

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080624\
 Data File : VD079631.D
 Acq On : 06 Aug 2024 19:01
 Operator : RP/MD
 Sample : P3374-23
 Misc : 7.63G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 07 02:50:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:50:47 2024
 Response via : Initial Calibration

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

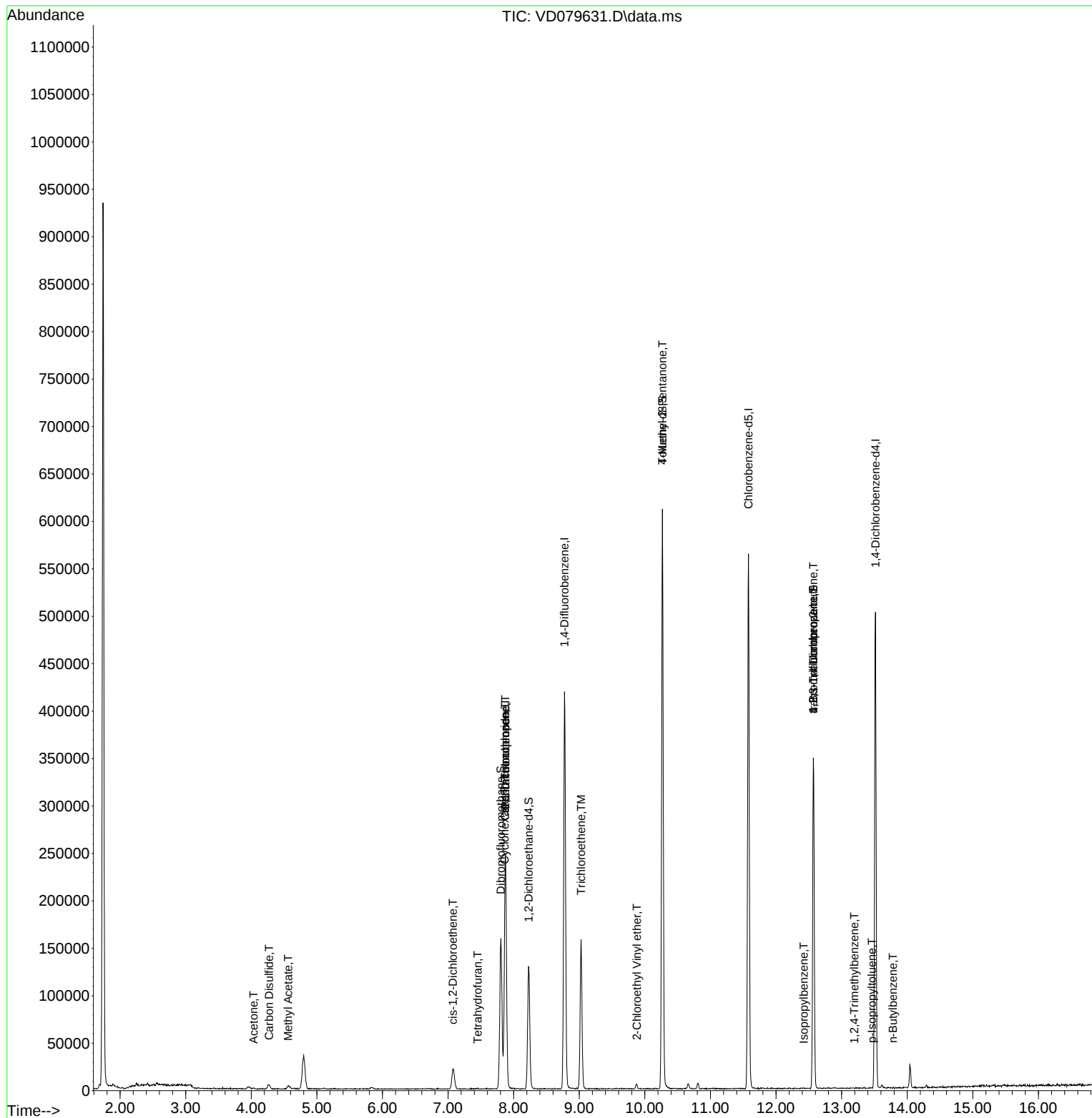
Internal Standards						
1) Pentafluorobenzene	7.875	168	195568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	379469	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	329517	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	140913	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	101322	50.998	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.000%
35) Dibromofluoromethane	7.805	113	114369	44.529	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.060%
50) Toluene-d8	10.269	98	418806	41.989	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	83.980%
62) 4-Bromofluorobenzene	12.569	95	105123	36.421	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.840%
Target Compounds						Qvalue
5) Bromomethane	2.699	94	384	Below Cal	#	52
16) Acetone	4.034	43	1651	4.276	ug/l #	81
17) Carbon Disulfide	4.269	76	10061	1.442	ug/l	99
18) Methyl Acetate	4.563	43	7066	5.894	ug/l #	77
20) Methylene Chloride	4.799	84	27696	Below Cal	#	85
27) cis-1,2-Dichloroethene	7.075	96	13859	5.108	ug/l	99
29) Tetrahydrofuran	7.452	42	364	1.073	ug/l #	40
31) Cyclohexane	7.863	56	4313	1.307	ug/l #	39
36) 1,1-Dichloropropene	7.875	75	15521	4.427	ug/l #	46
38) Carbon Tetrachloride	7.869	117	19441	5.275	ug/l #	15
44) Trichloroethene	9.028	130	55648	20.077	ug/l	91
51) 4-Methyl-2-Pentanone	10.269	43	1494	1.083	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.881	63	2085	1.928	ug/l	92
73) Isopropylbenzene	12.422	105	56	3.633	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	53256	43.237	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	53256	82.465	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.192	105	60	3.435	ug/l #	29
86) p-Isopropyltoluene	13.463	119	82	3.894	ug/l #	51
89) n-Butylbenzene	13.781	91	226	3.805	ug/l #	34

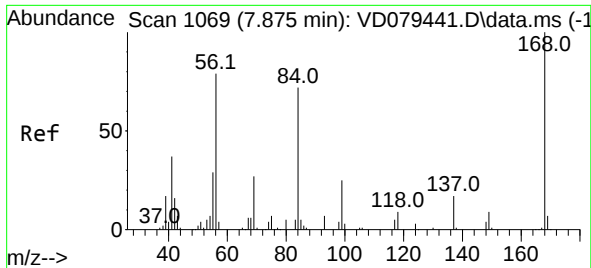
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
Response via : Initial Calibration

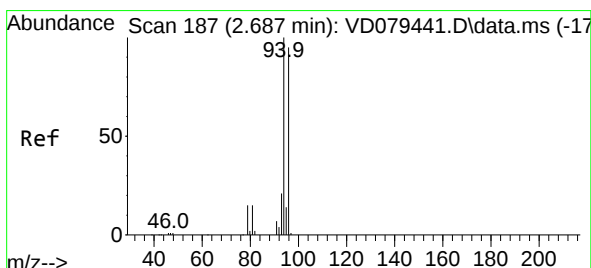
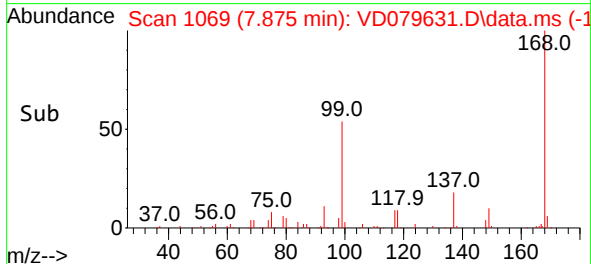
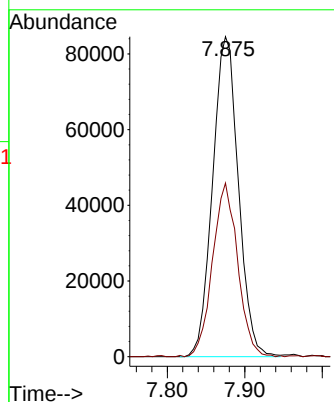
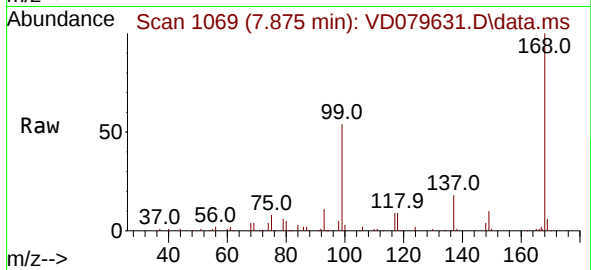




