

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030123\
 Data File : VD075428.D
 Acq On : 01 Mar 2023 15:29
 Operator : KP/SY
 Sample : VSTD05014
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD050114

Quant Time: Mar 02 01:03:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM030123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Mar 02 01:01:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	385110	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	341680	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	176790	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	388612	40.641	ug/L	0.00
7) Chloroethane-d5	2.805	69	339384	41.003	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.922	63	402346	45.047	ug/L	0.00
21) 2-Butanone-d5	6.987	46	74411	83.974	ug/L	0.00
24) Chloroform-d	7.569	84	433516	42.954	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.228	65	185041	42.322	ug/L	0.00
32) Benzene-d6	8.199	84	894899	44.102	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	251015	43.768	ug/L	0.00
41) Toluene-d8	10.269	98	841309	45.448	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.528	79	105774	45.133	ug/L	0.00
47) 2-Hexanone-d5	10.881	63	76634	92.624	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.657	84	203648	42.450	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	281021	45.444	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	284638	48.041	ug/L	99
3) Chloromethane	2.146	50	457676	45.934	ug/L	100
5) Vinyl chloride	2.287	62	610414	48.714	ug/L	99
6) Bromomethane	2.693	94	288251	48.538	ug/L	99
8) Chloroethane	2.840	64	389427	48.956	ug/L	100
9) Trichlorofluoromethane	3.175	101	460981	49.143	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	324523	50.080	ug/L	99
12) 1,1-Dichloroethene	3.940	96	288322	50.522	ug/L	96
13) Acetone	4.022	43	93835	93.214	ug/L	95
14) Carbon disulfide	4.269	76	775273	48.590	ug/L	99
15) Methyl Acetate	4.563	43	76472	44.732	ug/L	96
16) Methylene chloride	4.799	84	309050	37.981	ug/L	99
17) trans-1,2-Dichloroethene	5.305	96	308569	50.448	ug/L	97
18) Methyl tert-butyl Ether	5.316	73	585492	51.508	ug/L	98
19) 1,1-Dichloroethane	6.110	63	510215	49.309	ug/L	98
20) cis-1,2-Dichloroethene	7.075	96	352103	50.959	ug/L	99
22) 2-Butanone	7.081	43	116990	92.102	ug/L	97
23) Bromochloromethane	7.428	128	146290	49.419	ug/L	89
25) Chloroform	7.593	83	552005	48.926	ug/L	100
27) 1,2-Dichloroethane	8.328	62	289776	47.627	ug/L	98
29) Cyclohexane	7.875	56	408726	55.905	ug/L	100
30) 1,1,1-Trichloroethane	7.793	97	462114	50.300	ug/L	99
31) Carbon tetrachloride	7.993	117	384860	52.742	ug/L	98
33) Benzene	8.251	78	1265439	51.534	ug/L	100
34) Trichloroethene	9.028	95	322526	50.294	ug/L	93
35) Methylcyclohexane	9.275	83	546743	54.647	ug/L	99
37) 1,2-Dichloropropane	9.304	63	302909	50.200	ug/L	100
38) Bromodichloromethane	9.587	83	397178	49.759	ug/L	99
39) cis-1,3-Dichloropropene	10.016	75	482905	52.294	ug/L	99
40) 4-Methyl-2-pentanone	10.157	43	240598	103.975	ug/L	99
42) Toluene	10.334	91	1432159	53.250	ug/L	97
44) trans-1,3-Dichloropropene	10.557	75	392749	51.621	ug/L	99

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 Quant Title : SFAM01.0
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 Response via : Initial Calibration

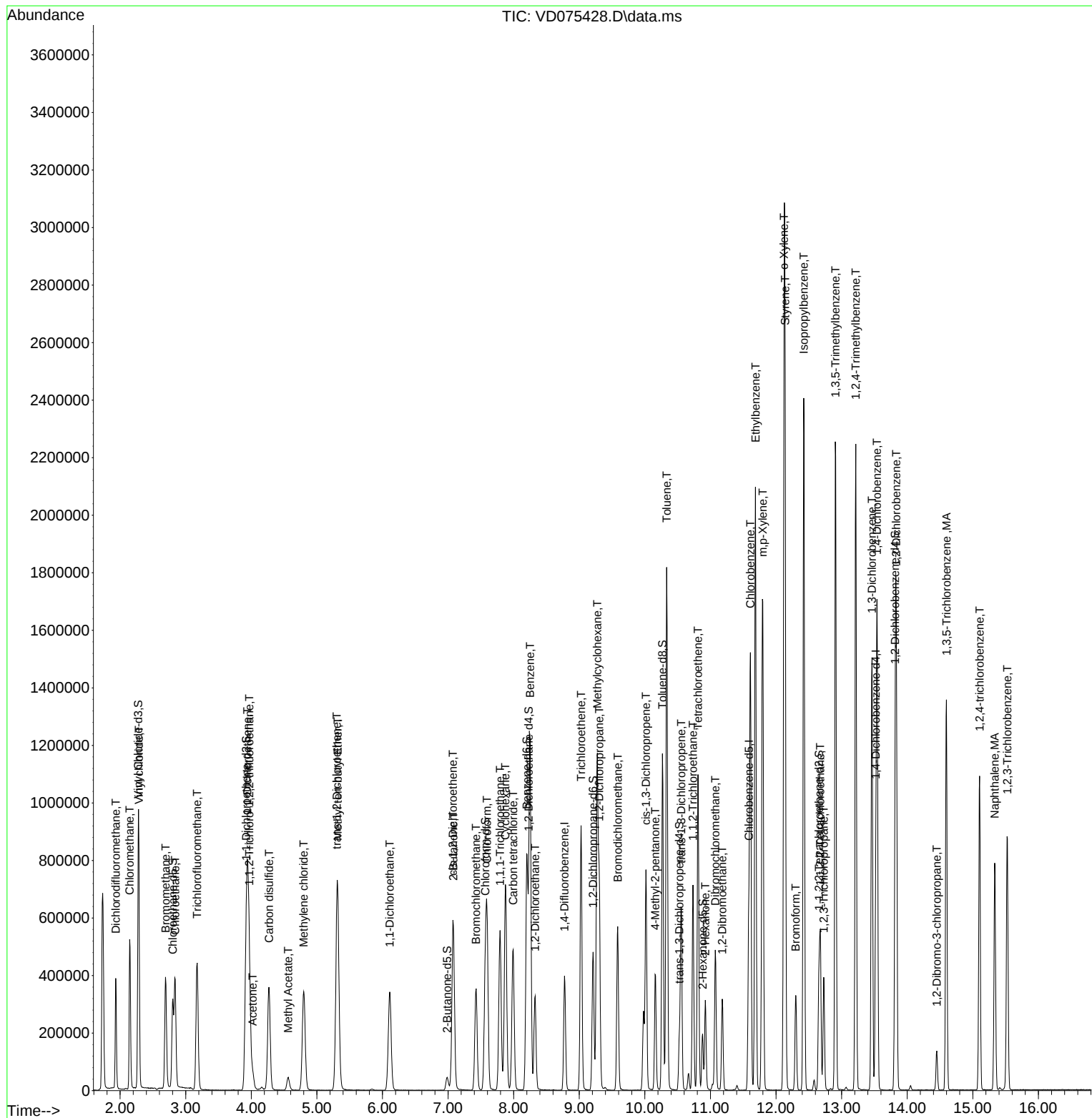
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.734	97	239514	49.698	ug/L	96
46) Tetrachloroethene	10.810	164	251880	51.259	ug/L	99
48) 2-Hexanone	10.922	43	174897	102.727	ug/L	98
49) Dibromochloromethane	11.075	129	266866	50.692	ug/L	98
50) 1,2-Dibromoethane	11.181	107	214905	49.331	ug/L	95
51) Chlorobenzene	11.610	112	903094	51.686	ug/L	99
52) Ethylbenzene	11.687	91	1556234	54.437	ug/L	100
53) m,p-Xylene	11.798	106	623617	55.366	ug/L	95
54) o-Xylene	12.122	106	602790	56.574	ug/L	99
55) Styrene	12.140	104	1048317	55.396	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.675	83	261852	49.643	ug/L	98
59) Bromoform	12.298	173	153560	48.137	ug/L	99
60) Isopropylbenzene	12.422	105	1618312	54.428	ug/L	100
61) 1,2,3-Trichloropropane	12.728	75	165112	46.591	ug/L	100
62) 1,3,5-Trimethylbenzene	12.904	105	1254495	56.204	ug/L	98
63) 1,2,4-Trimethylbenzene	13.216	105	1225046	56.131	ug/L	99
64) 1,3-Dichlorobenzene	13.463	146	681694	51.828	ug/L	96
65) 1,4-Dichlorobenzene	13.539	146	695375	51.396	ug/L	97
67) 1,2-Dichlorobenzene	13.834	146	603736	51.516	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.451	75	32940	47.864	ug/L	90
69) 1,3,5-Trichlorobenzene	14.598	180	428680	51.974	ug/L	100
70) 1,2,4-trichlorobenzene	15.104	180	352740	53.190	ug/L	98
71) Naphthalene	15.333	128	701610	53.342	ug/L	100
72) 1,2,3-Trichlorobenzene	15.528	180	310488	53.116	ug/L	100

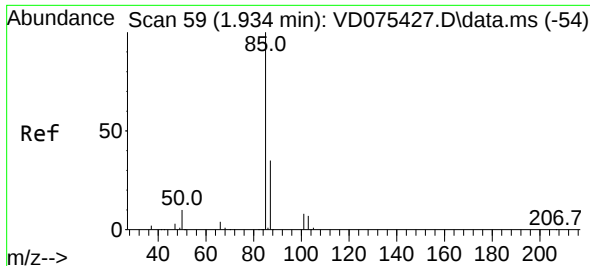
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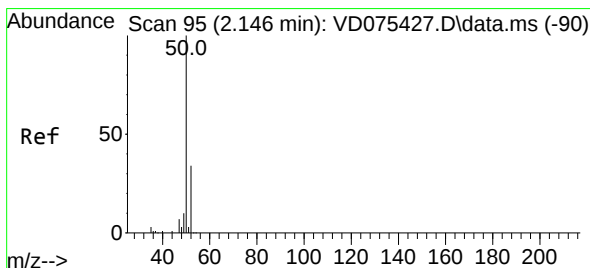
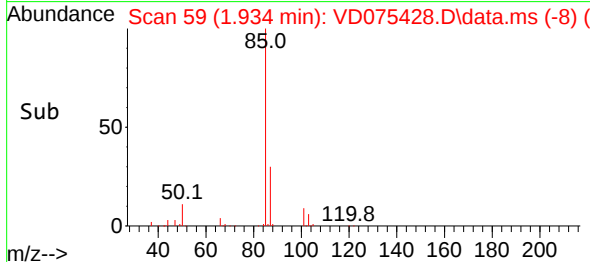
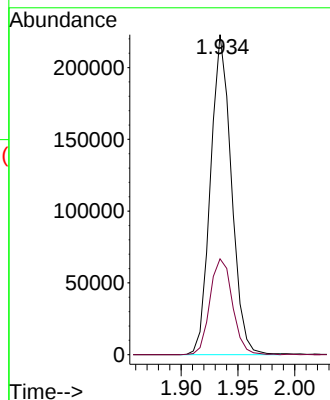
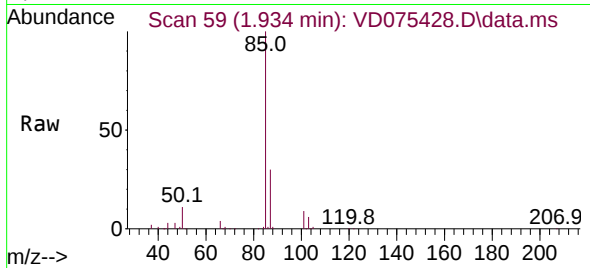




#2
Dichlorodifluoromethane
Concen: 48.041 ug/L
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

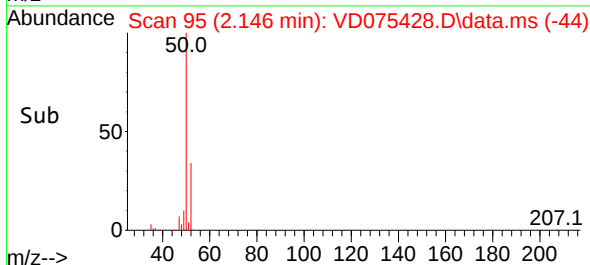
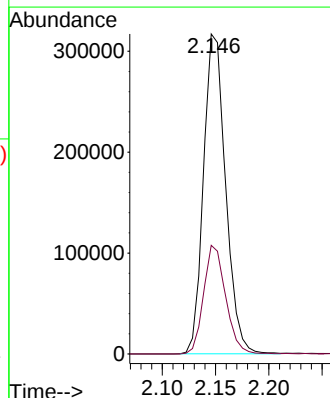
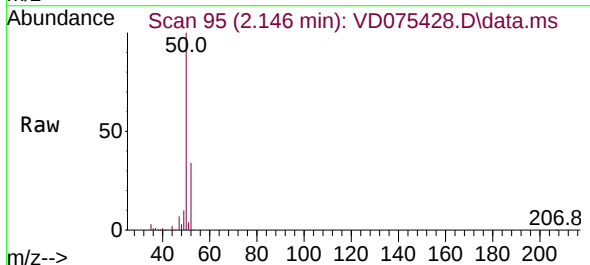
Instrument :
MSVOA_D
ClientSampleId :
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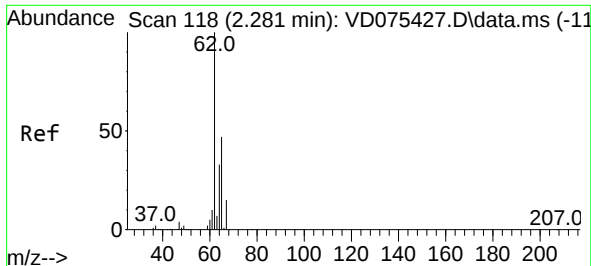
Tgt Ion: 85 Resp: 284638
Ion Ratio Lower Upper
85 100
87 32.3 26.4 39.6



#3
Chloromethane
Concen: 45.934 ug/L
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

Tgt Ion: 50 Resp: 457676
Ion Ratio Lower Upper
50 100
52 33.9 23.7 43.9

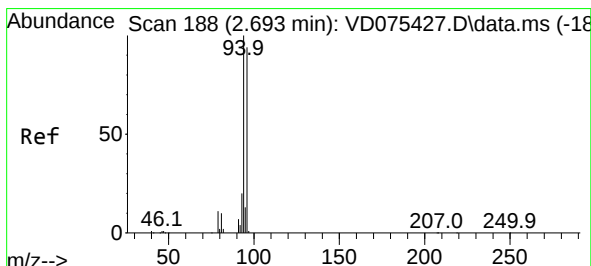
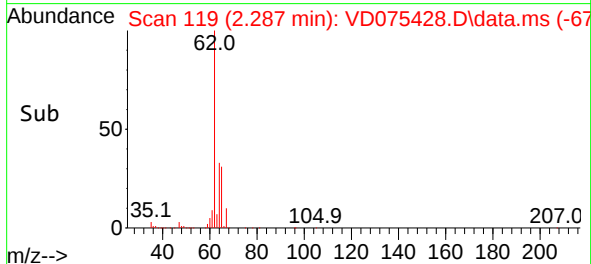
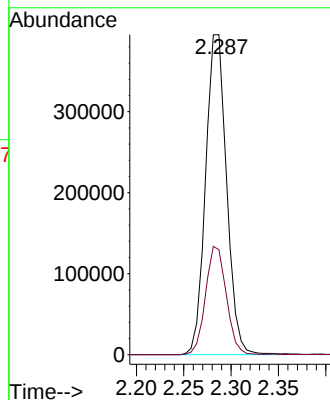
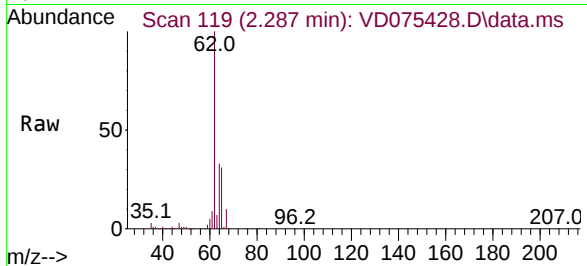




#5
 Vinyl chloride
 Concen: 48.714 ug/L
 RT: 2.287 min Scan# 118
 Delta R.T. 0.006 min
 Lab File: VD075428.D
 Acq: 01 Mar 2023 15:29

