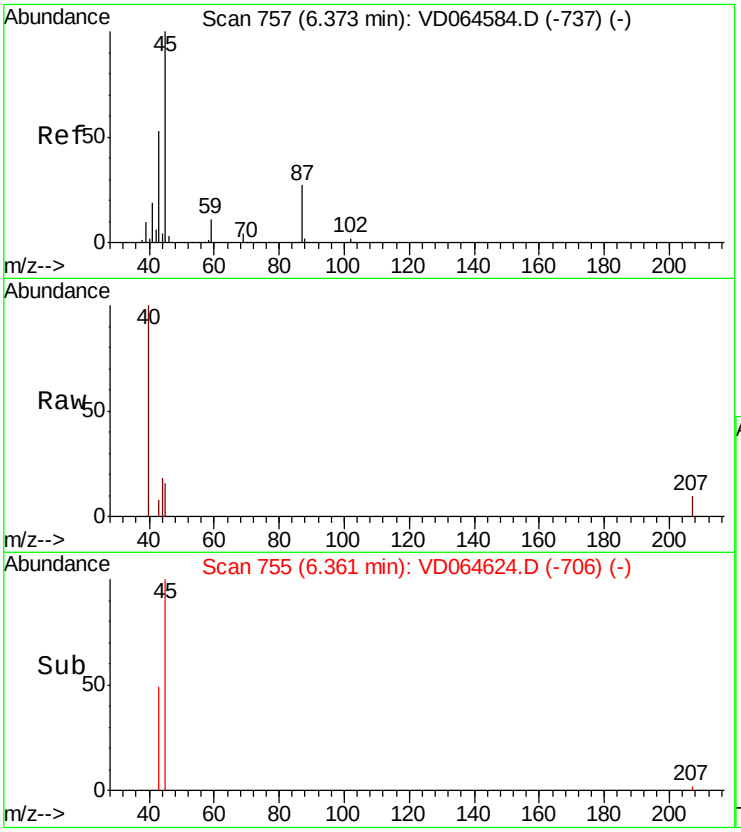


#21
trans-1,2-Dichloroethene
Concen: 1.273 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion: 96 Resp: 112

Ion	Ratio	Lower	Upper
96	100		
61	0.0	104.7	157.1#
98	0.0	49.4	74.2#



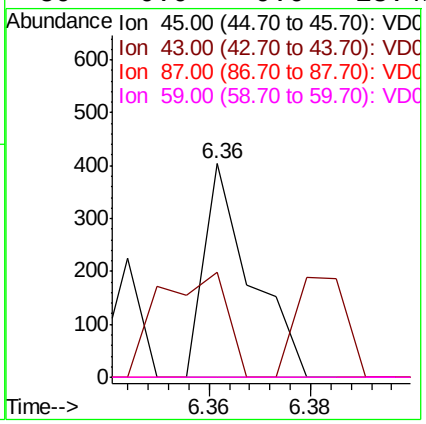


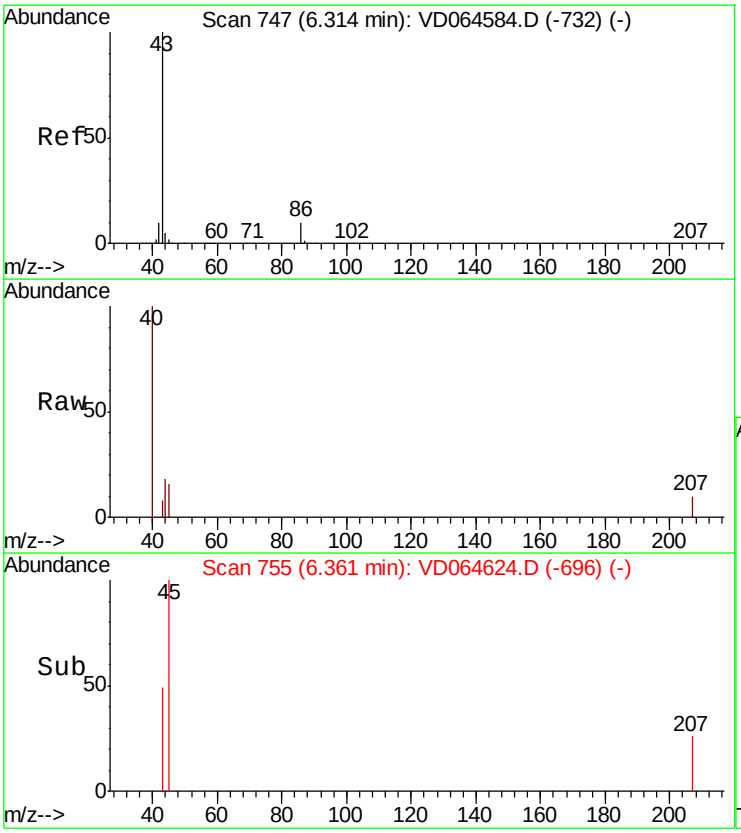
#22
Diisopropyl ether
Concen: 1.074 ug/l
RT: 6.36 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion: 45 Resp: 258

Ion	Ratio	Lower	Upper
45	100		
43	10.4	43.2	64.8#
87	0.0	21.9	32.9#
59	0.0	9.0	13.4#

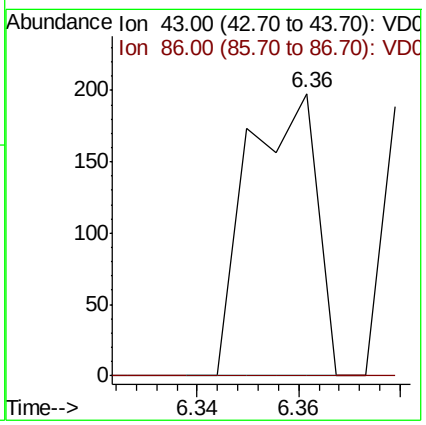


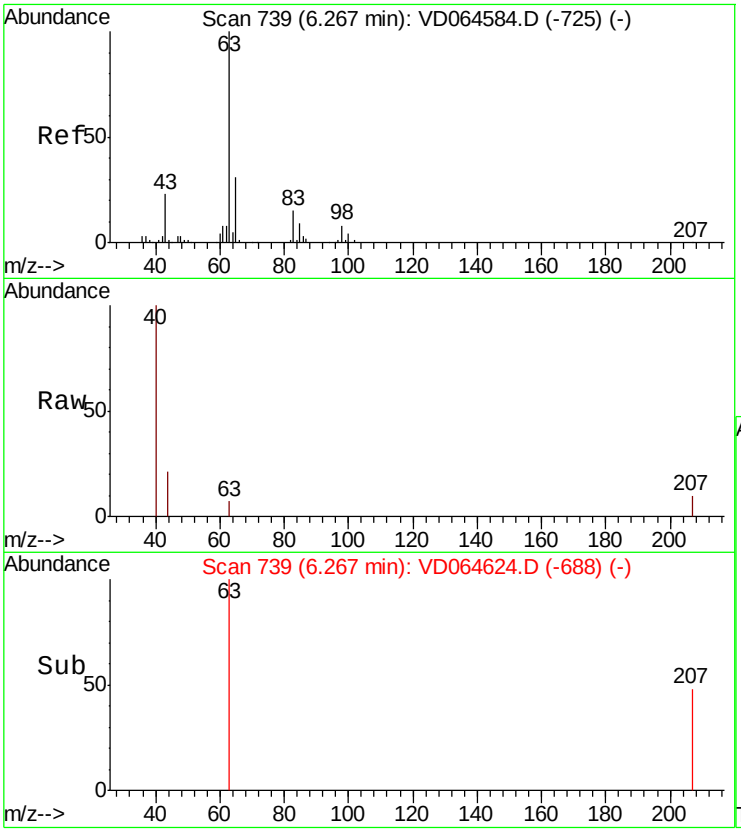


#23
Vinyl Acetate
Concen: 1.365 ug/l
RT: 6.36 min Scan# 755
Delta R.T. 0.05 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion: 43 Resp: 186

Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.3	12.5#



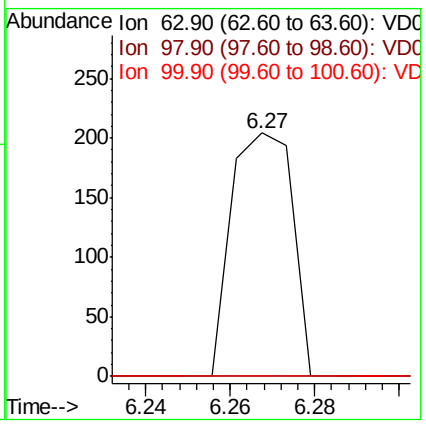


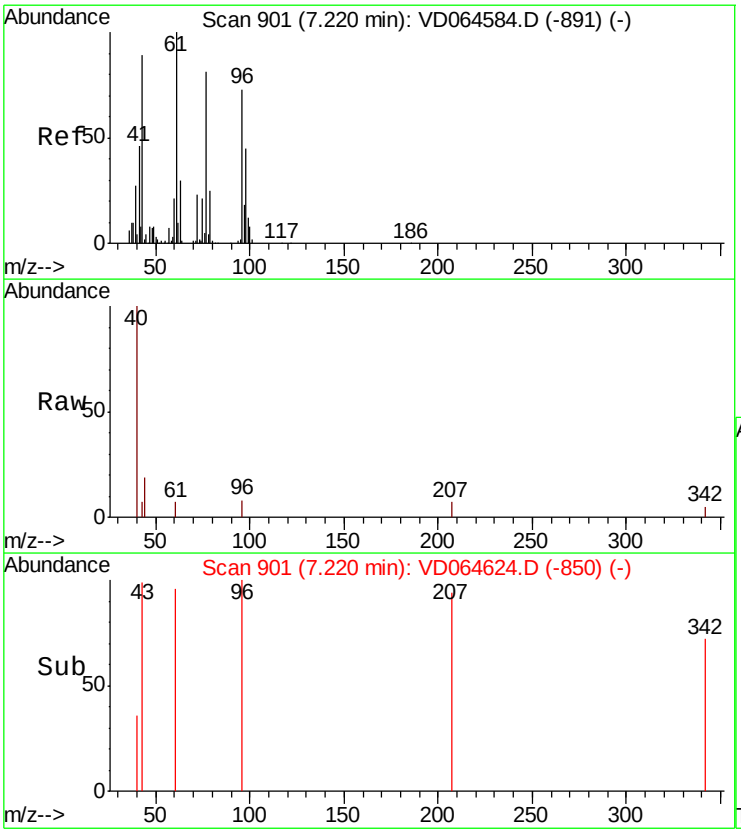
#24
1,1-Dichloroethane
Concen: 1.422 ug/l
RT: 6.27 min Scan# 739
Delta R.T. 0.00 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion: 63 Resp: 205

Ion	Ratio	Lower	Upper
63	100		
98	0.0	4.1	12.3#
100	0.0	2.2	6.6#

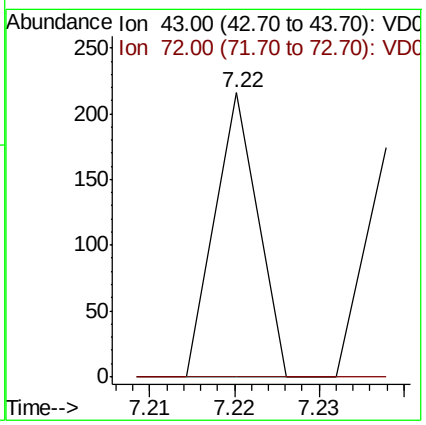


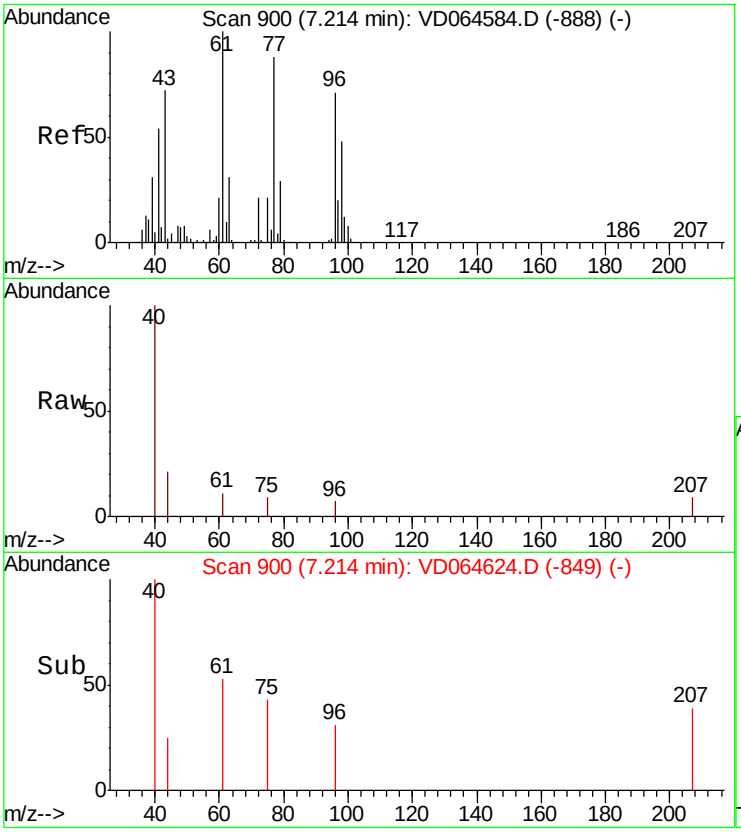


#25
2-Butanone
Concen: 3.572 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion: 43 Resp: 76

Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.7	31.1#



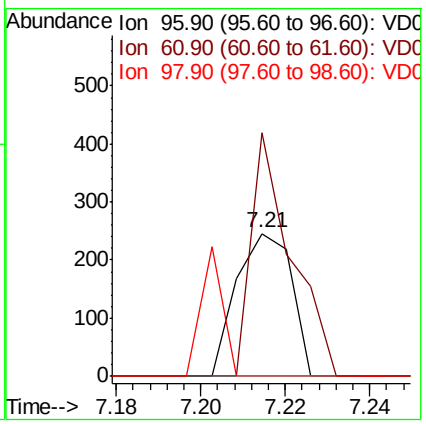


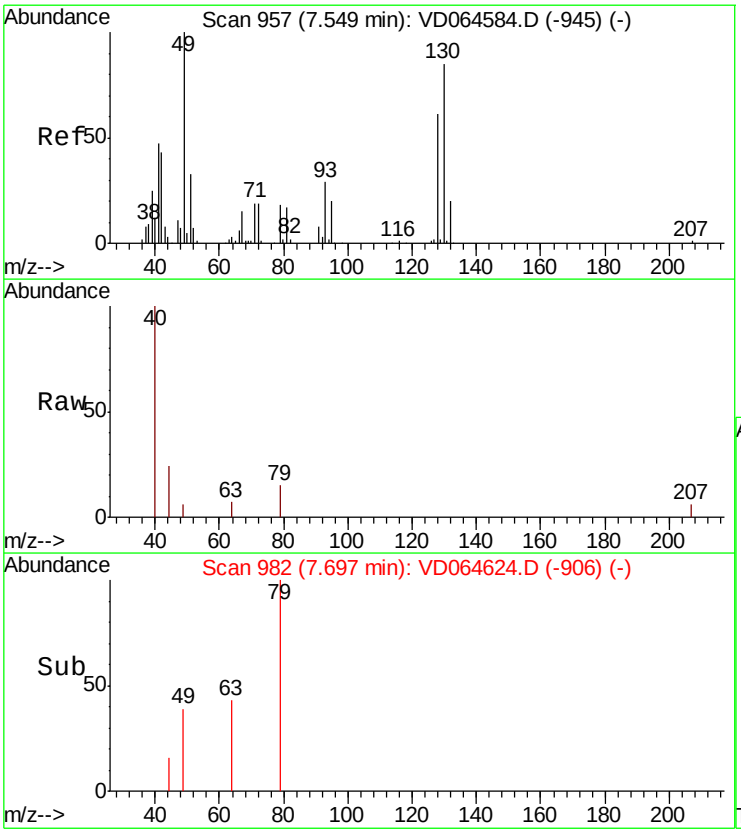
#27
cis-1,2-Dichloroethene
Concen: 2.349 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument :
MSVOA_D
ClientSampleId :
LIED-BF001-02

Tgt Ion: 96 Resp: 223

Ion	Ratio	Lower	Upper
96	100		
61	124.2	0.0	282.6
98	35.0	0.0	130.8

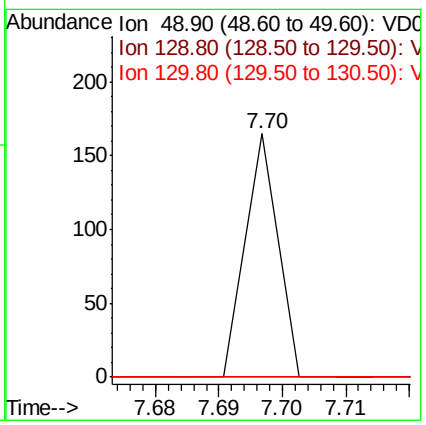


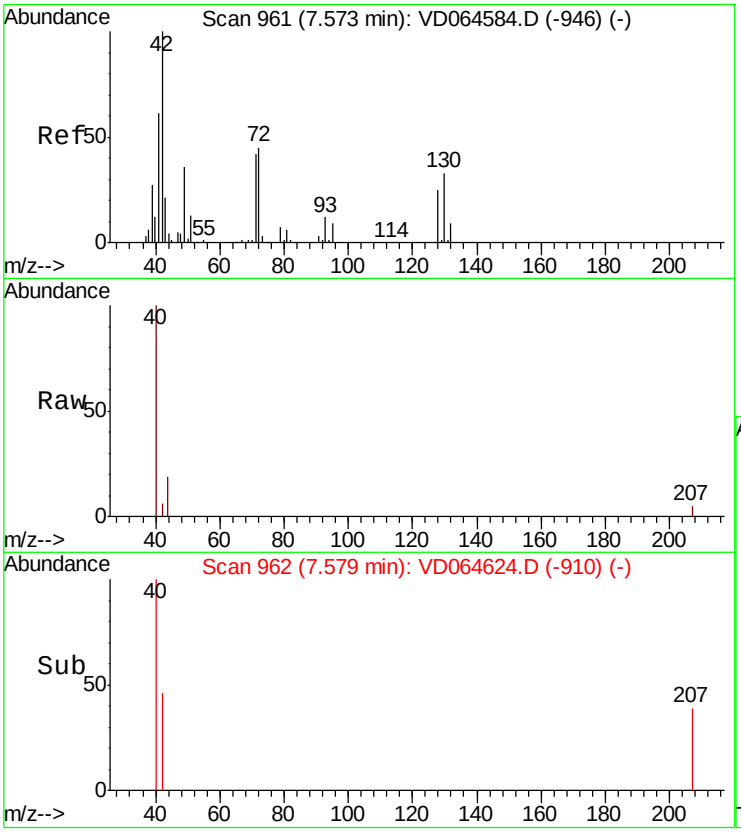


#28
Bromochloromethane
Concen: 1.035 ug/l
RT: 7.70 min Scan# 982
Delta R.T. 0.15 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion: 49 Resp: 58

