

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062923\
 Data File : VD076648.D
 Acq On : 29 Jun 2023 19:53
 Operator : KP/SY
 Sample : 03472-08MSD
 Misc : 4.60G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A46Q2MSD

Quant Time: Jun 30 01:16:54 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	229030	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	207393	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	106323	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	102740	18.420	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.680%
7) Chloroethane-d5	2.787	69	83740	18.568	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.280%
11) 1,1-Dichloroethene-d2	3.905	65	31150	21.396	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.600%
21) 2-Butanone-d5	6.981	46	45498	53.862	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.720%
24) Chloroform-d	7.563	84	139360	23.096	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.400%
26) 1,2-Dichloroethane-d4	8.234	65	76892	25.831	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.320%
32) Benzene-d6	8.199	84	266900	21.038	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.160%
36) 1,2-Dichloropropane-d6	9.210	67	85197	21.039	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	84.160%
41) Toluene-d8	10.269	98	246804	21.010	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.040%
43) trans-1,3-Dichloroprop...	10.528	79	38476	22.843	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.360%
47) 2-Hexanone-d5	10.875	63	32286	51.361	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.720%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	76782	26.651	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.600%
66) 1,2-Dichlorobenzene-d4	13.816	152	83565	21.442	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	97833	27.413	ug/L	99
3) Chloromethane	2.146	50	140521	23.685	ug/L	100
5) Vinyl chloride	2.276	62	145322	22.706	ug/L	96
6) Bromomethane	2.681	94	61470	17.340	ug/L	92
8) Chloroethane	2.823	64	86442	22.049	ug/L	96
9) Trichlorofluoromethane	3.164	101	135794	29.344	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.952	101	80628	26.861	ug/L	100
12) 1,1-Dichloroethene	3.928	96	71904	24.190	ug/L	96
13) Acetone	4.022	43	33961	49.777	ug/L	96
14) Carbon disulfide	4.258	76	248545	23.067	ug/L	100
15) Methyl Acetate	4.564	43	42906	27.549	ug/L #	75
16) Methylene chloride	4.793	84	85618	21.508	ug/L	89
17) trans-1,2-Dichloroethene	5.305	96	78679	23.742	ug/L	97
18) Methyl tert-butyl Ether	5.317	73	221765	29.394	ug/L #	89
19) 1,1-Dichloroethane	6.105	63	143050	23.611	ug/L	97
20) cis-1,2-Dichloroethene	7.075	96	87736	23.706	ug/L	95
22) 2-Butanone	7.081	43	55743	50.628	ug/L	97
23) Bromochloromethane	7.428	128	40699	25.911	ug/L	88
25) Chloroform	7.593	83	151851	25.682	ug/L	93

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 Response via : Initial Calibration

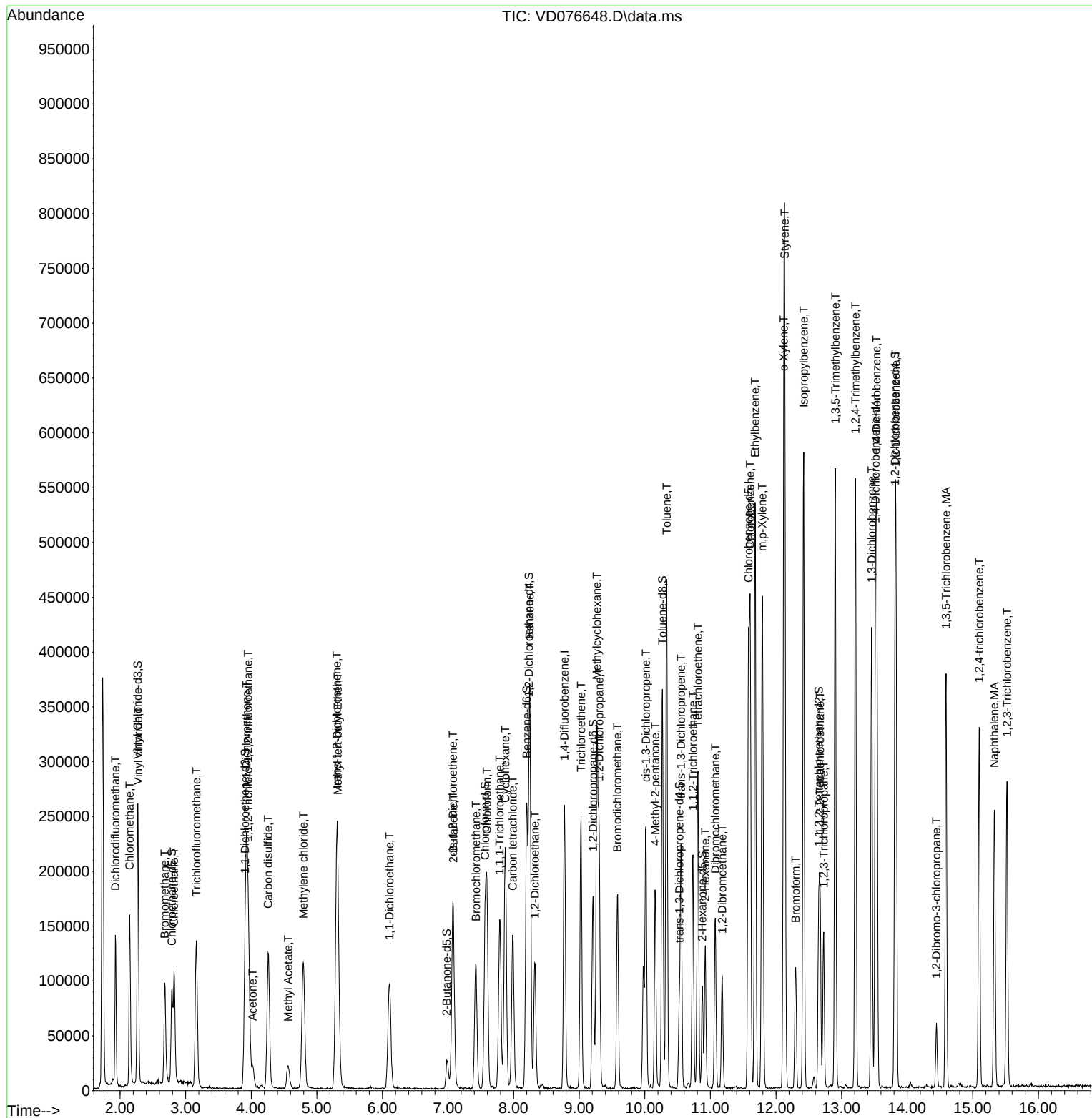
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	102590	28.213	ug/L	99
29) Cyclohexane	7.875	56	124054	22.494	ug/L	93
30) 1,1,1-Trichloroethane	7.787	97	128243	26.618	ug/L	98
31) Carbon tetrachloride	7.987	117	106618	27.670	ug/L	97
33) Benzene	8.246	78	316991	23.094	ug/L	100
34) Trichloroethene	9.028	95	82834	23.492	ug/L	92
35) Methylcyclohexane	9.269	83	136537	24.013	ug/L	98
37) 1,2-Dichloropropane	9.305	63	85466	22.838	ug/L	99
38) Bromodichloromethane	9.581	83	116382	27.267	ug/L	97
39) cis-1,3-Dichloropropene	10.016	75	135847	23.773	ug/L	99
40) 4-Methyl-2-pentanone	10.157	43	122452	52.600	ug/L	98
42) Toluene	10.334	91	347508	23.691	ug/L	97
44) trans-1,3-Dichloropropene	10.552	75	118280	25.466	ug/L	97
45) 1,1,2-Trichloroethane	10.734	97	66830	26.036	ug/L	94
46) Tetrachloroethene	10.810	164	64724	23.349	ug/L	95
48) 2-Hexanone	10.922	43	85359	53.537	ug/L	99
49) Dibromochloromethane	11.075	129	79891	27.388	ug/L	94
50) 1,2-Dibromoethane	11.181	107	67250	26.994	ug/L	93
51) Chlorobenzene	11.604	112	227830	24.878	ug/L	96
52) Ethylbenzene	11.681	91	383897	24.282	ug/L	98
53) m,p-Xylene	11.793	106	143596	23.112	ug/L	100
54) o-Xylene	12.116	106	136938	23.148	ug/L	93
55) Styrene	12.134	104	248127	24.277	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.669	83	80115	27.310	ug/L	92
59) Bromoform	12.299	173	49312	25.908	ug/L #	98
60) Isopropylbenzene	12.422	105	374029	22.999	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	57424	27.829	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	300204	23.073	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	296894	23.123	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	168400	23.276	ug/L	94
65) 1,4-Dichlorobenzene	13.534	146	171310	23.490	ug/L	95
67) 1,2-Dichlorobenzene	13.828	146	156880	24.340	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.445	75	13253	28.820	ug/L	90
69) 1,3,5-Trichlorobenzene	14.593	180	113053	23.427	ug/L	100
70) 1,2,4-trichlorobenzene	15.098	180	100053	23.302	ug/L	99
71) Naphthalene	15.328	128	218782	26.613	ug/L	100
72) 1,2,3-Trichlorobenzene	15.522	180	91476	24.533	ug/L	99

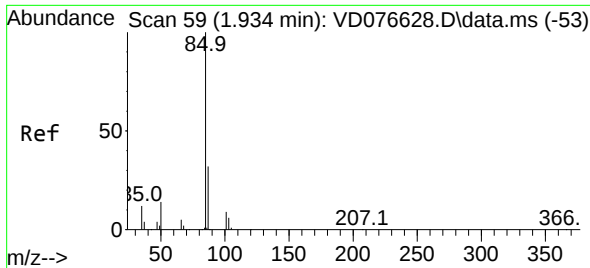
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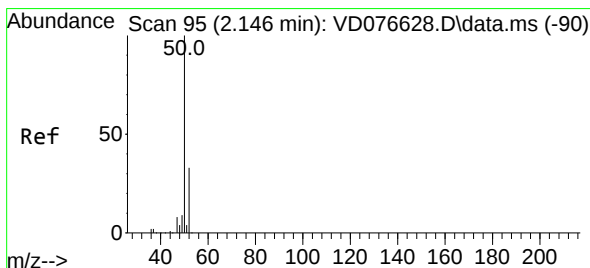
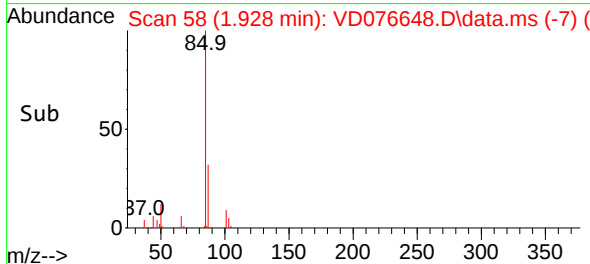
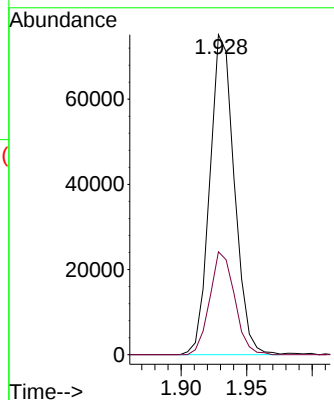
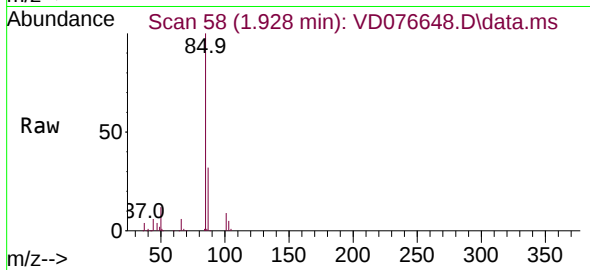




#2
Dichlorodifluoromethane
Concen: 27.413 ug/L
RT: 1.928 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

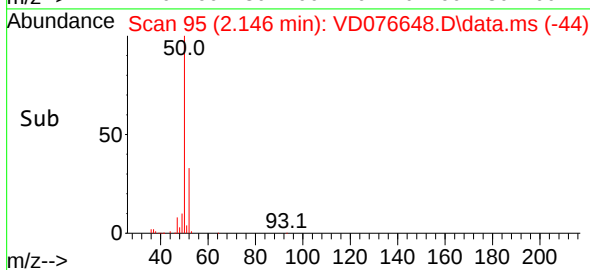
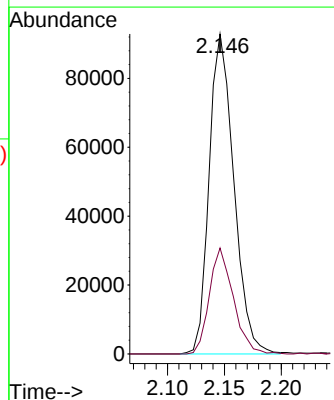
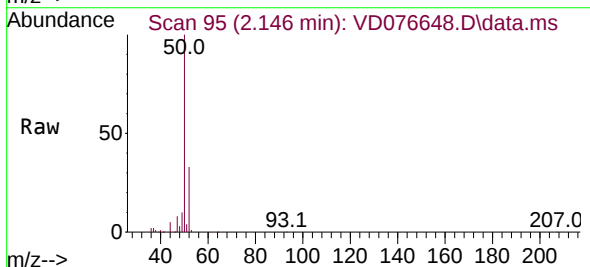
Instrument :
MSVOA_D
ClientSampleId :
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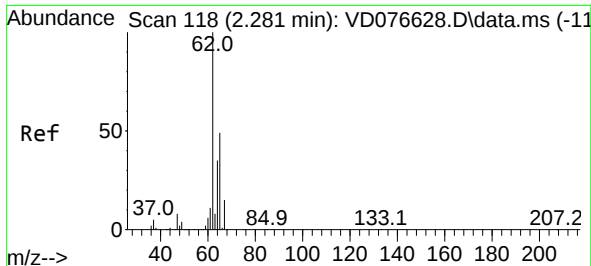
Tgt Ion: 85 Resp: 97833
Ion Ratio Lower Upper
85 100
87 32.5 26.3 39.5



#3
Chloromethane
Concen: 23.685 ug/L
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

Tgt Ion: 50 Resp: 140521
Ion Ratio Lower Upper
50 100
52 33.1 23.2 43.2

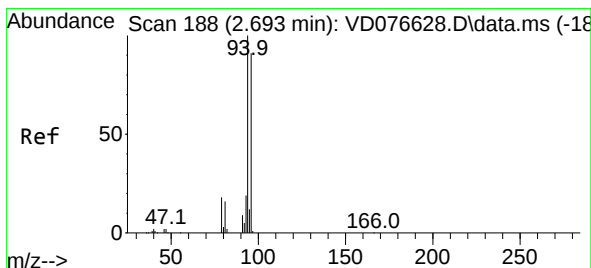
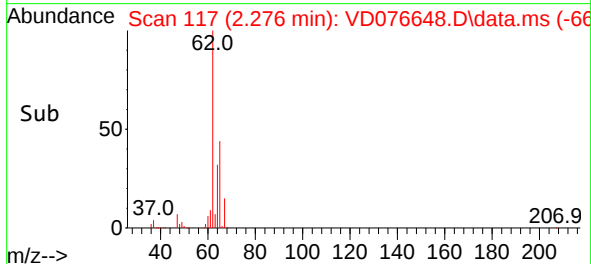
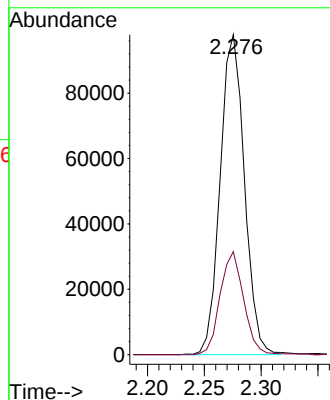
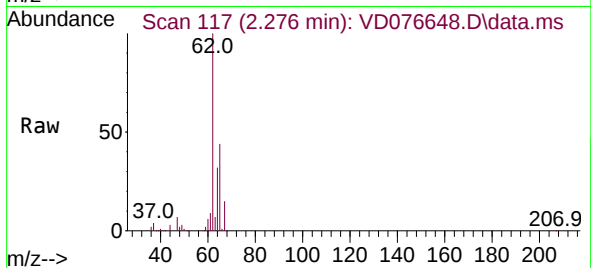




#5
 Vinyl chloride
 Concen: 22.706 ug/L
 RT: 2.276 min Scan# 117
 Delta R.T. 0.000 min
 Lab File: VD076648.D
 Acq: 29 Jun 2023 19:53

