

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021323\
 Data File : VD075331.D
 Acq On : 13 Feb 2023 17:15
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 14 01:25:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 04:26:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	49578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	79750	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	74014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	38544	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	29342	50.473	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.940%	
35) Dibromofluoromethane	7.804	113	28730	51.377	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.760%	
50) Toluene-d8	10.269	98	104107	49.091	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.180%	
62) 4-Bromofluorobenzene	12.581	95	35352	50.555	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.120%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.928	85	18636	46.462	ug/l	96
3) Chloromethane	2.146	50	32583	47.134	ug/l	94
4) Vinyl Chloride	2.281	62	37189	45.088	ug/l	99
5) Bromomethane	2.693	94	23697	44.904	ug/l	98
6) Chloroethane	2.834	64	25199	44.286	ug/l	98
7) Trichlorofluoromethane	3.169	101	48819	47.603	ug/l	93
8) Diethyl Ether	3.587	74	14018	50.847	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.963	101	29539	50.757	ug/l	99
10) Methyl Iodide	4.163	142	32879	46.775	ug/l	98
11) Tert butyl alcohol	5.046	59	7391	213.100	ug/l #	96
12) 1,1-Dichloroethene	3.940	96	27528	49.609	ug/l	95
13) Acrolein	3.787	56	4346	242.058	ug/l	95
14) Allyl chloride	4.563	41	46367	50.223	ug/l	92
15) Acrylonitrile	5.252	53	34461	270.476	ug/l	98
16) Acetone	4.016	43	38271	248.967	ug/l	94
17) Carbon Disulfide	4.269	76	80217	46.858	ug/l	97
18) Methyl Acetate	4.563	43	19881	48.567	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	66092	51.878	ug/l	98
20) Methylene Chloride	4.799	84	35474	55.430	ug/l	96
21) trans-1,2-Dichloroethene	5.310	96	31388	49.987	ug/l	97
22) Diisopropyl ether	6.210	45	99961	54.434	ug/l	99
23) Vinyl Acetate	6.152	43	251384	391.877	ug/l	97
24) 1,1-Dichloroethane	6.110	63	59092	51.613	ug/l	99
25) 2-Butanone	7.075	43	46285	243.004	ug/l	95
26) 2,2-Dichloropropane	7.075	77	52775	52.077	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	37080	52.782	ug/l	99
28) Bromochloromethane	7.422	49	14915	52.399	ug/l	94
29) Tetrahydrofuran	7.446	42	26075	254.228	ug/l	98
30) Chloroform	7.593	83	62364	52.922	ug/l	95
31) Cyclohexane	7.875	56	49466	47.919	ug/l	95
32) 1,1,1-Trichloroethane	7.793	97	54305	51.519	ug/l	99
36) 1,1-Dichloropropene	8.010	75	45588	52.334	ug/l	99
37) Ethyl Acetate	7.163	43	18754	49.364	ug/l	97
38) Carbon Tetrachloride	7.987	117	46421	57.509	ug/l	97
39) Methylcyclohexane	9.275	83	52040	51.612	ug/l	97
40) Benzene	8.246	78	129492	52.891	ug/l	99

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	10451	46.114	ug/l #	91
42) 1,2-Dichloroethane	8.322	62	37416	52.786	ug/l	99
43) Isopropyl Acetate	8.357	43	37570	51.754	ug/l	98
44) Trichloroethene	9.028	130	34205	50.683	ug/l	98
45) 1,2-Dichloropropane	9.304	63	33939	54.584	ug/l	99
46) Dibromomethane	9.393	93	18097	52.521	ug/l	96
47) Bromodichloromethane	9.587	83	46471	54.190	ug/l	100
48) Methyl methacrylate	9.381	41	18947	54.958	ug/l	95
49) 1,4-Dioxane	9.387	88	3389	1030.835	ug/l	91
51) 4-Methyl-2-Pentanone	10.157	43	97699	266.210	ug/l	94
52) Toluene	10.334	92	83018	53.835	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	43005	57.895	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	50053	56.359	ug/l #	85
55) 1,1,2-Trichloroethane	10.734	97	23989	54.539	ug/l	96
56) Ethyl methacrylate	10.598	69	28346	55.433	ug/l	93
57) 1,3-Dichloropropane	10.881	76	40911	54.599	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	44231	292.660	ug/l	99
59) 2-Hexanone	10.922	43	70279	262.113	ug/l	95
60) Dibromochloromethane	11.075	129	30184	55.388	ug/l	100
61) 1,2-Dibromoethane	11.181	107	22552	53.173	ug/l	97
64) Tetrachloroethene	10.810	164	28336	49.708	ug/l	95
65) Chlorobenzene	11.610	112	86228	51.660	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.687	131	33525	55.167	ug/l	92
67) Ethyl Benzene	11.687	91	163463	53.046	ug/l	99
68) m/p-Xylenes	11.798	106	127226	108.537	ug/l	99
69) o-Xylene	12.122	106	59091	53.968	ug/l	96
70) Styrene	12.140	104	102974	55.519	ug/l	99
71) Bromoform	12.298	173	17784	54.482	ug/l #	97
73) Isopropylbenzene	12.422	105	159214	50.989	ug/l	99
74) N-amyl acetate	12.234	43	36369	51.832	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.681	83	27054	49.800	ug/l	98
76) 1,2,3-Trichloropropane	12.728	75	34791	79.467	ug/l #	100
77) Bromobenzene	12.704	156	35395	50.059	ug/l	93
78) n-propylbenzene	12.769	91	197789	50.906	ug/l	99
79) 2-Chlorotoluene	12.851	91	108412	50.870	ug/l	99
80) 1,3,5-Trimethylbenzene	12.910	105	134451	51.714	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.475	75	7290	53.880	ug/l	92
82) 4-Chlorotoluene	12.951	91	113399	51.008	ug/l	99
83) tert-Butylbenzene	13.169	119	118261	52.762	ug/l	100
84) 1,2,4-Trimethylbenzene	13.216	105	134770	51.899	ug/l	98
85) sec-Butylbenzene	13.351	105	177282	51.558	ug/l	98
86) p-Isopropyltoluene	13.463	119	149722	53.229	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	73022	51.095	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	73394	51.324	ug/l	98
89) n-Butylbenzene	13.792	91	143614	52.298	ug/l	98
90) Hexachloroethane	14.057	117	28086	50.648	ug/l	94
91) 1,2-Dichlorobenzene	13.834	146	63727	51.392	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.451	75	4210	49.964	ug/l	98
93) 1,2,4-Trichlorobenzene	15.104	180	39501	50.863	ug/l	99
94) Hexachlorobutadiene	15.210	225	20961	51.157	ug/l	97
95) Naphthalene	15.339	128	73555	50.886	ug/l	100
96) 1,2,3-Trichlorobenzene	15.528	180	35051	52.309	ug/l	99

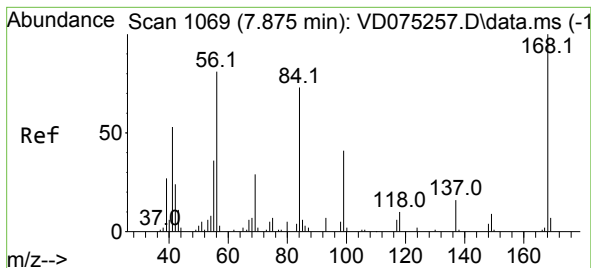
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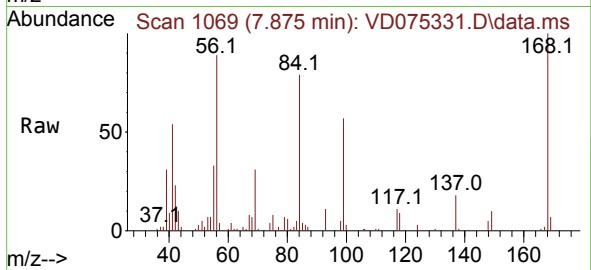
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

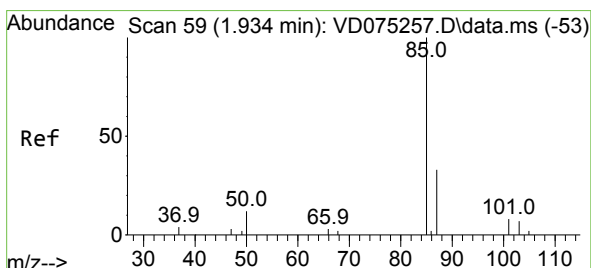
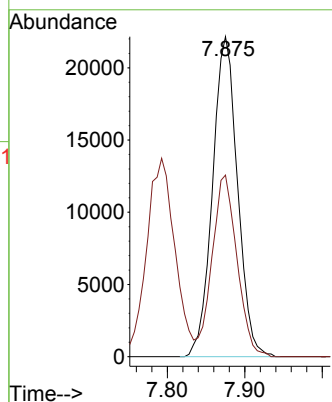
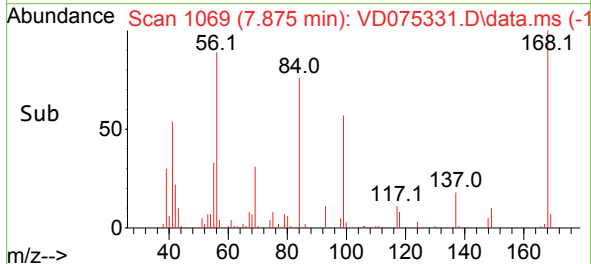


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075331.D
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ClientSampleId :
VSTDCCC050EC

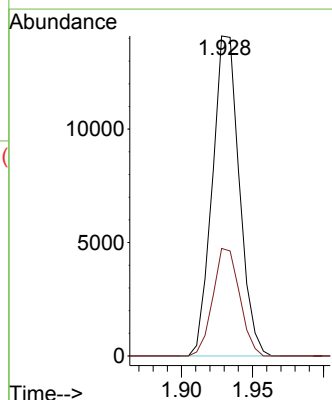
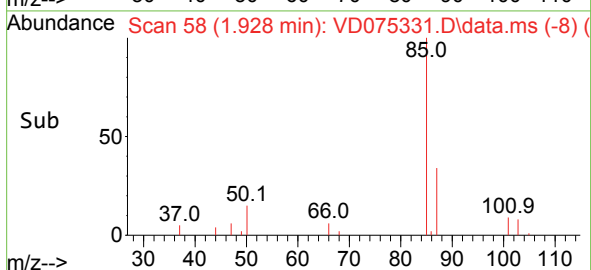
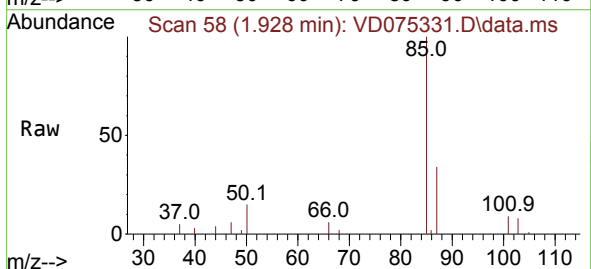


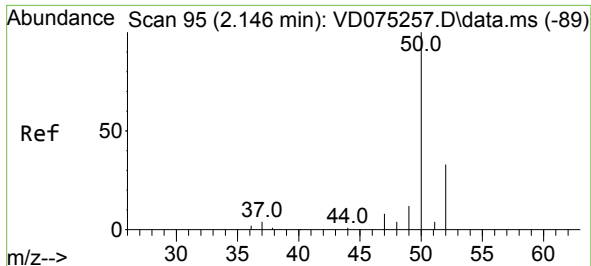
Tgt Ion:168 Resp: 49578
Ion Ratio Lower Upper
168 100
99 56.7 45.2 67.8



#2
Dichlorodifluoromethane
Concen: 46.462 ug/l
RT: 1.928 min Scan# 58
Delta R.T. -0.006 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

Tgt Ion: 85 Resp: 18636
Ion Ratio Lower Upper
85 100
87 33.6 15.7 47.0

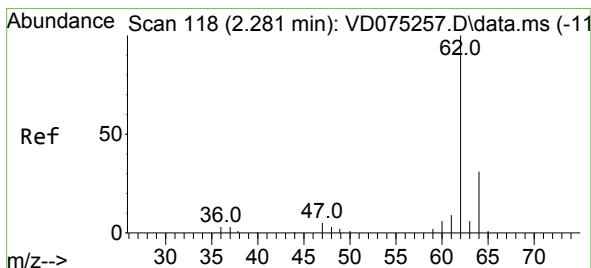
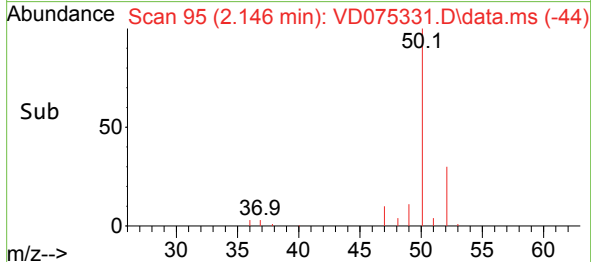
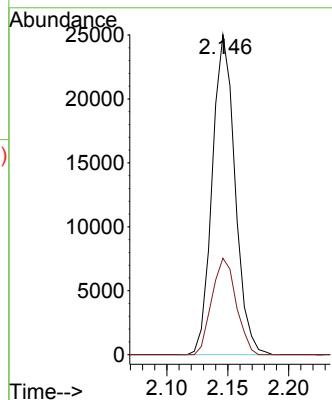
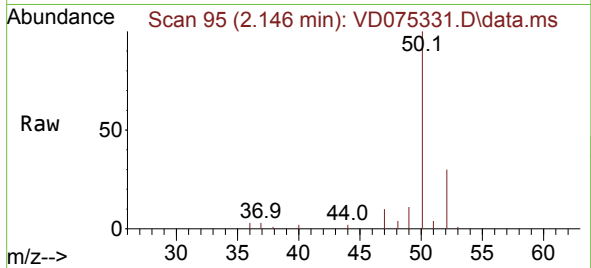




#3
Chloromethane
Concen: 47.134 ug/l
RT: 2.146 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

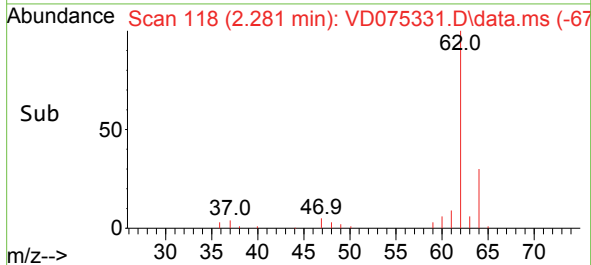
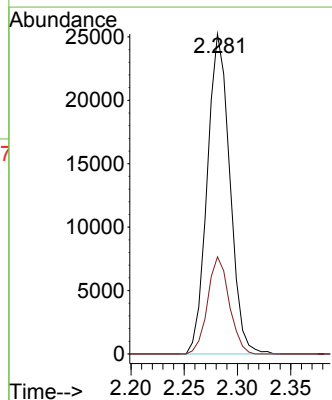
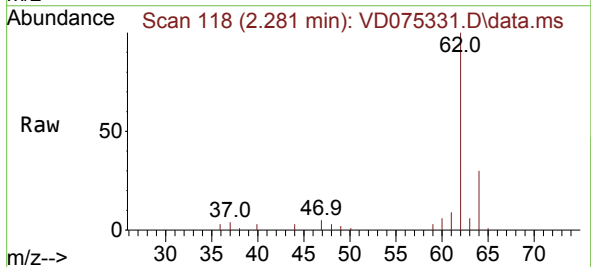
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ClientSampleId :
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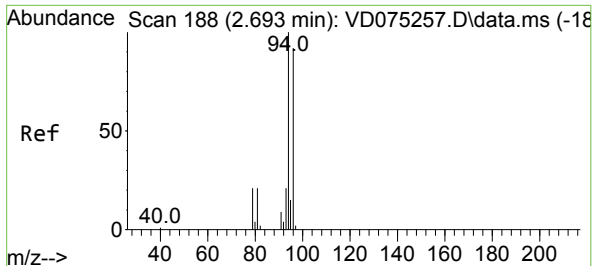
Tgt Ion: 50 Resp: 32583
Ion Ratio Lower Upper
50 100
52 30.1 27.0 40.6



#4
Vinyl Chloride
Concen: 45.088 ug/l
RT: 2.281 min Scan# 118
Delta R.T. 0.000 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

Tgt Ion: 62 Resp: 37189
Ion Ratio Lower Upper
62 100
64 30.4 24.8 37.2

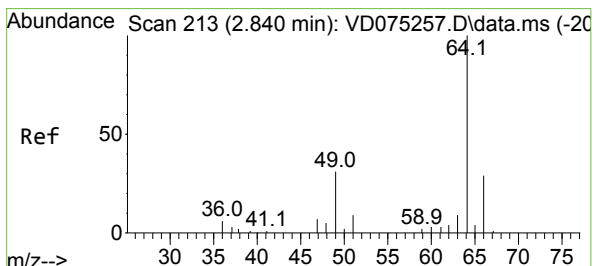
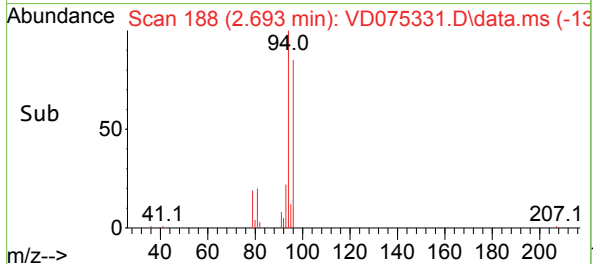
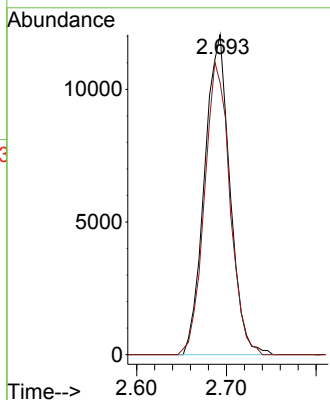
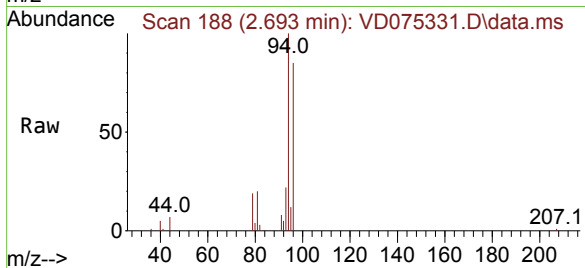




#5
Bromomethane
Concen: 44.904 ug/l
RT: 2.693 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

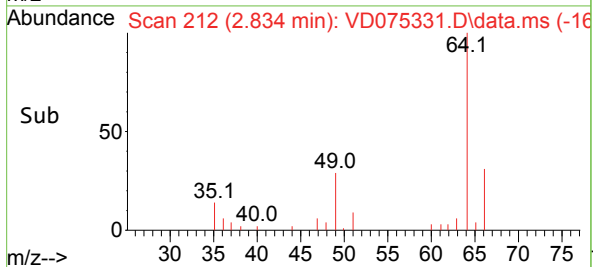
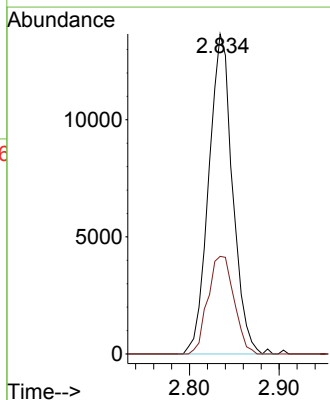
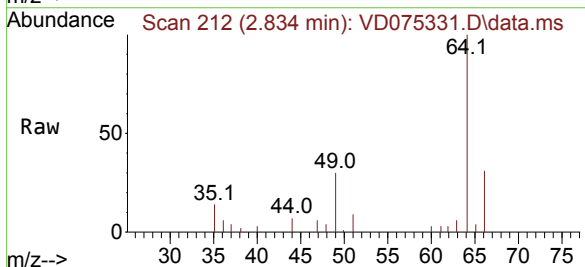
Instrument :
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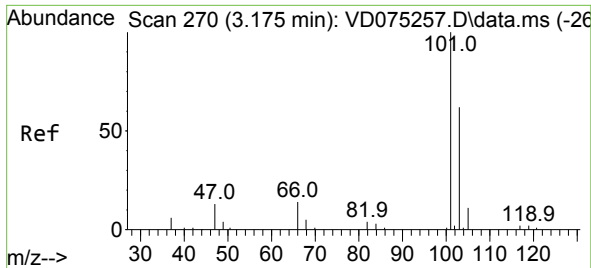
Tgt Ion: 94 Resp: 23697
Ion Ratio Lower Upper
94 100
96 91.7 74.8 112.2



#6
Chloroethane
Concen: 44.286 ug/l
RT: 2.834 min Scan# 212
Delta R.T. -0.006 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

Tgt Ion: 64 Resp: 25199
Ion Ratio Lower Upper
64 100
66 30.5 25.4 38.2

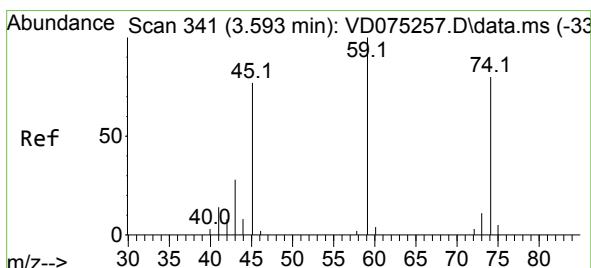
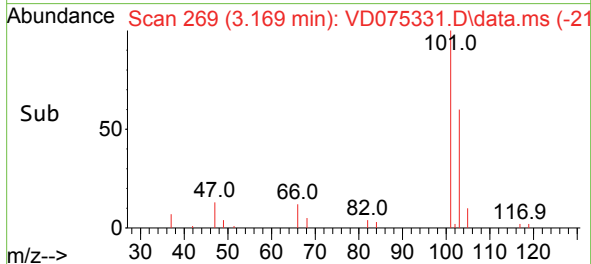
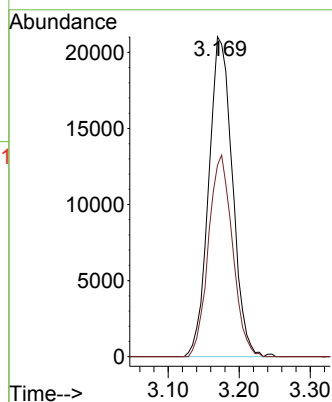
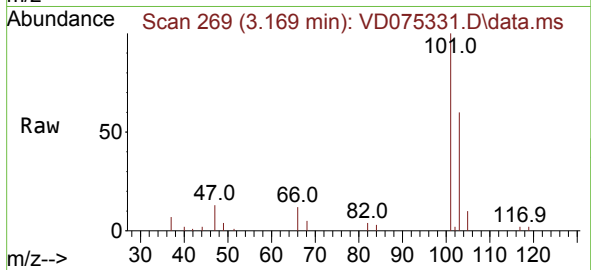




#7
Trichlorofluoromethane
Concen: 47.603 ug/l
RT: 3.169 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD075331.D
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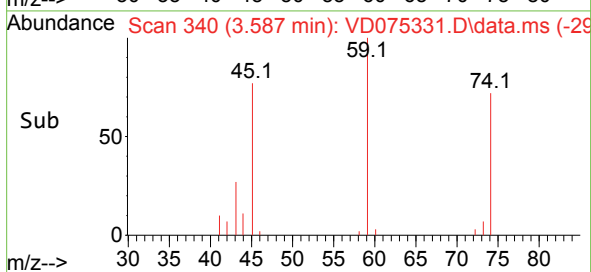
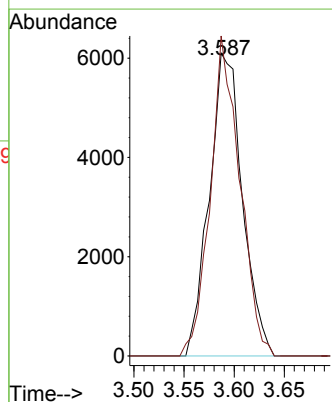
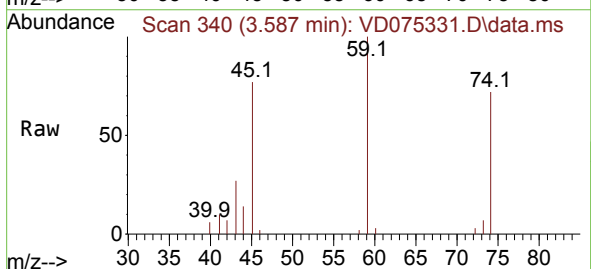
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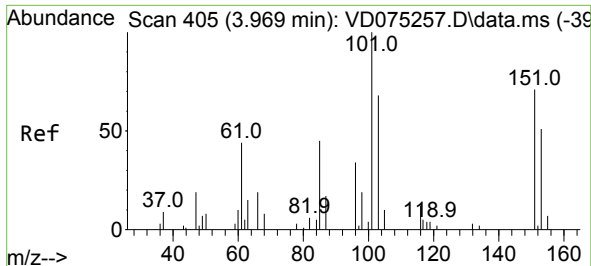
Tgt Ion:101 Resp: 48819
Ion Ratio Lower Upper
101 100
103 59.8 52.2 78.4



#8
Diethyl Ether
Concen: 50.847 ug/l
RT: 3.587 min Scan# 340
Delta R.T. -0.006 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

Tgt Ion: 74 Resp: 14018
Ion Ratio Lower Upper
74 100
45 94.3 49.8 149.3

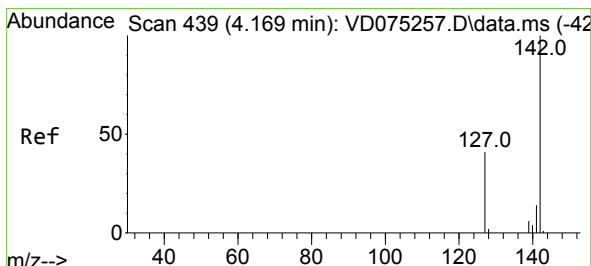
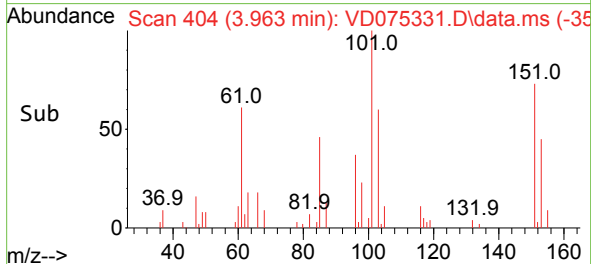
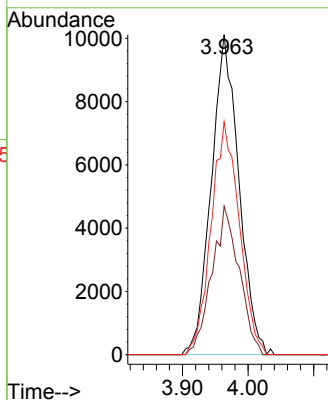
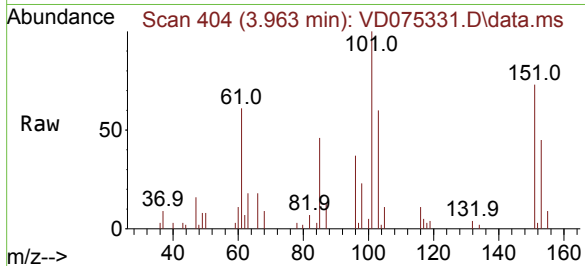




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.757 ug/l
RT: 3.963 min Scan# 405
Delta R.T. -0.006 min
Lab File: VD075331.D
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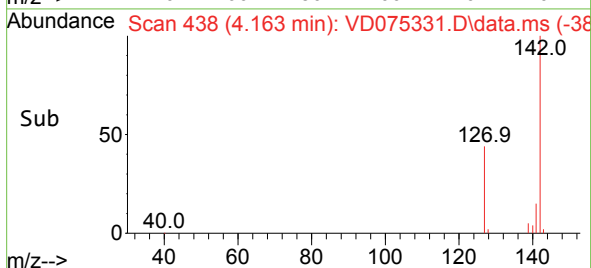
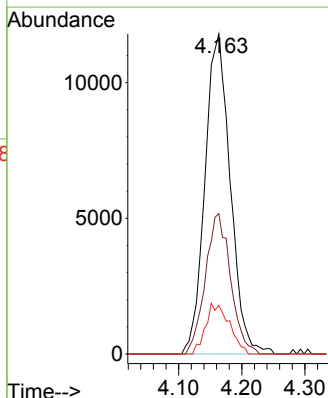
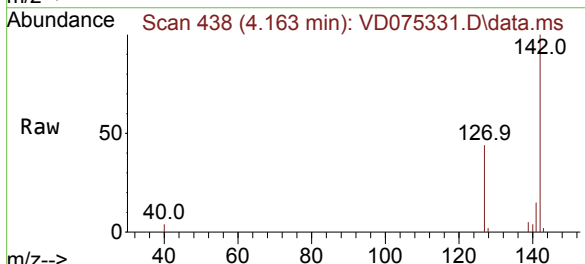
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VSTDCCC050EC

