

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052322\
 Data File : VD073286.D
 Acq On : 23 May 2022 16:44
 Operator : VA/SY
 Sample : N2870-04
 Misc : 5.65G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P033-SS001-1824-01

Quant Time: May 24 03:27:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

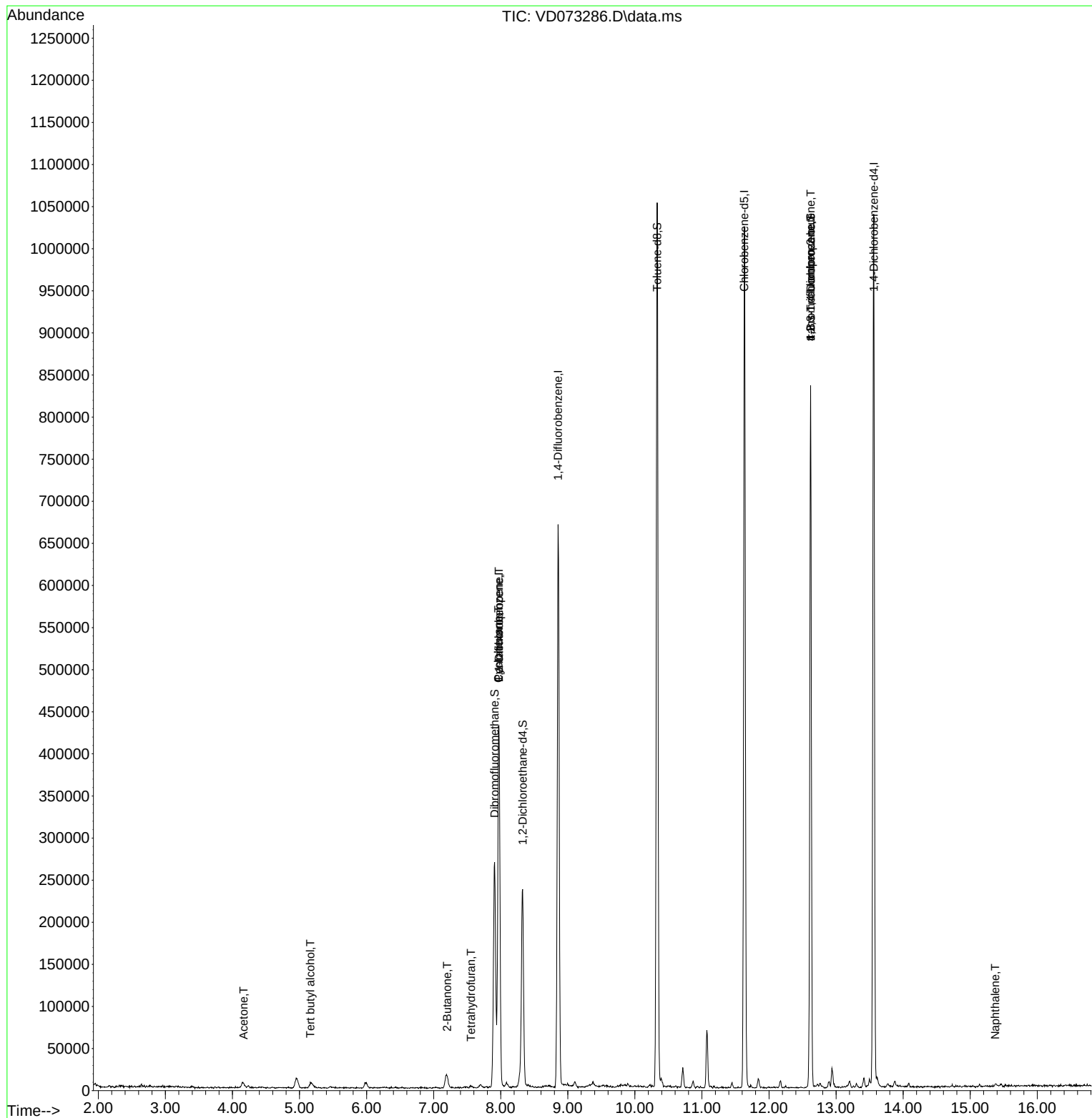
Internal Standards						
1) Pentafluorobenzene	7.973	168	320449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	569787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	600928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	279405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	180464	50.958	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.920%	
35) Dibromofluoromethane	7.909	113	193783	51.540	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.080%	
50) Toluene-d8	10.332	98	707631	51.057	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.120%	
62) 4-Bromofluorobenzene	12.620	95	266134	54.716	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.440%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	806	Below Cal	#	59
11) Tert butyl alcohol	5.162	59	3480	6.334	ug/l #	74
16) Acetone	4.168	43	11224	18.298	ug/l	93
20) Methylene Chloride	4.962	84	9011	Below Cal		84
25) 2-Butanone	7.203	43	3278	3.653	ug/l	95
29) Tetrahydrofuran	7.556	42	943	1.625	ug/l #	59
31) Cyclohexane	7.967	56	7418	1.199	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	26233	4.639	ug/l #	52
76) 1,2,3-Trichloropropane	12.620	75	137066	49.998	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	137066	120.029	ug/l #	7
95) Naphthalene	15.373	128	3980	3.946	ug/l #	85