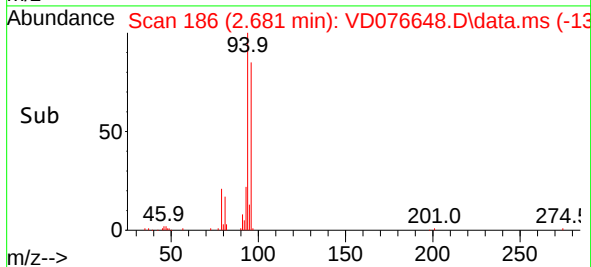
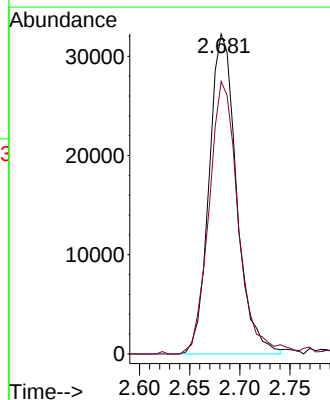
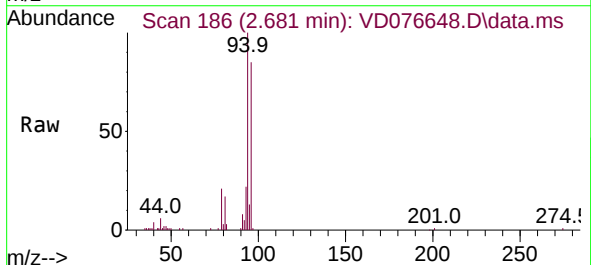
Instrument :
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 ClientSampleId :
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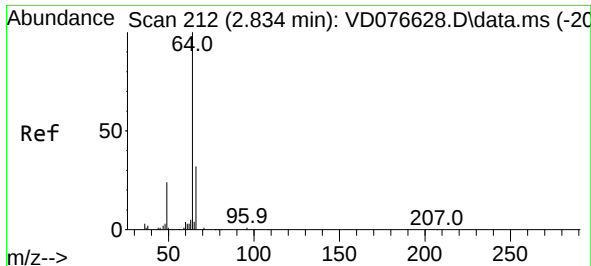
Tgt Ion: 62 Resp: 145322
 Ion Ratio Lower Upper
 62 100
 64 32.2 21.1 39.1



#6
 Bromomethane
 Concen: 17.340 ug/L
 RT: 2.681 min Scan# 186
 Delta R.T. -0.006 min
 Lab File: VD076648.D
 Acq: 29 Jun 2023 19:53

Tgt Ion: 94 Resp: 61470
 Ion Ratio Lower Upper
 94 100
 96 85.2 64.7 120.1

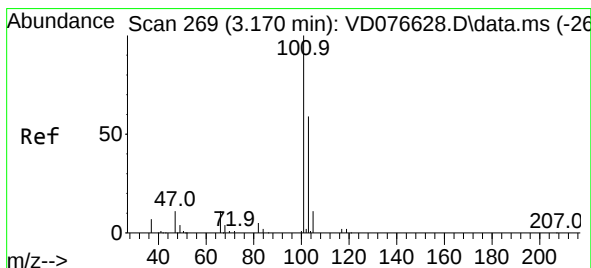
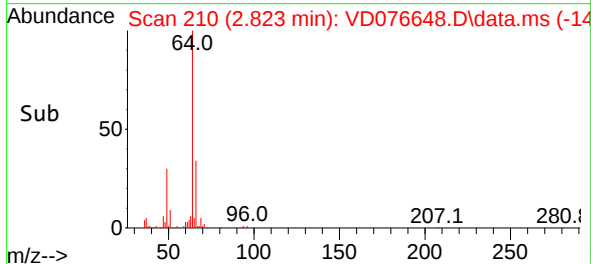
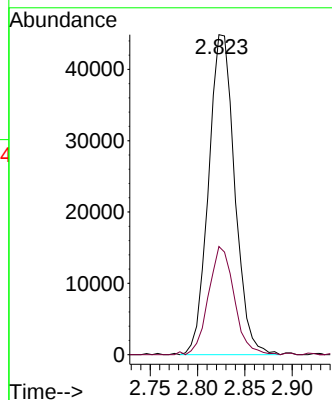
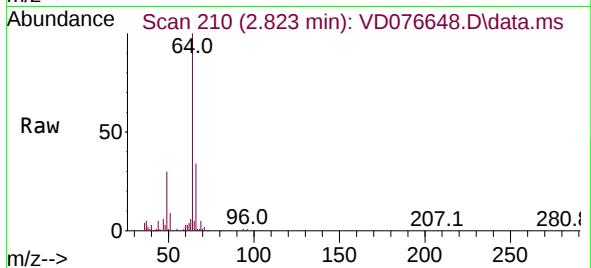




#8
Chloroethane
Concen: 22.049 ug/L
RT: 2.823 min Scan# 212
Delta R.T. -0.012 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

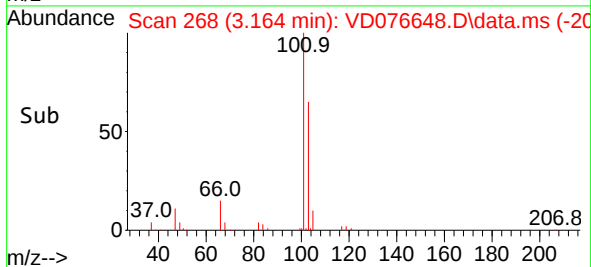
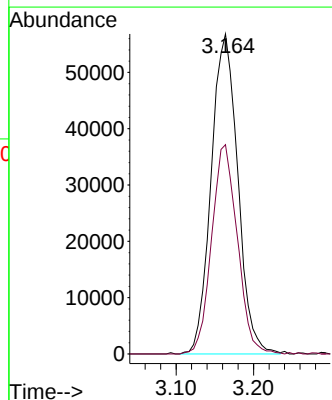
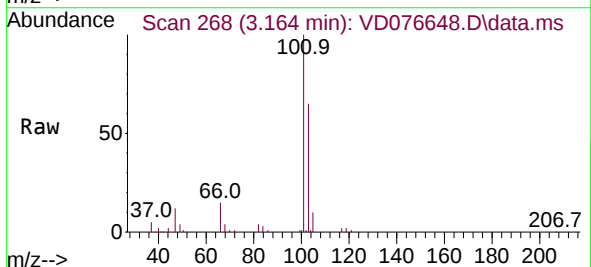
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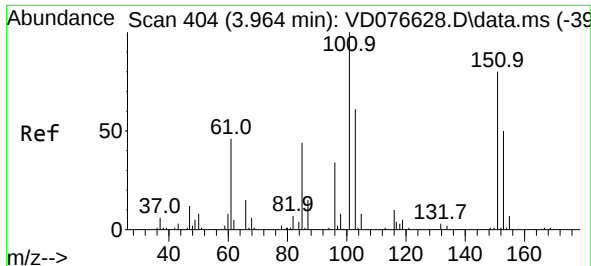
Tgt Ion: 64 Resp: 86442
Ion Ratio Lower Upper
64 100
66 33.8 22.1 41.1



#9
Trichlorofluoromethane
Concen: 29.344 ug/L
RT: 3.164 min Scan# 268
Delta R.T. -0.006 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

Tgt Ion: 101 Resp: 135794
Ion Ratio Lower Upper
101 100
103 63.2 51.8 77.6

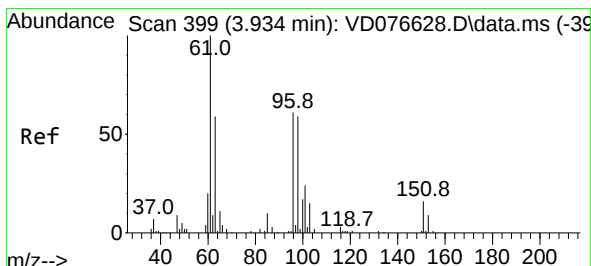
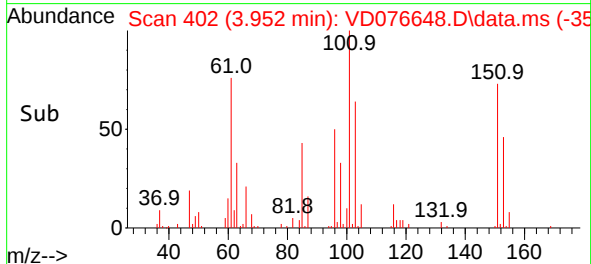
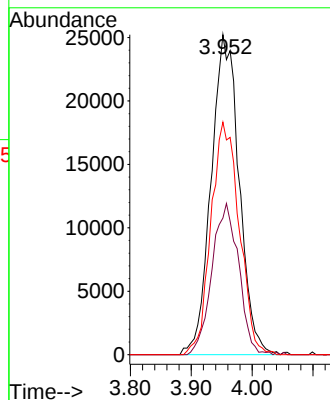
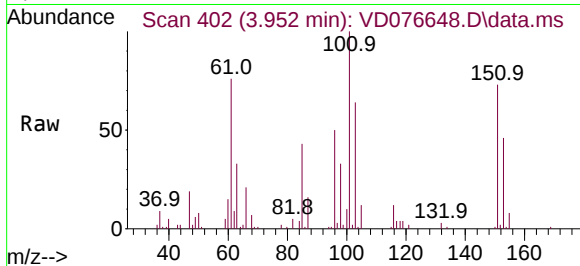




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 26.861 ug/L
 RT: 3.952 min Scan# 404
 Delta R.T. -0.006 min
 Lab File: VD076648.D
 Acq: 29 Jun 2023 19:53

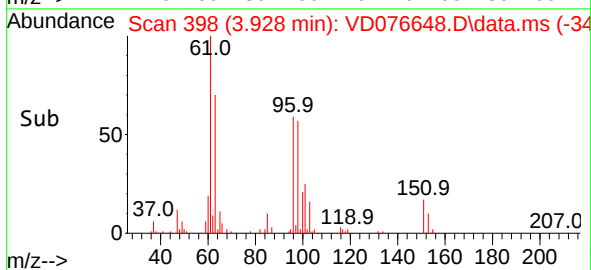
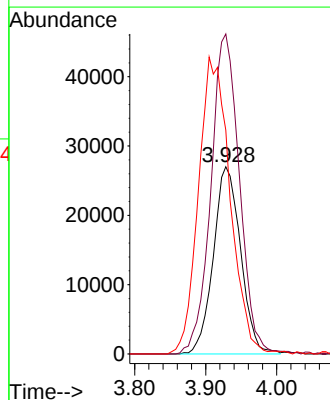
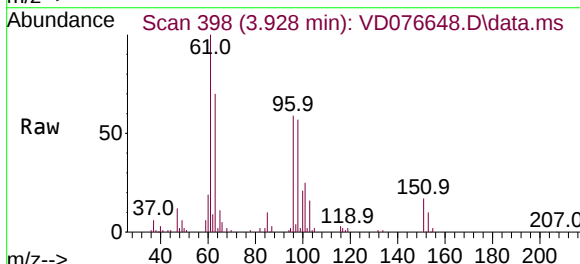
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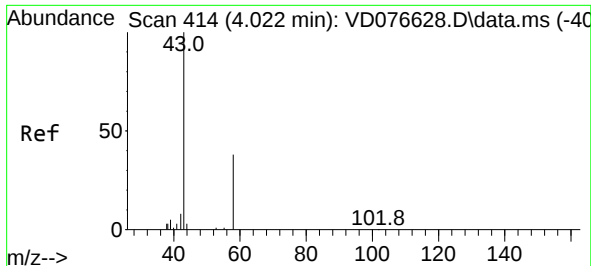
Tgt Ion:101 Resp: 80628
 Ion Ratio Lower Upper
 101 100
 85 44.6 35.5 53.3
 151 73.0 58.6 87.8



#12
 1,1-Dichloroethene
 Concen: 24.190 ug/L
 RT: 3.928 min Scan# 398
 Delta R.T. 0.000 min
 Lab File: VD076648.D
 Acq: 29 Jun 2023 19:53

Tgt Ion: 96 Resp: 71904
 Ion Ratio Lower Upper
 96 100
 61 170.9 113.0 209.8
 63 119.5 83.6 155.2





#13

Acetone

Concen: 49.777 ug/L

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD076648.D

Acq: 29 Jun 2023 19:53

Instrument :

MSVOA_D

ClientSampleId :

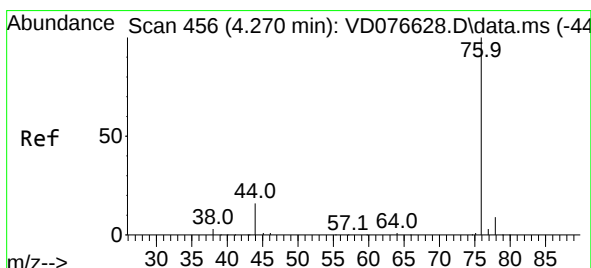
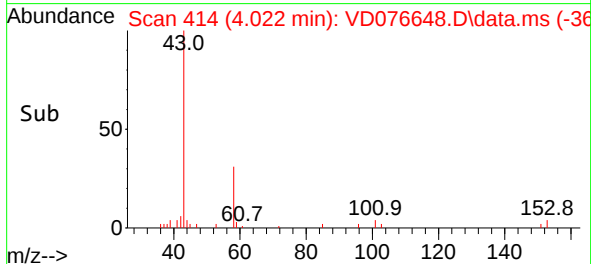
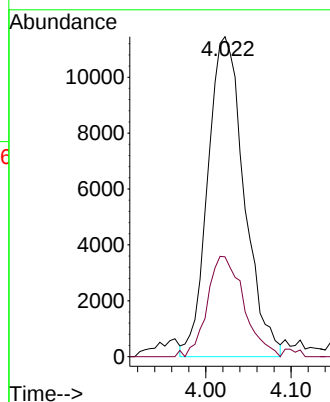
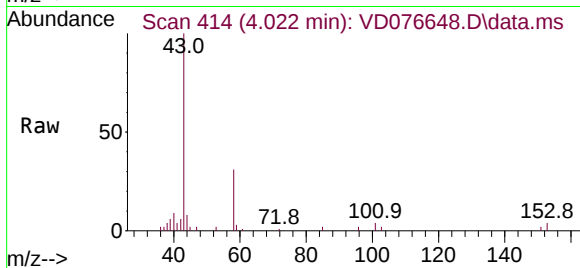
A46Q2MSD

Tgt Ion: 43 Resp: 33961

Ion Ratio Lower Upper

43 100

58 31.1 0.0 67.4



#14

Carbon disulfide

Concen: 23.067 ug/L

RT: 4.258 min Scan# 454

Delta R.T. -0.006 min

Lab File: VD076648.D

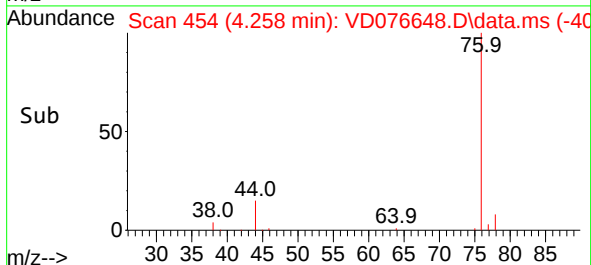
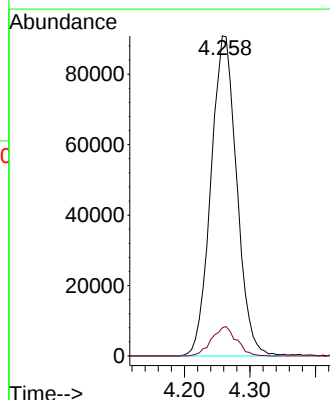
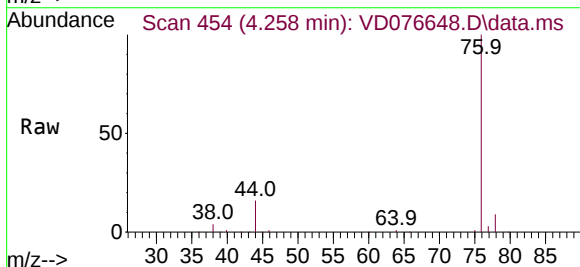
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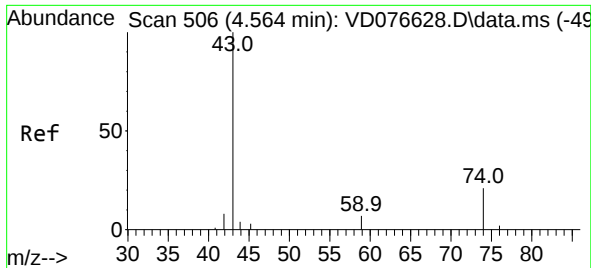
Tgt Ion: 76 Resp: 248545

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.4

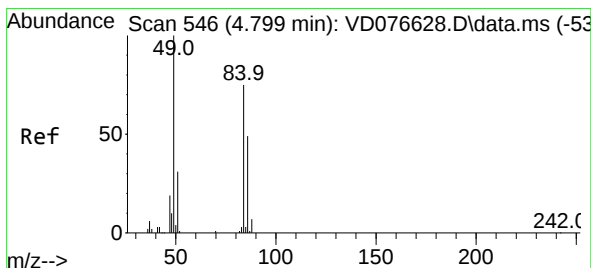
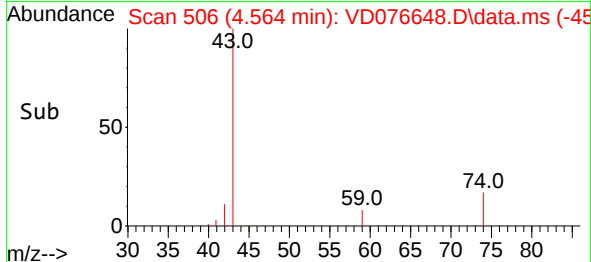
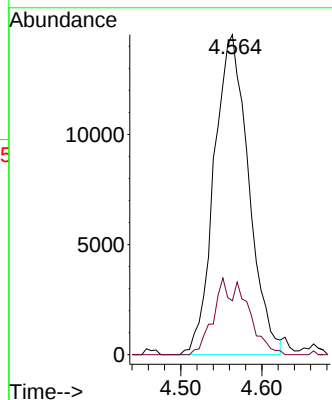
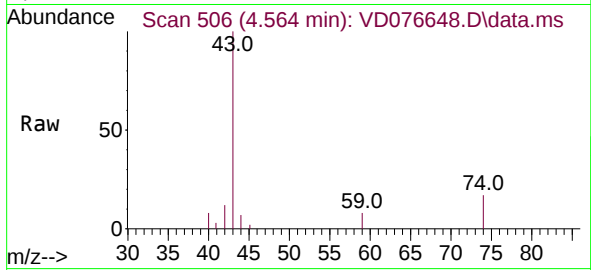