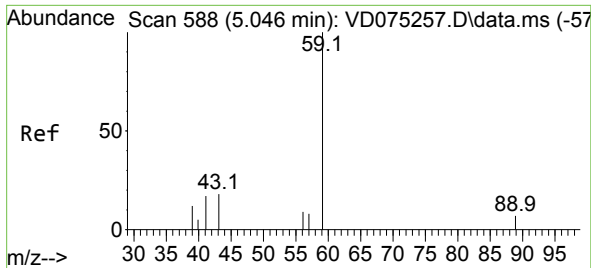
Tgt Ion:101 Resp: 29539
Ion Ratio Lower Upper
101 100
85 46.0 36.9 55.3
151 74.5 58.9 88.3



#10
Methyl Iodide
Concen: 46.775 ug/l
RT: 4.163 min Scan# 438
Delta R.T. -0.006 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

Tgt Ion:142 Resp: 32879
Ion Ratio Lower Upper
142 100
127 43.6 33.6 50.4
141 14.7 11.1 16.7

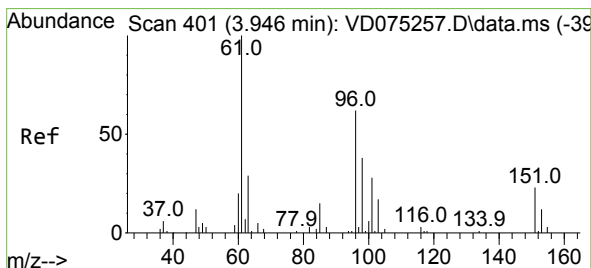
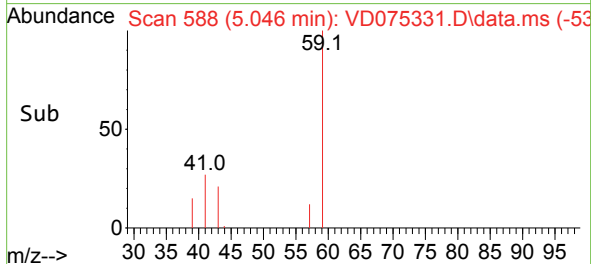
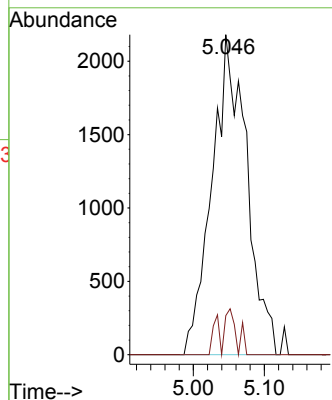
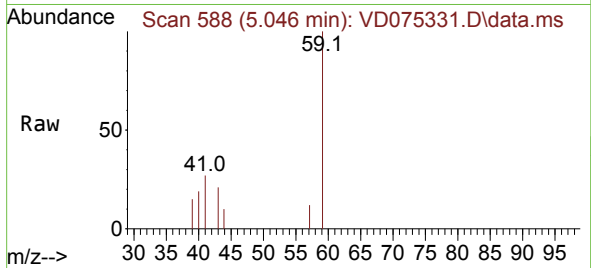




#11
Tert butyl alcohol
Concen: 213.100 ug/l
RT: 5.046 min Scan# 51
Delta R.T. -0.000 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

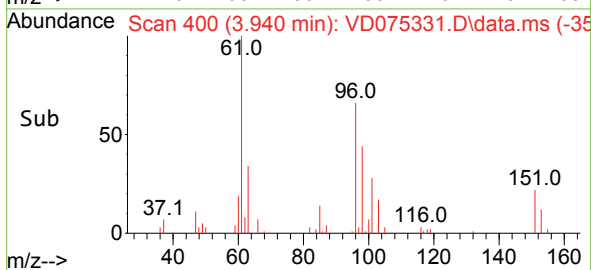
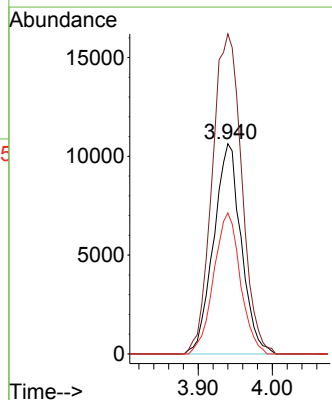
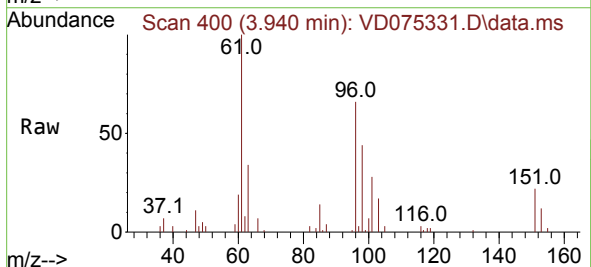
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

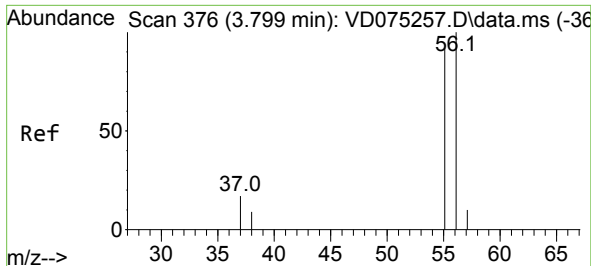
Tgt Ion: 59 Resp: 7391
Ion Ratio Lower Upper
59 100
57 4.8 2.9 4.3#



#12
1,1-Dichloroethene
Concen: 49.609 ug/l
RT: 3.940 min Scan# 400
Delta R.T. -0.006 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

Tgt Ion: 96 Resp: 27528
Ion Ratio Lower Upper
96 100
61 152.3 126.8 190.2
98 67.1 50.4 75.6

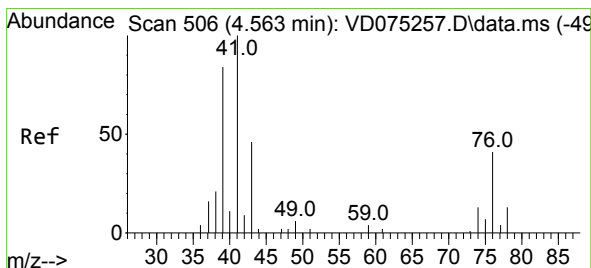
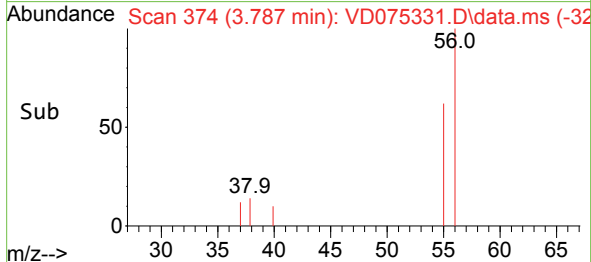
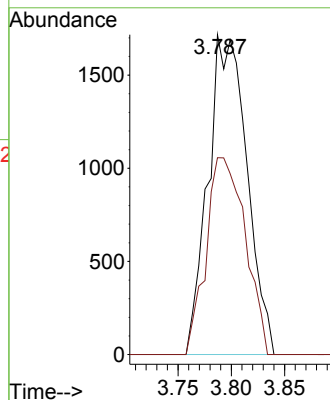
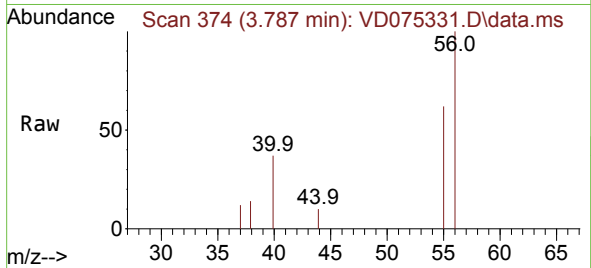




#13
Acrolein
Concen: 242.058 ug/l
RT: 3.787 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

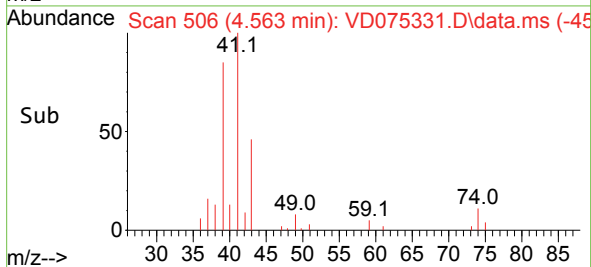
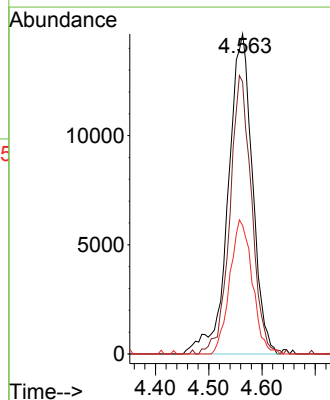
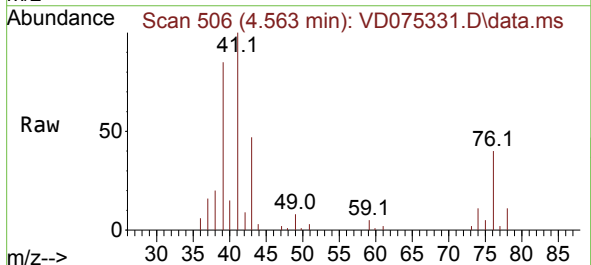
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

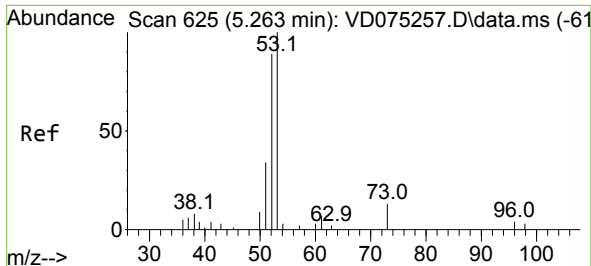
Tgt Ion: 56 Resp: 4346
Ion Ratio Lower Upper
56 100
55 62.1 53.0 79.6



#14
Allyl chloride
Concen: 50.223 ug/l
RT: 4.563 min Scan# 506
Delta R.T. 0.000 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

Tgt Ion: 41 Resp: 46367
Ion Ratio Lower Upper
41 100
39 77.9 55.4 83.0
76 38.9 30.2 45.2

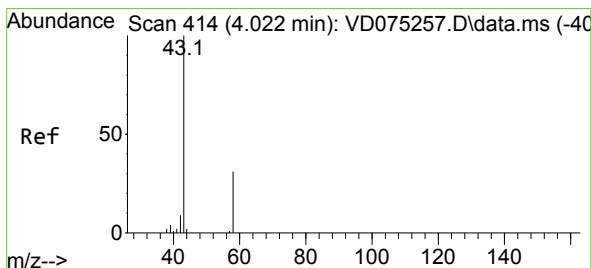
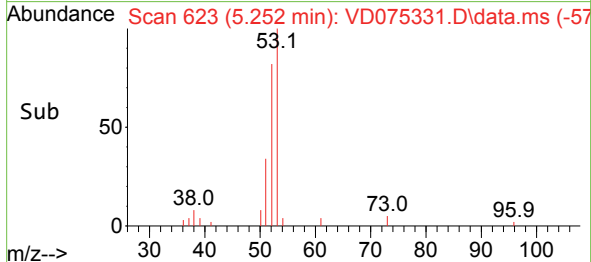
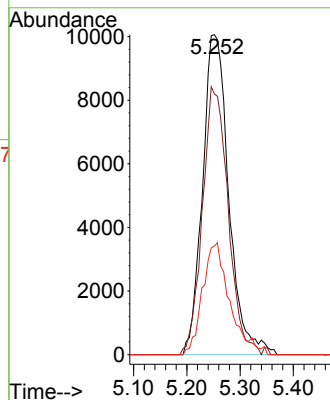
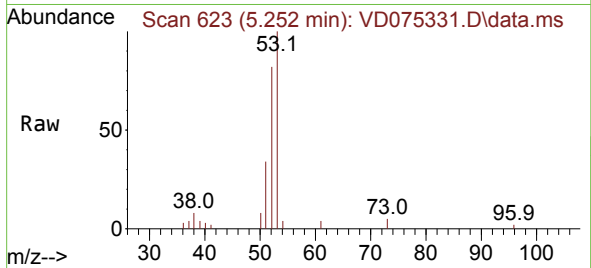




#15
Acrylonitrile
Concen: 270.476 ug/l
RT: 5.252 min Scan# 61
Delta R.T. -0.011 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

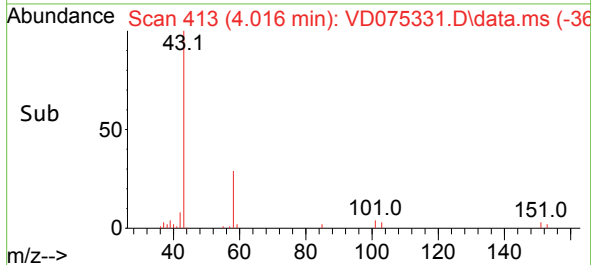
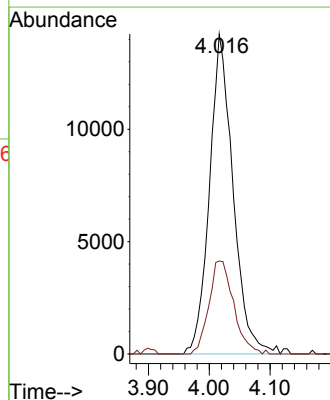
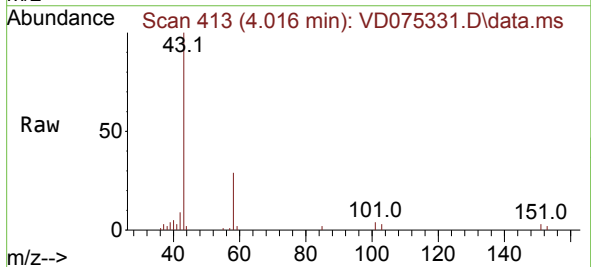
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

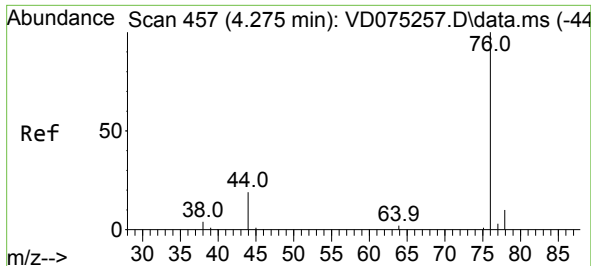
Tgt Ion: 53 Resp: 34461
Ion Ratio Lower Upper
53 100
52 81.8 67.0 100.6
51 36.2 30.1 45.1



#16
Acetone
Concen: 248.967 ug/l
RT: 4.016 min Scan# 413
Delta R.T. -0.006 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

Tgt Ion: 43 Resp: 38271
Ion Ratio Lower Upper
43 100
58 29.1 26.0 39.0

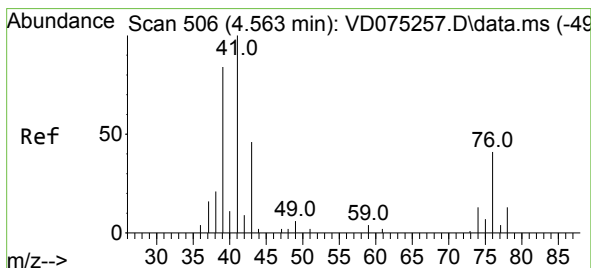
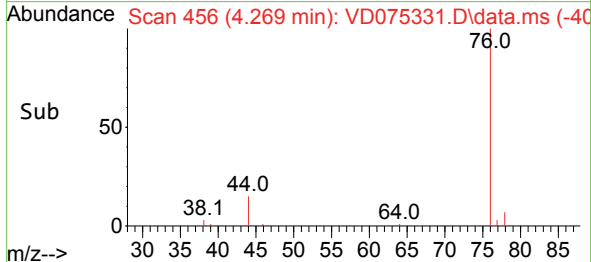
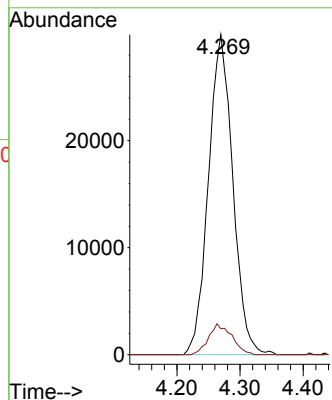
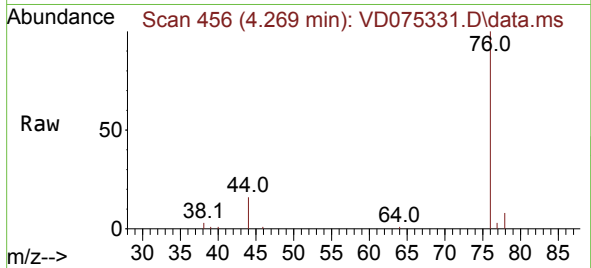




#17
Carbon Disulfide
Concen: 46.858 ug/l
RT: 4.269 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

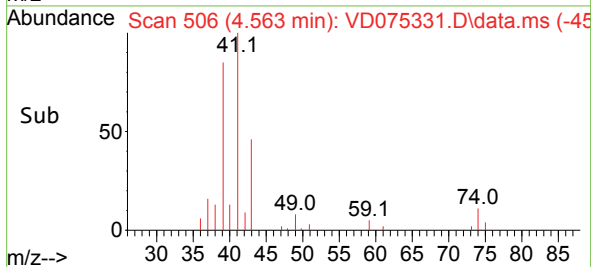
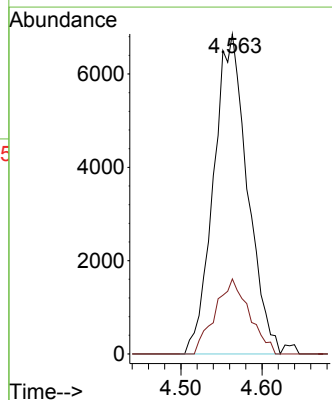
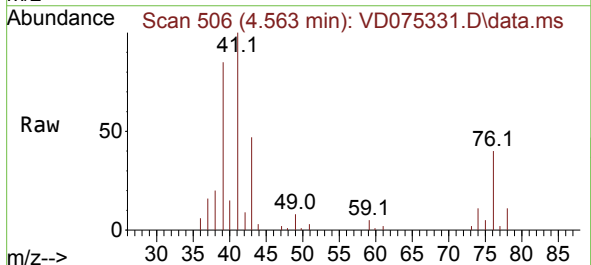
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

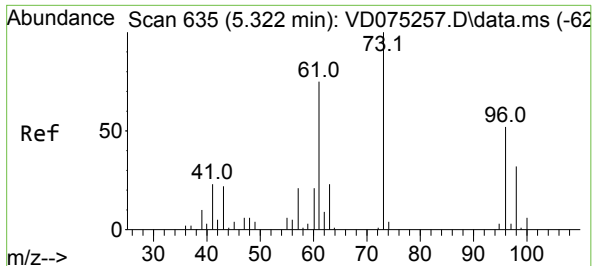
Tgt Ion: 76 Resp: 80217
Ion Ratio Lower Upper
76 100
78 8.1 7.4 11.0



#18
Methyl Acetate
Concen: 48.567 ug/l
RT: 4.563 min Scan# 506
Delta R.T. 0.000 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

Tgt Ion: 43 Resp: 19881
Ion Ratio Lower Upper
43 100
74 23.6 18.5 27.7

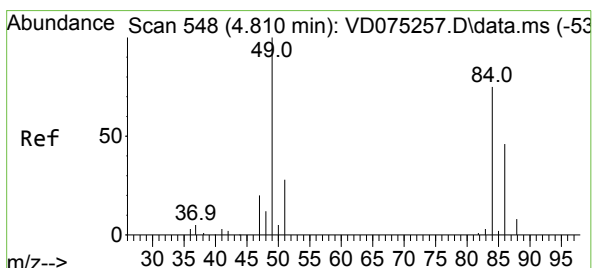
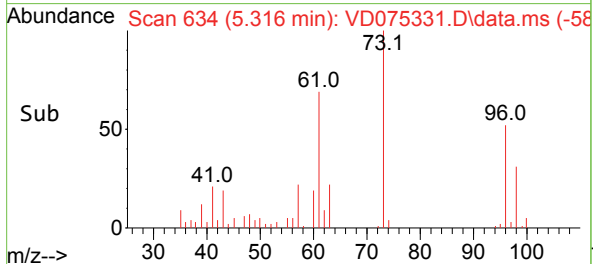
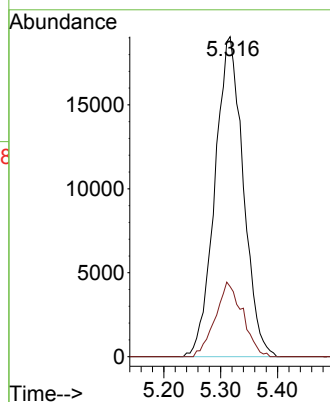
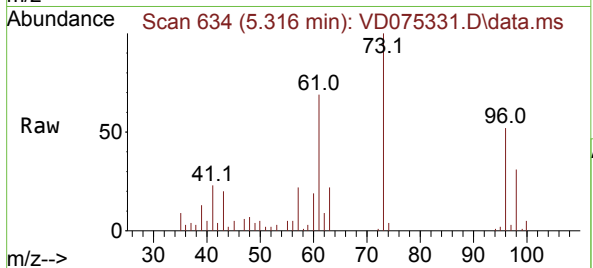




#19
Methyl tert-butyl Ether
Concen: 51.878 ug/l
RT: 5.316 min Scan# 61
Delta R.T. -0.006 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

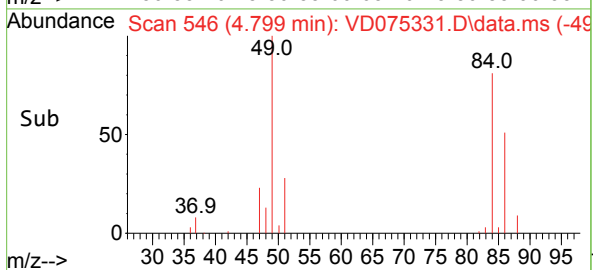
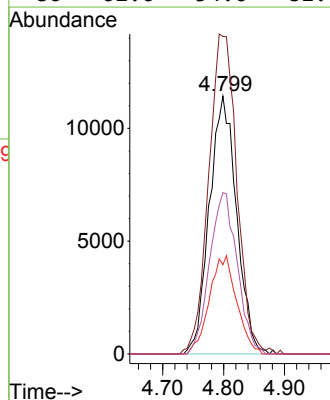
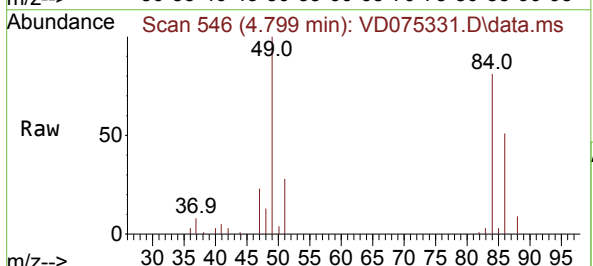
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

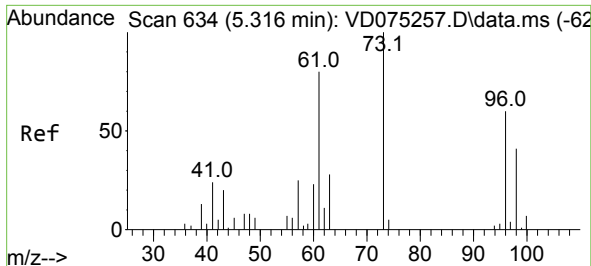
Tgt Ion: 73 Resp: 66092
Ion Ratio Lower Upper
73 100
57 21.9 18.5 27.7



#20
Methylene Chloride
Concen: 55.430 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.011 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

Tgt Ion: 84 Resp: 35474
Ion Ratio Lower Upper
84 100
49 123.2 97.0 145.6
51 34.7 30.9 46.3
86 62.6 54.0 81.0

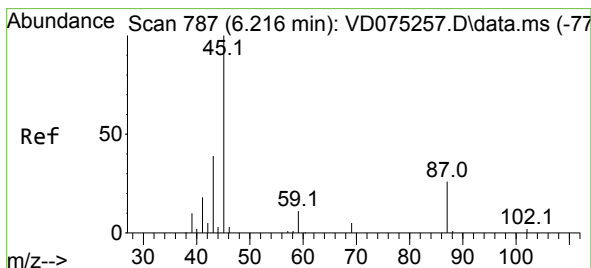
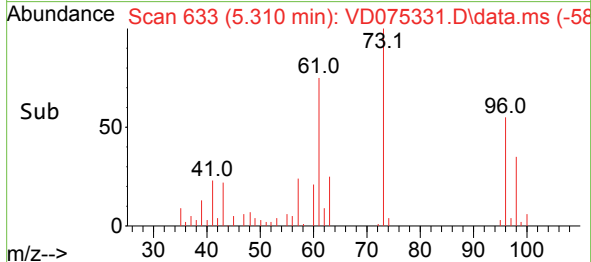
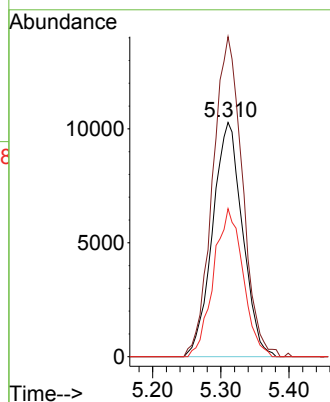
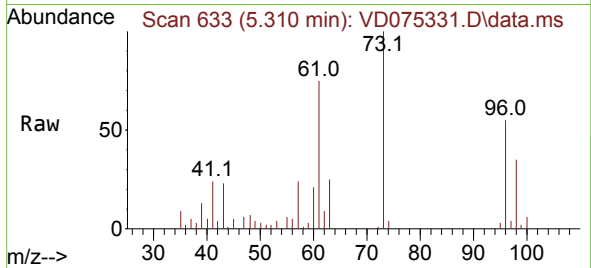




#21
trans-1,2-Dichloroethene
Concen: 49.987 ug/l
RT: 5.310 min Scan# 613
Delta R.T. -0.006 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

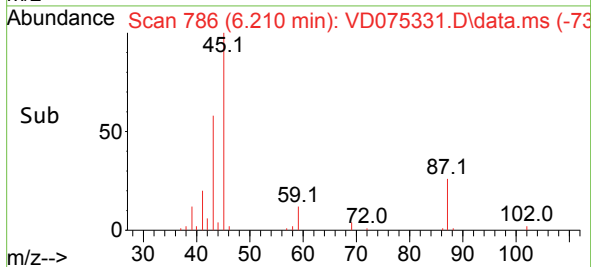
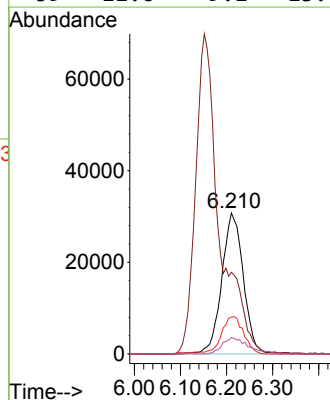
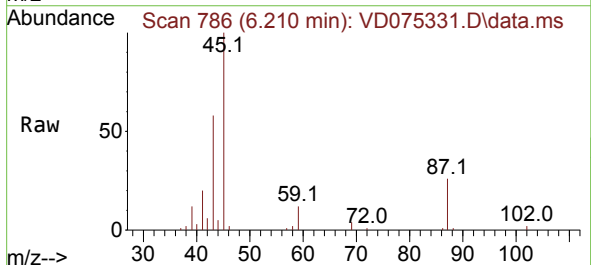
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

