

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102720\
 Data File : VX019140.D
 Acq On : 27 Oct 2020 16:49
 Operator : JC/MD
 Sample : L4214-09 .75PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 10/28/2020 12:32:55 PM

Quant Time: Oct 28 03:31:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 28 03:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	279970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	462149	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	413506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	197047	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	178219	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
35) Dibromofluoromethane	5.46	113	140594	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
50) Toluene-d8	8.70	98	537512	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
62) 4-Bromofluorobenzene	11.12	95	195748	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.18	85	1939	0.831 ug/l	94
3) Chloromethane	1.31	50	2026	0.777 ug/l #	77
4) Vinyl Chloride	1.39	62	2165	0.716 ug/l	96
5) Bromomethane	1.64	94	2117	1.025 ug/l	100
6) Chloroethane	1.72	64	1491	0.772 ug/l	99
7) Trichlorofluoromethane	1.92	101	3550	0.747 ug/l	98
8) Diethyl Ether	2.17	74	1470	0.806 ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1999	0.759 ug/l	98
10) Methyl Iodide	2.50	142	1308	0.489 ug/l	92
11) Tert butyl alcohol	3.03	59	2924	4.100 ug/l	98
12) 1,1-Dichloroethene	2.36	96	2158	0.795 ug/l	89
13) Acrolein	2.28	56	1967	5.662 ug/l	85
14) Allyl chloride	2.70	41	2989	0.727 ug/l	96
15) Acrylonitrile	3.12	53	5568	3.716 ug/l	98
16) Acetone	2.43	43	4859	3.901 ug/l	100
17) Carbon Disulfide	2.55	76	6872	0.833 ug/l	98
18) Methyl Acetate	2.75	43	2384	0.787 ug/l	99
19) Methyl tert-butyl Ether	3.17	73	6720	0.715 ug/l	95
20) Methylene Chloride	2.84	84	2590	0.828 ug/l	97
21) trans-1,2-Dichloroethene	3.14	96	2303	0.737 ug/l	93
22) Diisopropyl ether	3.82	45	5617	0.686 ug/l #	51
23) Vinyl Acetate	3.79	43	23825	3.261 ug/l	99
24) 1,1-Dichloroethane	3.67	63	3591	0.702 ug/l #	92
25) 2-Butanone	4.65	43	6603	3.364 ug/l	99
26) 2,2-Dichloropropane	4.56	77	3306	0.687 ug/l	91
27) cis-1,2-Dichloroethene	4.56	96	2555	0.732 ug/l	92
28) Bromochloromethane	4.99	49	1544	0.664 ug/l #	98
29) Tetrahydrofuran	5.10	42	4769	3.855 ug/l	95
30) Chloroform	5.18	83	3816	0.701 ug/l	98
31) Cyclohexane	5.54	56	3030	0.664 ug/l #	86
32) 1,1,1-Trichloroethane	5.46	97	3410	0.691 ug/l #	50
36) 1,1-Dichloropropene	5.78	75	3180	0.745 ug/l	97
37) Ethyl Acetate	4.79	43	3474	0.877 ug/l #	88
38) Carbon Tetrachloride	5.76	117	3283m	0.755 ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	3607	0.707	ug/l	95
40) Benzene	6.12	78	8361	0.691	ug/l	98
41) Methacrylonitrile	5.01	41	1786m	0.837	ug/l	
42) 1,2-Dichloroethane	6.16	62	3429	0.769	ug/l	96
43) Isopropyl Acetate	6.41	43	4993	0.753	ug/l	96
44) Trichloroethene	7.19	130	2600	0.750	ug/l	85
45) 1,2-Dichloropropane	7.49	63	2007	0.677	ug/l #	82
46) Dibromomethane	7.64	93	1563	0.713	ug/l	98
47) Bromodichloromethane	7.87	83	2888	0.669	ug/l	94
48) Methyl methacrylate	7.75	41	2309	0.723	ug/l	94
49) 1,4-Dioxane	7.74	88	992	13.969	ug/l #	68
51) 4-Methyl-2-Pentanone	8.62	43	13315	3.492	ug/l	98
52) Toluene	8.76	92	5623	0.722	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	3137	0.636	ug/l	97
54) cis-1,3-Dichloropropene	8.42	75	3521	0.679	ug/l	96
55) 1,1,2-Trichloroethane	9.20	97	2163	0.702	ug/l #	86
56) Ethyl methacrylate	9.16	69	2975	0.640	ug/l #	84
57) 1,3-Dichloropropane	9.35	76	3607	0.695	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.29	63	7409	2.848	ug/l	95
59) 2-Hexanone	9.48	43	9878	3.403	ug/l	97
60) Dibromochloromethane	9.56	129	2124	0.636	ug/l	99
61) 1,2-Dibromoethane	9.66	107	2203	0.669	ug/l	100
64) Tetrachloroethene	9.32	164	2550	0.809	ug/l	90
65) Chlorobenzene	10.12	112	5865	0.694	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.20	131	2039	0.670	ug/l #	66
67) Ethyl Benzene	10.23	91	10406	0.691	ug/l	99
68) m/p-Xylenes	10.34	106	7714	1.365	ug/l	97
69) o-Xylene	10.68	106	3952	0.737	ug/l	88
70) Styrene	10.70	104	5932	0.648	ug/l	94
71) Bromoform	10.84	173	1491	0.618	ug/l #	96
73) Isopropylbenzene	11.00	105	9701	0.696	ug/l	97
74) N-amyl acetate	10.88	43	3555	0.697	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.25	83	3188	0.731	ug/l	93
76) 1,2,3-Trichloropropane	11.28	75	3284m	0.807	ug/l	
77) Bromobenzene	11.24	156	2501	0.722	ug/l	92
78) n-propylbenzene	11.34	91	11219	0.705	ug/l	100
79) 2-Chlorotoluene	11.40	91	7172	0.765	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	7982	0.677	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	944m	0.611	ug/l	
82) 4-Chlorotoluene	11.49	91	8489	0.742	ug/l	99
83) tert-Butylbenzene	11.76	119	7803	0.692	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	8070	0.678	ug/l	98
85) sec-Butylbenzene	11.93	105	9107	0.673	ug/l	98
86) p-Isopropyltoluene	12.05	119	8509	0.681	ug/l	91
87) 1,3-Dichlorobenzene	12.01	146	4619	0.716	ug/l	96
88) 1,4-Dichlorobenzene	12.08	146	5270m	0.785	ug/l	
89) n-Butylbenzene	12.37	91	7862	0.670	ug/l	99
90) Hexachloroethane	12.58	117	1300	0.612	ug/l	93
91) 1,2-Dichlorobenzene	12.38	146	4612	0.745	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.99	75	763	0.715	ug/l	76

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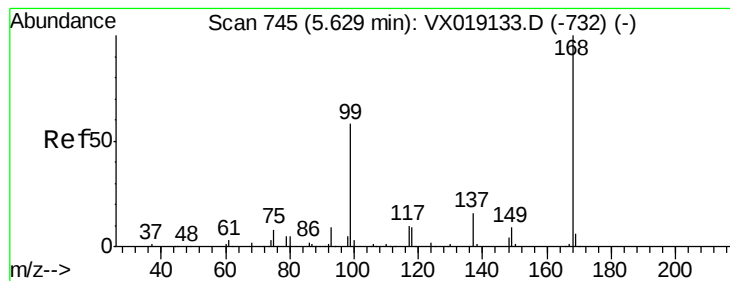
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	3360	0.723	ug/l	91
94) Hexachlorobutadiene	13.77	225	1369	0.669	ug/l	94
95) Naphthalene	13.82	128	8915	0.609	ug/l	98
96) 1,2,3-Trichlorobenzene	14.01	180	2961	0.656	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:168 Resp: 279970

Ion Ratio Lower Upper

168 100

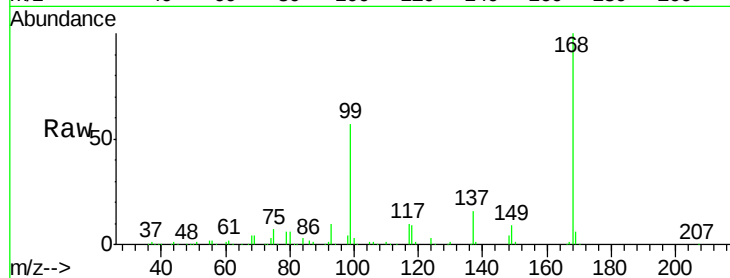
99 57.4 46.6 69.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

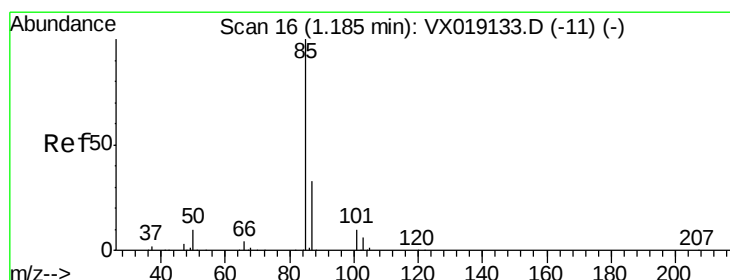
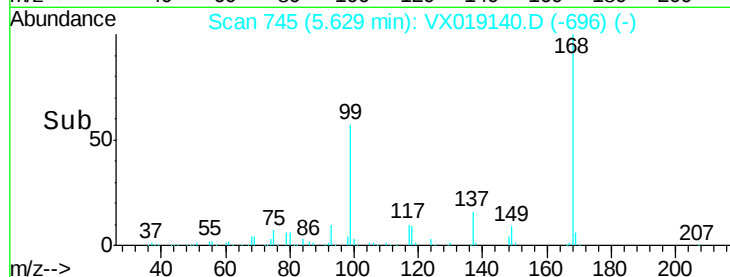
0

5.50

5.63

5.70

Time-->



#2

Dichlorodifluoromethane

Concen: 0.831 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019140.D

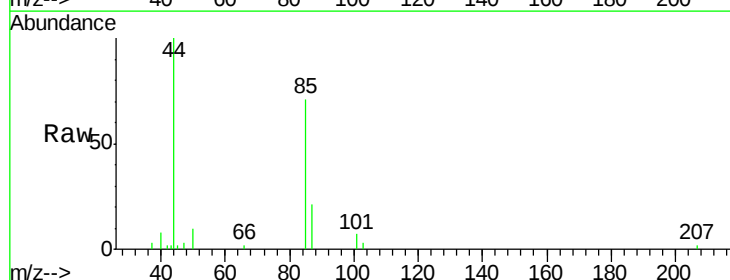
Acq: 27 Oct 2020 16:49

Tgt Ion: 85 Resp: 1939

Ion Ratio Lower Upper

85 100

87 29.7 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

2500

2000

1500

1000

500

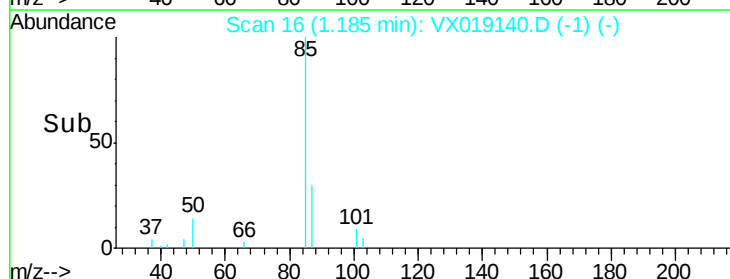
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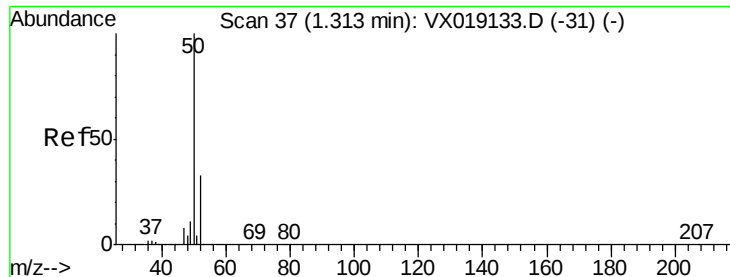
1.15

1.18

1.20

Time-->





#3

Chloromethane

Concen: 0.777 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 50 Resp: 2026

Ion Ratio Lower Upper

50 100

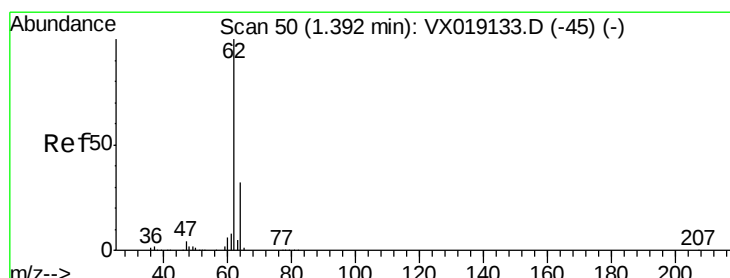
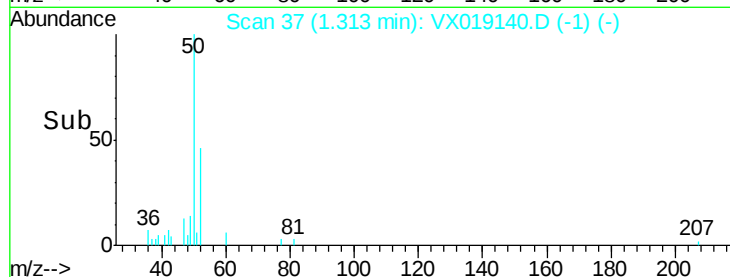
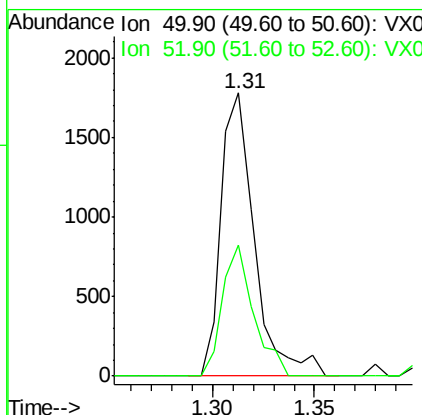
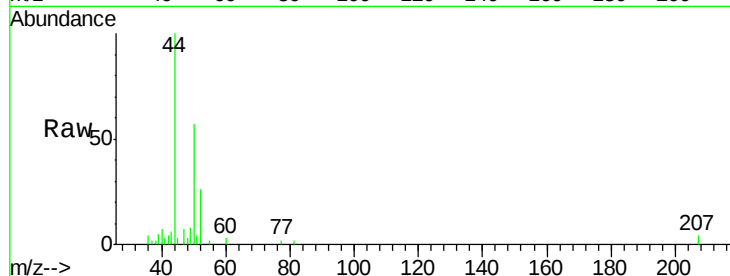
52 46.4 26.8 40.2#

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#4

Vinyl Chloride

Concen: 0.716 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019140.D

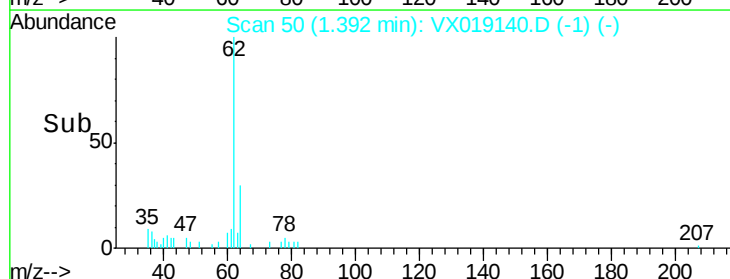
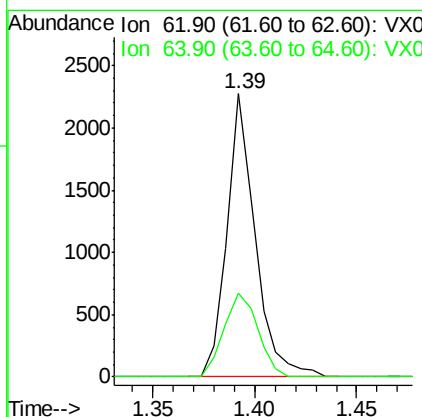
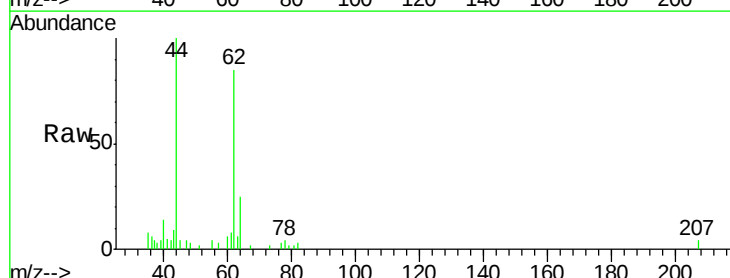
Acq: 27 Oct 2020 16:49

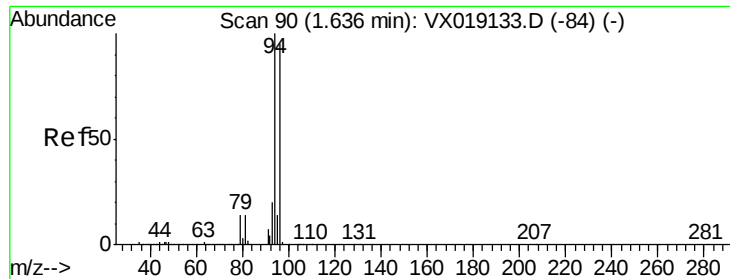
Tgt Ion: 62 Resp: 2165

Ion Ratio Lower Upper

62 100

64 29.6 25.4 38.0





#5

Bromomethane

Concen: 1.025 ug/l

RT: 1.64 min Scan# 90

Delta R.T. -0.00 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 94 Resp: 2117

Ion Ratio Lower Upper

94 100

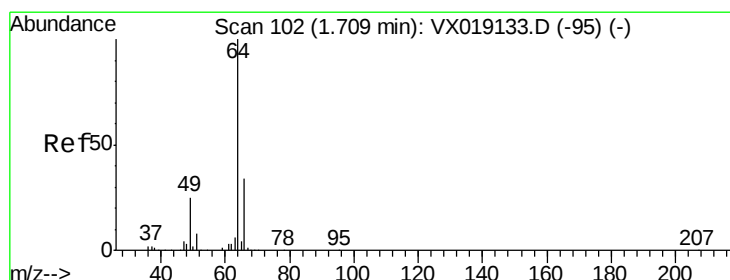
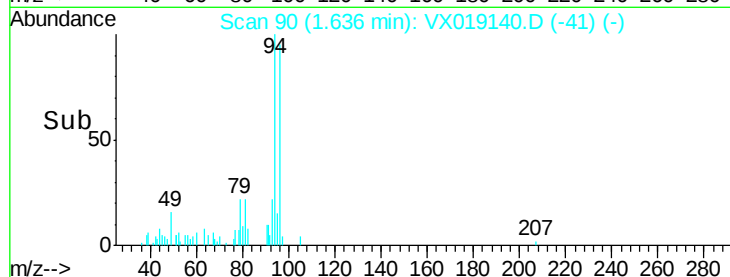
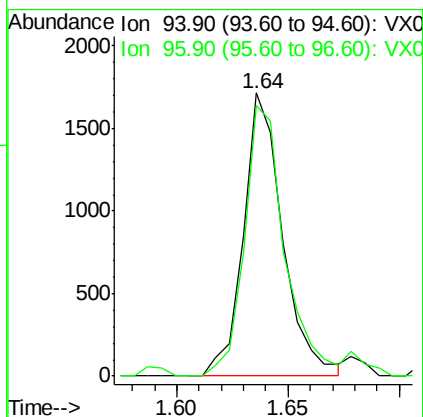
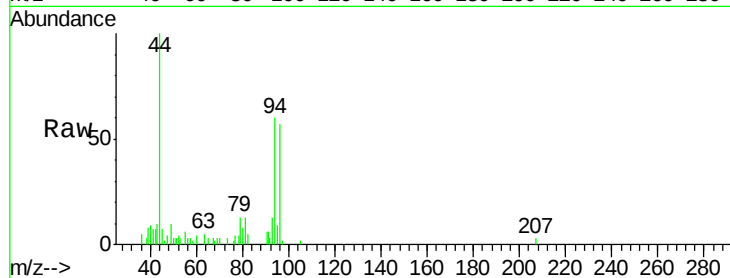
96 95.4 76.0 114.0

Manual Integrations

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#6

Chloroethane

Concen: 0.772 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX019140.D

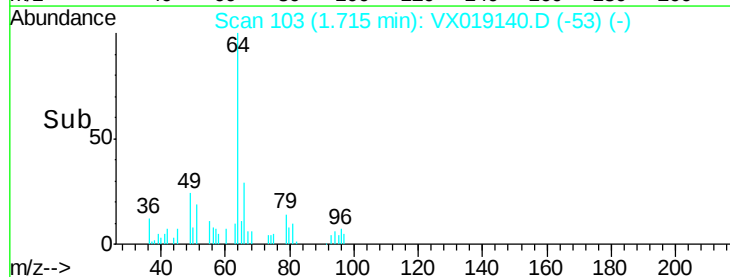
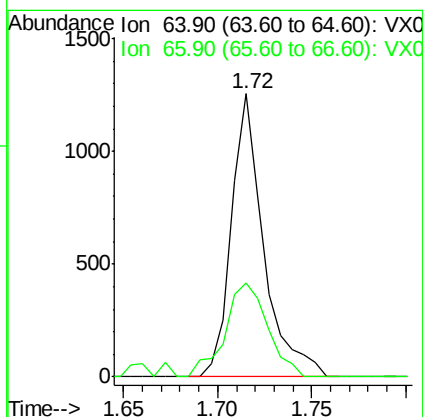
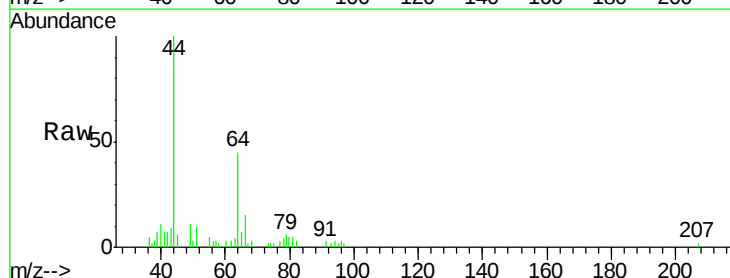
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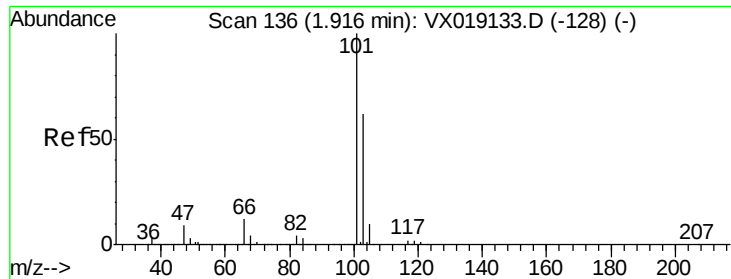
Tgt Ion: 64 Resp: 1491

Ion Ratio Lower Upper

64 100

66 33.1 27.1 40.7





#7

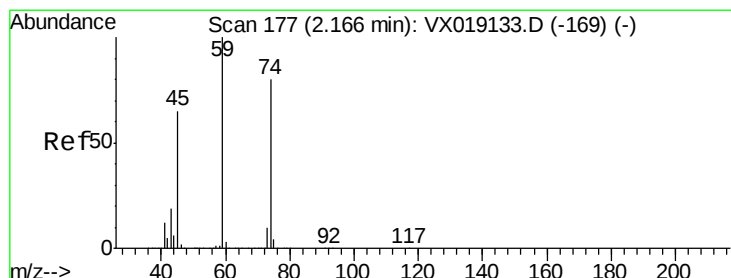
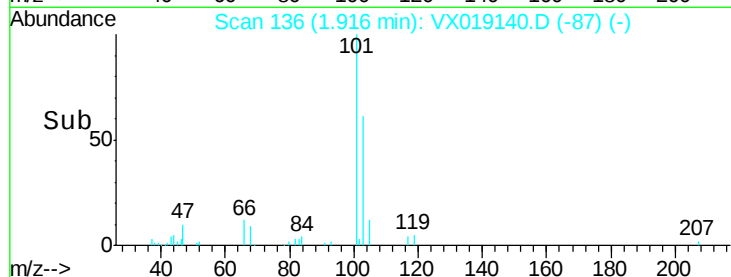
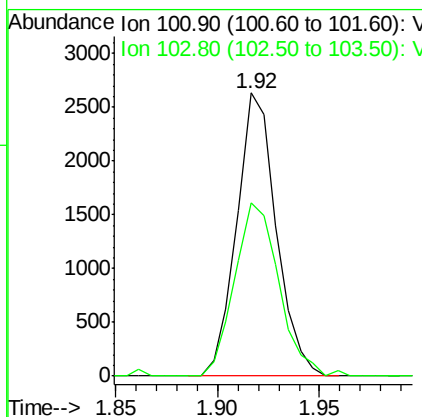
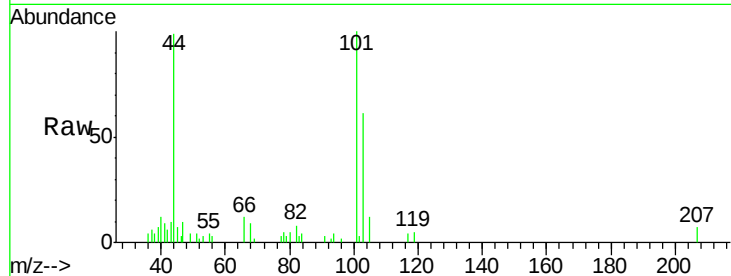
Trichlorofluoromethane
Concen: 0.747 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.00 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

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ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.1	50.0	75.0

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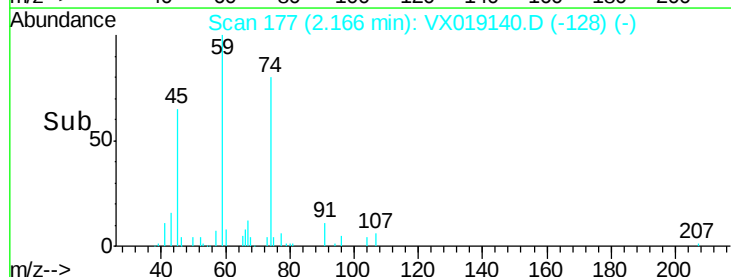
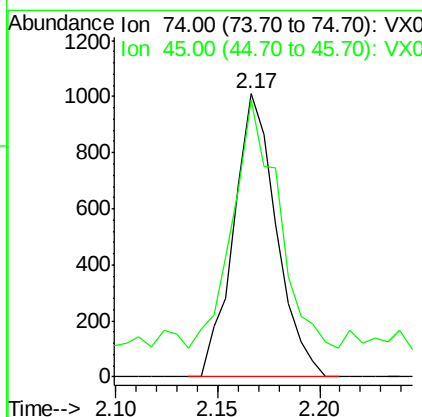
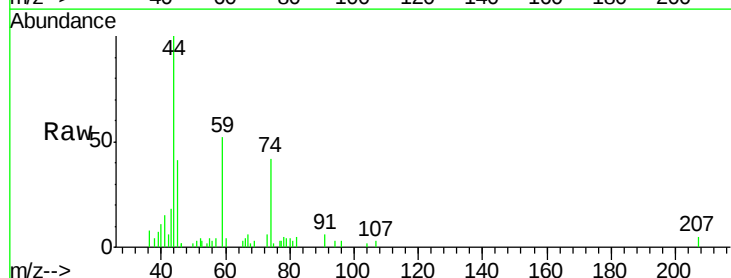
MMDadoda
10/28/2020 12:32:55 PM

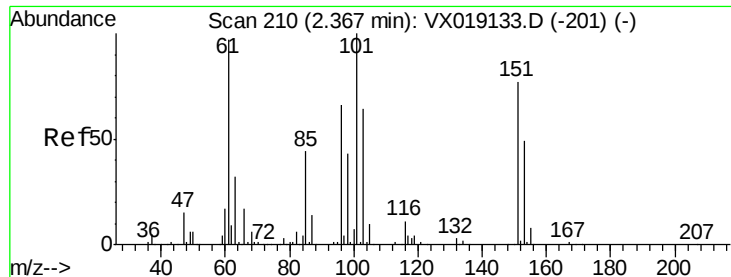


#8

Diethyl Ether
Concen: 0.806 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.0	41.0	123.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.759 ug/l

RT: 2.37 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

Instrument :

MSVOA_X

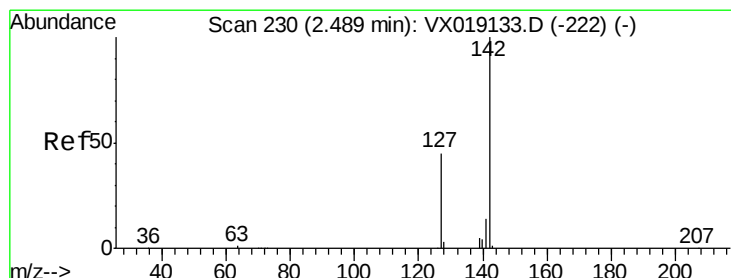
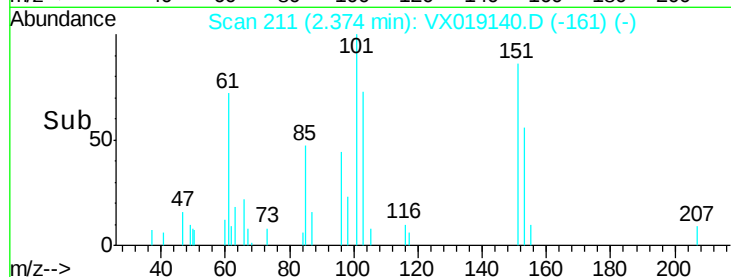
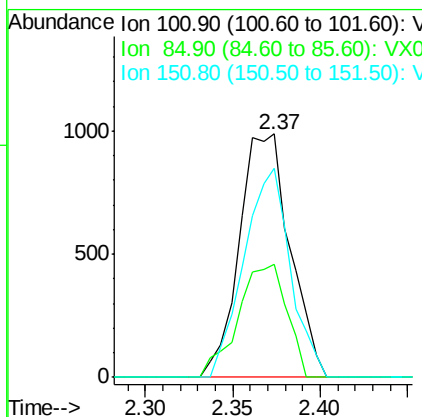
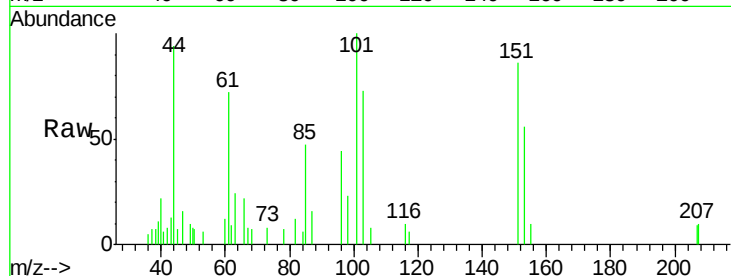
ClientSampleId :

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Tot Ion:	101	Resp:	1999
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.0	52.4
151	78.4	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 0.489 ug/l

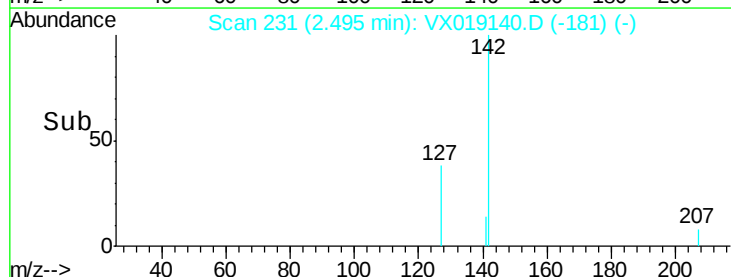
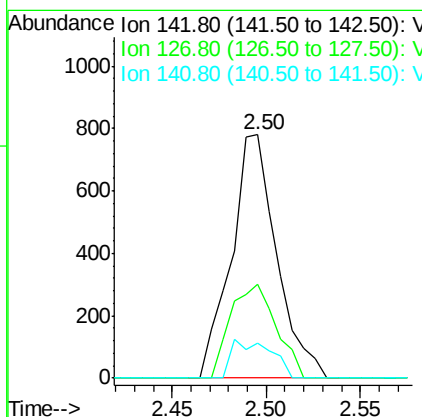
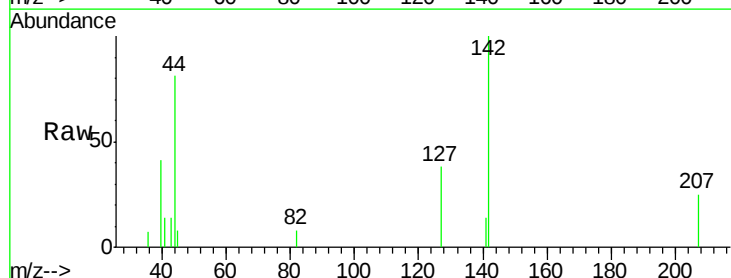
RT: 2.50 min Scan# 231

