

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062923\
 Data File : VD076637.D
 Acq On : 29 Jun 2023 14:28
 Operator : KP/SY
 Sample : 03422-22RE
 Misc : 5.37G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 30 01:15:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jun 16 01:50:34 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	33118	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	22055	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	6607	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.263	65	8592	10.653	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	42.600%
7) Chloroethane-d5	2.793	69	9838	15.086	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	60.360%
11) 1,1-Dichloroethene-d2	3.899	65	656	3.116	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	12.480%#
21) 2-Butanone-d5	6.993	46	23552	192.819	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	385.640%#
24) Chloroform-d	7.563	84	18673	21.401	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.600%
26) 1,2-Dichloroethane-d4	8.228	65	13557	31.496	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	126.000%
32) Benzene-d6	8.193	84	30976	22.960	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.840%
36) 1,2-Dichloropropane-d6	9.204	67	12695	29.479	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	117.920%
41) Toluene-d8	10.275	98	17886	14.318	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	57.280%
43) trans-1,3-Dichloroprop...	10.522	79	5718	31.923	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	127.680%
47) 2-Hexanone-d5	10.875	63	14720	220.199	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	440.400%#
56) 1,1,2,2-Tetrachloroeth...	12.651	84	16476	53.776	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	215.120%#
66) 1,2-Dichlorobenzene-d4	13.816	152	3942	16.278	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	65.120%#
Target Compounds						Qvalue
13) Acetone	4.022	43	20443	207.215	ug/L	97
15) Methyl Acetate	4.563	43	183	0.813	ug/L #	53
16) Methylene chloride	4.787	84	566	0.983	ug/L #	28
22) 2-Butanone	7.087	43	9479	59.538	ug/L #	62
34) Trichloroethene	8.769	95	1045	2.787	ug/L #	4
35) Methylcyclohexane	9.210	83	3252	5.378	ug/L #	22
37) 1,2-Dichloropropane	9.210	63	1406	3.533	ug/L #	88
40) 4-Methyl-2-pentanone	10.163	43	192	0.776	ug/L #	44
48) 2-Hexanone	10.898	43	171	1.009	ug/L #	1
61) 1,2,3-Trichloropropane	12.575	75	121	0.944	ug/L #	48
62) 1,3,5-Trimethylbenzene	13.904	105	307	0.380	ug/L	86
63) 1,2,4-Trimethylbenzene	13.904	105	307	0.385	ug/L	90
69) 1,3,5-Trichlorobenzene	15.339	180	188	0.627	ug/L #	39
70) 1,2,4-trichlorobenzene	15.339	180	188	0.705	ug/L #	38
71) Naphthalene	15.333	128	345	0.675	ug/L #	57
72) 1,2,3-Trichlorobenzene	15.504	180	124	0.535	ug/L #	1

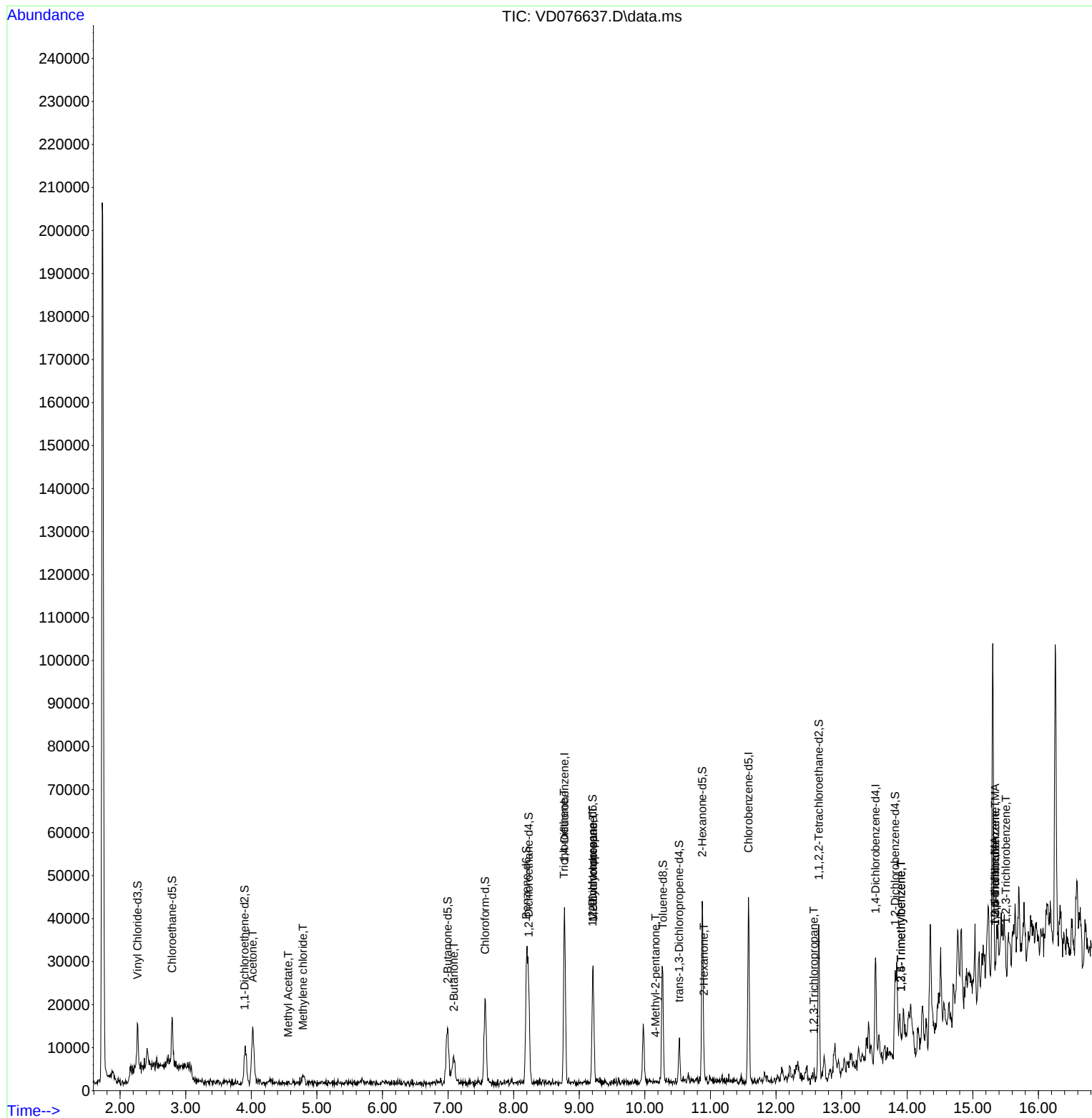
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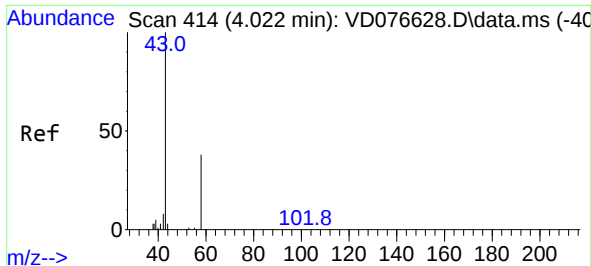
Instrument :
MSVOA_D
ClientSampleId :