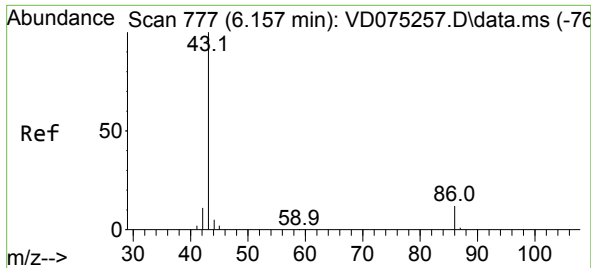
Tgt Ion: 96 Resp: 31388
Ion Ratio Lower Upper
96 100
61 136.6 105.7 158.5
98 63.2 50.4 75.6



#22
Diisopropyl ether
Concen: 54.434 ug/l
RT: 6.210 min Scan# 786
Delta R.T. -0.006 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

Tgt Ion: 45 Resp: 99961
Ion Ratio Lower Upper
45 100
43 57.1 45.3 67.9
87 26.2 22.1 33.1
59 11.6 9.1 13.7

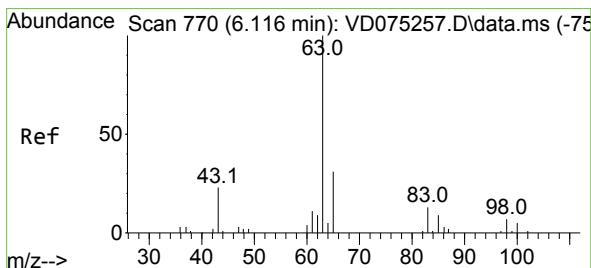
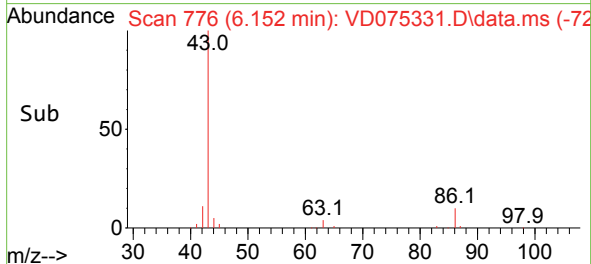
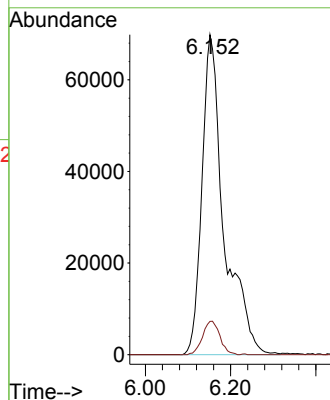
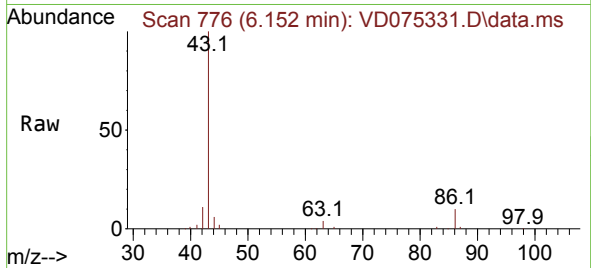




#23
 Vinyl Acetate
 Concen: 391.877 ug/l
 RT: 6.152 min Scan# 777
 Delta R.T. -0.005 min
 Lab File: VD075331.D
 Acq: 13 Feb 2023 17:15

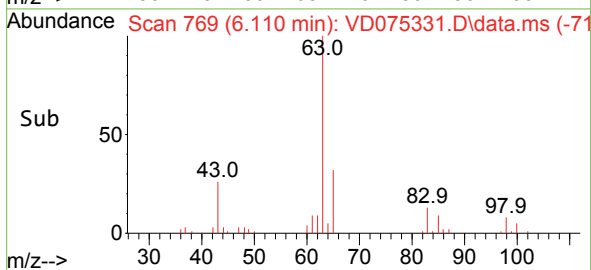
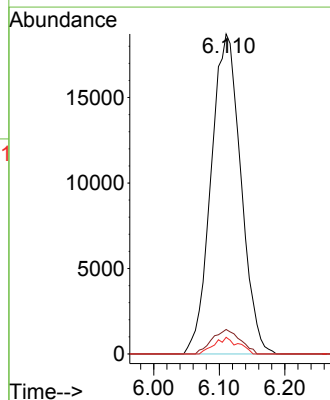
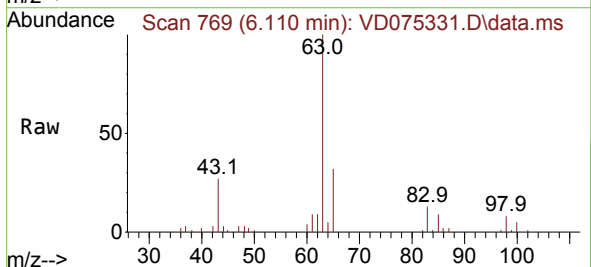
Instrument :
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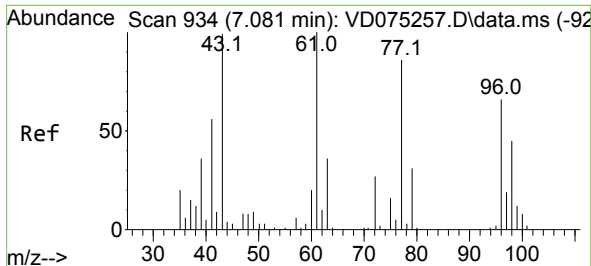
Tgt Ion: 43 Resp: 251384
 Ion Ratio Lower Upper
 43 100
 86 10.4 9.3 13.9



#24
 1,1-Dichloroethane
 Concen: 51.613 ug/l
 RT: 6.110 min Scan# 769
 Delta R.T. -0.006 min
 Lab File: VD075331.D
 Acq: 13 Feb 2023 17:15

Tgt Ion: 63 Resp: 59092
 Ion Ratio Lower Upper
 63 100
 98 7.6 4.0 12.2
 100 5.2 2.5 7.4

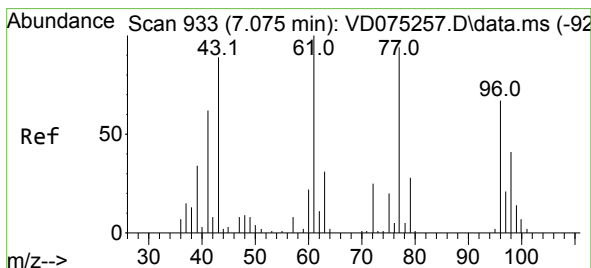
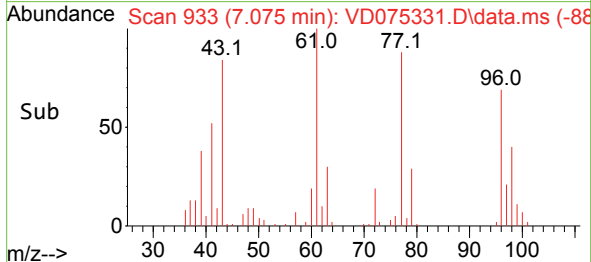
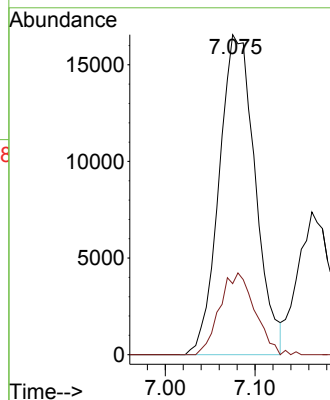
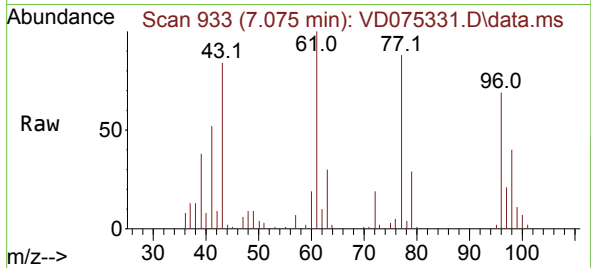




#25
2-Butanone
Concen: 243.004 ug/l
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

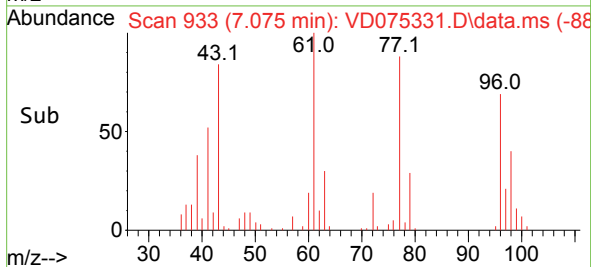
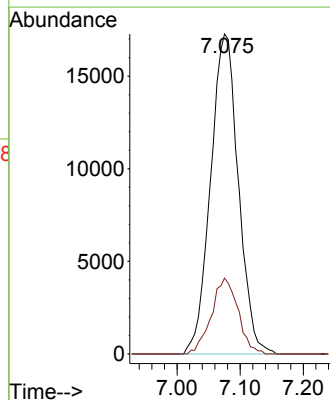
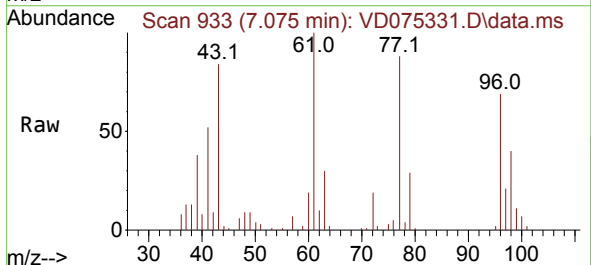
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

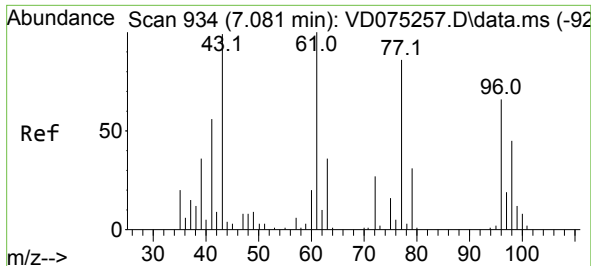
Tgt Ion: 43 Resp: 46285
Ion Ratio Lower Upper
43 100
72 22.2 19.8 29.8



#26
2,2-Dichloropropane
Concen: 52.077 ug/l
RT: 7.075 min Scan# 933
Delta R.T. 0.000 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

Tgt Ion: 77 Resp: 52775
Ion Ratio Lower Upper
77 100
97 22.7 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 52.782 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

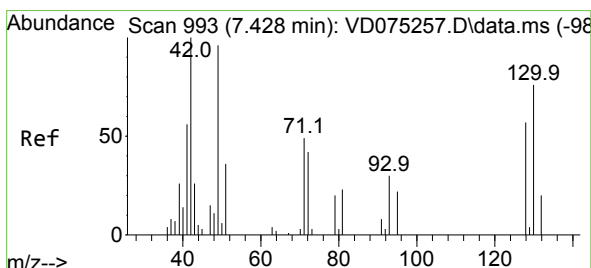
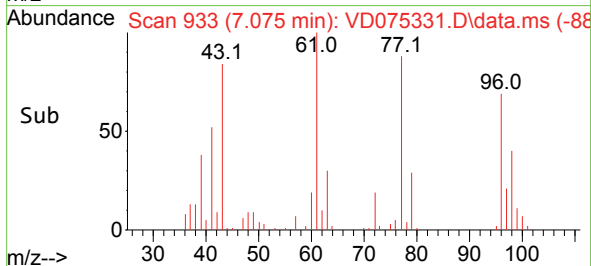
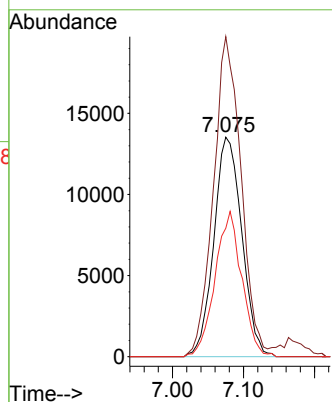
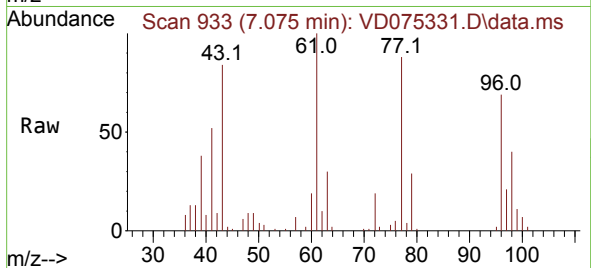
Tgt Ion: 96 Resp: 37080

Ion Ratio Lower Upper

96 100

61 143.5 0.0 287.4

98 63.1 0.0 129.8



#28

Bromochloromethane

Concen: 52.399 ug/l

RT: 7.422 min Scan# 992

Delta R.T. -0.006 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

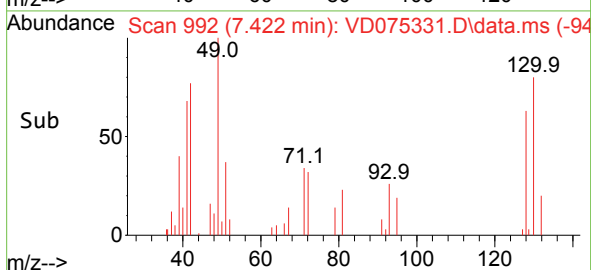
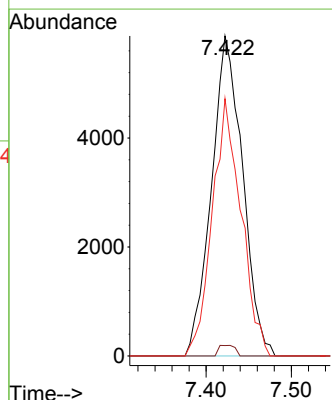
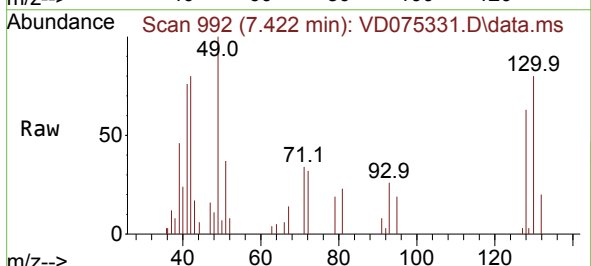
Tgt Ion: 49 Resp: 14915

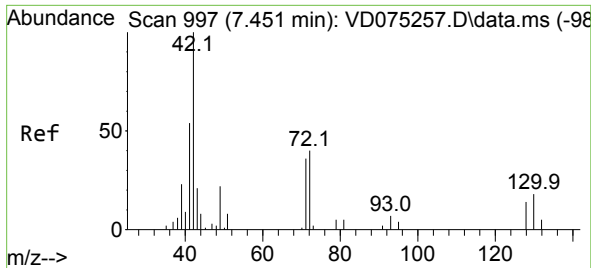
Ion Ratio Lower Upper

49 100

129 1.7 0.0 2.6

130 74.2 63.6 95.4

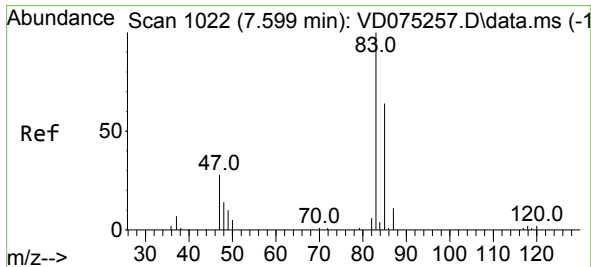
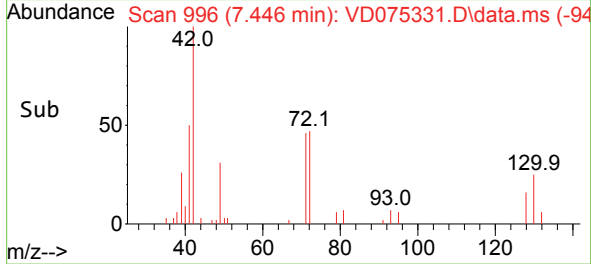
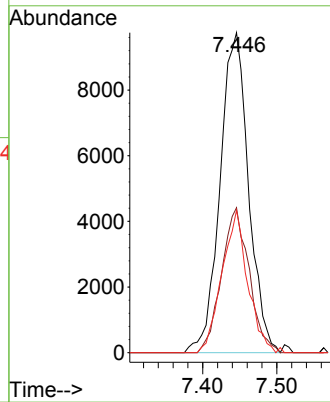
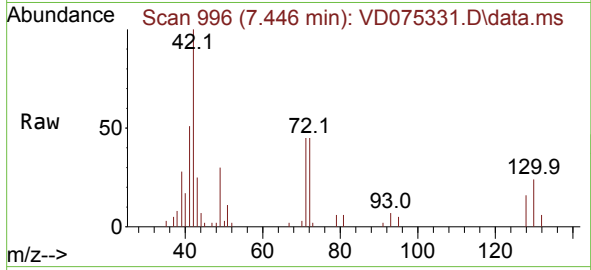




#29
Tetrahydrofuran
Concen: 254.228 ug/l
RT: 7.446 min Scan# 996
Delta R.T. -0.005 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

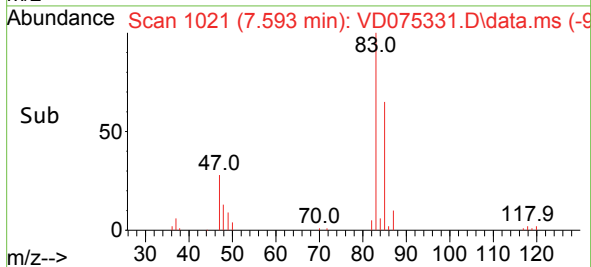
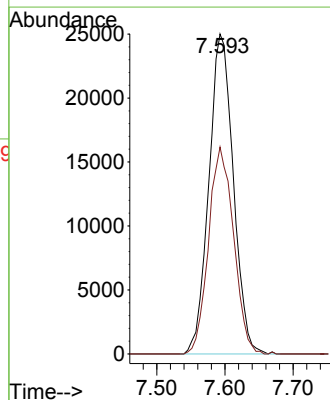
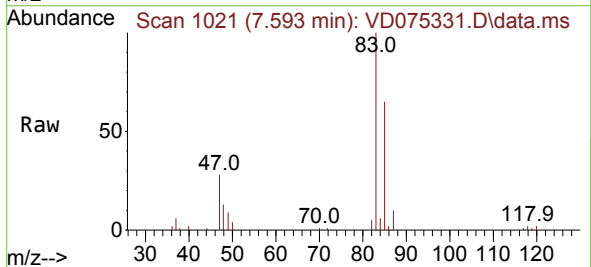
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

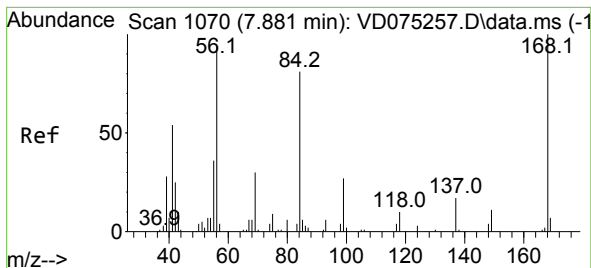
Tgt Ion:	42	Resp:	26075
Ion	Ratio	Lower	Upper
42	100		
72	43.9	33.8	50.8
71	40.2	31.6	47.4



#30
Chloroform
Concen: 52.922 ug/l
RT: 7.593 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

Tgt Ion:	83	Resp:	62364
Ion	Ratio	Lower	Upper
83	100		
85	64.6	48.5	72.7





#31

Cyclohexane

Concen: 47.919 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

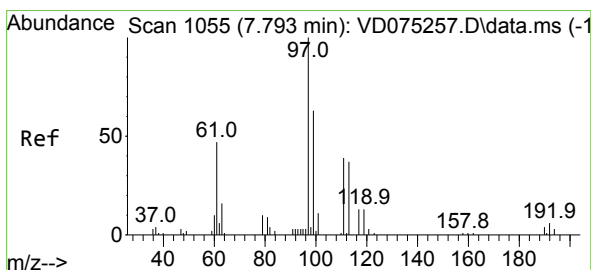
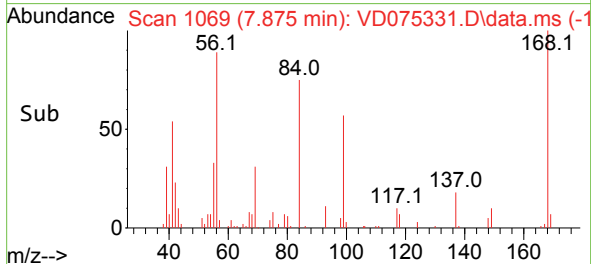
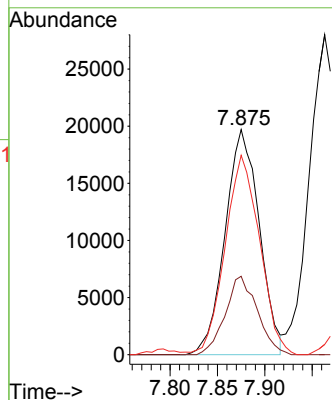
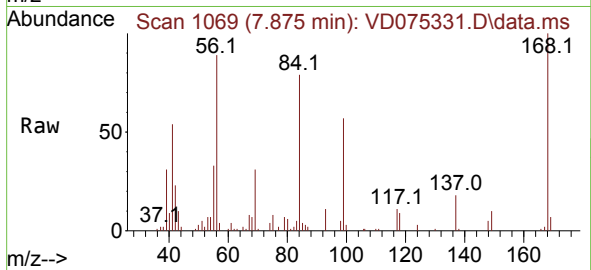
Tgt Ion: 56 Resp: 49466

Ion Ratio Lower Upper

56 100

69 34.8 26.6 40.0

84 87.5 74.1 111.1



#32

1,1,1-Trichloroethane

Concen: 51.519 ug/l

RT: 7.793 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

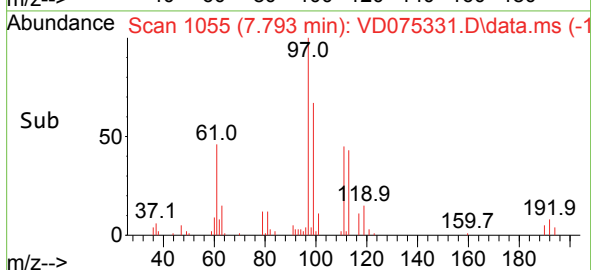
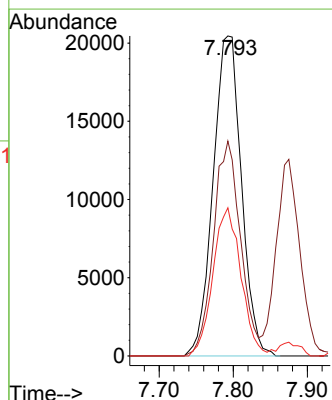
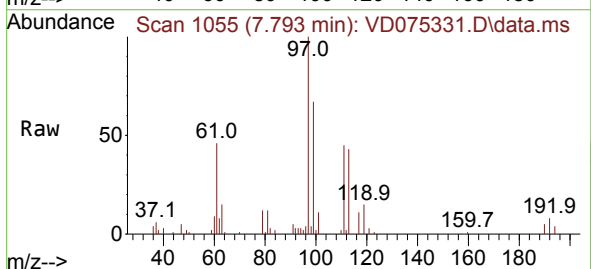
Tgt Ion: 97 Resp: 54305

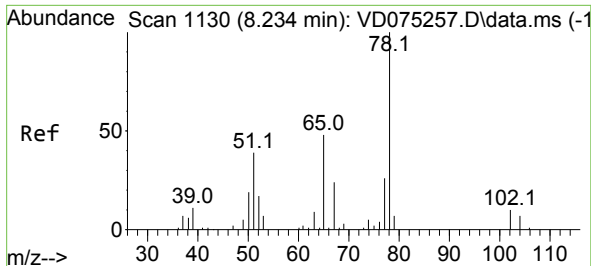
Ion Ratio Lower Upper

97 100

99 64.1 51.7 77.5

61 45.8 36.3 54.5





#33

1,2-Dichloroethane-d4

Concen: 50.473 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

Instrument :

MSVOA_D

ClientSampleId :

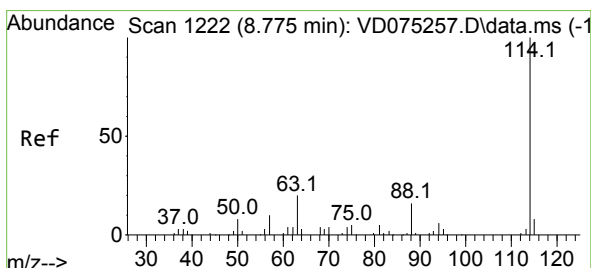
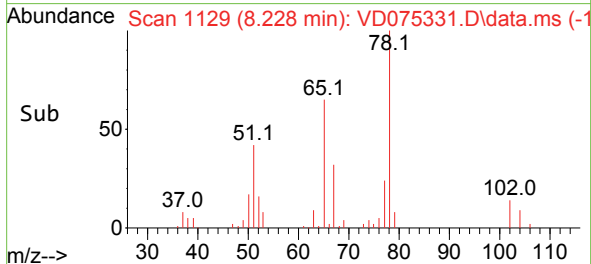
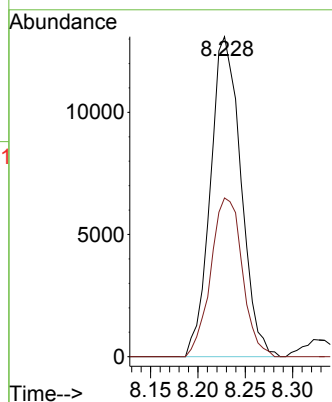
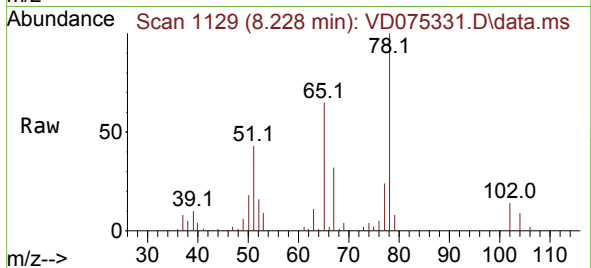
VSTDCCC050EC

Tgt Ion: 65 Resp: 29342

Ion Ratio Lower Upper

65 100

67 51.3 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

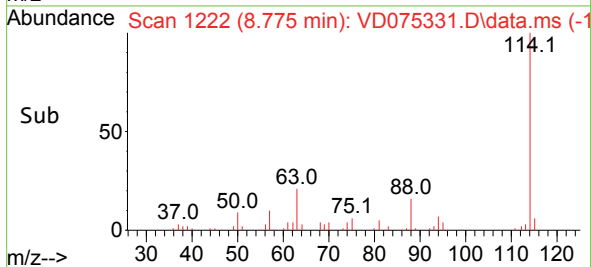
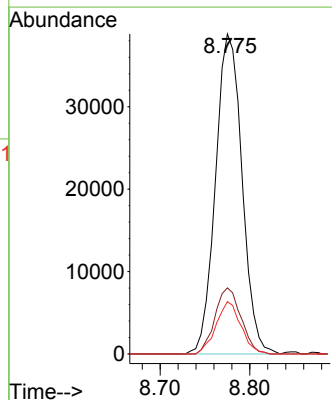
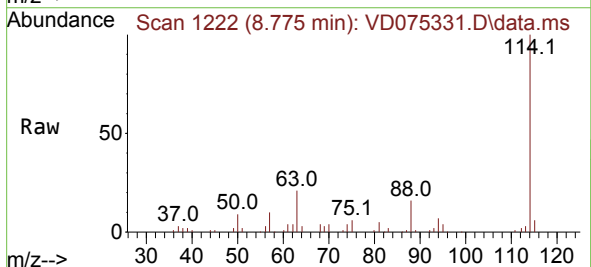
Tgt Ion: 114 Resp: 79750

