

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061523\
 Data File : VD076449.D
 Acq On : 15 Jun 2023 20:37
 Operator : KP/SY
 Sample : 03236-19
 Misc : 6.02G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 16 02:01:38 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	15809	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	15598	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	7286	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.264	65	4237	11.005	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	44.040%
7) Chloroethane-d5	2.793	69	5450	17.507	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.040%
11) 1,1-Dichloroethene-d2	3.911	65	844	8.398	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	33.600%#
21) 2-Butanone-d5	6.993	46	8835	151.526	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	303.060%#
24) Chloroform-d	7.569	84	10108	24.269	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.080%
26) 1,2-Dichloroethane-d4	8.228	65	6997	34.053	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	136.200%#
32) Benzene-d6	8.193	84	18771	19.673	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	78.680%
36) 1,2-Dichloropropane-d6	9.204	67	7745	25.430	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.720%
41) Toluene-d8	10.263	98	15587	17.642	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	70.560%
43) trans-1,3-Dichloroprop...	10.522	79	3215	25.379	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.520%
47) 2-Hexanone-d5	10.875	63	5824	123.188	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	246.380%#
56) 1,1,2,2-Tetrachloroeth...	12.651	84	10283	47.457	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	189.840%#
66) 1,2-Dichlorobenzene-d4	13.822	152	6666	24.960	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.840%
Target Compounds						Qvalue
3) Chloromethane	2.152	50	273	0.667	ug/L #	47
6) Bromomethane	2.693	94	338	1.381	ug/L	83
12) 1,1-Dichloroethene	3.934	96	376	1.833	ug/L #	51
13) Acetone	4.022	43	151	3.206	ug/L #	41
15) Methyl Acetate	4.569	43	133	1.237	ug/L #	53
16) Methylene chloride	4.793	84	465	1.692	ug/L #	48
22) 2-Butanone	7.069	43	293	3.855	ug/L #	49
27) 1,2-Dichloroethane	8.322	62	1691	6.737	ug/L #	71
29) Cyclohexane	7.787	56	115	0.277	ug/L #	18
30) 1,1,1-Trichloroethane	7.781	97	164	0.453	ug/L #	50
34) Trichloroethene	8.775	95	463	1.746	ug/L #	4
35) Methylcyclohexane	9.204	83	1233	2.883	ug/L #	19
37) 1,2-Dichloropropane	9.222	63	231	0.821	ug/L #	88
48) 2-Hexanone	10.928	43	268	2.235	ug/L #	39
61) 1,2,3-Trichloropropane	13.516	75	775	5.481	ug/L #	62
67) 1,2-Dichlorobenzene	13.463	146	153	0.346	ug/L #	25
71) Naphthalene	15.333	128	275	0.488	ug/L #	69

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ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 16 02:01:38 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

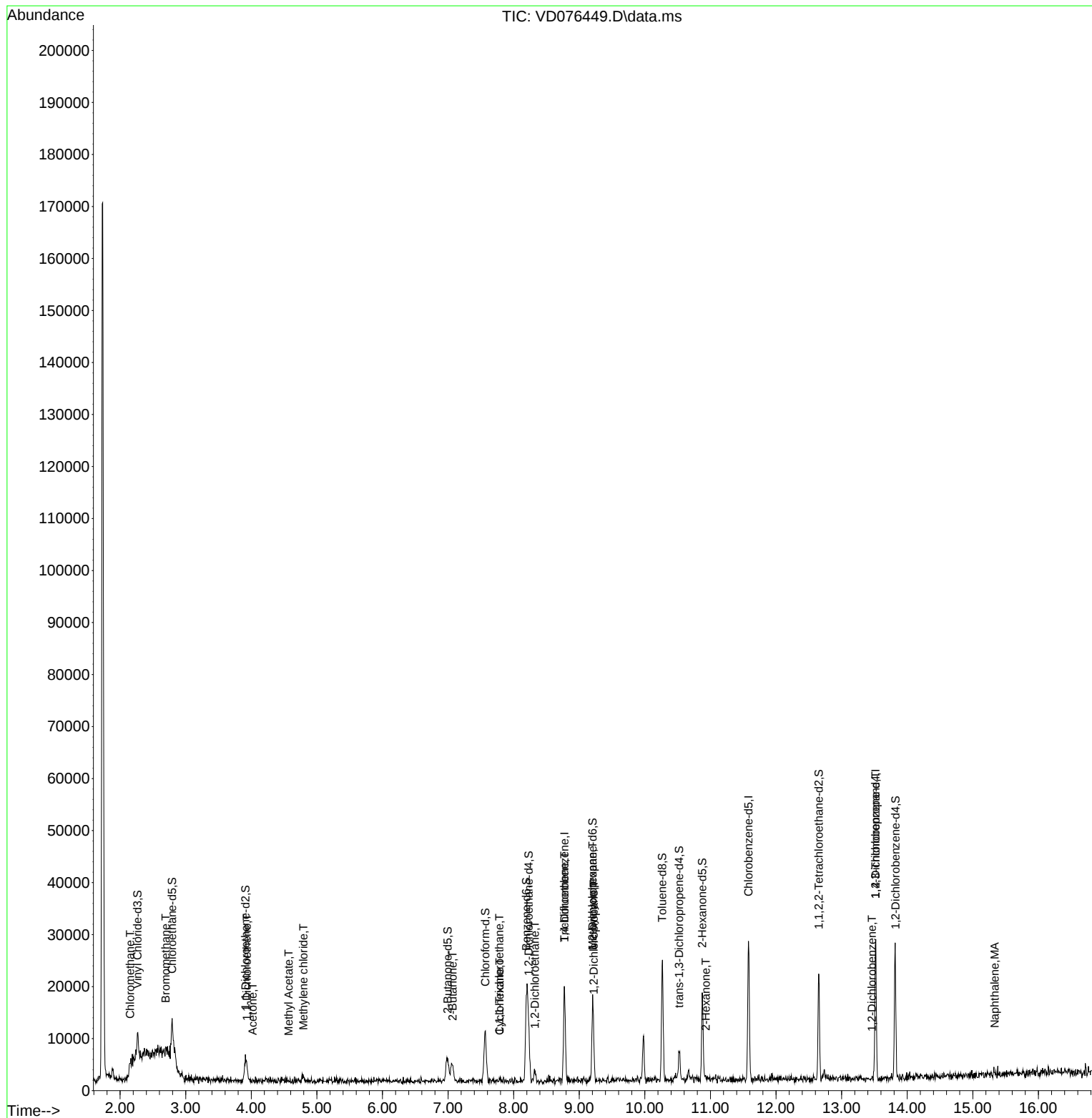
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

