Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121422\
Data File : VD075019.D
Acq On : 14 Dec 2022 13:25
Operator : KP/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Quant Time: Dec 15 03:35:38 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D121422S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 15 03:27:53 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	159181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	290567	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	257651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	110891	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	53913	50.060	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.120%			
35) Dibromofluoromethane	7.804	113	67722	37.239	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 74.480%			
50) Toluene-d8	10.269	98	219630	39.396	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 78.800%			
62) 4-Bromofluorobenzene	12.575	95	72748	40.642	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 81.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	1111	Below Cal	#	60
3) Chloromethane	2.146	50	2083	Below Cal		98
4) Vinyl Chloride	2.275	62	1534	Below Cal	#	87
5) Bromomethane	2.699	94	2272	Below Cal		87
7) Trichlorofluoromethane	3.169	101	2822	1.203	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.958	101	2145	1.404	ug/l #	82
10) Methyl Iodide	4.163	142	1551	4.593	ug/l #	59
11) Tert butyl alcohol	5.046	59	195	2.176	ug/l #	76
16) Acetone	4.022	43	1434	4.851	ug/l	97
17) Carbon Disulfide	4.269	76	2670	Below Cal	#	74
18) Methyl Acetate	4.563	43	202	Below Cal	#	45
20) Methylene Chloride	4.799	84	21884	4.843	ug/l	95
25) 2-Butanone	7.087	43	1843	4.950	ug/l	96
26) 2,2-Dichloropropane	7.069	77	3026	1.185	ug/l #	50
31) Cyclohexane	7.869	56	5392	2.648	ug/l #	75
39) Methylcyclohexane	9.269	83	3059	1.257	ug/l	87
51) 4-Methyl-2-Pentanone	10.157	43	1068	1.362	ug/l #	84
59) 2-Hexanone	10.928	43	1010	1.769	ug/l	93
64) Tetrachloroethene	10.816	164	1682	1.123	ug/l #	76
68) m/p-Xylenes	11.792	106	4419	1.378	ug/l	96
76) 1,2,3-Trichloropropane	12.575	75	36273	37.563	ug/l #	100
78) n-propylbenzene	12.769	91	9678	1.078	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.575	75	36273	95.728	ug/l #	18
83) tert-Butylbenzene	13.169	119	5686	1.089	ug/l	87
85) sec-Butylbenzene	13.345	105	8205	1.010	ug/l	96
87) 1,3-Dichlorobenzene	13.463	146	3881	1.101	ug/l	100
88) 1,4-Dichlorobenzene	13.463	146	3881	1.115	ug/l	98
89) n-Butylbenzene	13.786	91	6877	1.087	ug/l	99
91) 1,2-Dichlorobenzene	13.828	146	3316	1.102	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	2996	1.615	ug/l	92
94) Hexachlorobutadiene	15.210	225	1082	1.133	ug/l	98
95) Naphthalene	15.339	128	7585	2.162	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	3264	2.074	ug/l	97

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

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121422\
Data File : VD075019.D
Acq On : 14 Dec 2022 13:25
Operator : KP/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
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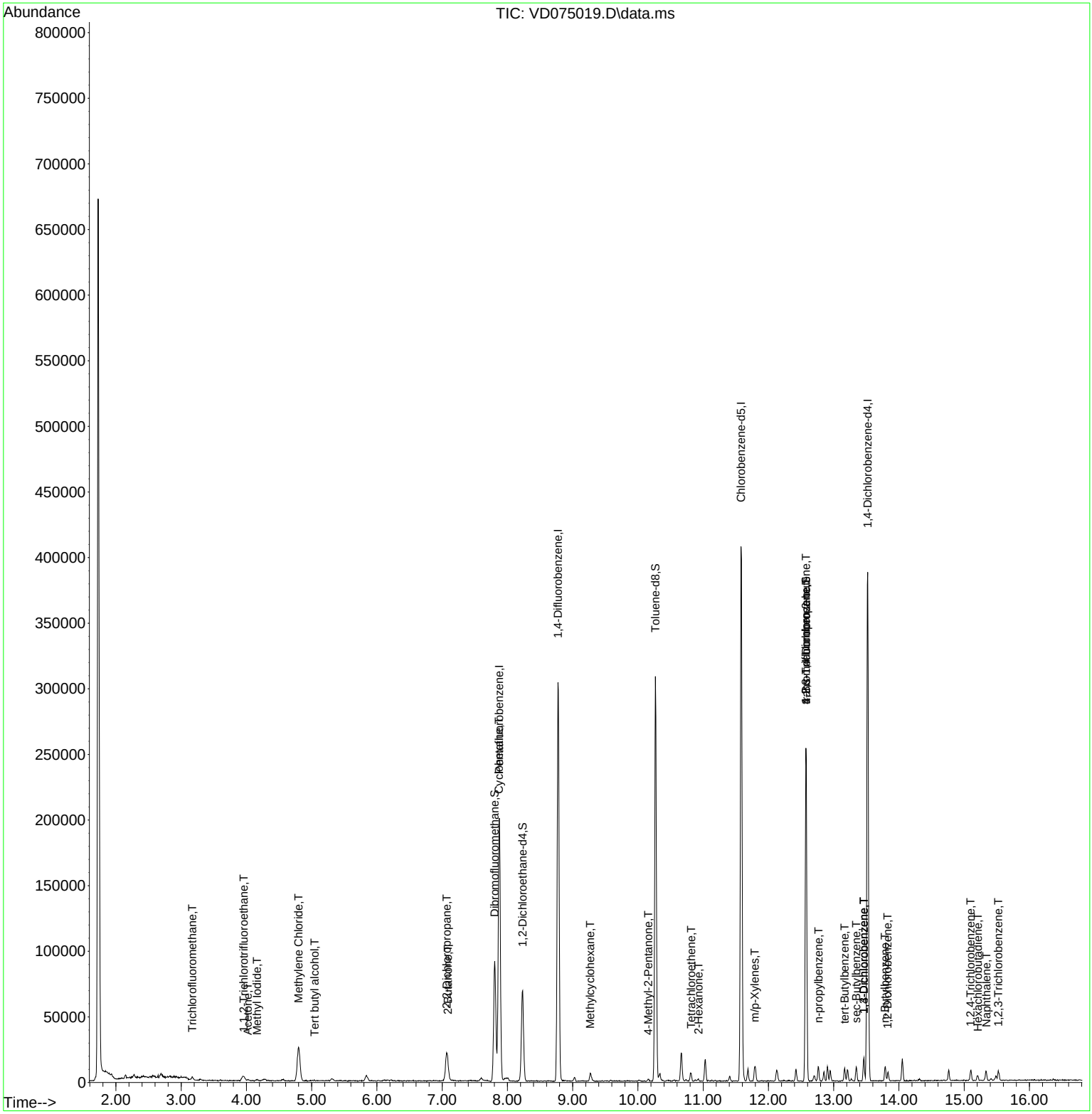
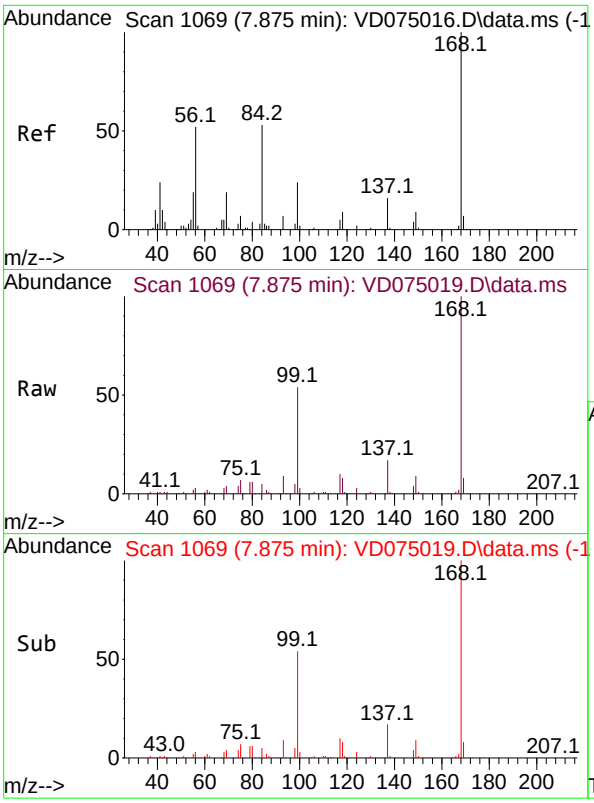
Quant Time: Dec 15 03:35:38 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D121422S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 15 03:27:53 2022
Response via : Initial Calibration



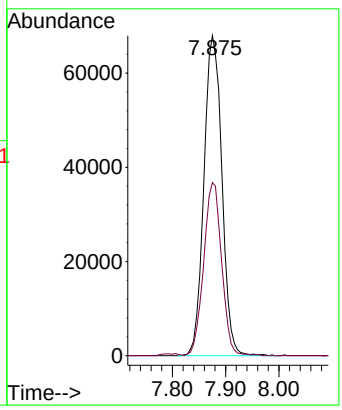


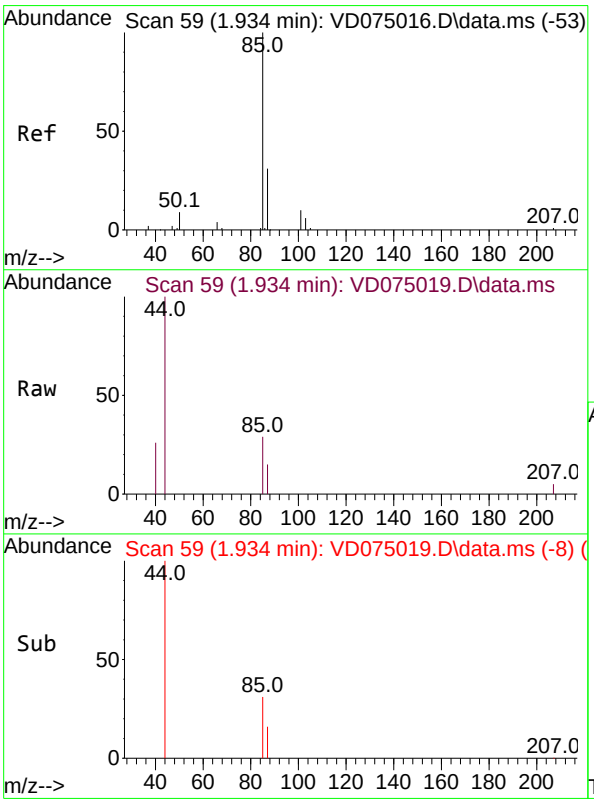
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:168 Resp: 159181

