

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022323\
 Data File : VD075415.D
 Acq On : 23 Feb 2023 15:57
 Operator : KP/SY
 Sample : VSTD05008
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD050108

Quant Time: Feb 23 23:40:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM022323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Feb 23 23:38:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	92846	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	82428	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	41777	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	85541	46.503	ug/L	0.00
7) Chloroethane-d5	2.799	69	69241	44.516	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.923	63	129687	47.226	ug/L	0.00
21) 2-Butanone-d5	6.987	46	23841	86.911	ug/L	0.00
24) Chloroform-d	7.569	84	122450	45.752	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.228	65	60668	45.825	ug/L	0.00
32) Benzene-d6	8.199	84	239557	46.553	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	69304	45.310	ug/L	0.00
41) Toluene-d8	10.269	98	224232	48.196	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.528	79	29624	48.093	ug/L	0.00
47) 2-Hexanone-d5	10.881	63	18937	94.059	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	47826	44.238	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	65187	44.202	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.929	85	84173	47.268	ug/L	99
3) Chloromethane	2.146	50	96676	45.426	ug/L	100
5) Vinyl chloride	2.281	62	110950	46.898	ug/L	100
6) Bromomethane	2.693	94	59433	50.470	ug/L	94
8) Chloroethane	2.834	64	68916	47.820	ug/L	100
9) Trichlorofluoromethane	3.176	101	127313	47.577	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.970	101	79290	49.352	ug/L	99
12) 1,1-Dichloroethene	3.934	96	68008	49.173	ug/L	89
13) Acetone	4.017	43	34962	94.029	ug/L	94
14) Carbon disulfide	4.270	76	208347	46.728	ug/L	100
15) Methyl Acetate	4.564	43	27761	48.611	ug/L	# 82
16) Methylene chloride	4.799	84	73434	39.552	ug/L	97
17) trans-1,2-Dichloroethene	5.311	96	70141	49.202	ug/L	92
18) Methyl tert-butyl Ether	5.317	73	147606	50.751	ug/L	99
19) 1,1-Dichloroethane	6.111	63	134749	49.082	ug/L	99
20) cis-1,2-Dichloroethene	7.075	96	78387	51.515	ug/L	100
22) 2-Butanone	7.081	43	38730	89.510	ug/L	96
23) Bromochloromethane	7.422	128	33194	49.290	ug/L	84
25) Chloroform	7.599	83	138349	49.108	ug/L	94
27) 1,2-Dichloroethane	8.328	62	85426	48.240	ug/L	100
29) Cyclohexane	7.881	56	115961	51.374	ug/L	98
30) 1,1,1-Trichloroethane	7.793	97	123013	49.068	ug/L	98
31) Carbon tetrachloride	7.993	117	106625	49.536	ug/L	98
33) Benzene	8.252	78	295632	50.041	ug/L	100
34) Trichloroethene	9.028	95	77741	49.494	ug/L	94
35) Methylcyclohexane	9.275	83	126988	50.468	ug/L	98
37) 1,2-Dichloropropane	9.305	63	75496	49.029	ug/L	100
38) Bromodichloromethane	9.587	83	98953	49.673	ug/L	96
39) cis-1,3-Dichloropropene	10.016	75	117485	52.571	ug/L	92
40) 4-Methyl-2-pentanone	10.157	43	82531	99.745	ug/L	98
42) Toluene	10.334	91	327912	52.394	ug/L	97
44) trans-1,3-Dichloropropene	10.557	75	97581	52.489	ug/L	97

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

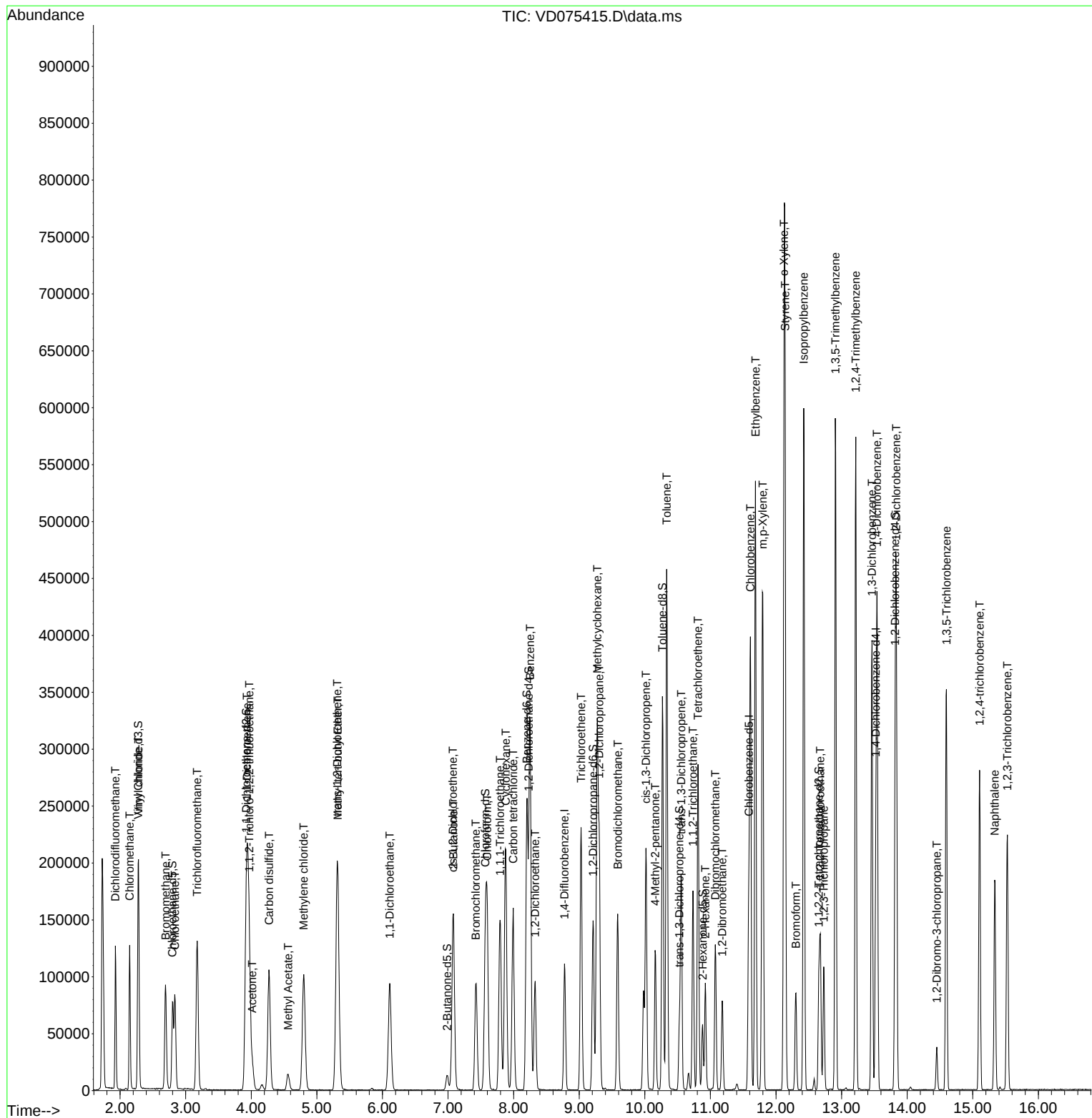
45) 1,1,2-Trichloroethane	10.734	97	53001	49.261	ug/L	96
46) Tetrachloroethene	10.810	164	60320	48.674	ug/L	87
48) 2-Hexanone	10.922	43	61362	100.233	ug/L	99
49) Dibromochloromethane	11.075	129	63268	50.021	ug/L	95
50) 1,2-Dibromoethane	11.181	107	48639	48.924	ug/L	95
51) Chlorobenzene	11.610	112	196236	49.439	ug/L	96
52) Ethylbenzene	11.687	91	368710	53.329	ug/L	98
53) m,p-Xylene	11.799	106	139492	53.508	ug/L	91
54) o-Xylene	12.122	106	132526	53.771	ug/L	99
55) Styrene	12.140	104	230037	53.720	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.675	83	58196	48.687	ug/L	95
59) Bromoform	12.304	173	37613	48.657	ug/L	99
60) Isopropylbenzene	12.422	105	370028	52.747	ug/L	100
61) 1,2,3-Trichloropropane	12.728	75	40313	48.915	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	300114	54.596	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	289885	54.705	ug/L	99
64) 1,3-Dichlorobenzene	13.463	146	152609	49.980	ug/L	98
65) 1,4-Dichlorobenzene	13.540	146	154438	49.556	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	132774	49.602	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.451	75	8592	46.272	ug/L	99
69) 1,3,5-Trichlorobenzene	14.598	180	102290	50.823	ug/L	99
70) 1,2,4-trichlorobenzene	15.104	180	82289	50.820	ug/L	98
71) Naphthalene	15.334	128	152505	52.094	ug/L	100
72) 1,2,3-Trichlorobenzene	15.528	180	72409	51.854	ug/L	98

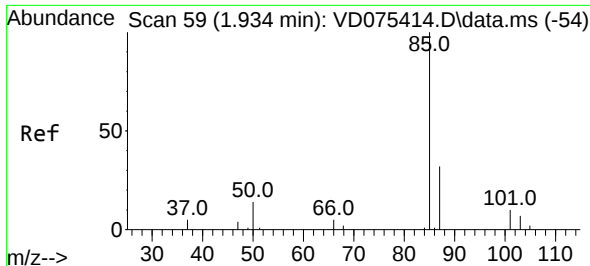
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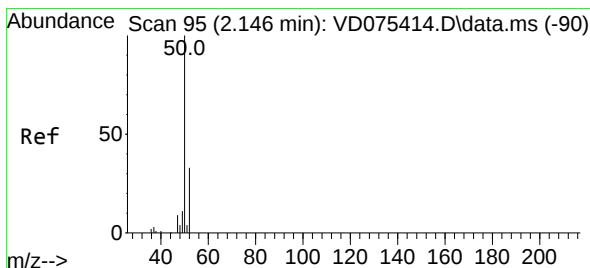
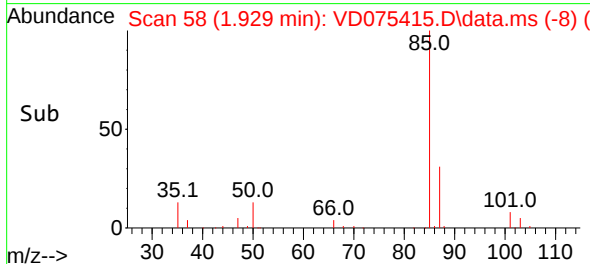
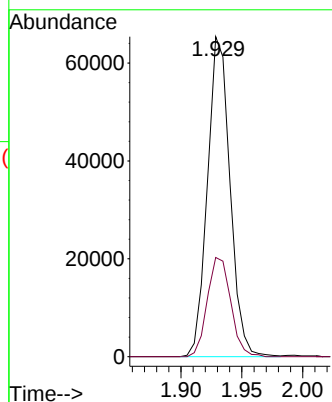
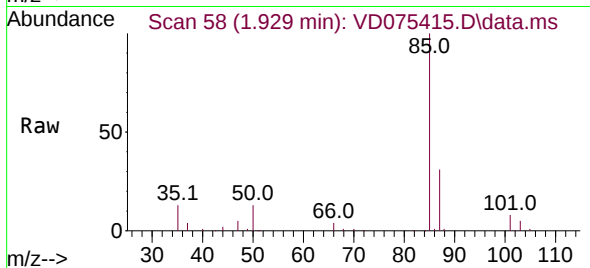




#2
Dichlorodifluoromethane
Concen: 47.268 ug/L
RT: 1.929 min Scan# 58
Delta R.T. -0.006 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

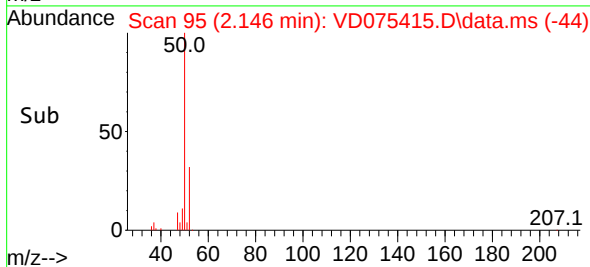
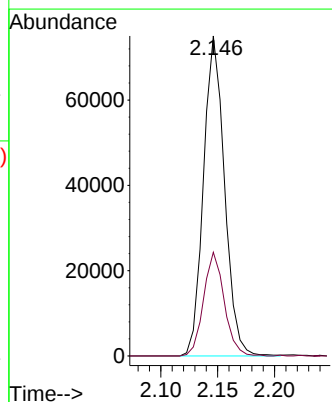
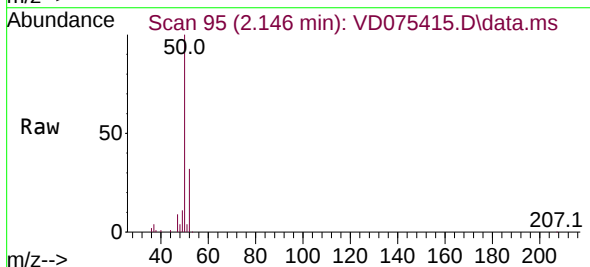
Instrument :
MSVOA_D
ClientSampleId :
VSTD050108

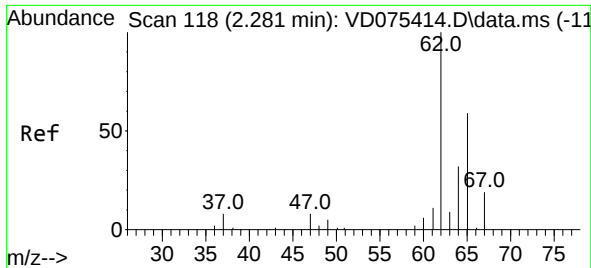
Tgt Ion: 85 Resp: 84173
Ion Ratio Lower Upper
85 100
87 32.2 25.1 37.7



#3
Chloromethane
Concen: 45.426 ug/L
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

Tgt Ion: 50 Resp: 96676
Ion Ratio Lower Upper
50 100
52 32.4 22.8 42.4

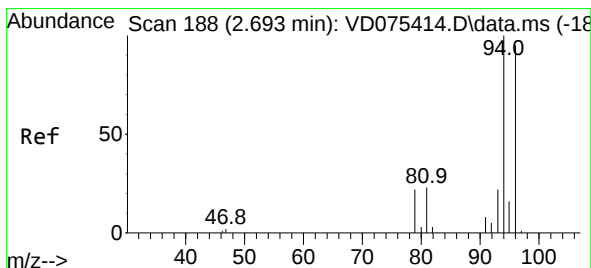
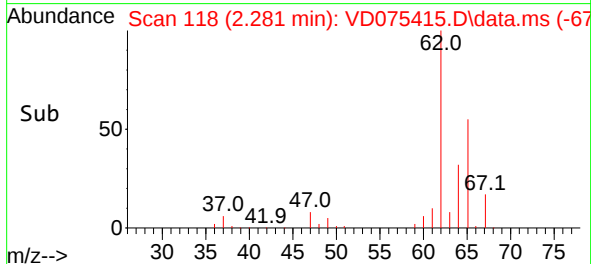
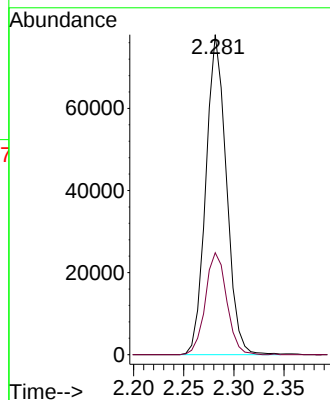
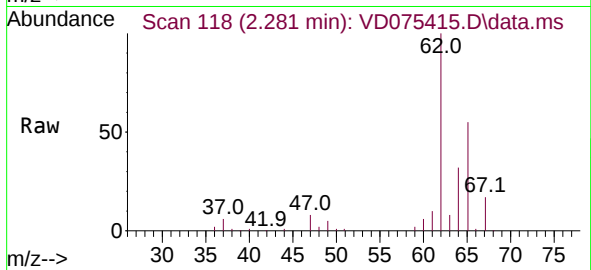




#5
 Vinyl chloride
 Concen: 46.898 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. 0.000 min
 Lab File: VD075415.D
 Acq: 23 Feb 2023 15:57

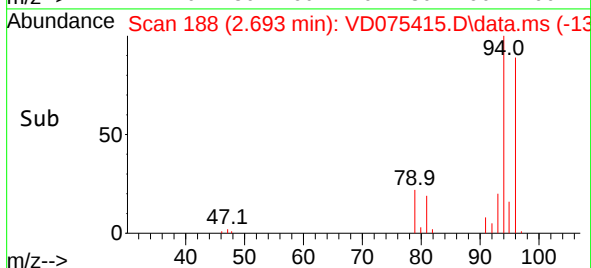
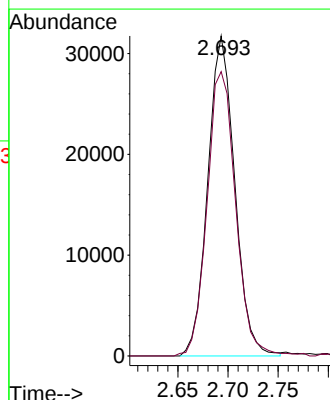
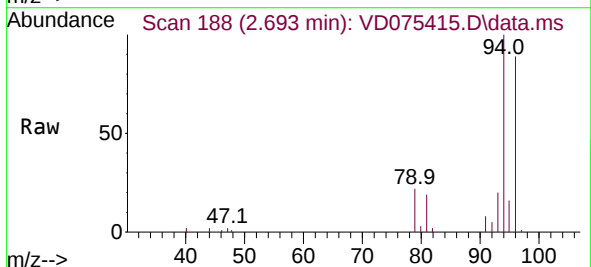
Instrument :
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 ClientSampleId :
 VSTD050108