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	0.0	65.0	97.6#



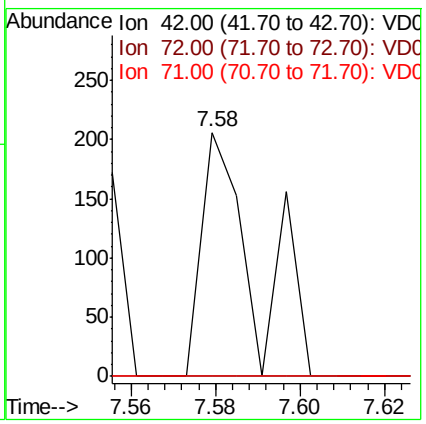


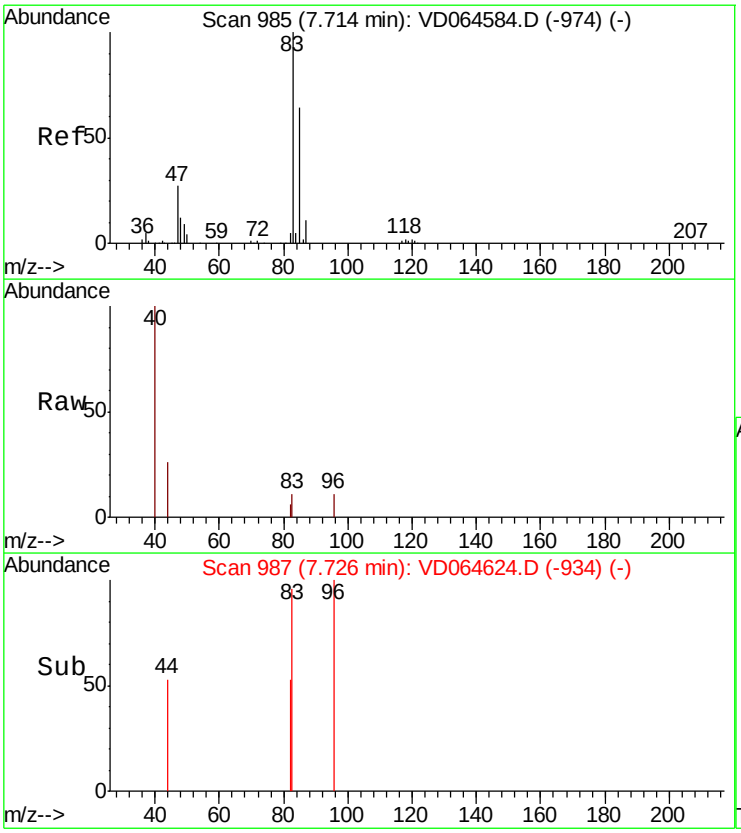
#29
Tetrahydrofuran
Concen: 13.755 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument :
MSVOA_D
ClientSampleId :
LIED-BF001-02

Tgt Ion: 42 Resp: 182

Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.0	52.4#
71	0.0	32.9	49.3#

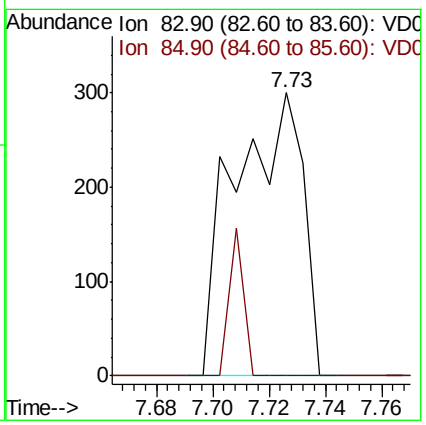


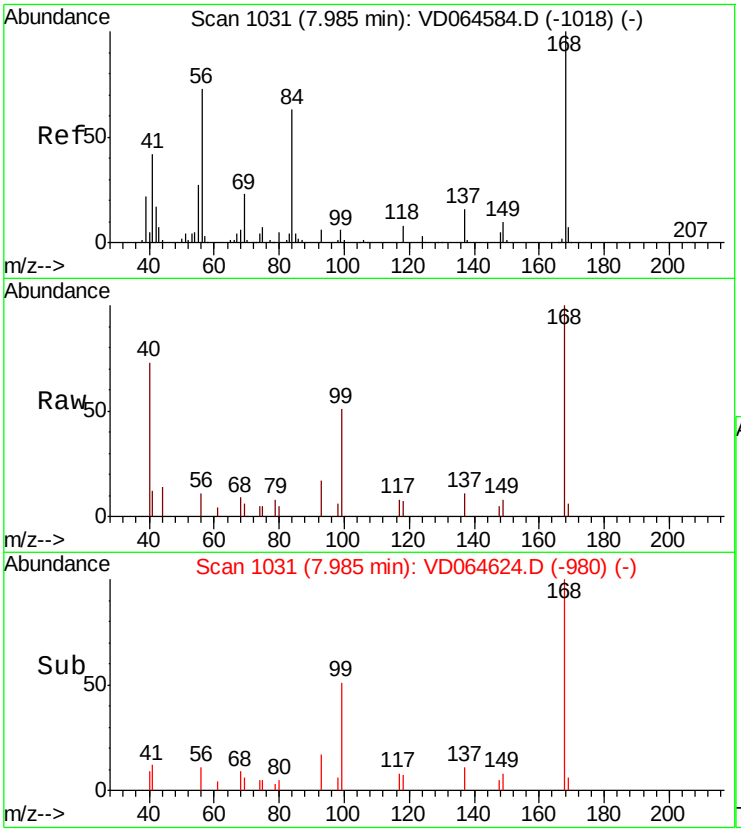


#30
Chloroform
Concen: 3.279 ug/l
RT: 7.73 min Scan# 987
Delta R.T. 0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion: 83 Resp: 496

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.1	76.7#



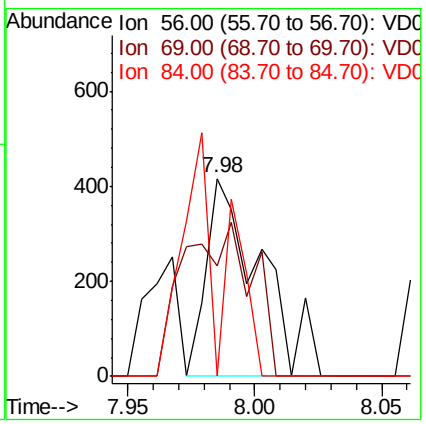


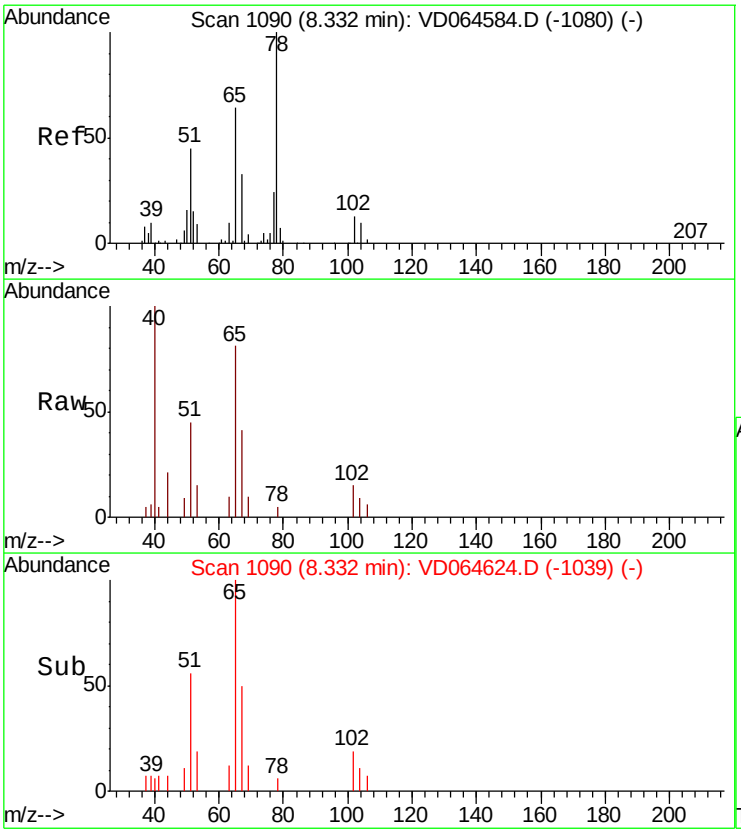
#31
Cyclohexane
Concen: 4.338 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion: 56 Resp: 626

Ion	Ratio	Lower	Upper
56	100		
69	56.3	24.7	37.1#
84	0.0	69.4	104.2#

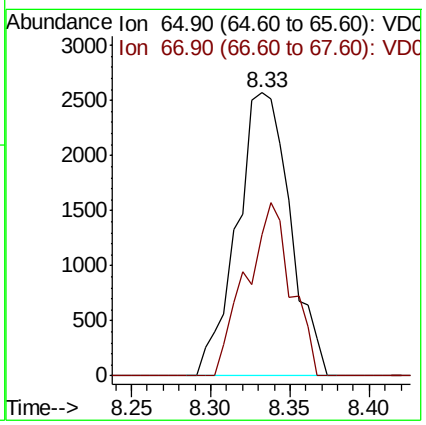


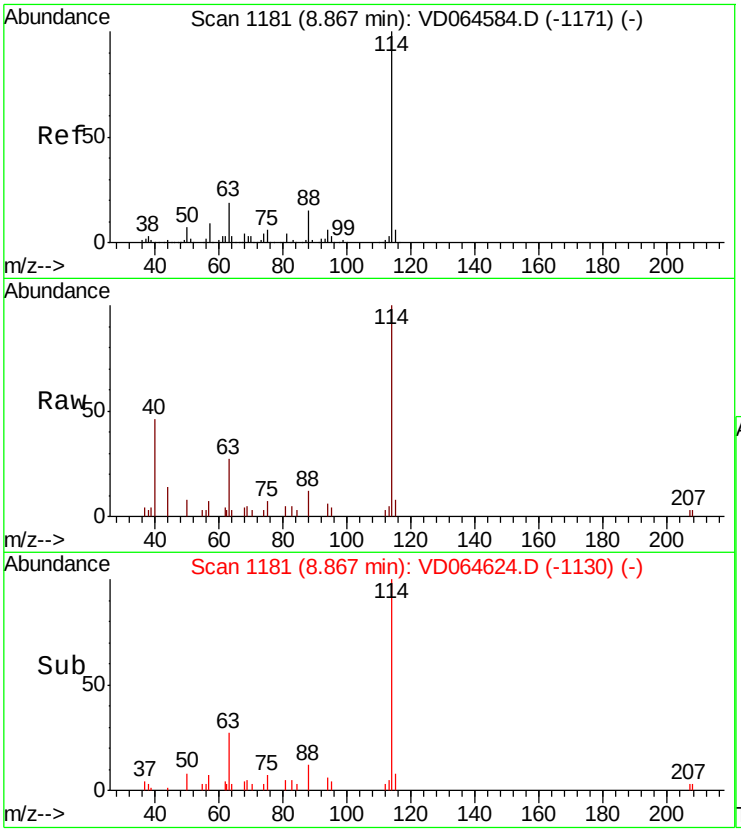


#33
1,2-Dichloroethane-d4
Concen: 77.374 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion: 65 Resp: 5989

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	106.2



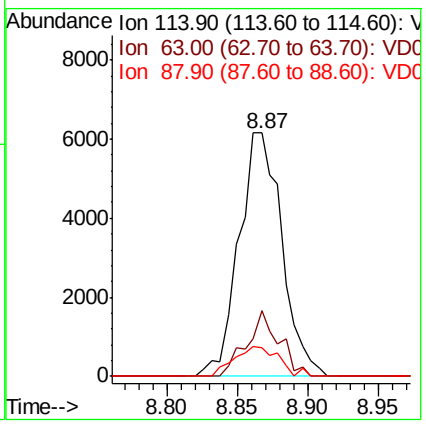


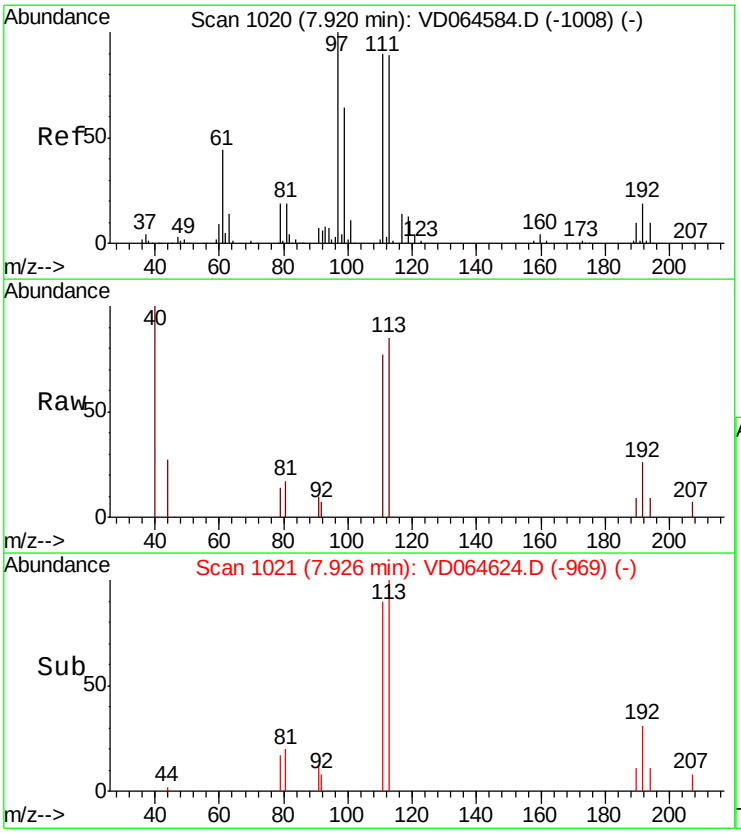
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion:114 Resp: 13089

Ion	Ratio	Lower	Upper
114	100		
63	27.0	0.0	38.0
88	11.7	0.0	29.2

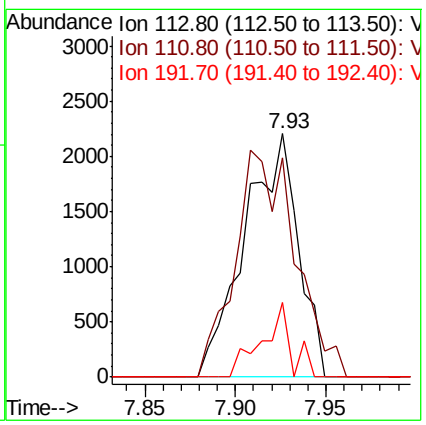


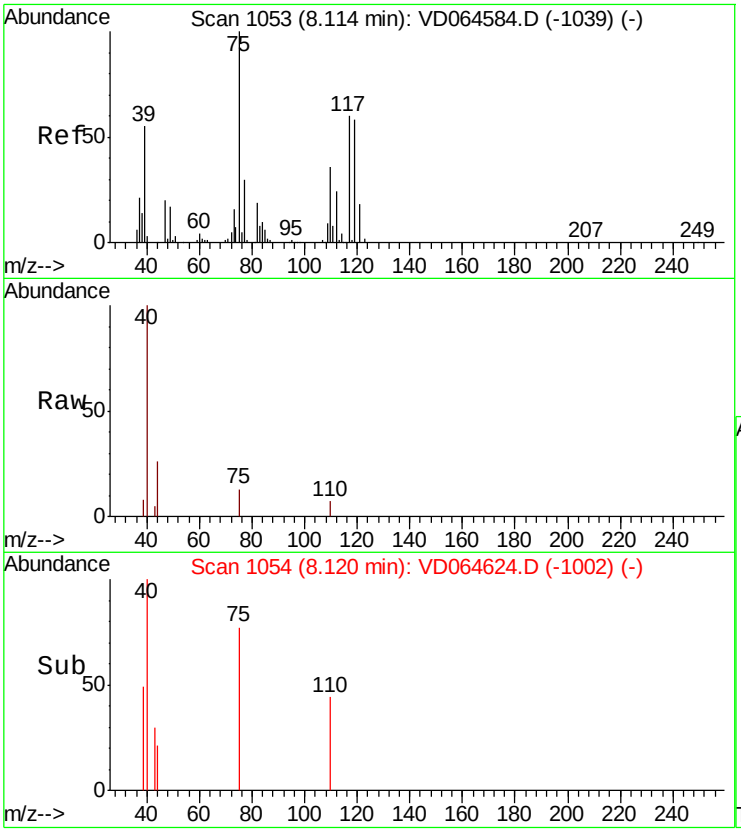


#35
Dibromofluoromethane
Concen: 56.324 ug/l
RT: 7.93 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion:113 Resp: 4523

Ion	Ratio	Lower	Upper
113	100		
111	104.9	80.6	121.0
192	16.6	17.9	26.9#



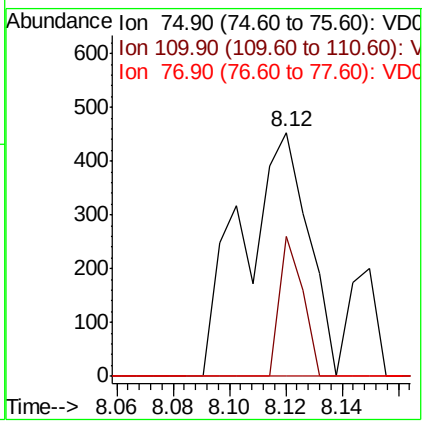


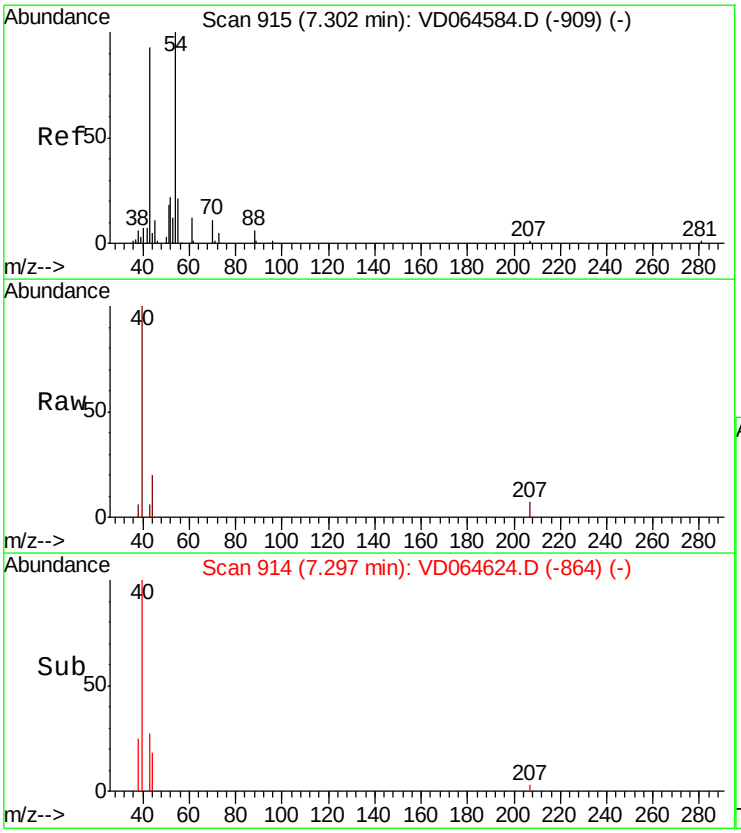
#36
1,1-Dichloropropene
Concen: 5.802 ug/l
RT: 8.12 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion: 75 Resp: 731

