

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102220\
 Data File : VX019018.D
 Acq On : 22 Oct 2020 11:53
 Operator : JC/SP
 Sample : L4214-07 .75PPB LOD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 12:05:53 PM

Quant Time: Oct 23 10:17:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 23 09:59:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	239896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	400806	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	368405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	175372	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	147798	51.43	ug/l	0.00
Spiked Amount			Recovery	=	102.86%	
35) Dibromofluoromethane	5.47	113	125189	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
50) Toluene-d8	8.70	98	482518	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	11.12	95	165721	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	1280	0.536	ug/l	85
3) Chloromethane	1.31	50	1769	0.745	ug/l	92
4) Vinyl Chloride	1.39	62	1817	0.648	ug/l	90
5) Bromomethane	1.64	94	2705	0.945	ug/l	91
6) Chloroethane	1.72	64	1538	0.879	ug/l	92
7) Trichlorofluoromethane	1.92	101	2932	0.619	ug/l	99
8) Diethyl Ether	2.17	74	1341	0.723	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1439	0.641	ug/l	92
10) Methyl Iodide	2.50	142	1543	0.545	ug/l	98
11) Tert butyl alcohol	3.03	59	2493	4.284	ug/l	95
12) 1,1-Dichloroethene	2.36	96	1556	0.666	ug/l	96
13) Acrolein	2.28	56	1259	5.460	ug/l	86
14) Allyl chloride	2.71	41	1970	0.652	ug/l #	83
15) Acrylonitrile	3.12	53	3839	3.411	ug/l	97
16) Acetone	2.43	43	3876	3.960	ug/l	94
17) Carbon Disulfide	2.56	76	4771	0.708	ug/l	99
18) Methyl Acetate	2.76	43	1667	0.686	ug/l	96
19) Methyl tert-butyl Ether	3.17	73	4771	0.645	ug/l	98
20) Methylene Chloride	2.84	84	2118	0.777	ug/l	89
21) trans-1,2-Dichloroethene	3.15	96	1801	0.661	ug/l	91
22) Diisopropyl ether	3.82	45	3930	0.660	ug/l #	71
23) Vinyl Acetate	3.79	43	16995	3.005	ug/l	99
24) 1,1-Dichloroethane	3.67	63	2810	0.648	ug/l #	91
25) 2-Butanone	4.65	43	5282	3.415	ug/l	96
26) 2,2-Dichloropropane	4.56	77	2611	0.652	ug/l	94
27) cis-1,2-Dichloroethene	4.57	96	2219	0.718	ug/l	87
28) Bromochloromethane	4.98	49	1330	0.722	ug/l #	86
29) Tetrahydrofuran	5.10	42	3500	3.786	ug/l	89
30) Chloroform	5.18	83	3099	0.658	ug/l	98
31) Cyclohexane	5.54	56	2428m	0.722	ug/l	
32) 1,1,1-Trichloroethane	5.46	97	2544	0.596	ug/l #	46
36) 1,1-Dichloropropene	5.77	75	2644	0.735	ug/l	95
37) Ethyl Acetate	4.80	43	2183	0.711	ug/l #	90
38) Carbon Tetrachloride	5.76	117	2421	0.641	ug/l	87

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 23 09:59:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	2546	0.632	ug/l	91
40) Benzene	6.12	78	6837	0.645	ug/l	97
41) Methacrylonitrile	5.01	41	1413	0.857	ug/l	89
42) 1,2-Dichloroethane	6.16	62	2826	0.782	ug/l	92
43) Isopropyl Acetate	6.42	43	3781	0.727	ug/l	95
44) Trichloroethene	7.19	130	2057	0.666	ug/l	98
45) 1,2-Dichloropropane	7.49	63	1620	0.638	ug/l	95
46) Dibromomethane	7.63	93	1198	0.619	ug/l	94
47) Bromodichloromethane	7.87	83	2362	0.623	ug/l #	89
48) Methyl methacrylate	7.74	41	1871	0.730	ug/l #	83
49) 1,4-Dioxane	7.75	88	667	11.525	ug/l #	82
51) 4-Methyl-2-Pentanone	8.62	43	9313	3.040	ug/l	97
52) Toluene	8.76	92	4427	0.633	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	2514	0.587	ug/l	90
54) cis-1,3-Dichloropropene	8.42	75	2695	0.596	ug/l	96
55) 1,1,2-Trichloroethane	9.20	97	1850	0.649	ug/l	92
56) Ethyl methacrylate	9.16	69	2471	0.602	ug/l #	81
57) 1,3-Dichloropropane	9.35	76	3056	0.675	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.29	63	6143	2.850	ug/l	97
59) 2-Hexanone	9.48	43	7238	3.171	ug/l	95
60) Dibromochloromethane	9.57	129	1802	0.580	ug/l	98
61) 1,2-Dibromoethane	9.65	107	1733	0.568	ug/l	92
64) Tetrachloroethene	9.32	164	2124	0.757	ug/l	92
65) Chlorobenzene	10.12	112	4972	0.643	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.20	131	1554	0.566	ug/l #	63
67) Ethyl Benzene	10.24	91	8209	0.616	ug/l	92
68) m/p-Xylenes	10.34	106	6245	1.224	ug/l	96
69) o-Xylene	10.68	106	2851	0.584	ug/l	96
70) Styrene	10.70	104	4870	0.587	ug/l	100
71) Bromoform	10.84	173	1178	0.531	ug/l #	99
73) Isopropylbenzene	11.00	105	7822	0.620	ug/l	100
74) N-amyl acetate	10.88	43	2677	0.662	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.26	83	2473	0.651	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	2338m	0.667	ug/l	
77) Bromobenzene	11.24	156	2178	0.684	ug/l	97
78) n-propylbenzene	11.34	91	9321	0.652	ug/l	99
79) 2-Chlorotoluene	11.40	91	5483	0.657	ug/l	97
80) 1,3,5-Trimethylbenzene	11.49	105	6589	0.632	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	744m	0.541	ug/l	
82) 4-Chlorotoluene	11.49	91	6550	0.660	ug/l	99
83) tert-Butylbenzene	11.76	119	6377	0.621	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	6432	0.617	ug/l	99
85) sec-Butylbenzene	11.93	105	7446	0.600	ug/l	99
86) p-Isopropyltoluene	12.05	119	6655	0.586	ug/l	88
87) 1,3-Dichlorobenzene	12.01	146	3760	0.643	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	4292m	0.716	ug/l	
89) n-Butylbenzene	12.37	91	6589	0.634	ug/l	99
90) Hexachloroethane	12.58	117	894	0.515	ug/l	91
91) 1,2-Dichlorobenzene	12.38	146	3812	0.700	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.98	75	531	0.614	ug/l	94

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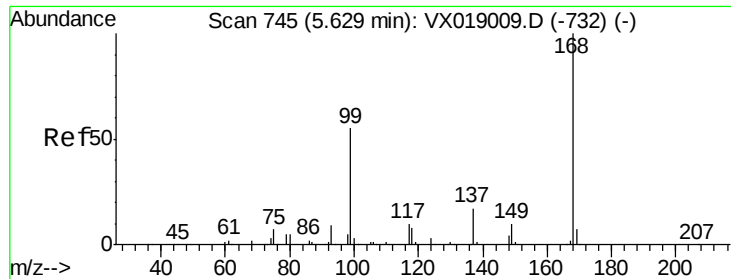
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	2490	0.625	ug/l	93
94) Hexachlorobutadiene	13.76	225	1111	0.601	ug/l	95
95) Naphthalene	13.82	128	6882	0.549	ug/l	98
96) 1,2,3-Trichlorobenzene	14.00	180	2401	0.619	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:168 Resp: 239896

Ion Ratio Lower Upper

168 100

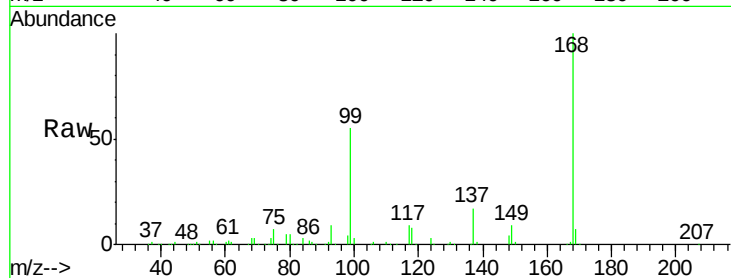
99 55.2 44.2 66.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

80000

60000

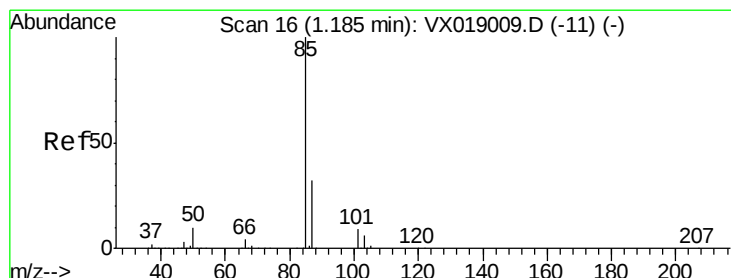
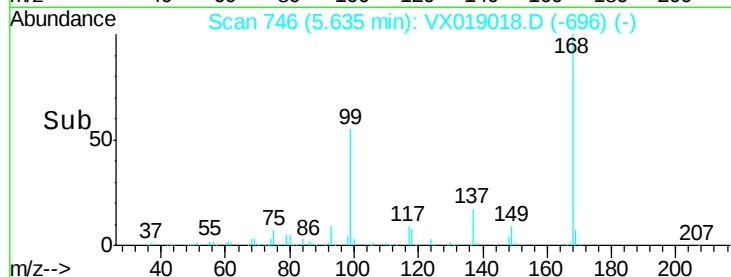
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.536 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX019018.D

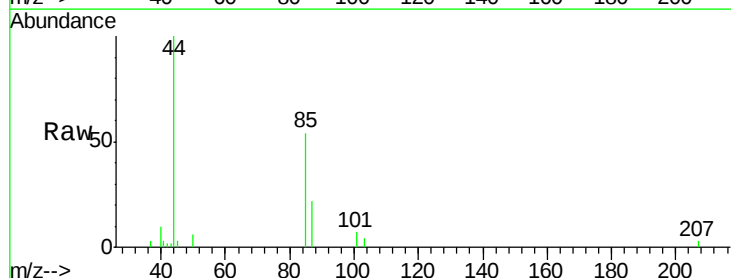
Acq: 22 Oct 2020 11:53

Tgt Ion: 85 Resp: 1280

Ion Ratio Lower Upper

85 100

87 41.1 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

1500

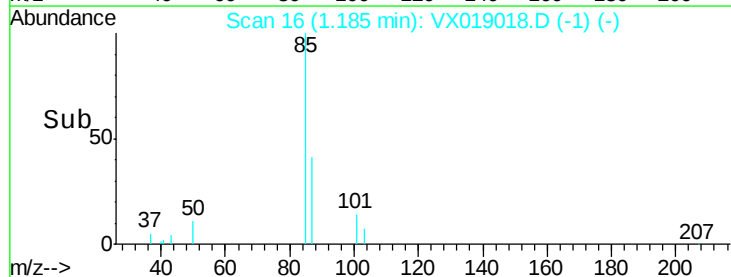
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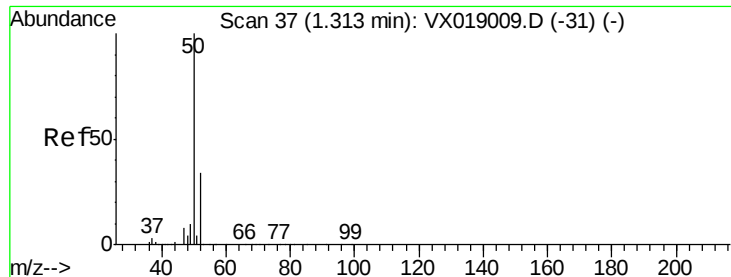
500

0

1.15 1.20

Time-->





#3

Chloromethane

Concen: 0.745 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 50 Resp: 1769

Ion Ratio Lower Upper

50 100

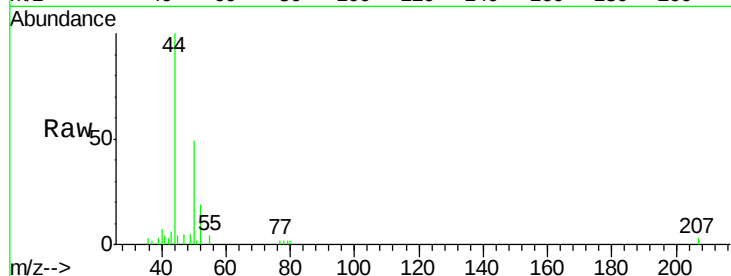
52 38.2 27.0 40.6

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

2000

1500

1000

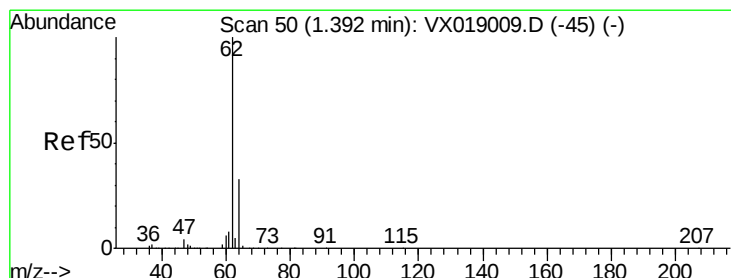
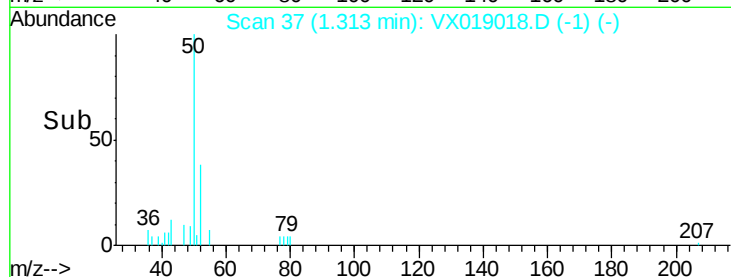
500

0

1.30

1.35

Time-->



#4

Vinyl Chloride

Concen: 0.648 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019018.D

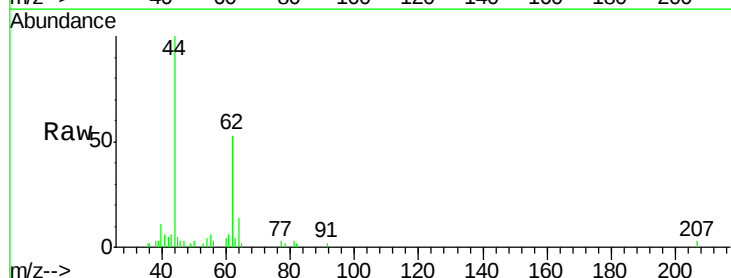
Acq: 22 Oct 2020 11:53

Tgt Ion: 62 Resp: 1817

Ion Ratio Lower Upper

62 100

64 27.3 26.5 39.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1500

1000

500

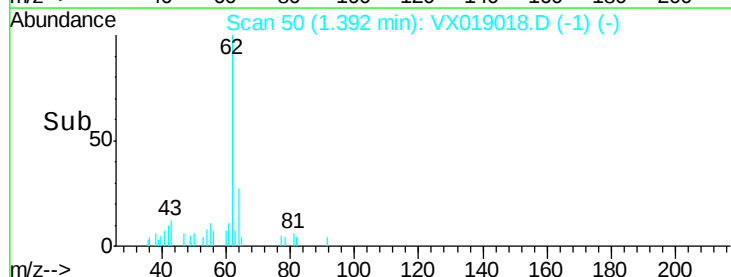
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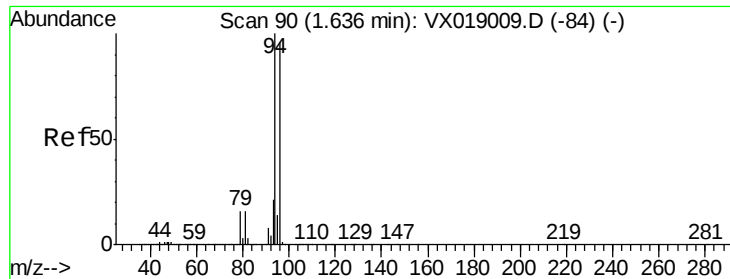
1.35

1.40

1.45

Time-->





#5

Bromomethane

Concen: 0.945 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 94 Resp: 2705

Ion Ratio Lower Upper

94 100

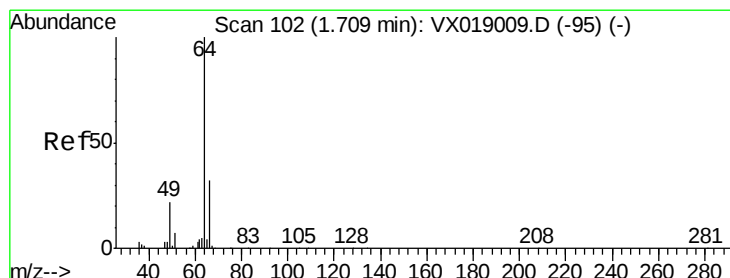
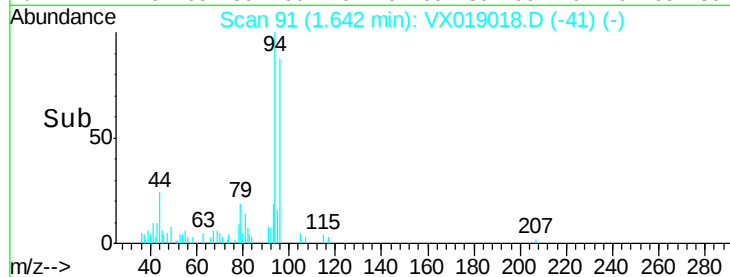
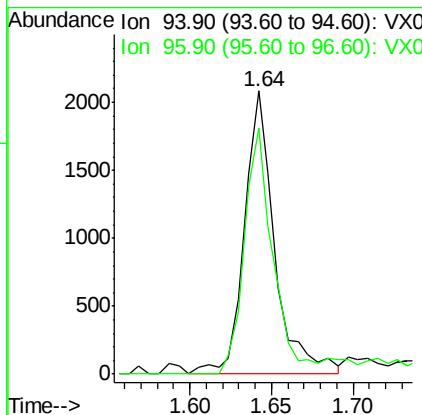
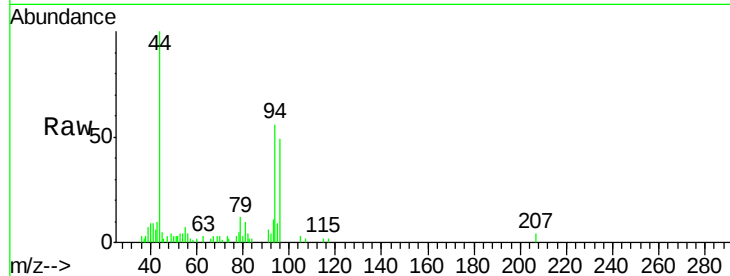
96 87.2 77.1 115.7

Manual Integrations

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#6

Chloroethane

Concen: 0.879 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX019018.D

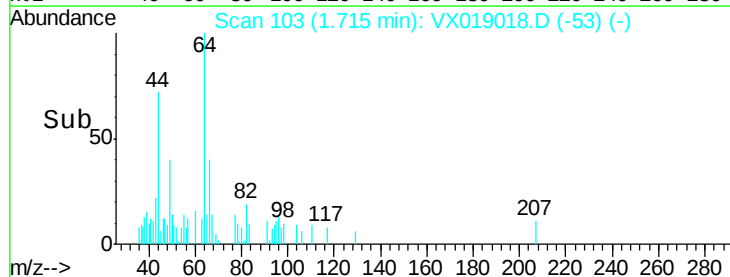
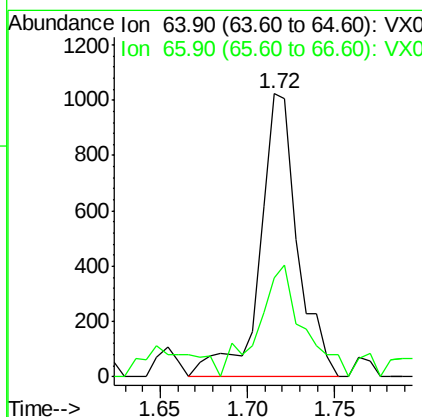
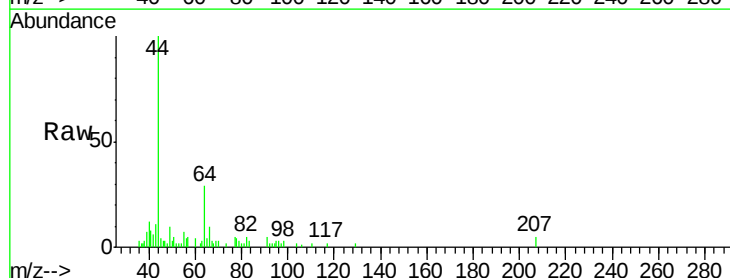
Acq: 22 Oct 2020 11:53

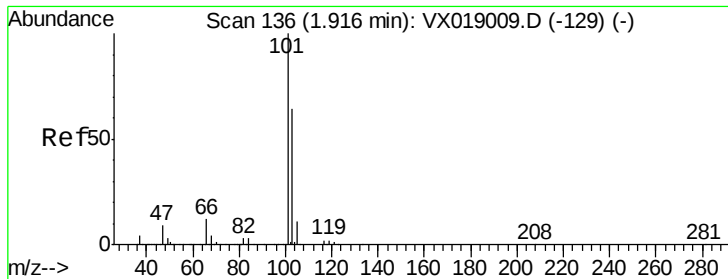
Tgt Ion: 64 Resp: 1538

Ion Ratio Lower Upper

64 100

66 27.5 25.7 38.5





#7

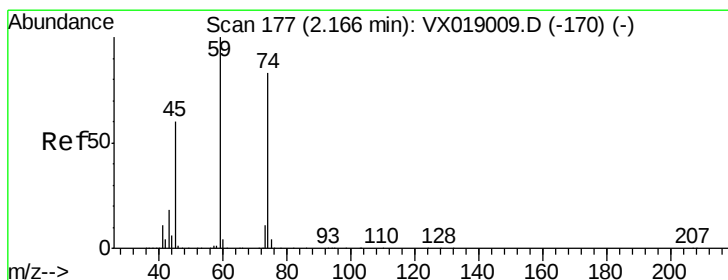
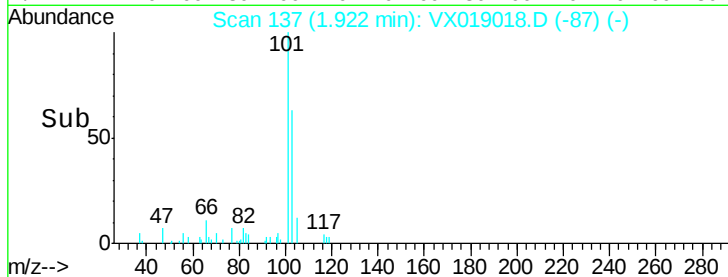
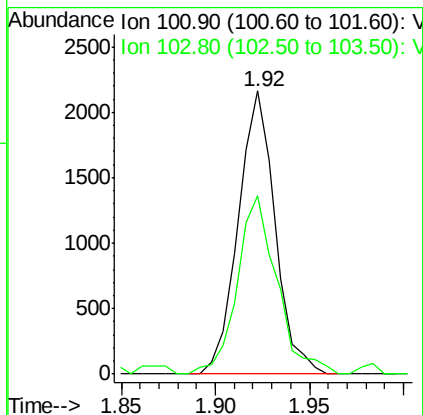
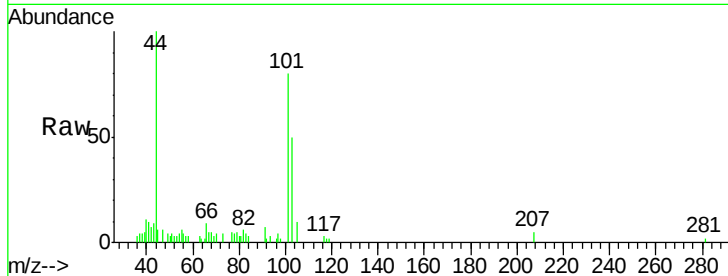
Trichlorofluoromethane
Concen: 0.619 ug/l
RT: 1.92 min Scan# 137
Delta R.T. 0.01 min
Lab File: VX019018.D
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LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.2	76.8

Manual Integrations
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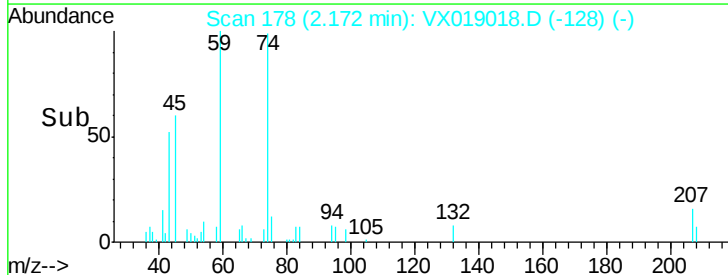
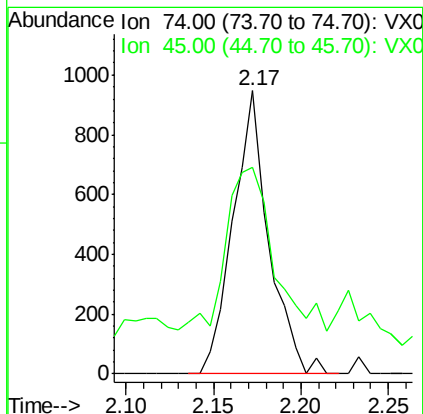
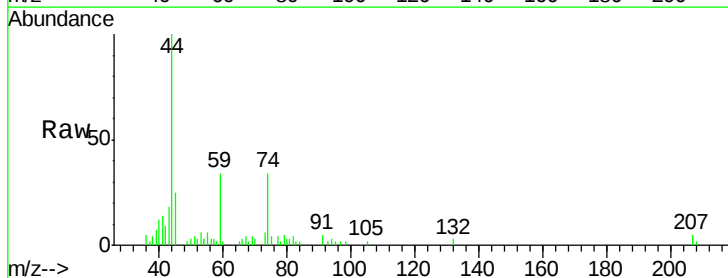
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10/23/2020 12:05:53 PM

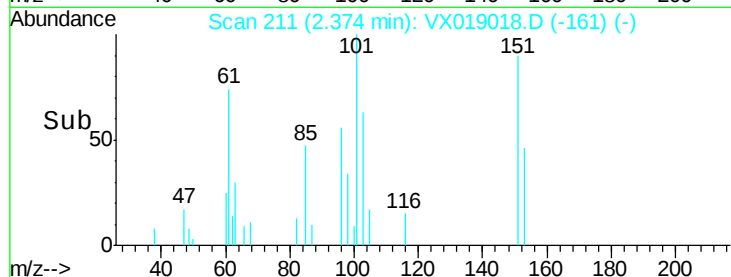
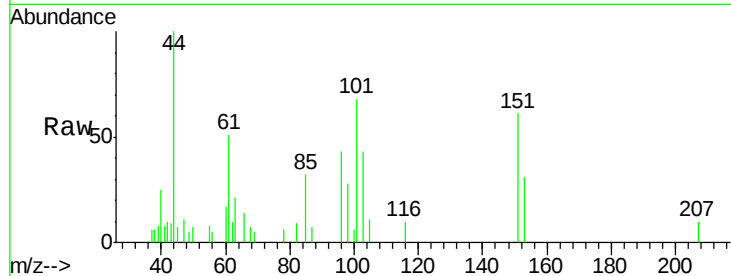
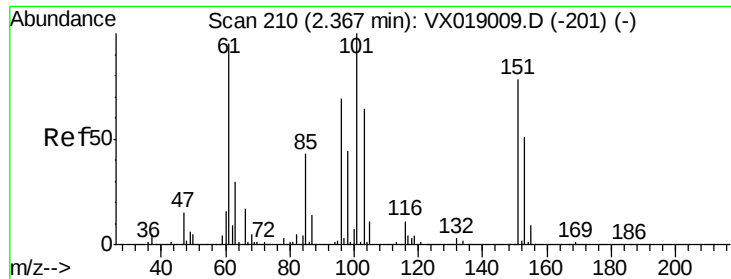


#8

Diethyl Ether
Concen: 0.723 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.01 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.7	36.8	110.4