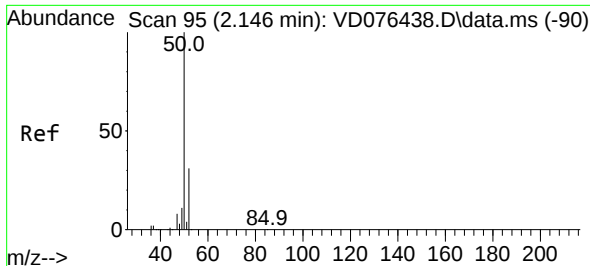
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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QLast Update : Fri Jun 16 01:50:34 2023
Response via : Initial Calibration

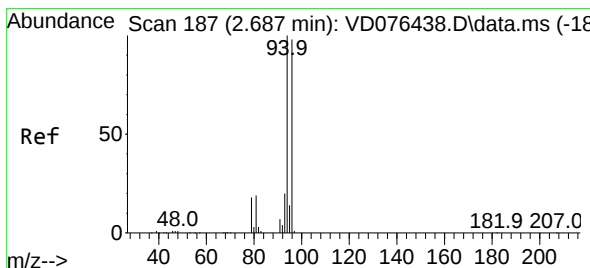
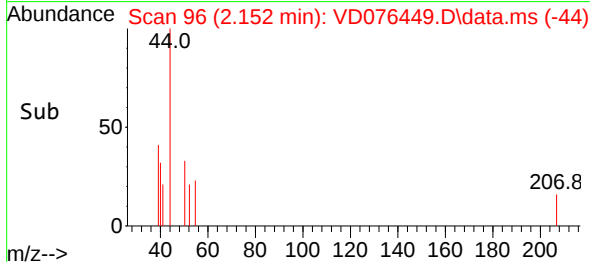
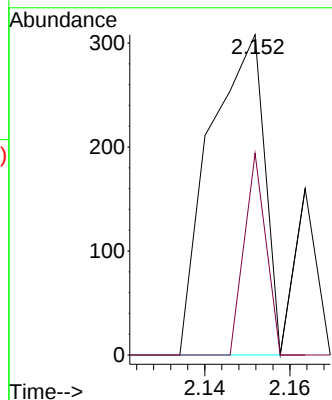
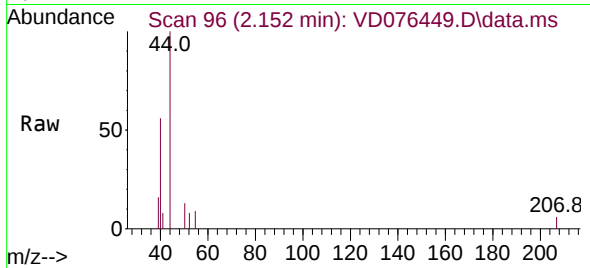




#3
Chloromethane
Concen: 0.667 ug/L
RT: 2.152 min Scan# 90
Delta R.T. 0.006 min
Lab File: VD076449.D
Acq: 15 Jun 2023 20:37

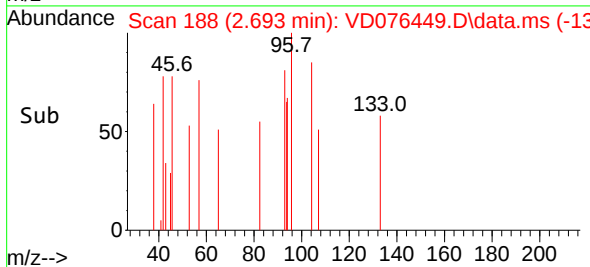
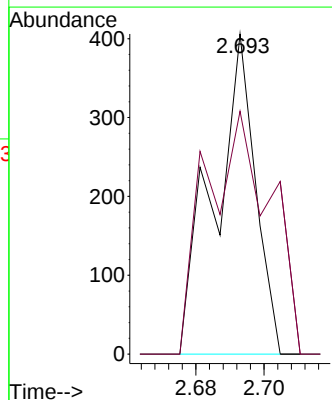
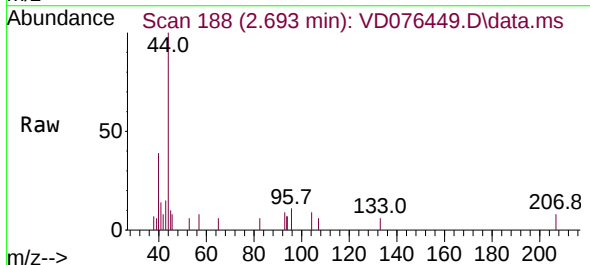
Instrument :
MSVOA_D
ClientSampleId :

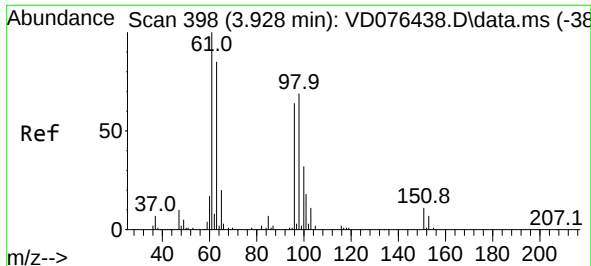
Tgt Ion: 50 Resp: 273
Ion Ratio Lower Upper
50 100
52 63.0 23.2 43.2#