Ion	Ratio	Lower	Upper
75	100		
110	20.4	18.1	54.1
77	0.0	24.2	36.4#

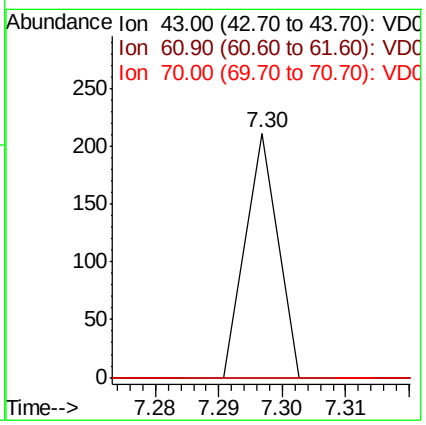


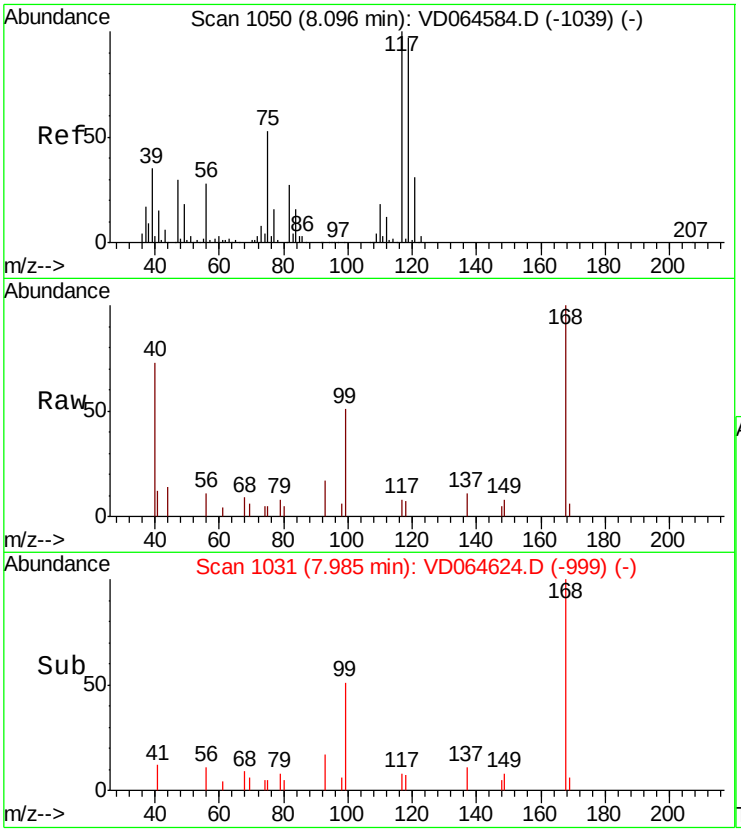


#37
Ethyl Acetate
Concen: 1.495 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion: 43 Resp: 74

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.3	15.5#
70	0.0	7.6	11.4#



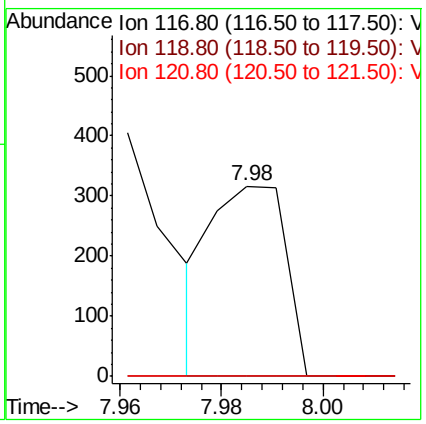


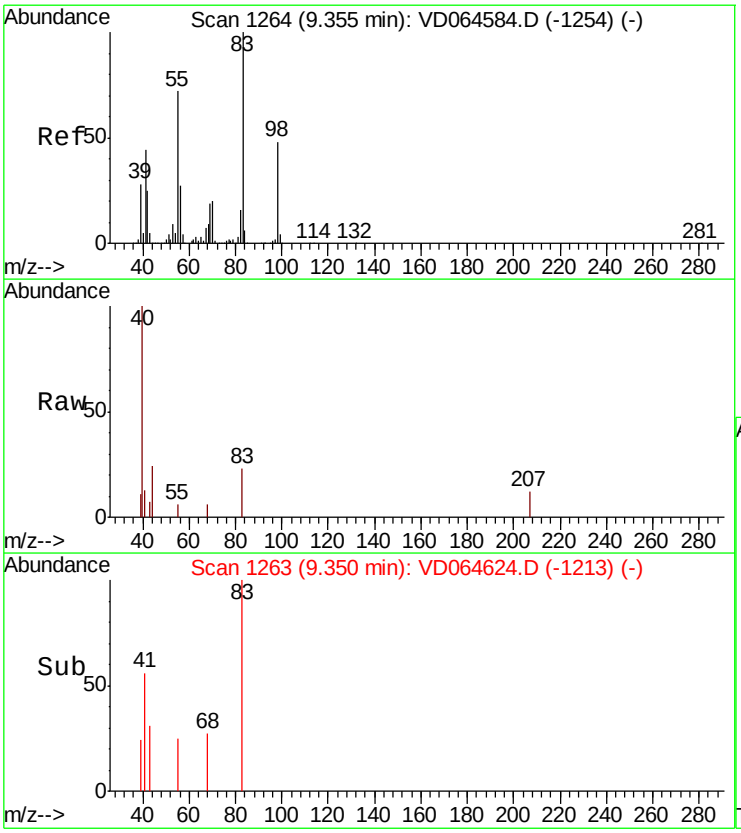
#38
Carbon Tetrachloride
Concen: 2.375 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion:117 Resp: 319

Ion	Ratio	Lower	Upper
117	100		
119	0.0	77.3	115.9#
121	0.0	25.0	37.6#

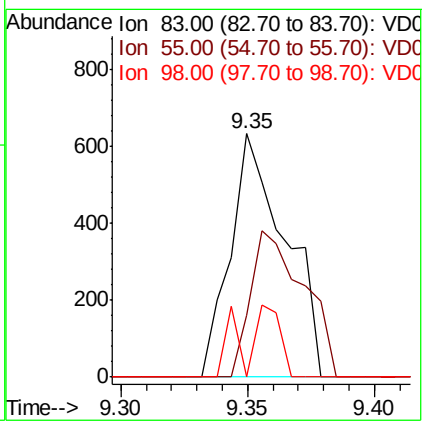


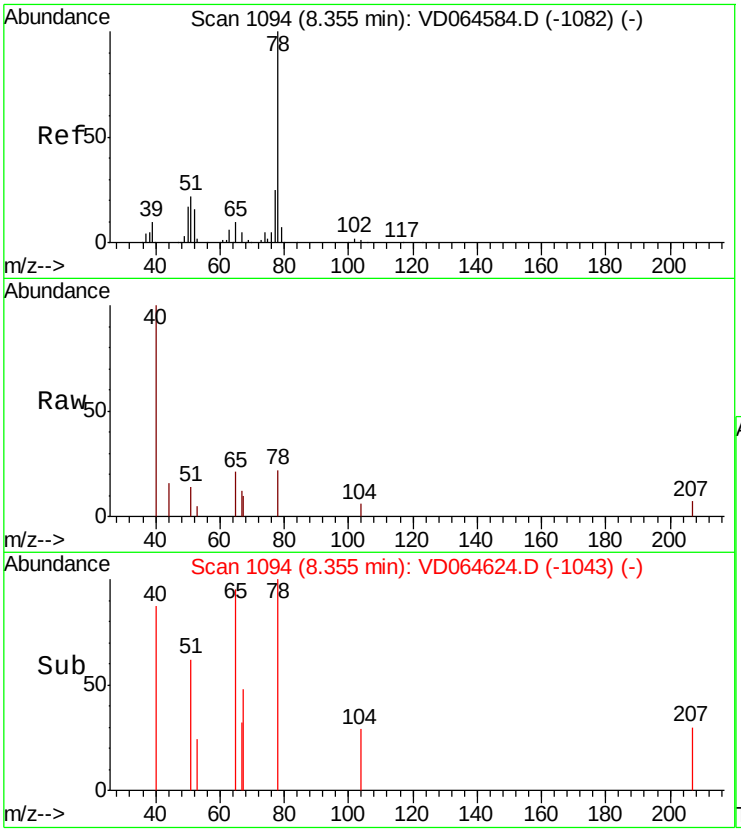


#39
Methylcyclohexane
Concen: 6.265 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion: 83 Resp: 956

Ion	Ratio	Lower	Upper
83	100		
55	25.4	57.8	86.6#
98	0.0	38.7	58.1#



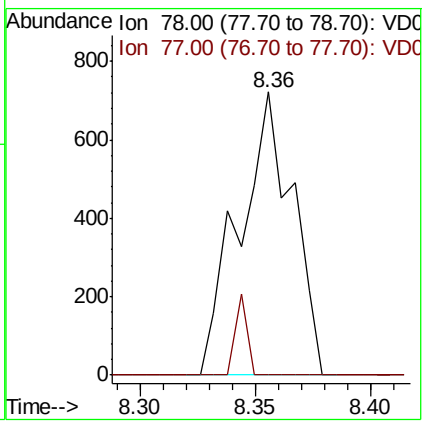


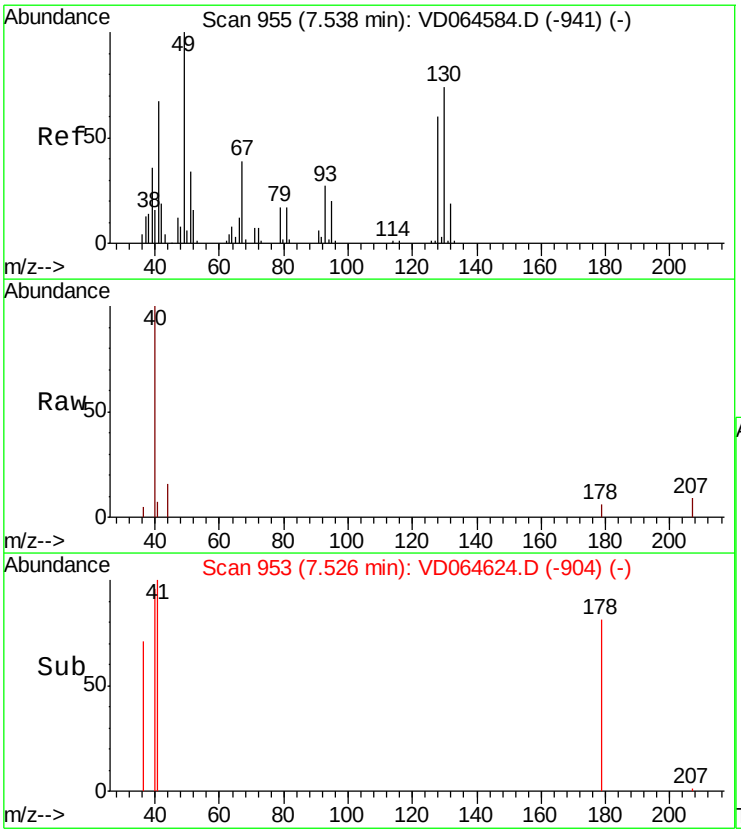
#40
Benzene
Concen: 3.355 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion: 78 Resp: 1154

Ion	Ratio	Lower	Upper
78	100		
77	0.0	19.9	29.9#

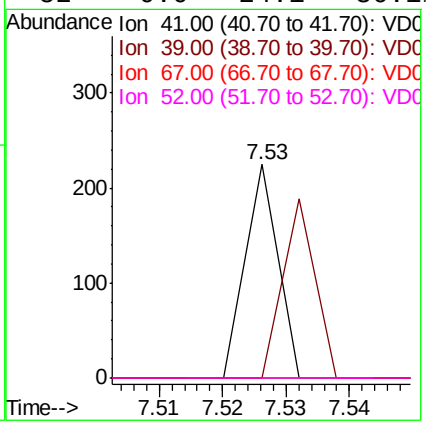


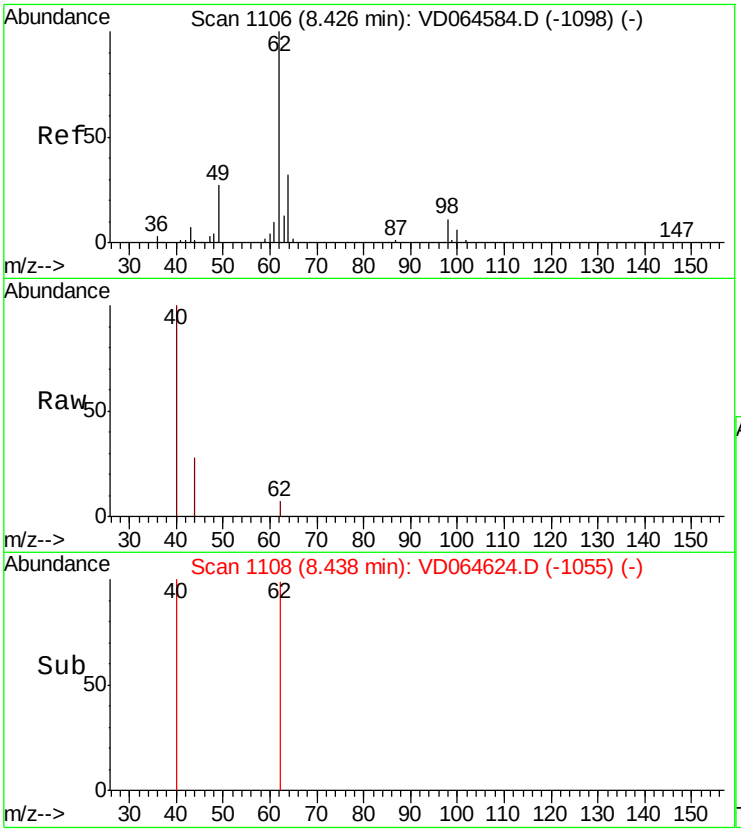


#41
Methacrylonitrile
Concen: 2.751 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion: 41 Resp: 79

Ion	Ratio	Lower	Upper
41	100		
39	84.8	46.7	70.1#
67	0.0	52.5	78.7#
52	0.0	24.1	36.1#



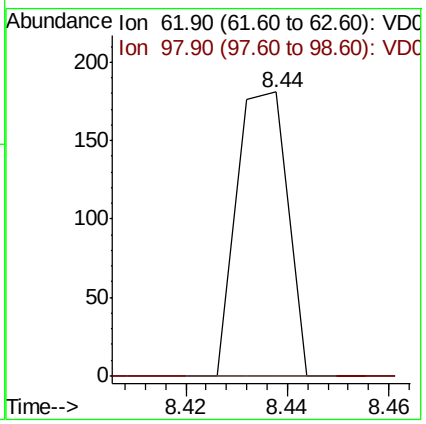


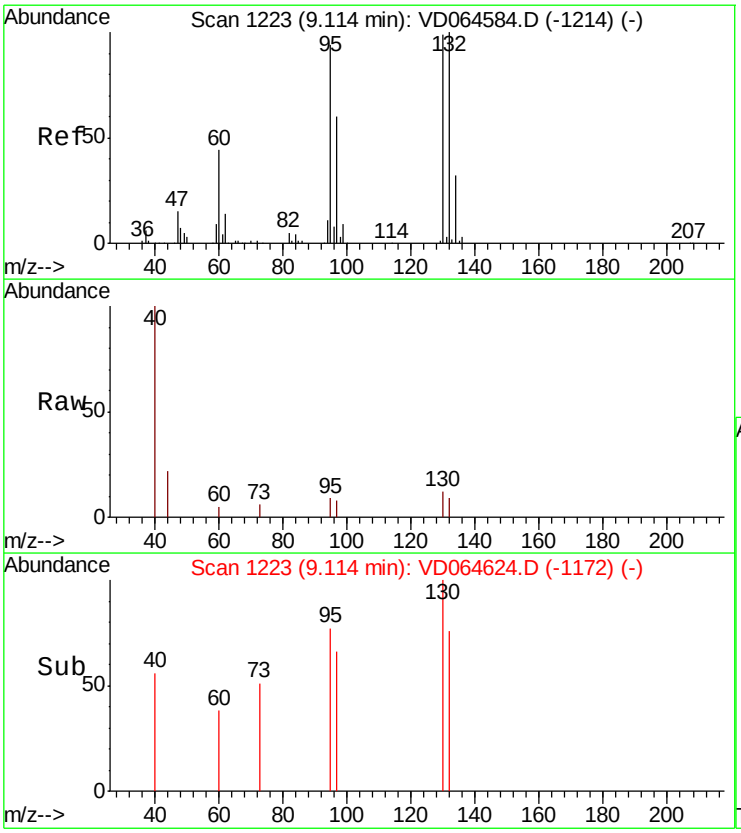
#42
1,2-Dichloroethane
Concen: 1.268 ug/l
RT: 8.44 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion: 62 Resp: 126

Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.0

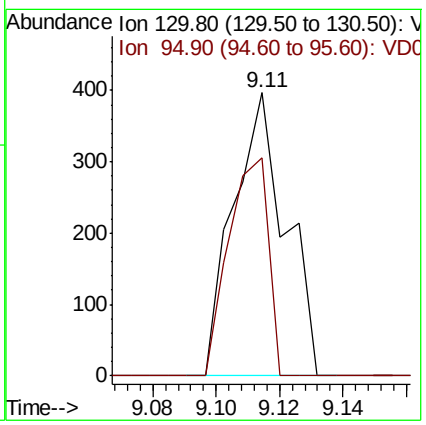


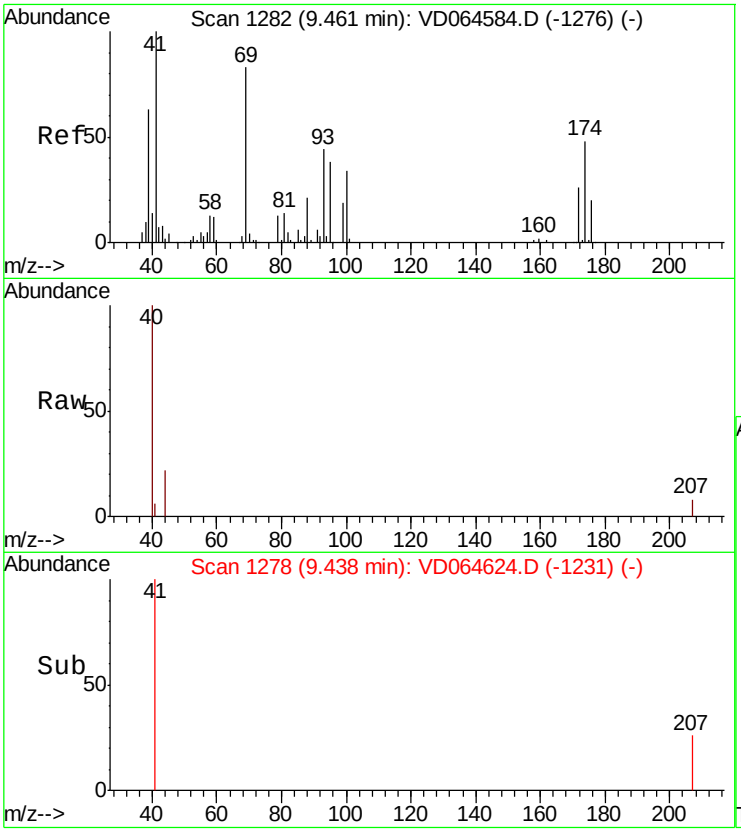


#44
Trichloroethene
Concen: 4.484 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion:130 Resp: 453