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079631.D
Acq: 06 Aug 2024 19:01

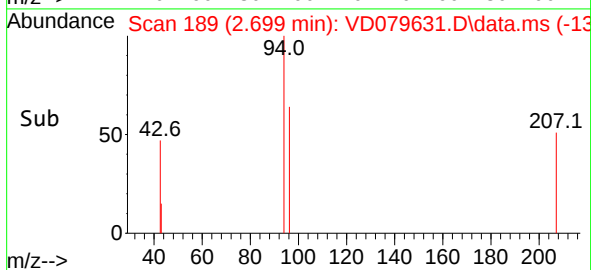
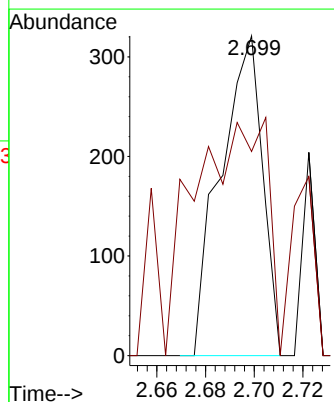
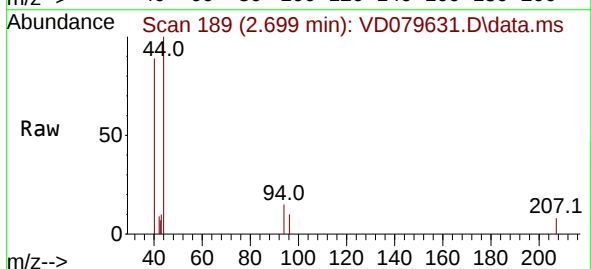
Instrument :
MSVOA_D
ClientSampleId :

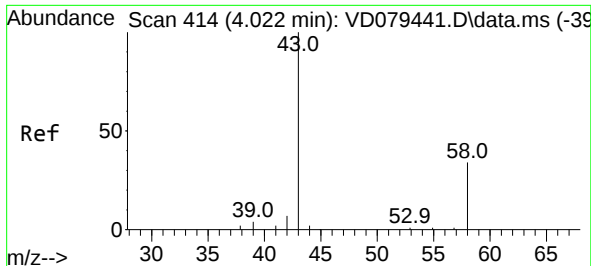
Tgt Ion:168 Resp: 195568
Ion Ratio Lower Upper
168 100
99 53.9 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.699 min Scan# 189
Delta R.T. 0.012 min
Lab File: VD079631.D
Acq: 06 Aug 2024 19:01

Tgt Ion: 94 Resp: 384
Ion Ratio Lower Upper
94 100
96 143.5 76.9 115.3#

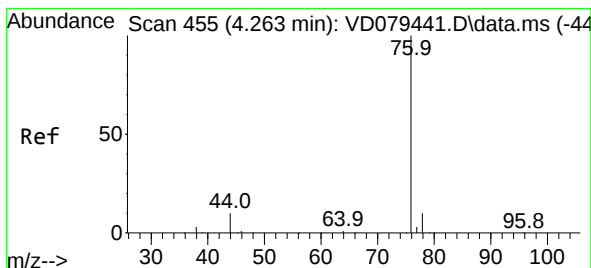
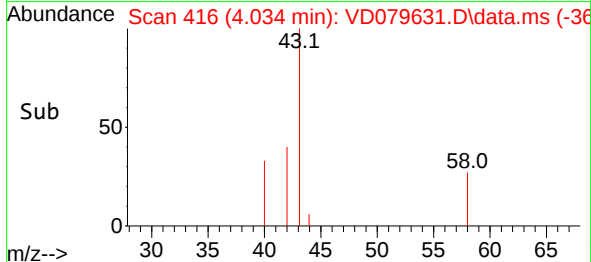
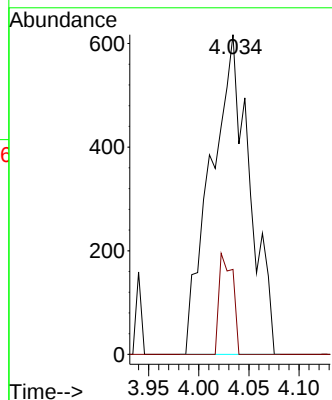
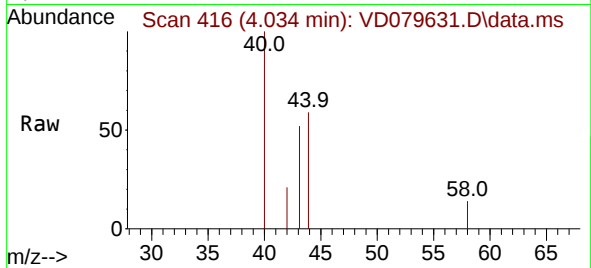




#16
Acetone
Concen: 4.276 ug/l
RT: 4.034 min Scan# 41
Delta R.T. 0.012 min
Lab File: VD079631.D
Acq: 06 Aug 2024 19:01

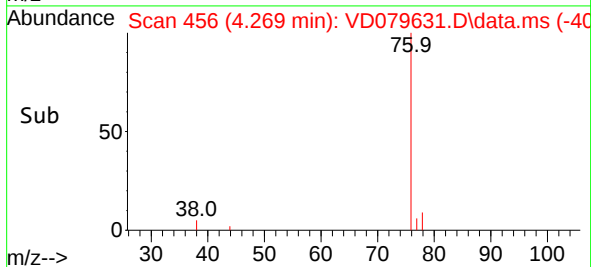
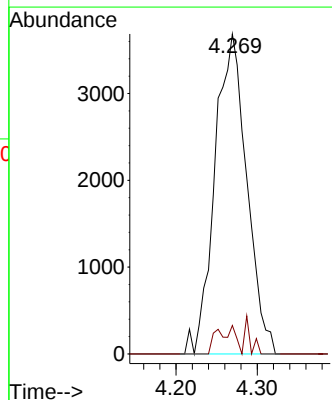
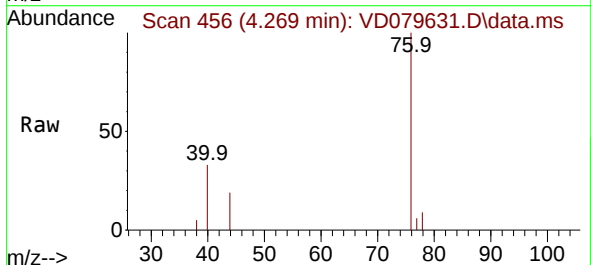
Instrument :
MSVOA_D
ClientSampleId :

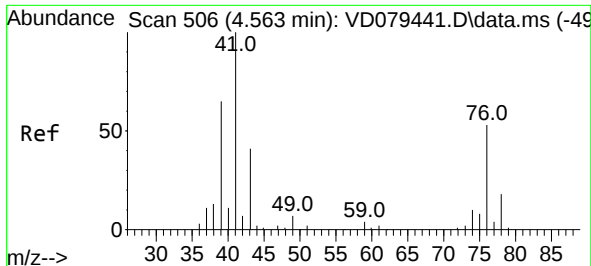
Tgt Ion: 43 Resp: 1651
Ion Ratio Lower Upper
43 100
58 26.6 30.4 45.6#



#17
Carbon Disulfide
Concen: 1.442 ug/l
RT: 4.269 min Scan# 456
Delta R.T. 0.006 min
Lab File: VD079631.D
Acq: 06 Aug 2024 19:01

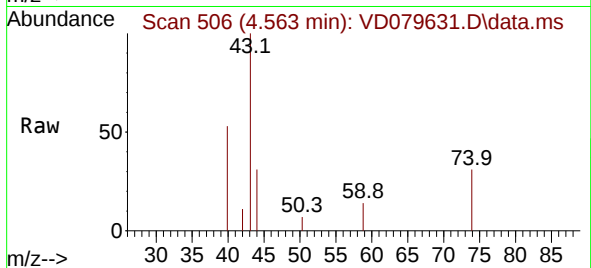
Tgt Ion: 76 Resp: 10061
Ion Ratio Lower Upper
76 100
78 8.9 6.9 10.3