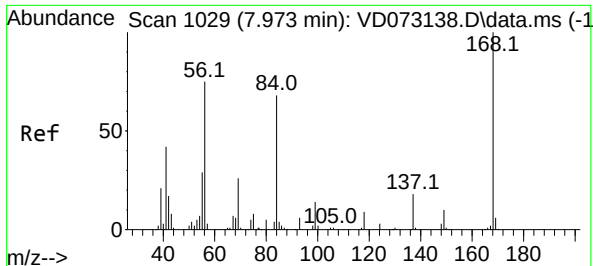
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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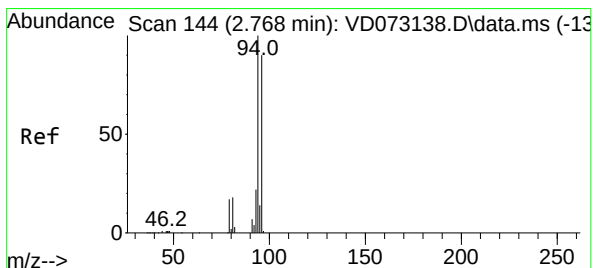
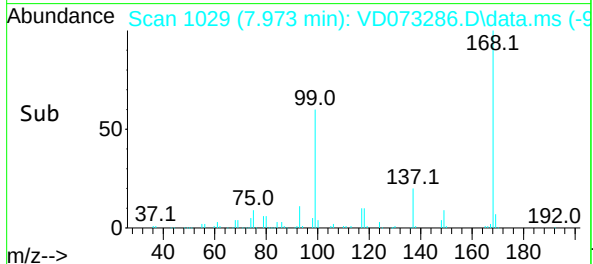
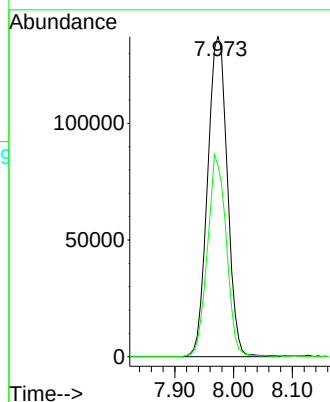
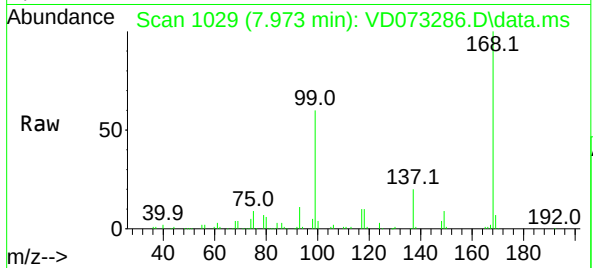




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073286.D
Acq: 23 May 2022 16:44

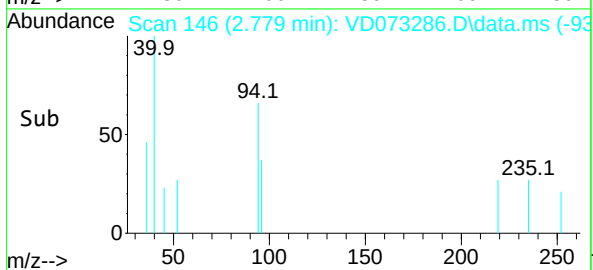
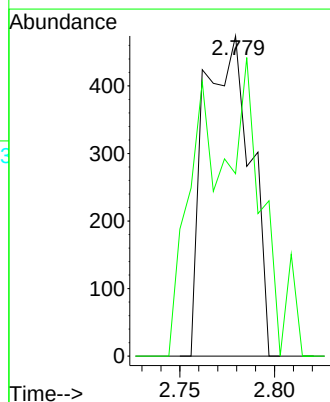
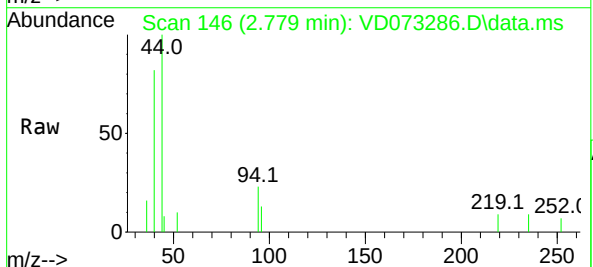
Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-1824-01

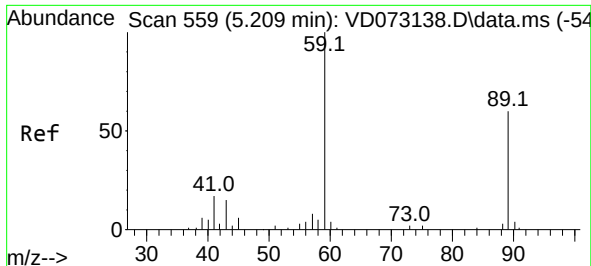
Tgt Ion:168 Resp: 320449
Ion Ratio Lower Upper
168 100
99 59.9 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073286.D
Acq: 23 May 2022 16:44

Tgt Ion: 94 Resp: 806
Ion Ratio Lower Upper
94 100
96 57.0 77.6 116.4#





#11

Tert butyl alcohol

Concen: 6.334 ug/l

RT: 5.162 min Scan# 511

Delta R.T. -0.047 min

Lab File: VD073286.D

Acq: 23 May 2022 16:44

Instrument :

MSVOA_D

ClientSampleId :

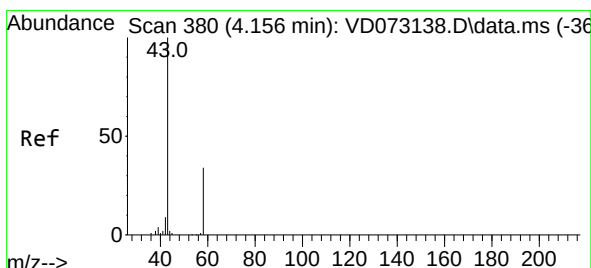
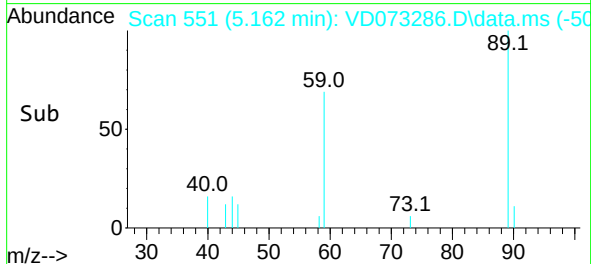
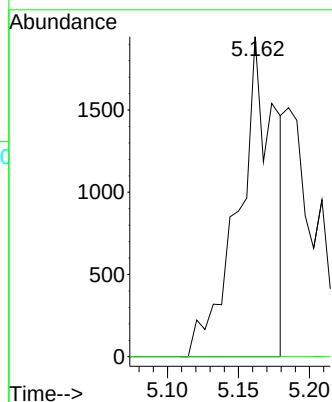
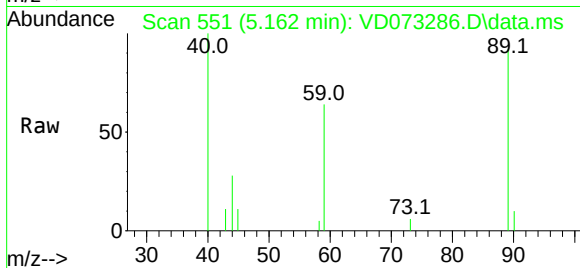
P033-SS001-1824-01