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Quant Time: Jun 30 01:15:37 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Jun 16 01:50:34 2023
Response via : Initial Calibration

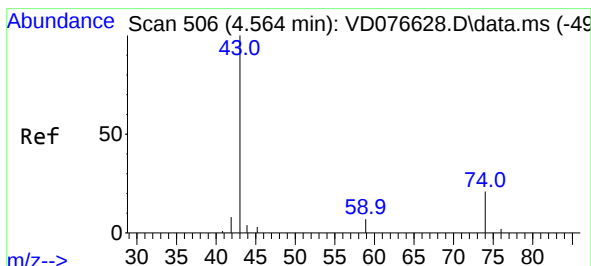
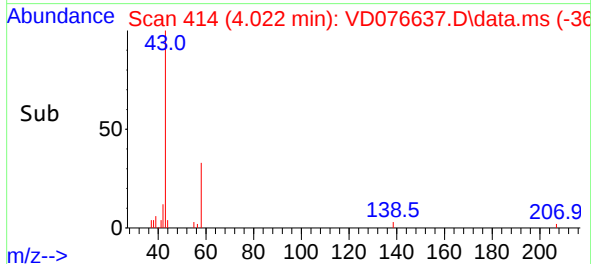
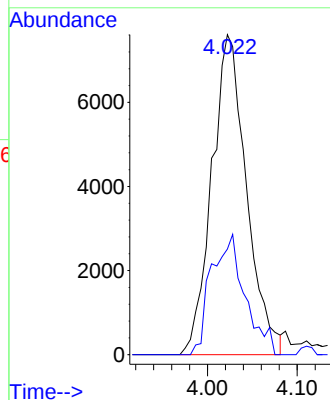
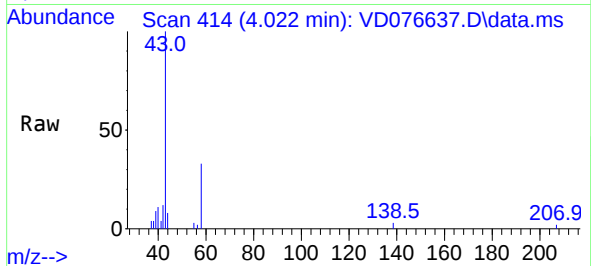




#13
Acetone
Concen: 207.215 ug/L
RT: 4.022 min Scan# 414
Delta R.T. -0.000 min
Lab File: VD076637.D
Acq: 29 Jun 2023 14:28

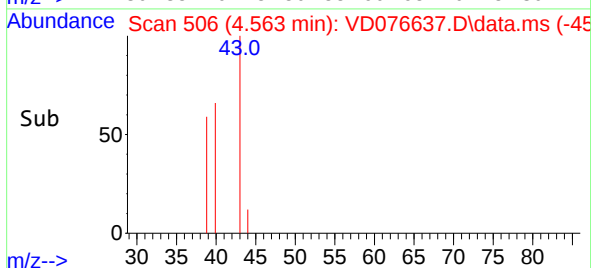
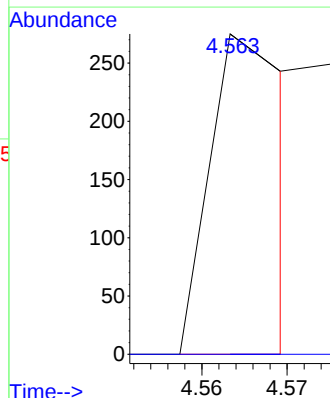
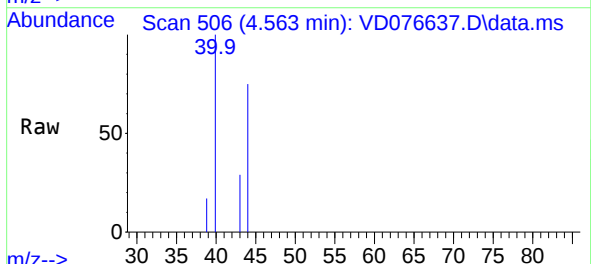
Instrument :
MSVOA_D
ClientSampleId :