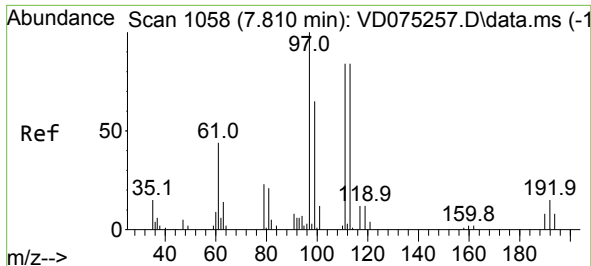
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.2

88 16.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.377 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

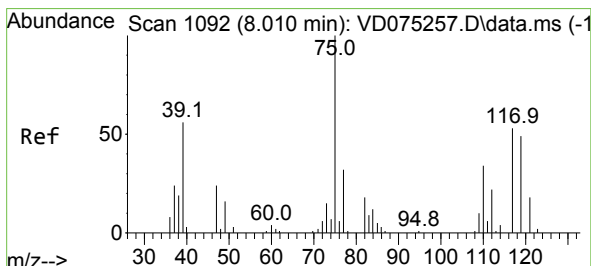
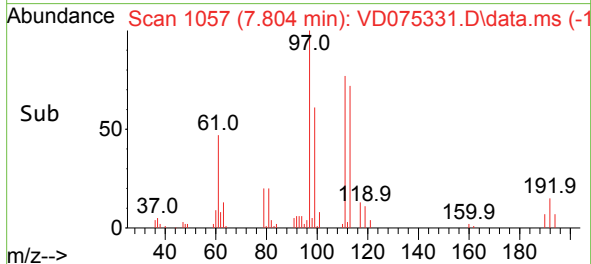
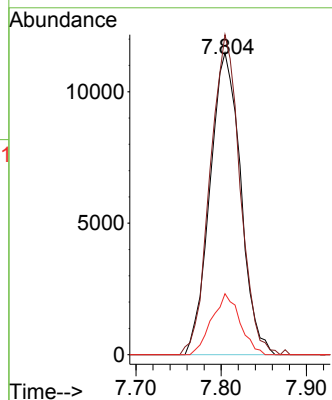
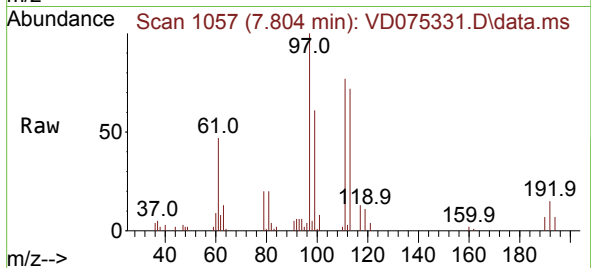
Tgt Ion:113 Resp: 28730

Ion Ratio Lower Upper

113 100

111 103.1 80.1 120.1

192 18.5 15.4 23.0



#36

1,1-Dichloropropene

Concen: 52.334 ug/l

RT: 8.010 min Scan# 1092

Delta R.T. 0.000 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

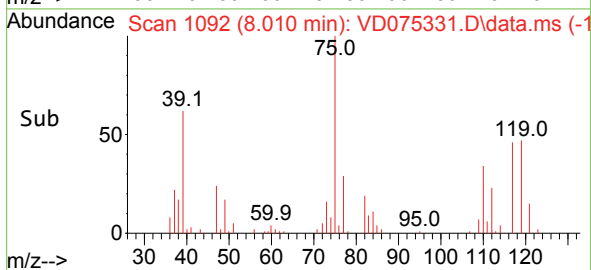
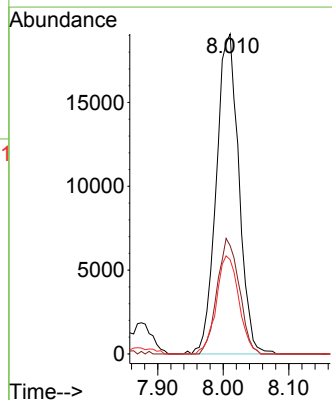
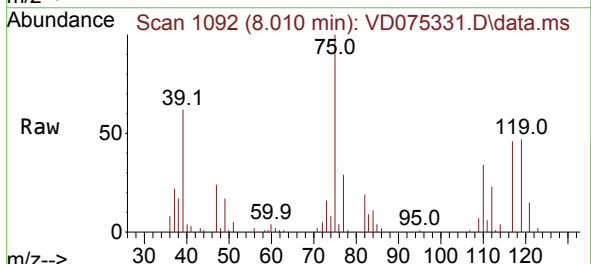
Tgt Ion: 75 Resp: 45588

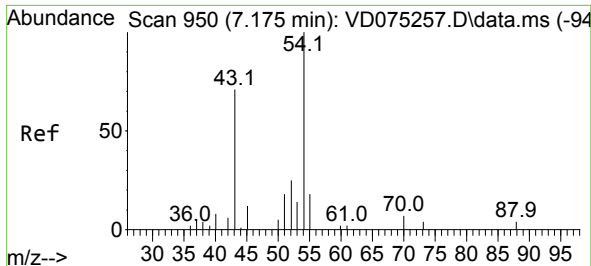
Ion Ratio Lower Upper

75 100

110 35.4 18.1 54.4

77 30.6 25.1 37.7





#37

Ethyl Acetate

Concen: 49.364 ug/l

RT: 7.163 min Scan# 94

Delta R.T. -0.012 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

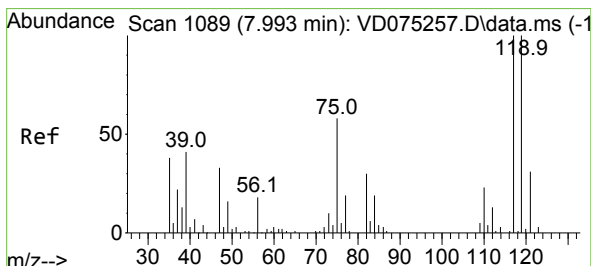
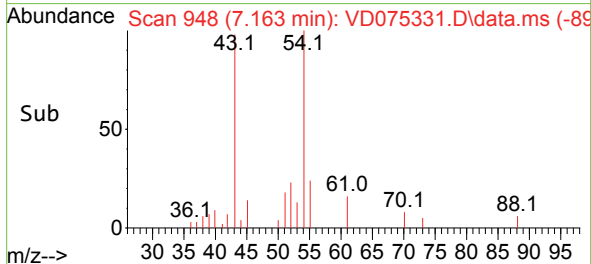
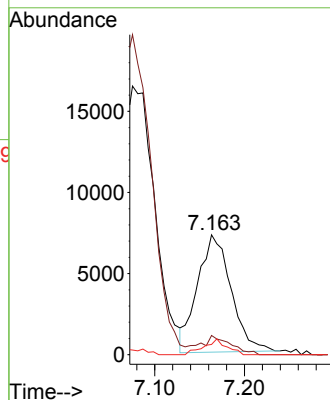
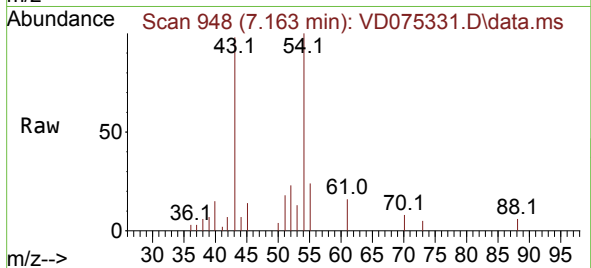
Tgt Ion: 43 Resp: 18754

Ion Ratio Lower Upper

43 100

61 13.8 11.7 17.5

70 9.0 8.8 13.2



#38

Carbon Tetrachloride

Concen: 57.509 ug/l

RT: 7.987 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

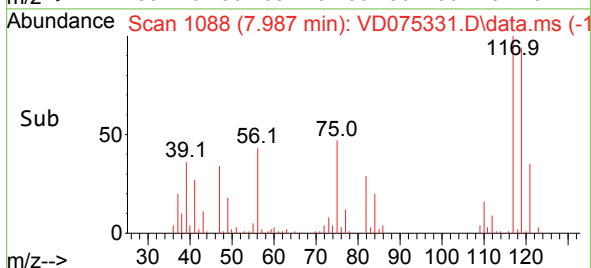
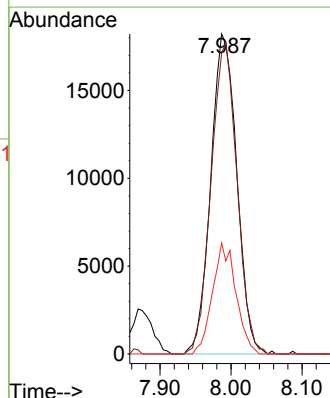
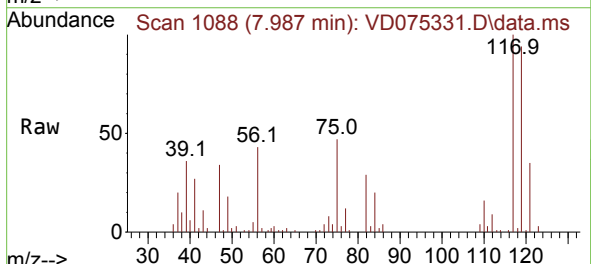
Tgt Ion: 117 Resp: 46421

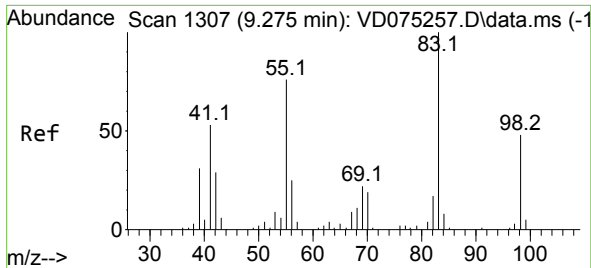
Ion Ratio Lower Upper

117 100

119 94.1 73.6 110.4

121 34.7 25.4 38.0





#39

Methylcyclohexane

Concen: 51.612 ug/l

RT: 9.275 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

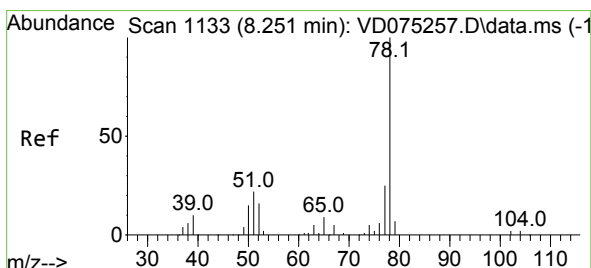
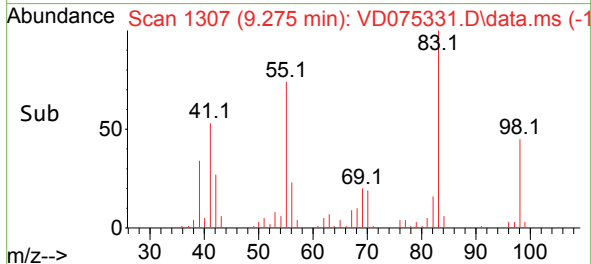
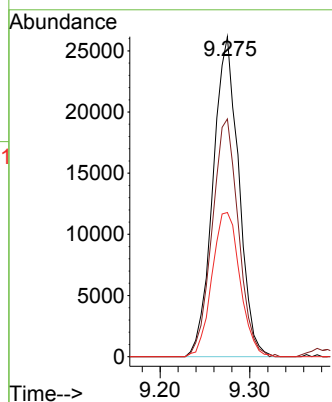
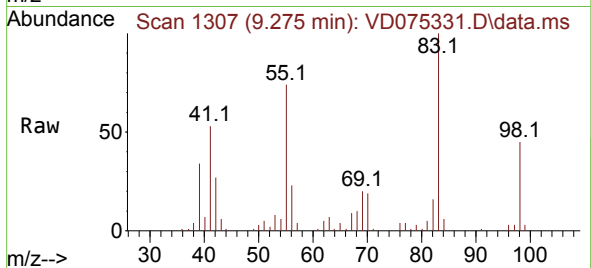
Tgt Ion: 83 Resp: 52040

Ion Ratio Lower Upper

83 100

55 74.3 60.0 90.0

98 45.1 39.0 58.4



#40

Benzene

Concen: 52.891 ug/l

RT: 8.246 min Scan# 1132

Delta R.T. -0.005 min

Lab File: VD075331.D

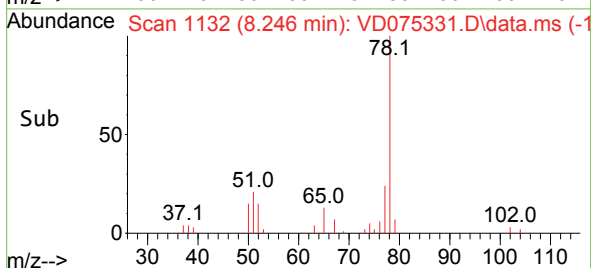
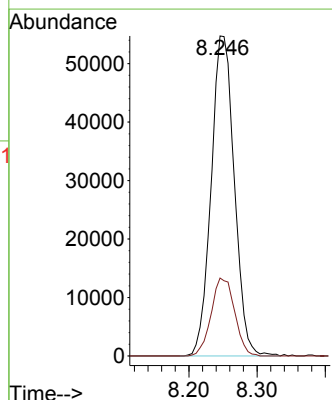
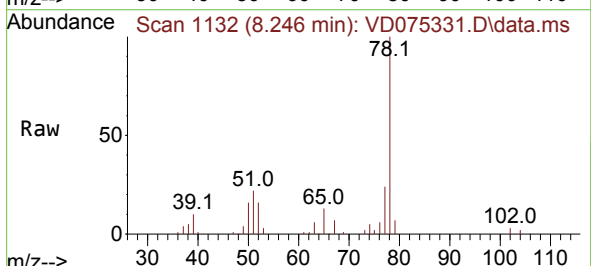
Acq: 13 Feb 2023 17:15

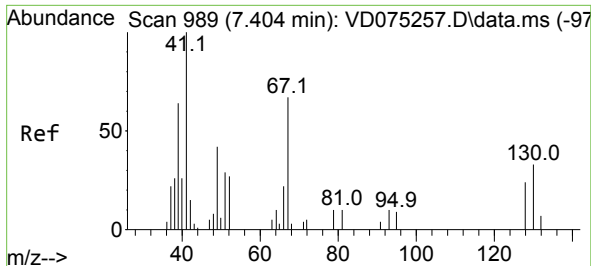
Tgt Ion: 78 Resp: 129492

Ion Ratio Lower Upper

78 100

77 24.3 19.8 29.6

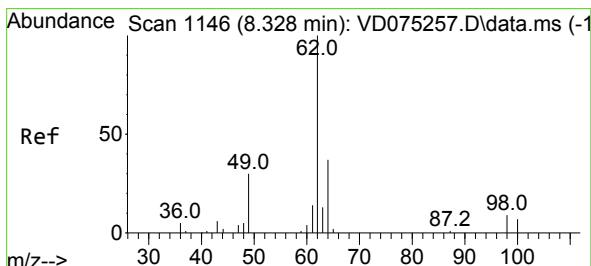
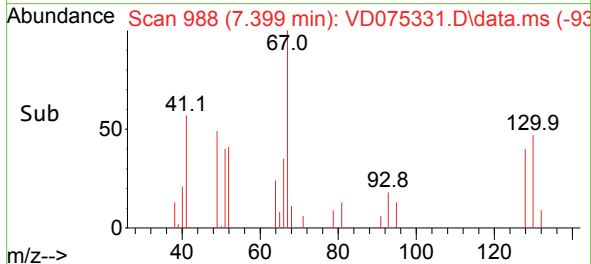
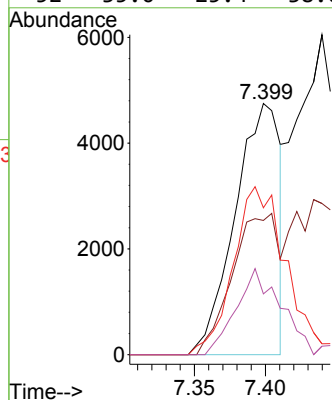
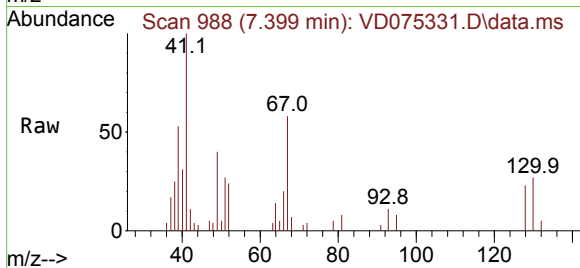




#41
Methacrylonitrile
Concen: 46.114 ug/l
RT: 7.399 min Scan# 91
Delta R.T. -0.005 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

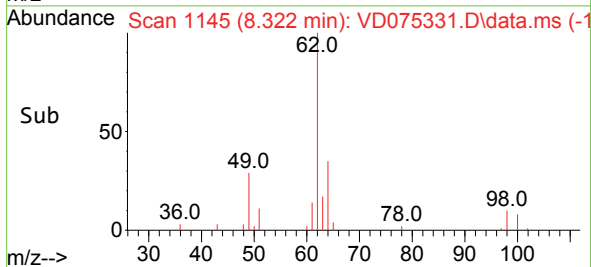
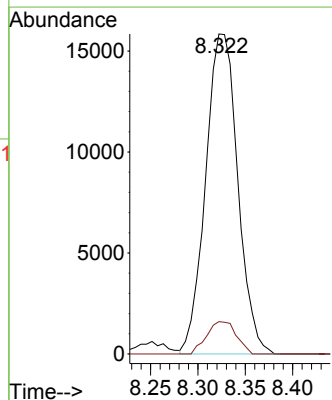
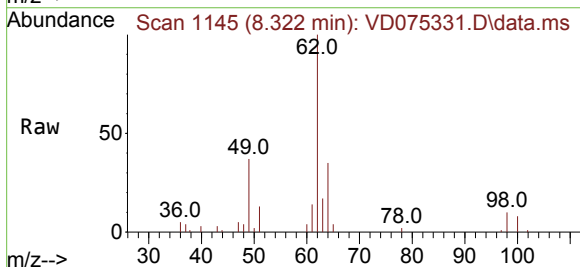
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

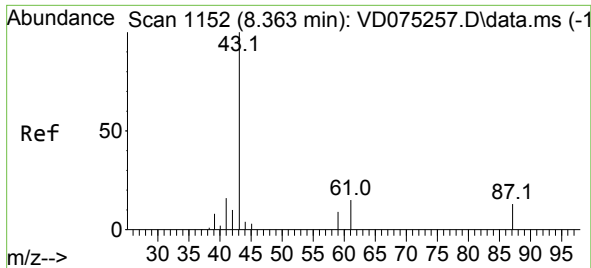
Tgt Ion:	41	Resp:	10451
Ion	Ratio	Lower	Upper
41	100		
39	57.7	57.8	86.6#
67	78.4	60.5	90.7
52	35.0	25.4	38.0



#42
1,2-Dichloroethane
Concen: 52.786 ug/l
RT: 8.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

Tgt Ion:	62	Resp:	37416
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.2

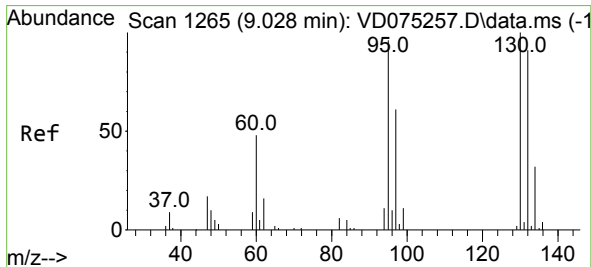
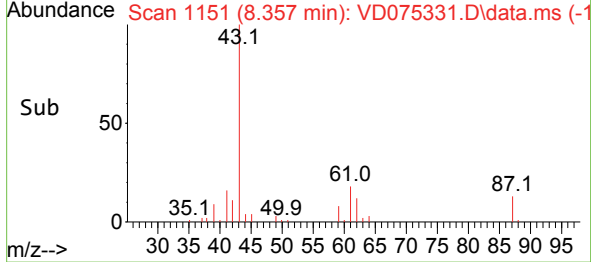
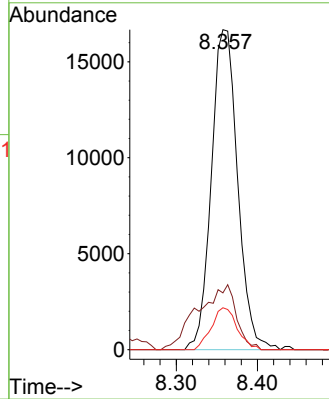
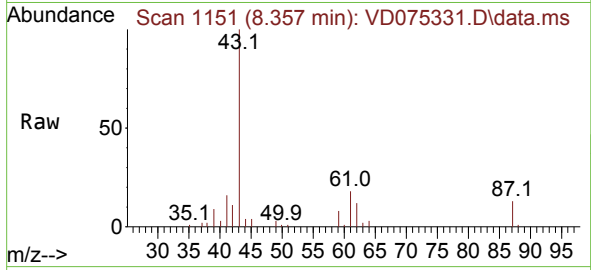




#43
Isopropyl Acetate
Concen: 51.754 ug/l
RT: 8.357 min Scan# 1151
Delta R.T. -0.006 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

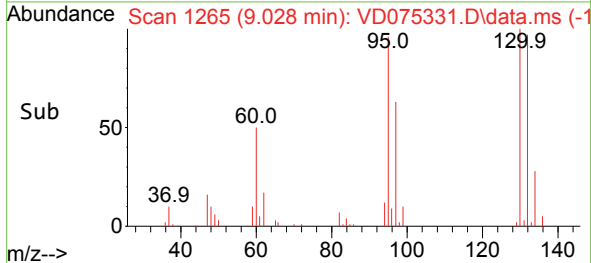
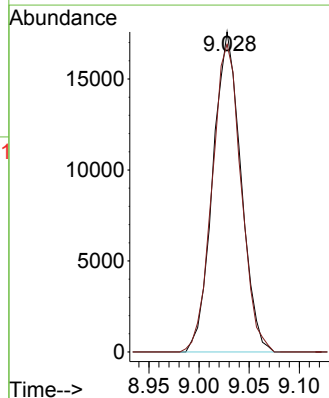
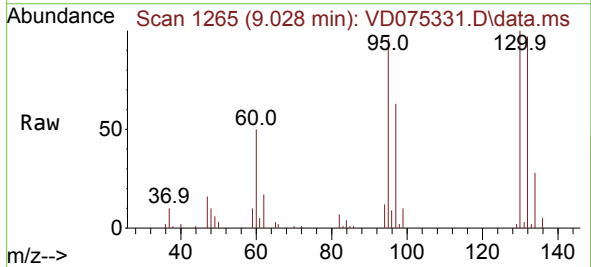
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

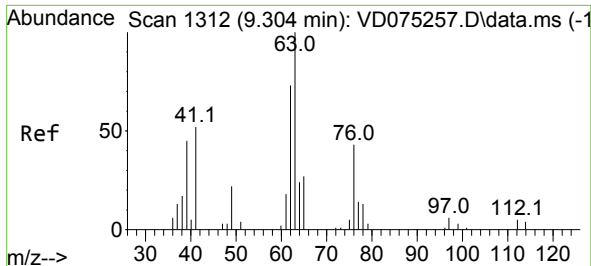
Tgt Ion: 43 Resp: 37570
Ion Ratio Lower Upper
43 100
61 29.7 25.0 37.6
87 12.8 10.6 16.0



#44
Trichloroethene
Concen: 50.683 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

Tgt Ion:130 Resp: 34205
Ion Ratio Lower Upper
130 100
95 96.1 0.0 188.6





#45

1,2-Dichloropropane

Concen: 54.584 ug/l

RT: 9.304 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

Instrument :

MSVOA_D

ClientSampleId :

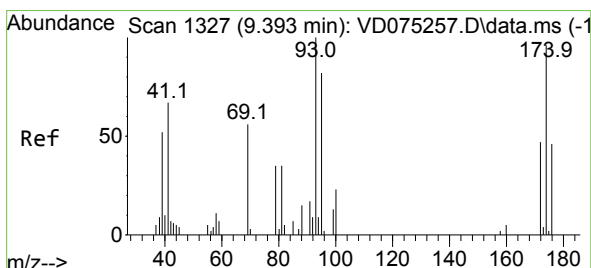
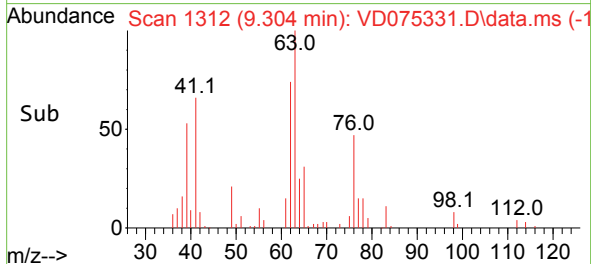
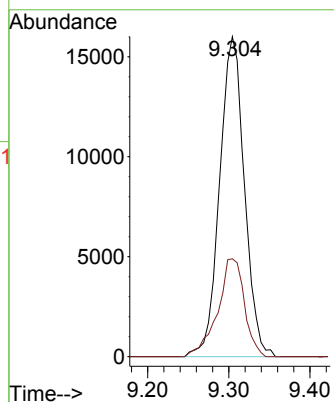
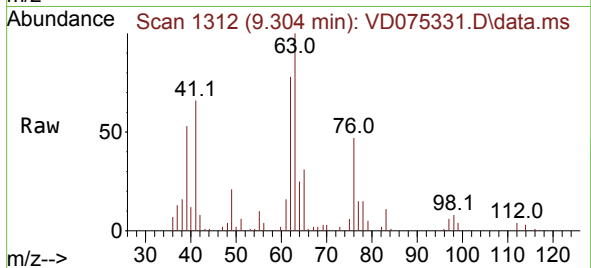
VSTDCCC050EC

Tgt Ion: 63 Resp: 33939

Ion Ratio Lower Upper

63 100

65 30.6 25.1 37.7



#46

Dibromomethane

Concen: 52.521 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. -0.000 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

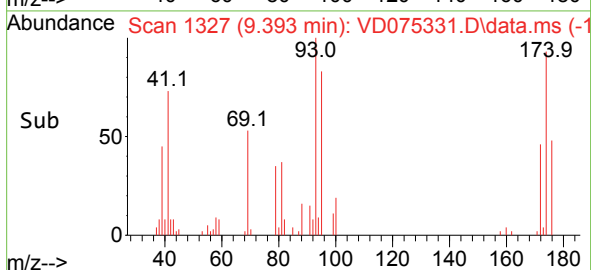
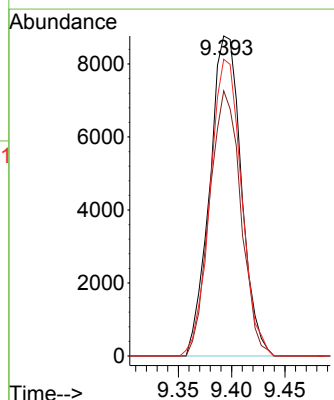
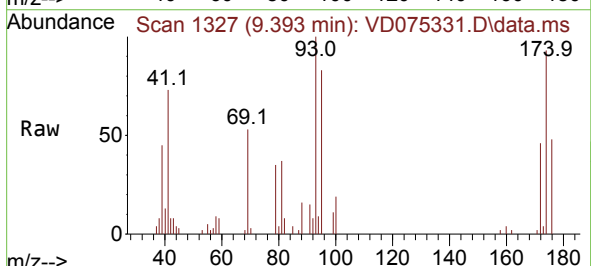
Tgt Ion: 93 Resp: 18097

