

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031921\
 Data File : VX021287.D
 Acq On : 18 Mar 2021 19:17
 Operator : JC/MD
 Sample : M1715-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 210317058-01-VOA

Quant Time: Mar 19 02:53:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X031221W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 12 12:55:27 2021
 Response via : Initial Calibration

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

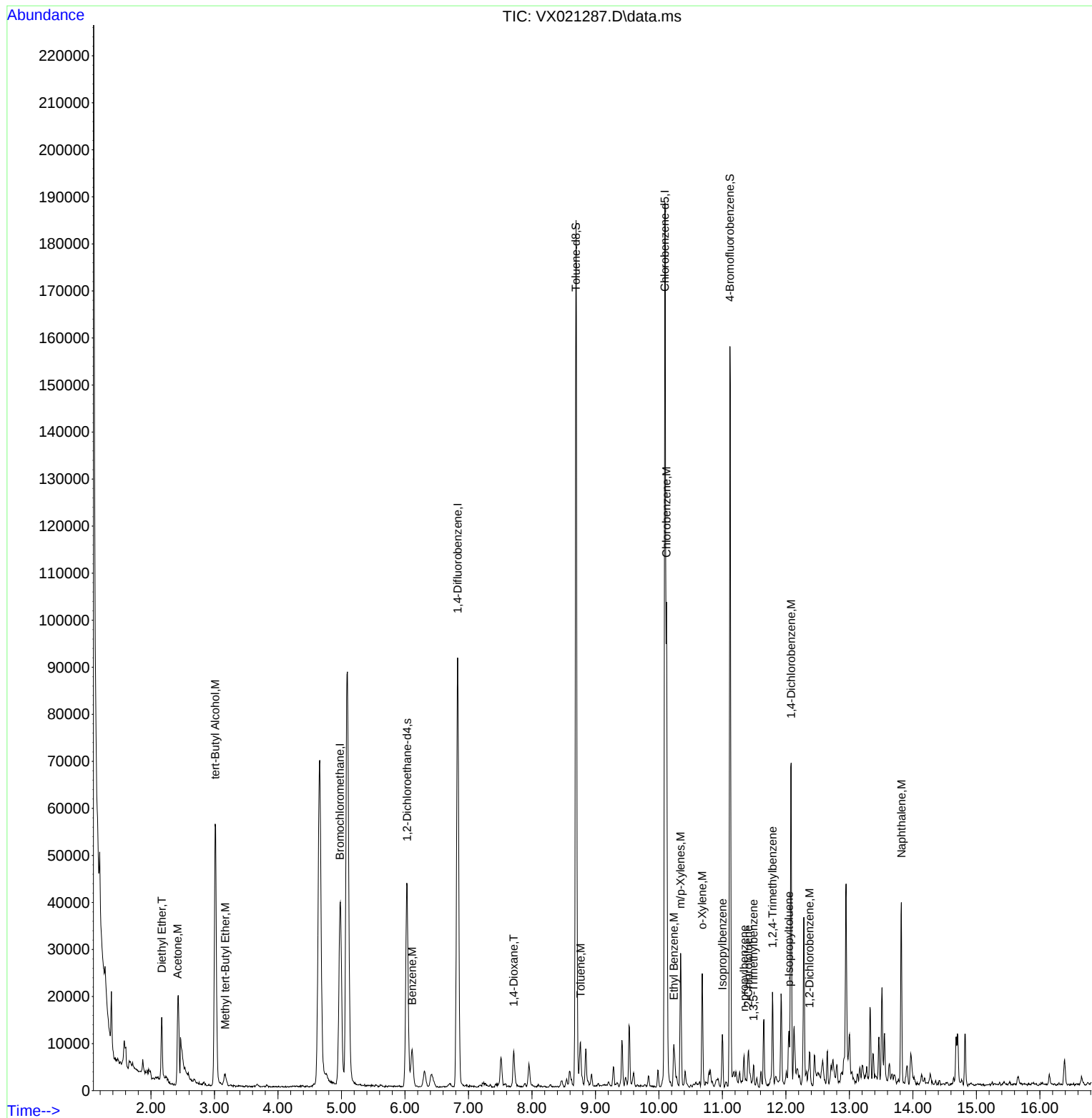
Internal Standards						
1) Bromochloromethane	4.976	128	15883	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.829	114	83880	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.094	117	75879	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.035	65	43050	29.45	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.17%		
60) 4-Bromofluorobenzene	11.118	95	40694	29.33	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	97.77%		
63) Toluene-d8	8.694	98	102586	29.80	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.33%		
Target Compounds						Qvalue
8) Diethyl Ether	2.170	74	3973	6.97	ug/l	65
15) Acetone	2.417	58	2717	18.16	ug/l	80
23) tert-Butyl Alcohol	3.011	59	61188	246.58	ug/l #	100
24) Methyl tert-Butyl Ether	3.170	73	2436	0.72	ug/l #	56
34) Benzene	6.111	78	8374	2.09	ug/l #	91
45) 1,4-Dioxane	7.711	88	4960	204.90	ug/l #	87
62) Toluene	8.765	91	3987	0.95	ug/l	97
64) Chlorobenzene	10.118	112	36420	14.01	ug/l	95
66) Ethyl Benzene	10.235	91	4678	0.97	ug/l	97
67) m/p-Xylenes	10.341	106	5477	3.15	ug/l	99
68) o-Xylene	10.682	106	4476	2.65	ug/l	92
70) Isopropylbenzene	11.000	105	4829	1.05	ug/l	98
74) n-propylbenzene	11.341	91	1631	0.30	ug/l	96
75) 2-Chlorotoluene	11.406	91	2549	0.77	ug/l	92
76) 1,3,5-Trimethylbenzene	11.488	105	1600	0.41	ug/l	88
80) 1,2,4-Trimethylbenzene	11.788	105	7793	1.98	ug/l	97
82) p-Isopropyltoluene	12.047	119	1903	0.48	ug/l	83
84) 1,4-Dichlorobenzene	12.083	146	20065	10.23	ug/l	97
87) 1,2-Dichlorobenzene	12.371	146	1362	0.71	ug/l	92
91) Naphthalene	13.818	128	21814	5.60	ug/l	100

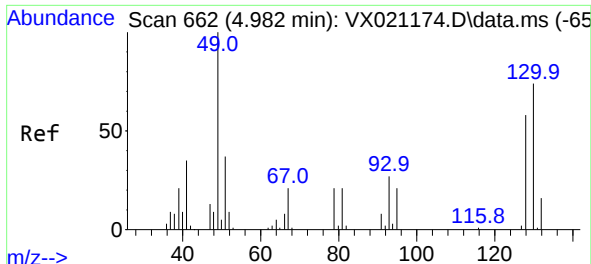
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 12 12:55:27 2021
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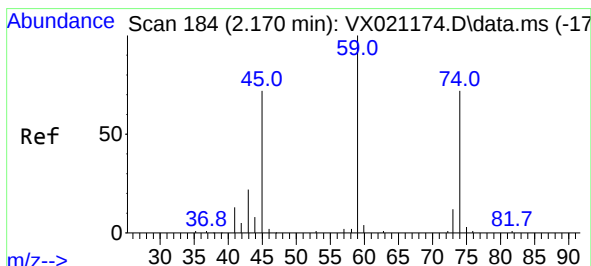
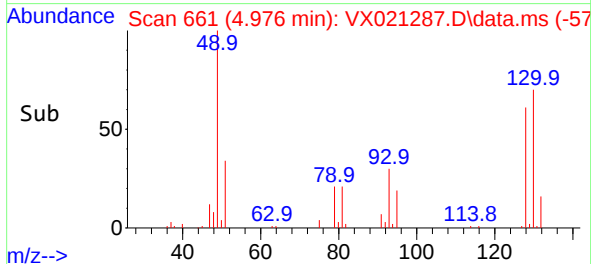
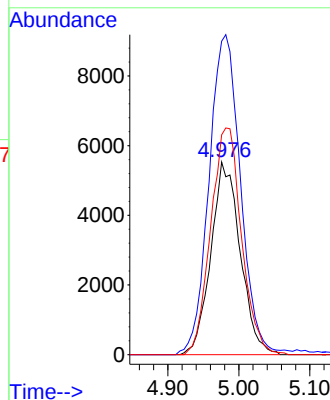
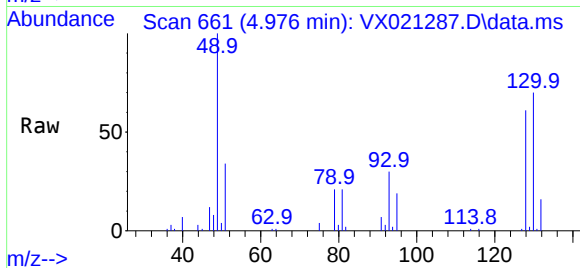