#6
Bromomethane
Concen: 1.381 ug/L
RT: 2.693 min Scan# 188
Delta R.T. 0.006 min
Lab File: VD076449.D
Acq: 15 Jun 2023 20:37

Tgt Ion: 94 Resp: 338
Ion Ratio Lower Upper
94 100
96 75.9 64.7 120.1





#12

1,1-Dichloroethene

Concen: 1.833 ug/L

RT: 3.934 min Scan# 399

Delta R.T. 0.006 min

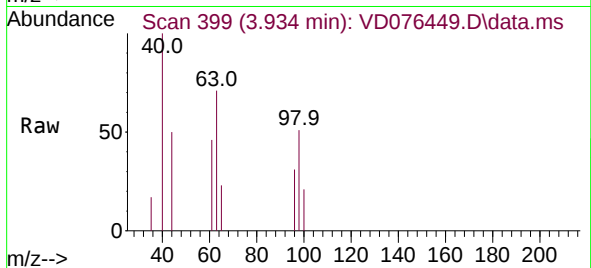
Lab File: VD076449.D

Acq: 15 Jun 2023 20:37

Instrument :

MSVOA_D

ClientSampleId :



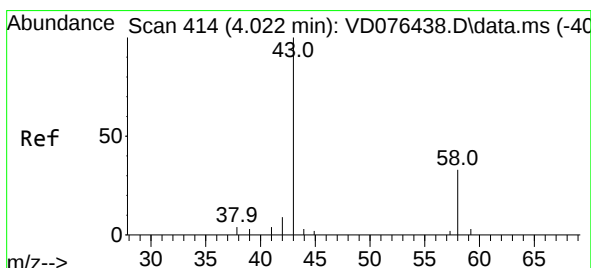
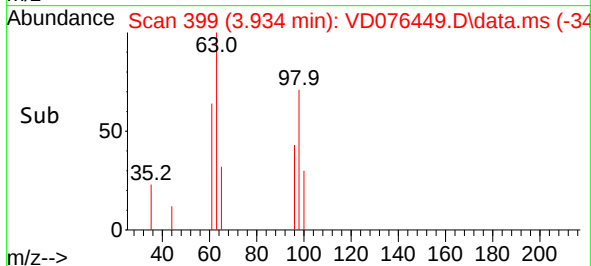
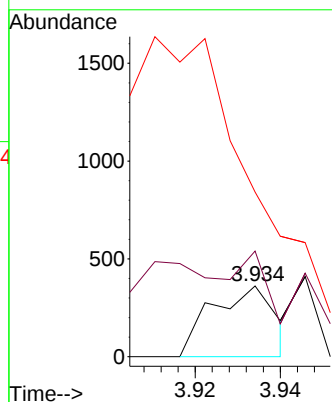
Tgt Ion: 96 Resp: 376

Ion Ratio Lower Upper

96 100

61 149.2 113.0 209.8

63 232.6 83.6 155.2#



#13

Acetone

Concen: 3.206 ug/L

RT: 4.022 min Scan# 414

Delta R.T. -0.000 min

Lab File: VD076449.D

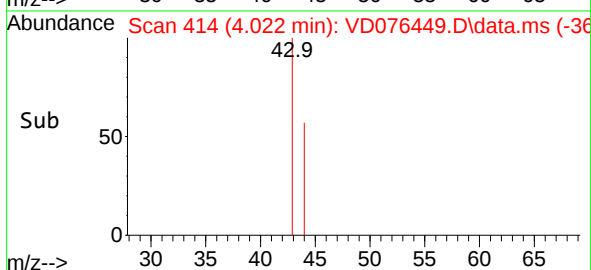
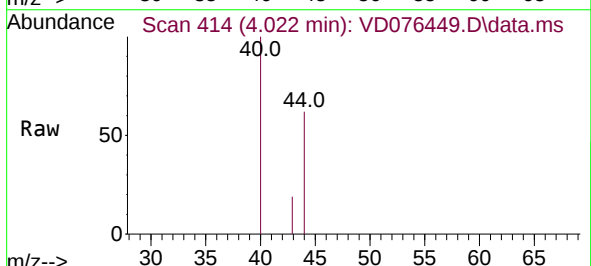
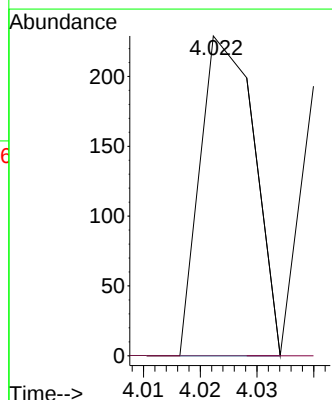
Acq: 15 Jun 2023 20:37