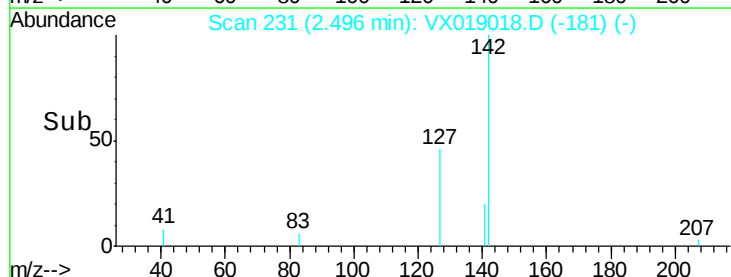
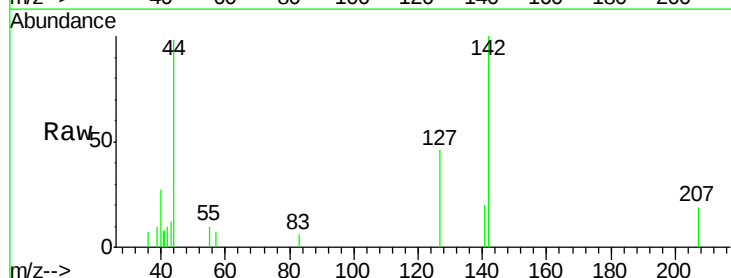
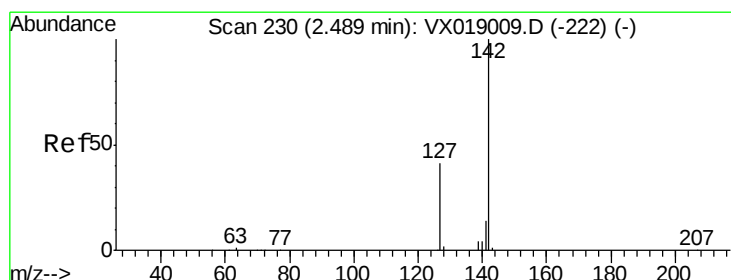
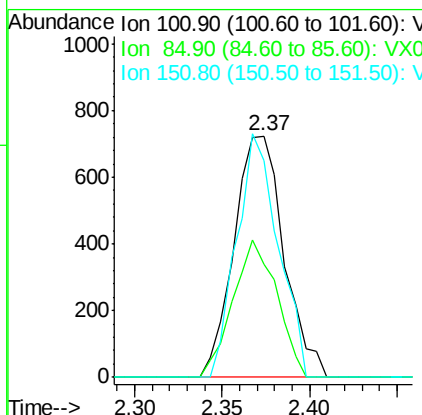
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.641 ug/l
RT: 2.37 min Scan# 211
Delta R.T. 0.01 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
101	100		
85	50.2	35.2	52.8
151	83.7	62.4	93.6

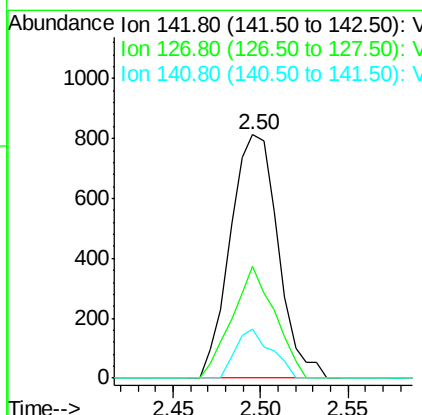
Manual Integrations
APPROVED

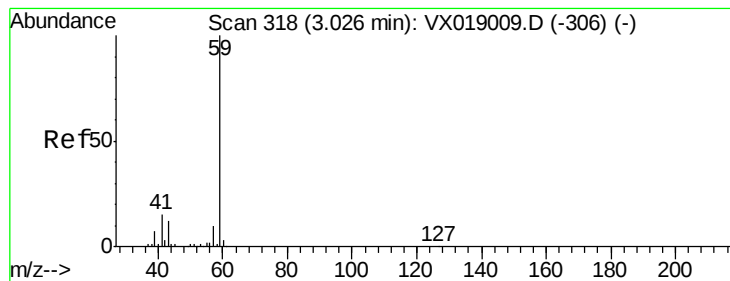
MMDadoda
10/23/2020 12:05:53 PM



#10
Methyl Iodide
Concen: 0.545 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.1	33.6	50.4
141	15.1	11.2	16.8





#11

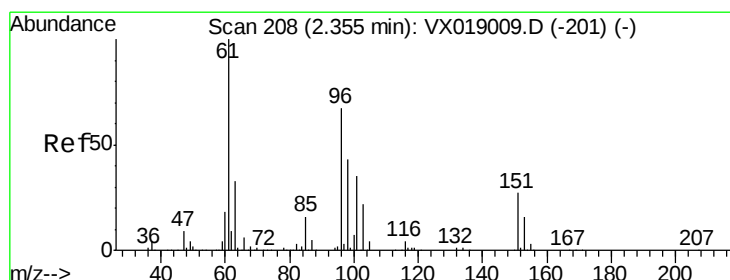
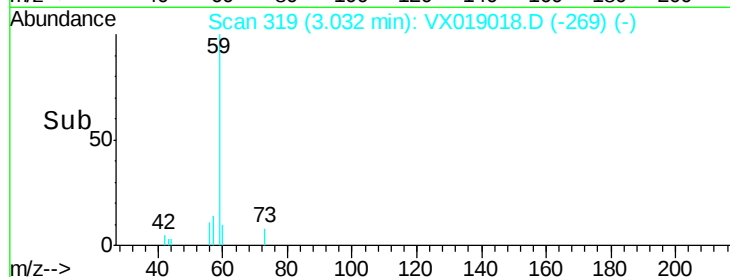
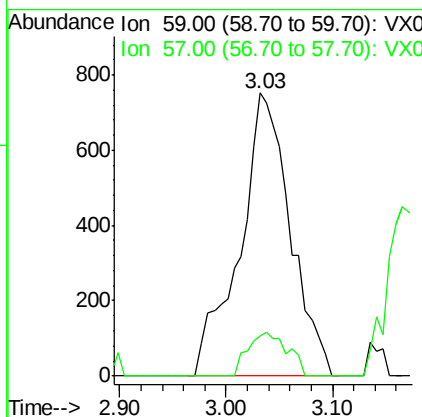
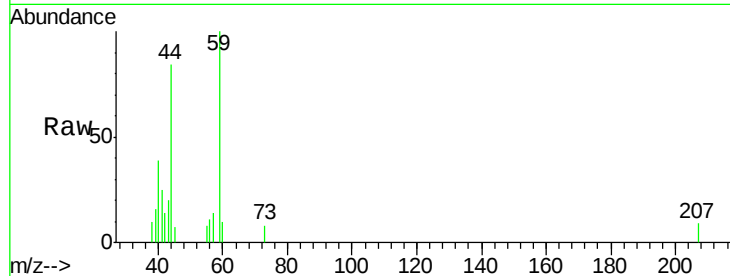
Tert butyl alcohol
Concen: 4.284 ug/l
RT: 3.03 min Scan# 319
Delta R.T. 0.01 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 59 Resp: 2493
Ion Ratio Lower Upper
59 100
57 12.2 8.2 12.2

Manual Integrations
APPROVED

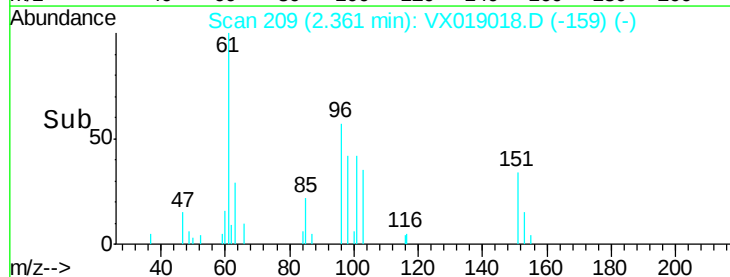
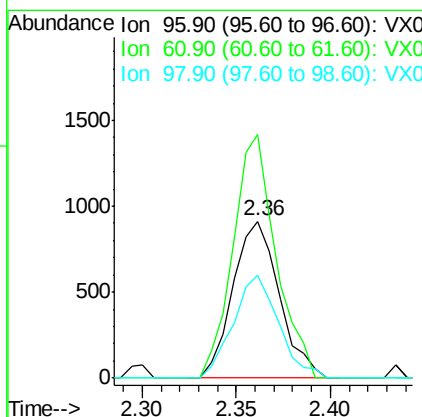
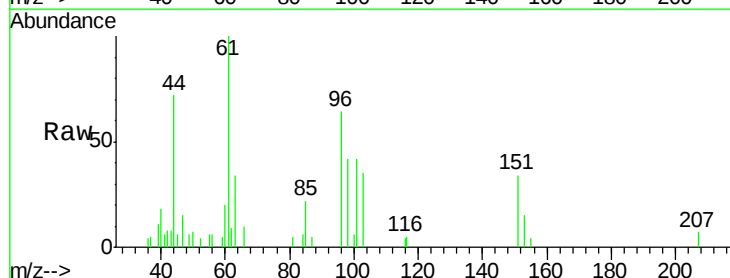
MMDadoda
10/23/2020 12:05:53 PM

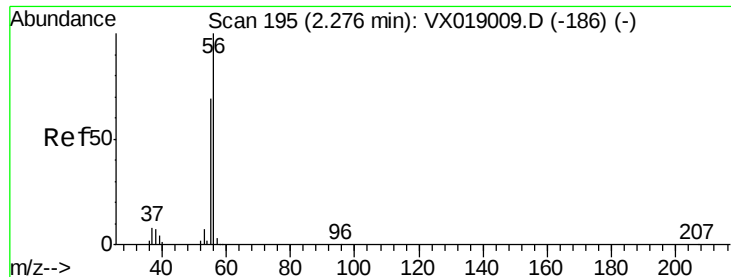


#12

1,1-Dichloroethene
Concen: 0.666 ug/l
RT: 2.36 min Scan# 209
Delta R.T. 0.01 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Tgt Ion: 96 Resp: 1556
Ion Ratio Lower Upper
96 100
61 155.2 119.0 178.6
98 65.3 51.0 76.4





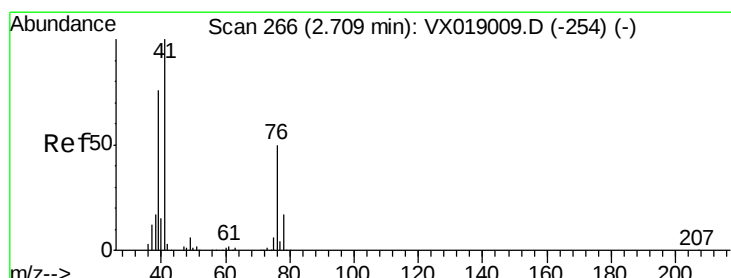
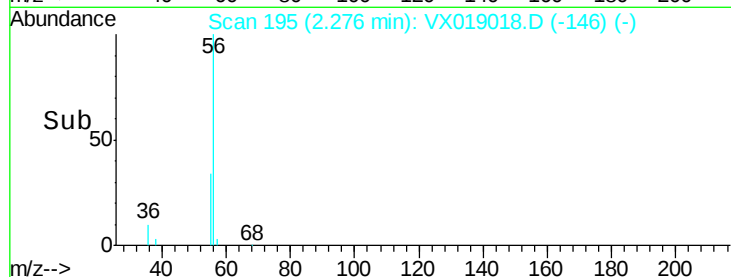
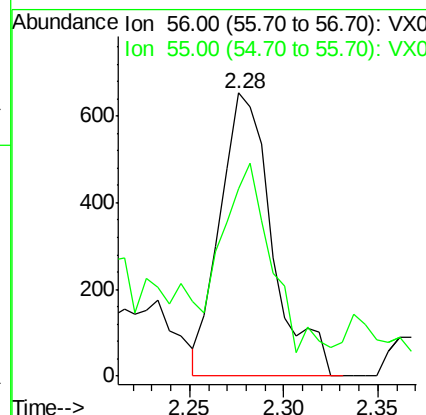
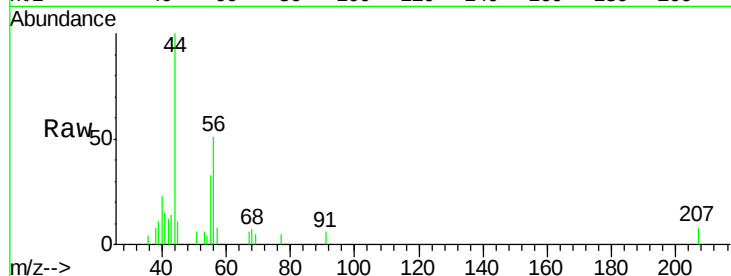
#13
Acrolein
Concen: 5.460 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.00 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
56	100		
55	56.8	54.2	81.4

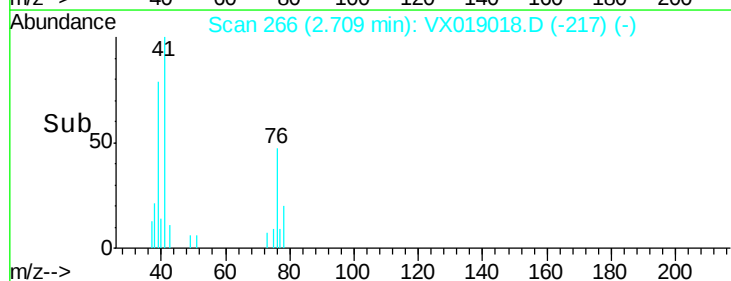
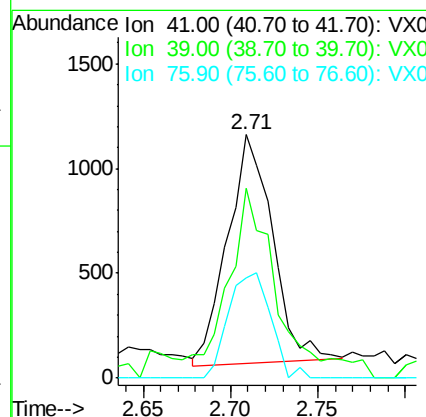
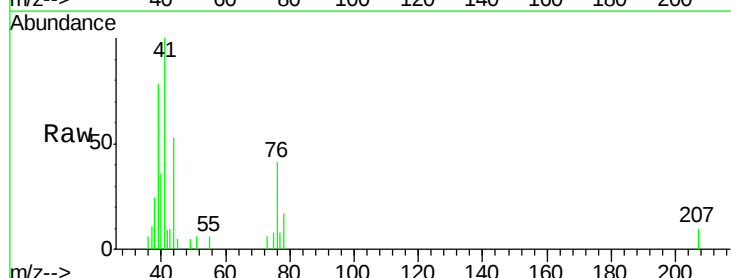
Manual Integrations
APPROVED

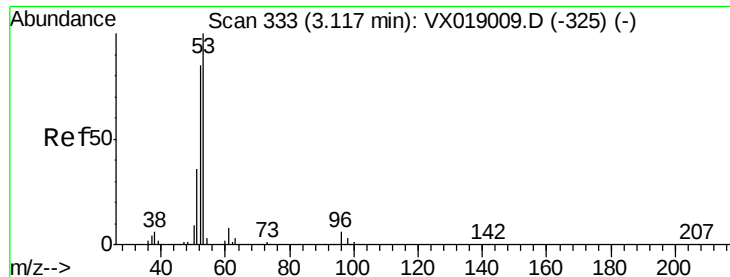
MMDadoda
10/23/2020 12:05:53 PM



#14
Allyl chloride
Concen: 0.652 ug/l
RT: 2.71 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Tgt Ion	Ratio	Lower	Upper
41	100		
39	91.3	57.4	86.0#
76	42.6	37.7	56.5





#15

Acrylonitrile

Concen: 3.411 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Instrument :

MSVOA_X

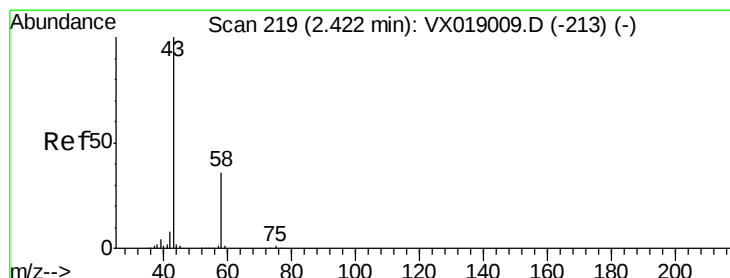
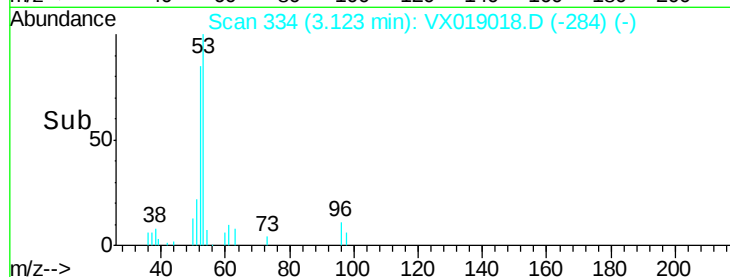
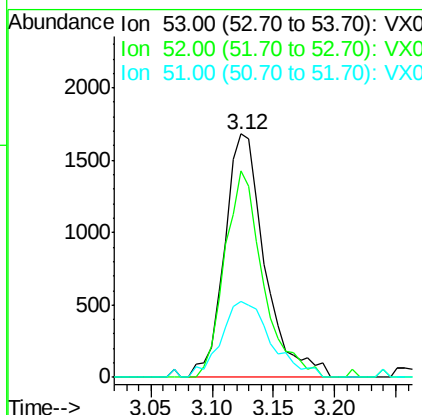
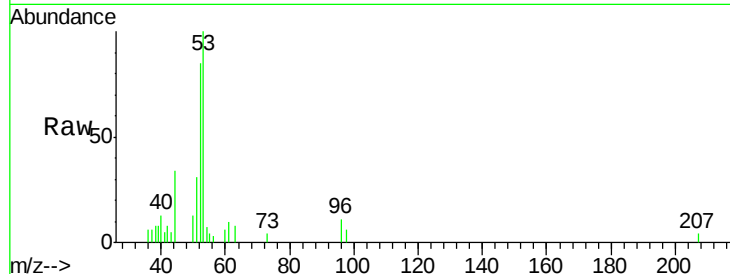
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	53	Resp:	3839
Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.9	98.9
51	38.8	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 3.960 ug/l

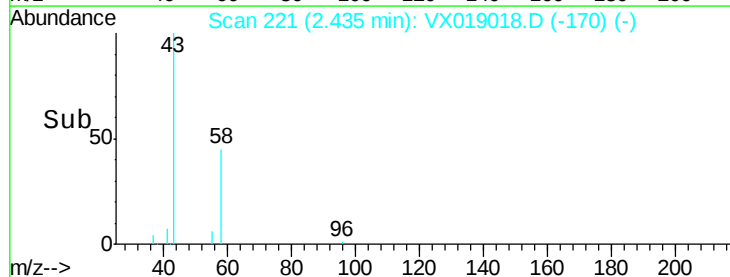
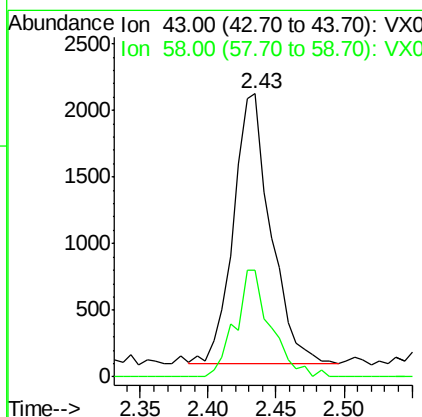
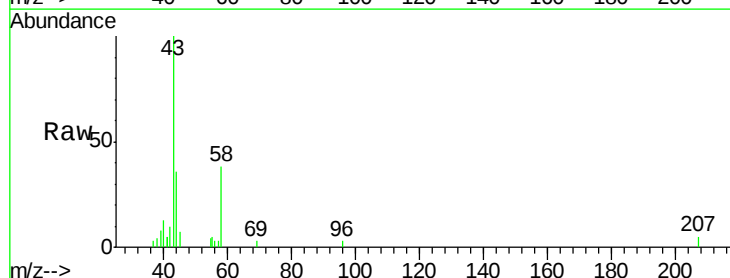
RT: 2.43 min Scan# 221

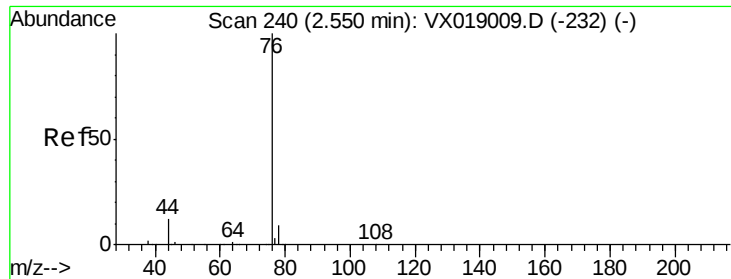
Delta R.T. 0.01 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Tgt Ion:	43	Resp:	3876
Ion	Ratio	Lower	Upper
43	100		
58	39.4	28.6	42.8





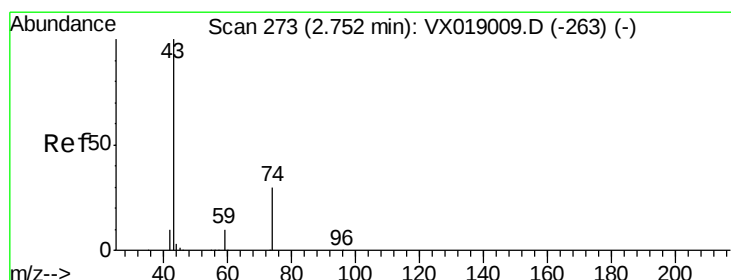
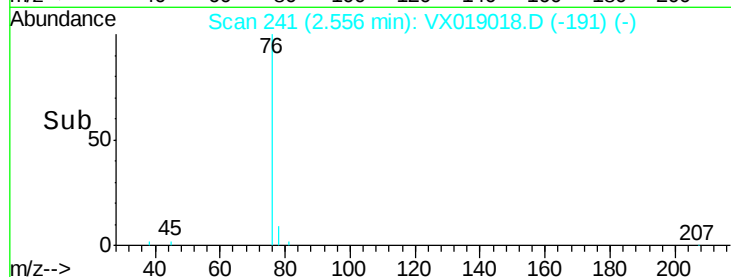
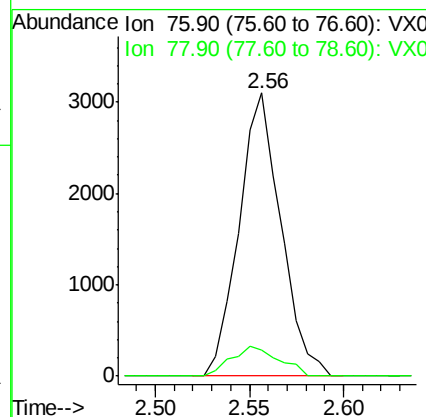
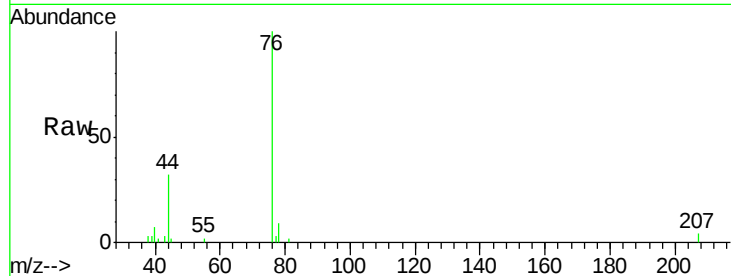
#17
Carbon Disulfide
Concen: 0.708 ug/l
RT: 2.56 min Scan# 241
Delta R.T. 0.01 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.1	10.7

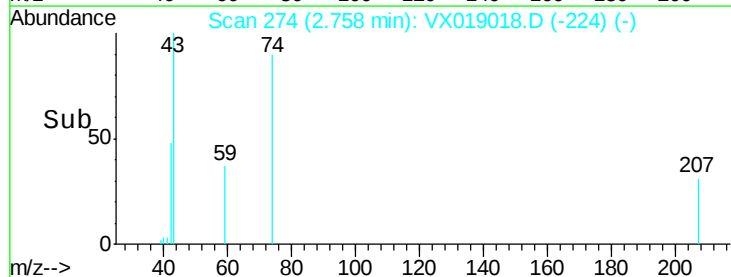
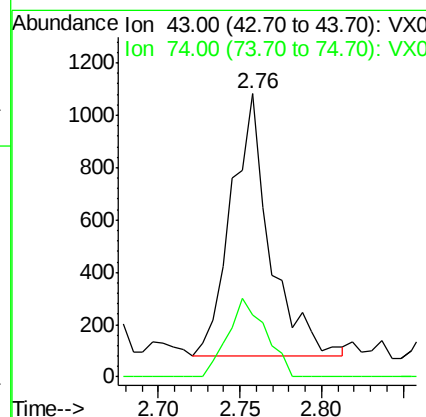
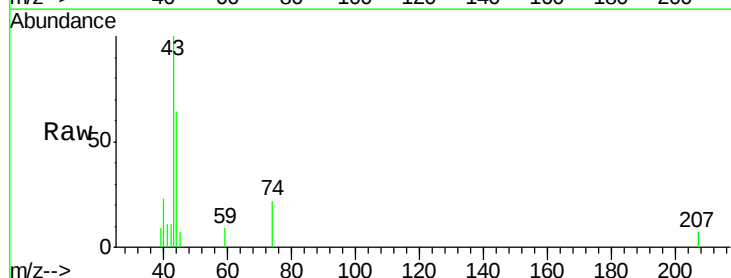
Manual Integrations
APPROVED

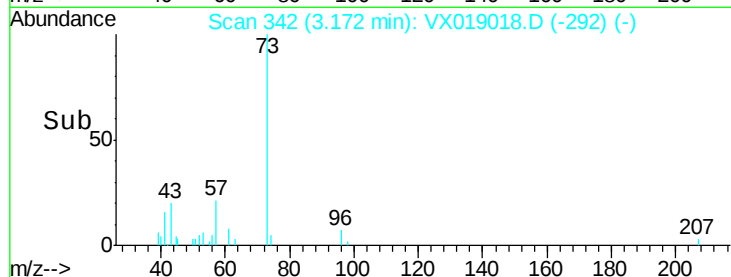
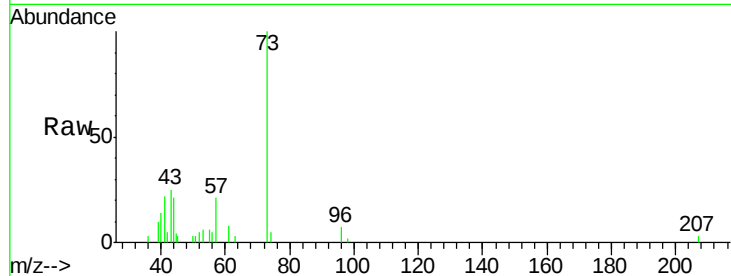
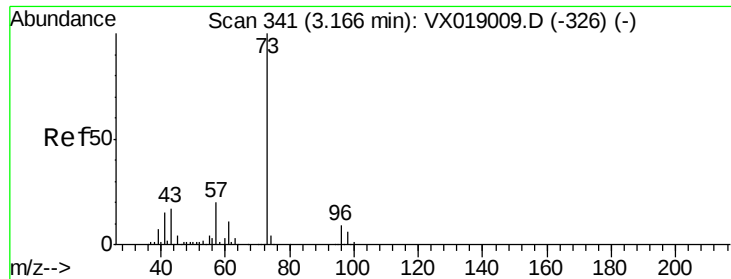
MMDadoda
10/23/2020 12:05:53 PM



#18
Methyl Acetate
Concen: 0.686 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.2	24.9	37.3





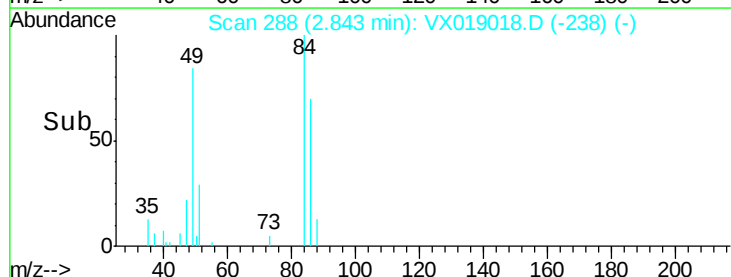
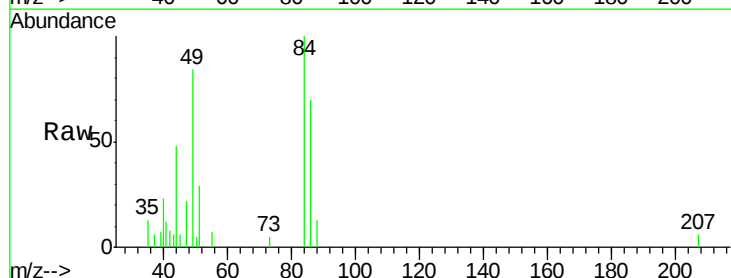
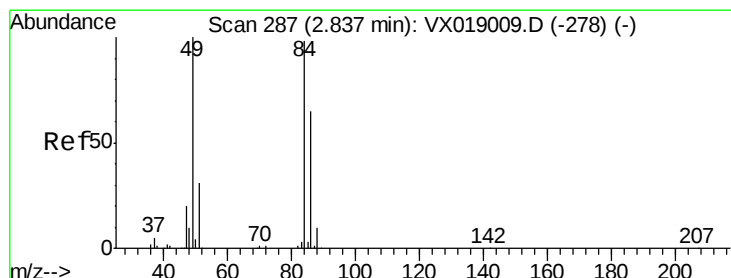
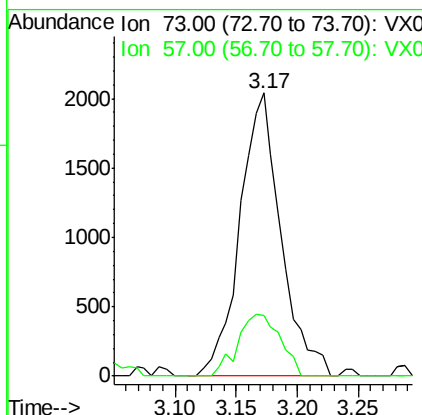
#19
Methyl tert-butyl Ether
Concen: 0.645 ug/l
RT: 3.17 min Scan# 342
Delta R.T. 0.01 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Tot Ion	73	Resp	4771
Ion Ratio	100	Lower	Upper
73	100	16.2	24.2
57	21.2		

