

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061523\
 Data File : VD076441.D
 Acq On : 15 Jun 2023 16:35
 Operator : KP/SY
 Sample : 03236-06
 Misc : 4.56G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 16 01:59:46 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	39791	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	41081	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	21878	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	13219	13.642	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	54.560%		
7) Chloroethane-d5	2.799	69	13842	17.666	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	70.680%		
11) 1,1-Dichloroethene-d2	3.905	65	1757	6.946	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	27.800%#		
21) 2-Butanone-d5	6.993	46	23789	162.098	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	324.200%#		
24) Chloroform-d	7.563	84	23853	22.753	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	91.000%		
26) 1,2-Dichloroethane-d4	8.234	65	16631	32.158	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	128.640%		
32) Benzene-d6	8.204	84	46078	18.336	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	73.360%		
36) 1,2-Dichloropropane-d6	9.210	67	18510	23.076	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	92.320%		
41) Toluene-d8	10.263	98	41111	17.668	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	70.680%		
43) trans-1,3-Dichloroprop...	10.528	79	9410	28.204	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	112.800%		
47) 2-Hexanone-d5	10.875	63	15830	127.132	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	254.260%#		
56) 1,1,2,2-Tetrachloroeth...	12.651	84	26195	45.901	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	183.600%#		
66) 1,2-Dichlorobenzene-d4	13.816	152	17122	21.351	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	85.400%		
Target Compounds						Qvalue
3) Chloromethane	2.152	50	284	0.276	ug/L #	41
6) Bromomethane	2.693	94	445	0.723	ug/L #	70
13) Acetone	4.028	43	542	4.573	ug/L	63
15) Methyl Acetate	4.563	43	201	0.743	ug/L #	53
16) Methylene chloride	4.793	84	1489	2.153	ug/L #	73
22) 2-Butanone	7.075	43	325	1.699	ug/L #	49
34) Trichloroethene	9.016	95	776	1.111	ug/L	93
35) Methylcyclohexane	9.204	83	3324	2.951	ug/L #	21
37) 1,2-Dichloropropane	9.216	63	2111	2.848	ug/L #	88
39) cis-1,3-Dichloropropene	9.975	75	576	0.509	ug/L #	42
44) trans-1,3-Dichloropropene	10.516	75	436	0.474	ug/L #	1
48) 2-Hexanone	10.928	43	368	1.165	ug/L #	30
61) 1,2,3-Trichloropropane	13.516	75	3042	7.165	ug/L #	61
69) 1,3,5-Trichlorobenzene	15.104	180	377	0.380	ug/L #	47
70) 1,2,4-trichlorobenzene	15.104	180	377	0.427	ug/L #	48
71) Naphthalene	15.339	128	562	0.332	ug/L #	69

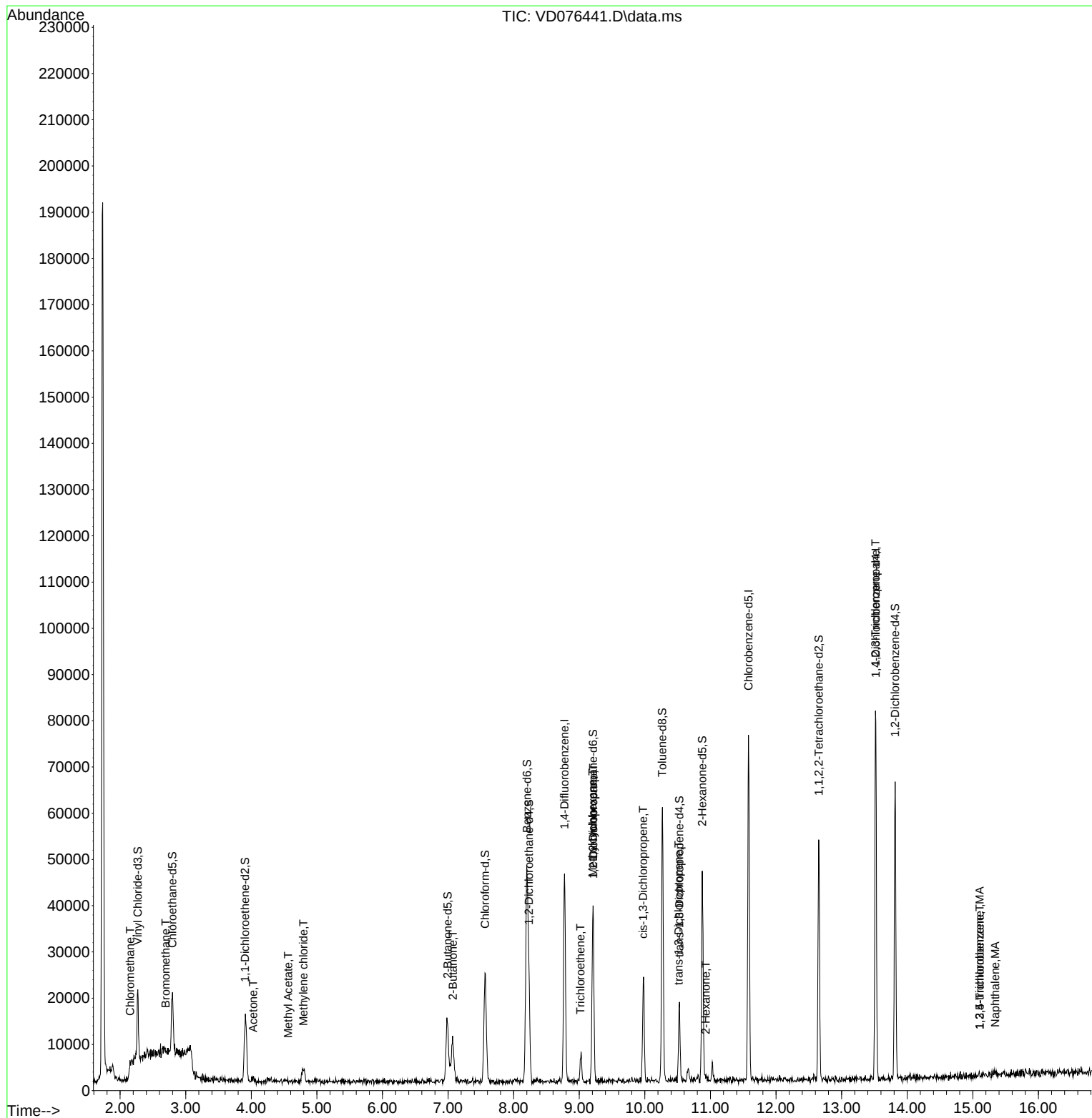
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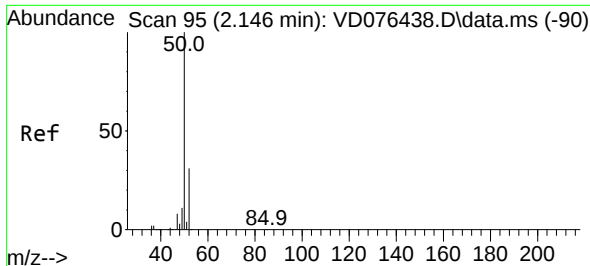
Instrument :
MSVOA_D
ClientSampleId :