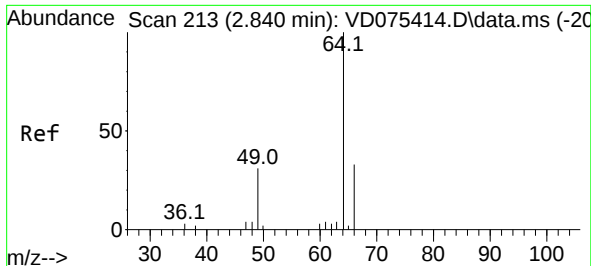
Tgt Ion: 62 Resp: 110950
 Ion Ratio Lower Upper
 62 100
 64 31.9 22.4 41.6



#6
 Bromomethane
 Concen: 50.470 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. 0.000 min
 Lab File: VD075415.D
 Acq: 23 Feb 2023 15:57

Tgt Ion: 94 Resp: 59433
 Ion Ratio Lower Upper
 94 100
 96 88.8 66.4 123.4

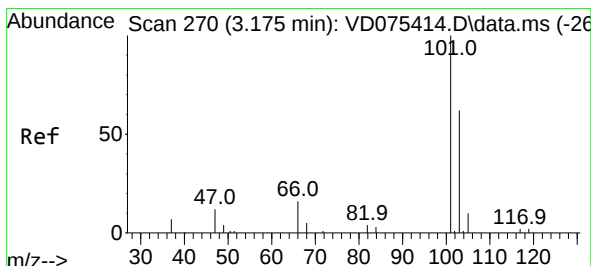
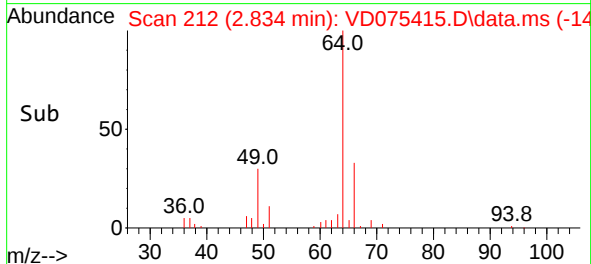
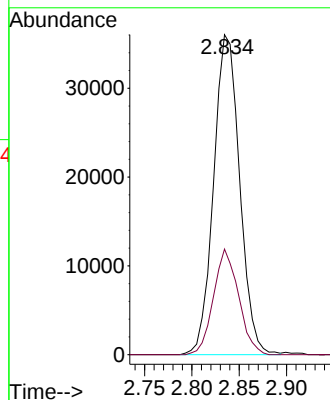
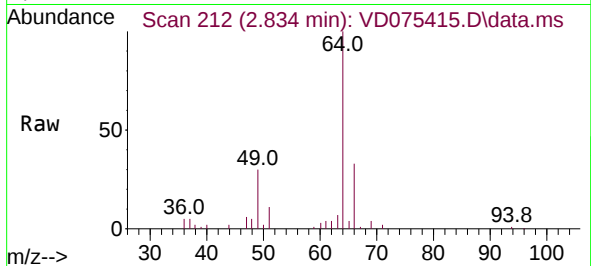




#8
Chloroethane
Concen: 47.820 ug/L
RT: 2.834 min Scan# 213
Delta R.T. -0.006 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

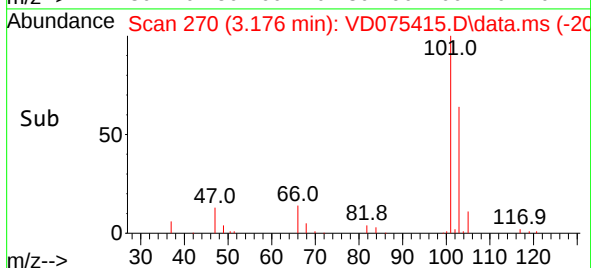
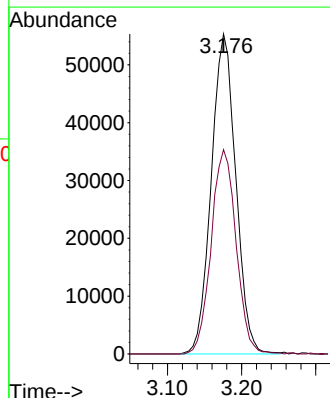
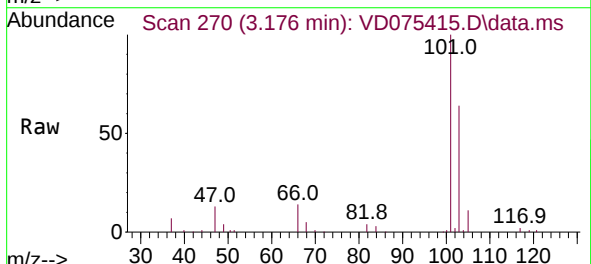
Instrument :
MSVOA_D
ClientSampleId :
VSTD050108

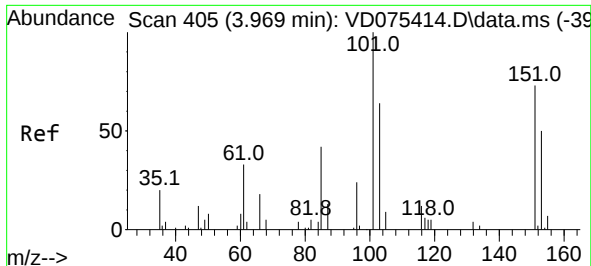
Tgt Ion: 64 Resp: 68916
Ion Ratio Lower Upper
64 100
66 33.0 23.2 43.0



#9
Trichlorofluoromethane
Concen: 47.577 ug/L
RT: 3.176 min Scan# 270
Delta R.T. 0.000 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

Tgt Ion:101 Resp: 127313
Ion Ratio Lower Upper
101 100
103 64.7 50.2 75.2





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 49.352 ug/L

RT: 3.970 min Scan# 405

Delta R.T. 0.000 min

Lab File: VD075415.D

Acq: 23 Feb 2023 15:57

Instrument :

MSVOA_D

ClientSampleId :

VSTD050108

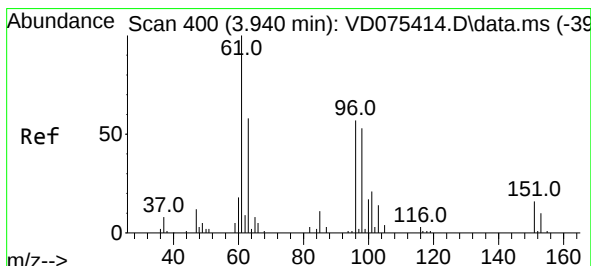
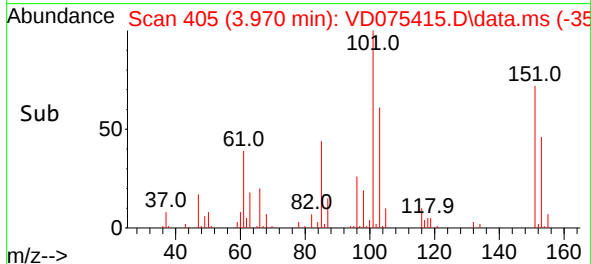
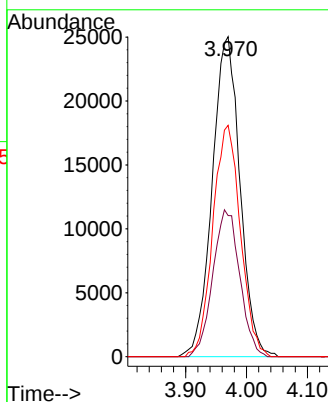
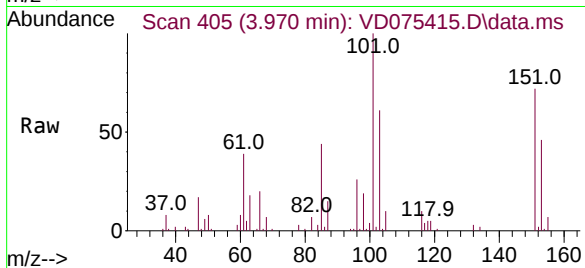
Tgt Ion:101 Resp: 79290

Ion Ratio Lower Upper

101 100

85 44.6 36.7 55.1

151 71.7 58.2 87.2



#12

1,1-Dichloroethene

Concen: 49.173 ug/L

RT: 3.934 min Scan# 399

Delta R.T. -0.006 min

Lab File: VD075415.D

Acq: 23 Feb 2023 15:57

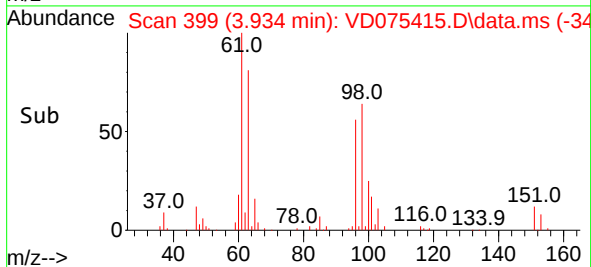
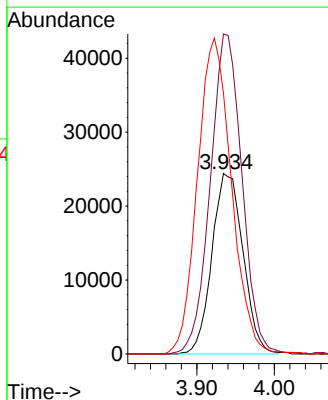
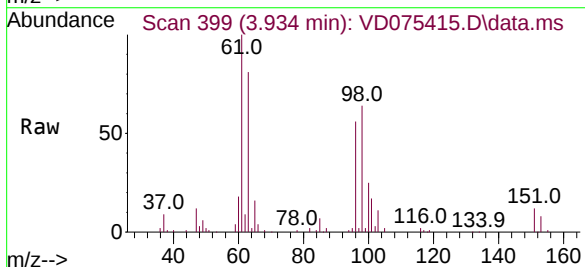
Tgt Ion: 96 Resp: 68008

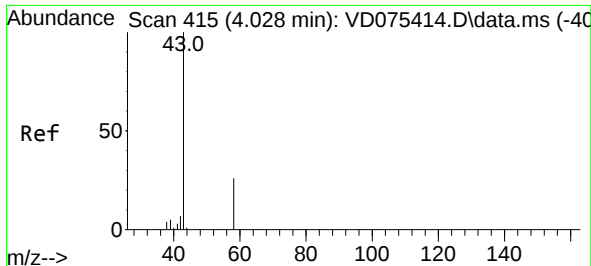
Ion Ratio Lower Upper

96 100

61 177.4 123.8 229.8

63 144.5 81.3 150.9





#13

Acetone

Concen: 94.029 ug/L

RT: 4.017 min Scan# 41

Delta R.T. -0.012 min

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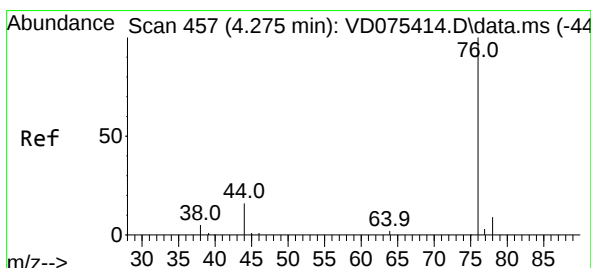
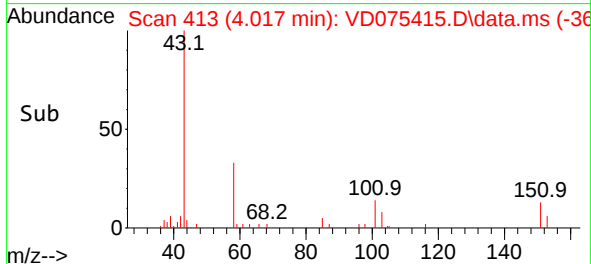
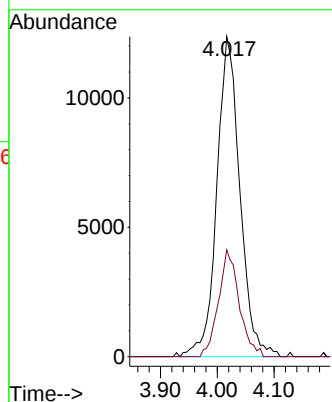
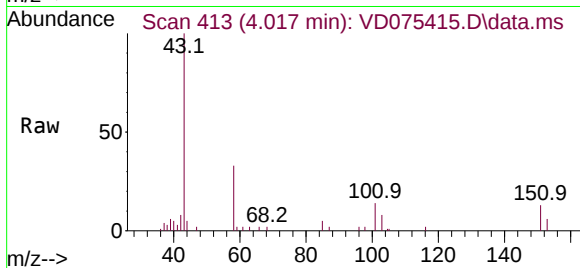
VSTD050108

Tgt Ion: 43 Resp: 34962

Ion Ratio Lower Upper

43 100

58 29.9 0.0 53.8



#14

Carbon disulfide

Concen: 46.728 ug/L

RT: 4.270 min Scan# 456

Delta R.T. -0.006 min

Lab File: VD075415.D

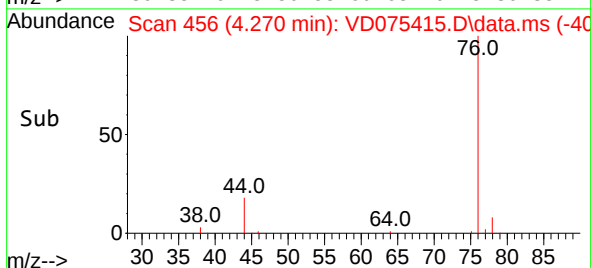
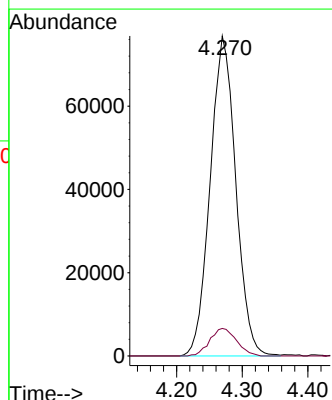
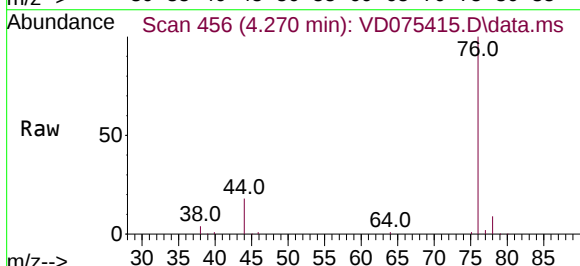
Acq: 23 Feb 2023 15:57

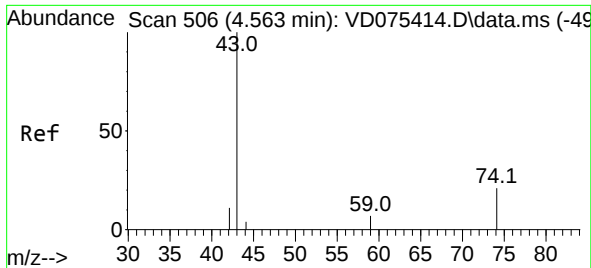
Tgt Ion: 76 Resp: 208347

Ion Ratio Lower Upper

76 100

78 8.6 7.0 10.6

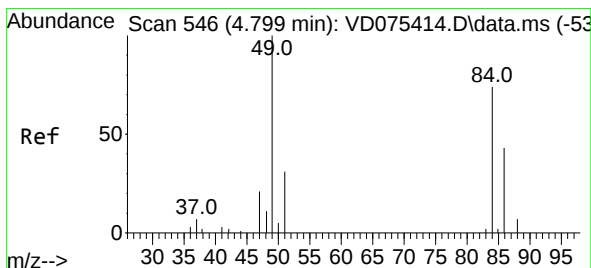
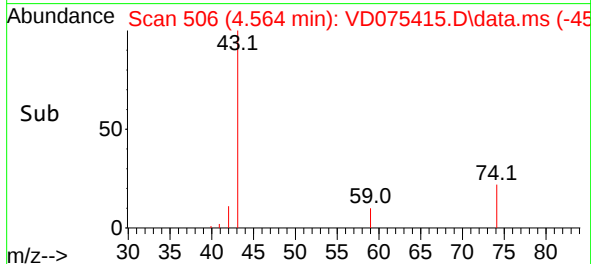
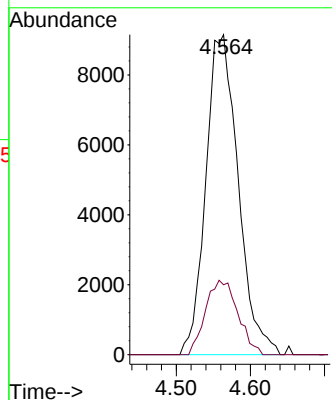
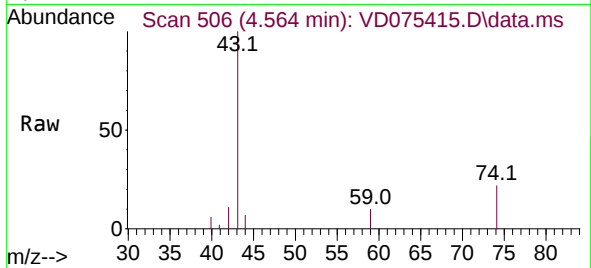