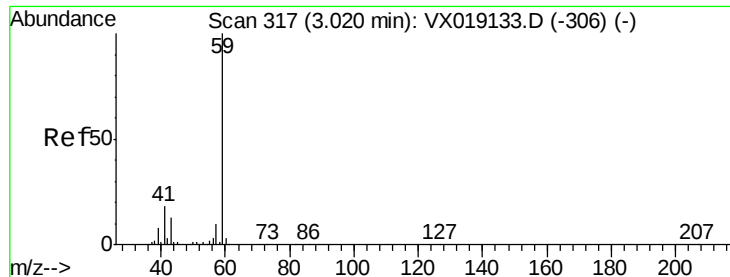
Delta R.T. 0.01 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

Tgt Ion:	142	Resp:	1308
Ion Ratio	Lower	Upper	
142	100		
127	38.6	36.1	54.1
141	13.5	11.3	16.9





#11

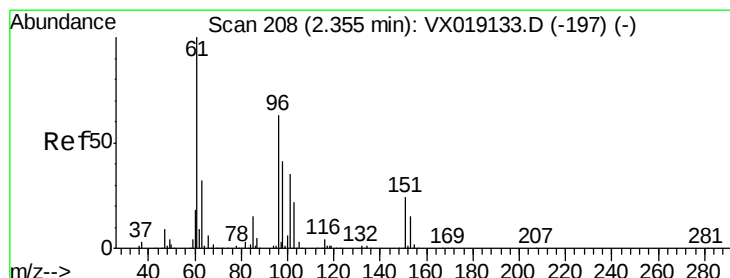
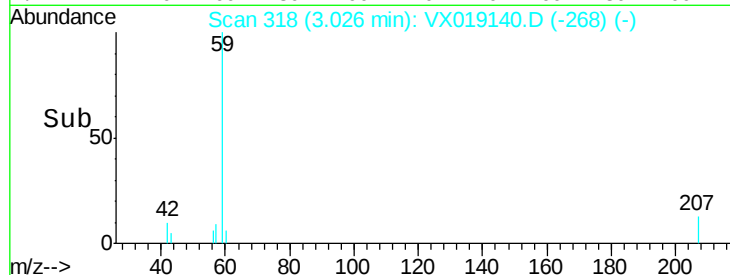
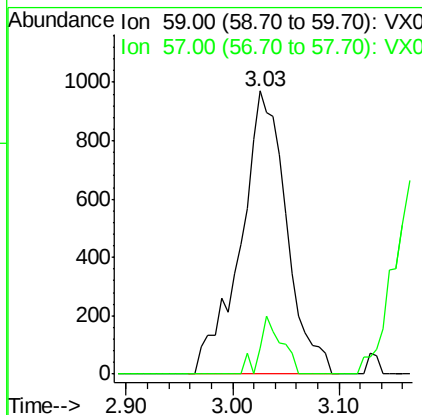
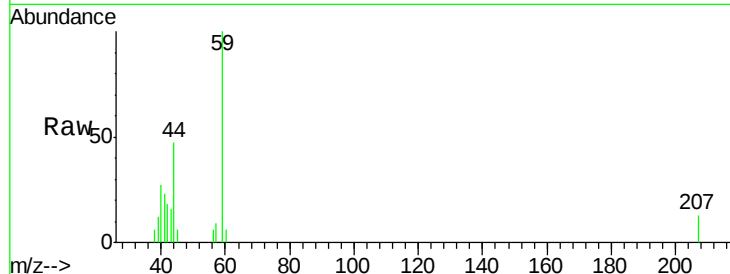
Tert butyl alcohol
Concen: 4.100 ug/l
RT: 3.03 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion: 59 Resp: 2924
Ion Ratio Lower Upper
59 100
57 9.8 8.4 12.6

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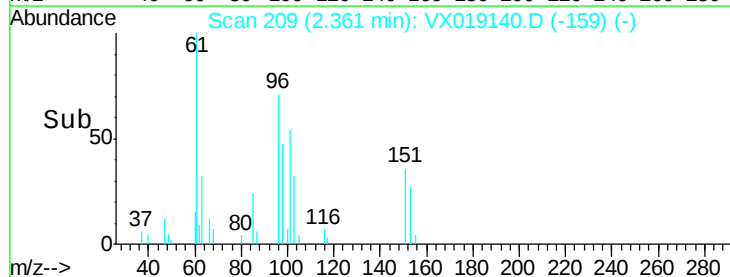
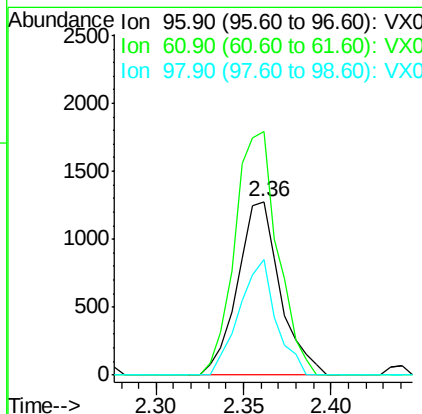
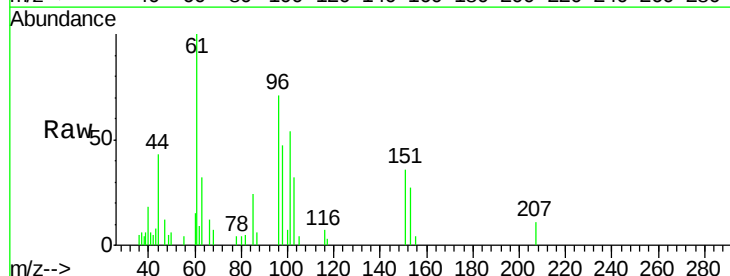
MMDadoda
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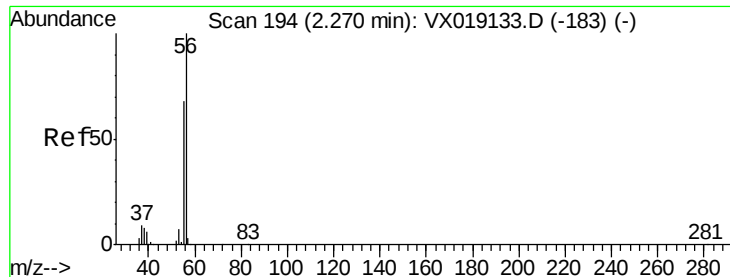


#12

1,1-Dichloroethene
Concen: 0.795 ug/l
RT: 2.36 min Scan# 209
Delta R.T. 0.01 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Tgt Ion: 96 Resp: 2158
Ion Ratio Lower Upper
96 100
61 140.3 127.7 191.5
98 66.5 52.1 78.1





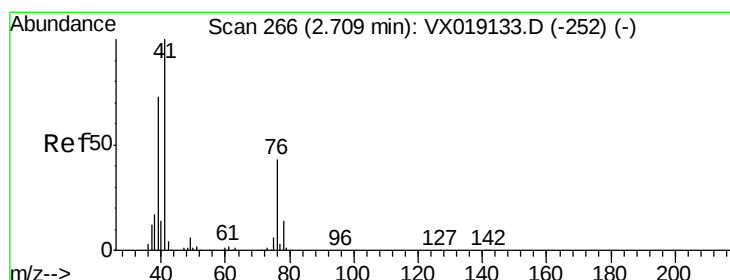
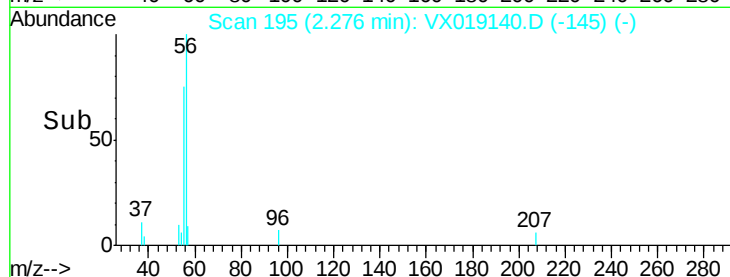
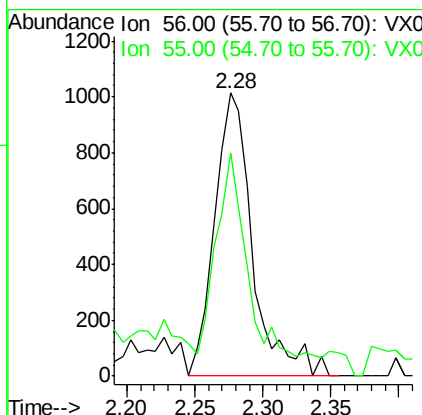
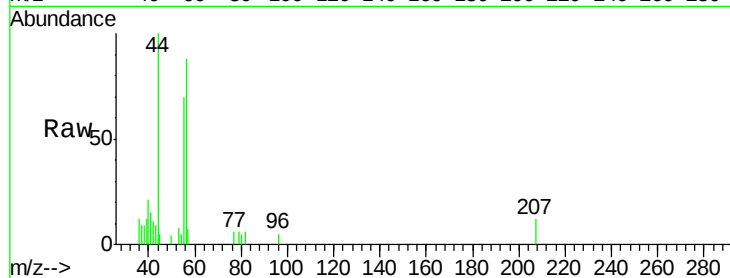
#13
Acrolein
Concen: 5.662 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion: 56 Resp: 1967
Ion Ratio Lower Upper
56 100
55 56.5 54.7 82.1

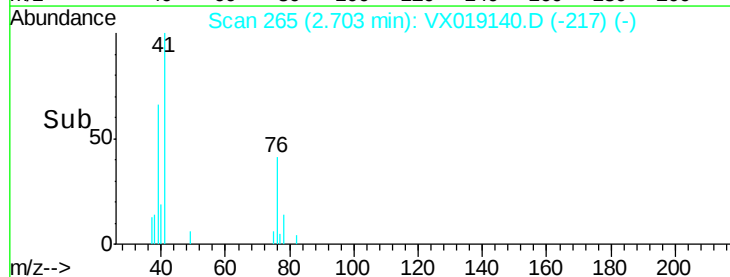
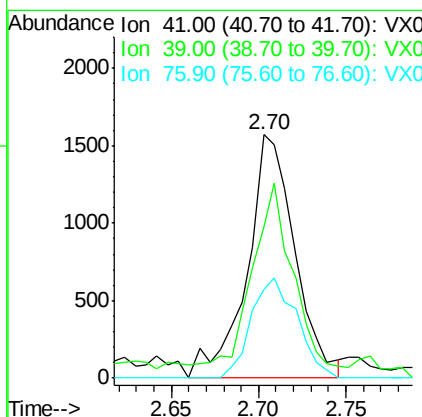
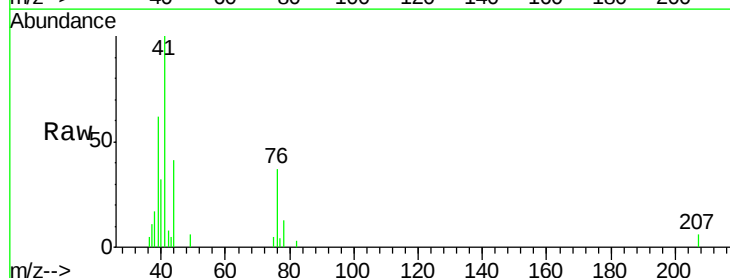
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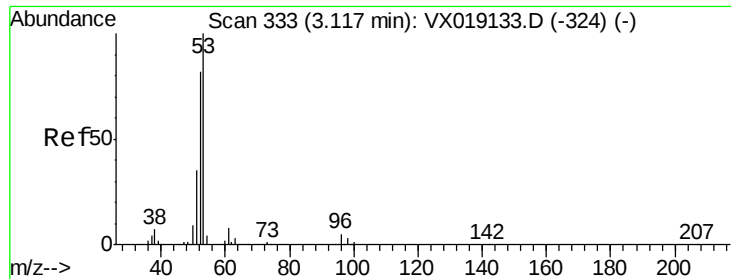
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#14
Allyl chloride
Concen: 0.727 ug/l
RT: 2.70 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Tgt Ion: 41 Resp: 2989
Ion Ratio Lower Upper
41 100
39 74.4 55.2 82.8
76 39.5 31.5 47.3





#15

Acrylonitrile

Concen: 3.716 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

Instrument :

MSVOA_X

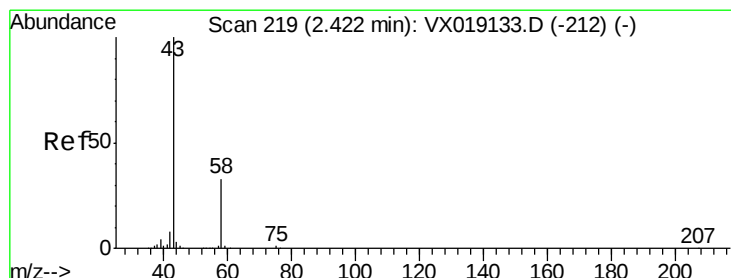
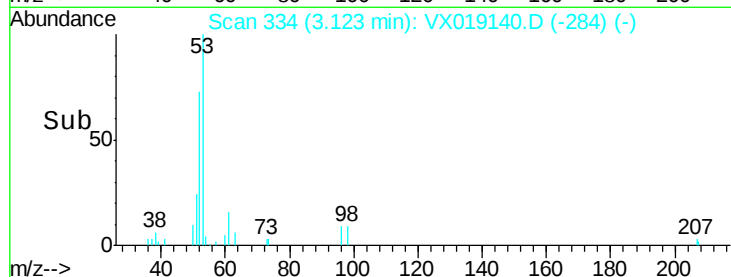
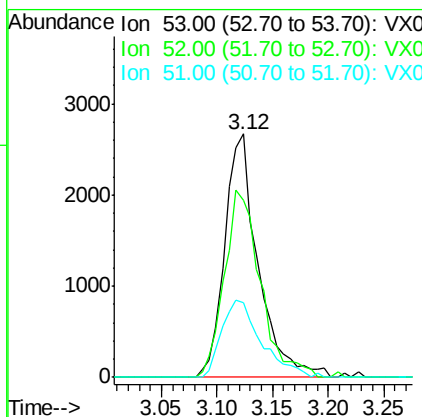
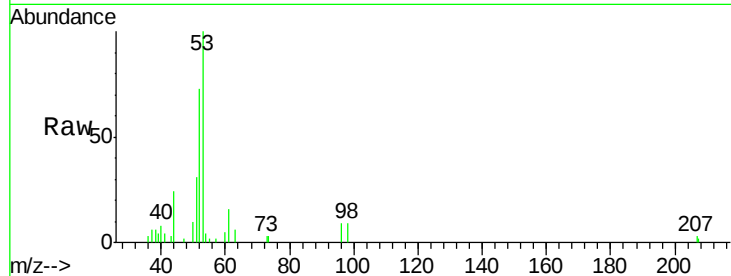
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	53	Resp:	5568
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.7	98.5
51	37.8	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 3.901 ug/l

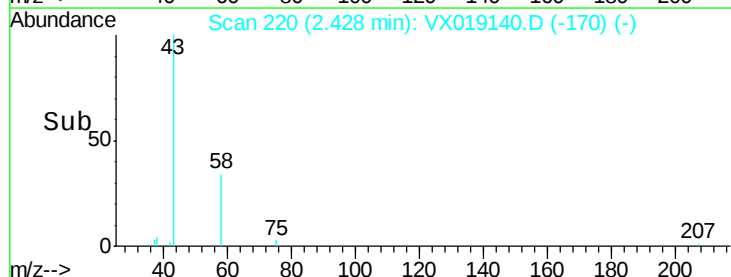
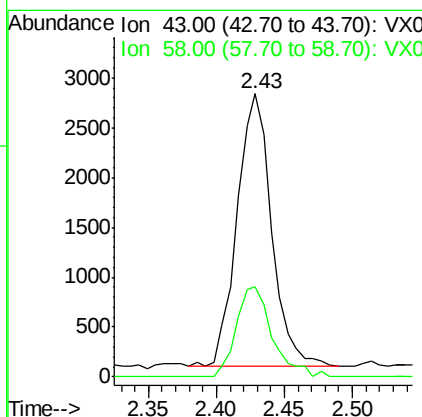
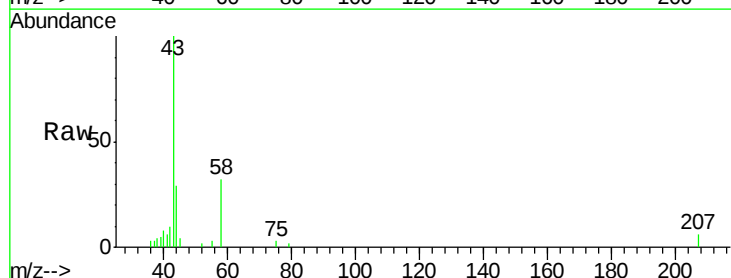
RT: 2.43 min Scan# 220

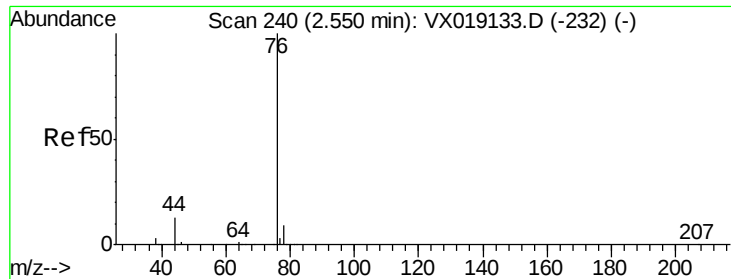
Delta R.T. 0.01 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

Tgt Ion:	43	Resp:	4859
Ion	Ratio	Lower	Upper
43	100		
58	33.0	26.3	39.5





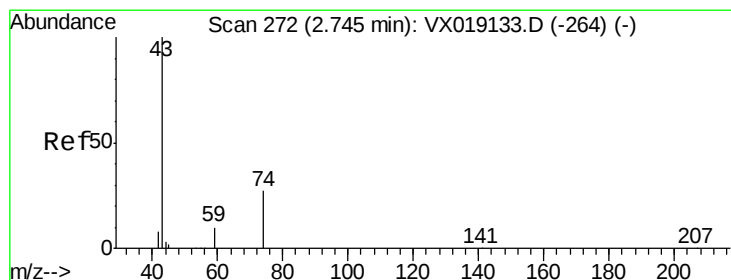
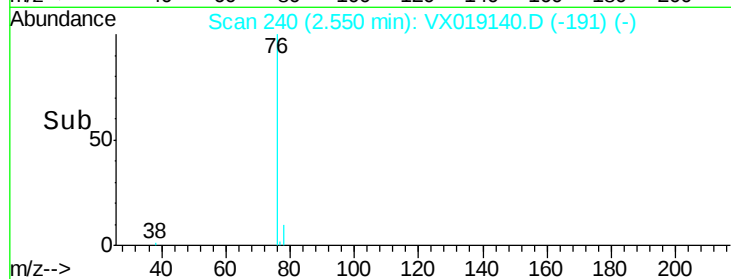
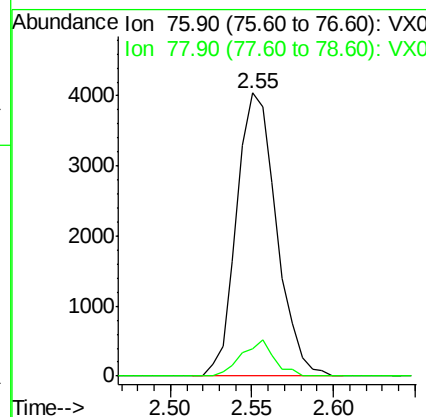
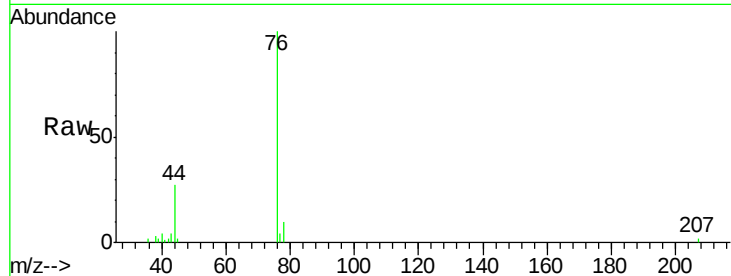
#17
Carbon Disulfide
Concen: 0.833 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.3	10.9

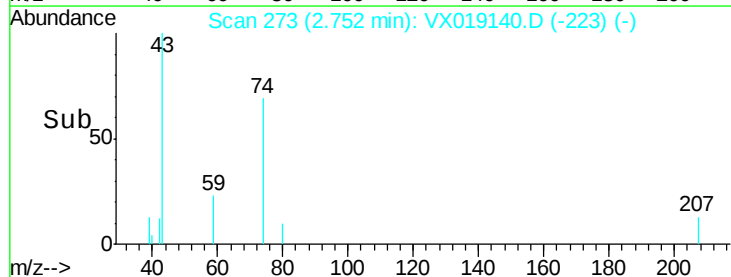
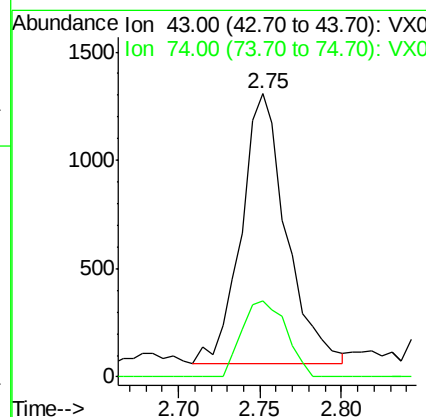
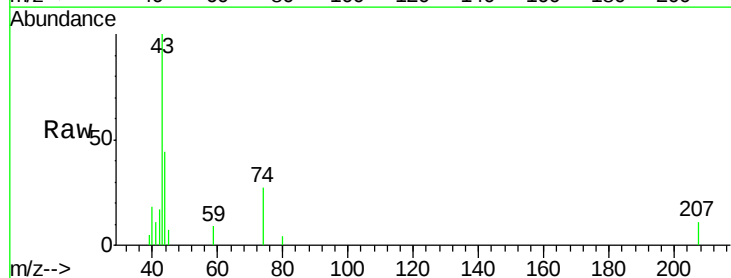
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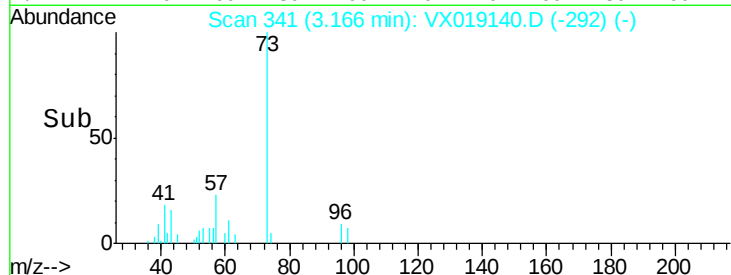
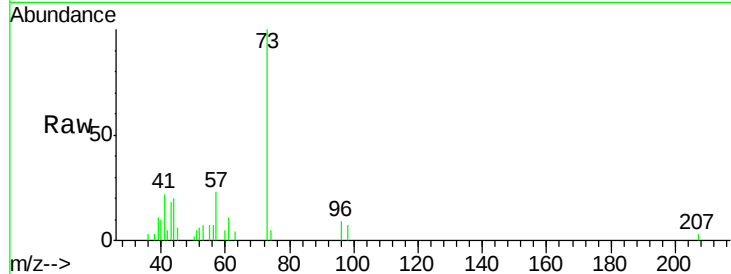
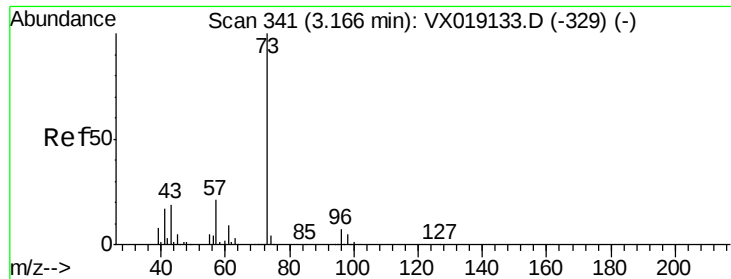
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#18
Methyl Acetate
Concen: 0.787 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.7	22.6	33.8





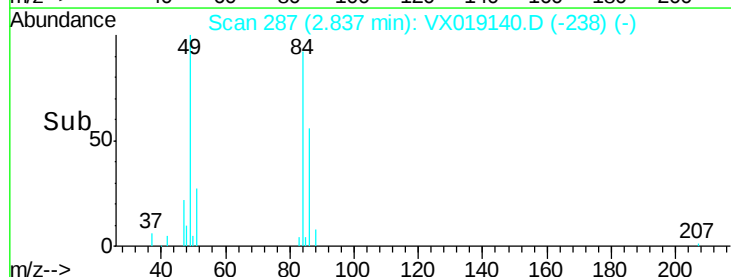
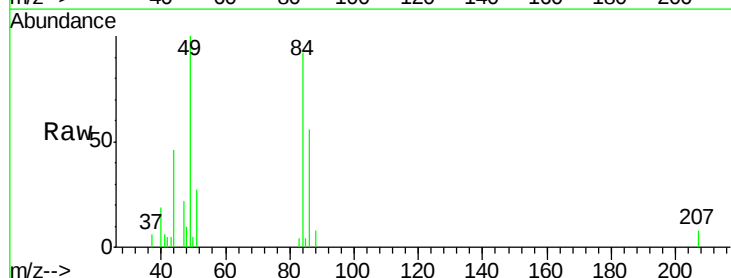
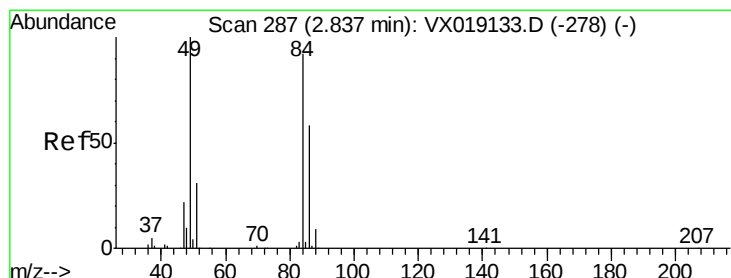
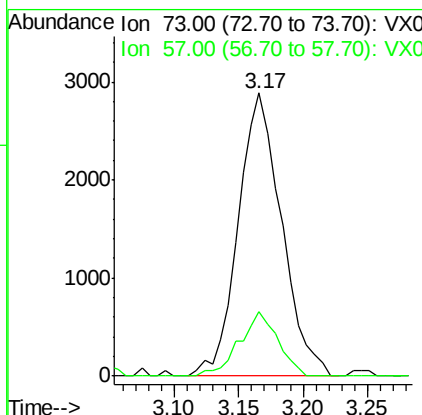
#19
Methyl tert-butyl Ether
Concen: 0.715 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Tot Ion: 73 Resp: 6720
Ion Ratio Lower Upper
73 100
57 22.9 16.6 25.0

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

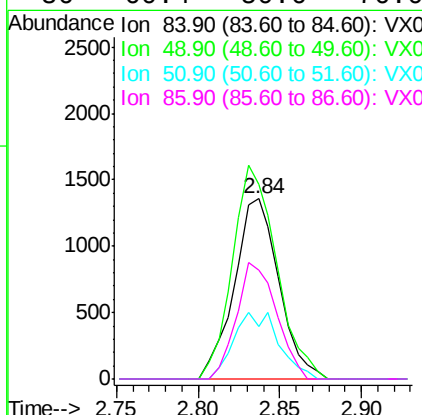
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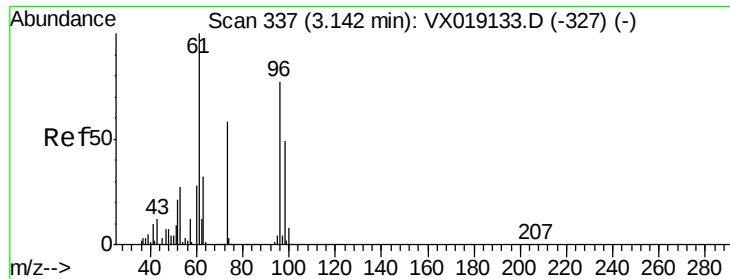
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#20
Methylene Chloride
Concen: 0.828 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Tgt Ion: 84 Resp: 2590
Ion Ratio Lower Upper
84 100
49 108.5 86.8 130.2
51 29.4 27.3 40.9
86 60.4 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 0.737 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

Instrument :

MSVOA_X

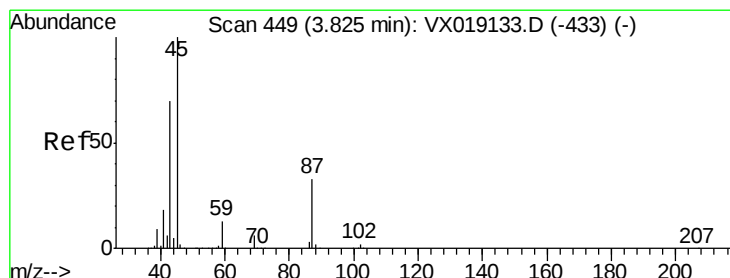
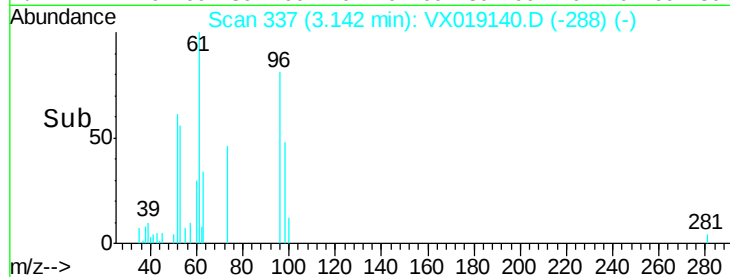
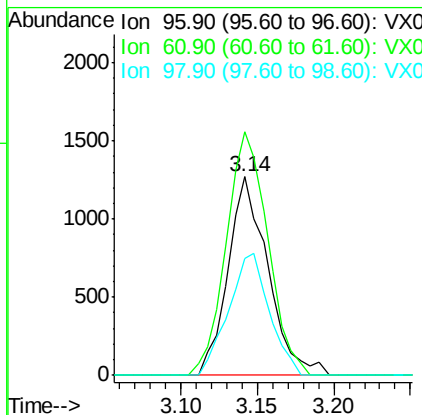
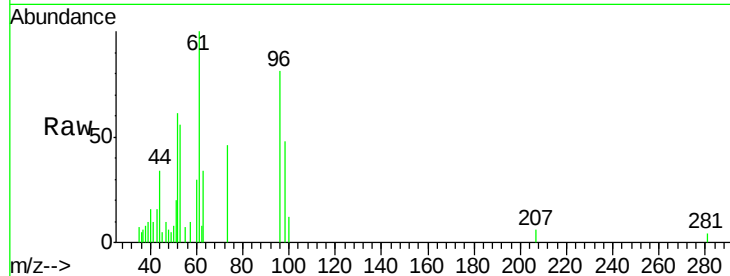
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	96	Resp:	2303
Ion	Ratio	Lower	Upper
96	100		
61	122.8	104.2	156.4
98	58.8	51.3	76.9

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#22

Diisopropyl ether

Concen: 0.686 ug/l

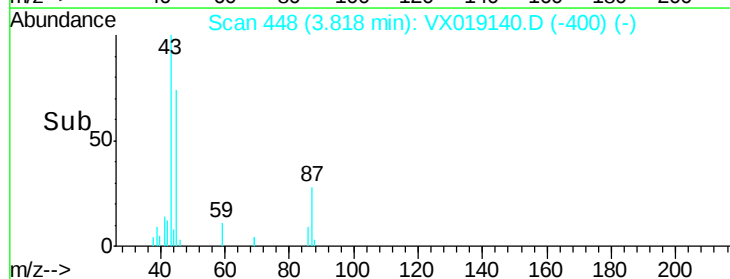
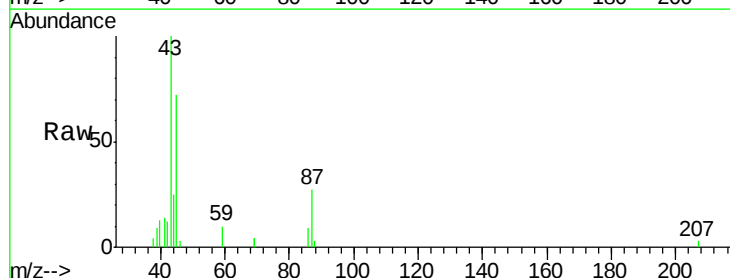
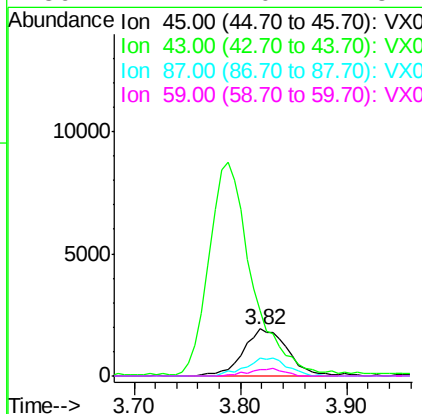
RT: 3.82 min Scan# 448

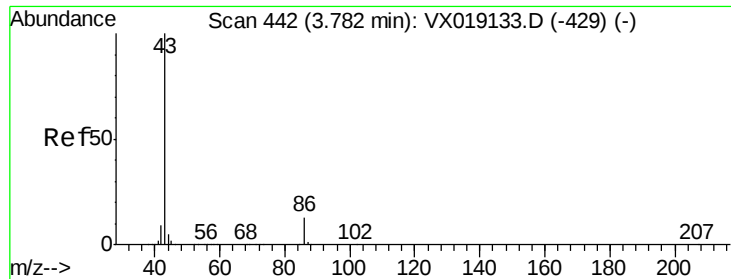
Delta R.T. -0.01 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