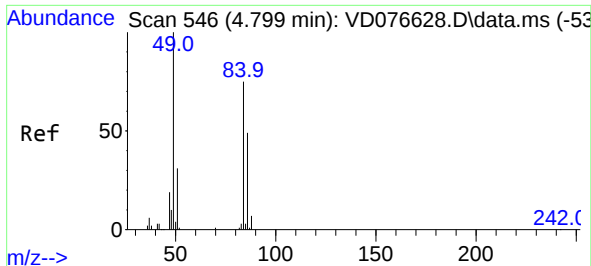
Tgt Ion: 43 Resp: 20443
Ion Ratio Lower Upper
43 100
58 35.4 0.0 67.4



#15
Methyl Acetate
Concen: 0.813 ug/L
RT: 4.563 min Scan# 506
Delta R.T. 0.006 min
Lab File: VD076637.D
Acq: 29 Jun 2023 14:28

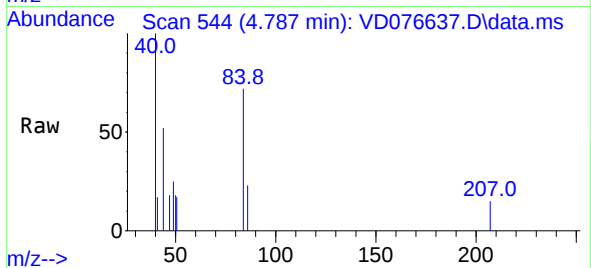
Tgt Ion: 43 Resp: 183
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.2#



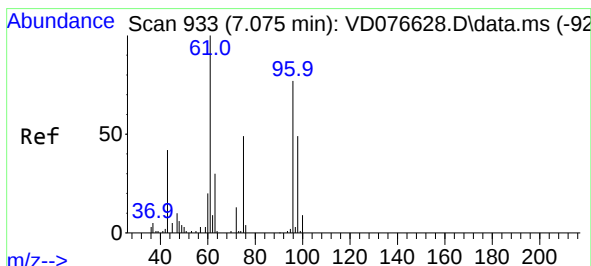
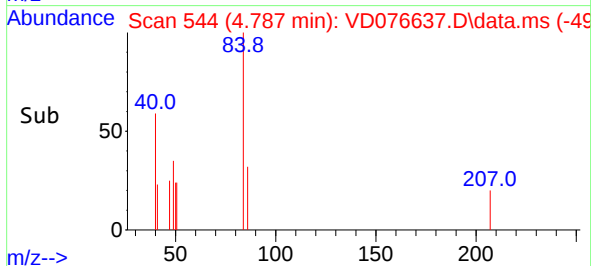
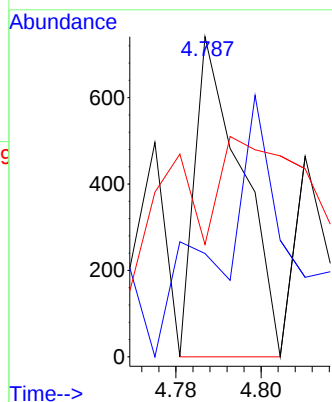


#16
Methylene chloride
Concen: 0.983 ug/L
RT: 4.787 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD076637.D
Acq: 29 Jun 2023 14:28

Instrument :
MSVOA_D
ClientSampleId :

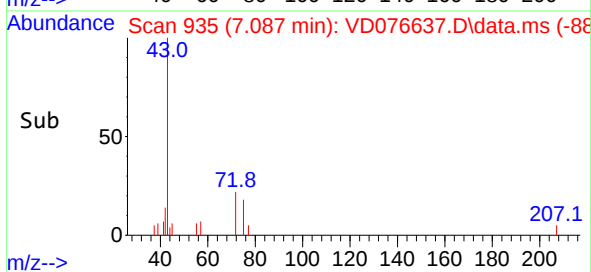
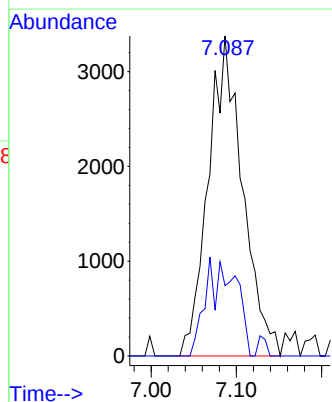
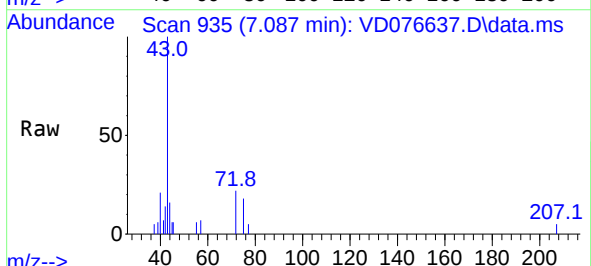


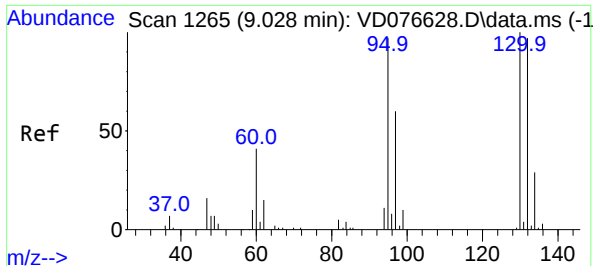
Tgt Ion: 84 Resp: 566
Ion Ratio Lower Upper
84 100
86 32.3 45.1 83.9#
49 35.1 97.2 180.6#