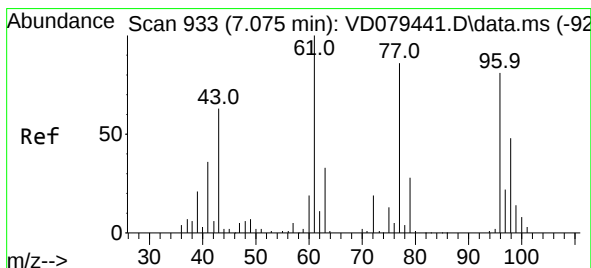
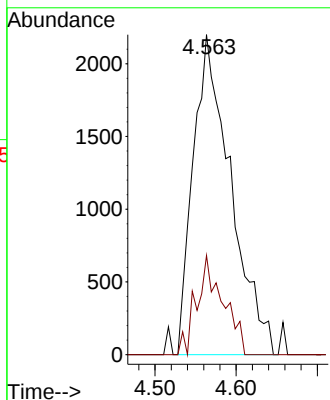
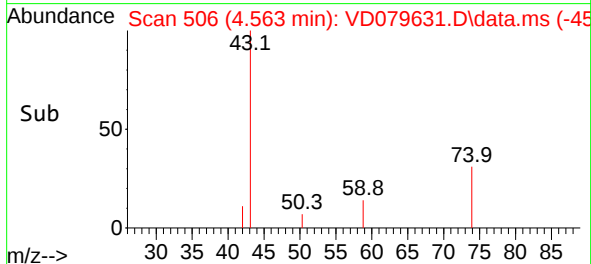


#18
Methyl Acetate
Concen: 5.894 ug/l
RT: 4.563 min Scan# 506
Delta R.T. -0.006 min
Lab File: VD079631.D
Acq: 06 Aug 2024 19:01

Instrument :
MSVOA_D
ClientSampleId :

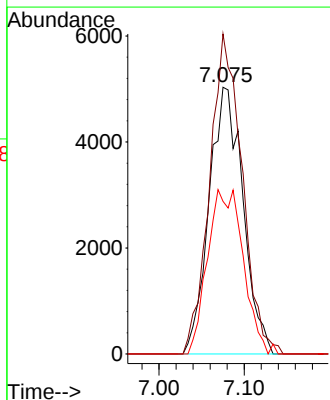
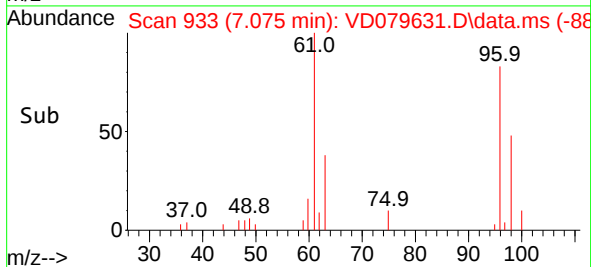
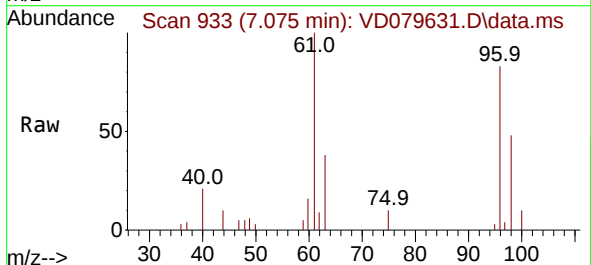


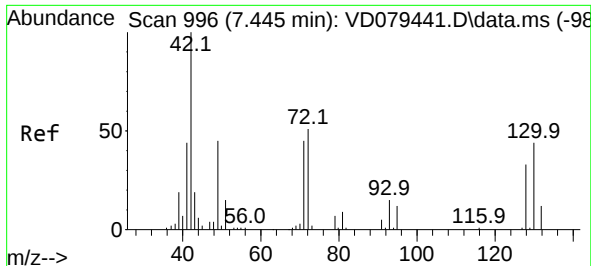
Tgt Ion: 43 Resp: 7066
Ion Ratio Lower Upper
43 100
74 21.9 28.1 42.1#



#27
cis-1,2-Dichloroethene
Concen: 5.108 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.000 min
Lab File: VD079631.D
Acq: 06 Aug 2024 19:01

Tgt Ion: 96 Resp: 13859
Ion Ratio Lower Upper
96 100
61 115.0 0.0 229.0
98 65.0 0.0 127.2





#29

Tetrahydrofuran

Concen: 1.073 ug/l

RT: 7.452 min Scan# 996

Delta R.T. 0.006 min

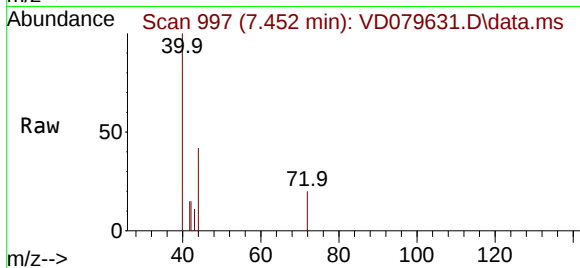
Lab File: VD079631.D

Acq: 06 Aug 2024 19:01

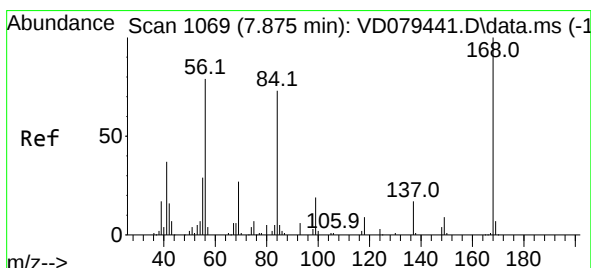
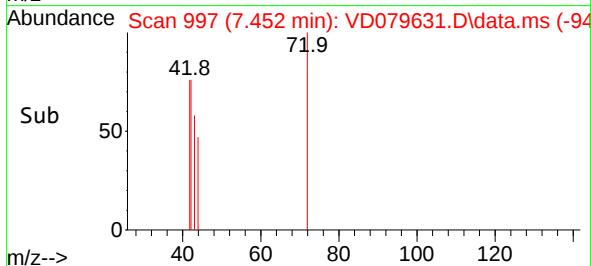
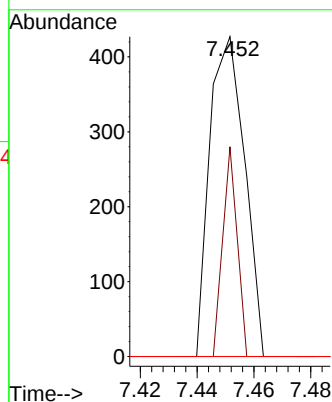
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	364
Ion	Ratio	Lower	Upper
42	100		
72	27.2	49.4	74.0#
71	0.0	45.0	67.6#



#31

Cyclohexane

Concen: 1.307 ug/l

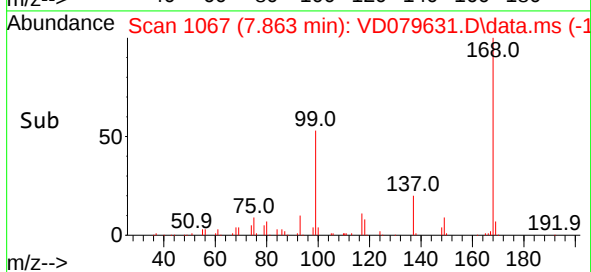
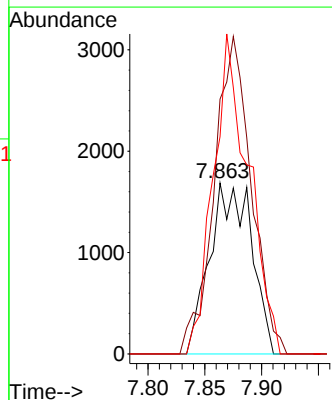
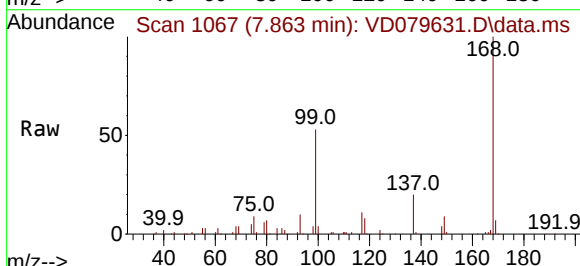
RT: 7.863 min Scan# 1067