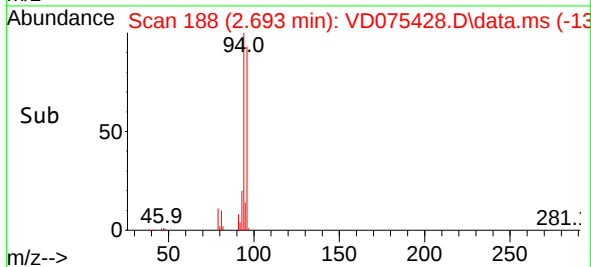
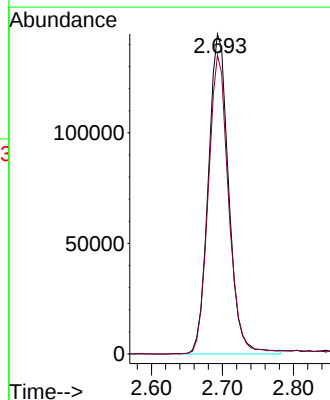
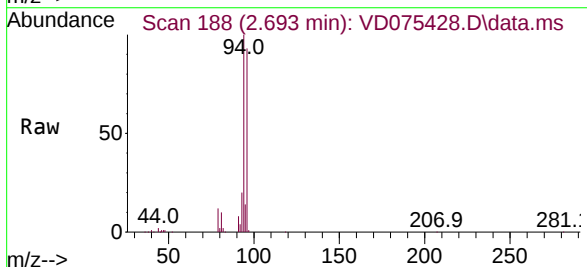
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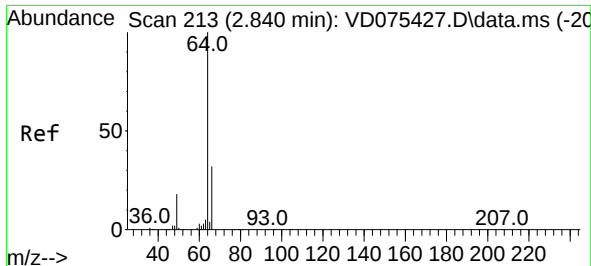
Tgt Ion: 62 Resp: 610414
 Ion Ratio Lower Upper
 62 100
 64 32.8 22.7 42.3



#6
 Bromomethane
 Concen: 48.538 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. 0.000 min
 Lab File: VD075428.D
 Acq: 01 Mar 2023 15:29

Tgt Ion: 94 Resp: 288251
 Ion Ratio Lower Upper
 94 100
 96 93.4 65.9 122.5

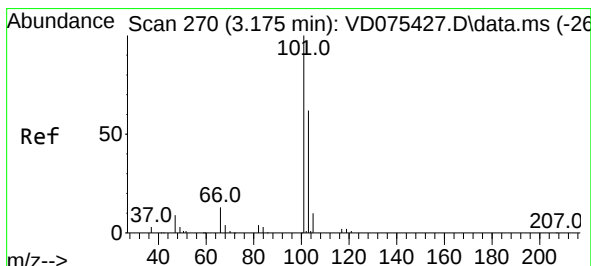
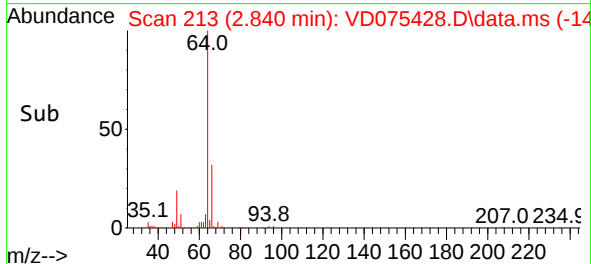
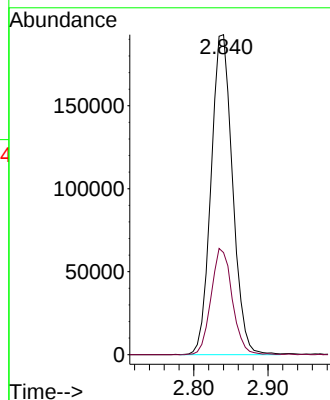
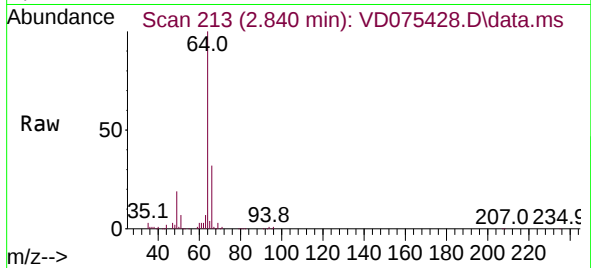




#8
Chloroethane
Concen: 48.956 ug/L
RT: 2.840 min Scan# 213
Delta R.T. 0.000 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

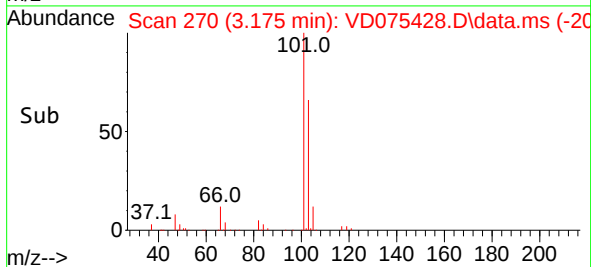
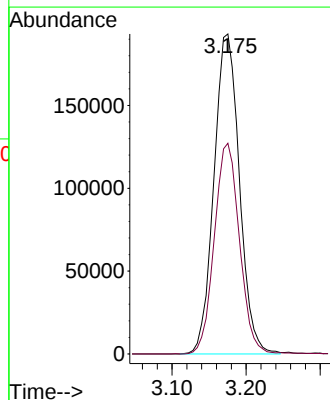
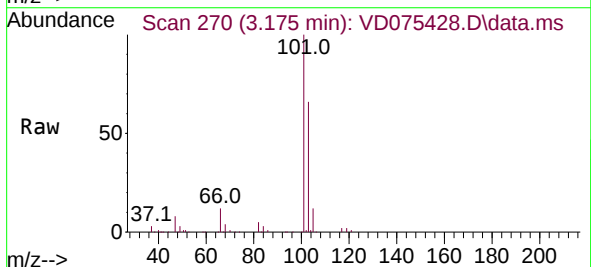
Instrument :
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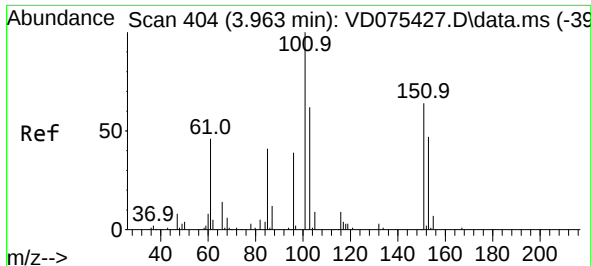
Tgt Ion: 64 Resp: 389427
Ion Ratio Lower Upper
64 100
66 31.9 22.2 41.2



#9
Trichlorofluoromethane
Concen: 49.143 ug/L
RT: 3.175 min Scan# 270
Delta R.T. 0.000 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

Tgt Ion:101 Resp: 460981
Ion Ratio Lower Upper
101 100
103 65.2 51.8 77.8

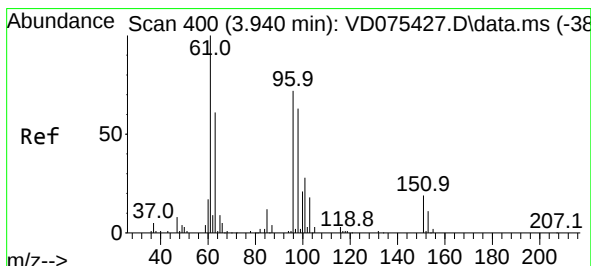
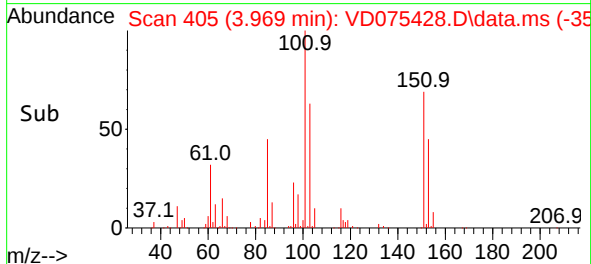
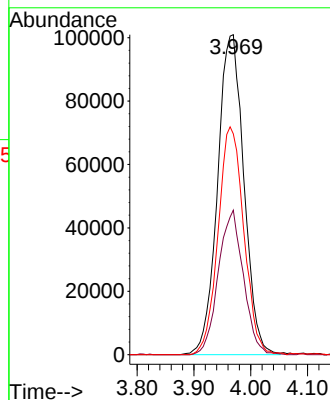
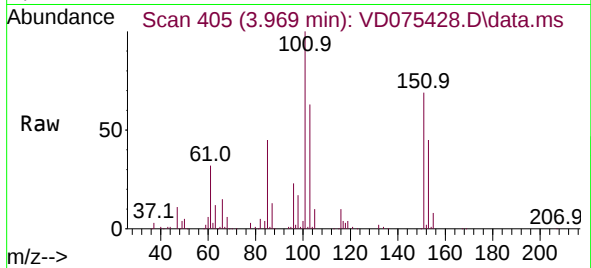




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 50.080 ug/L
 RT: 3.969 min Scan# 404
 Delta R.T. 0.006 min
 Lab File: VD075428.D
 Acq: 01 Mar 2023 15:29

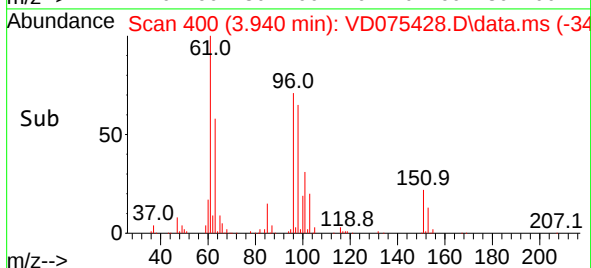
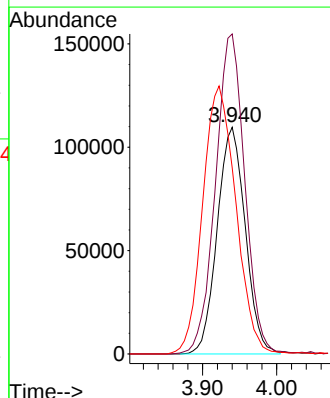
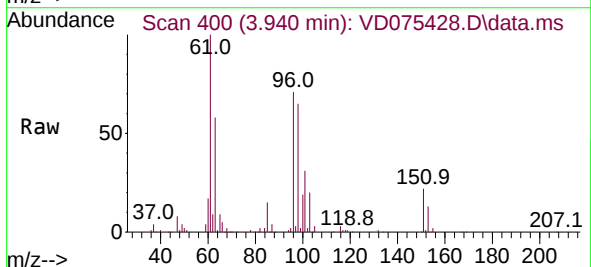
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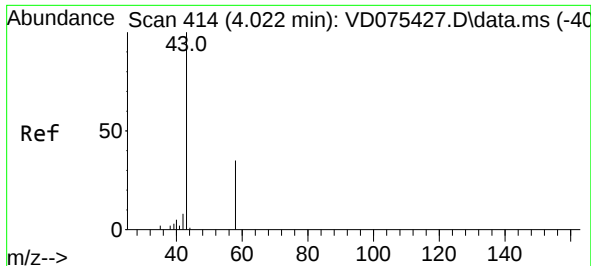
Tgt Ion:101 Resp: 324523
 Ion Ratio Lower Upper
 101 100
 85 42.8 34.0 51.0
 151 69.6 54.8 82.2



#12
 1,1-Dichloroethene
 Concen: 50.522 ug/L
 RT: 3.940 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VD075428.D
 Acq: 01 Mar 2023 15:29

Tgt Ion: 96 Resp: 288322
 Ion Ratio Lower Upper
 96 100
 61 141.1 97.5 181.1
 63 82.1 62.4 116.0





#13

Acetone

Concen: 93.214 ug/L

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

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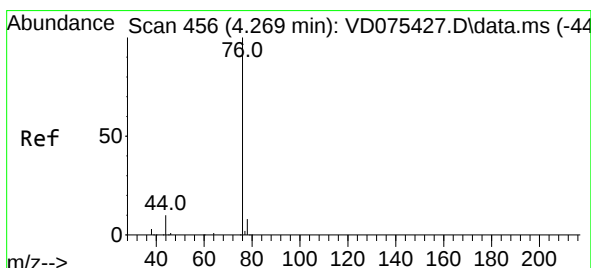
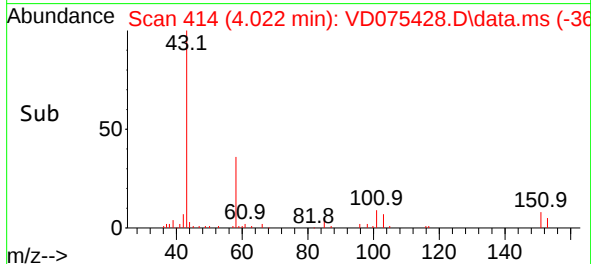
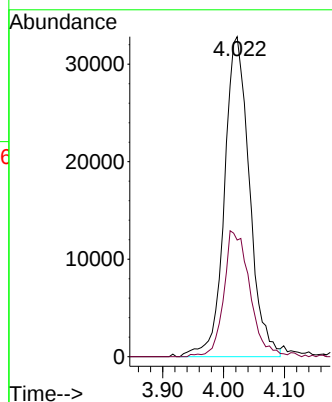
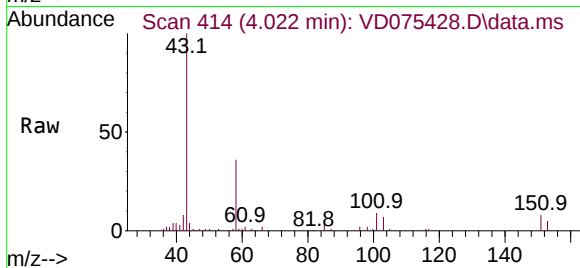
VSTD050114

Tgt Ion: 43 Resp: 93835

Ion Ratio Lower Upper

43 100

58 40.5 0.0 75.4



#14

Carbon disulfide

Concen: 48.590 ug/L

RT: 4.269 min Scan# 456

Delta R.T. 0.000 min

Lab File: VD075428.D

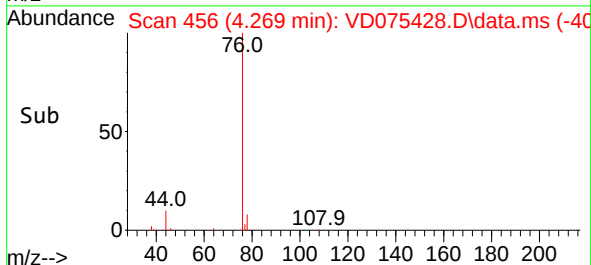
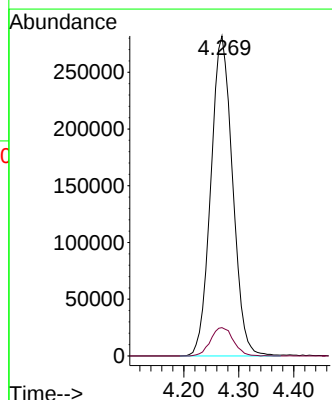
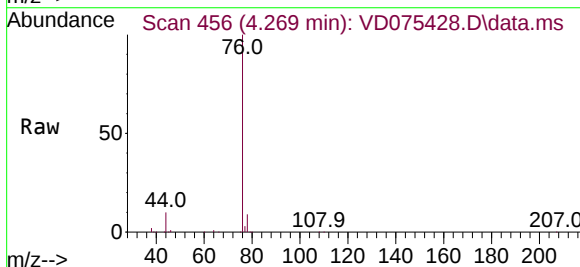
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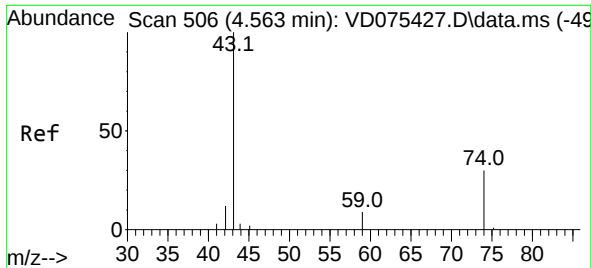
Tgt Ion: 76 Resp: 775273

Ion Ratio Lower Upper

76 100

78 8.9 6.8 10.2

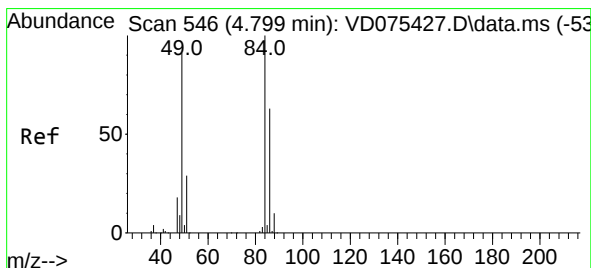
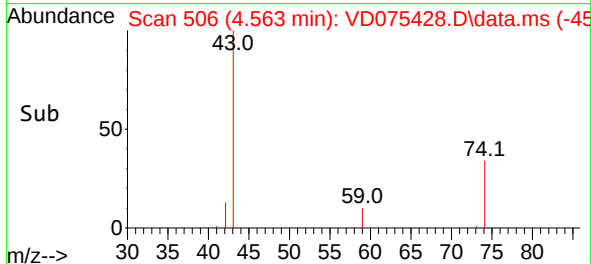
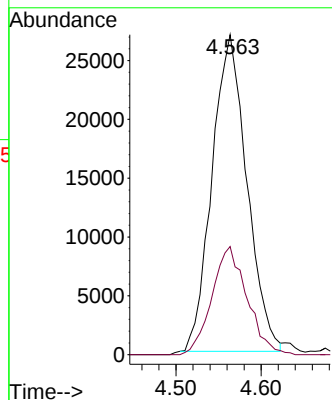
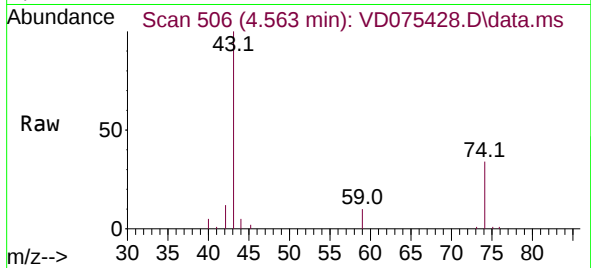