Tgt Ion: 59 Resp: 3480

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 18.298 ug/l

RT: 4.168 min Scan# 382

Delta R.T. 0.012 min

Lab File: VD073286.D

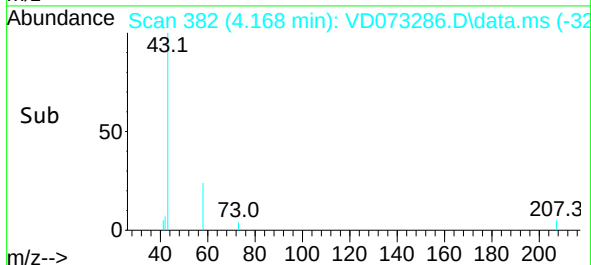
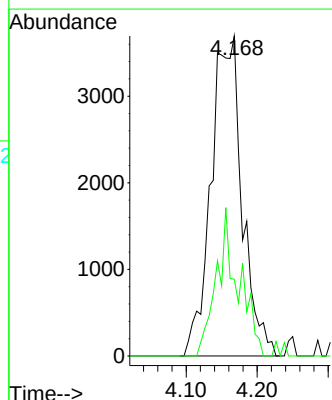
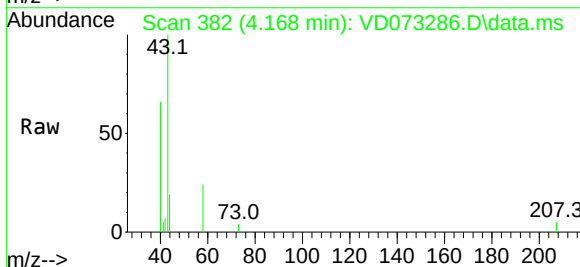
Acq: 23 May 2022 16:44

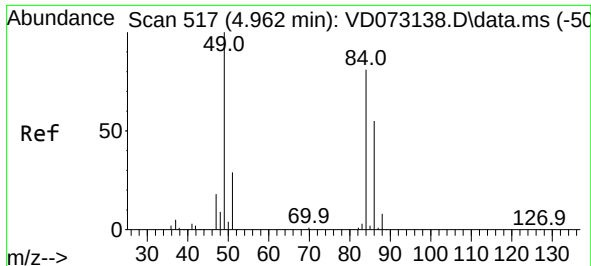
Tgt Ion: 43 Resp: 11224

Ion Ratio Lower Upper

43 100

58 24.0 22.1 33.1

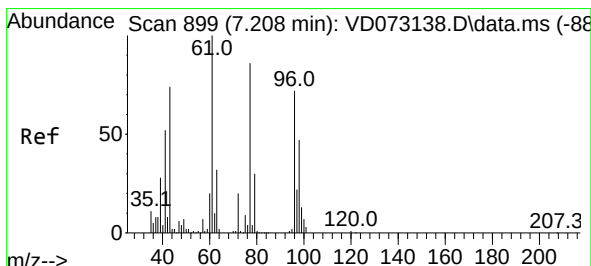
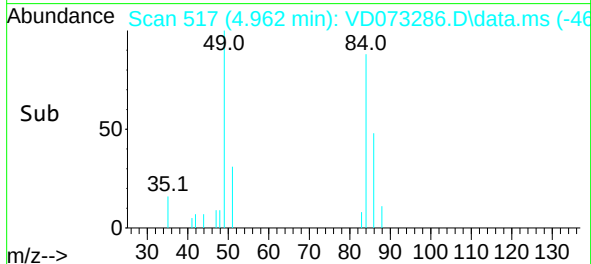
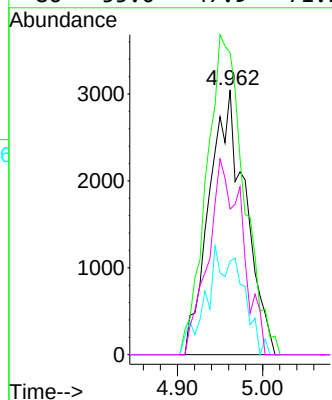
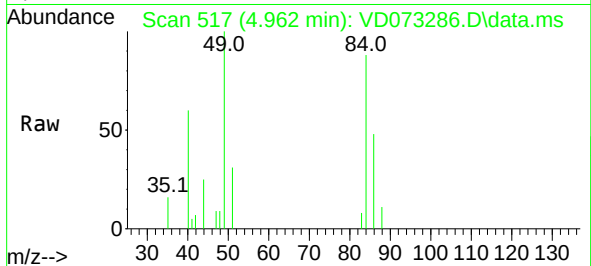




#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD073286.D
Acq: 23 May 2022 16:44

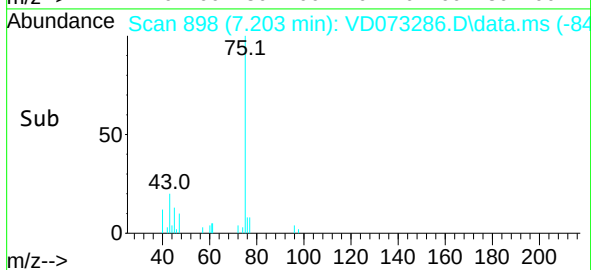
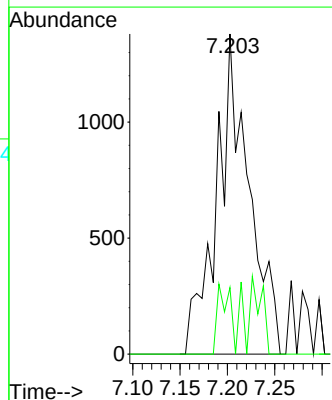
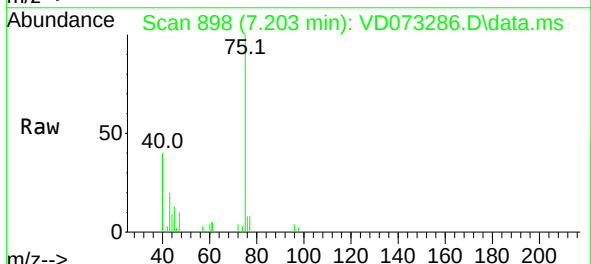
Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-1824-01