Ion	Ratio	Lower	Upper
130	100		
95	76.8	0.0	190.2



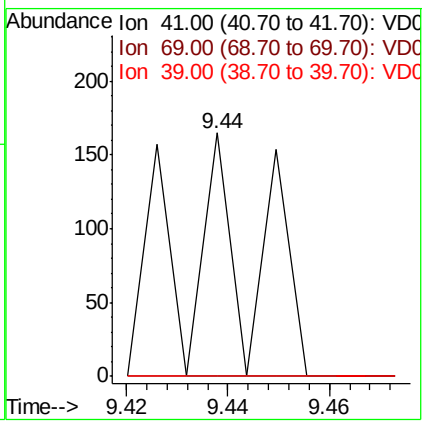


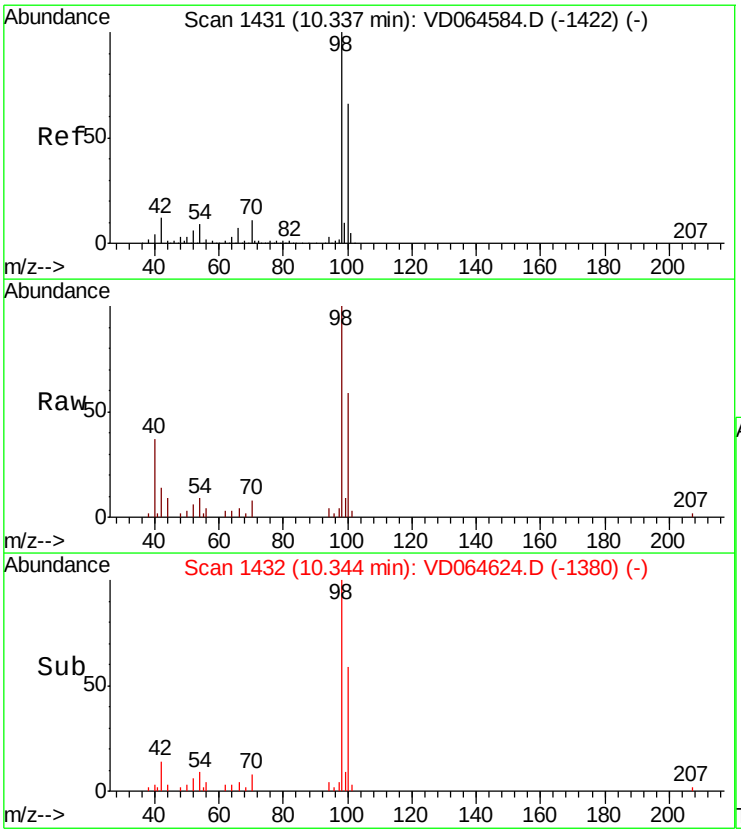
#48
Methyl methacrylate
Concen: 2.436 ug/l
RT: 9.44 min Scan# 1278
Delta R.T. -0.02 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion: 41 Resp: 113

Ion	Ratio	Lower	Upper
41	100		
69	0.0	63.0	94.6#
39	0.0	47.4	71.2#

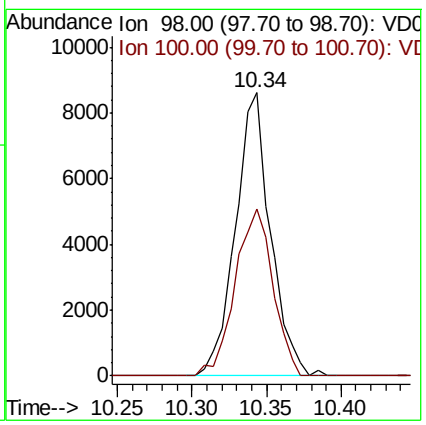


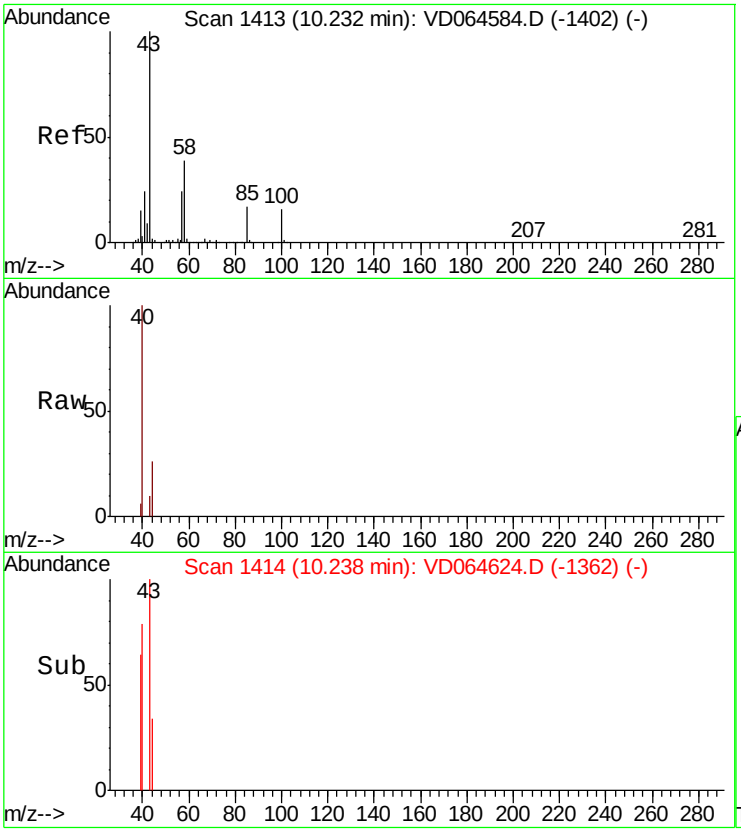


#50
Toluene-d8
Concen: 45.667 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion: 98 Resp: 14045

Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.7	77.5



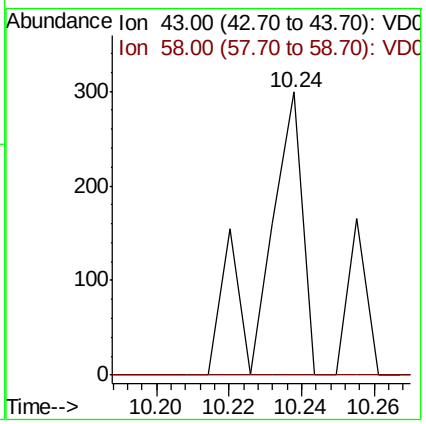


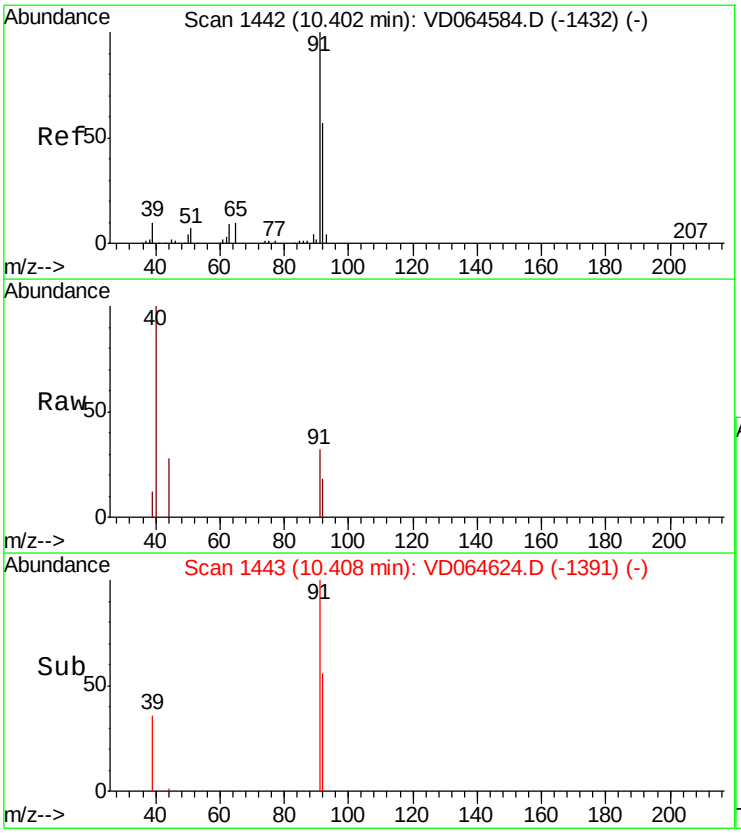
#51
4-Methyl-2-Pentanone
Concen: 4.457 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion: 43 Resp: 217

Ion	Ratio	Lower	Upper
43	100		
58	0.0	30.2	45.2#

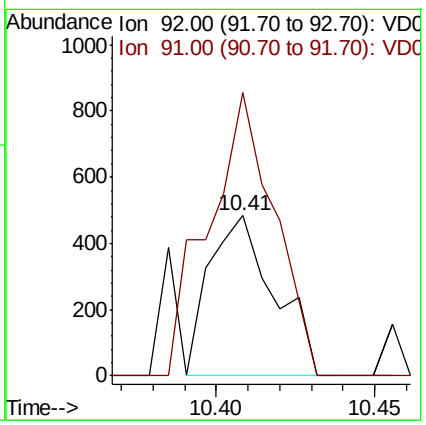


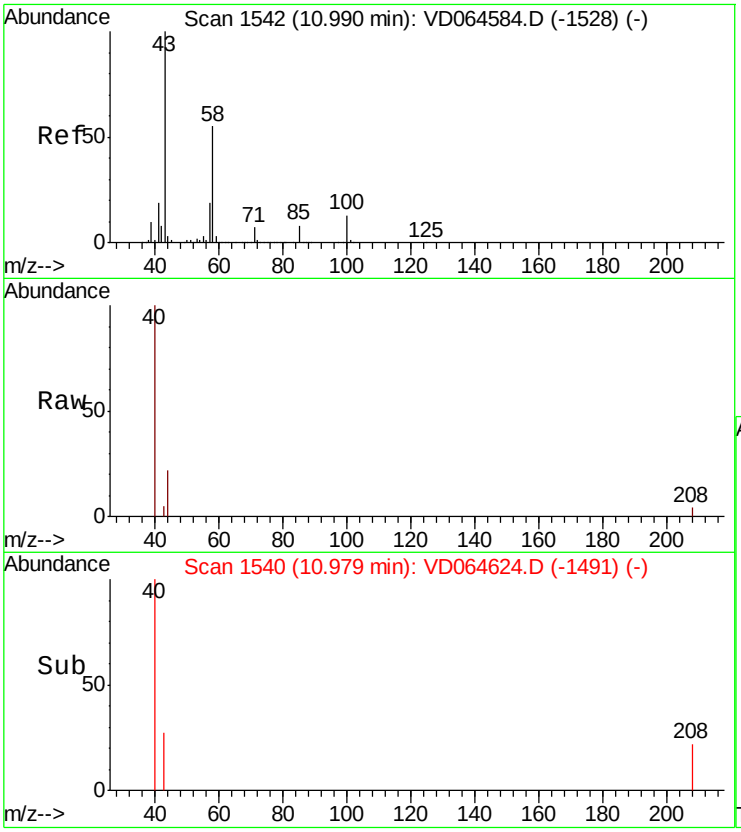


#52
Toluene
Concen: 3.054 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion: 92 Resp: 689

Ion	Ratio	Lower	Upper
92	100		
91	179.2	138.7	208.1



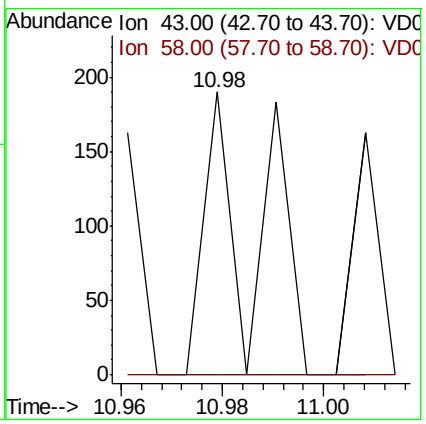


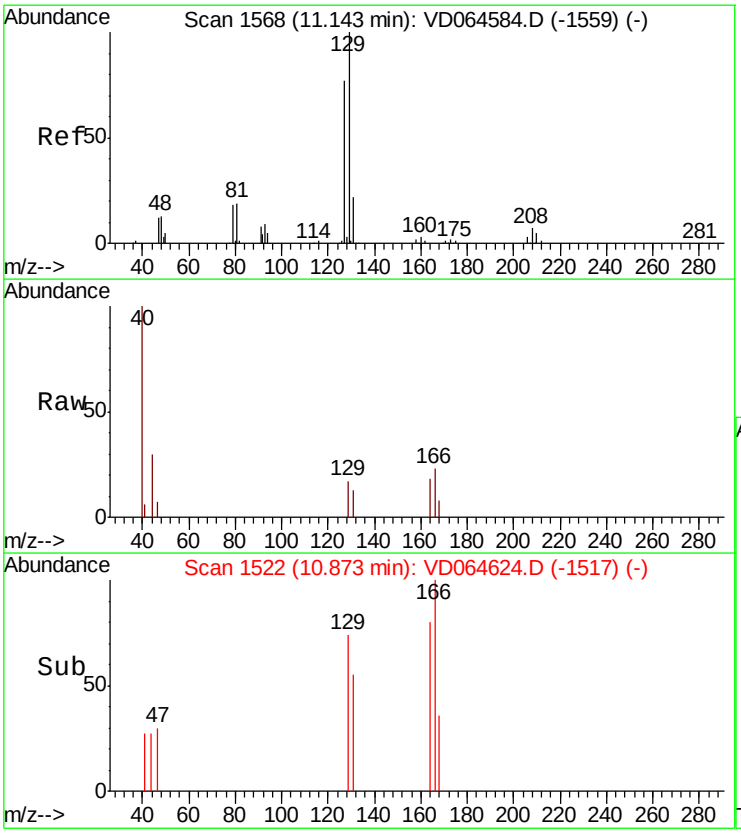
#59
2-Hexanone
Concen: 3.994 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion: 43 Resp: 132

Ion	Ratio	Lower	Upper
43	100		
58	0.0	26.4	79.0#

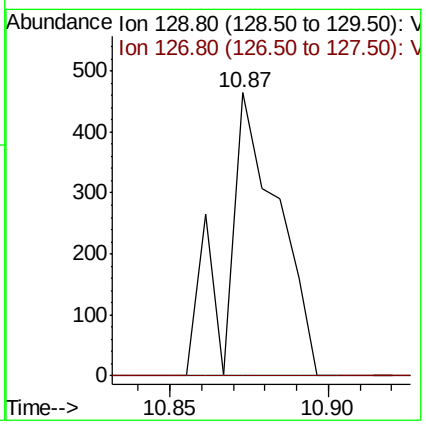


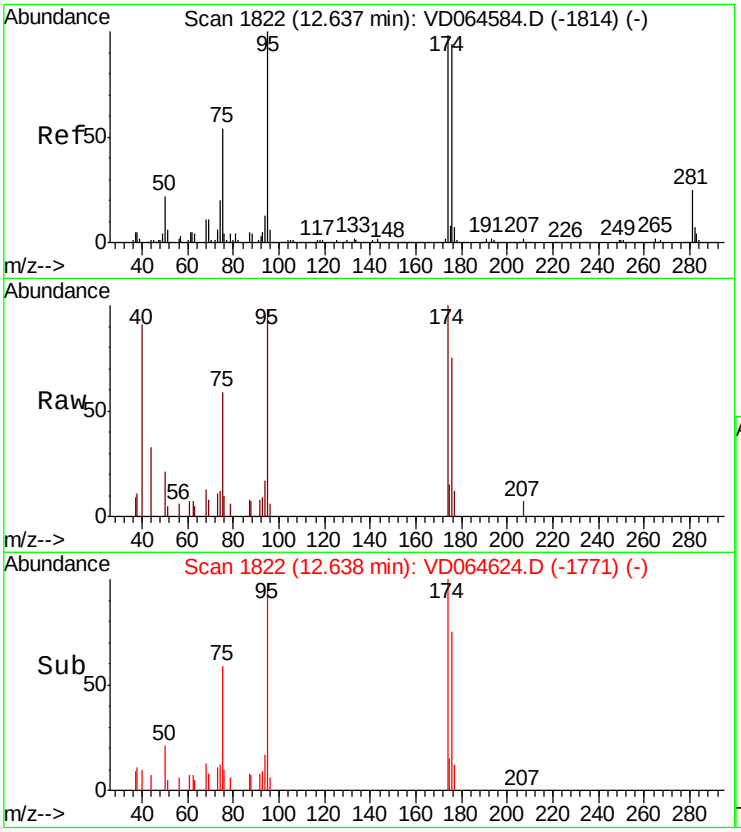


#60
Dibromochloromethane
Concen: 6.153 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.27 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion:129 Resp: 525

Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.4	115.2#



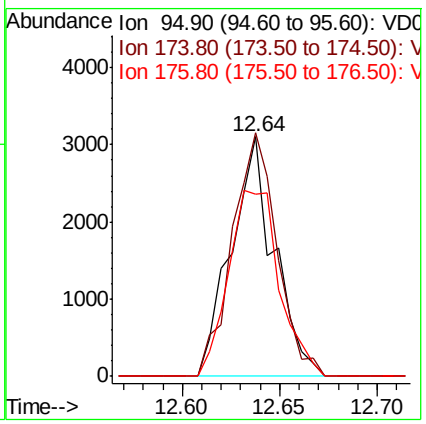


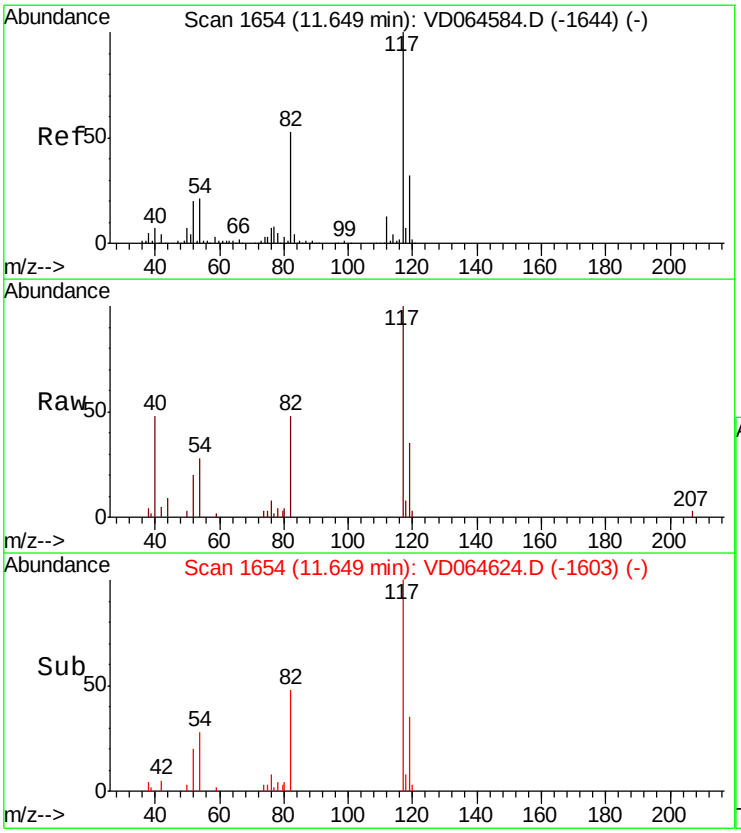
#62
4-Bromofluorobenzene
Concen: 48.832 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument :
MSVOA_D
ClientSampleId :
LIED-BF001-02

