Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111122\
Data File : VD074922.D
Acq On : 12 Nov 2022 07:52
Operator : VA/SY
Sample : N5531-12RE
Misc : 5.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SB-28ARE

Quant Time: Nov 14 01:00:50 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 14 00:51:58 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	2152	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	3668	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	3802	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	1618	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	2971	228.982	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 457.960%#			
35) Dibromofluoromethane	7.799	113	2315	102.385	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 204.780%#			
50) Toluene-d8	10.269	98	4455	59.814	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 119.620%			
62) 4-Bromofluorobenzene	12.575	95	1207	52.775	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.560%			
Target Compounds						Qvalue
3) Chloromethane	2.140	50	249	7.889	ug/l #	37
5) Bromomethane	2.711	94	71	2.189	ug/l #	3
10) Methyl Iodide	4.164	142	62	6.918	ug/l #	43
14) Allyl chloride	4.828	41	58	2.537	ug/l #	20
16) Acetone	4.016	43	2173	611.668	ug/l #	85
18) Methyl Acetate	4.787	43	92	8.180	ug/l #	44
20) Methylene Chloride	4.805	84	428	1.273	ug/l #	72
25) 2-Butanone	7.093	43	197	42.405	ug/l #	42
31) Cyclohexane	7.875	56	391	12.463	ug/l #	9
37) Ethyl Acetate	7.093	43	197	17.667	ug/l #	66
39) Methylcyclohexane	9.275	83	906	25.450	ug/l #	55
43) Isopropyl Acetate	8.416	43	55	2.801	ug/l #	44
48) Methyl methacrylate	9.293	41	69	7.931	ug/l #	19
67) Ethyl Benzene	11.687	91	276	2.130	ug/l #	41
68) m/p-Xylenes	11.793	106	859	16.627	ug/l	87
73) Isopropylbenzene	12.422	105	148	1.329	ug/l #	48
76) 1,2,3-Trichloropropane	12.581	75	588	43.449	ug/l #	1
78) n-propylbenzene	12.769	91	852	6.224	ug/l #	69
79) 2-Chlorotoluene	12.769	91	852	11.551	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.904	105	644	6.940	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.581	75	588	106.887	ug/l #	17
82) 4-Chlorotoluene	12.769	91	852	11.092	ug/l #	37
84) 1,2,4-Trimethylbenzene	13.210	105	1237	13.479	ug/l	96
85) sec-Butylbenzene	13.210	105	1237	10.100	ug/l #	56
86) p-Isopropyltoluene	13.463	119	128	1.257	ug/l #	51
90) Hexachloroethane	14.169	117	158	8.662	ug/l #	11

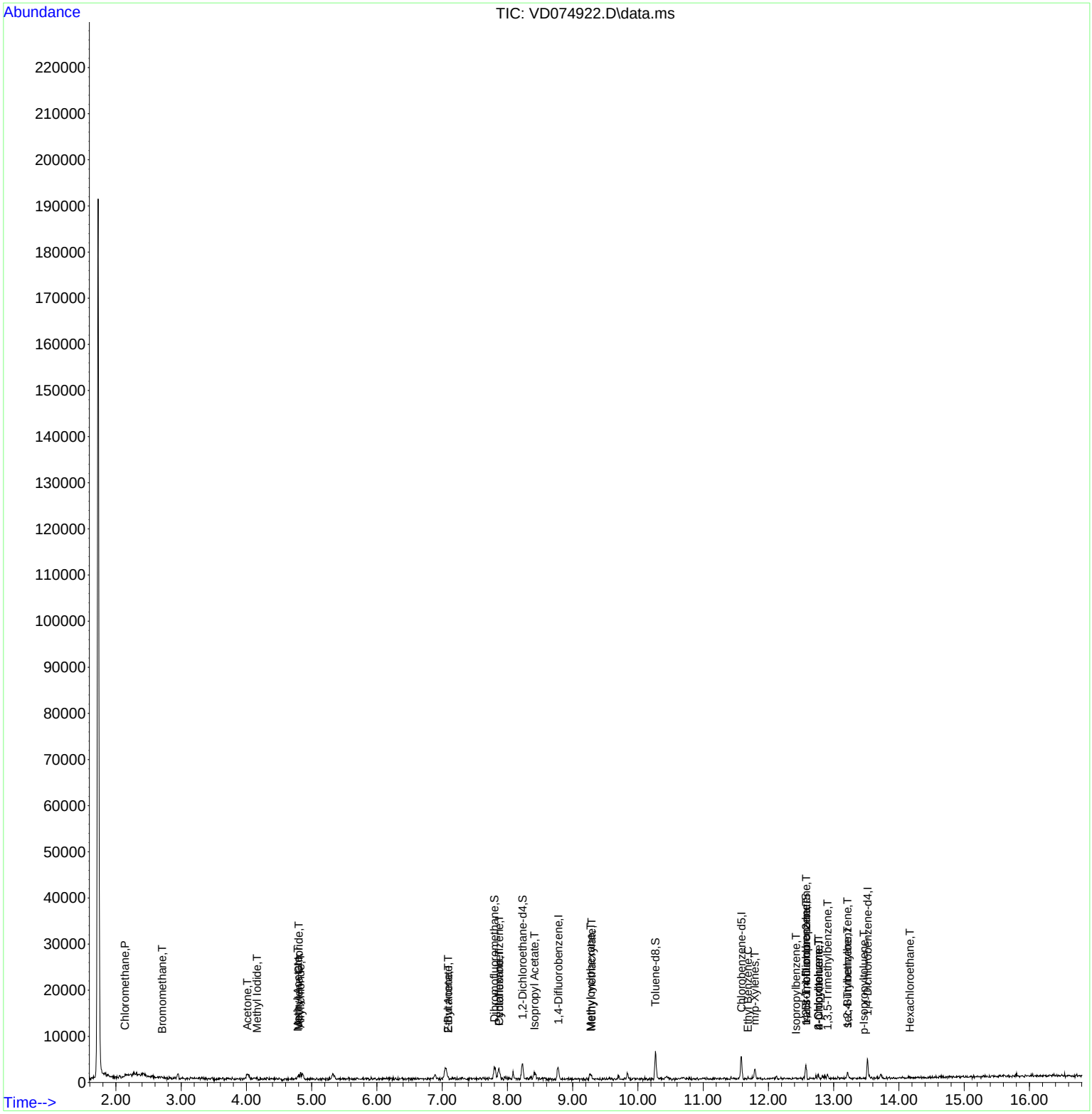
(#) = qualifier out of range (m) = manual integration (+) = signals summed

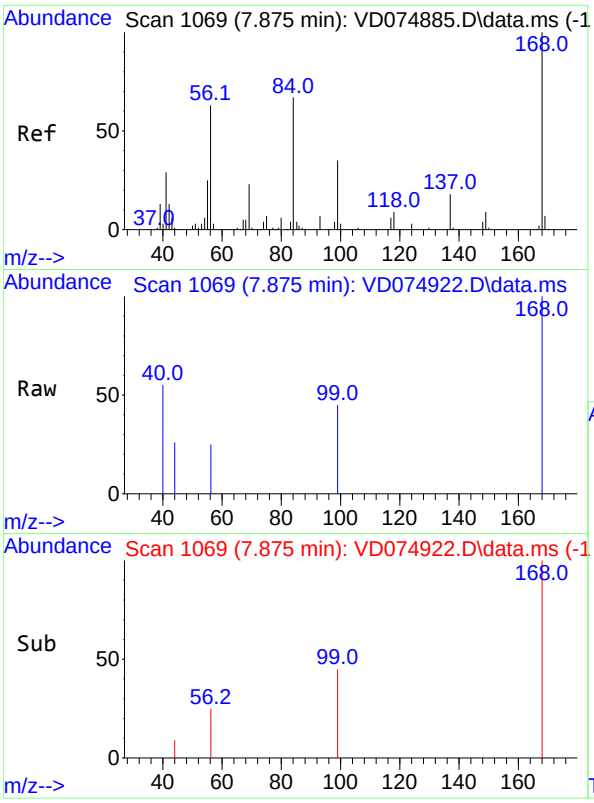
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111122\
Data File : VD074922.D
Acq On : 12 Nov 2022 07:52
Operator : VA/SY
Sample : N5531-12RE
Misc : 5.02G/5.00ml/MSVOA_D/SOIL
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SB-28ARE

Quant Time: Nov 14 01:00:50 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 14 00:51:58 2022
Response via : Initial Calibration



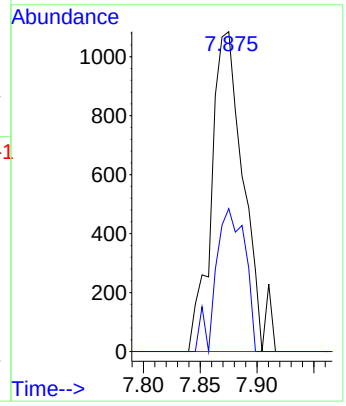


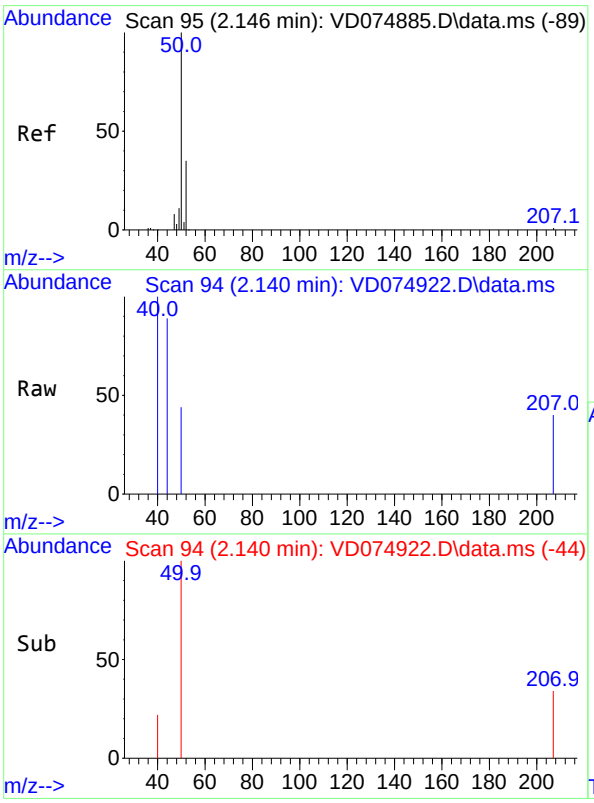
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Instrument :
MSVOA_D
ClientSampleId :
SB-28ARE