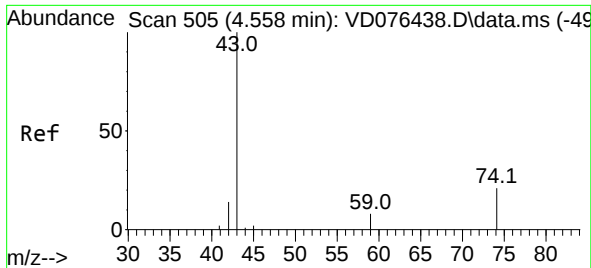
Tgt Ion: 43 Resp: 151

Ion Ratio Lower Upper

43 100

58 0.0 0.0 67.4

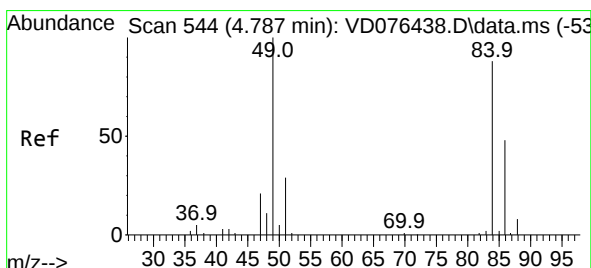
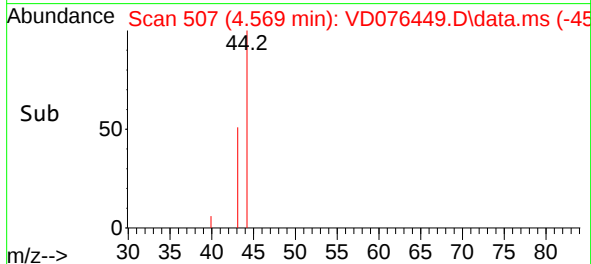
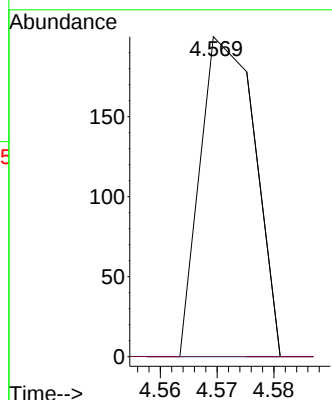
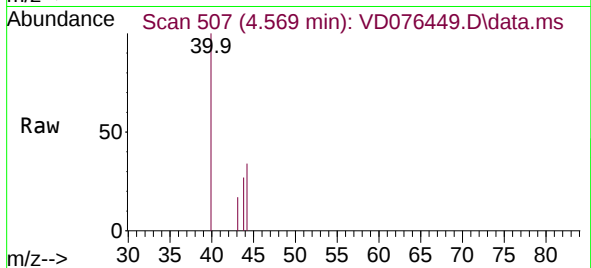




#15
Methyl Acetate
Concen: 1.237 ug/L
RT: 4.569 min Scan# 505
Delta R.T. 0.012 min
Lab File: VD076449.D
Acq: 15 Jun 2023 20:37

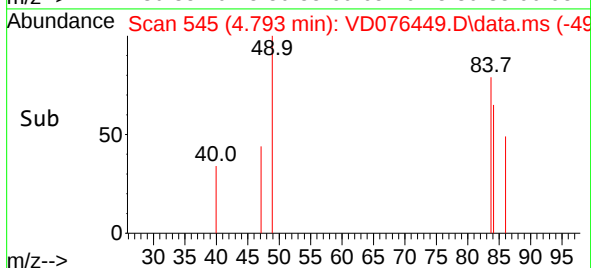
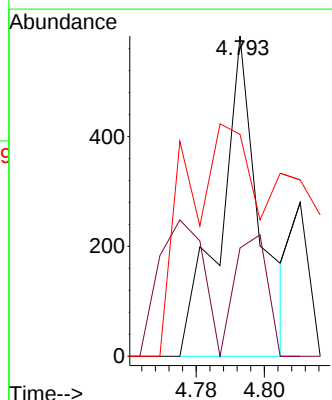
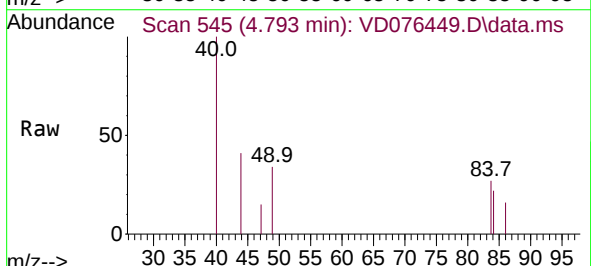
Instrument :
MSVOA_D
ClientSampleId :

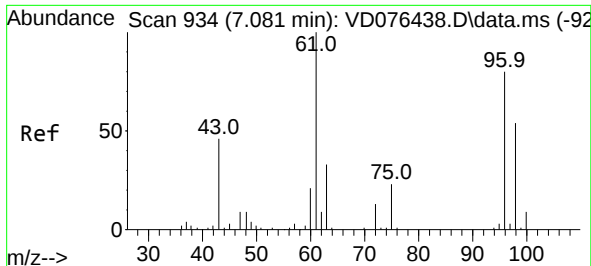
Tgt Ion: 43 Resp: 133
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.2#



#16
Methylene chloride
Concen: 1.692 ug/L
RT: 4.793 min Scan# 545
Delta R.T. 0.006 min
Lab File: VD076449.D
Acq: 15 Jun 2023 20:37

Tgt Ion: 84 Resp: 465
Ion Ratio Lower Upper
84 100
86 33.8 45.1 83.9#
49 69.3 97.2 180.6#

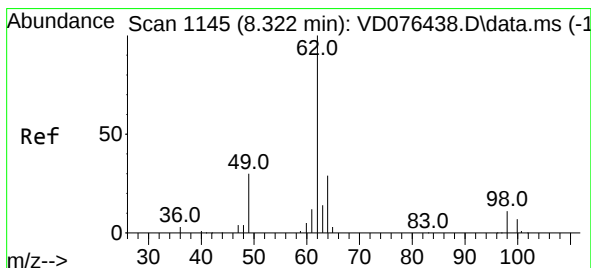
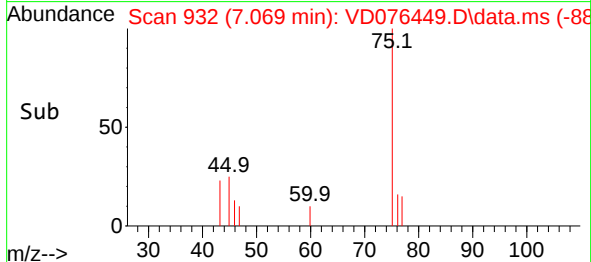
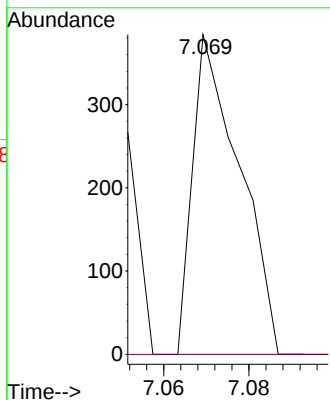
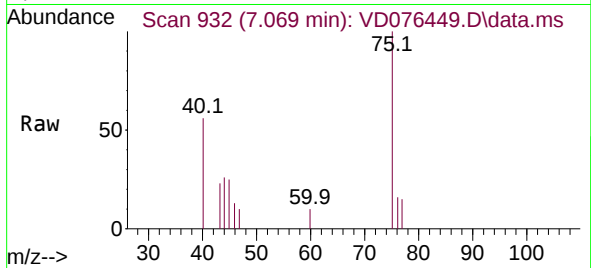