Tgt Ion:	45	Resp:	5617
Ion	Ratio	Lower	Upper
45	100		
43	132.8	56.2	84.4#
87	37.5	26.2	39.2
59	14.4	10.1	15.1





#23

Vinyl Acetate

Concen: 3.261 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.01 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 23825

Ion Ratio Lower Upper

43 100

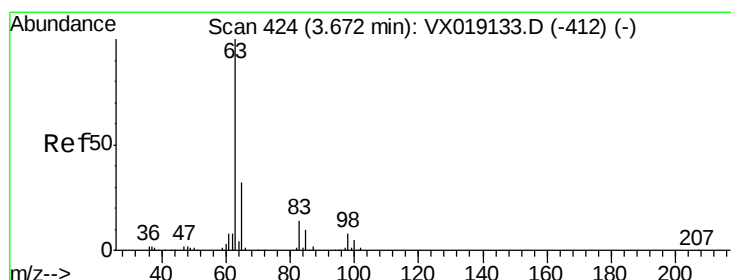
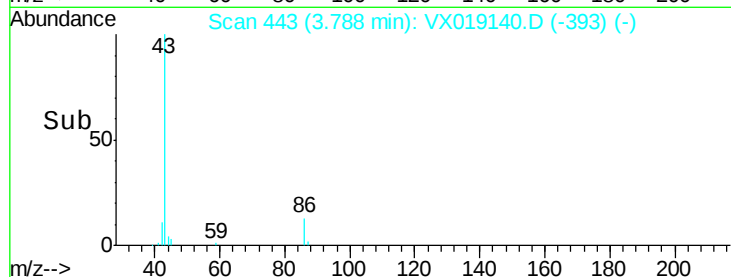
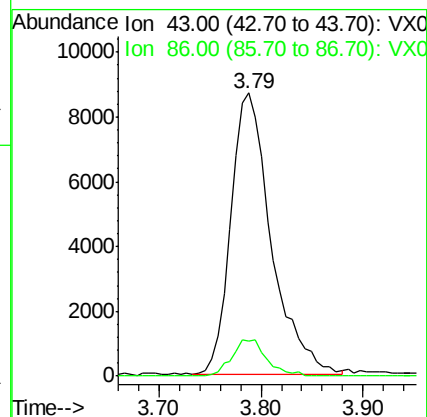
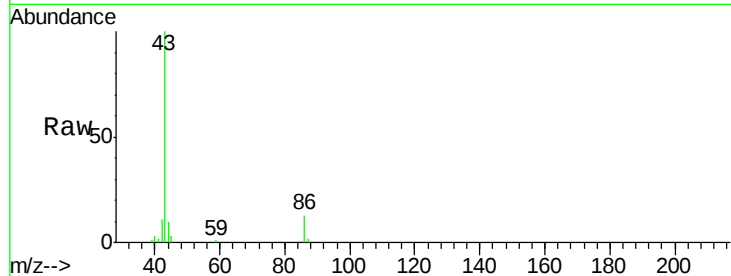
86 12.7 10.4 15.6

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#24

1,1-Dichloroethane

Concen: 0.702 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

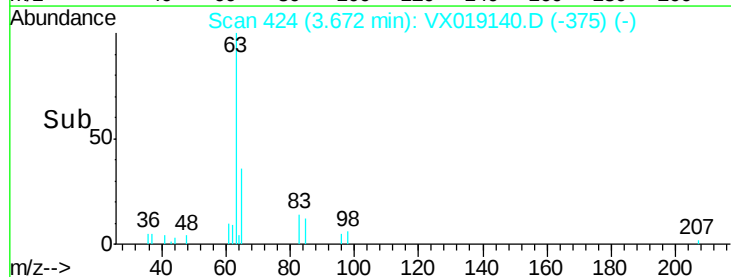
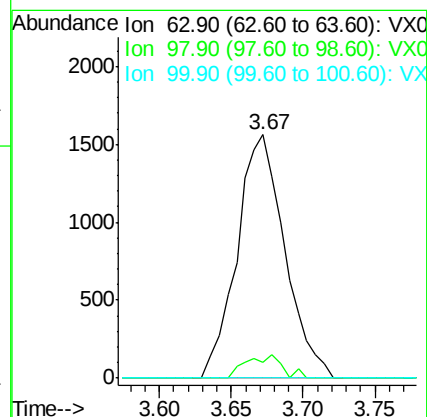
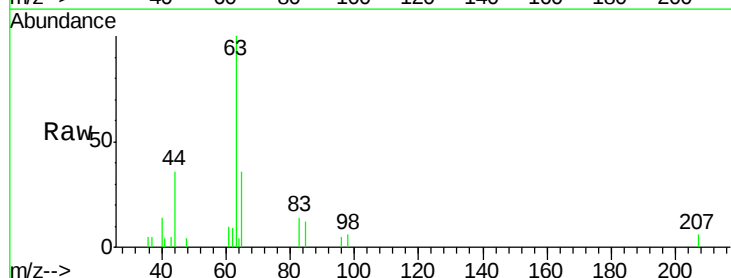
Tgt Ion: 63 Resp: 3591

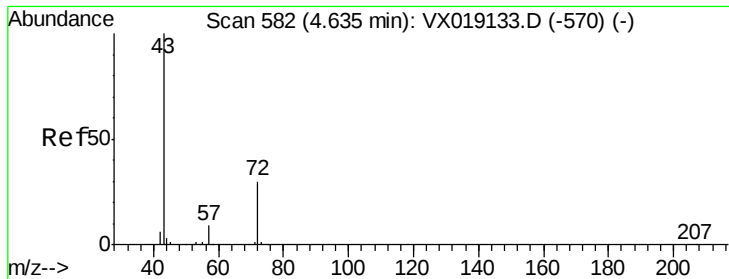
Ion Ratio Lower Upper

63 100

98 6.4 3.8 11.4

100 0.0 2.4 7.2#





#25

2-Butanone

Concen: 3.364 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 6603

Ion Ratio Lower Upper

43 100

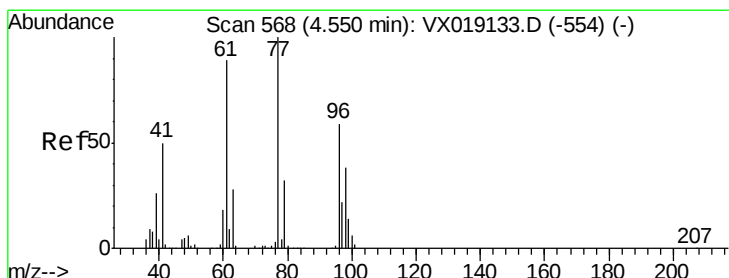
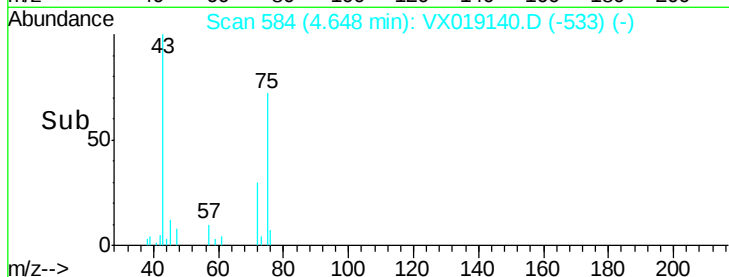
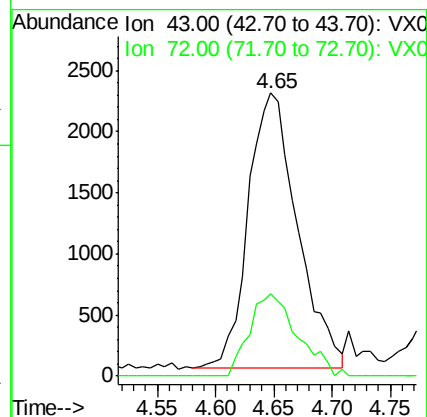
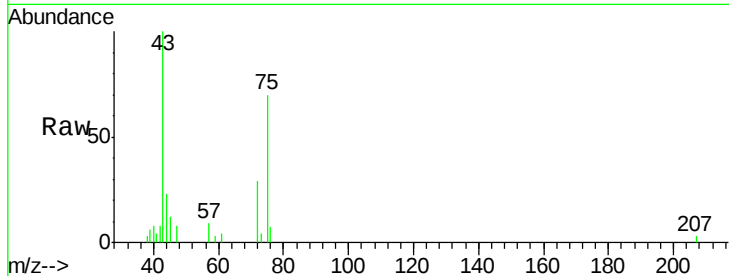
72 29.9 24.6 36.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 0.687 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.01 min

Lab File: VX019140.D

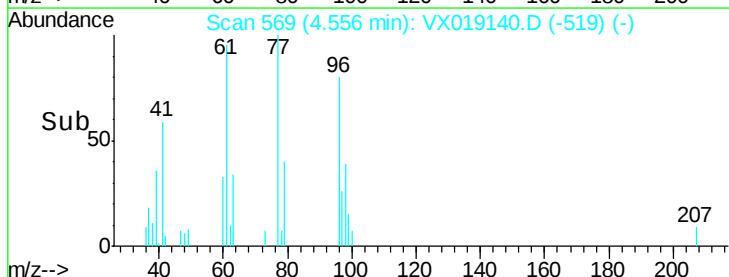
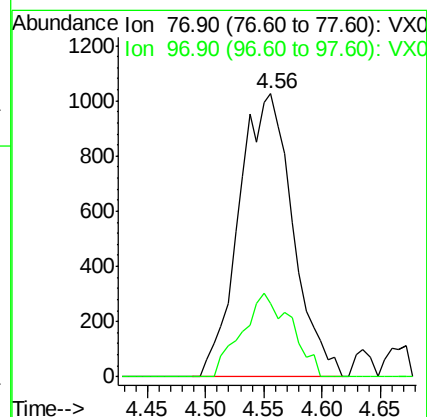
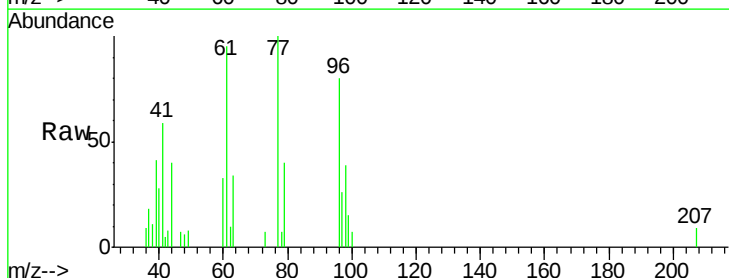
Acq: 27 Oct 2020 16:49

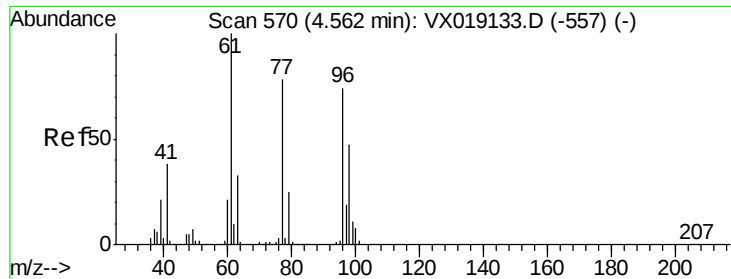
Tgt Ion: 77 Resp: 3306

Ion Ratio Lower Upper

77 100

97 27.0 11.4 34.1





#27

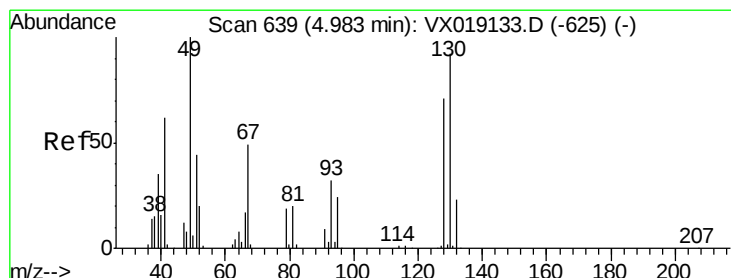
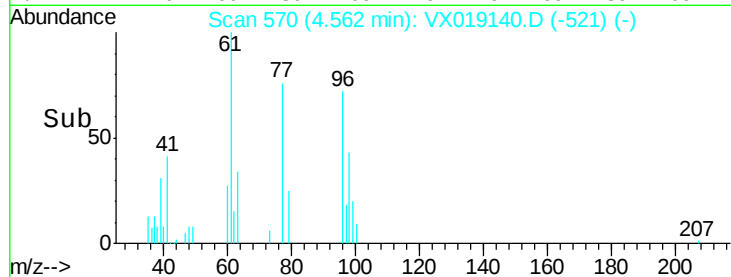
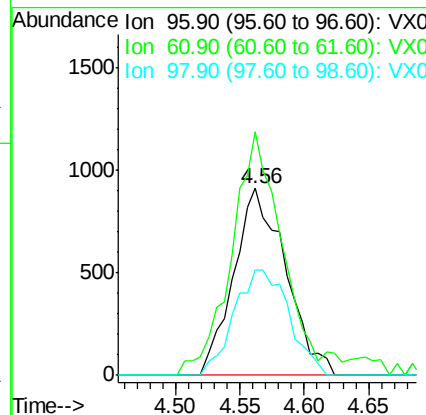
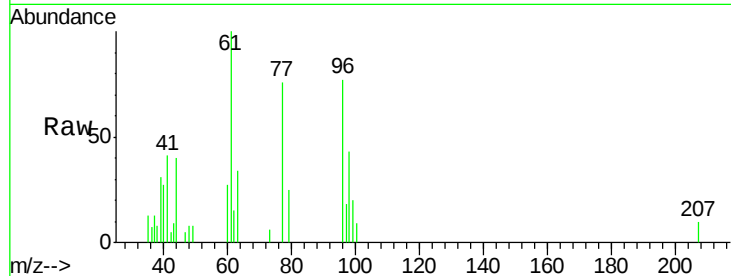
cis-1,2-Dichloroethene
Concen: 0.732 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.9	0.0	278.8
98	59.5	0.0	130.2

Manual Integrations
APPROVED

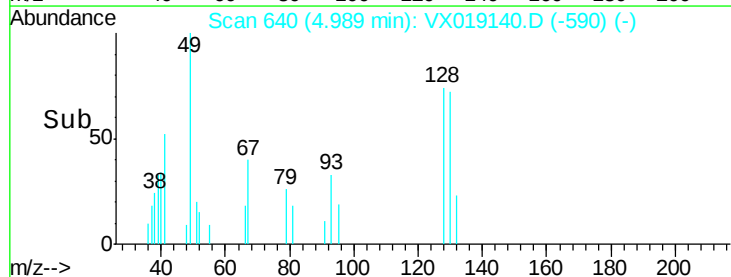
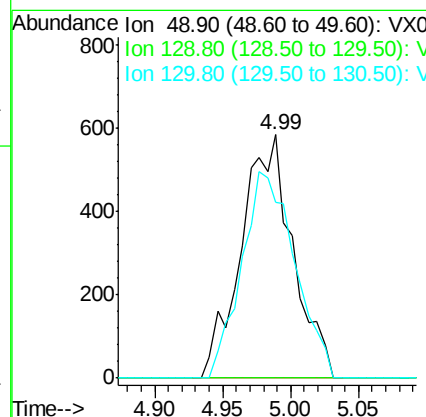
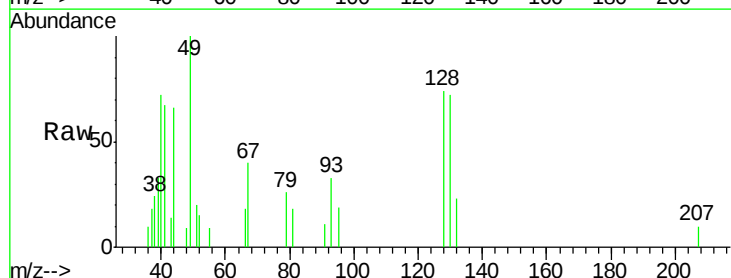
MMDadoda
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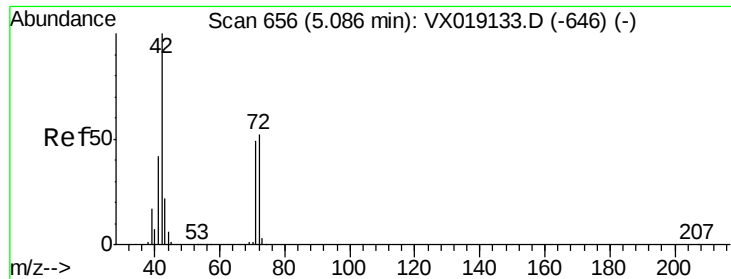


#28

Bromochloromethane
Concen: 0.664 ug/l
RT: 4.99 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	87.6	71.3	106.9





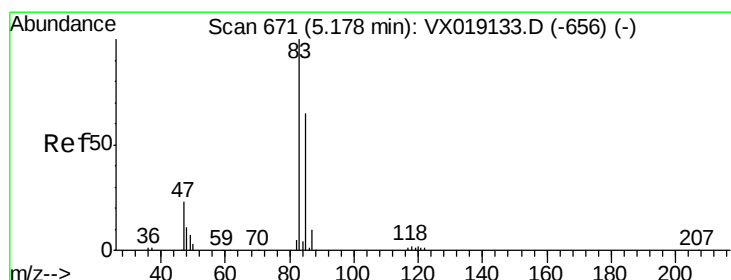
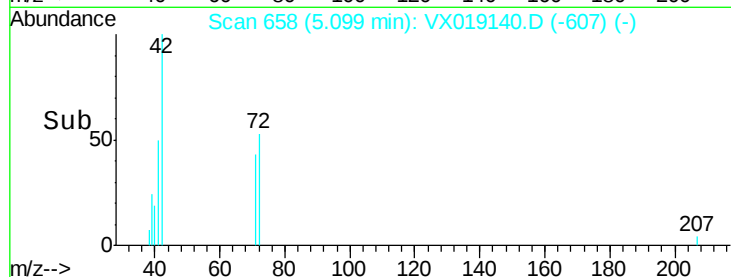
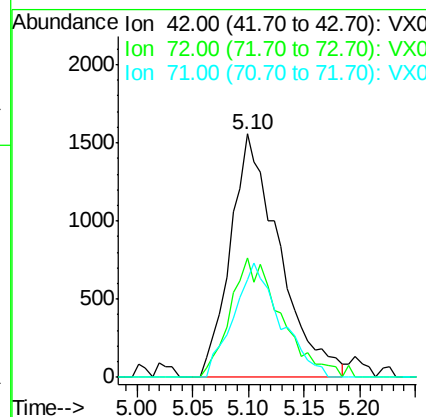
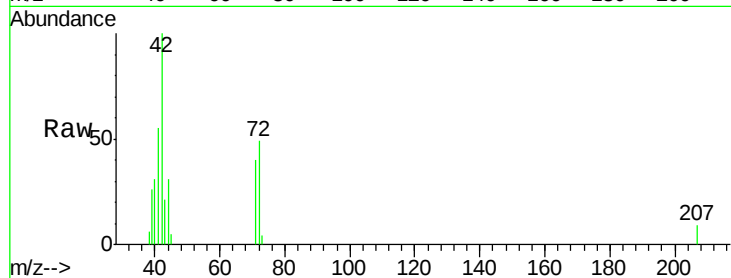
#29
Tetrahydrofuran
Concen: 3.855 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.9	42.6	63.8
71	44.6	39.7	59.5

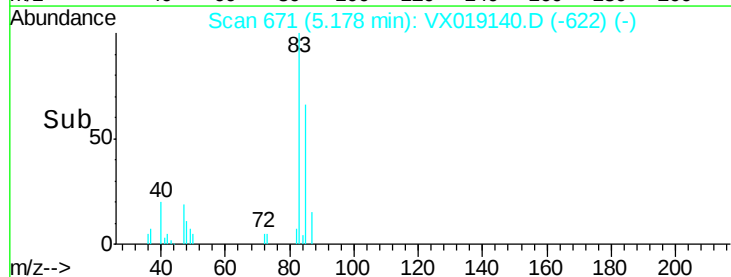
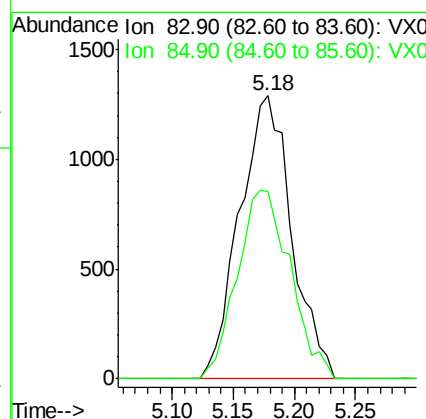
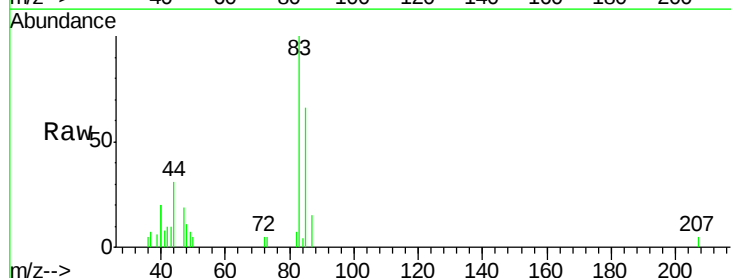
Manual Integrations
APPROVED

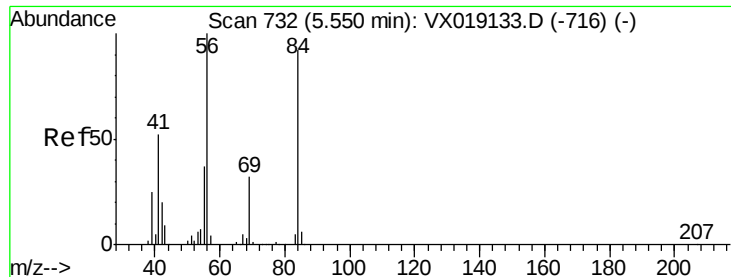
MMDadoda
10/28/2020 12:32:55 PM



#30
Chloroform
Concen: 0.701 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.9	77.9





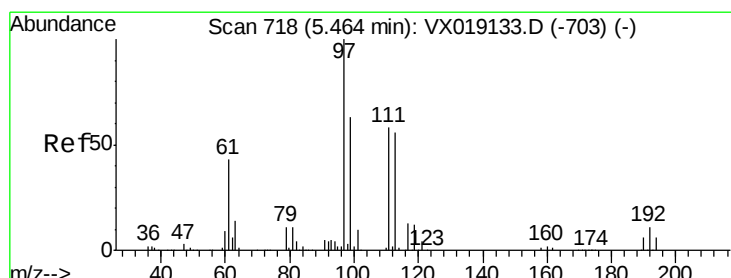
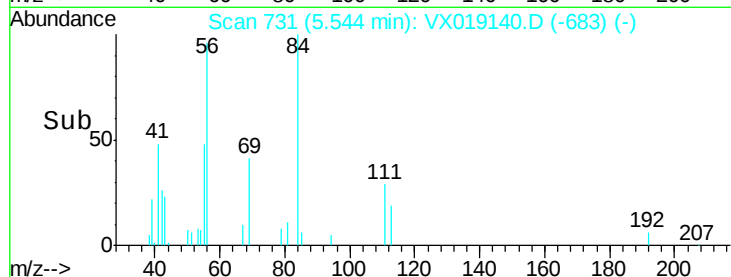
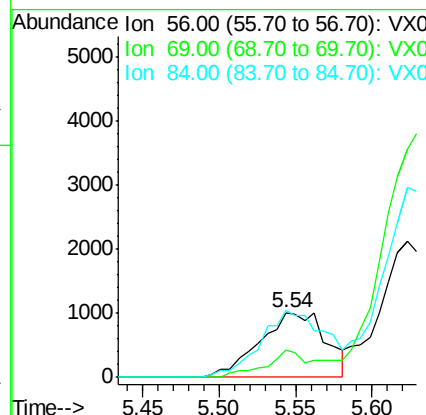
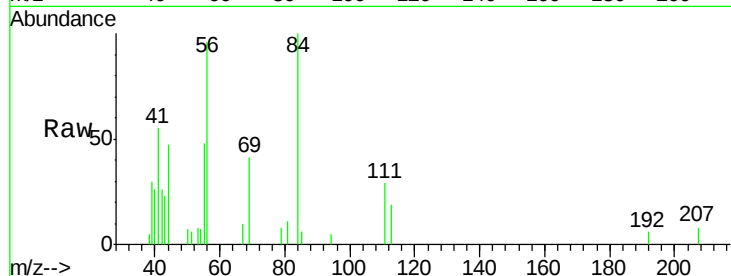
#31
Cvclohexane
Concen: 0.664 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
56	100		
69	42.8	25.9	38.9#
84	104.1	73.4	110.2

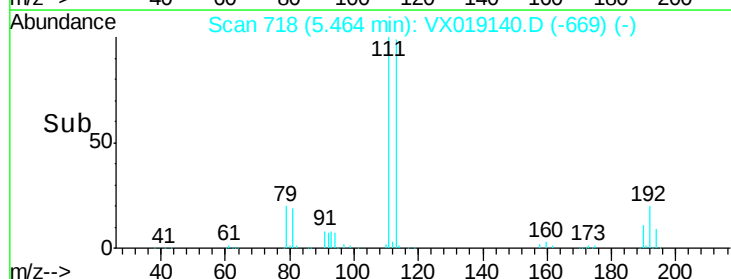
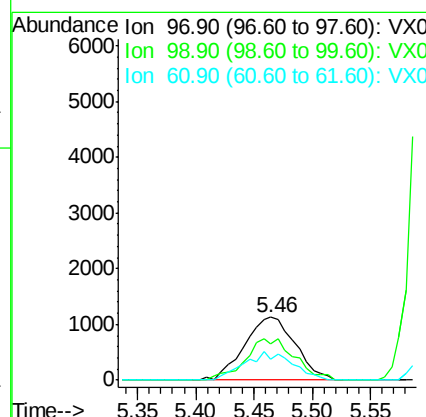
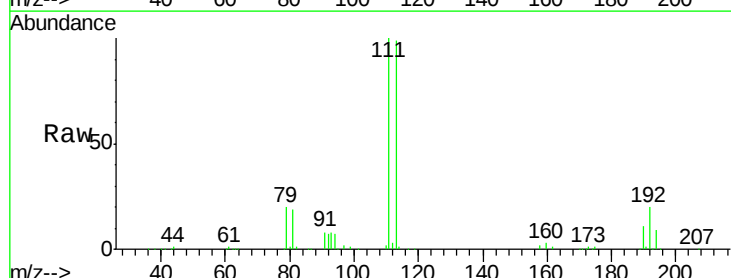
Manual Integrations
APPROVED

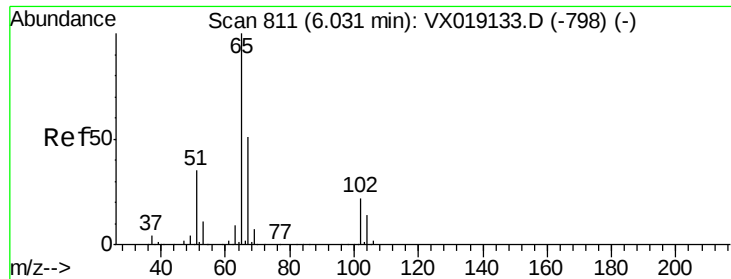
MMDadoda
10/28/2020 12:32:55 PM



#32
1,1,1-Trichloroethane
Concen: 0.691 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.7	77.5#
61	42.6	34.2	51.2





#33

1,2-Dichloroethane-d4

Concen: 49.361 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 65 Resp: 178219

Ion Ratio Lower Upper

65 100

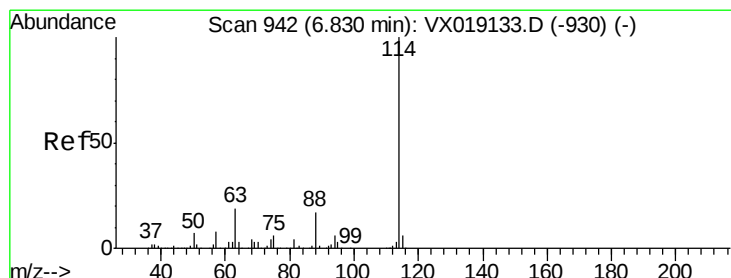
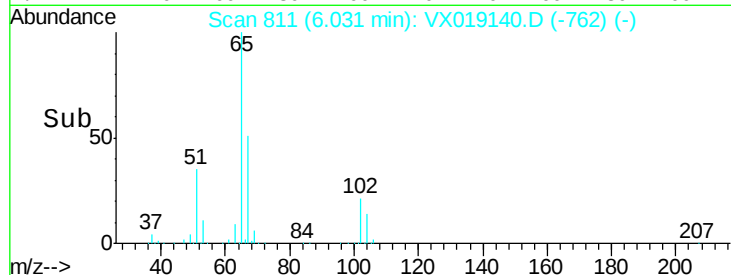
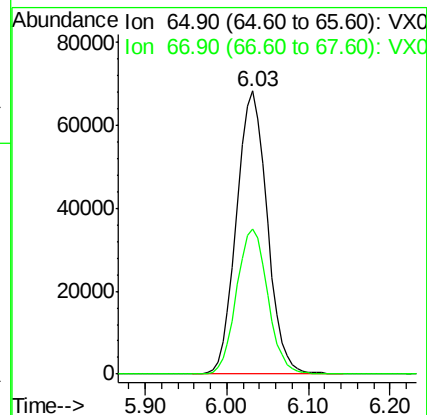
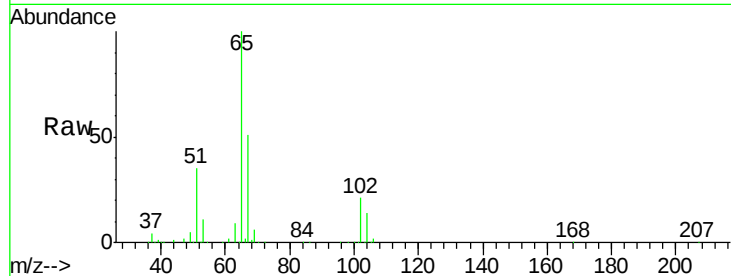
67 51.9 0.0 103.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

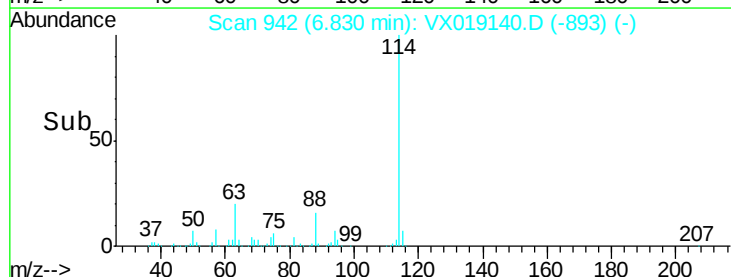
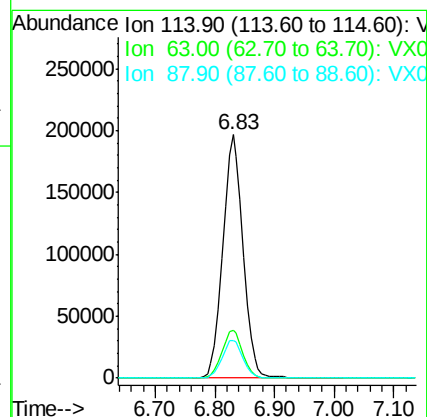
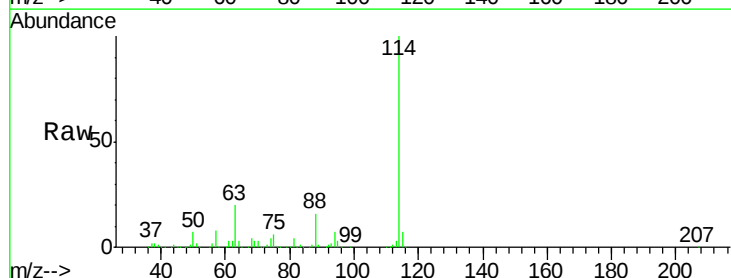
Tgt Ion: 114 Resp: 462149

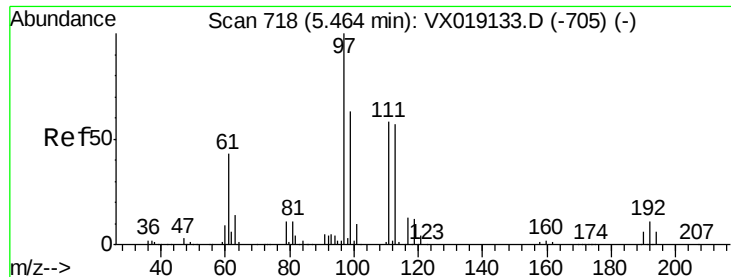
Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.8