Tgt Ion:168 Resp: 2152

Ion	Ratio	Lower	Upper
168	100		
99	44.7	40.9	61.3

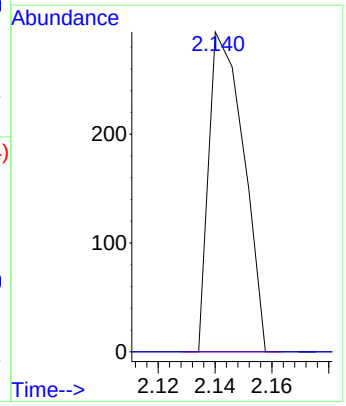


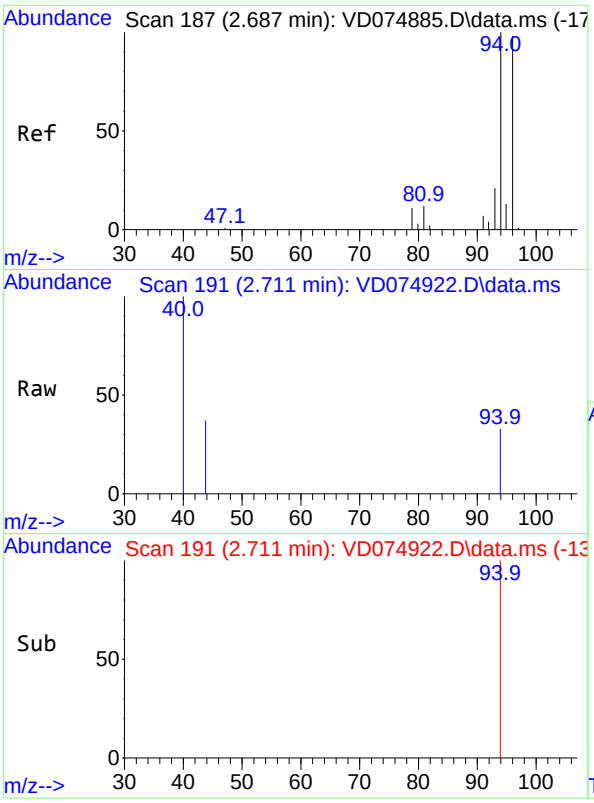


#3
Chloromethane
Concen: 7.889 ug/l
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Tgt Ion: 50 Resp: 249

Ion	Ratio	Lower	Upper
50	100		
52	0.0	30.0	45.0#



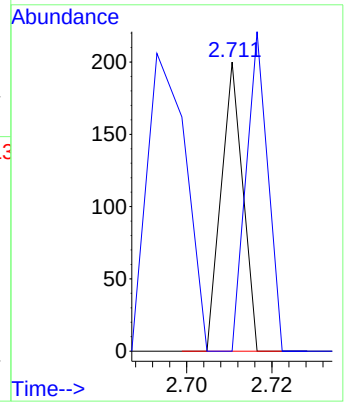


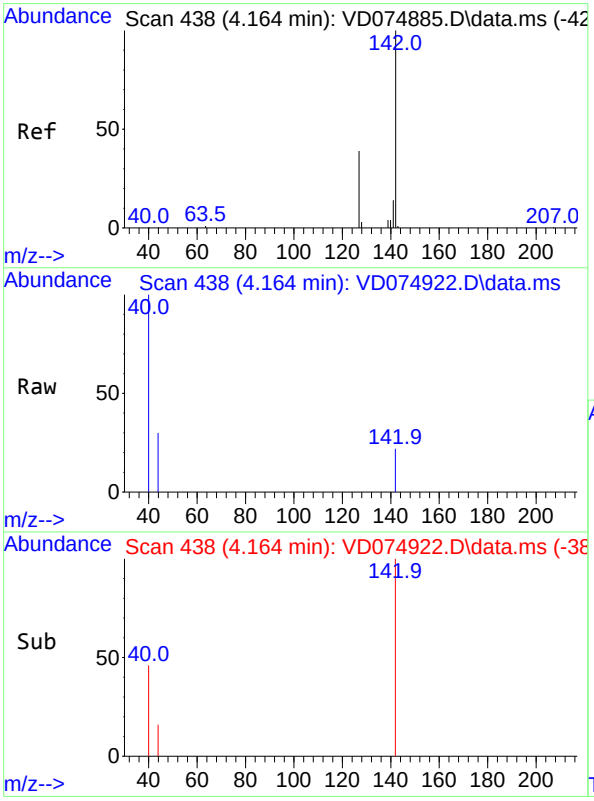
#5
Bromomethane
Concen: 2.189 ug/l
RT: 2.711 min Scan# 1
Delta R.T. 0.024 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Instrument :
MSVOA_D
ClientSampleId :
SB-28ARE

Tgt Ion: 94 Resp: 71

Ion	Ratio	Lower	Upper
94	100		
96	0.0	74.6	112.0#

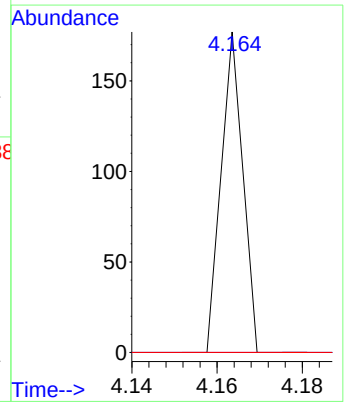


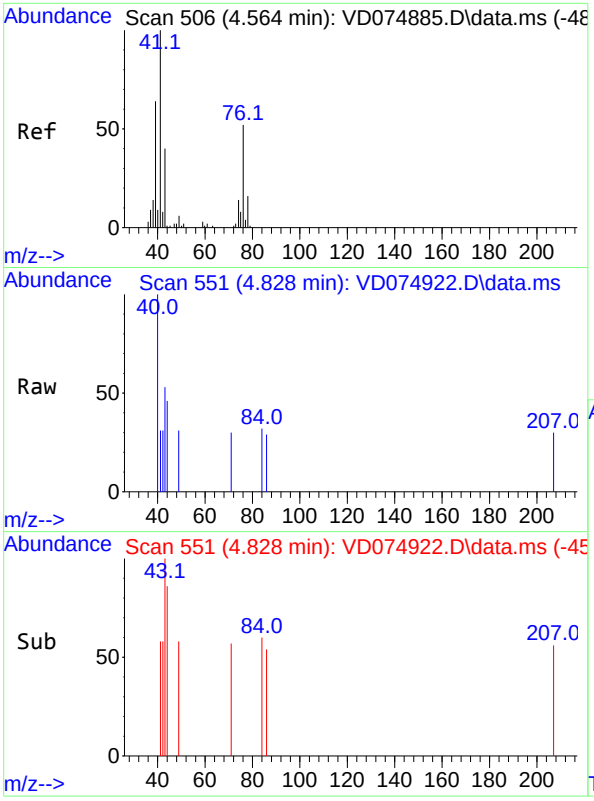


#10
Methyl Iodide
Concen: 6.918 ug/l
RT: 4.164 min Scan# 438
Delta R.T. -0.000 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Tgt Ion:142 Resp: 62

Ion	Ratio	Lower	Upper
142	100		
127	0.0	31.9	47.9#
141	0.0	11.4	17.2#



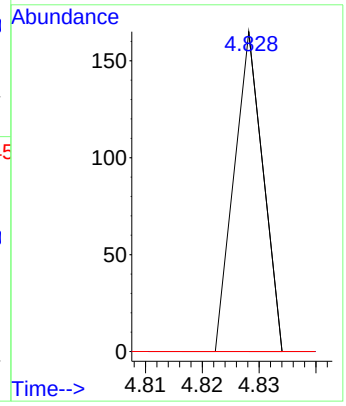


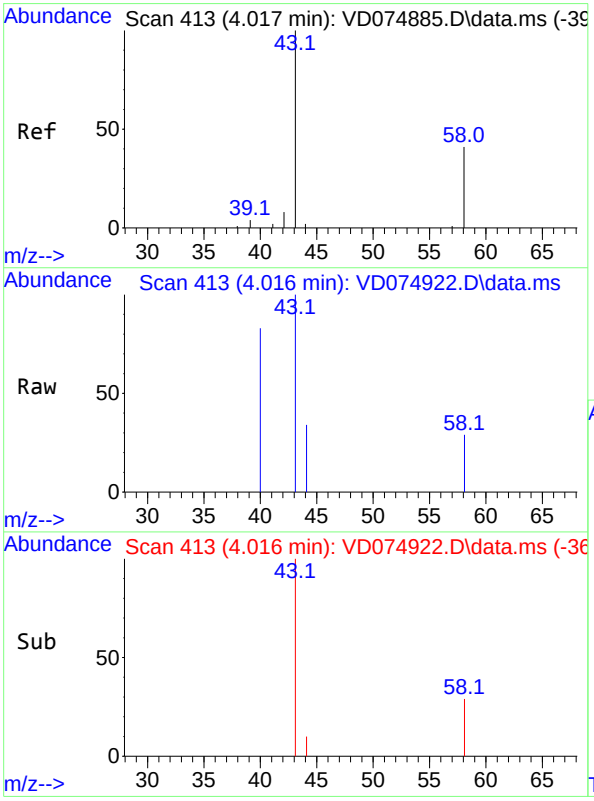
#14
Allyl chloride
Concen: 2.537 ug/l
RT: 4.828 min Scan# 5
Delta R.T. 0.264 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Instrument :
MSVOA_D
ClientSampleId :
SB-28ARE

Tgt Ion: 41 Resp: 58

Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.4	80.2#
76	0.0	42.4	63.6#

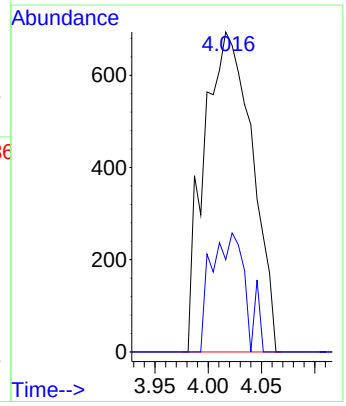


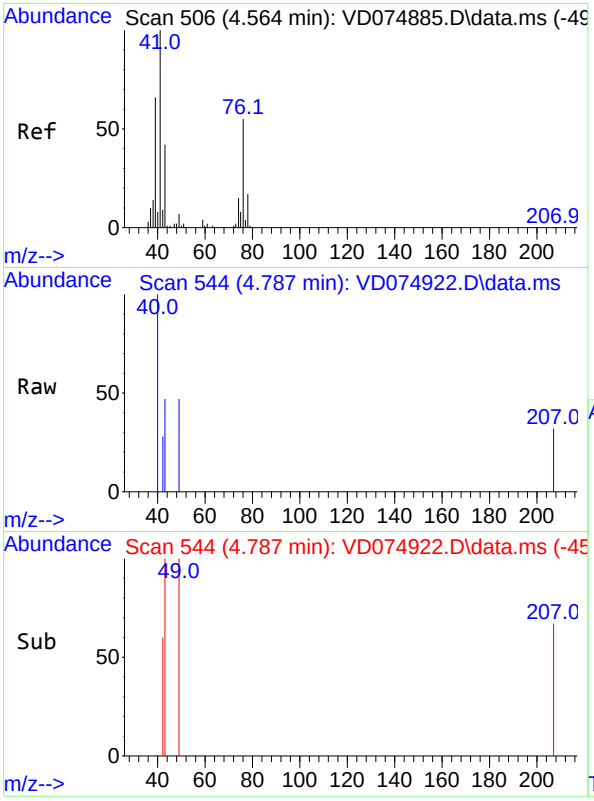


#16
Acetone
Concen: 611.668 ug/l
RT: 4.016 min Scan# 413
Delta R.T. -0.001 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Tgt Ion: 43 Resp: 2173