Tgt Ion: 95 Resp: 4749

Ion	Ratio	Lower	Upper
95	100		
174	104.9	0.0	193.2
176	91.3	0.0	184.2

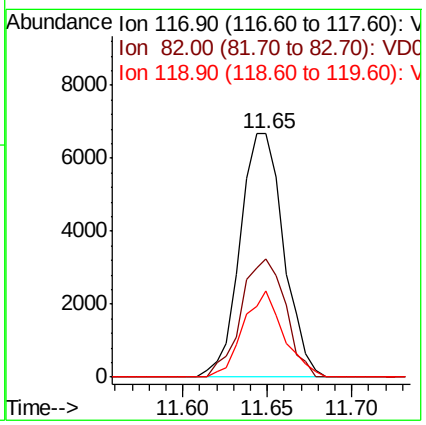


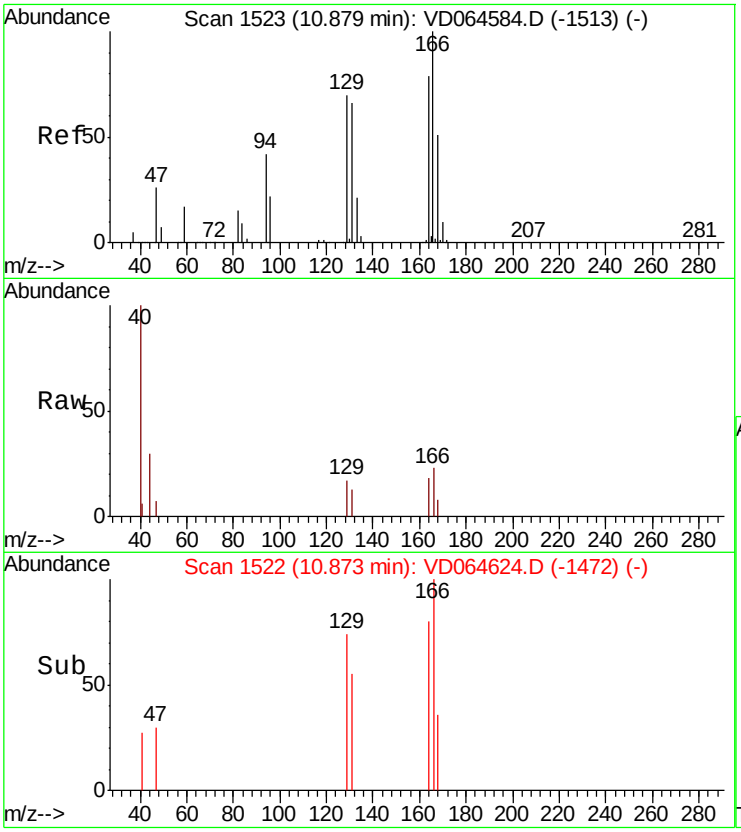


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion:117 Resp: 12012

Ion	Ratio	Lower	Upper
117	100		
82	48.5	42.2	63.4
119	35.4	26.0	39.0



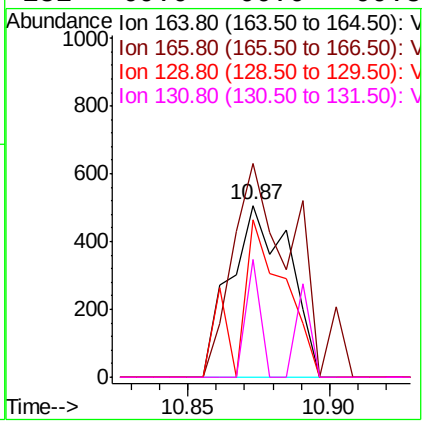


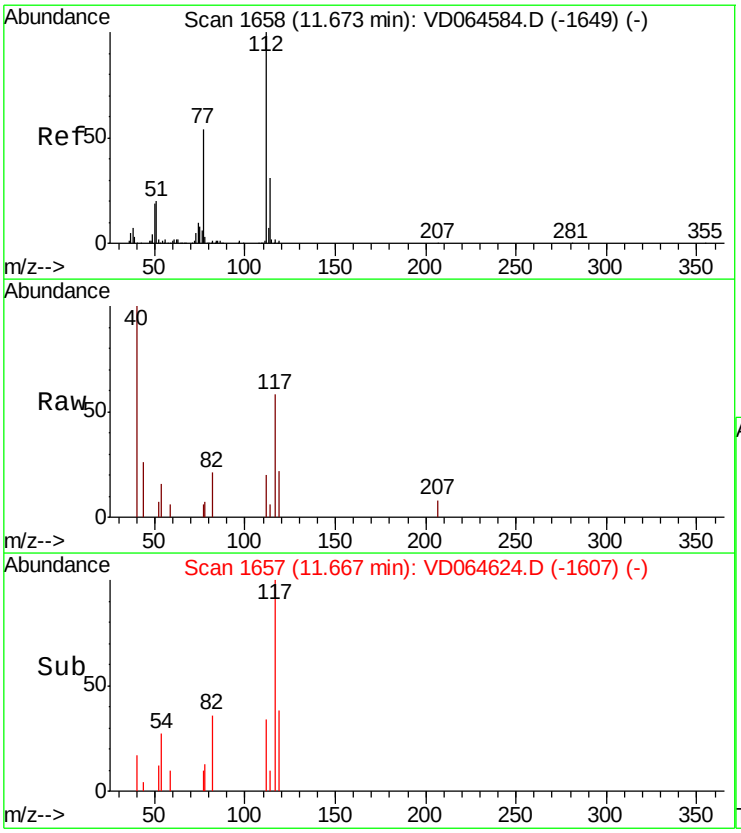
#64
Tetrachloroethene
Concen: 7.943 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion:164 Resp: 732

Ion	Ratio	Lower	Upper
164	100		
166	124.5	101.3	151.9
129	91.7	70.5	105.7
131	69.0	66.6	99.8

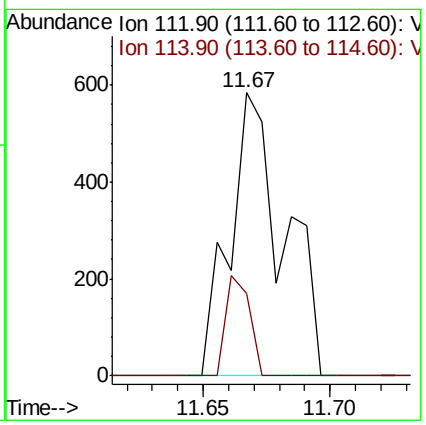


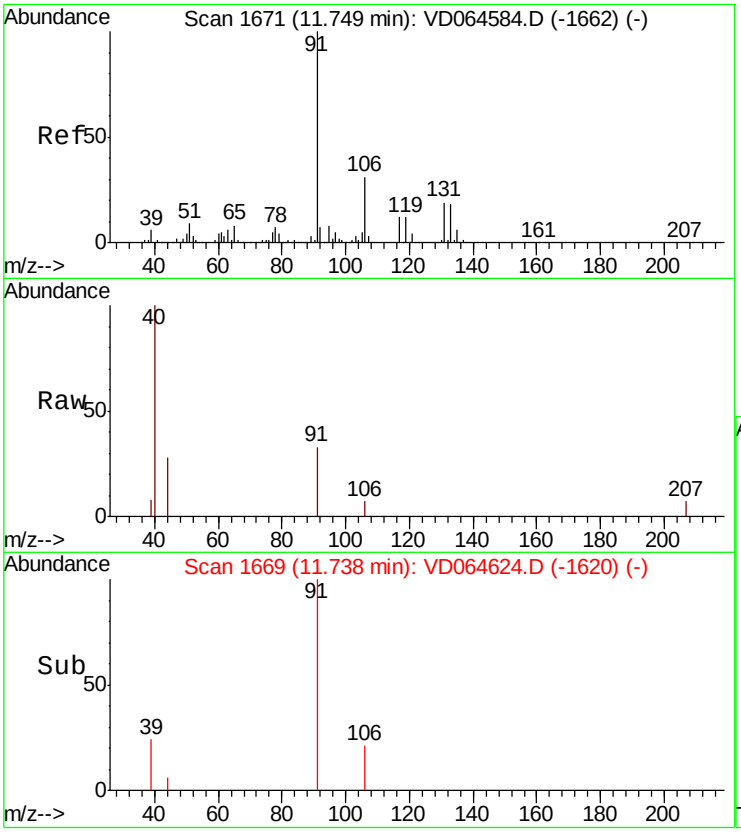


#65
Chlorobenzene
Concen: 3.442 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion:112 Resp: 858

Ion	Ratio	Lower	Upper
112	100		
114	28.9	24.8	37.2



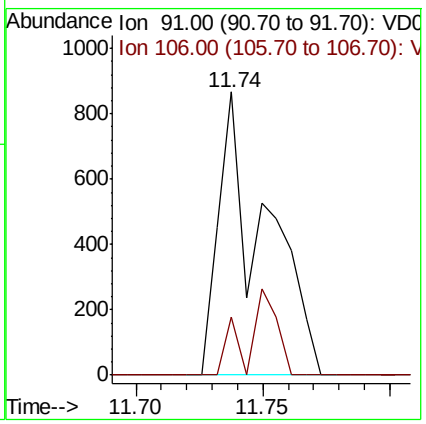


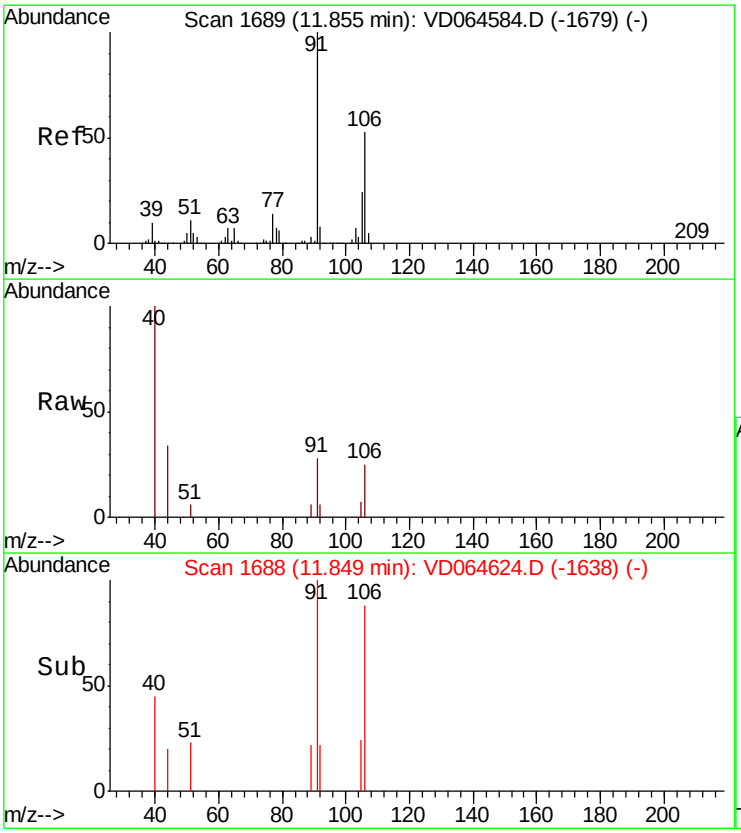
#67
Ethyl Benzene
Concen: 2.429 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion: 91 Resp: 1099

Ion	Ratio	Lower	Upper
91	100		
106	20.6	24.6	36.8#

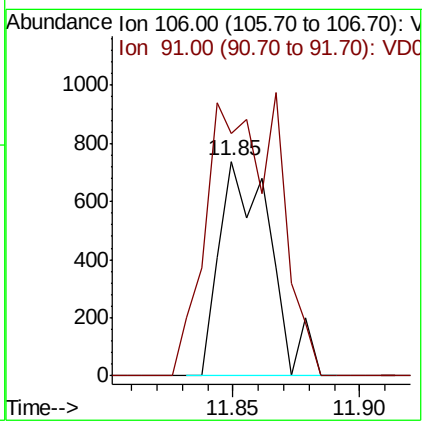


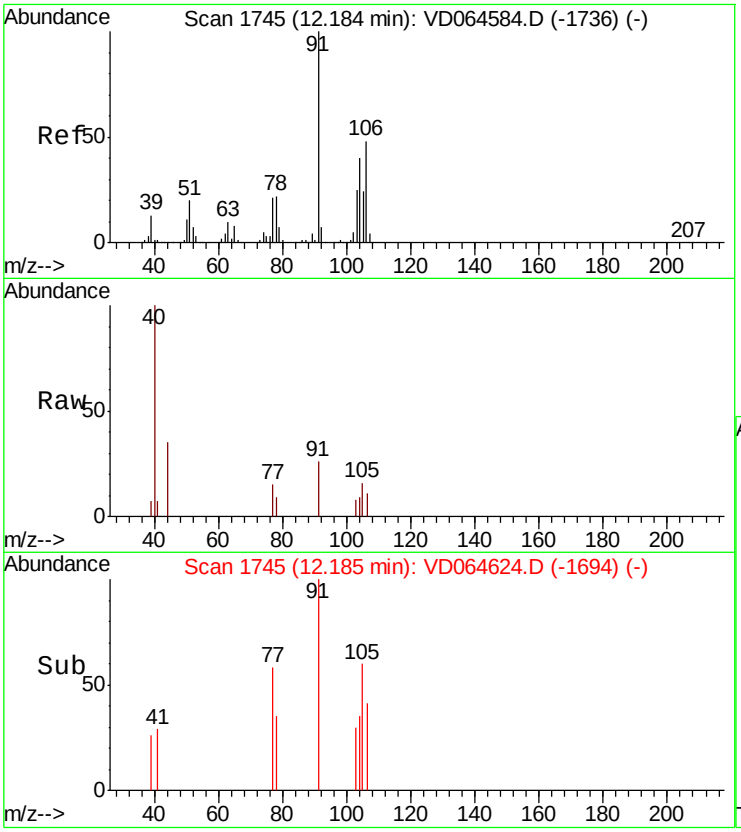


#68
m/p-Xylenes
Concen: 5.943 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion:106 Resp: 1038

Ion	Ratio	Lower	Upper
106	100		
91	181.2	156.3	234.5



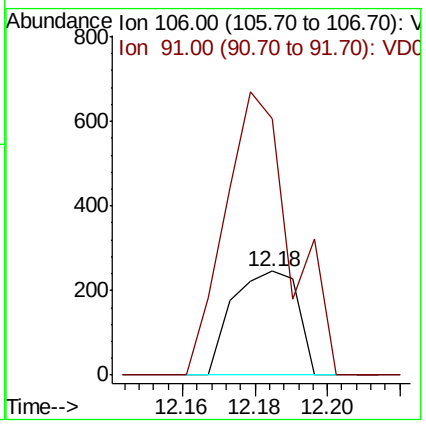


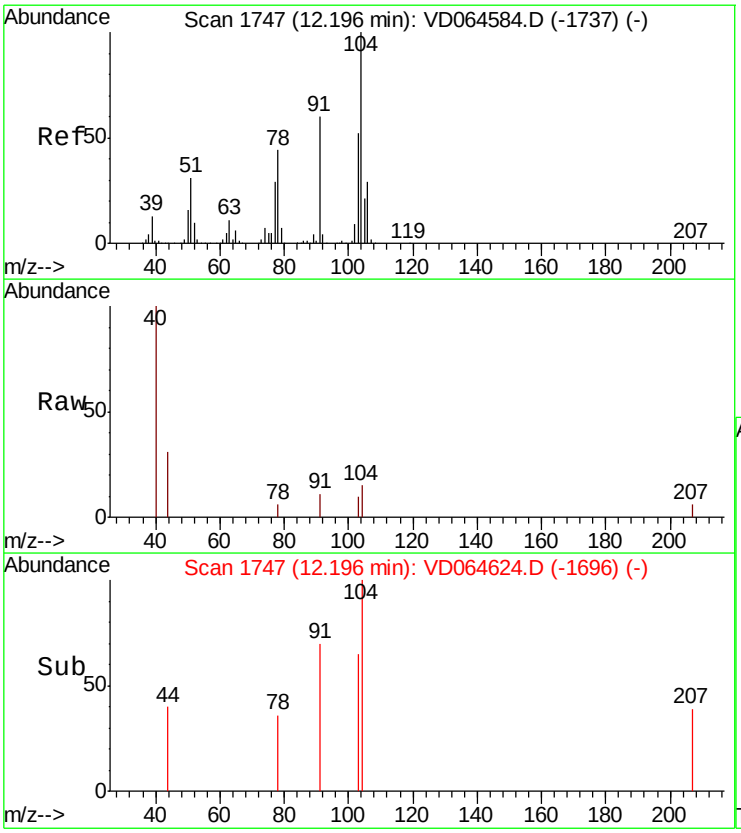
#69
o-Xylene
Concen: 1.959 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument :
MSVOA_D
ClientSampleId :
LIED-BF001-02

Tgt Ion:106 Resp: 309

Ion	Ratio	Lower	Upper
106	100		
91	274.8	104.8	314.4

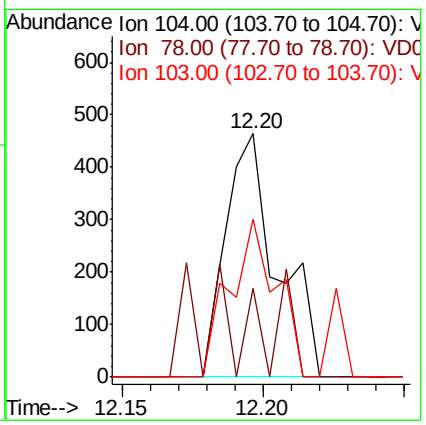


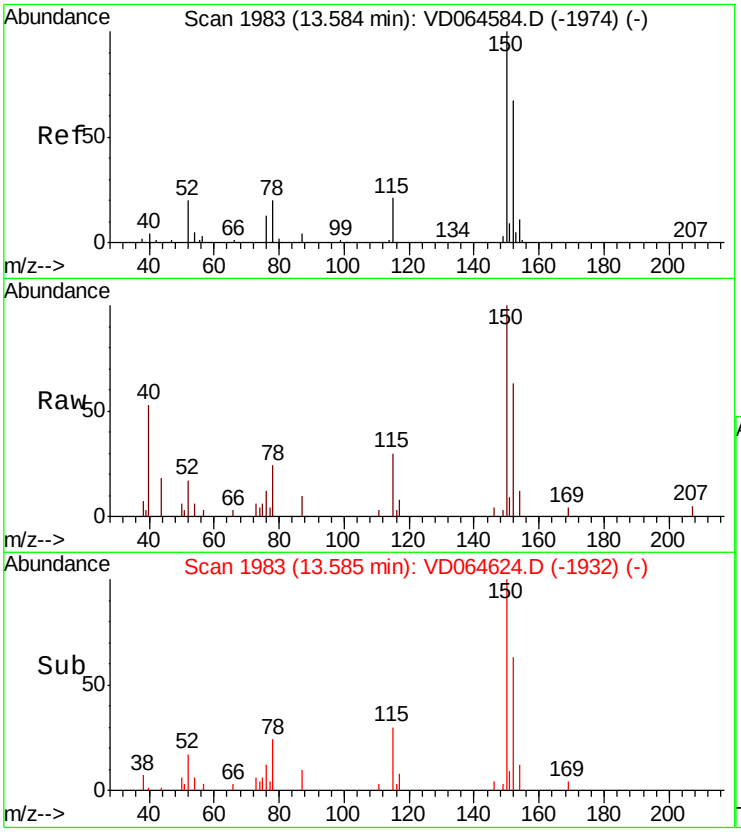


#70
Styrene
Concen: 2.123 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion:104 Resp: 588