#15
Methyl Acetate
Concen: 27.549 ug/L
RT: 4.564 min Scan# 506
Delta R.T. 0.006 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

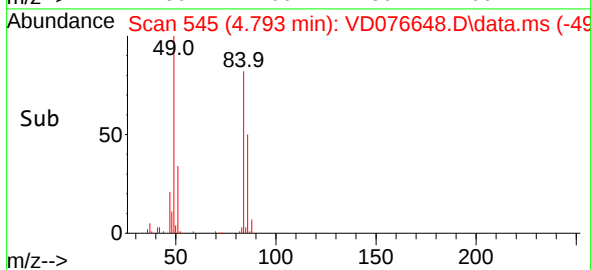
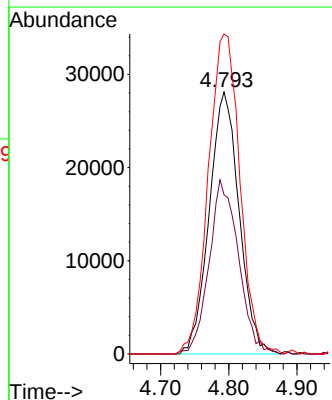
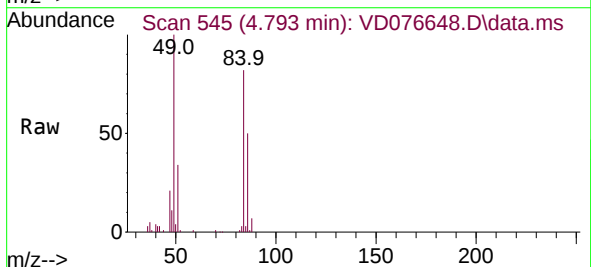
Instrument :
MSVOA_D
ClientSampleId :
A46Q2MSD

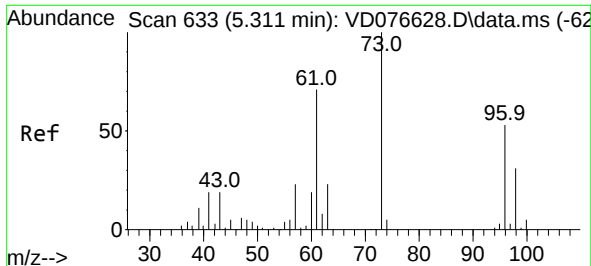
Tgt Ion: 43 Resp: 42906
Ion Ratio Lower Upper
43 100
74 10.6 18.2 27.2#



#16
Methylene chloride
Concen: 21.508 ug/L
RT: 4.793 min Scan# 545
Delta R.T. 0.006 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

Tgt Ion: 84 Resp: 85618
Ion Ratio Lower Upper
84 100
86 60.8 45.1 83.9
49 122.2 97.2 180.6

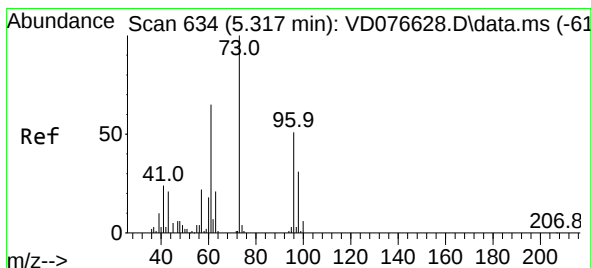
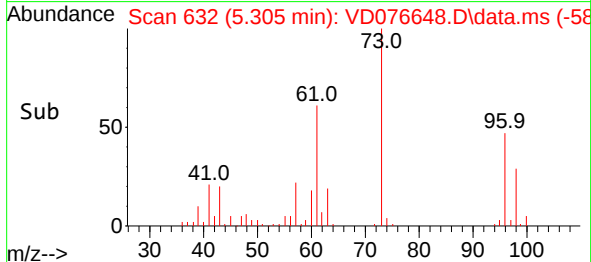
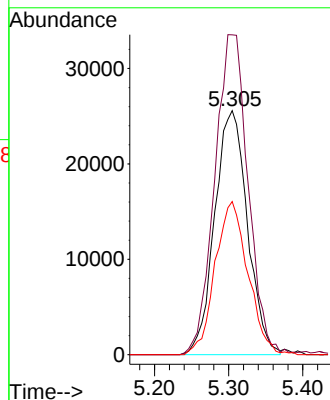
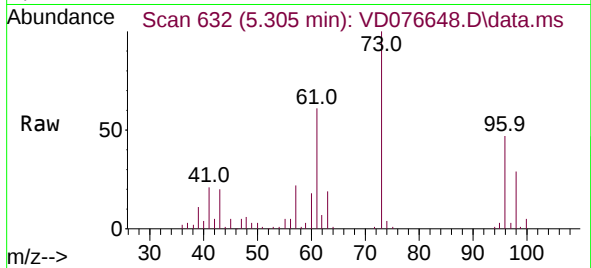




#17
trans-1,2-Dichloroethene
Concen: 23.742 ug/L
RT: 5.305 min Scan# 61
Delta R.T. -0.006 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

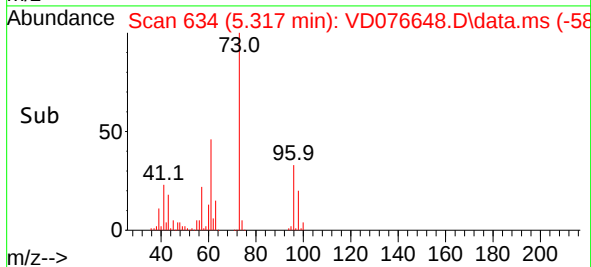
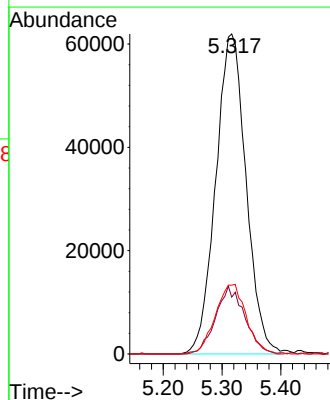
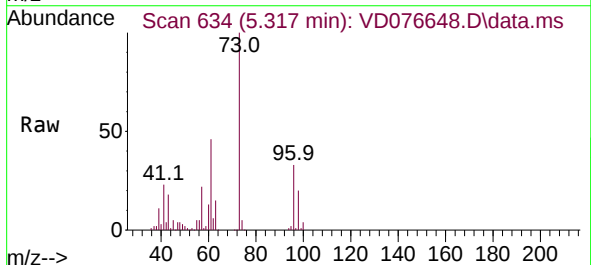
Instrument :
MSVOA_D
ClientSampleId :
A46Q2MSD

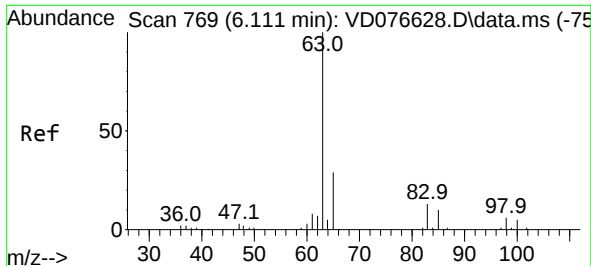
Tgt Ion: 96 Resp: 78679
Ion Ratio Lower Upper
96 100
61 131.0 94.5 175.5
98 62.7 46.0 85.4



#18
Methyl tert-butyl Ether
Concen: 29.394 ug/L
RT: 5.317 min Scan# 634
Delta R.T. 0.000 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

Tgt Ion: 73 Resp: 221765
Ion Ratio Lower Upper
73 100
43 20.2 7.2 10.8#
57 22.0 18.6 28.0





#19

1,1-Dichloroethane

Concen: 23.611 ug/L

RT: 6.105 min Scan# 7

Delta R.T. 0.000 min

Lab File: VD076648.D

Acq: 29 Jun 2023 19:53

Instrument :

MSVOA_D

ClientSampleId :

A46Q2MSD

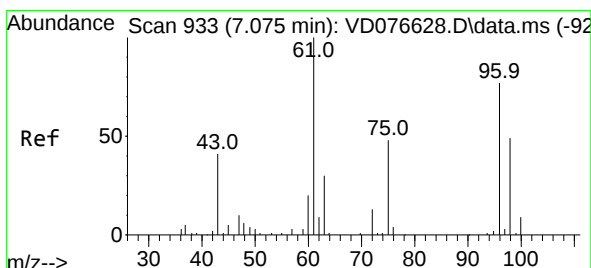
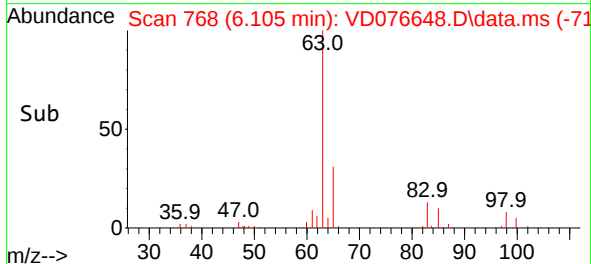
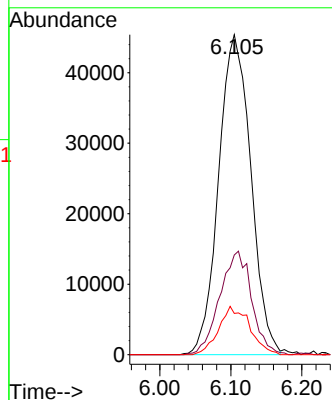
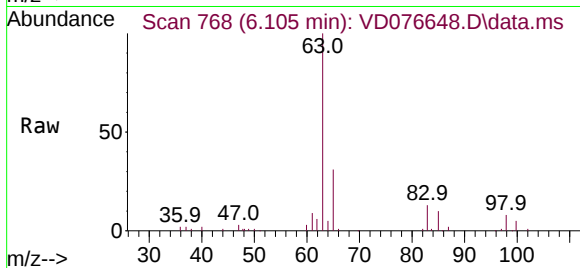
Tgt Ion: 63 Resp: 143050

Ion Ratio Lower Upper

63 100

65 31.2 20.8 38.6

83 13.7 8.9 16.5



#20

cis-1,2-Dichloroethene

Concen: 23.706 ug/L

RT: 7.075 min Scan# 933

Delta R.T. 0.000 min

Lab File: VD076648.D

Acq: 29 Jun 2023 19:53

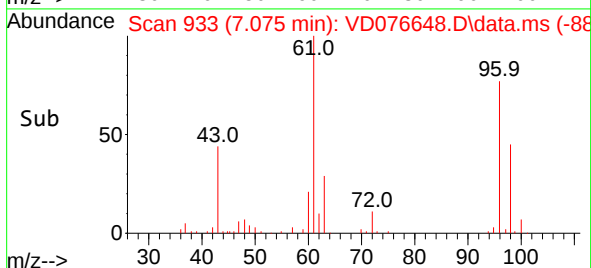
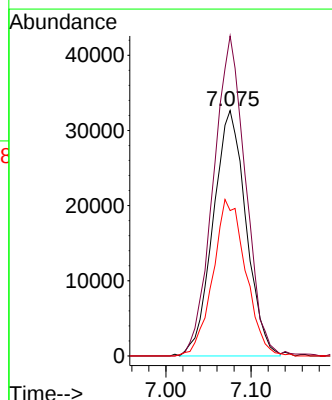
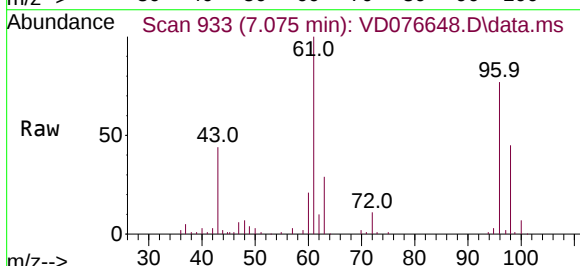
Tgt Ion: 96 Resp: 87736

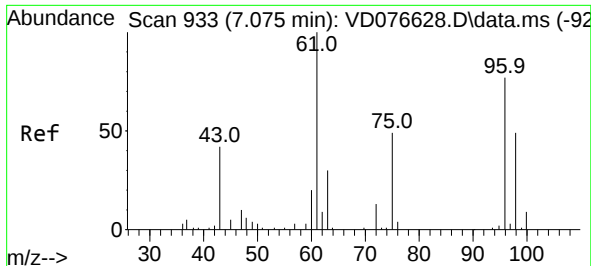
Ion Ratio Lower Upper

96 100

61 130.4 86.0 159.6

98 59.3 42.2 78.4

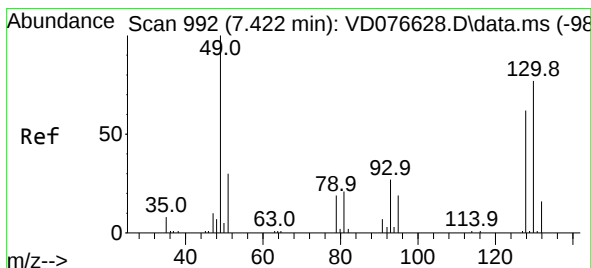
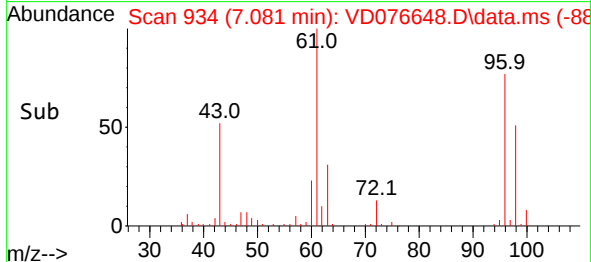
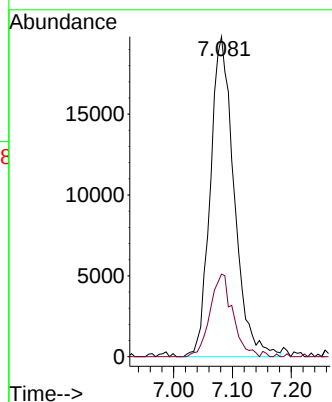
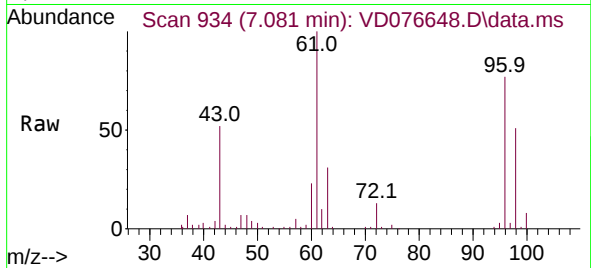




#22
2-Butanone
Concen: 50.628 ug/L
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

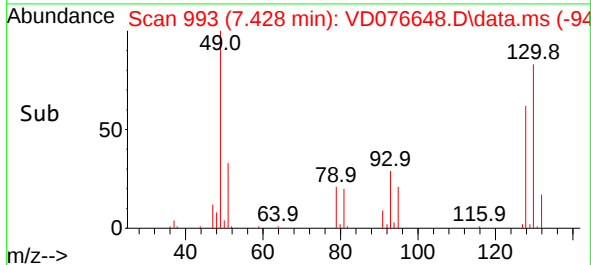
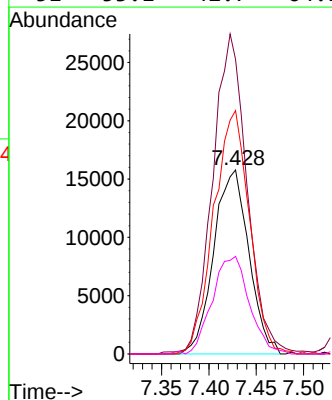
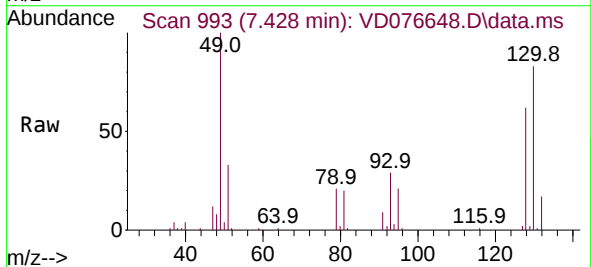
Instrument :
MSVOA_D
ClientSampleId :
A46Q2MSD

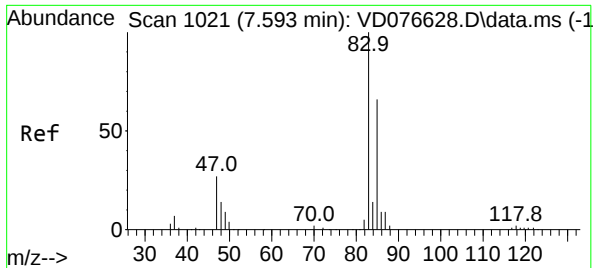
Tgt Ion: 43 Resp: 55743
Ion Ratio Lower Upper
43 100
72 24.1 12.9 38.7



#23
Bromochloromethane
Concen: 25.911 ug/L
RT: 7.428 min Scan# 993
Delta R.T. 0.006 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

Tgt Ion: 128 Resp: 40699
Ion Ratio Lower Upper
128 100
49 160.1 124.7 231.7
130 132.2 80.0 148.6
51 53.1 42.7 64.1