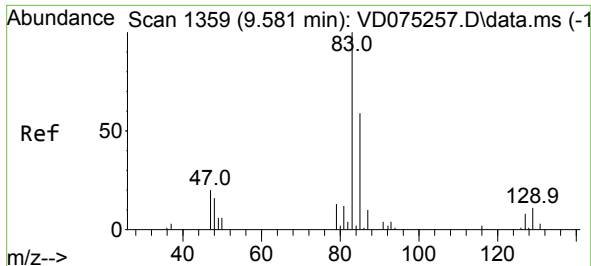
Ion Ratio Lower Upper

93 100

95 81.8 68.3 102.5

174 91.8 77.4 116.0

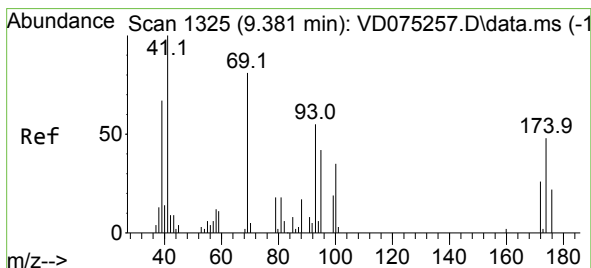
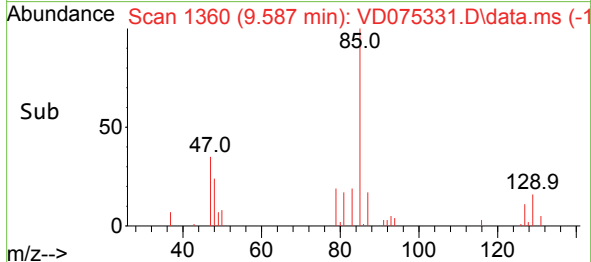
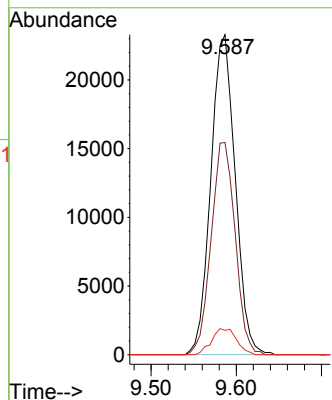
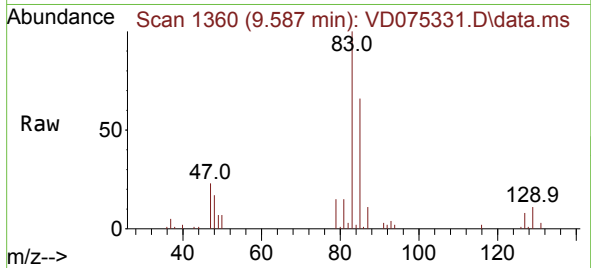




#47
Bromodichloromethane
Concen: 54.190 ug/l
RT: 9.587 min Scan# 1360
Delta R.T. 0.006 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

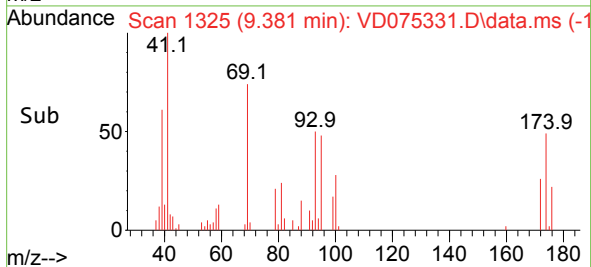
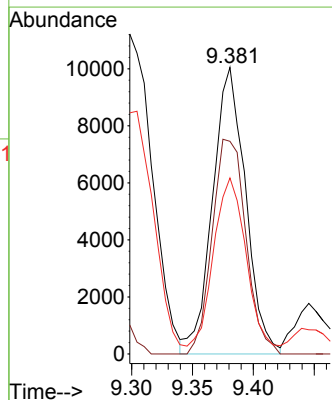
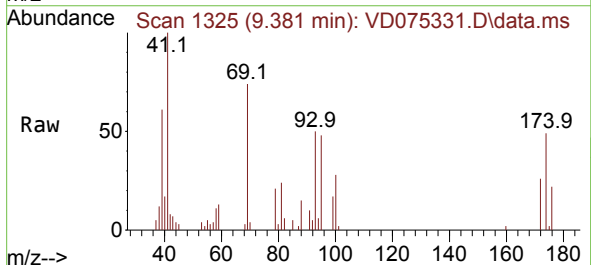
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

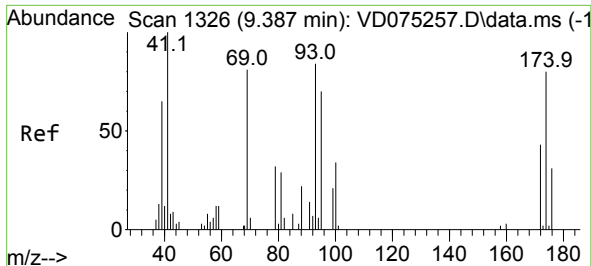
Tgt Ion: 83 Resp: 46471
Ion Ratio Lower Upper
83 100
85 66.3 53.0 79.4
127 7.6 7.0 10.4



#48
Methyl methacrylate
Concen: 54.958 ug/l
RT: 9.381 min Scan# 1325
Delta R.T. -0.000 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

Tgt Ion: 41 Resp: 18947
Ion Ratio Lower Upper
41 100
69 76.4 67.8 101.6
39 57.6 46.0 69.0





#49

1,4-Dioxane

Concen: 1030.835 ug/l

RT: 9.387 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

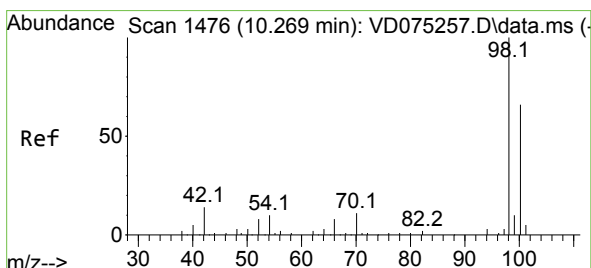
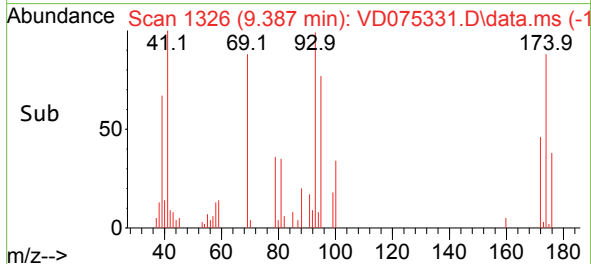
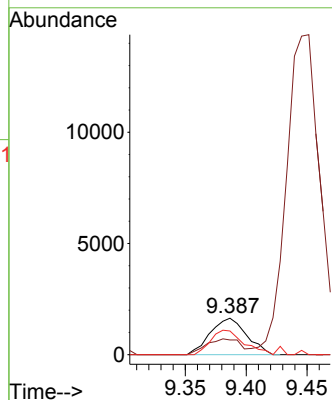
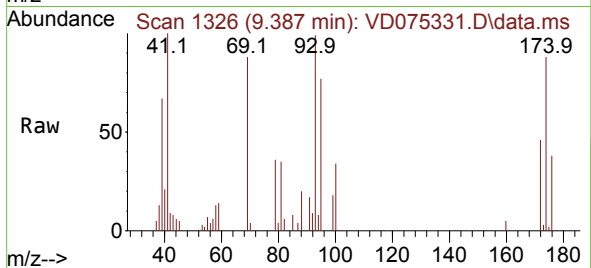
Tgt Ion: 88 Resp: 3389

Ion Ratio Lower Upper

88 100

43 43.2 35.6 53.4

58 61.1 57.4 86.2



#50

Toluene-d8

Concen: 49.091 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD075331.D

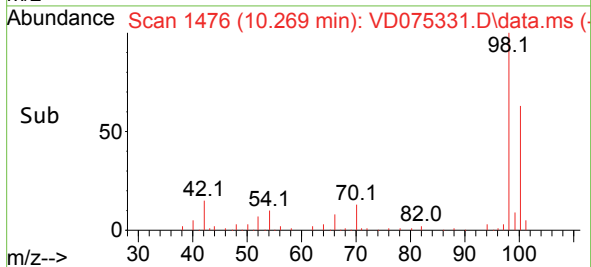
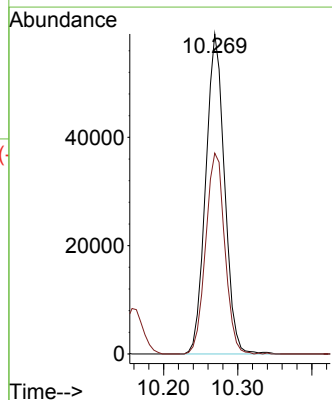
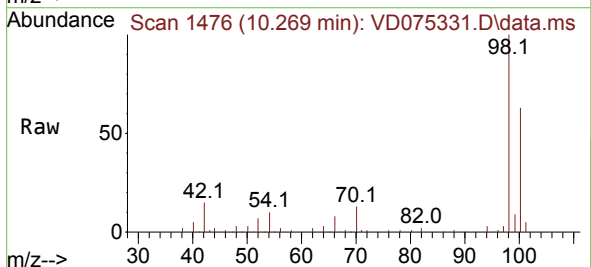
Acq: 13 Feb 2023 17:15

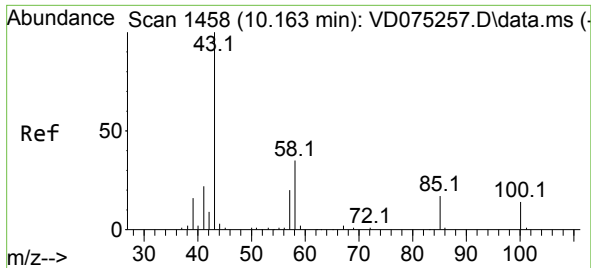
Tgt Ion: 98 Resp: 104107

Ion Ratio Lower Upper

98 100

100 63.9 52.7 79.1

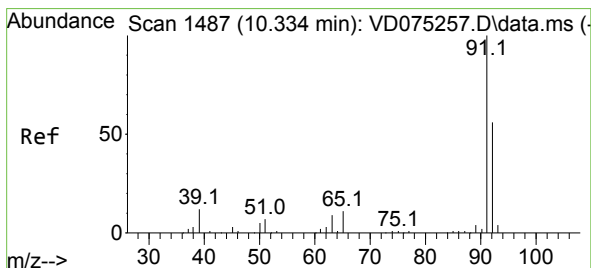
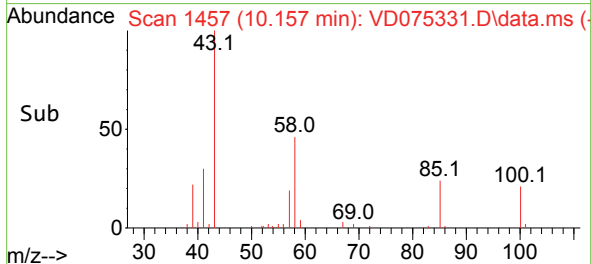
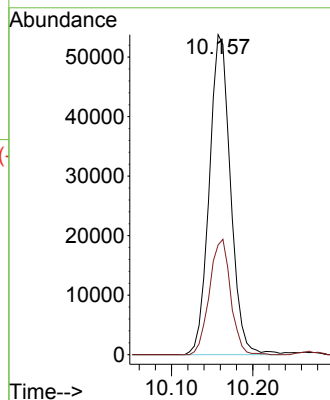
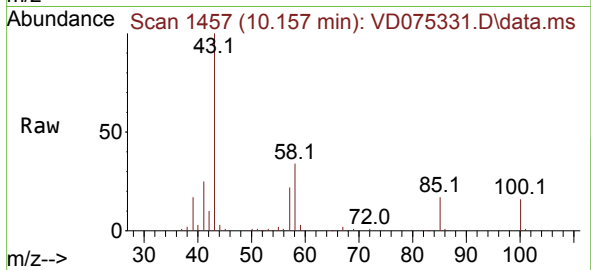




#51
4-Methyl-2-Pentanone
Concen: 266.210 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. -0.006 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

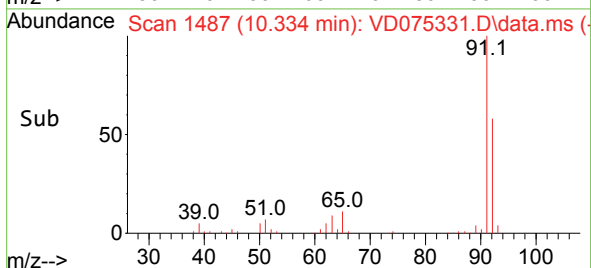
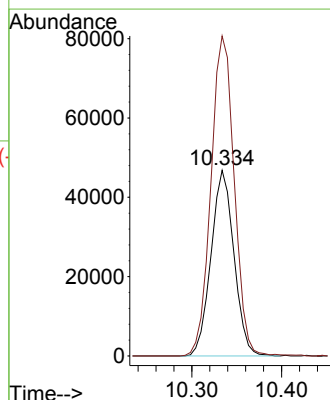
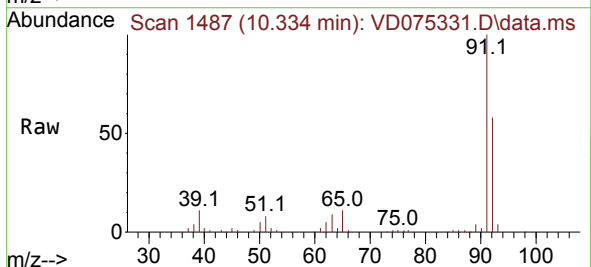
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

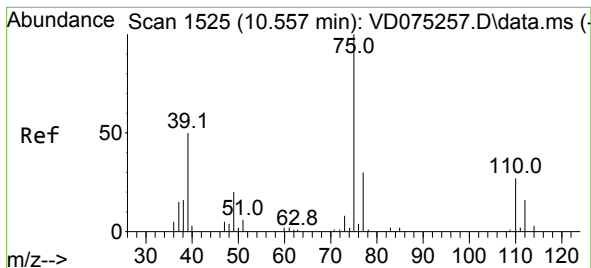
Tgt Ion: 43 Resp: 97699
Ion Ratio Lower Upper
43 100
58 35.8 31.4 47.0



#52
Toluene
Concen: 53.835 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

Tgt Ion: 92 Resp: 83018
Ion Ratio Lower Upper
92 100
91 175.4 137.0 205.4

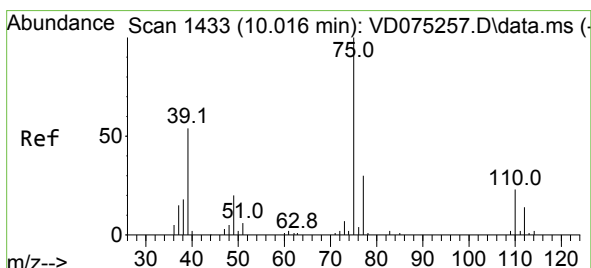
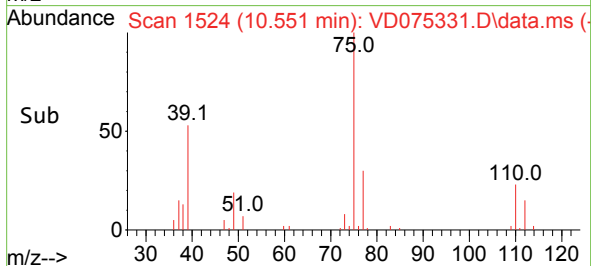
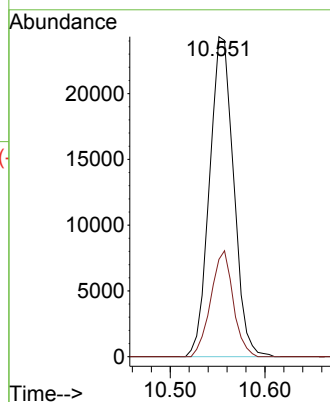
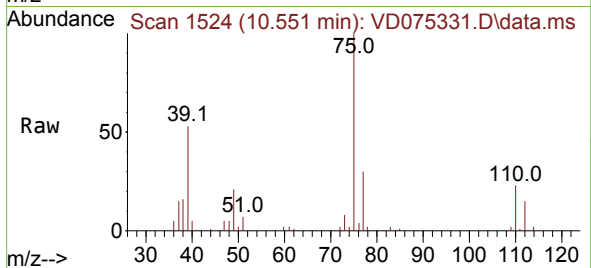




#53
 t-1,3-Dichloropropene
 Concen: 57.895 ug/l
 RT: 10.551 min Scan# 1525
 Delta R.T. -0.006 min
 Lab File: VD075331.D
 Acq: 13 Feb 2023 17:15

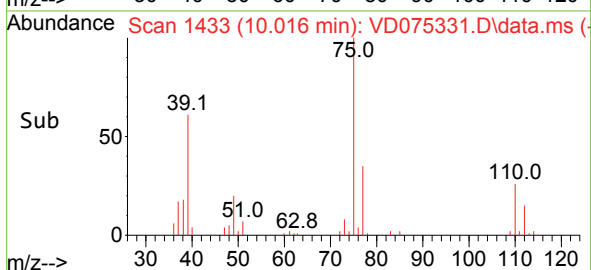
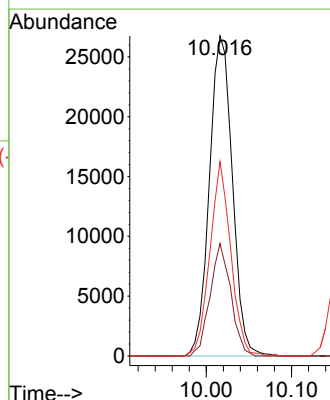
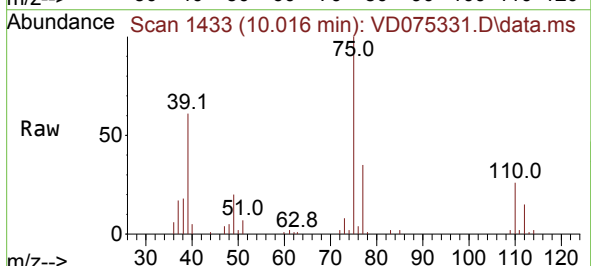
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

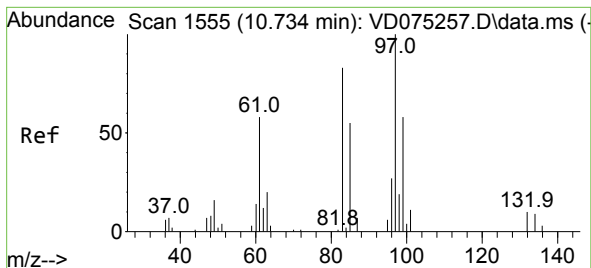
Tgt Ion: 75 Resp: 43005
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.0 37.6



#54
 cis-1,3-Dichloropropene
 Concen: 56.359 ug/l
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD075331.D
 Acq: 13 Feb 2023 17:15

Tgt Ion: 75 Resp: 50053
 Ion Ratio Lower Upper
 75 100
 77 35.1 25.1 37.7
 39 60.7 37.9 56.9#





#55

1,1,2-Trichloroethane

Concen: 54.539 ug/l

RT: 10.734 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 23989

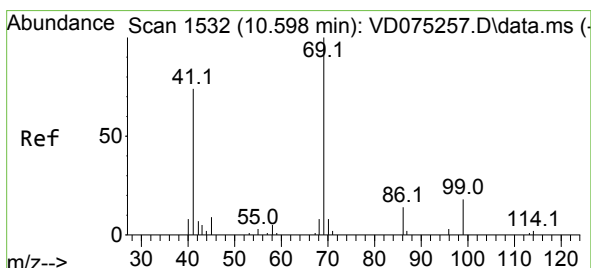
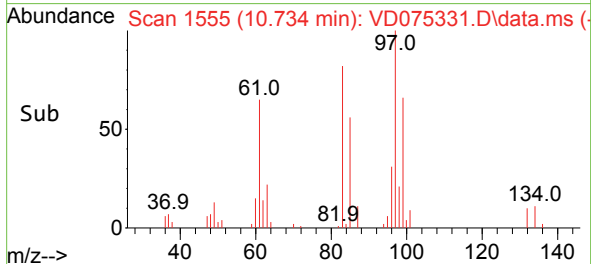
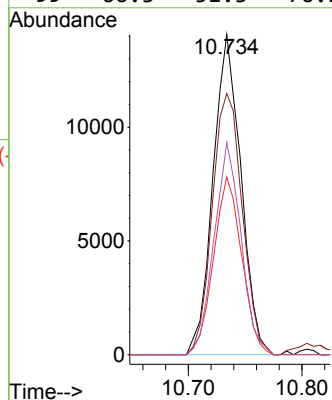
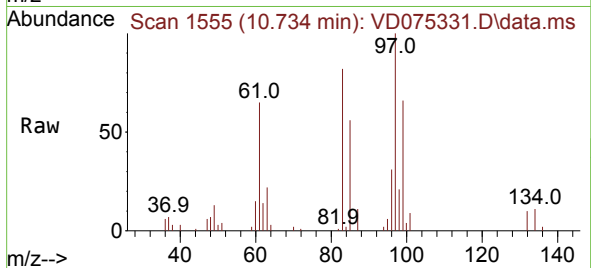
Ion Ratio Lower Upper

97 100

83 81.6 69.4 104.0

85 55.5 46.0 69.0

99 66.3 51.3 76.9



#56

Ethyl methacrylate

Concen: 55.433 ug/l

RT: 10.598 min Scan# 1532

Delta R.T. 0.000 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

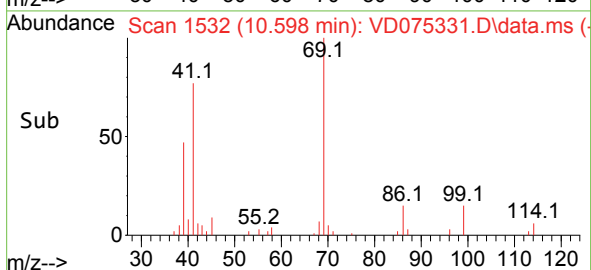
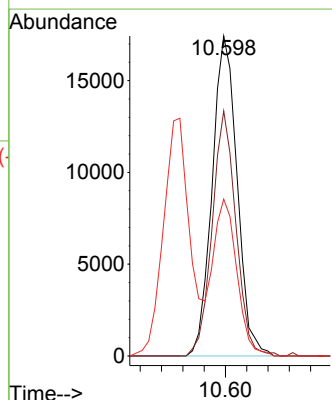
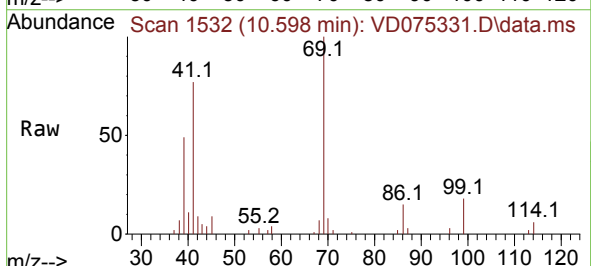
Tgt Ion: 69 Resp: 28346

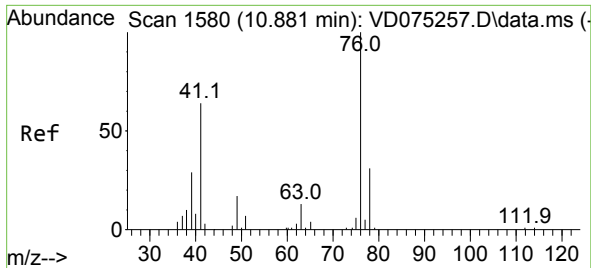
Ion Ratio Lower Upper

69 100

41 72.8 55.7 83.5

39 46.0 31.4 47.0





#57

1,3-Dichloropropane

Concen: 54.599 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. -0.000 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

Instrument :

MSVOA_D

ClientSampleId :

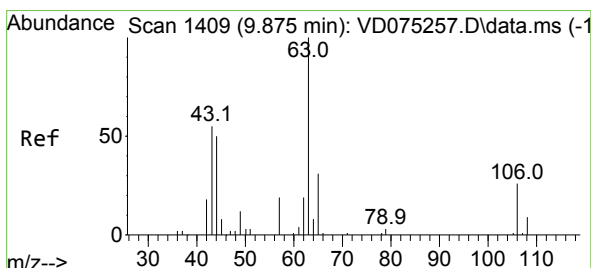
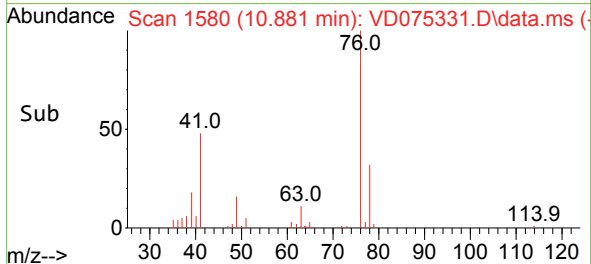
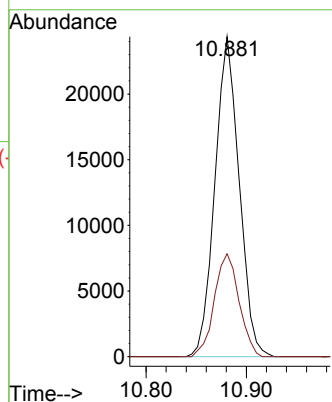
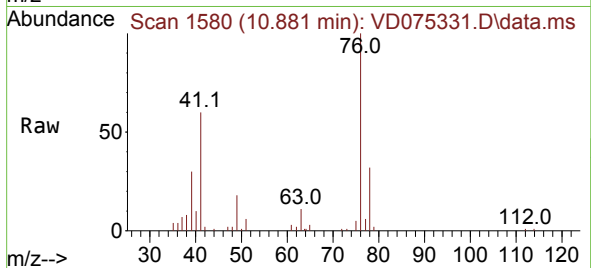
VSTDCCC050EC

Tgt Ion: 76 Resp: 40911

Ion Ratio Lower Upper

76 100

78 32.7 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 292.660 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. -0.006 min

Lab File: VD075331.D

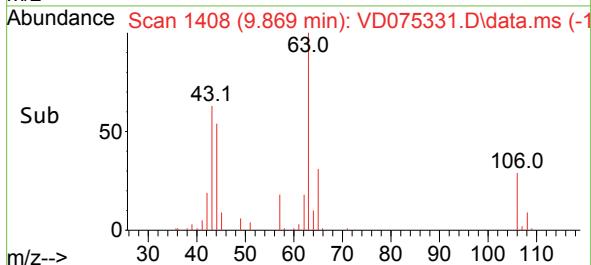
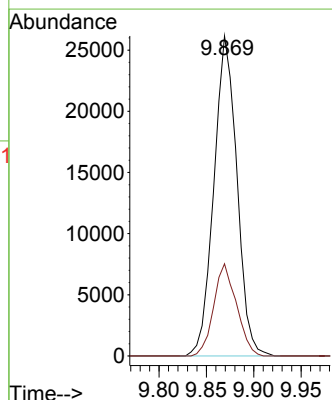
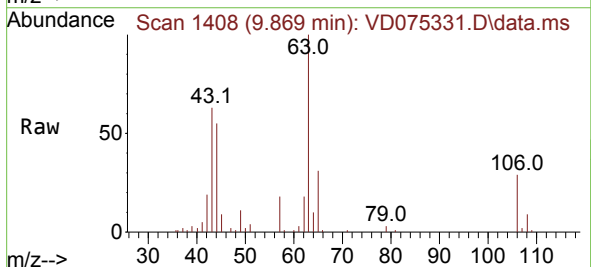
Acq: 13 Feb 2023 17:15

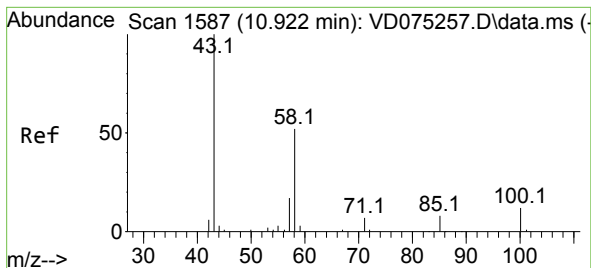
Tgt Ion: 63 Resp: 44231

Ion Ratio Lower Upper

63 100

106 28.5 22.6 33.8

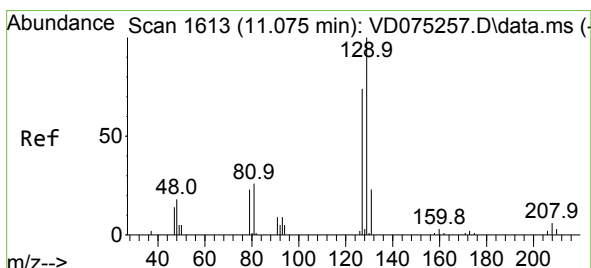
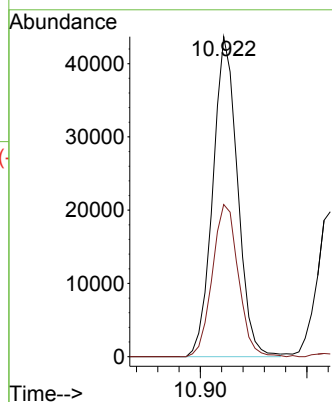
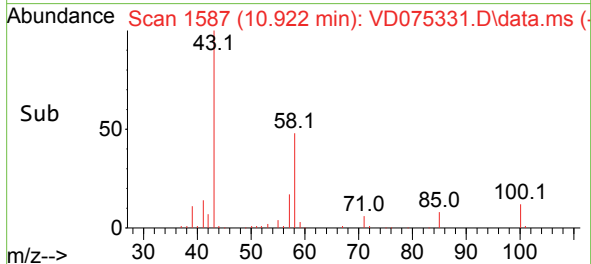
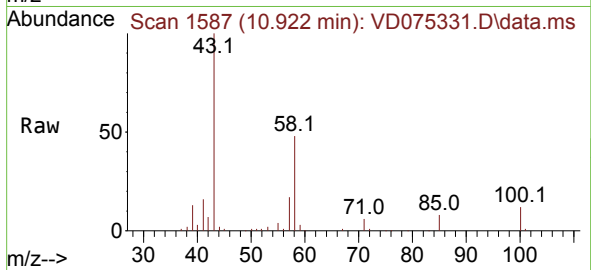