#15
Methyl Acetate
Concen: 44.732 ug/L
RT: 4.563 min Scan# 506
Delta R.T. 0.000 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

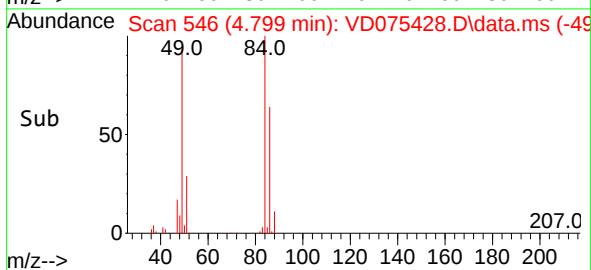
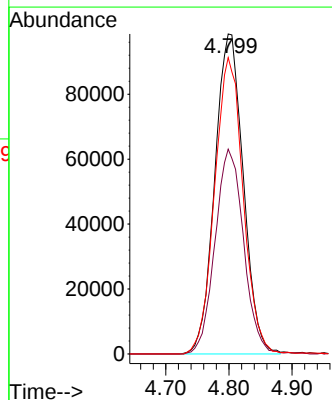
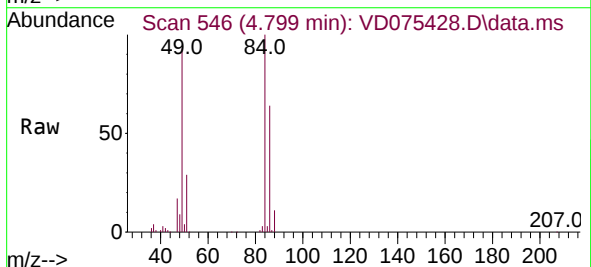
Instrument :
MSVOA_D
ClientSampleId :
VSTD050114

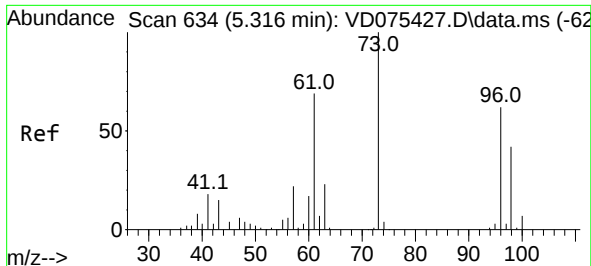
Tgt Ion: 43 Resp: 76472
Ion Ratio Lower Upper
43 100
74 34.4 25.7 38.5



#16
Methylene chloride
Concen: 37.981 ug/L
RT: 4.799 min Scan# 546
Delta R.T. 0.000 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

Tgt Ion: 84 Resp: 309050
Ion Ratio Lower Upper
84 100
86 64.0 44.2 82.2
49 92.6 63.6 118.2

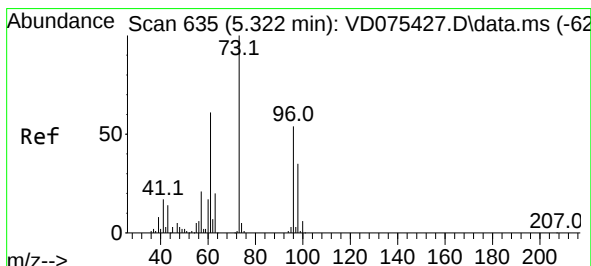
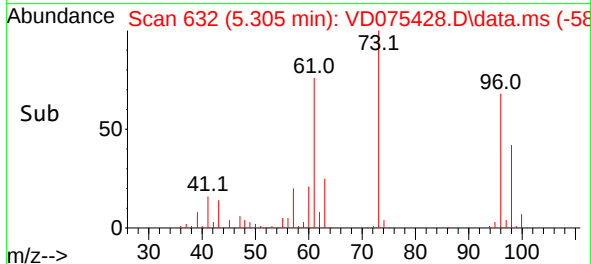
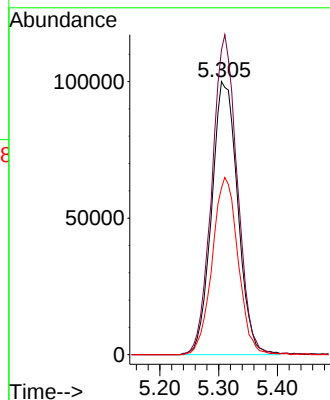
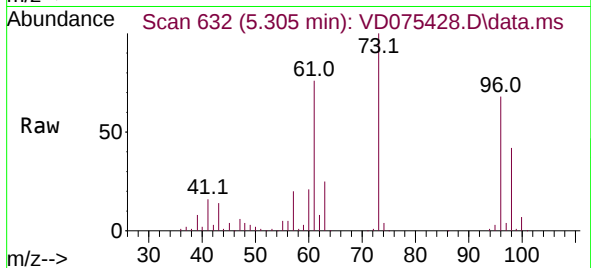




#17
trans-1,2-Dichloroethene
Concen: 50.448 ug/L
RT: 5.305 min Scan# 61
Delta R.T. -0.012 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

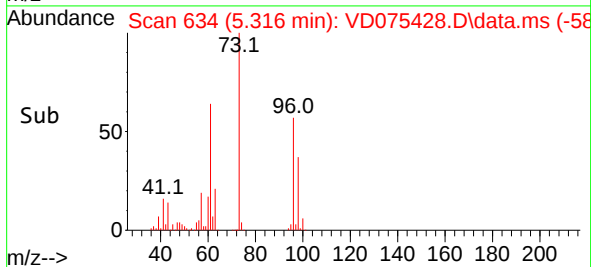
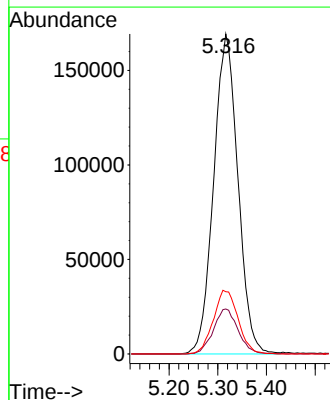
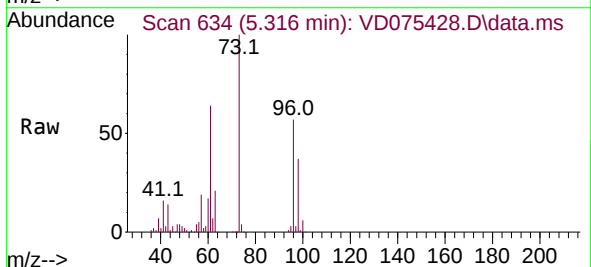
Instrument :
MSVOA_D
ClientSampleId :
VSTD050114

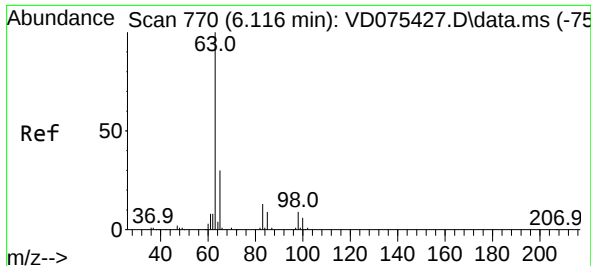
Tgt Ion: 96 Resp: 308569
Ion Ratio Lower Upper
96 100
61 111.7 77.8 144.6
98 61.1 47.0 87.4



#18
Methyl tert-butyl Ether
Concen: 51.508 ug/L
RT: 5.316 min Scan# 634
Delta R.T. -0.006 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

Tgt Ion: 73 Resp: 585492
Ion Ratio Lower Upper
73 100
43 14.3 12.1 18.1
57 20.3 17.0 25.4





#19

1,1-Dichloroethane

Concen: 49.309 ug/L

RT: 6.110 min Scan# 7

Delta R.T. -0.006 min

Lab File: VD075428.D

Acq: 01 Mar 2023 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTD050114

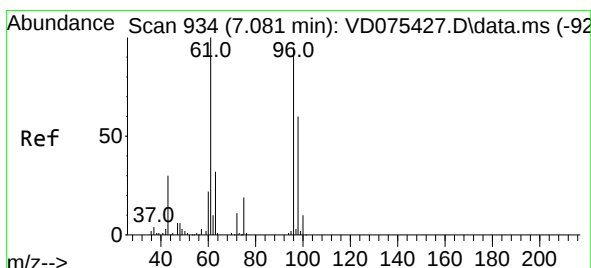
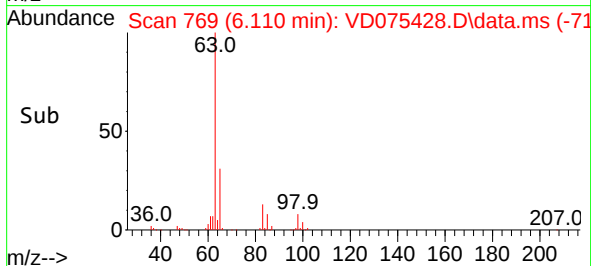
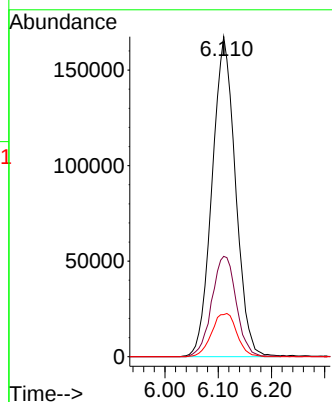
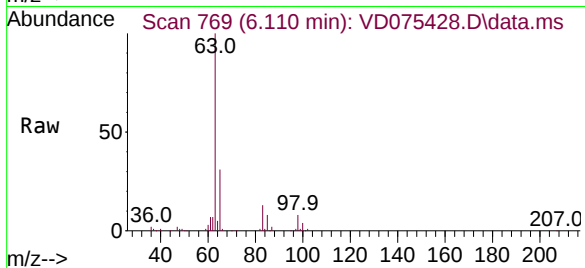
Tgt Ion: 63 Resp: 510215

Ion Ratio Lower Upper

63 100

65 31.3 21.1 39.3

83 13.1 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 50.959 ug/L

RT: 7.075 min Scan# 933

Delta R.T. -0.006 min

Lab File: VD075428.D

Acq: 01 Mar 2023 15:29

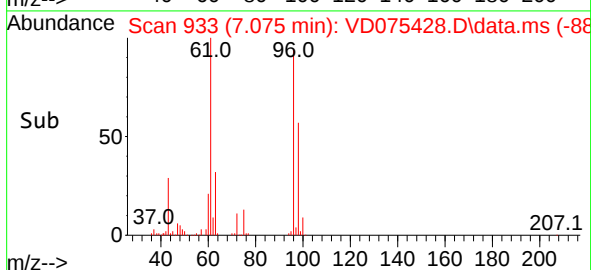
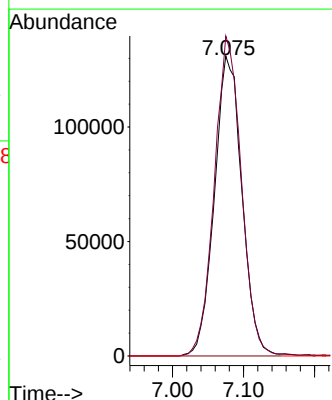
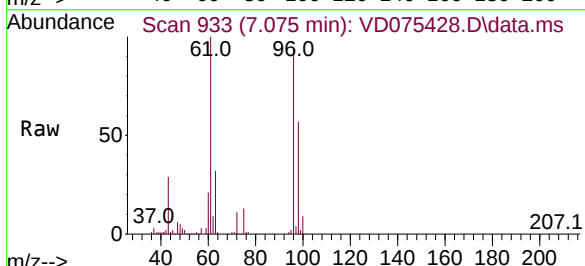
Tgt Ion: 96 Resp: 352103

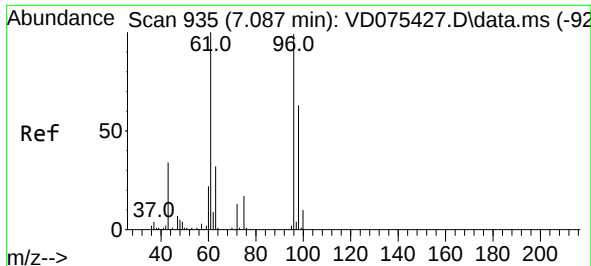
Ion Ratio Lower Upper

96 100

61 106.7 73.9 137.3

68 0.0 0.0 0.0

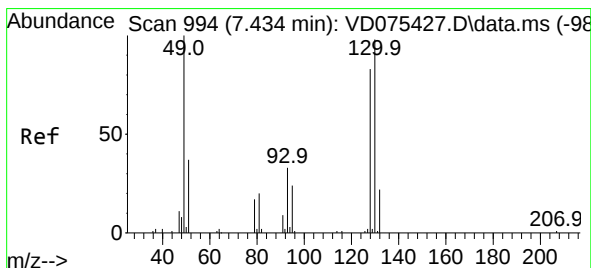
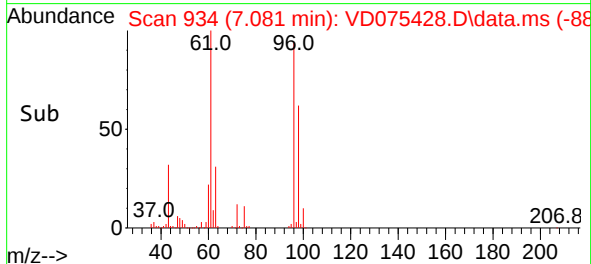
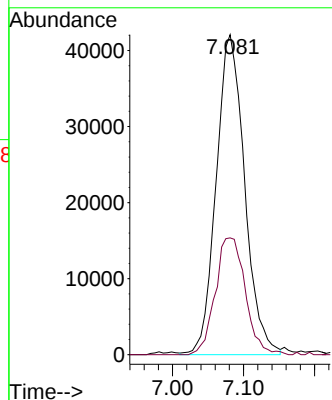
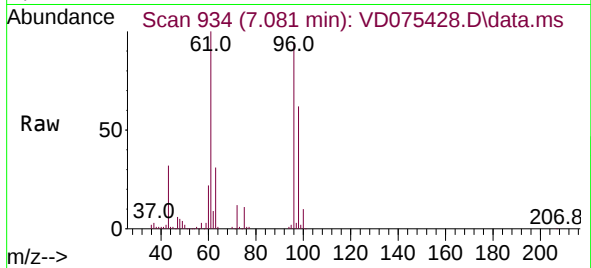




#22
2-Butanone
Concen: 92.102 ug/L
RT: 7.081 min Scan# 911
Delta R.T. -0.006 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

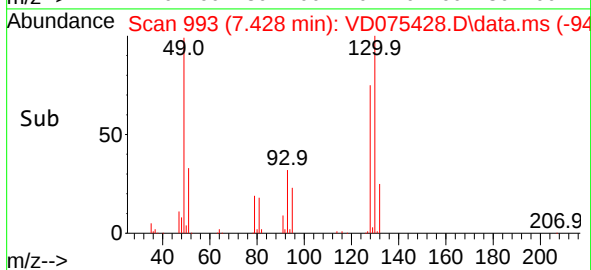
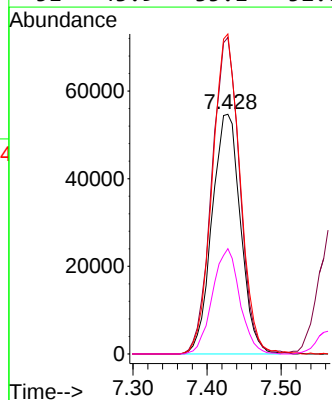
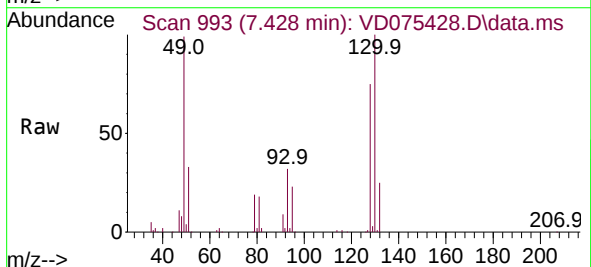
Instrument :
MSVOA_D
ClientSampleId :
VSTD050114

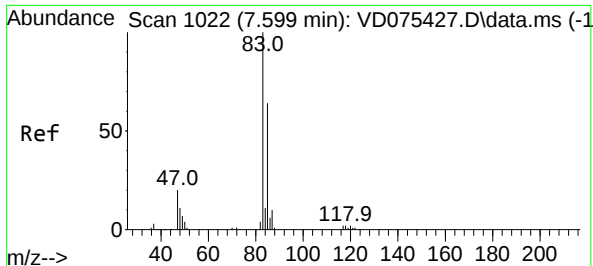
Tgt Ion: 43 Resp: 116990
Ion Ratio Lower Upper
43 100
72 38.2 18.3 54.9



#23
Bromochloromethane
Concen: 49.419 ug/L
RT: 7.428 min Scan# 993
Delta R.T. -0.006 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