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

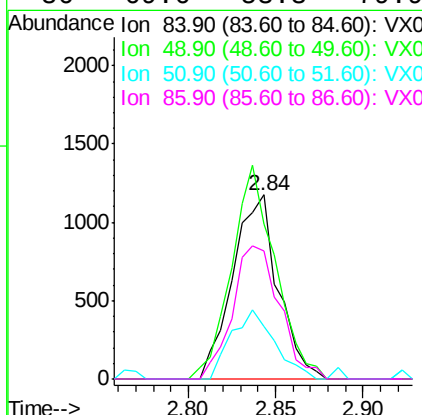
Manual Integrations
APPROVED

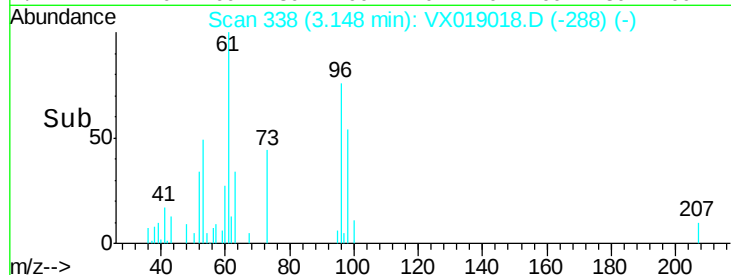
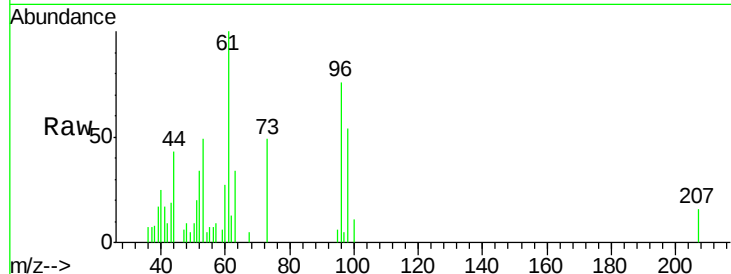
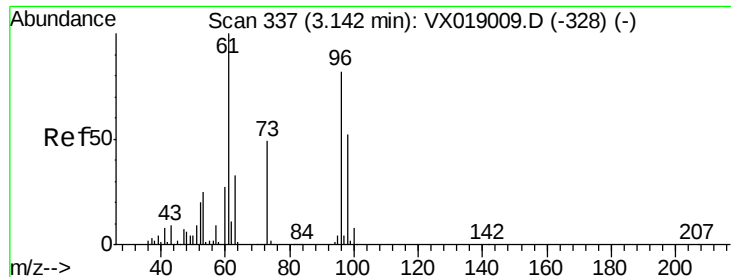
MMDadoda
10/23/2020 12:05:53 PM



#20
Methylene Chloride
Concen: 0.777 ug/l
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Tgt Ion	84	Resp	2118
Ion Ratio	100	Lower	Upper
84	100	81.6	122.4
49	83.8	25.6	38.4
51	28.8		
86	69.6	53.3	79.9





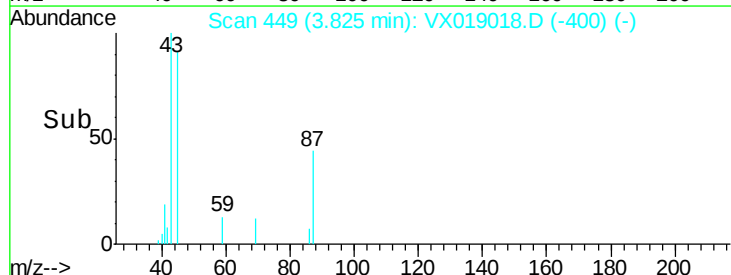
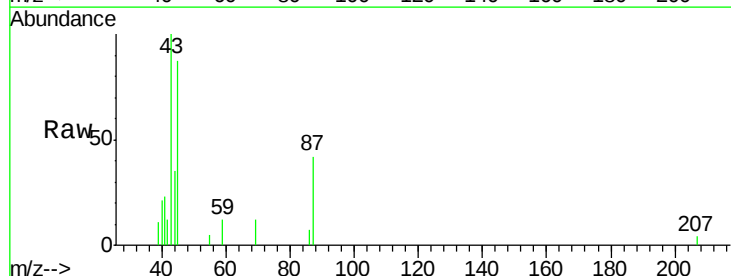
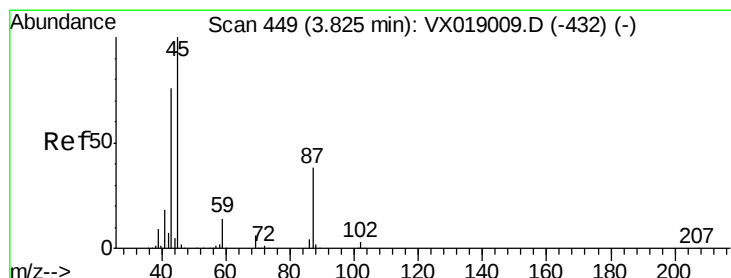
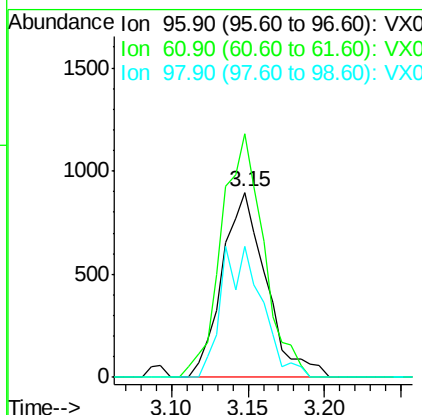
#21
trans-1,2-Dichloroethene
Concen: 0.661 ug/l
RT: 3.15 min Scan# 338
Delta R.T. 0.01 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.4	97.8	146.6
98	70.9	50.7	76.1

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

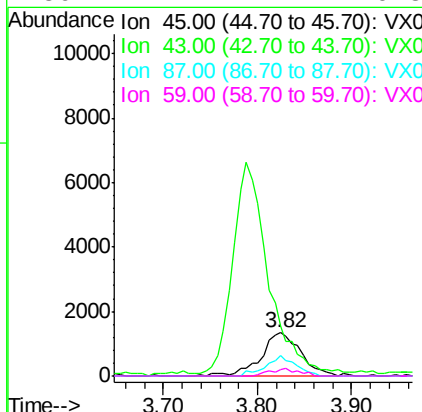
Manual Integrations
APPROVED

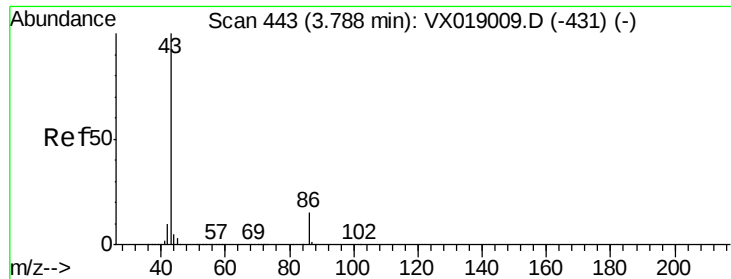
MMDadoda
10/23/2020 12:05:53 PM



#22
Diisopropyl ether
Concen: 0.660 ug/l
RT: 3.82 min Scan# 449
Delta R.T. 0.00 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Tgt Ion	Ratio	Lower	Upper
45	100		
43	110.0	60.4	90.6#
87	48.3	30.4	45.6#
59	14.1	11.2	16.8





#23

Vinyl Acetate

Concen: 3.005 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 16995

Ion Ratio Lower Upper

43 100

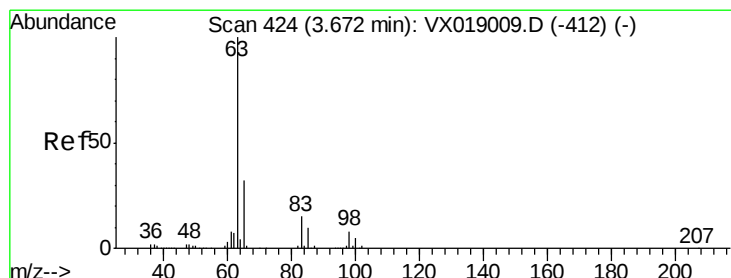
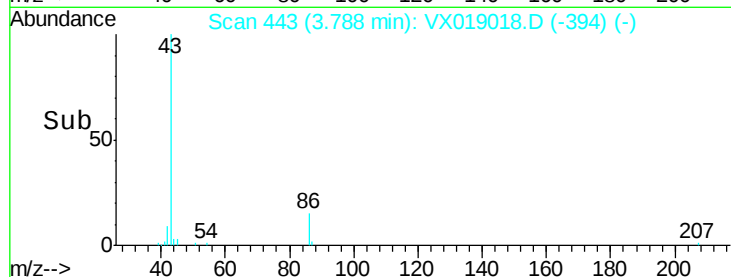
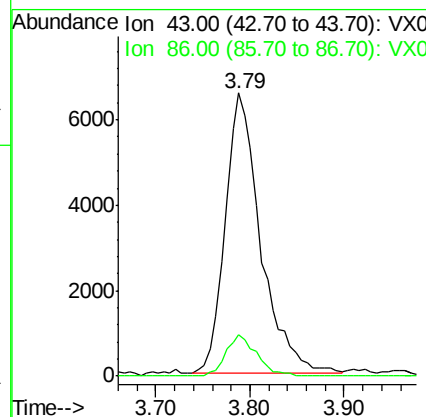
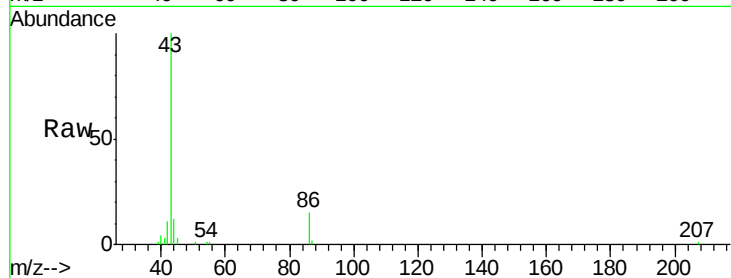
86 14.9 11.7 17.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 0.648 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

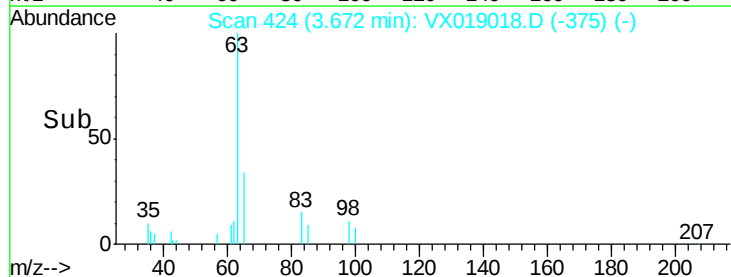
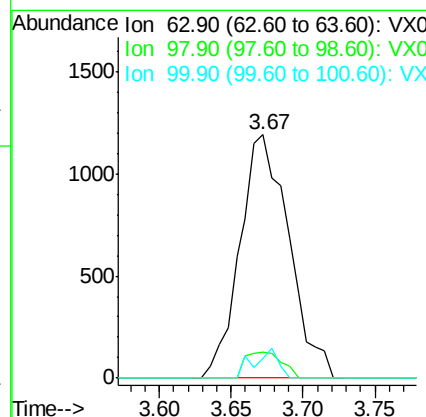
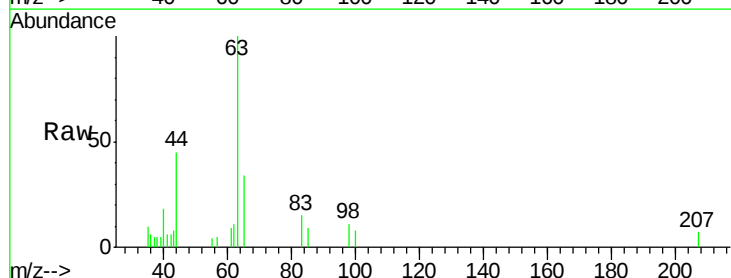
Tgt Ion: 63 Resp: 2810

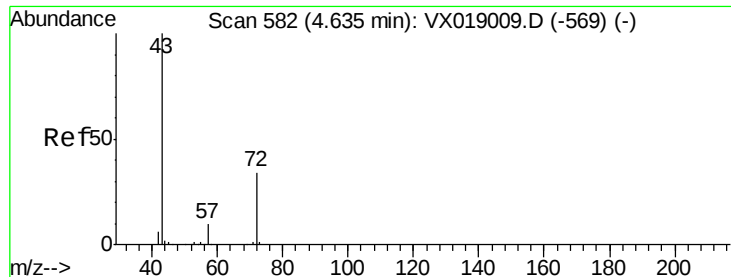
Ion Ratio Lower Upper

63 100

98 10.9 4.0 12.0

100 8.0 2.5 7.4#





#25

2-Butanone

Concen: 3.415 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 5282

Ion Ratio Lower Upper

43 100

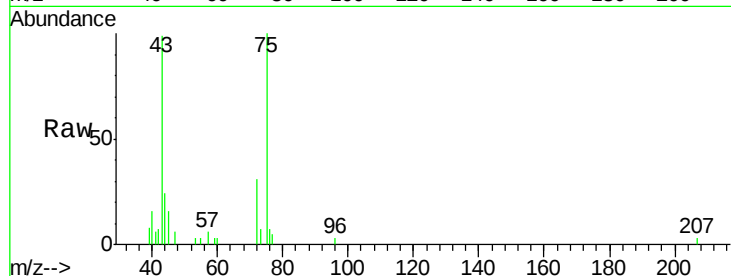
72 32.3 27.8 41.6

Manual Integrations

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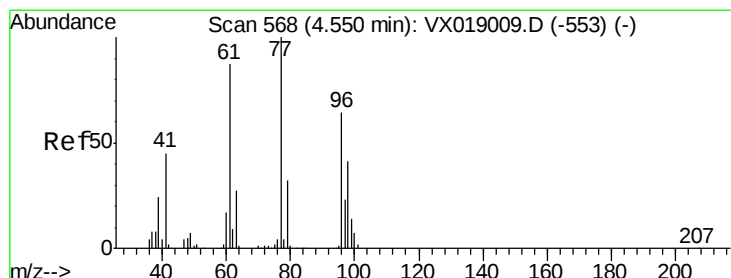
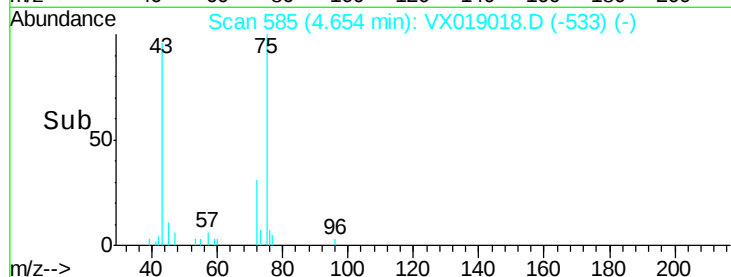
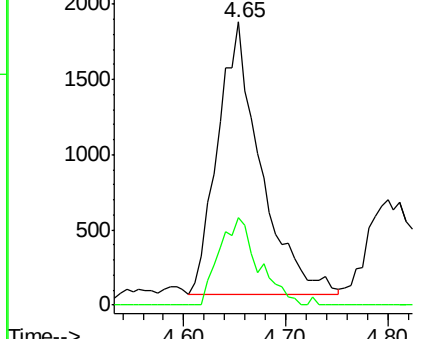
MMDadoda

10/23/2020 12:05:53 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 0.652 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.01 min

Lab File: VX019018.D

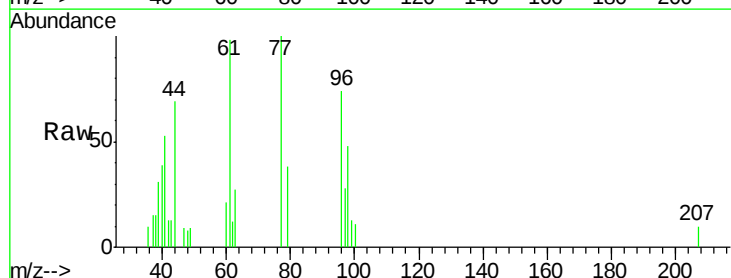
Acq: 22 Oct 2020 11:53

Tgt Ion: 77 Resp: 2611

Ion Ratio Lower Upper

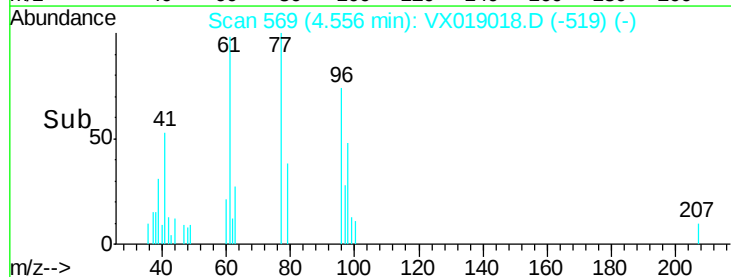
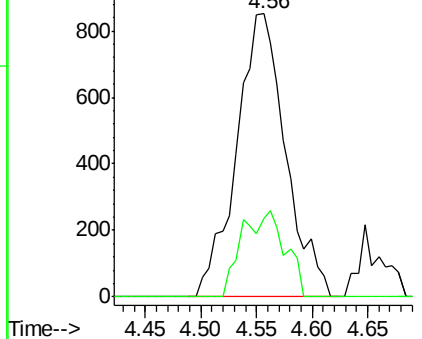
77 100

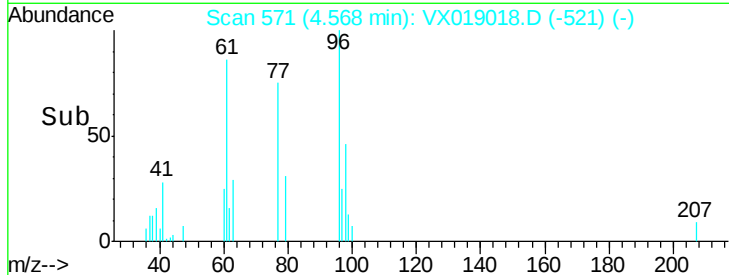
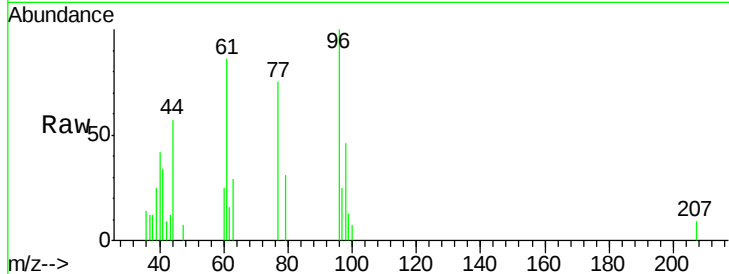
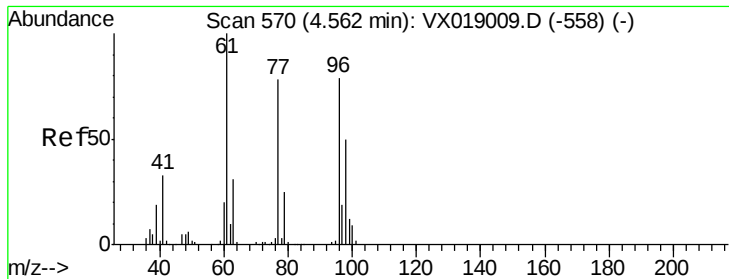
97 26.9 11.9 35.7



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





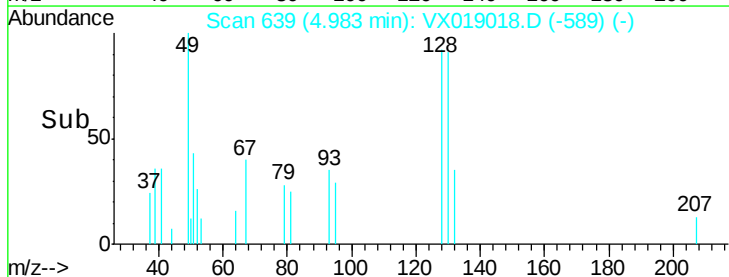
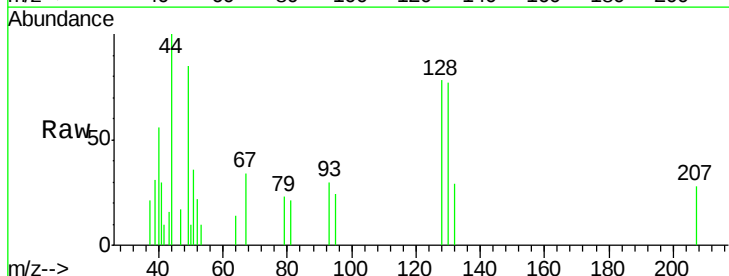
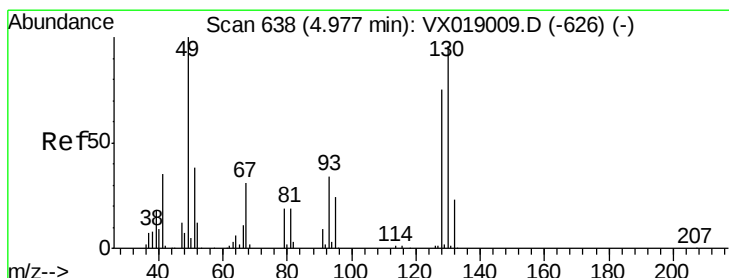
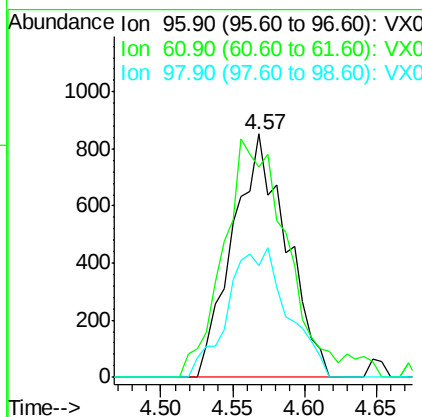
#27
 cis-1,2-Dichloroethene
 Concen: 0.718 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX019018.D
 Acq: 22 Oct 2020 11:53

Tot Ion:	96	Resp:	2219
Ion	Ratio	Lower	Upper
96	100		
61	113.2	0.0	260.0
98	58.8	0.0	131.4

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

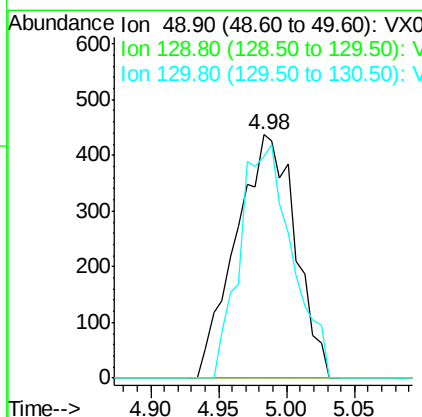
Manual Integrations
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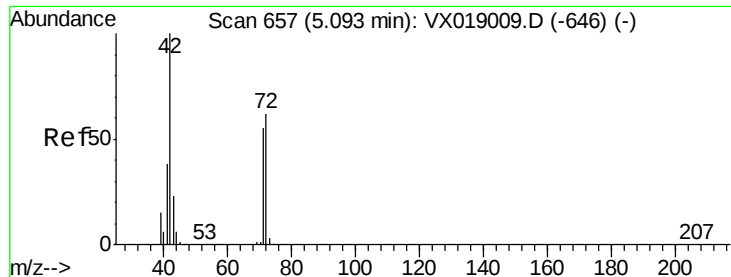
MMDadoda
 10/23/2020 12:05:53 PM



#28
 Bromochloromethane
 Concen: 0.722 ug/l
 RT: 4.98 min Scan# 639
 Delta R.T. 0.01 min
 Lab File: VX019018.D
 Acq: 22 Oct 2020 11:53

Tgt Ion:	49	Resp:	1330
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.2
130	84.7	79.0	118.6





#29

Tetrahydrofuran

Concen: 3.786 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Instrument :

MSVOA_X

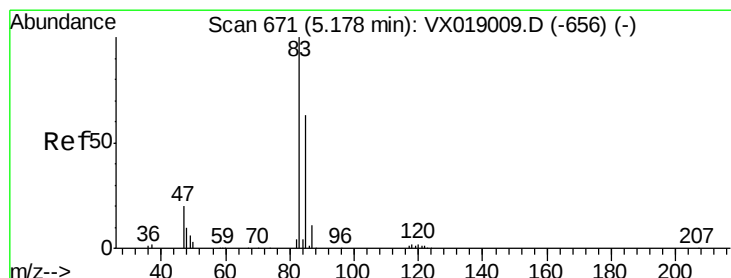
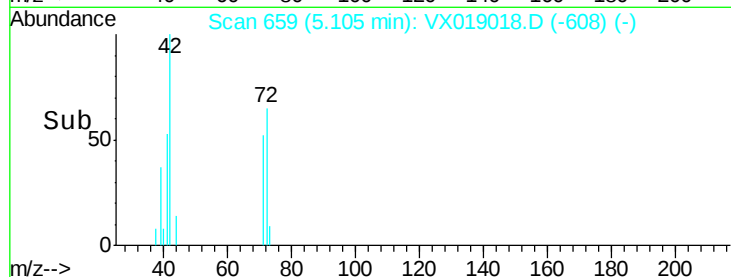
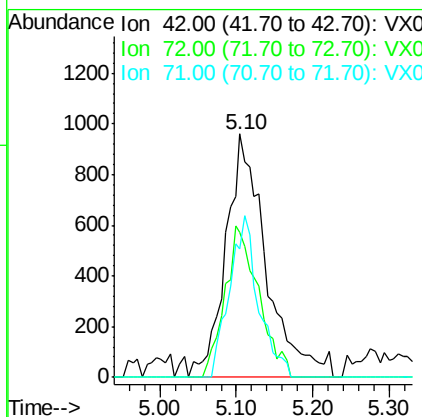
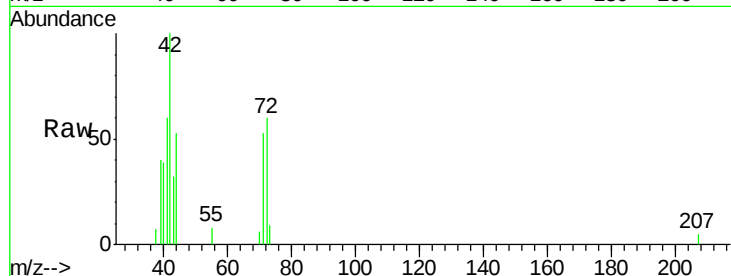
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	42	Resp:	3500
Ion	Ratio	Lower	Upper
42	100		
72	52.1	49.1	73.7
71	47.5	44.2	66.4

Manual Integrations
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#30

Chloroform

Concen: 0.658 ug/l

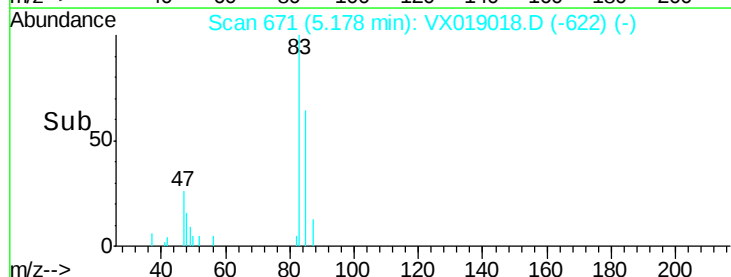
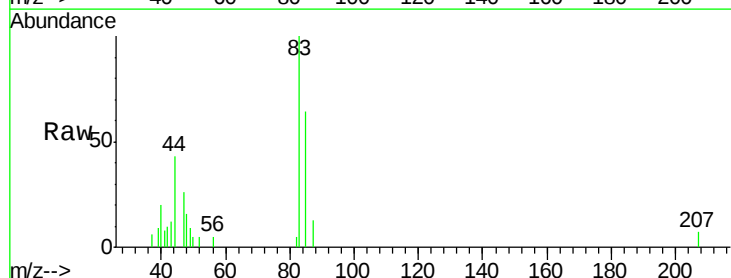
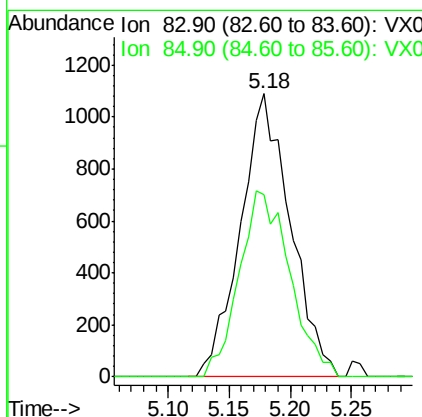
RT: 5.18 min Scan# 671

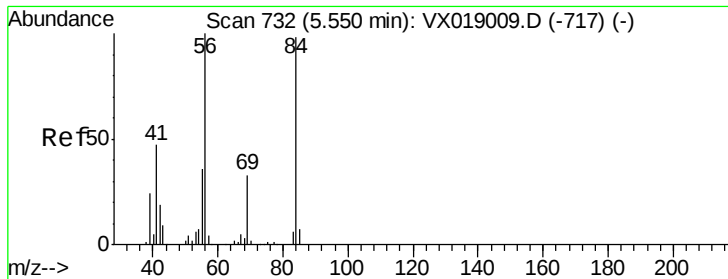
Delta R.T. 0.00 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Tgt Ion:	83	Resp:	3099
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.5	75.7