Ion	Ratio	Lower	Upper
168	100		
99	54.1	41.0	61.4

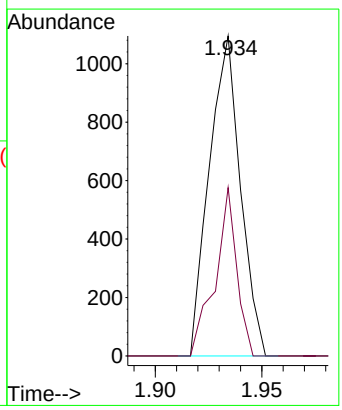


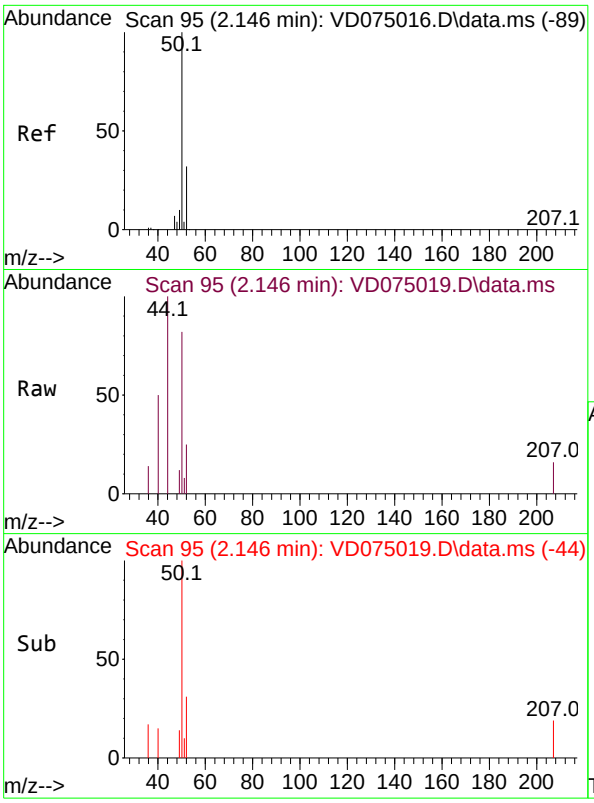


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Tgt Ion: 85 Resp: 1111

Ion	Ratio	Lower	Upper
85	100		
87	52.6	15.4	46.1#



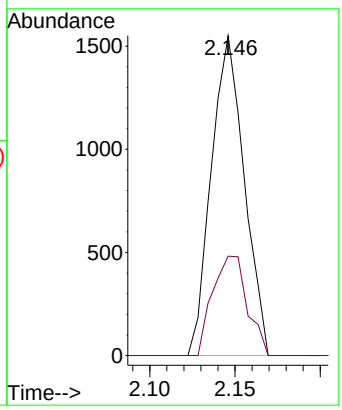


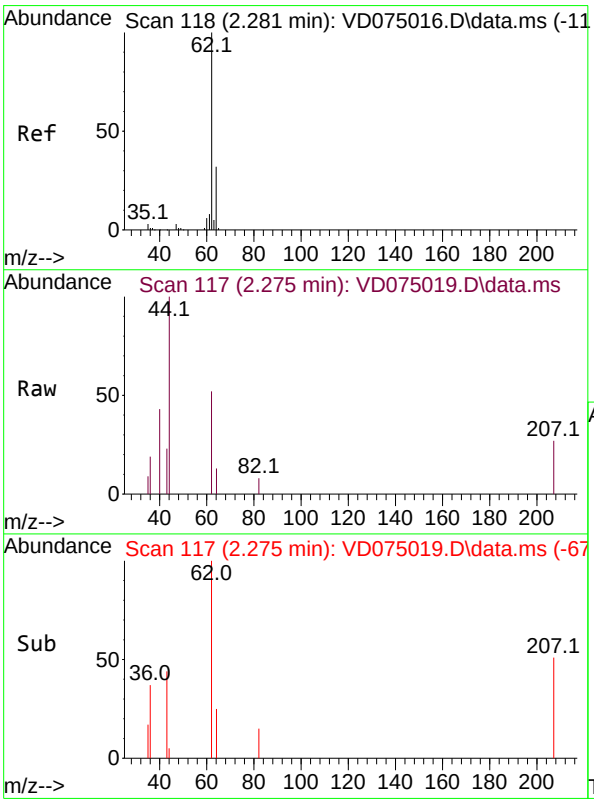
#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 9
Delta R.T. -0.000 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 50 Resp: 2083

Ion	Ratio	Lower	Upper
50	100		
52	31.1	25.8	38.8

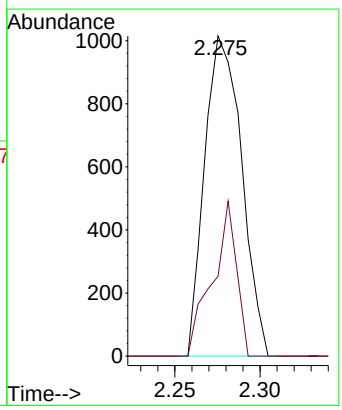


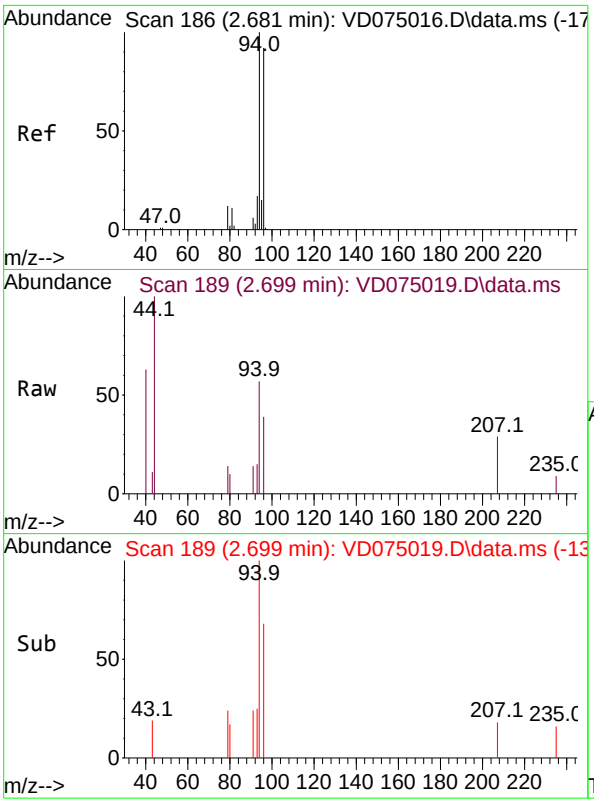


#4
Vinyl Chloride
Concen: Below Cal
RT: 2.275 min Scan# 117
Delta R.T. -0.006 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Tgt Ion: 62 Resp: 1534

Ion	Ratio	Lower	Upper
62	100		
64	24.9	25.7	38.5#



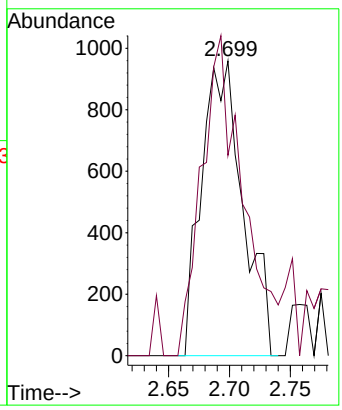


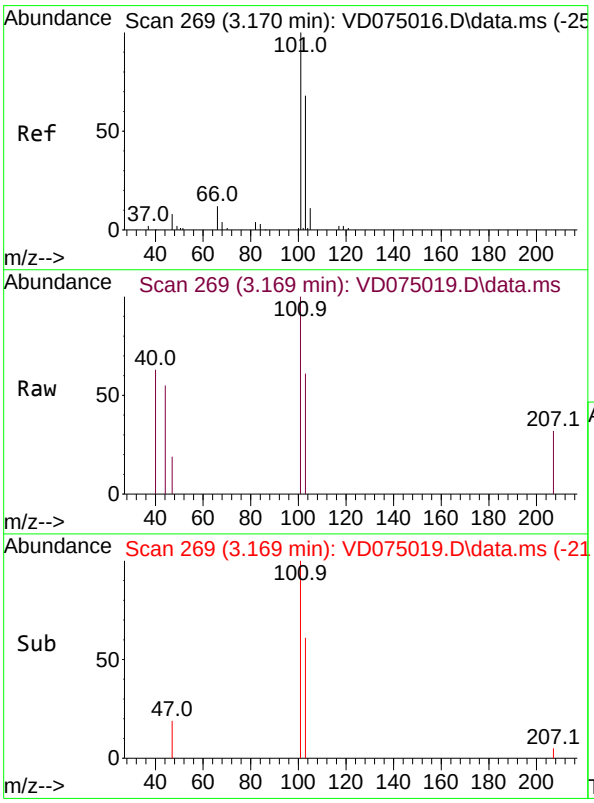
#5
Bromomethane
Concen: Below Cal
RT: 2.699 min Scan# 1
Delta R.T. 0.018 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 94 Resp: 2272

Ion	Ratio	Lower	Upper
94	100		
96	107.9	76.2	114.2

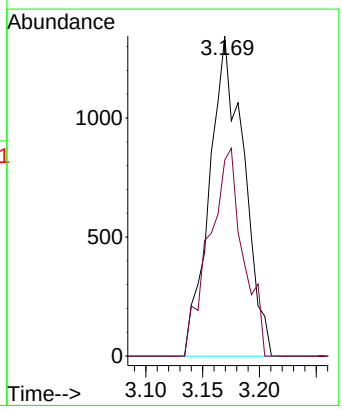


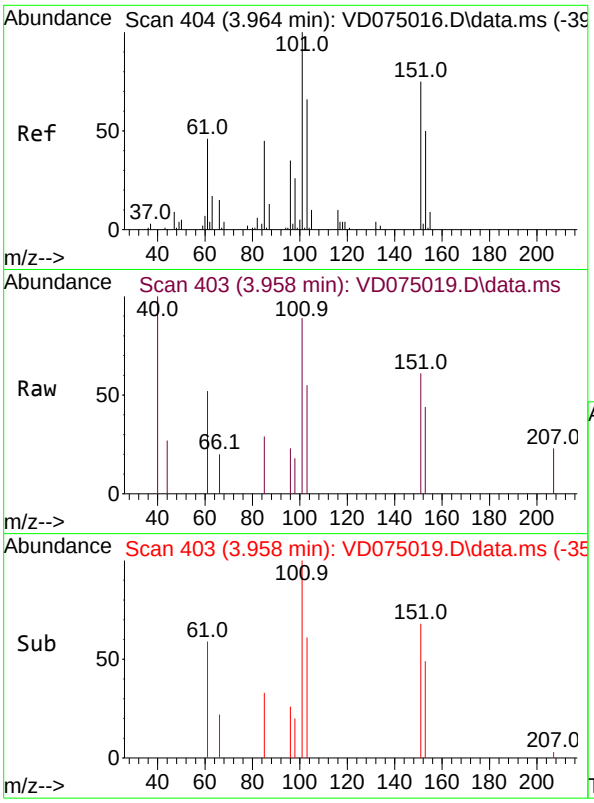


#7
Trichlorofluoromethane
Concen: 1.203 ug/l
RT: 3.169 min Scan# 269
Delta R.T. -0.000 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Tgt Ion:101 Resp: 2822

Ion	Ratio	Lower	Upper
101	100		
103	61.2	54.5	81.7



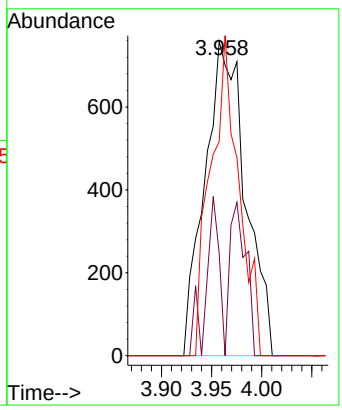


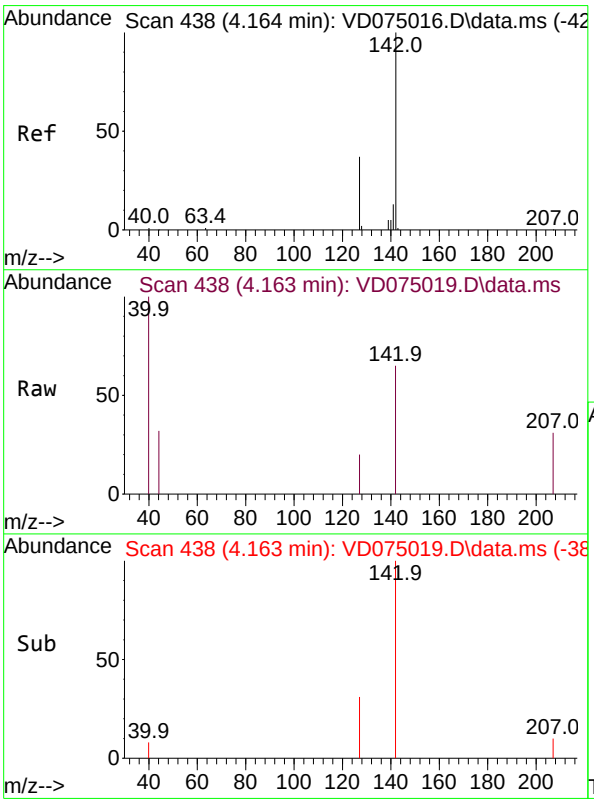
#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.404 ug/l
RT: 3.958 min Scan# 4(
Delta R.T. -0.006 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:101 Resp: 2145