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.976 min Scan# 661
Delta R.T. -0.006 min
Lab File: VX021287.D
Acq: 18 Mar 2021 19:17

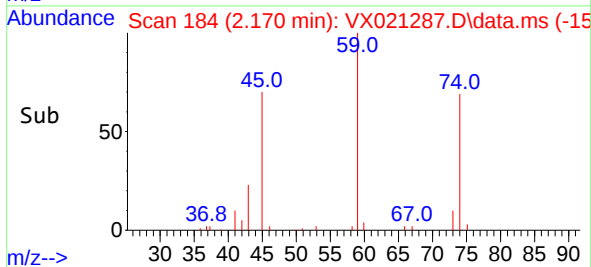
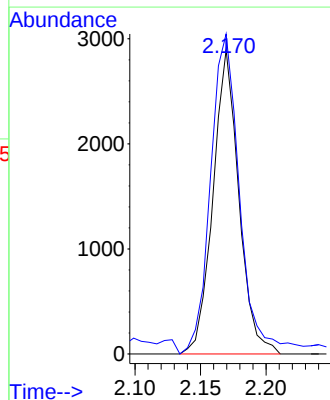
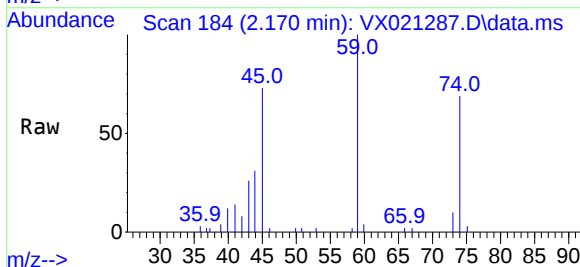
Instrument :
MSVOA_X
ClientSampleId :
210317058-01-VOA

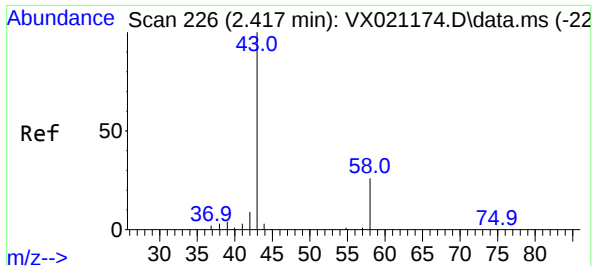
Tgt Ion:128 Resp: 15883
Ion Ratio Lower Upper
128 100
49 177.3 0.0 367.5
130 123.4 0.0 318.8



#8
Diethyl Ether
Concen: 6.97 ug/l
RT: 2.170 min Scan# 184
Delta R.T. -0.000 min
Lab File: VX021287.D
Acq: 18 Mar 2021 19:17

Tgt Ion: 74 Resp: 3973
Ion Ratio Lower Upper
74 100
45 119.0 17.3 155.7

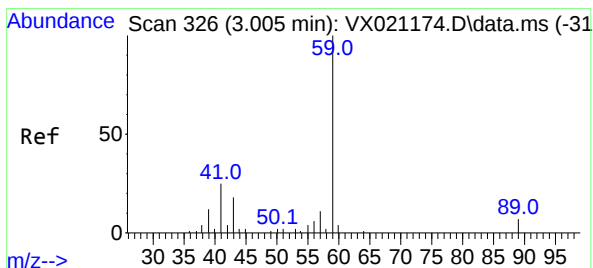
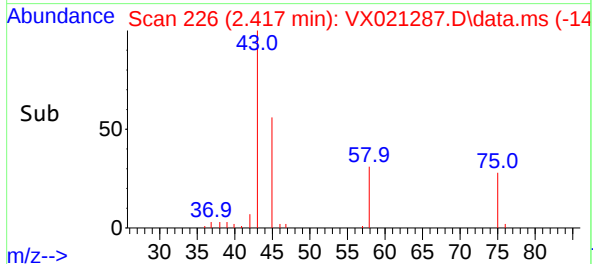
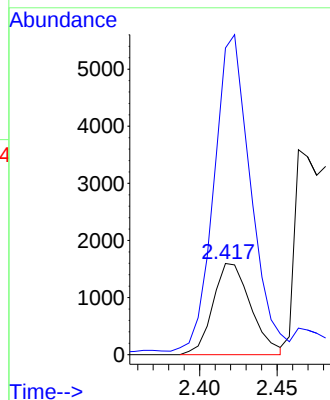
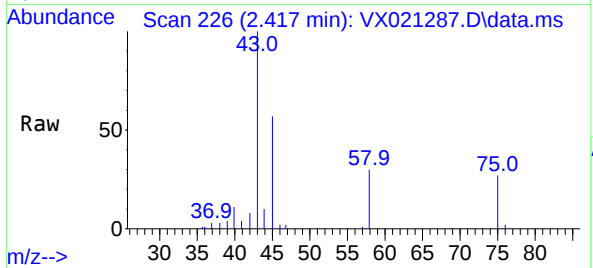




#15
Acetone
Concen: 18.16 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.000 min
Lab File: VX021287.D
Acq: 18 Mar 2021 19:17

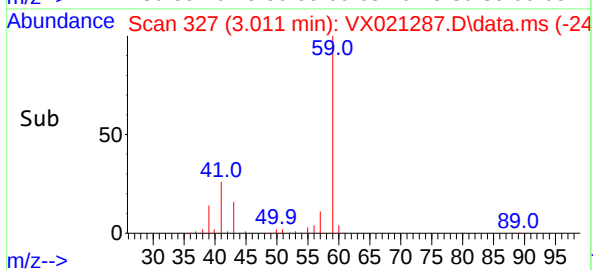
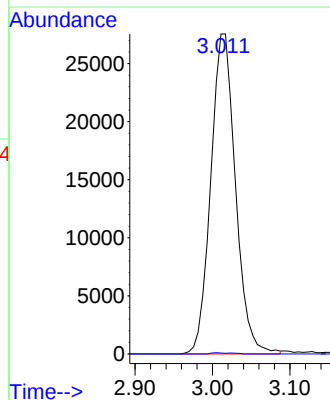
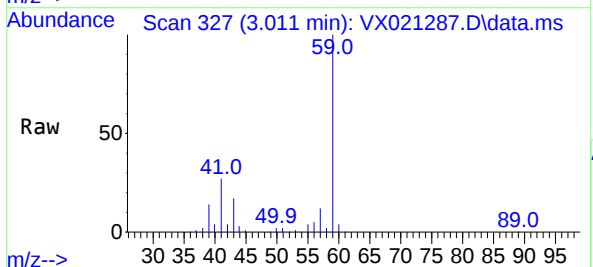
Instrument :
MSVOA_X
ClientSampleId :
210317058-01-VOA

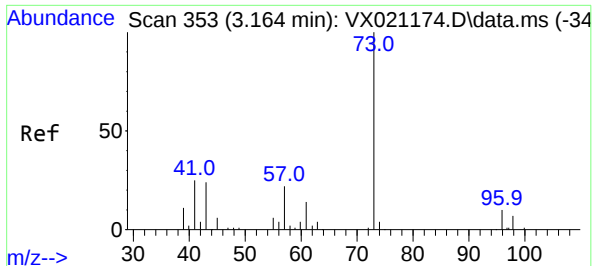
Tgt Ion: 58 Resp: 2717
Ion Ratio Lower Upper
58 100
43 329.0 232.6 348.8



#23
tert-Butyl Alcohol
Concen: 246.58 ug/l
RT: 3.011 min Scan# 327
Delta R.T. 0.006 min
Lab File: VX021287.D
Acq: 18 Mar 2021 19:17