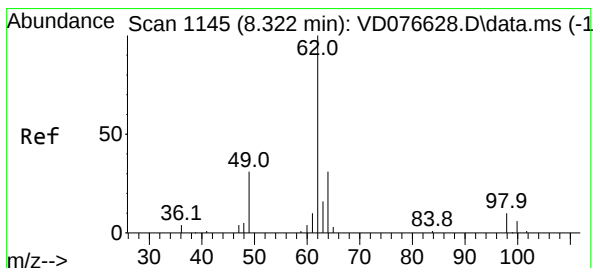
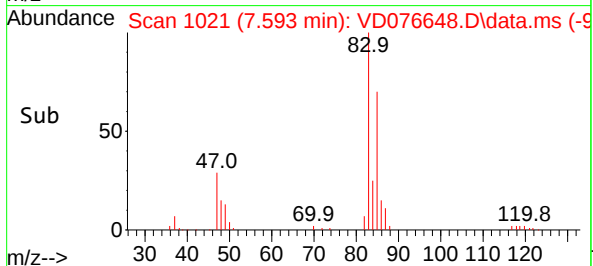
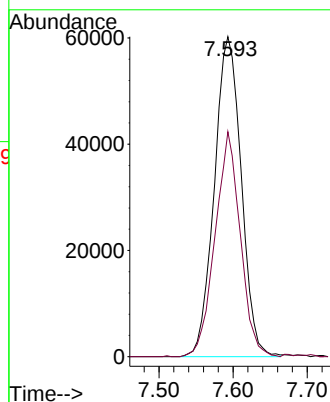
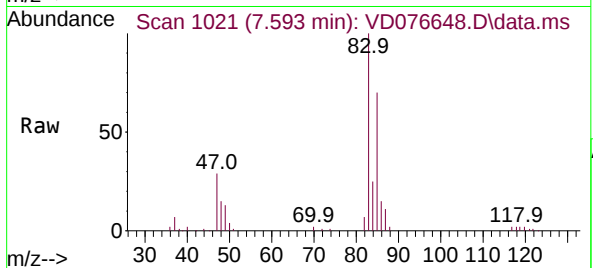




#25
Chloroform
Concen: 25.682 ug/L
RT: 7.593 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

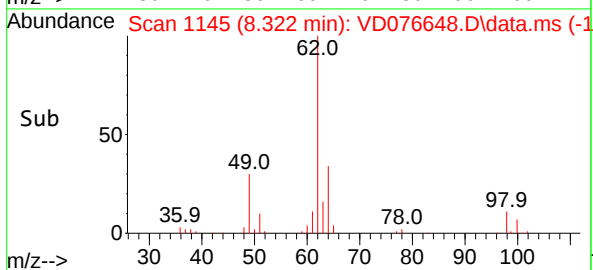
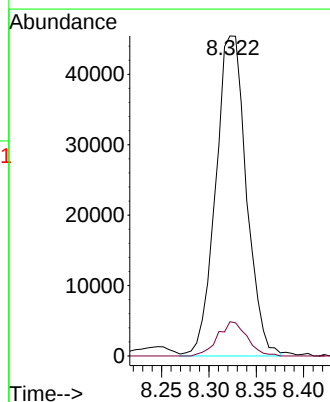
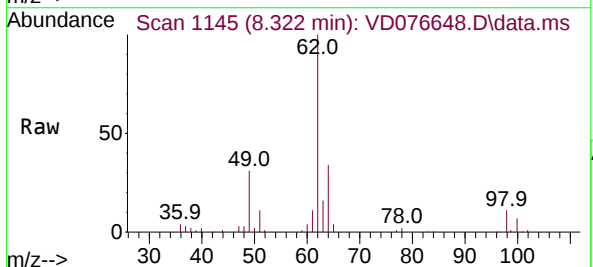
Instrument :
MSVOA_D
ClientSampleId :
A46Q2MSD

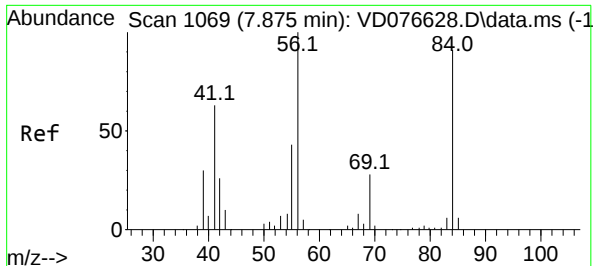
Tgt Ion: 83 Resp: 151851
Ion Ratio Lower Upper
83 100
85 70.3 45.4 84.4



#27
1,2-Dichloroethane
Concen: 28.213 ug/L
RT: 8.322 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

Tgt Ion: 62 Resp: 102590
Ion Ratio Lower Upper
62 100
98 11.2 8.7 13.1





#29

Cyclohexane

Concen: 22.494 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD076648.D

Acq: 29 Jun 2023 19:53

Instrument :

MSVOA_D

ClientSampleId :

A46Q2MSD

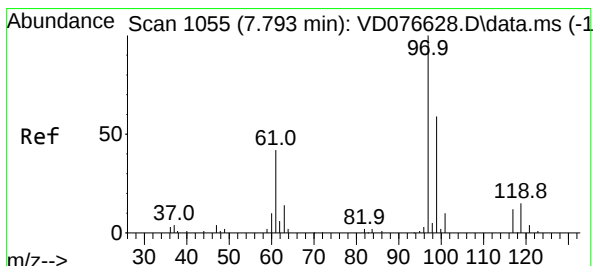
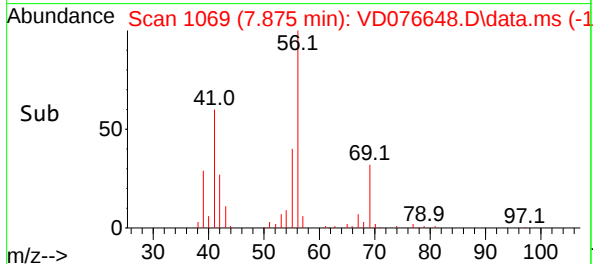
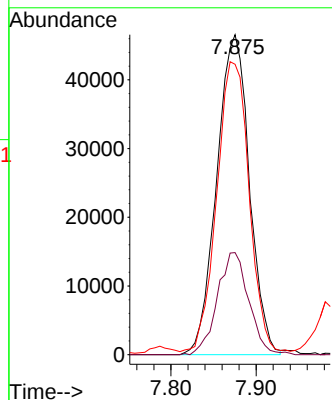
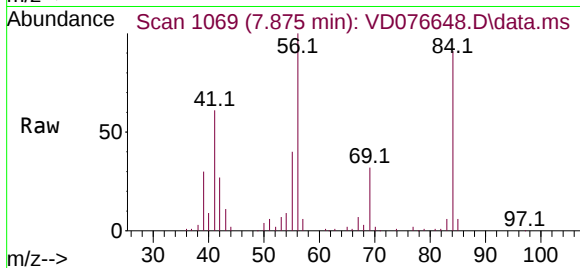
Tgt Ion: 56 Resp: 124054

Ion Ratio Lower Upper

56 100

69 30.4 23.4 35.0

84 90.9 66.3 99.5



#30

1,1,1-Trichloroethane

Concen: 26.618 ug/L

RT: 7.787 min Scan# 1054

Delta R.T. 0.000 min

Lab File: VD076648.D

Acq: 29 Jun 2023 19:53

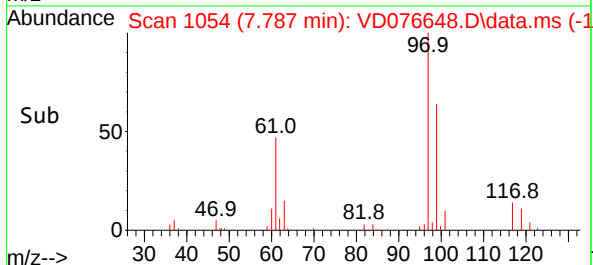
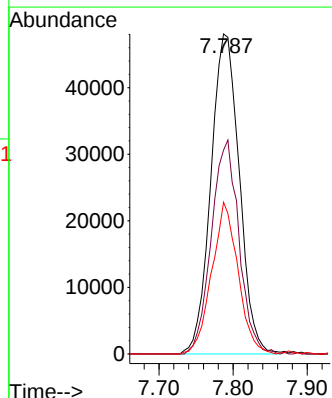
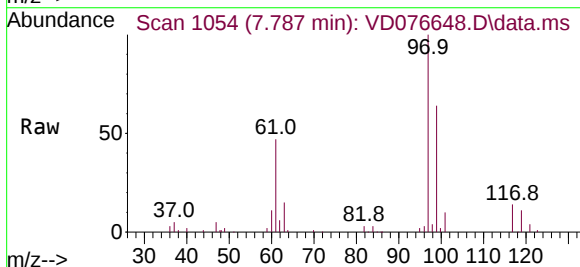
Tgt Ion: 97 Resp: 128243

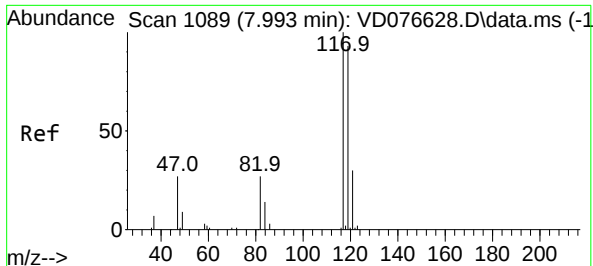
Ion Ratio Lower Upper

97 100

99 64.6 51.0 76.6

61 43.9 36.4 54.6

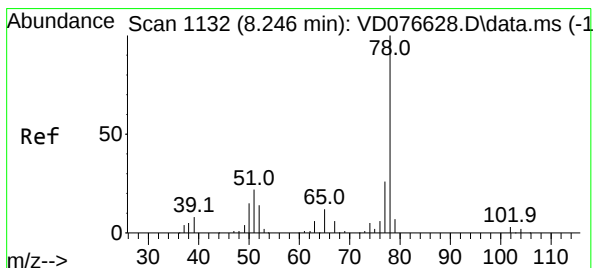
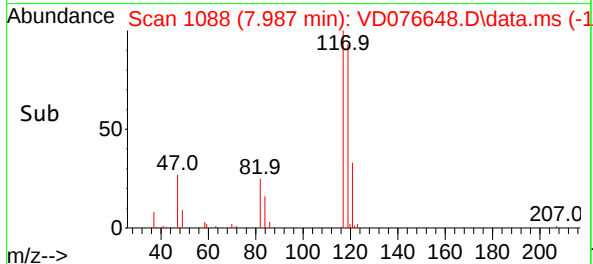
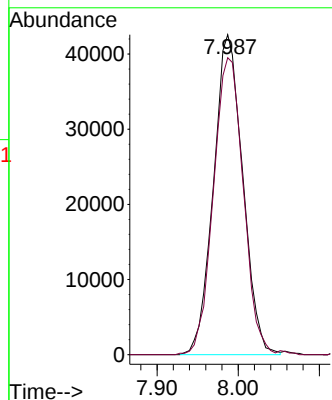
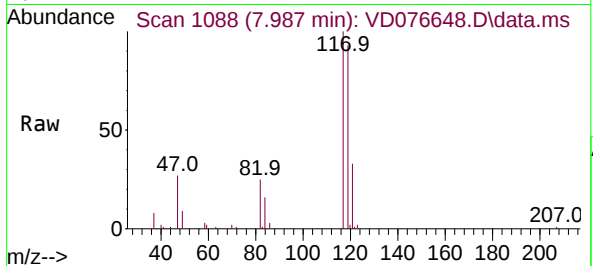




#31
Carbon tetrachloride
Concen: 27.670 ug/L
RT: 7.987 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

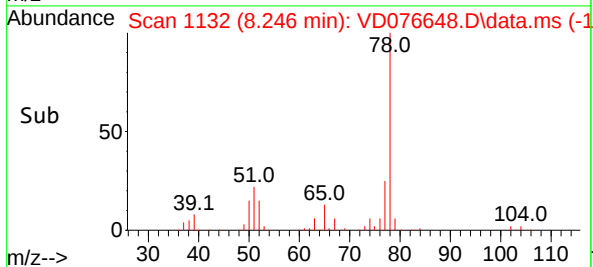
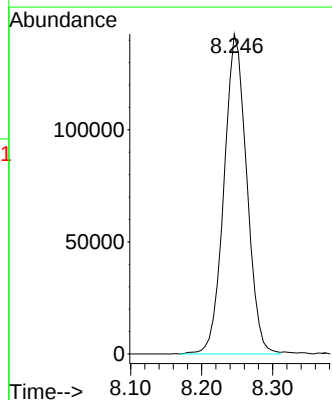
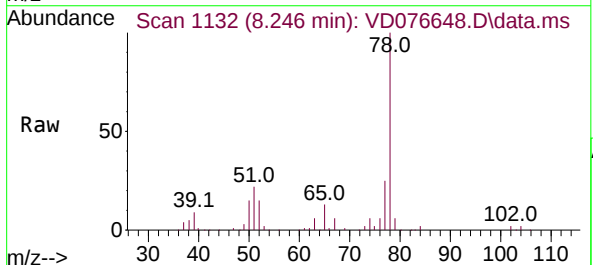
Instrument :
MSVOA_D
ClientSampleId :
A46Q2MSD

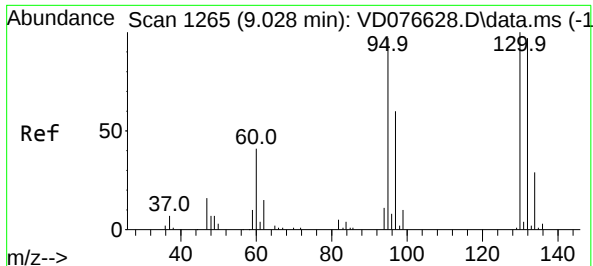
Tgt Ion:117 Resp: 106618
Ion Ratio Lower Upper
117 100
119 94.6 77.8 116.6



#33
Benzene
Concen: 23.094 ug/L
RT: 8.246 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

Tgt Ion: 78 Resp: 316991



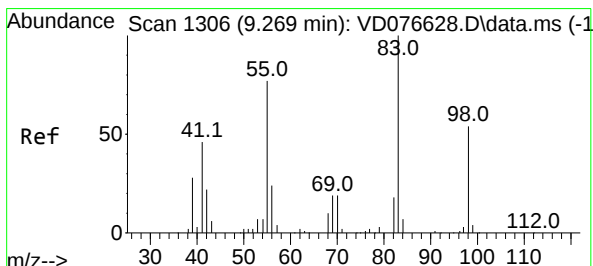
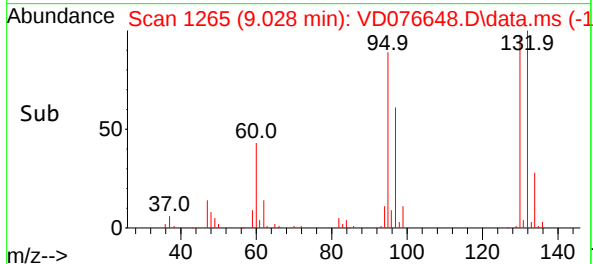
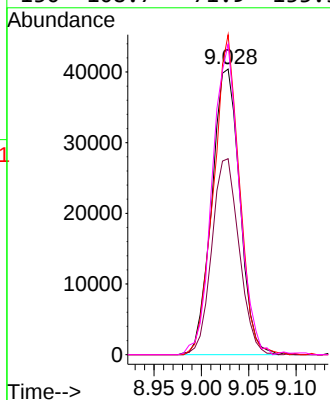
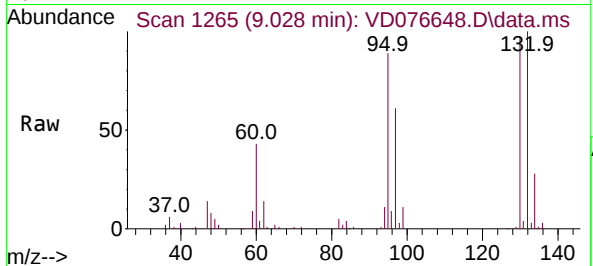


#34
Trichloroethene
Concen: 23.492 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

Instrument :
MSVOA_D
ClientSampleId :
A46Q2MSD

Tgt Ion: 95 Resp: 82834

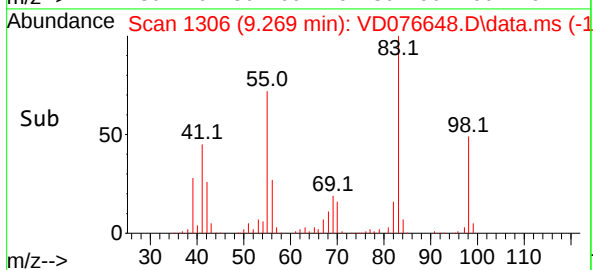
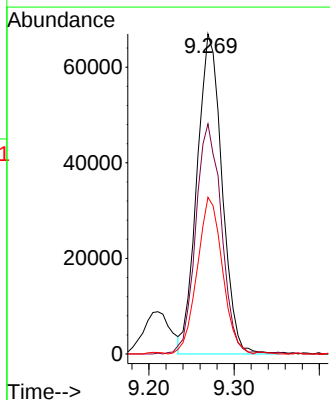
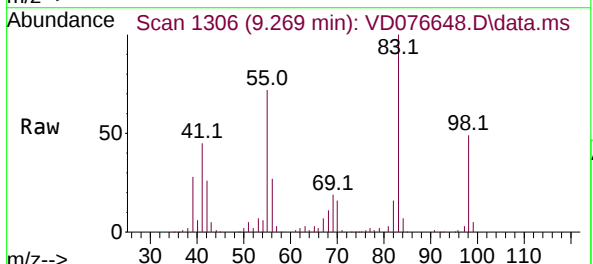
Ion	Ratio	Lower	Upper
95	100		
97	68.6	43.1	80.1
132	112.0	71.8	133.4
130	108.7	71.9	133.5