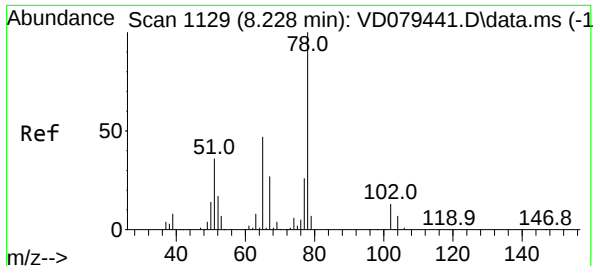
Delta R.T. -0.018 min

Lab File: VD079631.D

Acq: 06 Aug 2024 19:01

Tgt Ion:	56	Resp:	4313
Ion	Ratio	Lower	Upper
56	100		
69	149.1	28.0	42.0#
84	127.1	87.4	131.0





#33

1,2-Dichloroethane-d4

Concen: 50.998 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079631.D

Acq: 06 Aug 2024 19:01

Instrument :

MSVOA_D

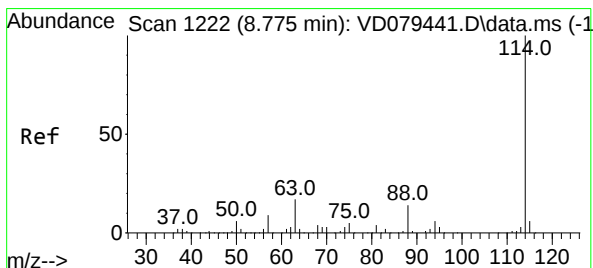
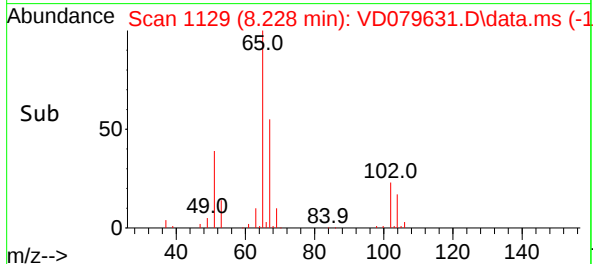
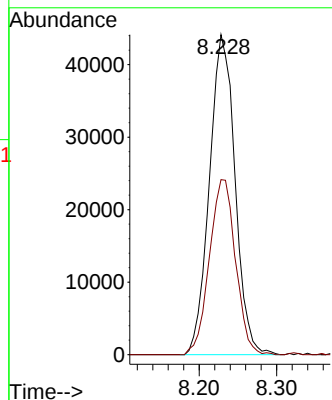
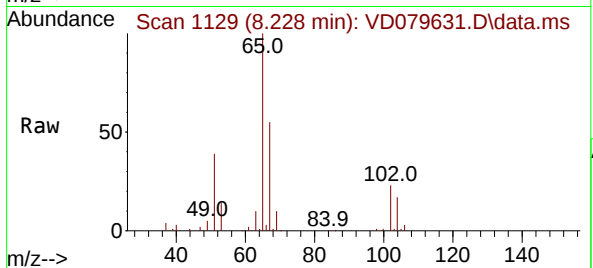
ClientSampleId :

Tgt Ion: 65 Resp: 101322

Ion Ratio Lower Upper

65 100

67 55.8 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD079631.D

Acq: 06 Aug 2024 19:01

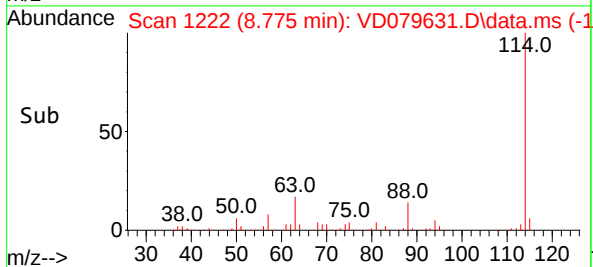
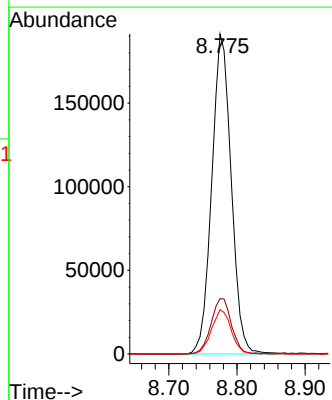
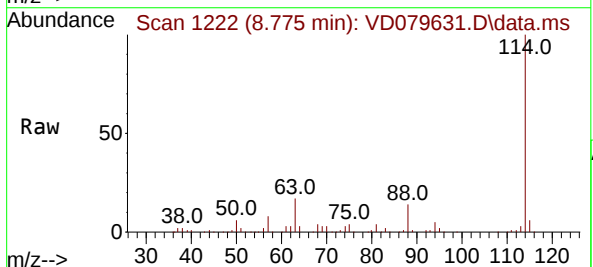
Tgt Ion: 114 Resp: 379469

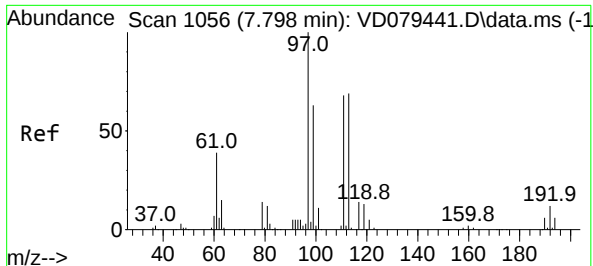
Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.0

88 13.8 0.0 27.2





#35

Dibromofluoromethane

Concen: 44.529 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079631.D

Acq: 06 Aug 2024 19:01

Instrument :

MSVOA_D

ClientSampleId :

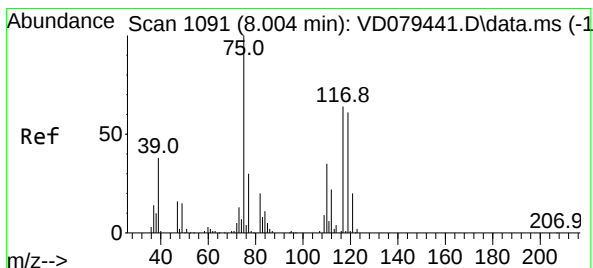
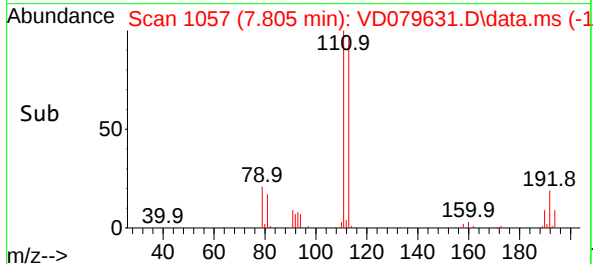
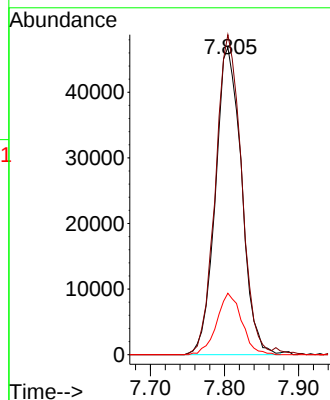
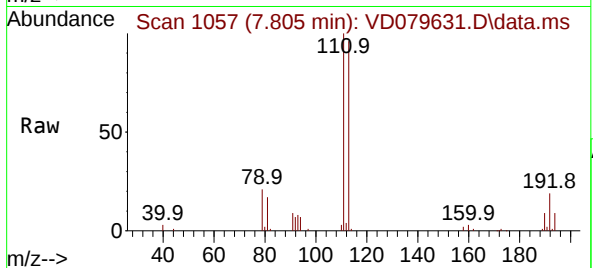
Tgt Ion:113 Resp: 114369

Ion Ratio Lower Upper

113 100

111 103.6 84.0 126.0

192 19.3 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.427 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD079631.D