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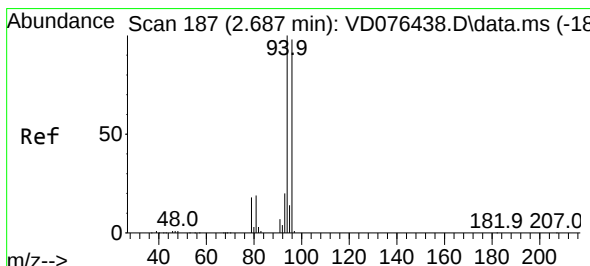
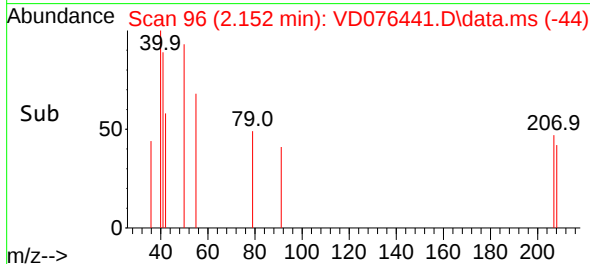
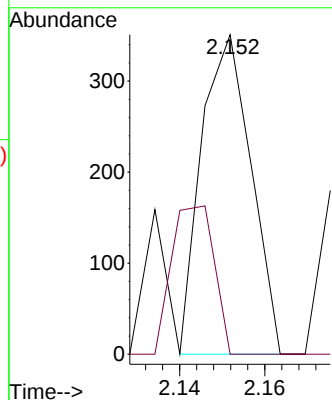
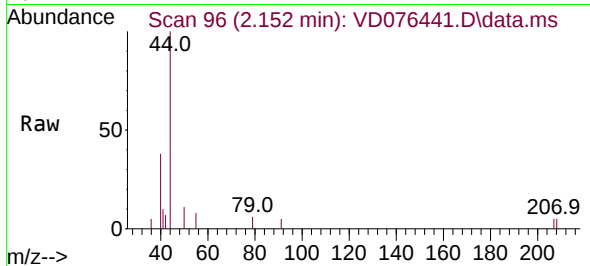




#3
Chloromethane
Concen: 0.276 ug/L
RT: 2.152 min Scan# 90
Delta R.T. 0.006 min
Lab File: VD076441.D
Acq: 15 Jun 2023 16:35

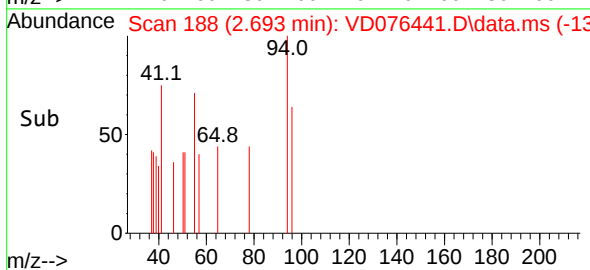
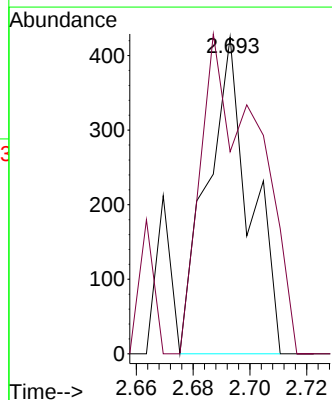
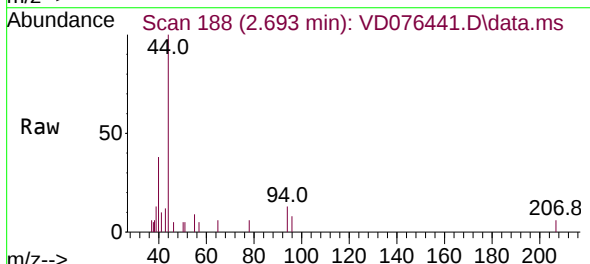
Instrument :
MSVOA_D
ClientSampleId :