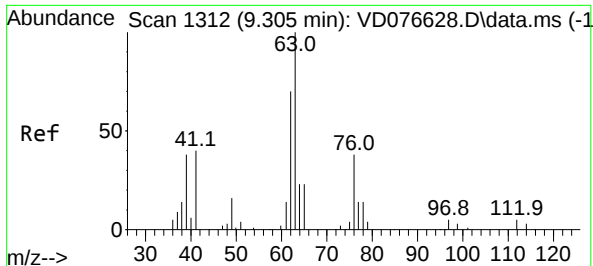


#35
Methylcyclohexane
Concen: 24.013 ug/L
RT: 9.269 min Scan# 1306
Delta R.T. 0.000 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

Tgt Ion: 83 Resp: 136537

Ion	Ratio	Lower	Upper
83	100		
55	73.4	59.8	89.6
98	49.4	37.8	56.6





#37

1,2-Dichloropropane

Concen: 22.838 ug/L

RT: 9.305 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD076648.D

Acq: 29 Jun 2023 19:53

Instrument :

MSVOA_D

ClientSampleId :

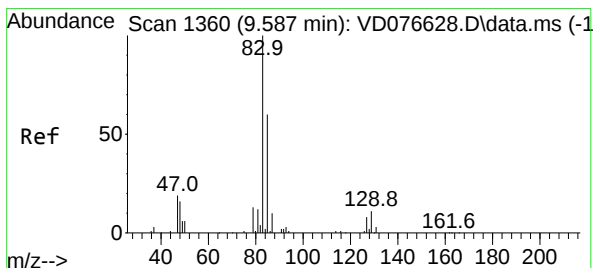
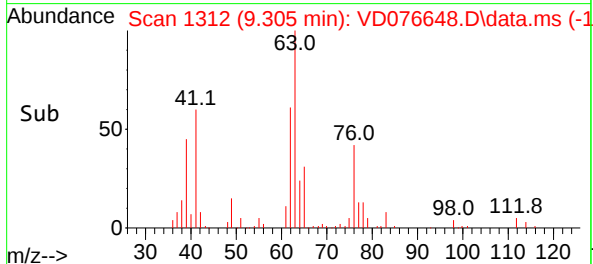
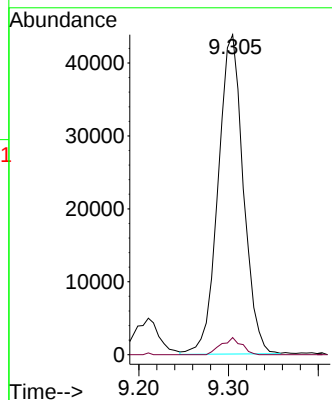
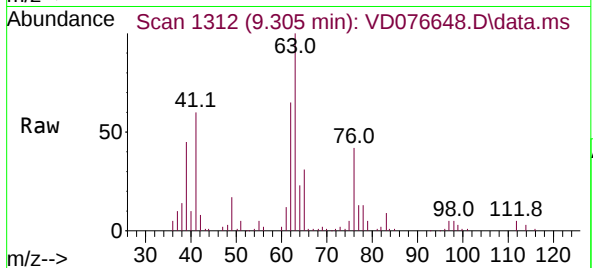
A46Q2MSD

Tgt Ion: 63 Resp: 85466

Ion Ratio Lower Upper

63 100

112 4.3 3.1 4.7



#38

Bromodichloromethane

Concen: 27.267 ug/L

RT: 9.581 min Scan# 1359

Delta R.T. 0.000 min

Lab File: VD076648.D

Acq: 29 Jun 2023 19:53

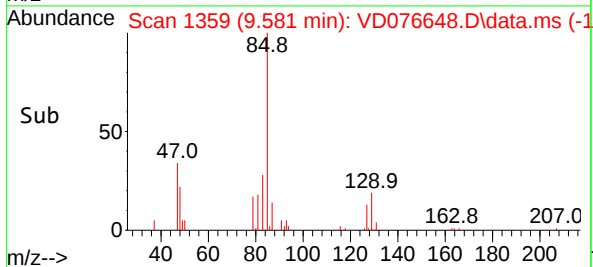
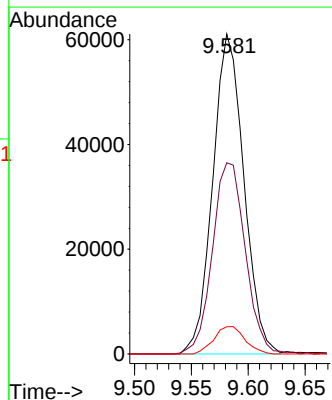
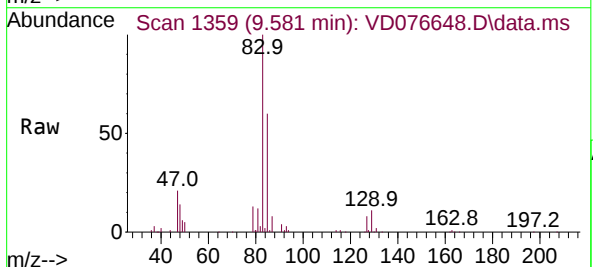
Tgt Ion: 83 Resp: 116382

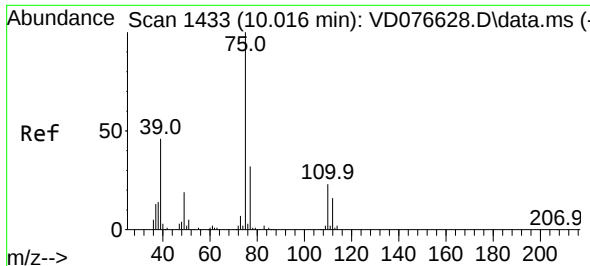
Ion Ratio Lower Upper

83 100

85 59.8 43.9 81.5

127 8.5 6.6 9.8

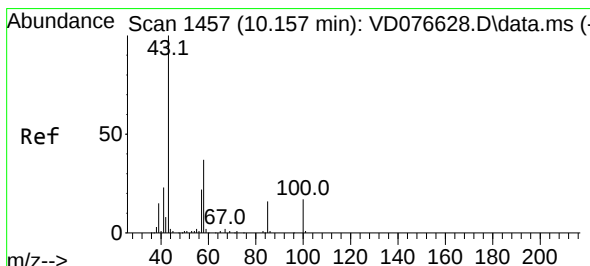
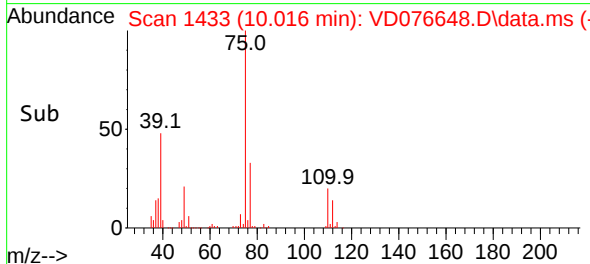
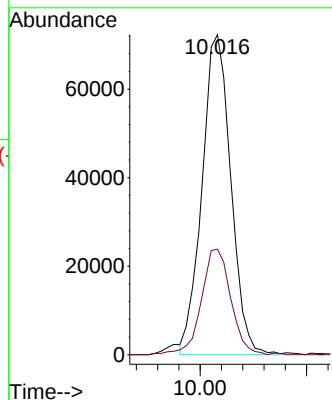
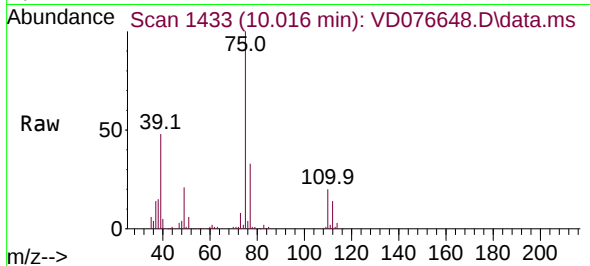




#39
cis-1,3-Dichloropropene
Concen: 23.773 ug/L
RT: 10.016 min Scan# 1433
Delta R.T. 0.000 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

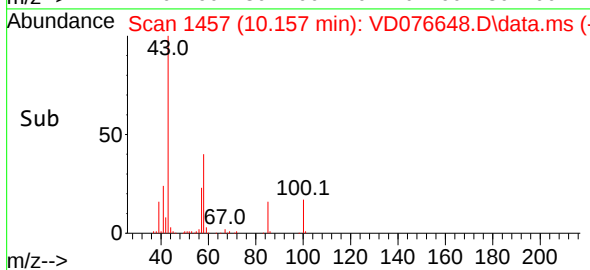
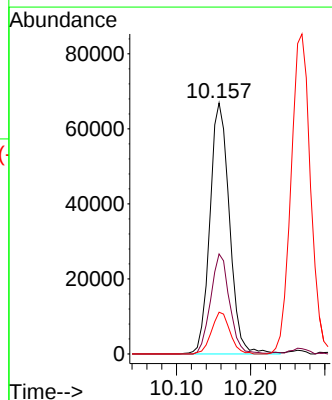
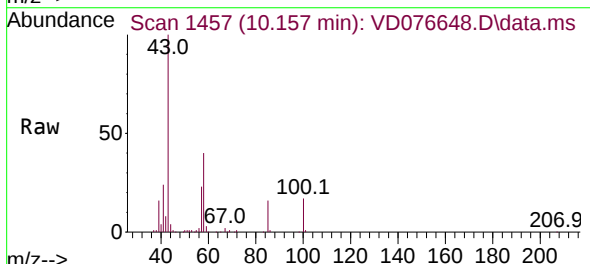
Instrument :
MSVOA_D
ClientSampleId :
A46Q2MSD

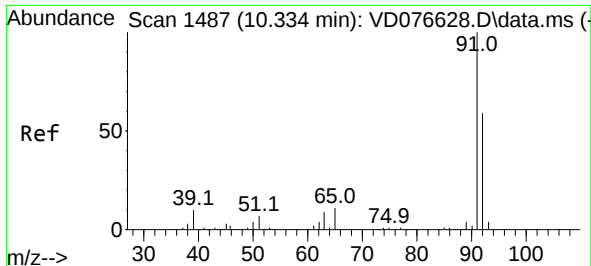
Tgt Ion: 75 Resp: 135847
Ion Ratio Lower Upper
75 100
77 32.9 22.7 42.3



#40
4-Methyl-2-pentanone
Concen: 52.600 ug/L
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

Tgt Ion: 43 Resp: 122452
Ion Ratio Lower Upper
43 100
58 38.6 30.7 46.1
100 15.8 11.0 16.4

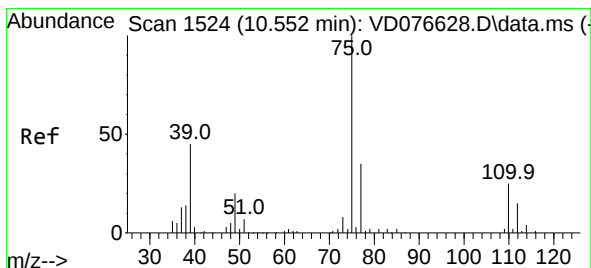
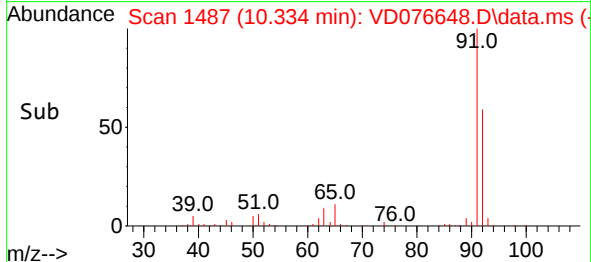
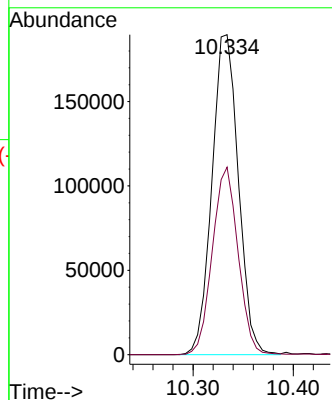
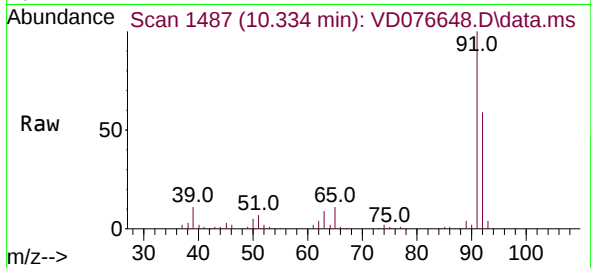




#42
Toluene
Concen: 23.691 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

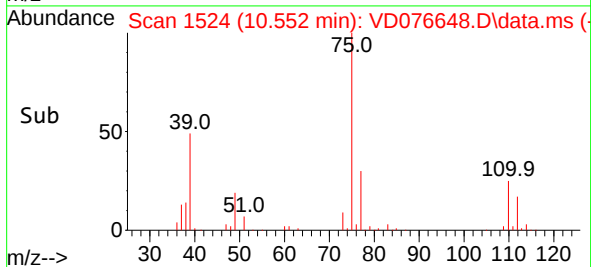
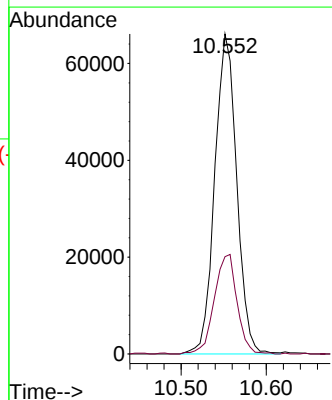
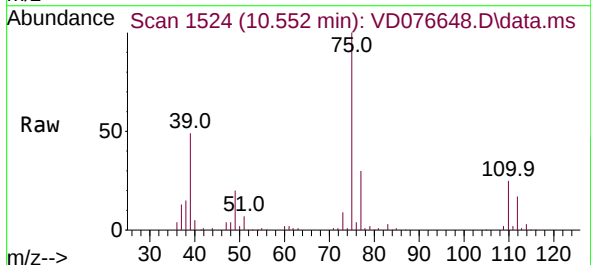
Instrument :
MSVOA_D
ClientSampleId :
A46Q2MSD

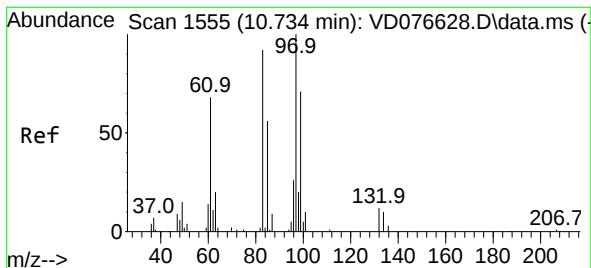
Tgt Ion: 91 Resp: 347508
Ion Ratio Lower Upper
91 100
92 58.6 39.3 73.1



#44
trans-1,3-Dichloropropene
Concen: 25.466 ug/L
RT: 10.552 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

Tgt Ion: 75 Resp: 118280
Ion Ratio Lower Upper
75 100
77 30.4 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 26.036 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD076648.D

Acq: 29 Jun 2023 19:53

Instrument :

MSVOA_D

ClientSampleId :

A46Q2MSD

Tgt Ion: 97 Resp: 66830

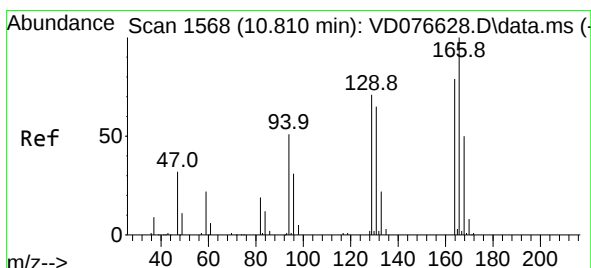
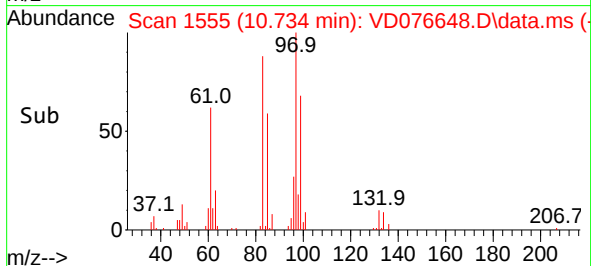
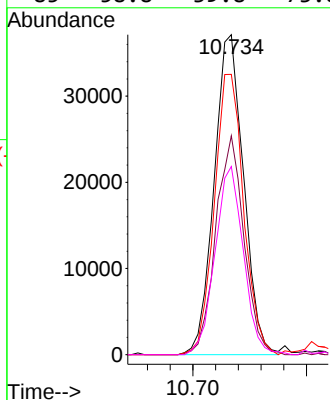
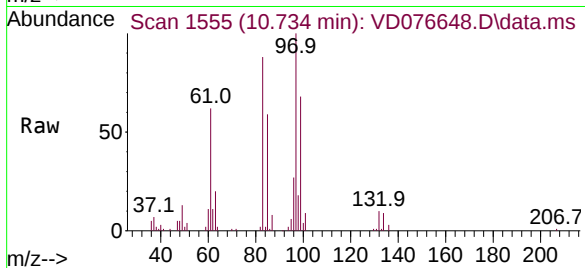
Ion Ratio Lower Upper