Acq: 06 Aug 2024 19:01

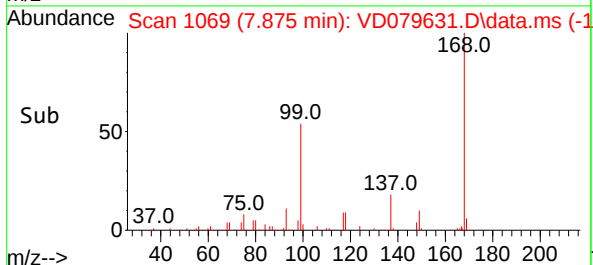
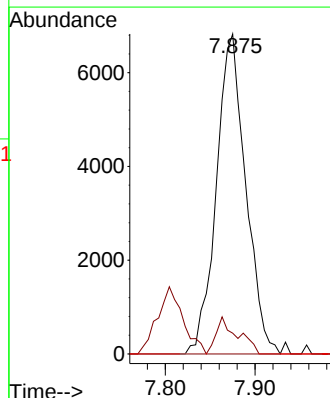
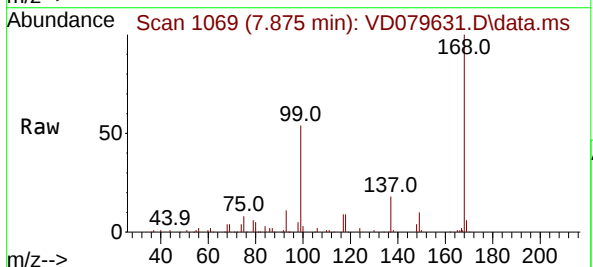
Tgt Ion: 75 Resp: 15521

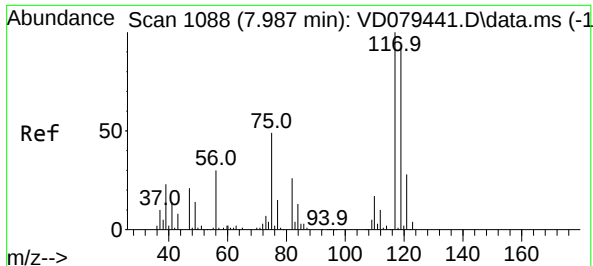
Ion Ratio Lower Upper

75 100

110 8.4 19.6 58.7#

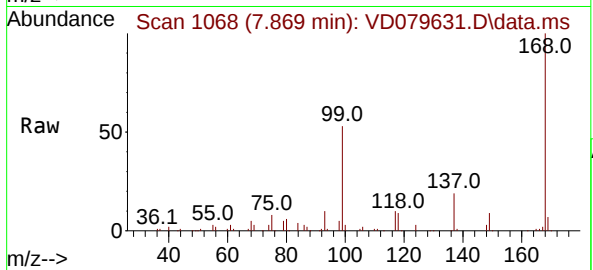
77 0.0 26.1 39.1#



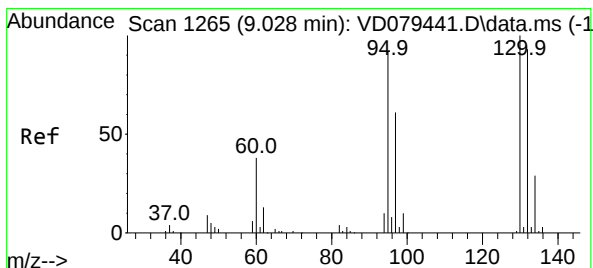
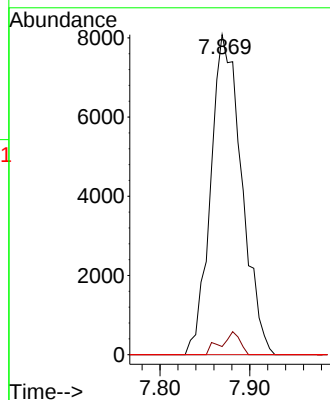
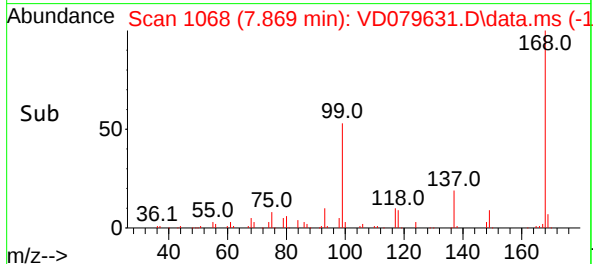


#38
Carbon Tetrachloride
Concen: 5.275 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.118 min
Lab File: VD079631.D
Acq: 06 Aug 2024 19:01

Instrument :
MSVOA_D
ClientSampleId :

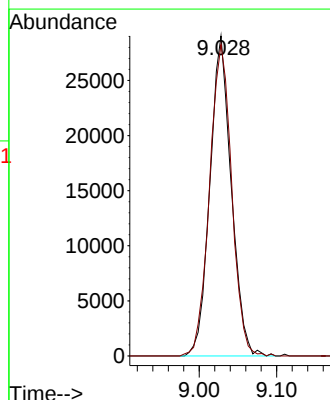
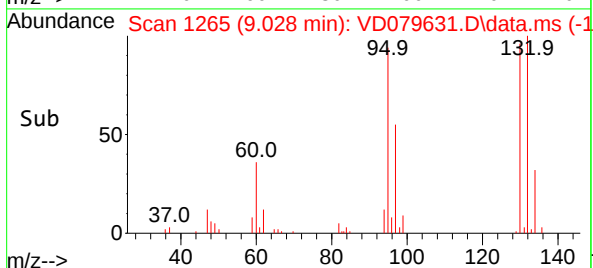
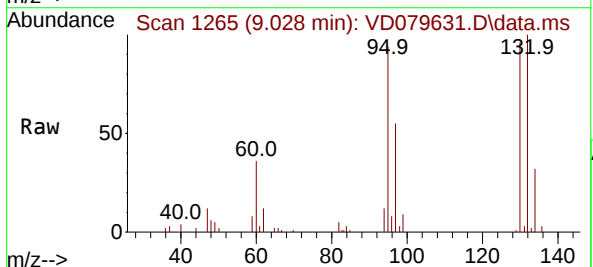


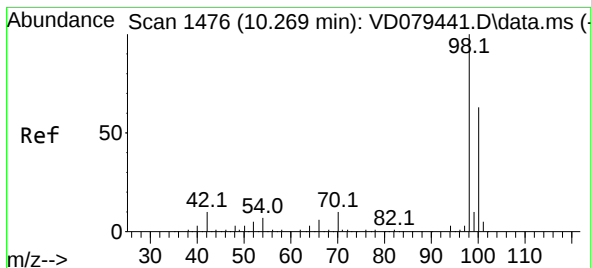
Tgt Ion:117 Resp: 19441
Ion Ratio Lower Upper
117 100
119 2.5 75.4 113.0#
121 0.0 25.0 37.4#



#44
Trichloroethene
Concen: 20.077 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD079631.D
Acq: 06 Aug 2024 19:01

Tgt Ion:130 Resp: 55648
Ion Ratio Lower Upper
130 100
95 97.3 0.0 177.8





#50

Toluene-d8

Concen: 41.989 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VD079631.D

Acq: 06 Aug 2024 19:01

Instrument :

MSVOA_D

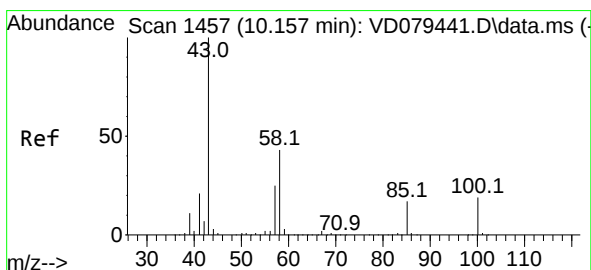
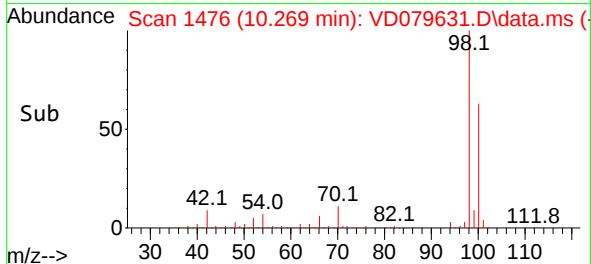
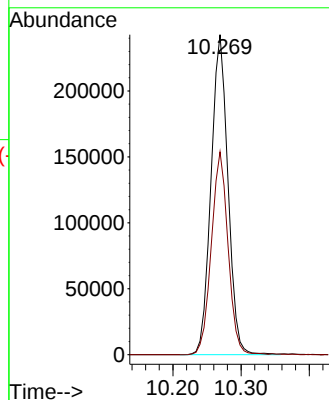
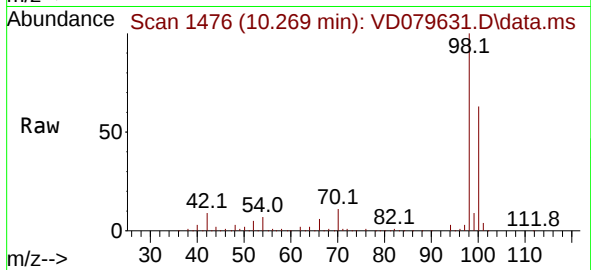
ClientSampleId :