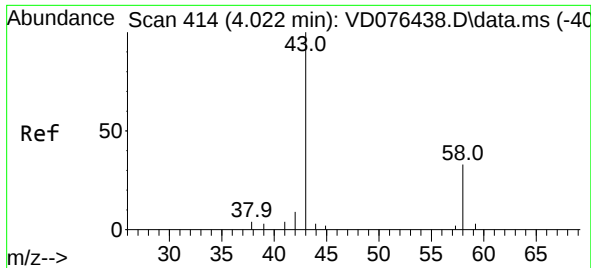
Tgt Ion: 50 Resp: 284
Ion Ratio Lower Upper
50 100
52 0.0 23.2 43.2#



#6
Bromomethane
Concen: 0.723 ug/L
RT: 2.693 min Scan# 188
Delta R.T. 0.006 min
Lab File: VD076441.D
Acq: 15 Jun 2023 16:35

Tgt Ion: 94 Resp: 445
Ion Ratio Lower Upper
94 100
96 63.8 64.7 120.1#





#13

Acetone

Concen: 4.573 ug/L

RT: 4.028 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD076441.D

Acq: 15 Jun 2023 16:35

Instrument :

MSVOA_D

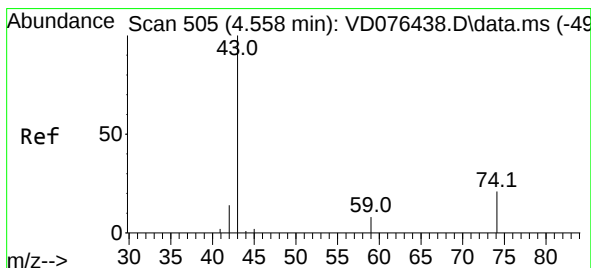
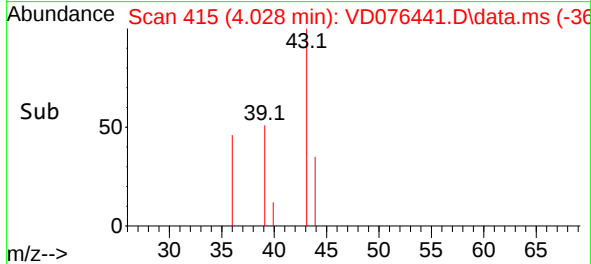
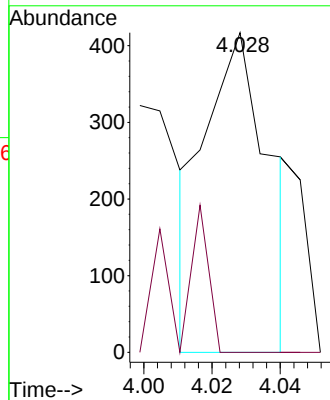
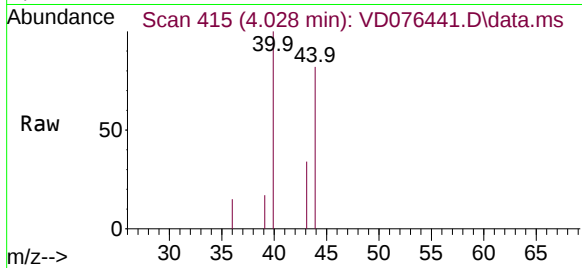
ClientSampleId :

Tgt Ion: 43 Resp: 542

Ion Ratio Lower Upper

43 100

58 12.5 0.0 67.4



#15

Methyl Acetate

Concen: 0.743 ug/L

RT: 4.563 min Scan# 506

Delta R.T. 0.006 min

Lab File: VD076441.D

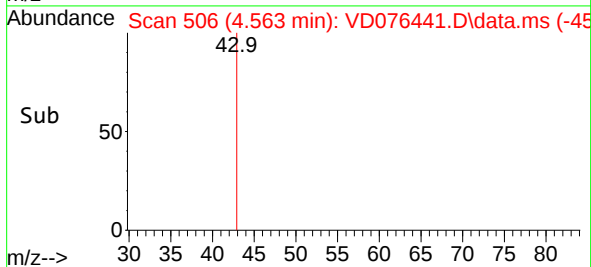
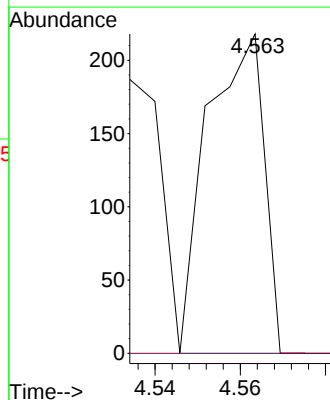
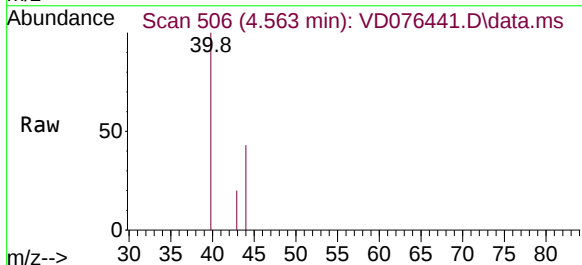
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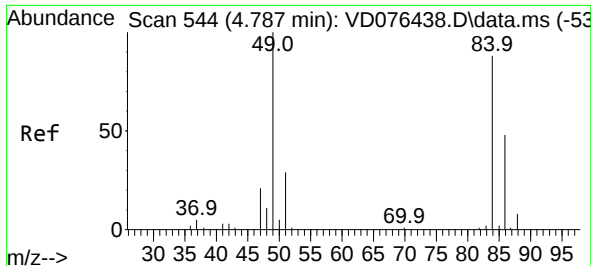
Tgt Ion: 43 Resp: 201