Tgt Ion: 128 Resp: 146290
Ion Ratio Lower Upper
128 100
49 132.1 84.2 156.4
130 133.5 82.5 153.1
51 43.9 35.1 52.7





#25

Chloroform

Concen: 48.926 ug/L

RT: 7.593 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VD075428.D

Acq: 01 Mar 2023 15:29

Instrument :

MSVOA_D

ClientSampleId :

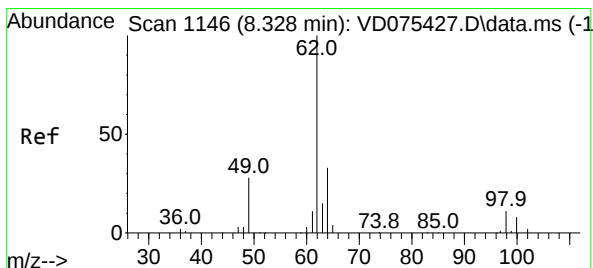
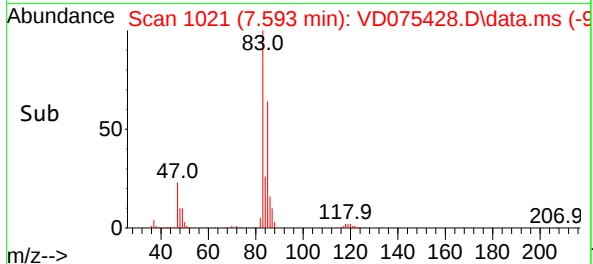
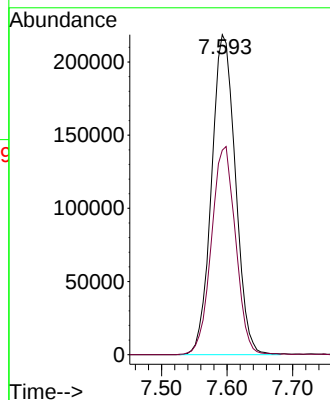
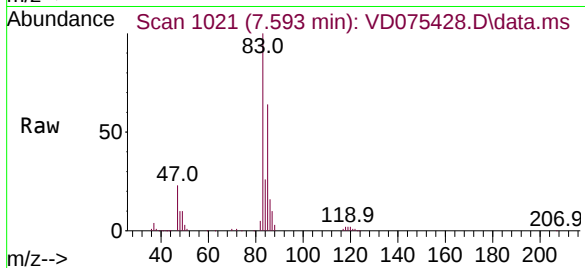
VSTD050114

Tgt Ion: 83 Resp: 552005

Ion Ratio Lower Upper

83 100

85 63.9 44.9 83.3



#27

1,2-Dichloroethane

Concen: 47.627 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VD075428.D

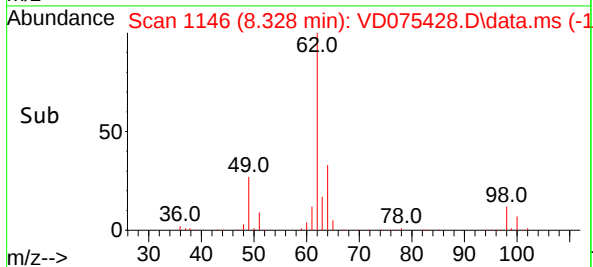
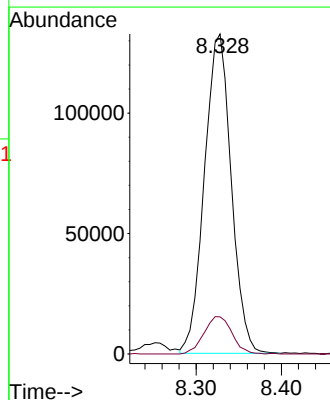
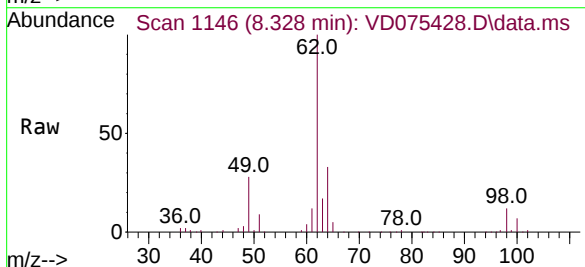
Acq: 01 Mar 2023 15:29

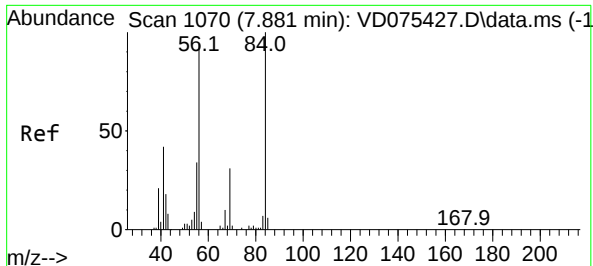
Tgt Ion: 62 Resp: 289776

Ion Ratio Lower Upper

62 100

98 11.6 8.8 13.2





#29

Cyclohexane

Concen: 55.905 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD075428.D

Acq: 01 Mar 2023 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTD050114

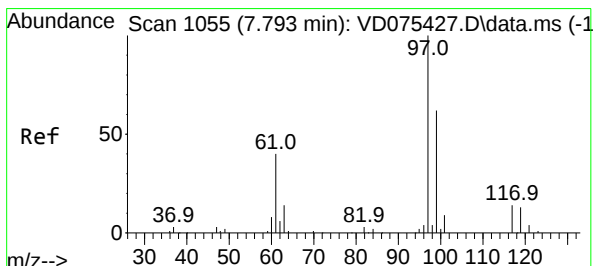
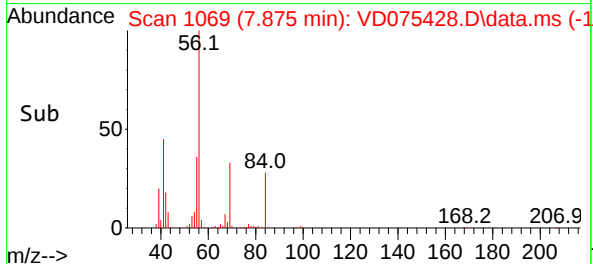
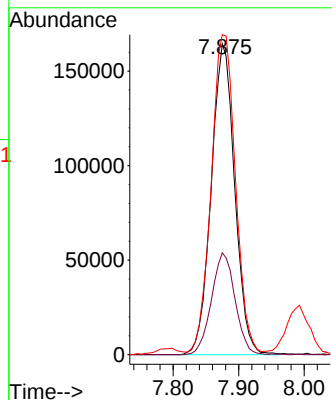
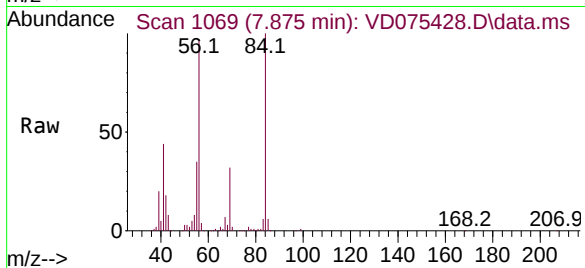
Tgt Ion: 56 Resp: 408726

Ion Ratio Lower Upper

56 100

69 32.8 27.0 40.6

84 106.2 85.0 127.6



#30

1,1,1-Trichloroethane

Concen: 50.300 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD075428.D

Acq: 01 Mar 2023 15:29

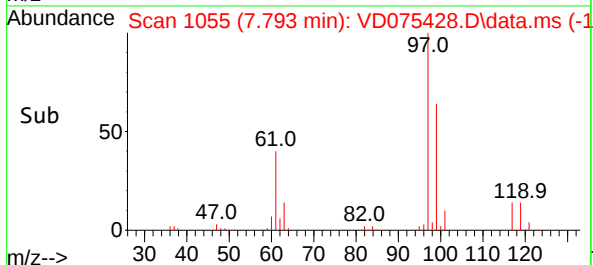
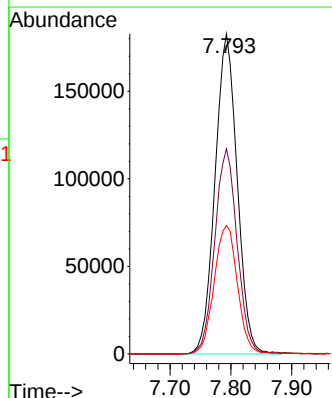
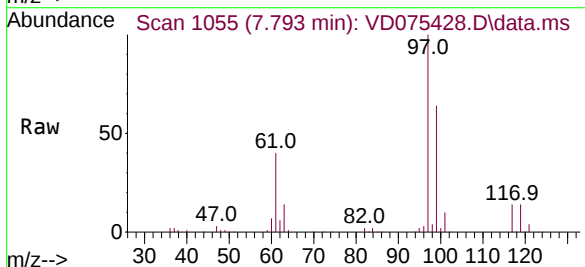
Tgt Ion: 97 Resp: 462114

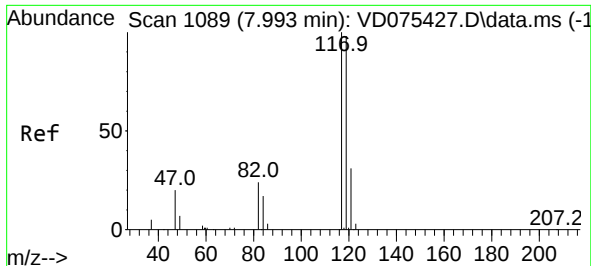
Ion Ratio Lower Upper

97 100

99 64.7 51.0 76.4

61 42.1 34.0 51.0

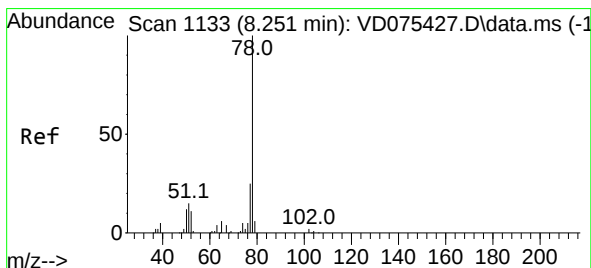
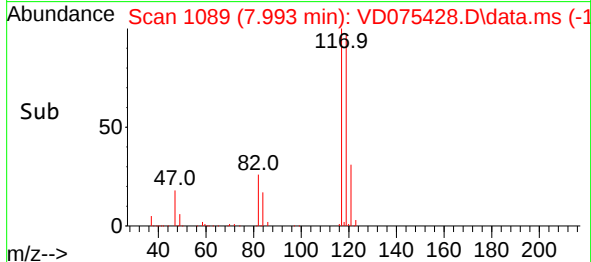
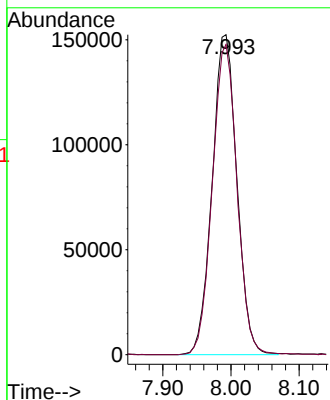
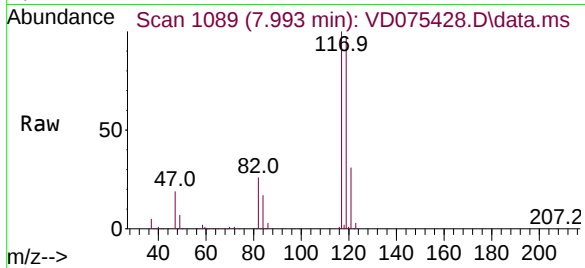




#31
Carbon tetrachloride
Concen: 52.742 ug/L
RT: 7.993 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

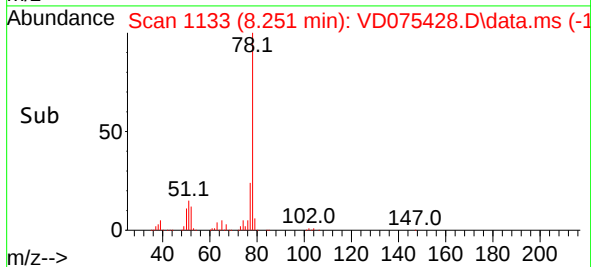
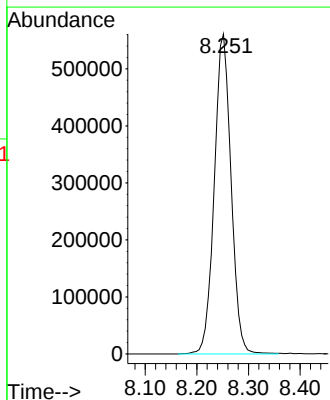
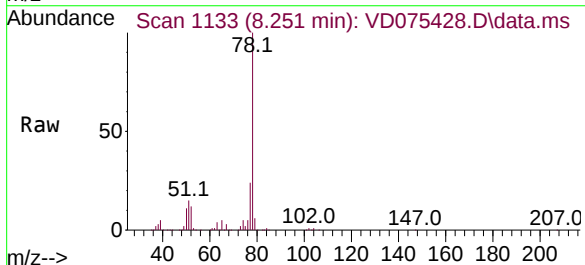
Instrument :
MSVOA_D
ClientSampleId :
VSTD050114

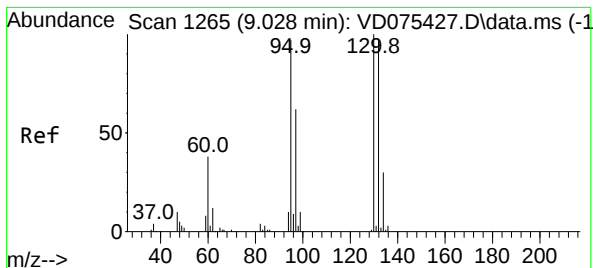
Tgt Ion:117 Resp: 384860
Ion Ratio Lower Upper
117 100
119 96.7 76.2 114.2



#33
Benzene
Concen: 51.534 ug/L
RT: 8.251 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

Tgt Ion: 78 Resp: 1265439





#34

Trichloroethene

Concen: 50.294 ug/L

RT: 9.028 min Scan# 1265

Delta R.T. 0.000 min

Lab File: VD075428.D

Acq: 01 Mar 2023 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTD050114

Tgt Ion: 95 Resp: 322526

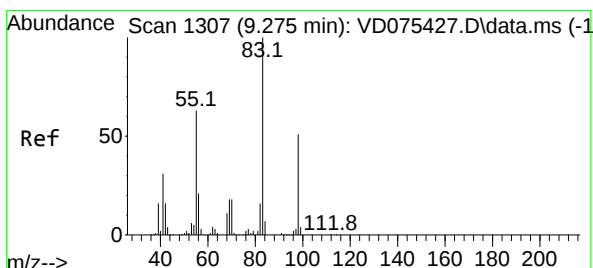
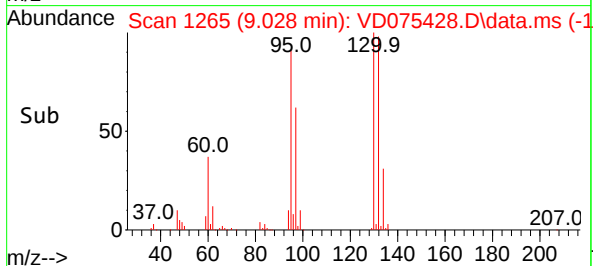
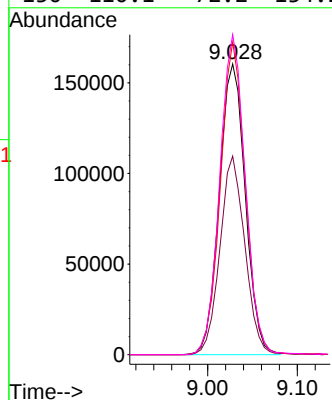
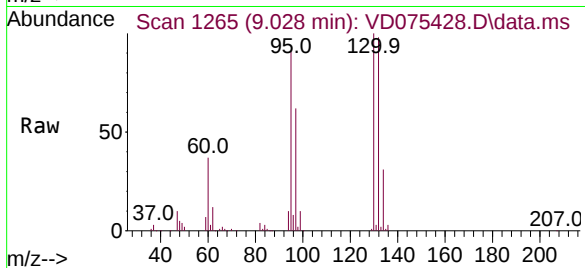
Ion Ratio Lower Upper

95 100

97 68.3 44.7 83.1

132 107.5 70.0 130.0

130 110.1 72.2 134.2



#35

Methylcyclohexane

Concen: 54.647 ug/L

RT: 9.275 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VD075428.D

Acq: 01 Mar 2023 15:29

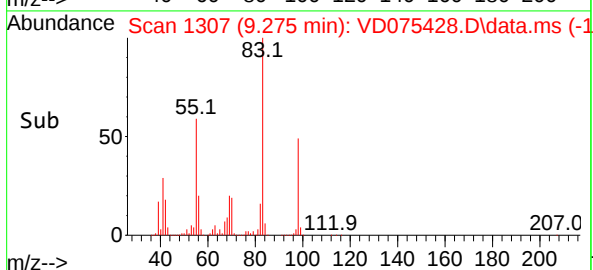
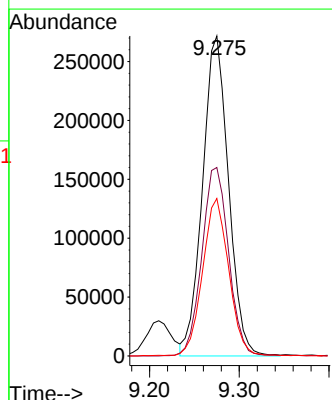
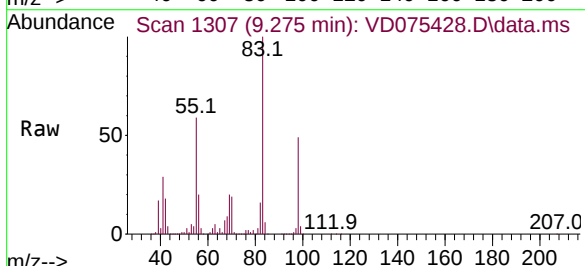
Tgt Ion: 83 Resp: 546743