Ion	Ratio	Lower	Upper
43	100		
58	28.8	30.2	45.2#



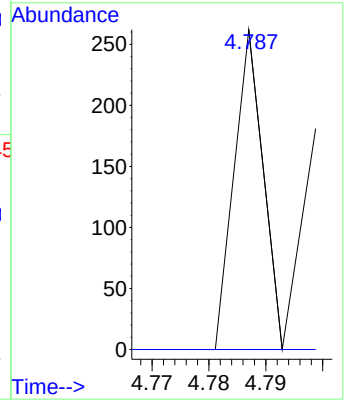


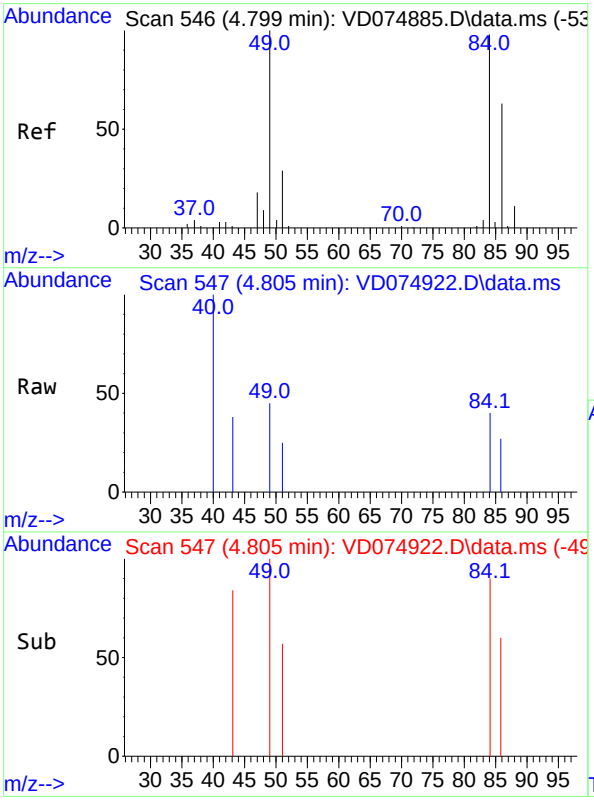
#18
Methyl Acetate
Concen: 8.180 ug/l
RT: 4.787 min Scan# 54
Delta R.T. 0.223 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Instrument :
MSVOA_D
ClientSampleId :
SB-28ARE

Tgt Ion: 43 Resp: 92

Ion	Ratio	Lower	Upper
43	100		
74	0.0	24.7	37.1#

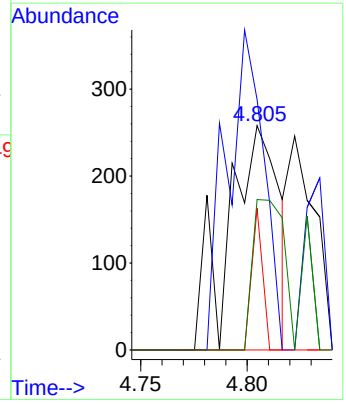


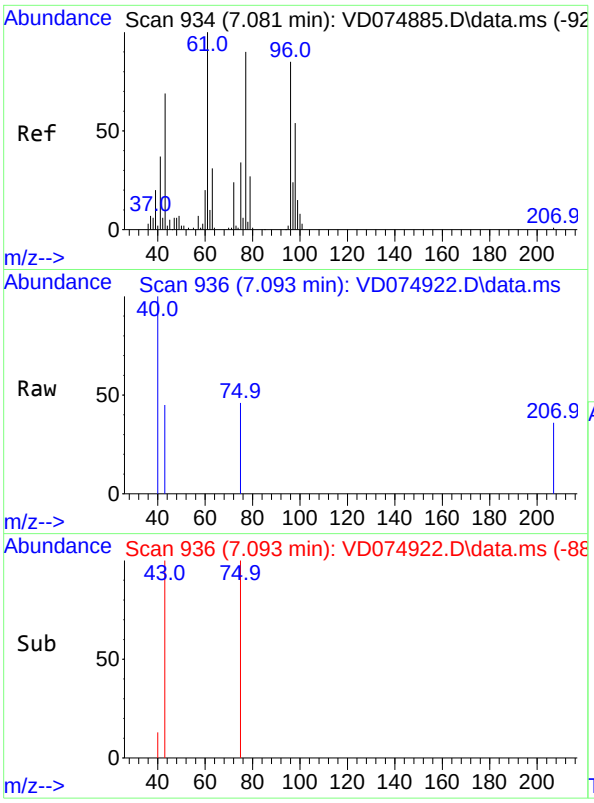


#20
Methylene Chloride
Concen: 1.273 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Tgt Ion: 84 Resp: 428

Ion	Ratio	Lower	Upper
84	100		
49	111.6	68.0	102.0#
51	63.2	23.2	34.8#
86	67.1	48.0	72.0



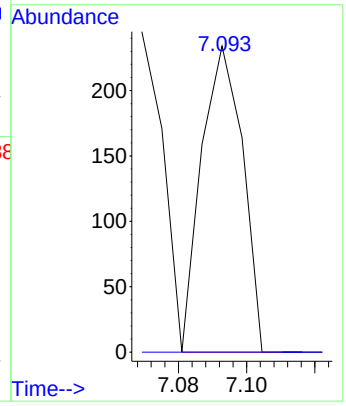


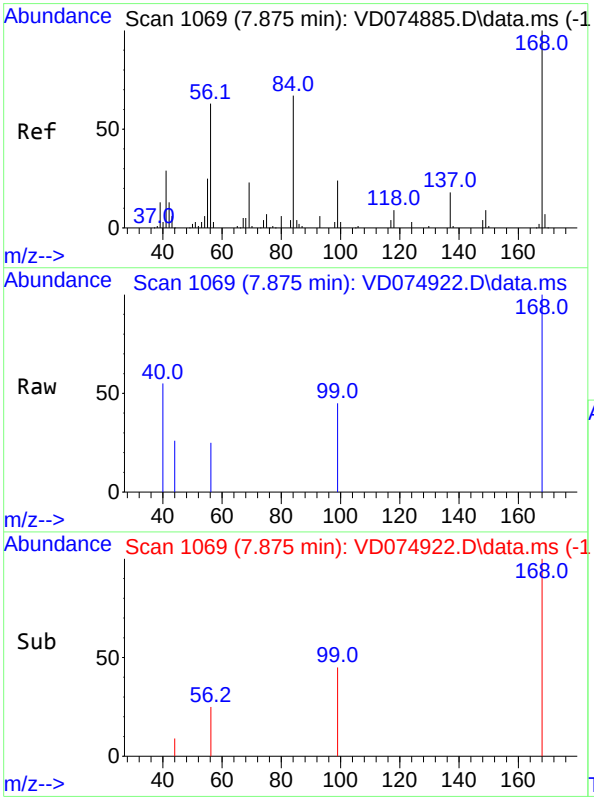
#25
2-Butanone
Concen: 42.405 ug/l
RT: 7.093 min Scan# 9
Delta R.T. 0.012 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Instrument :
MSVOA_D
ClientSampleId :
SB-28ARE

Tgt Ion: 43 Resp: 197

Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.8	38.8#

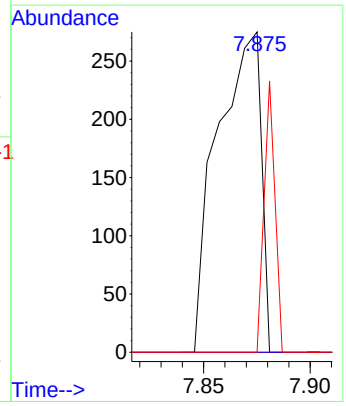


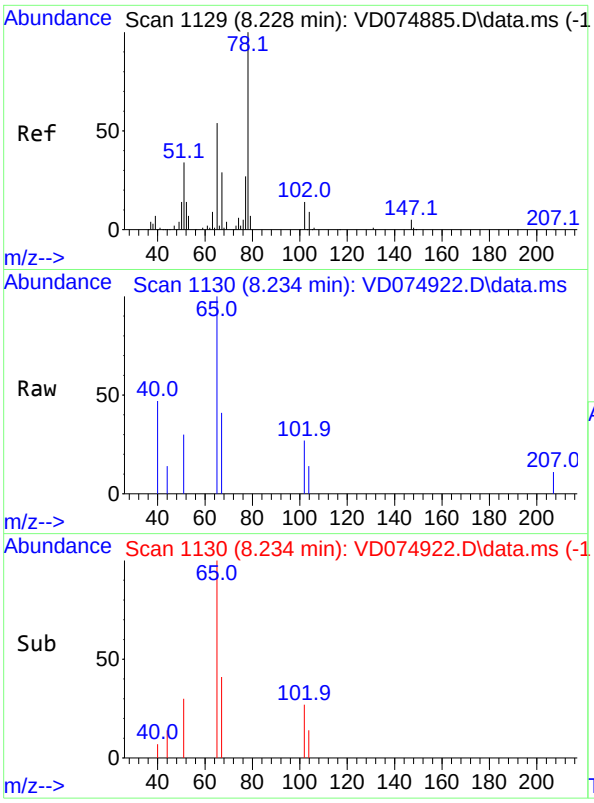


#31
Cyclohexane
Concen: 12.463 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Tgt Ion: 56 Resp: 391