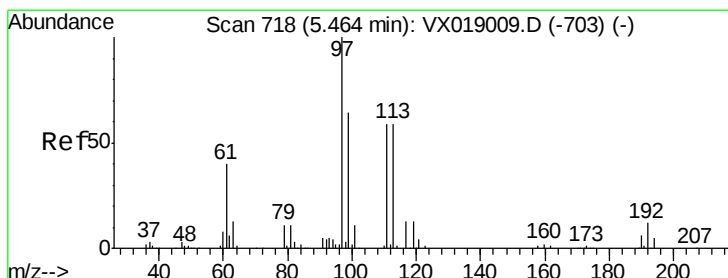
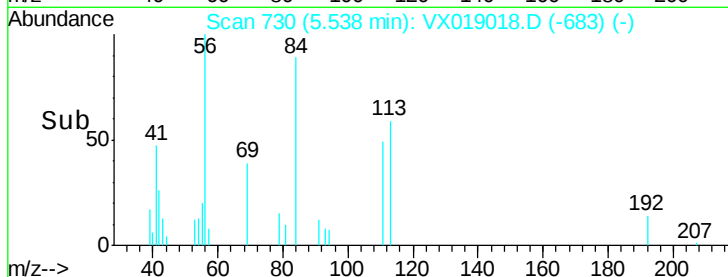
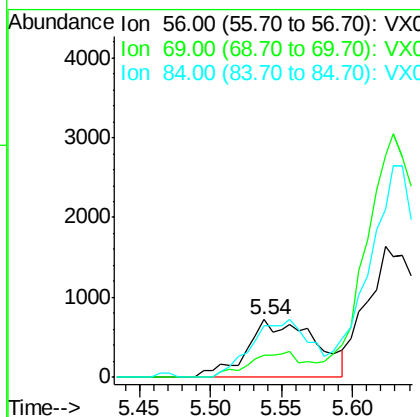
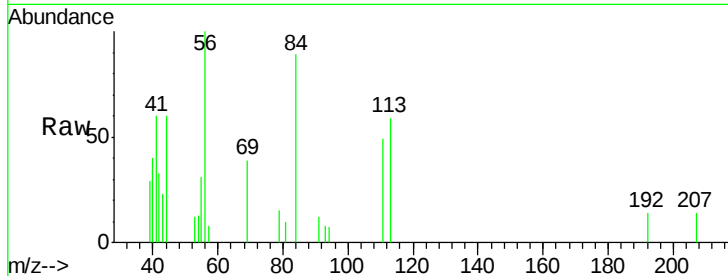
#31
Cyclohexane
Concen: 0.722 ug/l m
RT: 5.54 min Scan# 730
Delta R.T. -0.01 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.5	26.2	39.2
84	89.2	78.3	117.5

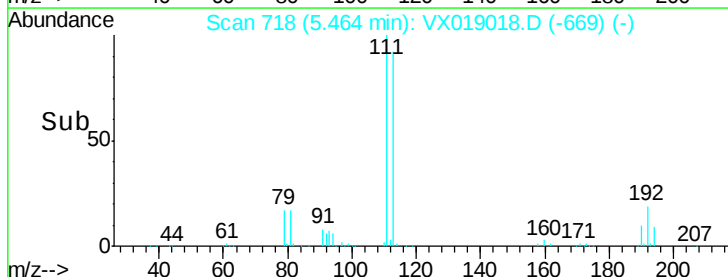
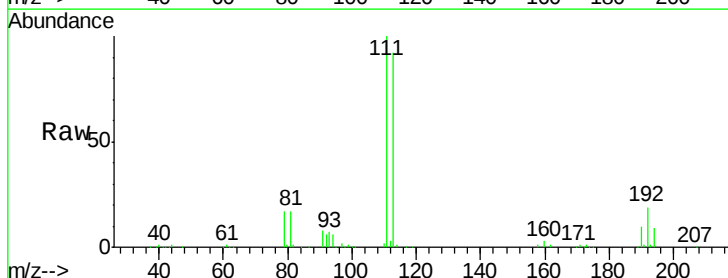
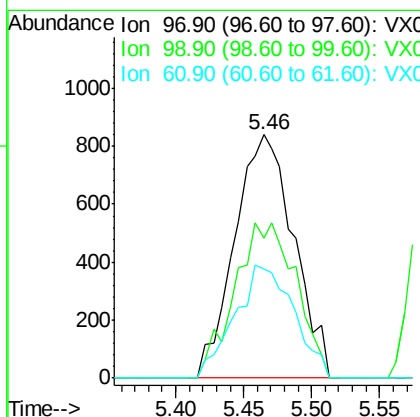
Manual Integrations
APPROVED

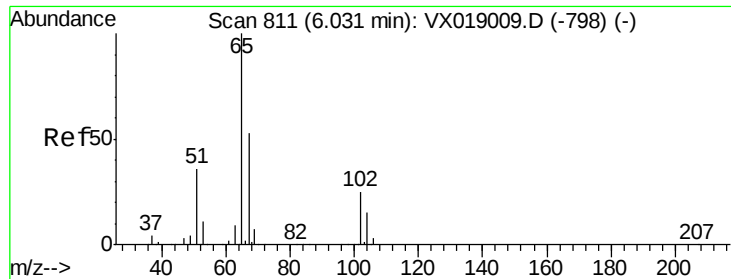
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 0.596 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.3	76.9#
61	46.1	31.9	47.9





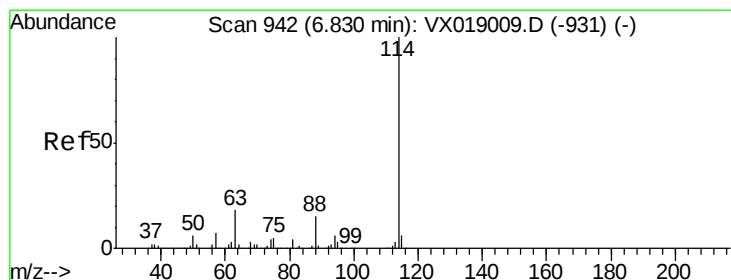
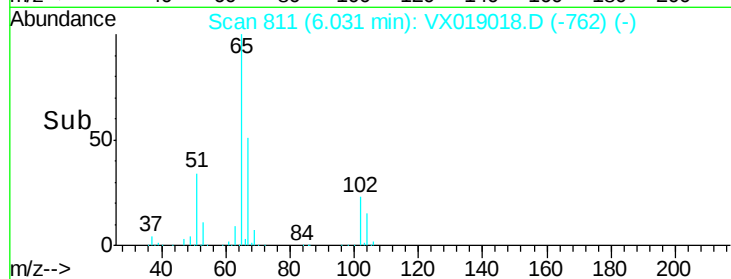
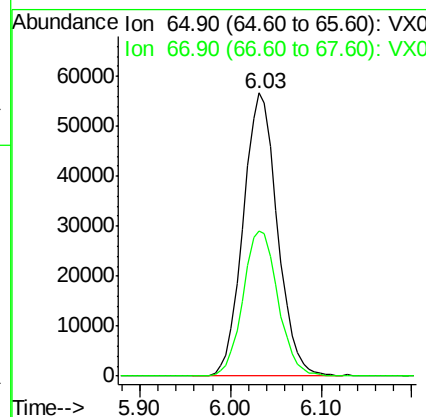
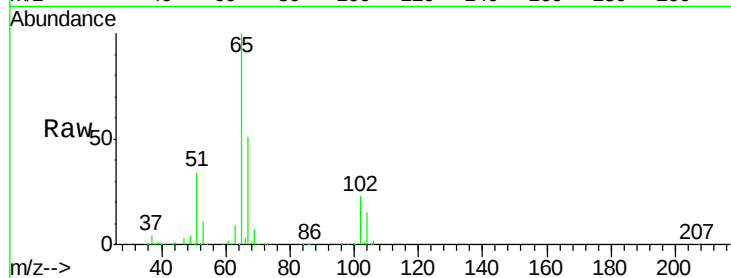
#33
 1,2-Dichloroethane-d4
 Concen: 51.434 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX019018.D
 Acq: 22 Oct 2020 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	147798		
67	52.7	0.0	107.0	

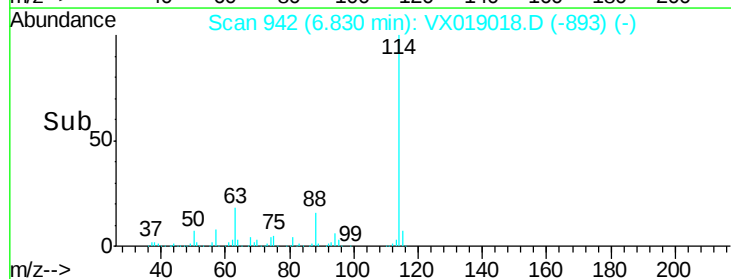
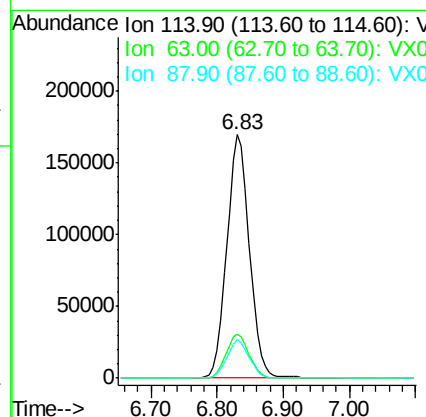
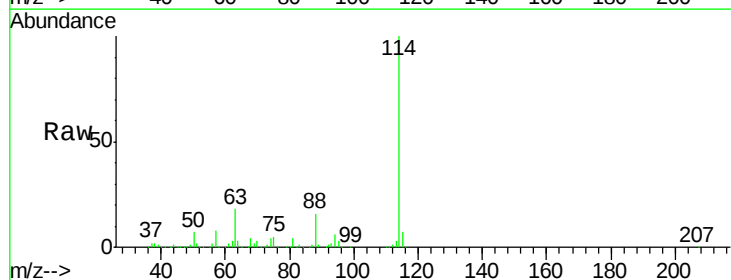
Manual Integrations
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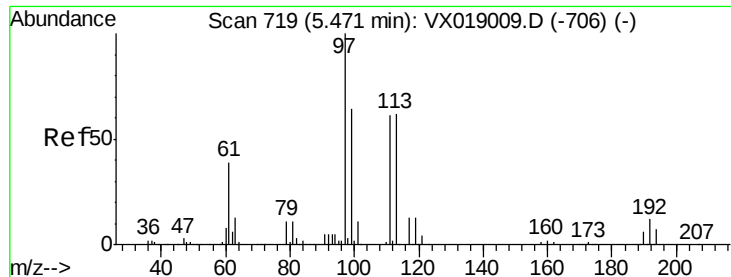
MMDadoda
 10/23/2020 12:05:53 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX019018.D
 Acq: 22 Oct 2020 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	400806		
63	18.3	0.0	36.8	
88	15.8	0.0	30.2	





#35

Dibromofluoromethane

Concen: 49.333 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Instrument :

MSVOA_X

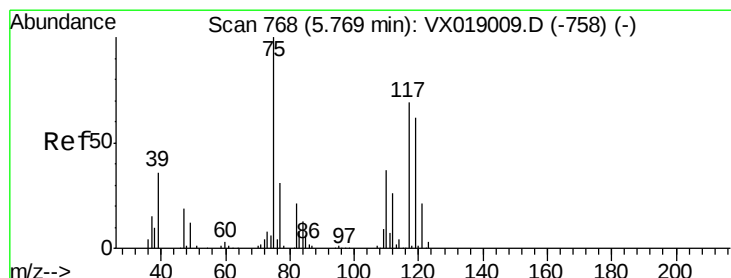
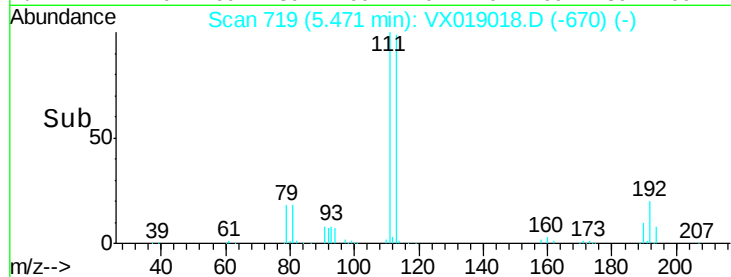
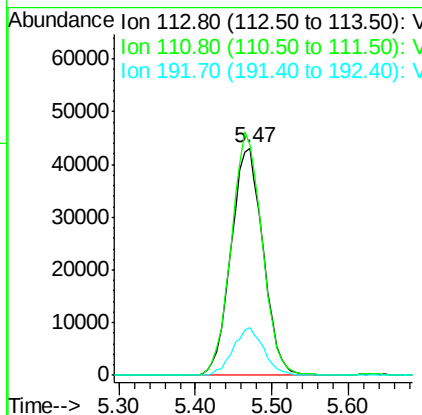
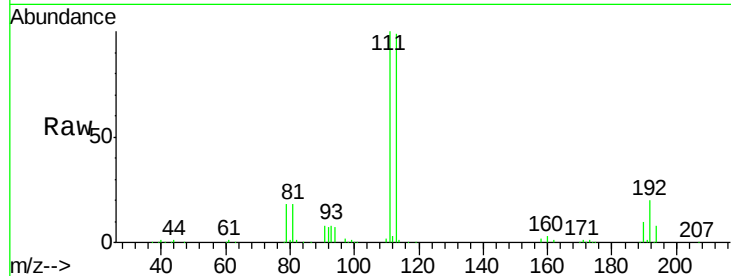
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	113	Resp:	125189
Ion Ratio	Lower	Upper	
113	100		
111	103.1	81.5	122.3
192	20.0	16.3	24.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 0.735 ug/l

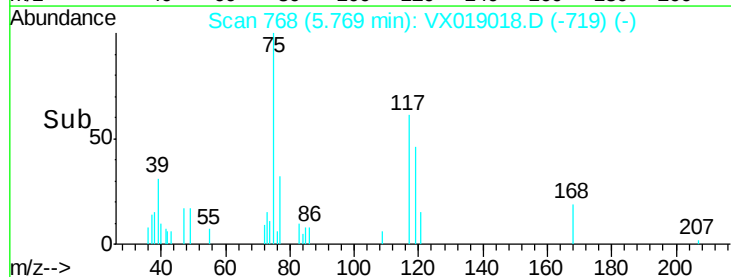
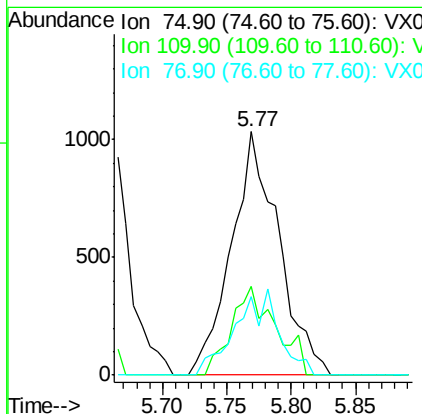
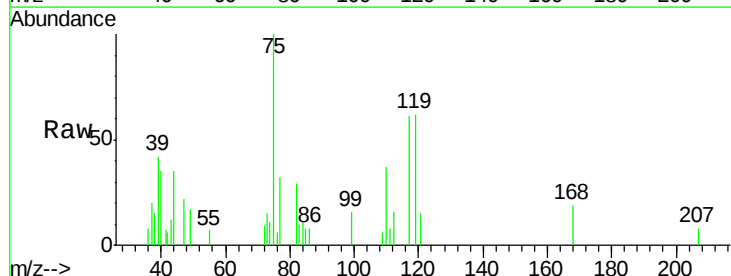
RT: 5.77 min Scan# 768

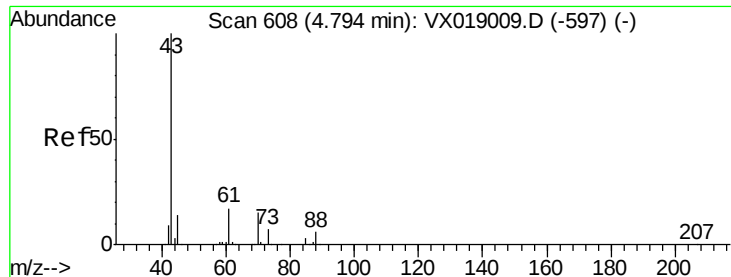
Delta R.T. 0.00 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Tgt Ion:	75	Resp:	2644
Ion Ratio	Lower	Upper	
75	100		
110	34.1	19.4	58.2
77	32.1	25.2	37.8





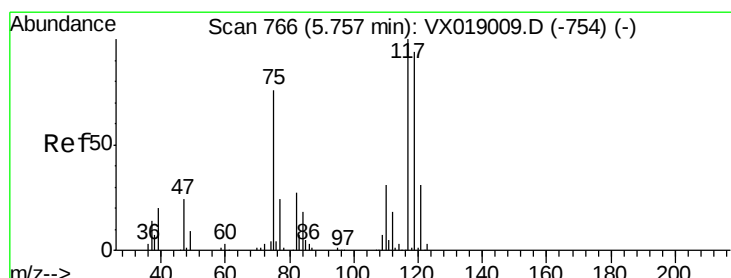
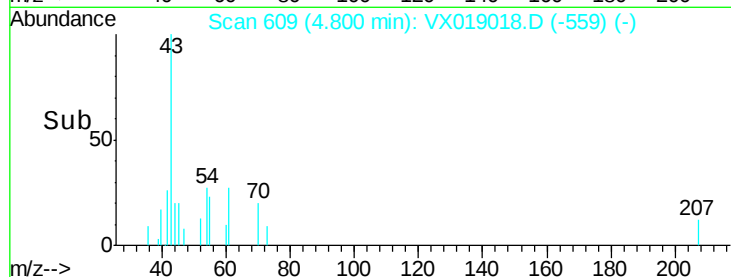
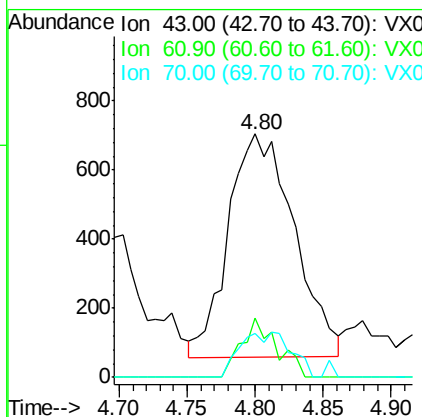
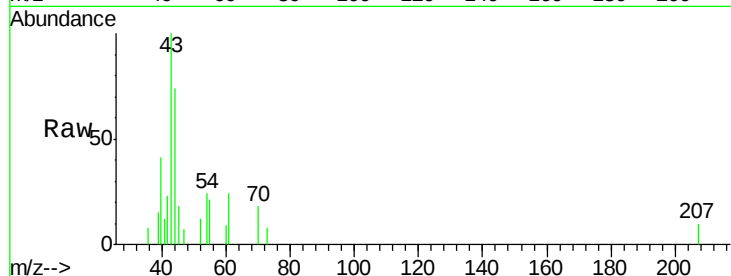
#37
Ethyl Acetate
Concen: 0.711 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	13.8	20.8
70	8.2	11.4	17.2#

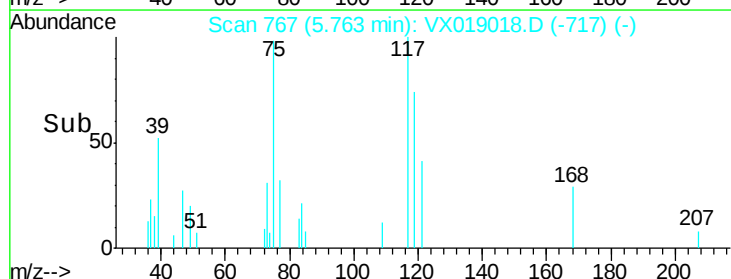
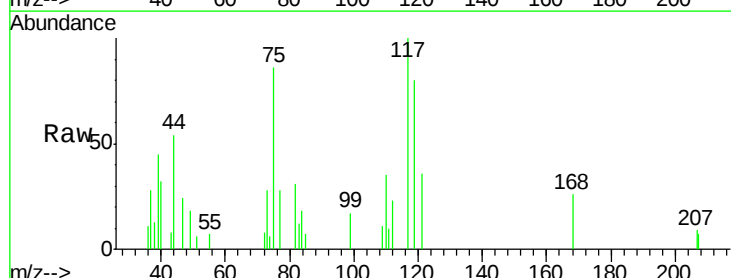
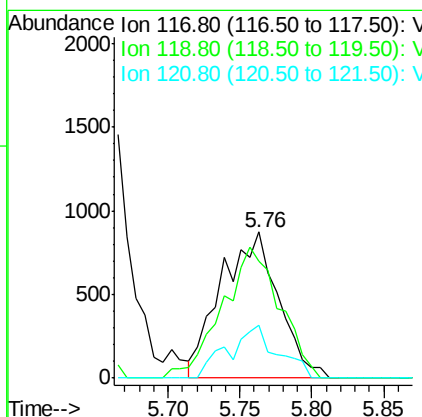
Manual Integrations
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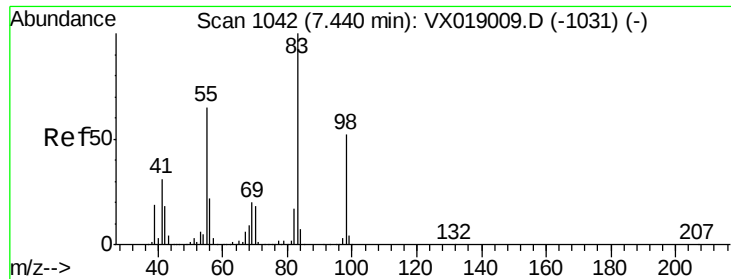
MMDadoda
10/23/2020 12:05:53 PM



#38
Carbon Tetrachloride
Concen: 0.641 ug/l
RT: 5.76 min Scan# 767
Delta R.T. 0.01 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	80.1	75.4	113.0
121	36.2	25.0	37.6





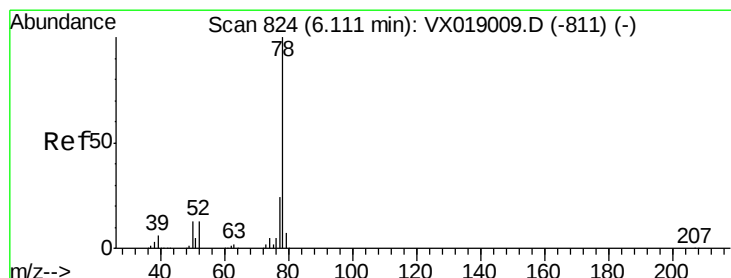
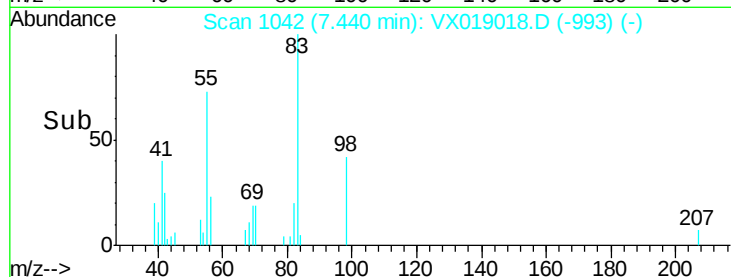
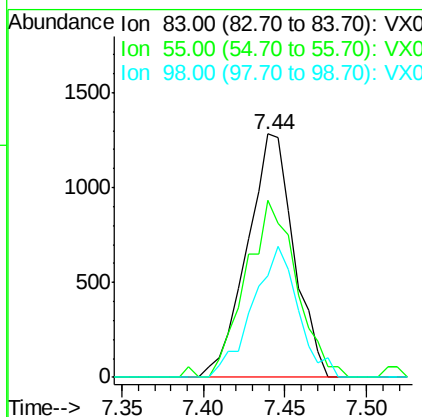
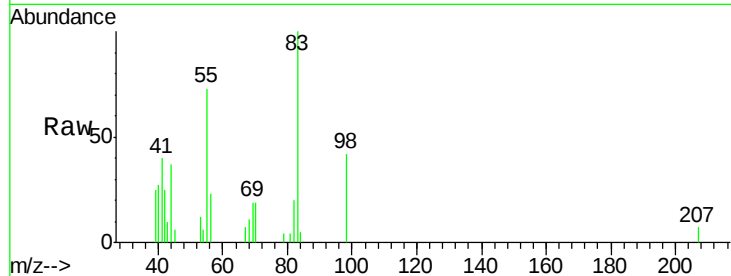
#39
Methvlcvclohexane
Concen: 0.632 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	2546		
55	68.7		51.8	77.6
98	41.9		41.4	62.2

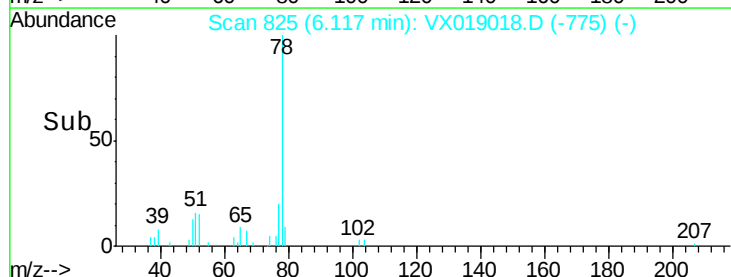
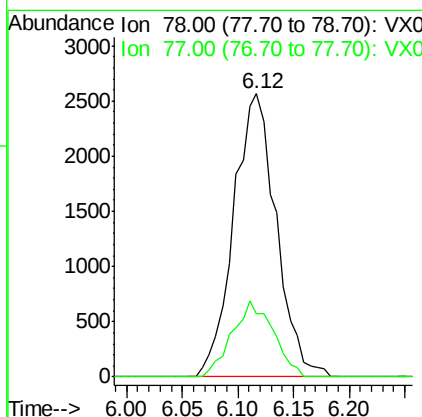
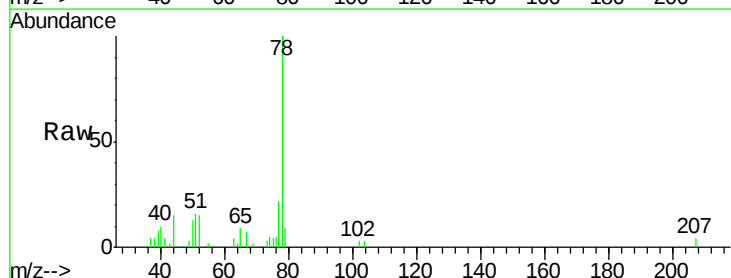
Manual Integrations
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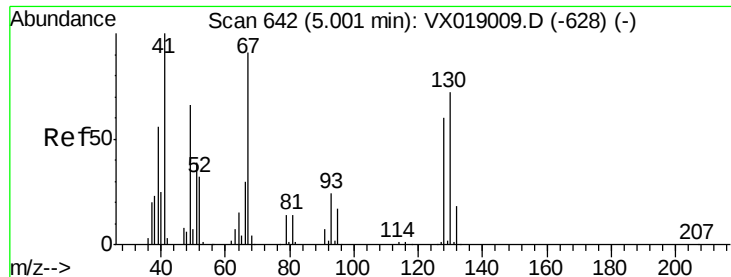
MMDadoda
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#40
Benzene
Concen: 0.645 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	6837		
77	22.4		19.3	28.9





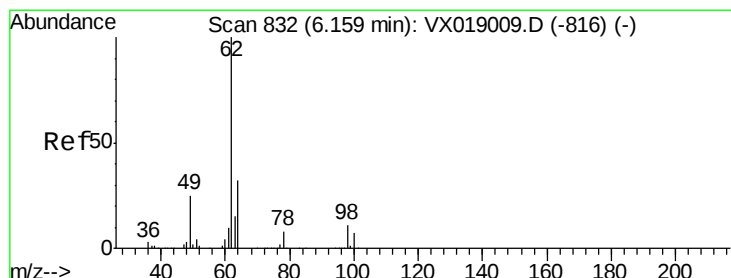
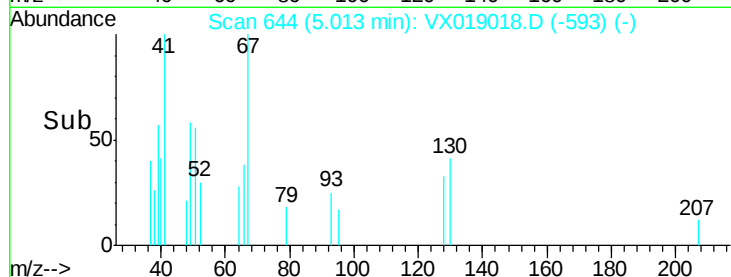
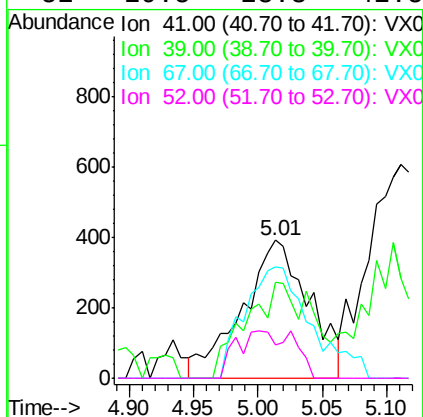
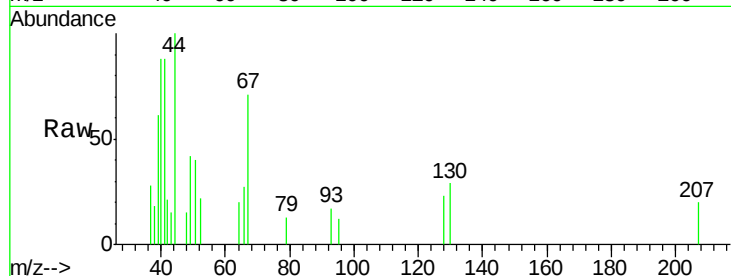
#41
Methacrylonitrile
Concen: 0.857 ug/l
RT: 5.01 min Scan# 644
Delta R.T. 0.01 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.6	44.6	67.0	
67	80.5	76.1	114.1	
52	29.5	28.3	42.5	