Ion	Ratio	Lower	Upper
101	100		
85	16.5	33.6	50.4#
151	70.2	59.4	89.2

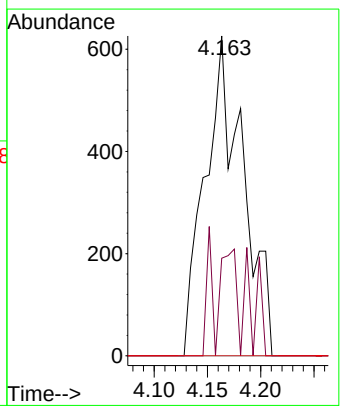


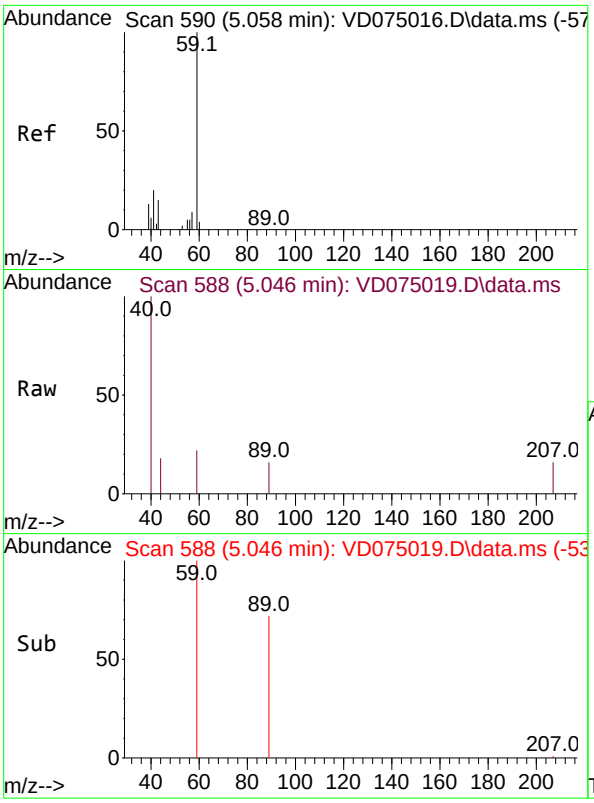


#10
Methyl Iodide
Concen: 4.593 ug/l
RT: 4.163 min Scan# 438
Delta R.T. -0.001 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Tgt Ion:142 Resp: 1551

Ion	Ratio	Lower	Upper
142	100		
127	13.5	32.2	48.2#
141	0.0	10.9	16.3#



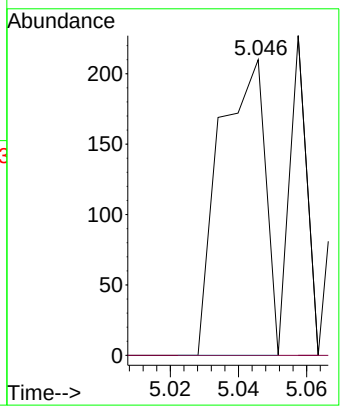


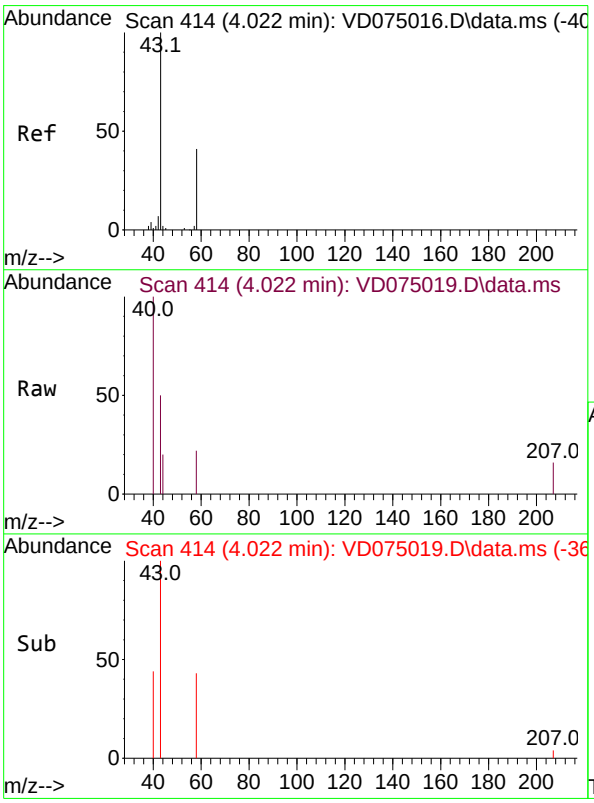
#11
Tert butyl alcohol
Concen: 2.176 ug/l
RT: 5.046 min Scan# 5
Delta R.T. -0.012 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 59 Resp: 195

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.0	10.6#

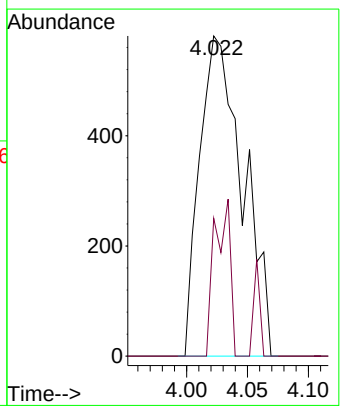


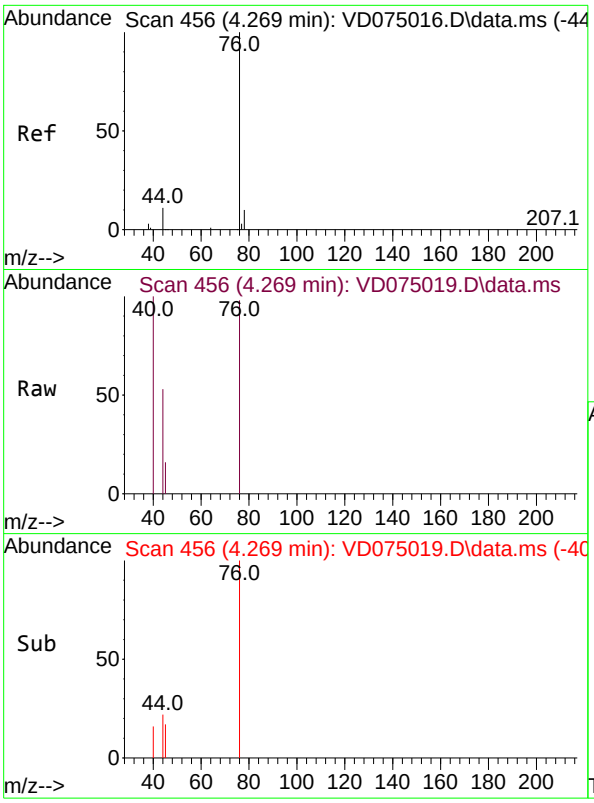


#16
Acetone
Concen: 4.851 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Tgt Ion: 43 Resp: 1434

Ion	Ratio	Lower	Upper
43	100		
58	43.0	33.0	49.6



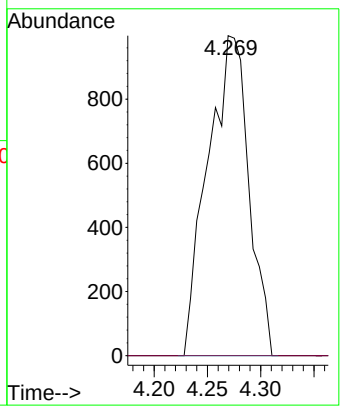


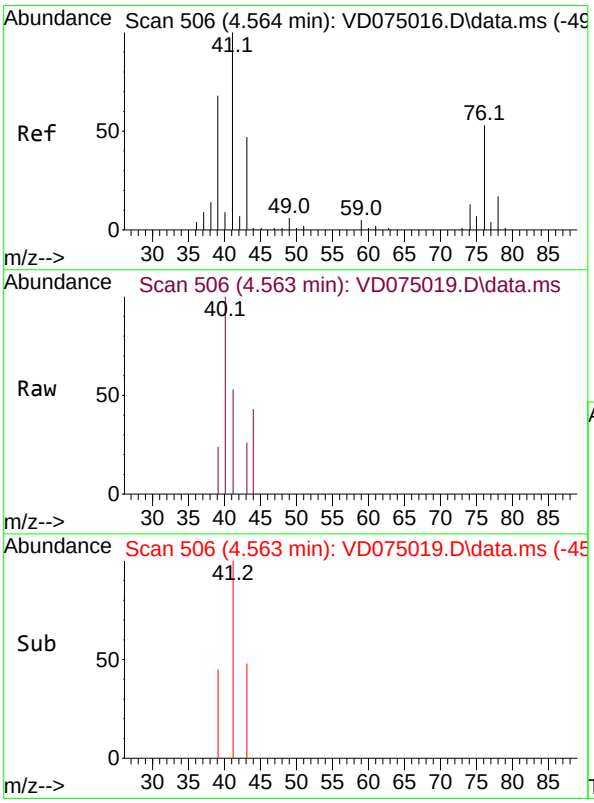
#17
Carbon Disulfide
Concen: Below Cal
RT: 4.269 min Scan# 4
Delta R.T. 0.000 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 76 Resp: 2670

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.7	11.5#

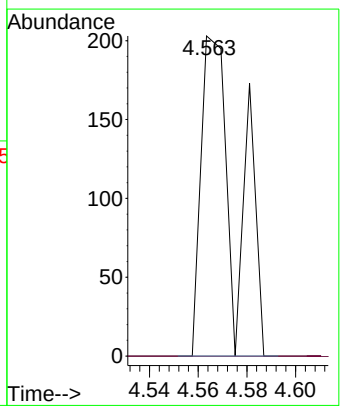


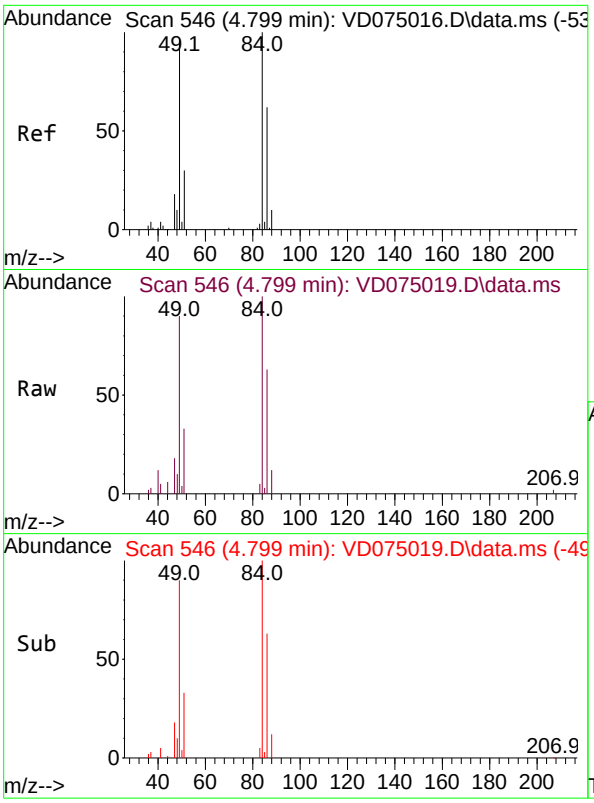


#18
Methyl Acetate
Concen: Below Cal
RT: 4.563 min Scan# 506
Delta R.T. -0.001 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Tgt Ion: 43 Resp: 202

Ion	Ratio	Lower	Upper
43	100		
74	0.0	23.9	35.9#



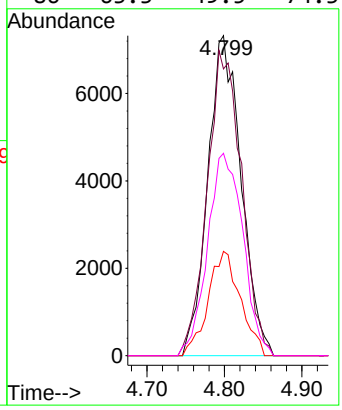


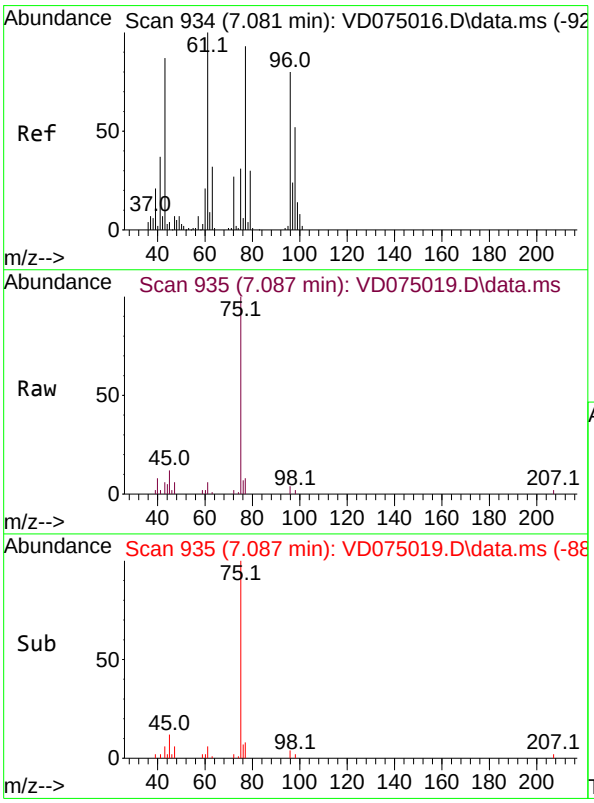
#20
Methylene Chloride
Concen: 4.843 ug/l
RT: 4.799 min Scan# 54
Delta R.T. -0.000 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 84 Resp: 21884