#22
2-Butanone
Concen: 59.538 ug/L
RT: 7.087 min Scan# 935
Delta R.T. 0.006 min
Lab File: VD076637.D
Acq: 29 Jun 2023 14:28

Tgt Ion: 43 Resp: 9479
Ion Ratio Lower Upper
43 100
72 6.5 12.9 38.7#



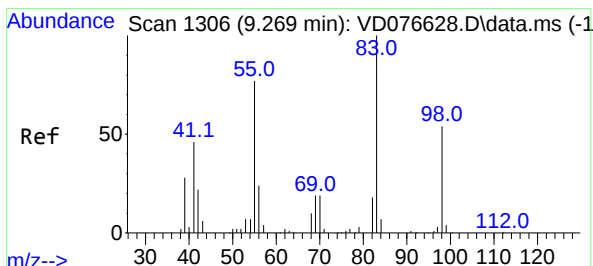
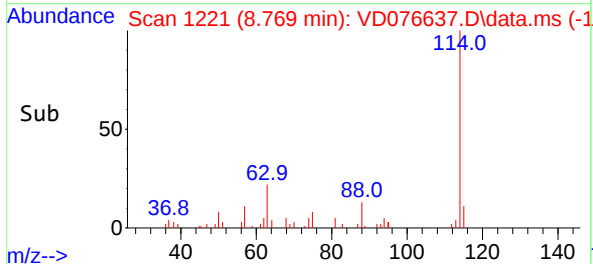
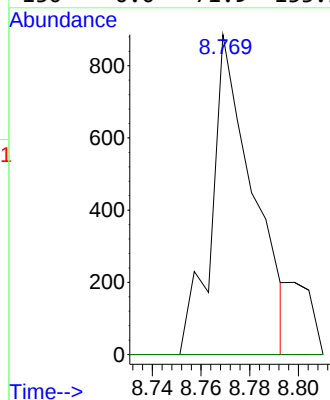
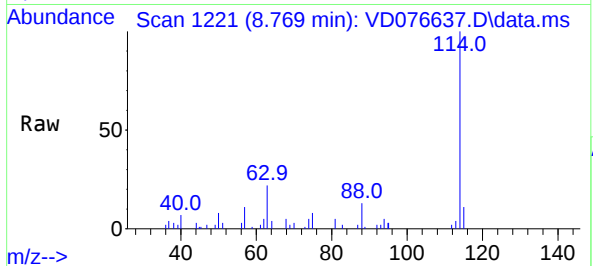


#34
Trichloroethene
Concen: 2.787 ug/L
RT: 8.769 min Scan# 11
Delta R.T. -0.259 min
Lab File: VD076637.D
Acq: 29 Jun 2023 14:28

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 95 Resp: 1045

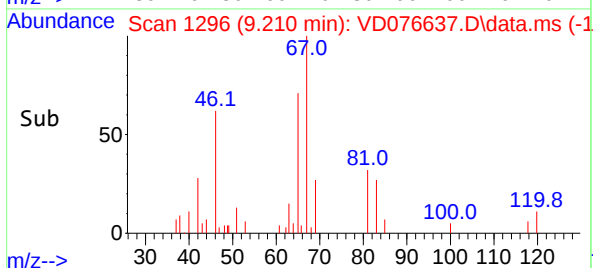
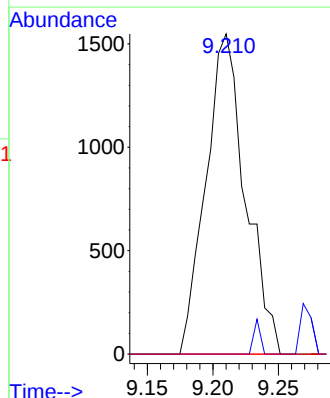
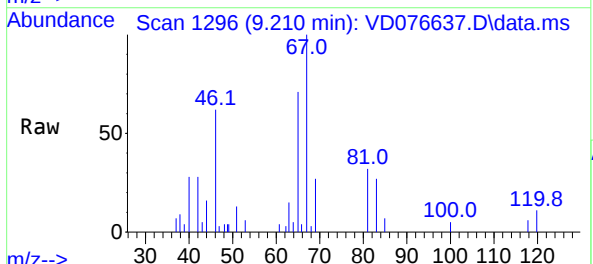
Ion	Ratio	Lower	Upper
95	100		
97	0.0	43.1	80.1#
132	0.0	71.8	133.4#
130	0.0	71.9	133.5#

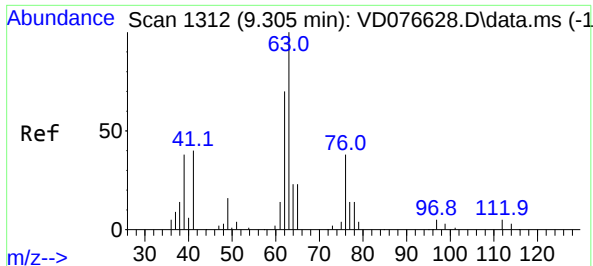


#35
Methylcyclohexane
Concen: 5.378 ug/L
RT: 9.210 min Scan# 1296
Delta R.T. -0.059 min
Lab File: VD076637.D
Acq: 29 Jun 2023 14:28