#59
2-Hexanone
Concen: 262.113 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

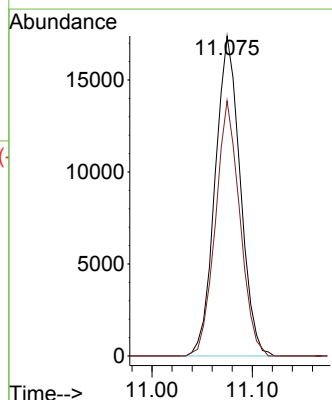
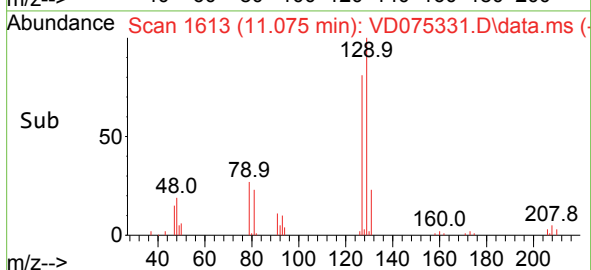
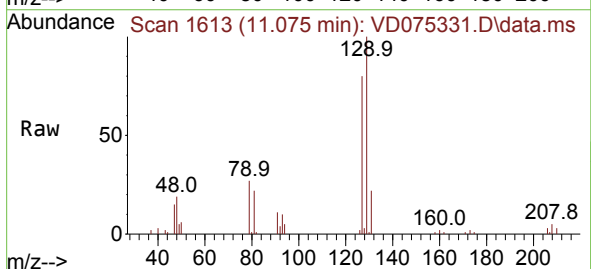
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

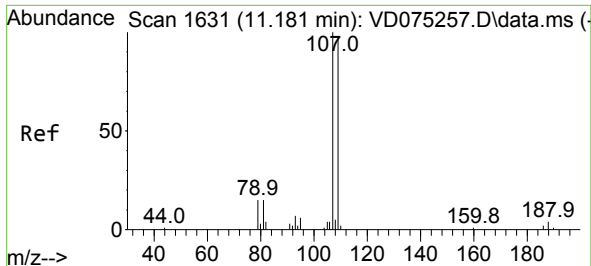
Tgt Ion: 43 Resp: 70279
Ion Ratio Lower Upper
43 100
58 50.1 26.8 80.4



#60
Dibromochloromethane
Concen: 55.388 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. -0.000 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

Tgt Ion: 129 Resp: 30184
Ion Ratio Lower Upper
129 100
127 77.5 38.9 116.6

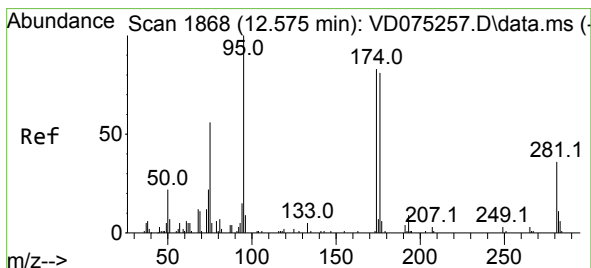
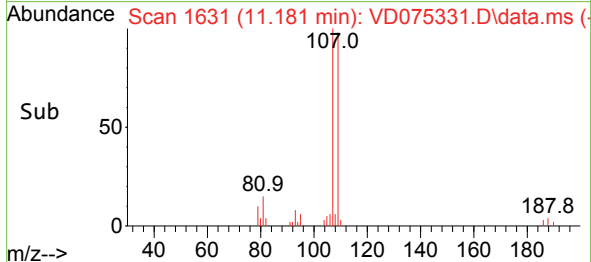
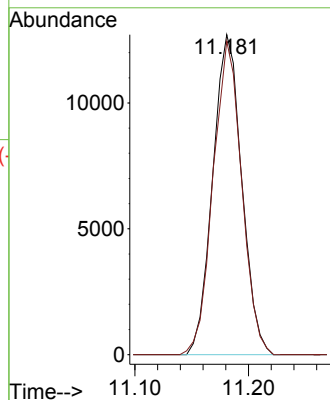
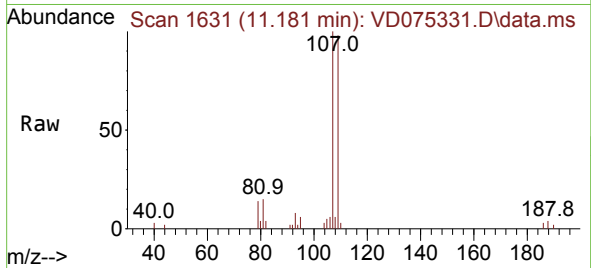




#61
1,2-Dibromoethane
Concen: 53.173 ug/l
RT: 11.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

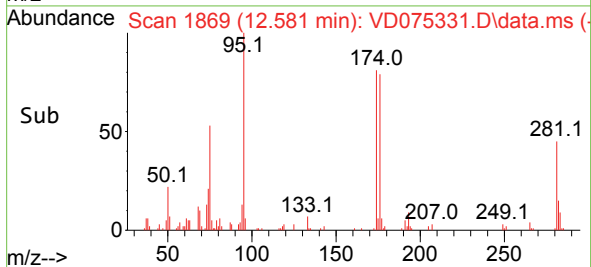
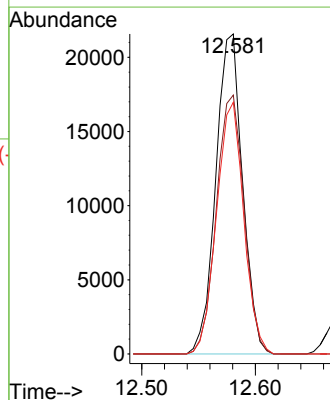
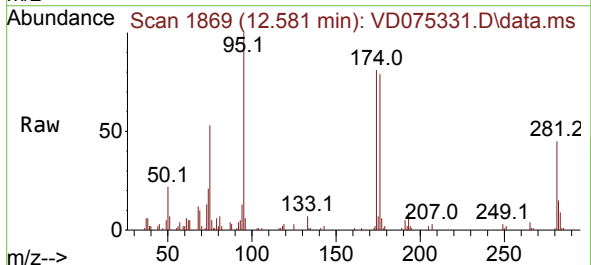
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

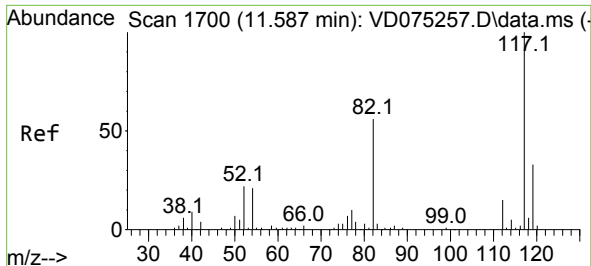
Tgt Ion:107 Resp: 22552
Ion Ratio Lower Upper
107 100
109 96.5 75.2 112.8



#62
4-Bromofluorobenzene
Concen: 50.555 ug/l
RT: 12.581 min Scan# 1869
Delta R.T. 0.006 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

Tgt Ion: 95 Resp: 35352
Ion Ratio Lower Upper
95 100
174 83.5 0.0 161.2
176 79.9 0.0 160.2

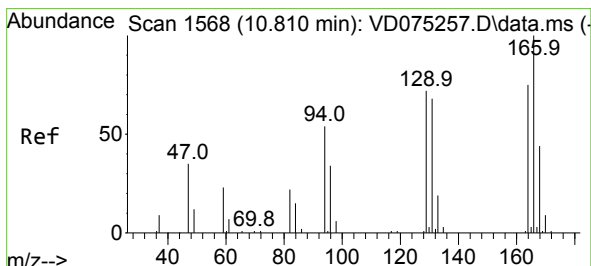
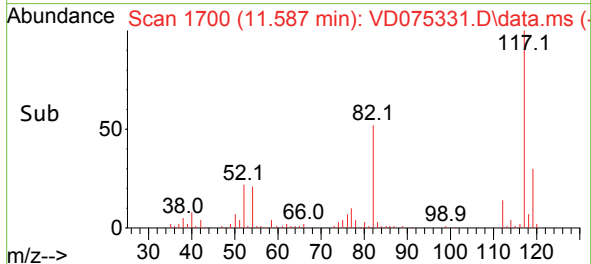
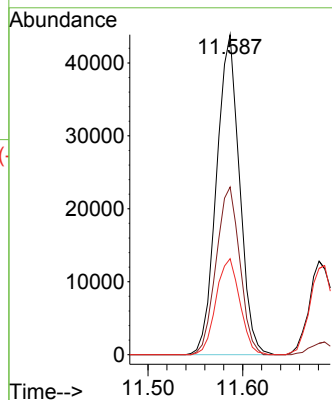
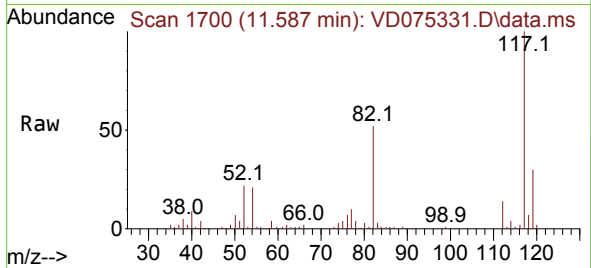




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

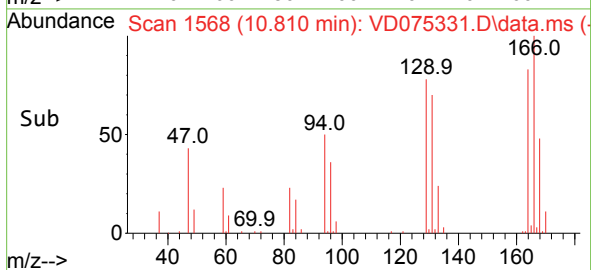
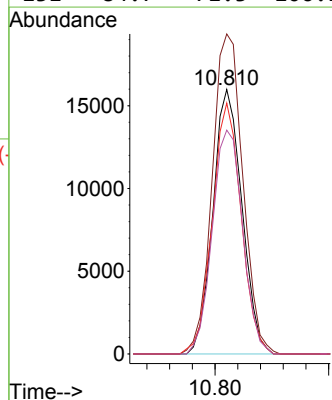
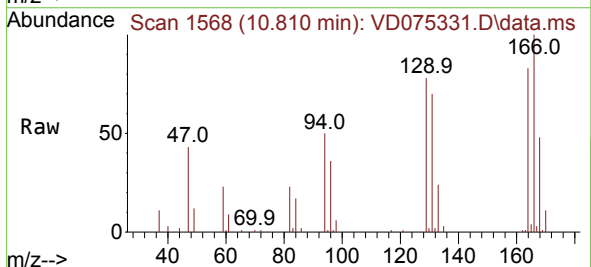
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

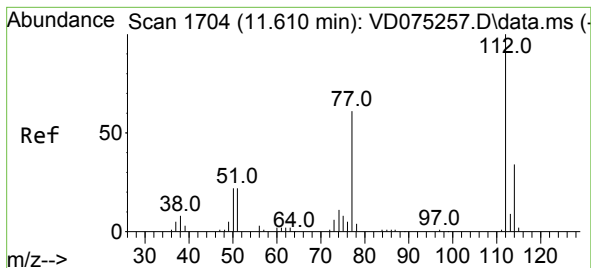
Tgt Ion:117 Resp: 74014
Ion Ratio Lower Upper
117 100
82 52.4 39.6 59.4
119 30.0 24.6 37.0



#64
Tetrachloroethene
Concen: 49.708 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

Tgt Ion:164 Resp: 28336
Ion Ratio Lower Upper
164 100
166 121.0 105.3 157.9
129 94.9 76.2 114.4
131 84.7 71.3 106.9





#65

Chlorobenzene

Concen: 51.660 ug/l

RT: 11.610 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

Instrument :

MSVOA_D

ClientSampleId :

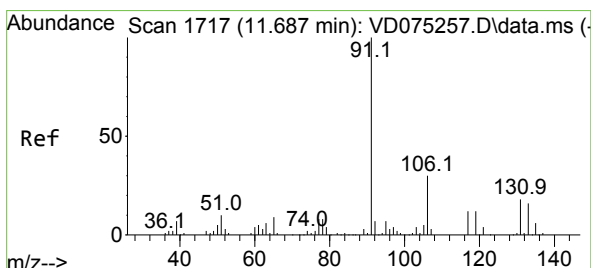
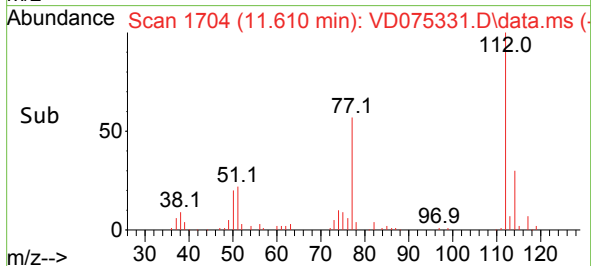
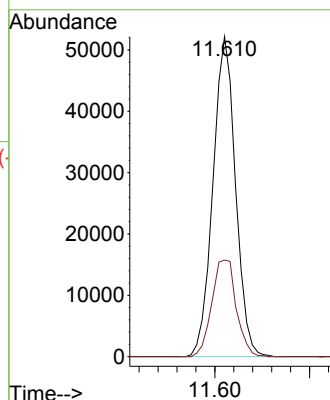
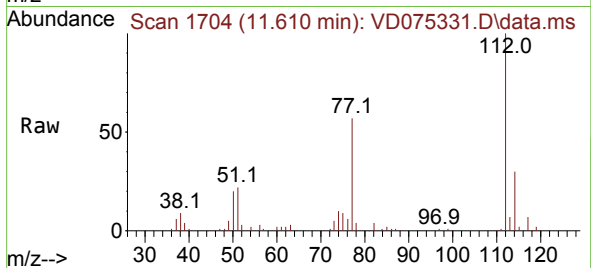
VSTDCCC050EC

Tgt Ion:112 Resp: 86228

Ion Ratio Lower Upper

112 100

114 30.2 24.7 37.1



#66

1,1,1,2-Tetrachloroethane

Concen: 55.167 ug/l

RT: 11.687 min Scan# 1717

Delta R.T. -0.000 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

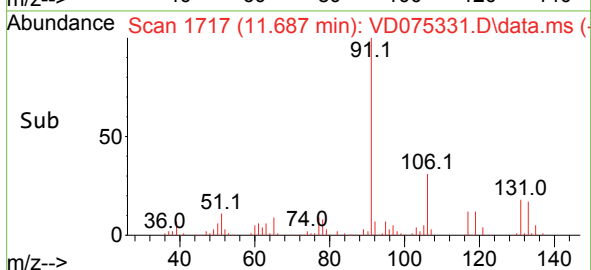
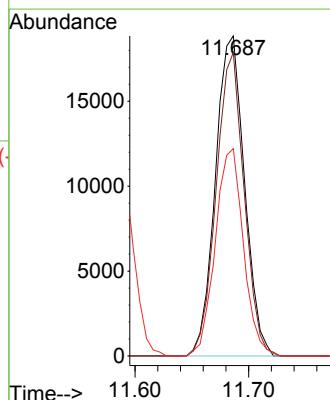
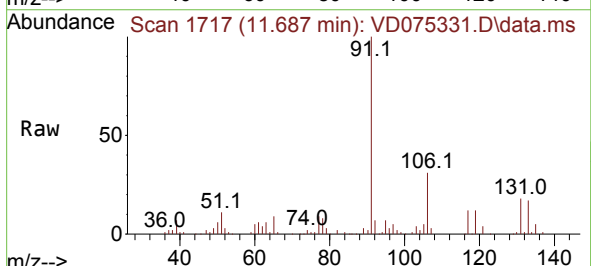
Tgt Ion:131 Resp: 33525

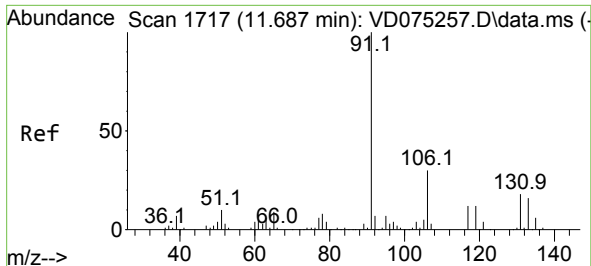
Ion Ratio Lower Upper

131 100

133 90.9 49.0 147.2

119 62.8 34.8 104.5





#67

Ethyl Benzene

Concen: 53.046 ug/l

RT: 11.687 min Scan# 1717

Delta R.T. -0.000 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

Instrument :

MSVOA_D

ClientSampleId :

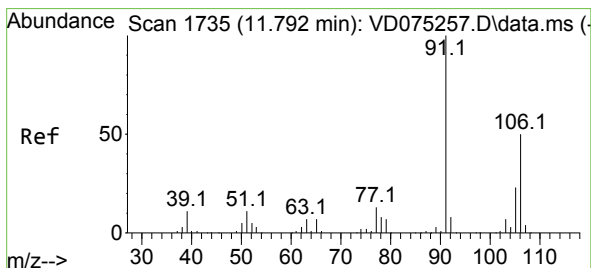
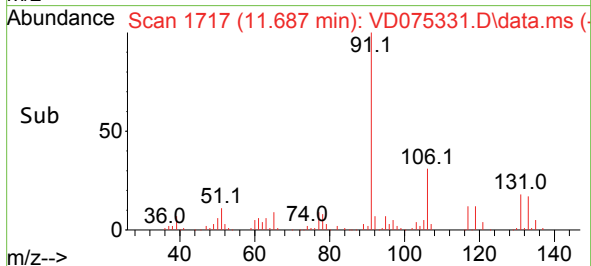
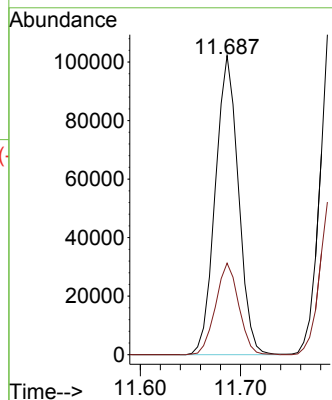
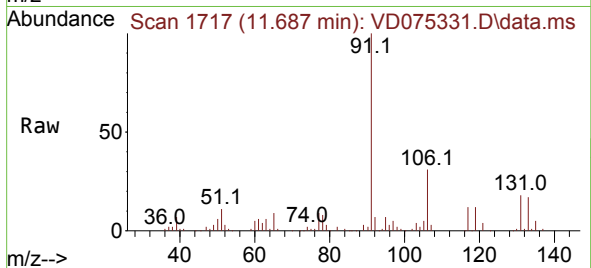
VSTDCCC050EC

Tgt Ion: 91 Resp: 163463

Ion Ratio Lower Upper

91 100

106 30.6 25.0 37.6



#68

m/p-Xylenes

Concen: 108.537 ug/l

RT: 11.798 min Scan# 1736

Delta R.T. 0.006 min

Lab File: VD075331.D

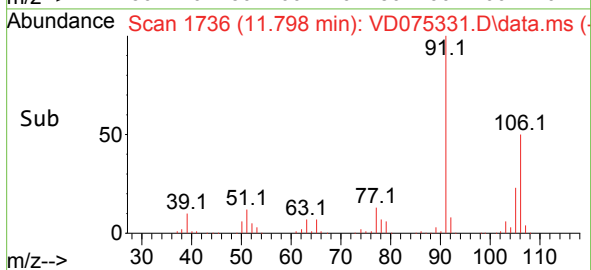
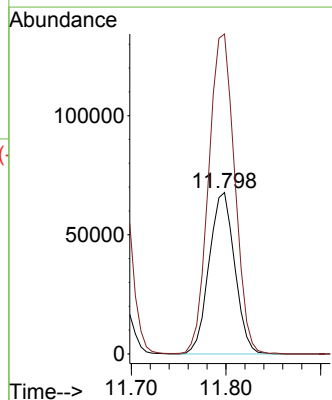
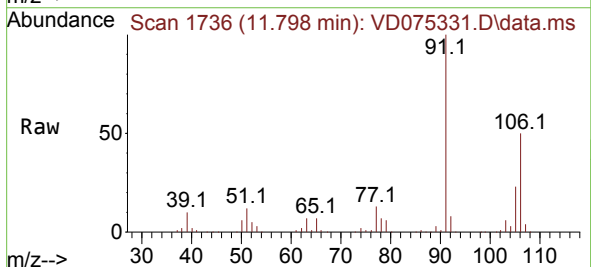
Acq: 13 Feb 2023 17:15

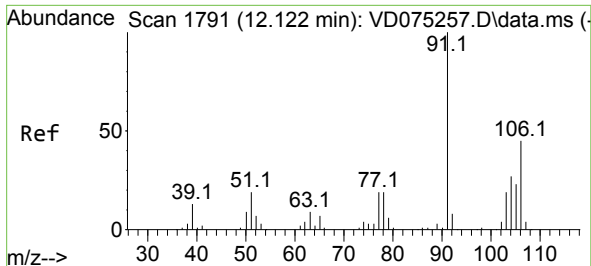
Tgt Ion:106 Resp: 127226

Ion Ratio Lower Upper

106 100

91 202.2 160.3 240.5





#69

o-Xylene

Concen: 53.968 ug/l

RT: 12.122 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

Instrument :

MSVOA_D

ClientSampleId :

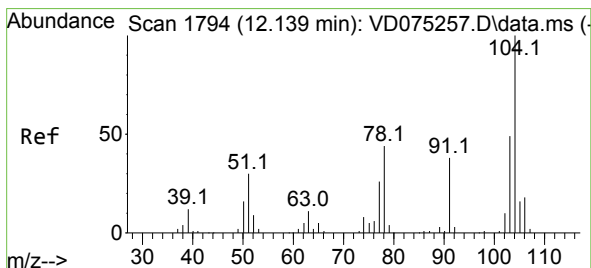
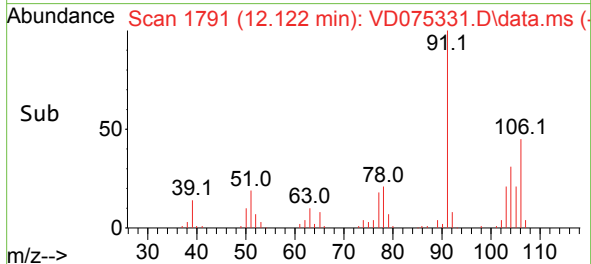
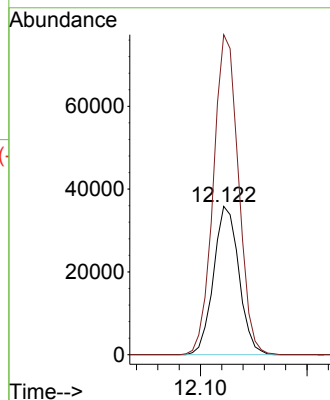
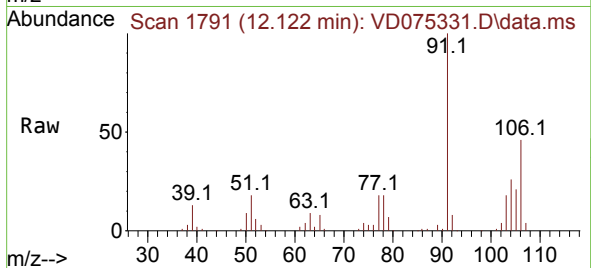
VSTDCCC050EC

Tgt Ion:106 Resp: 59091

Ion Ratio Lower Upper

106 100

91 213.8 103.6 310.9



#70

Styrene

Concen: 55.519 ug/l

RT: 12.140 min Scan# 1794

Delta R.T. 0.001 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

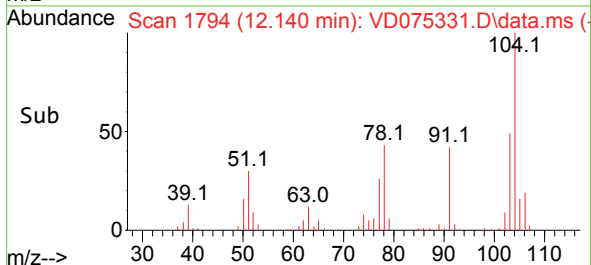
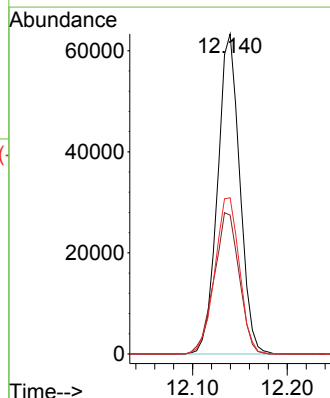
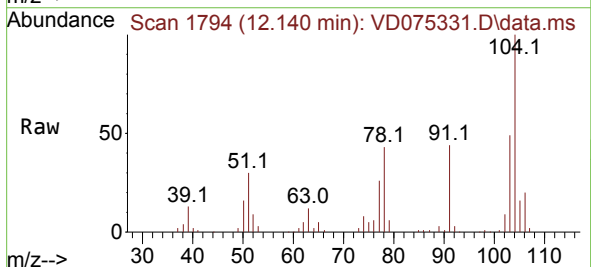
Tgt Ion:104 Resp: 102974

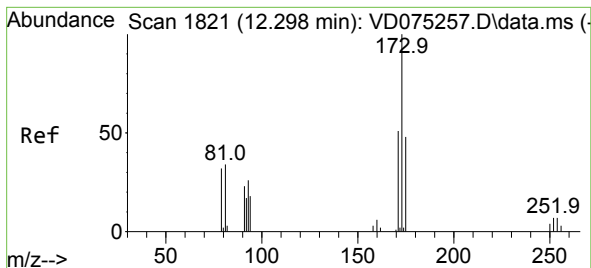
Ion Ratio Lower Upper

104 100

78 50.0 38.9 58.3

103 54.3 43.6 65.4





#71

Bromoform

Concen: 54.482 ug/l

RT: 12.298 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

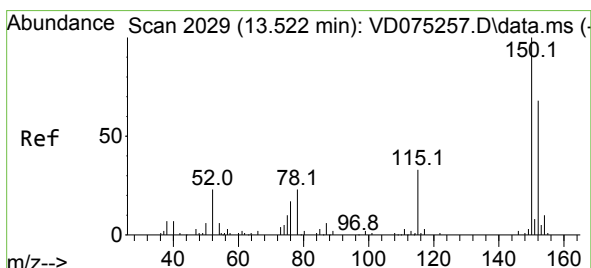
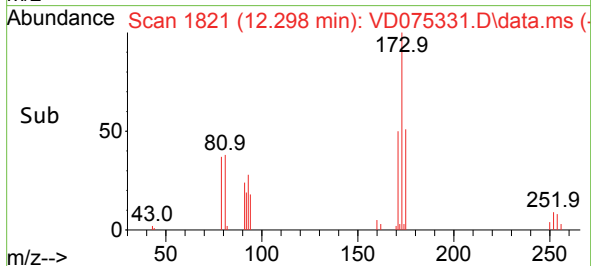
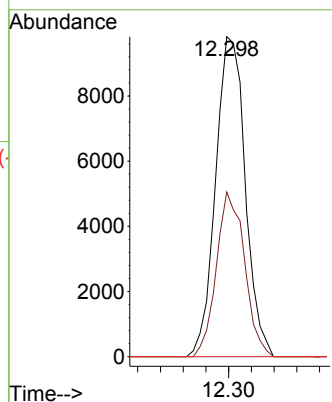
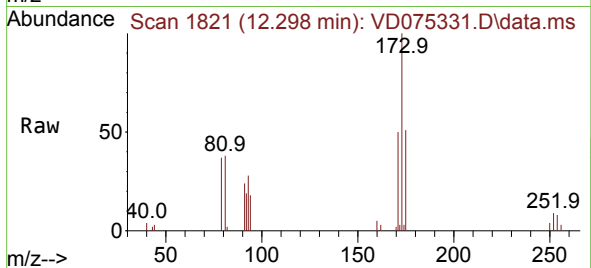
Tgt Ion:173 Resp: 17784