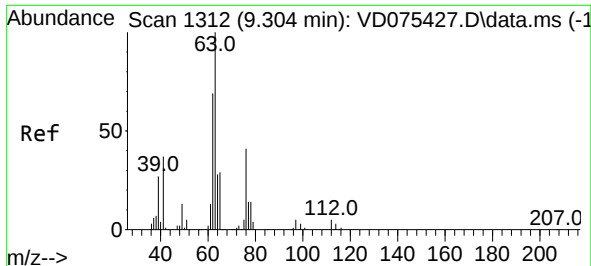
Ion Ratio Lower Upper

83 100

55 60.7 49.3 73.9

98 49.5 39.8 59.6





#37

1,2-Dichloropropane

Concen: 50.200 ug/L

RT: 9.304 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD075428.D

Acq: 01 Mar 2023 15:29

Instrument :

MSVOA_D

ClientSampleId :

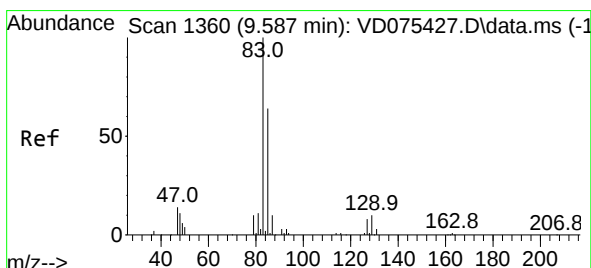
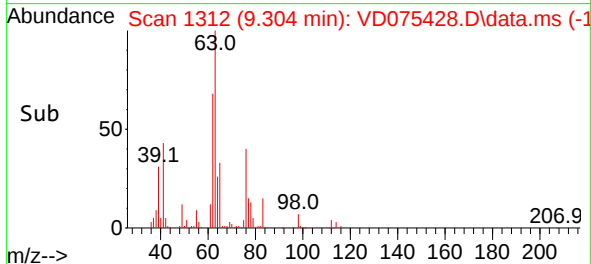
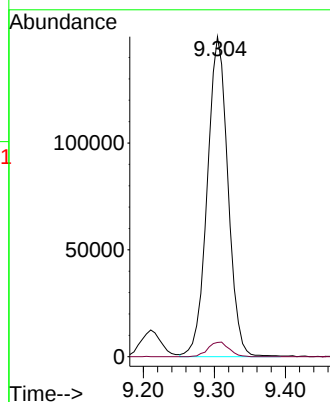
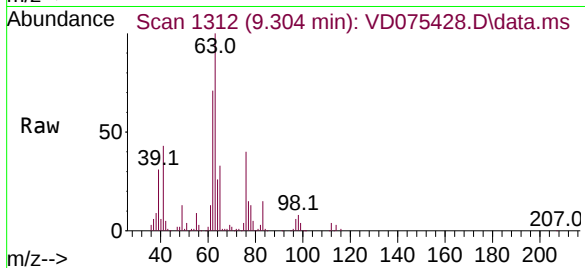
VSTD050114

Tgt Ion: 63 Resp: 302909

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



#38

Bromodichloromethane

Concen: 49.759 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. 0.000 min

Lab File: VD075428.D

Acq: 01 Mar 2023 15:29

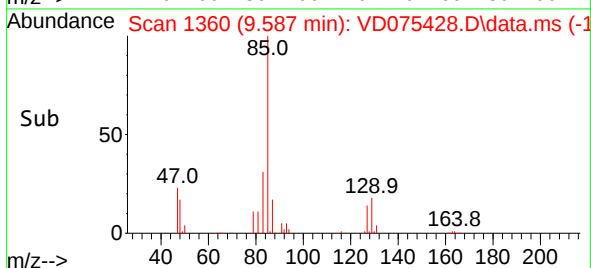
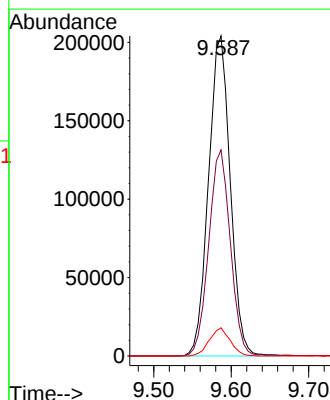
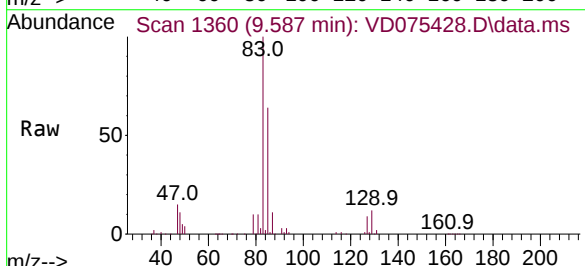
Tgt Ion: 83 Resp: 397178

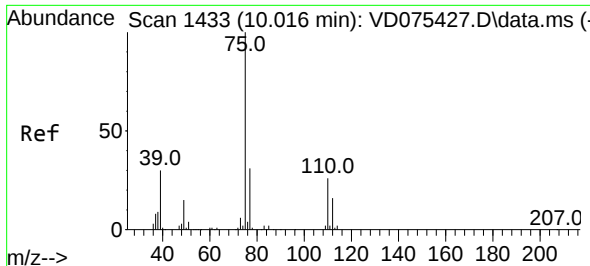
Ion Ratio Lower Upper

83 100

85 64.4 44.6 82.8

127 8.8 6.6 9.8

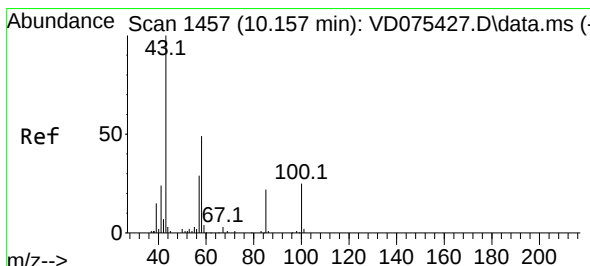
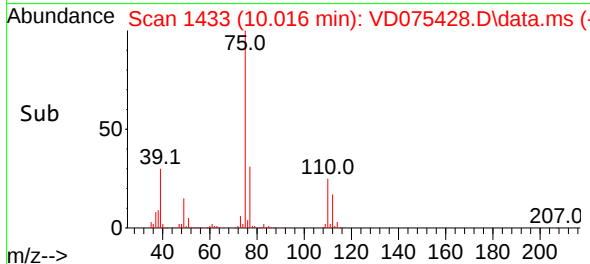
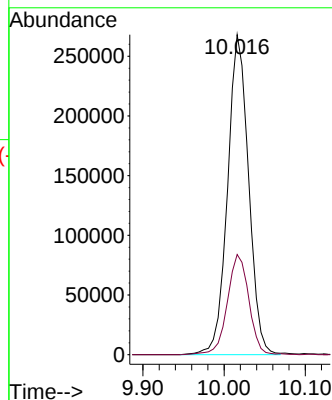
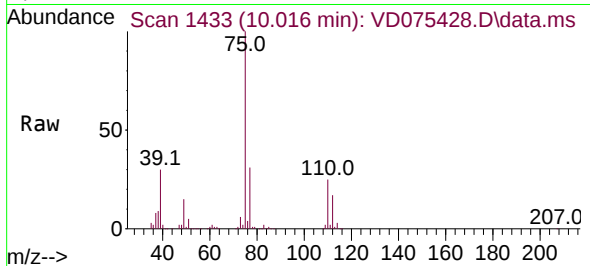




#39
cis-1,3-Dichloropropene
Concen: 52.294 ug/L
RT: 10.016 min Scan# 1433
Delta R.T. 0.000 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

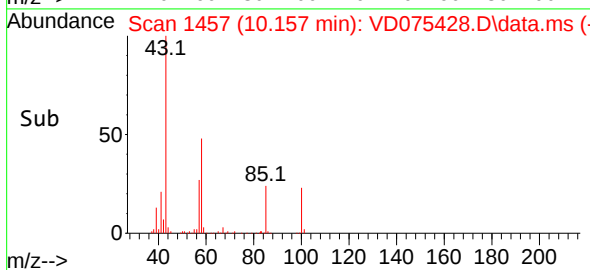
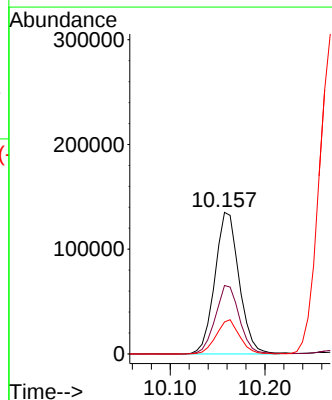
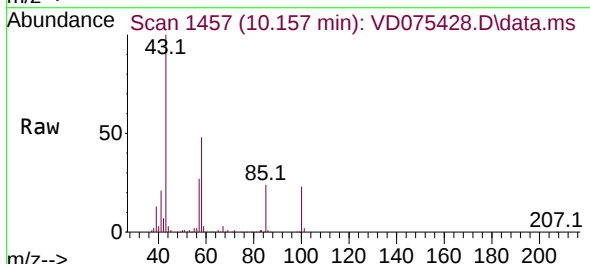
Instrument :
MSVOA_D
ClientSampleId :
VSTD050114

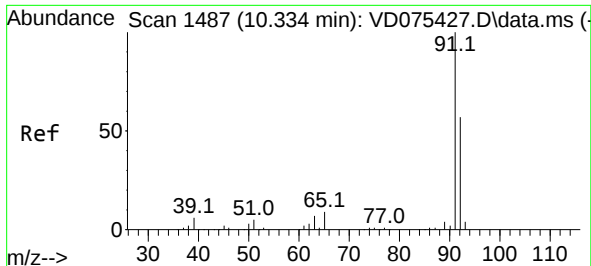
Tgt Ion: 75 Resp: 482905
Ion Ratio Lower Upper
75 100
77 31.3 21.6 40.0



#40
4-Methyl-2-pentanone
Concen: 103.975 ug/L
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

Tgt Ion: 43 Resp: 240598
Ion Ratio Lower Upper
43 100
58 48.1 39.0 58.6
100 23.3 18.7 28.1

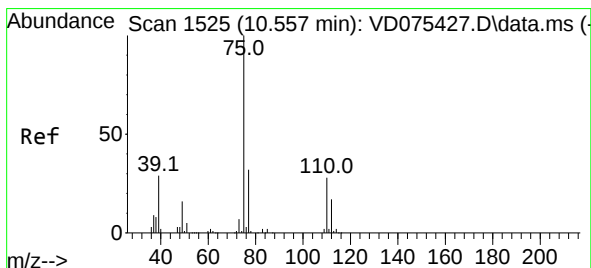
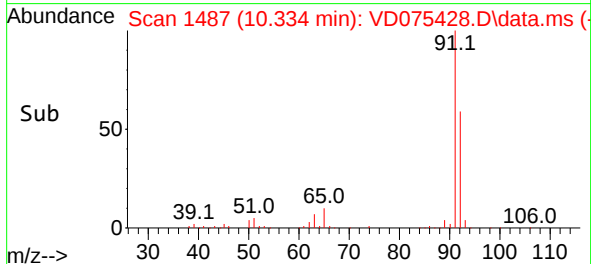
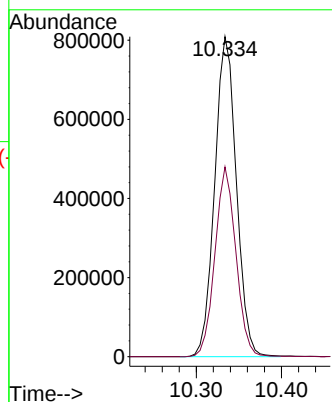
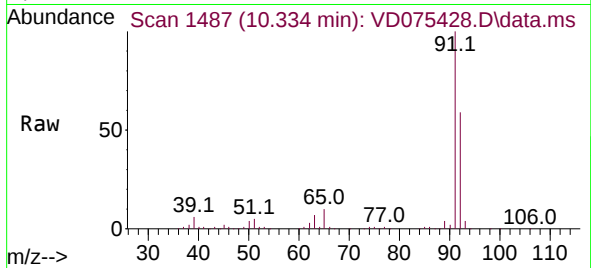




#42
Toluene
Concen: 53.250 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

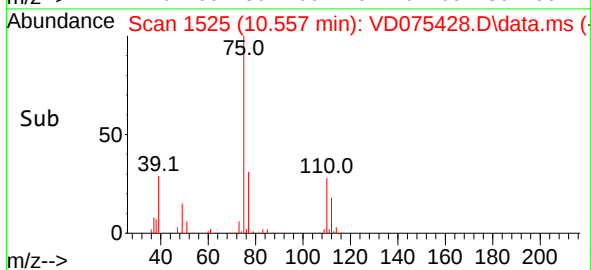
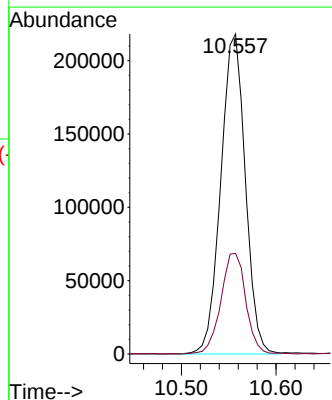
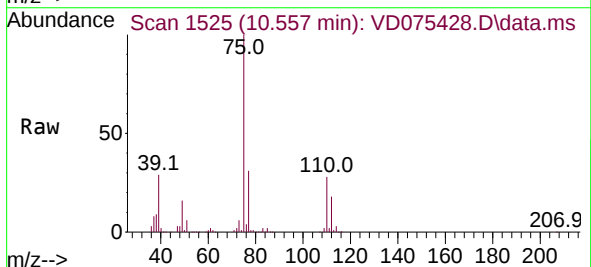
Instrument :
MSVOA_D
ClientSampleId :
VSTD050114

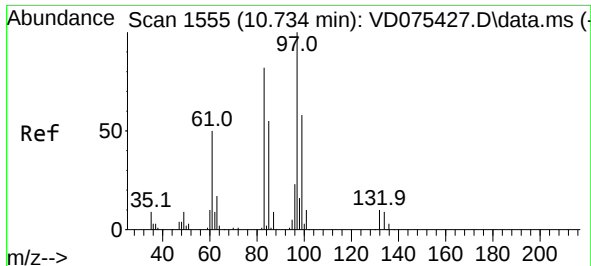
Tgt Ion: 91 Resp: 1432159
Ion Ratio Lower Upper
91 100
92 59.3 40.2 74.6



#44
trans-1,3-Dichloropropene
Concen: 51.621 ug/L
RT: 10.557 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

Tgt Ion: 75 Resp: 392749
Ion Ratio Lower Upper
75 100
77 31.4 22.4 41.6

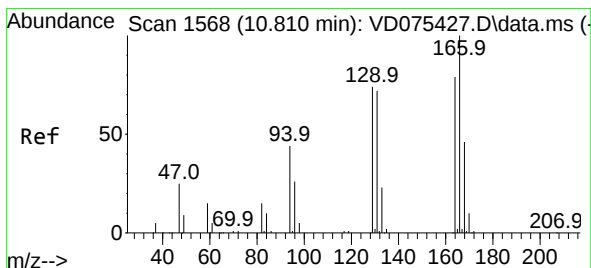
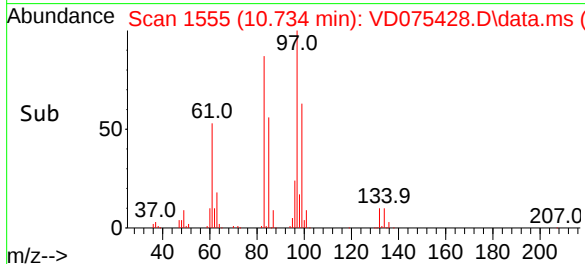
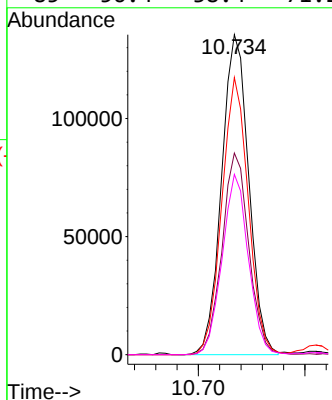
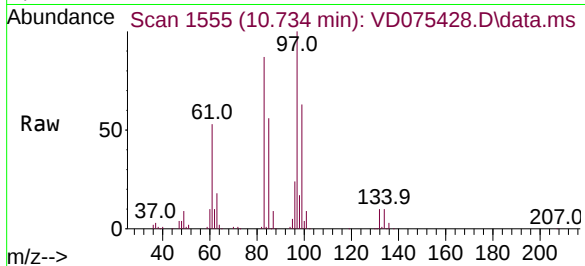