Tgt Ion: 59 Resp: 61188
Ion Ratio Lower Upper
59 100
52 0.2 0.1 0.1#

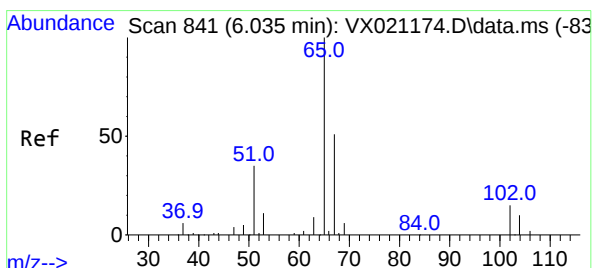
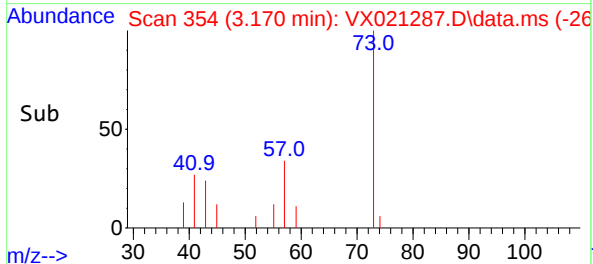
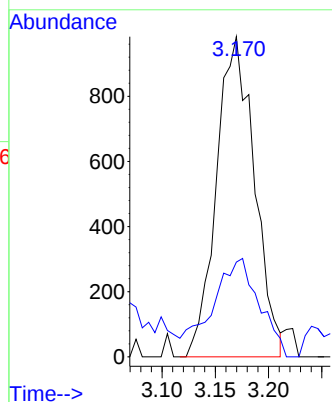
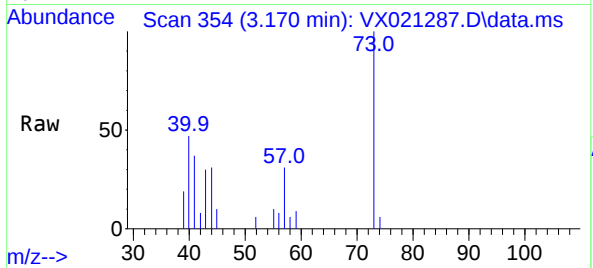




#24
Methyl tert-Butyl Ether
Concen: 0.72 ug/l
RT: 3.170 min Scan# 354
Delta R.T. 0.006 min
Lab File: VX021287.D
Acq: 18 Mar 2021 19:17

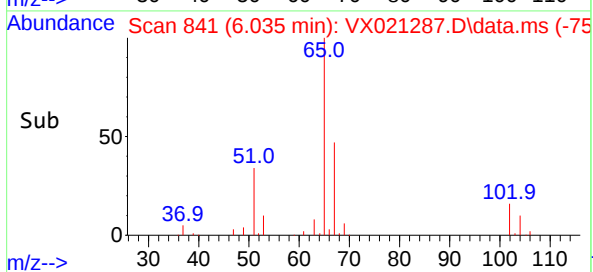
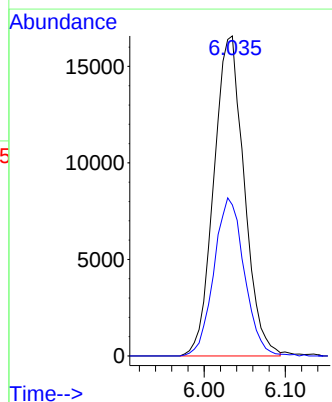
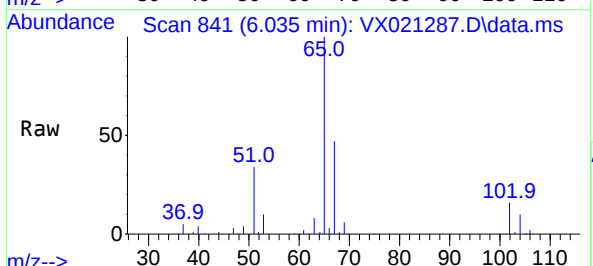
Instrument :
MSVOA_X
ClientSampleId :
210317058-01-VOA

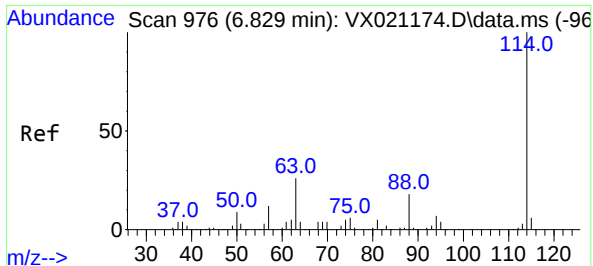
Tgt Ion: 73 Resp: 2436
Ion Ratio Lower Upper
73 100
43 38.1 14.9 22.3#



#27
1,2-Dichloroethane-d4
Concen: 29.45 ug/l
RT: 6.035 min Scan# 841
Delta R.T. -0.000 min
Lab File: VX021287.D
Acq: 18 Mar 2021 19:17

Tgt Ion: 65 Resp: 43050
Ion Ratio Lower Upper
65 100
67 49.5 41.9 62.9



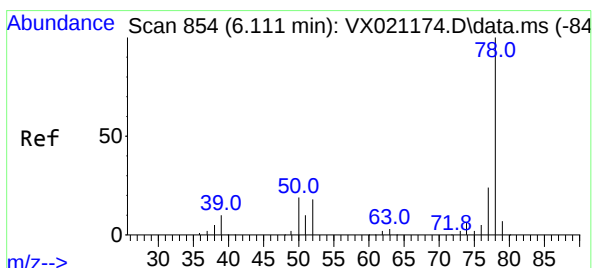
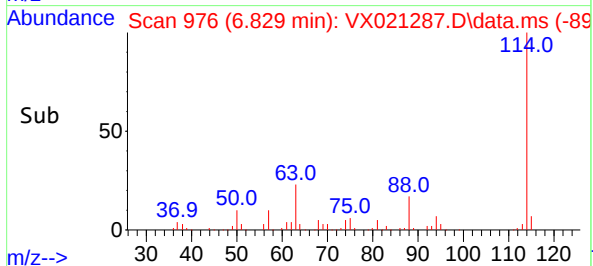
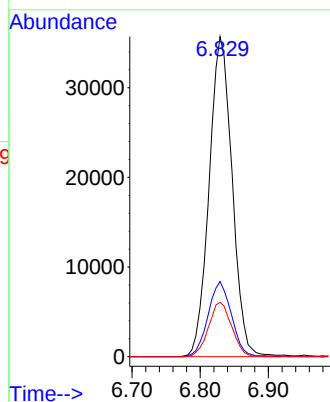
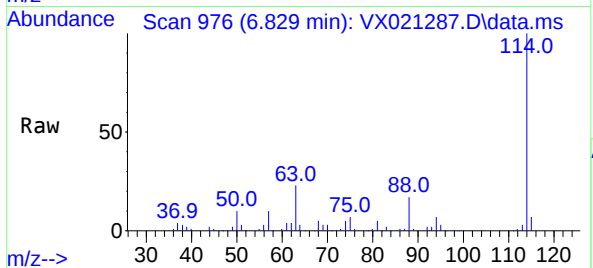


#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021287.D
Acq: 18 Mar 2021 19:17

Instrument :
MSVOA_X
ClientSampleId :
210317058-01-VOA

Tgt Ion:114 Resp: 83880

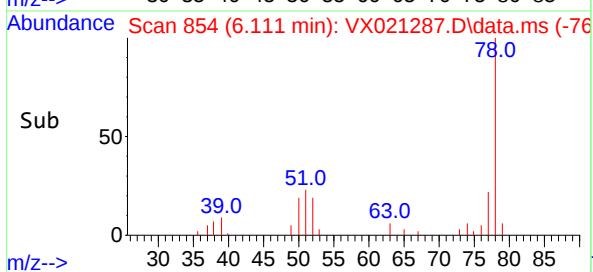
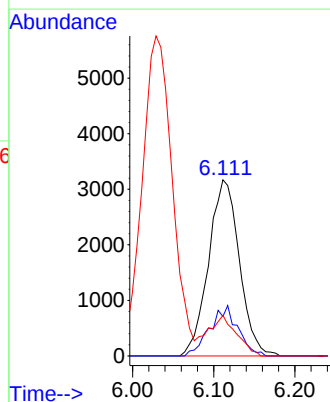
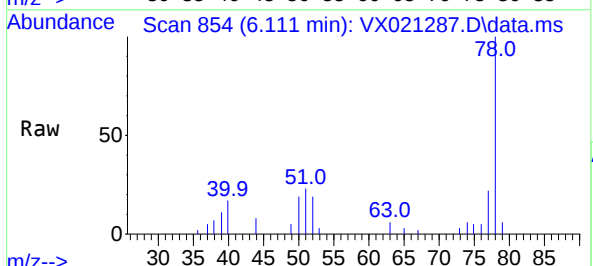
Ion	Ratio	Lower	Upper
114	100		
63	23.7	16.2	24.2
88	17.0	13.0	19.6