Ion Ratio Lower Upper

43 100

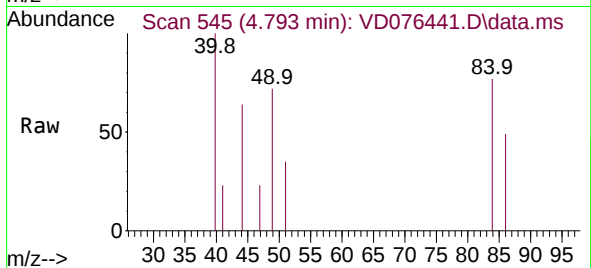
74 0.0 18.2 27.2#





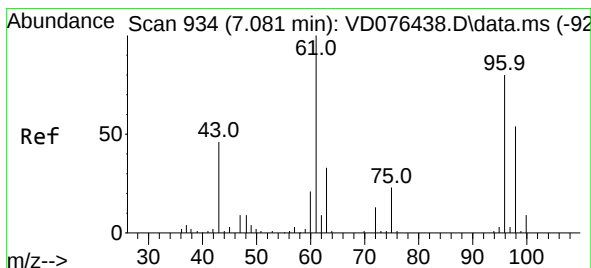
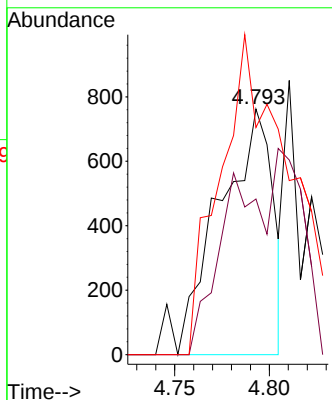
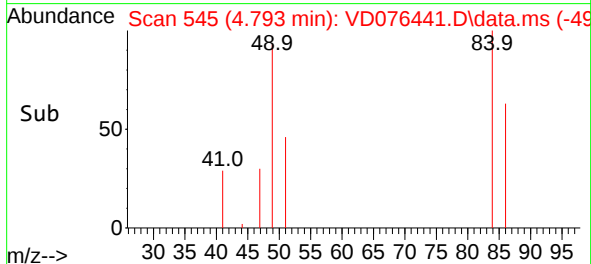
#16
Methylene chloride
Concen: 2.153 ug/L
RT: 4.793 min Scan# 544
Delta R.T. 0.006 min
Lab File: VD076441.D
Acq: 15 Jun 2023 16:35

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 1489

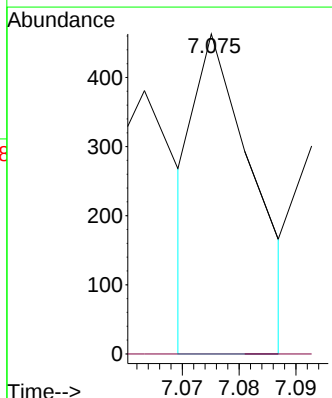
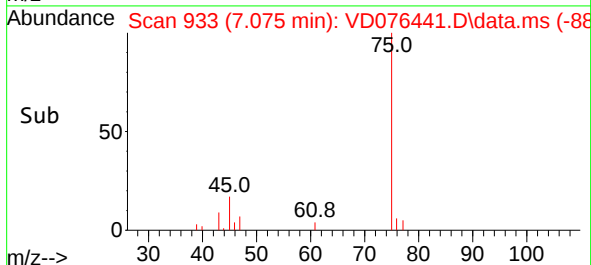
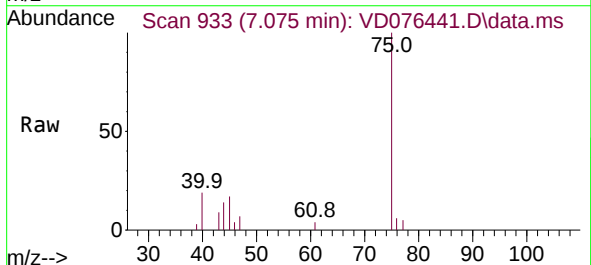
Ion	Ratio	Lower	Upper
84	100		
86	63.4	45.1	83.9
49	92.5	97.2	180.6#

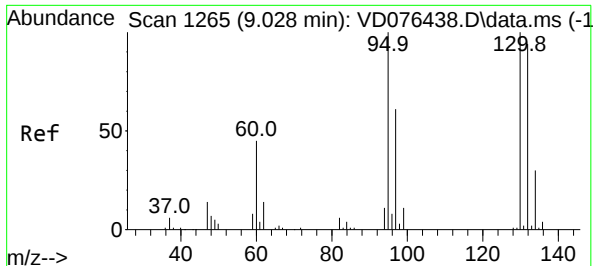


#22
2-Butanone
Concen: 1.699 ug/L
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD076441.D
Acq: 15 Jun 2023 16:35

Tgt Ion: 43 Resp: 325

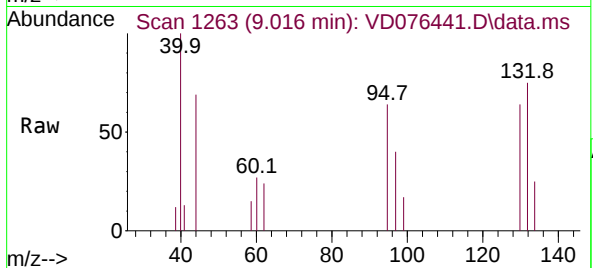
Ion	Ratio	Lower	Upper
43	100		
72	0.0	12.9	38.7#