Tgt Ion: 83 Resp: 3252

Ion	Ratio	Lower	Upper
83	100		
55	4.6	59.8	89.6#
98	0.0	37.8	56.6#

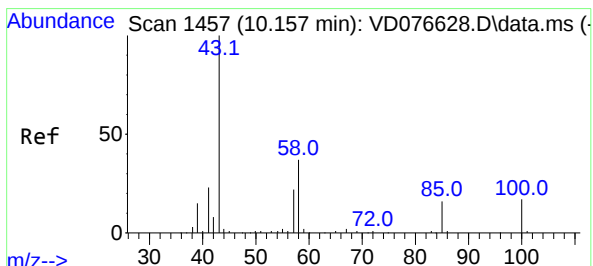
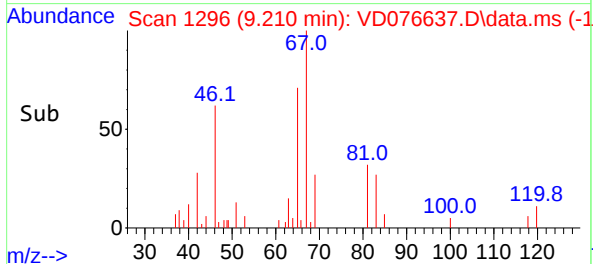
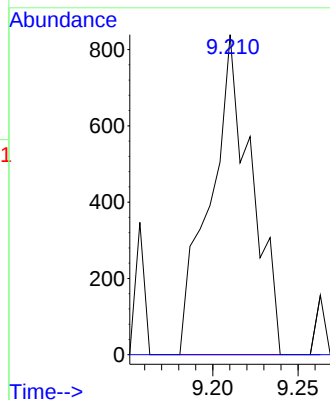
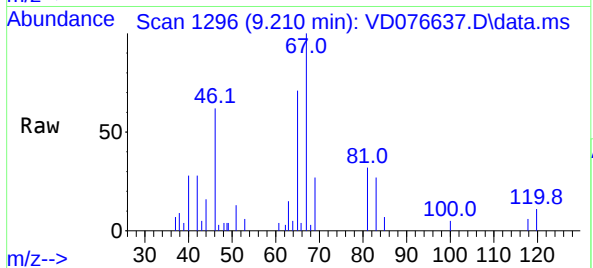




#37
1,2-Dichloropropane
Concen: 3.533 ug/L
RT: 9.210 min Scan# 11
Delta R.T. -0.094 min
Lab File: VD076637.D
Acq: 29 Jun 2023 14:28

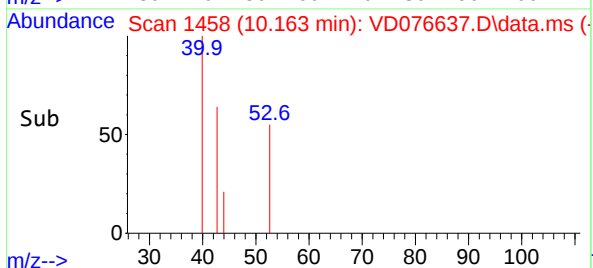
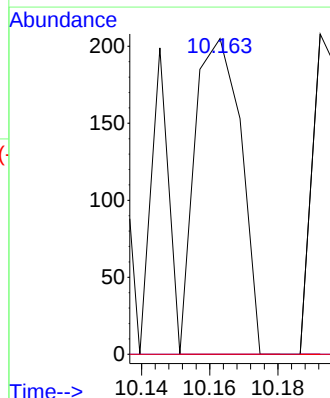
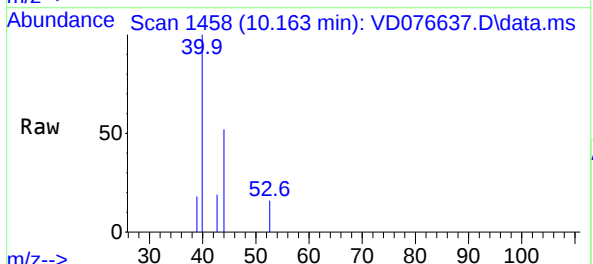
Instrument :
MSVOA_D
ClientSampleId :

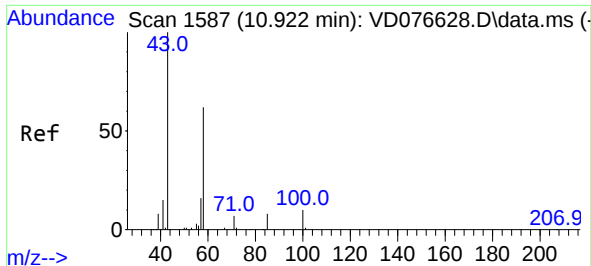
Tgt Ion: 63 Resp: 1406
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



#40
4-Methyl-2-pentanone
Concen: 0.776 ug/L
RT: 10.163 min Scan# 1458
Delta R.T. 0.006 min
Lab File: VD076637.D
Acq: 29 Jun 2023 14:28

Tgt Ion: 43 Resp: 192
Ion Ratio Lower Upper
43 100
58 0.0 30.7 46.1#
100 0.0 11.0 16.4#





#48

2-Hexanone

Concen: 1.009 ug/L

RT: 10.898 min Scan# 1

Delta R.T. -0.024 min

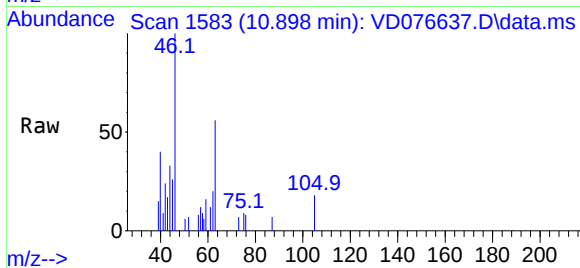
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Acq: 29 Jun 2023 14:28

Instrument :