#22
2-Butanone
Concen: 3.855 ug/L
RT: 7.069 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD076449.D
Acq: 15 Jun 2023 20:37

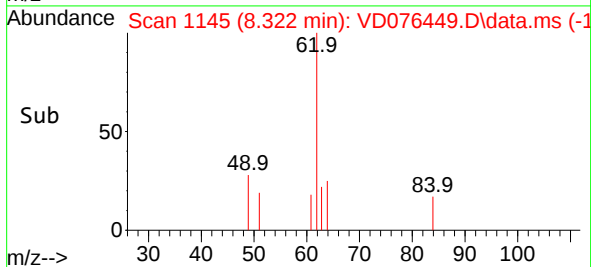
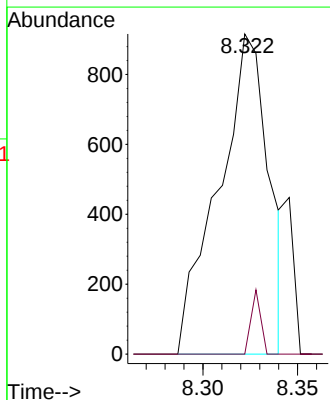
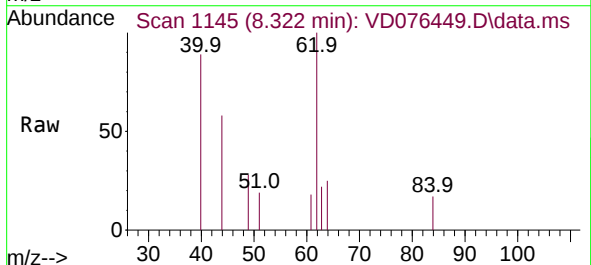
Instrument :
MSVOA_D
ClientSampleId :

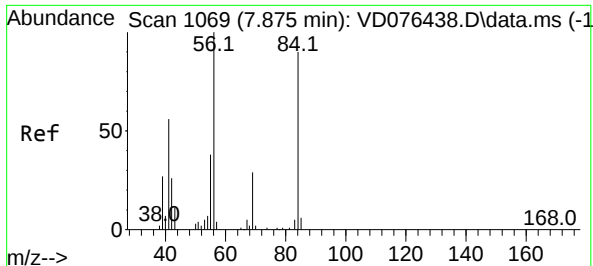
Tgt Ion: 43 Resp: 293
Ion Ratio Lower Upper
43 100
72 0.0 12.9 38.7#



#27
1,2-Dichloroethane
Concen: 6.737 ug/L
RT: 8.322 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VD076449.D
Acq: 15 Jun 2023 20:37

Tgt Ion: 62 Resp: 1691
Ion Ratio Lower Upper
62 100
98 0.0 8.7 13.1#





#29

Cyclohexane

Concen: 0.277 ug/L

RT: 7.787 min Scan# 1054

Delta R.T. -0.088 min

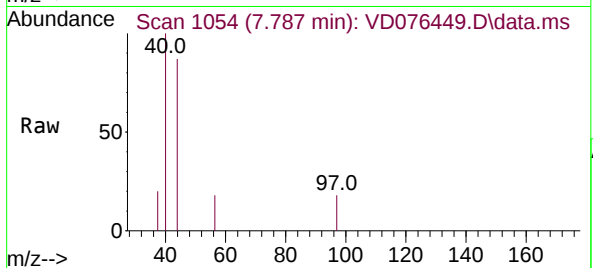
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Acq: 15 Jun 2023 20:37

Instrument :

MSVOA_D

ClientSampleId :



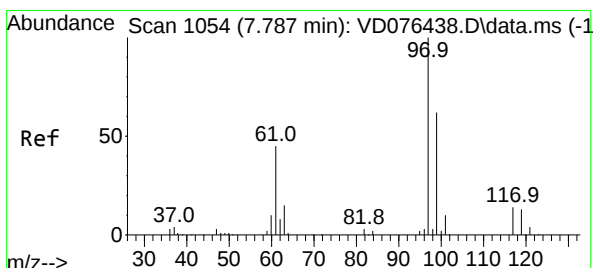
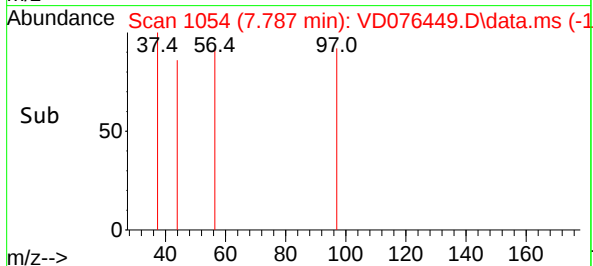
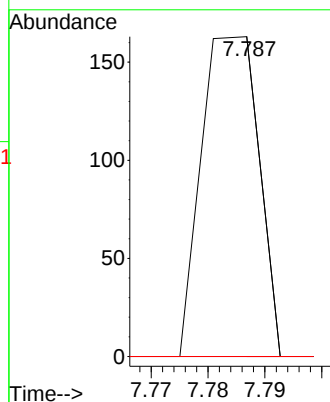
Tgt Ion: 56 Resp: 115