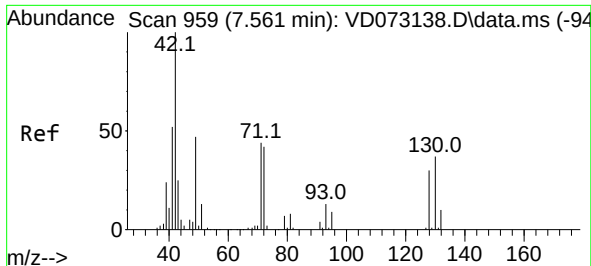
Tgt Ion:	84	Resp:	9011
Ion	Ratio	Lower	Upper
84	100		
49	114.0	112.8	169.2
51	35.4	32.6	48.8
86	55.0	47.9	71.9



#25
2-Butanone
Concen: 3.653 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.005 min
Lab File: VD073286.D
Acq: 23 May 2022 16:44

Tgt Ion:	43	Resp:	3278
Ion	Ratio	Lower	Upper
43	100		
72	20.8	18.6	27.8





#29

Tetrahydrofuran

Concen: 1.625 ug/l

RT: 7.556 min Scan# 91

Delta R.T. -0.005 min

Lab File: VD073286.D

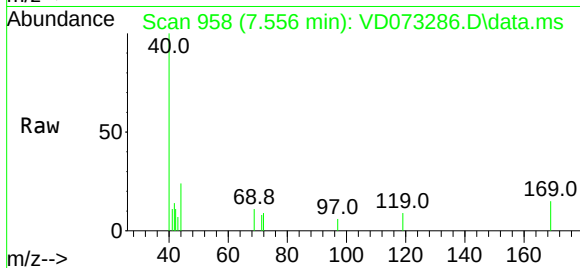
Acq: 23 May 2022 16:44

Instrument :

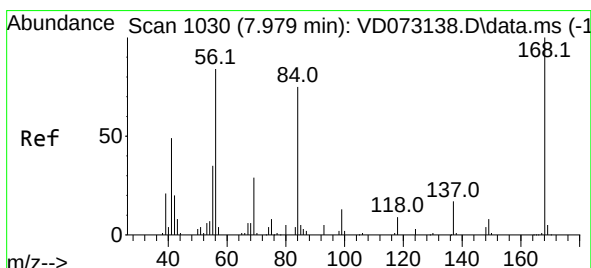
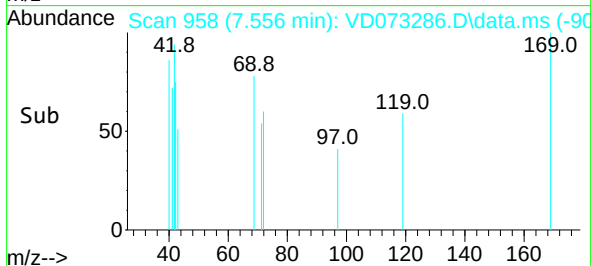
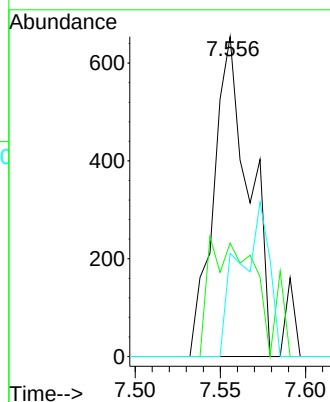
MSVOA_D

ClientSampleId :

P033-SS001-1824-01



Tgt Ion: 42	Resp: 943
Ion Ratio	Lower Upper
42	100
72	51.9 30.7 46.1#
71	0.0 28.6 43.0#



#31

Cyclohexane

Concen: 1.199 ug/l

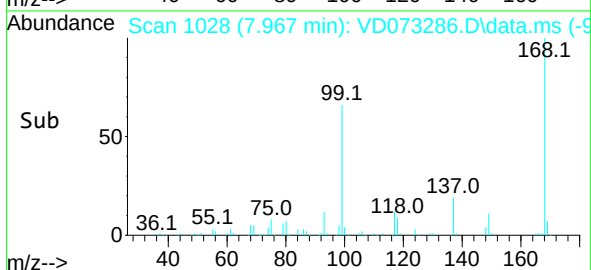
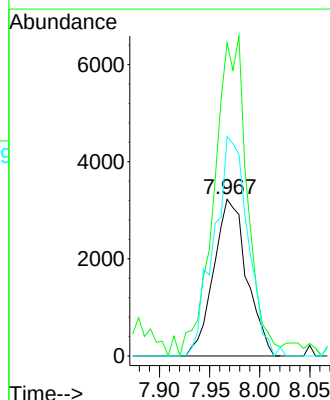
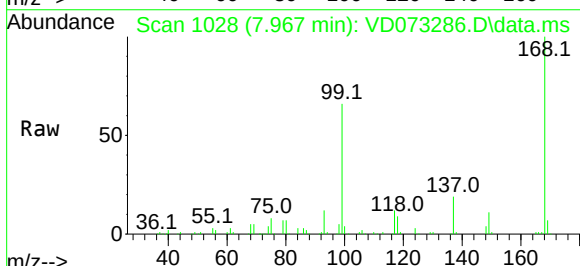
RT: 7.967 min Scan# 1028

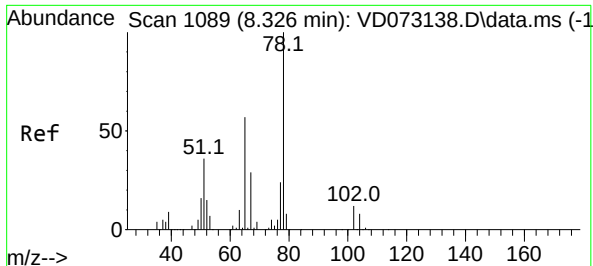
Delta R.T. -0.012 min

Lab File: VD073286.D

Acq: 23 May 2022 16:44

Tgt Ion: 56	Resp: 7418
Ion Ratio	Lower Upper
56	100
69	199.9 25.4 38.2#
84	140.1 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 50.958 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD073286.D