Ion	Ratio	Lower	Upper
56	100		
69	0.0	29.2	43.8#
84	0.0	83.4	125.2#



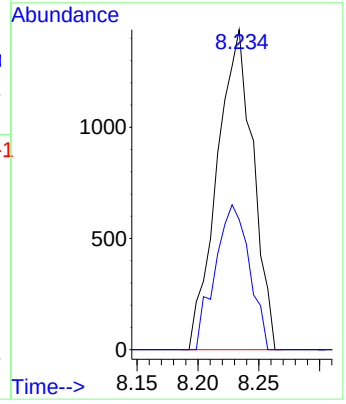


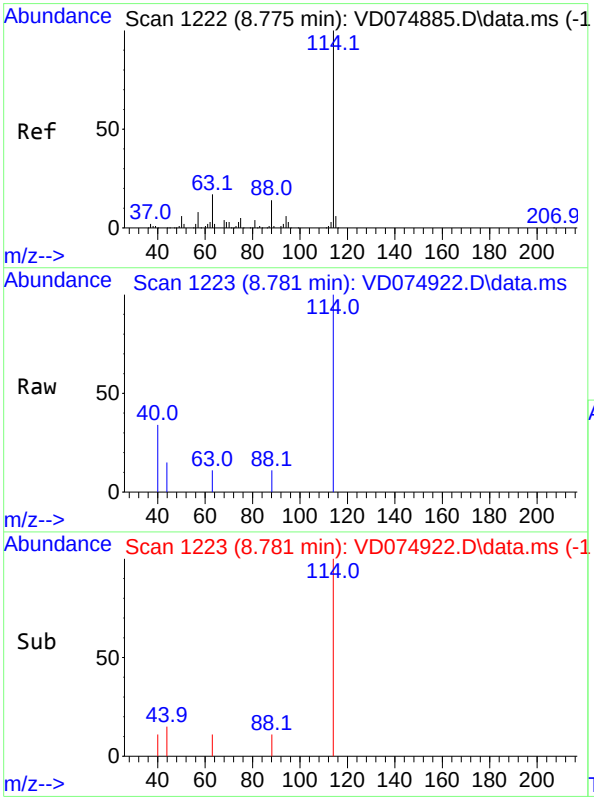
#33
1,2-Dichloroethane-d4
Concen: 228.982 ug/l
RT: 8.234 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Instrument :
MSVOA_D
ClientSampleId :
SB-28ARE

Tgt Ion: 65 Resp: 2971

Ion	Ratio	Lower	Upper
65	100		
67	43.0	0.0	110.2

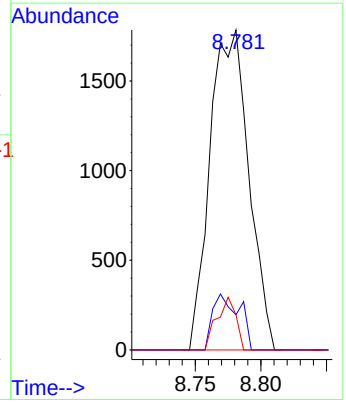


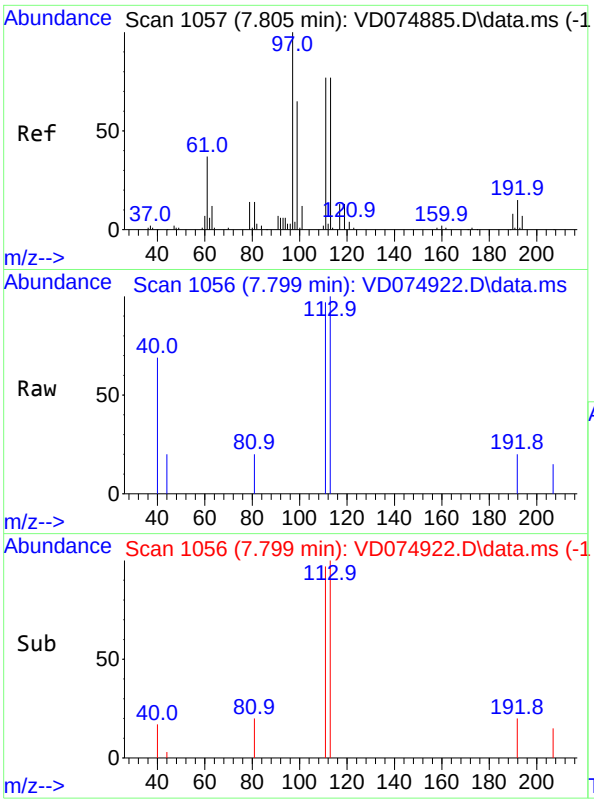


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 1223
Delta R.T. 0.006 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Tgt Ion:114 Resp: 3668

Ion	Ratio	Lower	Upper
114	100		
63	11.0	0.0	33.2
88	11.0	0.0	28.2



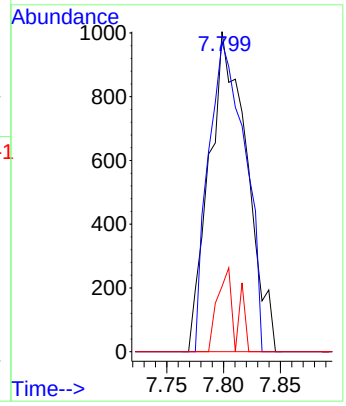


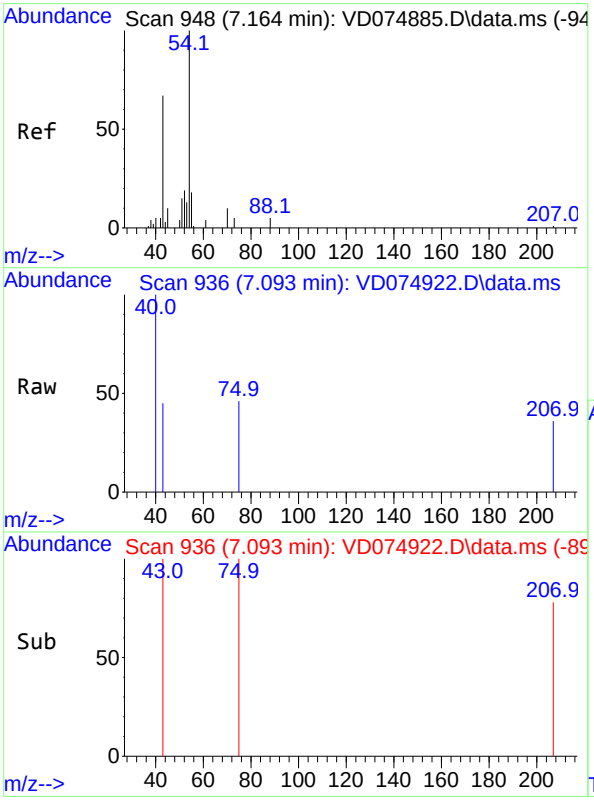
#35
Dibromofluoromethane
Concen: 102.385 ug/l
RT: 7.799 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Instrument :
MSVOA_D
ClientSampleId :
SB-28ARE

Tgt Ion:113 Resp: 2315

Ion	Ratio	Lower	Upper
113	100		
111	94.2	82.3	123.5
192	12.7	16.4	24.6#

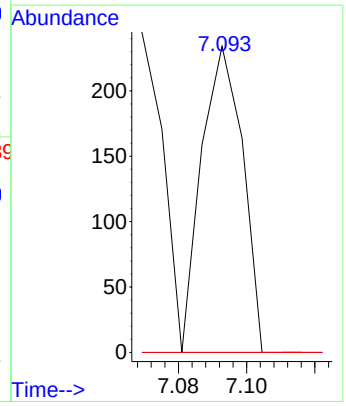


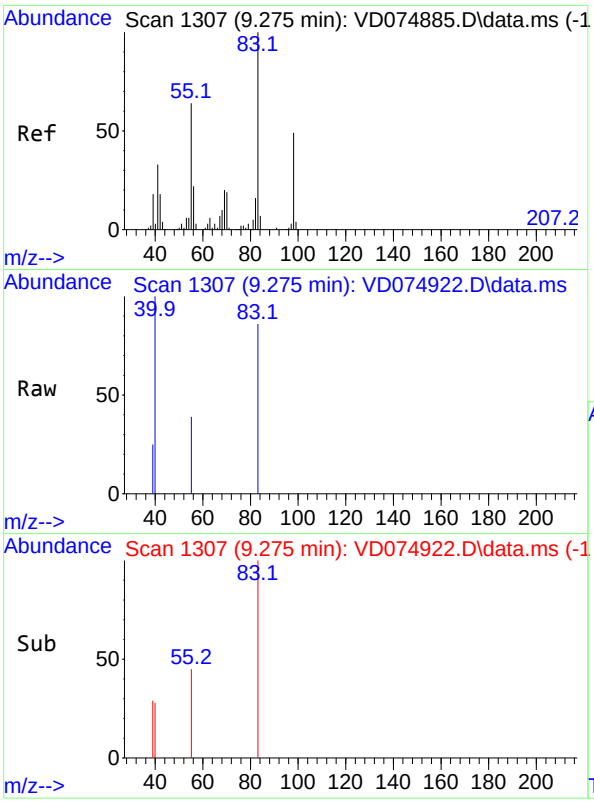


#37
Ethyl Acetate
Concen: 17.667 ug/l
RT: 7.093 min Scan# 936
Delta R.T. -0.071 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Tgt Ion: 43 Resp: 197

Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.2	18.4#
70	0.0	9.6	14.4#



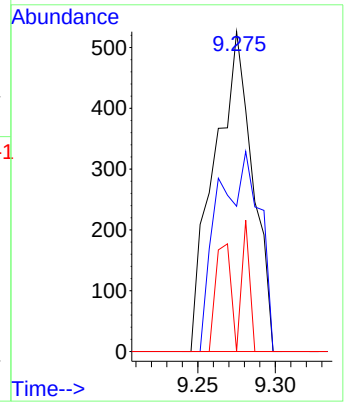


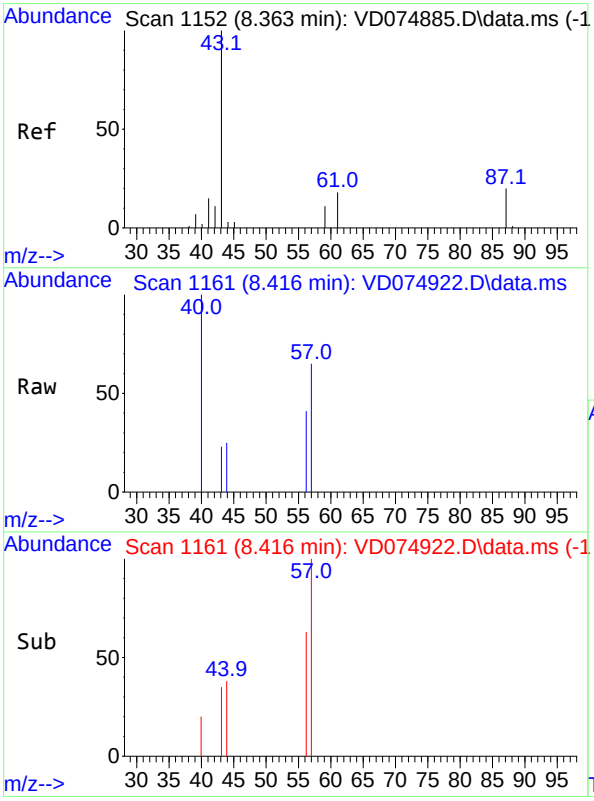
#39
Methylcyclohexane
Concen: 25.450 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Instrument :
MSVOA_D
ClientSampleId :
SB-28ARE