#15
Methyl Acetate
Concen: 48.611 ug/L
RT: 4.564 min Scan# 506
Delta R.T. 0.000 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

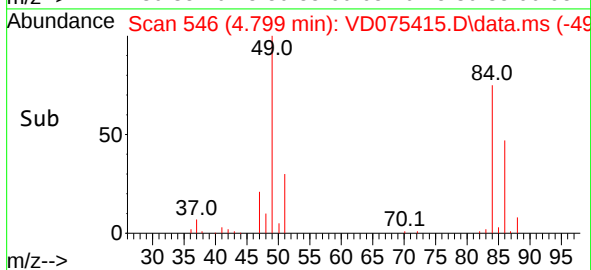
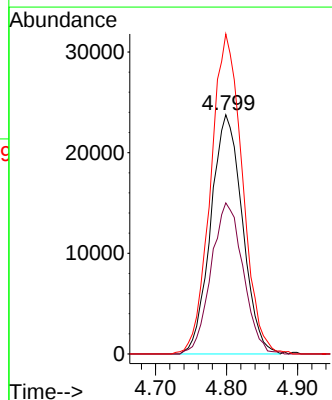
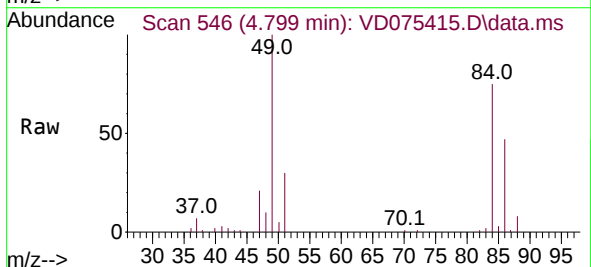
Instrument :
MSVOA_D
ClientSampleId :
VSTD050108

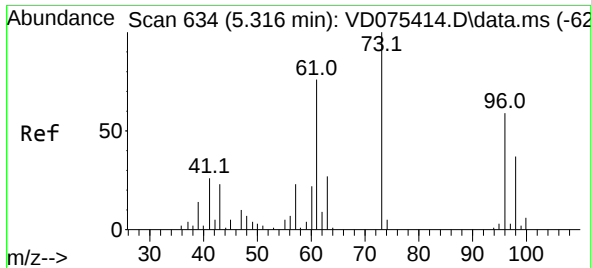
Tgt Ion: 43 Resp: 27761
Ion Ratio Lower Upper
43 100
74 23.2 12.4 18.6#



#16
Methylene chloride
Concen: 39.552 ug/L
RT: 4.799 min Scan# 546
Delta R.T. 0.000 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

Tgt Ion: 84 Resp: 73434
Ion Ratio Lower Upper
84 100
86 63.2 41.0 76.2
49 133.8 95.2 176.8

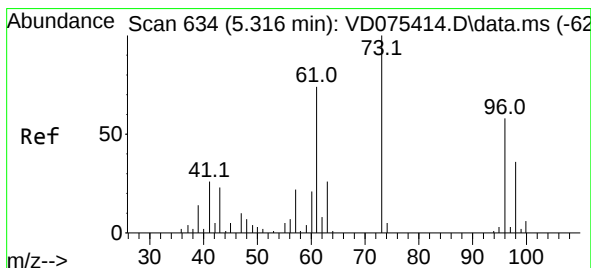
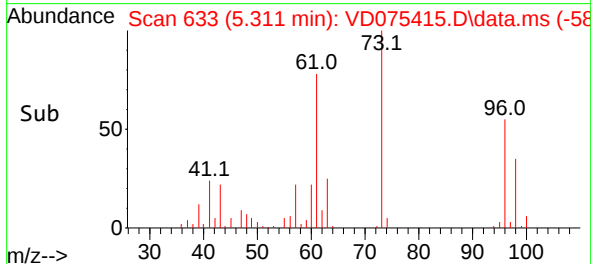
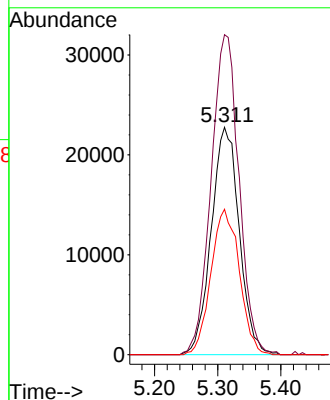
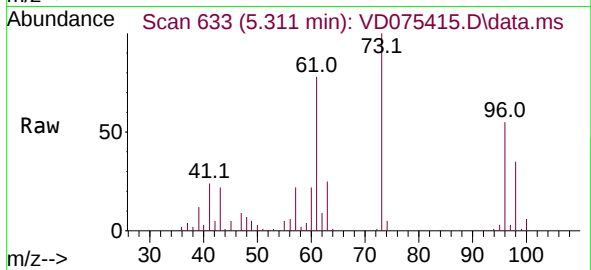




#17
trans-1,2-Dichloroethene
Concen: 49.202 ug/L
RT: 5.311 min Scan# 611
Delta R.T. -0.006 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

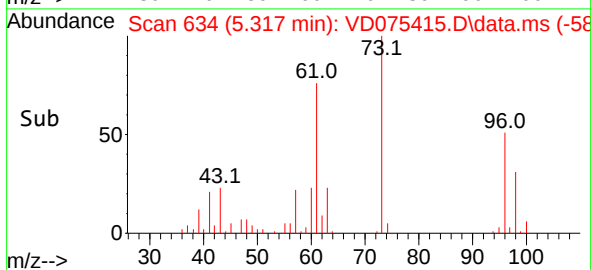
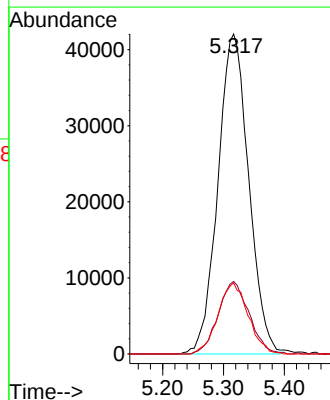
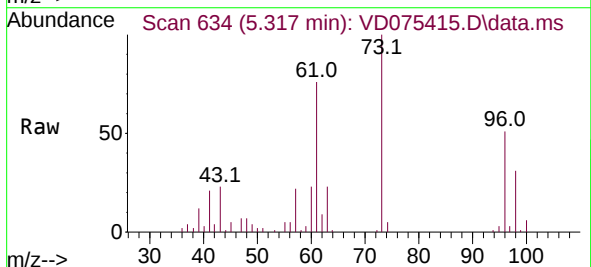
Instrument :
MSVOA_D
ClientSampleId :
VSTD050108

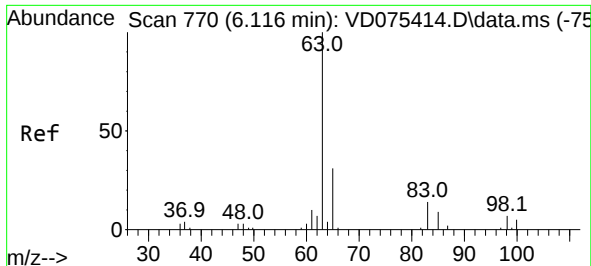
Tgt Ion: 96 Resp: 70141
Ion Ratio Lower Upper
96 100
61 140.7 90.2 167.4
98 63.9 43.7 81.1



#18
Methyl tert-butyl Ether
Concen: 50.751 ug/L
RT: 5.317 min Scan# 634
Delta R.T. 0.000 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

Tgt Ion: 73 Resp: 147606
Ion Ratio Lower Upper
73 100
43 22.8 17.8 26.6
57 21.9 18.0 27.0





#19

1,1-Dichloroethane

Concen: 49.082 ug/L

RT: 6.111 min Scan# 770

Delta R.T. -0.006 min

Lab File: VD075415.D

Acq: 23 Feb 2023 15:57

Instrument :

MSVOA_D

ClientSampleId :

VSTD050108

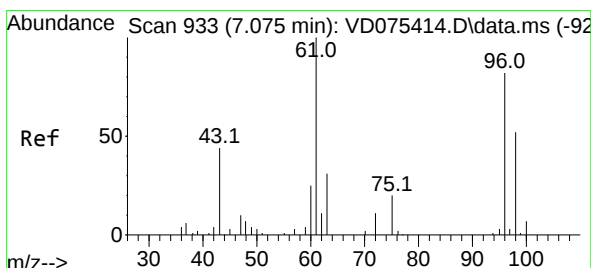
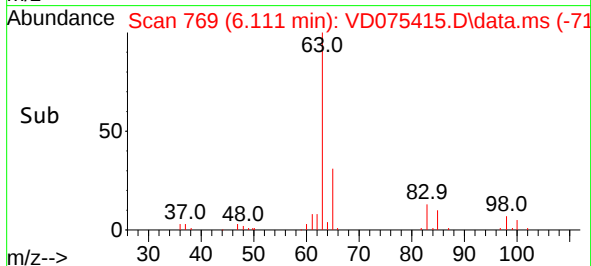
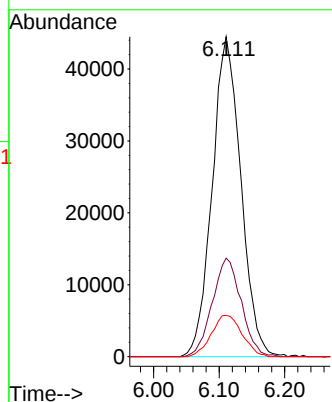
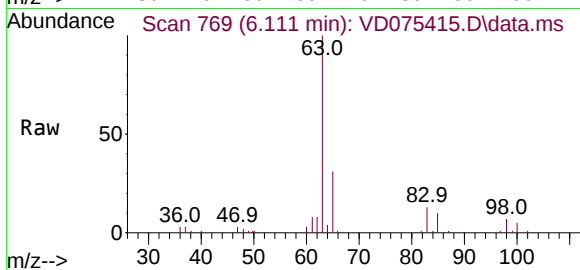
Tgt Ion: 63 Resp: 134749

Ion Ratio Lower Upper

63 100

65 30.8 21.8 40.4

83 12.9 9.9 18.5



#20

cis-1,2-Dichloroethene

Concen: 51.515 ug/L

RT: 7.075 min Scan# 933

Delta R.T. 0.000 min

Lab File: VD075415.D

Acq: 23 Feb 2023 15:57

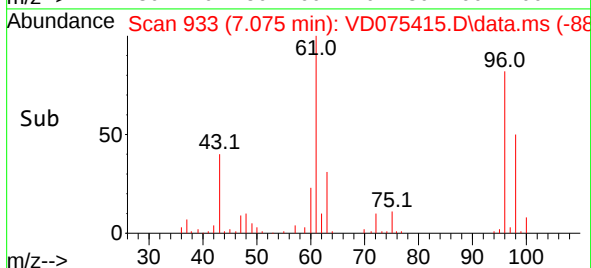
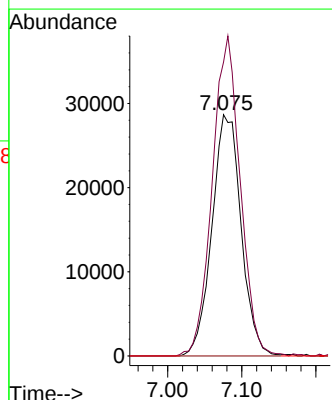
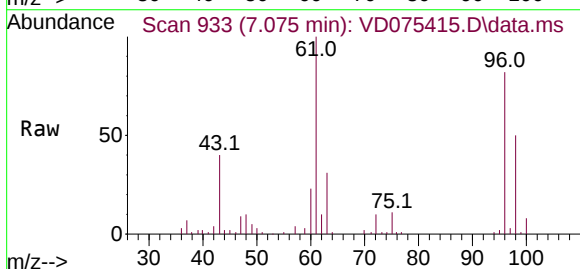
Tgt Ion: 96 Resp: 78387

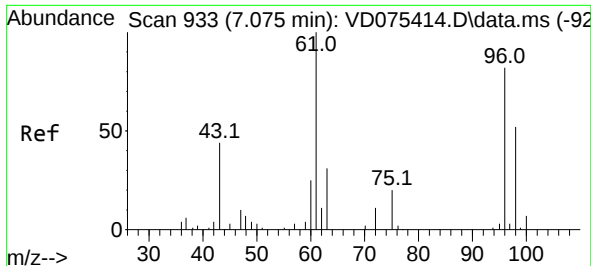
Ion Ratio Lower Upper

96 100

61 121.8 85.3 158.5

68 0.0 0.0 0.0

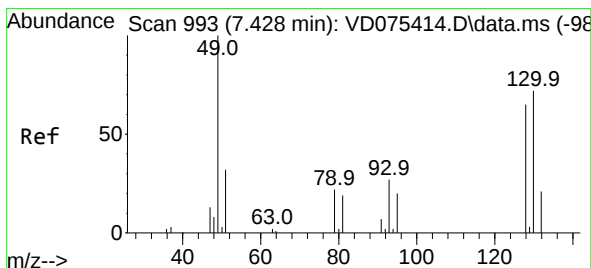
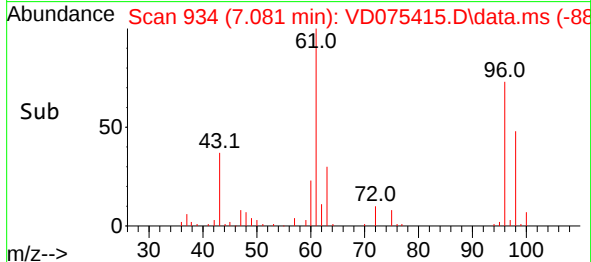
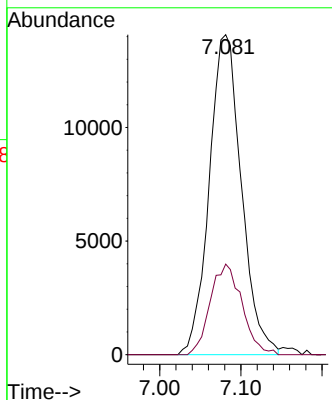
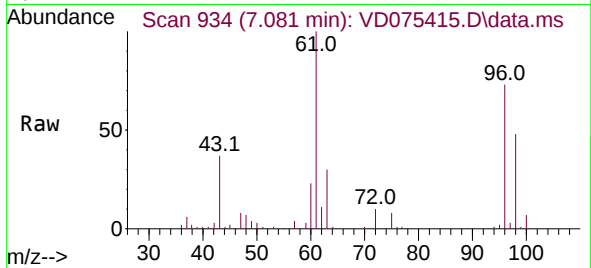




#22
2-Butanone
Concen: 89.510 ug/L
RT: 7.081 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

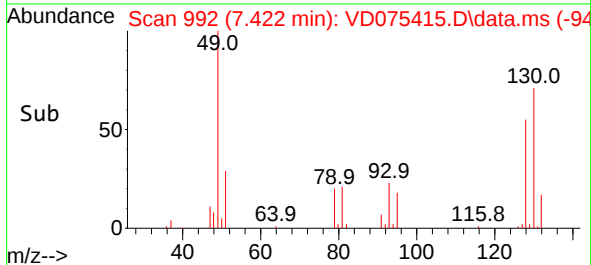
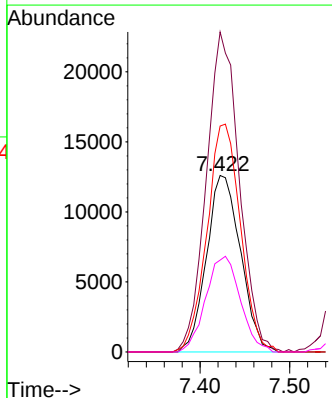
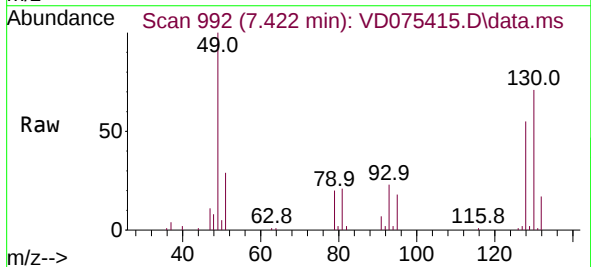
Instrument :
MSVOA_D
ClientSampleId :
VSTD050108

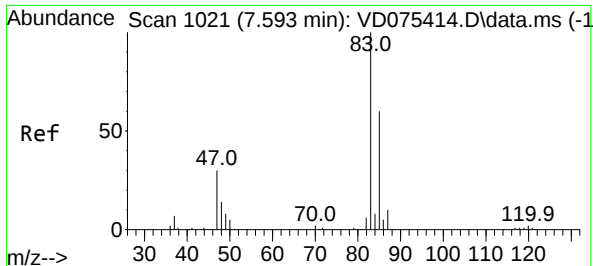
Tgt Ion: 43 Resp: 38730
Ion Ratio Lower Upper
43 100
72 27.7 12.8 38.3



#23
Bromochloromethane
Concen: 49.290 ug/L
RT: 7.422 min Scan# 992
Delta R.T. -0.006 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

Tgt Ion:128 Resp: 33194
Ion Ratio Lower Upper
128 100
49 181.2 108.4 201.2
130 128.0 77.9 144.7
51 52.0 39.3 58.9





#25

Chloroform

Concen: 49.108 ug/L

RT: 7.599 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VD075415.D

Acq: 23 Feb 2023 15:57

Instrument :