Acq: 23 May 2022 16:44

Instrument :

MSVOA_D

ClientSampleId :

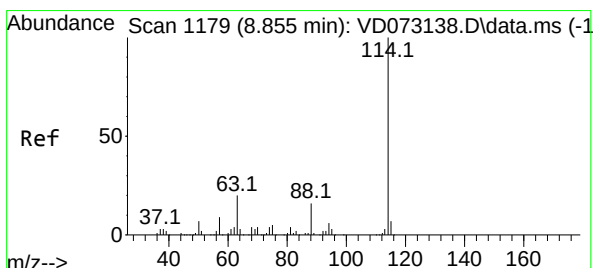
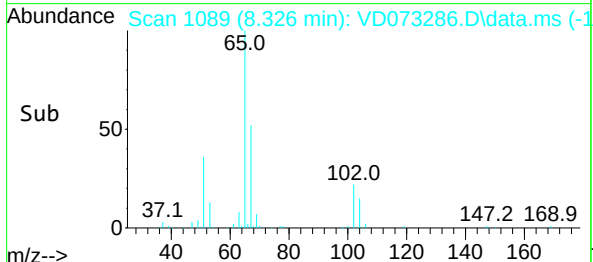
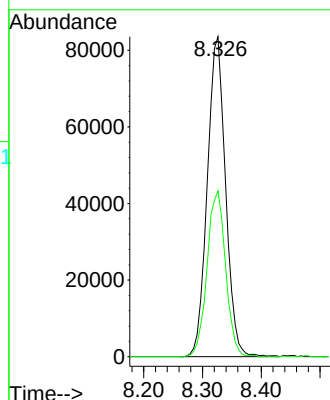
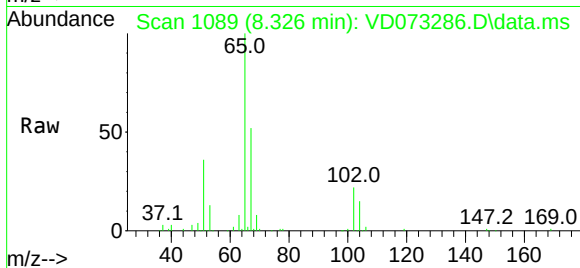
P033-SS001-1824-01

Tgt Ion: 65 Resp: 180464

Ion Ratio Lower Upper

65 100

67 52.5 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD073286.D

Acq: 23 May 2022 16:44

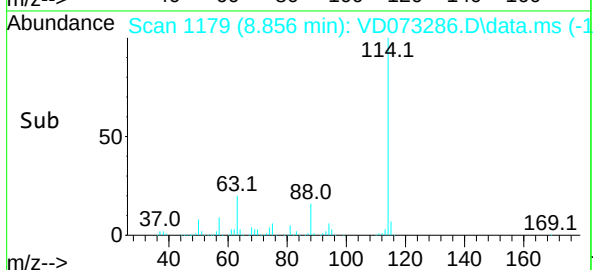
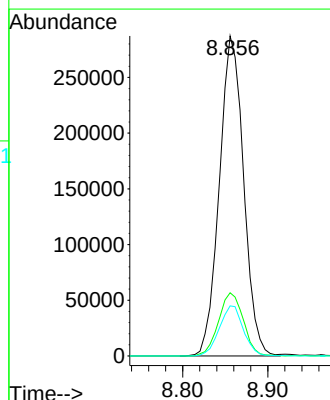
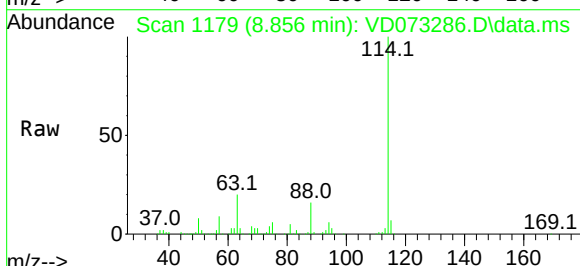
Tgt Ion: 114 Resp: 569787

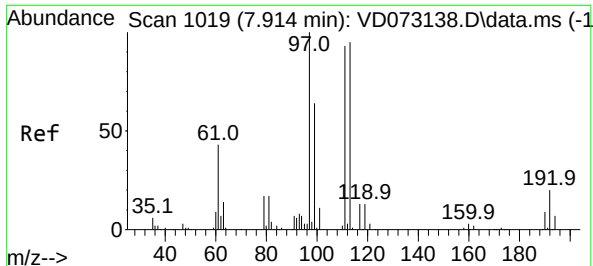
Ion Ratio Lower Upper

114 100

63 19.7 0.0 46.6

88 15.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.540 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073286.D

Acq: 23 May 2022 16:44

Instrument :

MSVOA_D

ClientSampleId :