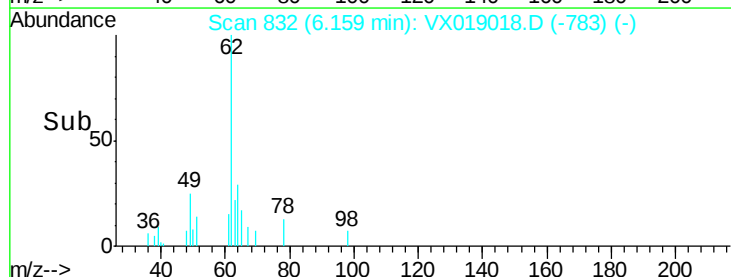
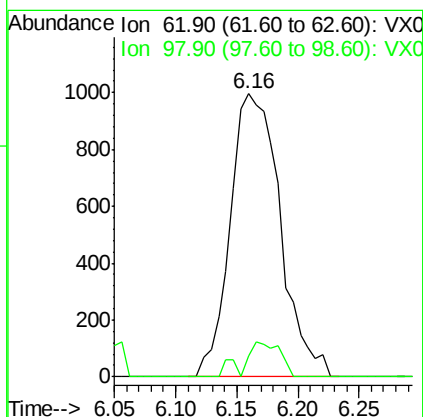
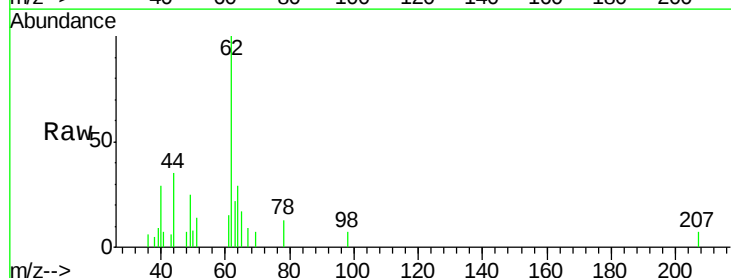
Manual Integrations
APPROVED

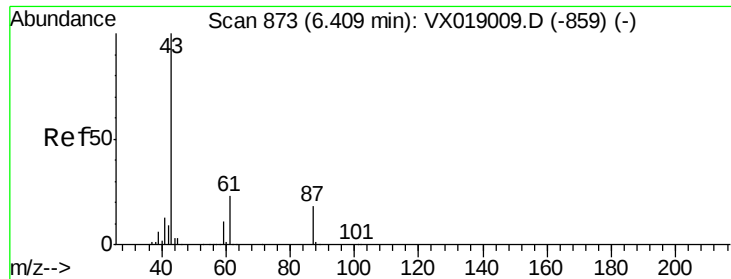
MMDadoda
10/23/2020 12:05:53 PM



#42
1,2-Dichloroethane
Concen: 0.782 ug/l
RT: 6.16 min Scan# 832
Delta R.T. 0.00 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.5	0.0	20.8	





#43

Isopropyl Acetate

Concen: 0.727 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.01 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Instrument :

MSVOA_X

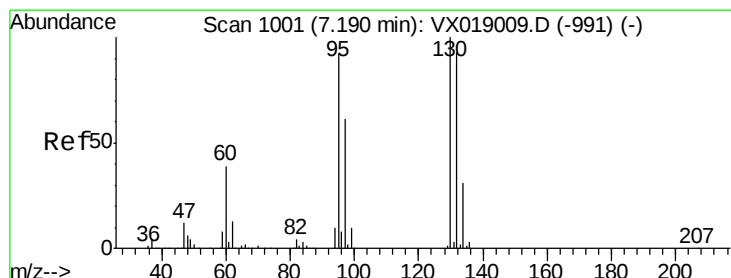
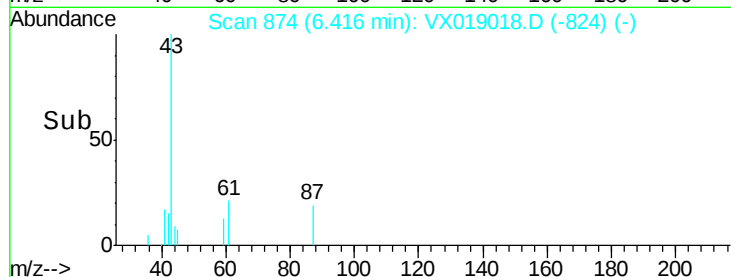
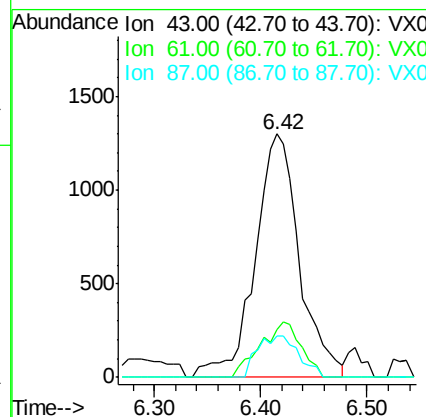
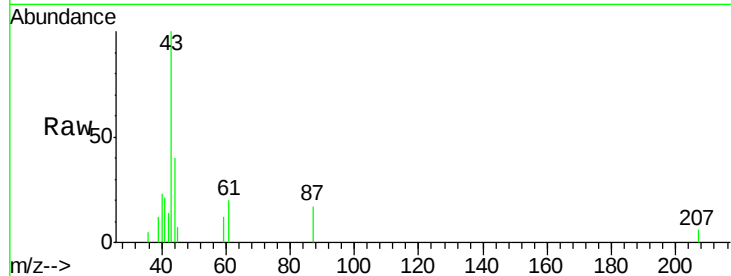
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	43	Resp:	3781
Ion	Ratio	Lower	Upper
43	100		
61	20.9	18.7	28.1
87	15.7	14.2	21.4

Manual Integrations
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MMDadoda
10/23/2020 12:05:53 PM



#44

Trichloroethene

Concen: 0.666 ug/l

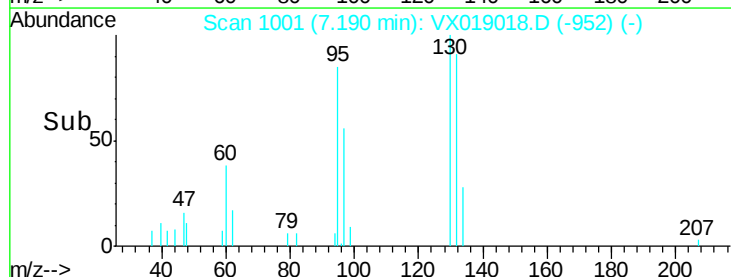
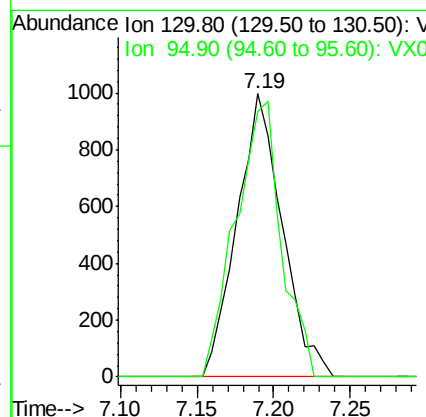
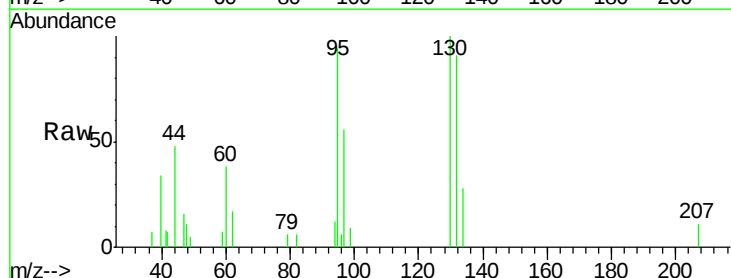
RT: 7.19 min Scan# 1001

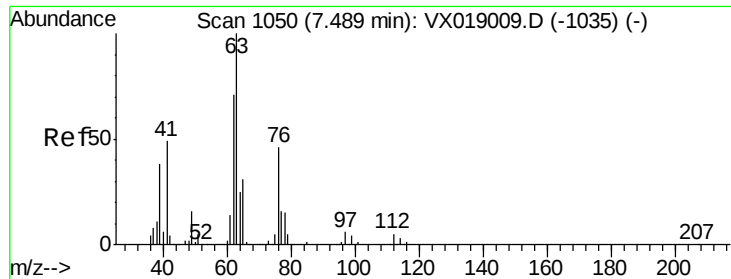
Delta R.T. 0.00 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Tgt Ion:	130	Resp:	2057
Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	184.2





#45

1,2-Dichloropropane

Concen: 0.638 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 63 Resp: 1620

Ion Ratio Lower Upper

63 100

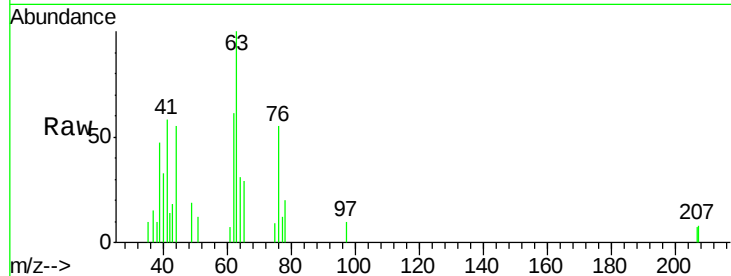
65 28.6 24.9 37.3

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.49

800

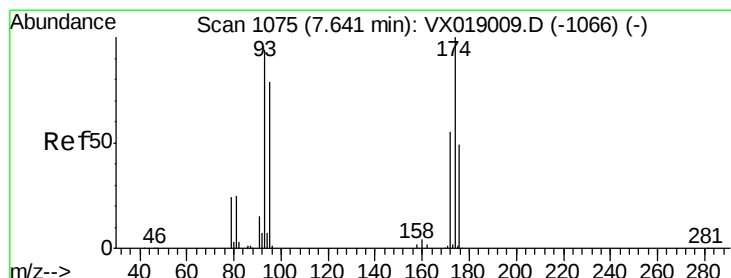
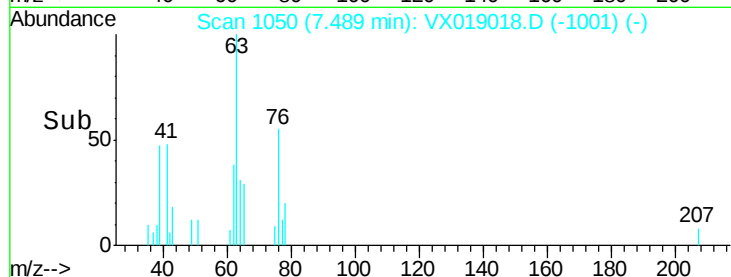
600

400

200

0

Time-->



#46

Dibromomethane

Concen: 0.619 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

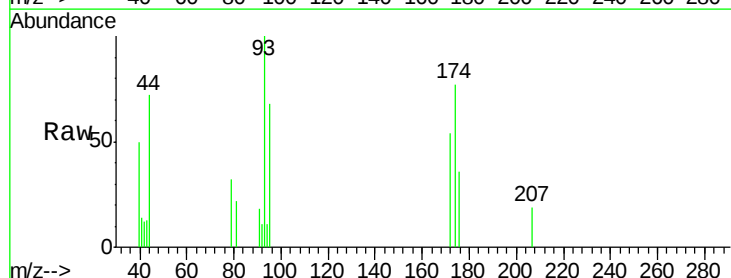
Tgt Ion: 93 Resp: 1198

Ion Ratio Lower Upper

93 100

95 94.2 66.8 100.2

174 103.8 83.8 125.8



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

800

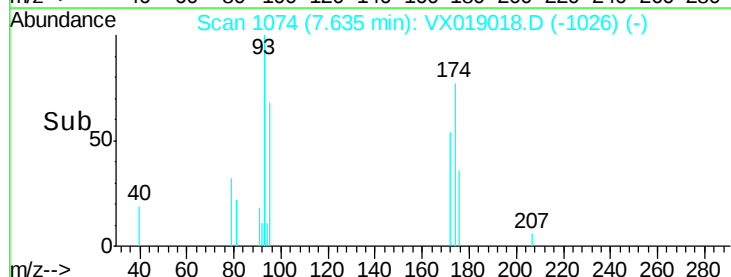
600

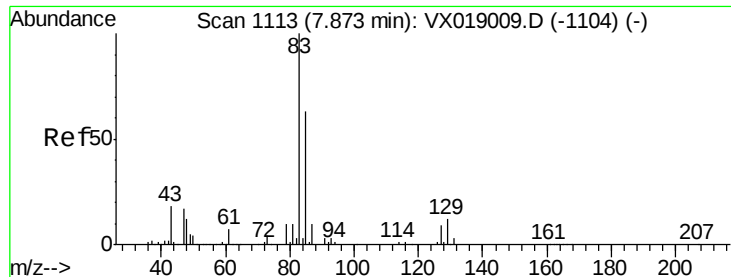
400

200

0

Time-->





#47

Bromodichloromethane

Concen: 0.623 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Instrument :

MSVOA_X

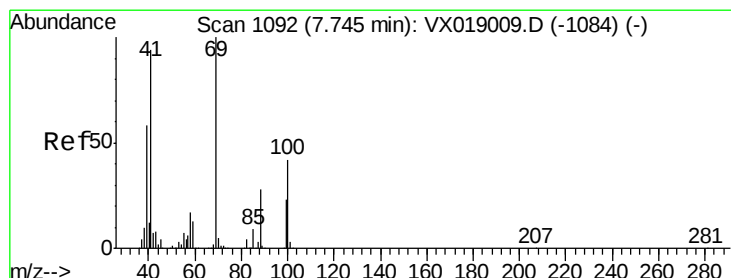
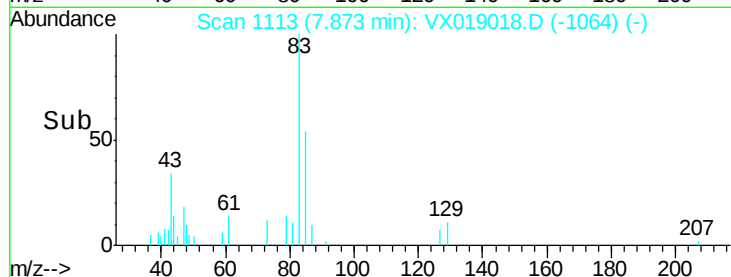
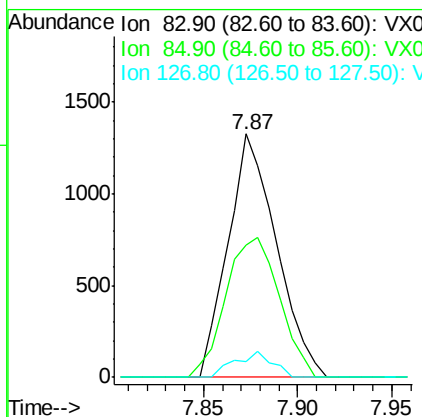
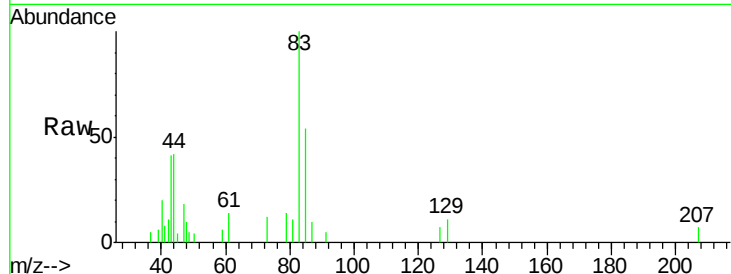
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	83	Resp:	2362
Ion	Ratio	Lower	Upper
83	100		
85	54.1	50.7	76.1
127	6.6	6.8	10.2#

Manual Integrations
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MMDadoda
10/23/2020 12:05:53 PM



#48

Methyl methacrylate

Concen: 0.730 ug/l

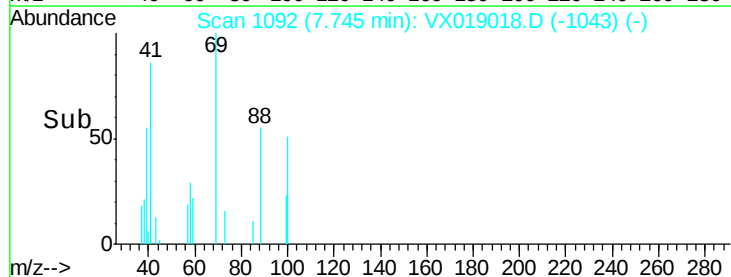
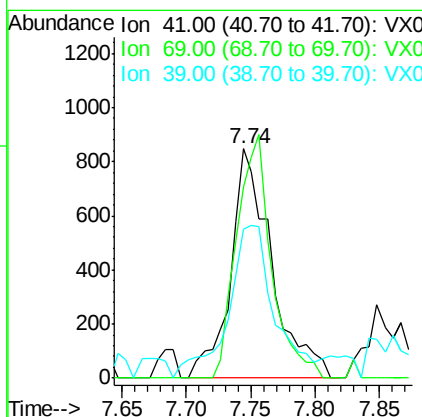
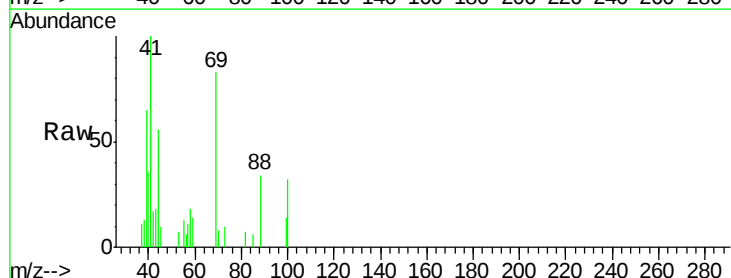
RT: 7.74 min Scan# 1092

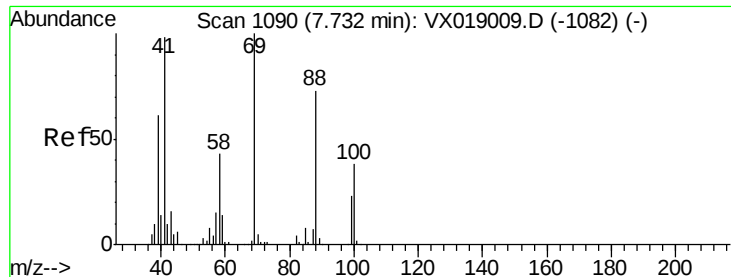
Delta R.T. 0.00 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Tgt Ion:	41	Resp:	1871
Ion	Ratio	Lower	Upper
41	100		
69	90.3	85.5	128.3
39	75.1	49.3	73.9#





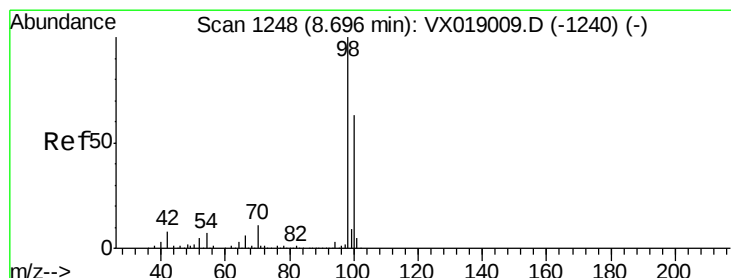
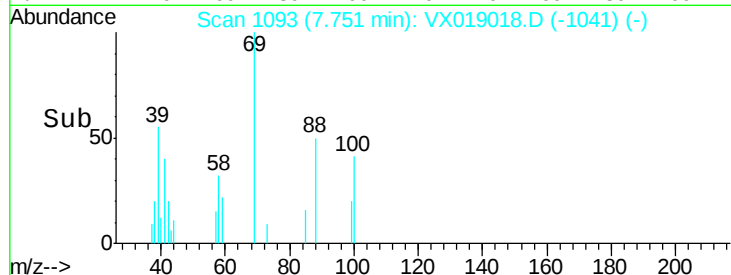
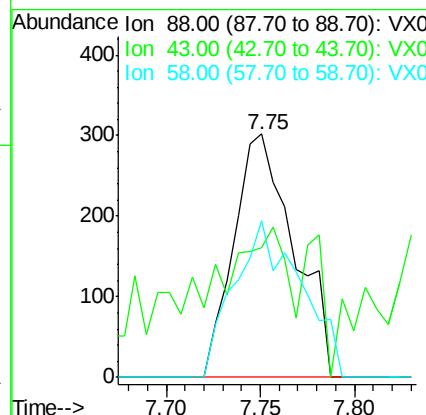
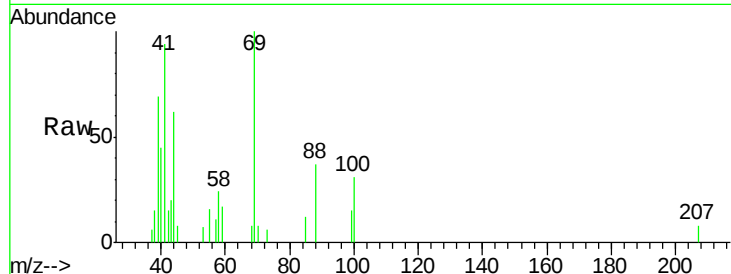
#49
1,4-Dioxane
Concen: 11.525 ug/l
RT: 7.75 min Scan# 1093
Delta R.T. 0.02 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.1	20.3	30.5#
58	71.1	48.4	72.6

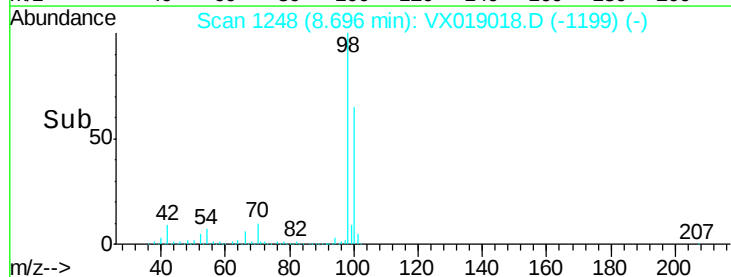
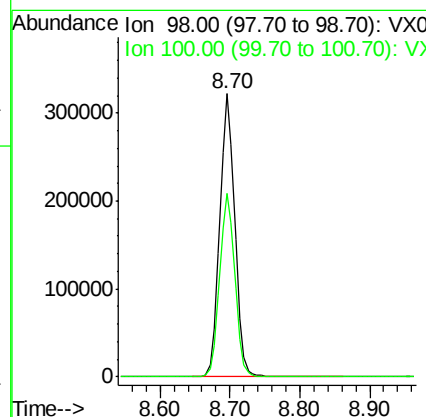
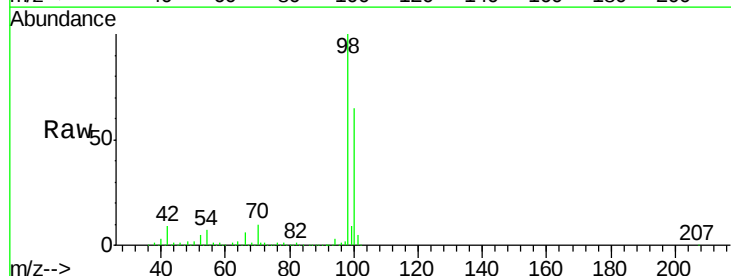
Manual Integrations
APPROVED

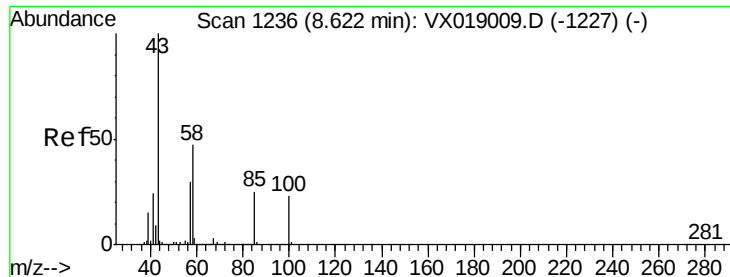
MMDadoda
10/23/2020 12:05:53 PM



#50
Toluene-d8
Concen: 49.828 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.1	78.1





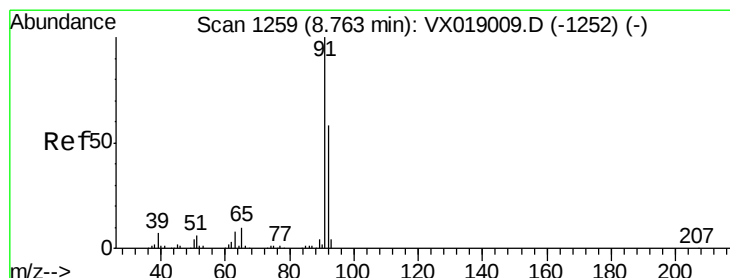
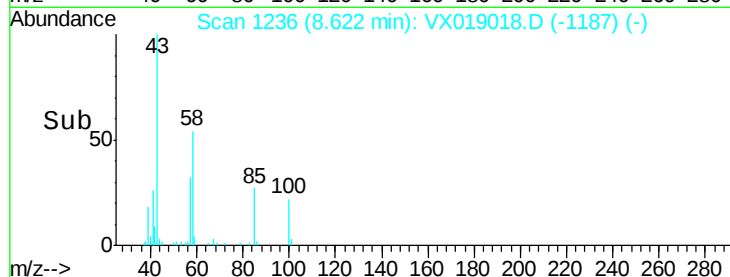
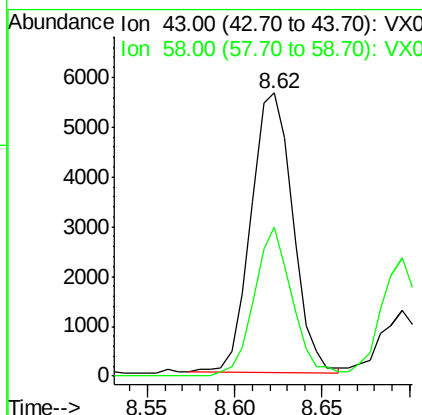
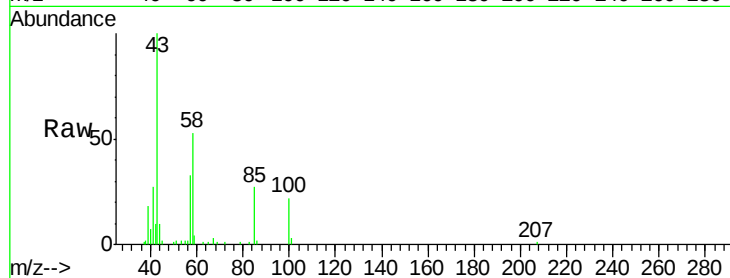
#51
 4-Methyl-2-Pentanone
 Concen: 3.040 ug/l
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VX019018.D
 Acq: 22 Oct 2020 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 9313
 Ion Ratio Lower Upper
 43 100
 58 48.6 37.4 56.0

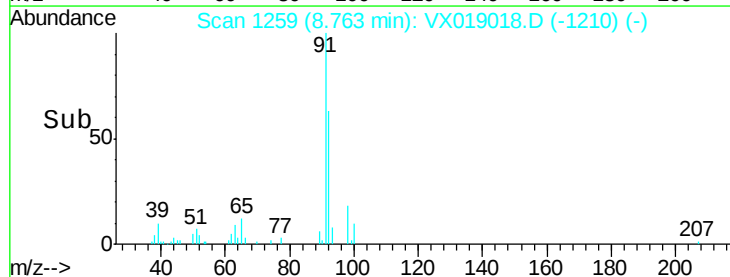
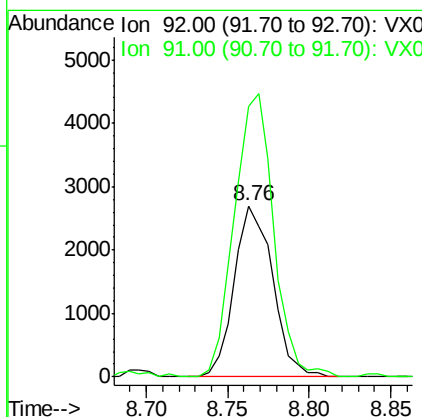
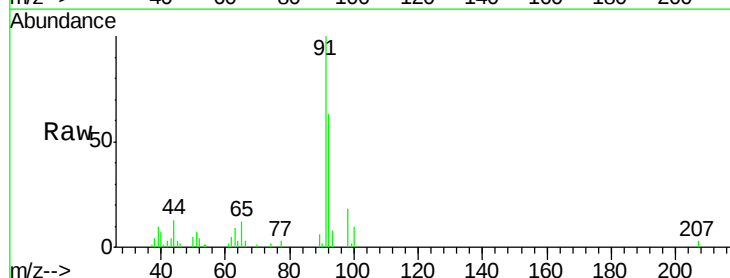
Manual Integrations
 APPROVED