MSVOA_D

ClientSampleId :

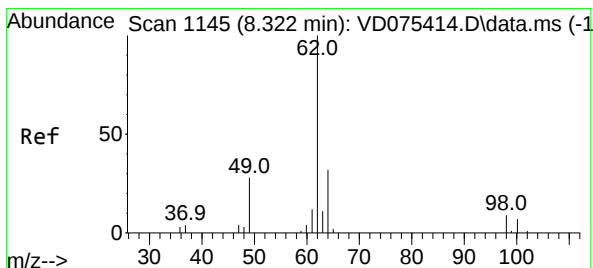
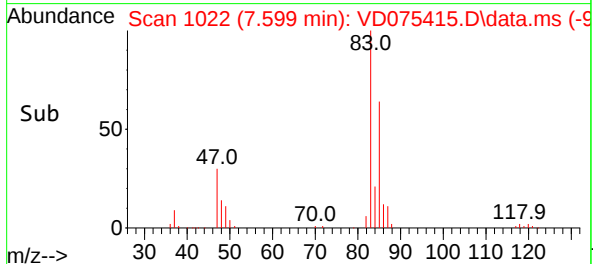
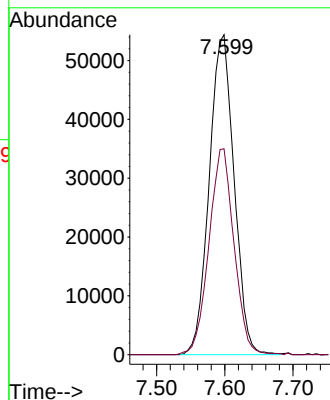
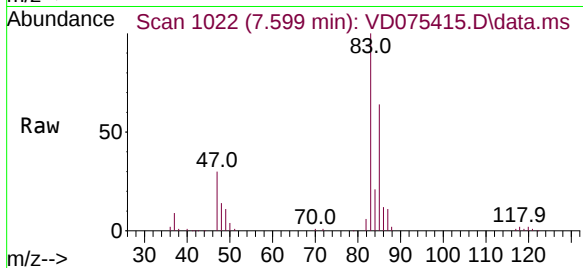
VSTD050108

Tgt Ion: 83 Resp: 138349

Ion Ratio Lower Upper

83 100

85 64.4 42.1 78.3



#27

1,2-Dichloroethane

Concen: 48.240 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VD075415.D

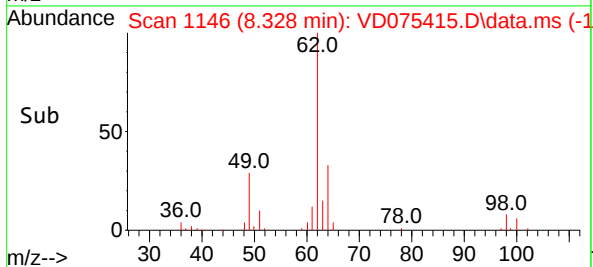
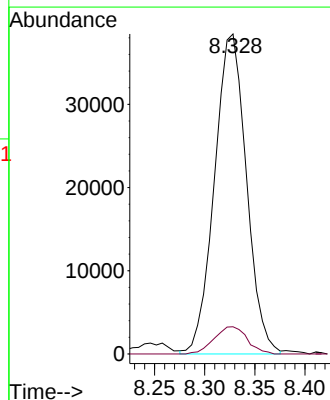
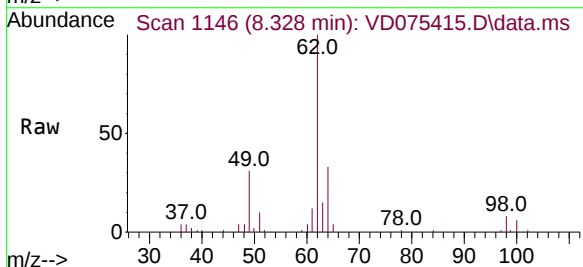
Acq: 23 Feb 2023 15:57

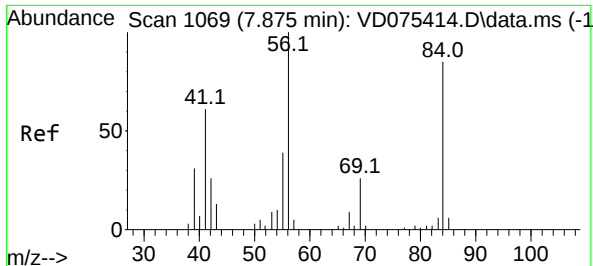
Tgt Ion: 62 Resp: 85426

Ion Ratio Lower Upper

62 100

98 8.5 6.8 10.2





#29

Cyclohexane

Concen: 51.374 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD075415.D

Acq: 23 Feb 2023 15:57

Instrument :

MSVOA_D

ClientSampleId :

VSTD050108

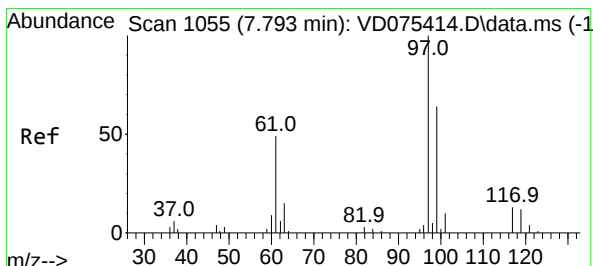
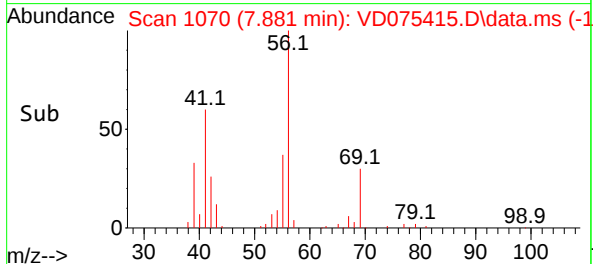
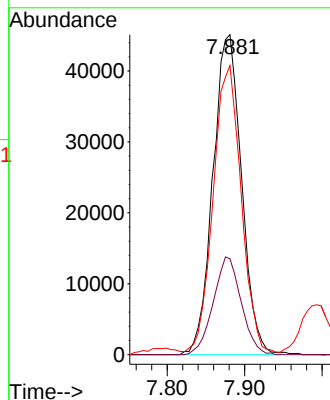
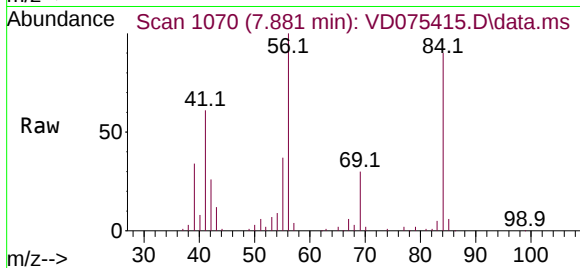
Tgt Ion: 56 Resp: 115961

Ion Ratio Lower Upper

56 100

69 29.8 23.2 34.8

84 89.2 70.1 105.1



#30

1,1,1-Trichloroethane

Concen: 49.068 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD075415.D

Acq: 23 Feb 2023 15:57

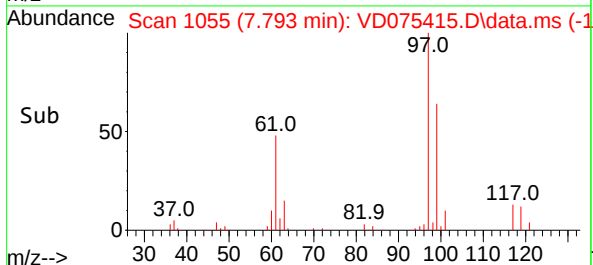
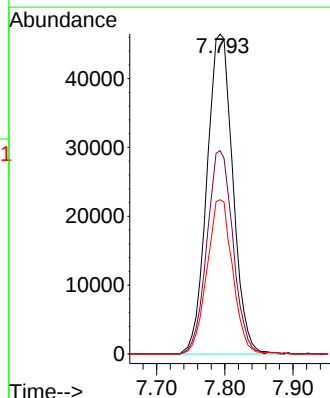
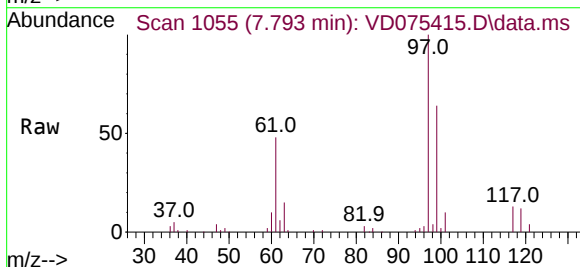
Tgt Ion: 97 Resp: 123013

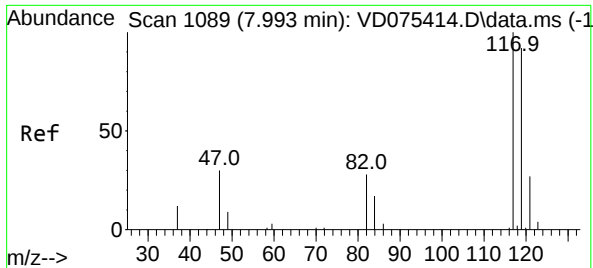
Ion Ratio Lower Upper

97 100

99 63.8 52.6 78.8

61 47.6 37.8 56.8

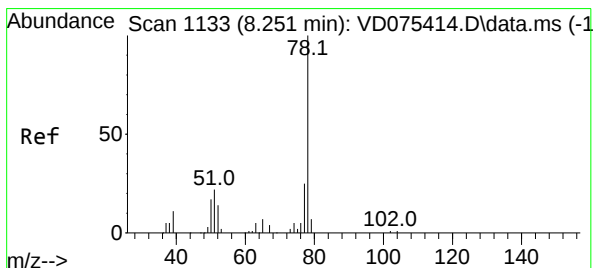
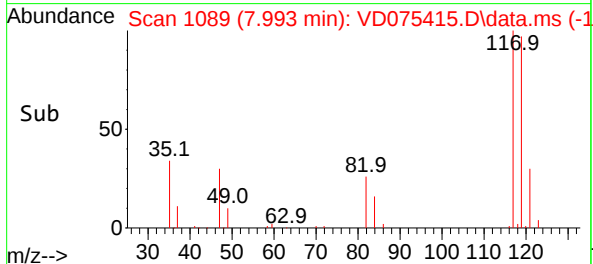
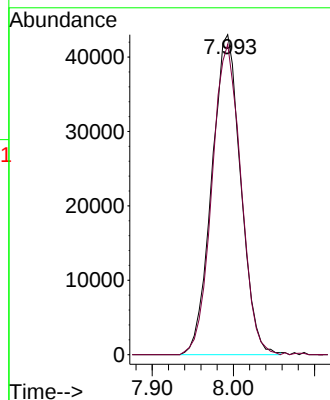
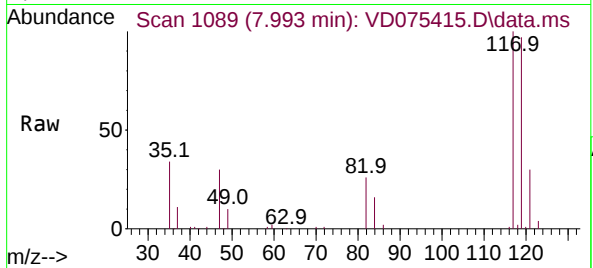




#31
Carbon tetrachloride
Concen: 49.536 ug/L
RT: 7.993 min Scan# 1108
Delta R.T. 0.000 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

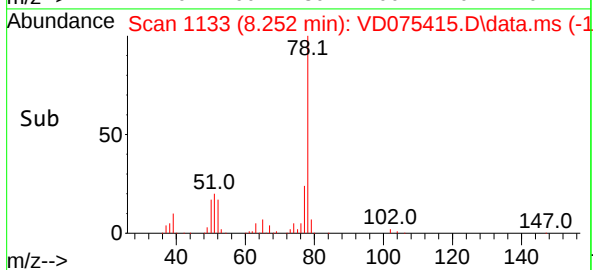
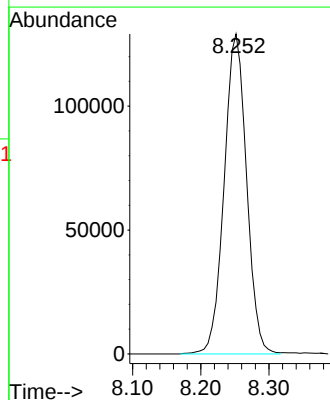
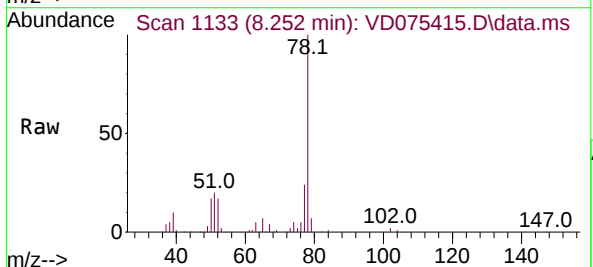
Instrument :
MSVOA_D
ClientSampleId :
VSTD050108

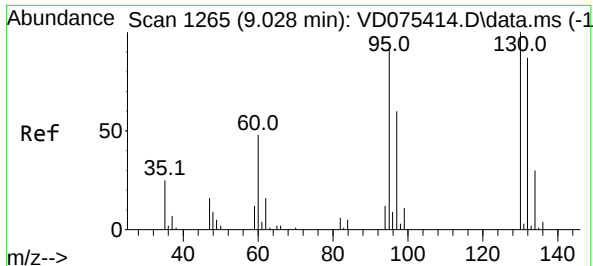
Tgt Ion:117 Resp: 106625
Ion Ratio Lower Upper
117 100
119 96.8 76.2 114.2



#33
Benzene
Concen: 50.041 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

Tgt Ion: 78 Resp: 295632



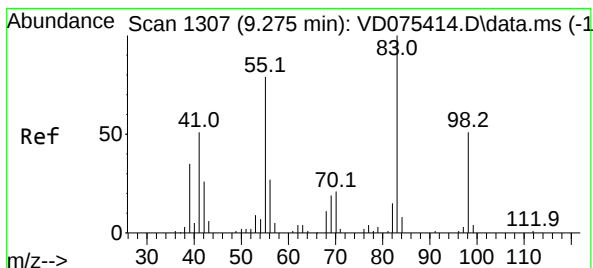
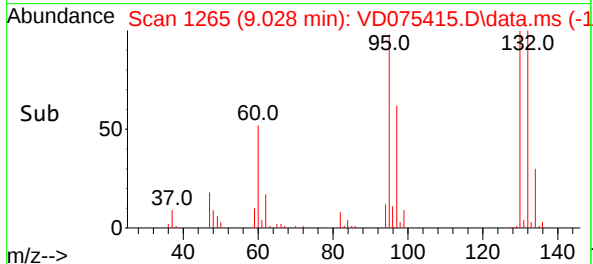
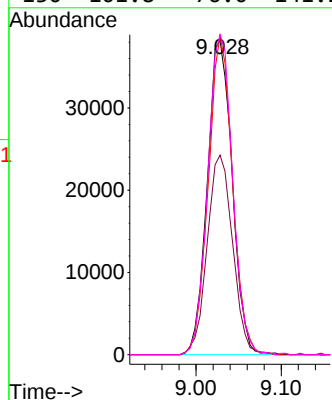
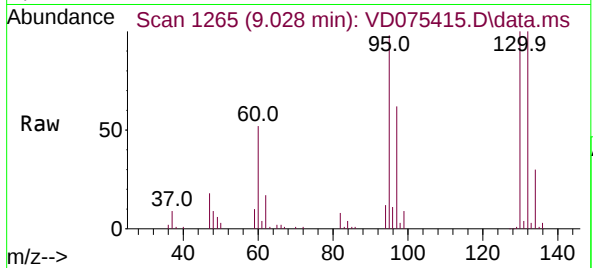


#34
Trichloroethene
Concen: 49.494 ug/L
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

Instrument :
MSVOA_D
ClientSampleId :
VSTD050108

Tgt Ion: 95 Resp: 77741

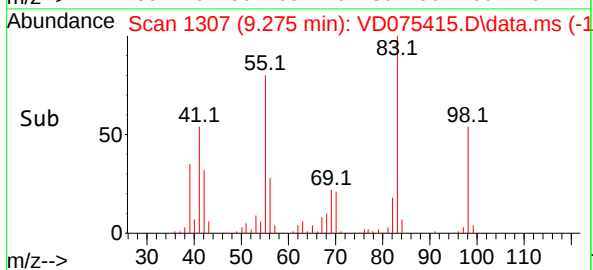
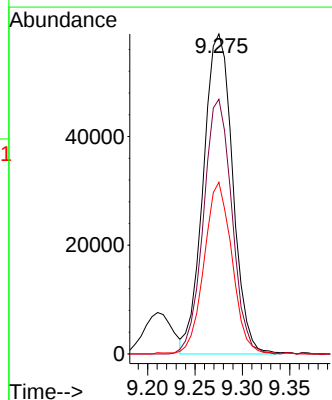
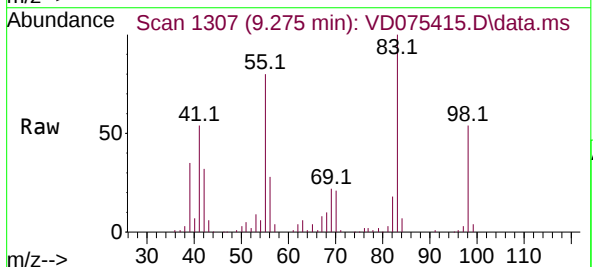
Ion	Ratio	Lower	Upper
95	100		
97	63.4	45.4	84.4
132	101.4	65.9	122.3
130	101.8	76.0	141.2