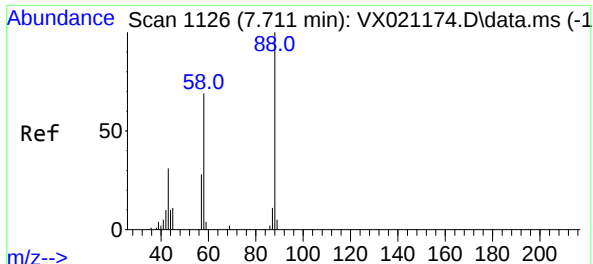


#34
Benzene
Concen: 2.09 ug/l
RT: 6.111 min Scan# 854
Delta R.T. 0.000 min
Lab File: VX021287.D
Acq: 18 Mar 2021 19:17

Tgt Ion: 78 Resp: 8374

Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.0	28.4
51	23.0	12.5	18.7#

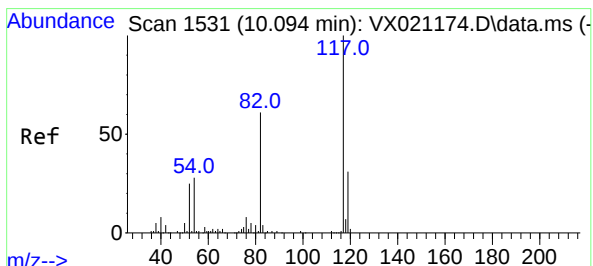
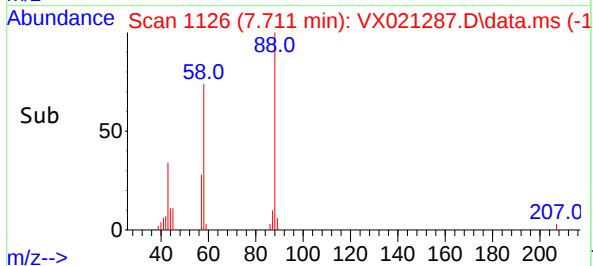
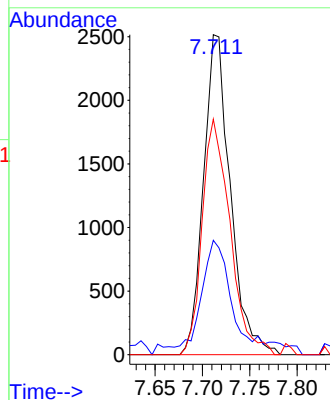
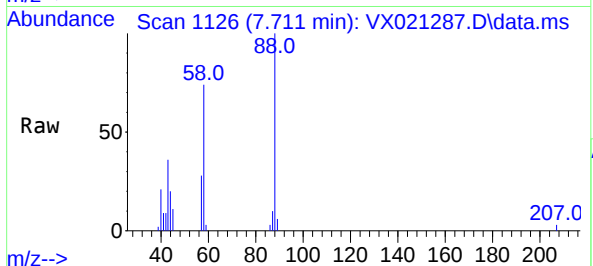




#45
1,4-Dioxane
Concen: 204.90 ug/l
RT: 7.711 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VX021287.D
Acq: 18 Mar 2021 19:17

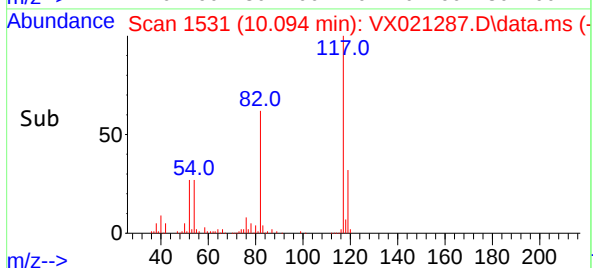
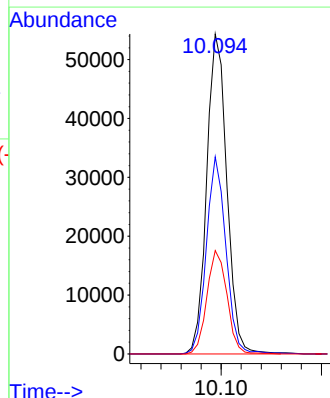
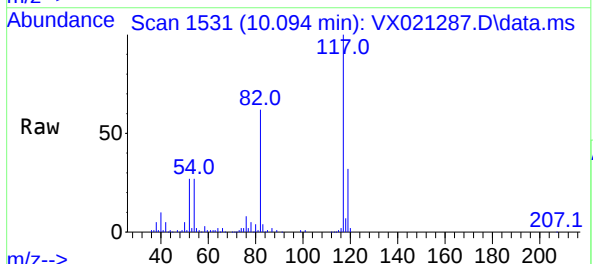
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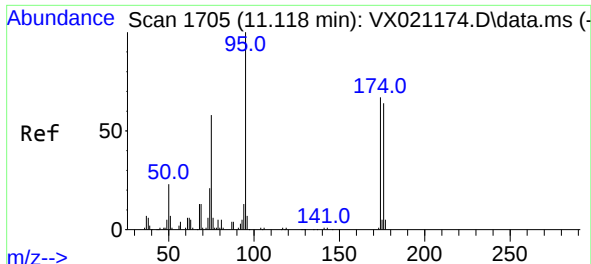
Tgt Ion:	88	Resp:	4960
Ion	Ratio	Lower	Upper
88	100		
43	36.3	22.2	33.2#
58	76.6	53.9	80.9



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021287.D
Acq: 18 Mar 2021 19:17

Tgt Ion:	117	Resp:	75879
Ion	Ratio	Lower	Upper
117	100		
82	59.2	45.0	67.6
119	32.3	25.6	38.4

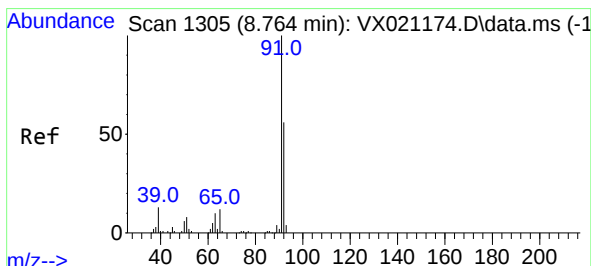
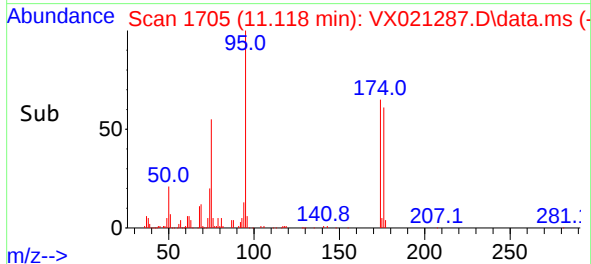
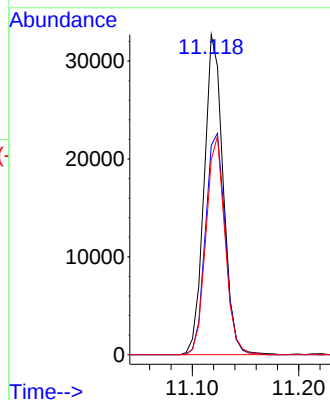
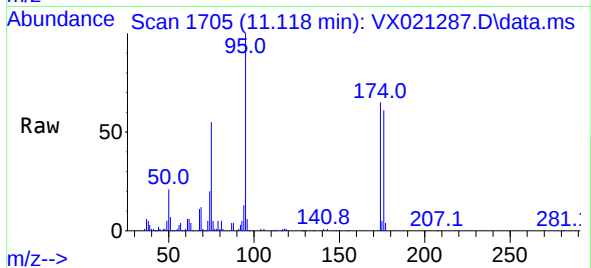




#60
4-Bromofluorobenzene
Concen: 29.33 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021287.D
Acq: 18 Mar 2021 19:17