97 100

99 68.4 41.9 77.9

83 87.6 59.2 110.0

85 58.8 39.8 73.8



#46

Tetrachloroethene

Concen: 23.349 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD076648.D

Acq: 29 Jun 2023 19:53

Tgt Ion:164 Resp: 64724

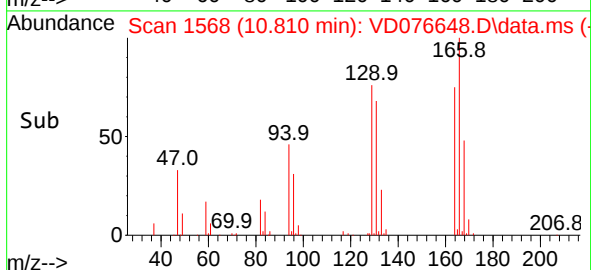
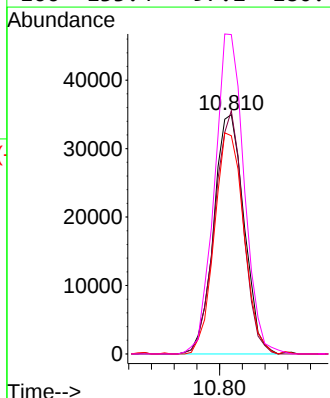
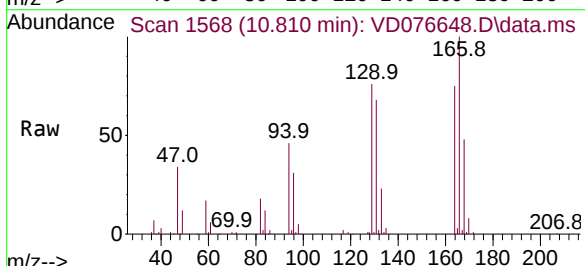
Ion Ratio Lower Upper

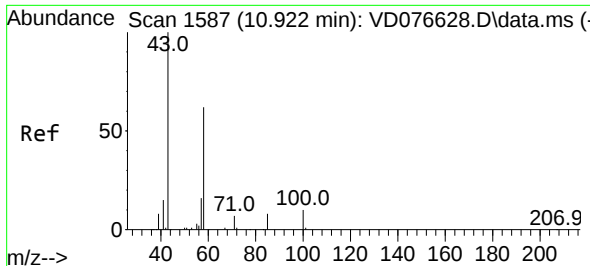
164 100

129 101.6 65.5 121.6

131 91.2 64.8 120.3

166 133.4 97.2 180.4

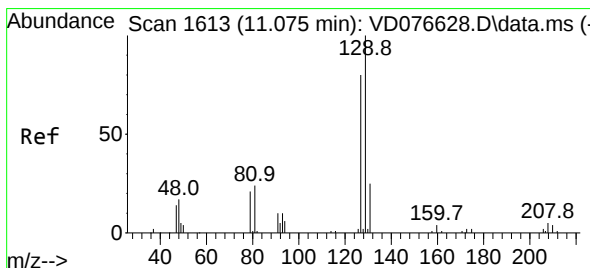
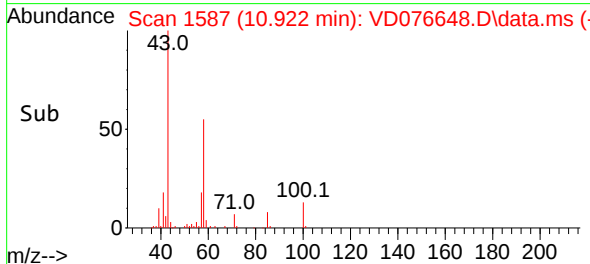
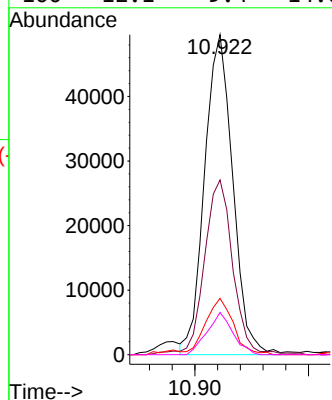
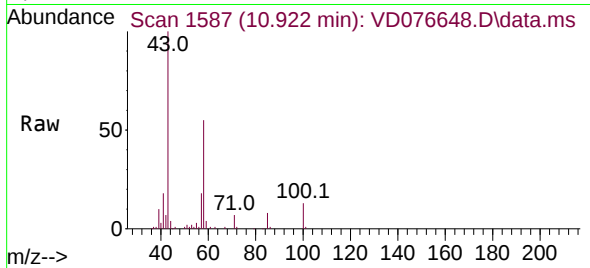




#48
2-Hexanone
Concen: 53.537 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

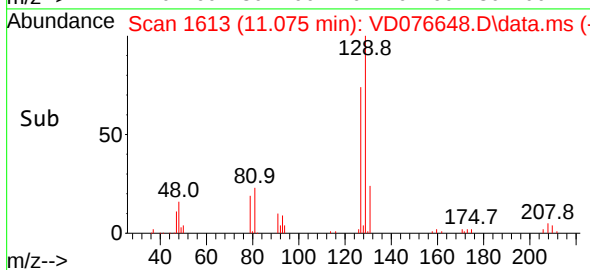
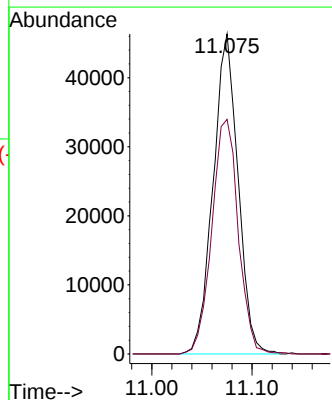
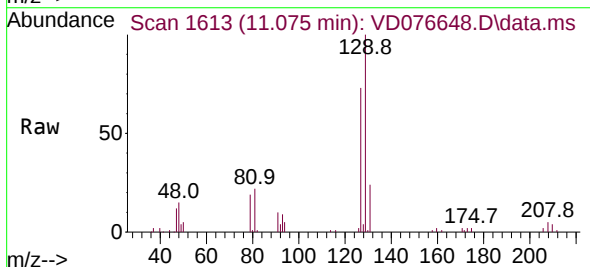
Instrument :
MSVOA_D
ClientSampleId :
A46Q2MSD

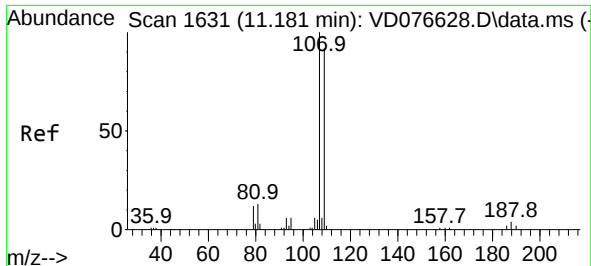
Tgt Ion:	43	Resp:	85359
Ion	Ratio	Lower	Upper
43	100		
58	54.4	42.9	64.3
57	17.4	13.7	20.5
100	12.1	9.4	14.0



#49
Dibromochloromethane
Concen: 27.388 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

Tgt Ion:	129	Resp:	79891
Ion	Ratio	Lower	Upper
129	100		
127	73.3	55.2	102.6

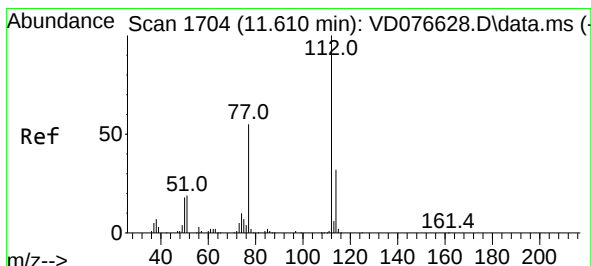
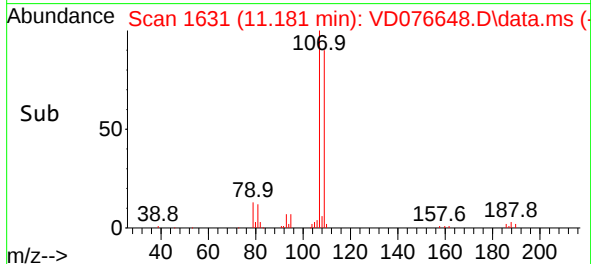
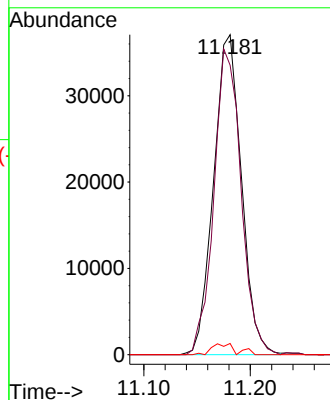
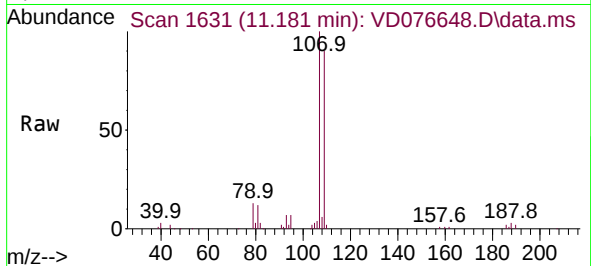




#50
1,2-Dibromoethane
Concen: 26.994 ug/L
RT: 11.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

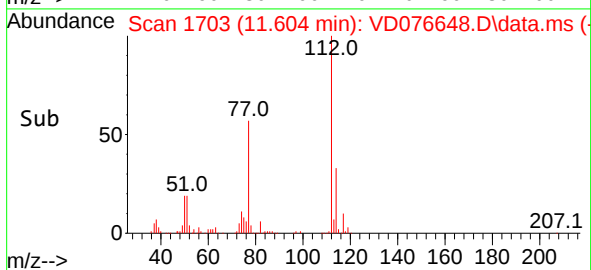
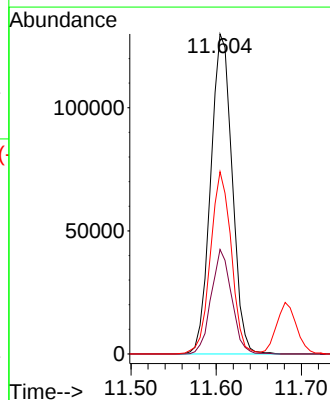
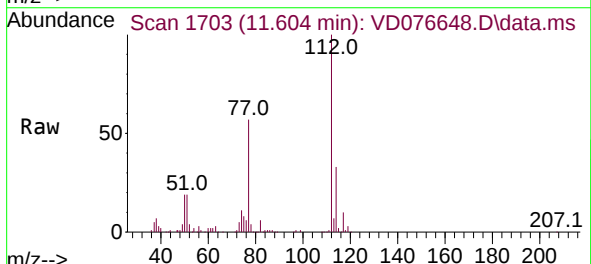
Instrument :
MSVOA_D
ClientSampleId :
A46Q2MSD

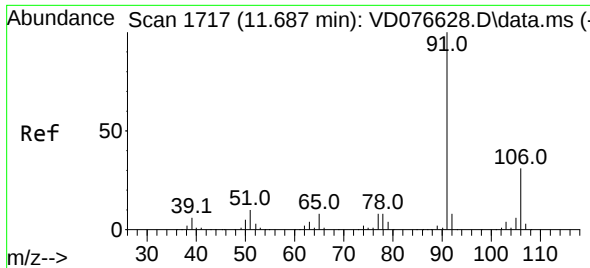
Tgt Ion:107 Resp: 67250
Ion Ratio Lower Upper
107 100
109 90.5 58.8 109.2
188 3.5 2.9 4.3



#51
Chlorobenzene
Concen: 24.878 ug/L
RT: 11.604 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

Tgt Ion:112 Resp: 227830
Ion Ratio Lower Upper
112 100
114 32.7 21.5 39.9
77 57.0 43.4 65.2

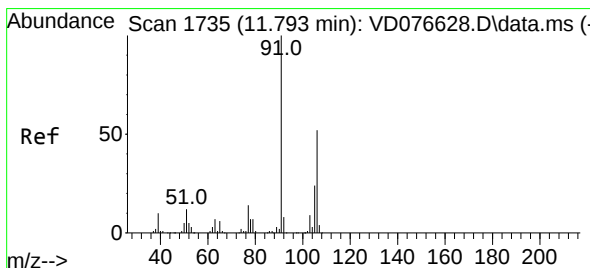
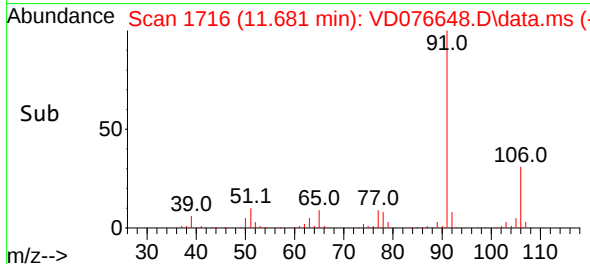
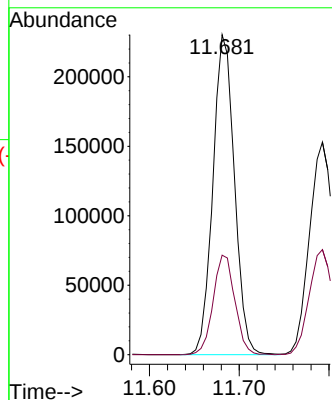
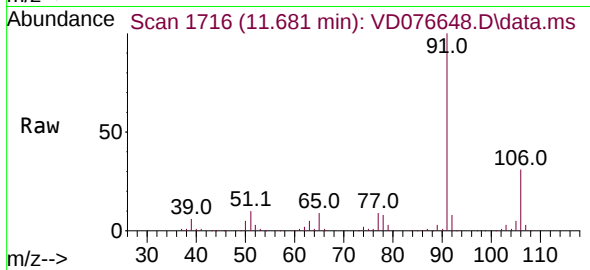




#52
Ethylbenzene
Concen: 24.282 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

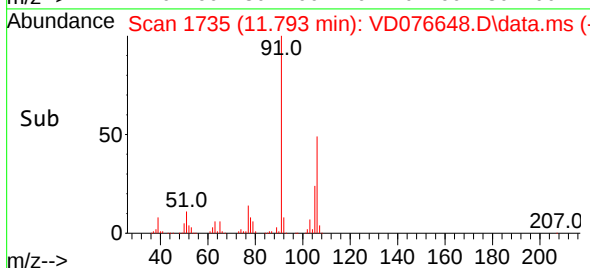
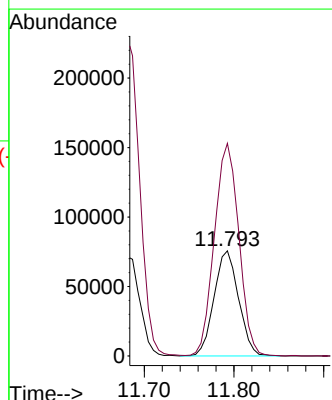
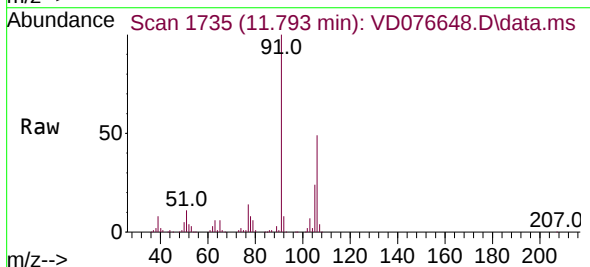
Instrument :
MSVOA_D
ClientSampleId :
A46Q2MSD

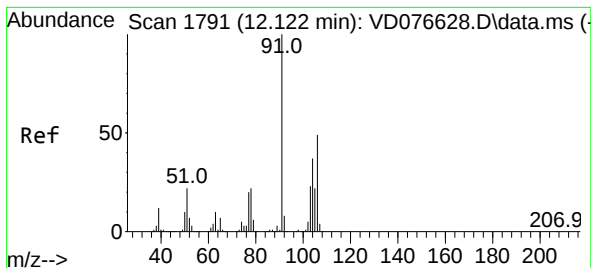
Tgt Ion: 91 Resp: 383897
Ion Ratio Lower Upper
91 100
106 31.1 22.4 41.6



#53
m,p-Xylene
Concen: 23.112 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

Tgt Ion:106 Resp: 143596
Ion Ratio Lower Upper
106 100
91 202.2 141.5 262.9





#54

o-Xylene

Concen: 23.148 ug/L

RT: 12.116 min Scan# 1790

Delta R.T. -0.006 min

Lab File: VD076648.D

Acq: 29 Jun 2023 19:53

Instrument :

MSVOA_D

ClientSampleId :