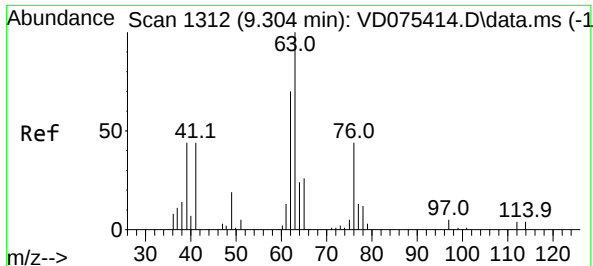


#35
Methylcyclohexane
Concen: 50.468 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

Tgt Ion: 83 Resp: 126988

Ion	Ratio	Lower	Upper
83	100		
55	77.0	60.6	90.8
98	50.7	39.6	59.4

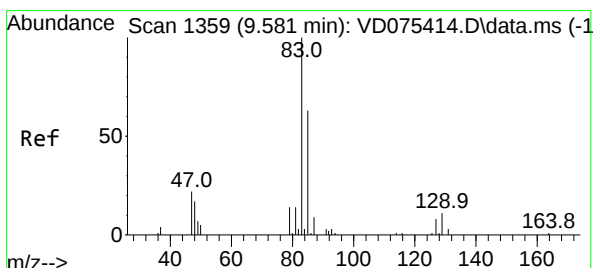
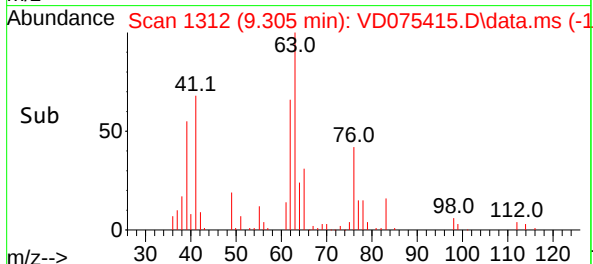
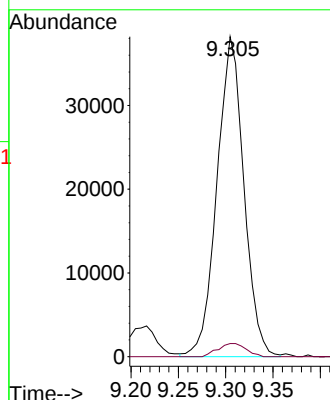
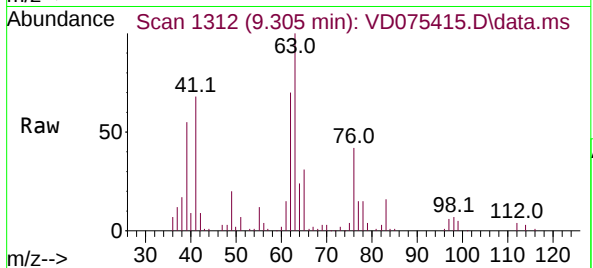




#37
1,2-Dichloropropane
Concen: 49.029 ug/L
RT: 9.305 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

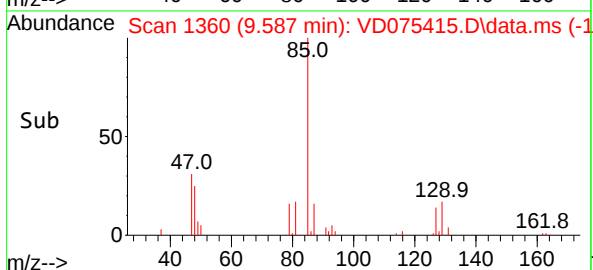
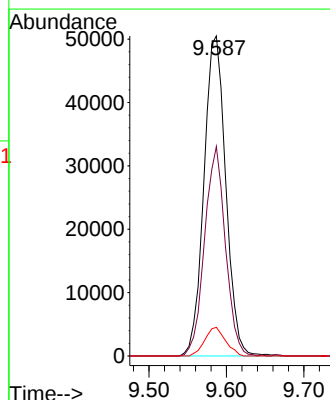
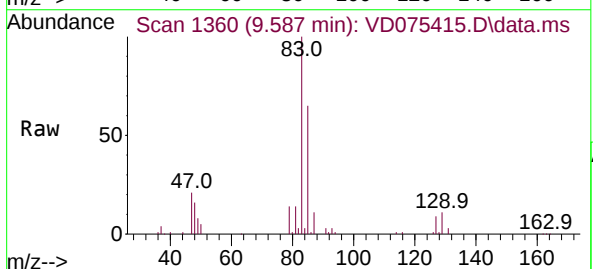
Instrument :
MSVOA_D
ClientSampleId :
VSTD050108

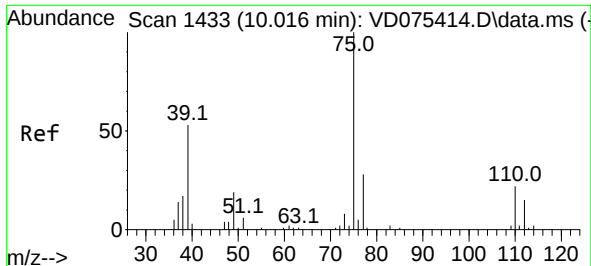
Tgt Ion: 63 Resp: 75496
Ion Ratio Lower Upper
63 100
112 4.3 3.5 5.3



#38
Bromodichloromethane
Concen: 49.673 ug/L
RT: 9.587 min Scan# 1360
Delta R.T. 0.006 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

Tgt Ion: 83 Resp: 98953
Ion Ratio Lower Upper
83 100
85 65.5 43.9 81.5
127 8.9 6.3 9.5

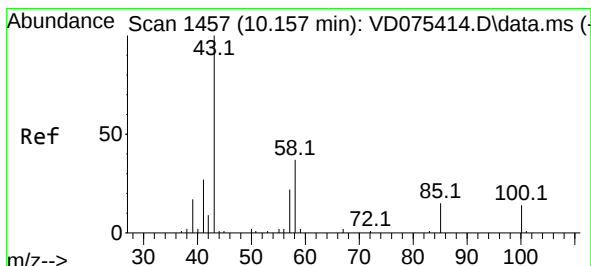
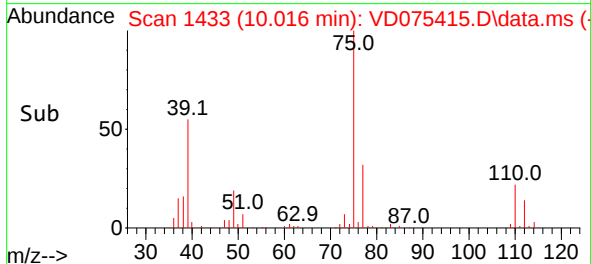
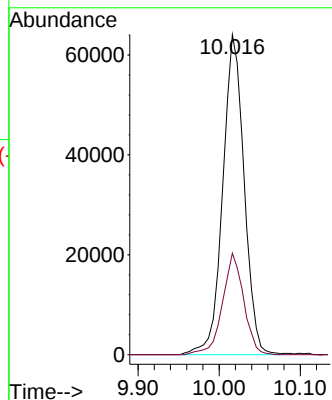
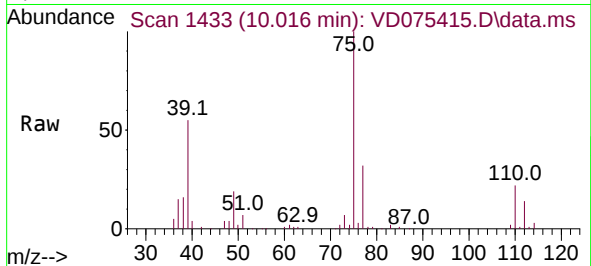




#39
 cis-1,3-Dichloropropene
 Concen: 52.571 ug/L
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD075415.D
 Acq: 23 Feb 2023 15:57

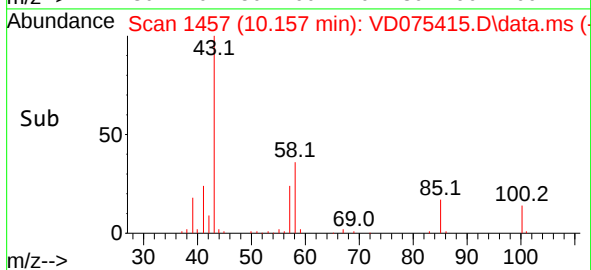
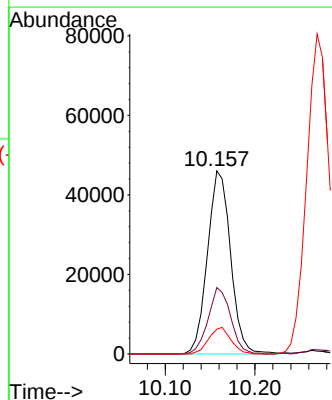
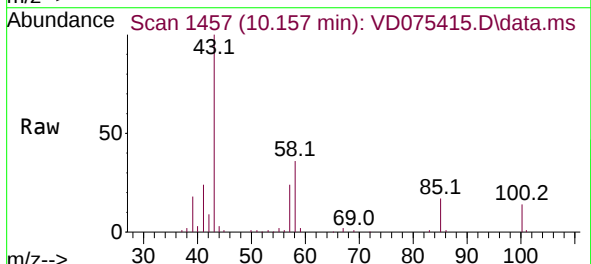
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD050108

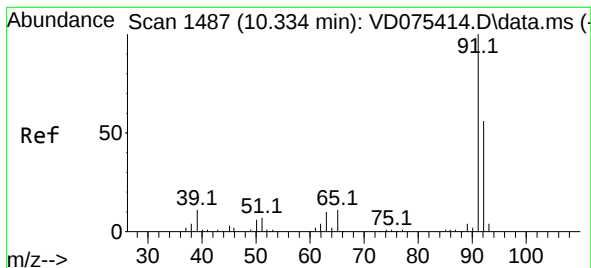
Tgt Ion: 75 Resp: 117485
 Ion Ratio Lower Upper
 75 100
 77 31.7 19.3 35.9



#40
 4-Methyl-2-pentanone
 Concen: 99.745 ug/L
 RT: 10.157 min Scan# 1457
 Delta R.T. 0.000 min
 Lab File: VD075415.D
 Acq: 23 Feb 2023 15:57

Tgt Ion: 43 Resp: 82531
 Ion Ratio Lower Upper
 43 100
 58 35.2 29.5 44.3
 100 13.9 11.4 17.2





#42

Toluene

Concen: 52.394 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD075415.D

Acq: 23 Feb 2023 15:57

Instrument :

MSVOA_D

ClientSampleId :

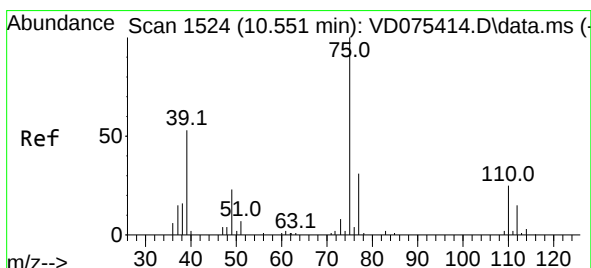
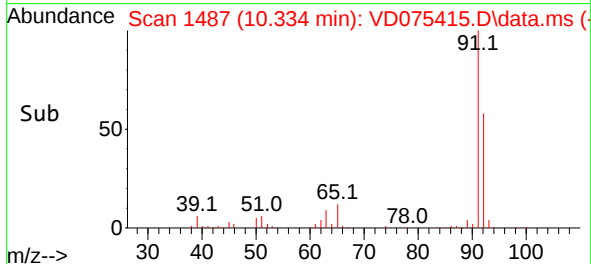
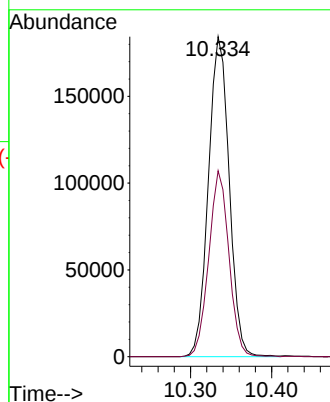
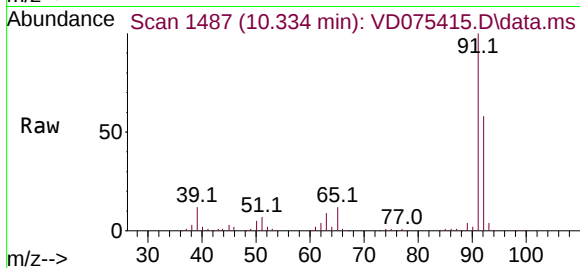
VSTD050108

Tgt Ion: 91 Resp: 327912

Ion Ratio Lower Upper

91 100

92 58.1 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 52.489 ug/L

RT: 10.557 min Scan# 1525

Delta R.T. 0.006 min

Lab File: VD075415.D

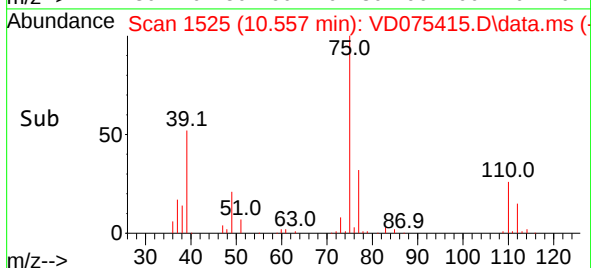
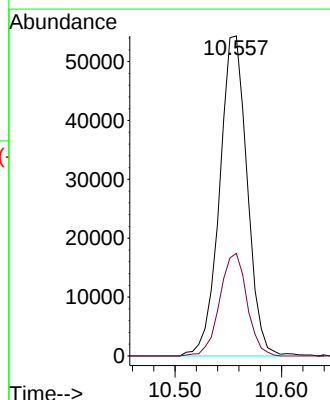
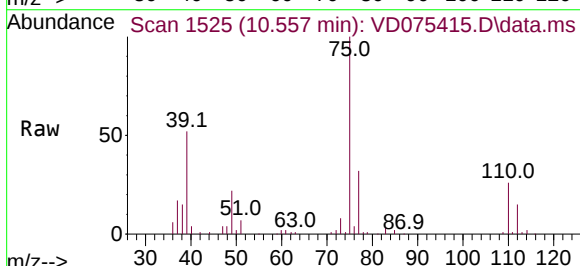
Acq: 23 Feb 2023 15:57

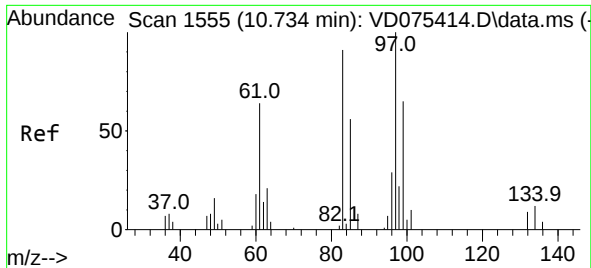
Tgt Ion: 75 Resp: 97581

Ion Ratio Lower Upper

75 100

77 32.1 21.4 39.8

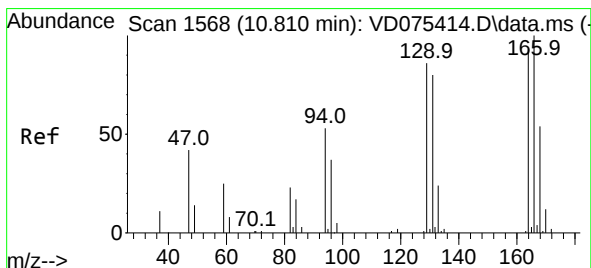
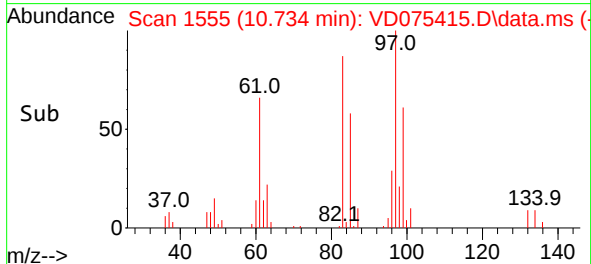
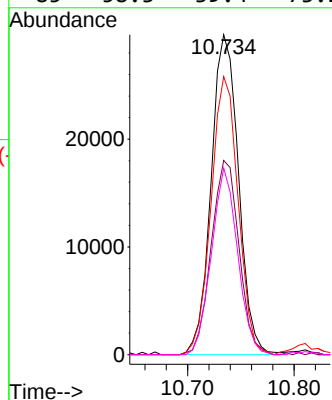
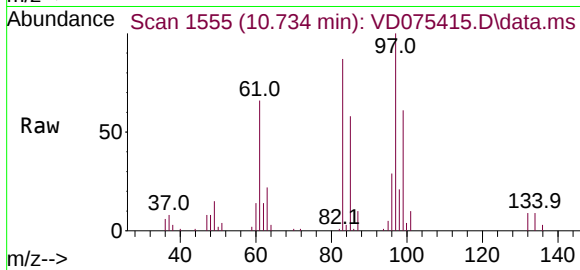




#45
1,1,2-Trichloroethane
Concen: 49.261 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