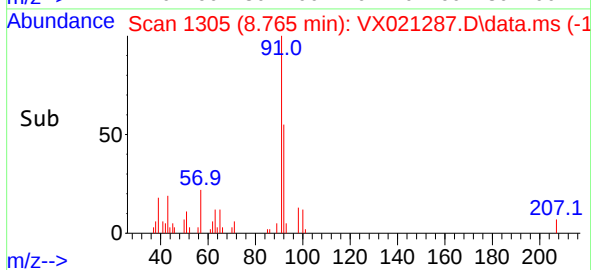
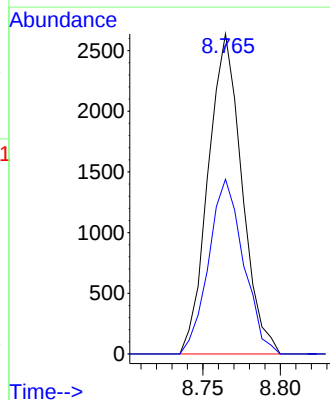
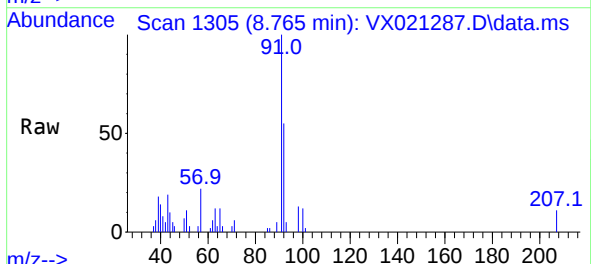
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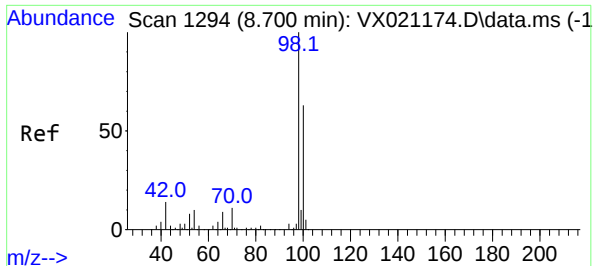
Tgt Ion:	95	Resp:	40694
Ion	Ratio	Lower	Upper
95	100		
174	71.9	63.0	94.4
176	68.0	59.9	89.9



#62
Toluene
Concen: 0.95 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. 0.000 min
Lab File: VX021287.D
Acq: 18 Mar 2021 19:17

Tgt Ion:	91	Resp:	3987
Ion	Ratio	Lower	Upper
91	100		
92	56.5	47.2	70.8

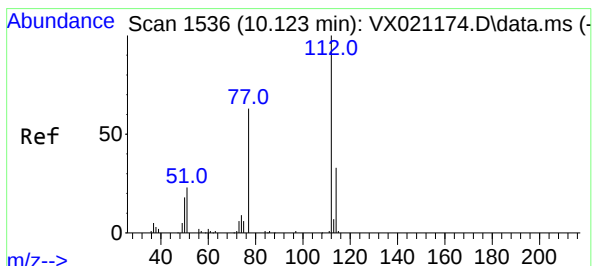
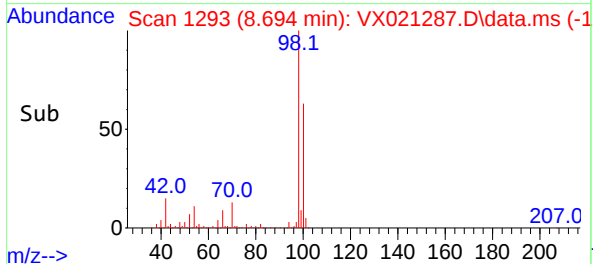
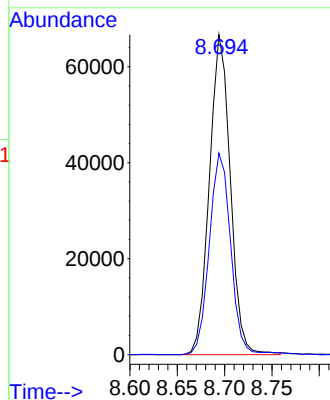
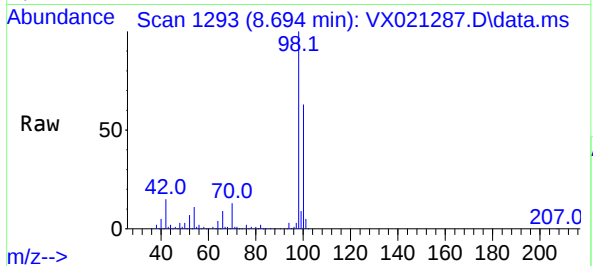




#63
Toluene-d8
Concen: 29.80 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.006 min
Lab File: VX021287.D
Acq: 18 Mar 2021 19:17

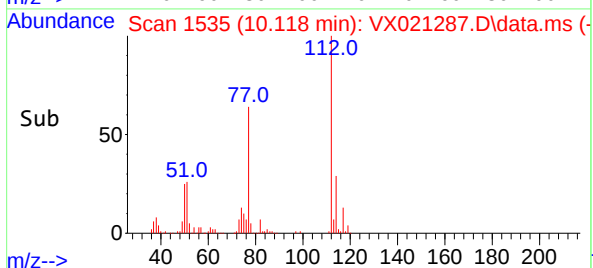
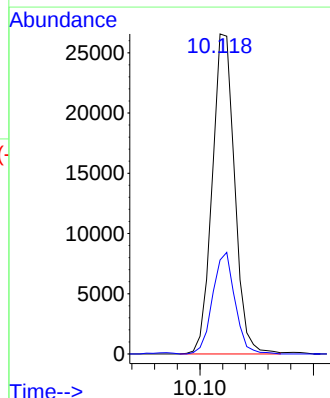
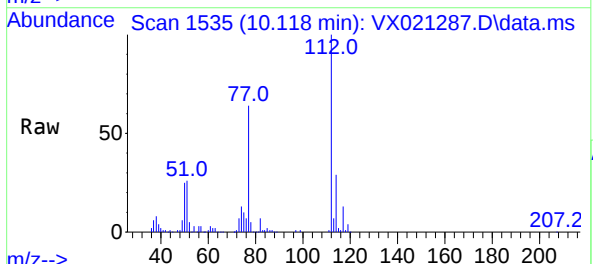
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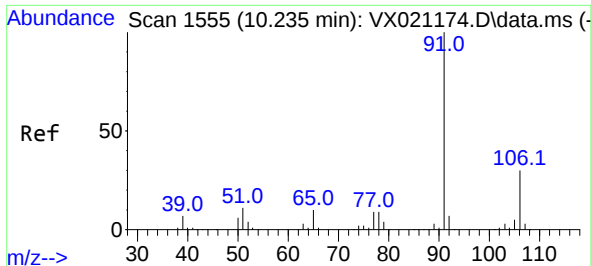
Tgt Ion: 98 Resp: 102586
Ion Ratio Lower Upper
98 100
100 63.7 53.0 79.4



#64
Chlorobenzene
Concen: 14.01 ug/l
RT: 10.118 min Scan# 1535
Delta R.T. -0.006 min
Lab File: VX021287.D
Acq: 18 Mar 2021 19:17

Tgt Ion:112 Resp: 36420
Ion Ratio Lower Upper
112 100
114 29.3 25.7 38.5

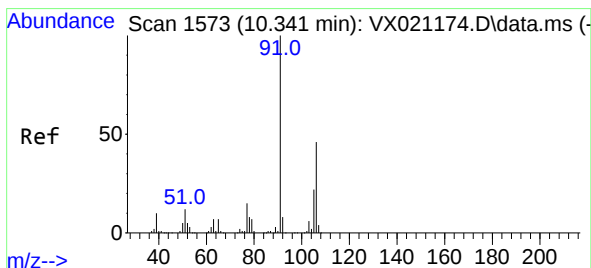
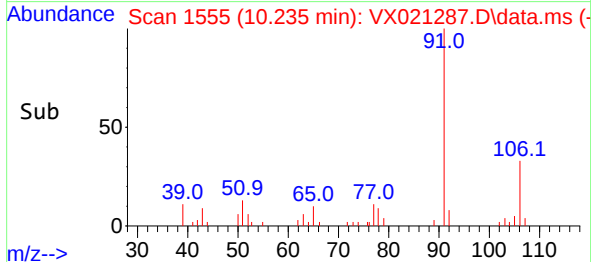
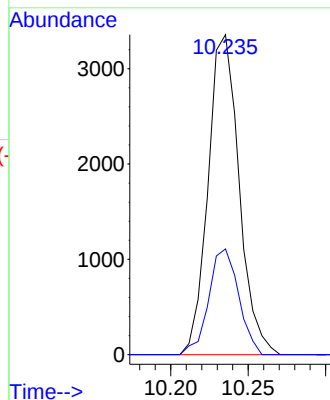
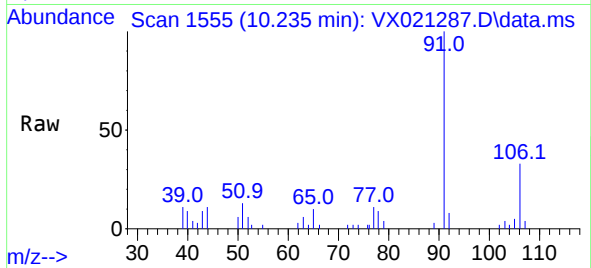