88 15.5 0.0 34.2





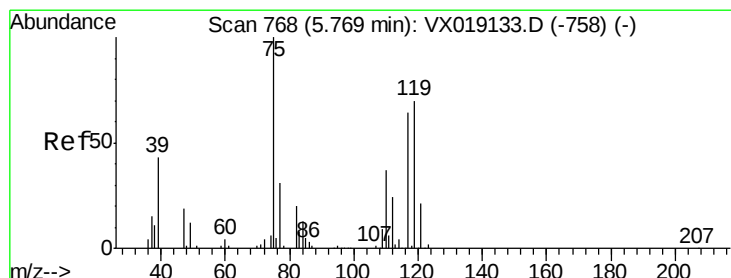
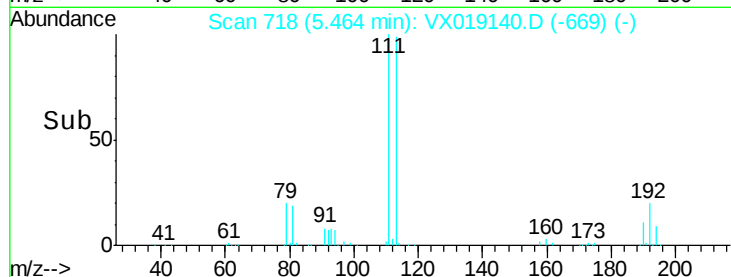
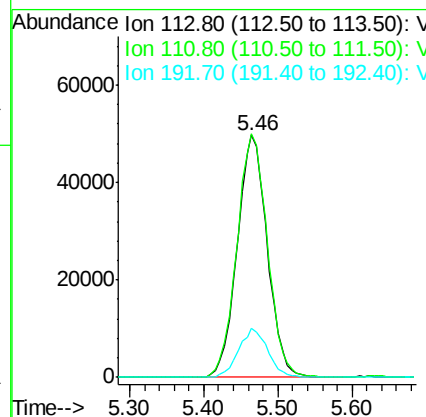
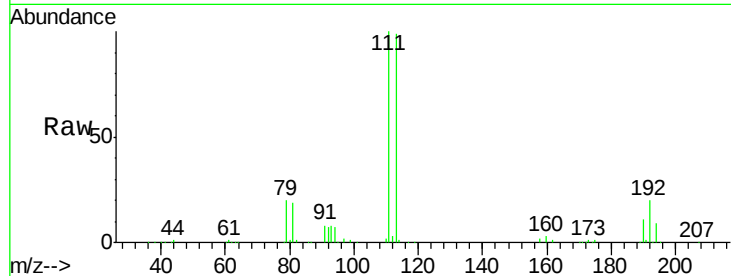
#35
Dibromofluoromethane
Concen: 48.432 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	140594		
111	102.2	82.3	123.5	
192	19.6	16.2	24.2	

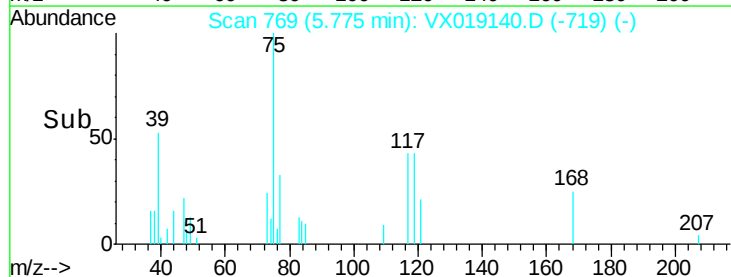
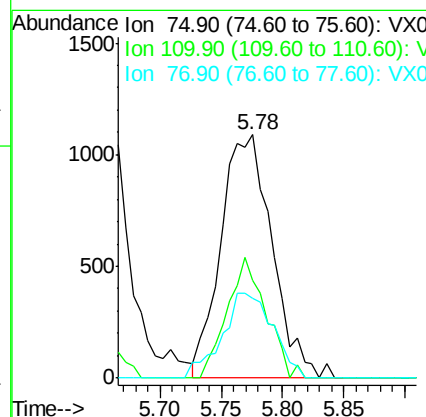
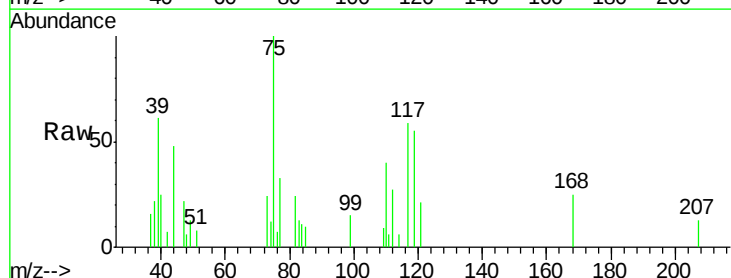
Manual Integrations
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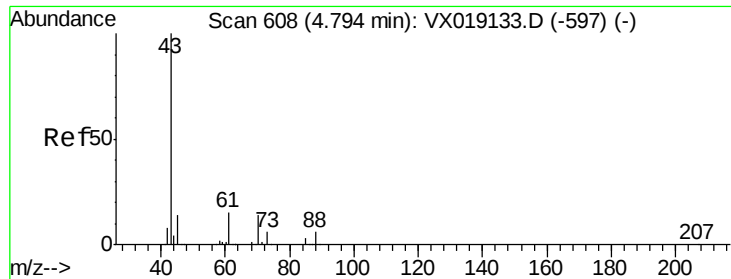
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#36
1,1-Dichloropropene
Concen: 0.745 ug/l
RT: 5.78 min Scan# 769
Delta R.T. 0.01 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	3180		
110	37.5	18.3	54.9	
77	34.2	24.9	37.3	





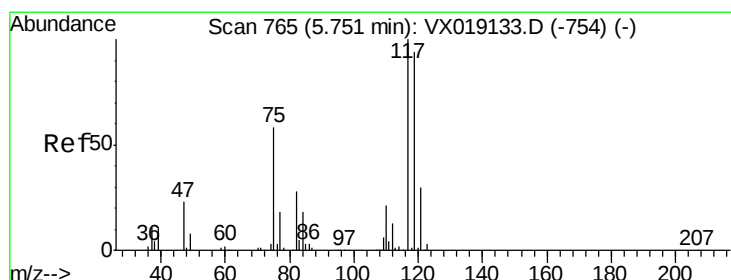
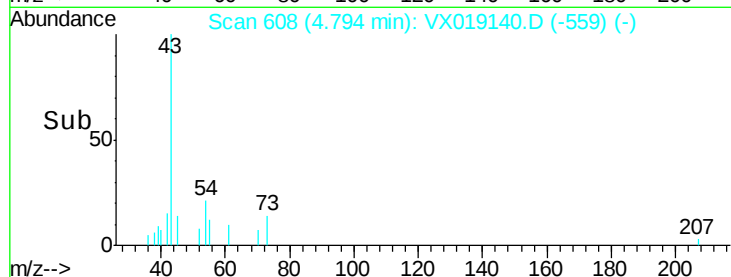
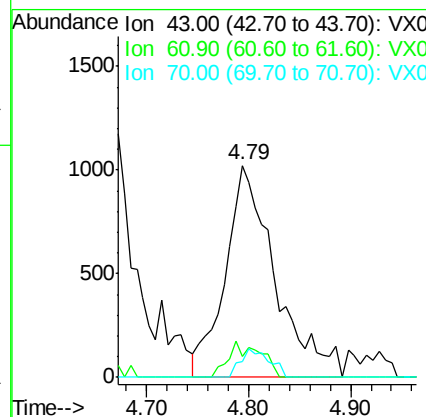
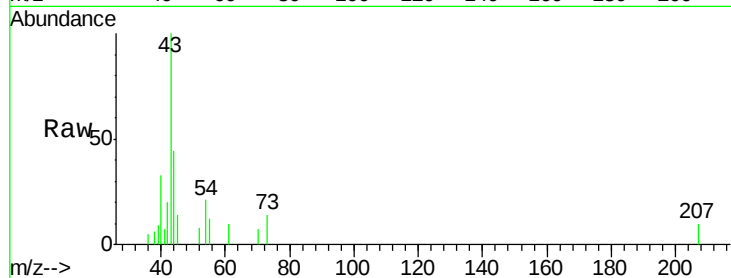
#37
Ethyl Acetate
Concen: 0.877 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.0	12.5	18.7#
70	7.7	10.5	15.7#

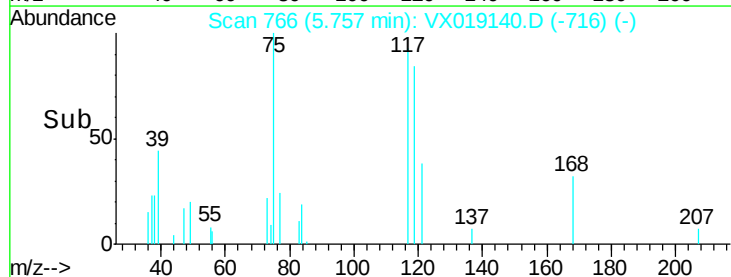
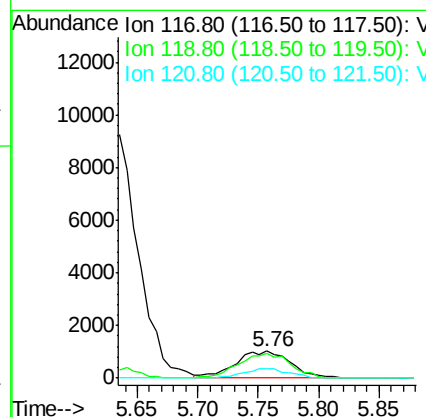
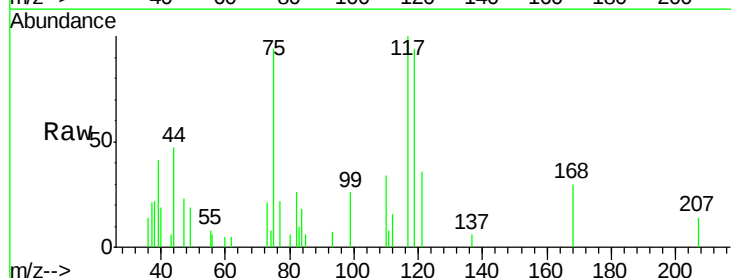
Manual Integrations
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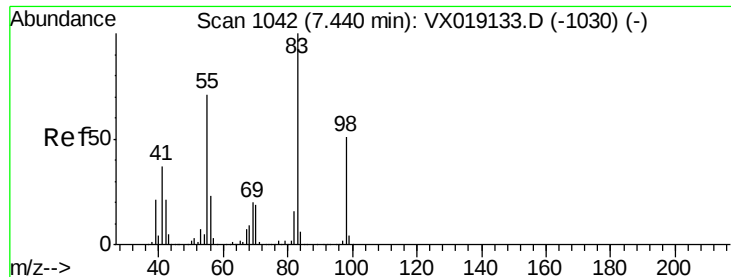
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10/28/2020 12:32:55 PM



#38
Carbon Tetrachloride
Concen: 0.755 ug/l m
RT: 5.76 min Scan# 766
Delta R.T. 0.01 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.0	112.6
121	35.5	23.9	35.9





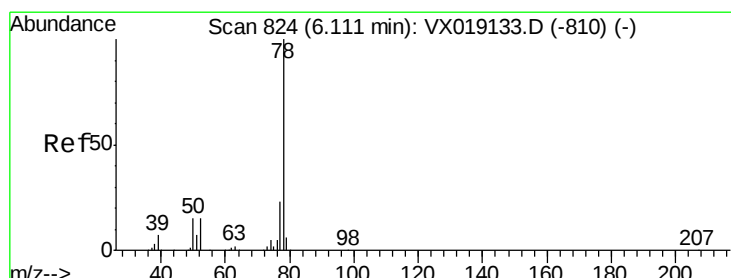
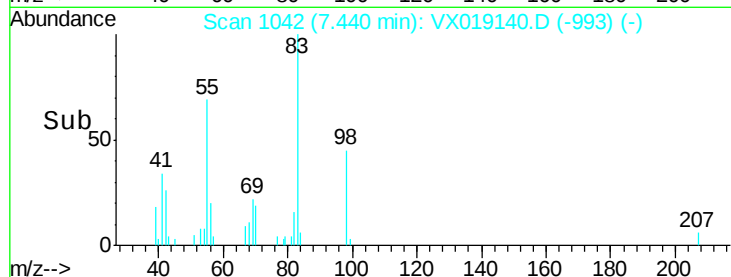
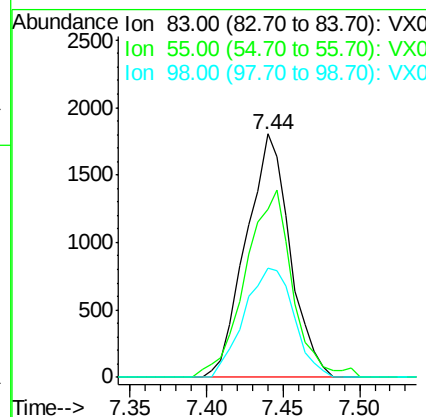
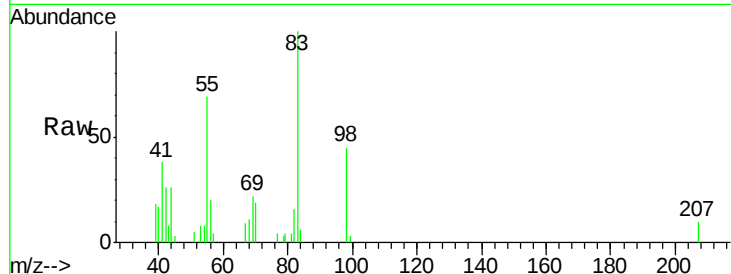
#39
Methvlcvclohexane
Concen: 0.707 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.8	57.0	85.6
98	44.8	40.5	60.7

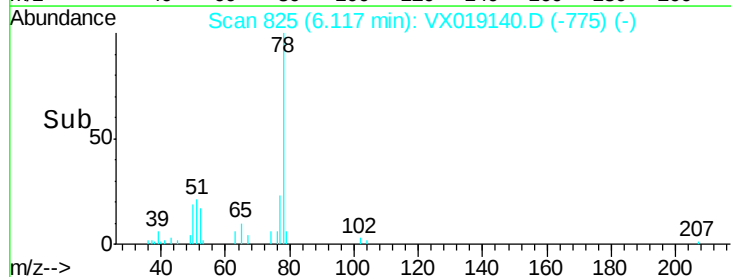
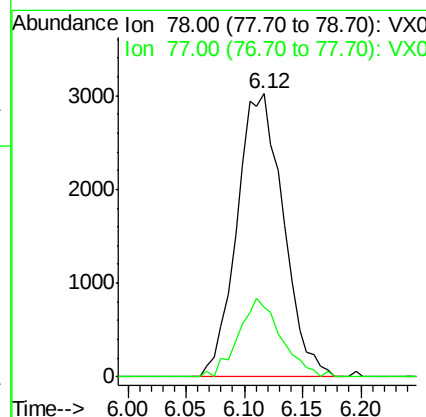
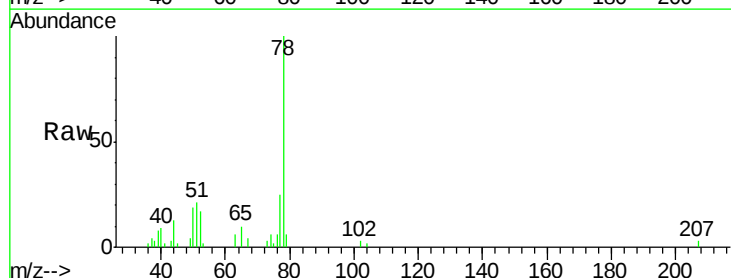
Manual Integrations
APPROVED

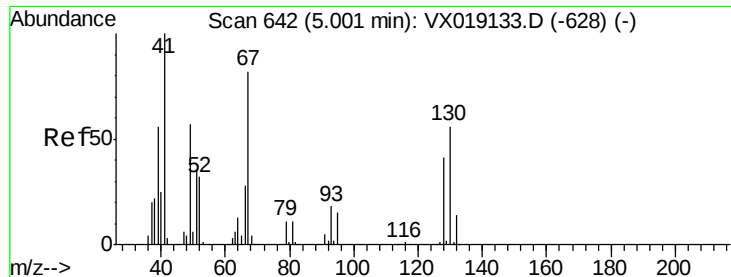
MMDadoda
10/28/2020 12:32:55 PM



#40
Benzene
Concen: 0.691 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.7	28.1





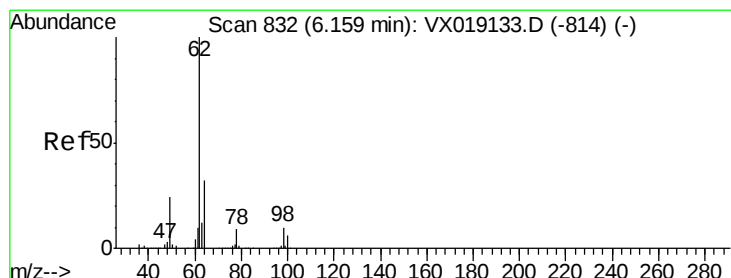
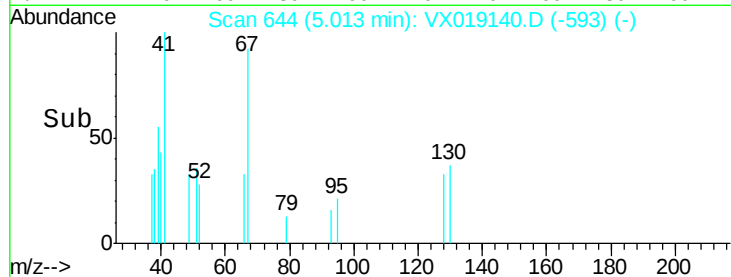
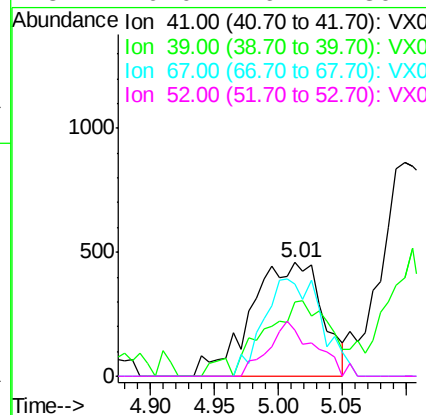
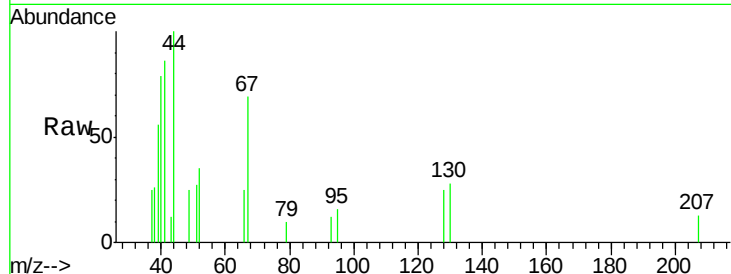
#41
Methacrylonitrile
Concen: 0.837 ug/l m
RT: 5.01 min Scan# 644
Delta R.T. 0.01 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.4	66.6#
67	0.0	66.4	99.6#
52	0.0	26.2	39.4#

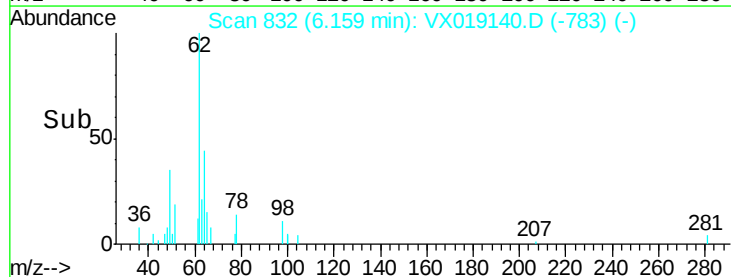
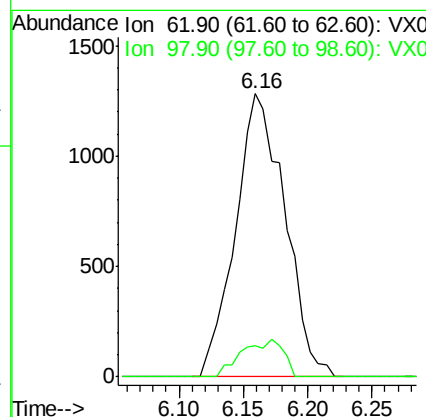
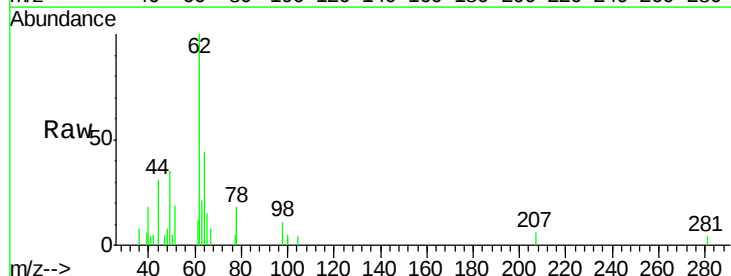
Manual Integrations
APPROVED

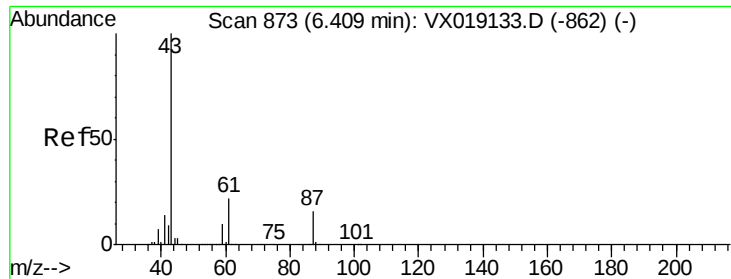
MMDadoda
10/28/2020 12:32:55 PM



#42
1,2-Dichloroethane
Concen: 0.769 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.00 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	19.0





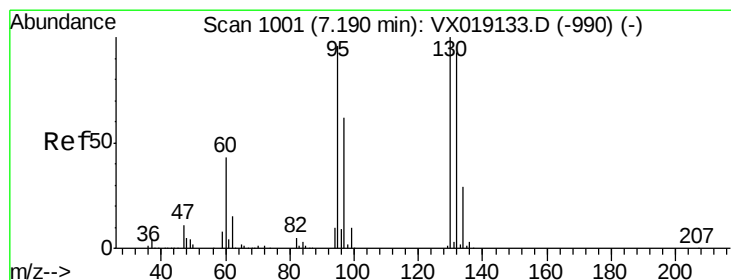
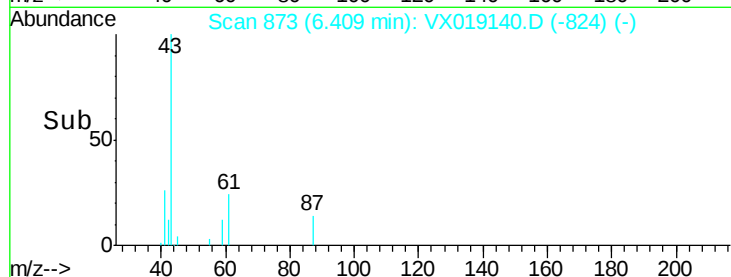
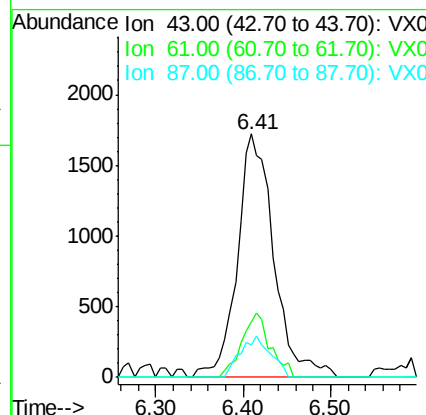
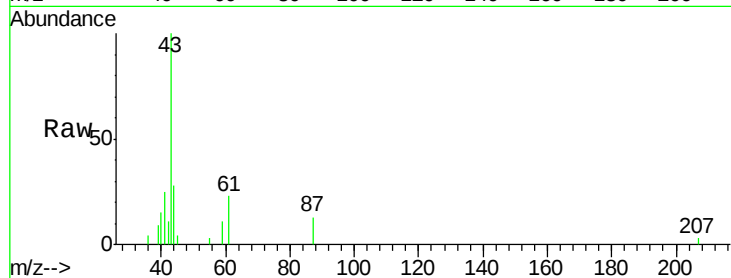
#43
Isopropyl Acetate
Concen: 0.753 ug/l
RT: 6.41 min Scan# 873
Delta R.T. -0.00 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	17.8	26.6
87	14.1	12.6	19.0

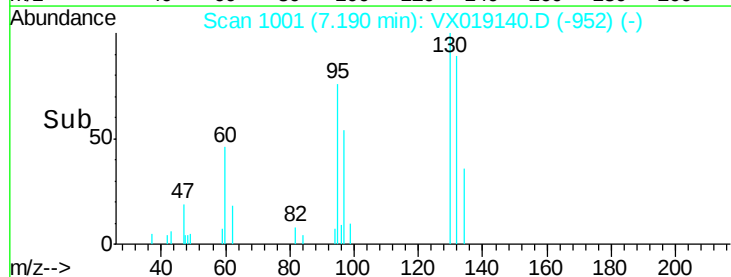
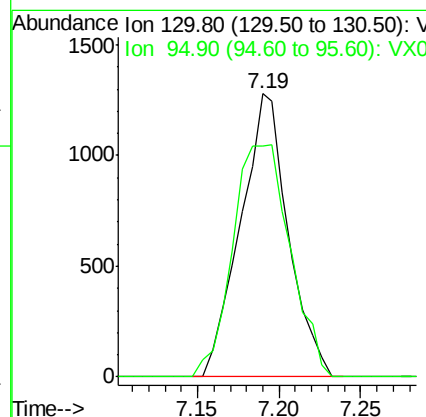
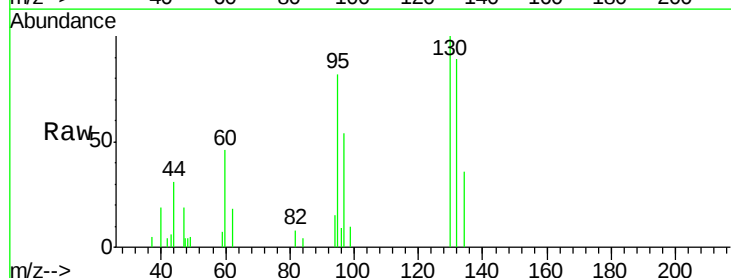
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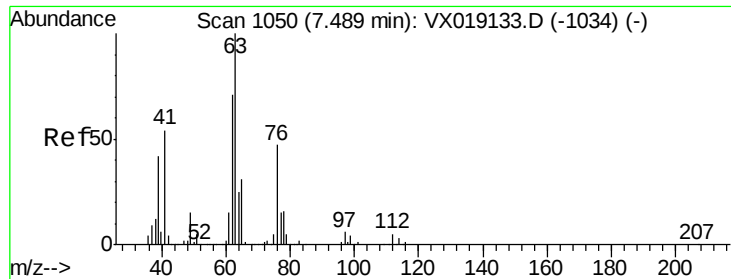
MMDadoda
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#44
Trichloroethene
Concen: 0.750 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	81.7	0.0	192.0





#45

1,2-Dichloropropane

Concen: 0.677 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 63 Resp: 2007

Ion Ratio Lower Upper

63 100

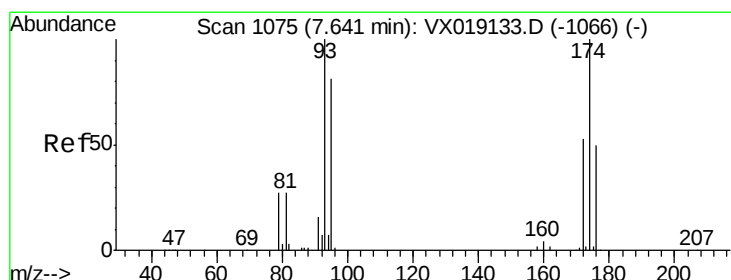
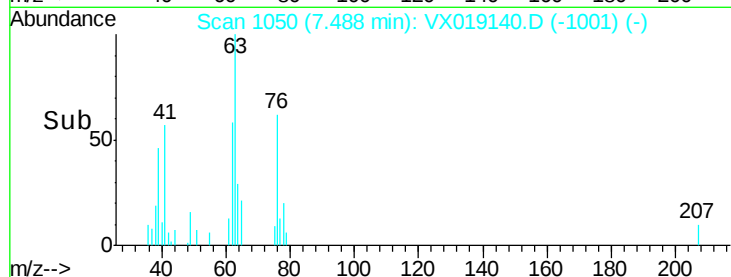
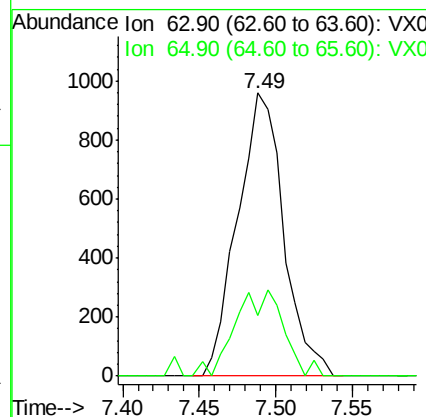
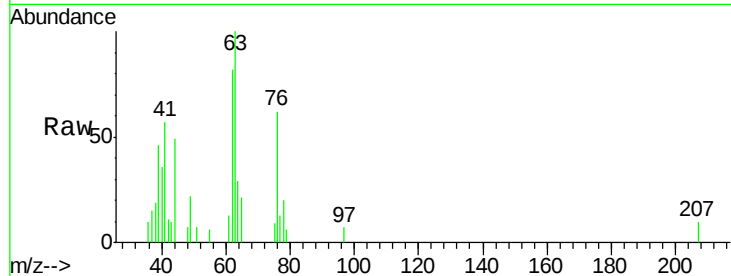
65 21.3 25.2 37.8#

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#46

Dibromomethane

Concen: 0.713 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

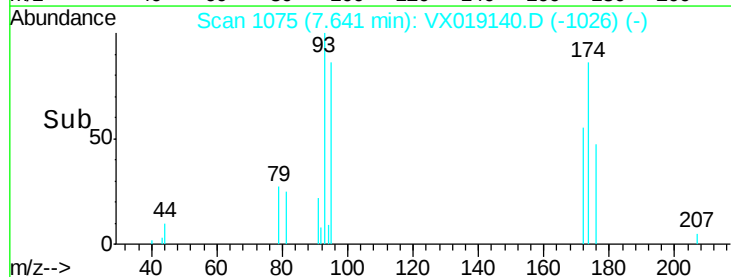
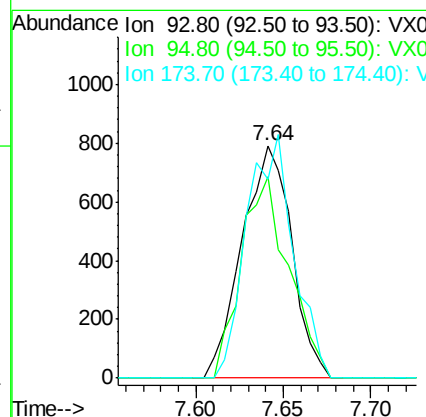
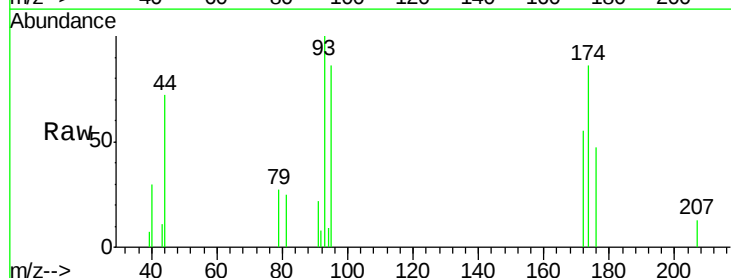
Tgt Ion: 93 Resp: 1563

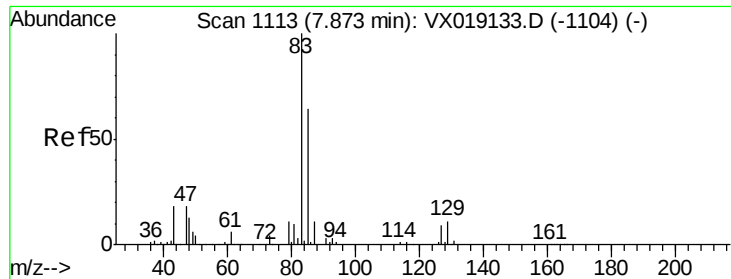
Ion Ratio Lower Upper

93 100

95 83.0 67.0 100.6

174 98.7 81.7 122.5





#47

Bromodichloromethane

Concen: 0.669 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

Instrument :