Ion Ratio Lower Upper

173 100

175 48.9 25.4 76.0

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. -0.000 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

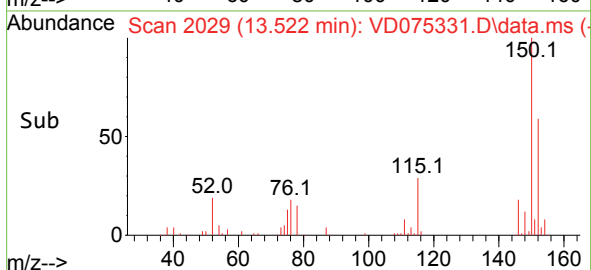
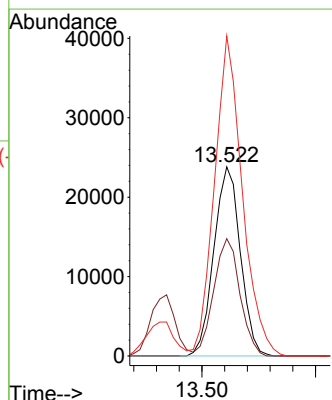
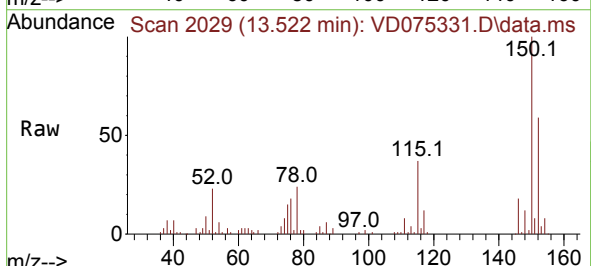
Tgt Ion:152 Resp: 38544

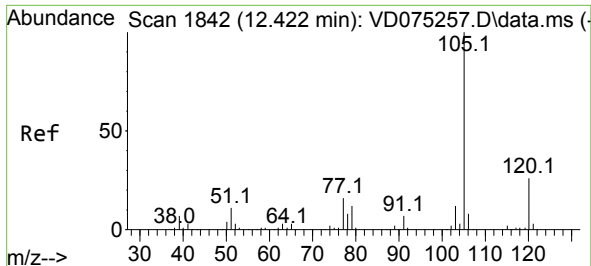
Ion Ratio Lower Upper

152 100

115 61.3 28.8 86.4

150 178.3 0.0 348.6

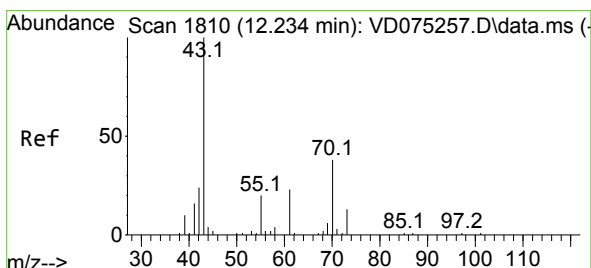
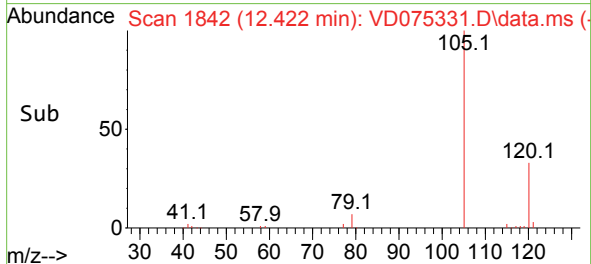
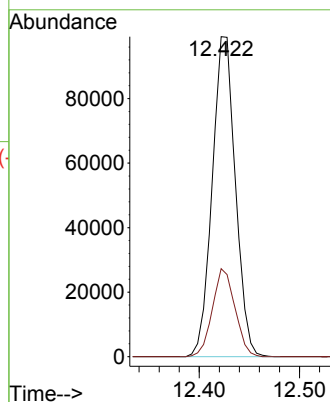
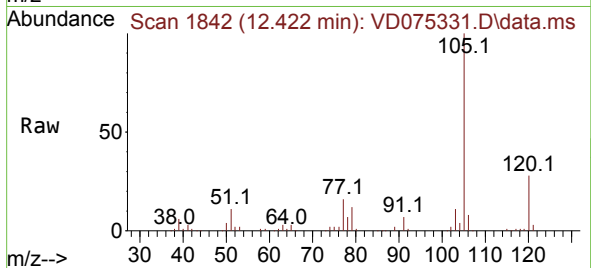




#73
Isopropylbenzene
Concen: 50.989 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

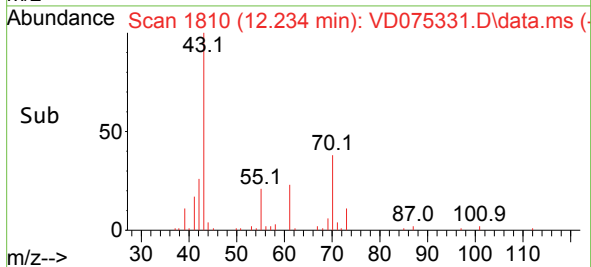
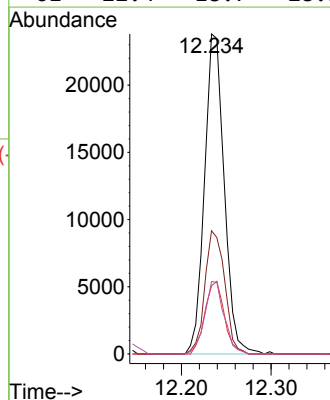
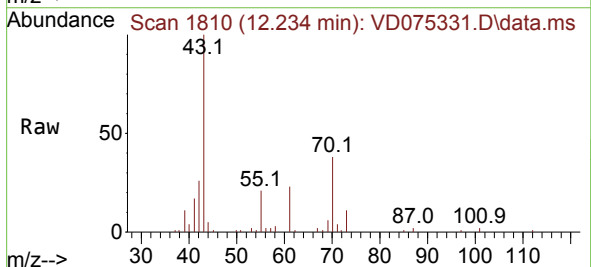
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

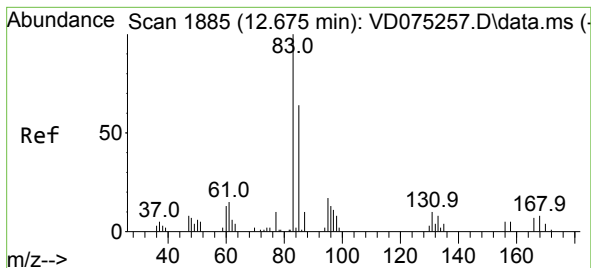
Tgt Ion:105 Resp: 159214
Ion Ratio Lower Upper
105 100
120 26.8 13.7 41.1



#74
N-ethyl acetate
Concen: 51.832 ug/l
RT: 12.234 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

Tgt Ion: 43 Resp: 36369
Ion Ratio Lower Upper
43 100
70 38.8 32.6 49.0
55 22.4 17.8 26.8
61 22.4 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 49.800 ug/l

RT: 12.681 min Scan# 1886

Delta R.T. 0.006 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

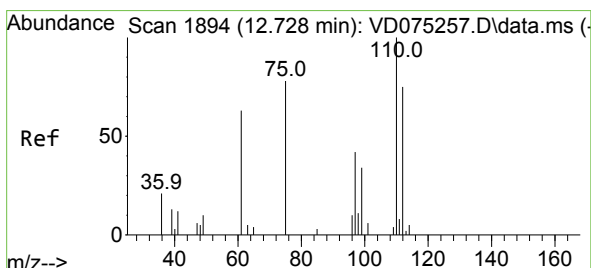
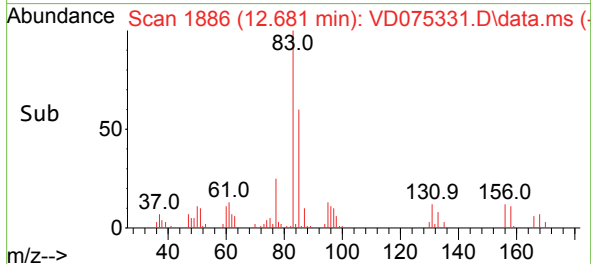
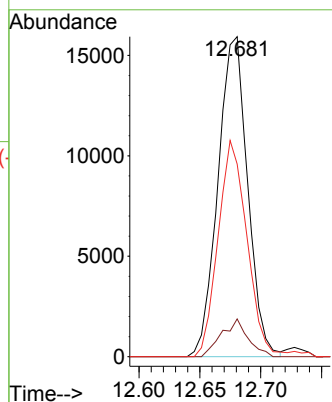
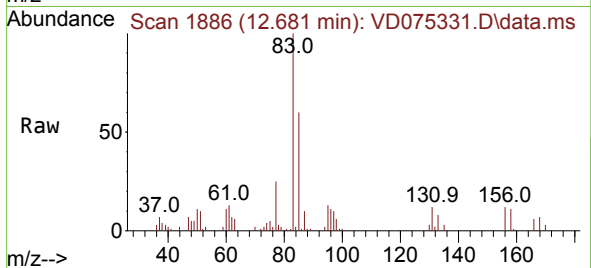
Tgt Ion: 83 Resp: 27054

Ion Ratio Lower Upper

83 100

131 10.5 4.9 14.6

85 65.6 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 79.467 ug/l

RT: 12.728 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VD075331.D

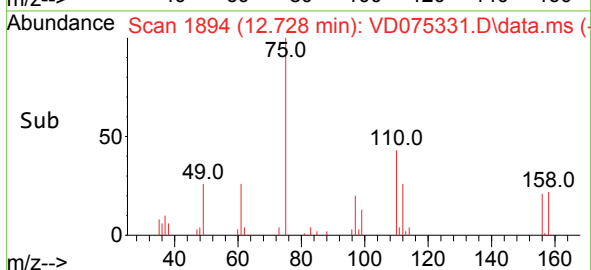
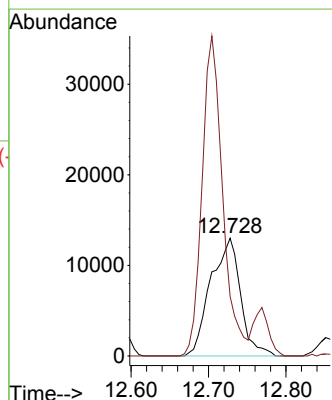
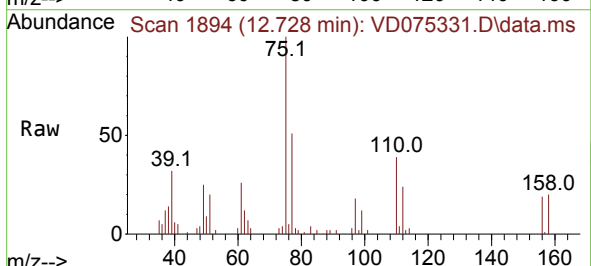
Acq: 13 Feb 2023 17:15

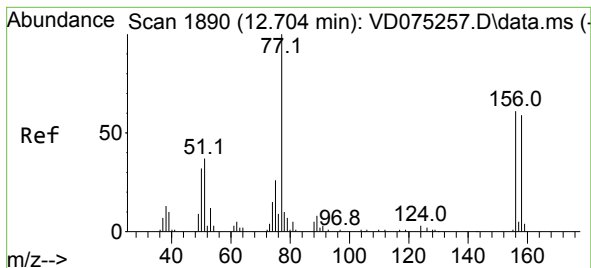
Tgt Ion: 75 Resp: 34791

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.059 ug/l

RT: 12.704 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

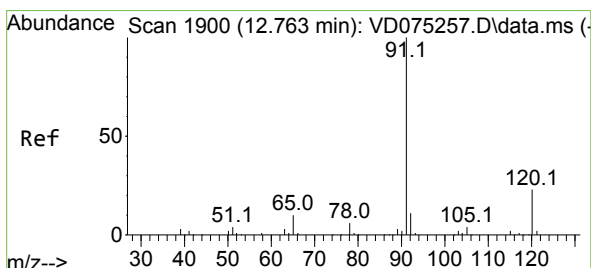
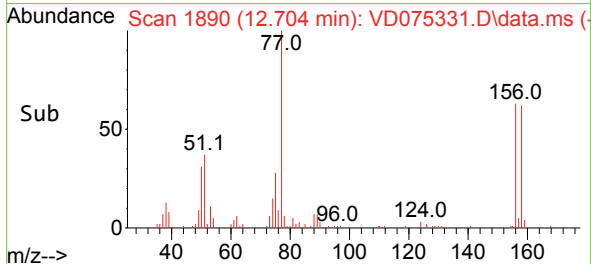
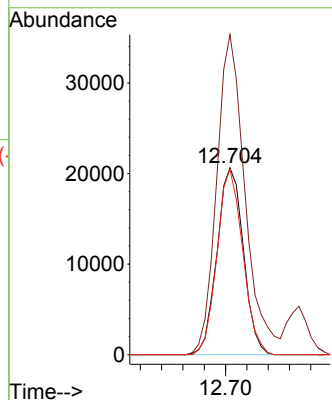
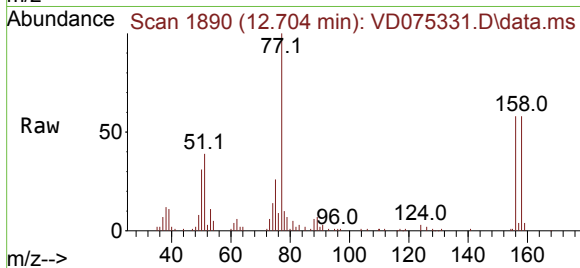
Tgt Ion:156 Resp: 35395

Ion Ratio Lower Upper

156 100

77 184.7 85.6 256.8

158 96.7 47.3 141.9



#78

n-propylbenzene

Concen: 50.906 ug/l

RT: 12.769 min Scan# 1901

Delta R.T. 0.006 min

Lab File: VD075331.D

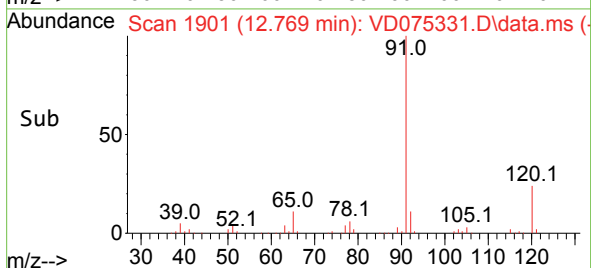
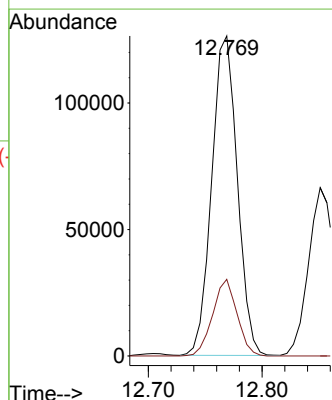
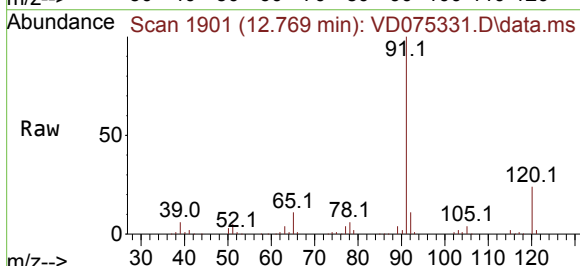
Acq: 13 Feb 2023 17:15

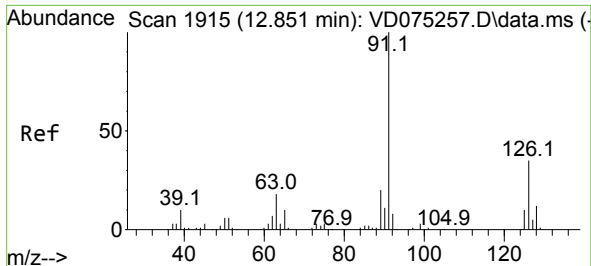
Tgt Ion: 91 Resp: 197789

Ion Ratio Lower Upper

91 100

120 22.9 11.7 35.0

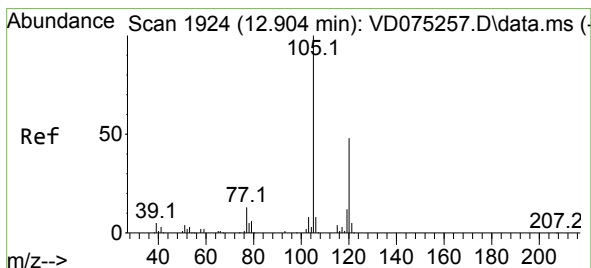
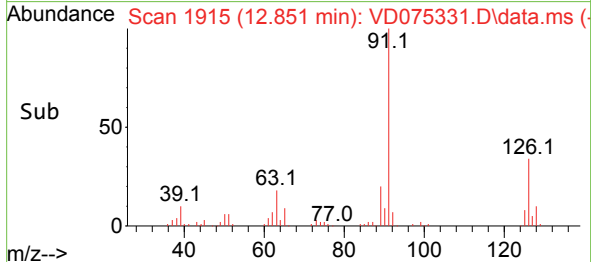
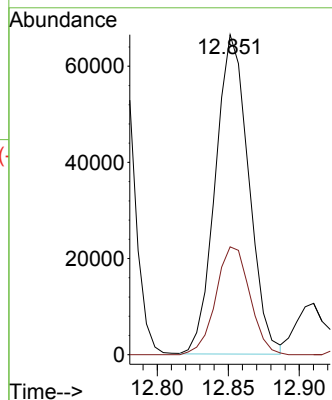
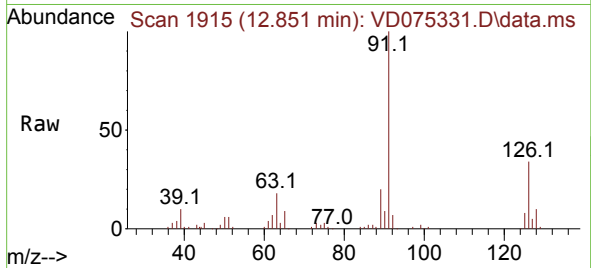




#79
2-Chlorotoluene
Concen: 50.870 ug/l
RT: 12.851 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

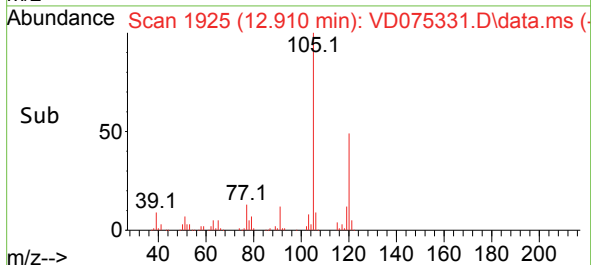
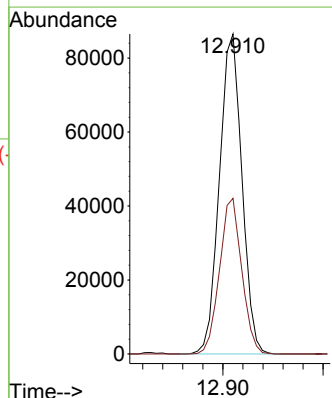
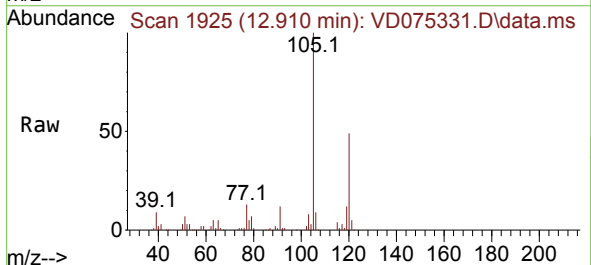
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

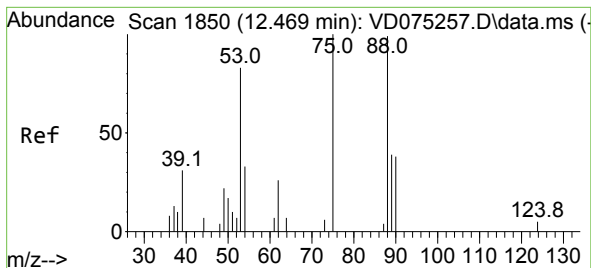
Tgt Ion: 91 Resp: 108412
Ion Ratio Lower Upper
91 100
126 34.5 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 51.714 ug/l
RT: 12.910 min Scan# 1925
Delta R.T. 0.006 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

Tgt Ion: 105 Resp: 134451
Ion Ratio Lower Upper
105 100
120 48.0 24.6 73.8

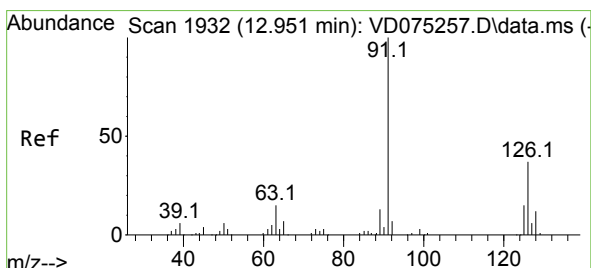
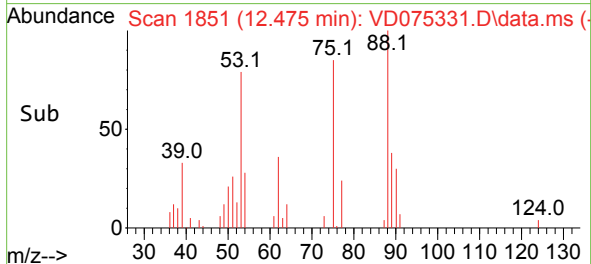
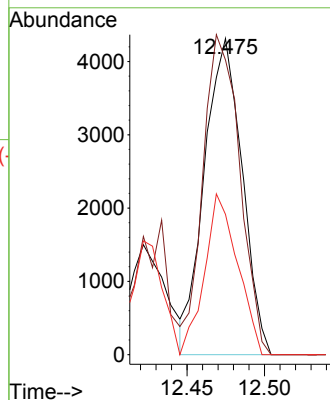
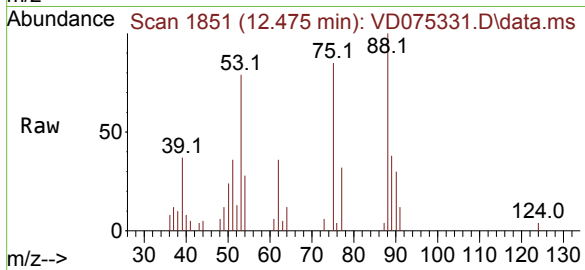




#81
trans-1,4-Dichloro-2-butene
Concen: 53.880 ug/l
RT: 12.475 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

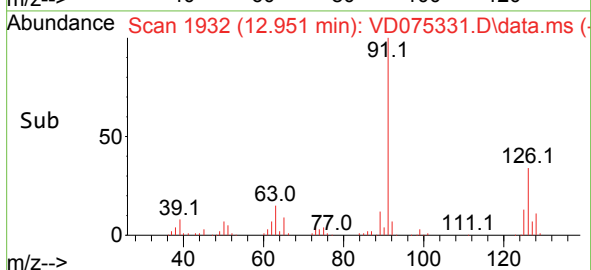
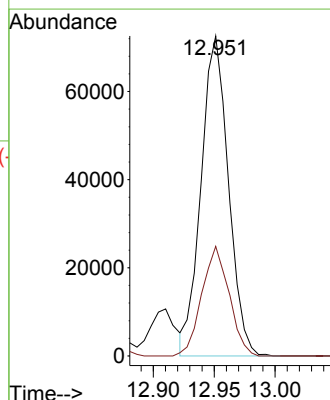
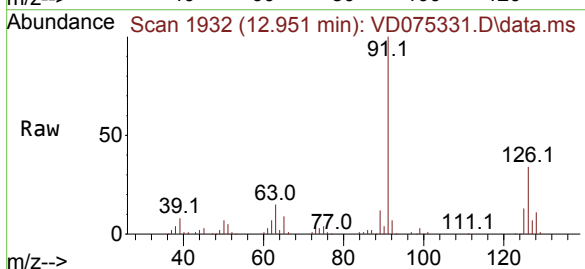
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

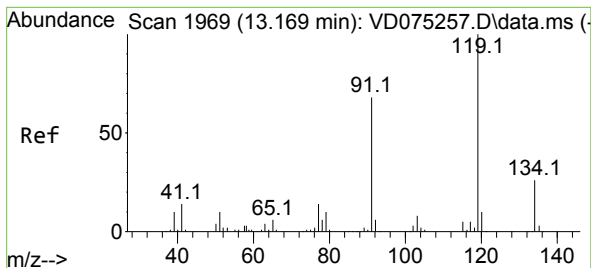
Tgt Ion: 75 Resp: 7290
Ion Ratio Lower Upper
75 100
53 98.5 70.5 105.7
89 44.5 34.6 52.0



#82
4-Chlorotoluene
Concen: 51.008 ug/l
RT: 12.951 min Scan# 1932
Delta R.T. 0.000 min
Lab File: VD075331.D
Acq: 13 Feb 2023 17:15

Tgt Ion: 91 Resp: 113399
Ion Ratio Lower Upper
91 100
126 34.3 17.3 52.0





#83

tert-Butylbenzene

Concen: 52.762 ug/l

RT: 13.169 min Scan# 1969

Delta R.T. -0.000 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

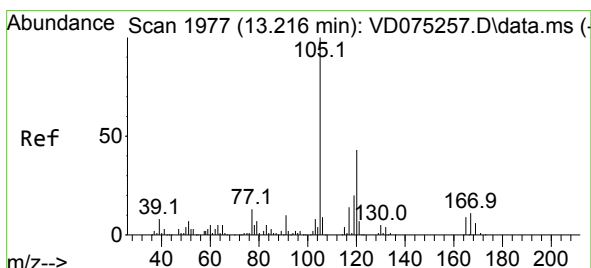
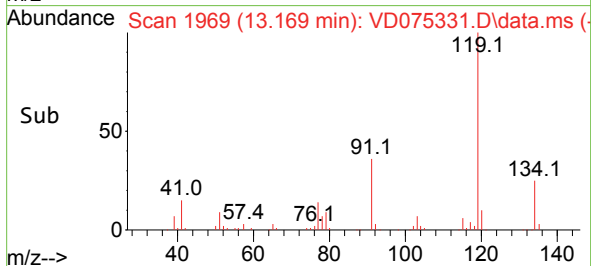
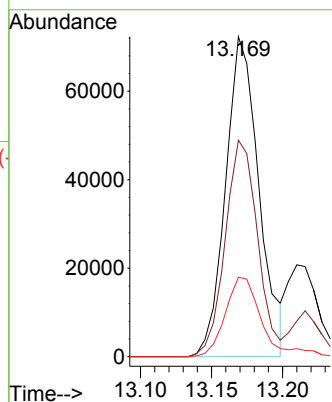
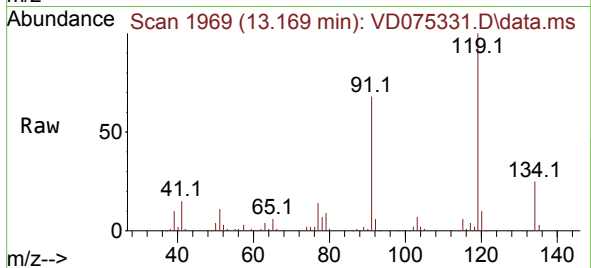
Tgt Ion:119 Resp: 118261