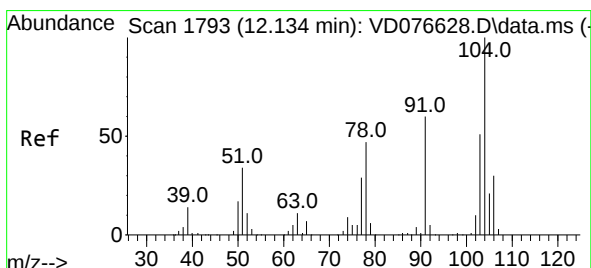
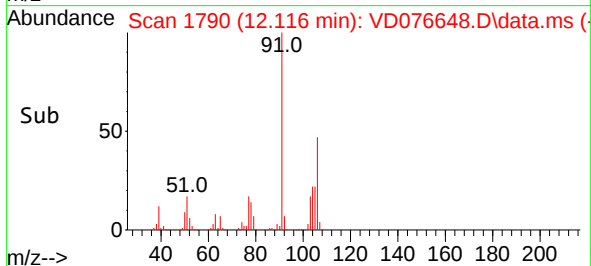
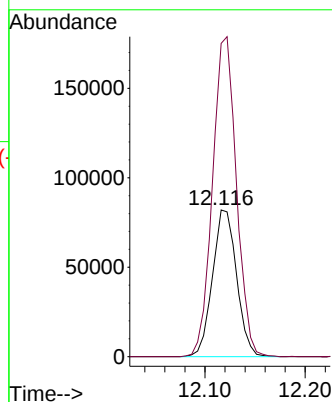
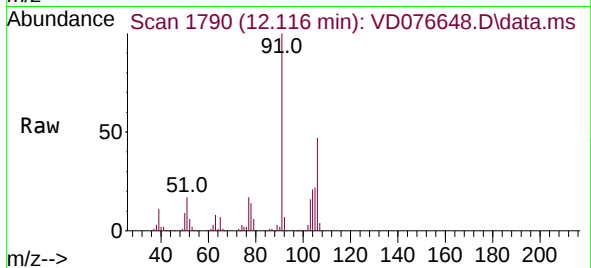
A46Q2MSD

Tgt Ion:106 Resp: 136938

Ion Ratio Lower Upper

106 100

91 213.6 142.2 264.2



#55

Styrene

Concen: 24.277 ug/L

RT: 12.134 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VD076648.D

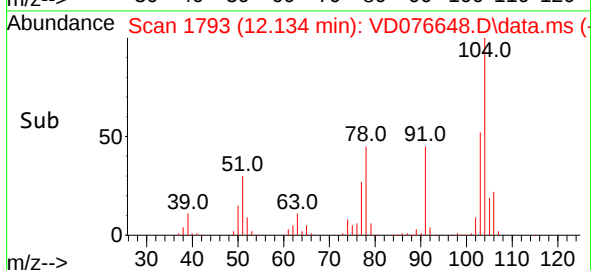
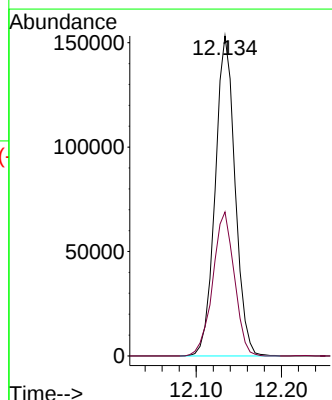
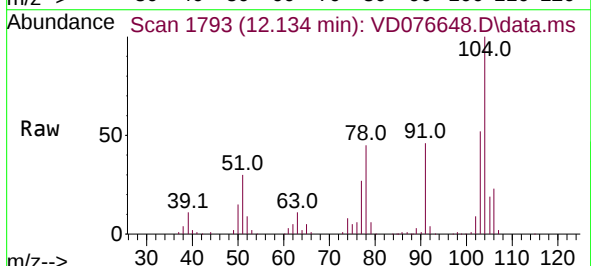
Acq: 29 Jun 2023 19:53

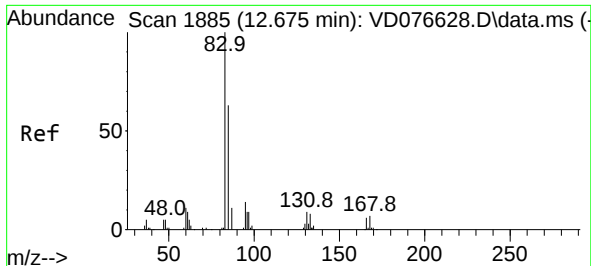
Tgt Ion:104 Resp: 248127

Ion Ratio Lower Upper

104 100

78 45.0 31.3 58.1





#57

1,1,2,2-Tetrachloroethane

Concen: 27.310 ug/L

RT: 12.669 min Scan# 1884

Delta R.T. -0.006 min

Lab File: VD076648.D

Acq: 29 Jun 2023 19:53

Instrument :

MSVOA_D

ClientSampleId :

A46Q2MSD

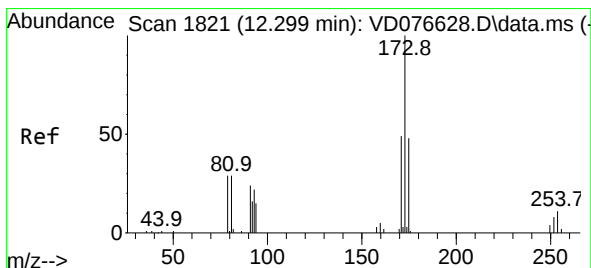
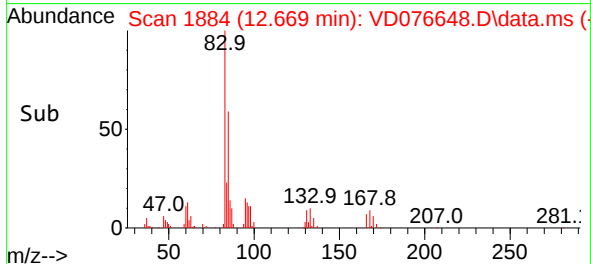
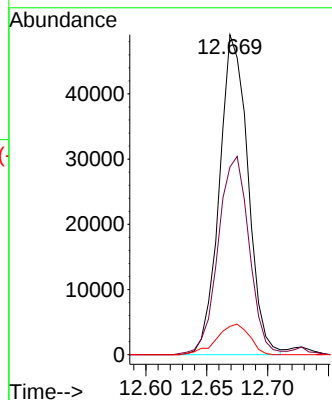
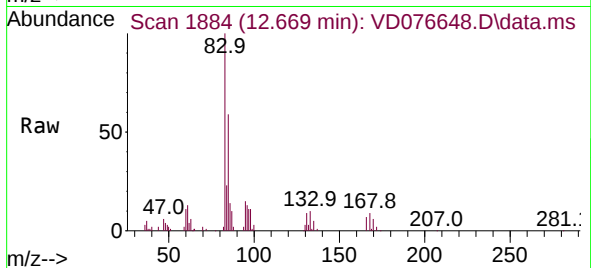
Tgt Ion: 83 Resp: 80115

Ion Ratio Lower Upper

83 100

85 58.6 46.3 86.1

131 8.9 7.0 10.4



#59

Bromoform

Concen: 25.908 ug/L

RT: 12.299 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD076648.D

Acq: 29 Jun 2023 19:53

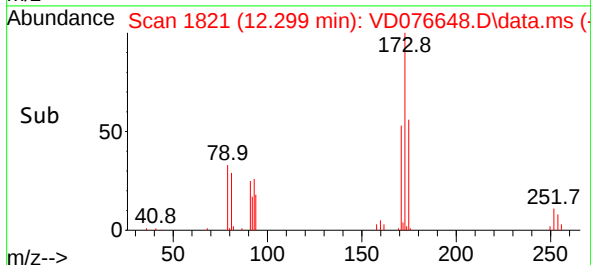
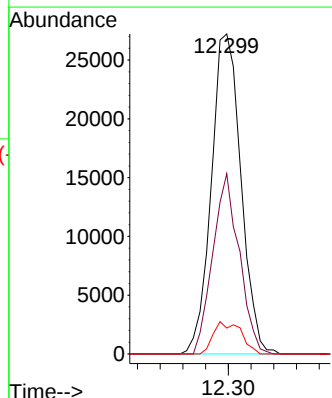
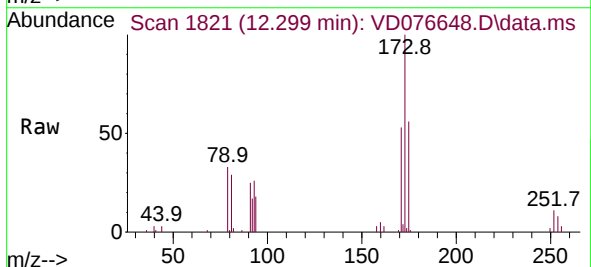
Tgt Ion: 173 Resp: 49312

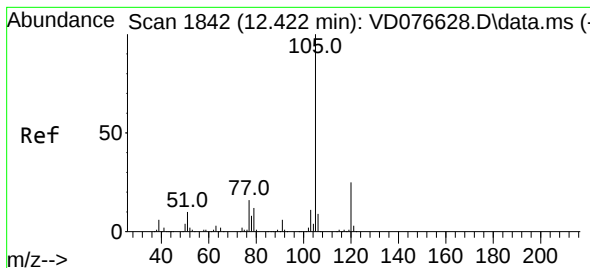
Ion Ratio Lower Upper

173 100

175 50.2 39.0 58.4

254 5.1 5.3 7.9#





#60

Isopropylbenzene

Concen: 22.999 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD076648.D

Acq: 29 Jun 2023 19:53

Instrument :

MSVOA_D

ClientSampleId :

A46Q2MSD

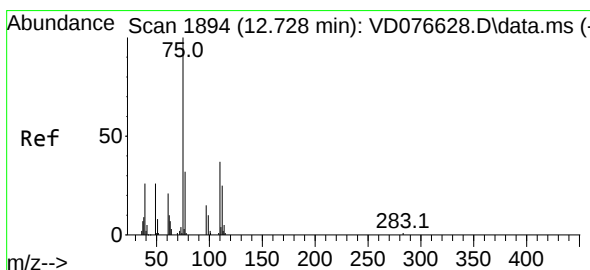
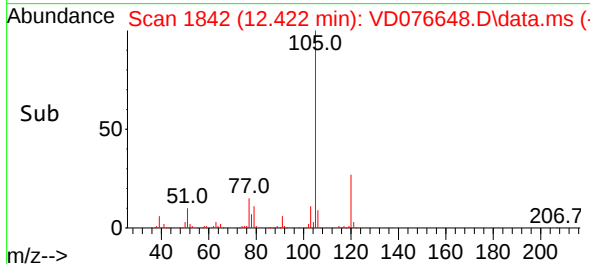
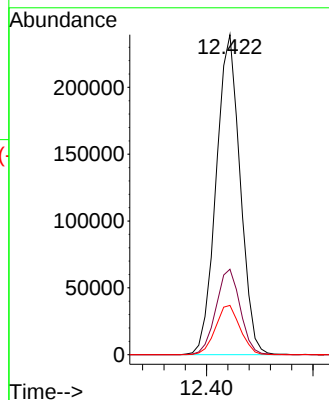
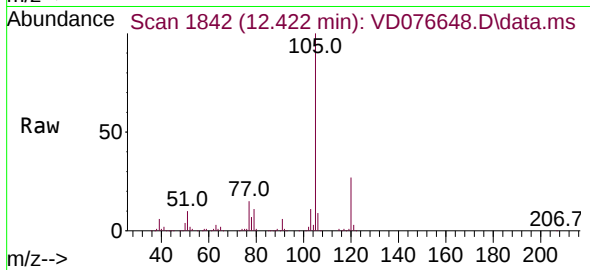
Tgt Ion:105 Resp: 374029

Ion Ratio Lower Upper

105 100

120 27.0 21.3 31.9

77 15.8 12.2 18.4



#61

1,2,3-Trichloropropane

Concen: 27.829 ug/L

RT: 12.728 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VD076648.D

Acq: 29 Jun 2023 19:53

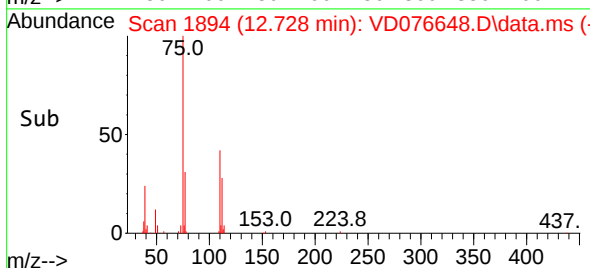
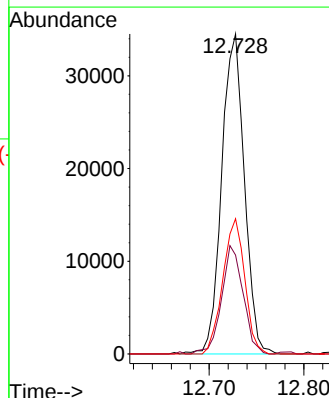
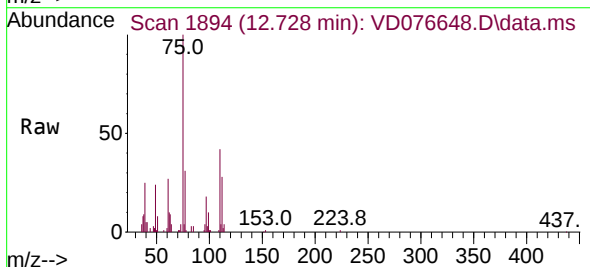
Tgt Ion: 75 Resp: 57424

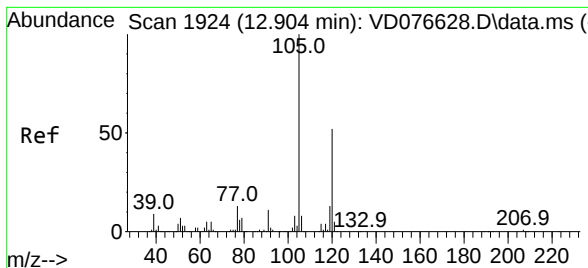
Ion Ratio Lower Upper

75 100

77 31.6 27.2 40.8

110 40.8 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 23.073 ug/L

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD076648.D

Acq: 29 Jun 2023 19:53

Instrument :

MSVOA_D

ClientSampleId :

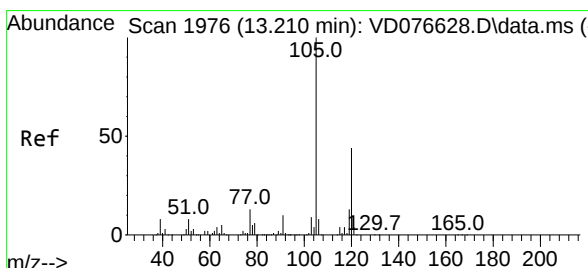
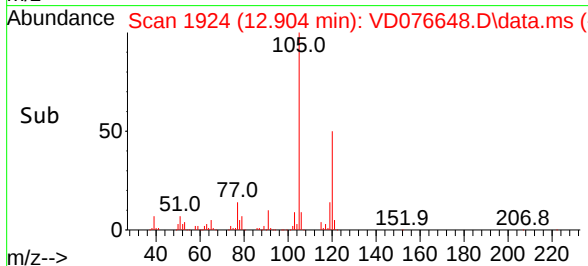
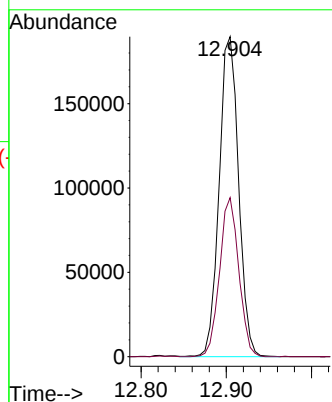
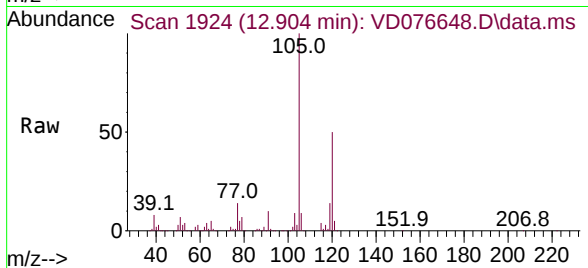
A46Q2MSD

Tgt Ion:105 Resp: 300204

Ion Ratio Lower Upper

105 100

120 49.1 39.8 59.6



#63

1,2,4-Trimethylbenzene

Concen: 23.123 ug/L

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD076648.D

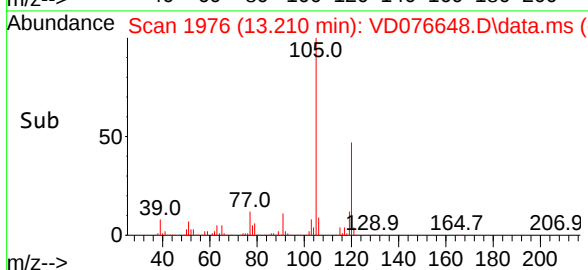
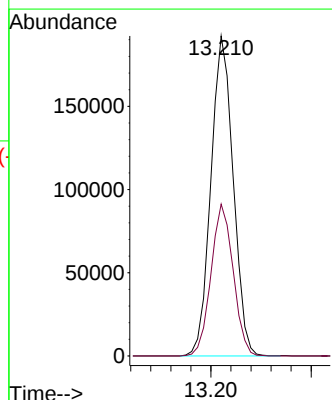
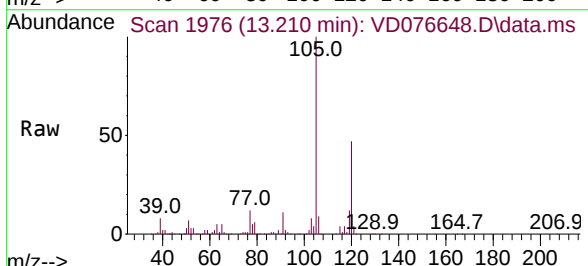
Acq: 29 Jun 2023 19:53