Ion	Ratio	Lower	Upper
104	100		
78	0.0	38.2	57.2#
103	59.0	44.6	67.0



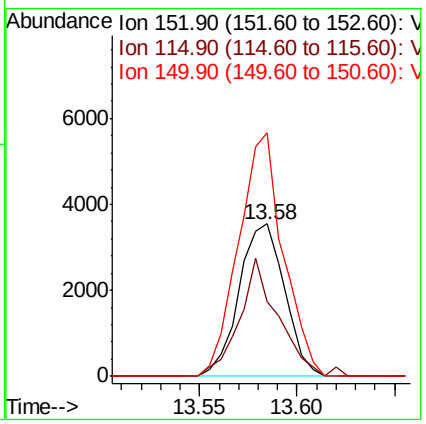


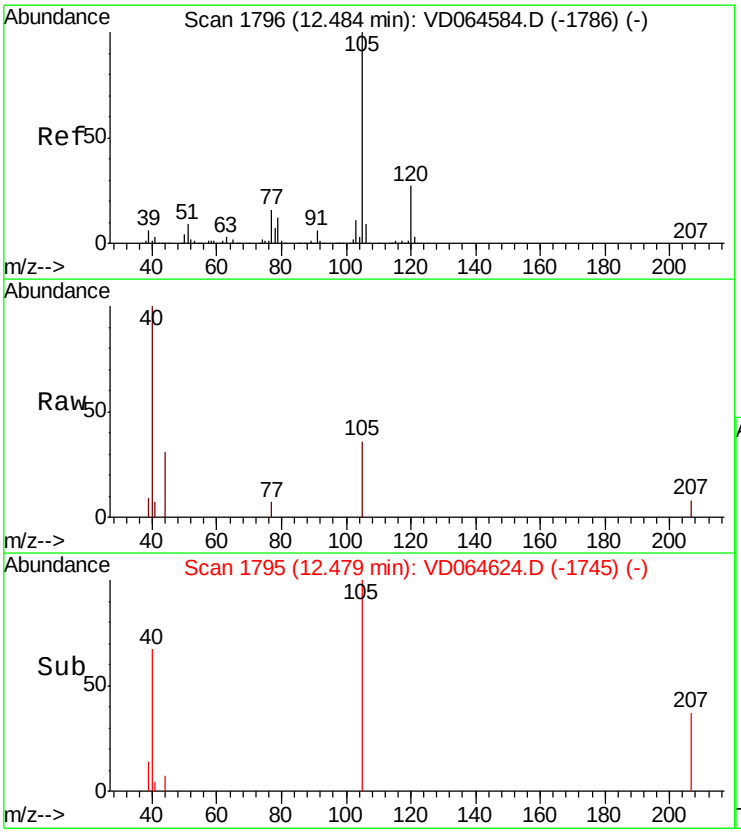
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion:152 Resp: 5728

Ion	Ratio	Lower	Upper
152	100		
115	66.4	27.8	83.4
150	156.1	0.0	351.4

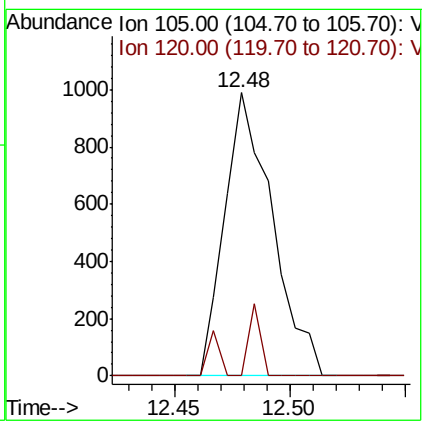


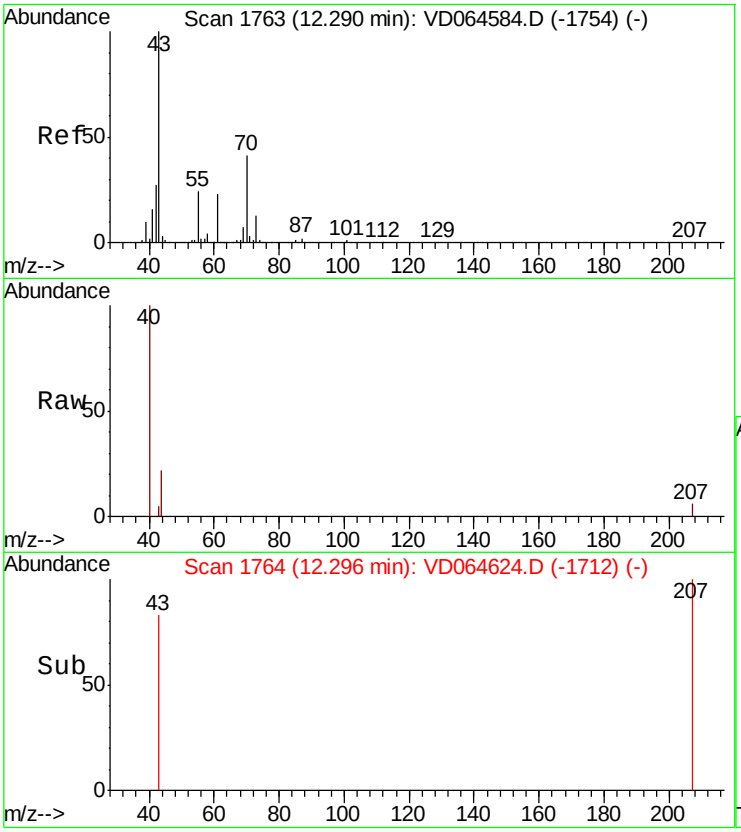


#73
Isopropylbenzene
Concen: 3.479 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion:105 Resp: 1424

Ion	Ratio	Lower	Upper
105	100		
120	6.3	13.5	40.5#



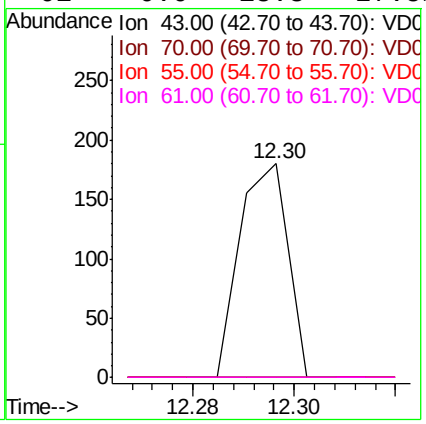


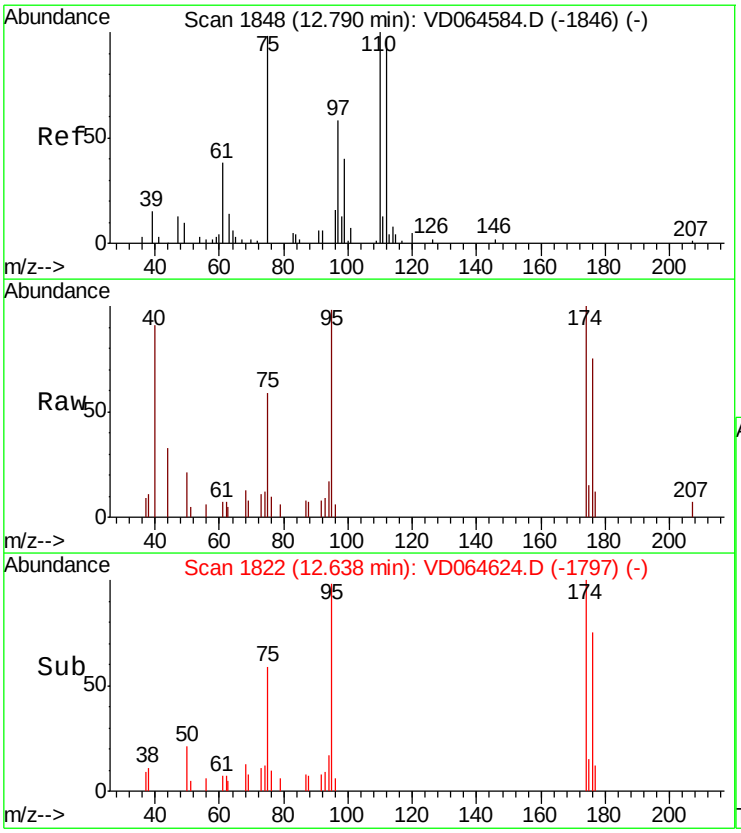
#74
N-amyl acetate
Concen: 1.349 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion: 43 Resp: 118

Ion	Ratio	Lower	Upper
43	100		
70	0.0	33.4	50.0#
55	0.0	19.4	29.0#
61	0.0	18.3	27.5#

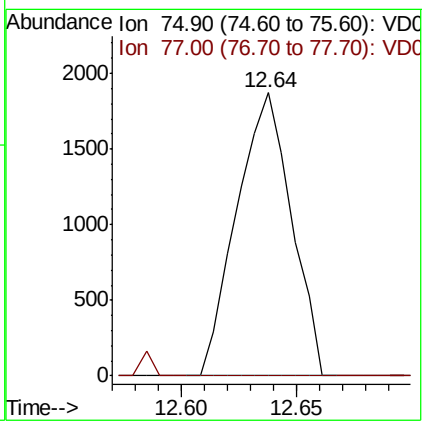


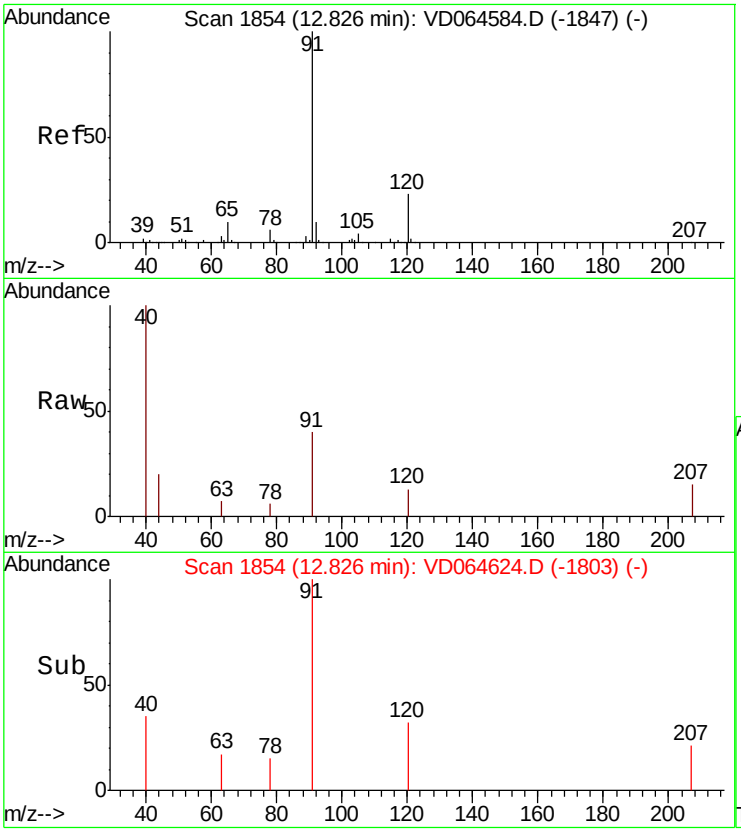


#76
1,2,3-Trichloropropane
Concen: 67.983 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion: 75 Resp: 3075

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



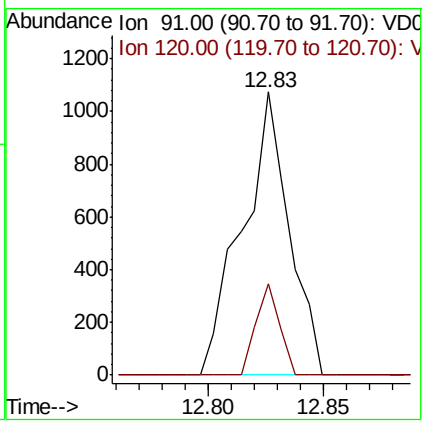


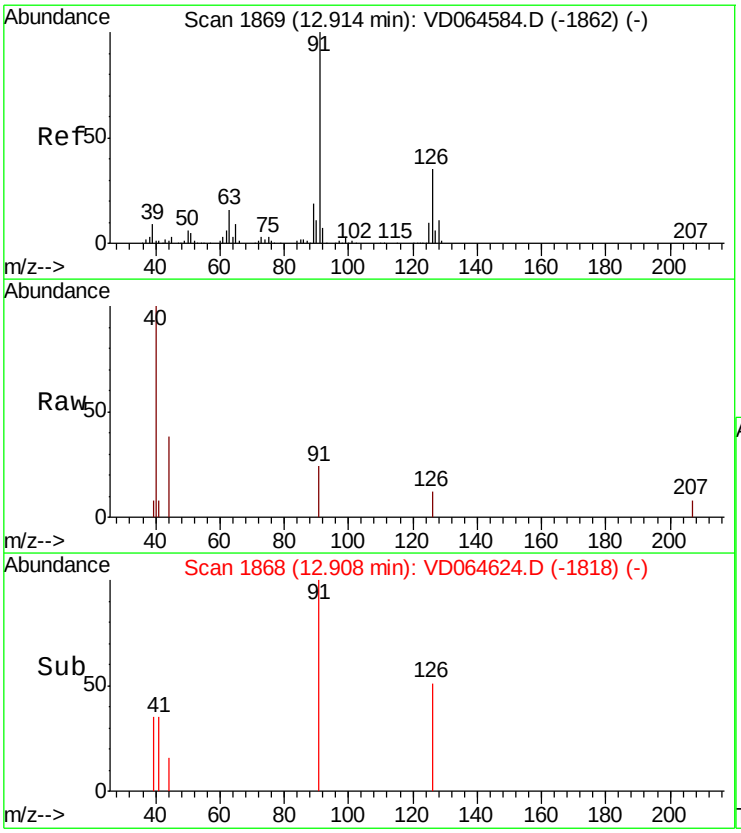
#78
n-propylbenzene
Concen: 3.170 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion: 91 Resp: 1514

Ion	Ratio	Lower	Upper
91	100		
120	16.4	11.9	35.9

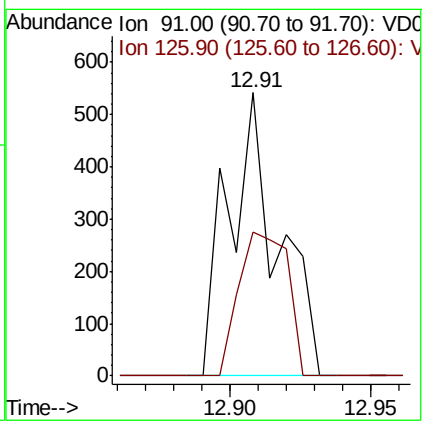


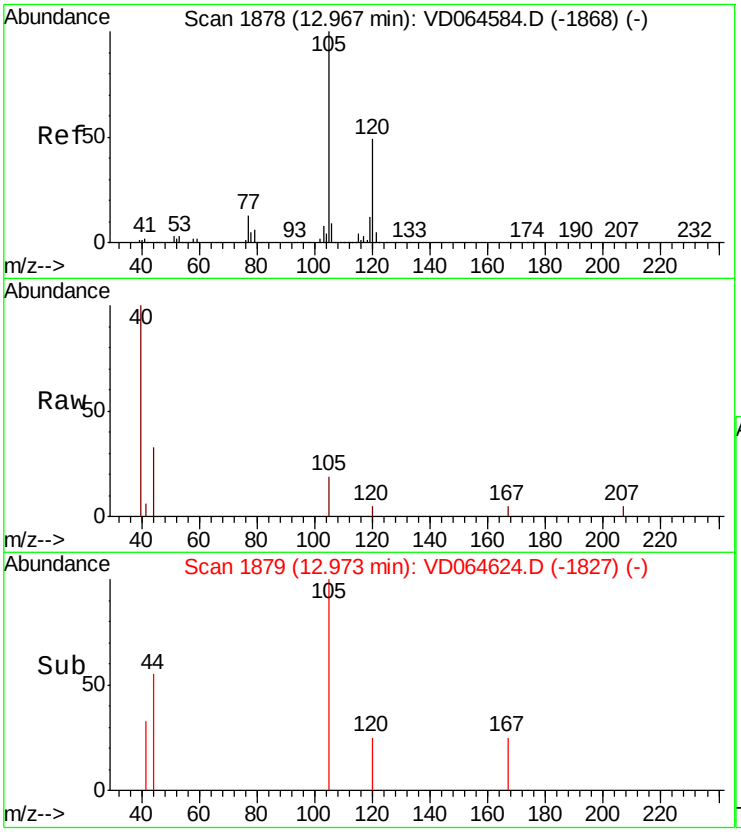


#79
2-Chlorotoluene
Concen: 2.508 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion: 91 Resp: 658

Ion	Ratio	Lower	Upper
91	100		
126	50.2	17.8	53.5



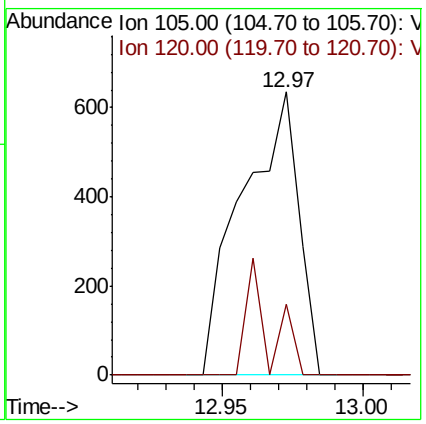


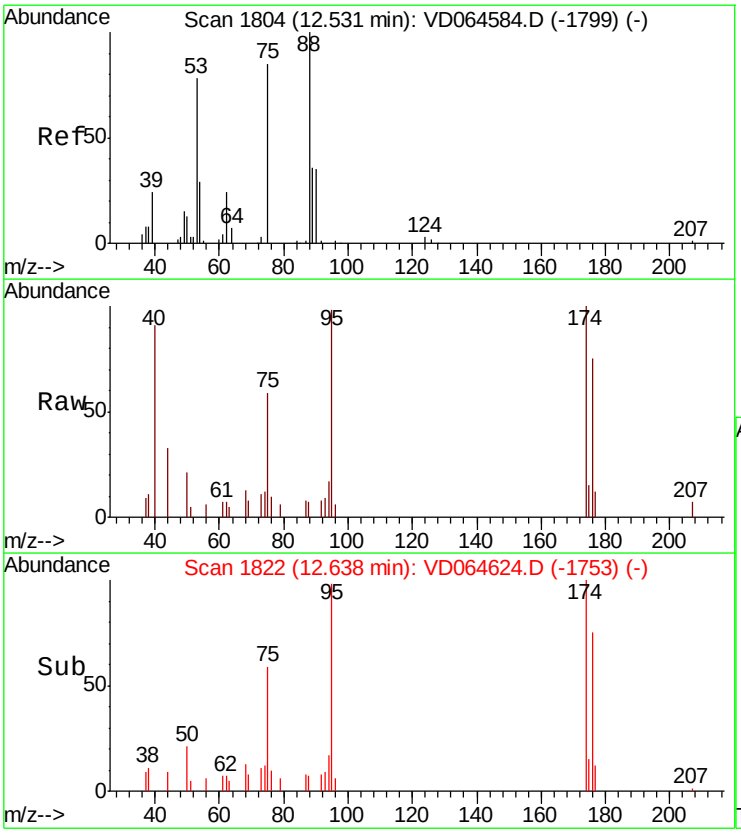
#80
1,3,5-Trimethylbenzene
Concen: 2.635 ug/l
RT: 12.97 min Scan# 1879
Delta R.T. 0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument :
MSVOA_D
ClientSampleId :
LIED-BF001-02