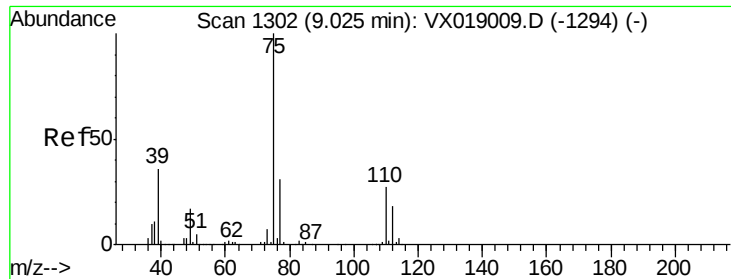
MMDadoda
 10/23/2020 12:05:53 PM



#52
 Toluene
 Concen: 0.633 ug/l
 RT: 8.76 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VX019018.D
 Acq: 22 Oct 2020 11:53

Tgt Ion: 92 Resp: 4427
 Ion Ratio Lower Upper
 92 100
 91 169.5 138.6 208.0





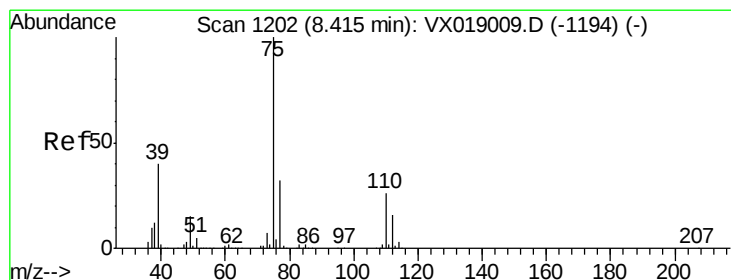
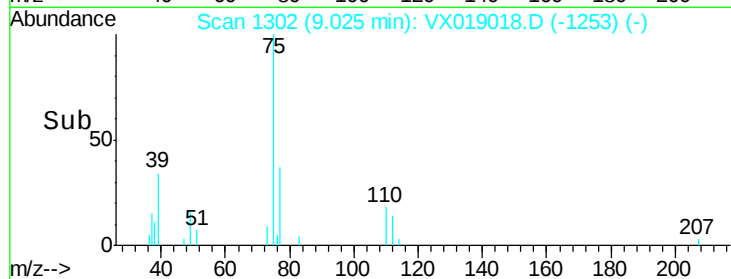
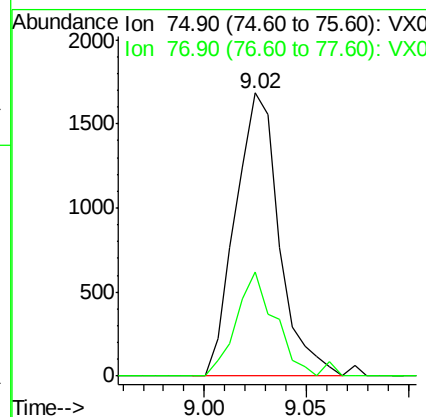
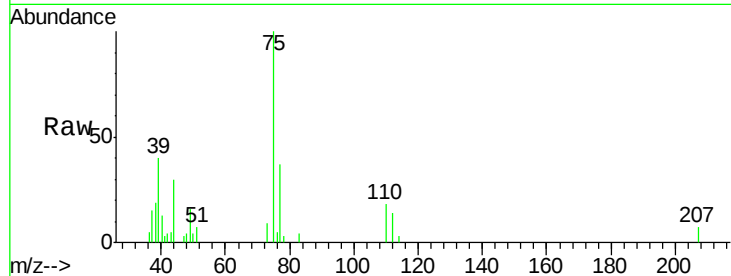
#53
t-1,3-Dichloropropene
Concen: 0.587 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
75	100		
77	36.7	25.1	37.7

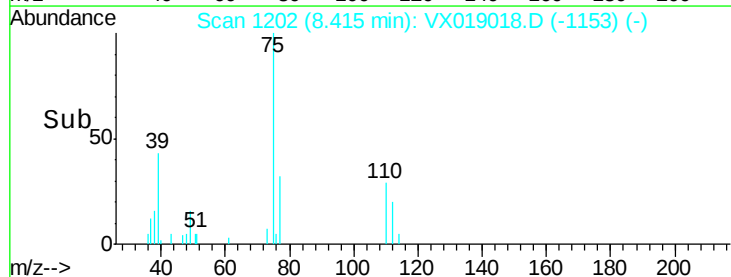
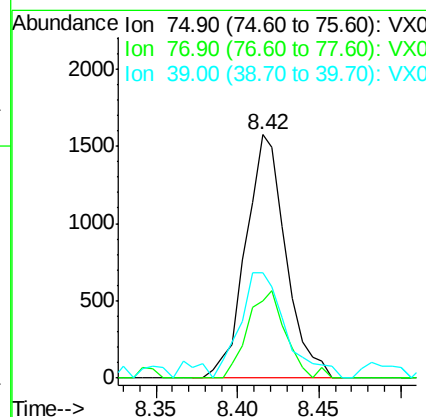
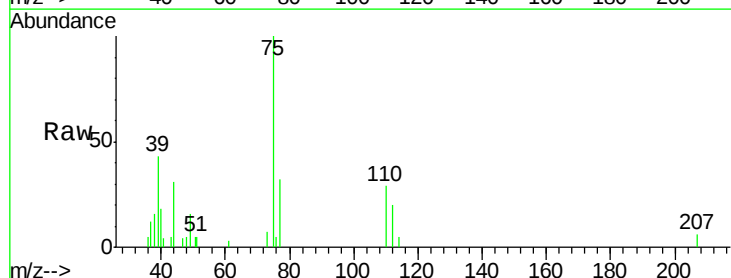
Manual Integrations
APPROVED

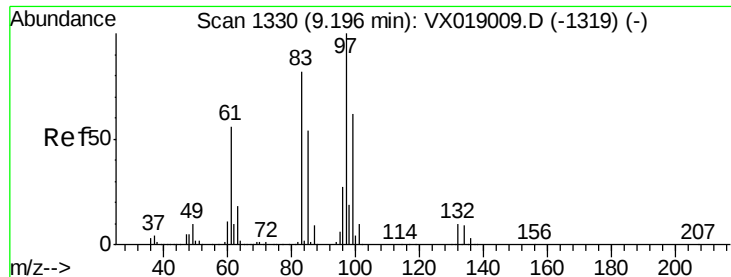
MMDadoda
10/23/2020 12:05:53 PM



#54
cis-1,3-Dichloropropene
Concen: 0.596 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.9	38.9
39	43.5	31.7	47.5





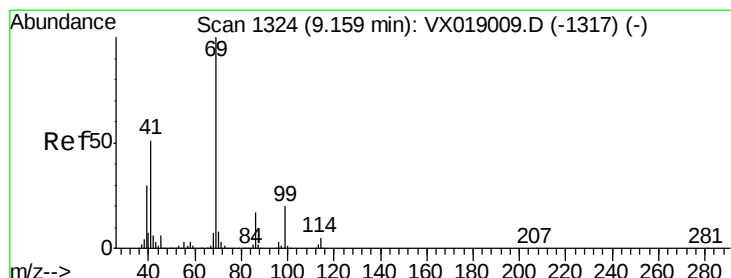
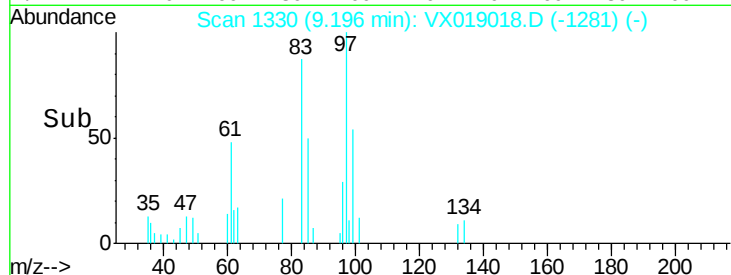
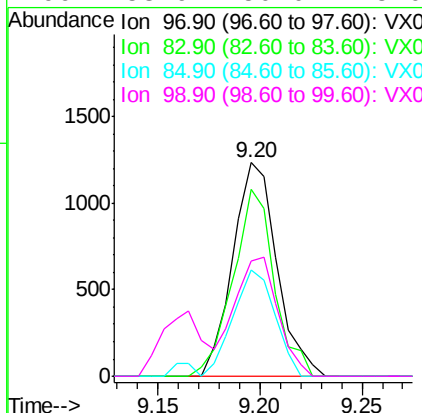
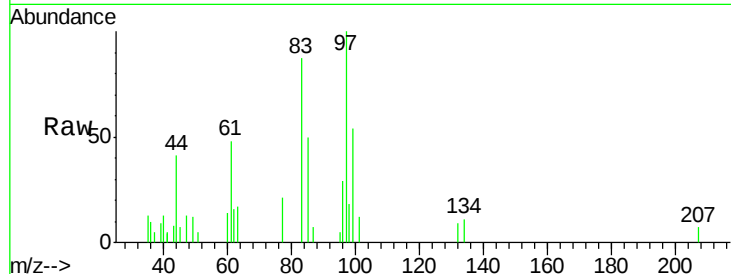
#55
 1,1,2-Trichloroethane
 Concen: 0.649 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX019018.D
 Acq: 22 Oct 2020 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
97	100	1850		
83	87.4	65.4	98.2	
85	49.7	43.3	64.9	
99	53.9	50.0	75.0	

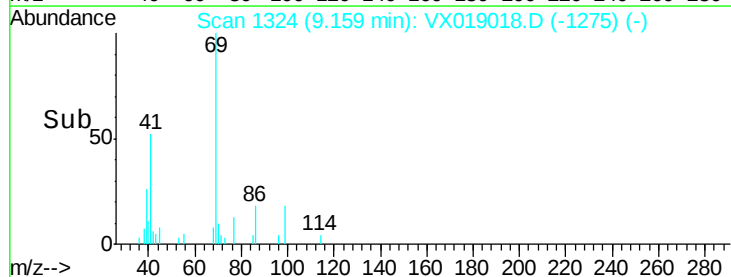
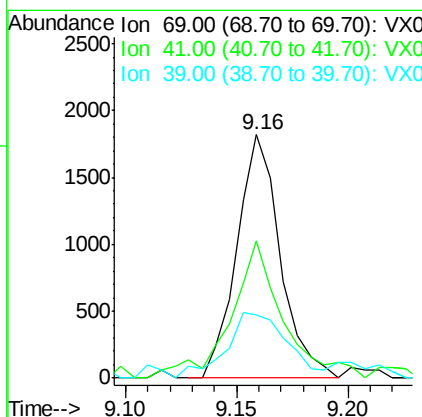
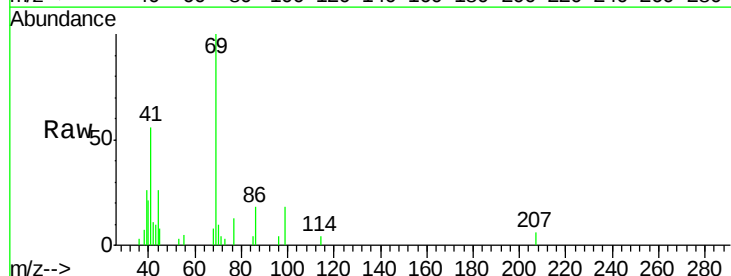
Manual Integrations
 APPROVED

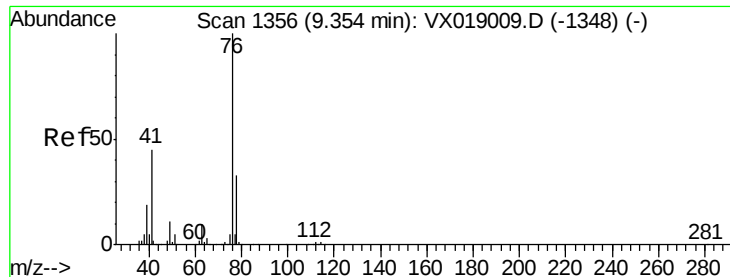
MMDadoda
 10/23/2020 12:05:53 PM



#56
 Ethyl methacrylate
 Concen: 0.602 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX019018.D
 Acq: 22 Oct 2020 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	2471		
41	67.3	41.1	61.7#	
39	37.8	24.6	37.0#	





#57

1,3-Dichloropropane

Concen: 0.675 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 76 Resp: 3056

Ion Ratio Lower Upper

76 100

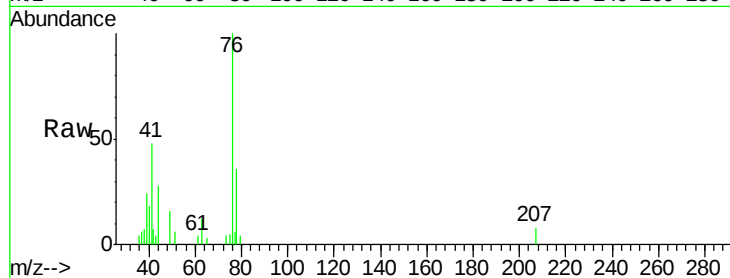
78 34.0 26.2 39.4

Manual Integrations

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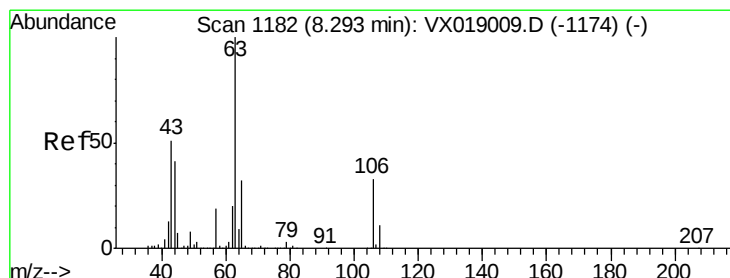
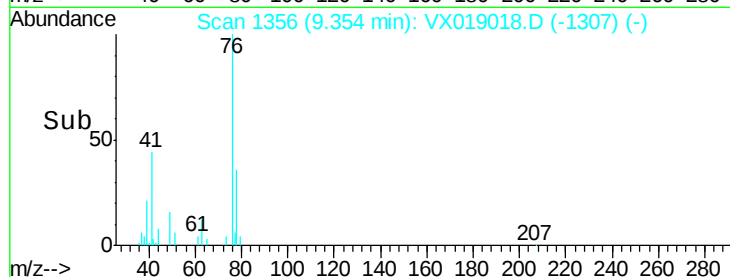
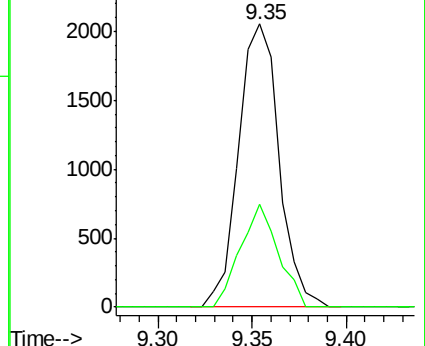
MMDadoda

10/23/2020 12:05:53 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 2.850 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX019018.D

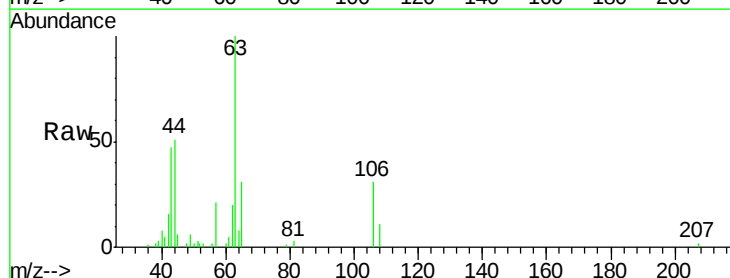
Acq: 22 Oct 2020 11:53

Tgt Ion: 63 Resp: 6143

Ion Ratio Lower Upper

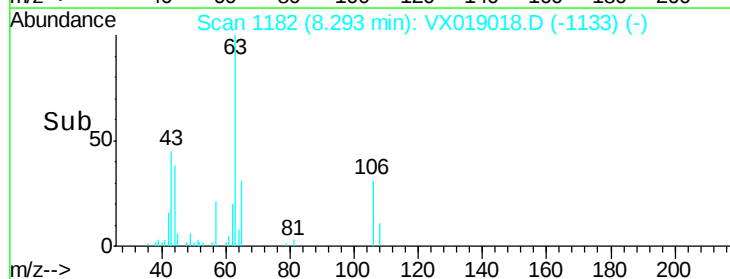
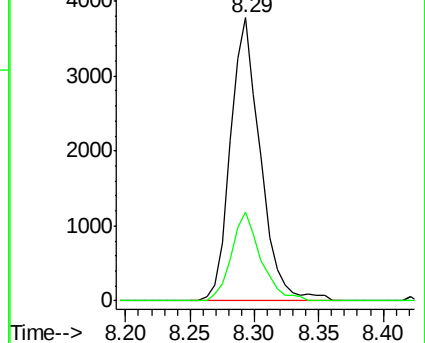
63 100

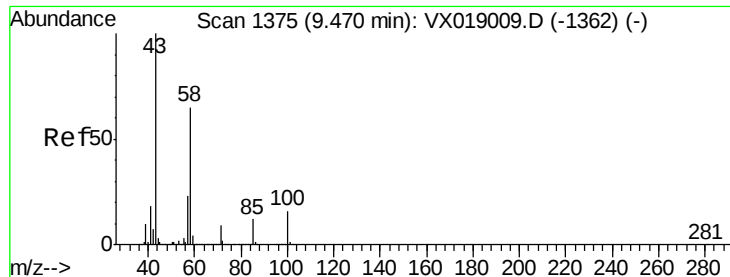
106 30.7 26.0 39.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





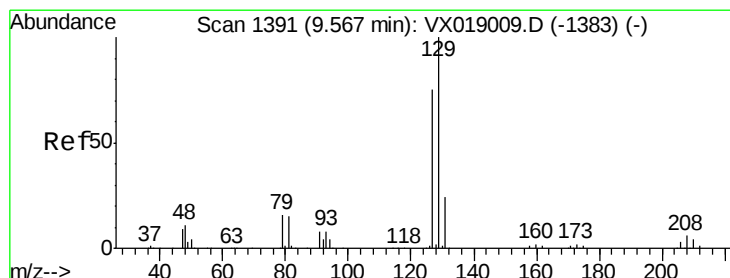
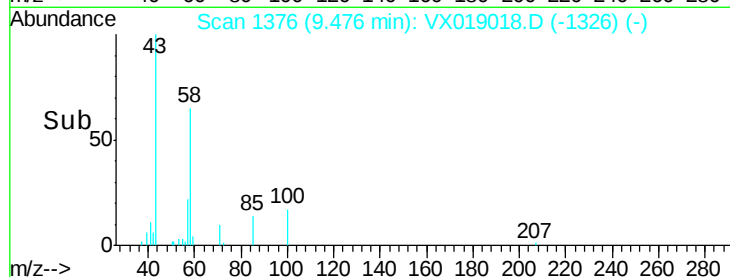
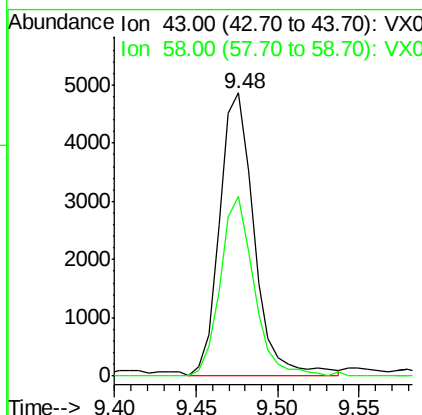
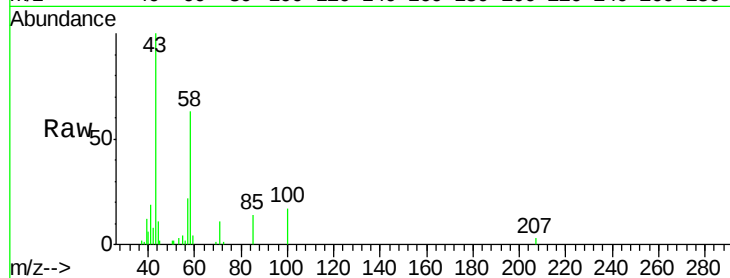
#59
2-Hexanone
Concen: 3.171 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 7238
Ion Ratio Lower Upper
43 100
58 61.6 32.8 98.4

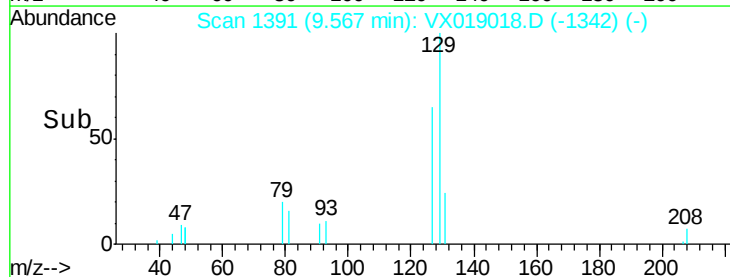
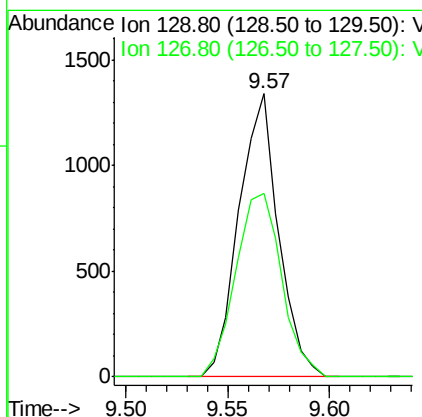
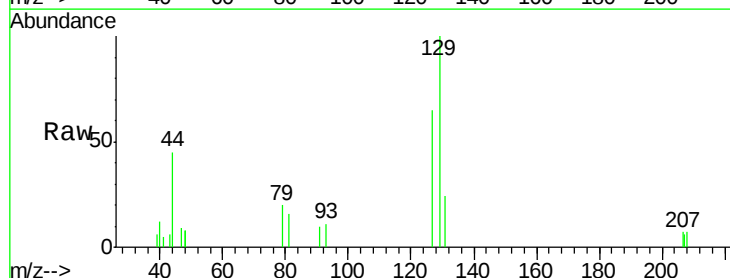
Manual Integrations
APPROVED

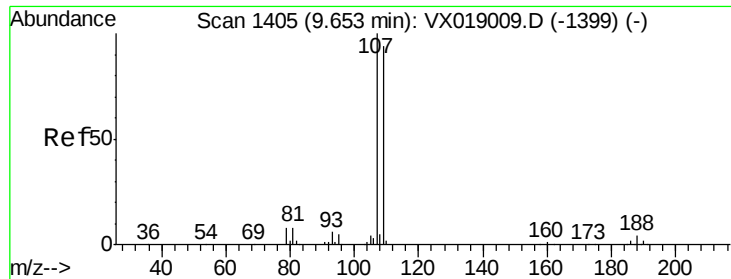
MMDadoda
10/23/2020 12:05:53 PM



#60
Dibromochloromethane
Concen: 0.580 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Tgt Ion: 129 Resp: 1802
Ion Ratio Lower Upper
129 100
127 75.3 38.6 115.7





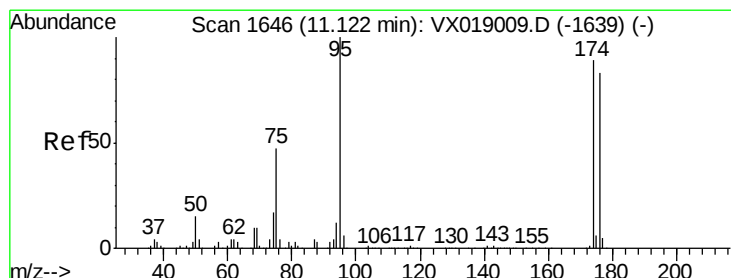
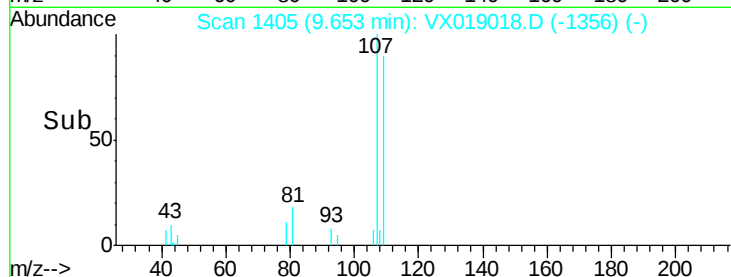
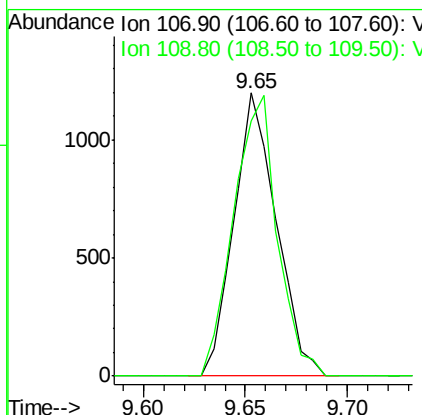
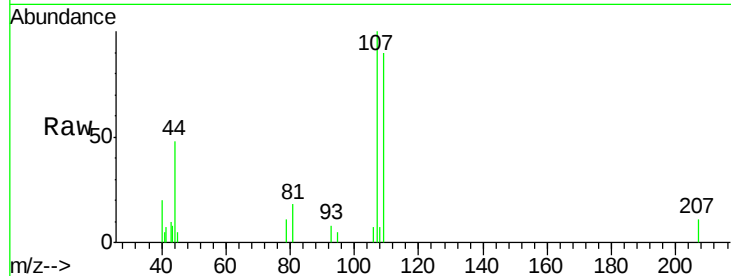
#61
 1,2-Dibromoethane
 Concen: 0.568 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX019018.D
 Acq: 22 Oct 2020 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
107	100		
109	102.0	75.0	112.6

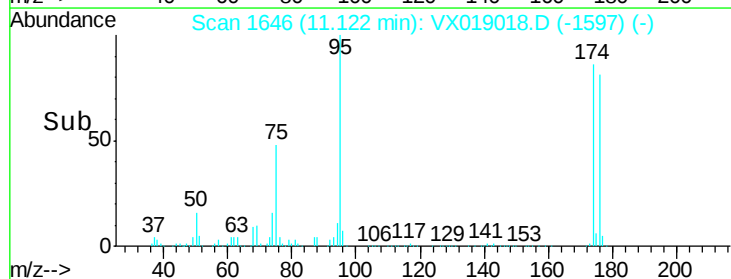
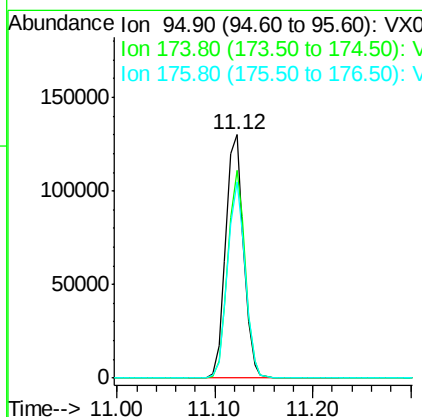
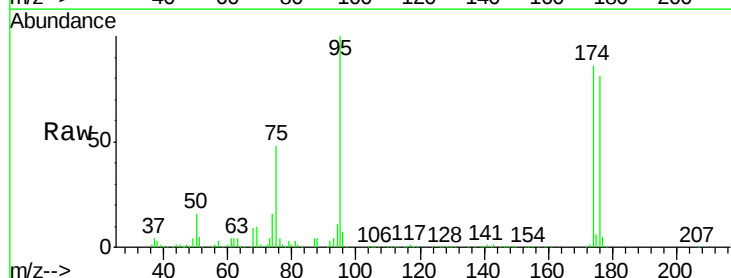
Manual Integrations
 APPROVED

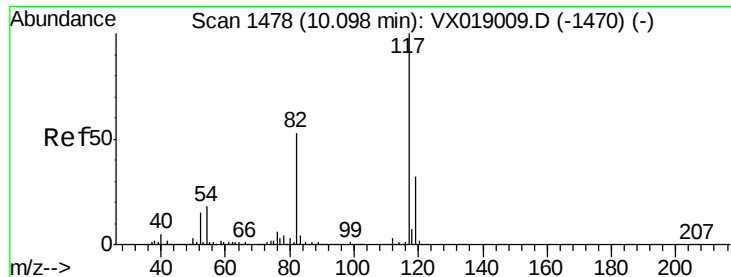
MMDadoda
 10/23/2020 12:05:53 PM



#62
 4-Bromofluorobenzene
 Concen: 48.111 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX019018.D
 Acq: 22 Oct 2020 11:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	167.6
176	79.6	0.0	165.2