Tgt Ion: 83 Resp: 906

Ion	Ratio	Lower	Upper
83	100		
55	45.4	49.0	73.4#
98	0.0	41.7	62.5#

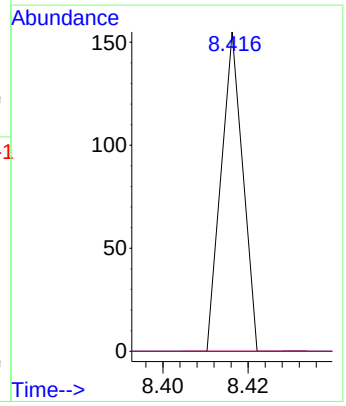


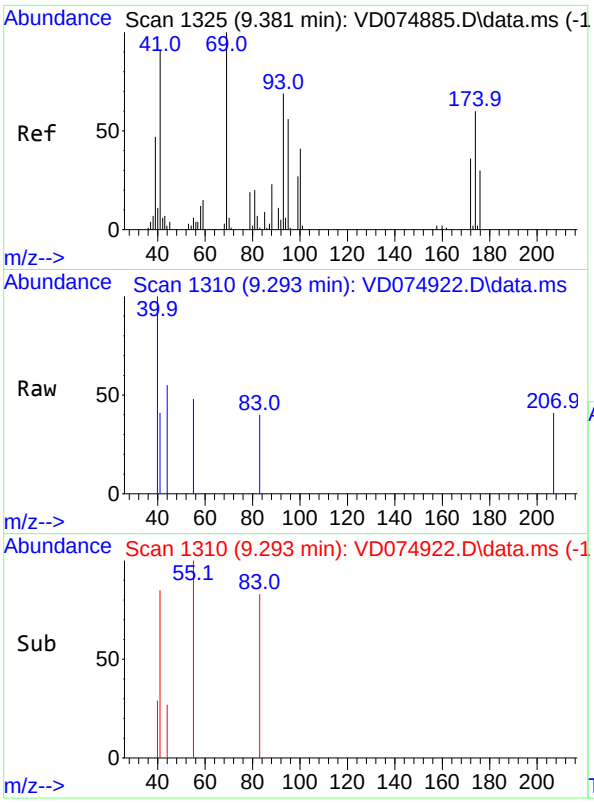


#43
Isopropyl Acetate
Concen: 2.801 ug/l
RT: 8.416 min Scan# 1161
Delta R.T. 0.053 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Tgt Ion: 43 Resp: 55

Ion	Ratio	Lower	Upper
43	100		
61	0.0	30.9	46.3#
87	0.0	14.3	21.5#



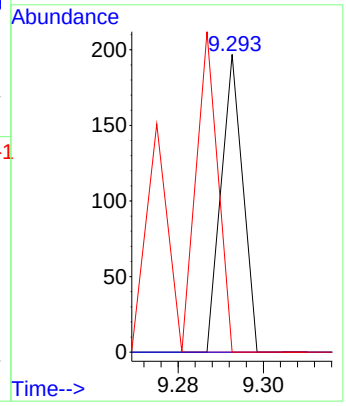


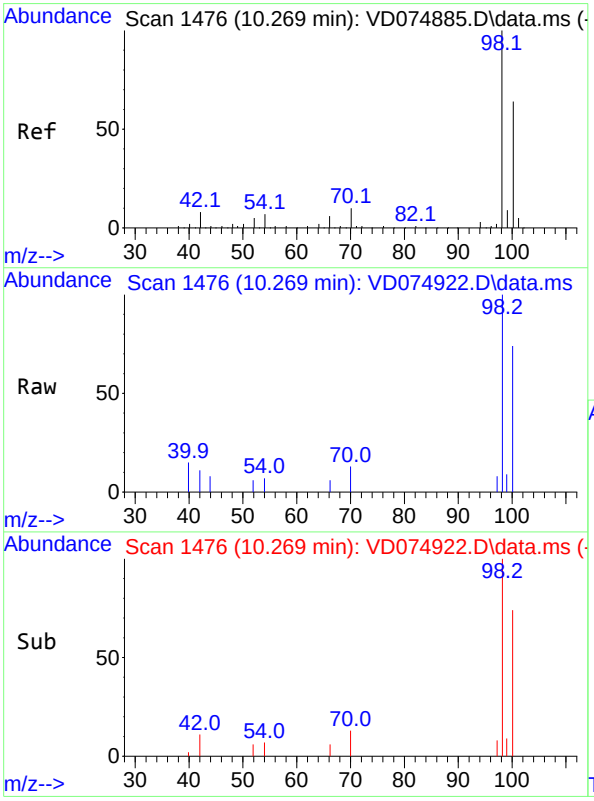
#48
Methyl methacrylate
Concen: 7.931 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.088 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Instrument :
MSVOA_D
ClientSampleId :
SB-28ARE

Tgt Ion: 41 Resp: 69

Ion	Ratio	Lower	Upper
41	100		
69	0.0	93.0	139.4#
39	76.8	44.6	66.8#

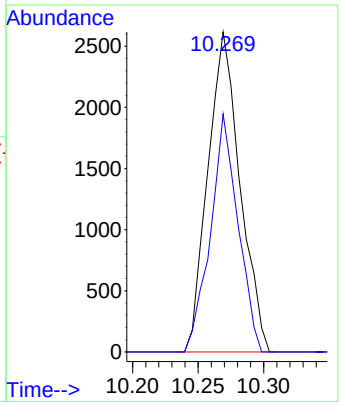


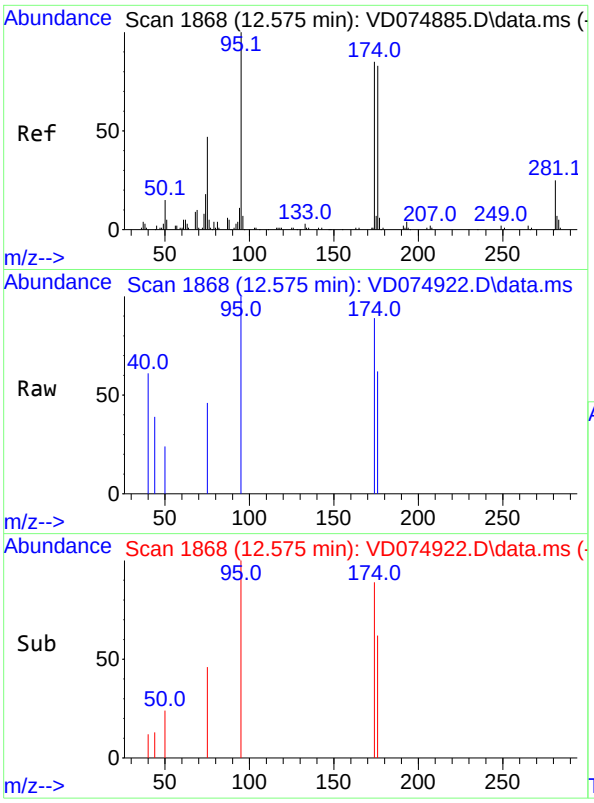


#50
Toluene-d8
Concen: 59.814 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Tgt Ion: 98 Resp: 4455

Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.4	77.0



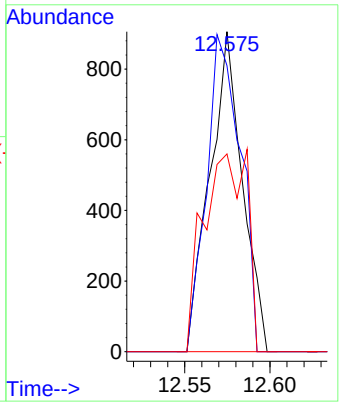


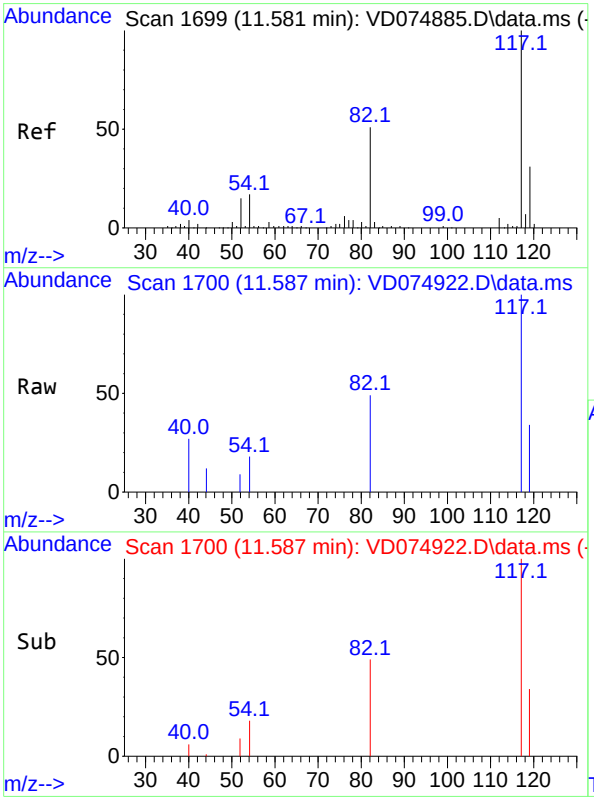
#62
4-Bromofluorobenzene
Concen: 52.775 ug/l
RT: 12.575 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Instrument :
MSVOA_D
ClientSampleId :
SB-28ARE