P033-SS001-1824-01

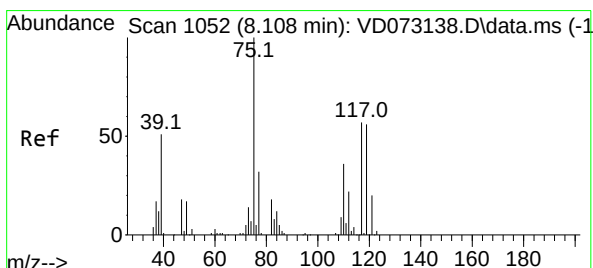
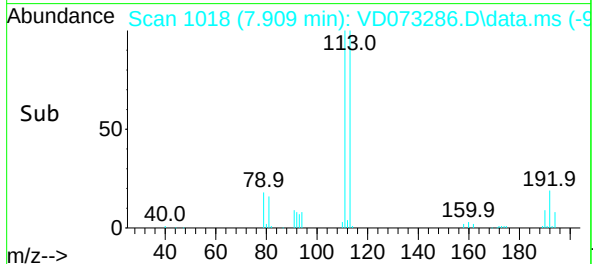
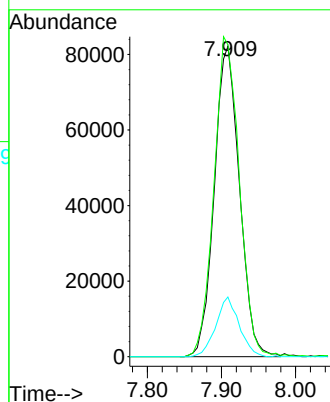
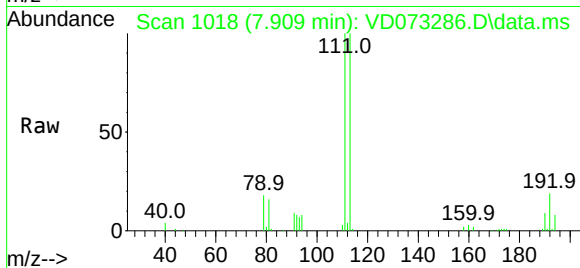
Tgt Ion:113 Resp: 193783

Ion Ratio Lower Upper

113 100

111 104.1 83.8 125.6

192 17.8 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.639 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073286.D

Acq: 23 May 2022 16:44

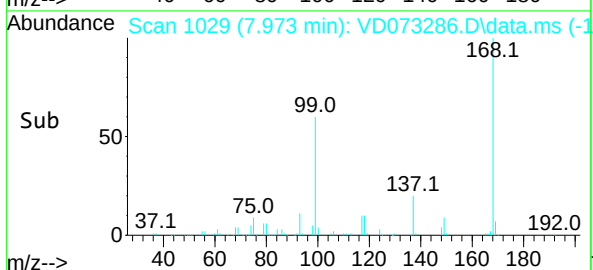
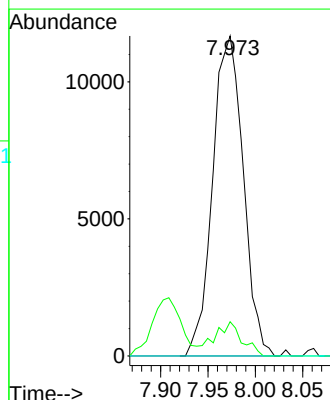
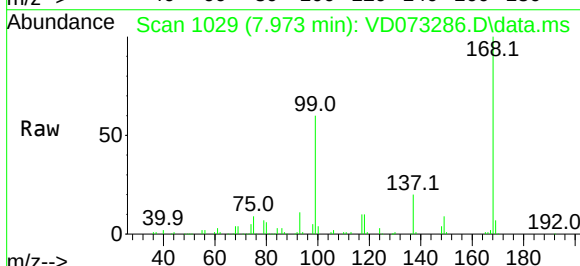
Tgt Ion: 75 Resp: 26233

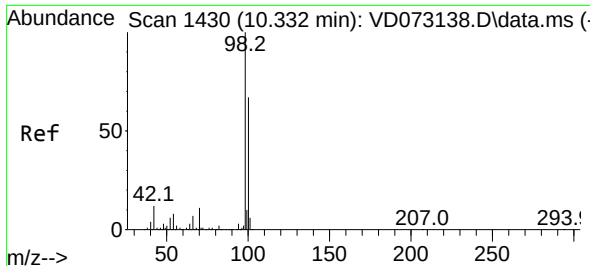
Ion Ratio Lower Upper

75 100

110 9.7 16.4 49.1#

77 0.0 24.2 36.2#

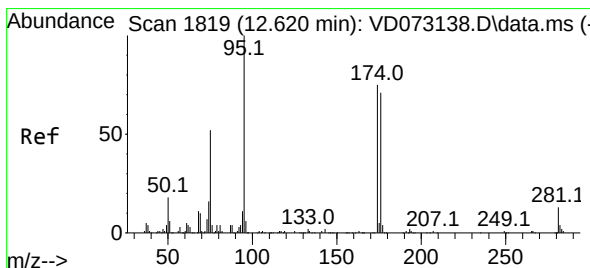
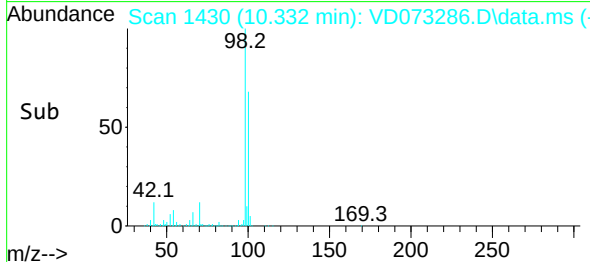
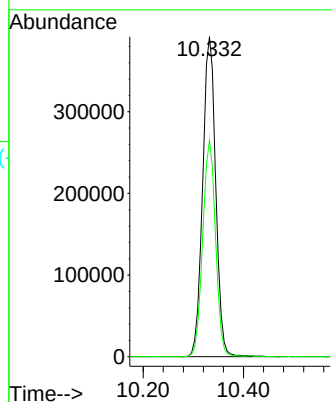
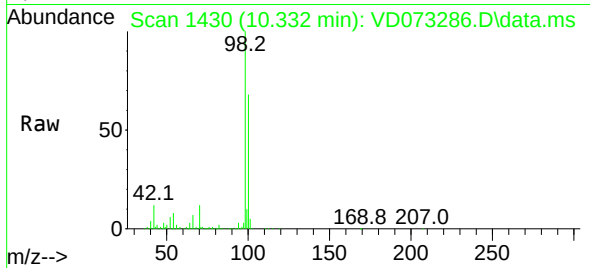




#50
Toluene-d8
Concen: 51.057 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073286.D
Acq: 23 May 2022 16:44