#45
1,1,2-Trichloroethane
Concen: 49.698 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

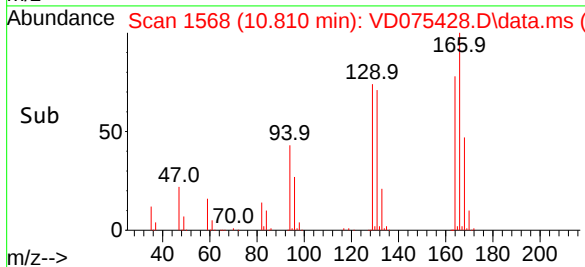
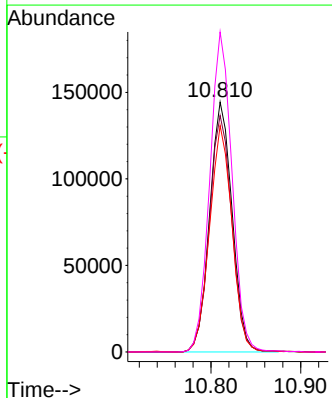
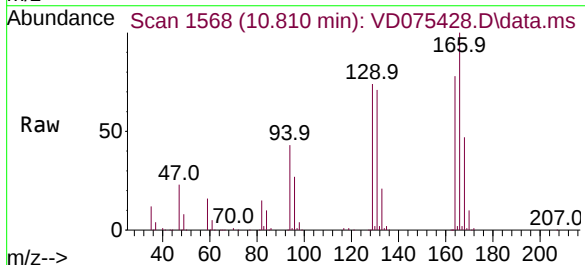
Instrument :
MSVOA_D
ClientSampleId :
VSTD050114

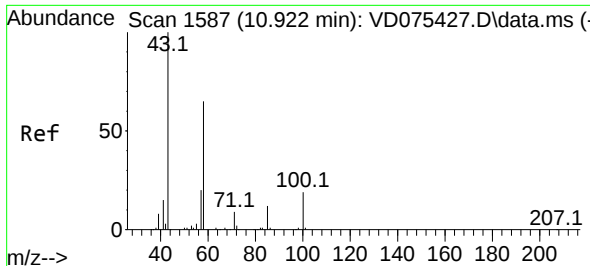
Tgt Ion:	97	Resp:	239514
Ion	Ratio	Lower	Upper
97	100		
99	63.0	40.9	76.0
83	86.6	57.7	107.1
85	56.4	38.4	71.2



#46
Tetrachloroethene
Concen: 51.259 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

Tgt Ion:	164	Resp:	251880
Ion	Ratio	Lower	Upper
164	100		
129	94.6	65.4	121.4
131	90.6	64.1	119.1
166	128.0	88.5	164.3



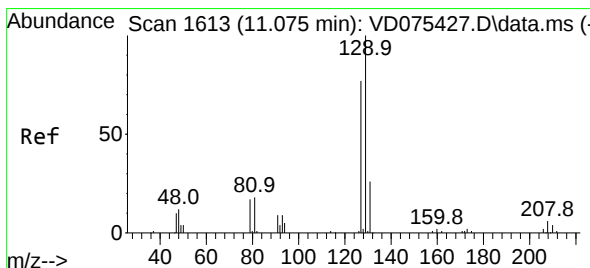
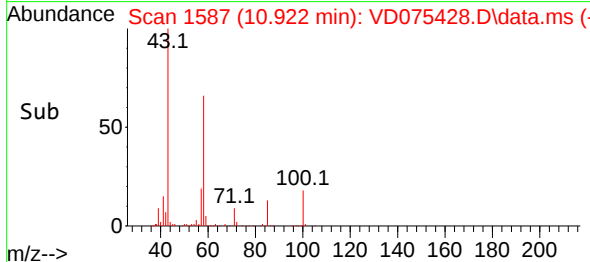
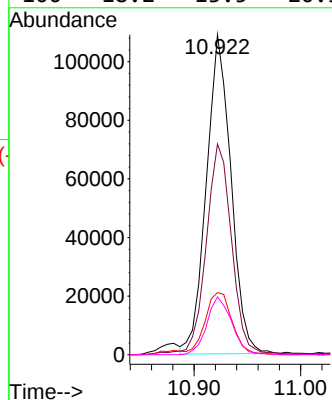
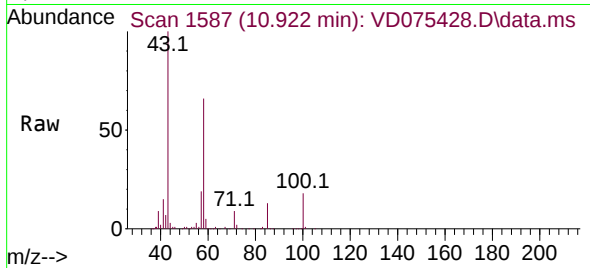


#48
2-Hexanone
Concen: 102.727 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

Instrument :
MSVOA_D
ClientSampleId :
VSTD050114

Tgt Ion: 43 Resp: 174897

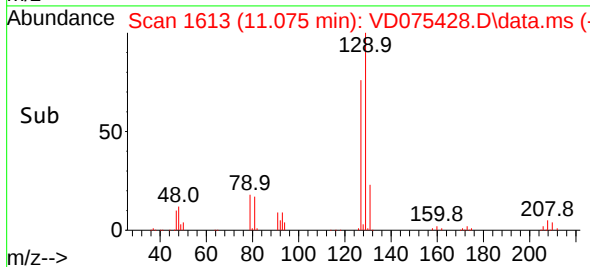
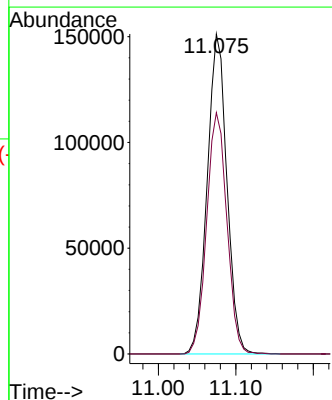
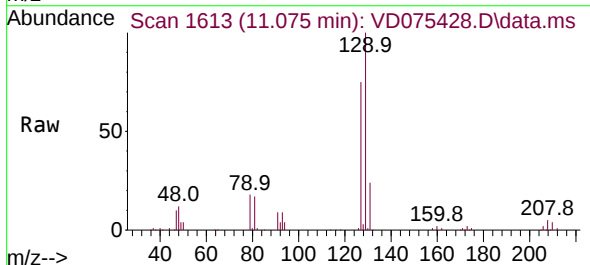
Ion	Ratio	Lower	Upper
43	100		
58	68.6	53.1	79.7
57	21.4	16.7	25.1
100	18.2	13.5	20.3

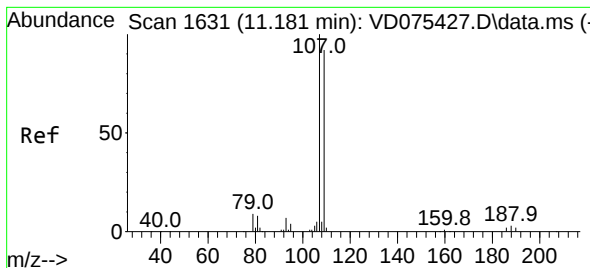


#49
Dibromochloromethane
Concen: 50.692 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

Tgt Ion: 129 Resp: 266866

Ion	Ratio	Lower	Upper
129	100		
127	75.4	53.7	99.7





#50

1,2-Dibromoethane

Concen: 49.331 ug/L

RT: 11.181 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD075428.D

Acq: 01 Mar 2023 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTD050114

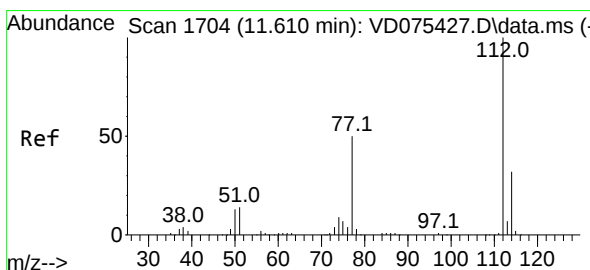
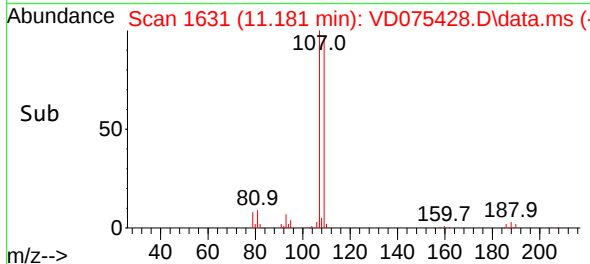
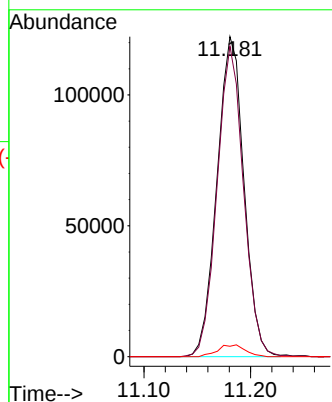
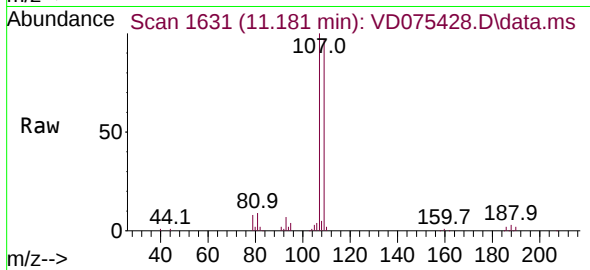
Tgt Ion:107 Resp: 214905

Ion Ratio Lower Upper

107 100

109 97.0 64.2 119.2

188 3.3 2.3 3.5



#51

Chlorobenzene

Concen: 51.686 ug/L

RT: 11.610 min Scan# 1704

Delta R.T. 0.000 min

Lab File: VD075428.D

Acq: 01 Mar 2023 15:29

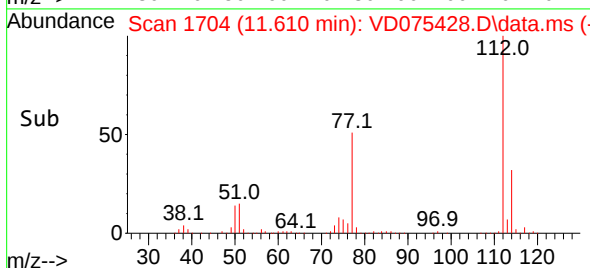
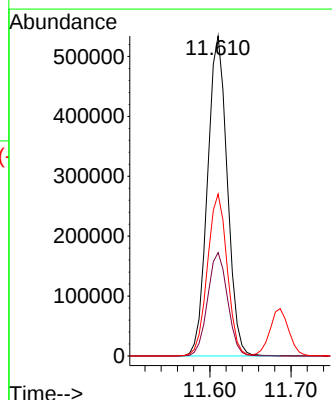
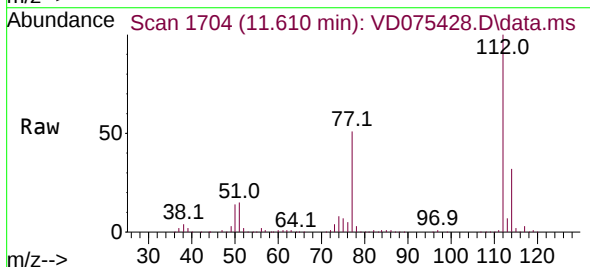
Tgt Ion:112 Resp: 903094

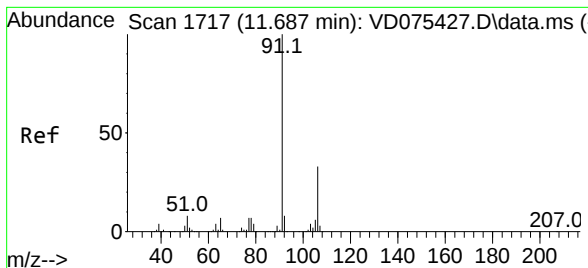
Ion Ratio Lower Upper

112 100

114 32.3 22.3 41.3

77 50.6 40.2 60.2

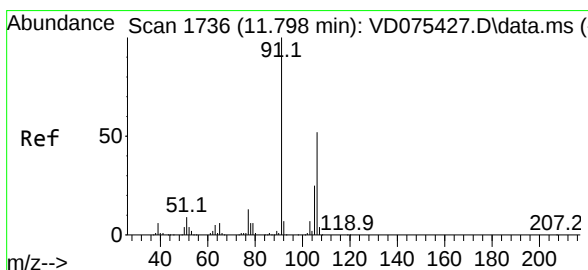
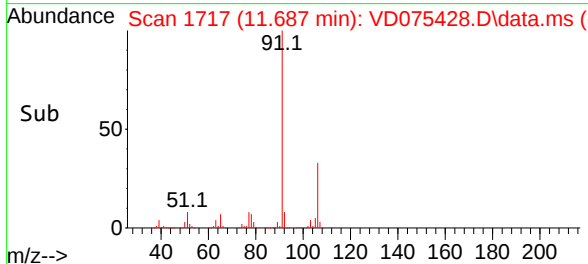
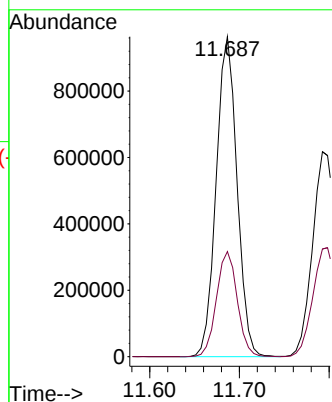
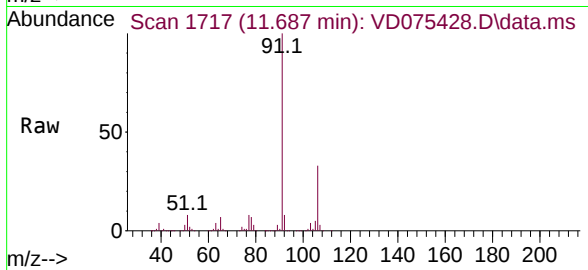




#52
Ethylbenzene
Concen: 54.437 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

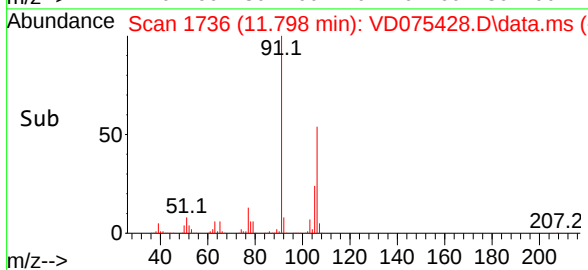
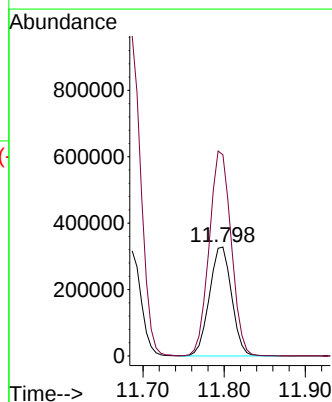
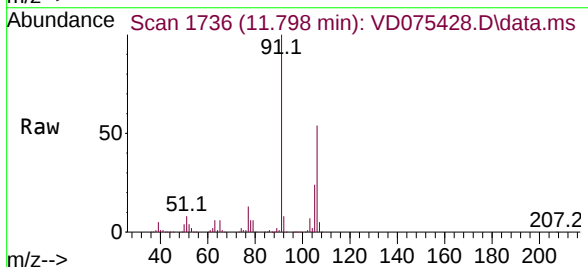
Instrument :
MSVOA_D
ClientSampleId :
VSTD050114

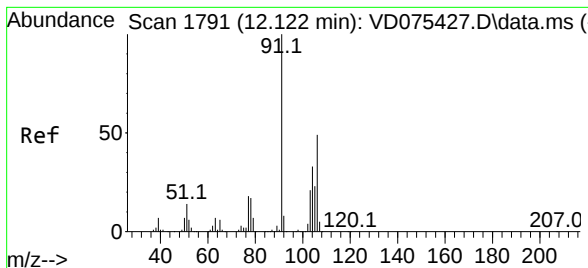
Tgt Ion: 91 Resp: 1556234
Ion Ratio Lower Upper
91 100
106 32.9 23.1 42.9



#53
m,p-Xylene
Concen: 55.366 ug/L
RT: 11.798 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