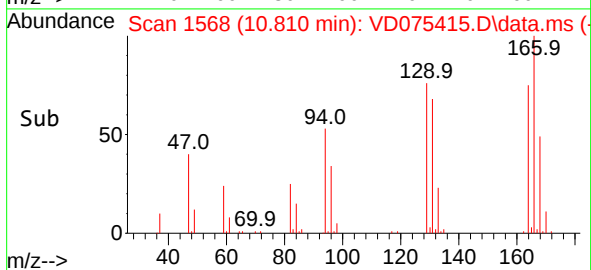
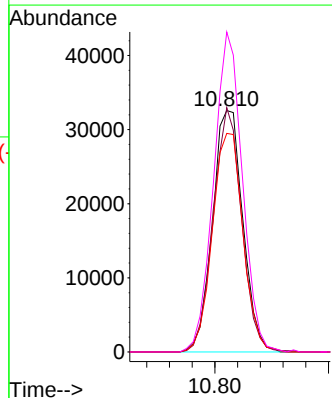
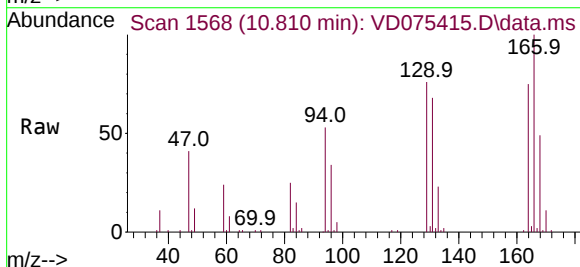
Instrument :
MSVOA_D
ClientSampleId :
VSTD050108

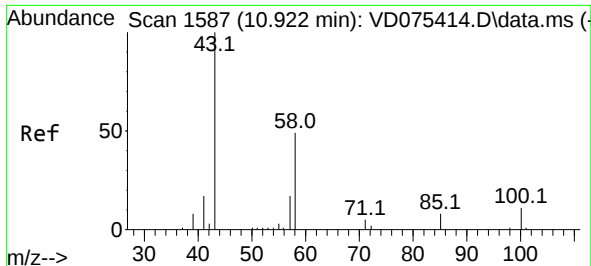
Tgt Ion: 97	Resp: 53001
Ion Ratio	Lower Upper
97 100	
99 60.7	45.4 84.2
83 86.9	63.8 118.6
85 58.3	39.4 73.2



#46
Tetrachloroethene
Concen: 48.674 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

Tgt	Ion:164	Resp:	60320
Ion	Ratio	Lower	Upper
164	100		
129	101.2	64.8	120.4
131	90.5	60.1	111.5
166	132.5	75.7	140.5

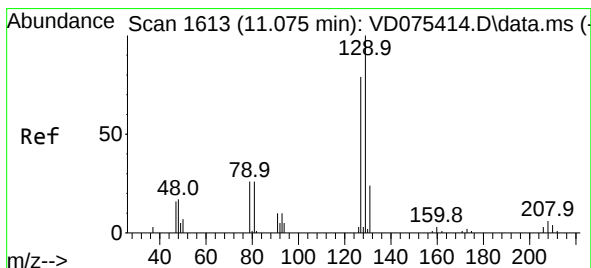
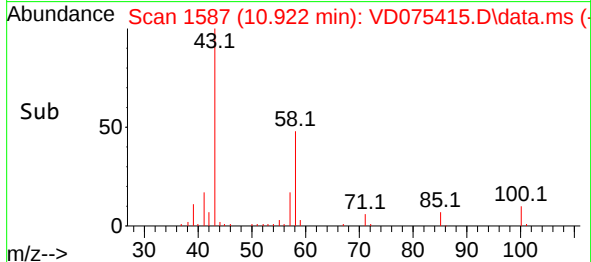
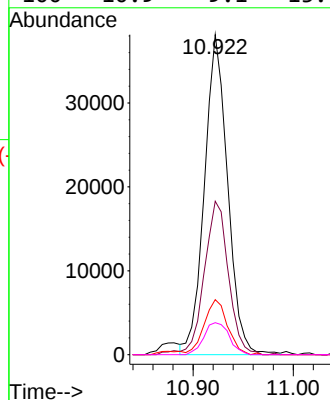
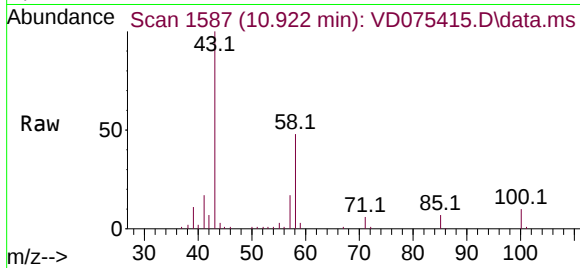




#48
2-Hexanone
Concen: 100.233 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

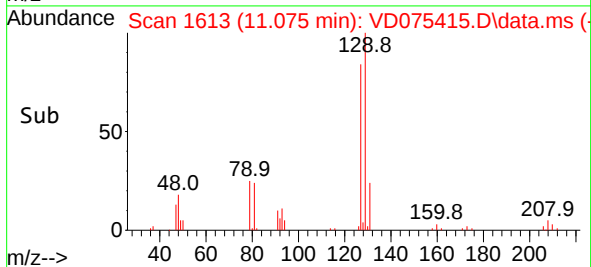
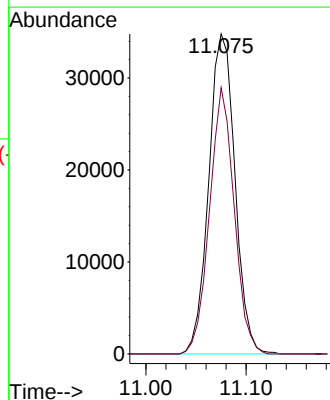
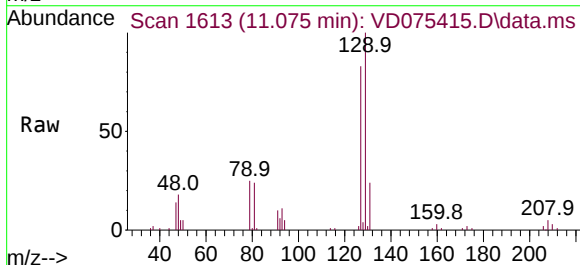
Instrument :
MSVOA_D
ClientSampleId :
VSTD050108

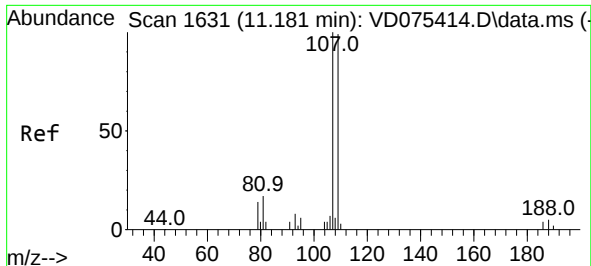
Tgt Ion:	43	Resp:	61362
Ion	Ratio	Lower	Upper
43	100		
58	50.1	40.3	60.5
57	17.2	13.4	20.0
100	10.9	9.1	13.7



#49
Dibromochloromethane
Concen: 50.021 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

Tgt Ion:	129	Resp:	63268
Ion	Ratio	Lower	Upper
129	100		
127	83.2	55.3	102.7

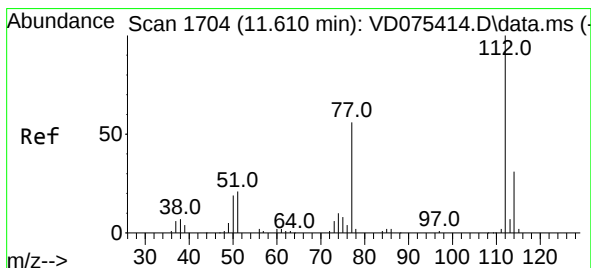
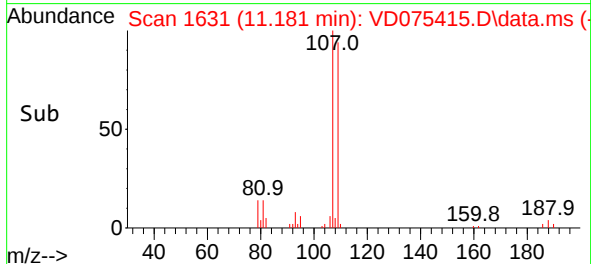
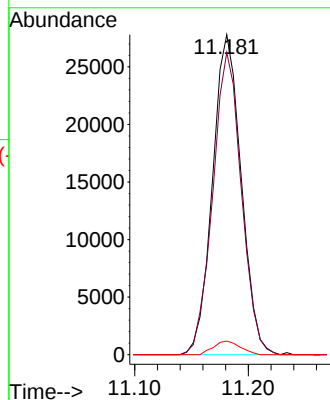
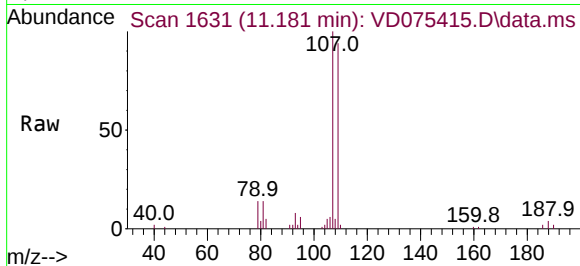




#50
1,2-Dibromoethane
Concen: 48.924 ug/L
RT: 11.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

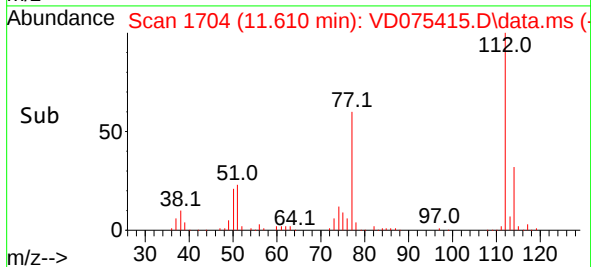
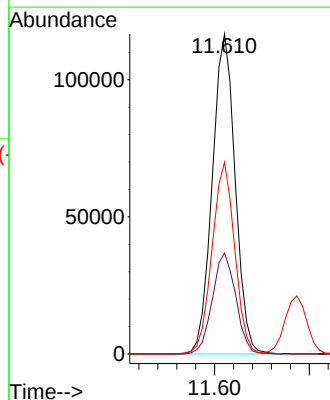
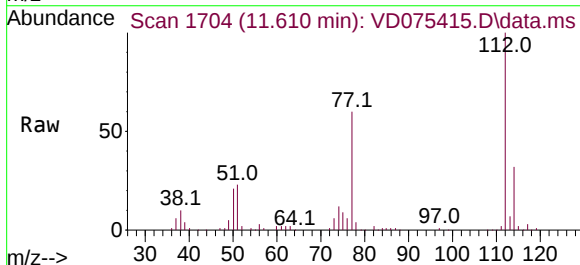
Instrument :
MSVOA_D
ClientSampleId :
VSTD050108

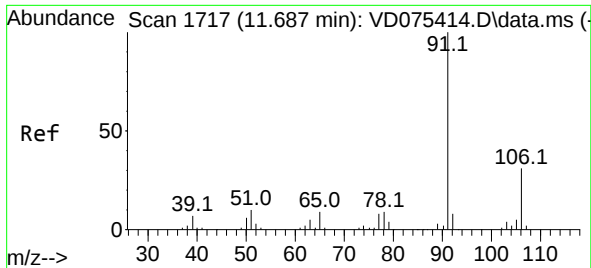
Tgt Ion:	107	Resp:	48639
Ion	Ratio	Lower	Upper
107	100		
109	94.5	69.6	129.2
188	4.2	3.8	5.6



#51
Chlorobenzene
Concen: 49.439 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

Tgt Ion:	112	Resp:	196236
Ion	Ratio	Lower	Upper
112	100		
114	31.5	21.4	39.8
77	59.9	45.1	67.7

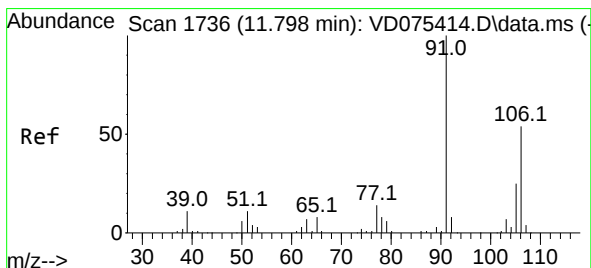
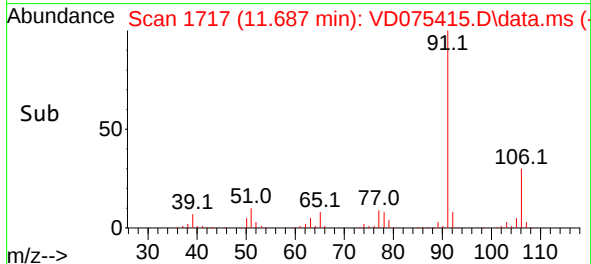
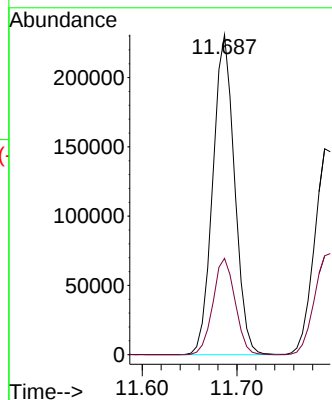
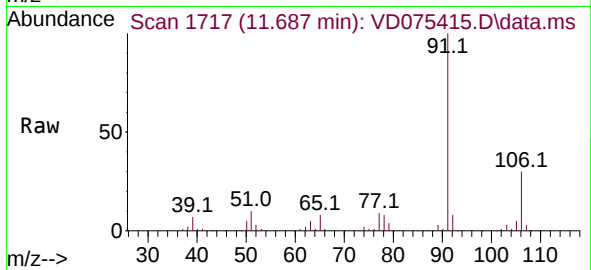




#52
Ethylbenzene
Concen: 53.329 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

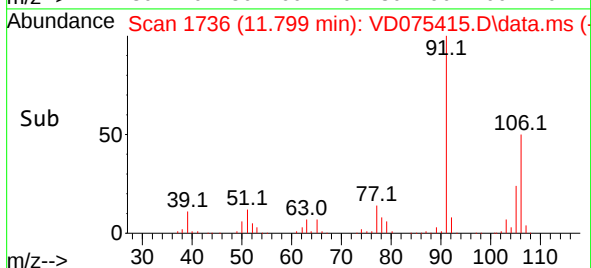
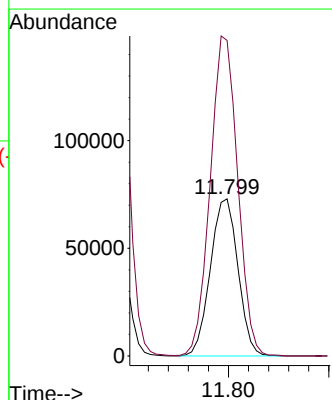
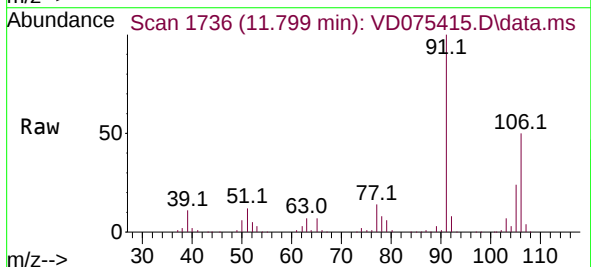
Instrument :
MSVOA_D
ClientSampleId :
VSTD050108

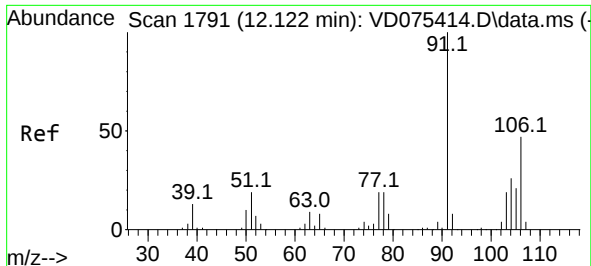
Tgt Ion: 91 Resp: 368710
Ion Ratio Lower Upper
91 100
106 30.1 21.8 40.6



#53
m,p-Xylene
Concen: 53.508 ug/L
RT: 11.799 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

Tgt Ion: 106 Resp: 139492
Ion Ratio Lower Upper
106 100
91 200.7 131.2 243.6

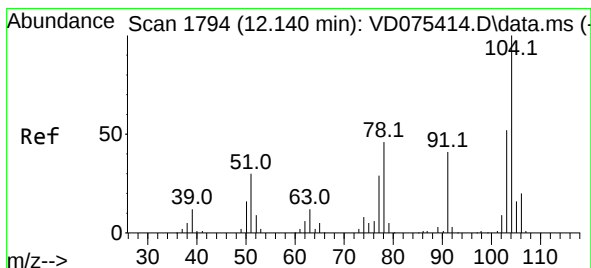
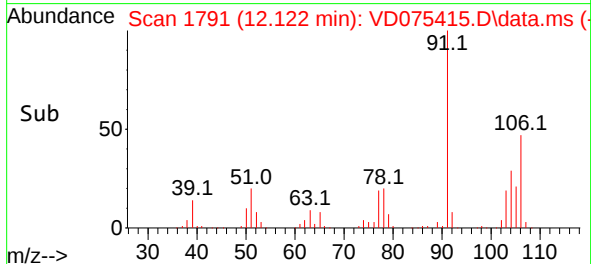
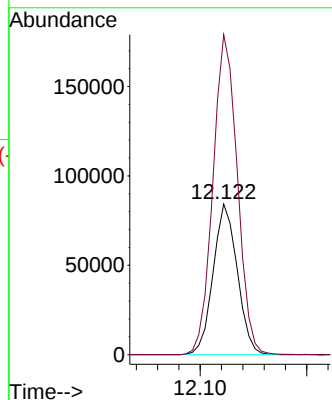
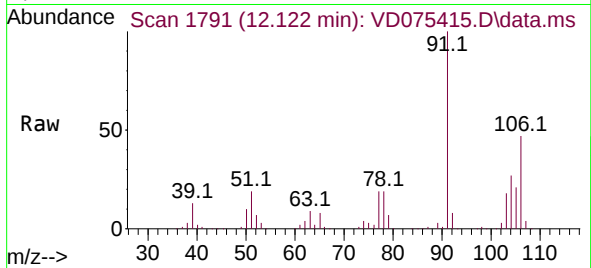