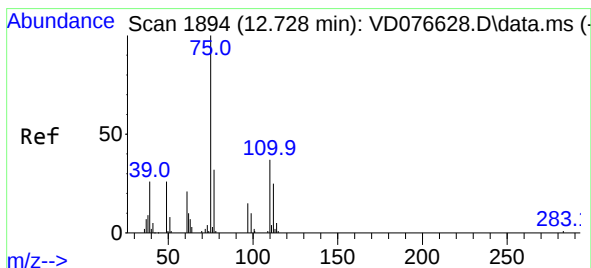
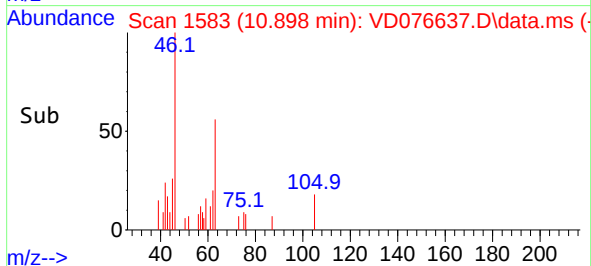
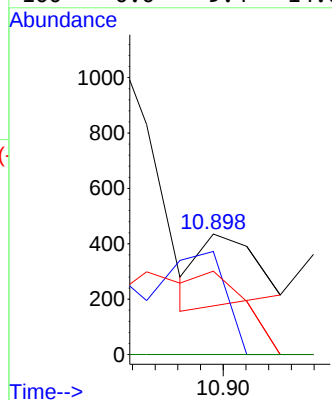
MSVOA_D

ClientSampleId :



Tgt Ion: 43 Resp: 171

Ion	Ratio	Lower	Upper
43	100		
58	146.8	42.9	64.3#
57	216.4	13.7	20.5#
100	0.0	9.4	14.0#



#61

1,2,3-Trichloropropane

Concen: 0.944 ug/L

RT: 12.575 min Scan# 1868

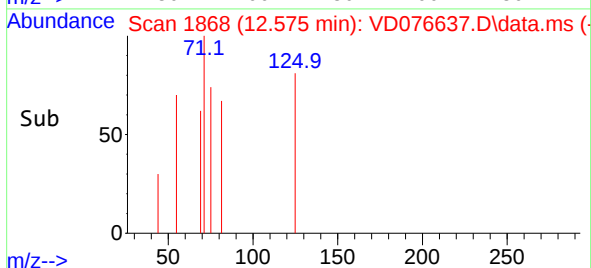
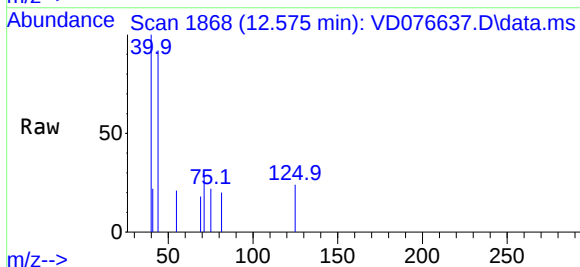
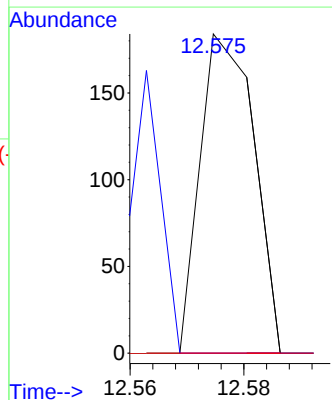
Delta R.T. -0.153 min

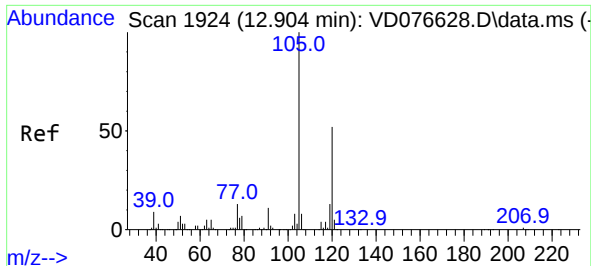
Lab File: VD076637.D

Acq: 29 Jun 2023 14:28

Tgt Ion: 75 Resp: 121

Ion	Ratio	Lower	Upper
75	100		
77	55.4	27.2	40.8#
110	0.0	31.8	47.6#

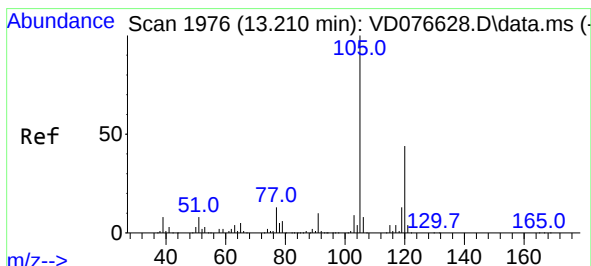
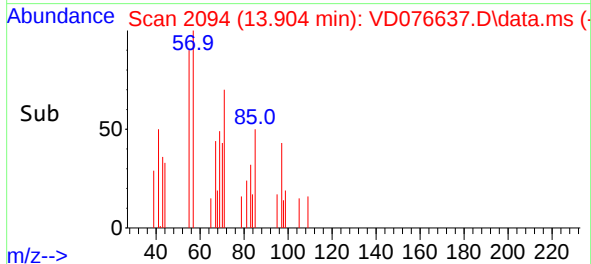
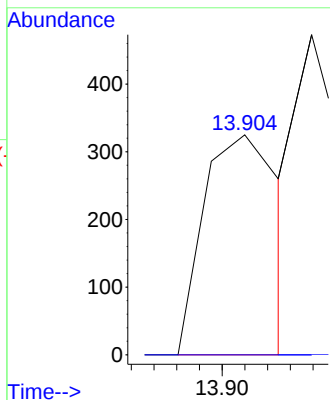
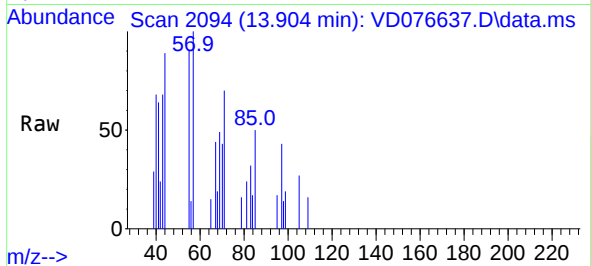