Tgt Ion: 95 Resp: 1207

Ion	Ratio	Lower	Upper
95	100		
174	103.0	0.0	197.0
176	82.9	0.0	182.6

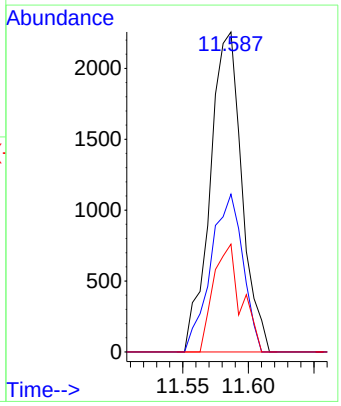


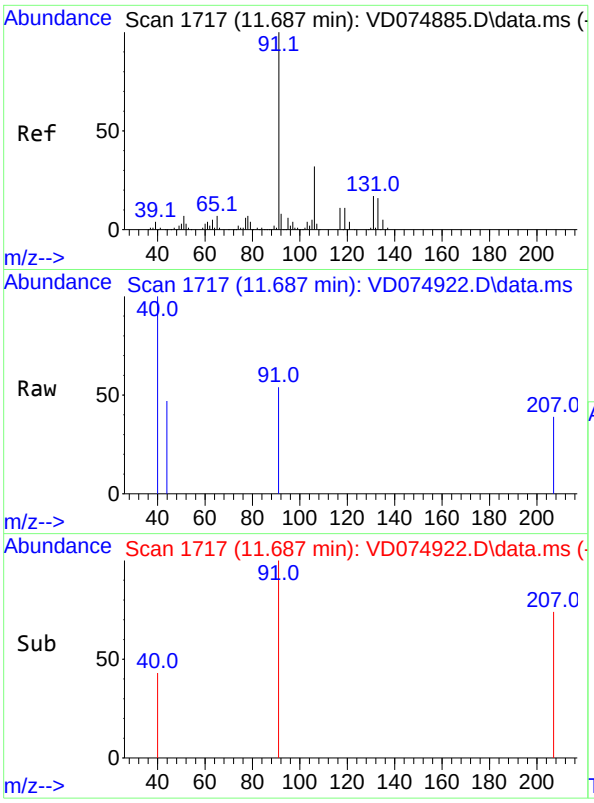


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Tgt Ion:117 Resp: 3802

Ion	Ratio	Lower	Upper
117	100		
82	49.3	41.6	62.4
119	33.7	25.2	37.8



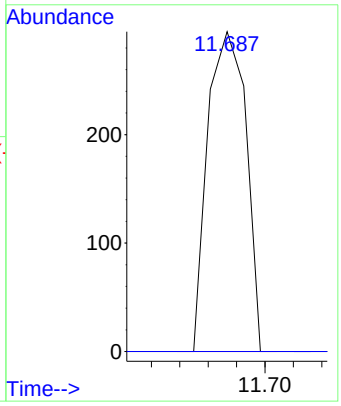


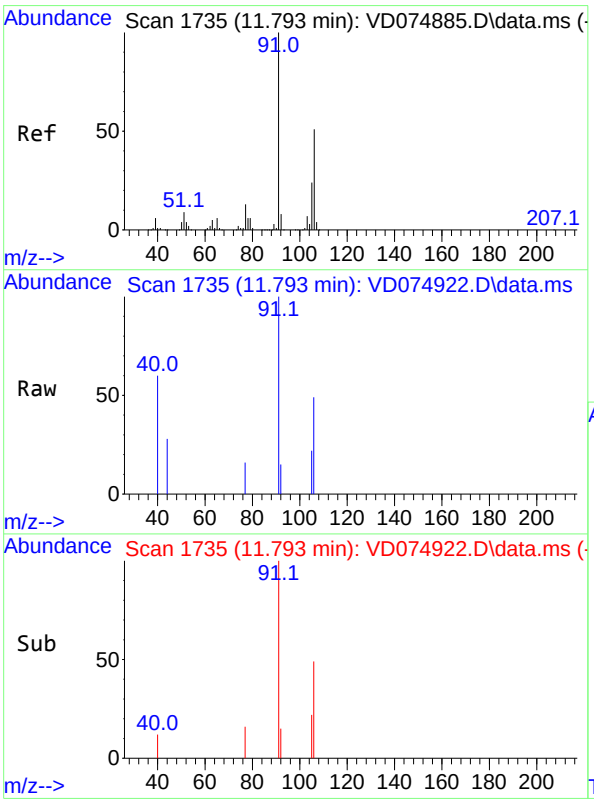
#67
Ethyl Benzene
Concen: 2.130 ug/l
RT: 11.687 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Instrument :
MSVOA_D
ClientSampleId :
SB-28ARE

Tgt Ion: 91 Resp: 276

Ion	Ratio	Lower	Upper
91	100		
106	0.0	26.6	40.0#

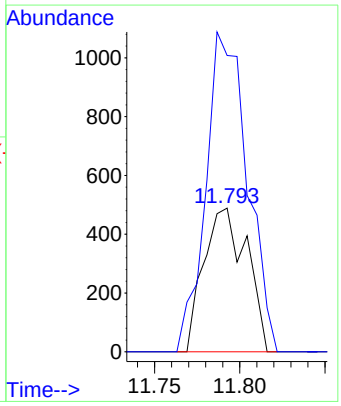


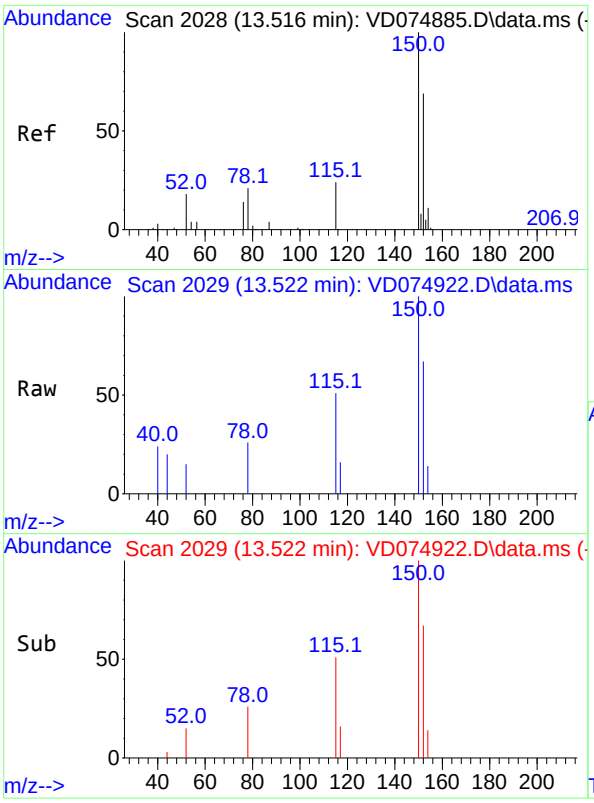


#68
m/p-Xylenes
Concen: 16.627 ug/l
RT: 11.793 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Tgt Ion:106 Resp: 859

Ion	Ratio	Lower	Upper
106	100		
91	215.0	156.2	234.4



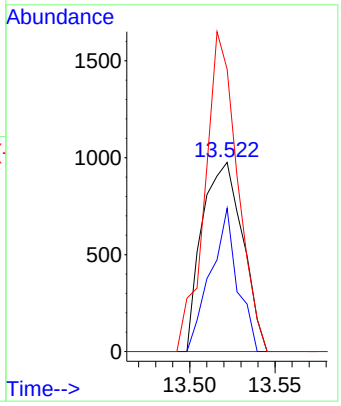


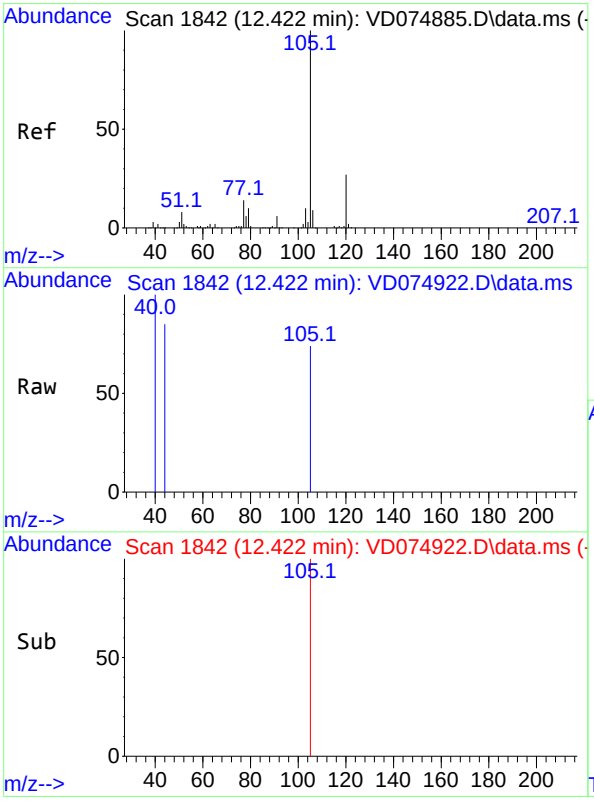
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2
Delta R.T. 0.006 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Instrument :
MSVOA_D
ClientSampleId :
SB-28ARE

Tgt Ion:152 Resp: 1618

Ion	Ratio	Lower	Upper
152	100		
115	50.2	26.8	80.4
150	135.6	0.0	348.2

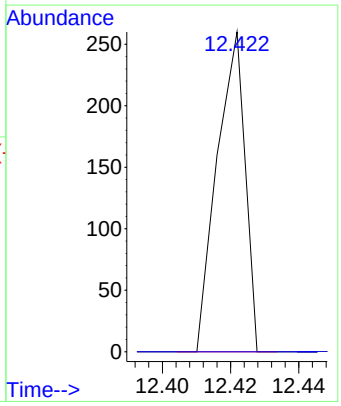


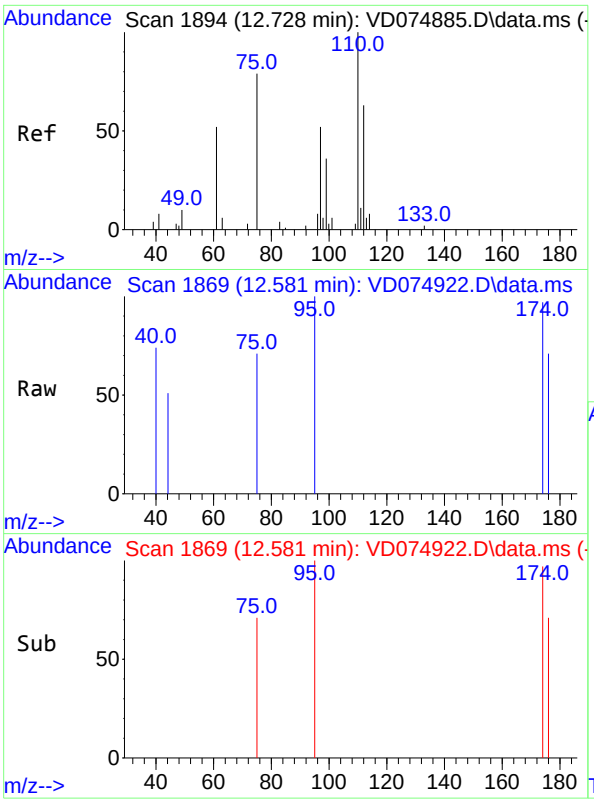


#73
Isopropylbenzene
Concen: 1.329 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Tgt Ion:105 Resp: 148