Tgt Ion:105 Resp: 886

Ion	Ratio	Lower	Upper
105	100		
120	16.8	25.0	75.0#

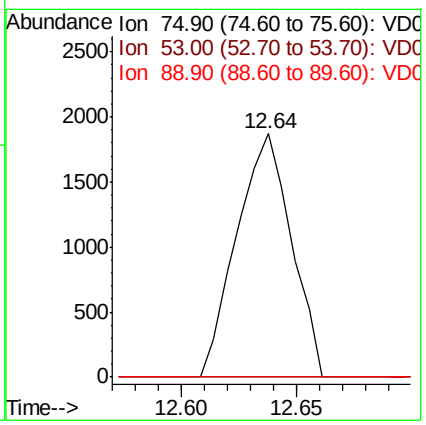


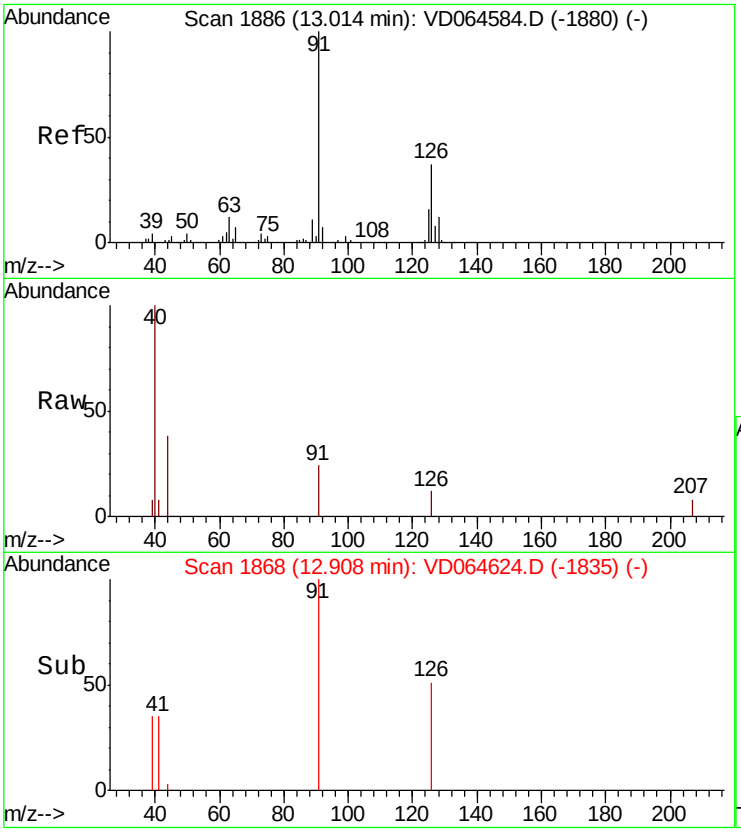


#81
trans-1,4-Dichloro-2-butene
Concen: 142.185 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.11 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion: 75 Resp: 3075

Ion	Ratio	Lower	Upper
75	100		
53	0.0	78.8	118.2#
89	0.0	38.3	57.5#



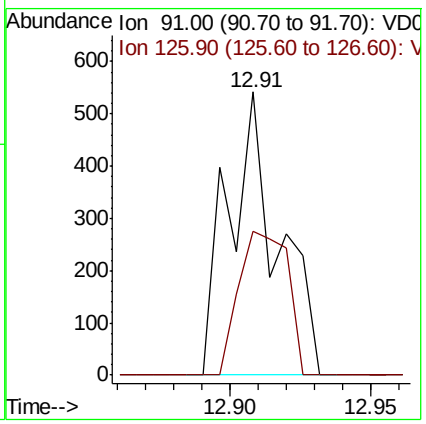


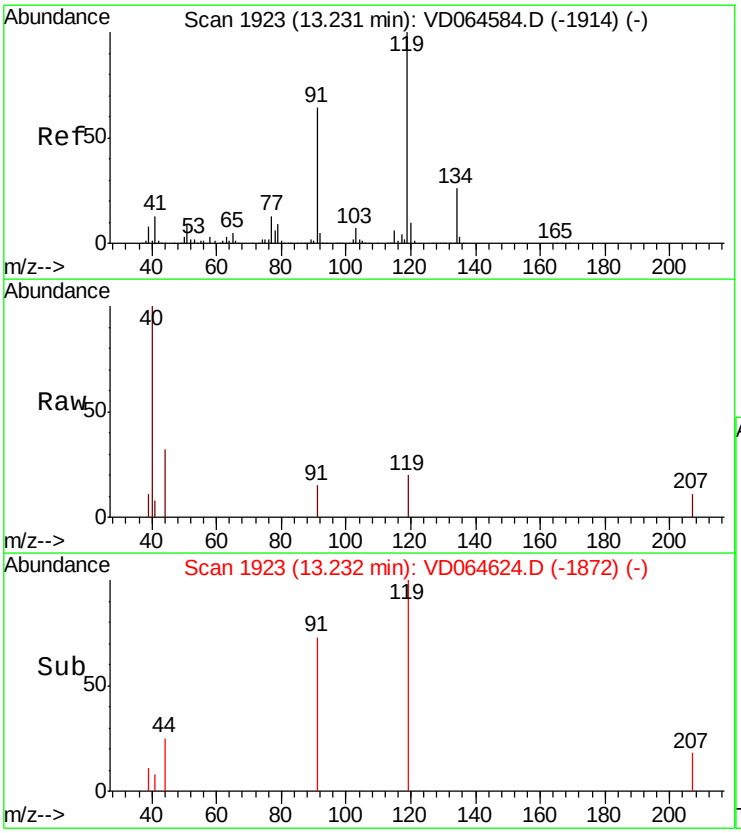
#82
4-Chlorotoluene
Concen: 2.357 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.11 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion: 91 Resp: 658

Ion	Ratio	Lower	Upper
91	100		
126	50.2	17.8	53.5

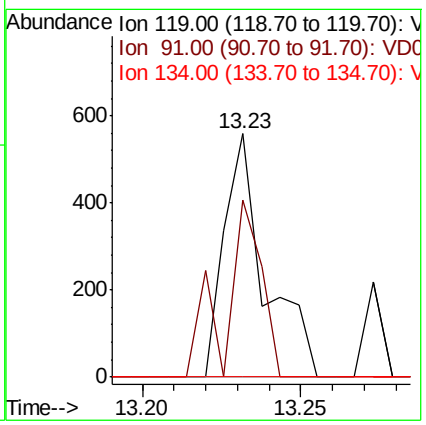


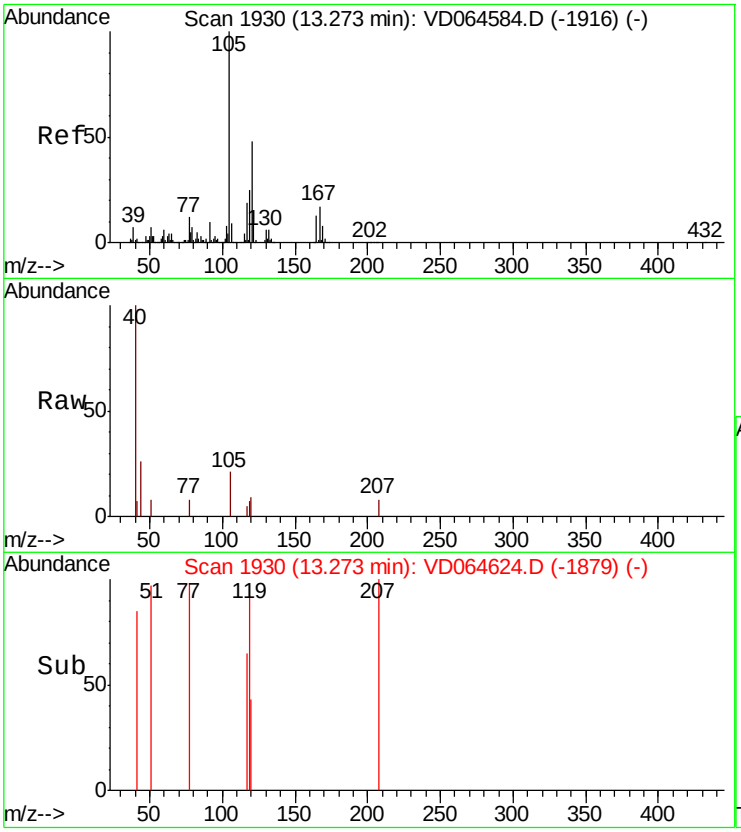


#83
tert-Butylbenzene
Concen: 1.699 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion:119 Resp: 496

Ion	Ratio	Lower	Upper
119	100		
91	64.5	30.8	92.4
134	0.0	12.8	38.3#



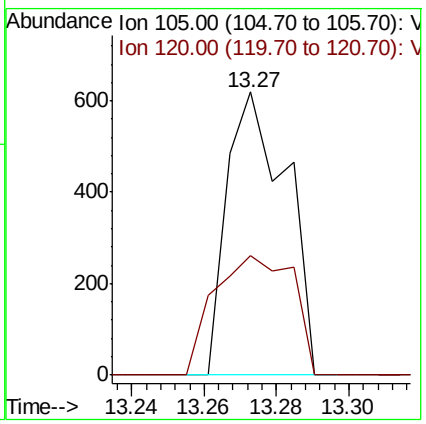


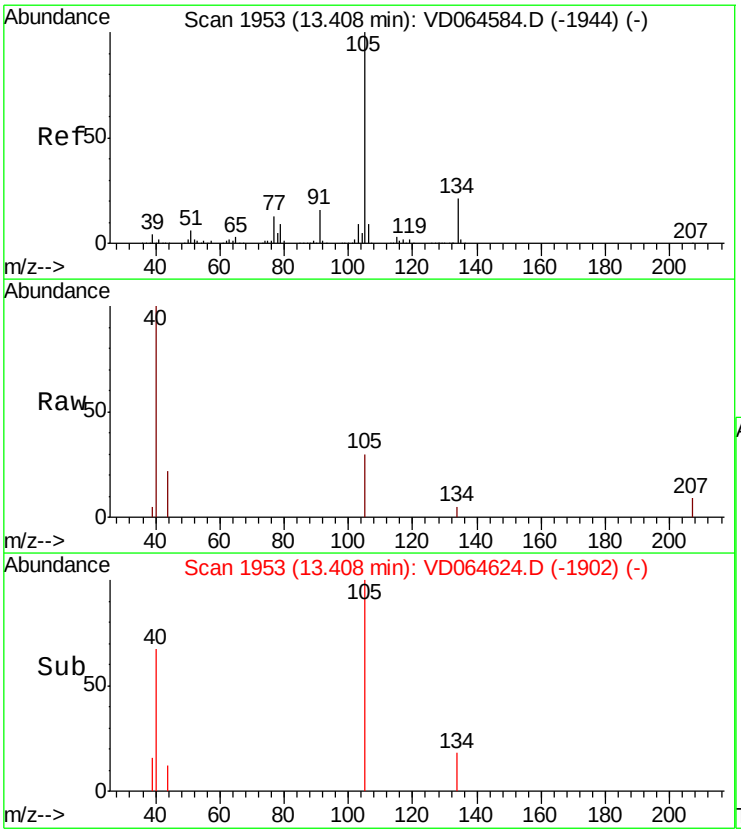
#84
1,2,4-Trimethylbenzene
Concen: 2.102 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion:105 Resp: 704

Ion	Ratio	Lower	Upper
105	100		
120	56.1	23.8	71.2

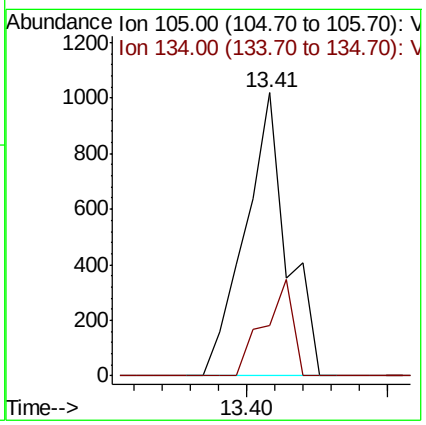


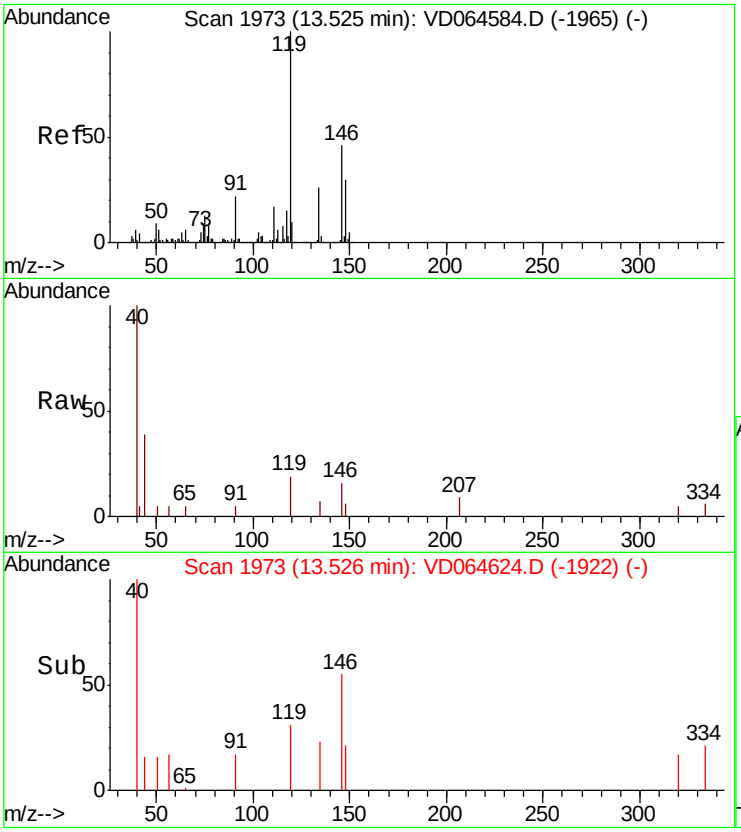


#85
sec-Butylbenzene
Concen: 2.623 ug/l
RT: 13.41 min Scan# 1953
Delta R.T. 0.00 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion:105 Resp: 1050

Ion	Ratio	Lower	Upper
105	100		
134	23.4	10.6	31.8



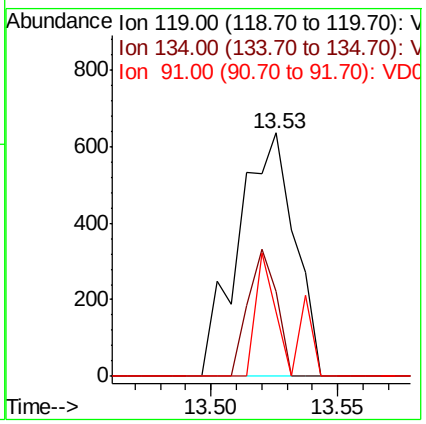


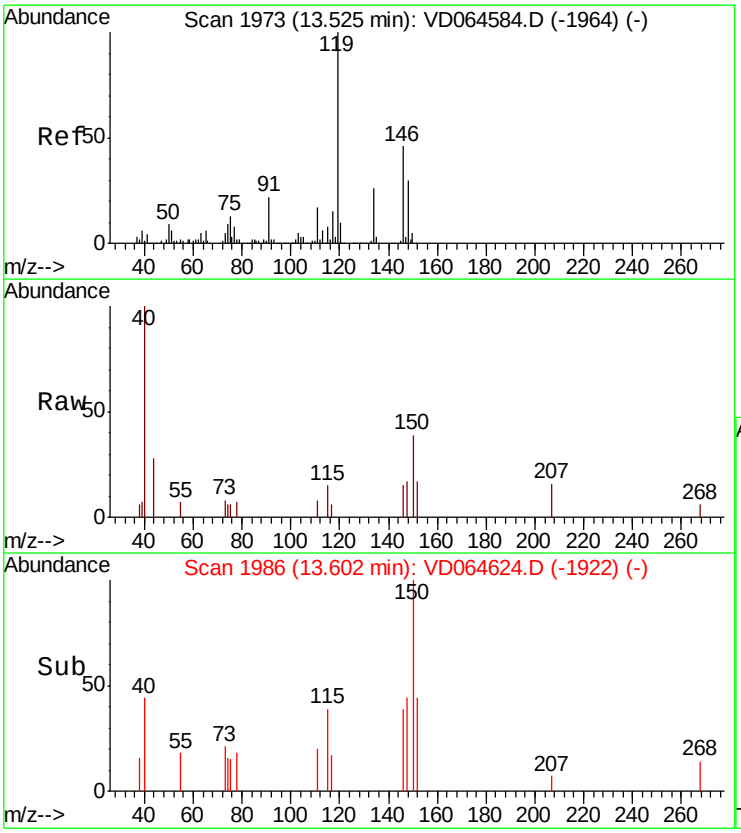
#86
p-Isopropyltoluene
Concen: 2.574 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion:119 Resp: 985

Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.4	40.1
91	17.6	11.2	33.6

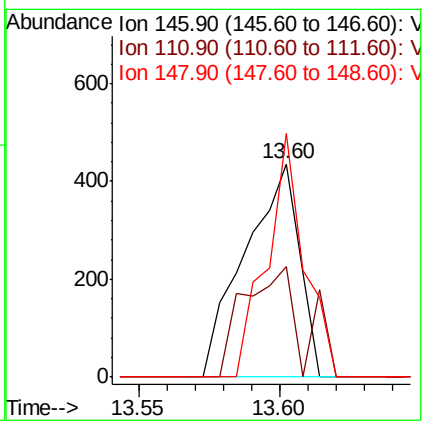


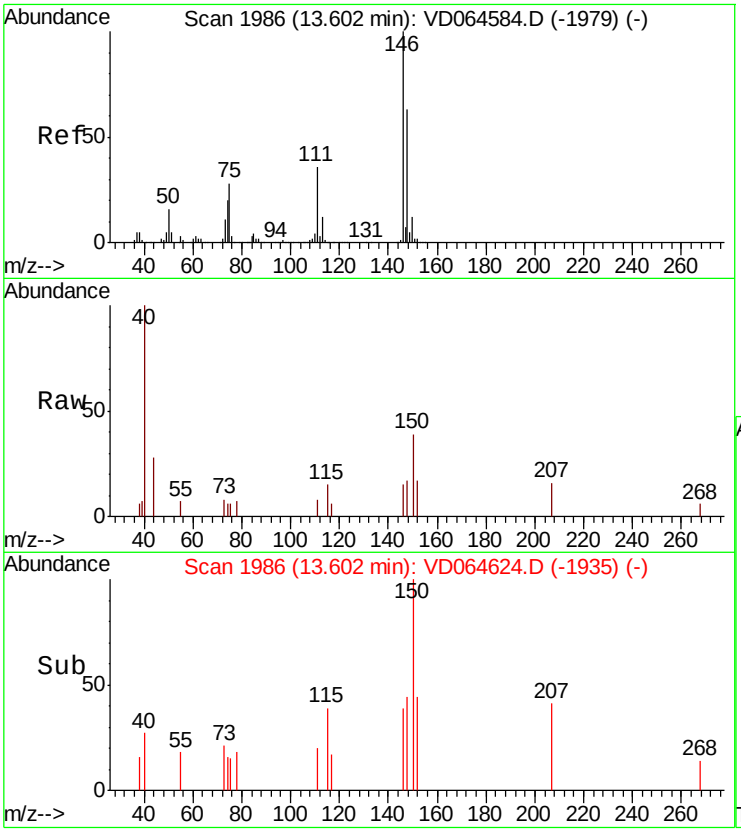


#87
1,3-Dichlorobenzene
Concen: 3.041 ug/l
RT: 13.60 min Scan# 1986
Delta R.T. 0.08 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion:146 Resp: 583