#62
1,3,5-Trimethylbenzene
Concen: 0.380 ug/L
RT: 13.904 min Scan# 2094
Delta R.T. 1.000 min
Lab File: VD076637.D
Acq: 29 Jun 2023 14:28

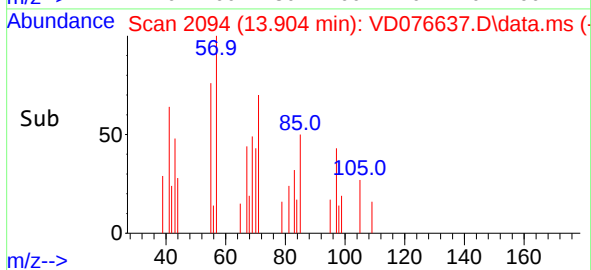
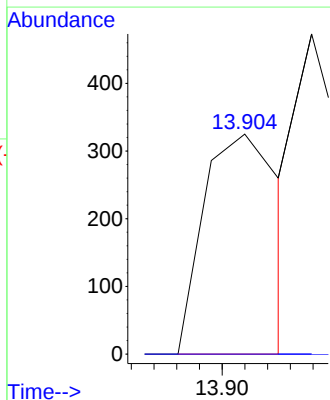
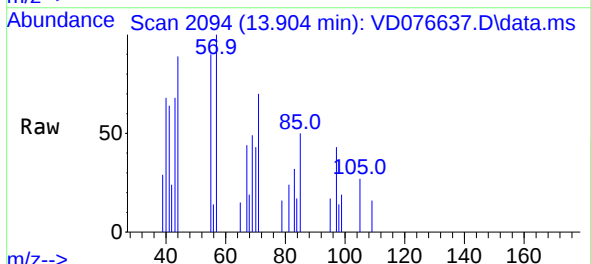
Instrument :
MSVOA_D
ClientSampleId :

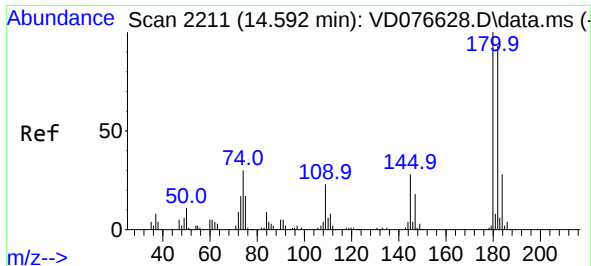
Tgt Ion:105 Resp: 307
Ion Ratio Lower Upper
105 100
120 40.4 39.8 59.6



#63
1,2,4-Trimethylbenzene
Concen: 0.385 ug/L
RT: 13.904 min Scan# 2094
Delta R.T. 0.694 min
Lab File: VD076637.D
Acq: 29 Jun 2023 14:28

Tgt Ion:105 Resp: 307
Ion Ratio Lower Upper
105 100
120 40.4 37.5 56.3





#69

1,3,5-Trichlorobenzene

Concen: 0.627 ug/L

RT: 15.339 min Scan# 21

Delta R.T. 0.747 min

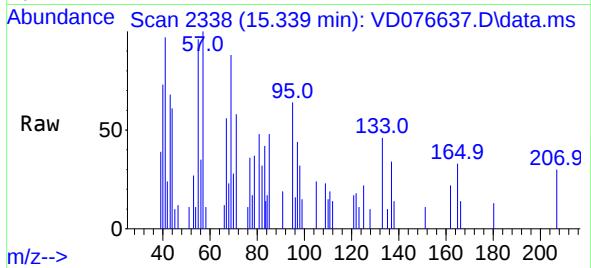
Lab File: VD076637.D

Acq: 29 Jun 2023 14:28

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:180 Resp: 188

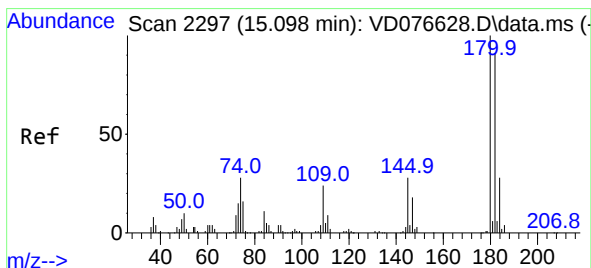
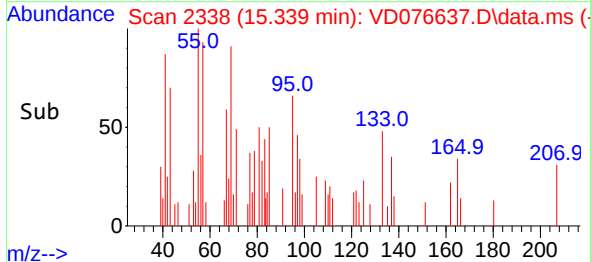
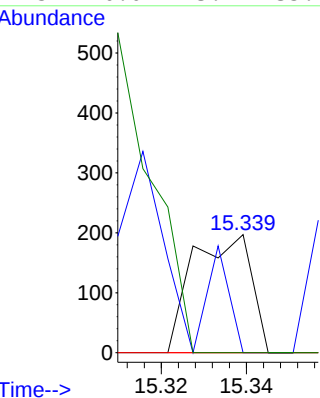
Ion Ratio Lower Upper