Ion	Ratio	Lower	Upper
84	100		
49	89.6	77.3	115.9
51	32.6	23.8	35.8
86	63.3	49.5	74.3

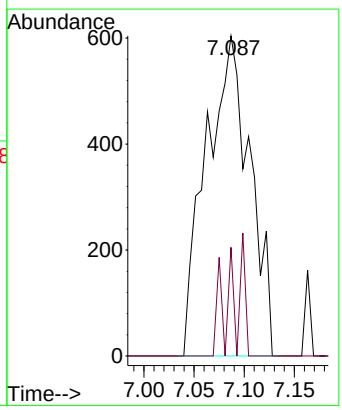


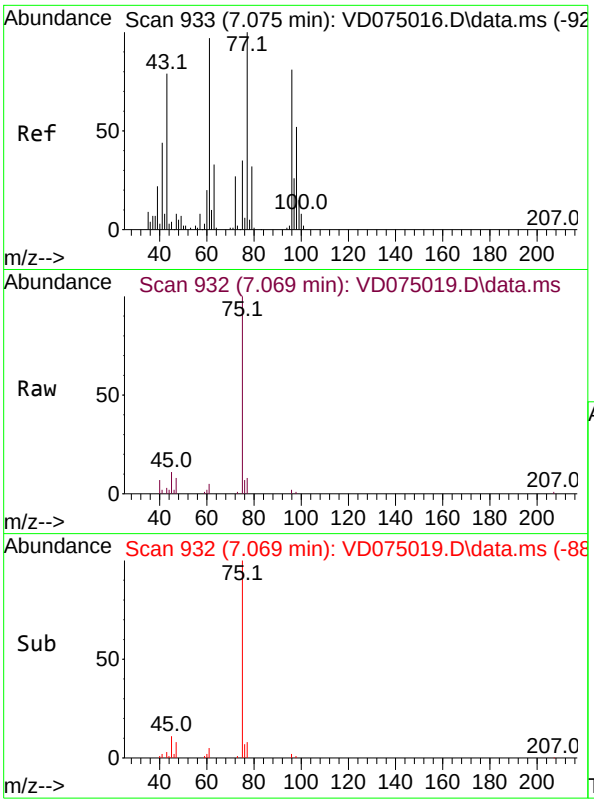


#25
2-Butanone
Concen: 4.950 ug/l
RT: 7.087 min Scan# 935
Delta R.T. 0.006 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Tgt Ion: 43 Resp: 1843

Ion	Ratio	Lower	Upper
43	100		
72	33.9	25.2	37.8



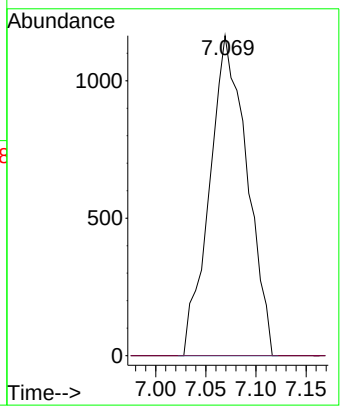


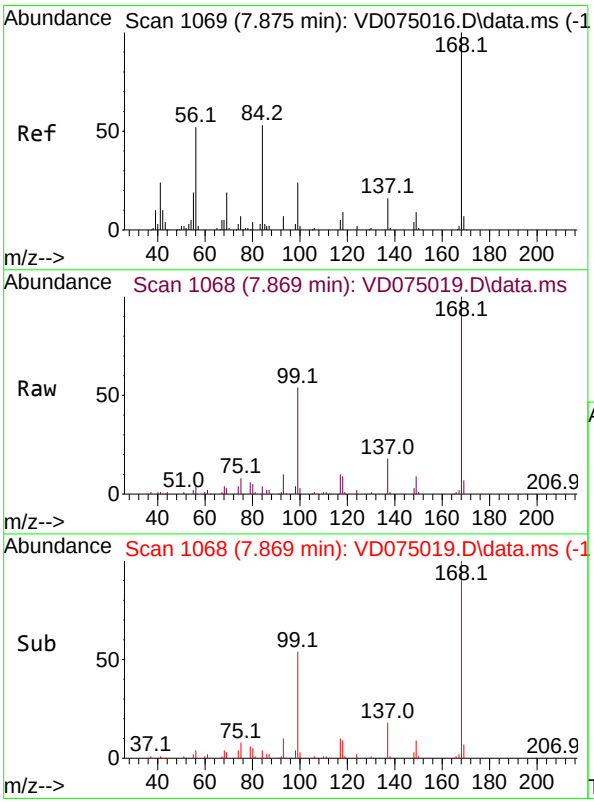
#26
2,2-Dichloropropane
Concen: 1.185 ug/l
RT: 7.069 min Scan# 9
Delta R.T. -0.006 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 77 Resp: 3026

Ion	Ratio	Lower	Upper
77	100		
97	0.0	12.4	37.4#

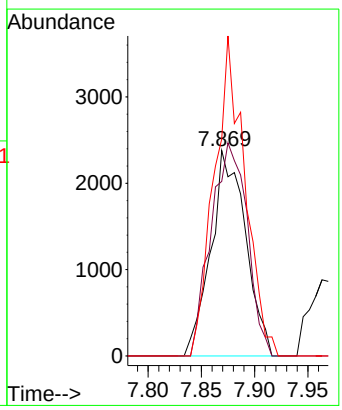


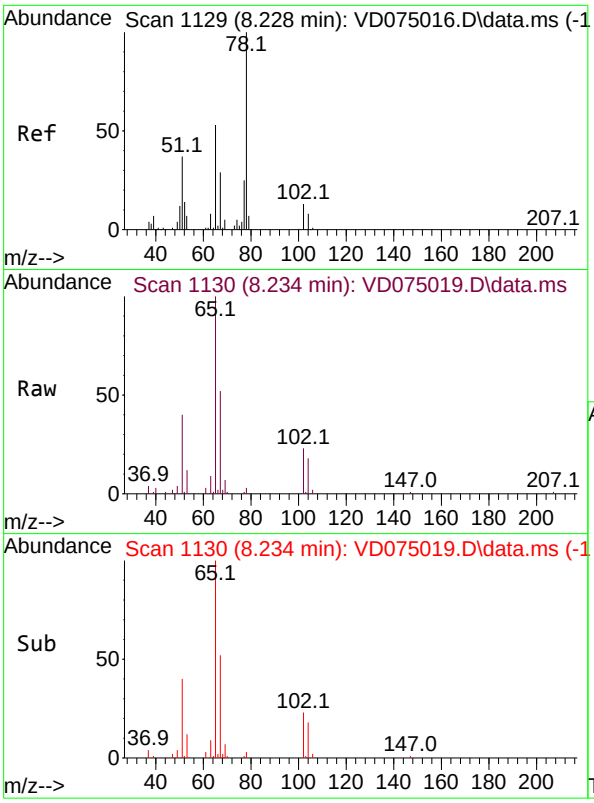


#31
Cyclohexane
Concen: 2.648 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Tgt Ion: 56 Resp: 5392

Ion	Ratio	Lower	Upper
56	100		
69	85.0	29.0	43.6#
84	105.6	81.0	121.6



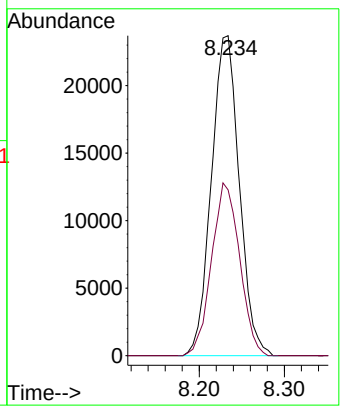


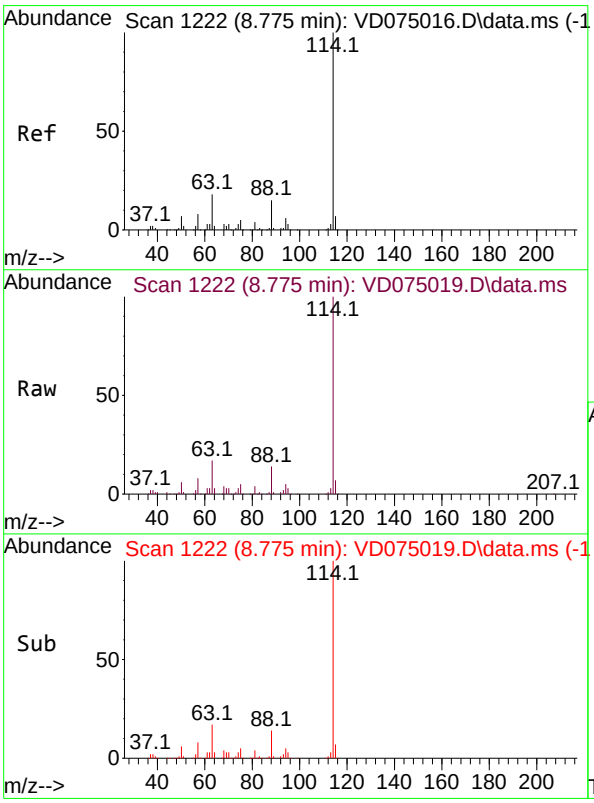
#33
1,2-Dichloroethane-d4
Concen: 50.060 ug/l
RT: 8.234 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 65 Resp: 53913

Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	107.0

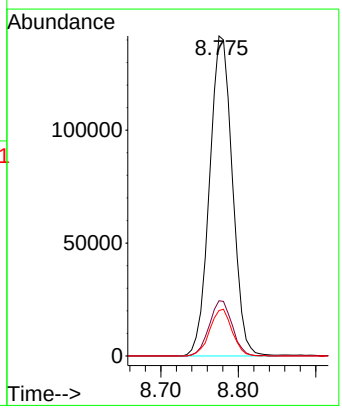


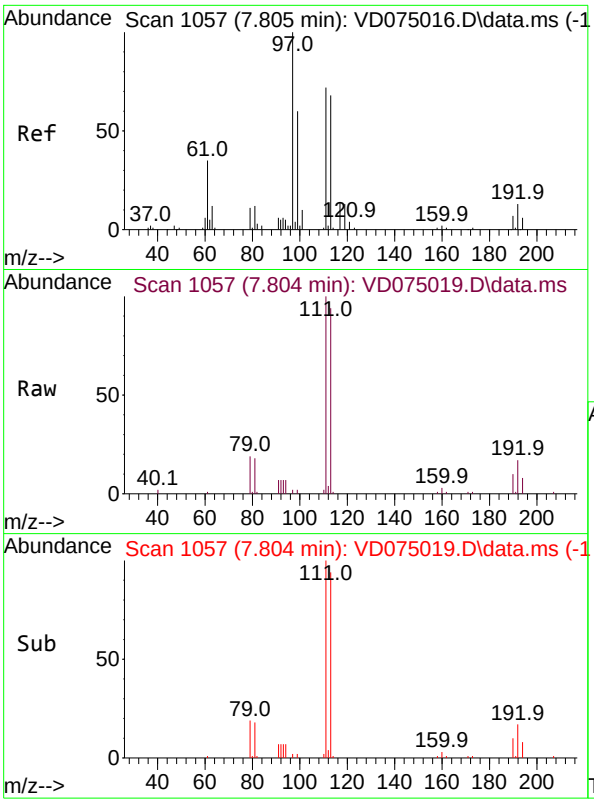


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Tgt Ion:114 Resp: 290567

Ion	Ratio	Lower	Upper
114	100		
63	17.3	0.0	36.6
88	14.2	0.0	29.8



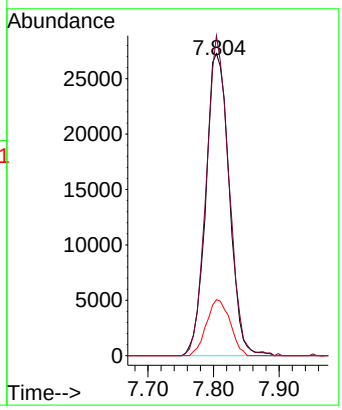


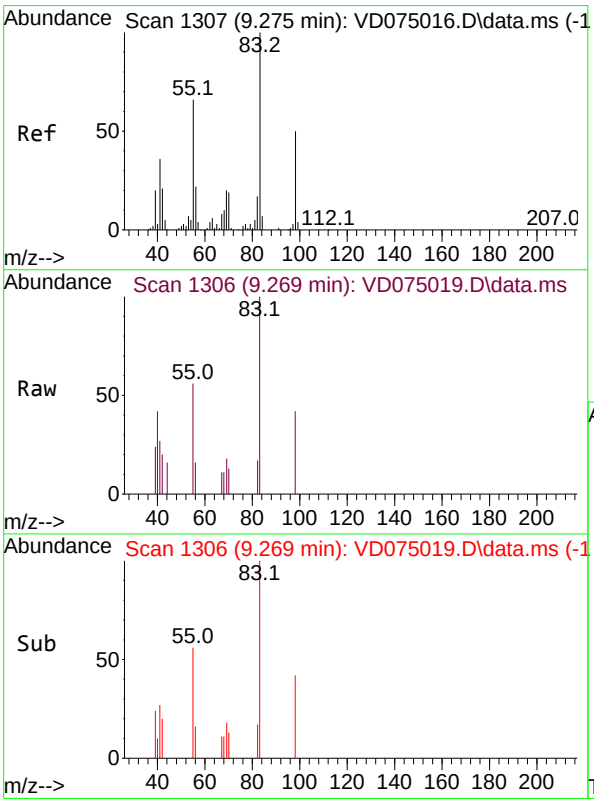
#35
Dibromofluoromethane
Concen: 37.239 ug/l
RT: 7.804 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:113 Resp: 67722

Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.0	124.6
192	18.7	15.5	23.3

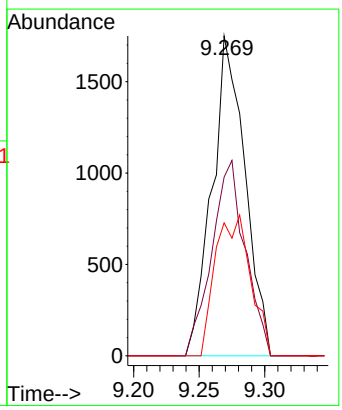


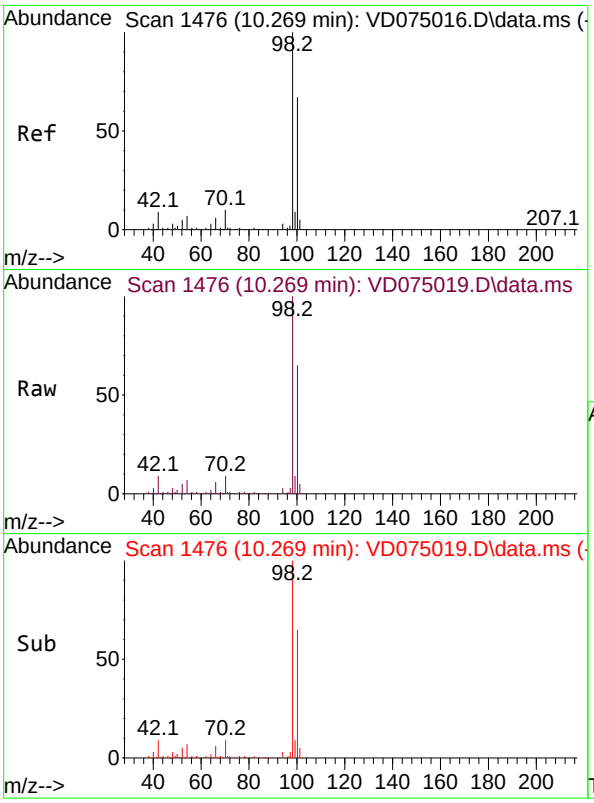


#39
Methylcyclohexane
Concen: 1.257 ug/l
RT: 9.269 min Scan# 1306
Delta R.T. -0.006 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Tgt Ion: 83 Resp: 3059

Ion	Ratio	Lower	Upper
83	100		
55	55.9	52.9	79.3
98	41.6	40.2	60.2



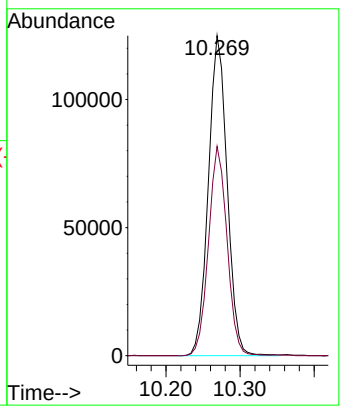


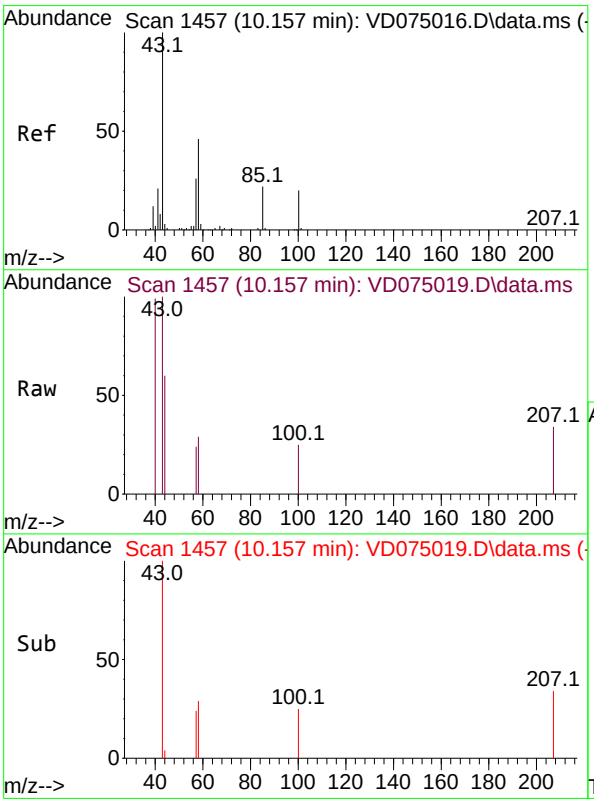
#50
Toluene-d8
Concen: 39.396 ug/l
RT: 10.269 min Scan# 14
Delta R.T. -0.000 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 98 Resp: 219630

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.3	78.5

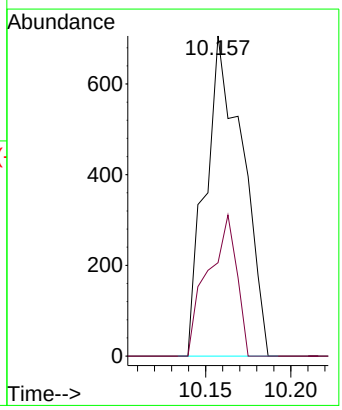


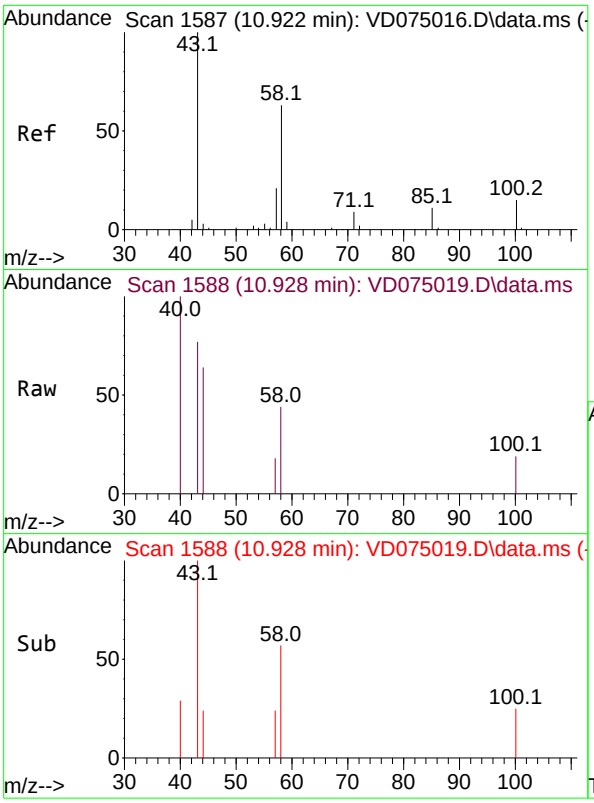


#51
4-Methyl-2-Pentanone
Concen: 1.362 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Tgt Ion: 43 Resp: 1068

Ion	Ratio	Lower	Upper
43	100		
58	34.1	35.8	53.6#



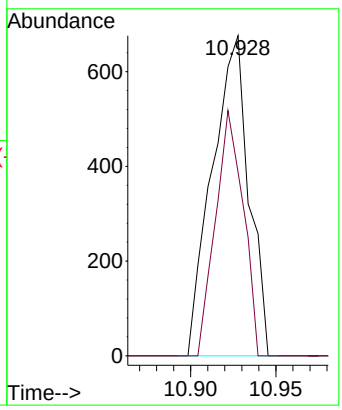


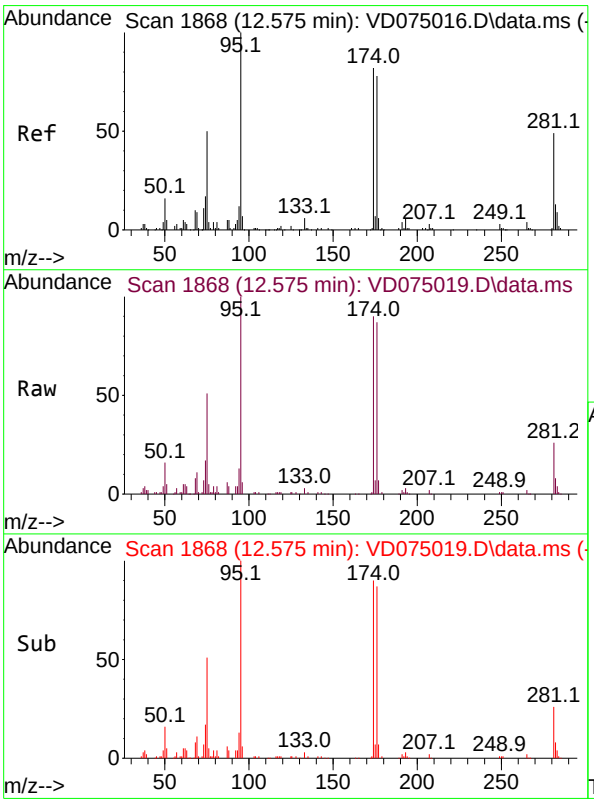
#59
2-Hexanone
Concen: 1.769 ug/l
RT: 10.928 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 43 Resp: 1010

Ion	Ratio	Lower	Upper
43	100		
58	57.7	31.4	94.3

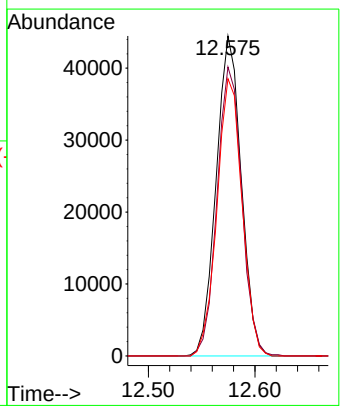


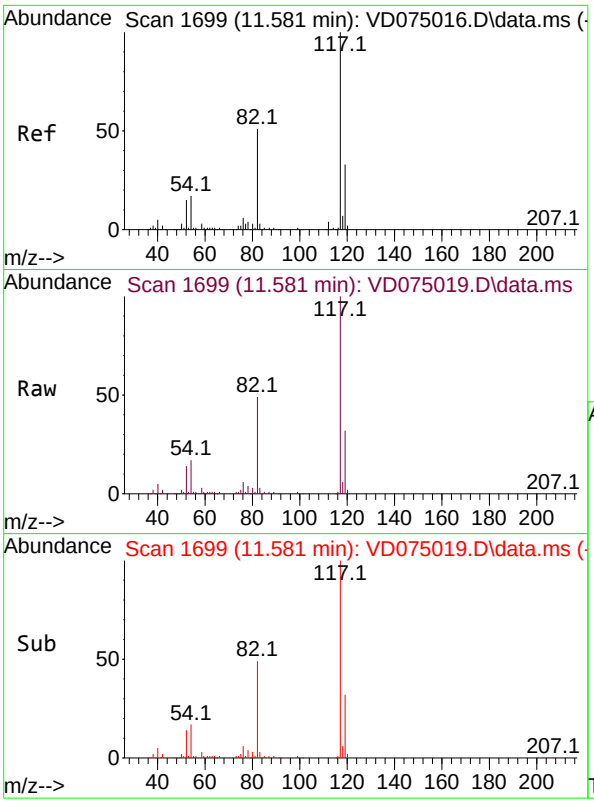


#62
4-Bromofluorobenzene
Concen: 40.642 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Tgt Ion: 95 Resp: 72748