#54
o-Xylene
Concen: 53.771 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

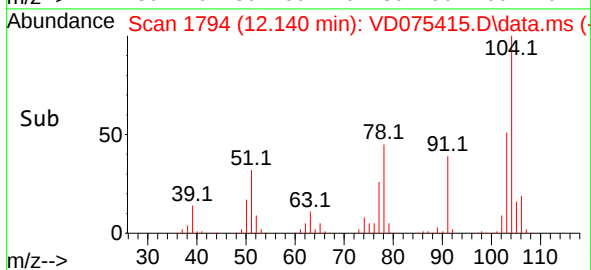
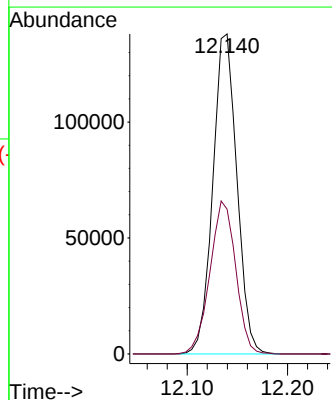
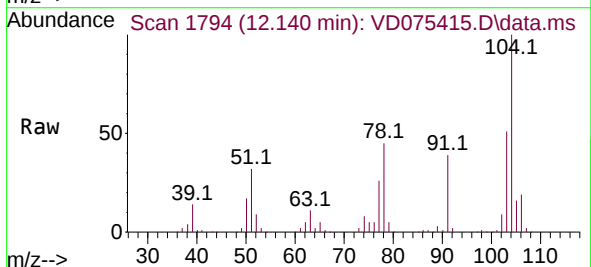
Instrument :
MSVOA_D
ClientSampleId :
VSTD050108

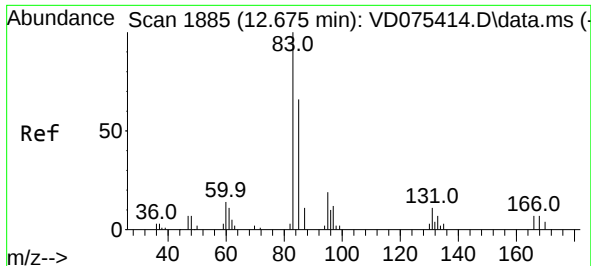
Tgt Ion:106 Resp: 132526
Ion Ratio Lower Upper
106 100
91 212.6 147.7 274.3



#55
Styrene
Concen: 53.720 ug/L
RT: 12.140 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

Tgt Ion:104 Resp: 230037
Ion Ratio Lower Upper
104 100
78 45.3 32.5 60.3





#57

1,1,2,2-Tetrachloroethane

Concen: 48.687 ug/L

RT: 12.675 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VD075415.D

Acq: 23 Feb 2023 15:57

Instrument :

MSVOA_D

ClientSampleId :

VSTD050108

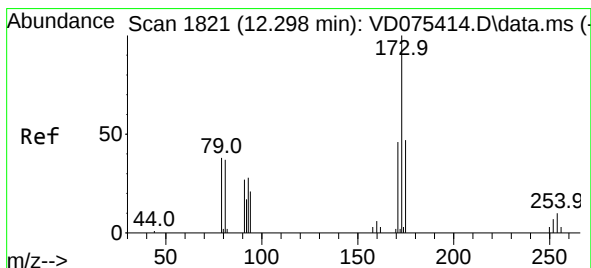
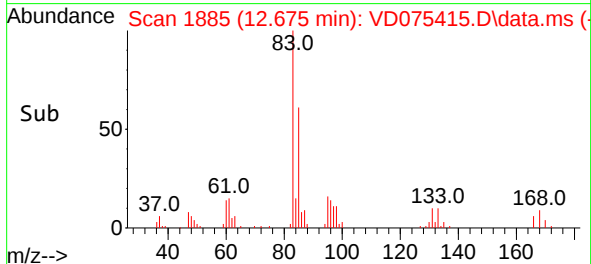
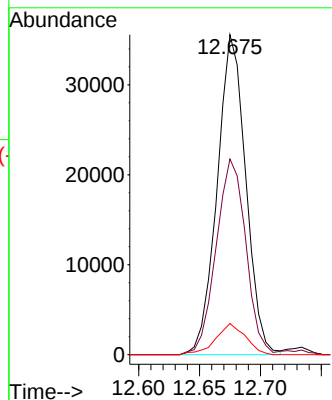
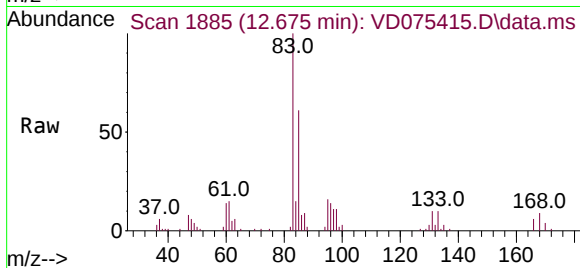
Tgt Ion: 83 Resp: 58196

Ion Ratio Lower Upper

83 100

85 61.2 45.9 85.3

131 9.8 9.0 13.6



#59

Bromoform

Concen: 48.657 ug/L

RT: 12.304 min Scan# 1822

Delta R.T. 0.006 min

Lab File: VD075415.D

Acq: 23 Feb 2023 15:57

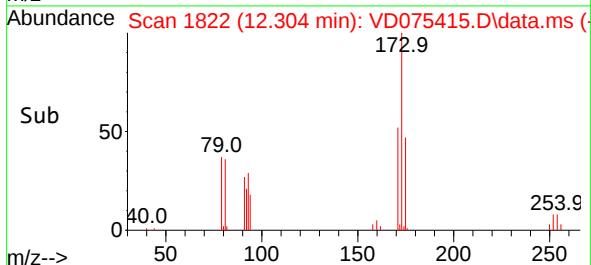
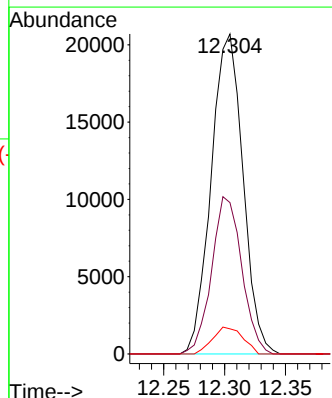
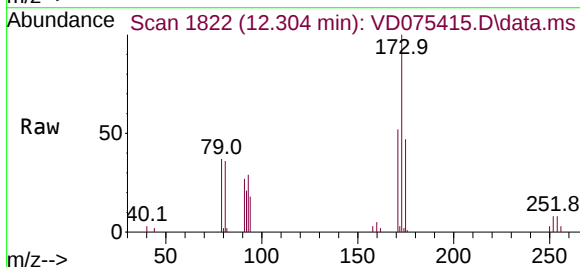
Tgt Ion: 173 Resp: 37613

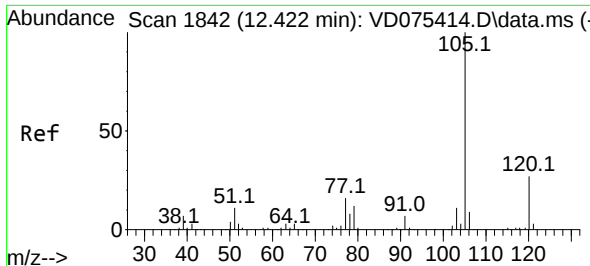
Ion Ratio Lower Upper

173 100

175 46.6 37.7 56.5

254 8.0 7.0 10.4

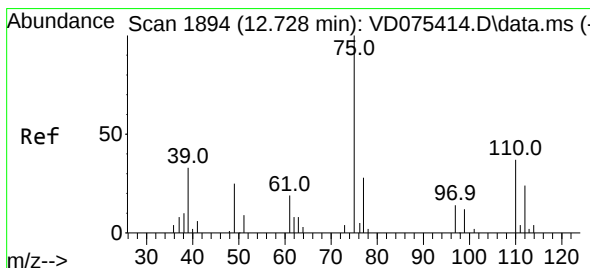
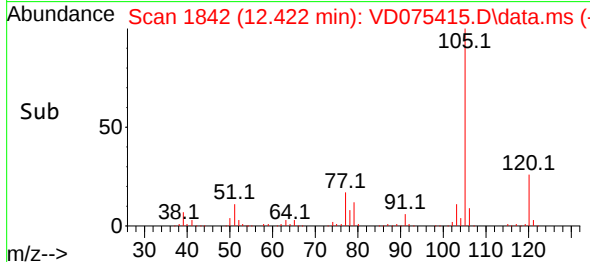
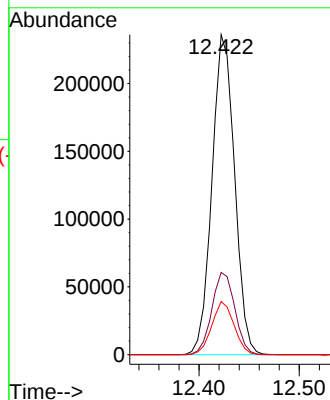
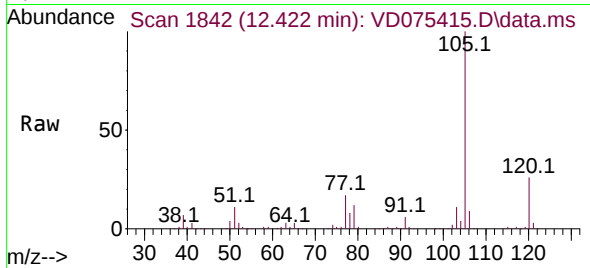




#60
Isopropylbenzene
Concen: 52.747 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

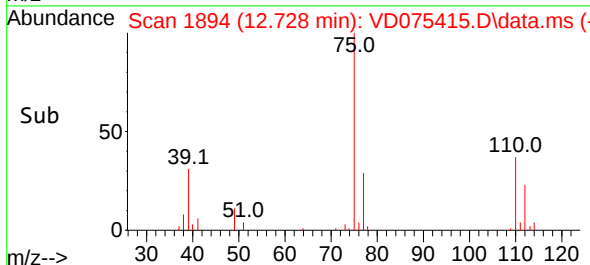
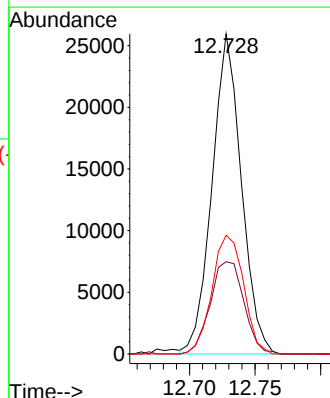
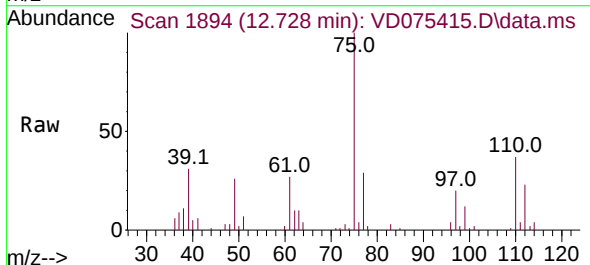
Instrument :
MSVOA_D
ClientSampleId :
VSTD050108

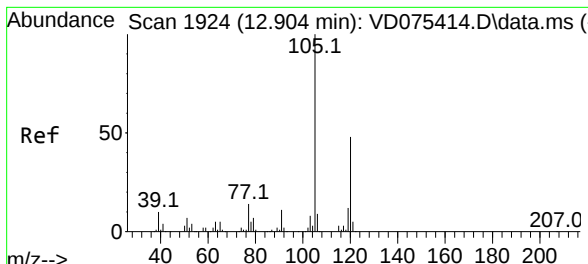
Tgt Ion:105 Resp: 370028
Ion Ratio Lower Upper
105 100
120 26.1 20.8 31.2
77 16.3 12.9 19.3



#61
1,2,3-Trichloropropane
Concen: 48.915 ug/L
RT: 12.728 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

Tgt Ion: 75 Resp: 40313
Ion Ratio Lower Upper
75 100
77 33.2 24.6 36.8
110 39.9 32.4 48.6

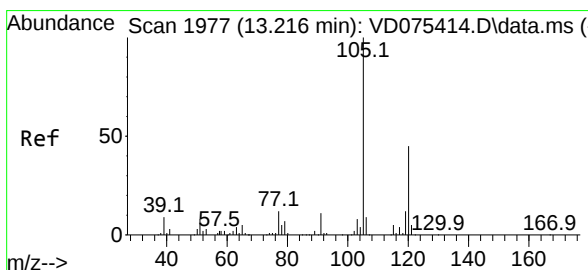
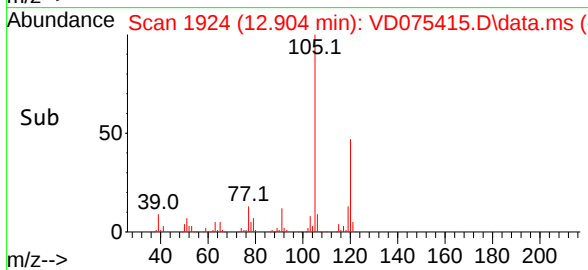
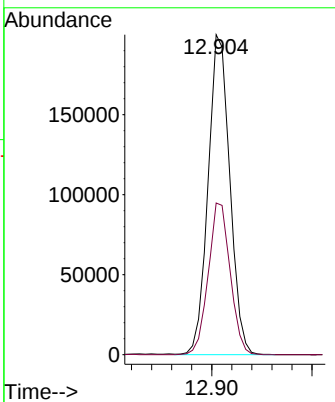
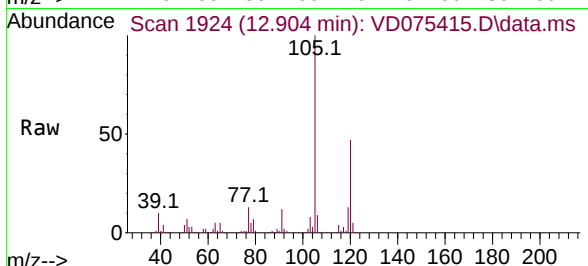




#62
 1,3,5-Trimethylbenzene
 Concen: 54.596 ug/L
 RT: 12.904 min Scan# 1924
 Delta R.T. 0.000 min
 Lab File: VD075415.D
 Acq: 23 Feb 2023 15:57

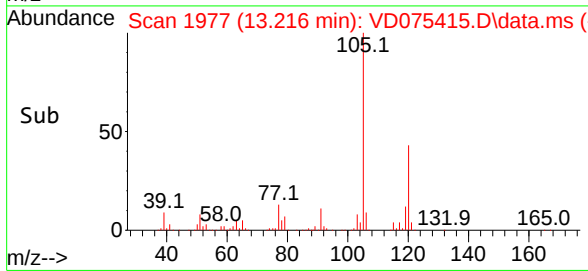
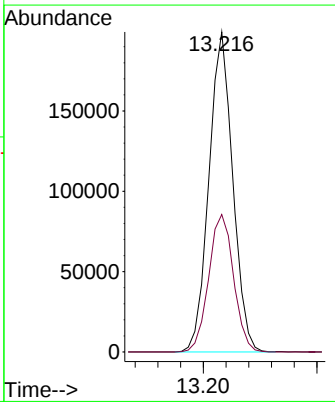
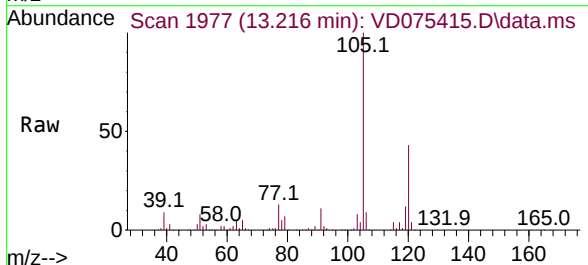
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD050108

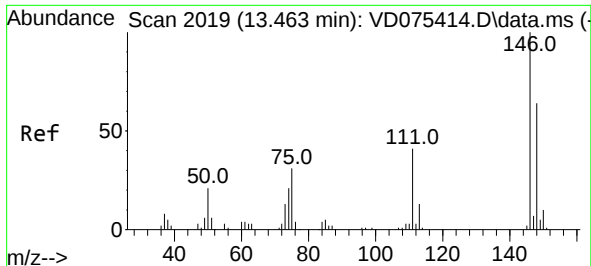
Tgt Ion:	105	Resp:	300114
Ion Ratio	Lower	Upper	
105	100		
120	47.8	38.6	57.8



#63
 1,2,4-Trimethylbenzene
 Concen: 54.705 ug/L
 RT: 13.216 min Scan# 1977
 Delta R.T. 0.000 min
 Lab File: VD075415.D
 Acq: 23 Feb 2023 15:57