#66
Ethyl Benzene
Concen: 0.97 ug/l
RT: 10.235 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VX021287.D
Acq: 18 Mar 2021 19:17

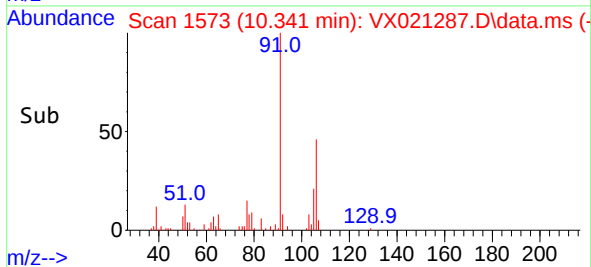
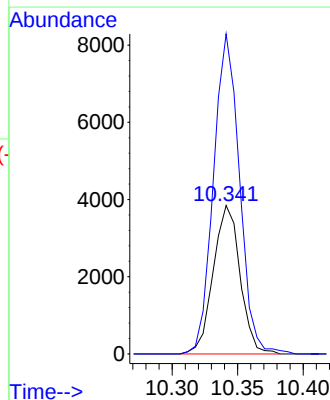
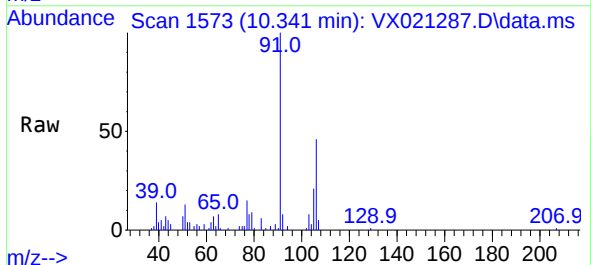
Instrument :
MSVOA_X
ClientSampleId :
210317058-01-VOA

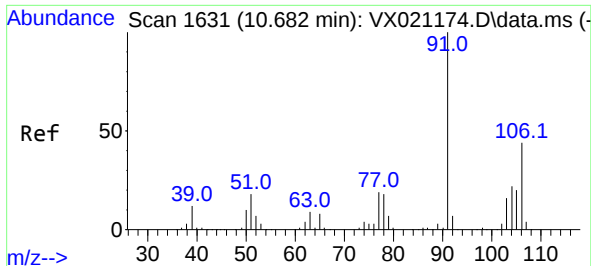
Tgt Ion: 91 Resp: 4678
Ion Ratio Lower Upper
91 100
106 33.1 25.0 37.4



#67
m/p-Xylenes
Concen: 3.15 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VX021287.D
Acq: 18 Mar 2021 19:17

Tgt Ion: 106 Resp: 5477
Ion Ratio Lower Upper
106 100
91 206.9 164.0 246.0

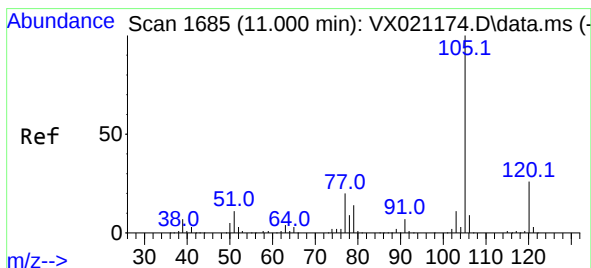
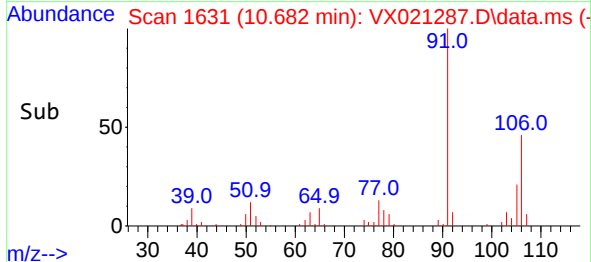
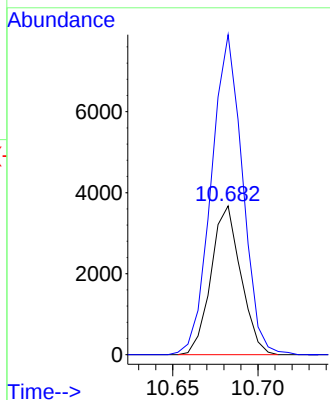
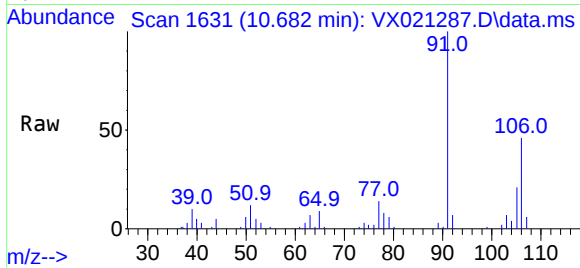




#68
o-Xylene
Concen: 2.65 ug/l
RT: 10.682 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VX021287.D
Acq: 18 Mar 2021 19:17

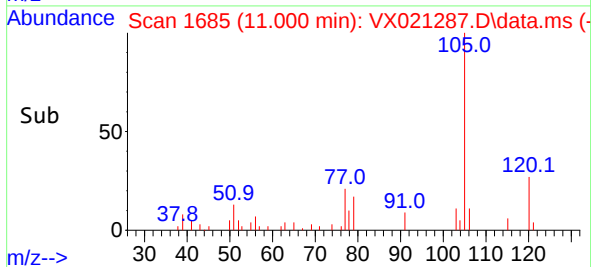
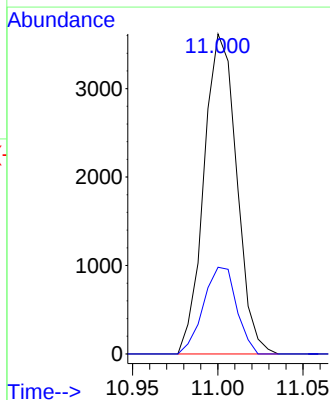
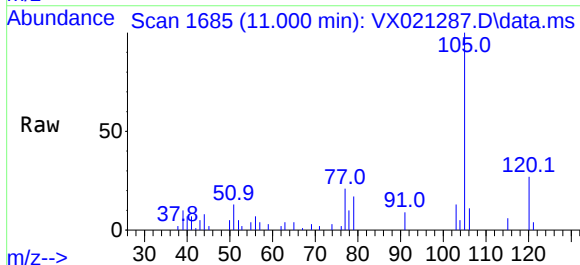
Instrument :
MSVOA_X
ClientSampleId :
210317058-01-VOA

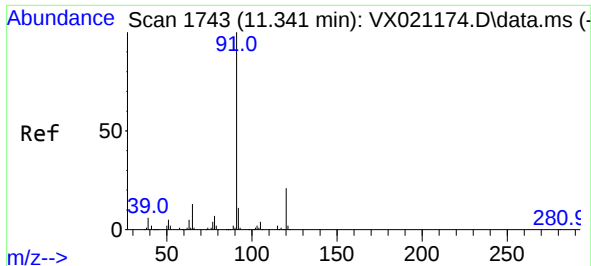
Tgt Ion:106 Resp: 4476
Ion Ratio Lower Upper
106 100
91 225.4 106.5 319.6



#70
Isopropylbenzene
Concen: 1.05 ug/l
RT: 11.000 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX021287.D
Acq: 18 Mar 2021 19:17