MSVOA_X

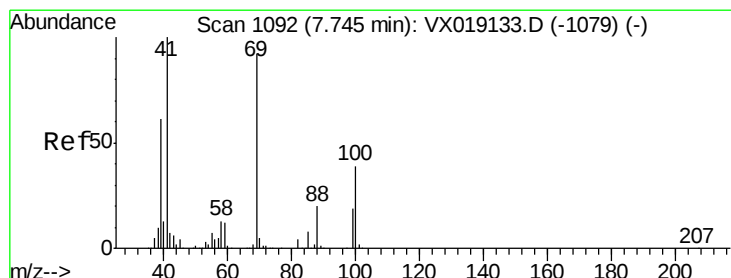
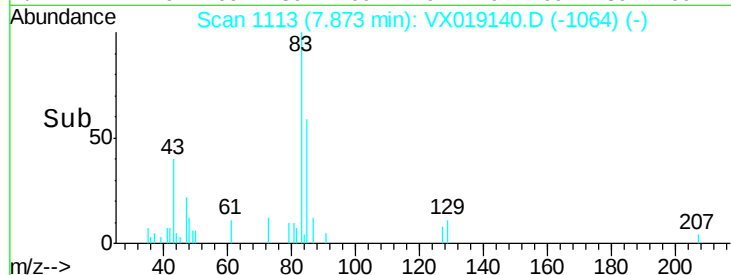
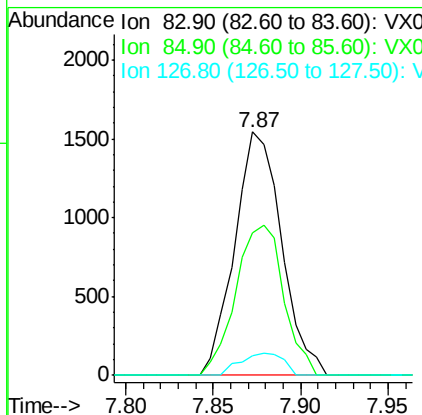
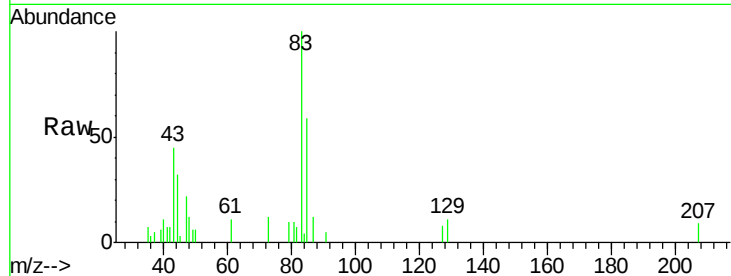
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	83	Resp:	2888
Ion	Ratio	Lower	Upper
83	100		
85	58.8	51.2	76.8
127	8.1	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 0.723 ug/l

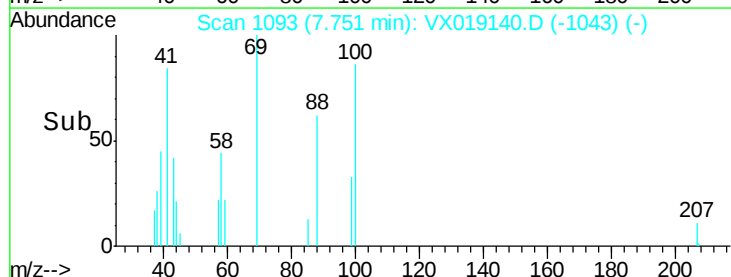
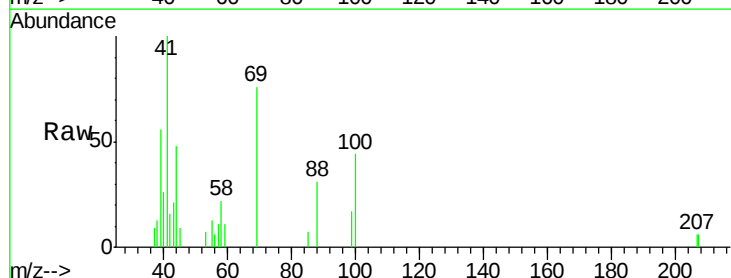
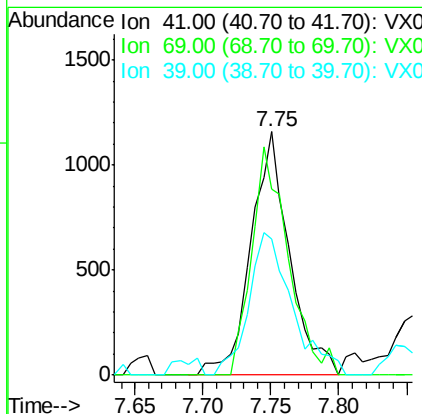
RT: 7.75 min Scan# 1093

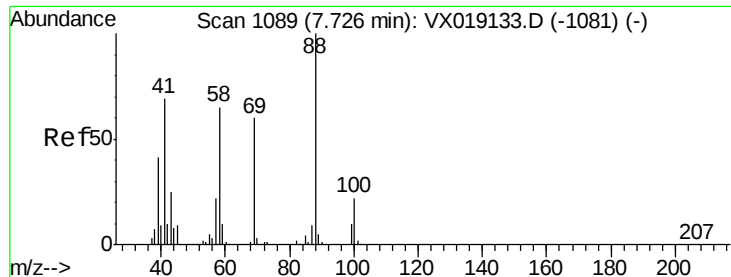
Delta R.T. 0.01 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

Tgt Ion:	41	Resp:	2309
Ion	Ratio	Lower	Upper
41	100		
69	88.8	75.5	113.3
39	65.8	48.9	73.3





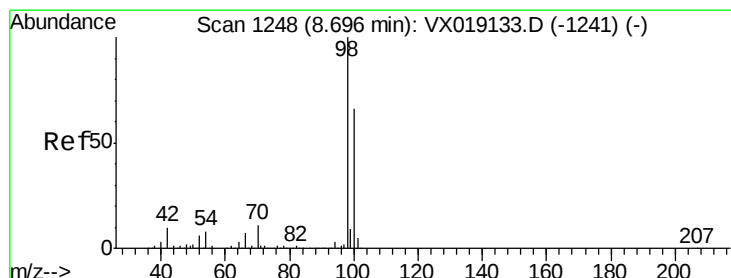
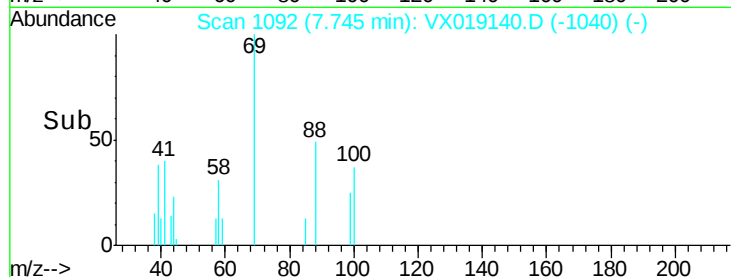
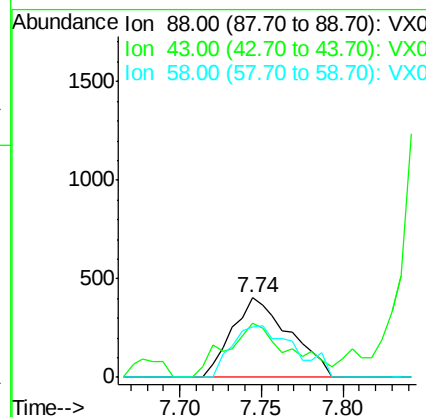
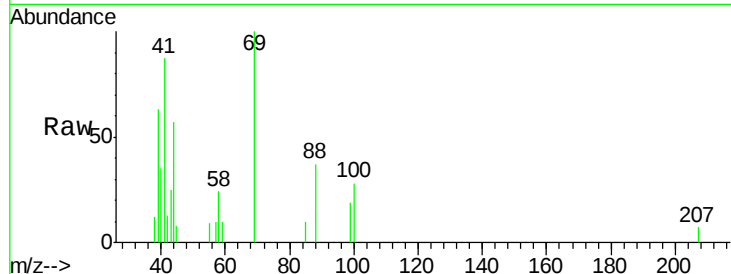
#49
1,4-Dioxane
Concen: 13.969 ug/l
RT: 7.74 min Scan# 1092
Delta R.T. 0.02 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
88	100		
43	76.0	23.0	34.6#
58	70.2	52.2	78.2

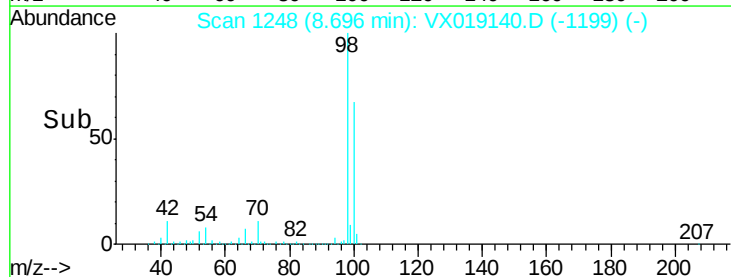
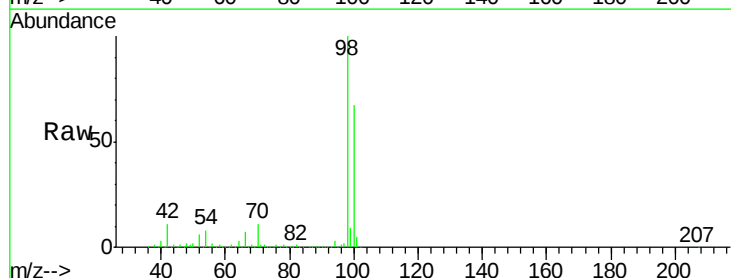
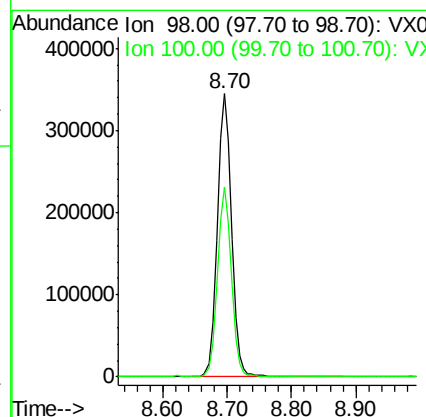
Manual Integrations
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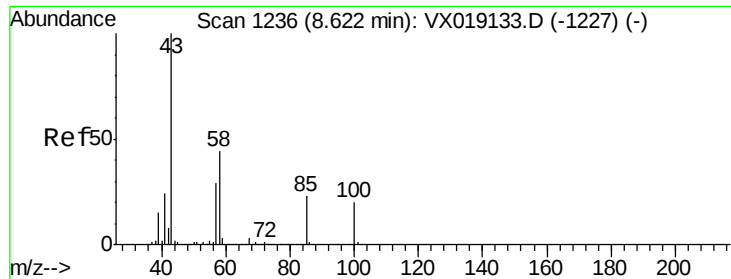
MMDadoda
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#50
Toluene-d8
Concen: 49.119 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 3.492 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 13315

Ion Ratio Lower Upper

43 100

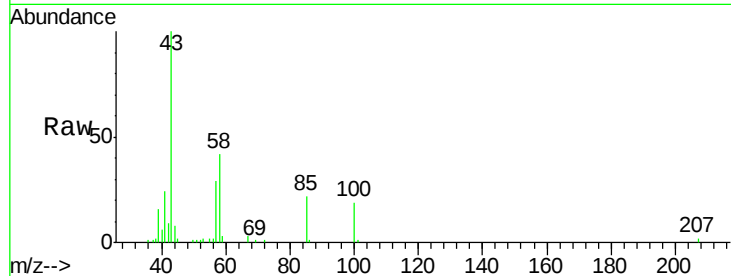
58 42.3 35.0 52.4

Manual Integrations

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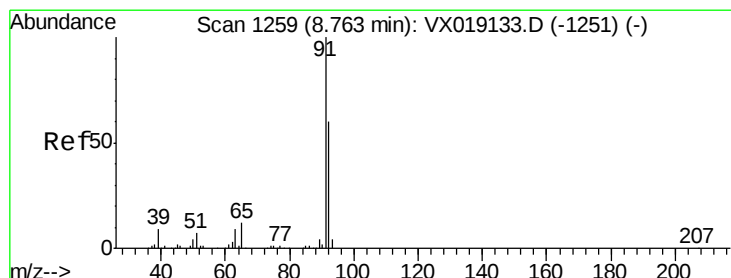
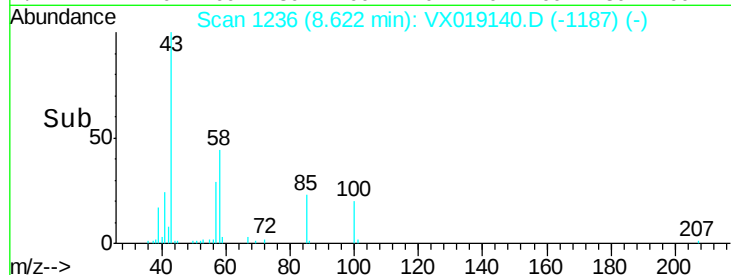
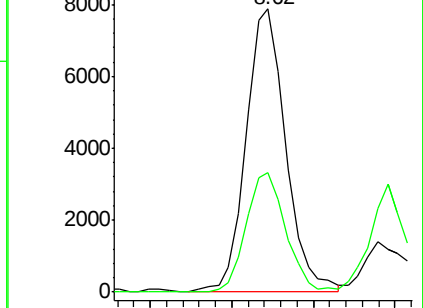
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 0.722 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019140.D

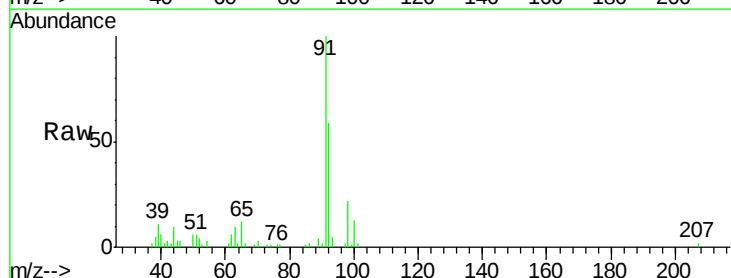
Acq: 27 Oct 2020 16:49

Tgt Ion: 92 Resp: 5623

Ion Ratio Lower Upper

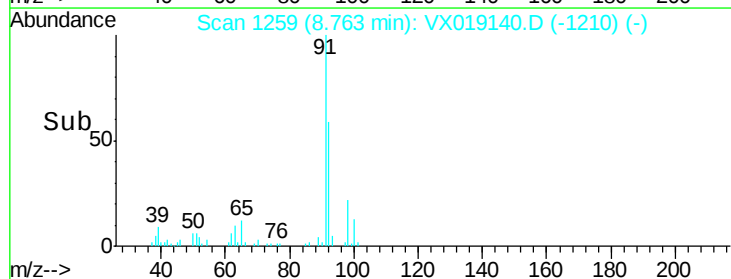
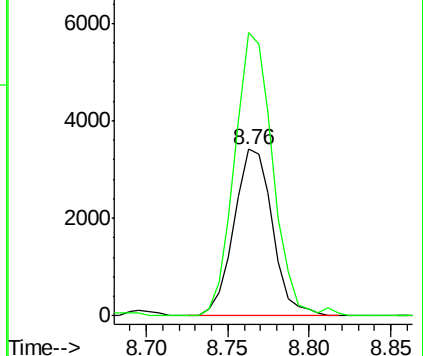
92 100

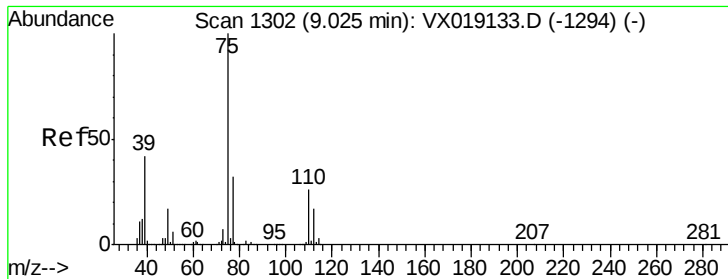
91 168.6 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 0.636 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX019140.D

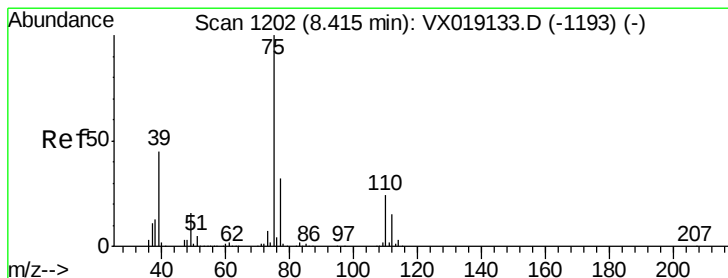
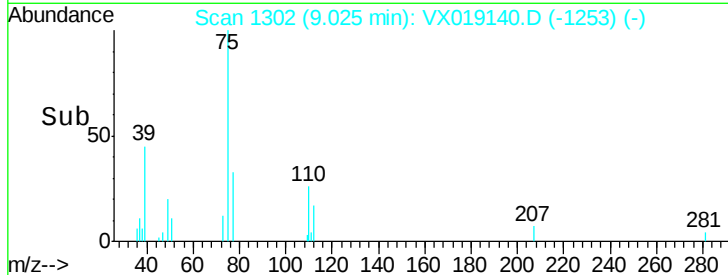
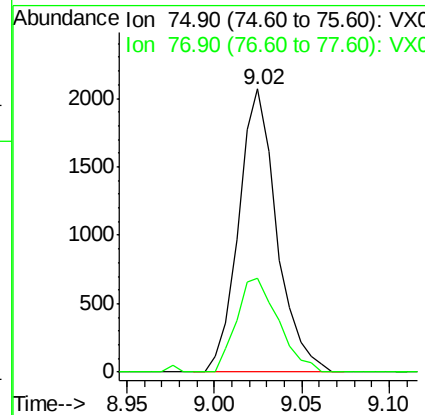
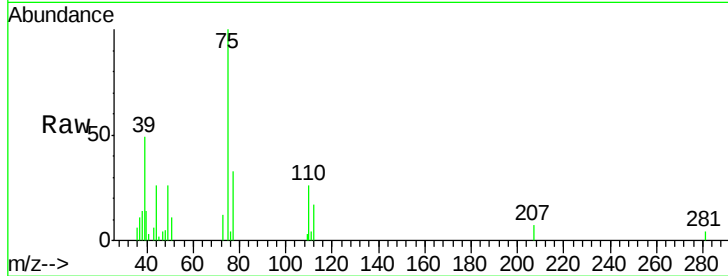
Acq: 27 Oct 2020 16:49

Tot Ion	75	Resp	3137
Ion Ratio	Lower	Upper	
75	100		
77	33.2	25.4	38.0

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

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#54

cis-1,3-Dichloropropene

Concen: 0.679 ug/l

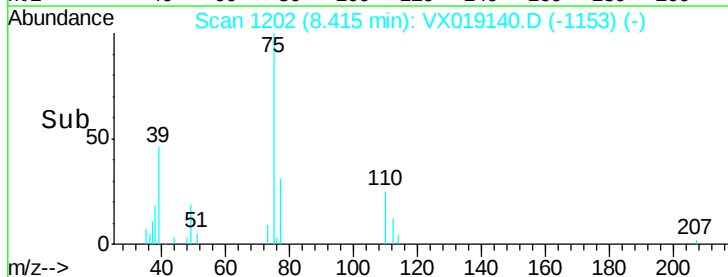
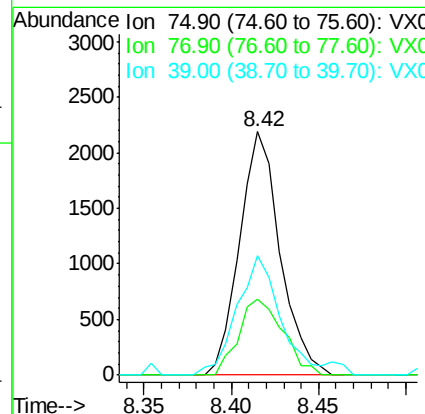
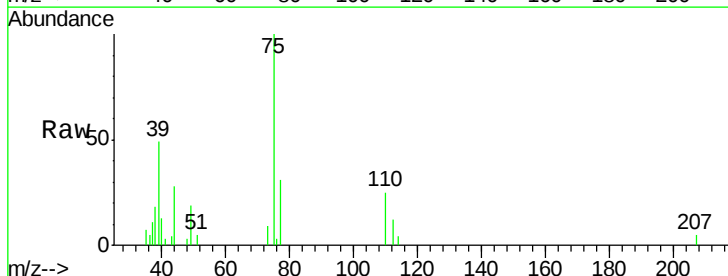
RT: 8.42 min Scan# 1202

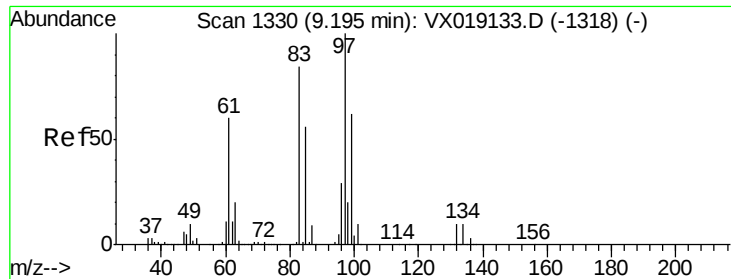
Delta R.T. -0.00 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

Tgt Ion	75	Resp	3521
Ion Ratio	Lower	Upper	
75	100		
77	31.3	25.5	38.3
39	49.2	36.2	54.2





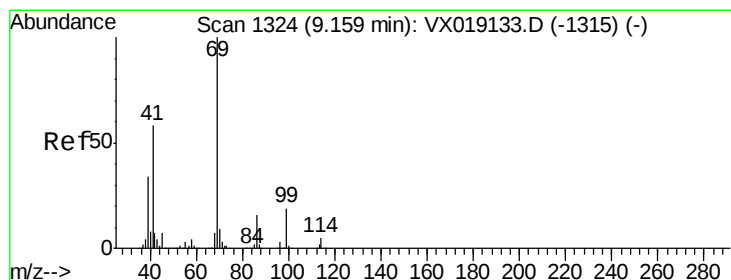
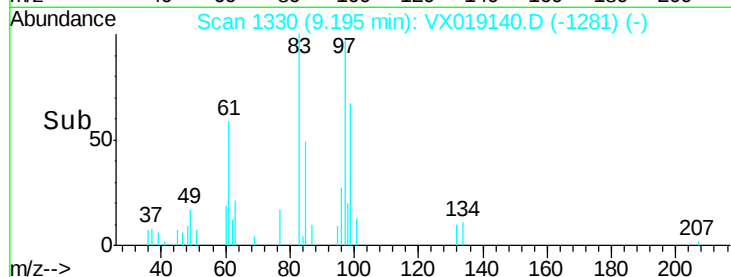
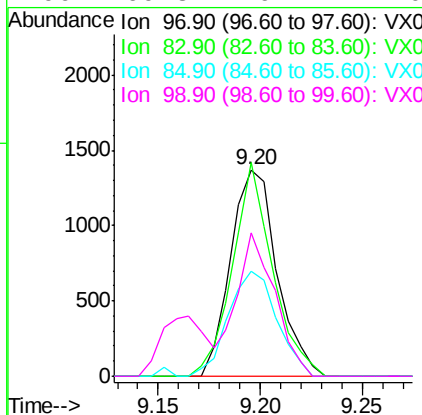
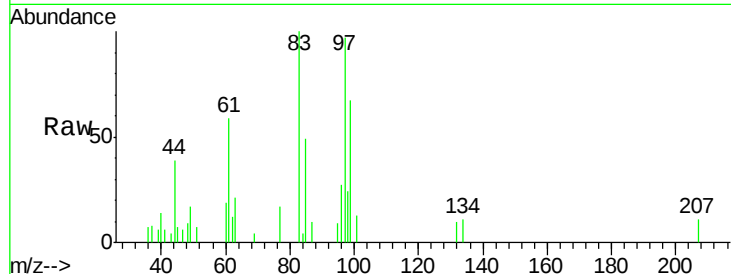
#55
 1,1,2-Trichloroethane
 Concen: 0.702 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX019140.D
 Acq: 27 Oct 2020 16:49

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion:	97	Resp:	2163
Ion	Ratio	Lower	Upper
97	100		
83	103.4	67.2	100.8#
85	50.7	44.6	67.0
99	69.3	49.4	74.0

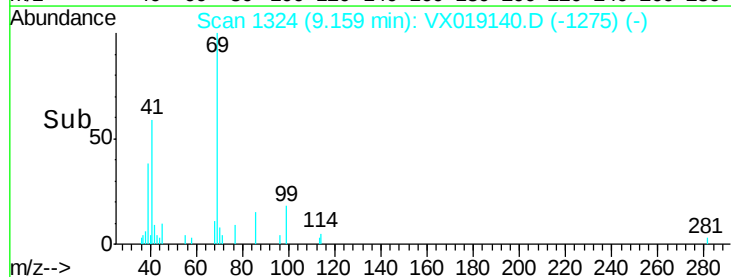
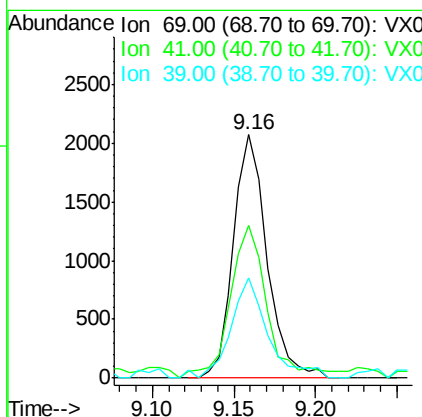
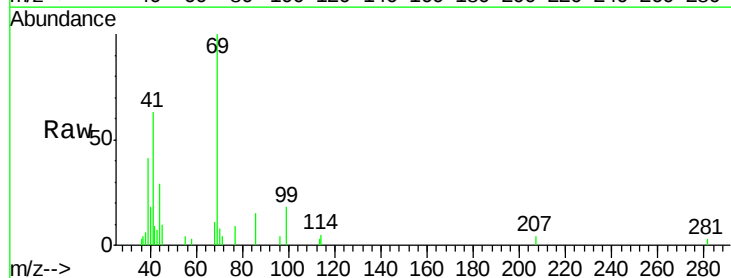
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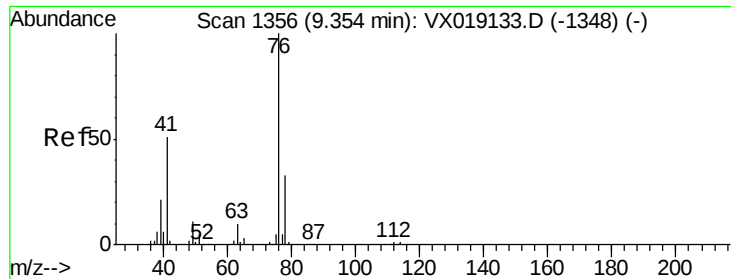
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#56
 Ethyl methacrylate
 Concen: 0.640 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX019140.D
 Acq: 27 Oct 2020 16:49

Tgt Ion:	69	Resp:	2975
Ion	Ratio	Lower	Upper
69	100		
41	69.3	46.5	69.7
39	45.3	27.6	41.4#





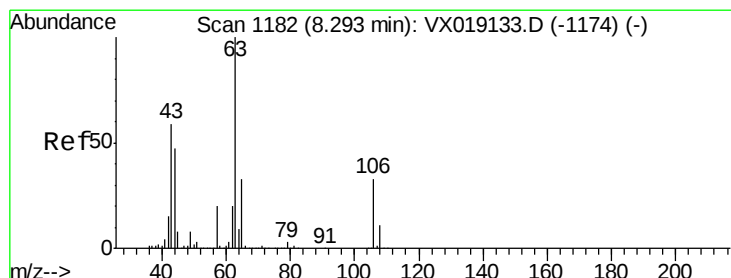
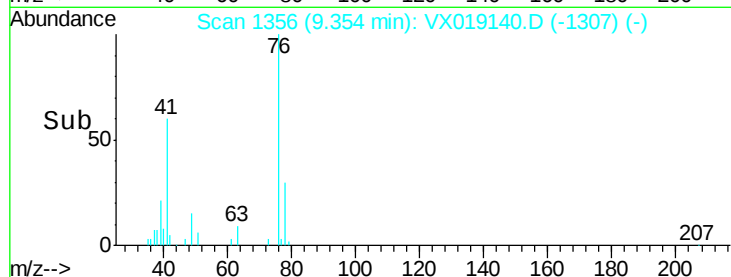
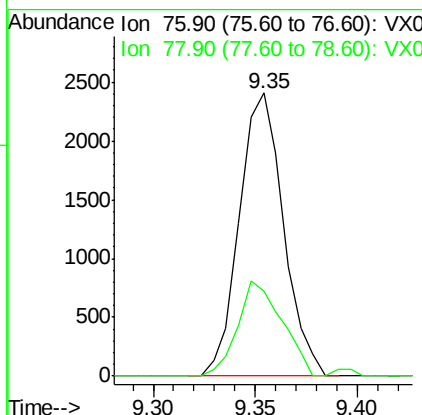
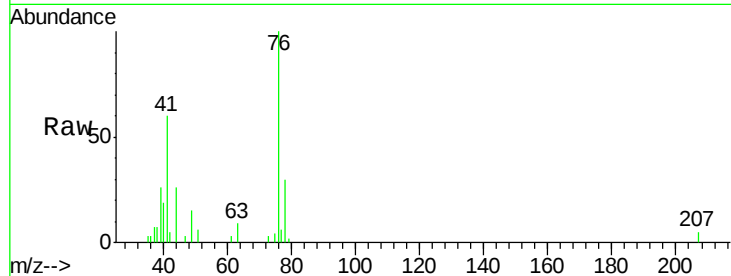
#57
 1,3-Dichloropropane
 Concen: 0.695 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VX019140.D
 Acq: 27 Oct 2020 16:49

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.6	25.9	38.9

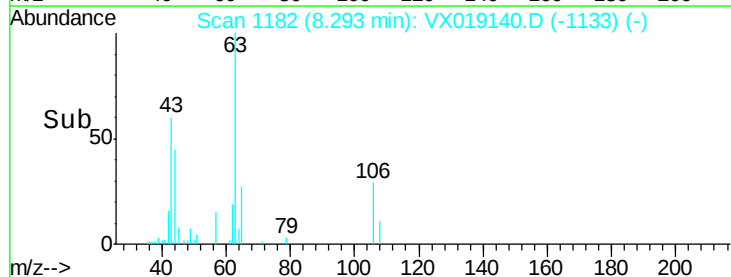
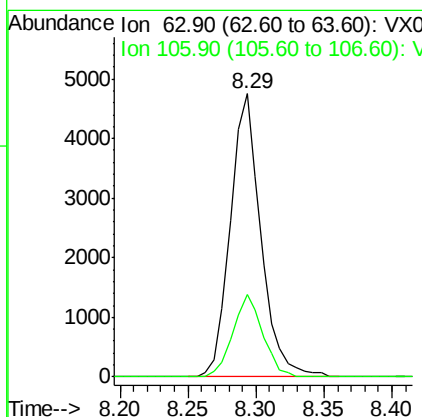
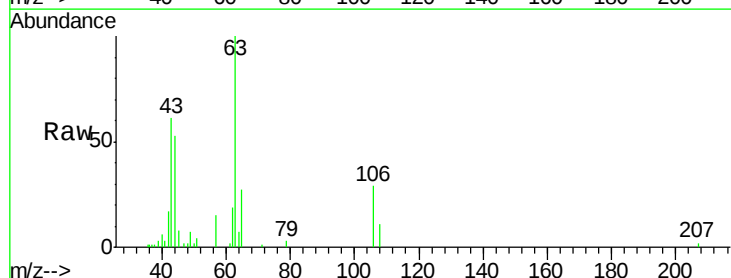
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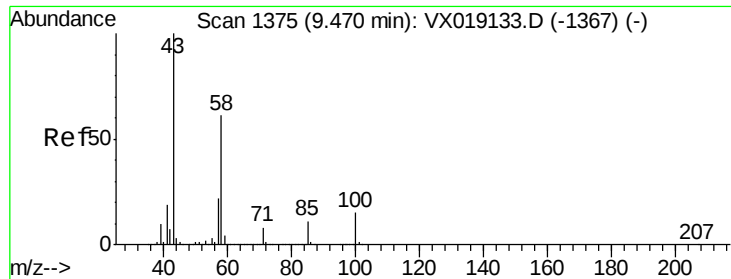
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#58
 2-Chloroethyl Vinyl ether
 Concen: 2.848 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VX019140.D
 Acq: 27 Oct 2020 16:49