Ion	Ratio	Lower	Upper
146	100		
111	56.1	18.8	56.4
148	78.6	32.5	97.5



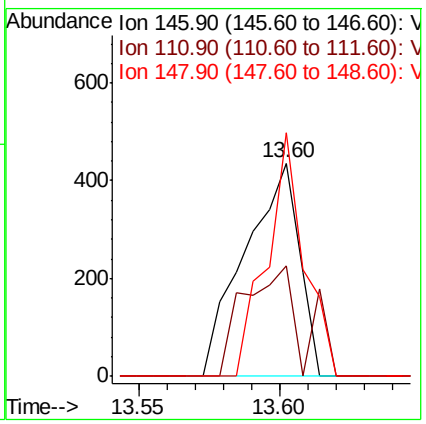


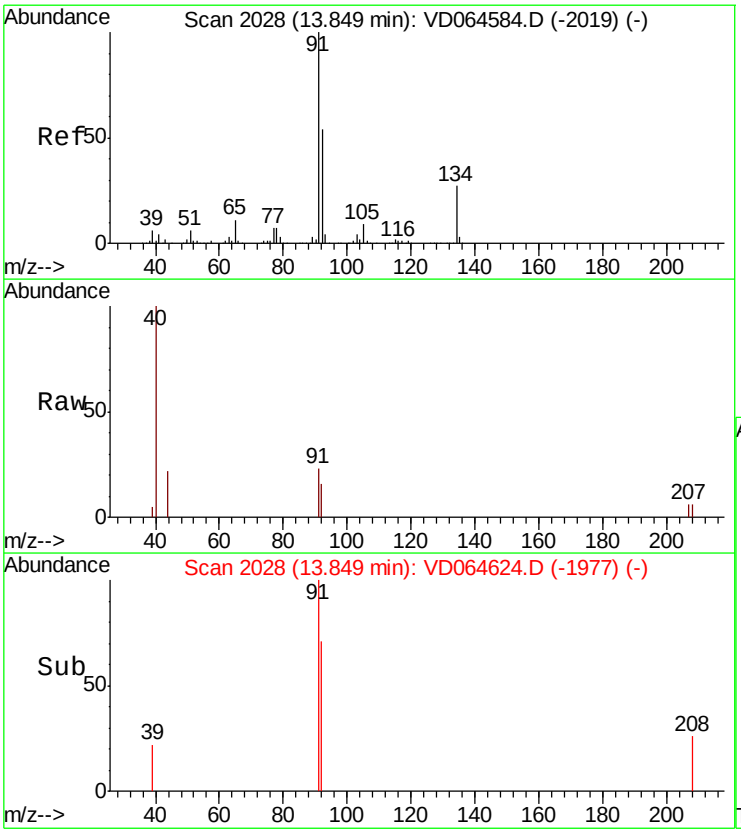
#88
1,4-Dichlorobenzene
Concen: 3.095 ug/l
RT: 13.60 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion:146 Resp: 583

Ion	Ratio	Lower	Upper
146	100		
111	56.1	18.1	54.1#
148	78.6	32.3	96.9

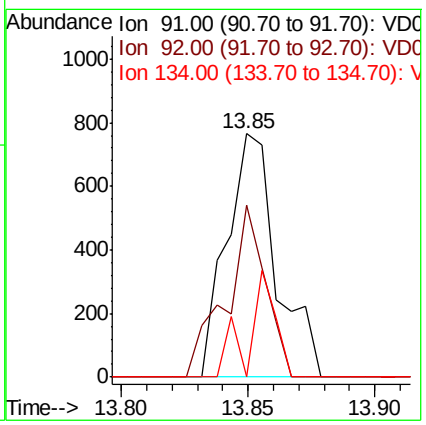


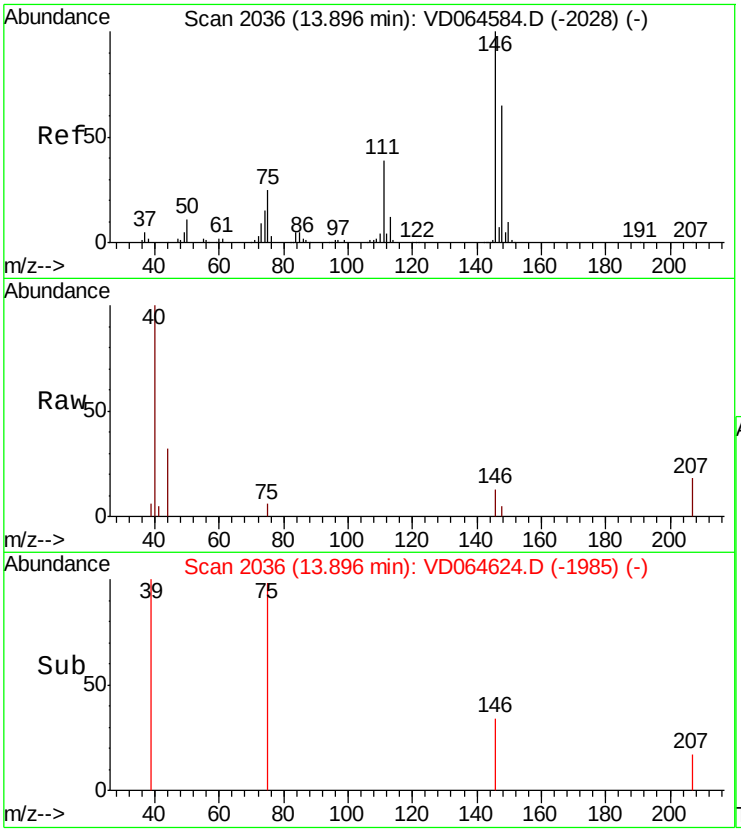


#89
n-Butylbenzene
Concen: 3.050 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion: 91 Resp: 1051

Ion	Ratio	Lower	Upper
91	100		
92	55.3	26.8	80.4
134	24.0	14.0	41.9



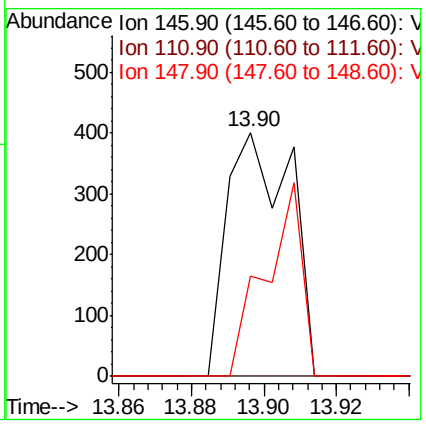


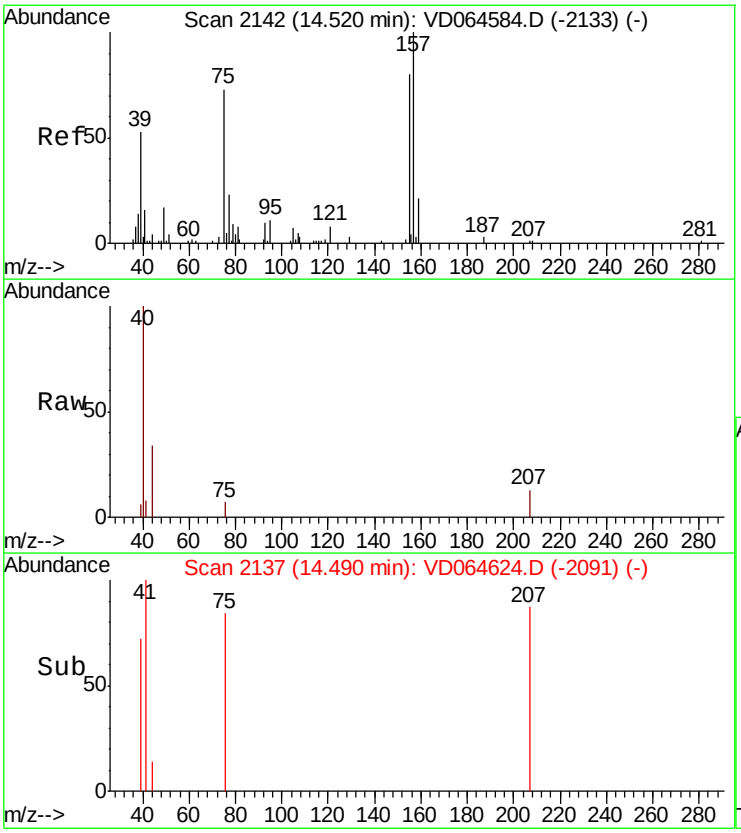
#91
1,2-Dichlorobenzene
Concen: 2.985 ug/l
RT: 13.90 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion:146 Resp: 488

Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.3	57.9#
148	46.1	31.9	95.5

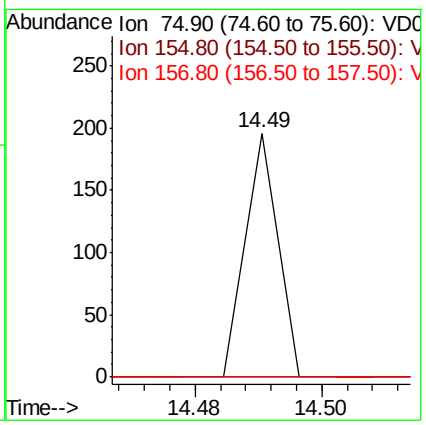


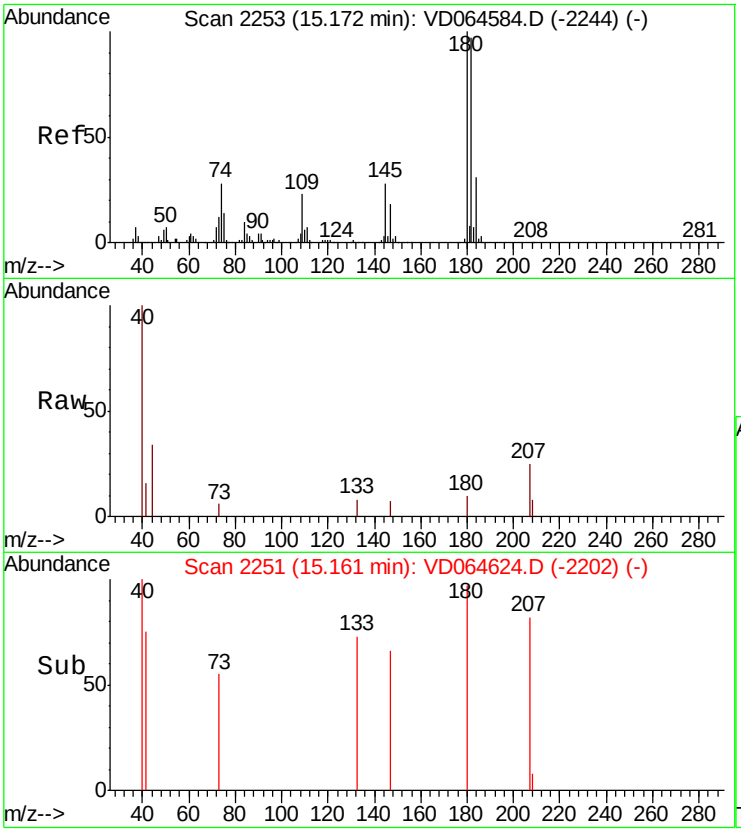


#92
1,2-Dibromo-3-Chloropropane
Concen: 6.619 ug/l
RT: 14.49 min Scan# 2137
Delta R.T. -0.03 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion: 75 Resp: 69

Ion	Ratio	Lower	Upper
75	100		
155	0.0	48.0	144.0#
157	0.0	64.1	192.3#



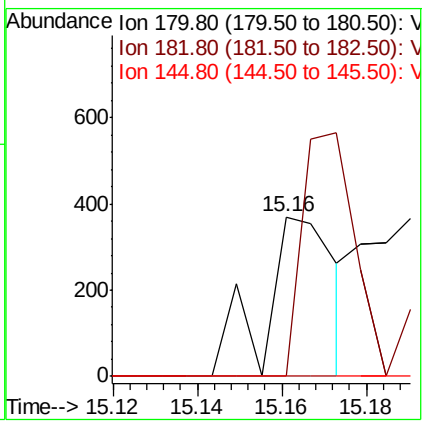


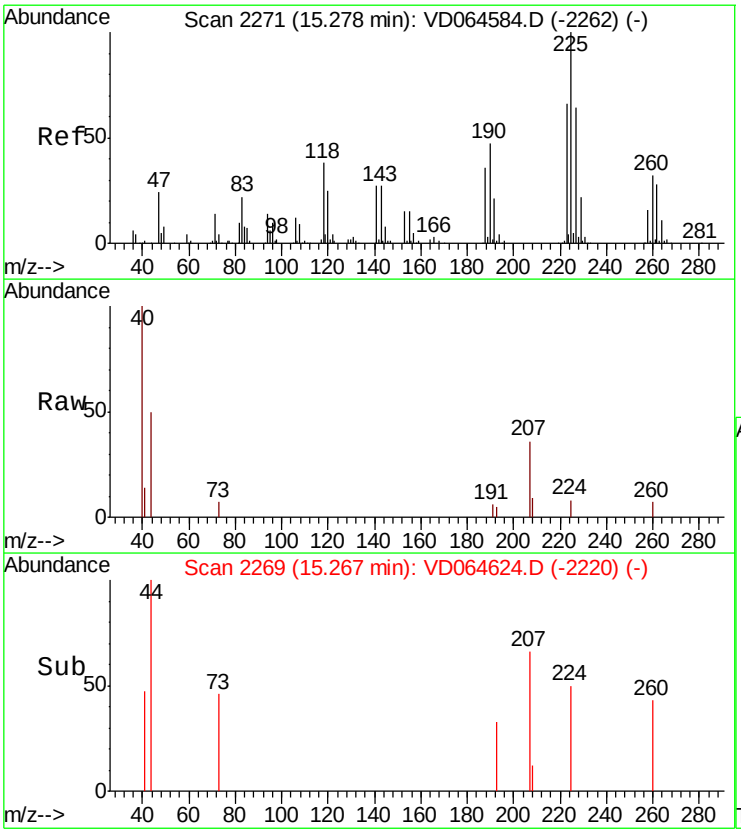
#93
1,2,4-Trichlorobenzene
Concen: 3.522 ug/l
RT: 15.16 min Scan# 2251
Delta R.T. -0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument :
MSVOA_D
ClientSampleId :
LIED-BF001-02

Tgt Ion:180 Resp: 424

Ion	Ratio	Lower	Upper
180	100		
182	126.4	48.0	144.2
145	0.0	13.8	41.4#

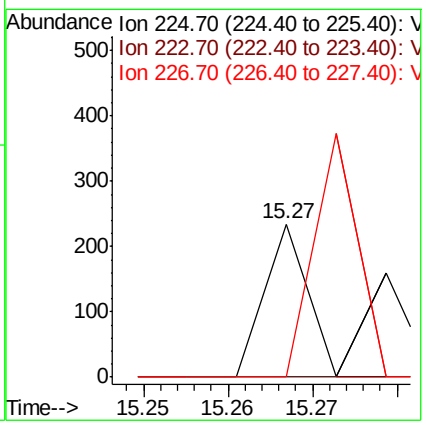


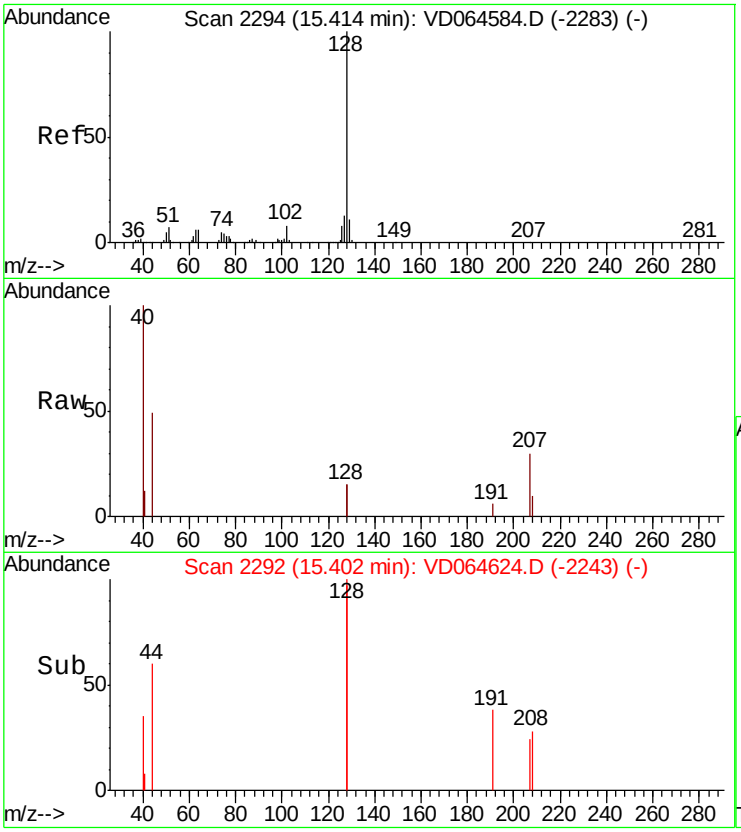


#94
Hexachlorobutadiene
Concen: 1.096 ug/l
RT: 15.27 min Scan# 2269
Delta R.T. -0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion:225 Resp: 83

Ion	Ratio	Lower	Upper
225	100		
223	0.0	31.1	93.2#
227	159.0	30.9	92.7#



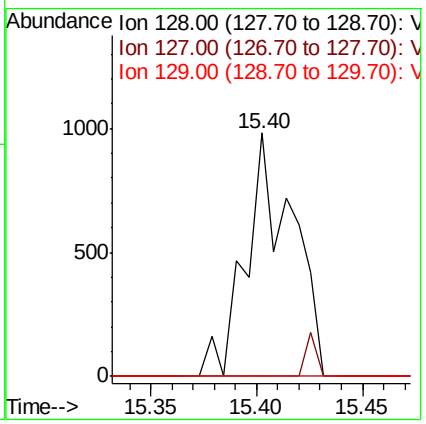


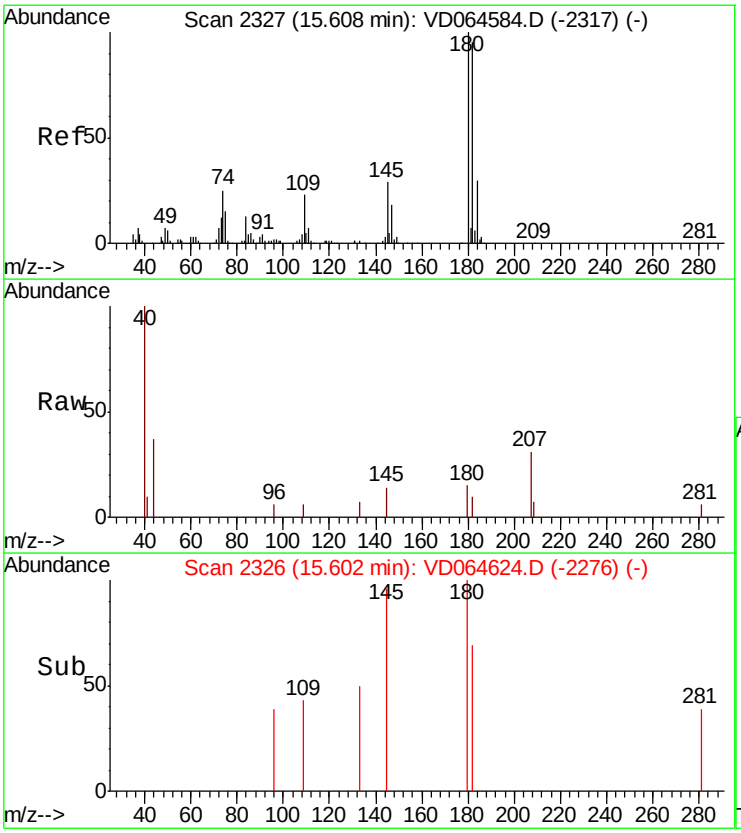
#95
Naphthalene
Concen: 7.897 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Instrument : MSVOA_D
ClientSampleId : LIED-BF001-02

Tgt Ion:128 Resp: 1504

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.5	12.7#





#96
1,2,3-Trichlorobenzene
Concen: 6.471 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064624.D
Acq: 27 Dec 2019 04:27

Tgt Ion:180 Resp: 665

Ion	Ratio	Lower	Upper
180	100		
182	81.5	47.9	143.7
145	39.4	14.9	44.7