Tgt Ion:105 Resp: 4829
Ion Ratio Lower Upper
105 100
120 27.4 18.4 34.2

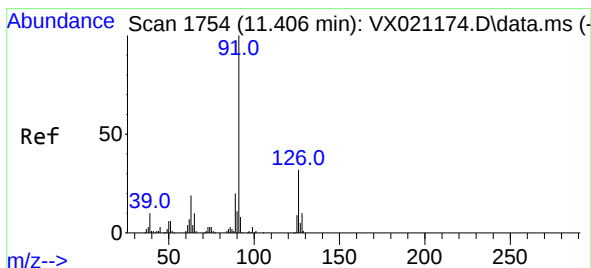
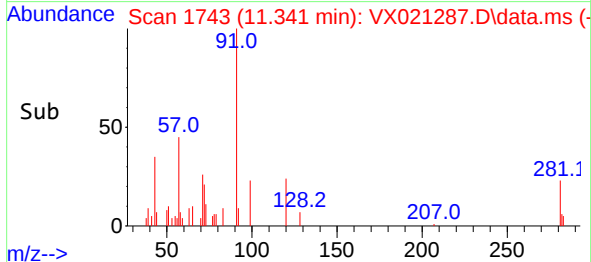
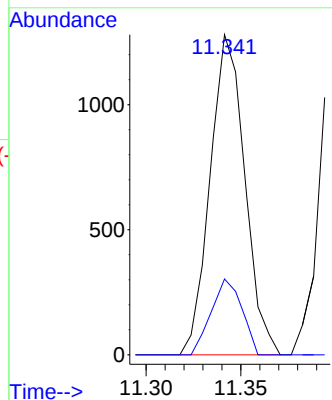
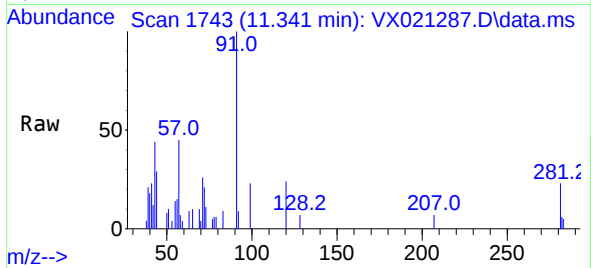




#74
n-propylbenzene
Concen: 0.30 ug/l
RT: 11.341 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX021287.D
Acq: 18 Mar 2021 19:17

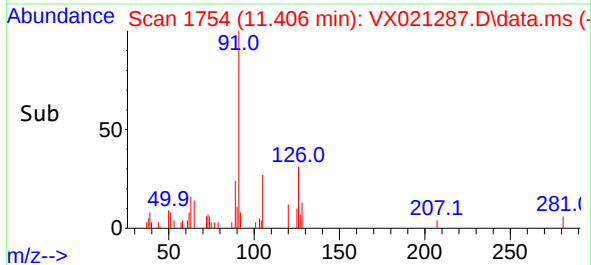
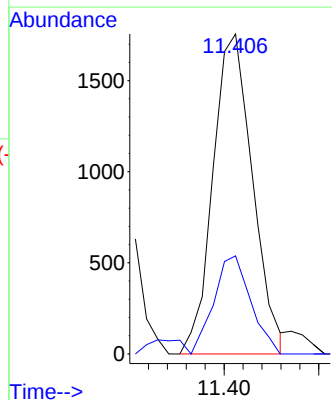
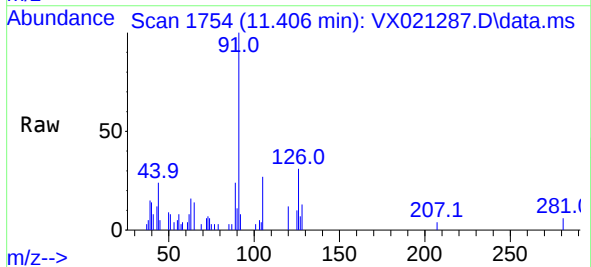
Instrument :
MSVOA_X
ClientSampleId :
210317058-01-VOA

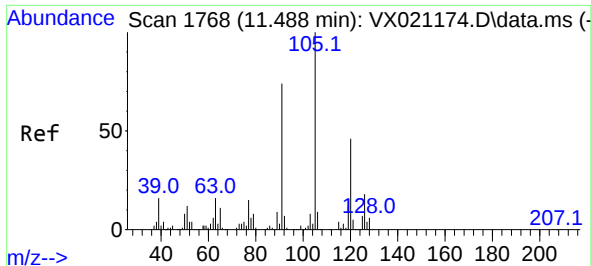
Tgt Ion: 91 Resp: 1631
Ion Ratio Lower Upper
91 100
120 20.9 0.0 45.8



#75
2-Chlorotoluene
Concen: 0.77 ug/l
RT: 11.406 min Scan# 1754
Delta R.T. 0.000 min
Lab File: VX021287.D
Acq: 18 Mar 2021 19:17

Tgt Ion: 91 Resp: 2549
Ion Ratio Lower Upper
91 100
126 28.6 0.0 66.6

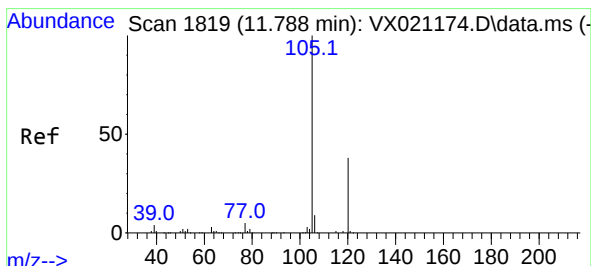
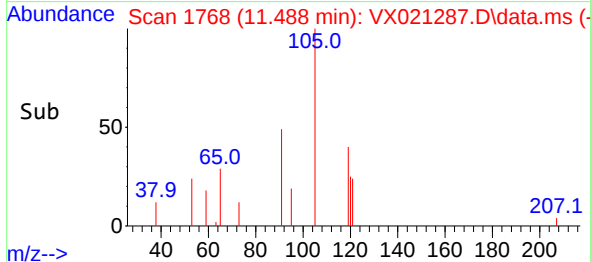
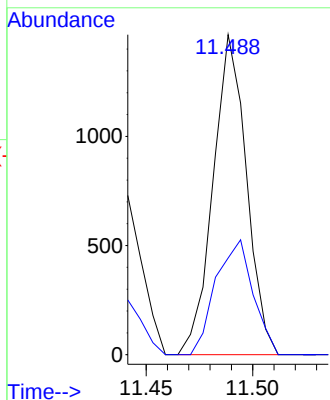
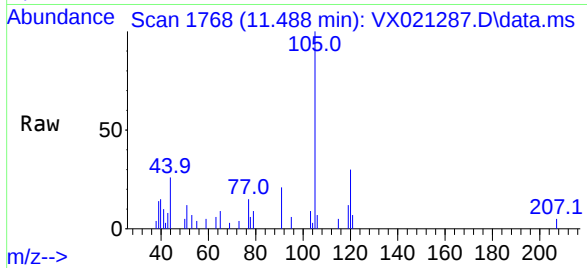




#76
1,3,5-Trimethylbenzene
Concen: 0.41 ug/l
RT: 11.488 min Scan# 1768
Delta R.T. 0.000 min
Lab File: VX021287.D
Acq: 18 Mar 2021 19:17

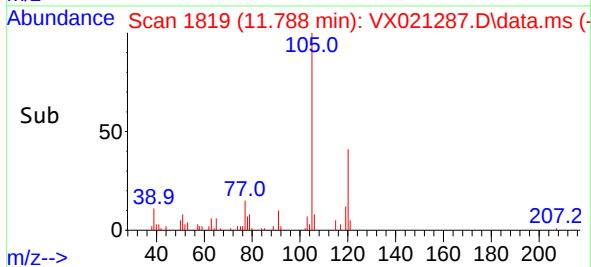
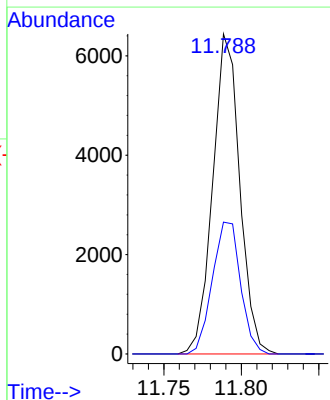
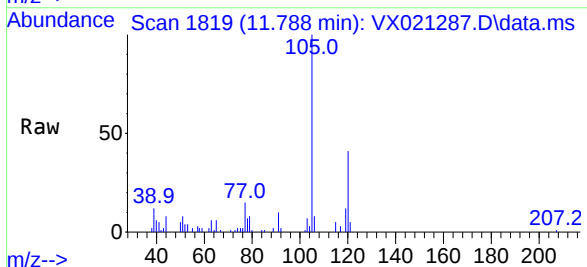
Instrument :
MSVOA_X
ClientSampleId :
210317058-01-VOA