Ion Ratio Lower Upper

119 100

91 65.7 32.9 98.6

134 27.0 13.3 39.8



#84

1,2,4-Trimethylbenzene

Concen: 51.899 ug/l

RT: 13.216 min Scan# 1977

Delta R.T. -0.000 min

Lab File: VD075331.D

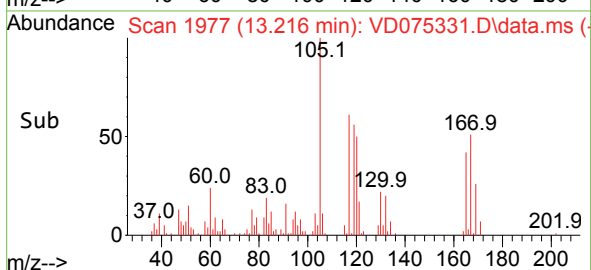
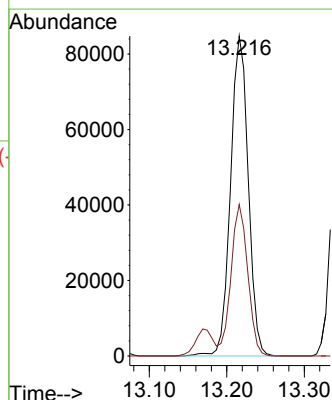
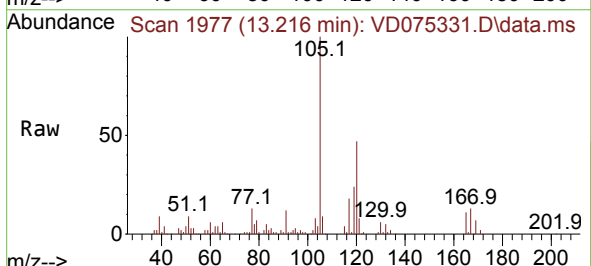
Acq: 13 Feb 2023 17:15

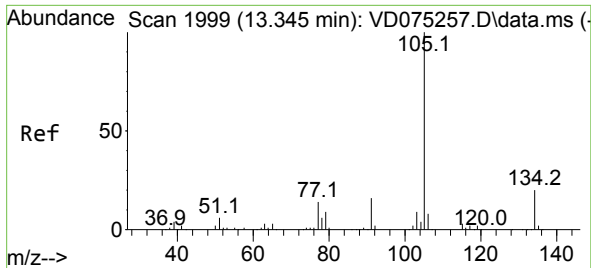
Tgt Ion:105 Resp: 134770

Ion Ratio Lower Upper

105 100

120 44.9 23.2 69.5

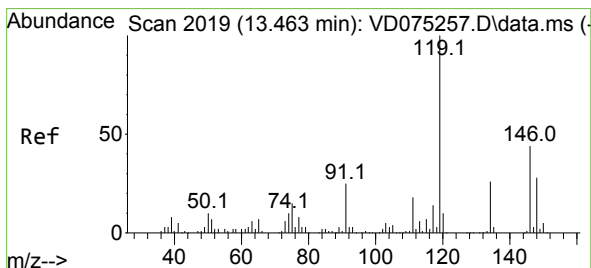
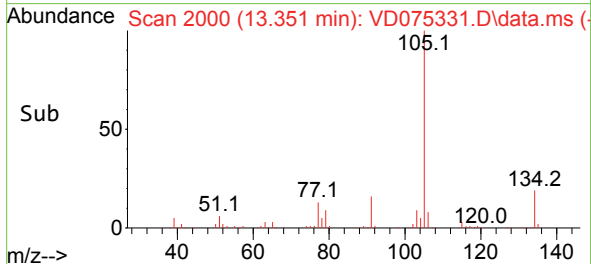
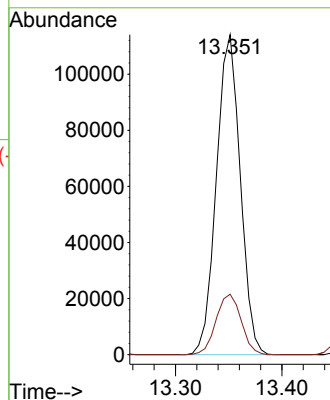
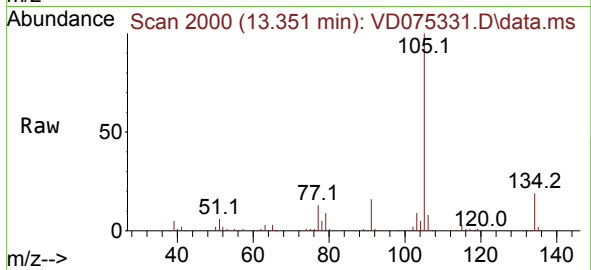




#85
 sec-Butylbenzene
 Concen: 51.558 ug/l
 RT: 13.351 min Scan# 2019
 Delta R.T. 0.006 min
 Lab File: VD075331.D
 Acq: 13 Feb 2023 17:15

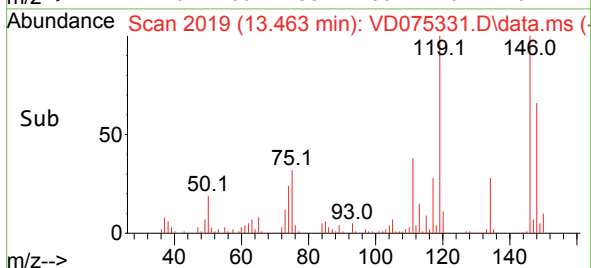
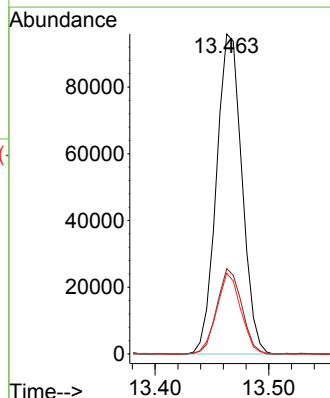
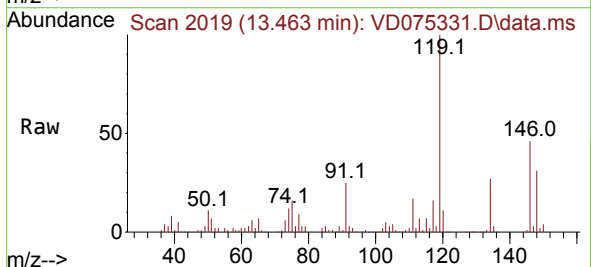
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

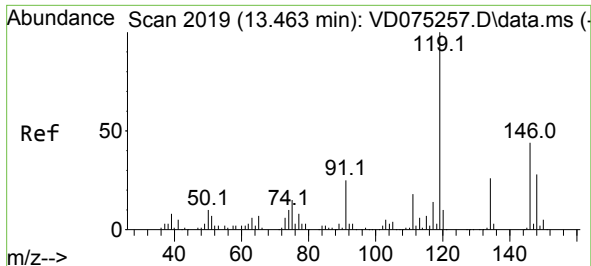
Tgt Ion:105 Resp: 177282
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.4 31.2



#86
 p-Isopropyltoluene
 Concen: 53.229 ug/l
 RT: 13.463 min Scan# 2019
 Delta R.T. -0.000 min
 Lab File: VD075331.D
 Acq: 13 Feb 2023 17:15

Tgt Ion:119 Resp: 149722
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.3 39.8
 91 24.0 11.9 35.5

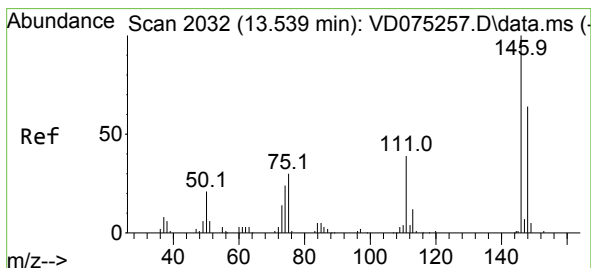
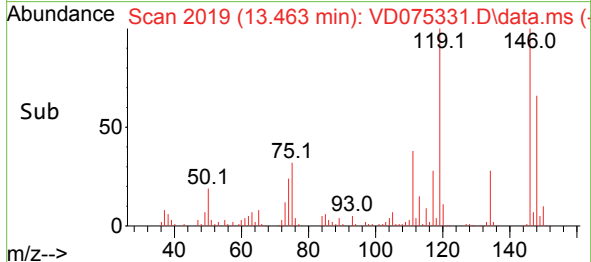
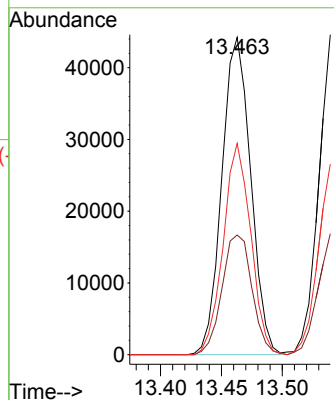
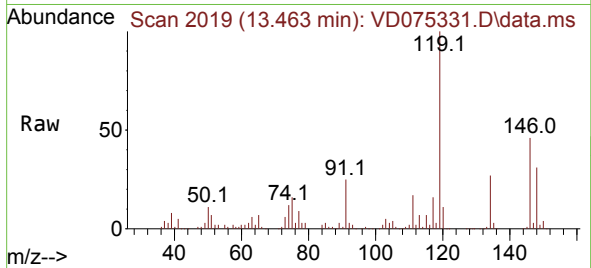




#87
 1,3-Dichlorobenzene
 Concen: 51.095 ug/l
 RT: 13.463 min Scan# 2019
 Delta R.T. -0.000 min
 Lab File: VD075331.D
 Acq: 13 Feb 2023 17:15

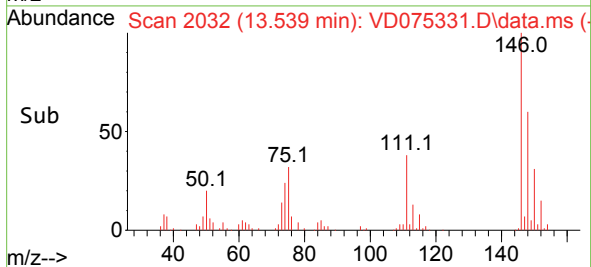
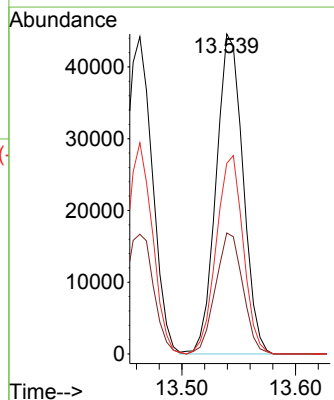
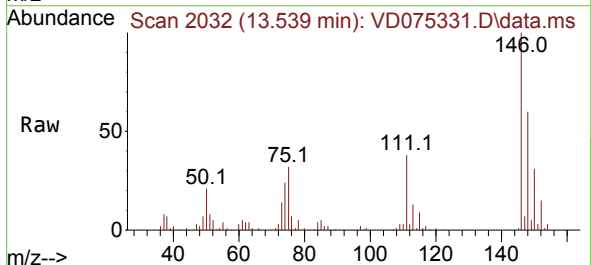
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

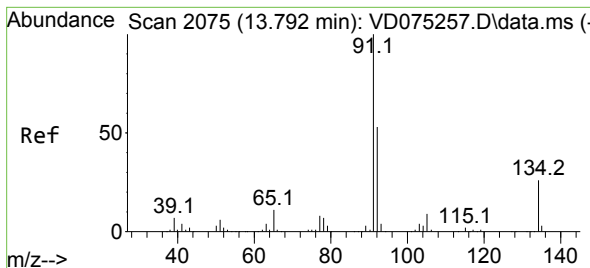
Tgt Ion:146 Resp: 73022
 Ion Ratio Lower Upper
 146 100
 111 39.2 18.9 56.9
 148 63.6 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 51.324 ug/l
 RT: 13.539 min Scan# 2032
 Delta R.T. 0.000 min
 Lab File: VD075331.D
 Acq: 13 Feb 2023 17:15

Tgt Ion:146 Resp: 73394
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.7 59.1
 148 62.2 31.9 95.5





#89

n-Butylbenzene

Concen: 52.298 ug/l

RT: 13.792 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

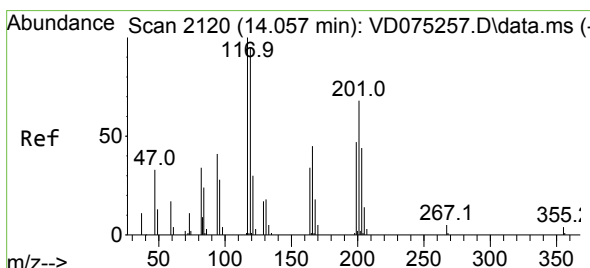
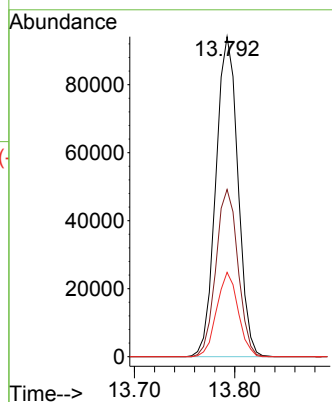
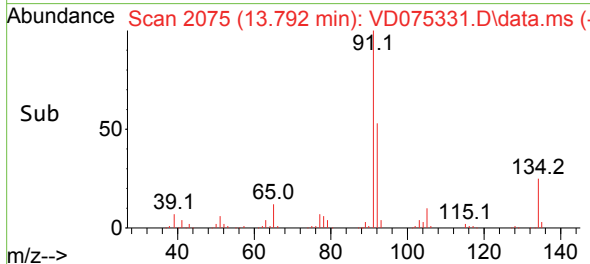
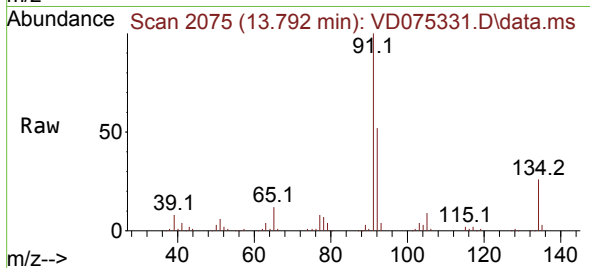
Tgt Ion: 91 Resp: 143614

Ion Ratio Lower Upper

91 100

92 52.2 26.8 80.3

134 25.6 13.3 39.8



#90

Hexachloroethane

Concen: 50.648 ug/l

RT: 14.057 min Scan# 2120

Delta R.T. 0.000 min

Lab File: VD075331.D

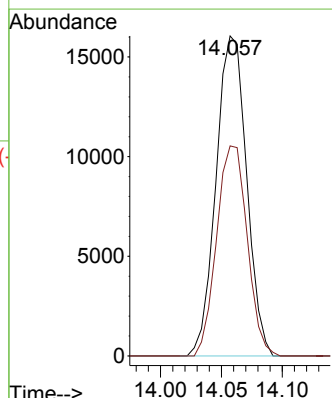
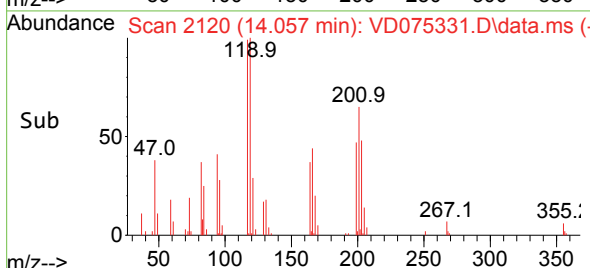
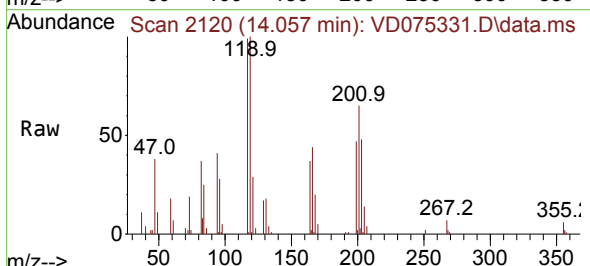
Acq: 13 Feb 2023 17:15

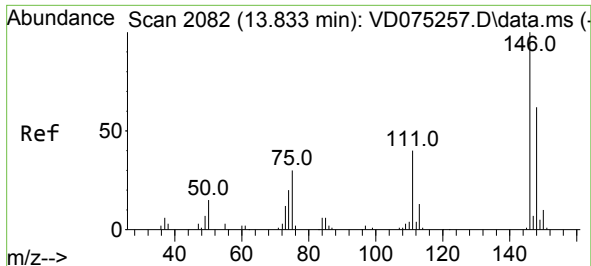
Tgt Ion: 117 Resp: 28086

Ion Ratio Lower Upper

117 100

201 65.6 35.1 105.5





#91

1,2-Dichlorobenzene

Concen: 51.392 ug/l

RT: 13.834 min Scan# 2082

Delta R.T. 0.001 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

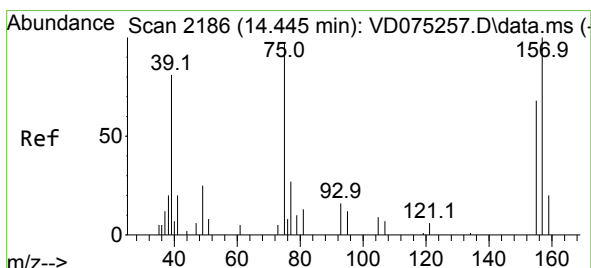
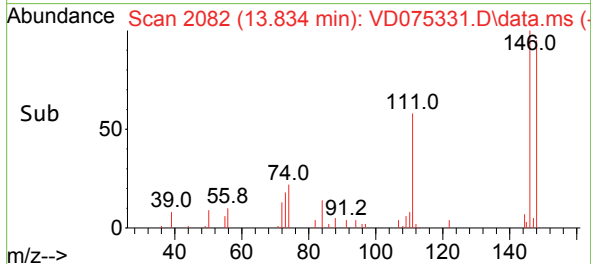
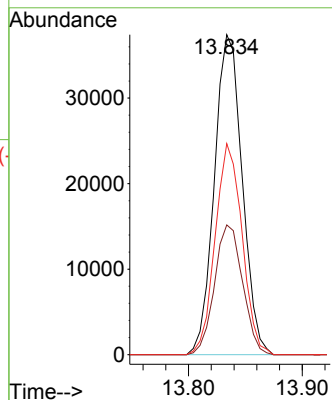
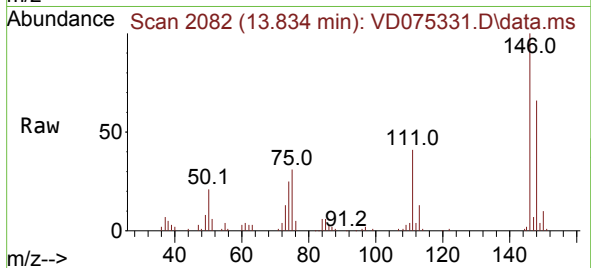
Tgt Ion:146 Resp: 63727

Ion Ratio Lower Upper

146 100

111 40.8 20.4 61.2

148 63.9 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.964 ug/l

RT: 14.451 min Scan# 2187

Delta R.T. 0.006 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

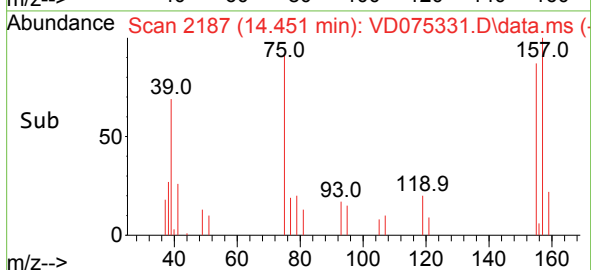
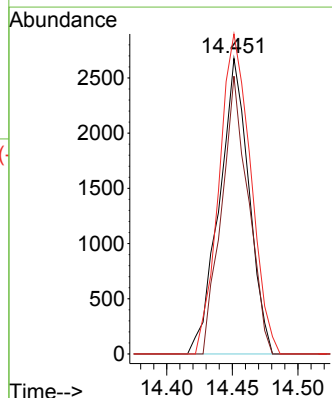
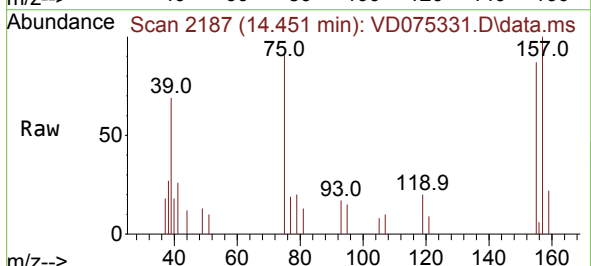
Tgt Ion: 75 Resp: 4210

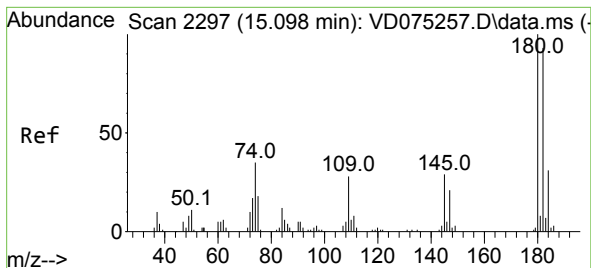
Ion Ratio Lower Upper

75 100

155 84.5 43.4 130.2

157 115.5 56.4 169.2





#93

1,2,4-Trichlorobenzene

Concen: 50.863 ug/l

RT: 15.104 min Scan# 21

Delta R.T. 0.006 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

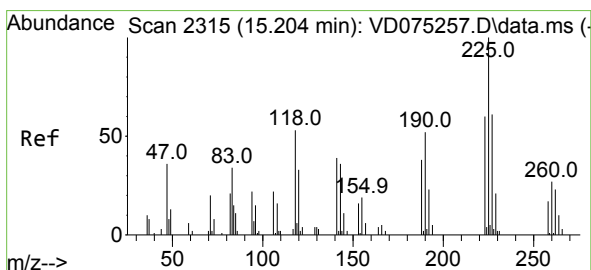
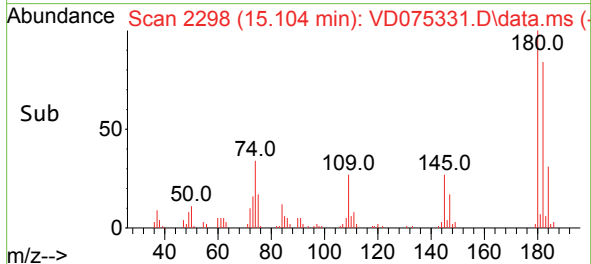
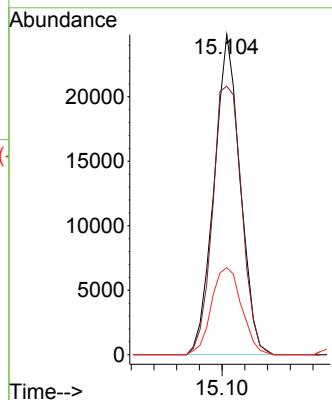
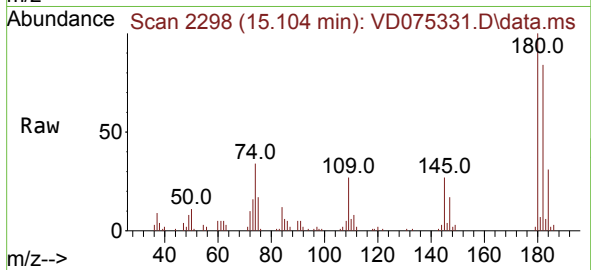
Tgt Ion:180 Resp: 39501

Ion Ratio Lower Upper

180 100

182 94.2 46.2 138.6

145 31.5 15.8 47.4



#94

Hexachlorobutadiene

Concen: 51.157 ug/l

RT: 15.210 min Scan# 2316

Delta R.T. 0.006 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

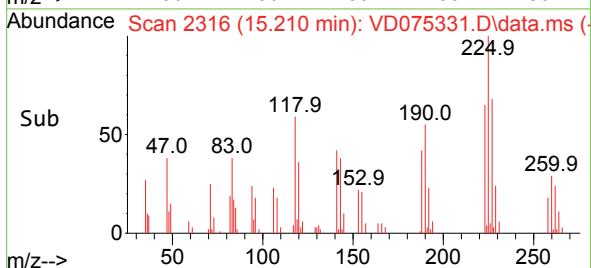
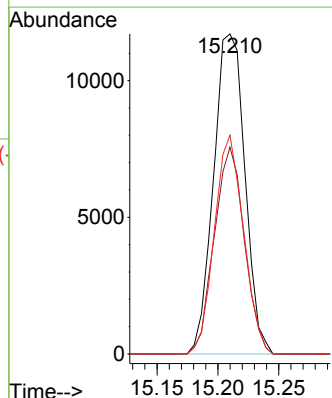
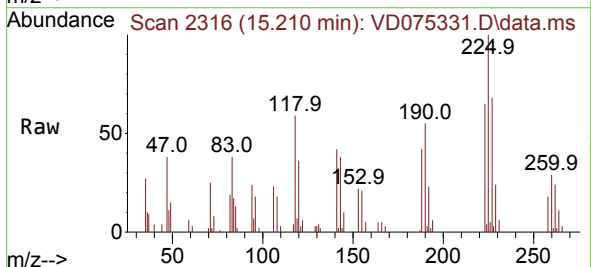
Tgt Ion:225 Resp: 20961

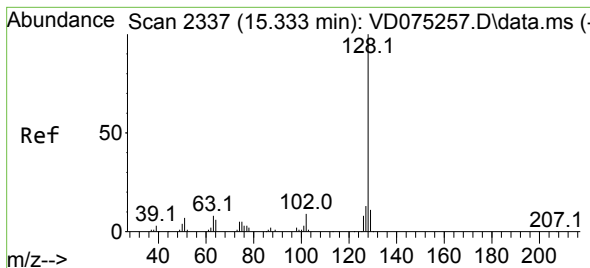
Ion Ratio Lower Upper

225 100

223 61.9 31.8 95.4

227 63.9 30.7 92.1





#95

Naphthalene

Concen: 50.886 ug/l

RT: 15.339 min Scan# 21

Delta R.T. 0.006 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

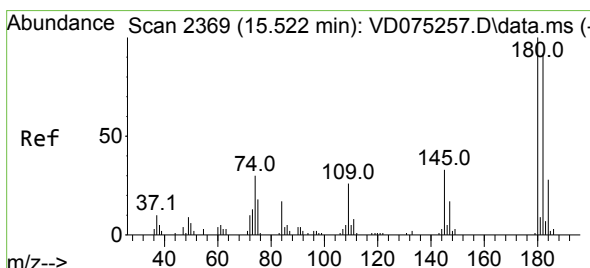
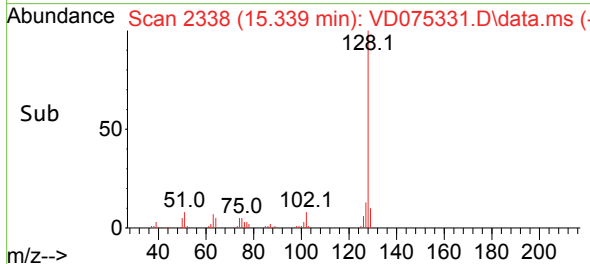
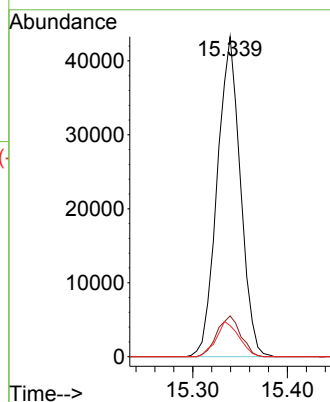
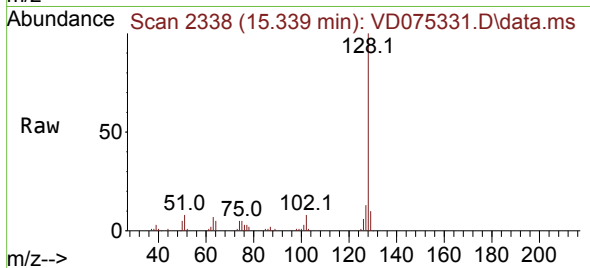
Tgt Ion:128 Resp: 73555

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

129 10.9 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 52.309 ug/l

RT: 15.528 min Scan# 2370

Delta R.T. 0.006 min

Lab File: VD075331.D

Acq: 13 Feb 2023 17:15

Tgt Ion:180 Resp: 35051

Ion Ratio Lower Upper

180 100

182 92.6 47.0 141.0

145 32.9 16.1 48.3