Tgt Ion: 106 Resp: 623617
Ion Ratio Lower Upper
106 100
91 184.6 134.1 249.1

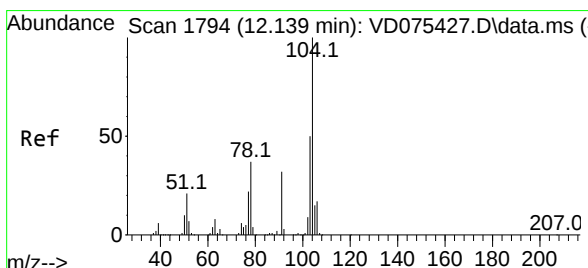
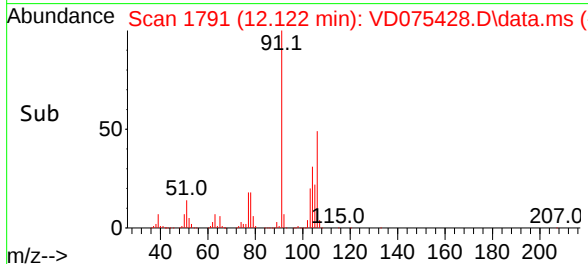
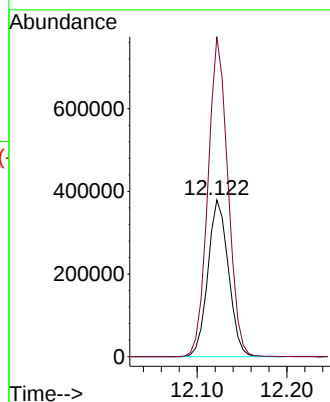
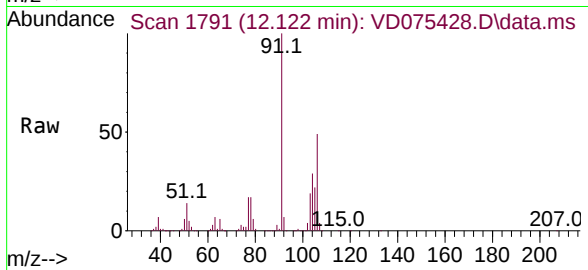




#54
o-Xylene
Concen: 56.574 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

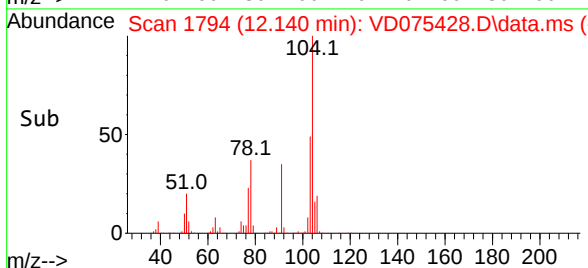
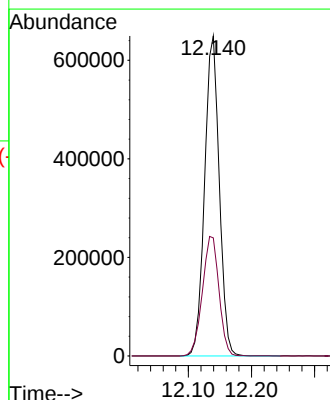
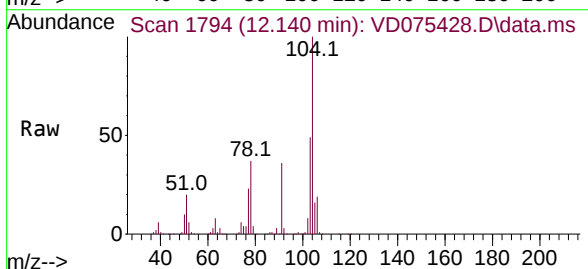
Instrument :
MSVOA_D
ClientSampleId :
VSTD050114

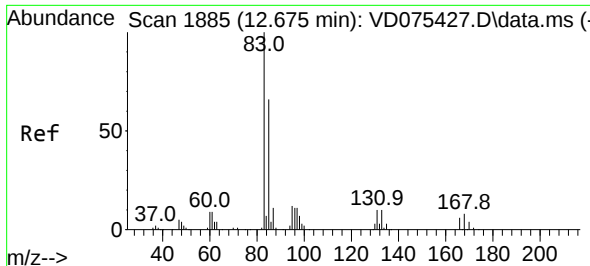
Tgt Ion:106 Resp: 602790
Ion Ratio Lower Upper
106 100
91 204.3 142.3 264.3



#55
Styrene
Concen: 55.396 ug/L
RT: 12.140 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

Tgt Ion:104 Resp: 1048317
Ion Ratio Lower Upper
104 100
78 36.9 26.0 48.2

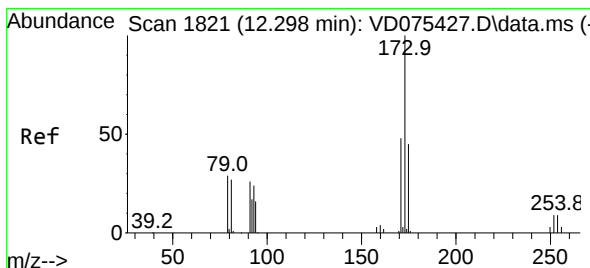
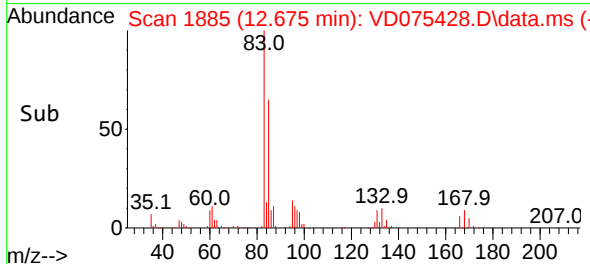
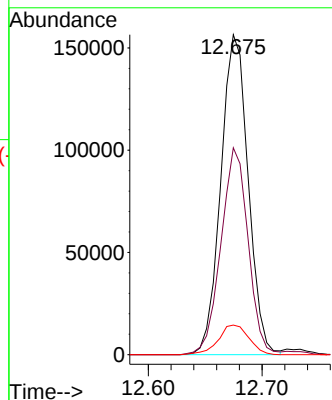
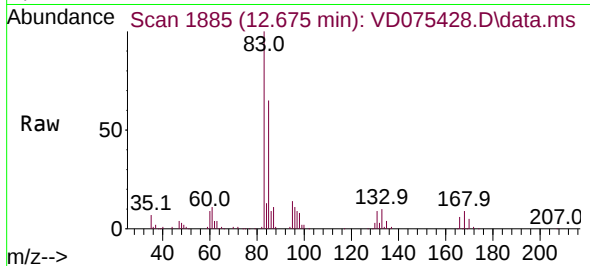




#57
1,1,2,2-Tetrachloroethane
Concen: 49.643 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

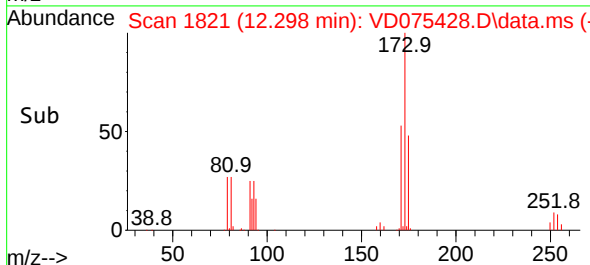
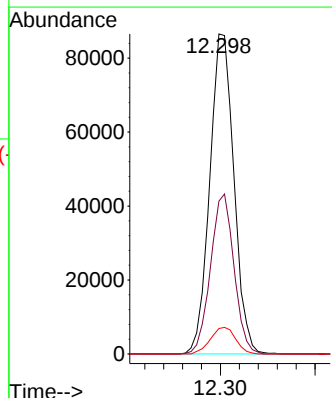
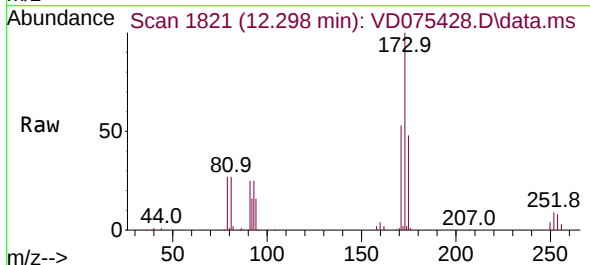
Instrument :
MSVOA_D
ClientSampleId :
VSTD050114

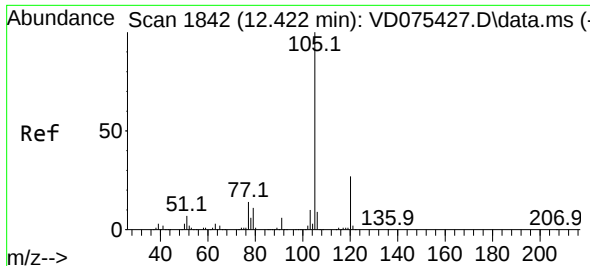
Tgt Ion: 83 Resp: 261852
Ion Ratio Lower Upper
83 100
85 64.7 46.3 85.9
131 9.3 8.1 12.1



#59
Bromoform
Concen: 48.137 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

Tgt Ion:173 Resp: 153560
Ion Ratio Lower Upper
173 100
175 48.5 39.3 58.9
254 8.7 7.3 10.9

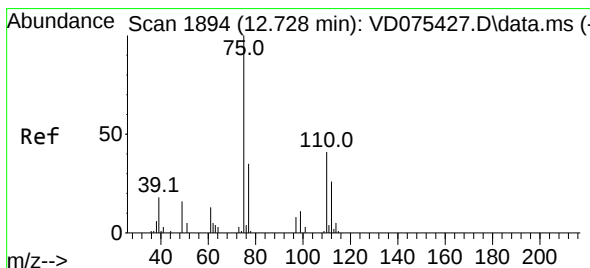
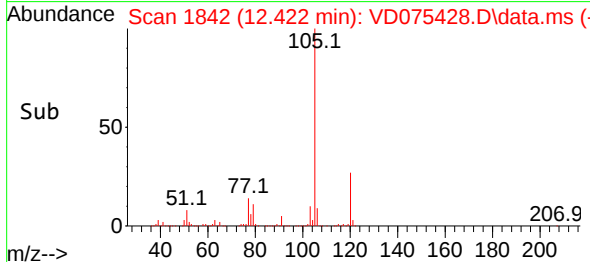
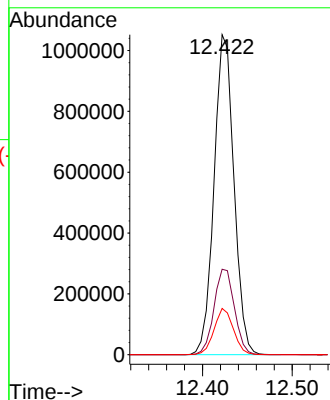
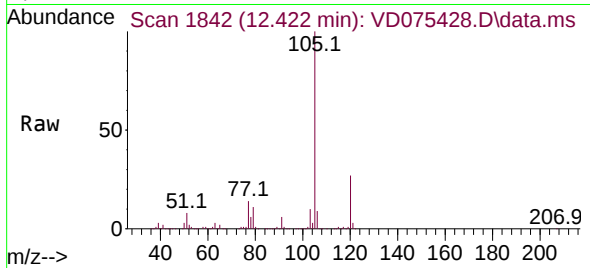




#60
Isopropylbenzene
Concen: 54.428 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

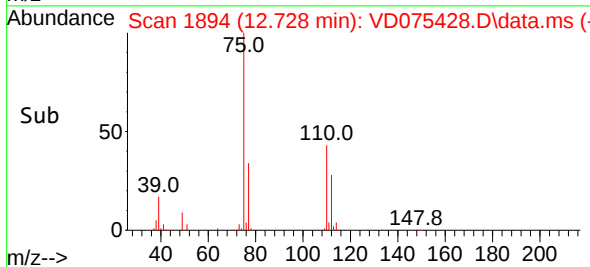
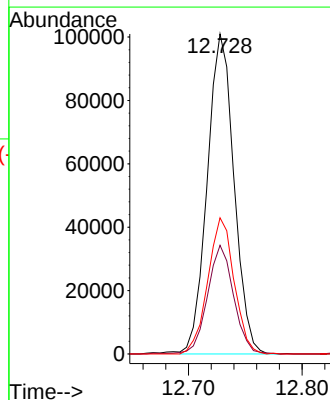
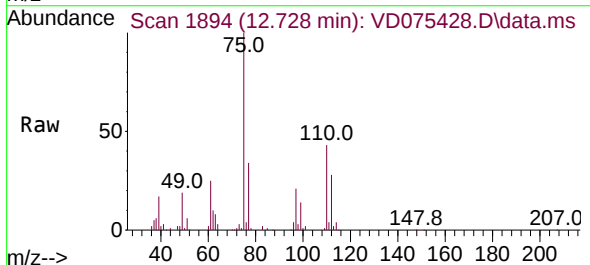
Instrument :
MSVOA_D
ClientSampleId :
VSTD050114

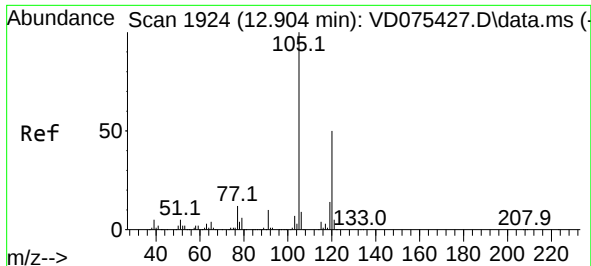
Tgt Ion:105 Resp: 1618312
Ion Ratio Lower Upper
105 100
120 27.5 21.8 32.6
77 14.1 11.3 16.9



#61
1,2,3-Trichloropropane
Concen: 46.591 ug/L
RT: 12.728 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

Tgt Ion: 75 Resp: 165112
Ion Ratio Lower Upper
75 100
77 33.1 26.2 39.4
110 41.8 33.2 49.8

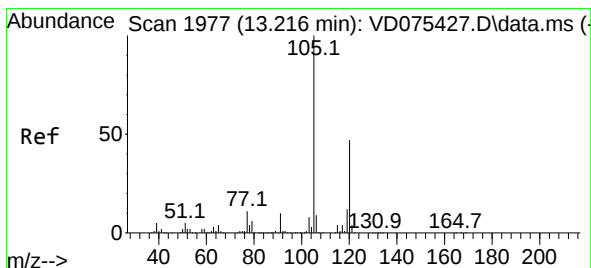
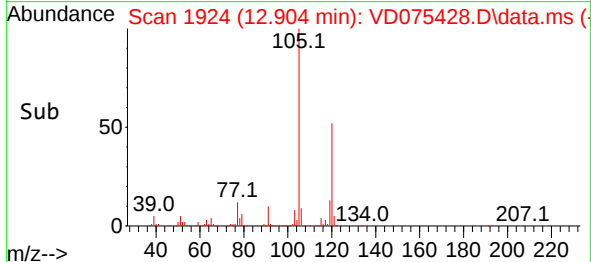
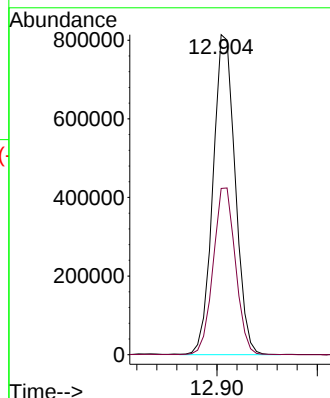
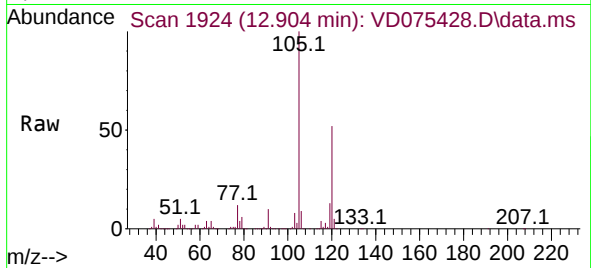




#62
 1,3,5-Trimethylbenzene
 Concen: 56.204 ug/L
 RT: 12.904 min Scan# 1924
 Delta R.T. 0.000 min
 Lab File: VD075428.D
 Acq: 01 Mar 2023 15:29

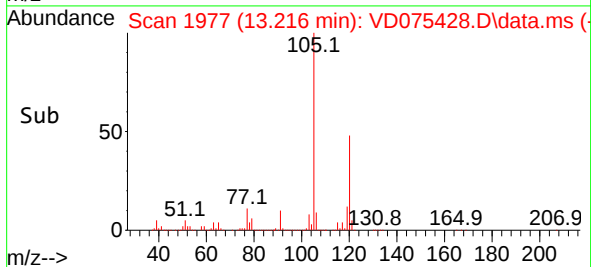
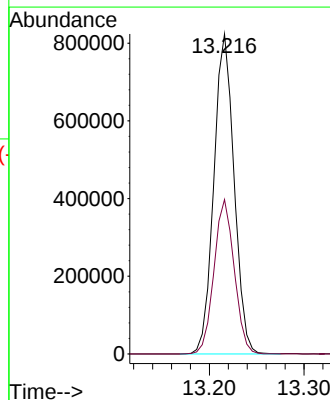
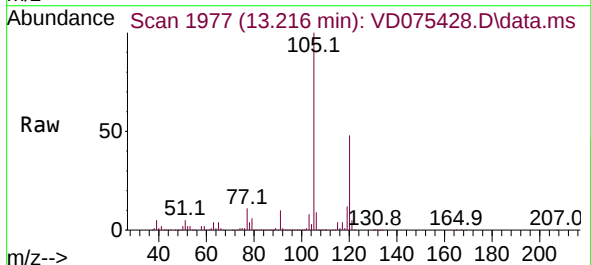
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD050114

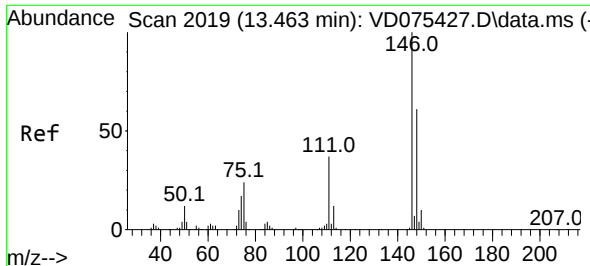
Tgt Ion:105 Resp: 1254495
 Ion Ratio Lower Upper
 105 100
 120 52.2 40.6 60.8