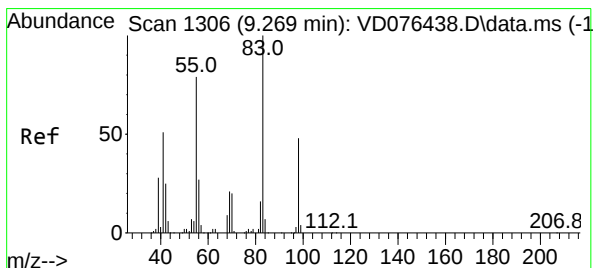
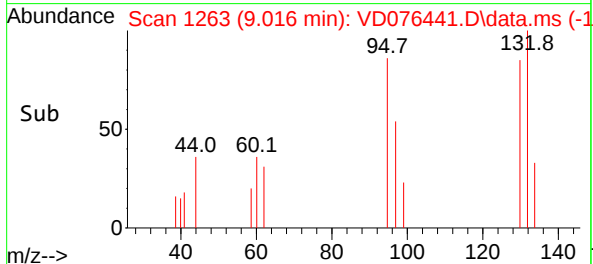
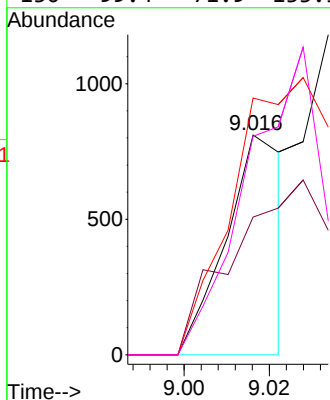
#34
Trichloroethene
Concen: 1.111 ug/L
RT: 9.016 min Scan# 1263
Delta R.T. -0.012 min
Lab File: VD076441.D
Acq: 15 Jun 2023 16:35

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 95 Resp: 776

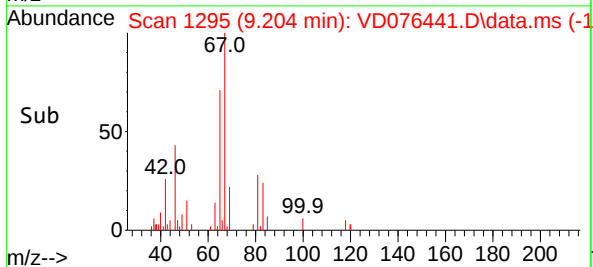
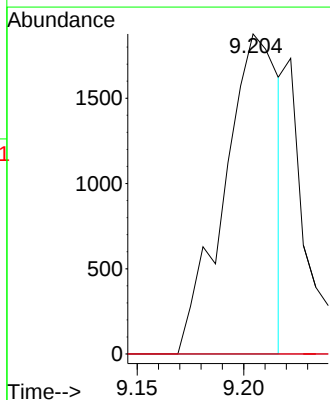
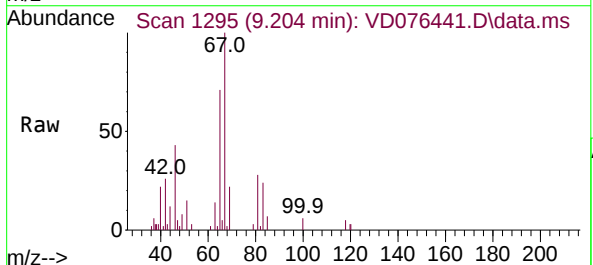
Ion	Ratio	Lower	Upper
95	100		
97	62.6	43.1	80.1
132	116.8	71.8	133.4
130	99.4	71.9	133.5

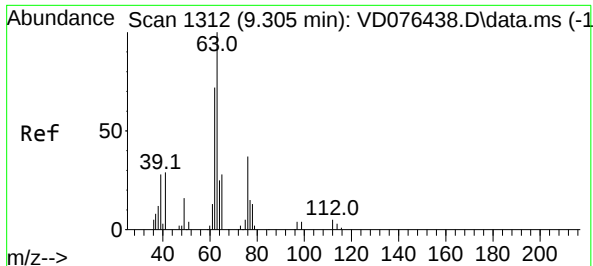


#35
Methylcyclohexane
Concen: 2.951 ug/L
RT: 9.204 min Scan# 1295
Delta R.T. -0.065 min
Lab File: VD076441.D
Acq: 15 Jun 2023 16:35

Tgt Ion: 83 Resp: 3324

Ion	Ratio	Lower	Upper
83	100		
55	0.0	59.8	89.6#
98	3.6	37.8	56.6#





#37

1,2-Dichloropropane

Concen: 2.848 ug/L

RT: 9.216 min Scan# 11

Delta R.T. -0.088 min

Lab File: VD076441.D

Acq: 15 Jun 2023 16:35

Instrument :

MSVOA_D

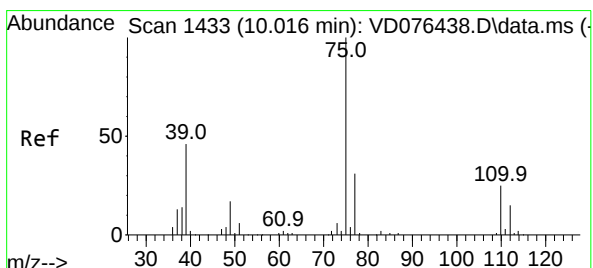
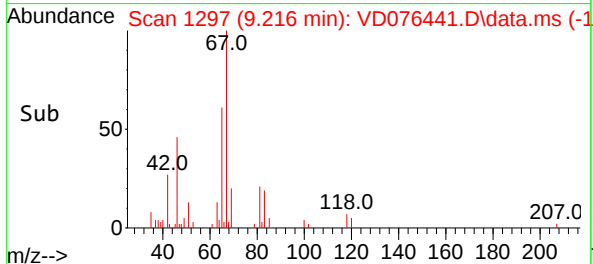
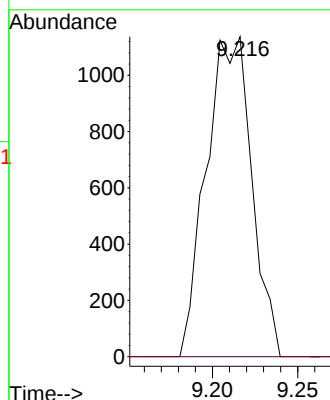
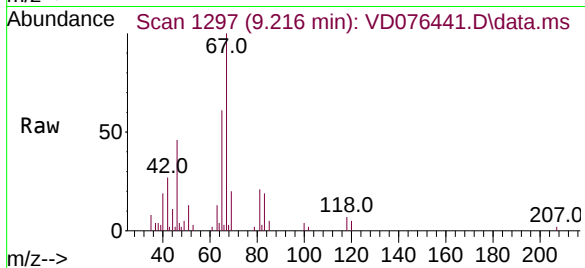
ClientSampleId :