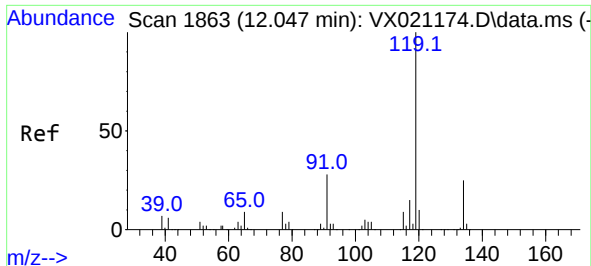
Tgt Ion:105 Resp: 1600
Ion Ratio Lower Upper
105 100
120 40.1 0.0 96.2



#80
1,2,4-Trimethylbenzene
Concen: 1.98 ug/l
RT: 11.788 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VX021287.D
Acq: 18 Mar 2021 19:17

Tgt Ion:105 Resp: 7793
Ion Ratio Lower Upper
105 100
120 43.1 0.0 89.8

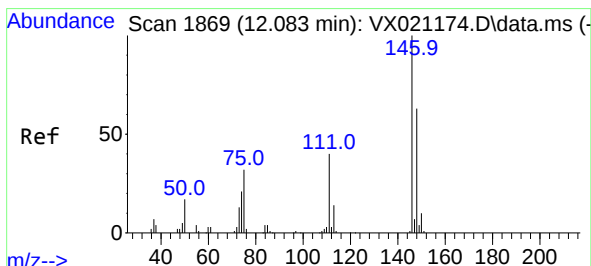
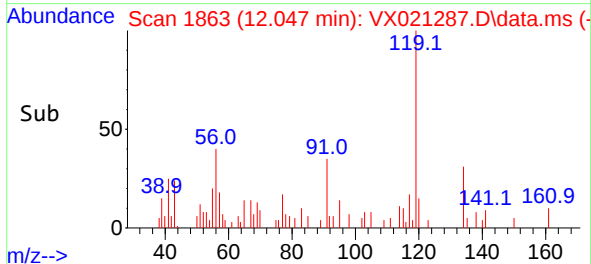
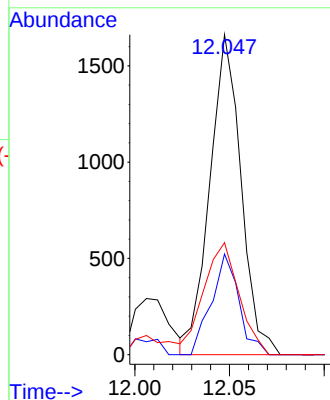
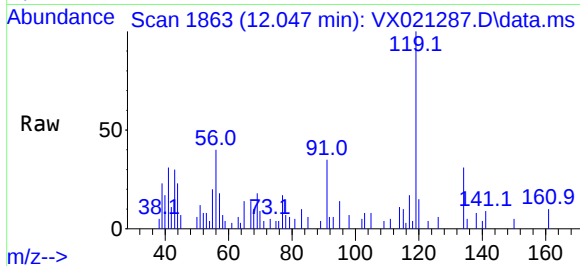




#82
p-Isopropyltoluene
Concen: 0.48 ug/l
RT: 12.047 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VX021287.D
Acq: 18 Mar 2021 19:17

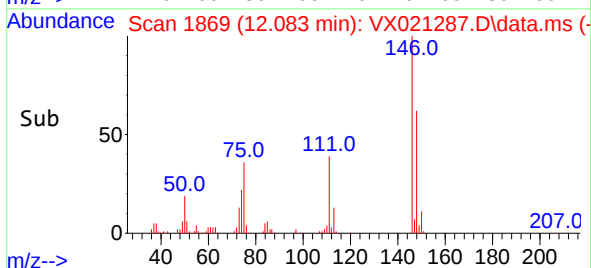
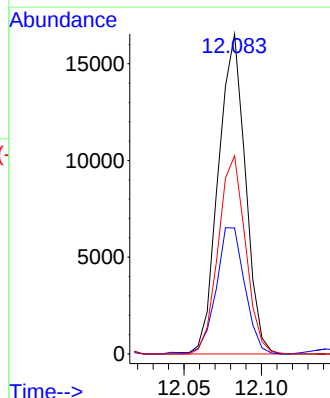
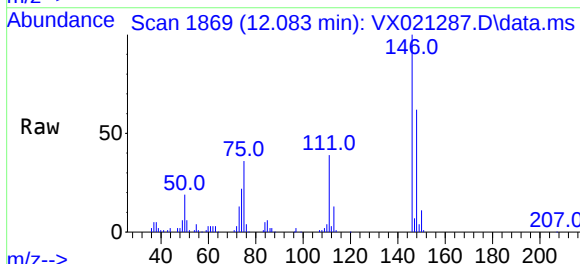
Instrument :
MSVOA_X
ClientSampleId :
210317058-01-VOA

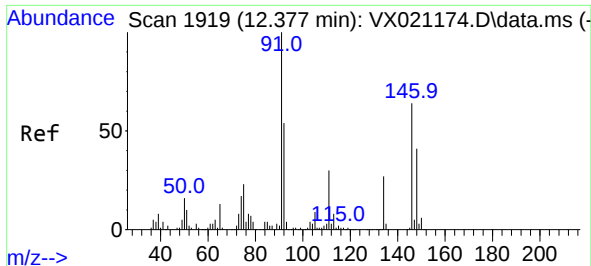
Tgt Ion:	119	Resp:	1903
Ion	Ratio	Lower	Upper
119	100		
134	28.0	0.0	52.8
91	39.7	0.0	47.4



#84
1,4-Dichlorobenzene
Concen: 10.23 ug/l
RT: 12.083 min Scan# 1869
Delta R.T. 0.000 min
Lab File: VX021287.D
Acq: 18 Mar 2021 19:17

Tgt Ion:	146	Resp:	20065
Ion	Ratio	Lower	Upper
146	100		
111	41.6	19.1	57.3
148	62.4	31.9	95.5





#87

1,2-Dichlorobenzene

Concen: 0.71 ug/l

RT: 12.371 min Scan# 1918

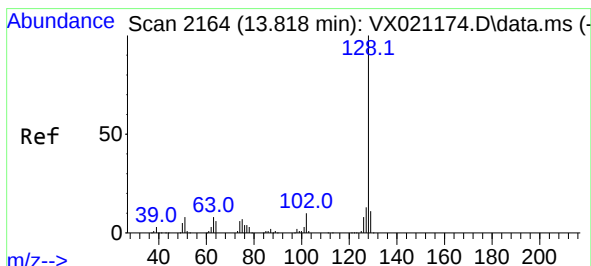
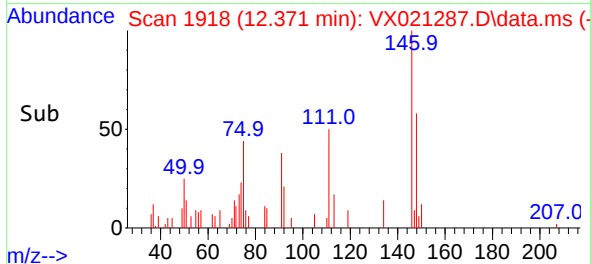
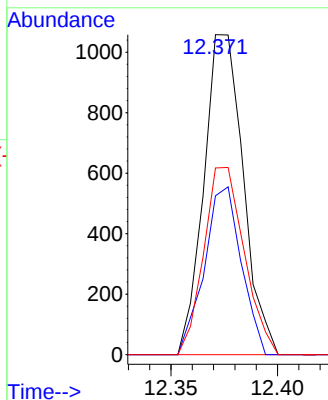
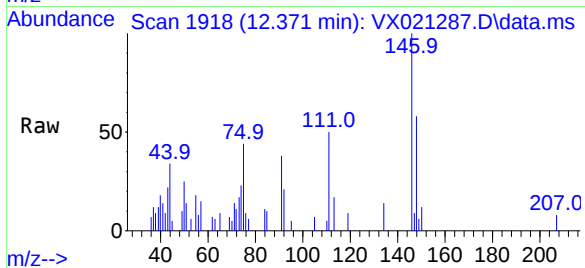
Delta R.T. -0.006 min

Lab File: VX021287.D

Acq: 18 Mar 2021 19:17

Tgt Ion:	146	Resp:	1362
Ion	Ratio	Lower	Upper
146	100		
111	49.2	20.8	62.5
148	60.1	32.4	97.0

Instrument :
MSVOA_X
ClientSampleId :
210317058-01-VOA



#91

Naphthalene

Concen: 5.60 ug/l

RT: 13.818 min Scan# 2164

Delta R.T. 0.000 min

Lab File: VX021287.D

Acq: 18 Mar 2021 19:17

Tgt Ion:	128	Resp:	21814
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.8	8.8	13.2