Ion Ratio Lower Upper

56 100

69 0.0 23.4 35.0#

84 0.0 66.3 99.5#



#30

1,1,1-Trichloroethane

Concen: 0.453 ug/L

RT: 7.781 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VD076449.D

Acq: 15 Jun 2023 20:37

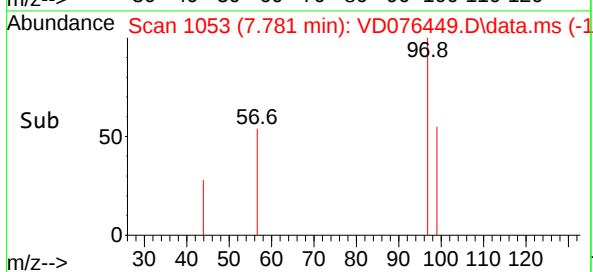
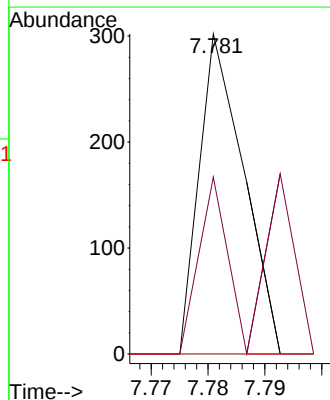
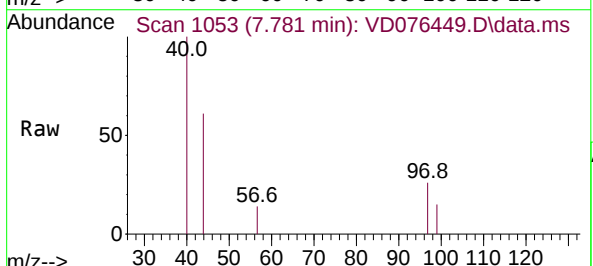
Tgt Ion: 97 Resp: 164

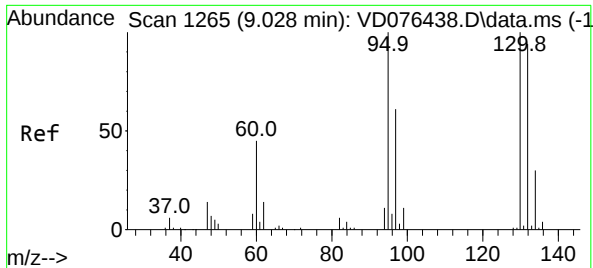
Ion Ratio Lower Upper

97 100

99 36.0 51.0 76.6#

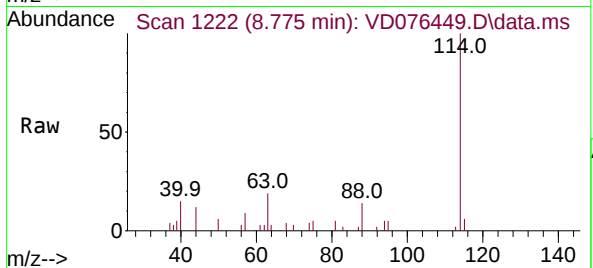
61 0.0 36.4 54.6#





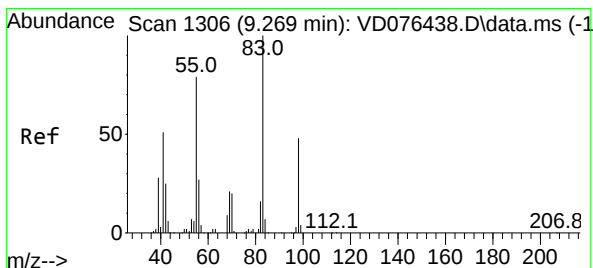
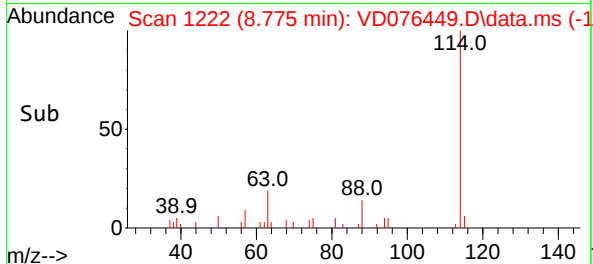
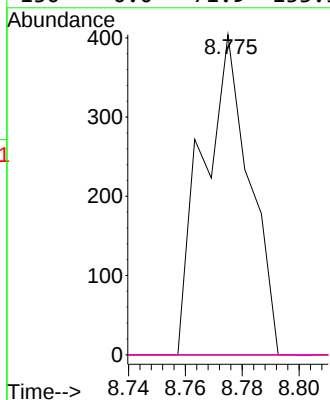
#34
Trichloroethene
Concen: 1.746 ug/L
RT: 8.775 min Scan# 11
Delta R.T. -0.253 min
Lab File: VD076449.D
Acq: 15 Jun 2023 20:37

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 95 Resp: 463

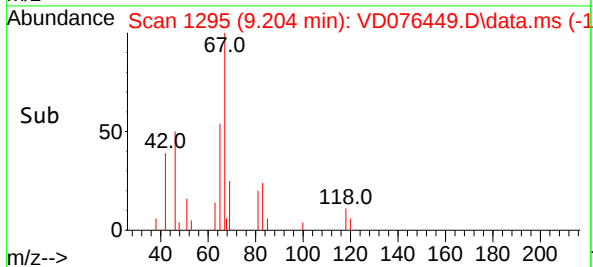
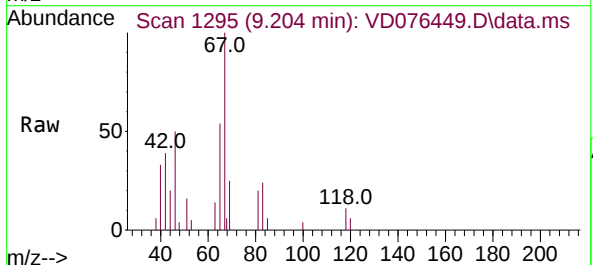
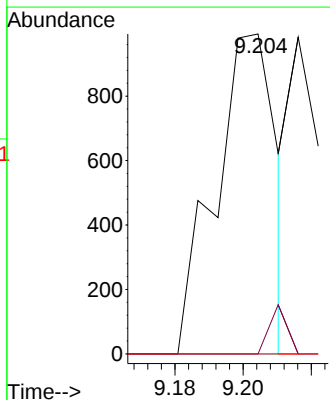
Ion	Ratio	Lower	Upper
95	100		
97	0.0	43.1	80.1#
132	0.0	71.8	133.4#
130	0.0	71.9	133.5#