Tgt Ion: 98 Resp: 418806

Ion Ratio Lower Upper

98 100

100 62.7 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 1.083 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.112 min

Lab File: VD079631.D

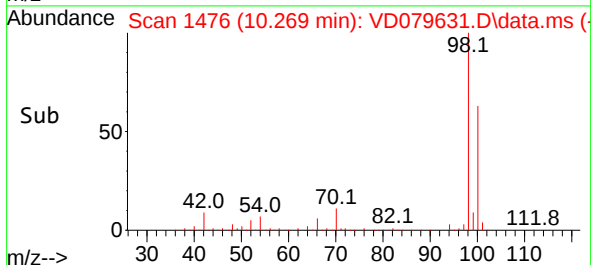
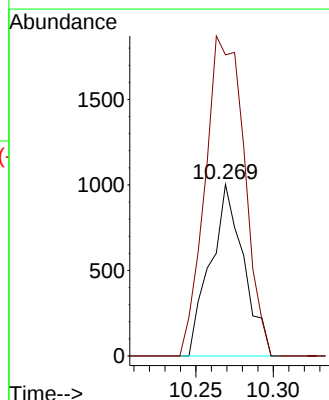
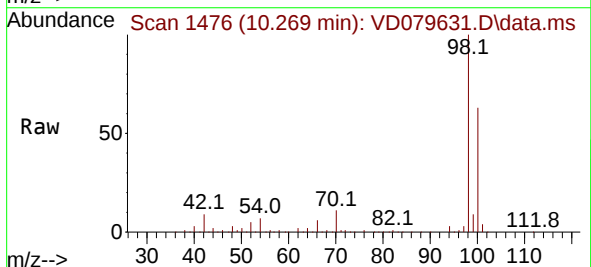
Acq: 06 Aug 2024 19:01

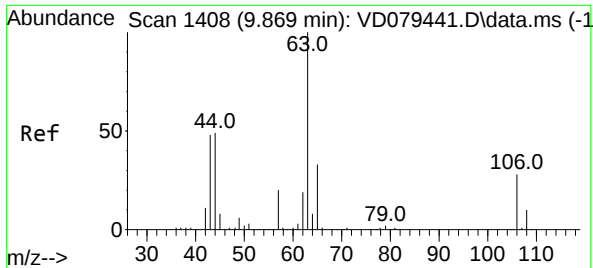
Tgt Ion: 43 Resp: 1494

Ion Ratio Lower Upper

43 100

58 220.1 36.6 55.0#

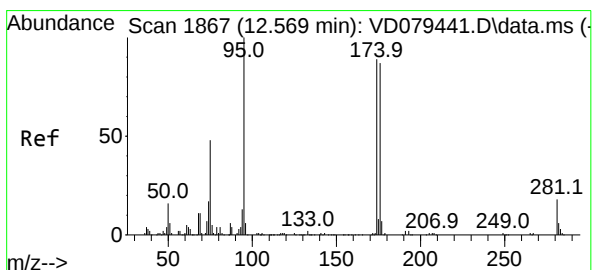
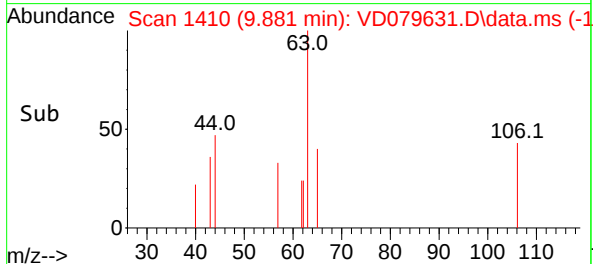
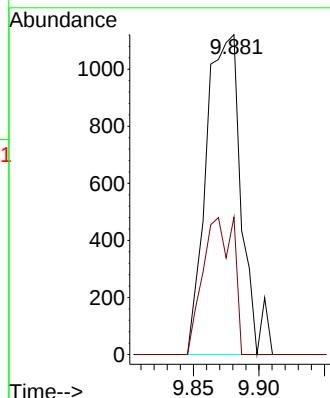
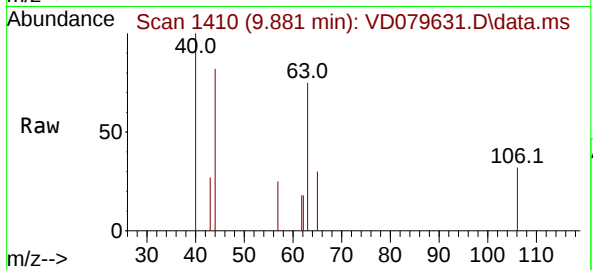




#58
2-Chloroethyl Vinyl ether
Concen: 1.928 ug/l
RT: 9.881 min Scan# 1408
Delta R.T. 0.012 min
Lab File: VD079631.D
Acq: 06 Aug 2024 19:01

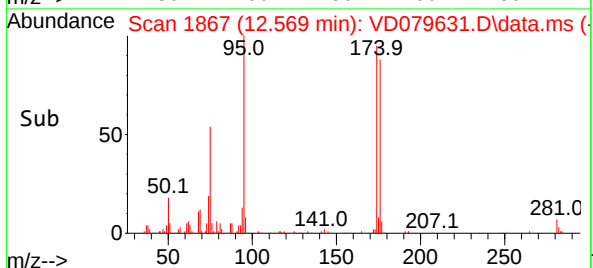
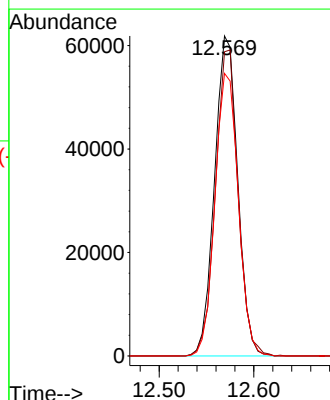
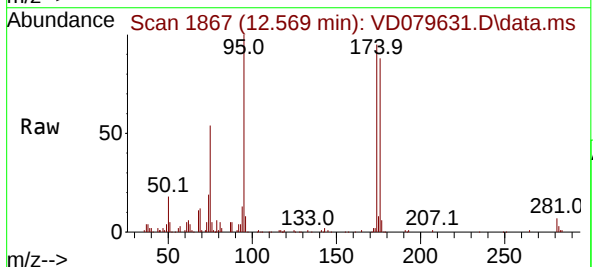
Instrument :
MSVOA_D
ClientSampleId :

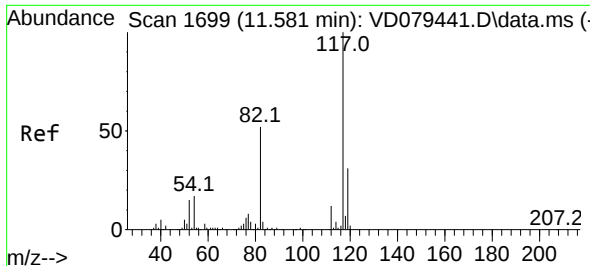
Tgt Ion: 63 Resp: 2085
Ion Ratio Lower Upper
63 100
106 37.4 26.4 39.6



#62
4-Bromofluorobenzene
Concen: 36.421 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079631.D
Acq: 06 Aug 2024 19:01

Tgt Ion: 95 Resp: 105123
Ion Ratio Lower Upper
95 100
174 93.4 0.0 195.4
176 89.2 0.0 192.6