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	25.1	37.7





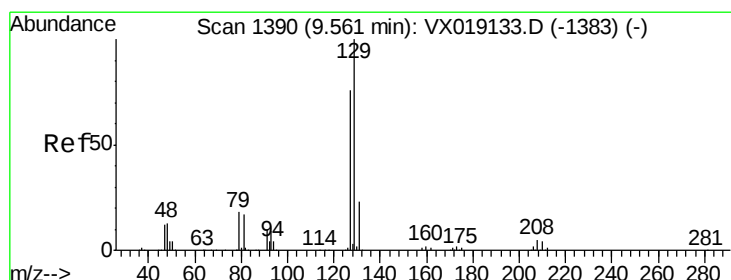
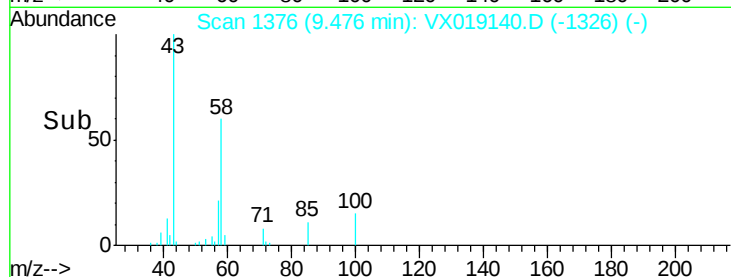
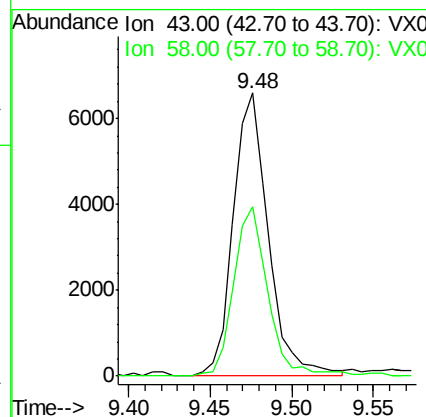
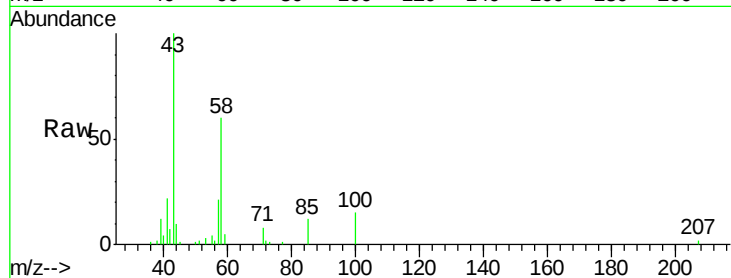
#59
2-Hexanone
Concen: 3.403 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 9878
Ion Ratio Lower Upper
43 100
58 58.5 30.5 91.5

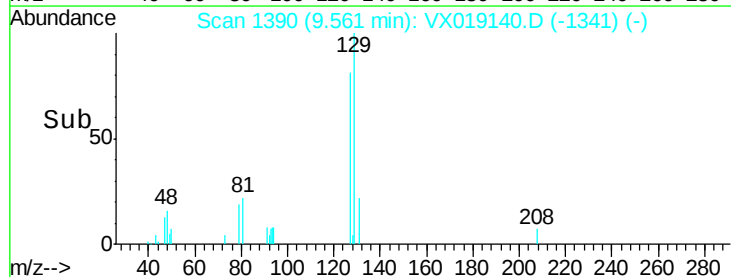
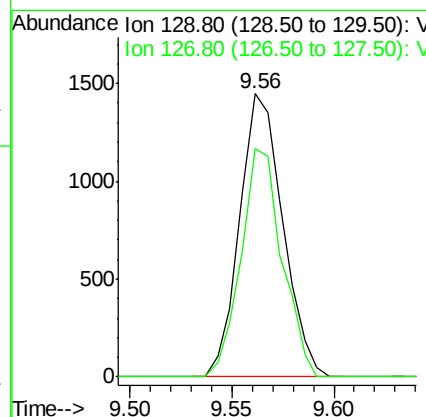
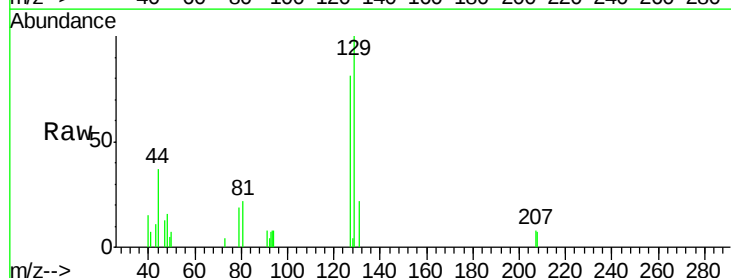
Manual Integrations
APPROVED

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#60
Dibromochloromethane
Concen: 0.636 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Tgt Ion: 129 Resp: 2124
Ion Ratio Lower Upper
129 100
127 76.5 38.6 115.8





#61

1,2-Dibromoethane

Concen: 0.669 ug/l

RT: 9.66 min Scan# 1406

Delta R.T. 0.01 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 107 Resp: 2203

Ion Ratio Lower Upper

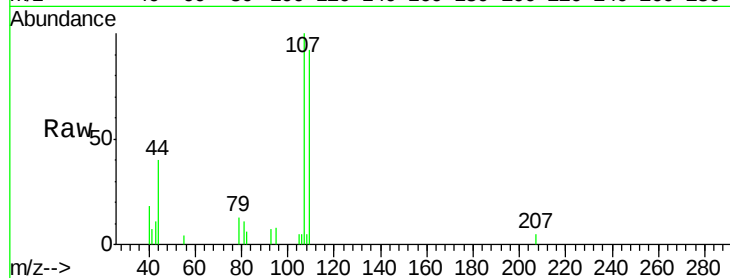
107 100

109 95.0 75.9 113.9

Manual Integrations
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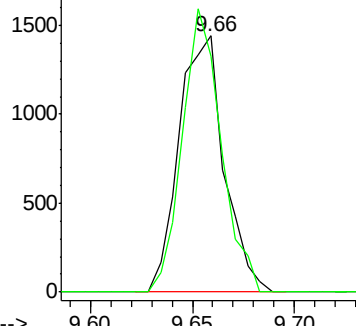
MMDadoda

10/28/2020 12:32:55 PM

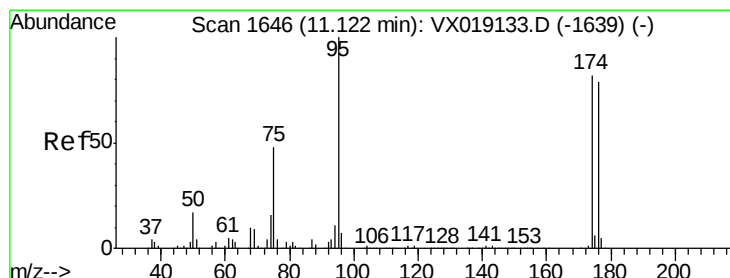
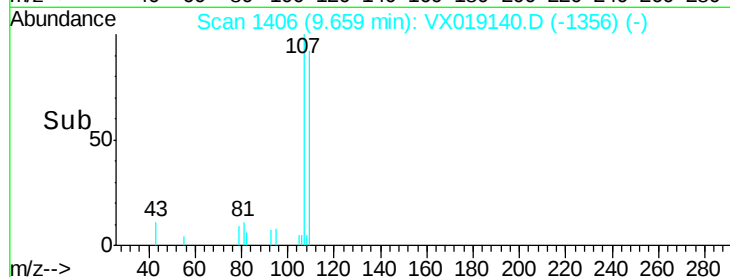


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 47.234 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

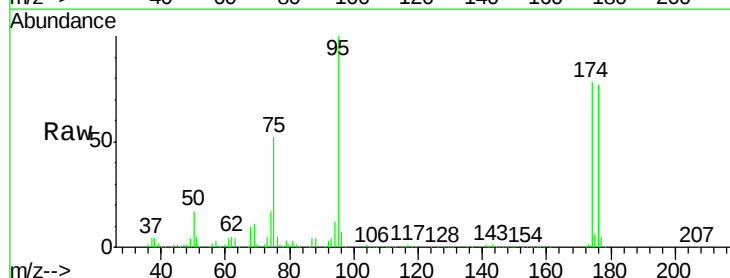
Tgt Ion: 95 Resp: 195748

Ion Ratio Lower Upper

95 100

174 76.3 0.0 156.0

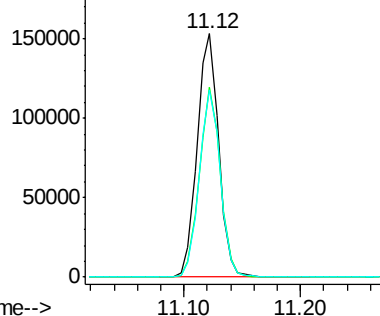
176 75.7 0.0 149.8



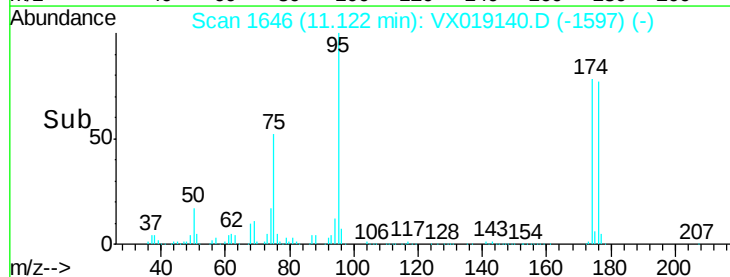
Abundance Ion 94.90 (94.60 to 95.60): VX0

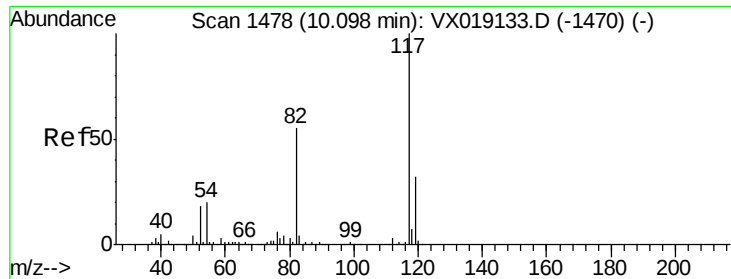
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





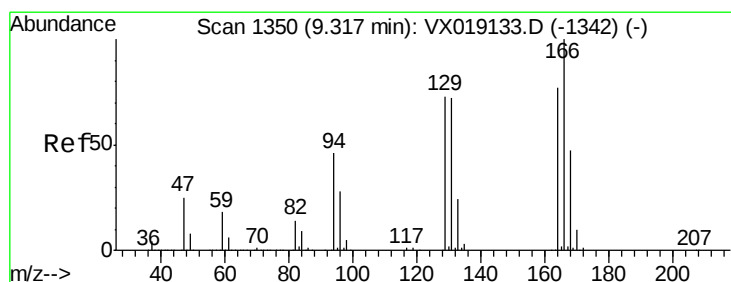
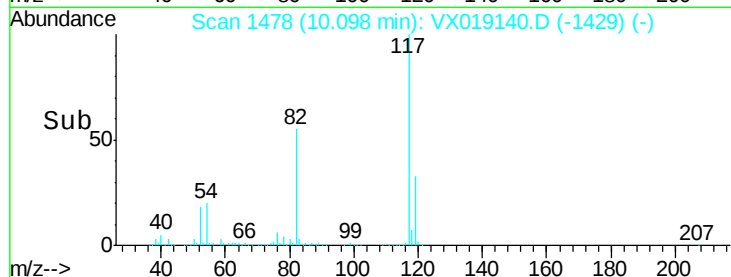
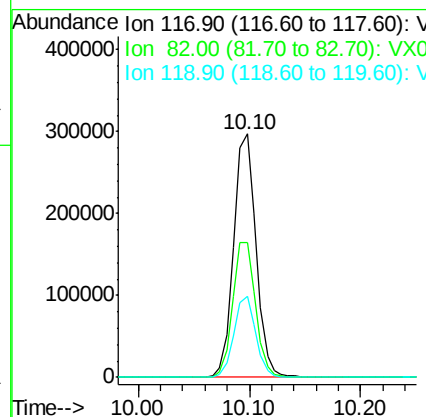
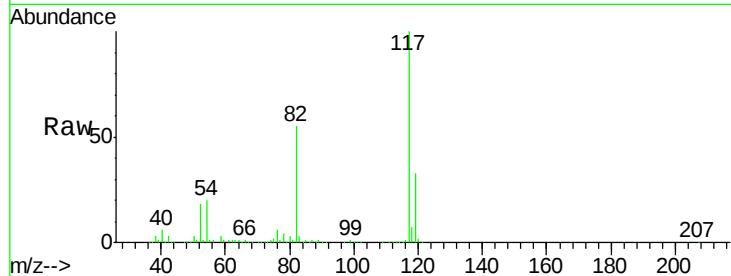
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	413506		
82	55.5	43.6	65.4	
119	33.3	25.5	38.3	

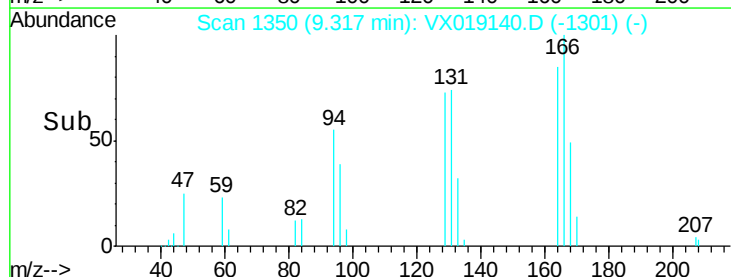
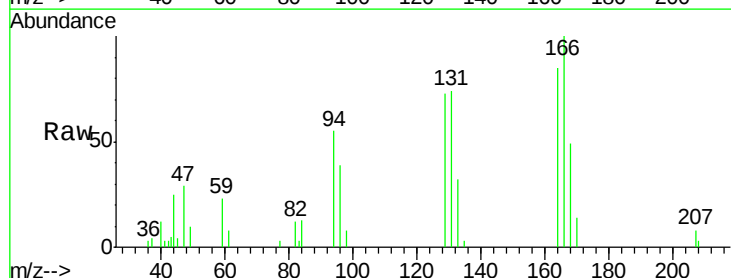
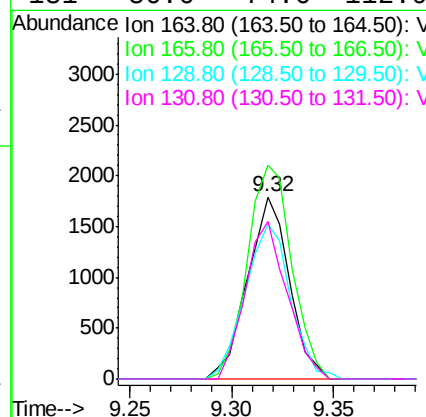
Manual Integrations
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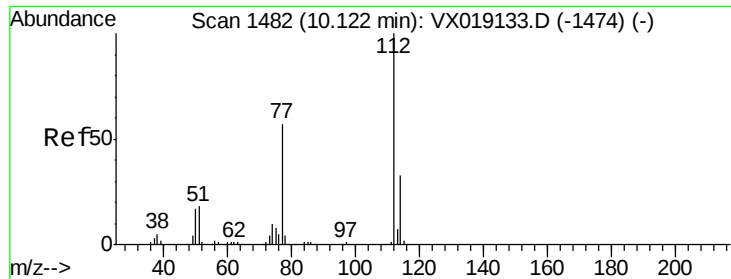
MMDadoda
10/28/2020 12:32:55 PM



#64
Tetrachloroethene
Concen: 0.809 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	2550		
166	117.4	104.1	156.1	
129	85.4	76.2	114.4	
131	86.6	74.6	112.0	





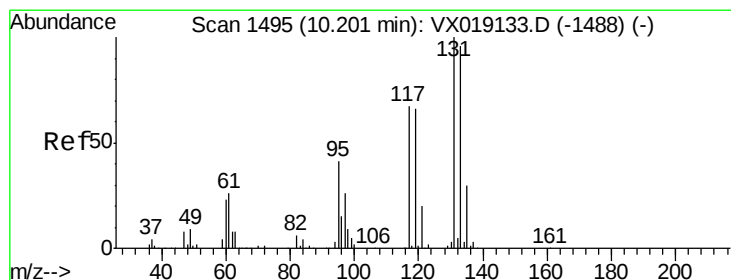
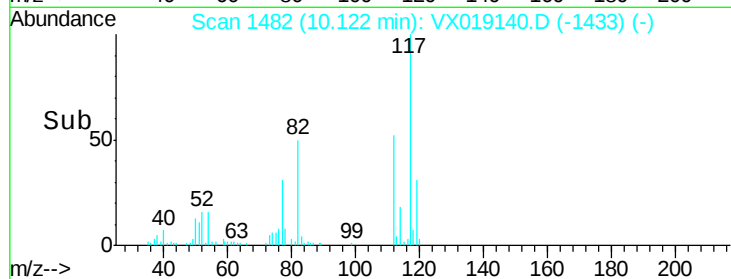
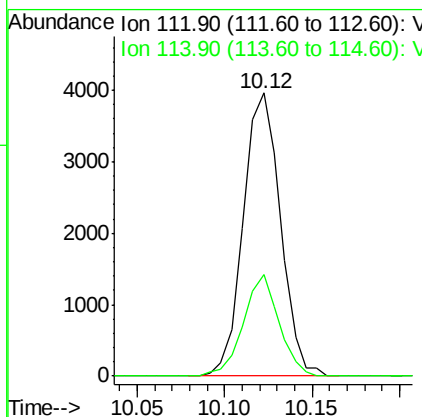
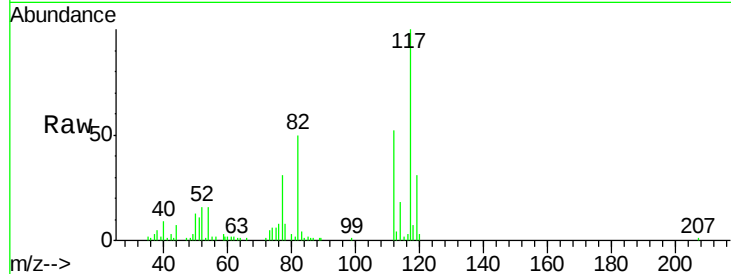
#65
Chlorobenzene
Concen: 0.694 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion:112 Resp: 5865
Ion Ratio Lower Upper
112 100
114 35.8 26.1 39.1

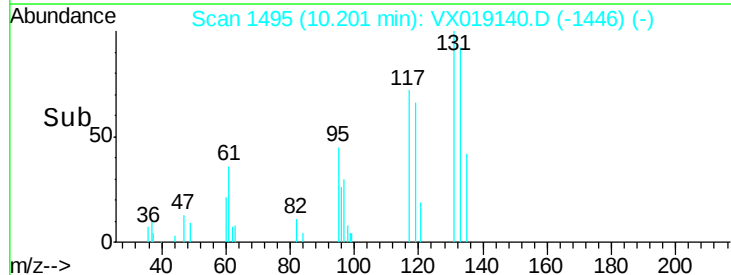
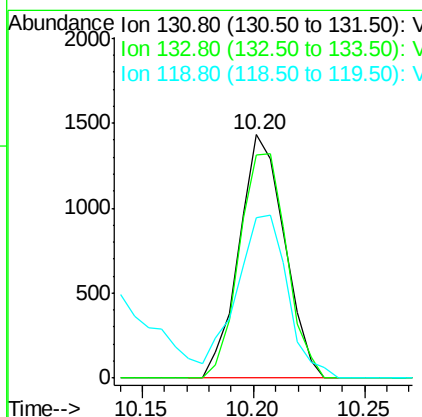
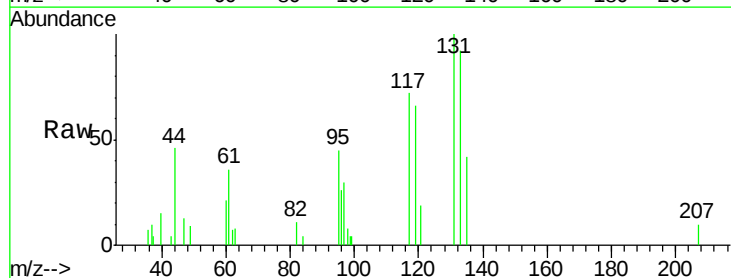
Manual Integrations
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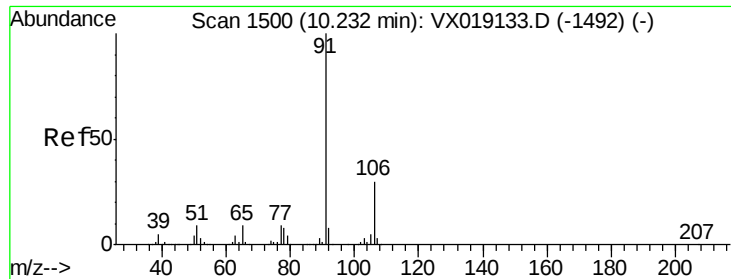
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#66
1,1,1,2-Tetrachloroethane
Concen: 0.670 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. -0.00 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Tgt Ion:131 Resp: 2039
Ion Ratio Lower Upper
131 100
133 95.6 47.3 141.8
119 0.0 32.3 96.9#





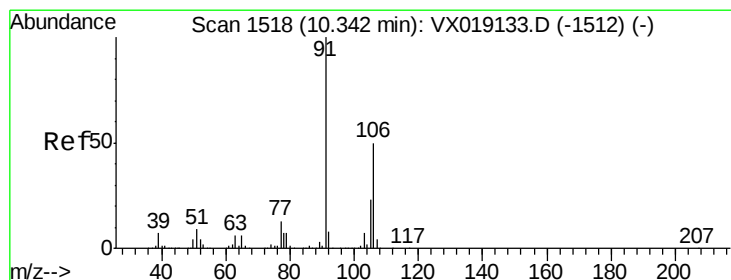
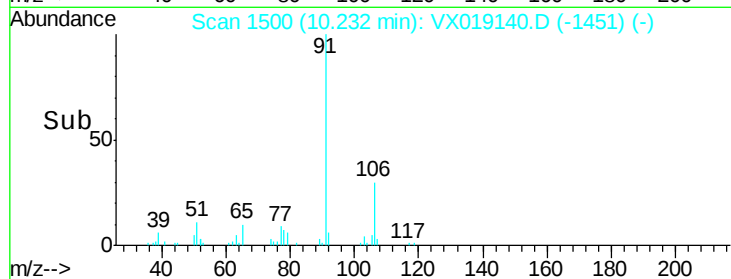
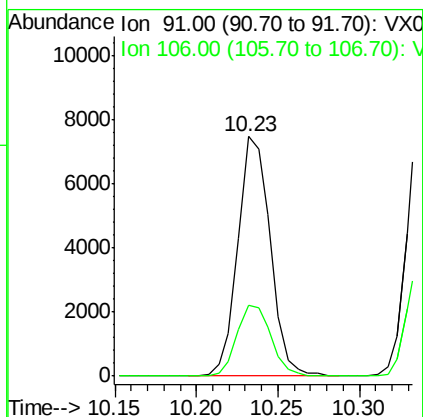
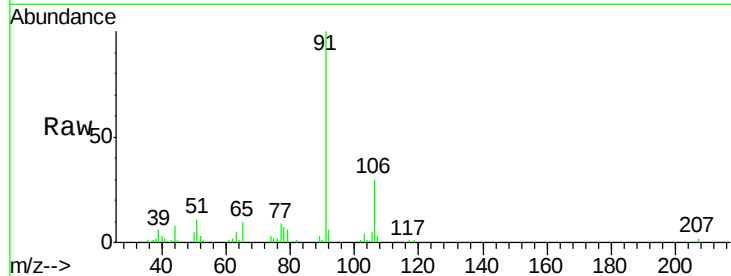
#67
Ethyl Benzene
Concen: 0.691 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	91	Resp	10406
Ion Ratio	100	Lower	Upper
106	29.8	24.3	36.5

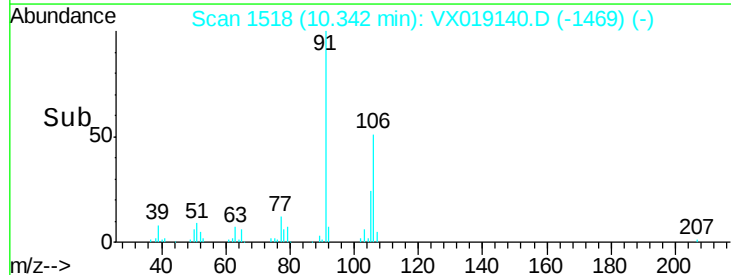
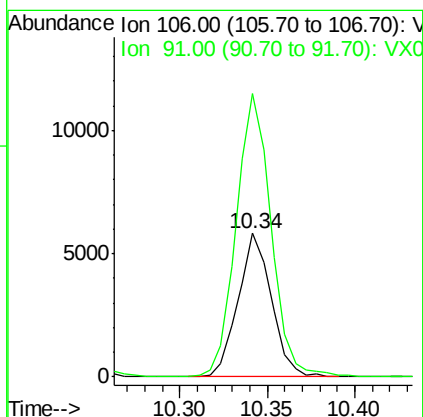
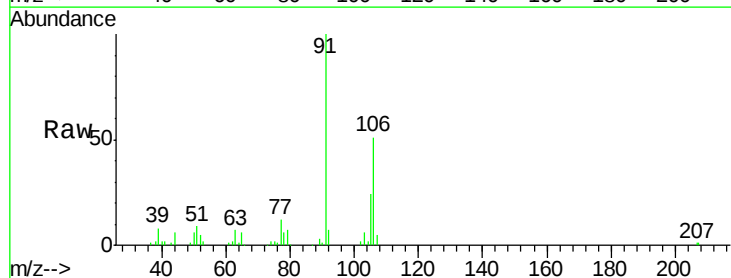
Manual Integrations
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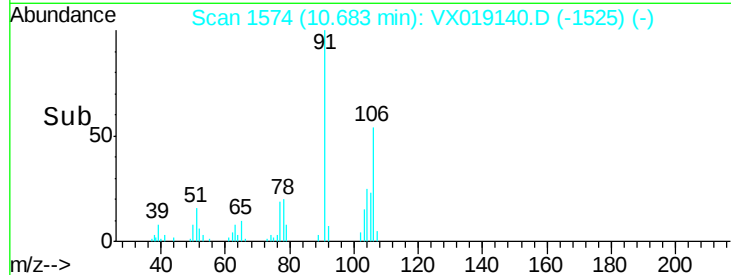
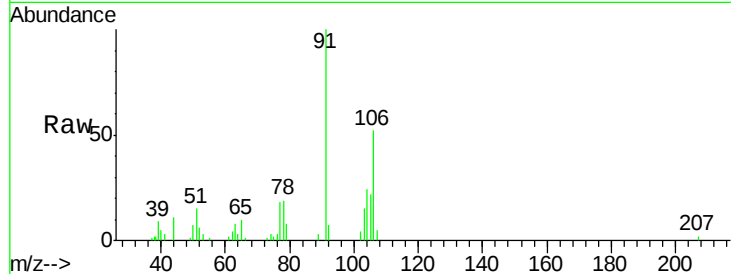
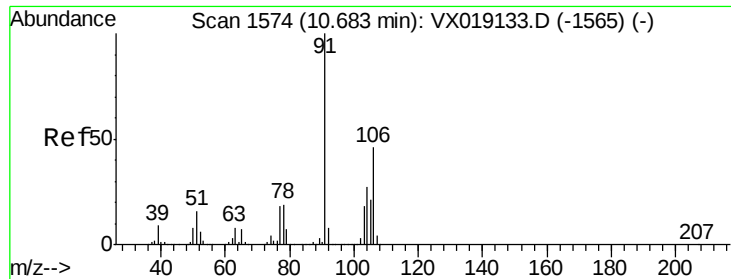
MMDadoda
10/28/2020 12:32:55 PM



#68
m/p-Xylenes
Concen: 1.365 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Tgt Ion	106	Resp	7714
Ion Ratio	100	Lower	Upper
91	206.5	161.0	241.4





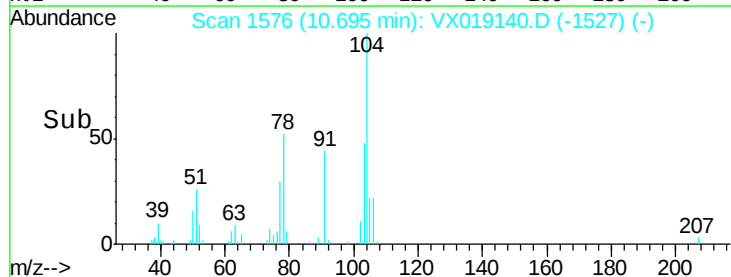
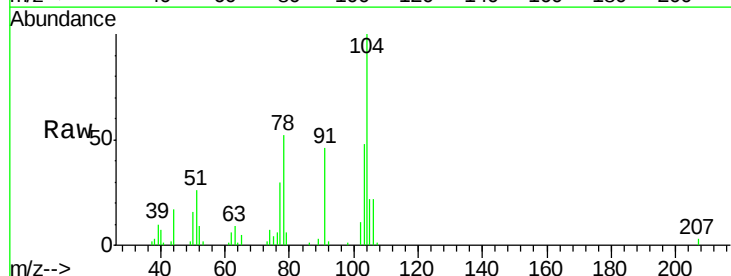
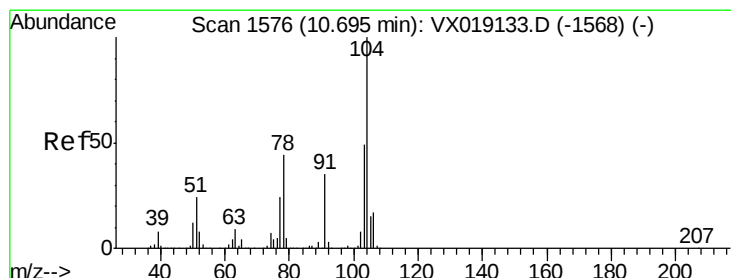
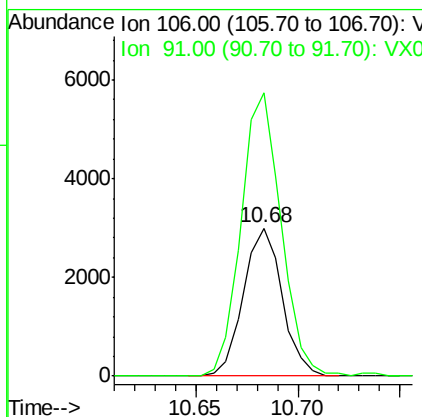
#69
o-Xylene
Concen: 0.737 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Tot Ion:106 Resp: 3952
Ion Ratio Lower Upper
106 100
91 197.0 108.3 324.8

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

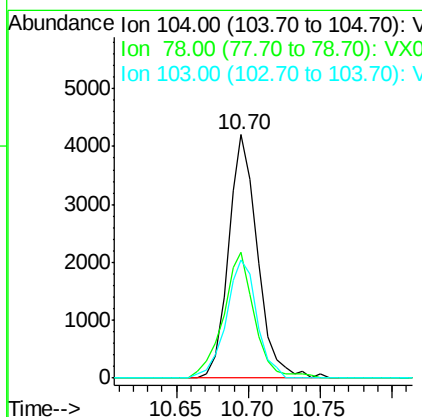
Manual Integrations
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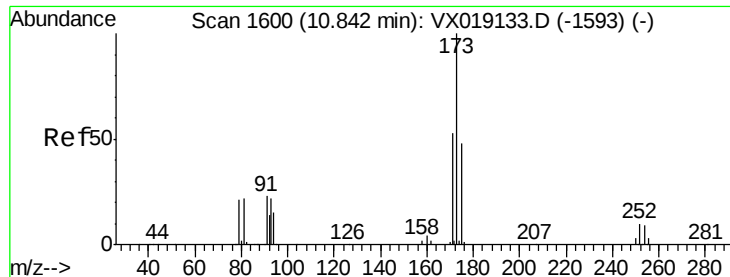
MMDadoda
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#70
Styrene
Concen: 0.648 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Tgt Ion:104 Resp: 5932
Ion Ratio Lower Upper
104 100
78 55.5 40.0 60.0
103 51.6 43.5 65.3





#71

Bromoform

Concen: 0.618 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

Instrument :

MSVOA_X

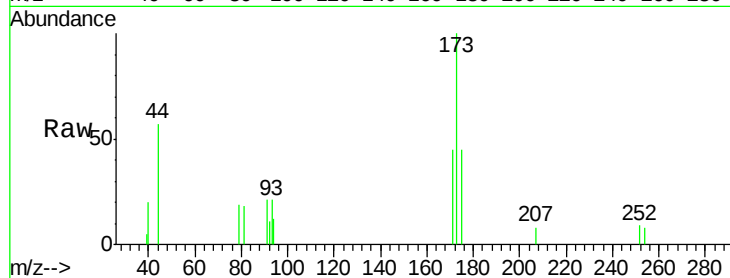
ClientSampleId :

MDL-WATER-03-QT4-2020

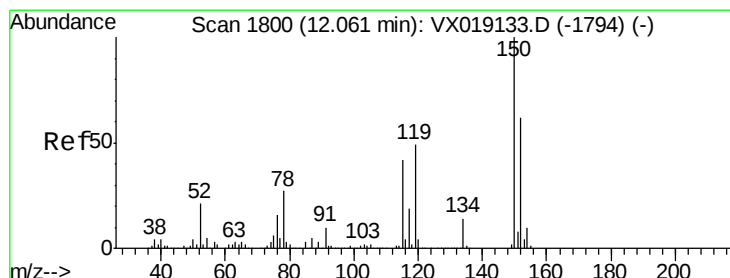
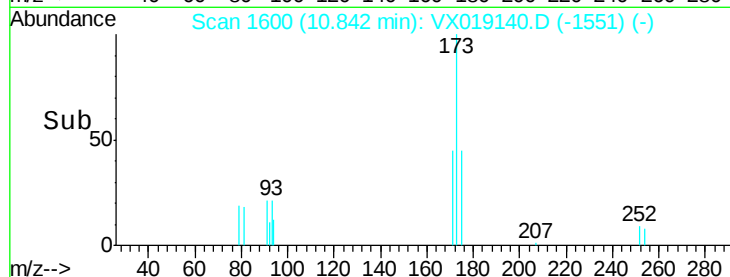
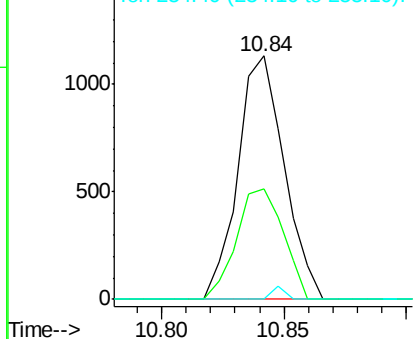
Tot Ion	Ratio	Lower	Upper
173	100		
175	45.9	24.4	73.4
254	1.5	0.1	0.1#