Ion	Ratio	Lower	Upper
105	100		
120	0.0	13.5	40.4#



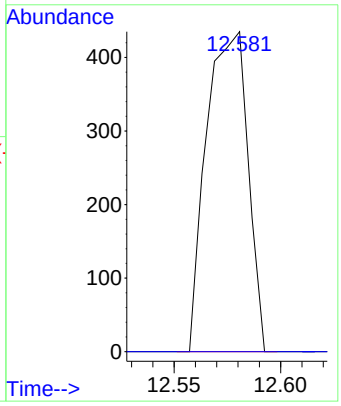


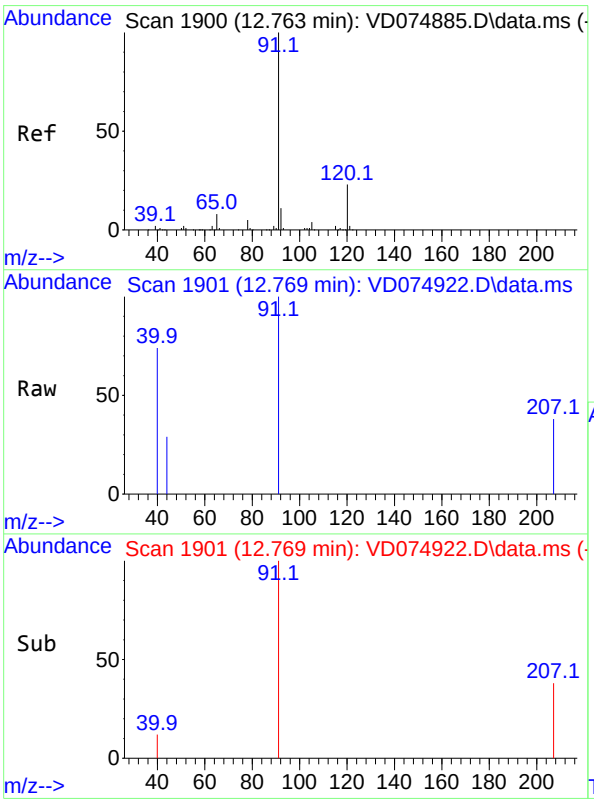
#76
1,2,3-Trichloropropane
Concen: 43.449 ug/l
RT: 12.581 min Scan# 1
Delta R.T. -0.147 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Instrument :
MSVOA_D
ClientSampleId :
SB-28ARE

Tgt Ion: 75 Resp: 588

Ion	Ratio	Lower	Upper
75	100		
77	0.0	185.8	557.5#

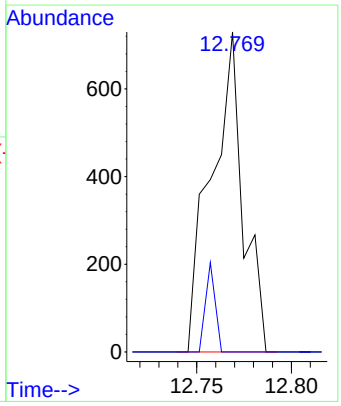


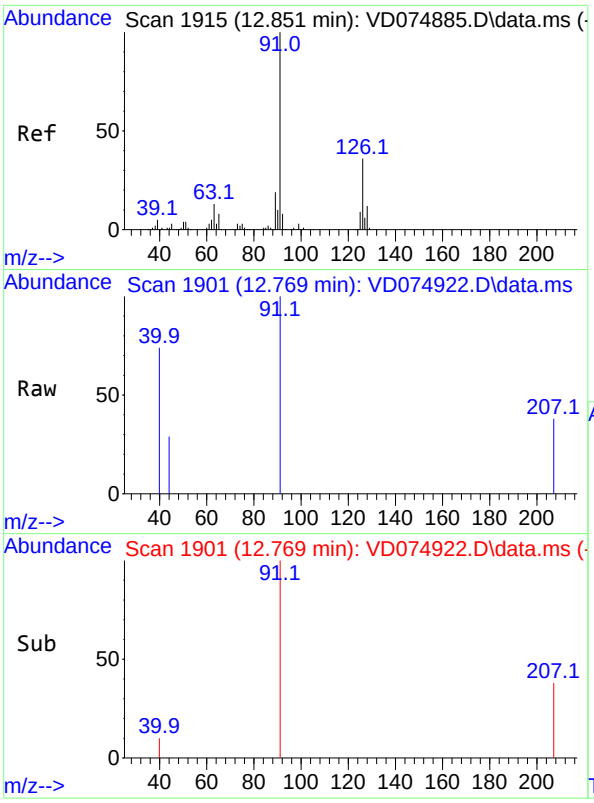


#78
n-propylbenzene
Concen: 6.224 ug/l
RT: 12.769 min Scan# 1901
Delta R.T. 0.006 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Tgt Ion: 91 Resp: 852

Ion	Ratio	Lower	Upper
91	100		
120	8.5	11.9	35.7#



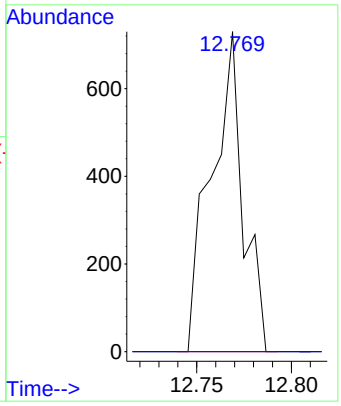


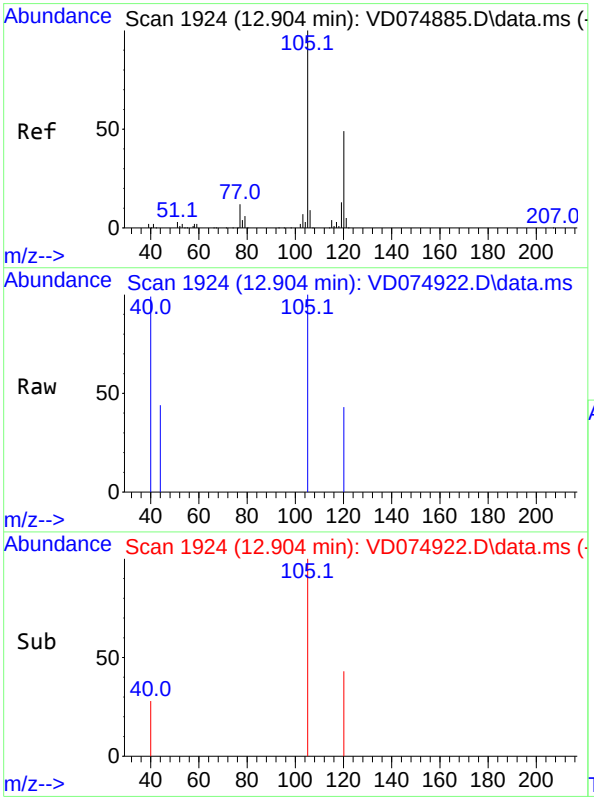
#79
2-Chlorotoluene
Concen: 11.551 ug/l
RT: 12.769 min Scan# 1
Delta R.T. -0.082 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Instrument :
MSVOA_D
ClientSampleId :
SB-28ARE

Tgt Ion: 91 Resp: 852

Ion	Ratio	Lower	Upper
91	100		
126	0.0	18.3	54.8#

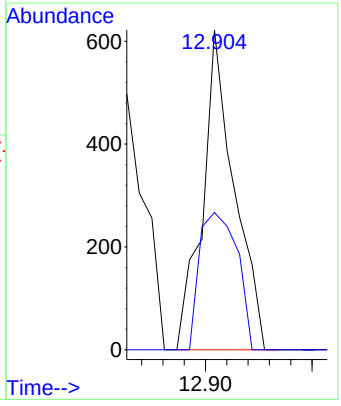


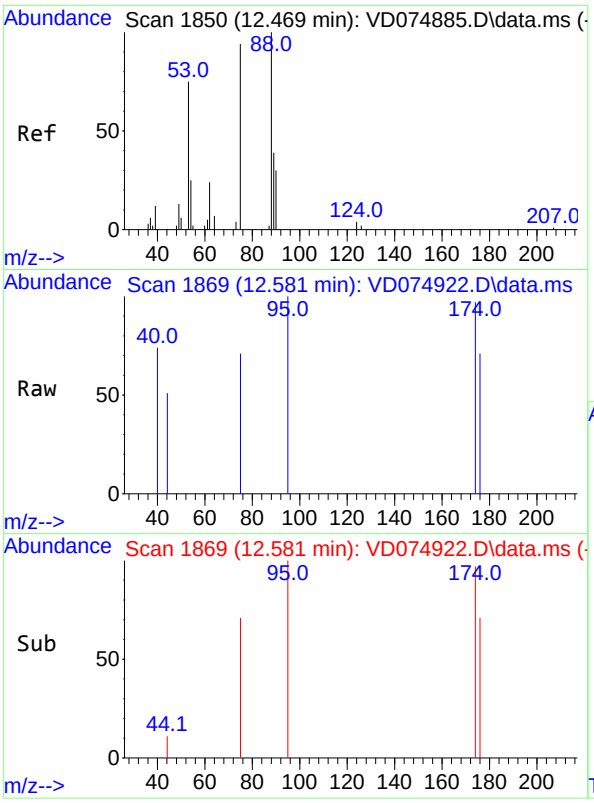


#80
1,3,5-Trimethylbenzene
Concen: 6.940 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Tgt Ion:105 Resp: 644

Ion	Ratio	Lower	Upper
105	100		
120	51.1	25.7	77.0



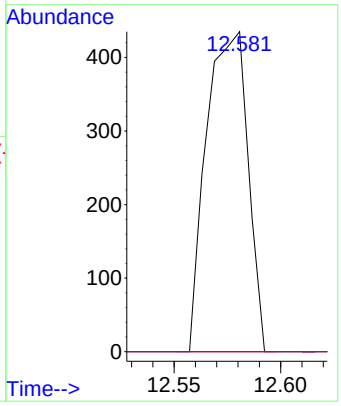


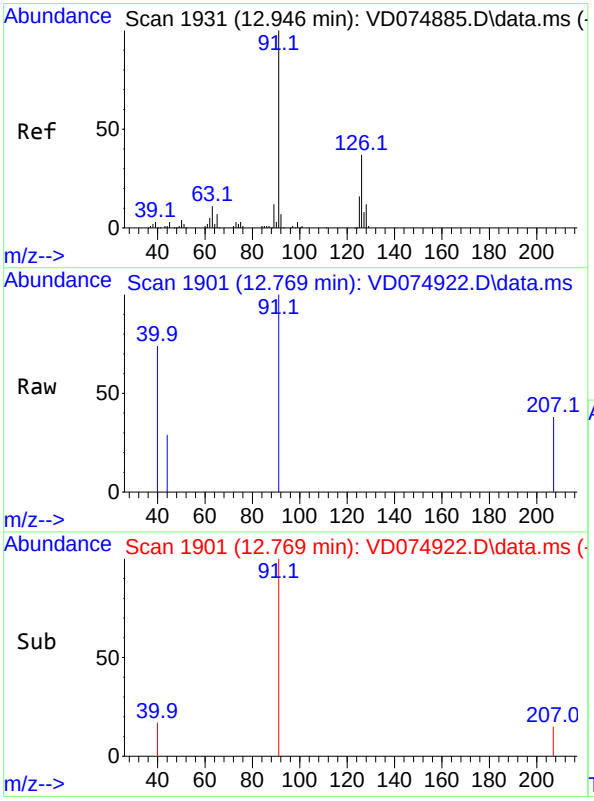
#81
trans-1,4-Dichloro-2-butene
Concen: 106.887 ug/l
RT: 12.581 min Scan# 1
Delta R.T. 0.112 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Instrument :
MSVOA_D
ClientSampleId :
SB-28ARE