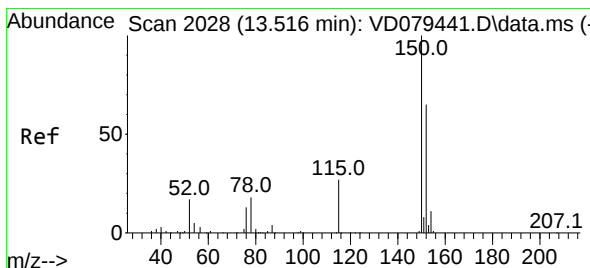
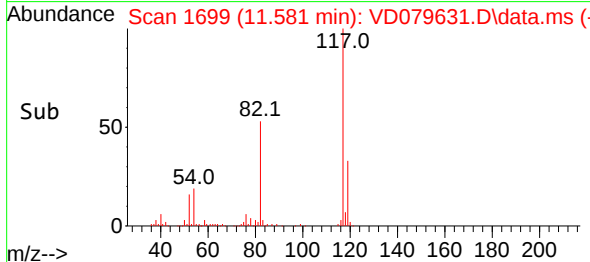
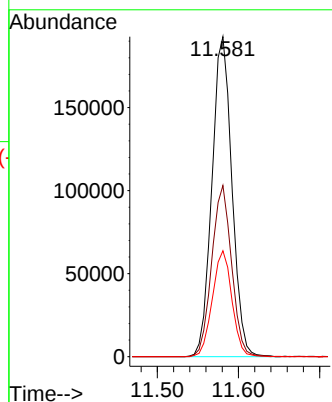
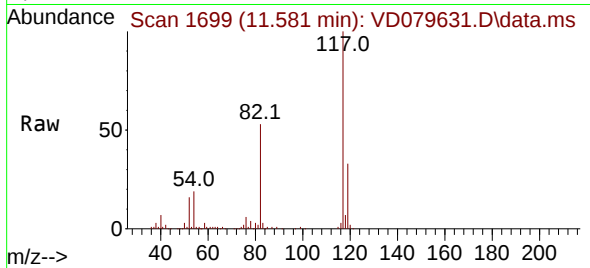




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD079631.D
Acq: 06 Aug 2024 19:01

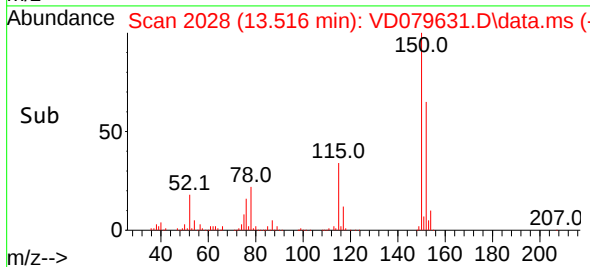
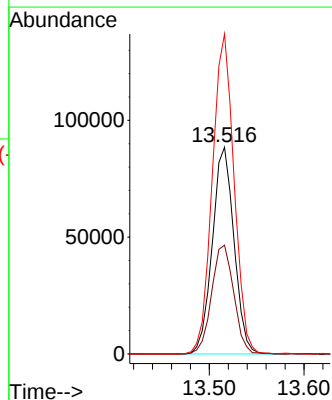
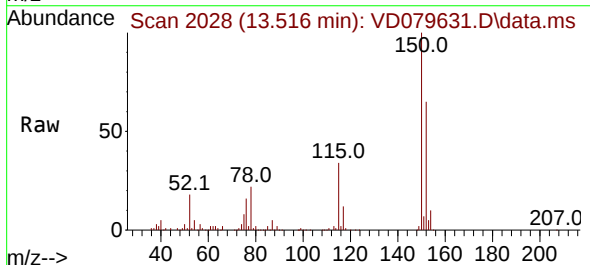
Instrument :
MSVOA_D
ClientSampleId :

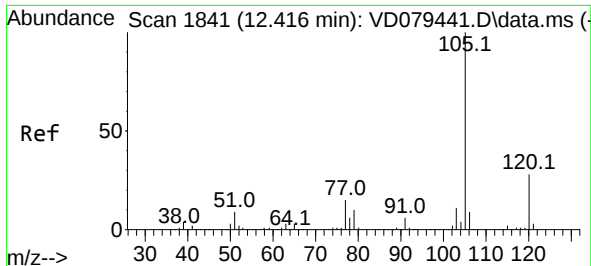
Tgt Ion:117 Resp: 329517
Ion Ratio Lower Upper
117 100
82 53.5 39.8 59.6
119 33.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079631.D
Acq: 06 Aug 2024 19:01

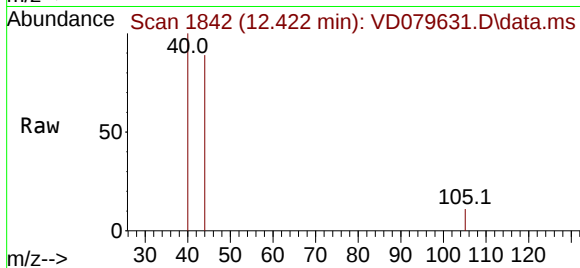
Tgt Ion:152 Resp: 140913
Ion Ratio Lower Upper
152 100
115 53.9 26.5 79.5
150 155.0 0.0 341.6



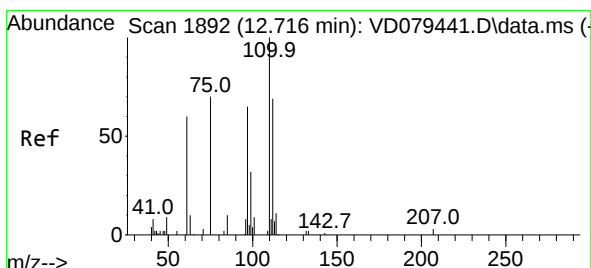
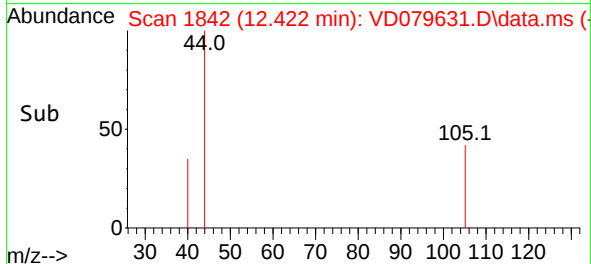
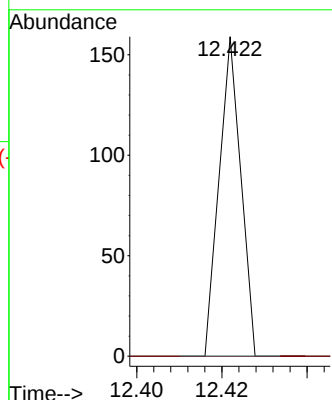


#73
Isopropylbenzene
Concen: 3.633 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VD079631.D
Acq: 06 Aug 2024 19:01

Instrument :
MSVOA_D
ClientSampleId :

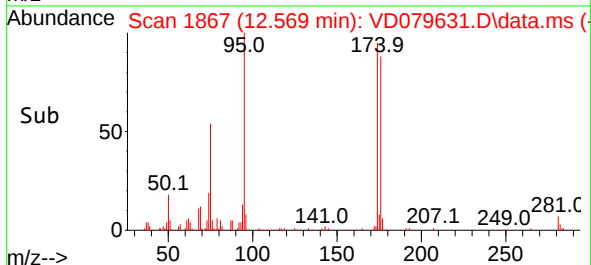
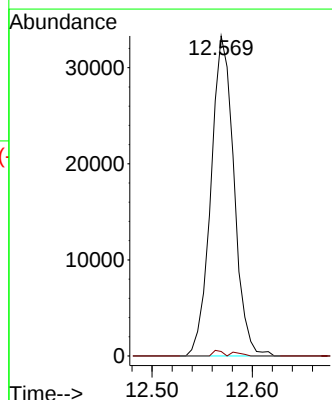
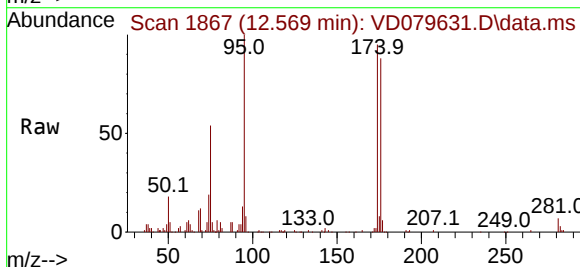