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

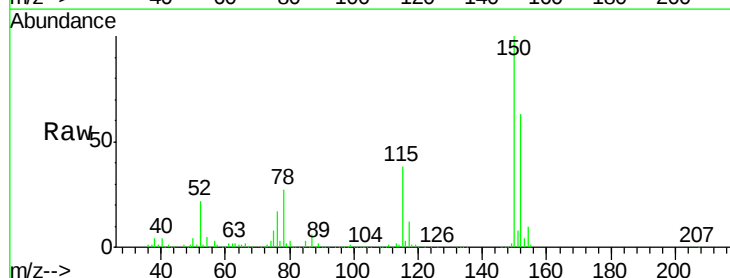
RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

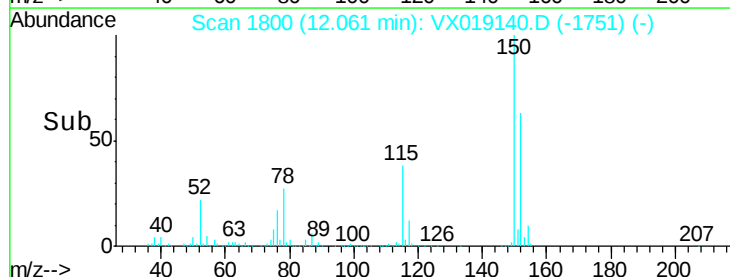
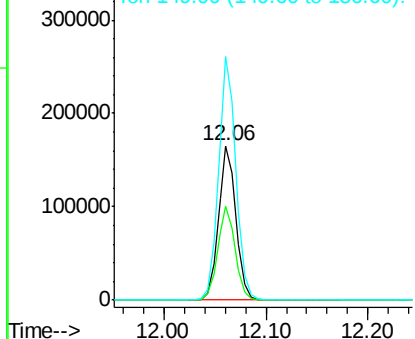
Lab File: VX019140.D

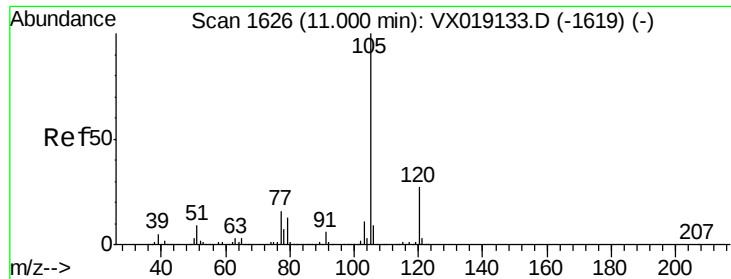
Acq: 27 Oct 2020 16:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	41.9	125.7
150	157.2	0.0	347.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





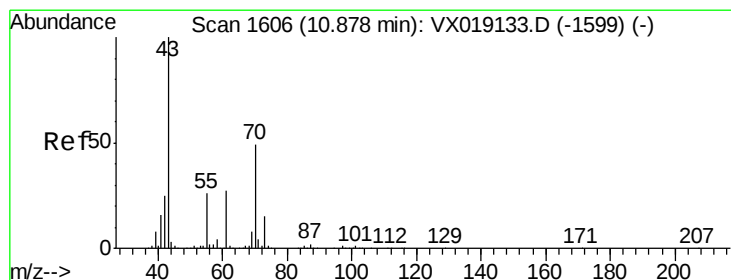
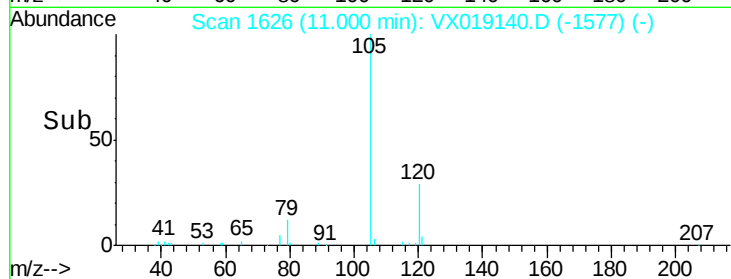
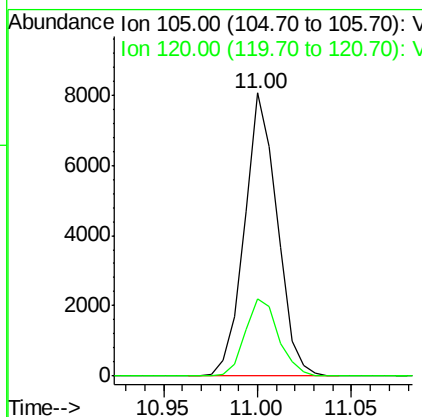
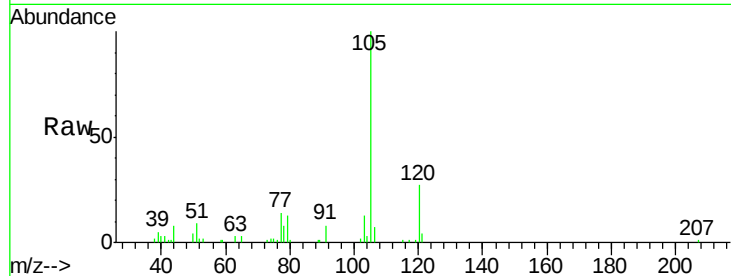
#73
Isopropylbenzene
Concen: 0.696 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
105	100		
120	28.0	13.3	39.8

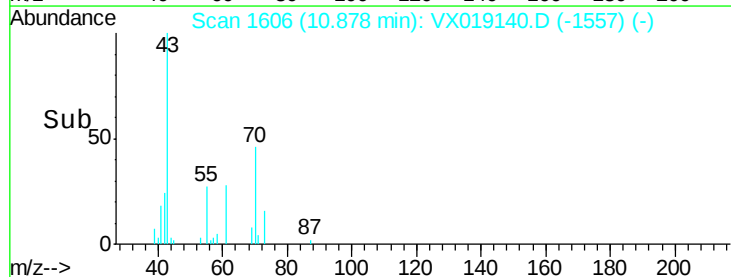
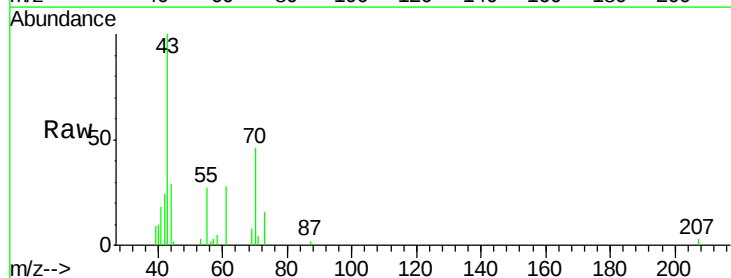
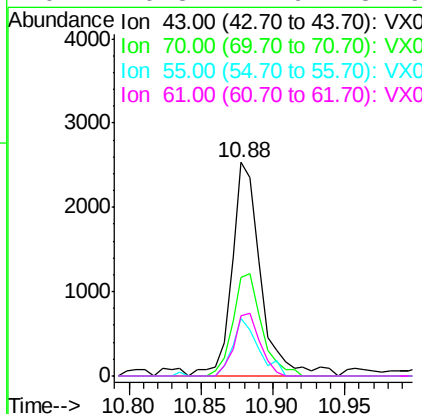
Manual Integrations
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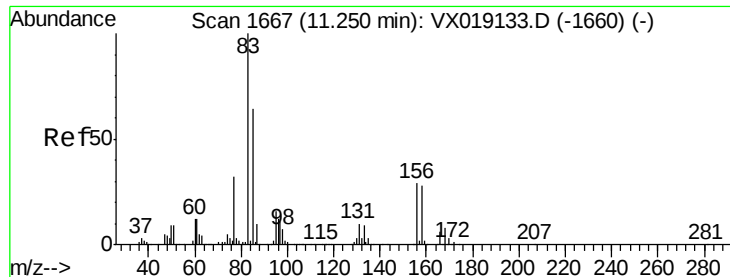
MMDadoda
10/28/2020 12:32:55 PM



#74
N-ethyl acetate
Concen: 0.697 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Tgt Ion	Ratio	Lower	Upper
43	100		
70	48.0	39.6	59.4
55	24.0	20.7	31.1
61	26.3	21.9	32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 0.731 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

Instrument :

MSVOA_X

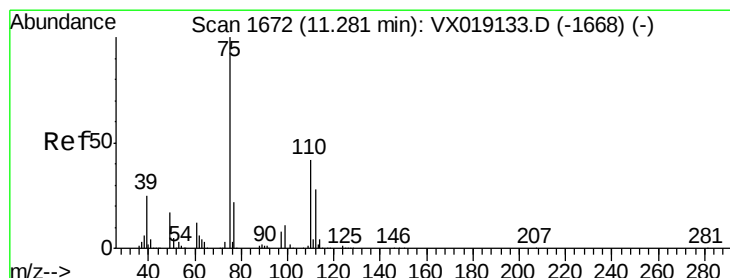
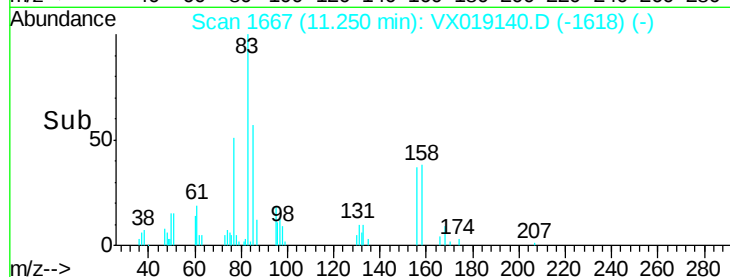
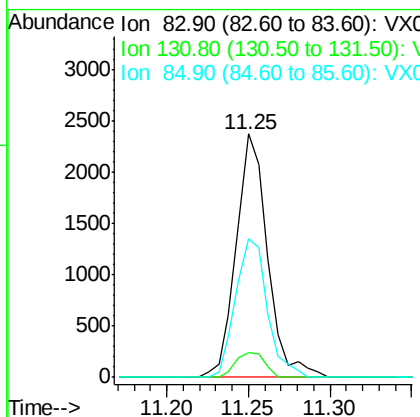
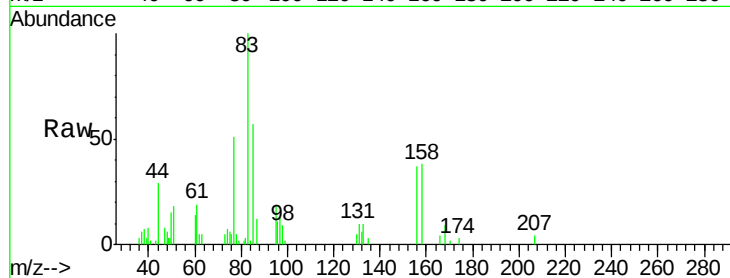
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	83	Resp:	3188
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.2	15.6
85	57.9	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 0.807 ug/l m

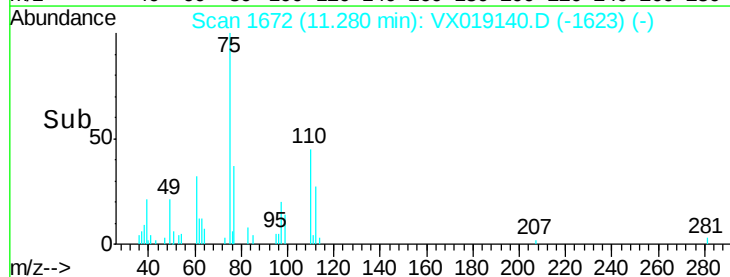
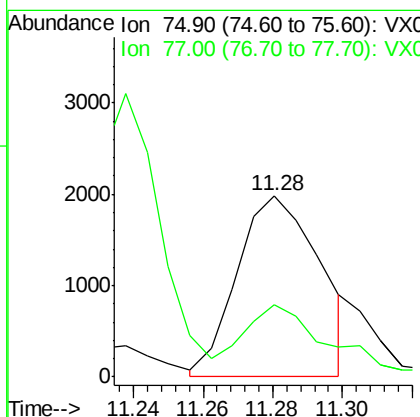
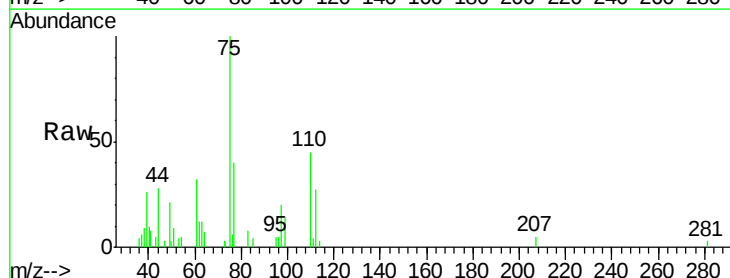
RT: 11.28 min Scan# 1672

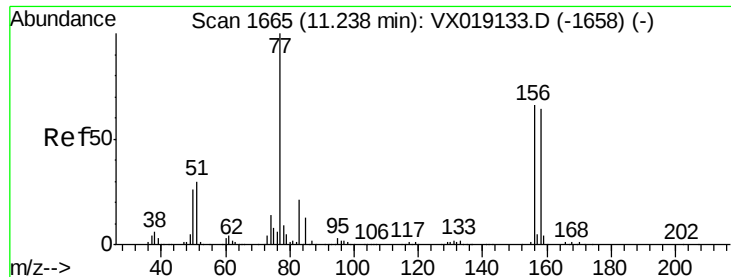
Delta R.T. -0.00 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

Tgt Ion:	75	Resp:	3284
Ion Ratio	Lower	Upper	
75	100		
77	40.8	20.3	60.9





#77

Bromobenzene

Concen: 0.722 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

Instrument :

MSVOA_X

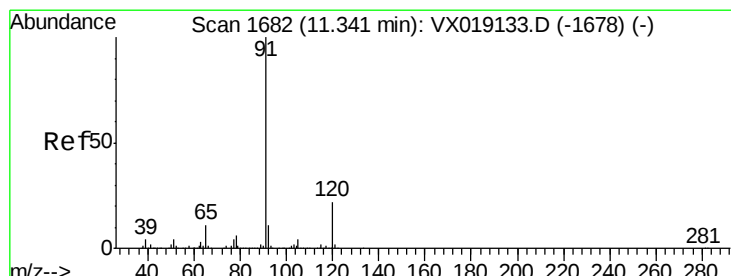
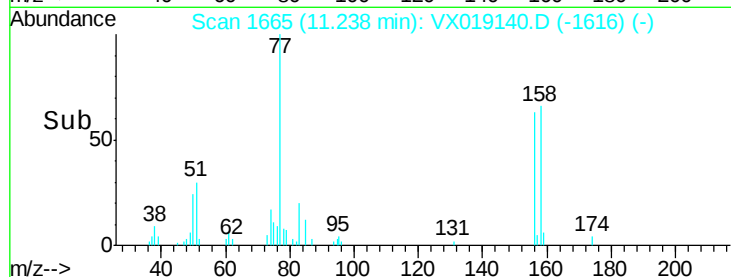
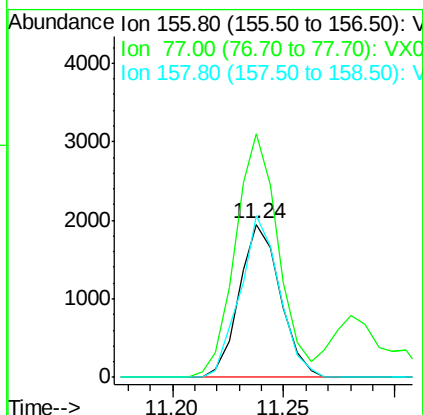
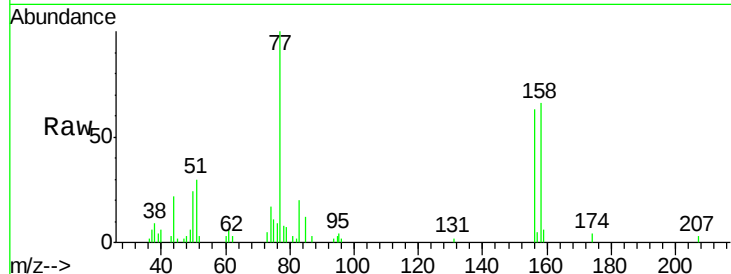
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
156	100		
77	167.5	77.7	233.1
158	101.5	48.3	144.8

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#78

n-propylbenzene

Concen: 0.705 ug/l

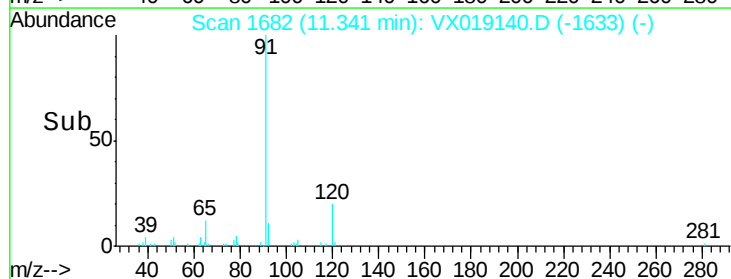
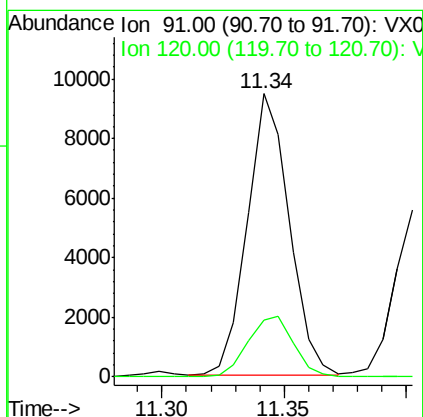
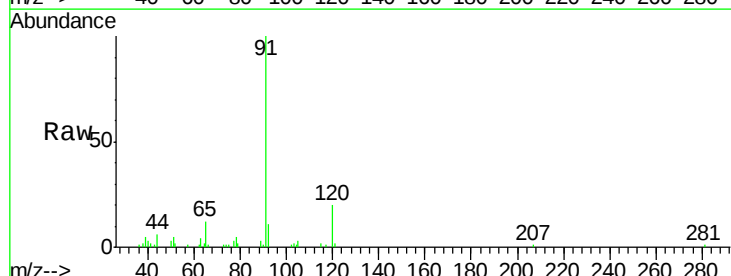
RT: 11.34 min Scan# 1682

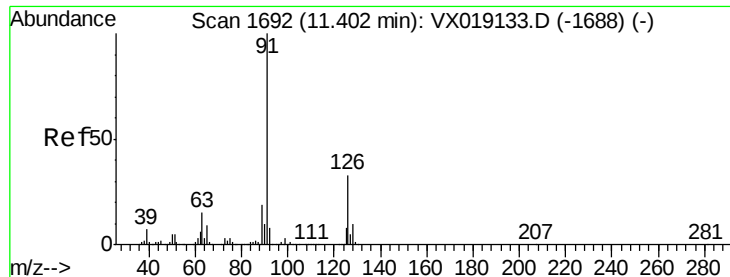
Delta R.T. -0.00 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.7	35.0





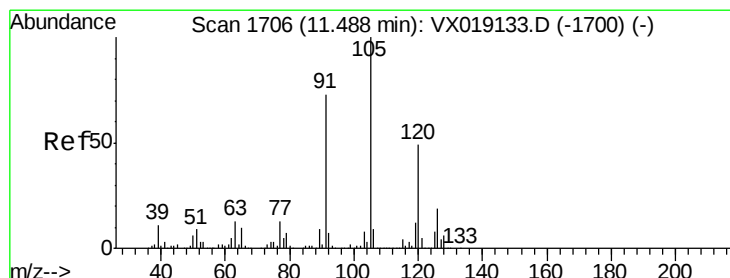
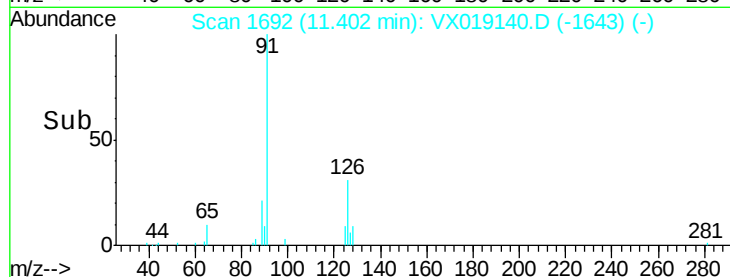
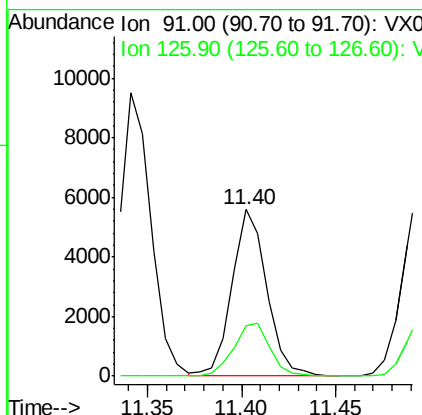
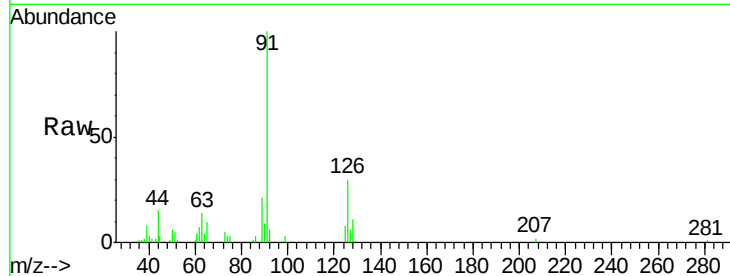
#79
 2-Chlorotoluene
 Concen: 0.765 ug/l
 RT: 11.40 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VX019140.D
 Acq: 27 Oct 2020 16:49

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion: 91 Resp: 7172
 Ion Ratio Lower Upper
 91 100
 126 32.9 16.9 50.7

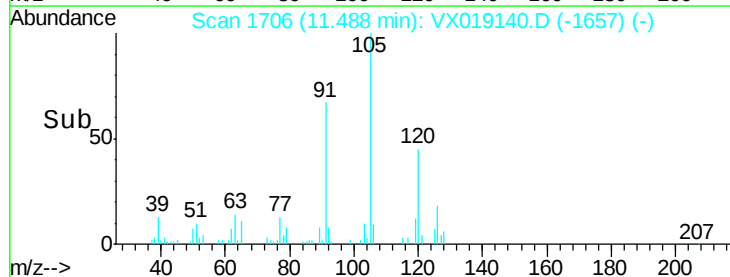
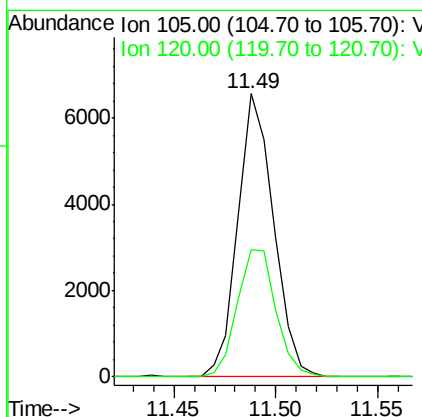
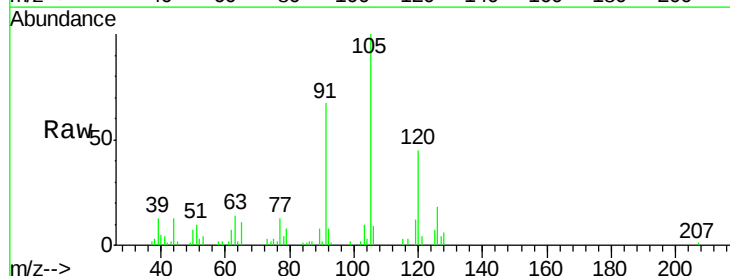
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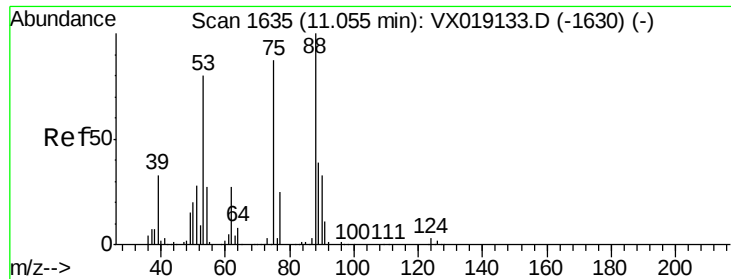
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#80
 1,3,5-Trimethylbenzene
 Concen: 0.677 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VX019140.D
 Acq: 27 Oct 2020 16:49

Tgt Ion: 105 Resp: 7982
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 0.611 ug/l m

RT: 11.06 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

Instrument :

MSVOA_X

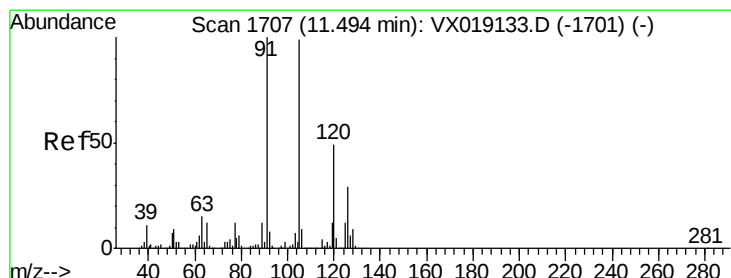
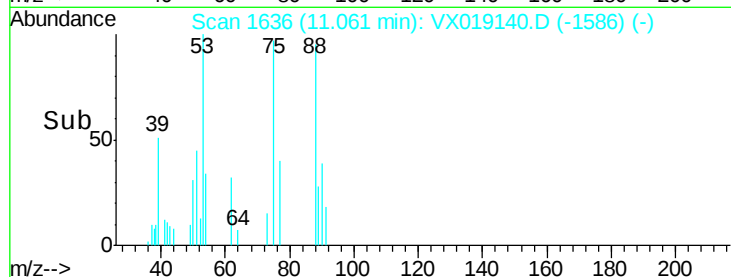
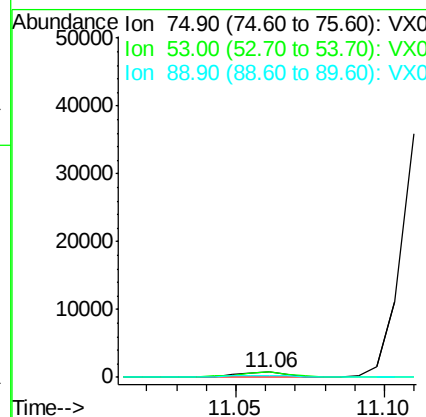
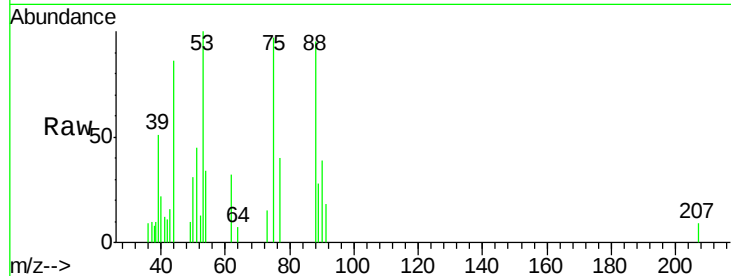
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	73.3	109.9#
89	0.0	38.2	57.2#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 0.742 ug/l

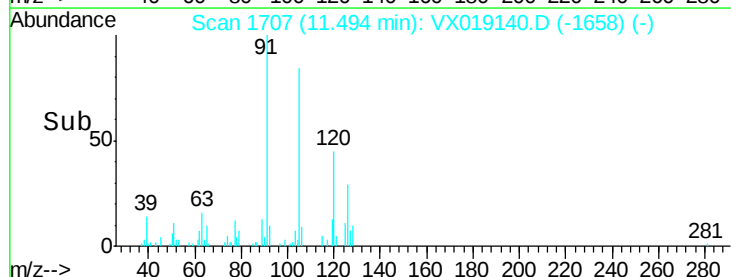
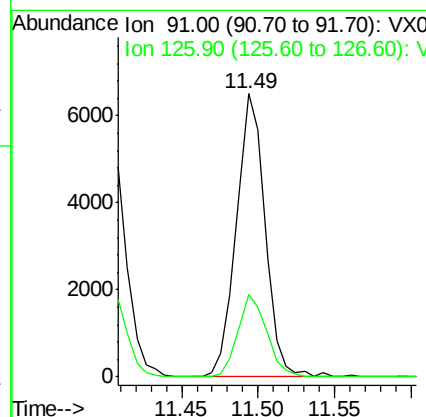
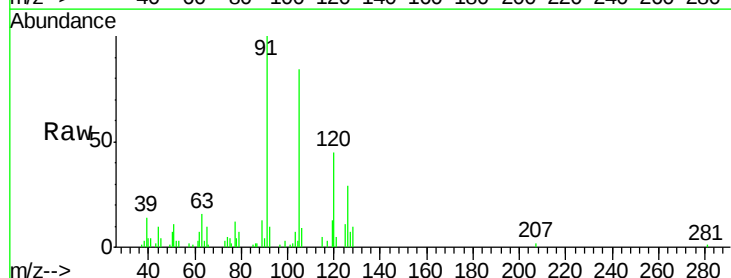
RT: 11.49 min Scan# 1707

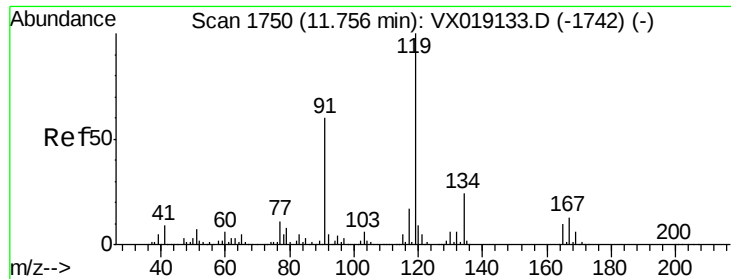
Delta R.T. -0.00 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.8	44.4





#83

tert-Butylbenzene

Concen: 0.692 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX019140.D

Acq: 27 Oct 2020 16:49

Instrument :

MSVOA_X

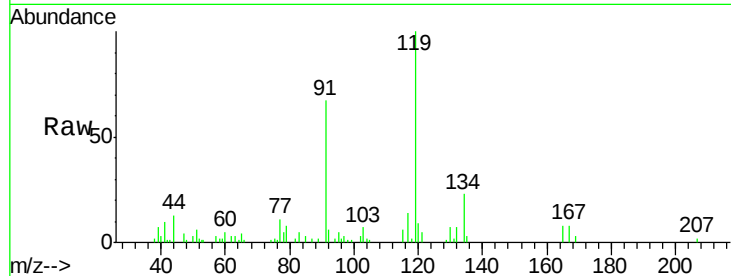
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	119	Resp:	7803
Ion Ratio	Lower	Upper	
119	100		
91	60.2	29.0	87.1
134	23.1	11.7	35.0

Manual Integrations
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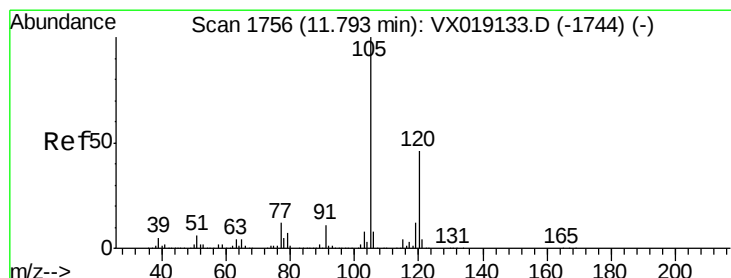
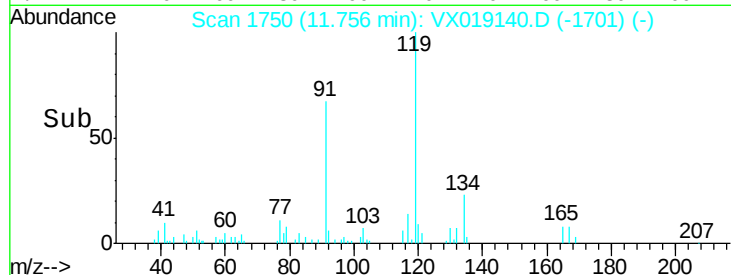
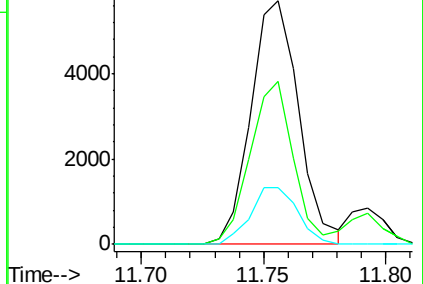
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 0.678 ug/l