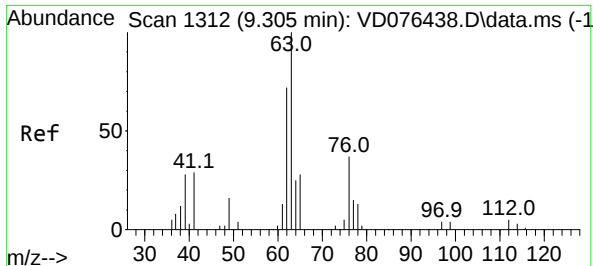


#35
Methylcyclohexane
Concen: 2.883 ug/L
RT: 9.204 min Scan# 1295
Delta R.T. -0.065 min
Lab File: VD076449.D
Acq: 15 Jun 2023 20:37

Tgt Ion: 83 Resp: 1233

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

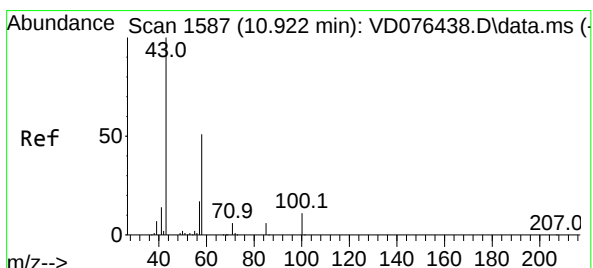
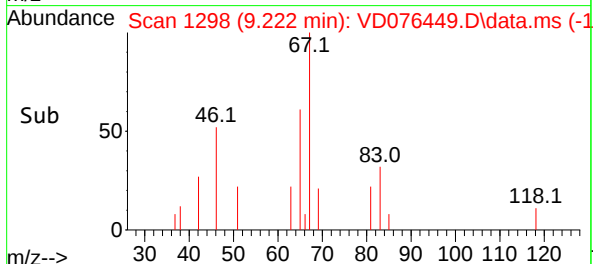
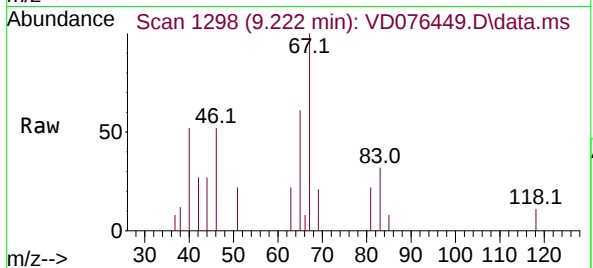




#37
1,2-Dichloropropane
Concen: 0.821 ug/L
RT: 9.222 min Scan# 11
Delta R.T. -0.082 min
Lab File: VD076449.D
Acq: 15 Jun 2023 20:37

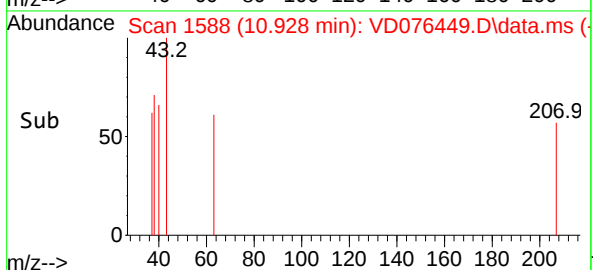
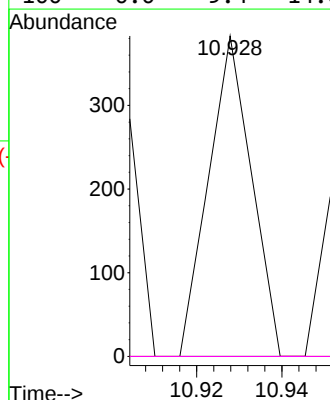
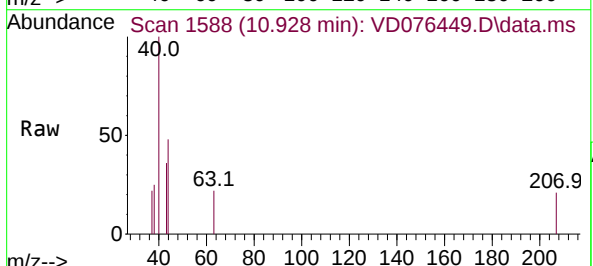
Instrument :
MSVOA_D
ClientSampleId :

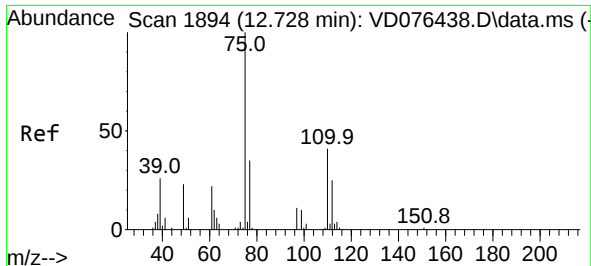
Tgt Ion: 63 Resp: 231
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



#48
2-Hexanone
Concen: 2.235 ug/L
RT: 10.928 min Scan# 1588
Delta R.T. 0.006 min
Lab File: VD076449.D
Acq: 15 Jun 2023 20:37