Tgt Ion: 63 Resp: 2111

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



#39

cis-1,3-Dichloropropene

Concen: 0.509 ug/L

RT: 9.975 min Scan# 1426

Delta R.T. -0.041 min

Lab File: VD076441.D

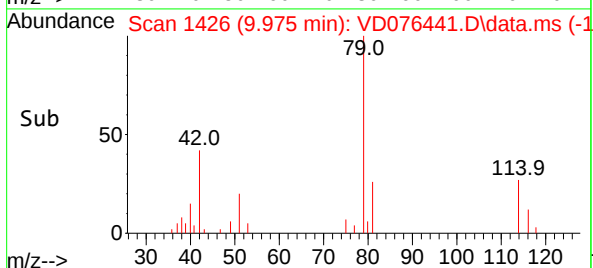
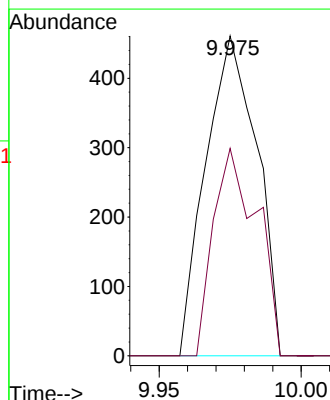
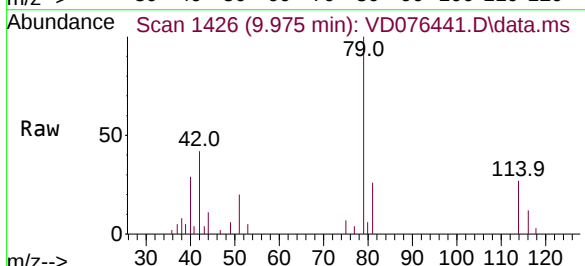
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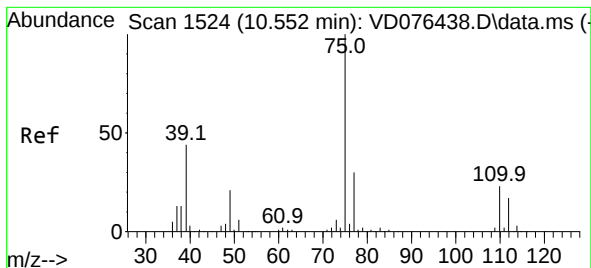
Tgt Ion: 75 Resp: 576

Ion Ratio Lower Upper

75 100

77 64.9 22.7 42.3#





#44

trans-1,3-Dichloropropene

Concen: 0.474 ug/L

RT: 10.516 min Scan# 11

Delta R.T. -0.035 min

Lab File: VD076441.D

Acq: 15 Jun 2023 16:35

Instrument :

MSVOA_D

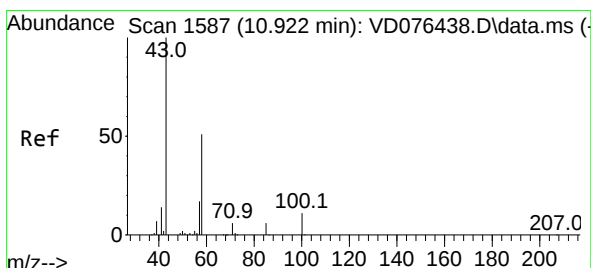
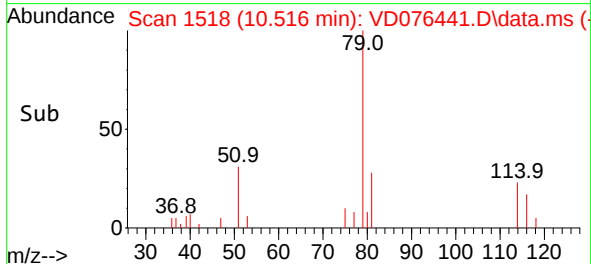
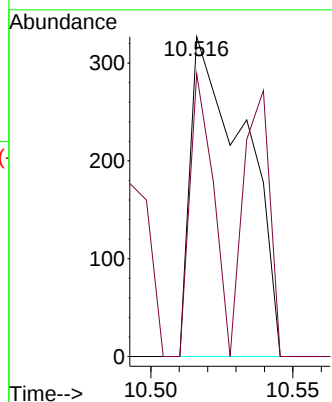
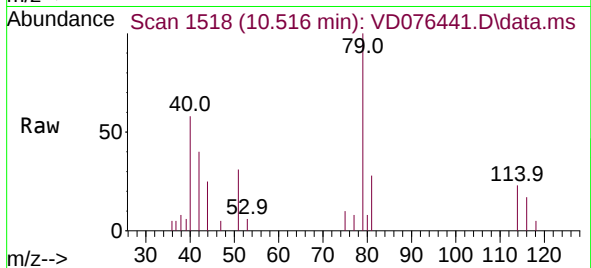
ClientSampleId :