Tgt Ion:	105	Resp:	289885
Ion Ratio	Lower	Upper	
105	100		
120	44.8	36.3	54.5





#64

1,3-Dichlorobenzene

Concen: 49.980 ug/L

RT: 13.463 min Scan# 2019

Delta R.T. 0.000 min

Lab File: VD075415.D

Acq: 23 Feb 2023 15:57

Instrument :

MSVOA_D

ClientSampleId :

VSTD050108

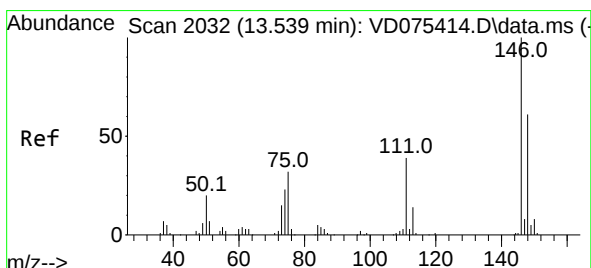
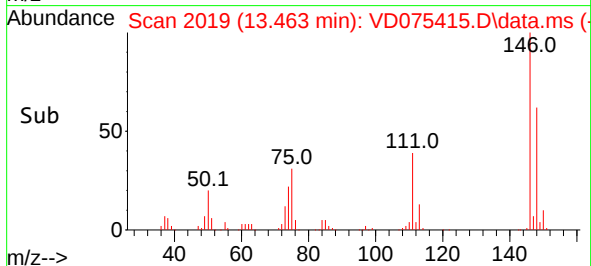
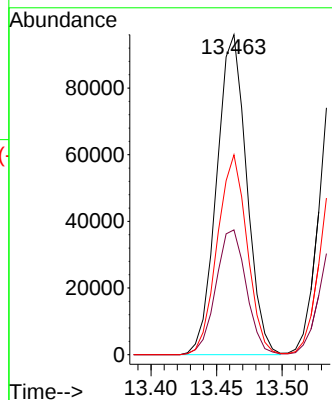
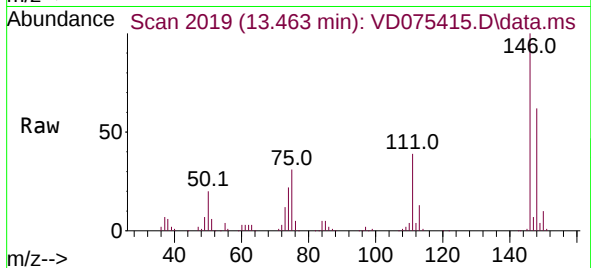
Tgt Ion:146 Resp: 152609

Ion Ratio Lower Upper

146 100

111 39.0 28.8 53.4

148 62.5 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 49.556 ug/L

RT: 13.540 min Scan# 2032

Delta R.T. 0.000 min

Lab File: VD075415.D

Acq: 23 Feb 2023 15:57

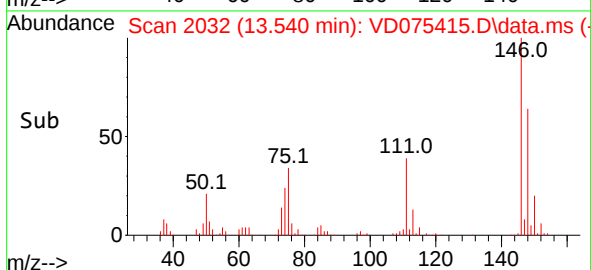
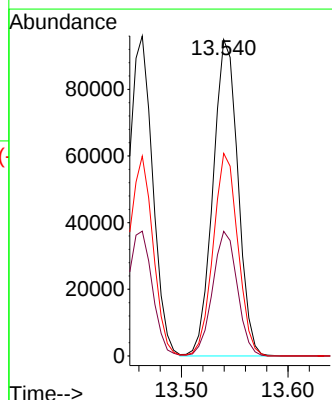
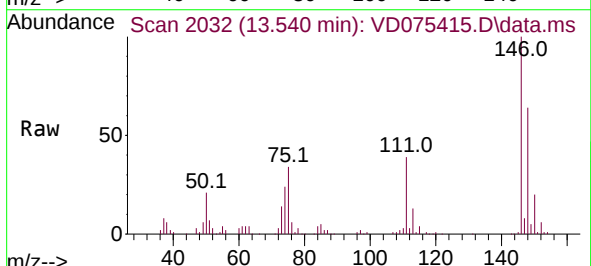
Tgt Ion:146 Resp: 154438

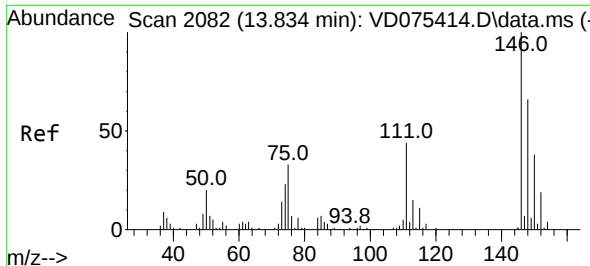
Ion Ratio Lower Upper

146 100

111 39.4 27.9 51.7

148 64.1 43.3 80.5





#67

1,2-Dichlorobenzene

Concen: 49.602 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VD075415.D

Acq: 23 Feb 2023 15:57

Instrument :

MSVOA_D

ClientSampleId :

VSTD050108

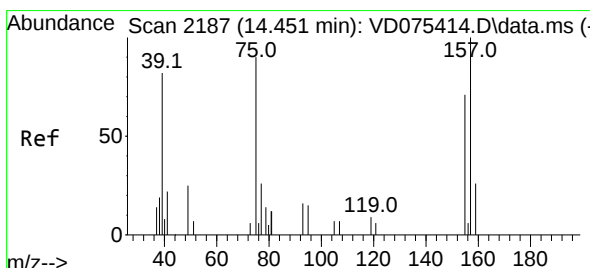
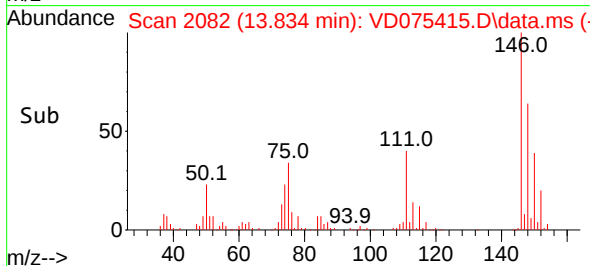
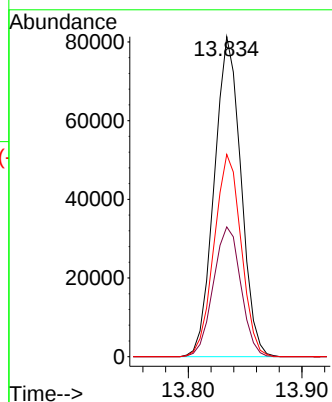
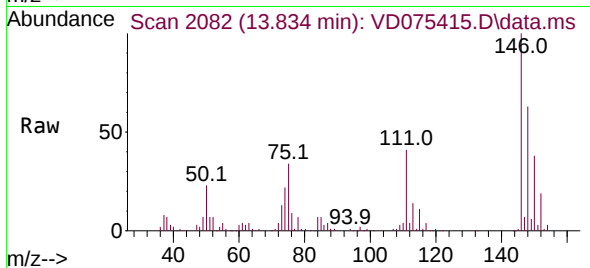
Tgt Ion:146 Resp: 132774

Ion Ratio Lower Upper

146 100

111 40.6 35.0 52.6

148 63.2 52.7 79.1



#68

1,2-Dibromo-3-chloropropane

Concen: 46.272 ug/L

RT: 14.451 min Scan# 2187

Delta R.T. 0.000 min

Lab File: VD075415.D

Acq: 23 Feb 2023 15:57

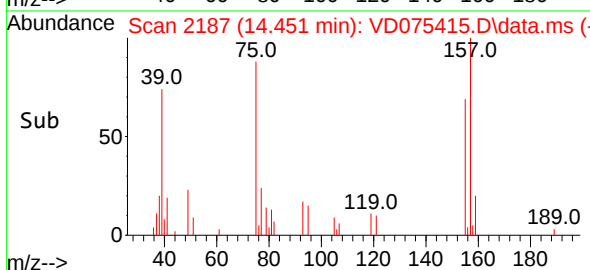
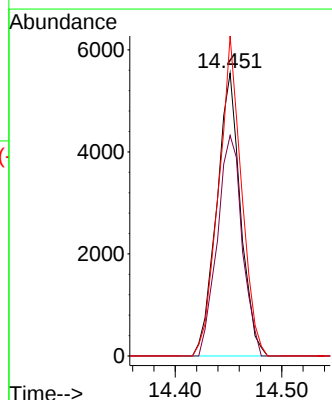
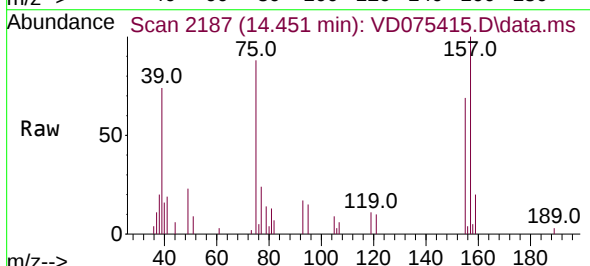
Tgt Ion: 75 Resp: 8592

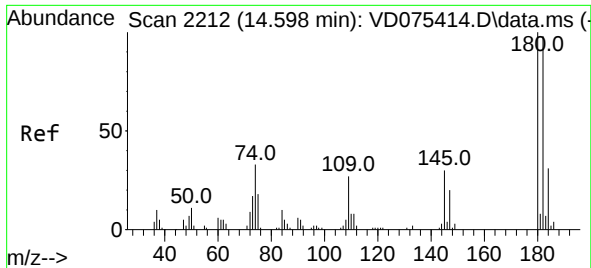
Ion Ratio Lower Upper

75 100

155 77.9 63.1 94.7

157 113.1 89.2 133.8





#69

1,3,5-Trichlorobenzene

Concen: 50.823 ug/L

RT: 14.598 min Scan# 2212

Delta R.T. 0.000 min

Lab File: VD075415.D

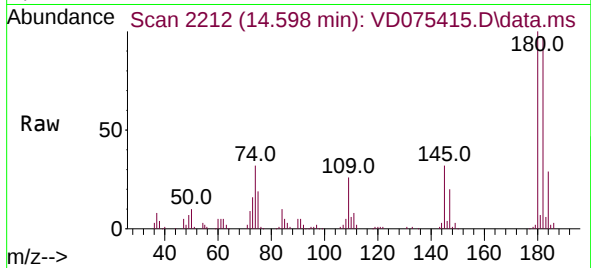
Acq: 23 Feb 2023 15:57

Instrument :

MSVOA_D

ClientSampleId :

VSTD050108



Tgt Ion:180 Resp: 102290

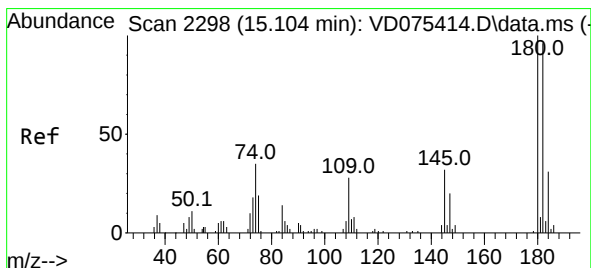
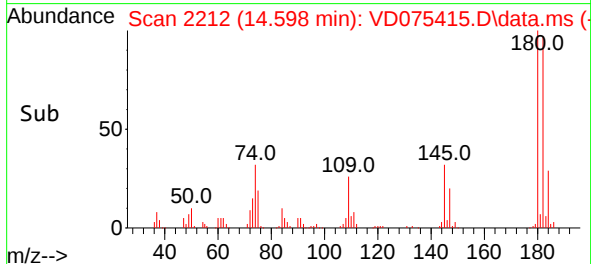
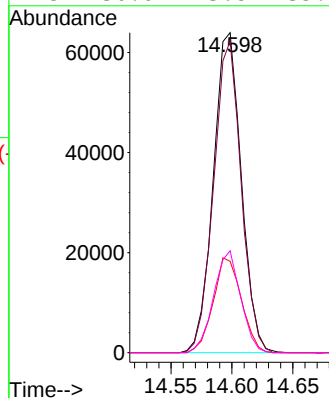
Ion Ratio Lower Upper

180 100

182 95.2 75.0 112.6

184 29.9 23.8 35.6

145 30.6 23.8 35.8



#70

1,2,4-trichlorobenzene

Concen: 50.820 ug/L

RT: 15.104 min Scan# 2298

Delta R.T. 0.000 min

Lab File: VD075415.D

Acq: 23 Feb 2023 15:57

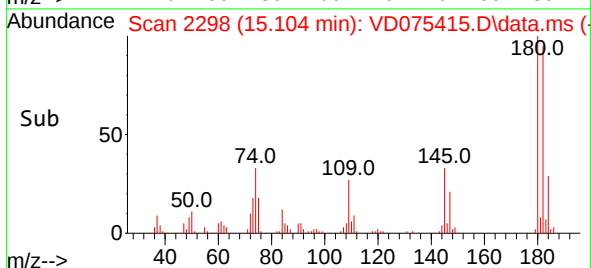
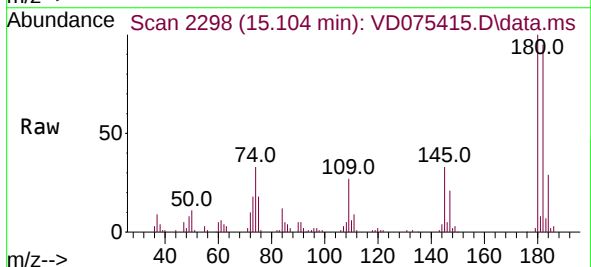
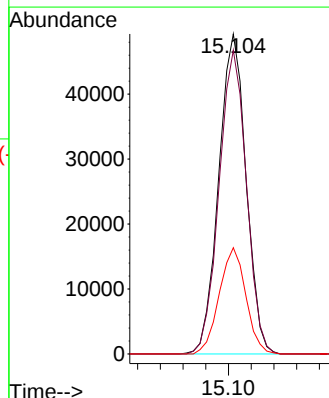
Tgt Ion:180 Resp: 82289

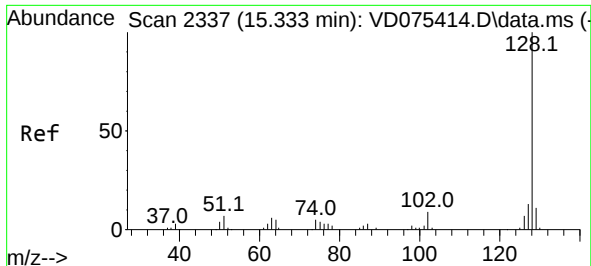
Ion Ratio Lower Upper

180 100

182 95.0 77.1 115.7

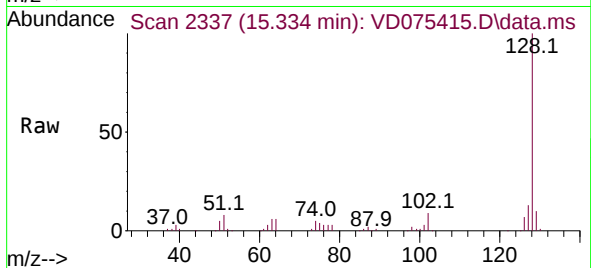
145 32.3 23.8 35.6



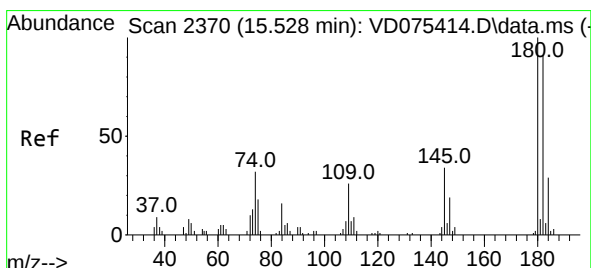
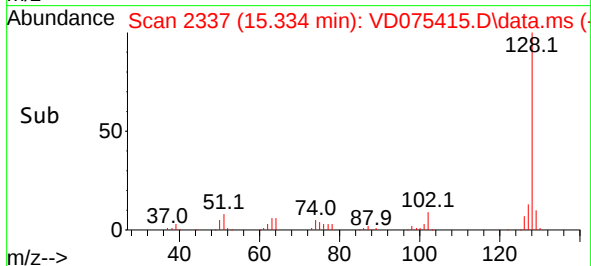
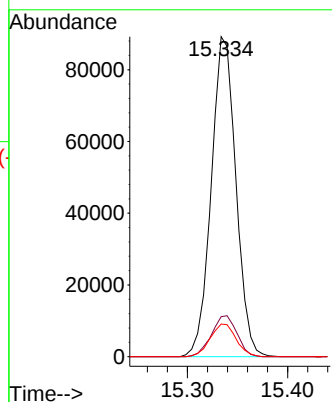


#71
Naphthalene
Concen: 52.094 ug/L
RT: 15.334 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

Instrument :
MSVOA_D
ClientSampleId :
VSTD050108



Tgt Ion:128 Resp: 152505
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 10.7 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 51.854 ug/L
RT: 15.528 min Scan# 2370
Delta R.T. 0.000 min
Lab File: VD075415.D
Acq: 23 Feb 2023 15:57

Tgt Ion:180 Resp: 72409
Ion Ratio Lower Upper
180 100
182 92.1 75.4 113.2
145 33.2 26.6 39.8