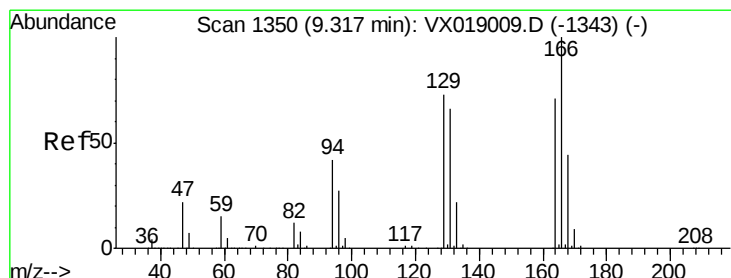
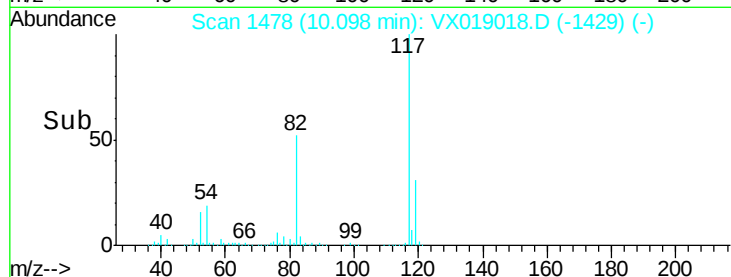
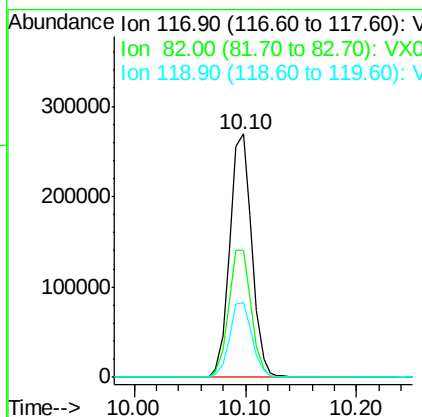
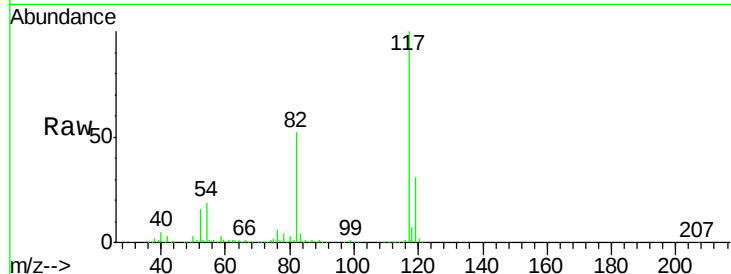
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	368405		
82	52.4		42.4	63.6
119	30.7		25.6	38.4

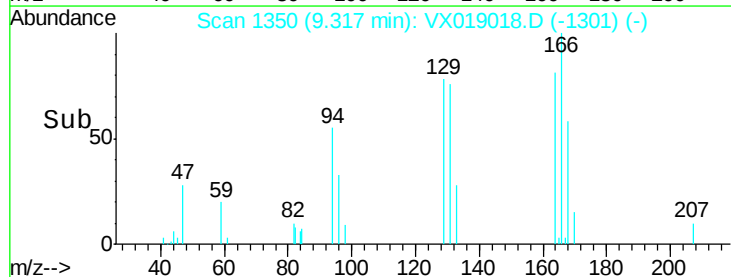
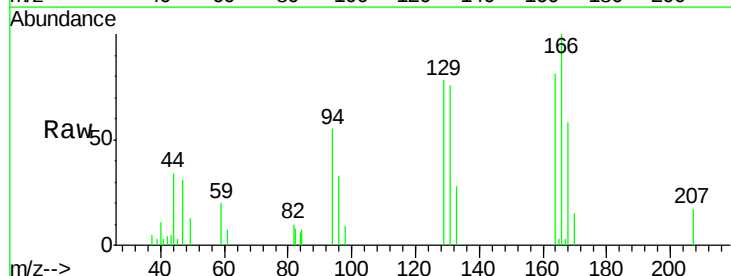
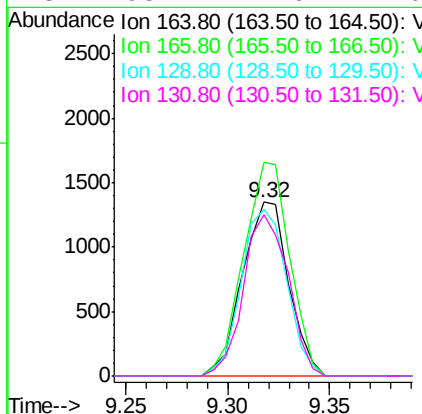
Manual Integrations
APPROVED

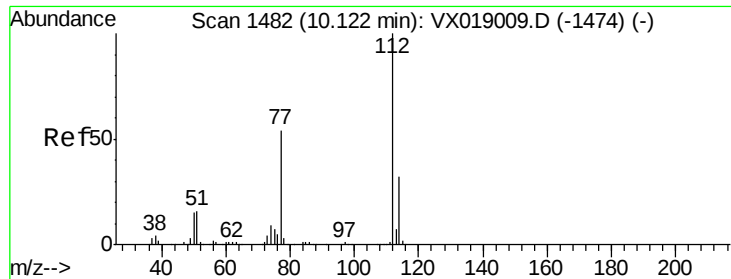
MMDadoda
10/23/2020 12:05:53 PM



#64
Tetrachloroethene
Concen: 0.757 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	2124		
166	123.1		112.2	168.4
129	95.8		81.8	122.8
131	93.1		74.6	112.0





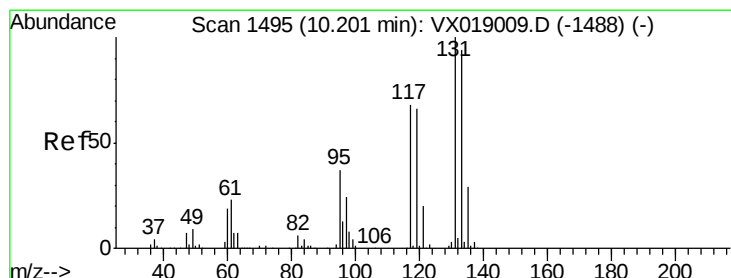
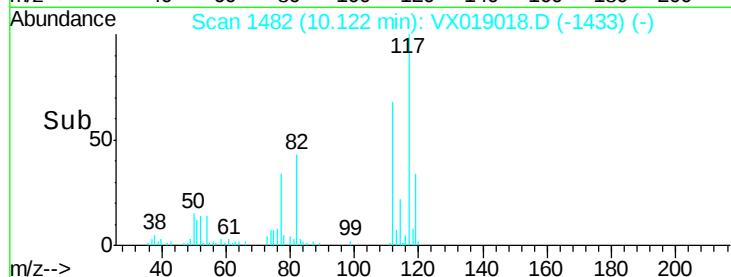
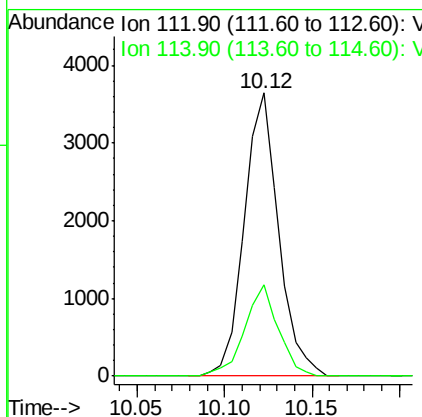
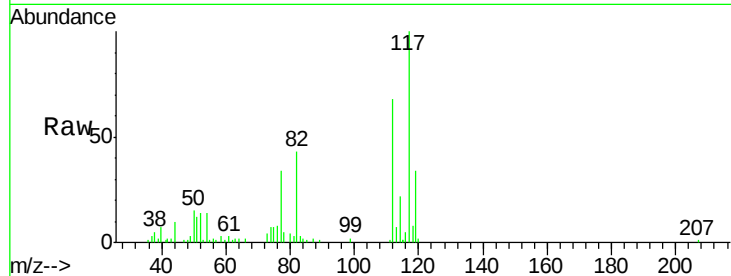
#65
Chlorobenzene
Concen: 0.643 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion:112 Resp: 4972
Ion Ratio Lower Upper
112 100
114 32.1 25.5 38.3

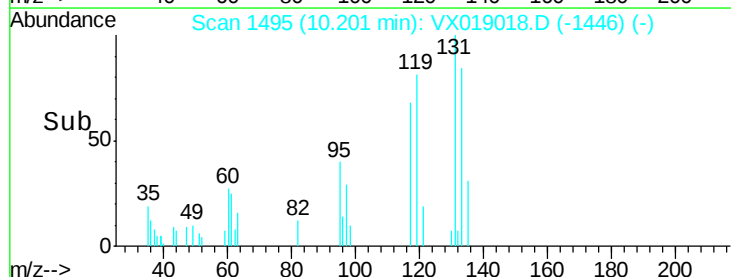
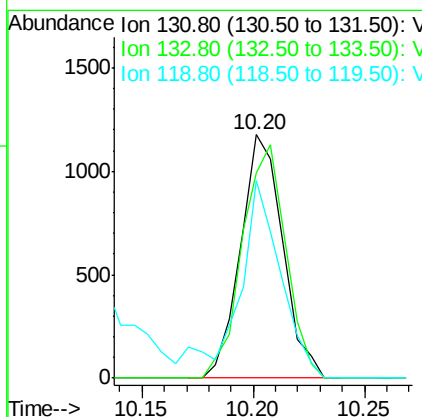
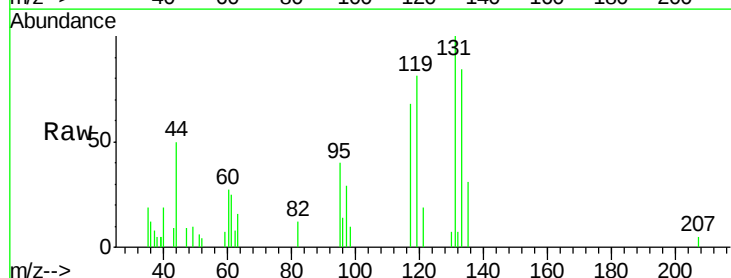
Manual Integrations
APPROVED

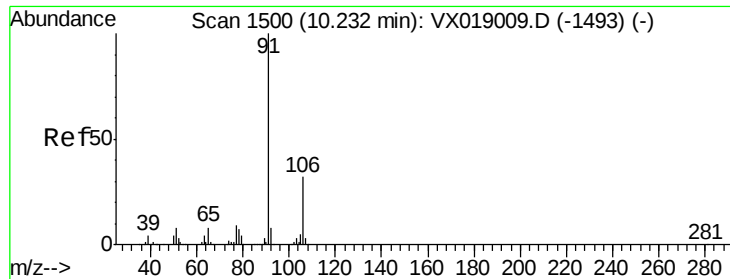
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 0.566 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Tgt Ion:131 Resp: 1554
Ion Ratio Lower Upper
131 100
133 99.2 47.0 141.2
119 0.0 32.9 98.7#





#67

Ethyl Benzene

Concen: 0.616 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 91 Resp: 8209

Ion Ratio Lower Upper

91 100

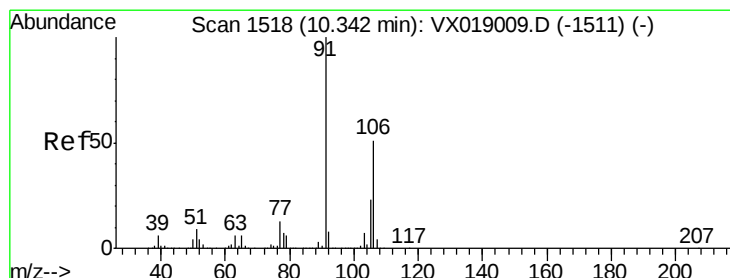
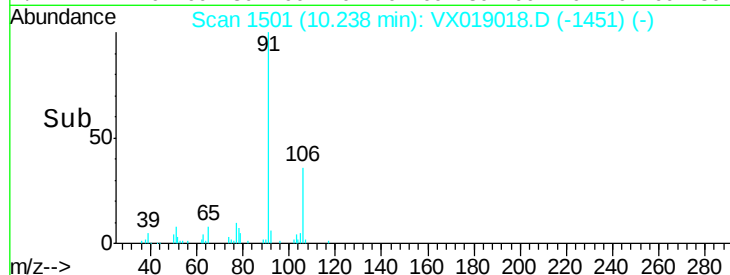
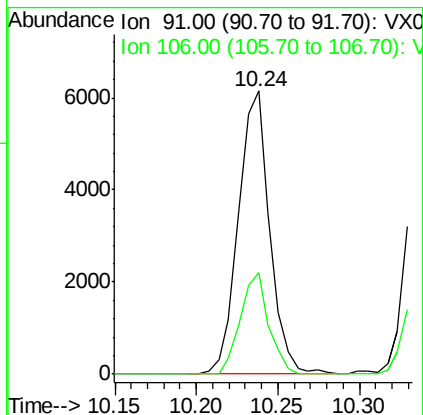
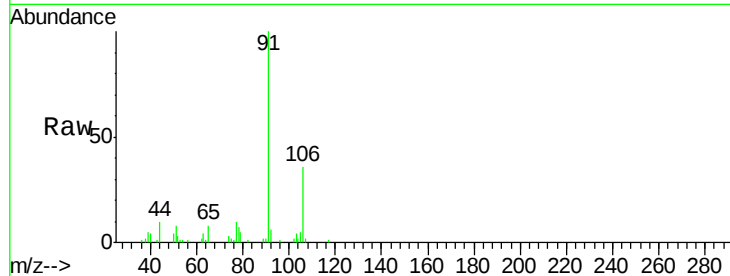
106 35.8 25.3 37.9

Manual Integrations

APPROVED

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#68

m/p-Xylenes

Concen: 1.224 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX019018.D

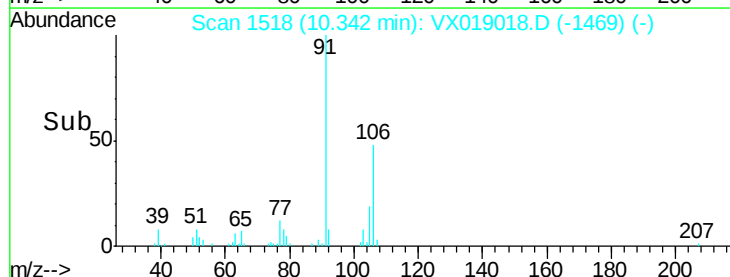
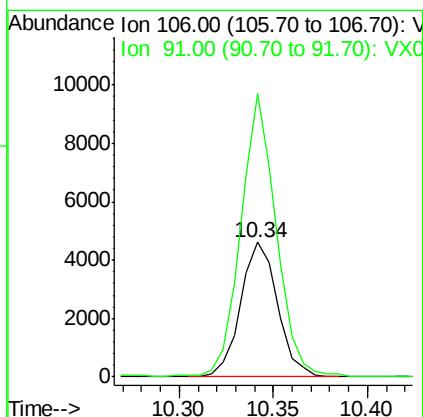
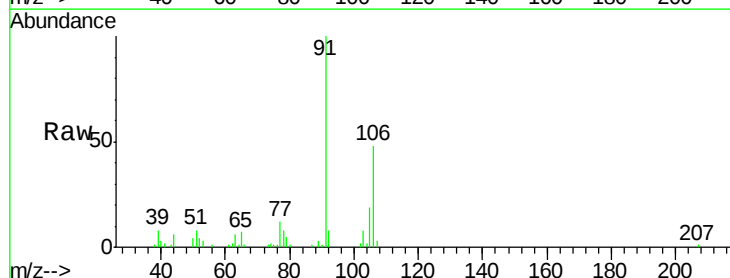
Acq: 22 Oct 2020 11:53

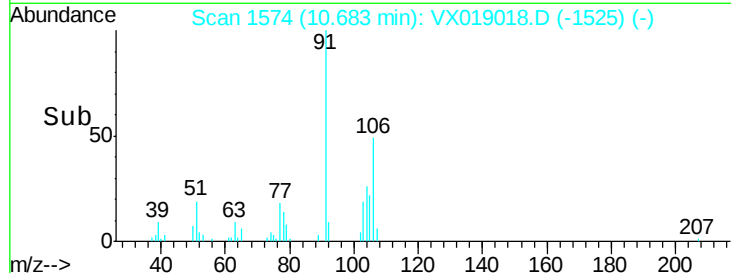
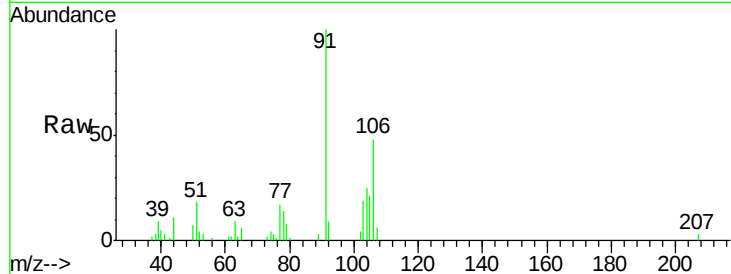
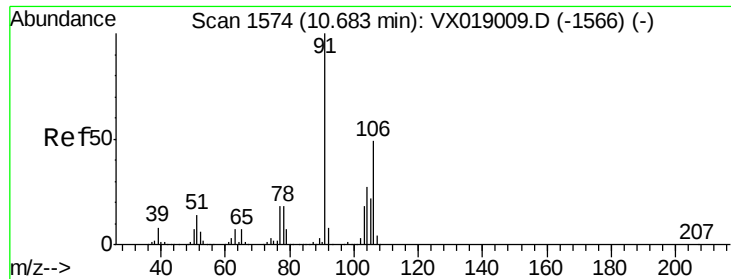
Tgt Ion: 106 Resp: 6245

Ion Ratio Lower Upper

106 100

91 201.8 156.9 235.3





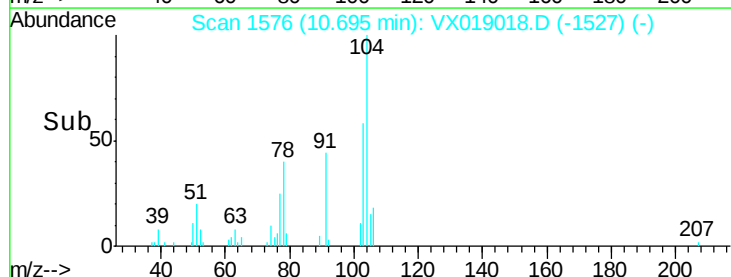
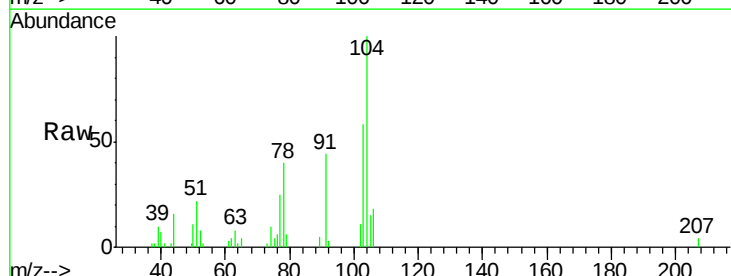
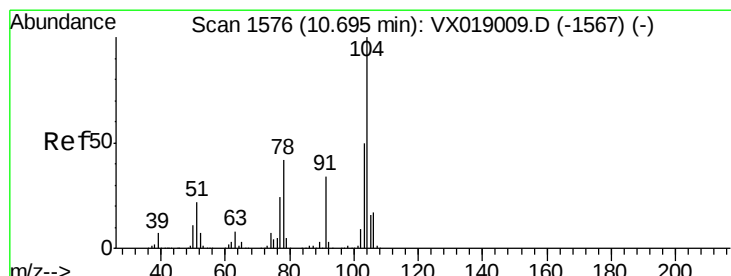
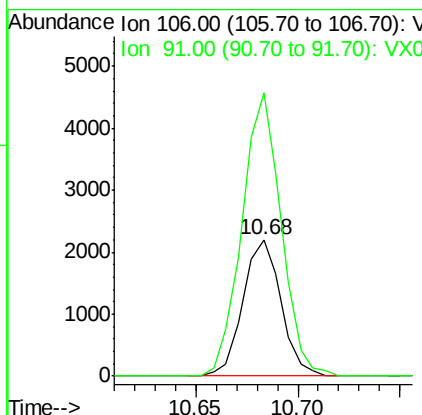
#69
o-Xylene
Concen: 0.584 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.6	104.0	312.0

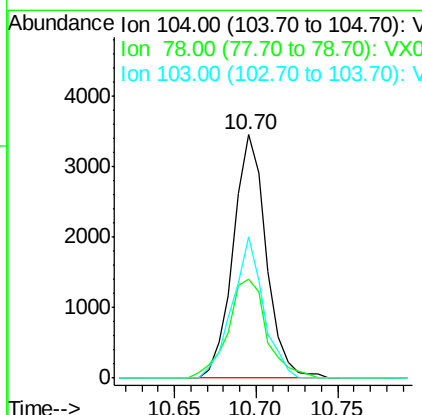
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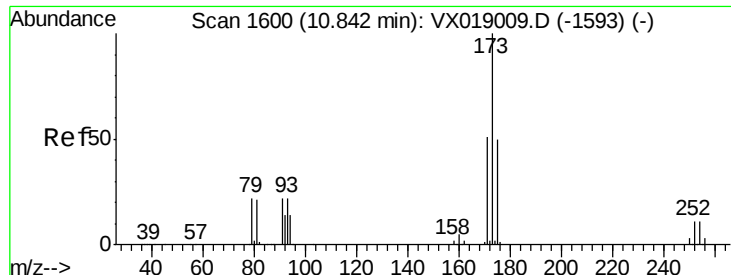
MMDadoda
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#70
Styrene
Concen: 0.587 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.5	37.7	56.5
103	54.6	43.5	65.3





#71

Bromoform

Concen: 0.531 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Instrument :

MSVOA_X

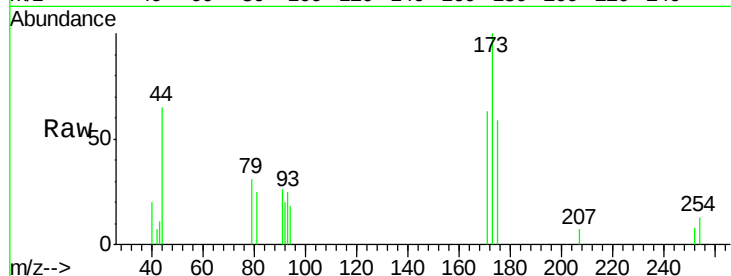
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

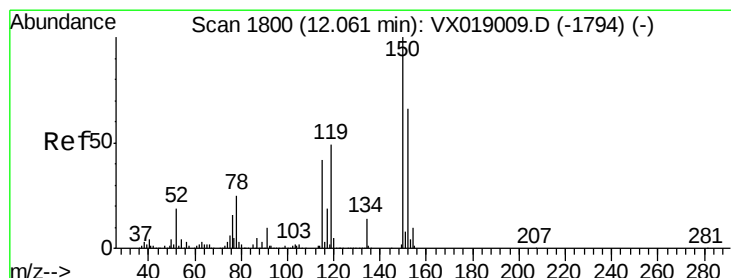
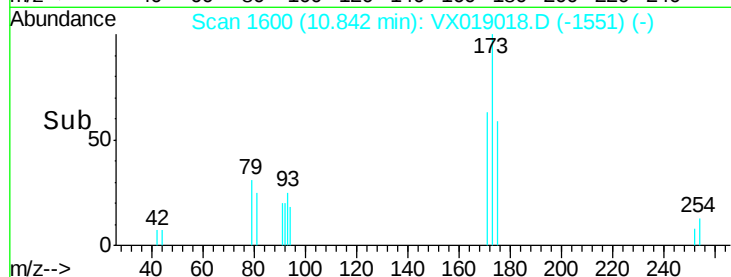
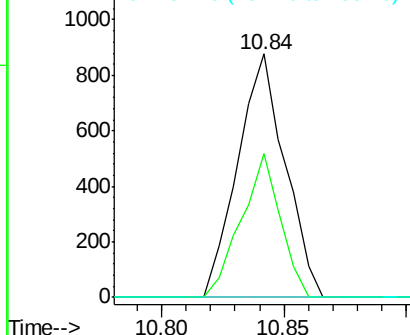
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.1	72.4
254	0.0	0.1	0.1#

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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

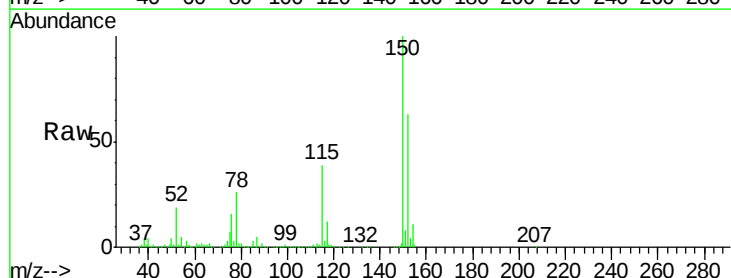
RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

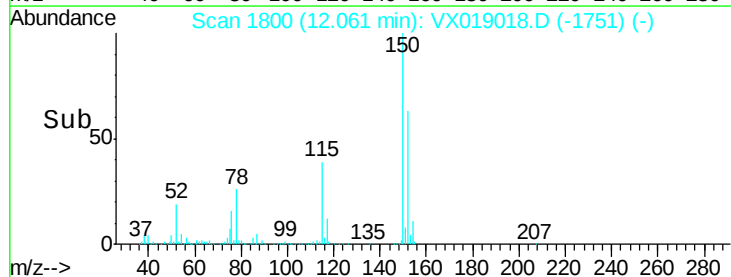
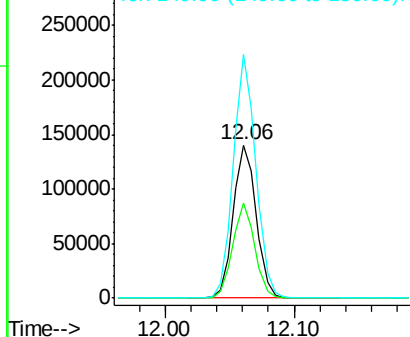
Lab File: VX019018.D

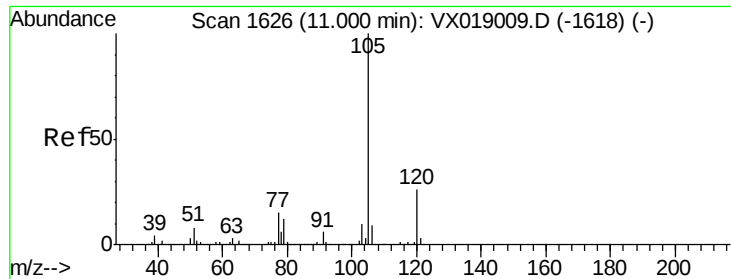
Acq: 22 Oct 2020 11:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	40.8	122.5
150	154.9	0.0	345.6



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





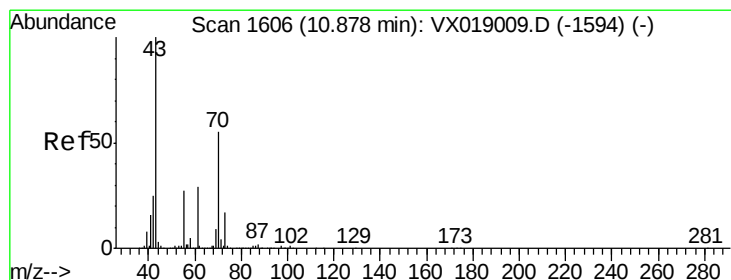
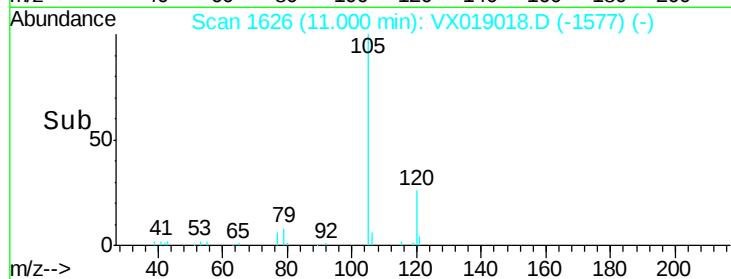
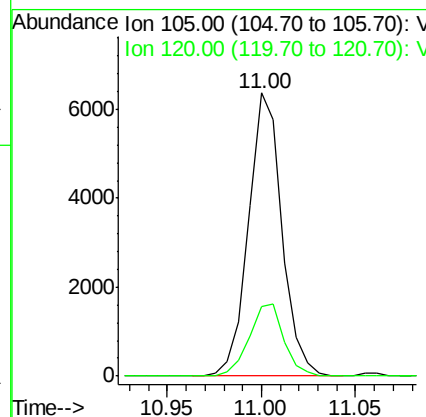
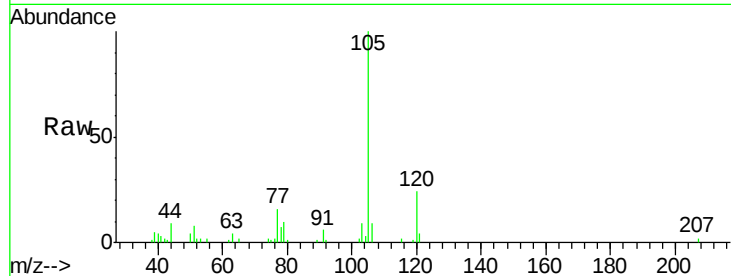
#73
Isopropylbenzene
Concen: 0.620 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.4	40.1