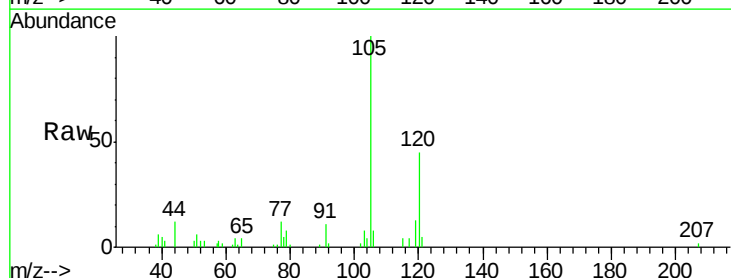
RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX019140.D

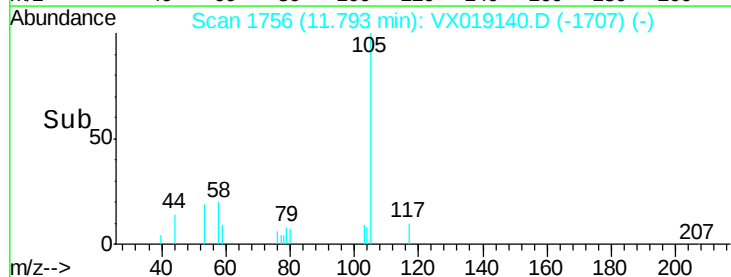
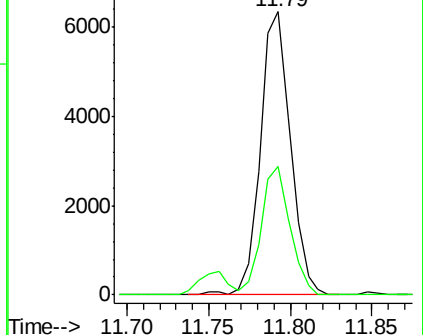
Acq: 27 Oct 2020 16:49

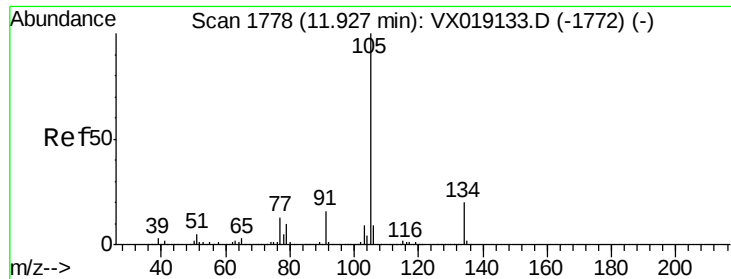
Tgt Ion:	105	Resp:	8070
Ion Ratio	Lower	Upper	
105	100		
120	43.4	22.4	67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





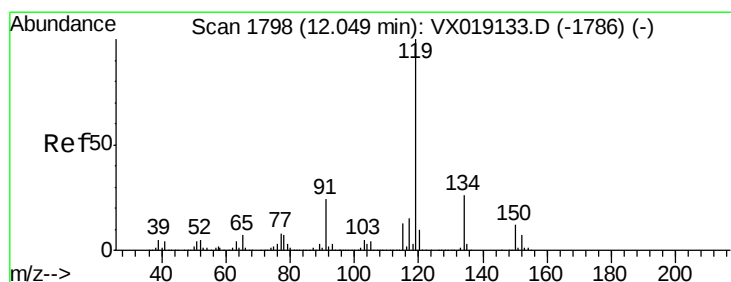
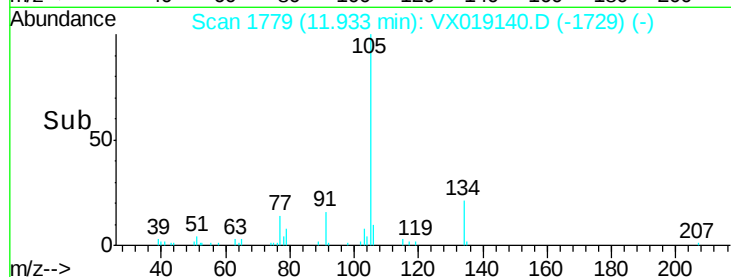
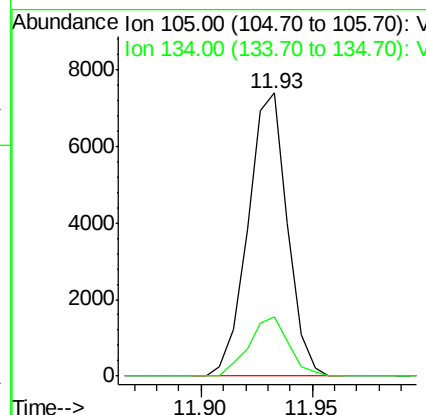
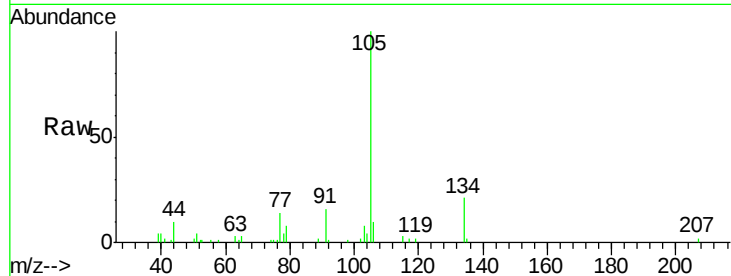
#85
 sec-Butylbenzene
 Concen: 0.673 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: VX019140.D
 Acq: 27 Oct 2020 16:49

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.1	30.1

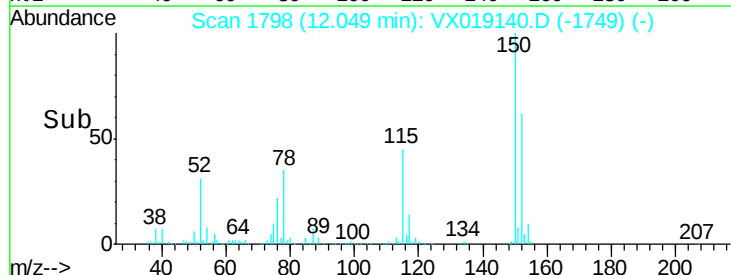
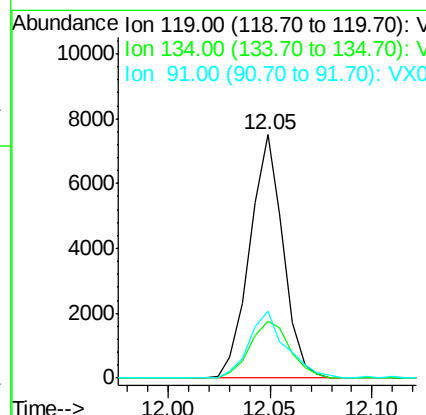
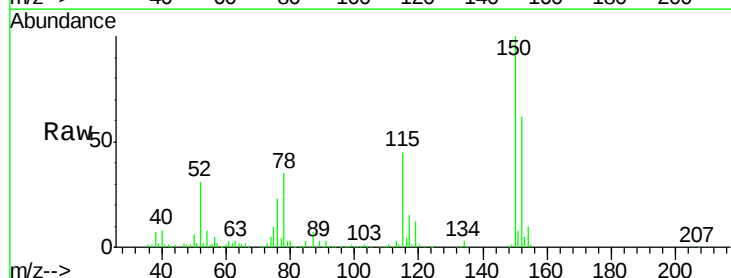
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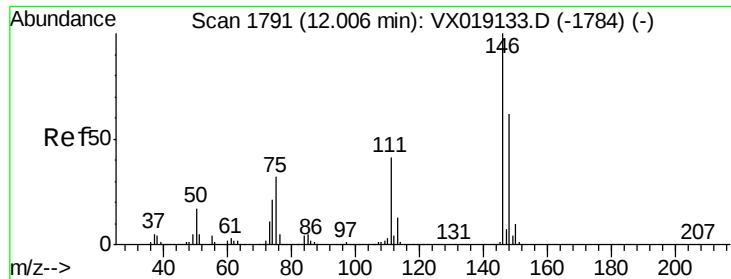
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#86
 p-Isopropyltoluene
 Concen: 0.681 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX019140.D
 Acq: 27 Oct 2020 16:49

Tgt Ion	Ratio	Lower	Upper
119	100		
134	28.0	12.9	38.7
91	30.4	12.0	36.0





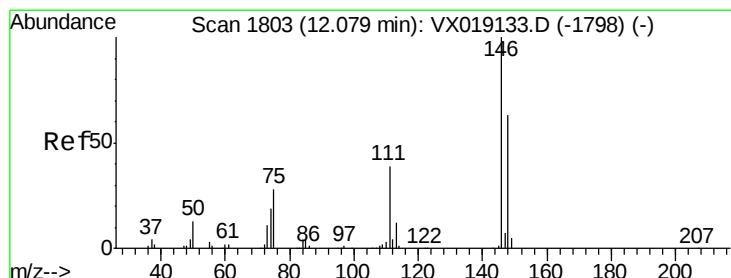
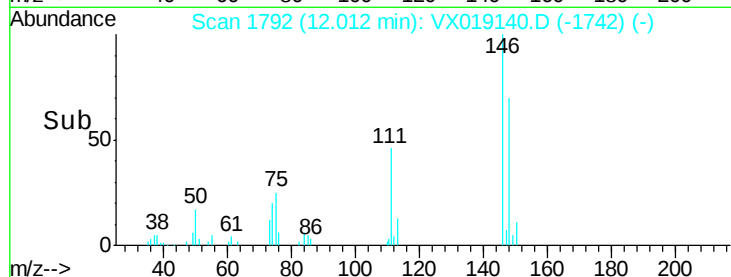
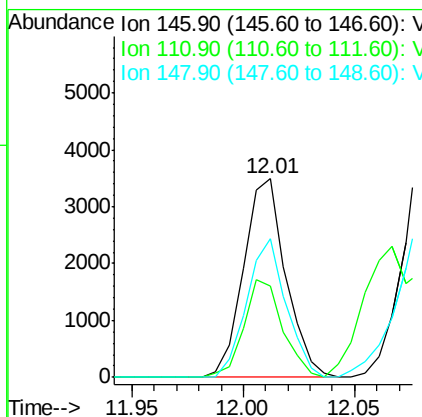
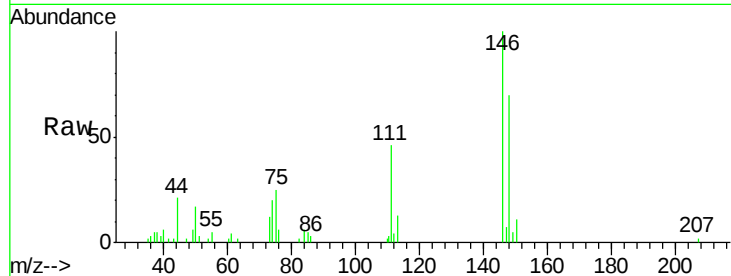
#87
 1,3-Dichlorobenzene
 Concen: 0.716 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX019140.D
 Acq: 27 Oct 2020 16:49

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	20.4	61.2
148	64.7	31.6	94.8

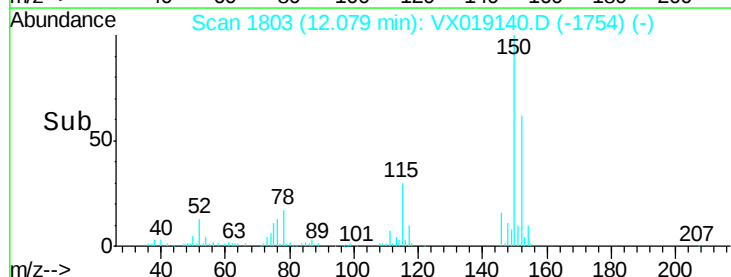
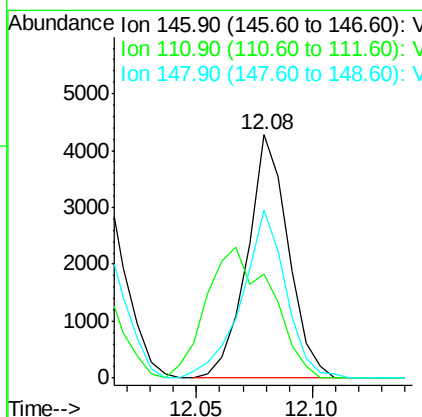
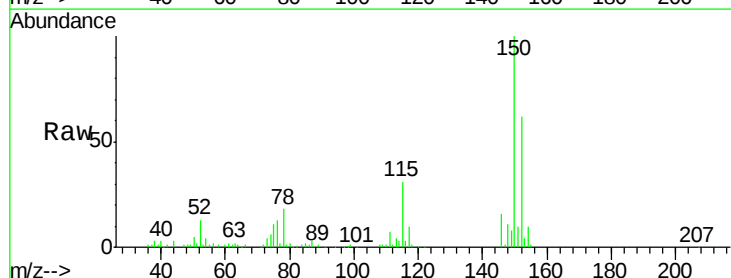
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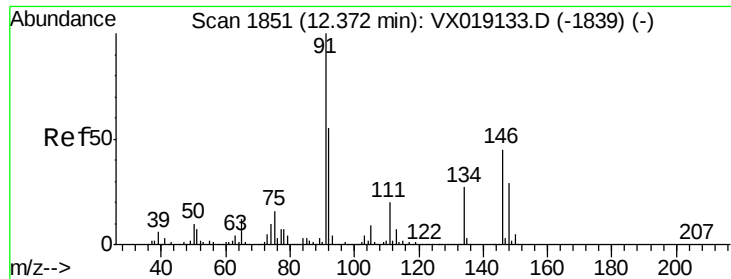
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#88
 1,4-Dichlorobenzene
 Concen: 0.785 ug/l m
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX019140.D
 Acq: 27 Oct 2020 16:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.2	60.5
148	56.7	31.3	93.8





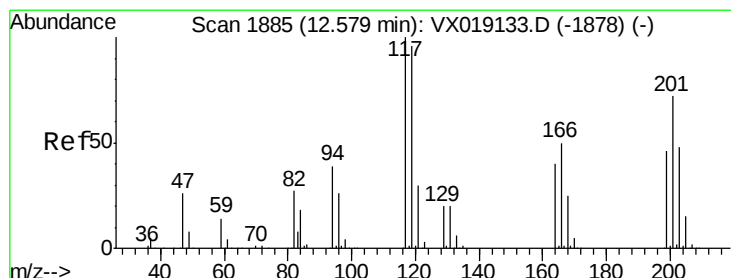
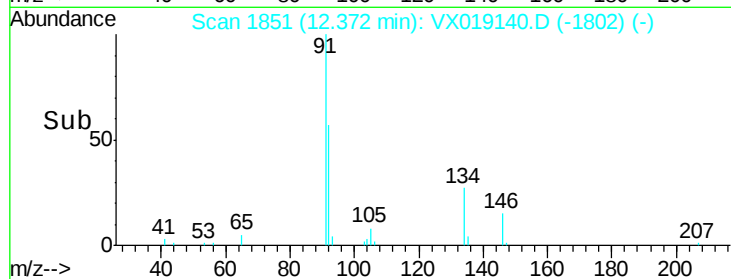
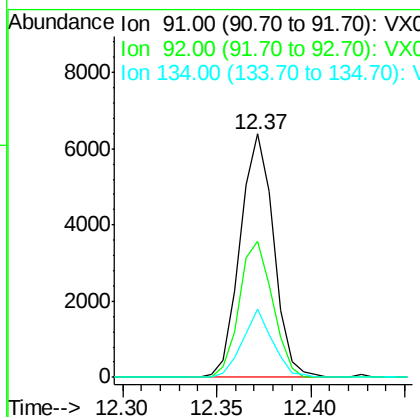
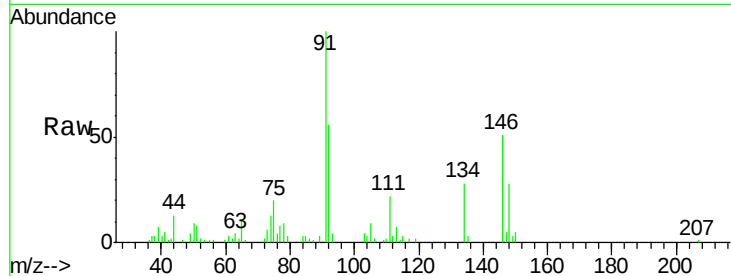
#89
n-Butylbenzene
Concen: 0.670 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.5	82.4
134	25.3	13.2	39.6

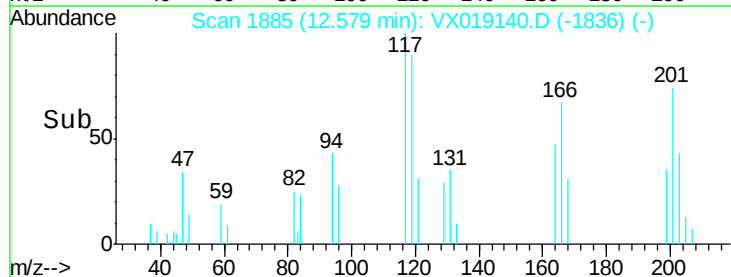
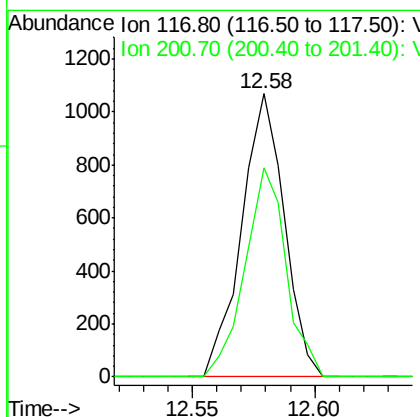
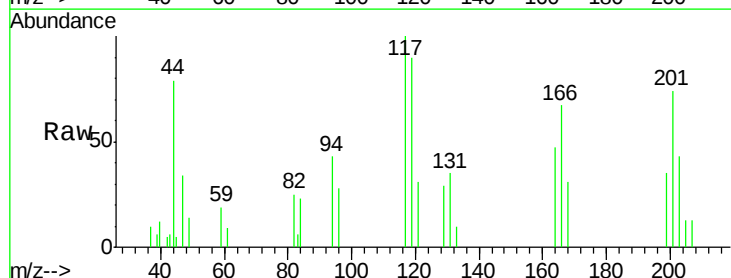
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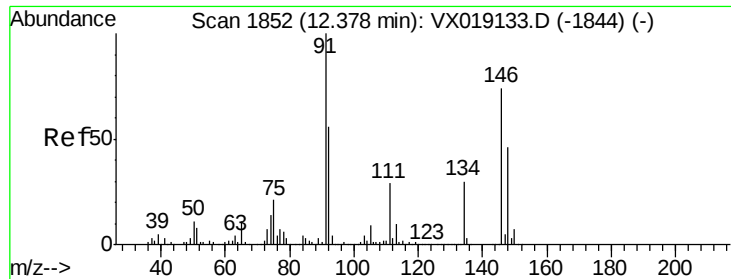
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#90
Hexachloroethane
Concen: 0.612 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.2	38.5	115.3





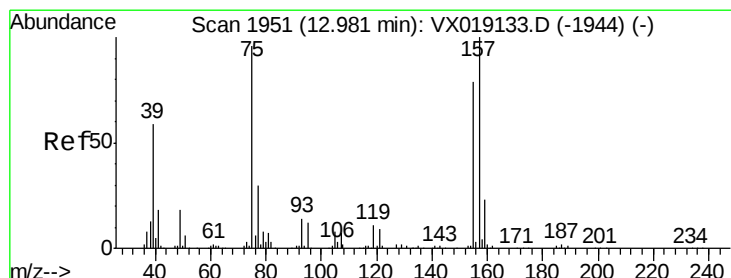
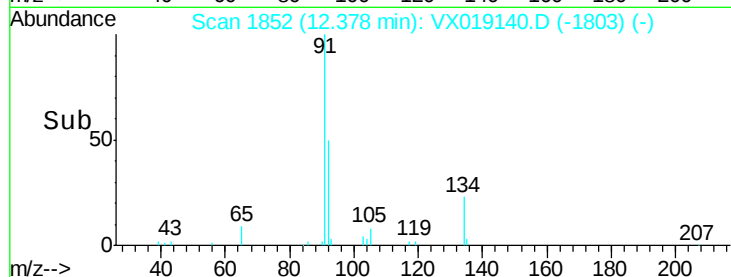
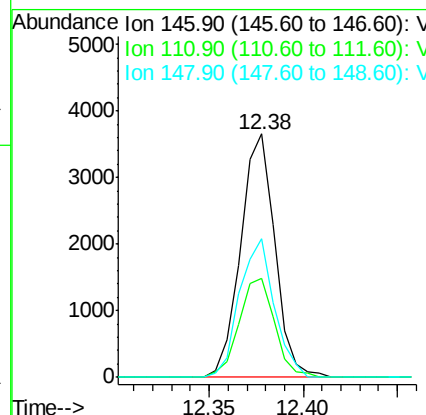
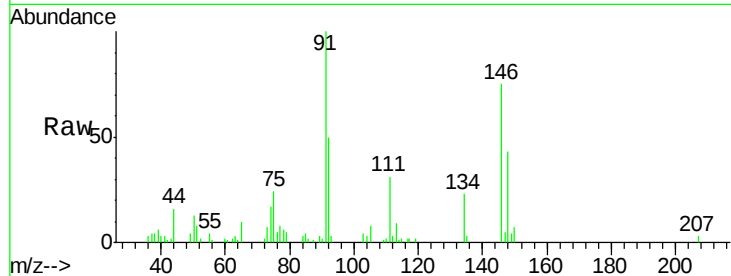
#91
 1,2-Dichlorobenzene
 Concen: 0.745 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX019140.D
 Acq: 27 Oct 2020 16:49

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.2	63.6
148	57.6	31.6	94.7

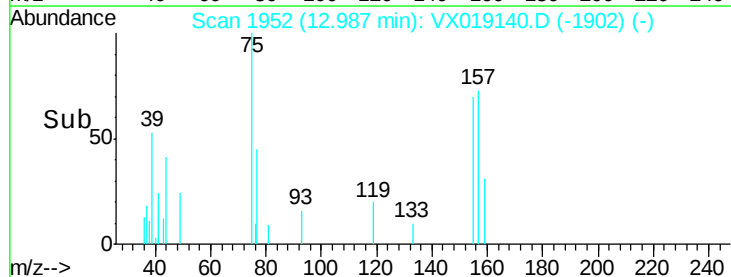
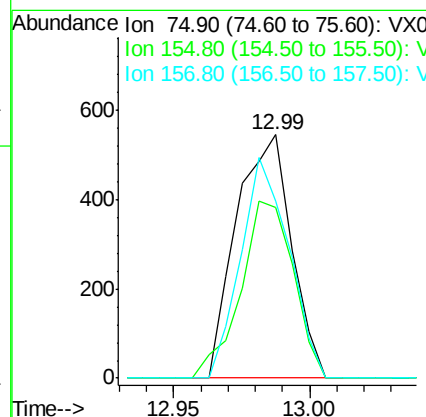
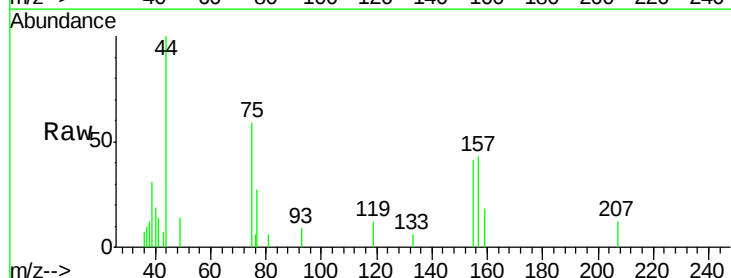
Manual Integrations
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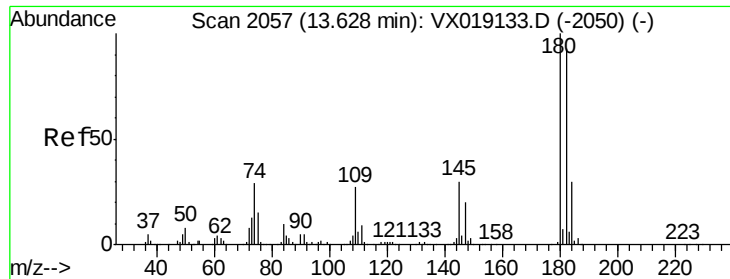
MMDadoda
 10/28/2020 12:32:55 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.715 ug/l
 RT: 12.99 min Scan# 1952
 Delta R.T. 0.01 min
 Lab File: VX019140.D
 Acq: 27 Oct 2020 16:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.9	42.8	128.4
157	79.4	54.8	164.4





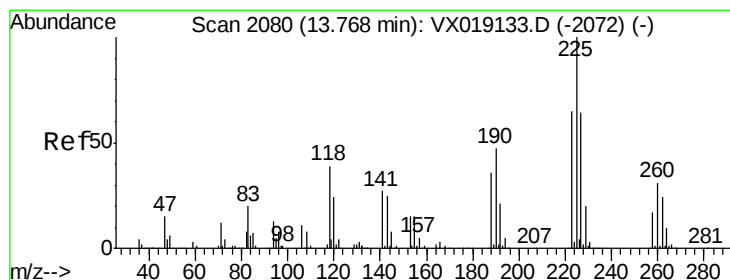
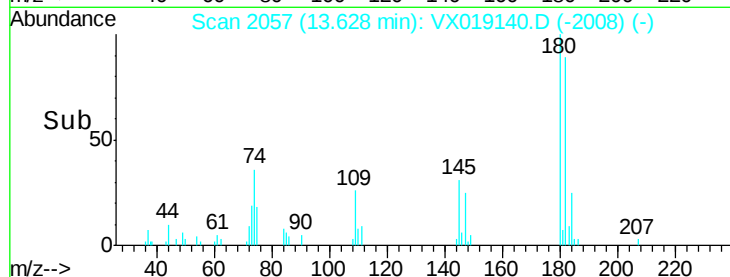
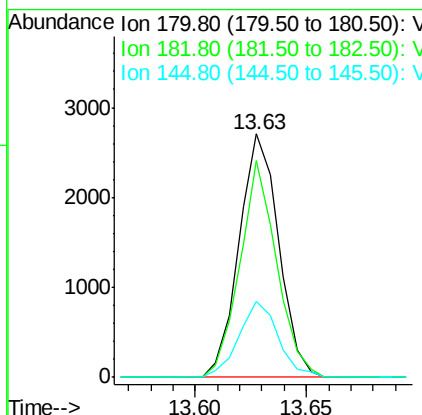
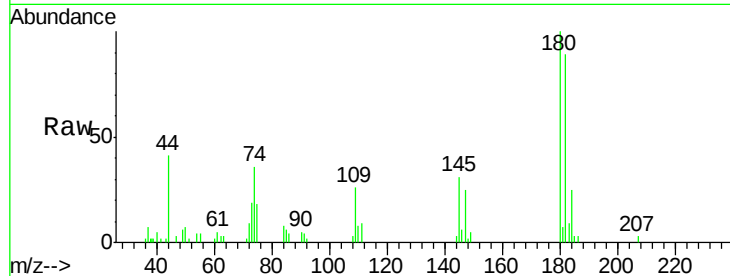
#93
 1,2,4-Trichlorobenzene
 Concen: 0.723 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019140.D
 Acq: 27 Oct 2020 16:49

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	82.7	46.8	140.3
145	30.7	15.5	46.5

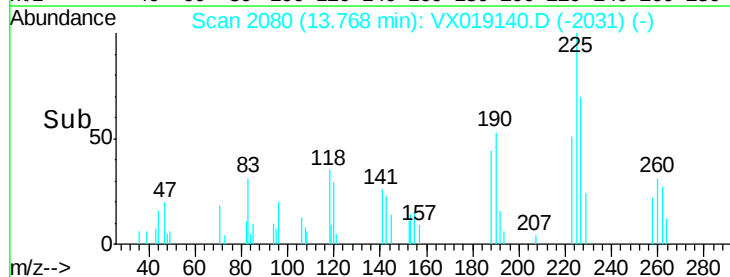
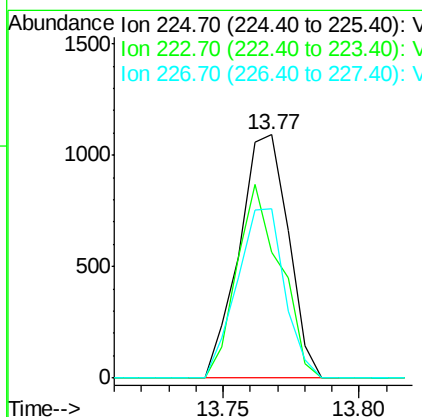
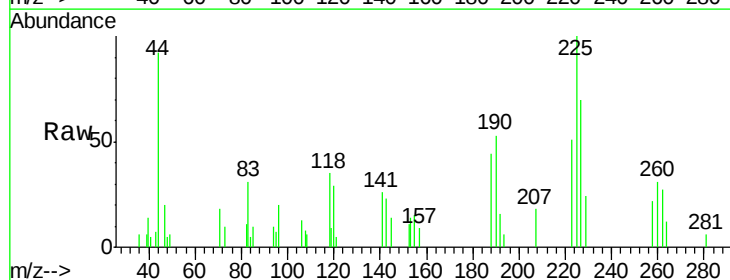
Manual Integrations
 APPROVED

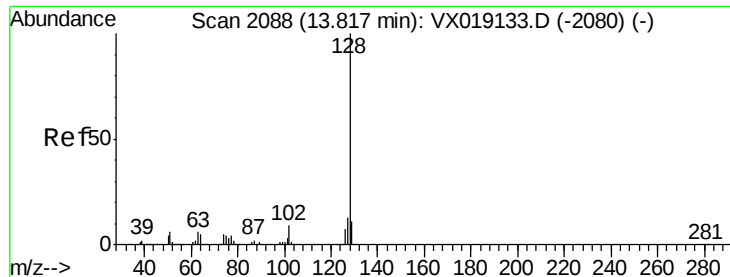
MMDadoda
 10/28/2020 12:32:55 PM



#94
 Hexachlorobutadiene
 Concen: 0.669 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX019140.D
 Acq: 27 Oct 2020 16:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	70.2	32.4	97.2
227	67.6	31.6	94.7





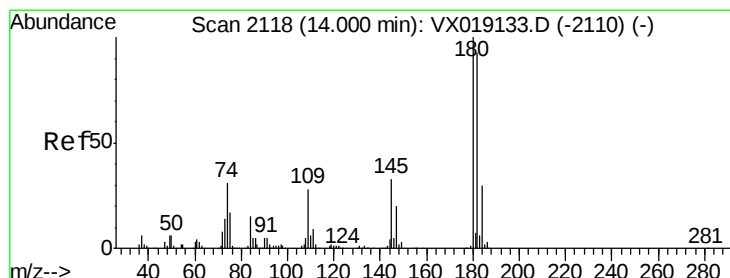
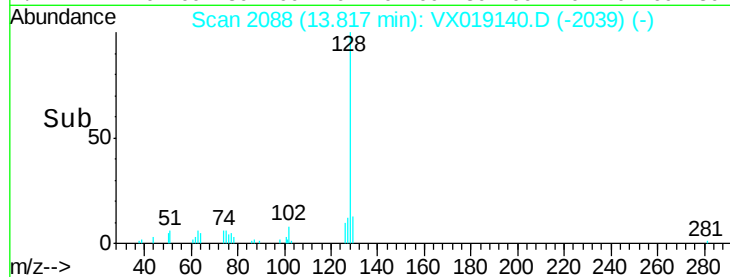
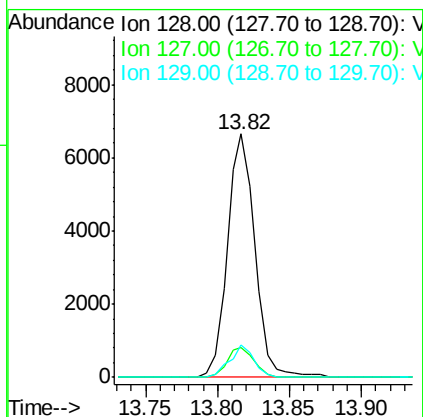
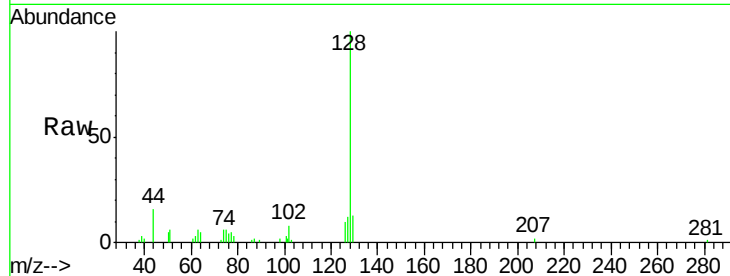
#95
Naphthalene
Concen: 0.609 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.3	15.5
129	11.7	8.6	13.0

Manual Integrations
APPROVED

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10/28/2020 12:32:55 PM



#96
1,2,3-Trichlorobenzene
Concen: 0.656 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX019140.D
Acq: 27 Oct 2020 16:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.8	143.3
145	34.9	16.5	49.5