#63
 1,2,4-Trimethylbenzene
 Concen: 56.131 ug/L
 RT: 13.216 min Scan# 1977
 Delta R.T. 0.000 min
 Lab File: VD075428.D
 Acq: 01 Mar 2023 15:29

Tgt Ion:105 Resp: 1225046
 Ion Ratio Lower Upper
 105 100
 120 48.2 38.2 57.2

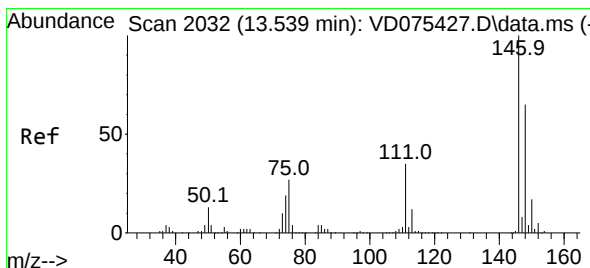
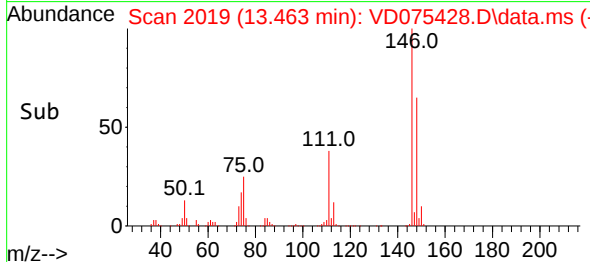
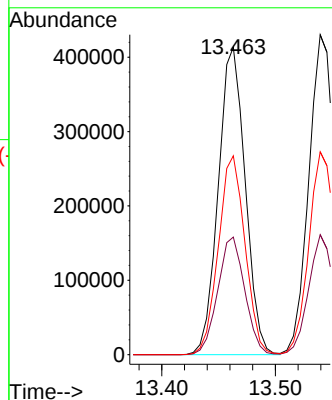
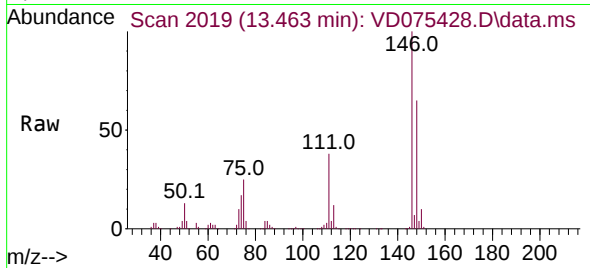




#64
1,3-Dichlorobenzene
Concen: 51.828 ug/L
RT: 13.463 min Scan# 2019
Delta R.T. 0.000 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

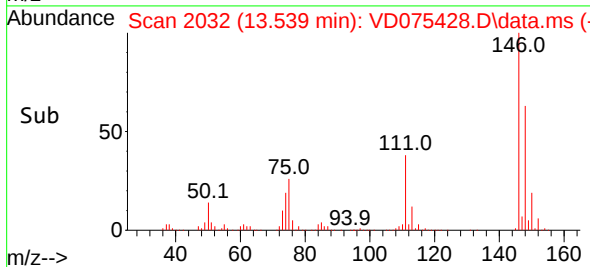
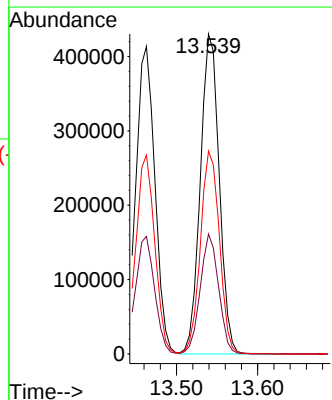
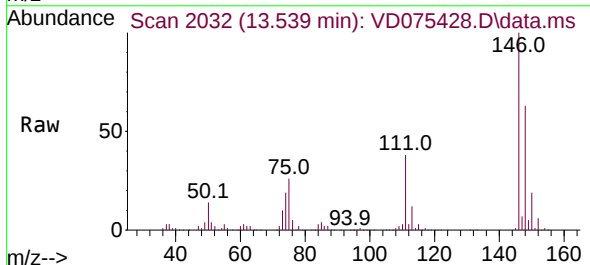
Instrument :
MSVOA_D
ClientSampleId :
VSTD050114

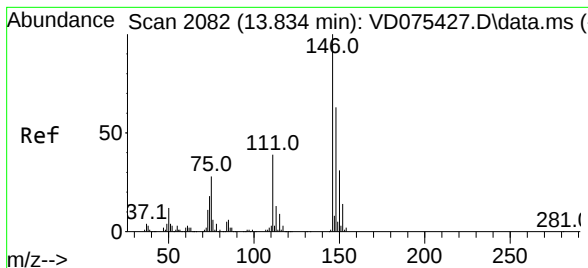
Tgt Ion:146 Resp: 681694
Ion Ratio Lower Upper
146 100
111 38.3 26.0 48.2
148 64.7 42.4 78.6



#65
1,4-Dichlorobenzene
Concen: 51.396 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

Tgt Ion:146 Resp: 695375
Ion Ratio Lower Upper
146 100
111 37.5 24.8 46.1
148 63.4 45.6 84.6





#67

1,2-Dichlorobenzene

Concen: 51.516 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VD075428.D

Acq: 01 Mar 2023 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTD050114

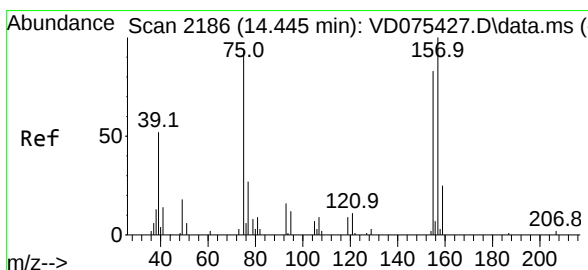
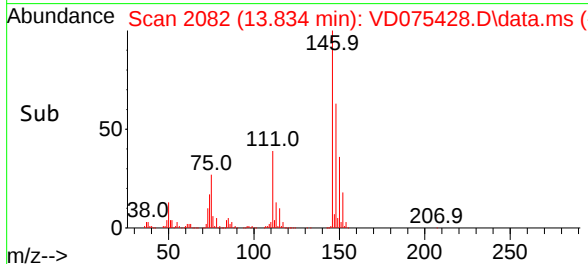
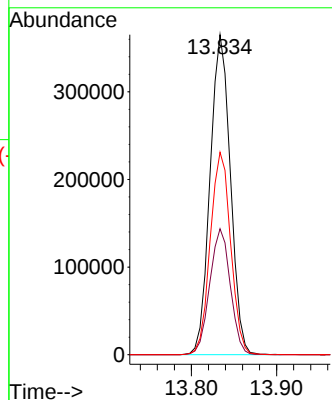
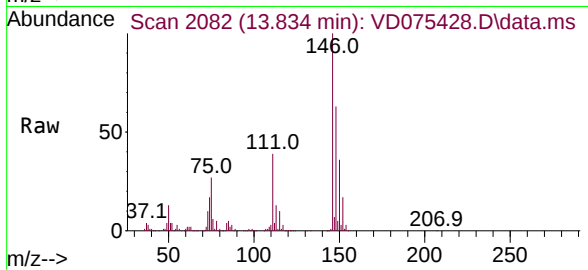
Tgt Ion:146 Resp: 603736

Ion Ratio Lower Upper

146 100

111 39.3 31.0 46.6

148 63.2 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 47.864 ug/L

RT: 14.451 min Scan# 2187

Delta R.T. 0.006 min

Lab File: VD075428.D

Acq: 01 Mar 2023 15:29

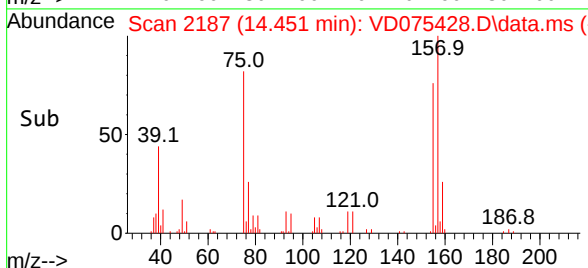
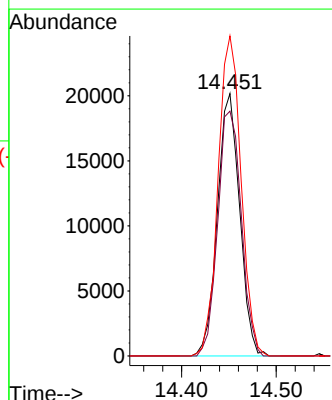
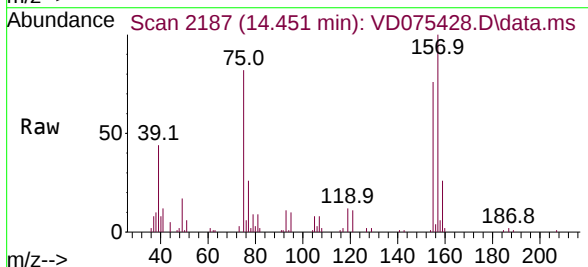
Tgt Ion: 75 Resp: 32940

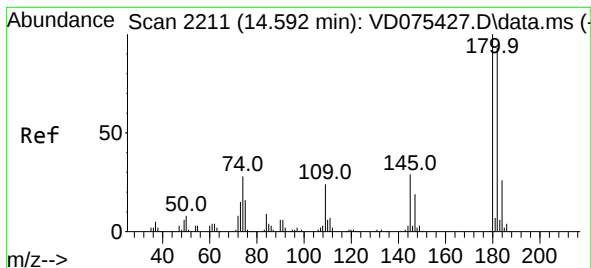
Ion Ratio Lower Upper

75 100

155 93.3 71.3 106.9

157 122.0 85.8 128.6





#69

1,3,5-Trichlorobenzene

Concen: 51.974 ug/L

RT: 14.598 min Scan# 21

Delta R.T. 0.006 min

Lab File: VD075428.D

Acq: 01 Mar 2023 15:29

Instrument :

MSVOA_D

ClientSampleId :

VSTD050114

Tgt Ion:180 Resp: 428680

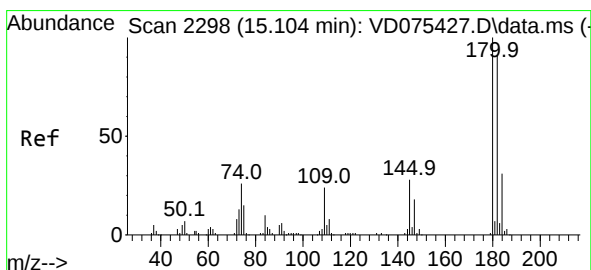
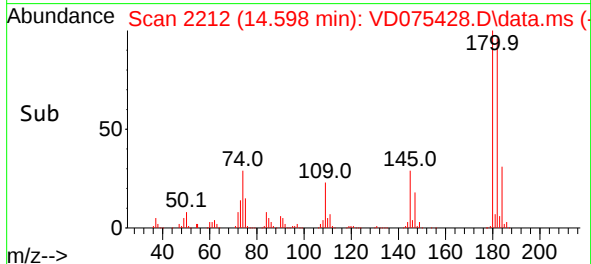
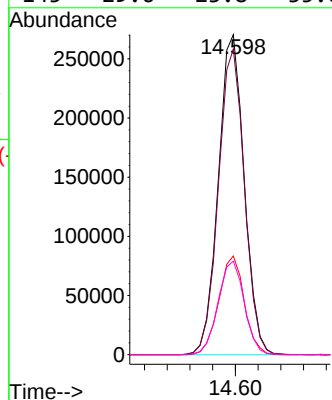
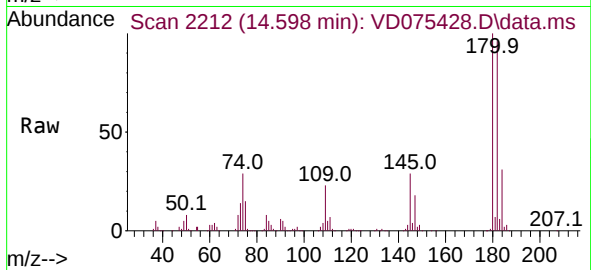
Ion Ratio Lower Upper

180 100

182 95.6 76.5 114.7

184 30.3 23.6 35.4

145 29.6 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 53.190 ug/L

RT: 15.104 min Scan# 2298

Delta R.T. 0.000 min

Lab File: VD075428.D

Acq: 01 Mar 2023 15:29

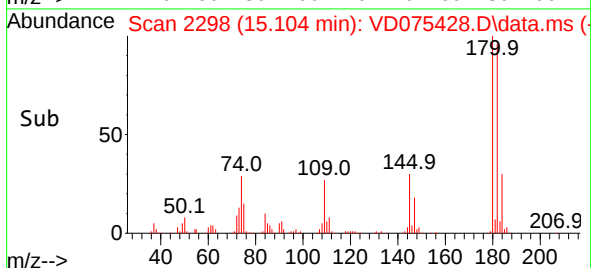
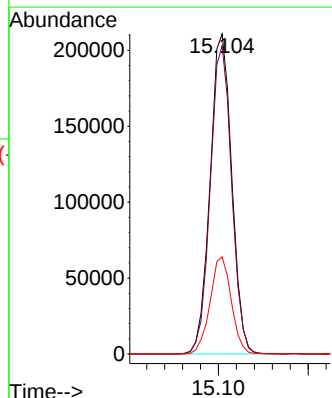
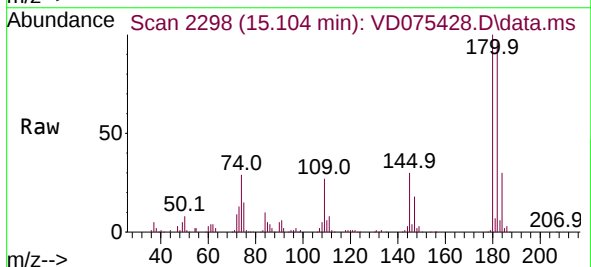
Tgt Ion:180 Resp: 352740

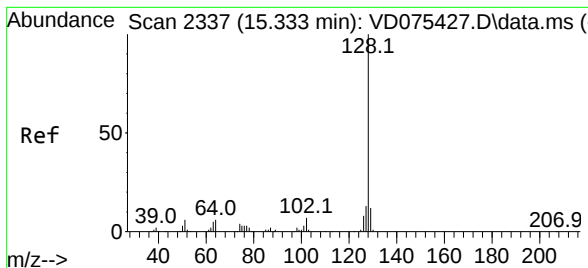
Ion Ratio Lower Upper

180 100

182 95.0 74.3 111.5

145 29.8 23.0 34.6

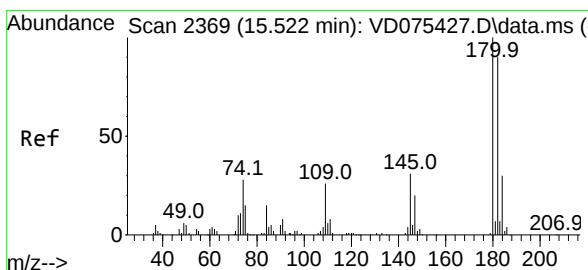
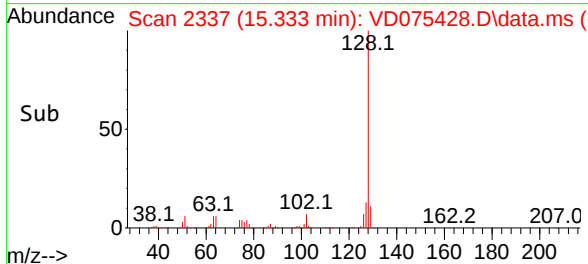
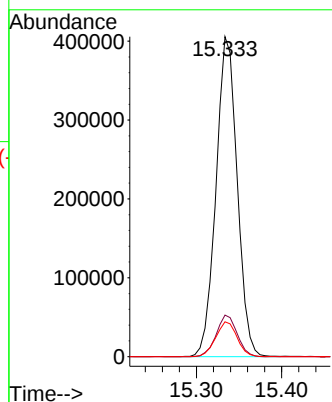
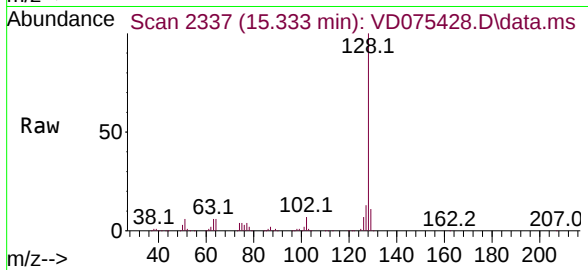




#71
Naphthalene
Concen: 53.342 ug/L
RT: 15.333 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

Instrument :
MSVOA_D
ClientSampleId :
VSTD050114

Tgt Ion:128 Resp: 701610
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 11.0 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 53.116 ug/L
RT: 15.528 min Scan# 2370
Delta R.T. 0.006 min
Lab File: VD075428.D
Acq: 01 Mar 2023 15:29

Tgt Ion:180 Resp: 310488
Ion Ratio Lower Upper
180 100
182 94.5 75.3 112.9
145 31.5 25.1 37.7