Tgt Ion: 75 Resp: 436

Ion Ratio Lower Upper

75 100

77 88.4 22.5 41.7#



#48

2-Hexanone

Concen: 1.165 ug/L

RT: 10.928 min Scan# 1588

Delta R.T. 0.006 min

Lab File: VD076441.D

Acq: 15 Jun 2023 16:35

Tgt Ion: 43 Resp: 368

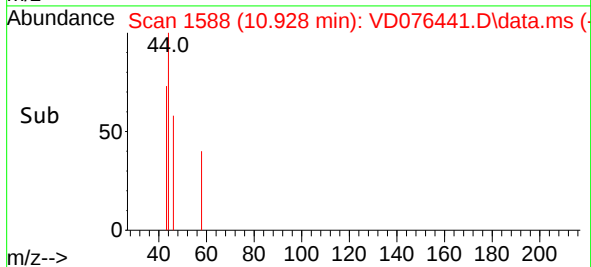
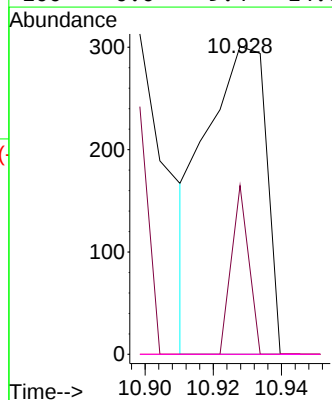
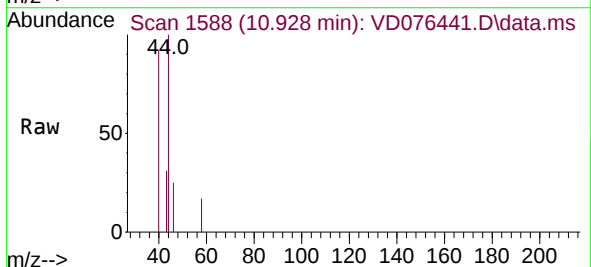
Ion Ratio Lower Upper

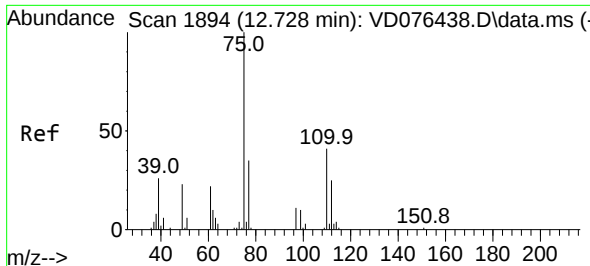
43 100

58 0.0 42.9 64.3#

57 52.2 13.7 20.5#

100 0.0 9.4 14.0#

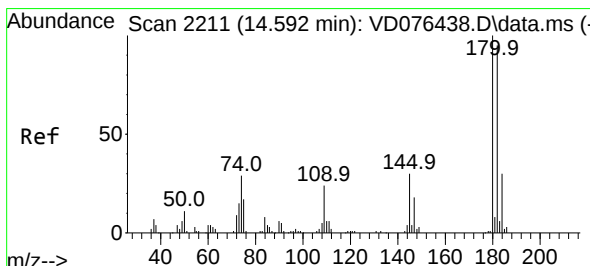
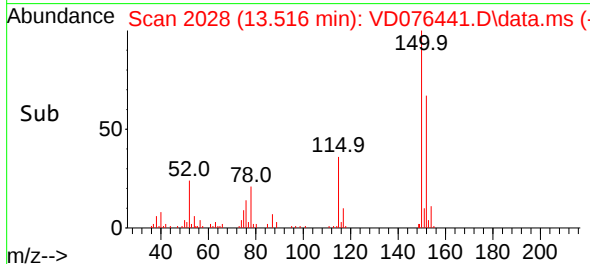
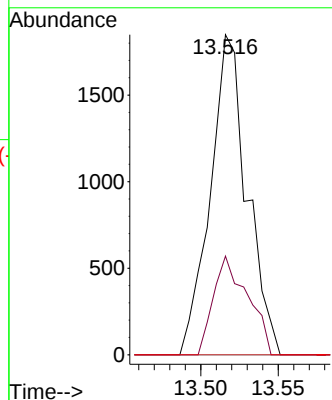
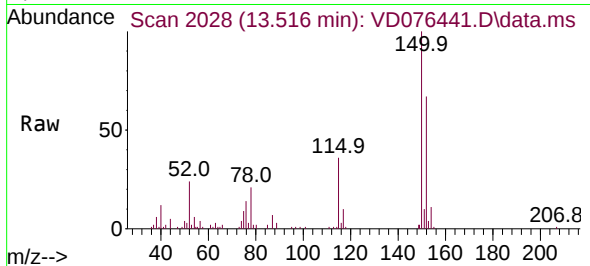




#61
1,2,3-Trichloropropane
Concen: 7.165 ug/L
RT: 13.516 min Scan# 20
Delta R.T. 0.788 min
Lab File: VD076441.D
Acq: 15 Jun 2023 16:35