Ion	Ratio	Lower	Upper
95	100		
174	89.0	0.0	171.6
176	86.4	0.0	165.8



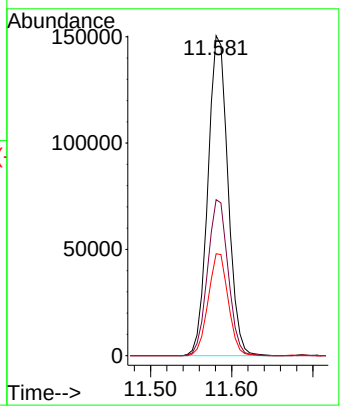


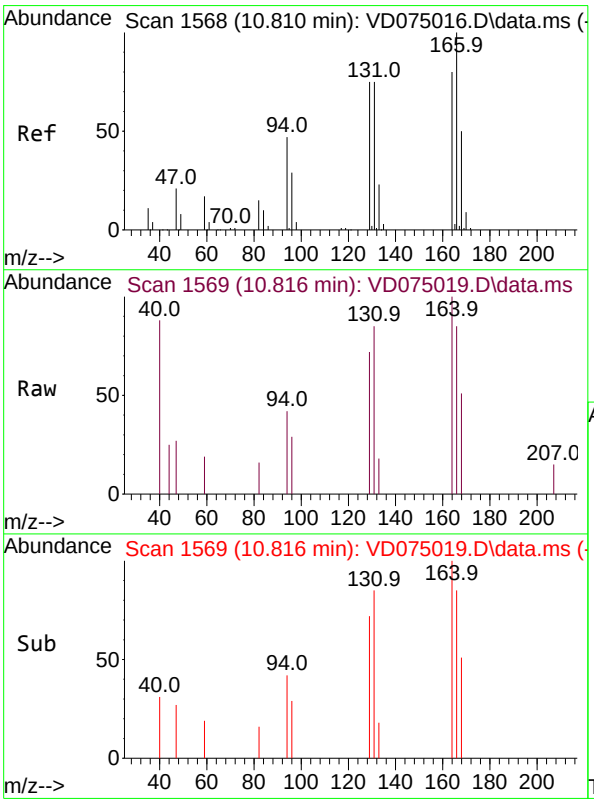
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 257651

Ion	Ratio	Lower	Upper
117	100		
82	48.8	40.7	61.1
119	31.9	26.1	39.1

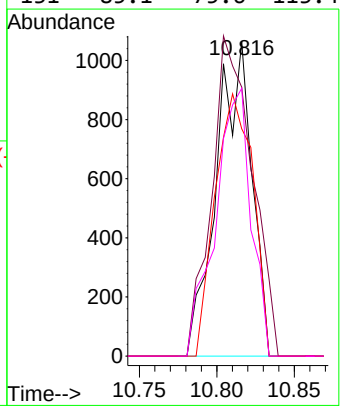


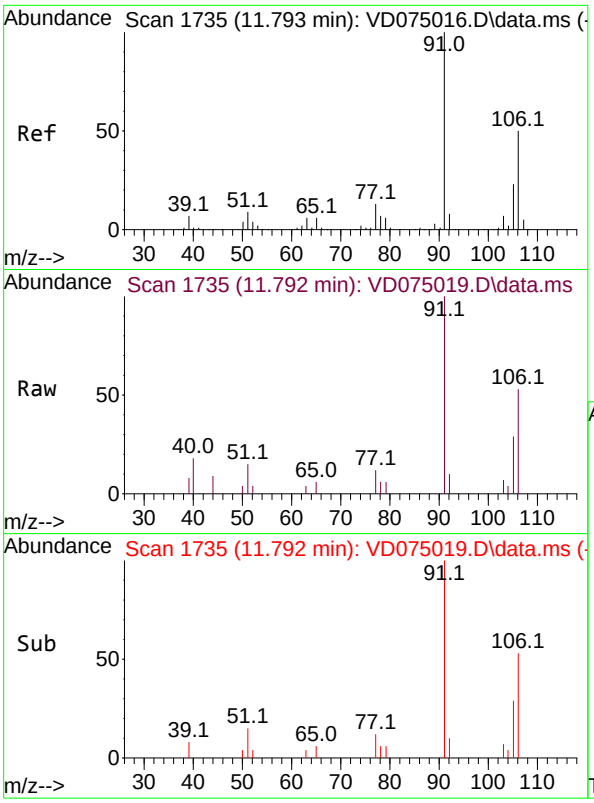


#64
Tetrachloroethene
Concen: 1.123 ug/l
RT: 10.816 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Tgt Ion:164 Resp: 1682

Ion	Ratio	Lower	Upper
164	100		
166	85.4	100.3	150.5#
129	72.2	74.8	112.2#
131	85.1	75.6	113.4



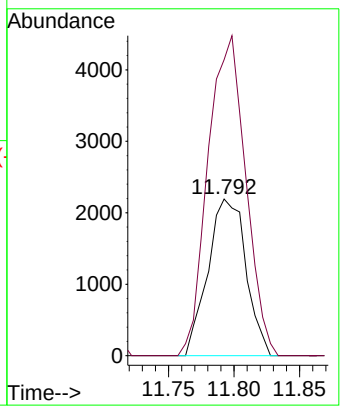


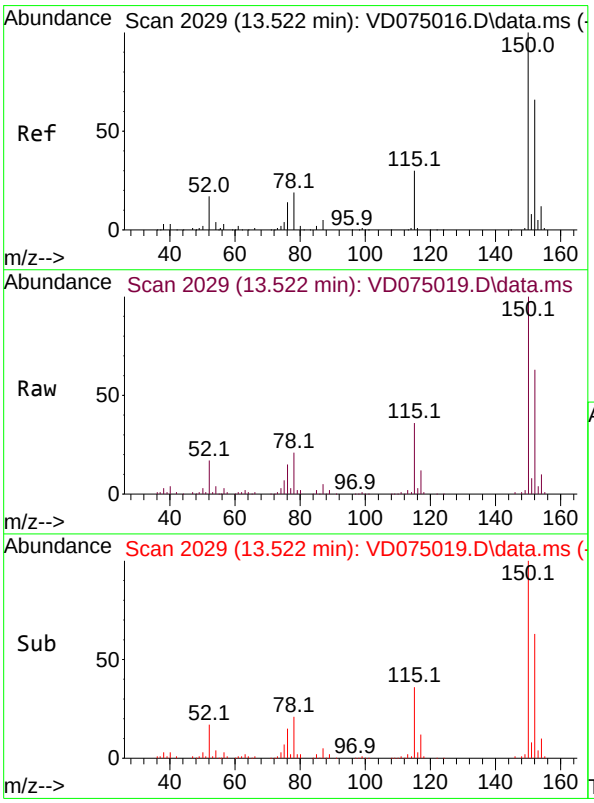
#68
m/p-Xylenes
Concen: 1.378 ug/l
RT: 11.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:106 Resp: 4419

Ion	Ratio	Lower	Upper
106	100		
91	202.8	157.1	235.7

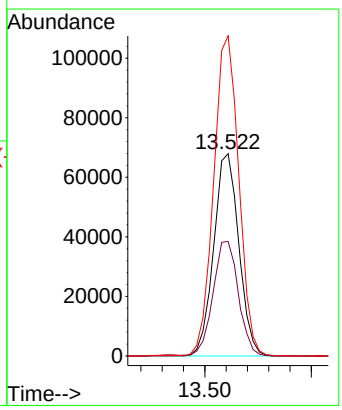


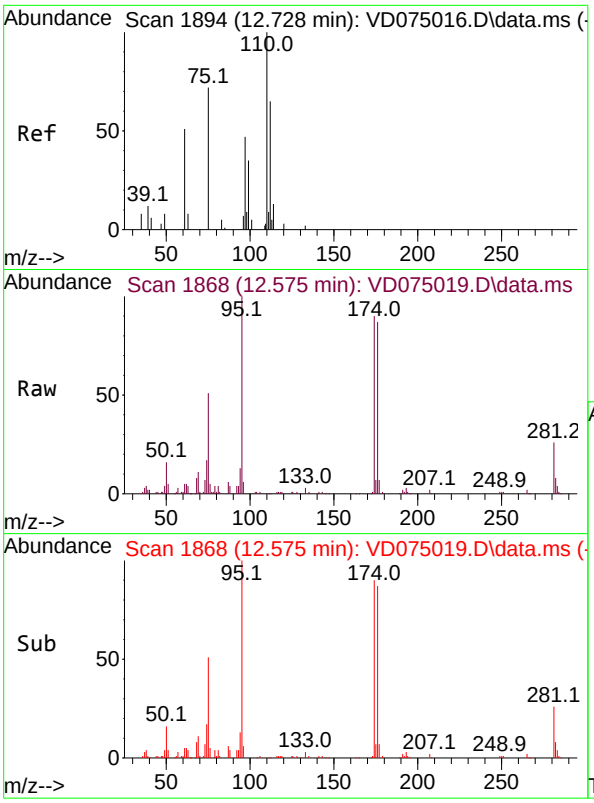


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Tgt Ion:152 Resp: 110891

Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.0	84.0
150	158.3	0.0	342.0



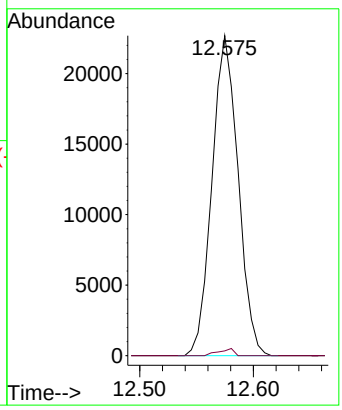


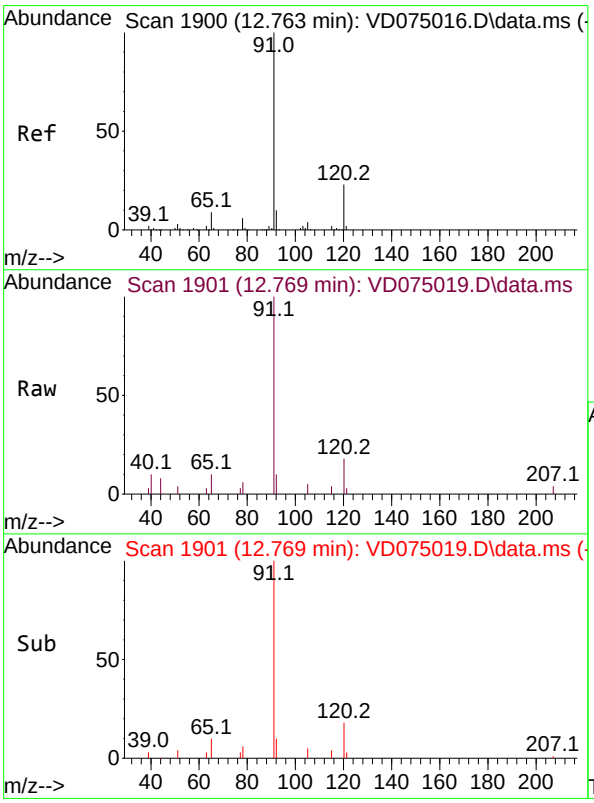
#76
1,2,3-Trichloropropane
Concen: 37.563 ug/l
RT: 12.575 min Scan# 1
Delta R.T. -0.153 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 36273

Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#

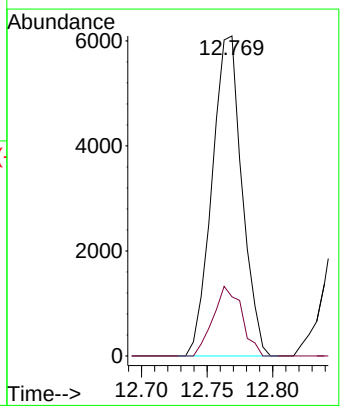


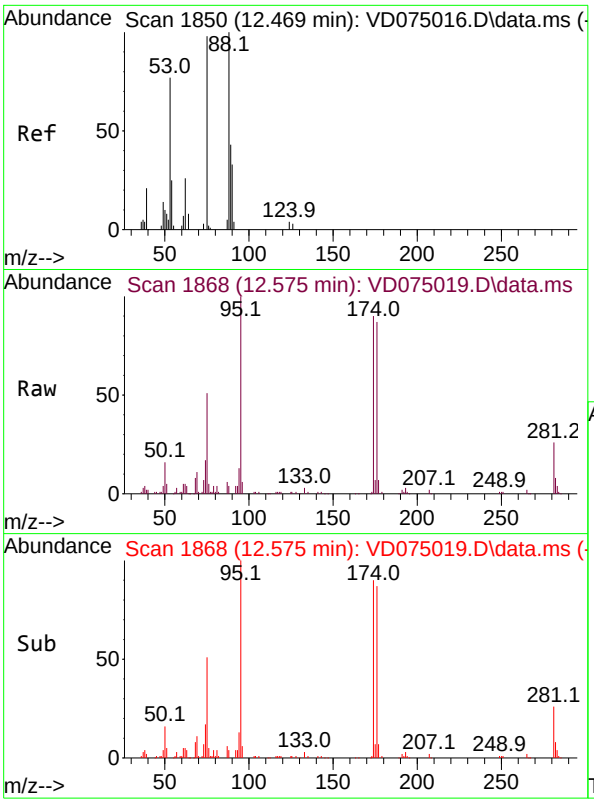


#78
n-propylbenzene
Concen: 1.078 ug/l
RT: 12.769 min Scan# 1901
Delta R.T. 0.006 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Tgt Ion: 91 Resp: 9678

Ion	Ratio	Lower	Upper
91	100		
120	20.9	11.6	34.8



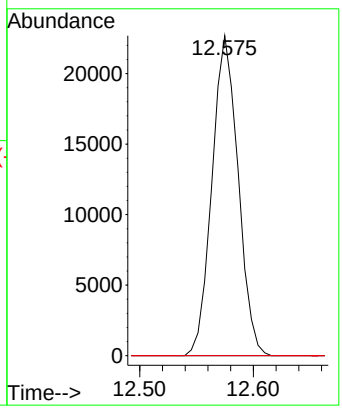


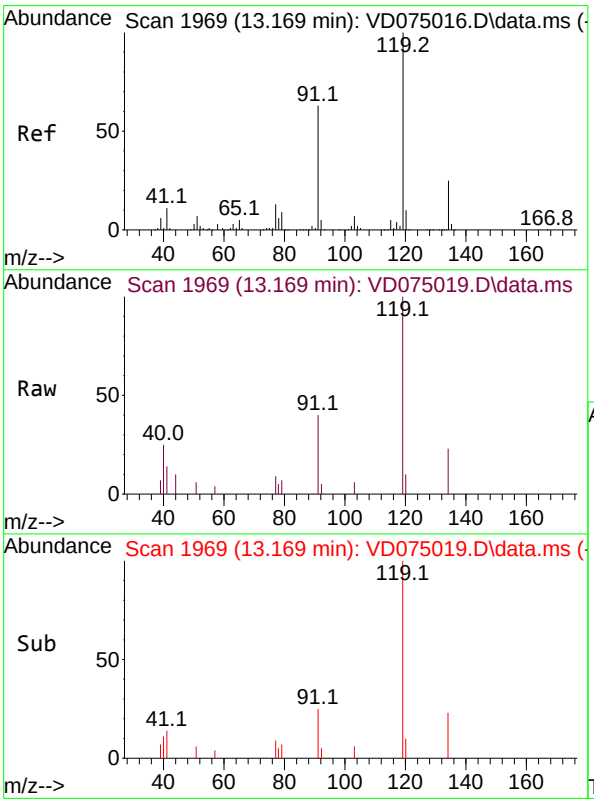
#81
trans-1,4-Dichloro-2-butene
Concen: 95.728 ug/l
RT: 12.575 min Scan# 1
Delta R.T. 0.106 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 36273

Ion	Ratio	Lower	Upper
75	100		
53	0.0	61.0	91.6#
89	0.0	36.9	55.3#

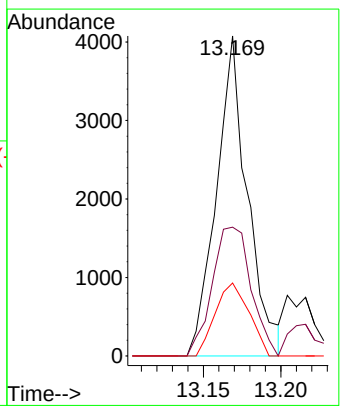


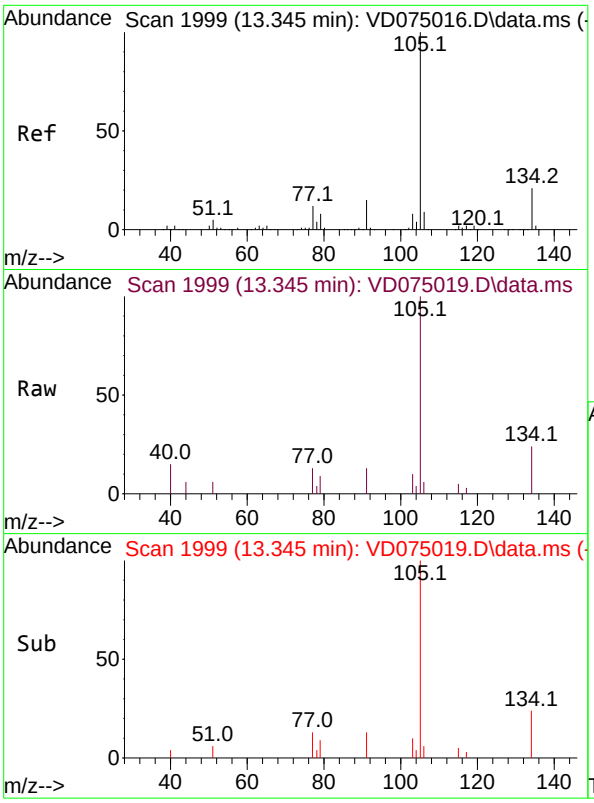


#83
tert-Butylbenzene
Concen: 1.089 ug/l
RT: 13.169 min Scan# 1969
Delta R.T. -0.000 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Tgt Ion:119 Resp: 5686

Ion	Ratio	Lower	Upper
119	100		
91	50.3	31.4	94.0
134	24.8	13.6	40.7



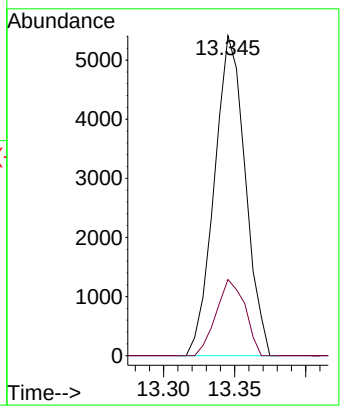


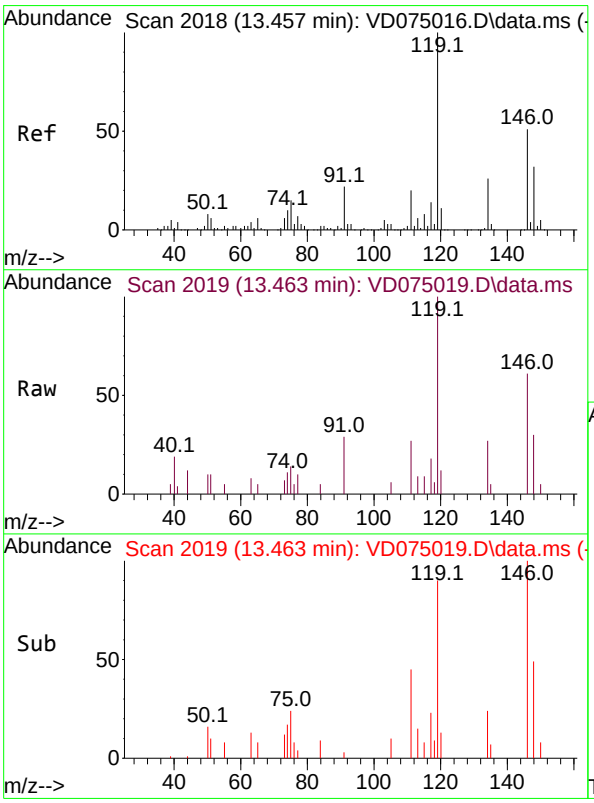
#85
sec-Butylbenzene
Concen: 1.010 ug/l
RT: 13.345 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:105 Resp: 8205

Ion	Ratio	Lower	Upper
105	100		
134	22.2	10.3	30.8

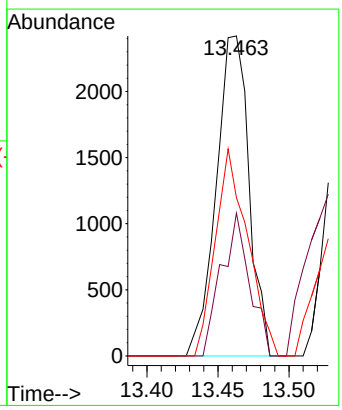


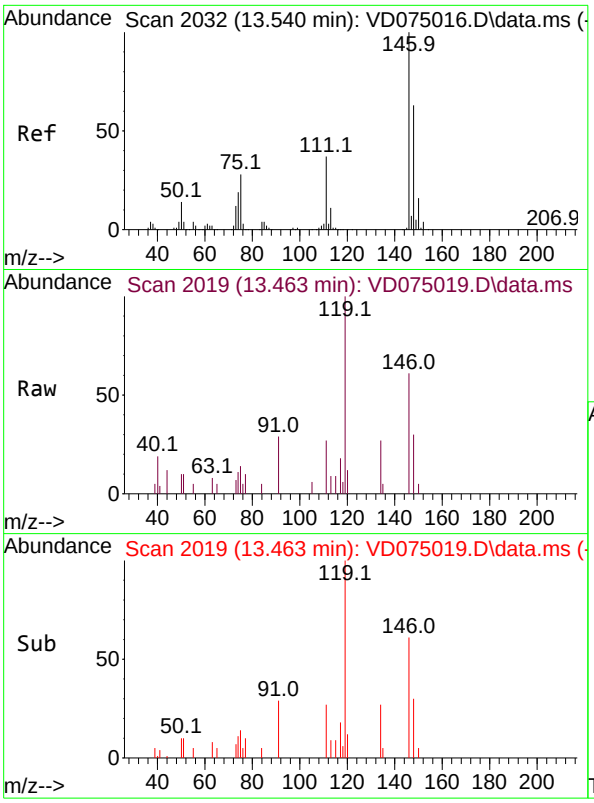


#87
1,3-Dichlorobenzene
Concen: 1.101 ug/l
RT: 13.463 min Scan# 2019
Delta R.T. 0.006 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Tgt Ion:146 Resp: 3881

Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.8
148	63.9	31.8	95.4



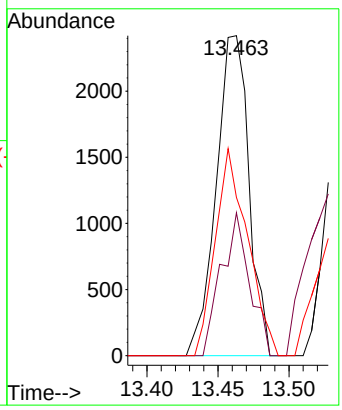


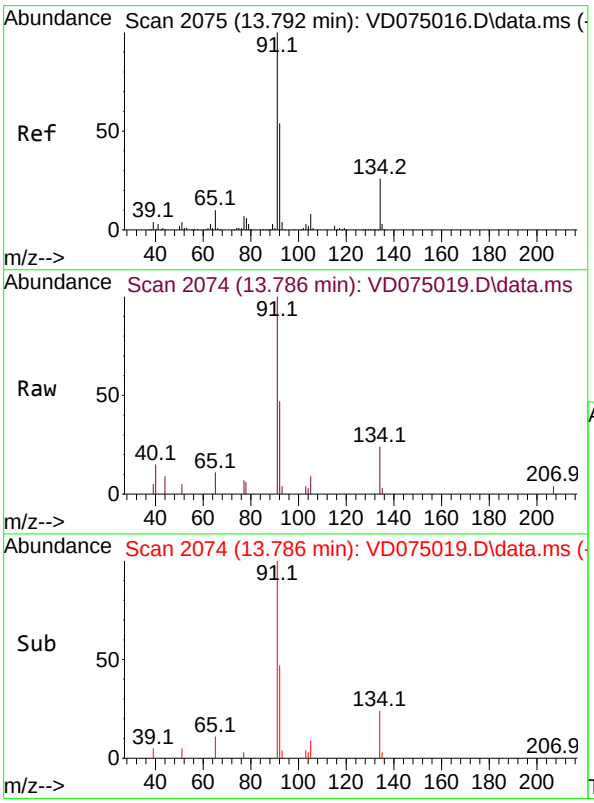
#88
1,4-Dichlorobenzene
Concen: 1.115 ug/l
RT: 13.463 min Scan# 2
Delta R.T. -0.077 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:146 Resp: 3881

Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.5	55.5
148	63.9	31.6	94.7

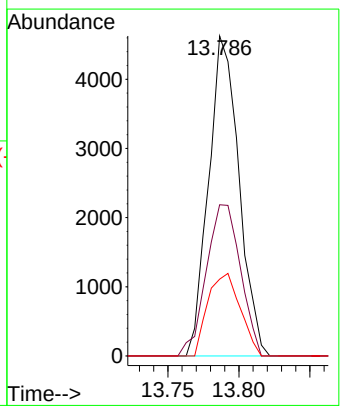


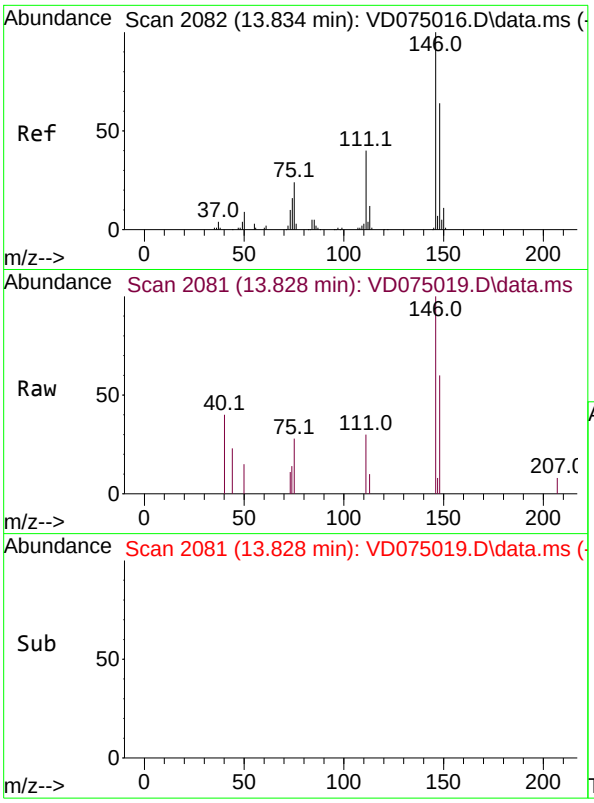


#89
n-Butylbenzene
Concen: 1.087 ug/l
RT: 13.786 min Scan# 2074
Delta R.T. -0.006 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Tgt Ion: 91 Resp: 6877

Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.4	79.2
134	27.5	13.1	39.3



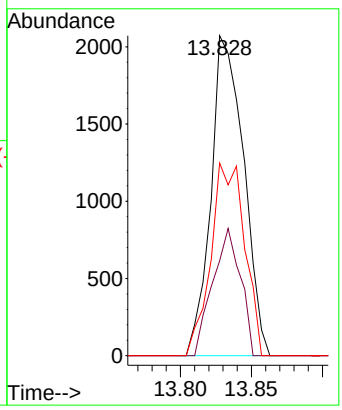


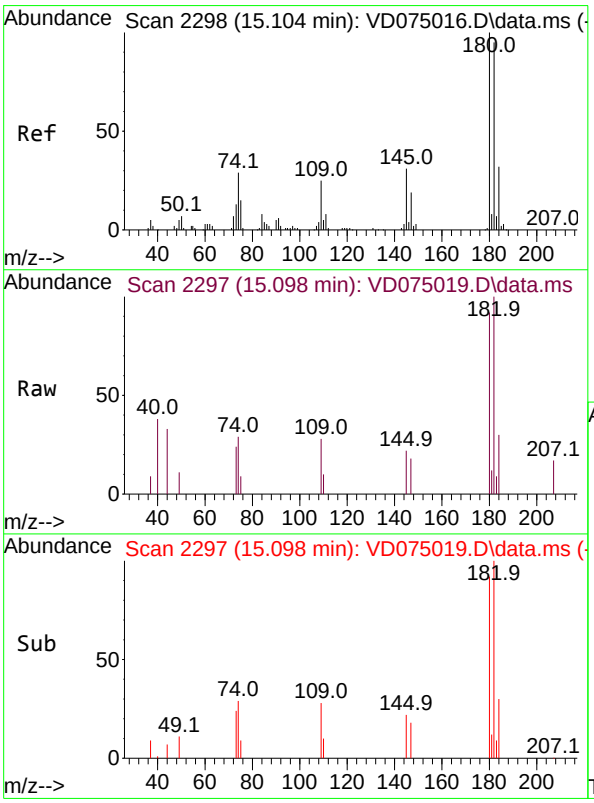
#91
1,2-Dichlorobenzene
Concen: 1.102 ug/l
RT: 13.828 min Scan# 2
Delta R.T. -0.006 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:146 Resp: 3316

Ion	Ratio	Lower	Upper
146	100		
111	33.7	19.6	58.7
148	62.0	31.3	93.8

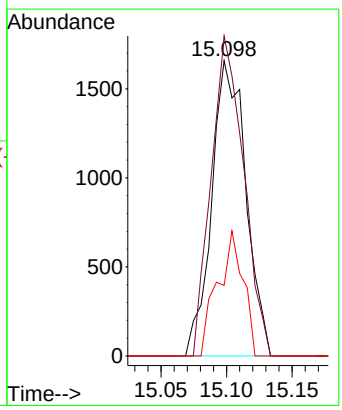


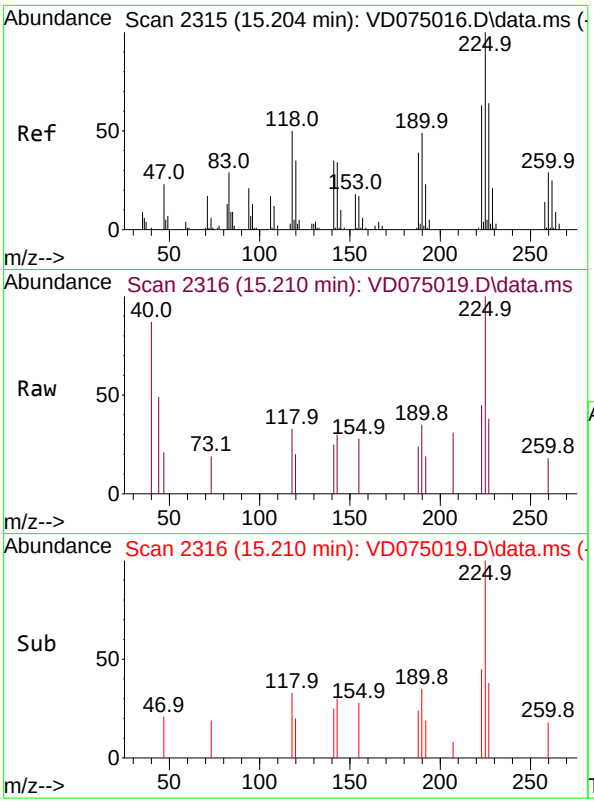


#93
1,2,4-Trichlorobenzene
Concen: 1.615 ug/l
RT: 15.098 min Scan# 2297
Delta R.T. -0.006 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Tgt Ion:180 Resp: 2996

Ion	Ratio	Lower	Upper
180	100		
182	103.5	47.1	141.4
145	31.6	14.8	44.4



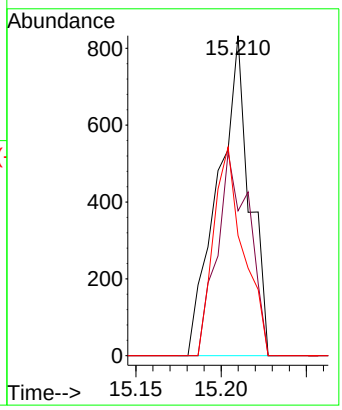


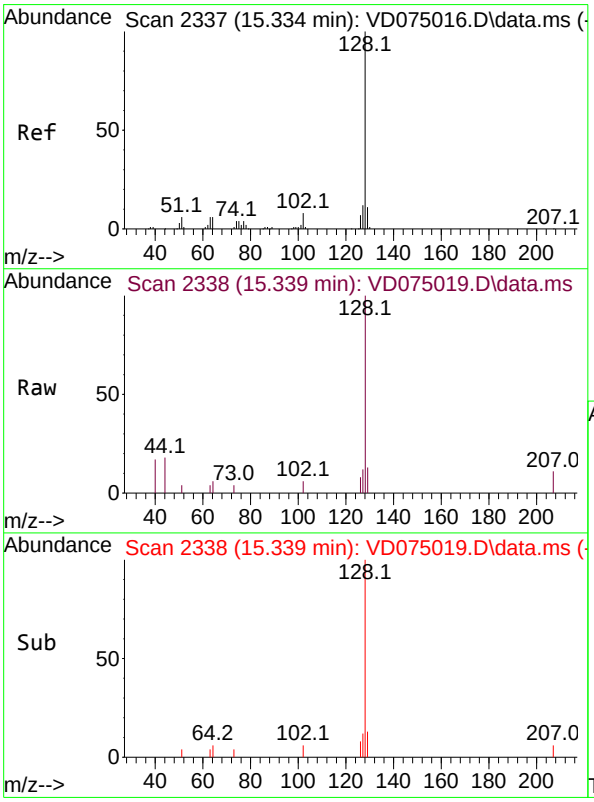
#94
Hexachlorobutadiene
Concen: 1.133 ug/l
RT: 15.210 min Scan# 2
Delta R.T. 0.006 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:225 Resp: 1082

Ion	Ratio	Lower	Upper
225	100		
223	64.2	32.3	96.9
227	61.2	31.8	95.4

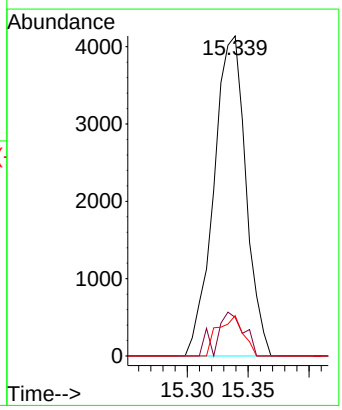


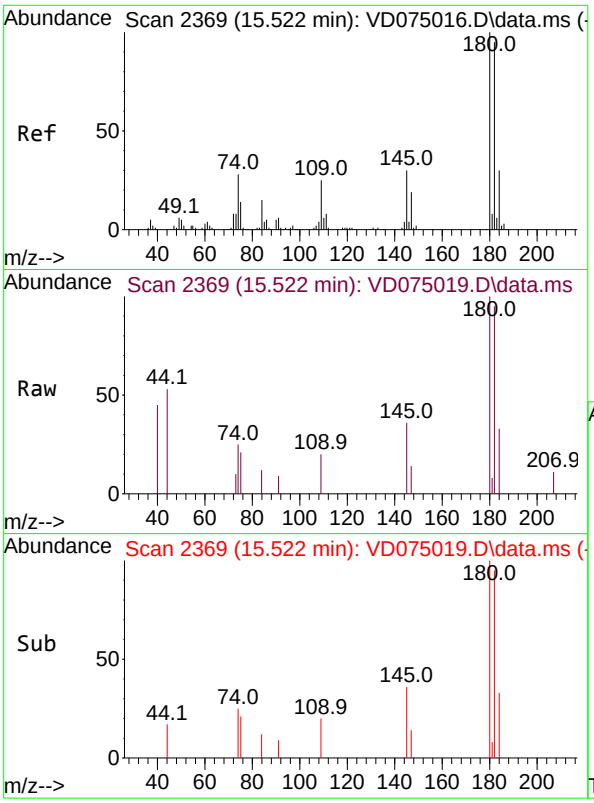


#95
Naphthalene
Concen: 2.162 ug/l
RT: 15.339 min Scan# 2338
Delta R.T. 0.006 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Tgt Ion:128 Resp: 7585

Ion	Ratio	Lower	Upper
128	100		
127	11.6	10.2	15.4
129	10.0	8.8	13.2





#96
1,2,3-Trichlorobenzene
Concen: 2.074 ug/l
RT: 15.522 min Scan# 2
Delta R.T. -0.000 min
Lab File: VD075019.D
Acq: 14 Dec 2022 13:25

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:180 Resp: 3264

Ion	Ratio	Lower	Upper
180	100		
182	98.3	47.6	142.8
145	30.2	15.8	47.4