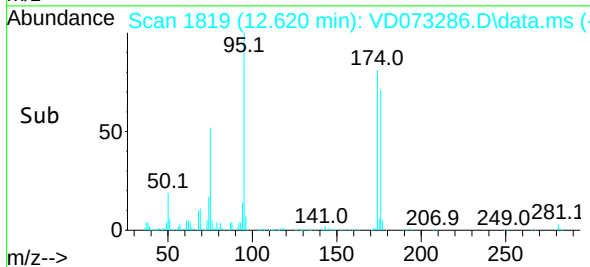
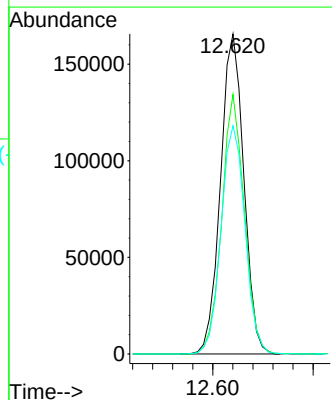
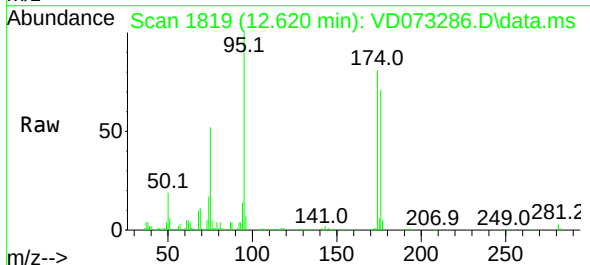
Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-1824-01

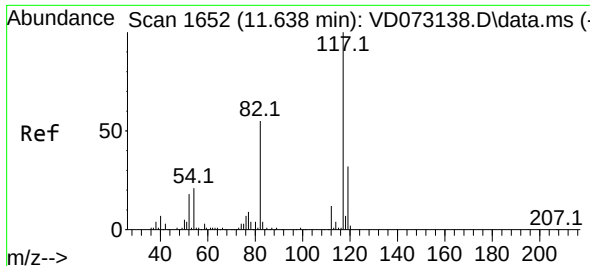
Tgt Ion: 98 Resp: 707631
Ion Ratio Lower Upper
98 100
100 66.5 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 54.716 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073286.D
Acq: 23 May 2022 16:44

Tgt Ion: 95 Resp: 266134
Ion Ratio Lower Upper
95 100
174 78.6 0.0 152.8
176 73.1 0.0 145.4

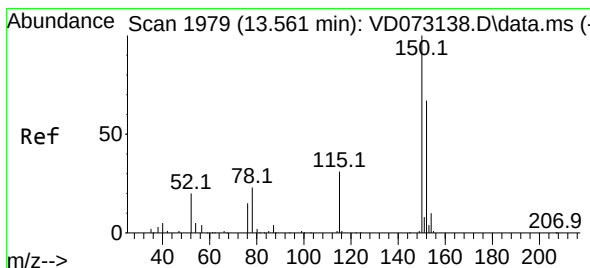
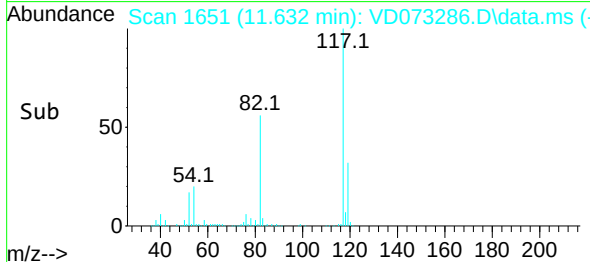
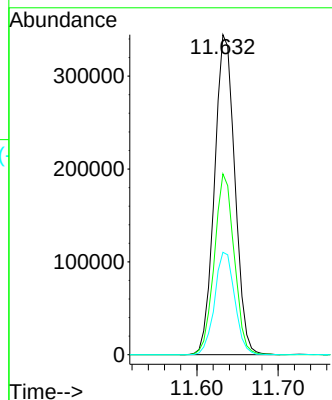
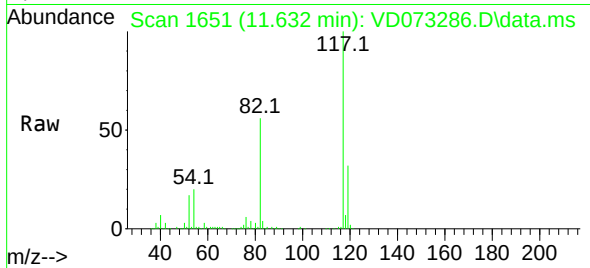




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD073286.D
Acq: 23 May 2022 16:44

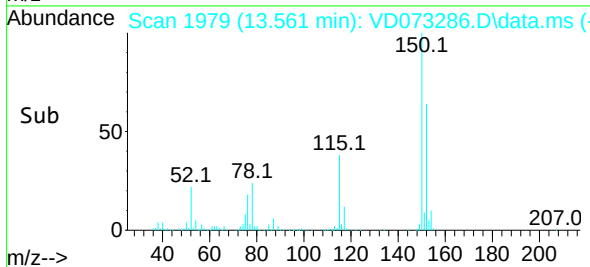
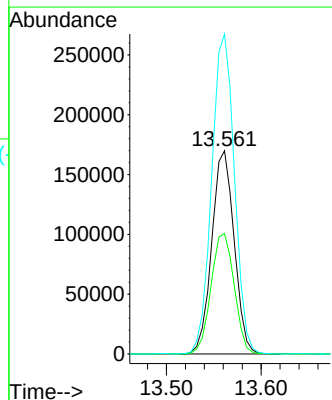
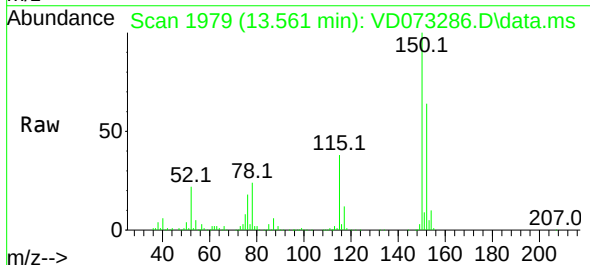
Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-1824-01