Tgt Ion: 75 Resp: 588

Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.8	95.6#
89	0.0	38.2	57.4#

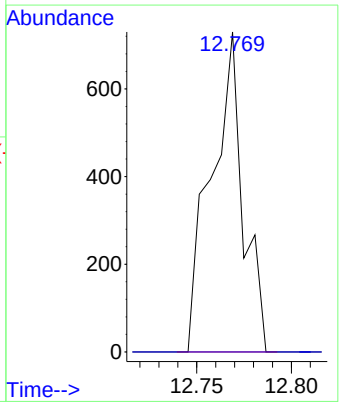


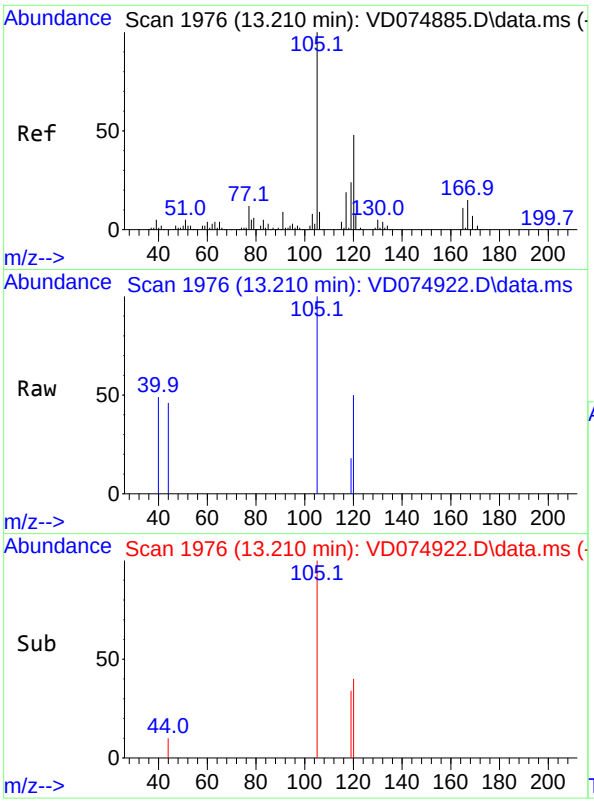


#82
4-Chlorotoluene
Concen: 11.092 ug/l
RT: 12.769 min Scan# 1901
Delta R.T. -0.177 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Tgt Ion: 91 Resp: 852

Ion	Ratio	Lower	Upper
91	100		
126	0.0	18.8	56.4#



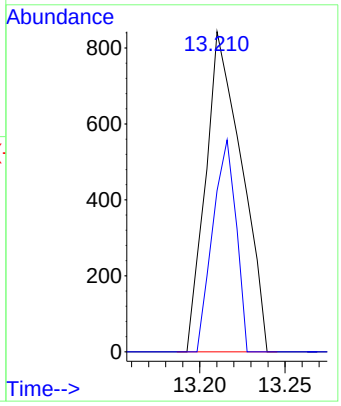


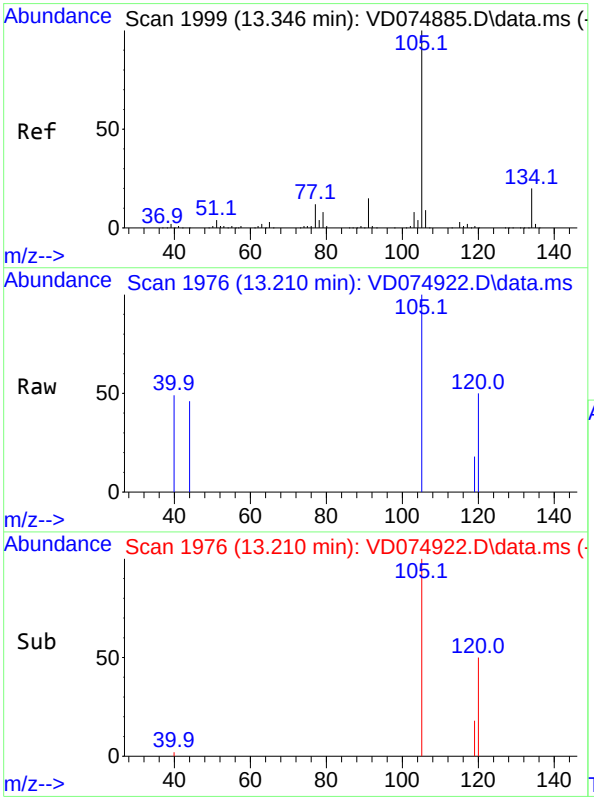
#84
1,2,4-Trimethylbenzene
Concen: 13.479 ug/l
RT: 13.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Instrument :
MSVOA_D
ClientSampleId :
SB-28ARE

Tgt Ion:105 Resp: 1237

Ion	Ratio	Lower	Upper
105	100		
120	42.9	22.9	68.7

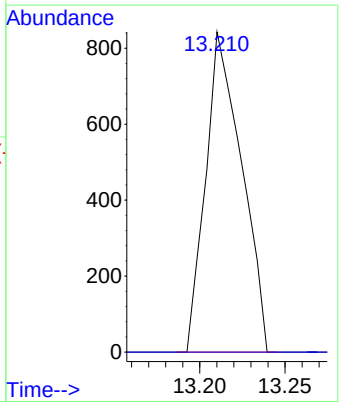


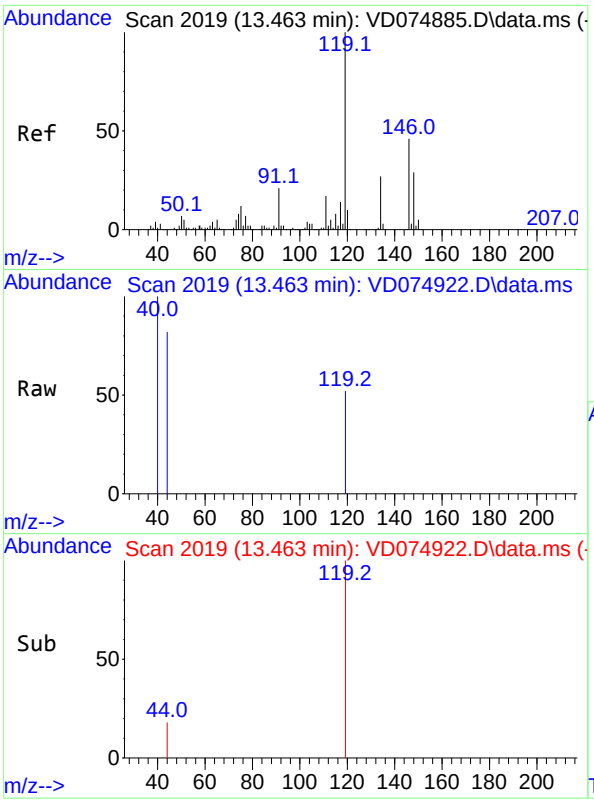


#85
sec-Butylbenzene
Concen: 10.100 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. -0.136 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Tgt Ion:105 Resp: 1237

Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.0	30.0#



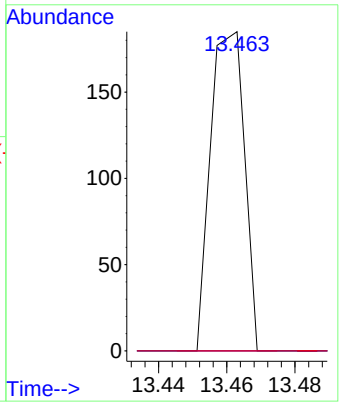


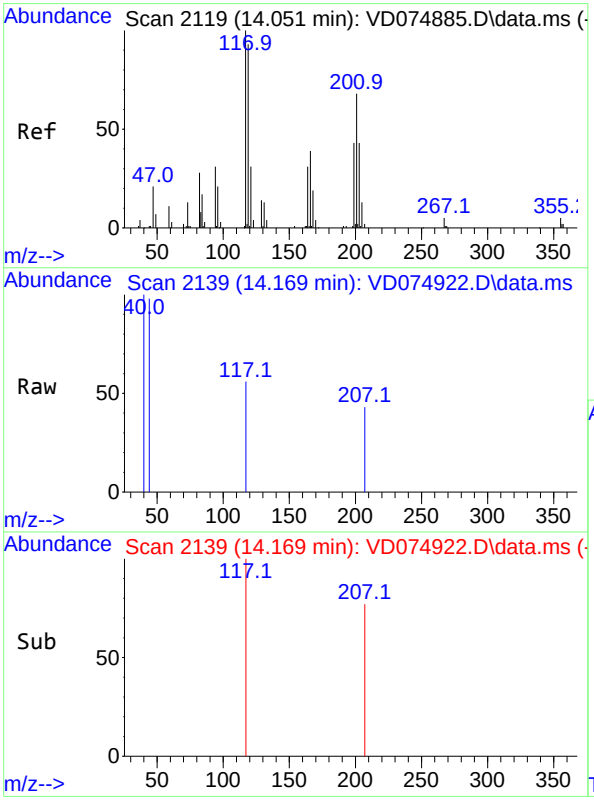
#86
p-Isopropyltoluene
Concen: 1.257 ug/l
RT: 13.463 min Scan# 2
Delta R.T. 0.000 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Instrument :
MSVOA_D
ClientSampleId :
SB-28ARE

Tgt Ion:119 Resp: 128

Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.5	40.4#
91	0.0	10.8	32.4#





#90
Hexachloroethane
Concen: 8.662 ug/l
RT: 14.169 min Scan# 2139
Delta R.T. 0.118 min
Lab File: VD074922.D
Acq: 12 Nov 2022 07:52

Tgt Ion:117 Resp: 158

Ion	Ratio	Lower	Upper
117	100		
201	0.0	38.0	114.0#