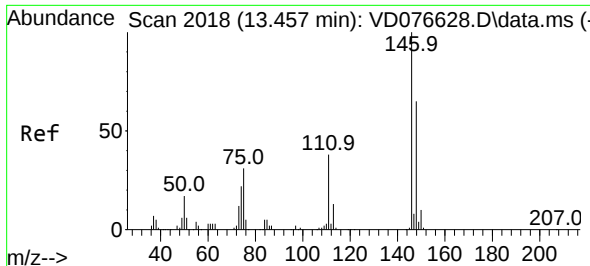
Tgt Ion:105 Resp: 296894

Ion Ratio Lower Upper

105 100

120 47.1 37.5 56.3

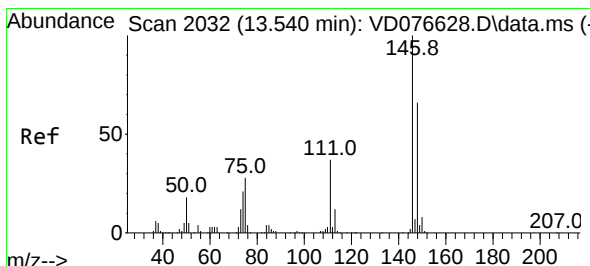
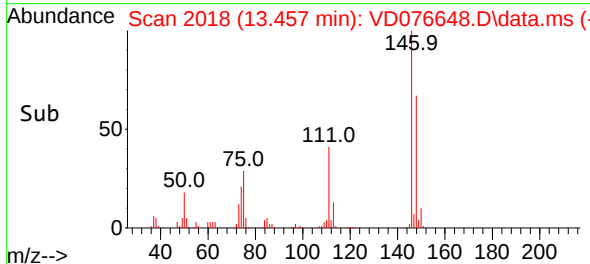
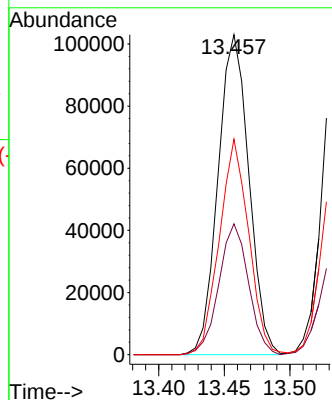
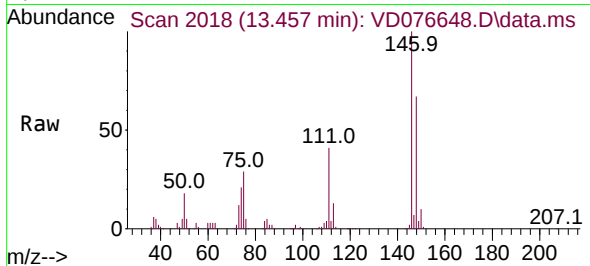




#64
1,3-Dichlorobenzene
Concen: 23.276 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

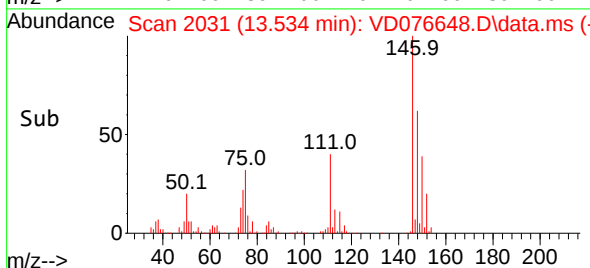
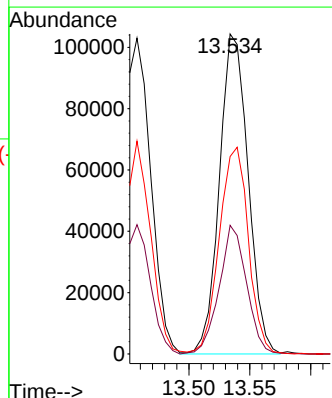
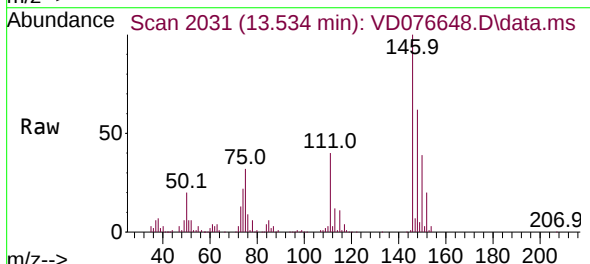
Instrument :
MSVOA_D
ClientSampleId :
A46Q2MSD

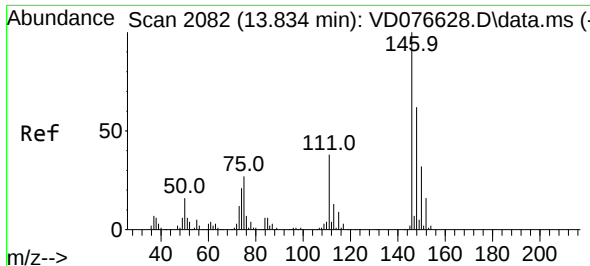
Tgt Ion:146 Resp: 168400
Ion Ratio Lower Upper
146 100
111 40.9 25.6 47.4
148 67.4 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 23.490 ug/L
RT: 13.534 min Scan# 2031
Delta R.T. -0.006 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

Tgt Ion:146 Resp: 171310
Ion Ratio Lower Upper
146 100
111 40.2 25.7 47.7
148 61.7 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 24.340 ug/L

RT: 13.828 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VD076648.D

Acq: 29 Jun 2023 19:53

Instrument :

MSVOA_D

ClientSampleId :

A46Q2MSD

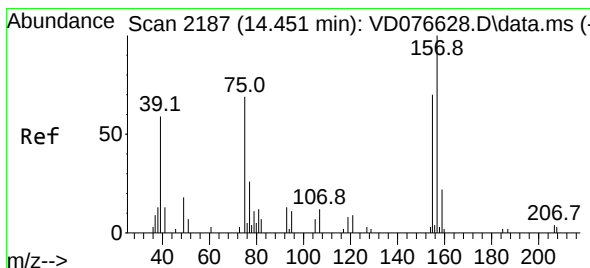
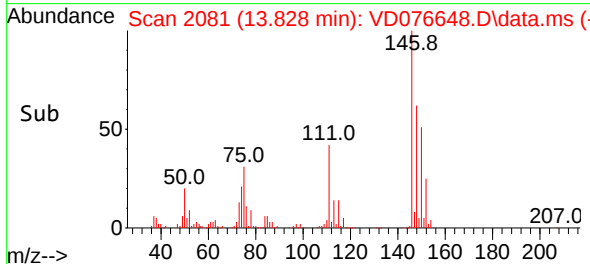
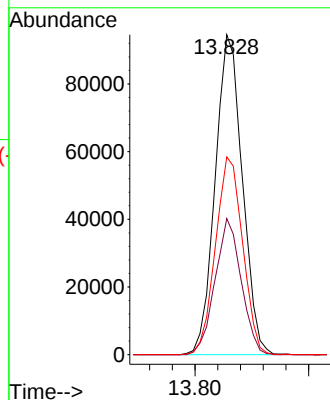
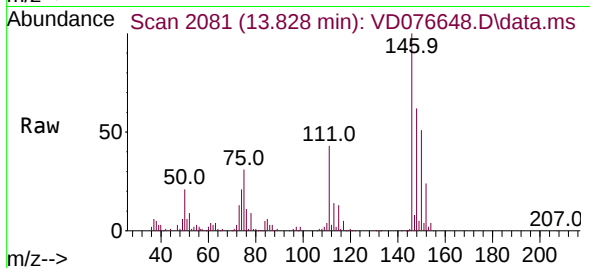
Tgt Ion:146 Resp: 156880

Ion Ratio Lower Upper

146 100

111 42.6 31.3 46.9

148 61.8 51.7 77.5



#68

1,2-Dibromo-3-chloropropane

Concen: 28.820 ug/L

RT: 14.445 min Scan# 2186

Delta R.T. 0.000 min

Lab File: VD076648.D

Acq: 29 Jun 2023 19:53

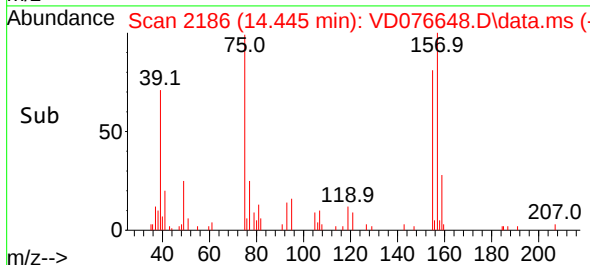
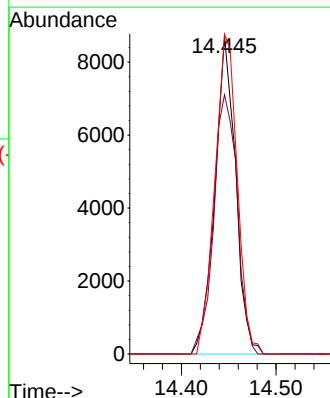
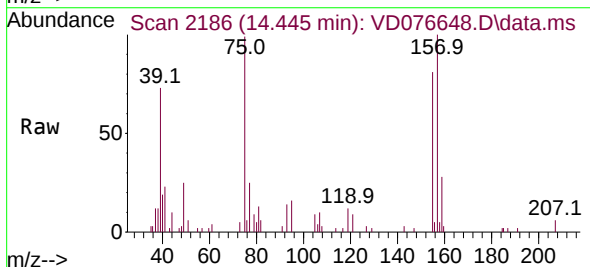
Tgt Ion: 75 Resp: 13253

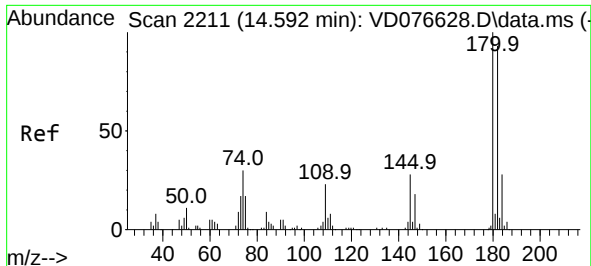
Ion Ratio Lower Upper

75 100

155 86.2 76.2 114.4

157 100.7 89.4 134.2

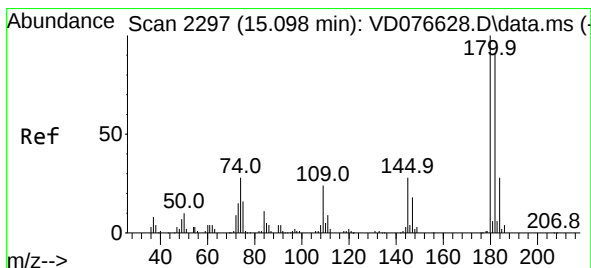
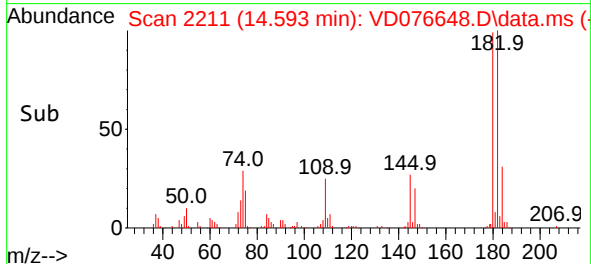
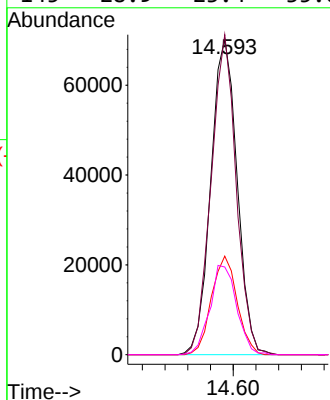
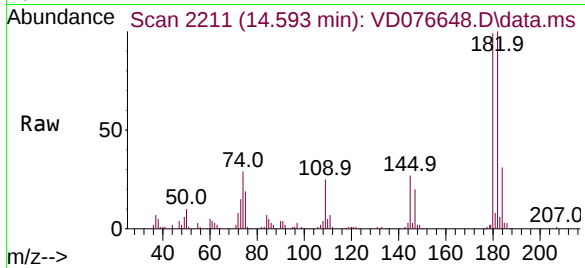




#69
 1,3,5-Trichlorobenzene
 Concen: 23.427 ug/L
 RT: 14.593 min Scan# 211
 Delta R.T. 0.000 min
 Lab File: VD076648.D
 Acq: 29 Jun 2023 19:53

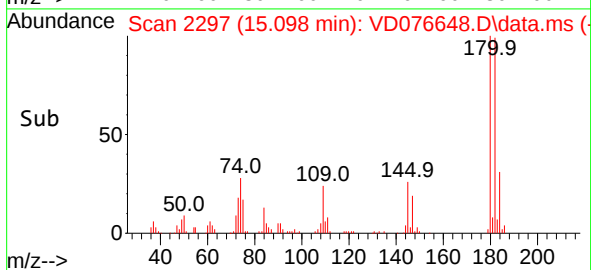
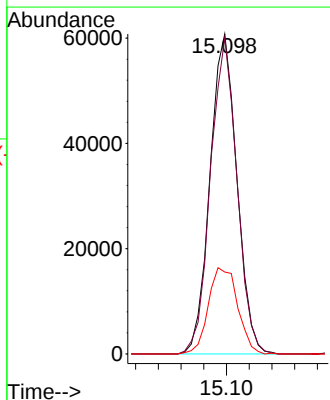
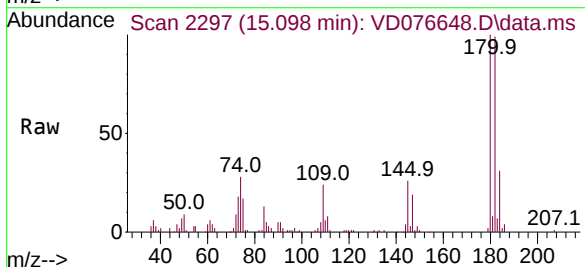
Instrument :
 MSVOA_D
 ClientSampleId :
 A46Q2MSD

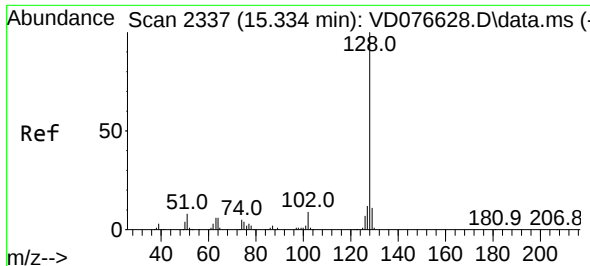
Tgt Ion:180 Resp: 113053
 Ion Ratio Lower Upper
 180 100
 182 96.4 77.1 115.7
 184 30.5 25.0 37.4
 145 28.9 23.4 35.0



#70
 1,2,4-trichlorobenzene
 Concen: 23.302 ug/L
 RT: 15.098 min Scan# 2297
 Delta R.T. 0.000 min
 Lab File: VD076648.D
 Acq: 29 Jun 2023 19:53

Tgt Ion:180 Resp: 100053
 Ion Ratio Lower Upper
 180 100
 182 96.8 76.9 115.3
 145 29.3 23.5 35.3

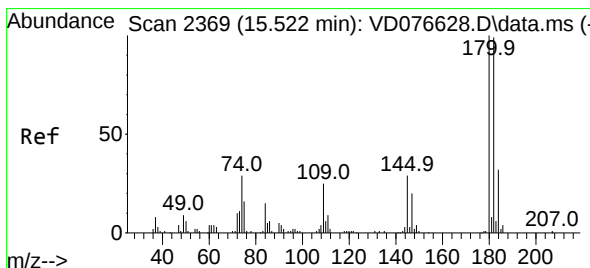
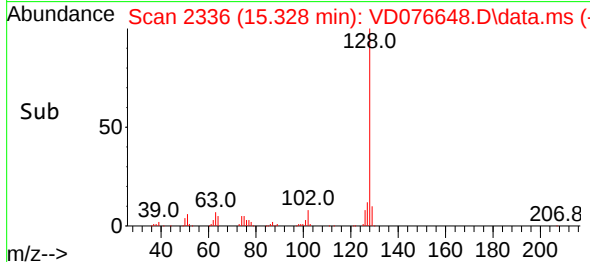
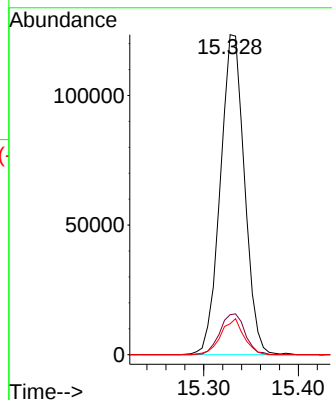
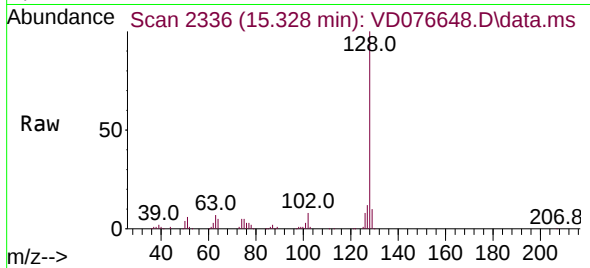




#71
Naphthalene
Concen: 26.613 ug/L
RT: 15.328 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

Instrument :
MSVOA_D
ClientSampleId :
A46Q2MSD

Tgt Ion:128 Resp: 218782
Ion Ratio Lower Upper
128 100
127 13.3 10.8 16.2
129 10.7 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 24.533 ug/L
RT: 15.522 min Scan# 2369
Delta R.T. 0.000 min
Lab File: VD076648.D
Acq: 29 Jun 2023 19:53

Tgt Ion:180 Resp: 91476
Ion Ratio Lower Upper
180 100
182 93.7 74.3 111.5
145 31.2 25.0 37.6