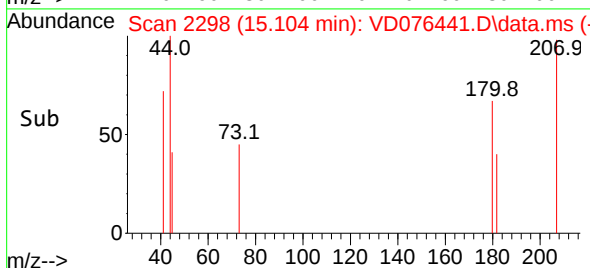
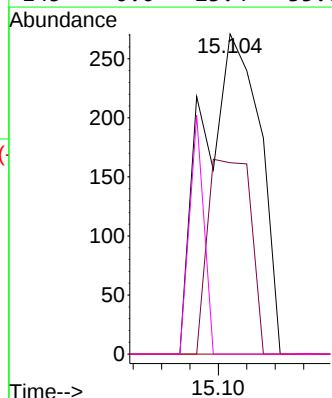
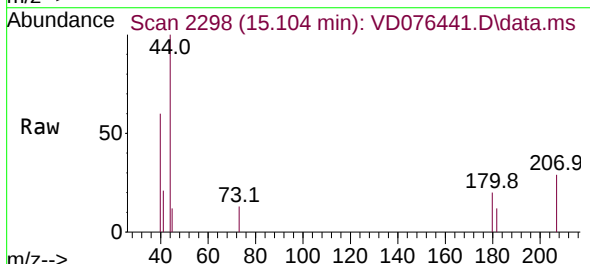
Instrument :
MSVOA_D
ClientSampleId :

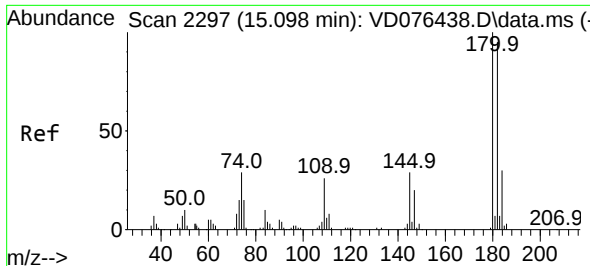
Tgt Ion: 75 Resp: 3042
Ion Ratio Lower Upper
75 100
77 28.8 27.2 40.8
110 0.0 31.8 47.6#



#69
1,3,5-Trichlorobenzene
Concen: 0.380 ug/L
RT: 15.104 min Scan# 2298
Delta R.T. 0.512 min
Lab File: VD076441.D
Acq: 15 Jun 2023 16:35

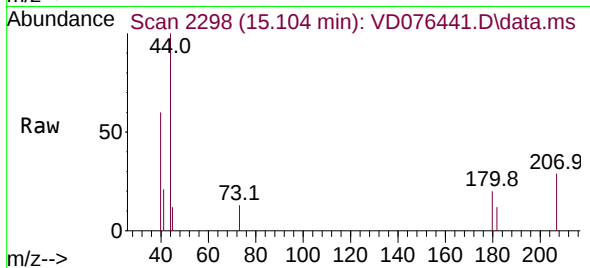
Tgt Ion:180 Resp: 377
Ion Ratio Lower Upper
180 100
182 45.6 77.1 115.7#
184 0.0 25.0 37.4#
145 0.0 23.4 35.0#



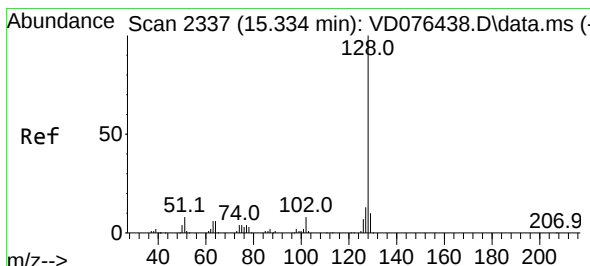
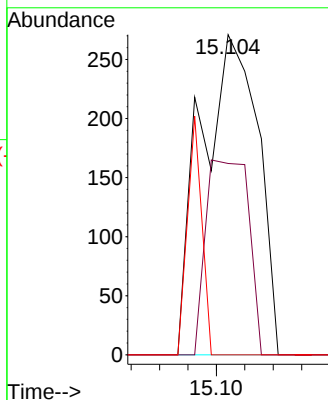
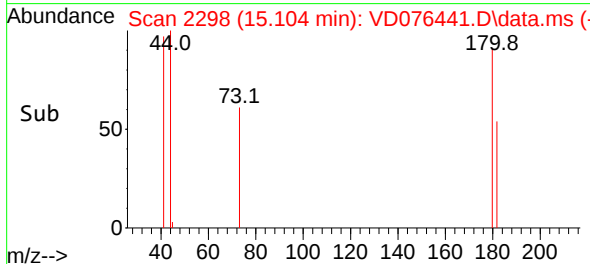


#70
1,2,4-trichlorobenzene
Concen: 0.427 ug/L
RT: 15.104 min Scan# 21
Delta R.T. 0.006 min
Lab File: VD076441.D
Acq: 15 Jun 2023 16:35

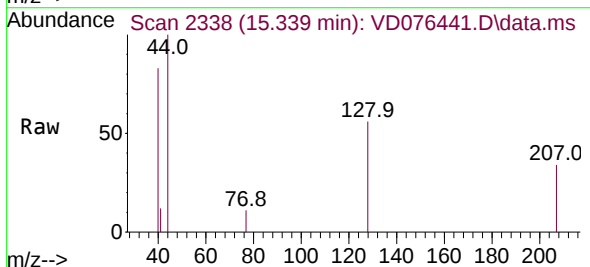
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:180 Resp: 377
Ion Ratio Lower Upper
180 100
182 45.6 76.9 115.3#
145 0.0 23.5 35.3#



#71
Naphthalene
Concen: 0.332 ug/L
RT: 15.339 min Scan# 2338
Delta R.T. 0.006 min
Lab File: VD076441.D
Acq: 15 Jun 2023 16:35



Tgt Ion:128 Resp: 562
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 12.8#