Tgt Ion: 43 Resp: 268
Ion Ratio Lower Upper
43 100
58 0.0 42.9 64.3#
57 0.0 13.7 20.5#
100 0.0 9.4 14.0#

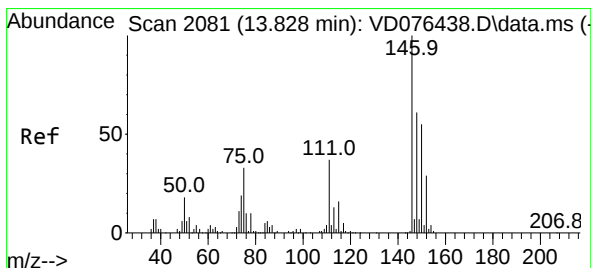
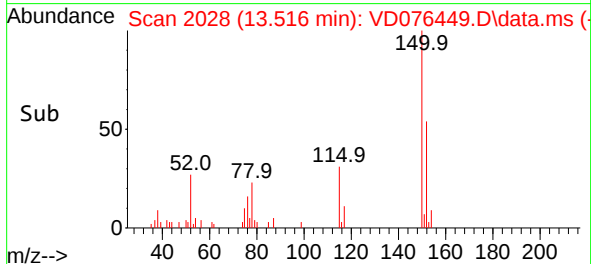
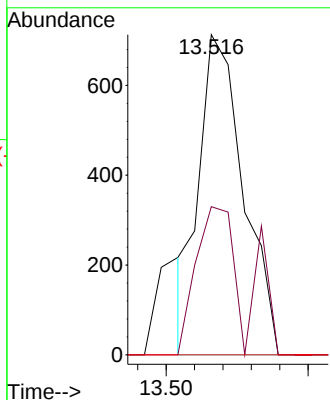
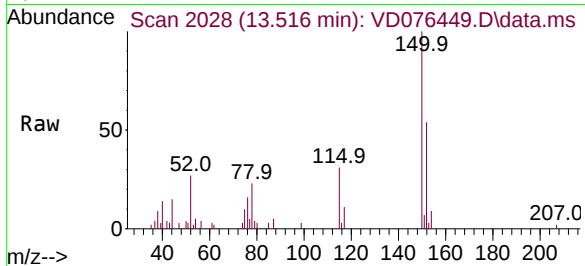




#61
1,2,3-Trichloropropane
Concen: 5.481 ug/L
RT: 13.516 min Scan# 2019
Delta R.T. 0.788 min
Lab File: VD076449.D
Acq: 15 Jun 2023 20:37

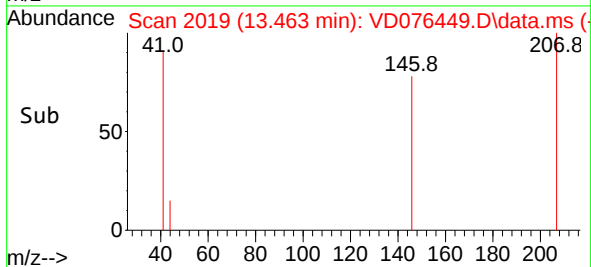
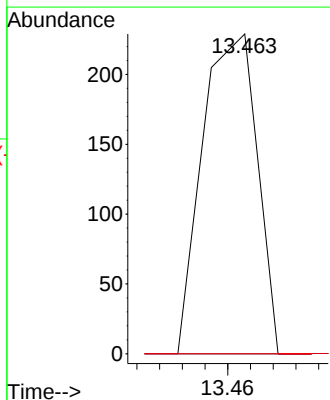
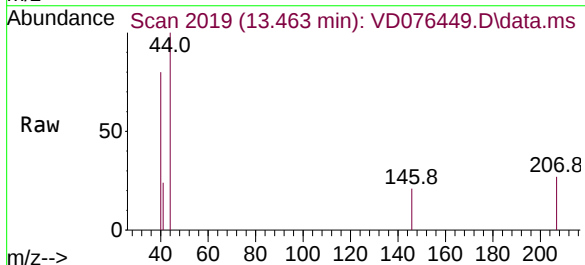
Instrument :
MSVOA_D
ClientSampleId :

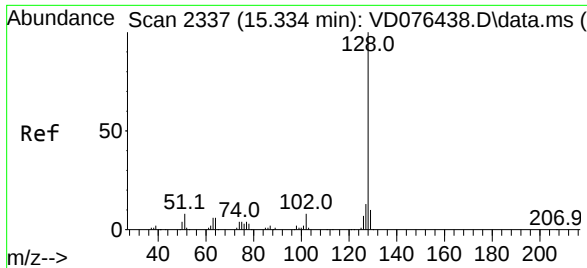
Tgt Ion: 75	Resp:	775
Ion Ratio	Lower	Upper
75	100	
77	38.6	27.2 40.8
110	0.0	31.8 47.6#



#67
1,2-Dichlorobenzene
Concen: 0.346 ug/L
RT: 13.463 min Scan# 2019
Delta R.T. -0.365 min
Lab File: VD076449.D
Acq: 15 Jun 2023 20:37

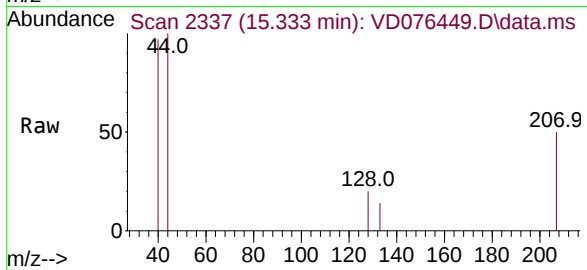
Tgt Ion: 146	Resp:	153
Ion Ratio	Lower	Upper
146	100	
111	0.0	31.3 46.9#
148	0.0	51.7 77.5#





#71
Naphthalene
Concen: 0.488 ug/L
RT: 15.333 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD076449.D
Acq: 15 Jun 2023 20:37

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 275
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 12.8#