180 100

182 33.5 77.1 115.7#

184 0.0 25.0 37.4#

145 0.0 23.4 35.0#



#70

1,2,4-trichlorobenzene

Concen: 0.705 ug/L

RT: 15.339 min Scan# 2338

Delta R.T. 0.241 min

Lab File: VD076637.D

Acq: 29 Jun 2023 14:28

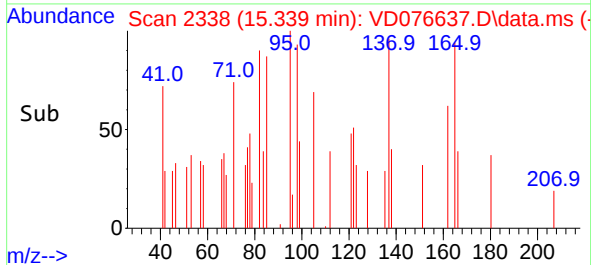
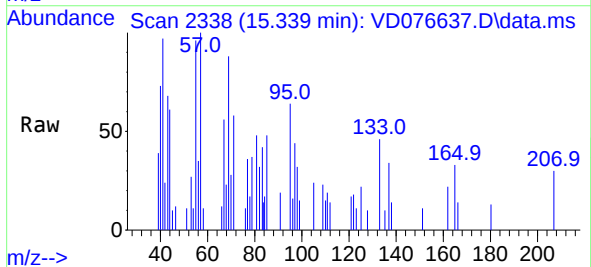
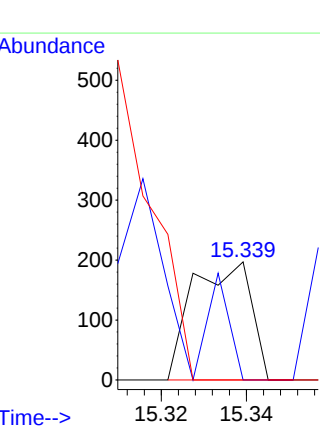
Tgt Ion:180 Resp: 188

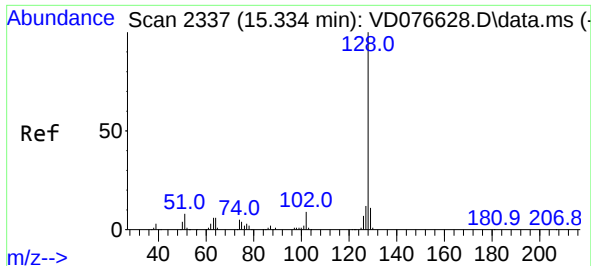
Ion Ratio Lower Upper

180 100

182 33.5 76.9 115.3#

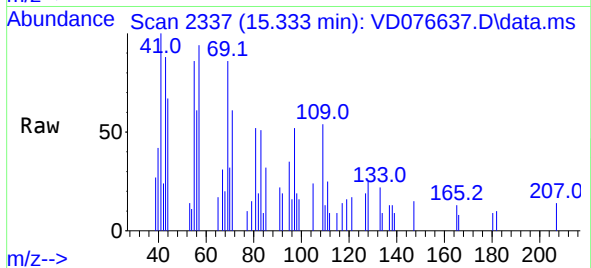
145 0.0 23.5 35.3#



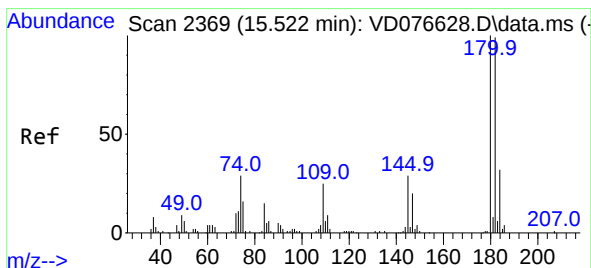
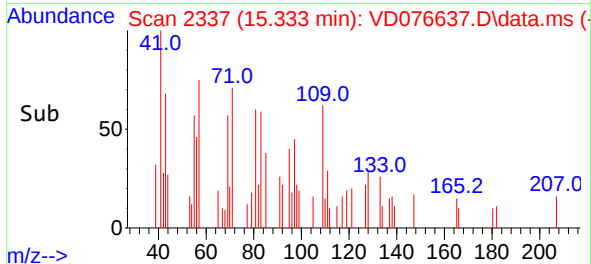
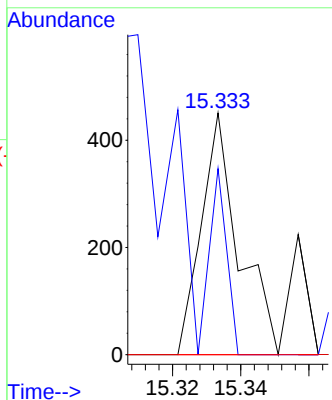


#71
Naphthalene
Concen: 0.675 ug/L
RT: 15.333 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD076637.D
Acq: 29 Jun 2023 14:28

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 345
Ion Ratio Lower Upper
128 100
127 35.4 10.8 16.2#
129 0.0 8.6 12.8#



#72
1,2,3-Trichlorobenzene
Concen: 0.535 ug/L
RT: 15.504 min Scan# 2366
Delta R.T. -0.018 min
Lab File: VD076637.D
Acq: 29 Jun 2023 14:28

Tgt Ion:180 Resp: 124
Ion Ratio Lower Upper
180 100
182 332.3 74.3 111.5#
145 575.0 25.0 37.6#