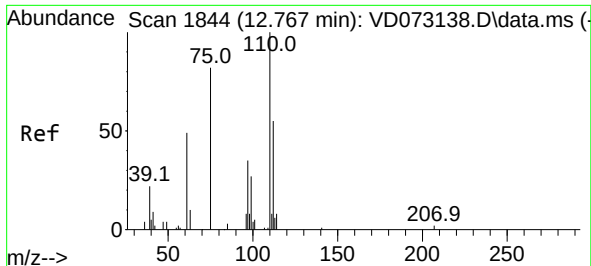
Tgt Ion:117 Resp: 600928
Ion Ratio Lower Upper
117 100
82 56.5 45.3 67.9
119 32.0 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073286.D
Acq: 23 May 2022 16:44

Tgt Ion:152 Resp: 279405
Ion Ratio Lower Upper
152 100
115 61.2 31.3 93.8
150 159.8 0.0 348.6

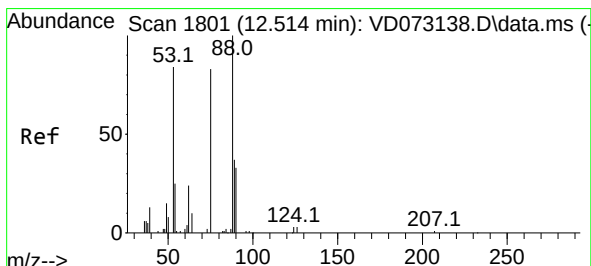
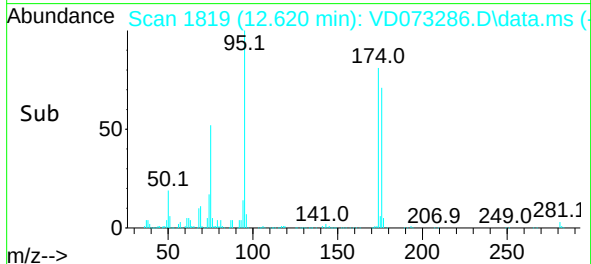
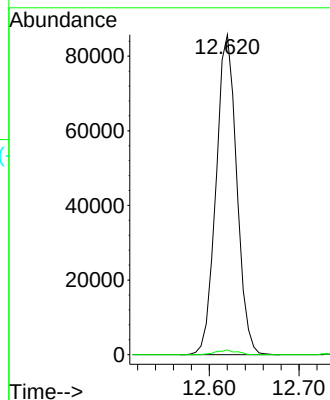
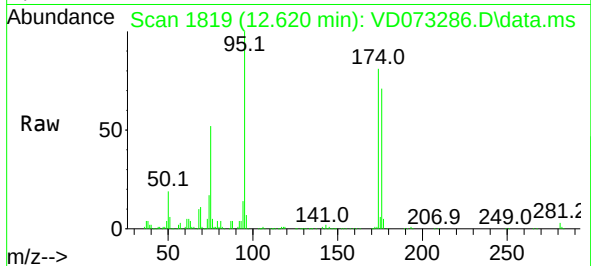




#76
1,2,3-Trichloropropane
Concen: 49.998 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073286.D
Acq: 23 May 2022 16:44

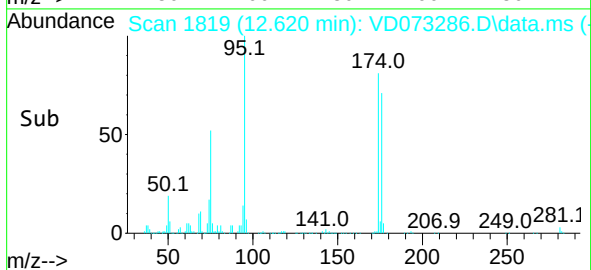
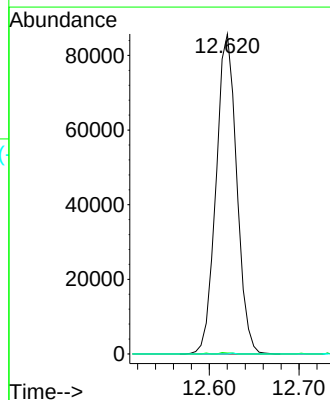
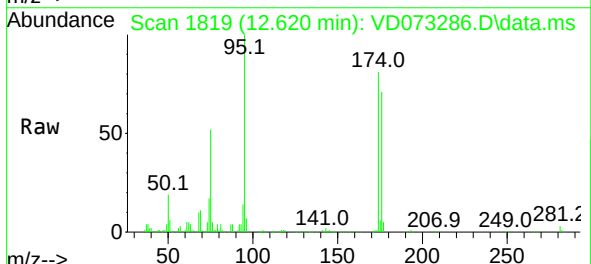
Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-1824-01

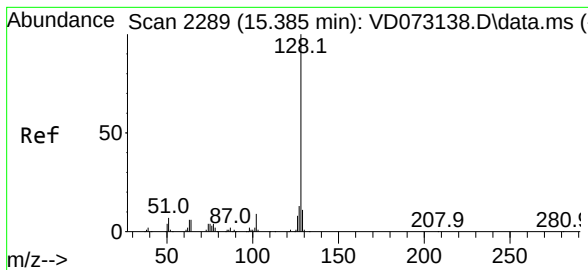
Tgt Ion: 75 Resp: 137066
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.029 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073286.D
Acq: 23 May 2022 16:44

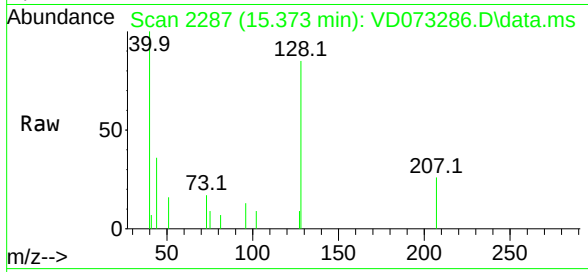
Tgt Ion: 75 Resp: 137066
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.1 33.9 50.9#





#95
Naphthalene
Concen: 3.946 ug/l
RT: 15.373 min Scan# 21
Delta R.T. -0.012 min
Lab File: VD073286.D
Acq: 23 May 2022 16:44

Instrument :
MSVOA_D
ClientSampleId :
P033-SS001-1824-01



Tgt Ion:	128	Resp:	3980
Ion	Ratio	Lower	Upper
128	100		
127	8.9	10.3	15.5#
129	2.3	8.4	12.6#