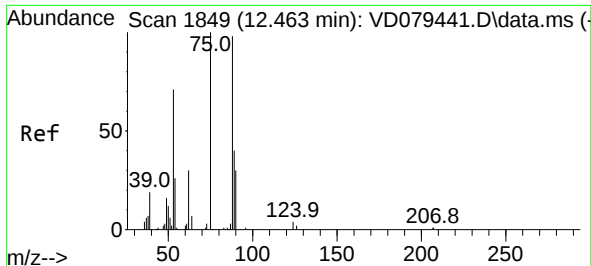
Tgt Ion:105 Resp: 56
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.7#



#76
1,2,3-Trichloropropane
Concen: 43.237 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079631.D
Acq: 06 Aug 2024 19:01

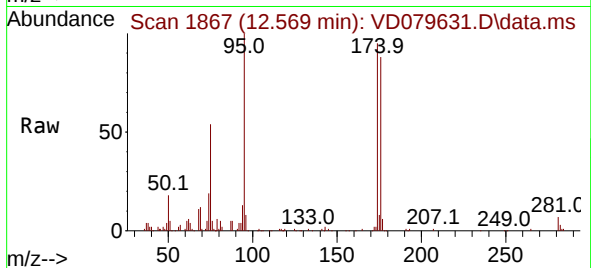
Tgt Ion: 75 Resp: 53256
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#



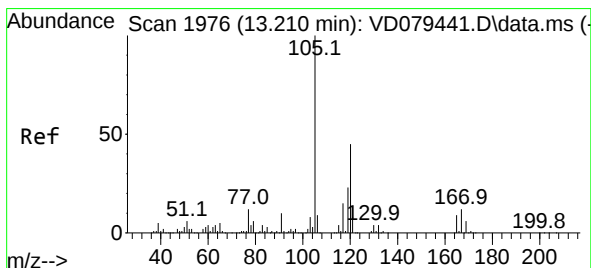
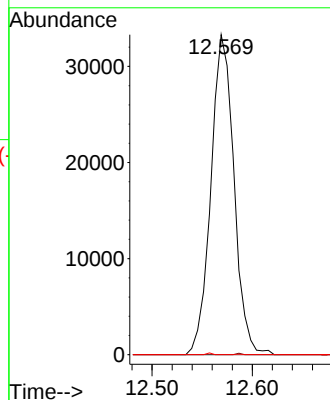
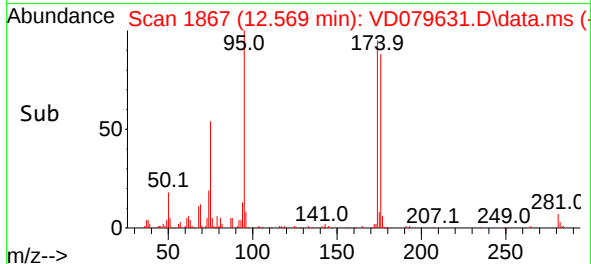


#81
trans-1,4-Dichloro-2-butene
Concen: 82.465 ug/l
RT: 12.569 min Scan# 1849
Delta R.T. 0.100 min
Lab File: VD079631.D
Acq: 06 Aug 2024 19:01

Instrument :
MSVOA_D
ClientSampleId :

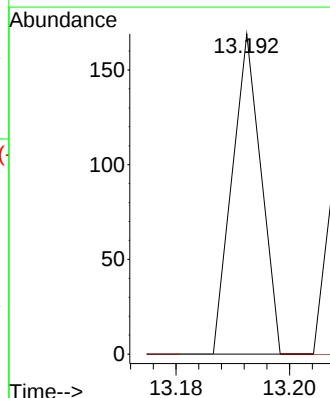
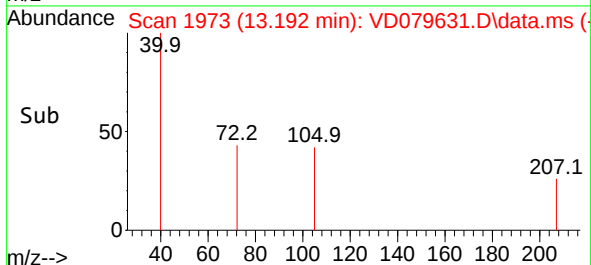
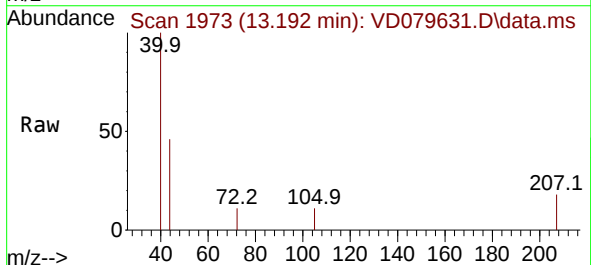


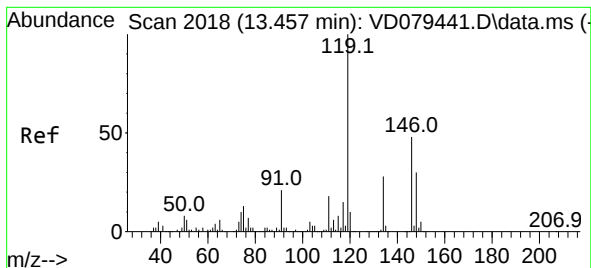
Tgt Ion: 75 Resp: 53256
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.1 35.4 53.0#



#84
1,2,4-Trimethylbenzene
Concen: 3.435 ug/l
RT: 13.192 min Scan# 1973
Delta R.T. -0.012 min
Lab File: VD079631.D
Acq: 06 Aug 2024 19:01

Tgt Ion: 105 Resp: 60
Ion Ratio Lower Upper
105 100
120 0.0 23.6 71.0#





#86

p-Isopropyltoluene

Concen: 3.894 ug/l

RT: 13.463 min Scan# 2018

Delta R.T. 0.006 min

Lab File: VD079631.D

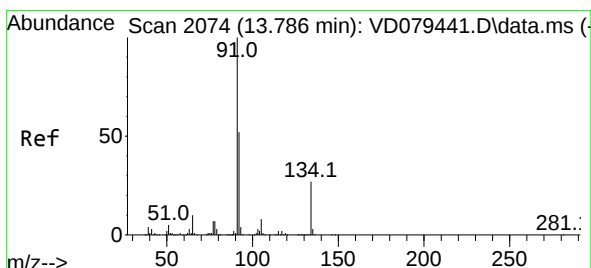
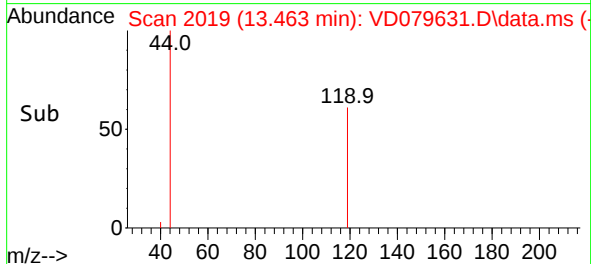
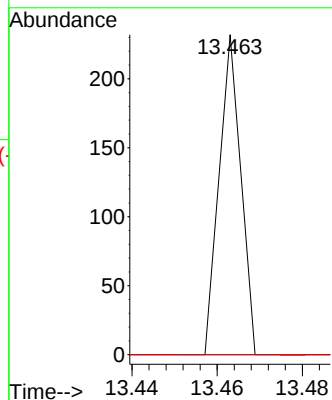
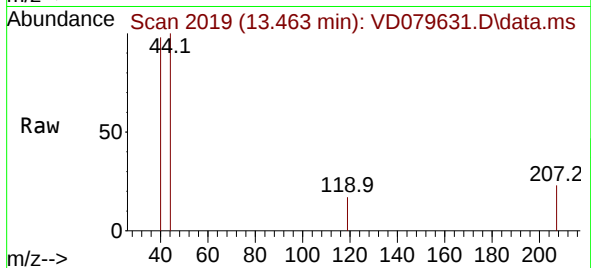
Acq: 06 Aug 2024 19:01

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	119	Resp:	82
Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.7	41.1#
91	0.0	10.7	32.1#



#89

n-Butylbenzene

Concen: 3.805 ug/l

RT: 13.781 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VD079631.D

Acq: 06 Aug 2024 19:01

Tgt Ion:	91	Resp:	226
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.7	77.0#
134	0.0	13.6	40.8#