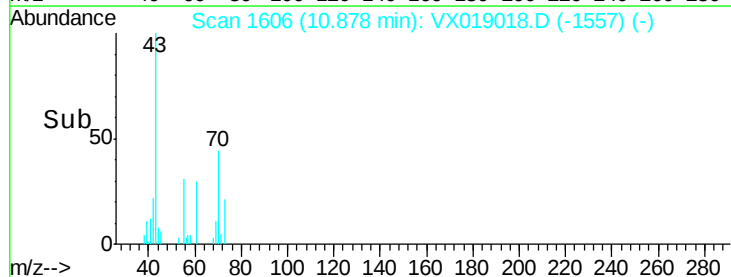
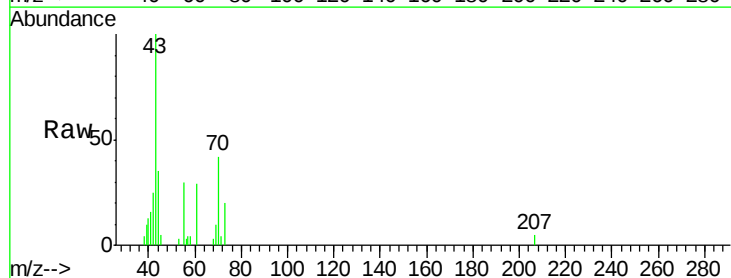
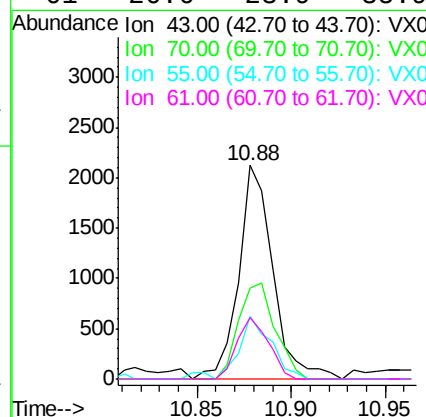
Manual Integrations
APPROVED

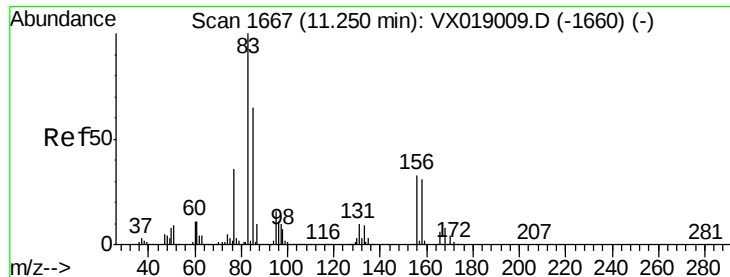
MMDadoda
10/23/2020 12:05:53 PM



#74
N-ethyl acetate
Concen: 0.662 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.8	44.5	66.7
55	28.8	21.9	32.9
61	26.6	23.9	35.9





#75

1,1,2,2-Tetrachloroethane

Concen: 0.651 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.01 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Instrument :

MSVOA_X

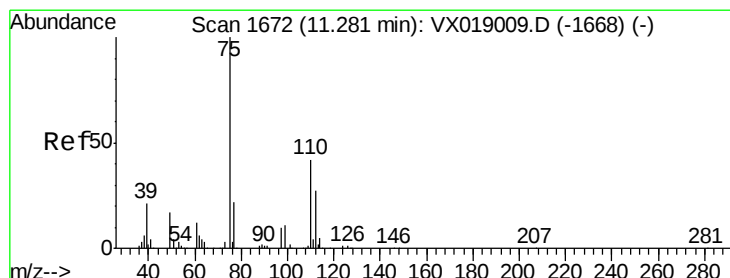
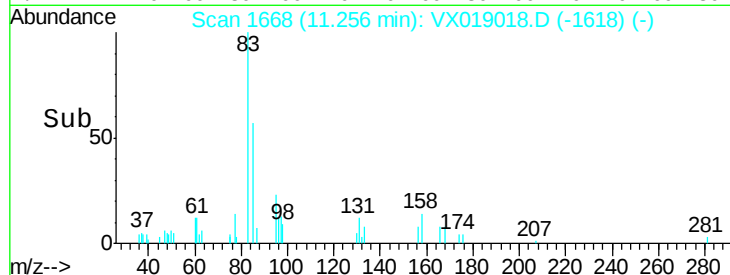
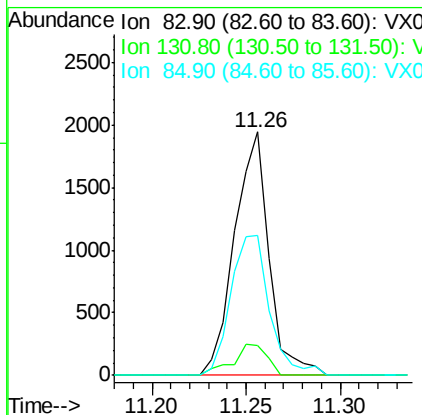
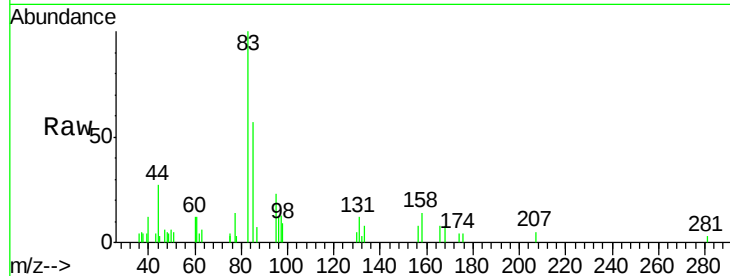
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	83	Resp:	2473
Ion Ratio	Lower	Upper	
83	100		
131	12.5	5.1	15.4
85	64.6	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 0.667 ug/l m

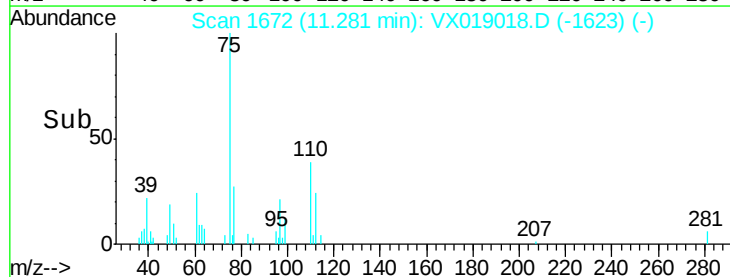
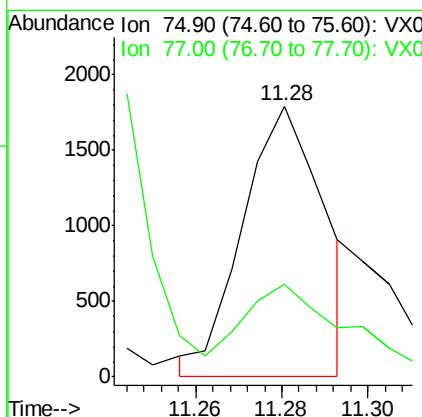
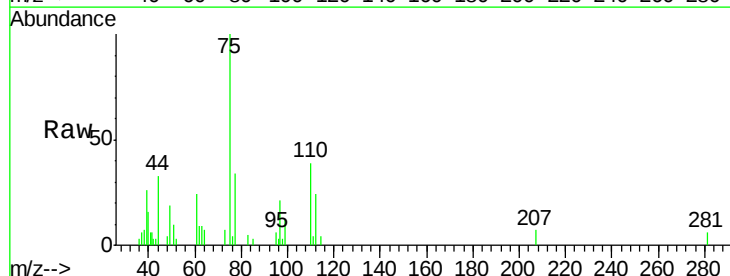
RT: 11.28 min Scan# 1672

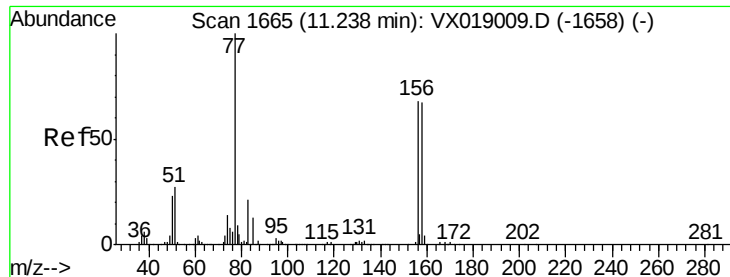
Delta R.T. 0.00 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Tgt Ion:	75	Resp:	2338
Ion Ratio	Lower	Upper	
75	100		
77	44.2	20.7	62.1





#77

Bromobenzene

Concen: 0.684 ug/l

RT: 11.24 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Instrument :

MSVOA_X

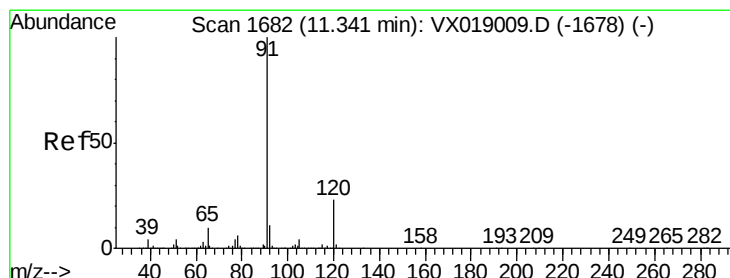
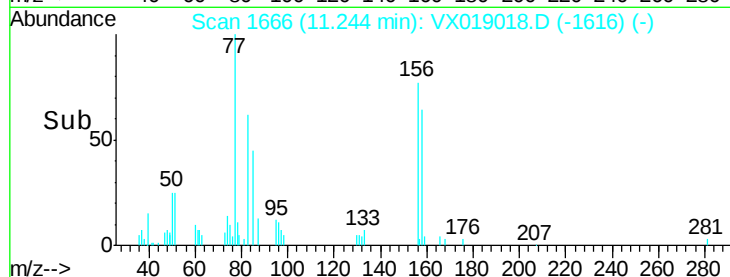
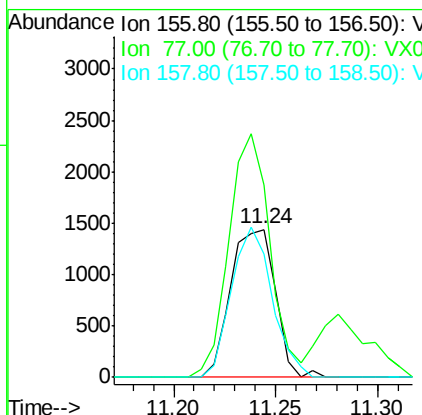
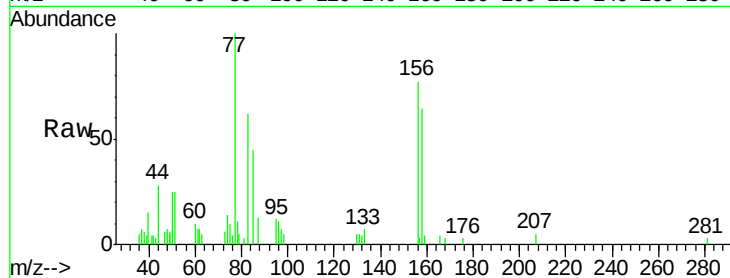
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	156	Resp:	2178
Ion	Ratio	Lower	Upper
156	100		
77	151.5	74.4	223.1
158	92.4	48.8	146.3

Manual Integrations
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#78

n-propylbenzene

Concen: 0.652 ug/l

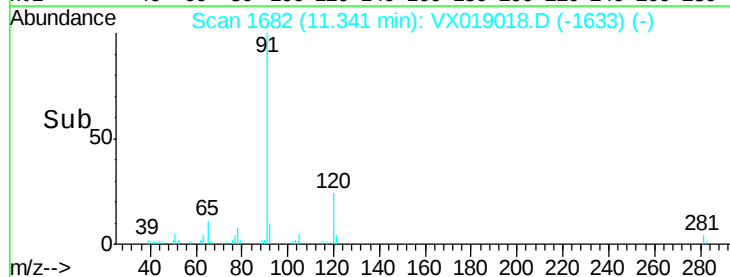
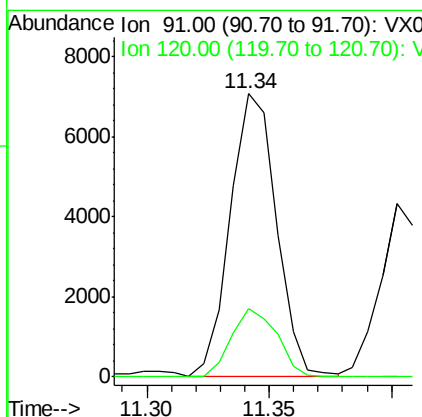
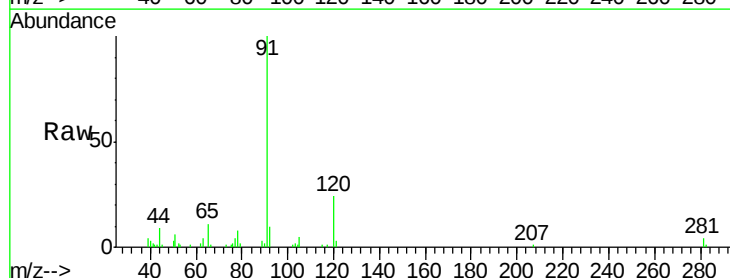
RT: 11.34 min Scan# 1682

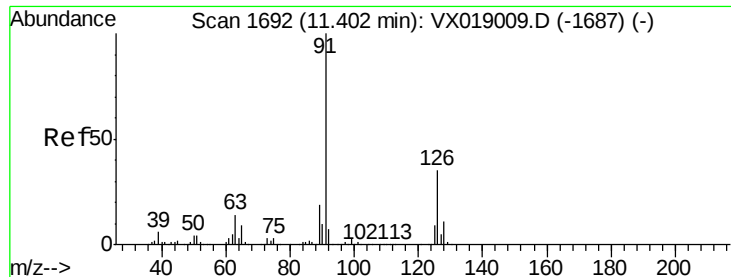
Delta R.T. 0.00 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Tgt Ion:	91	Resp:	9321
Ion	Ratio	Lower	Upper
91	100		
120	23.7	12.1	36.3





#79

2-Chlorotoluene

Concen: 0.657 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 91 Resp: 5483

Ion Ratio Lower Upper

91 100

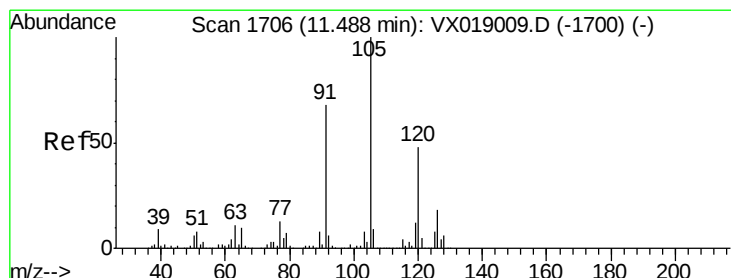
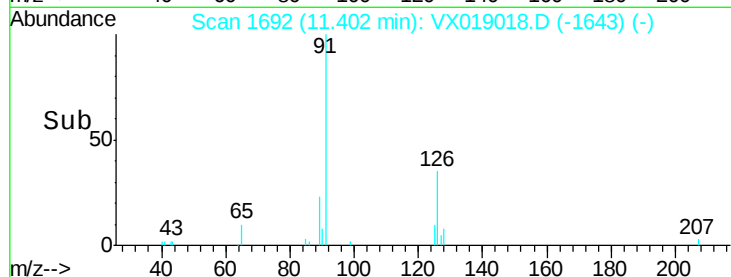
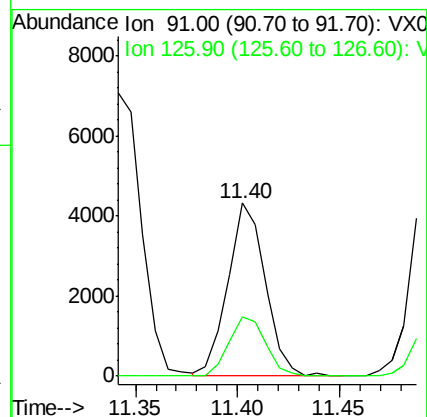
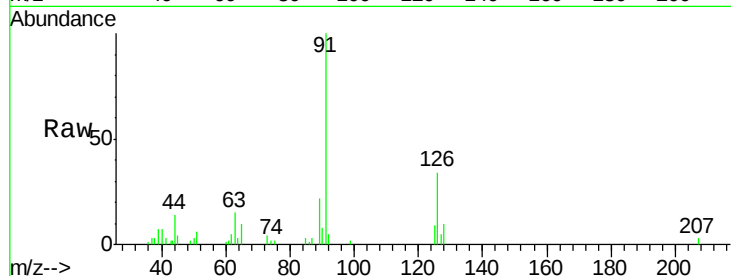
126 33.4 17.5 52.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 0.632 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019018.D

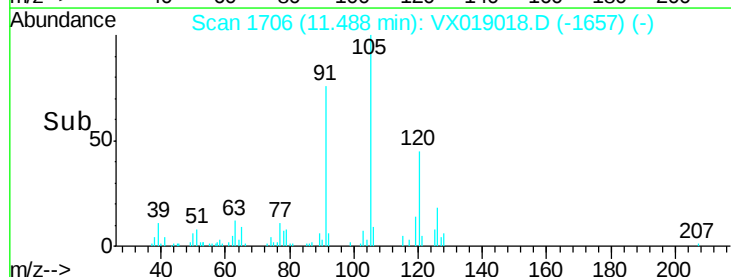
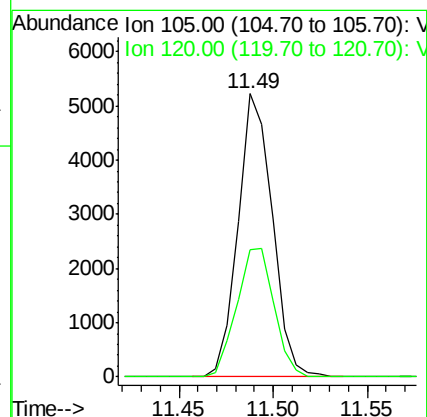
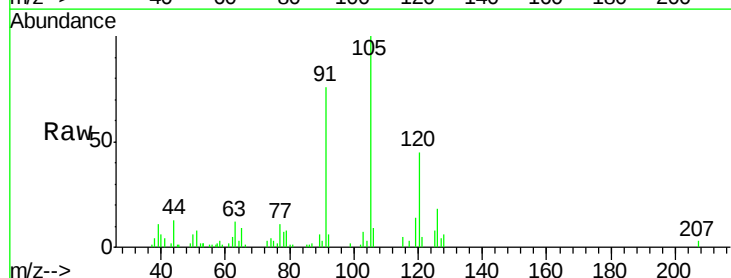
Acq: 22 Oct 2020 11:53

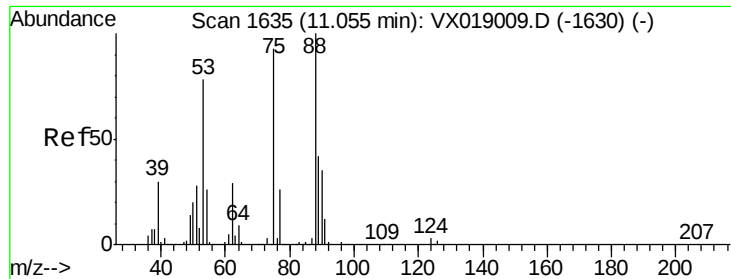
Tgt Ion: 105 Resp: 6589

Ion Ratio Lower Upper

105 100

120 49.4 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 0.541 ug/l m

RT: 11.06 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Instrument :

MSVOA_X

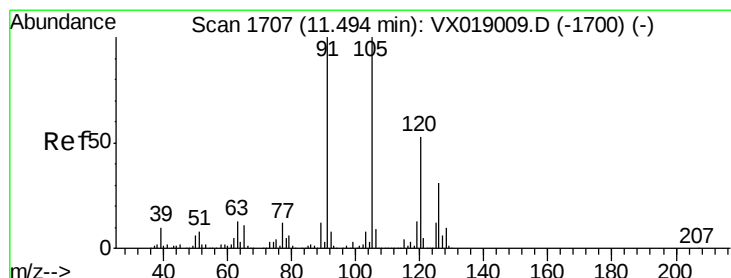
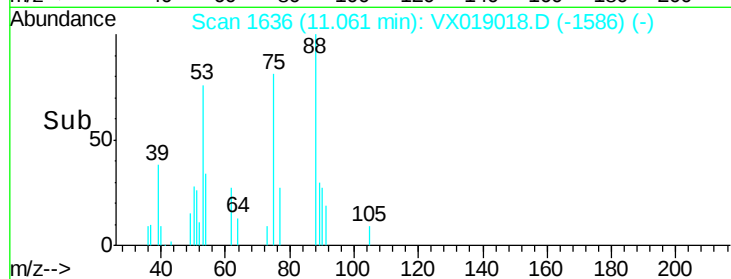
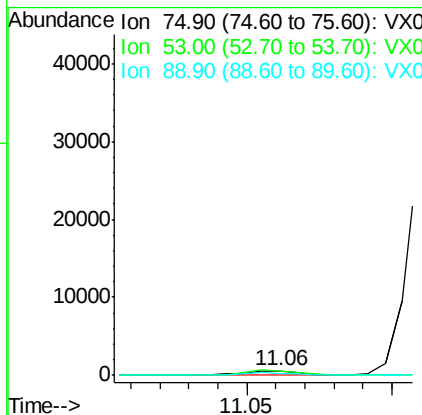
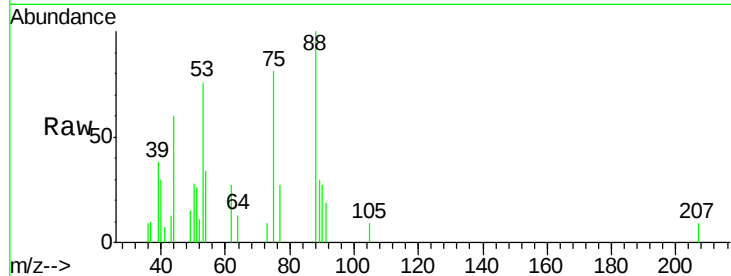
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	67.4	101.2#
89	0.0	37.2	55.8#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 0.660 ug/l

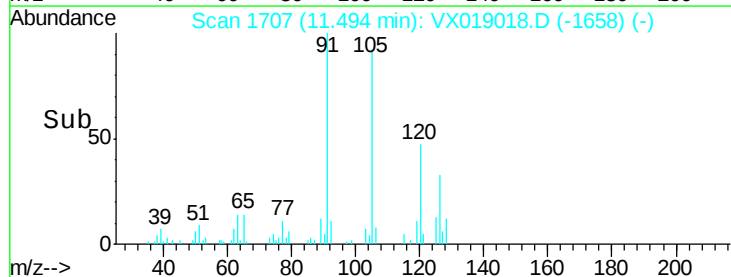
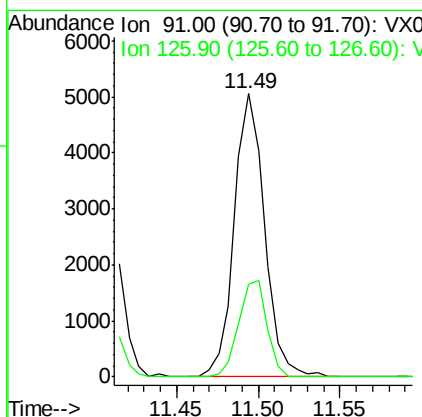
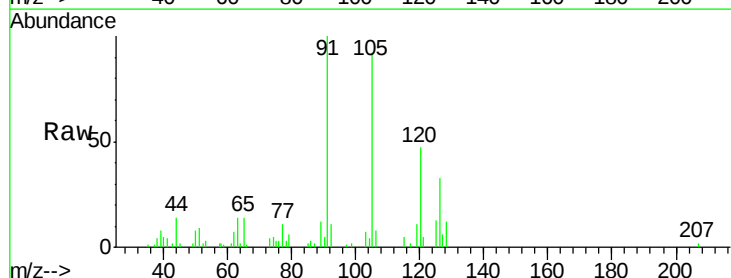
RT: 11.49 min Scan# 1707

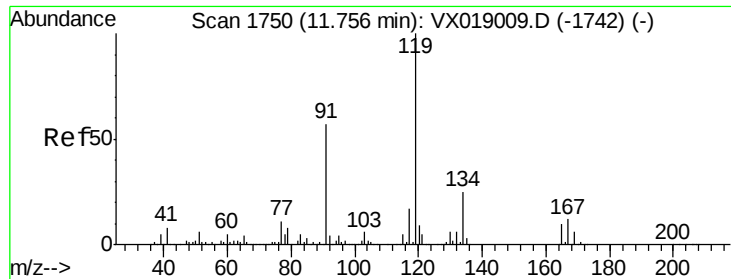
Delta R.T. 0.00 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.6	46.7





#83

tert-Butylbenzene

Concen: 0.621 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Instrument :

MSVOA_X

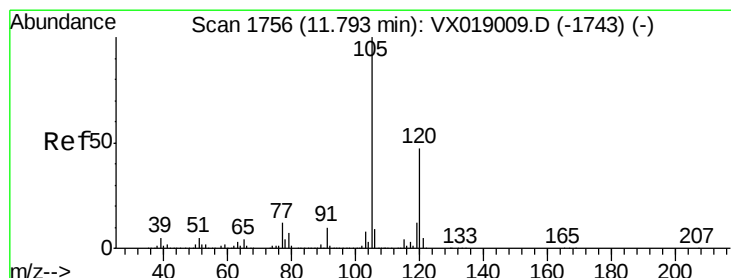
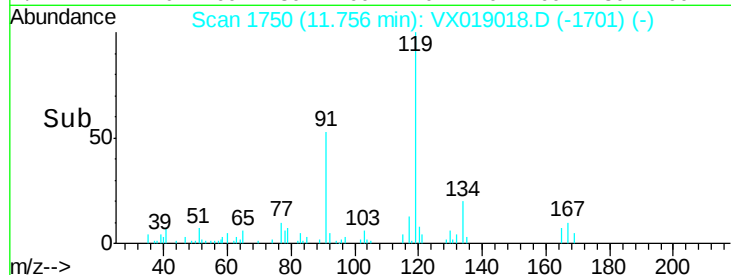
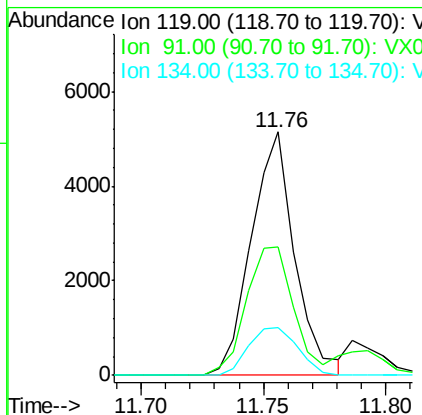
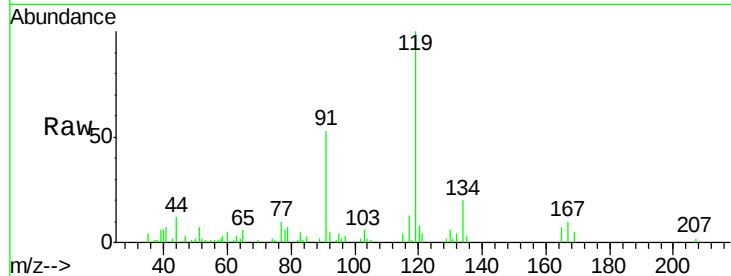
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	119	Resp:	6377
Ion Ratio	Lower	Upper	
119	100		
91	57.4	28.1	84.4
134	22.2	11.8	35.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 0.617 ug/l

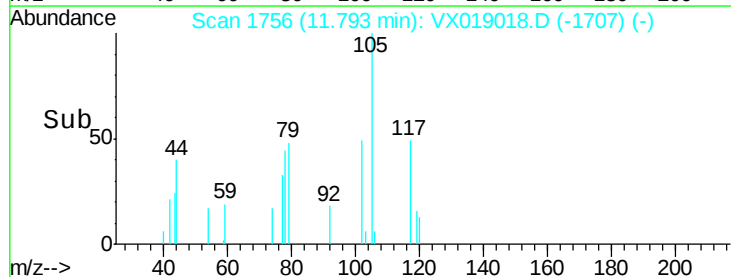
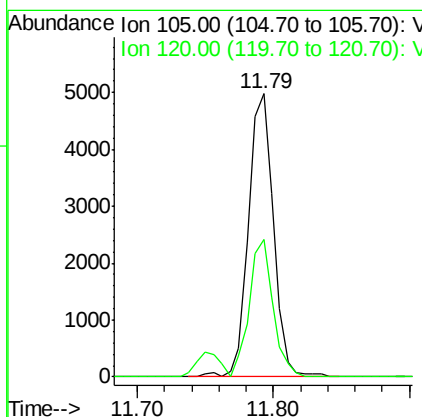
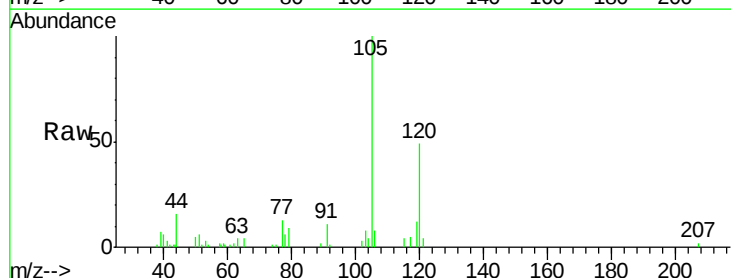
RT: 11.79 min Scan# 1756

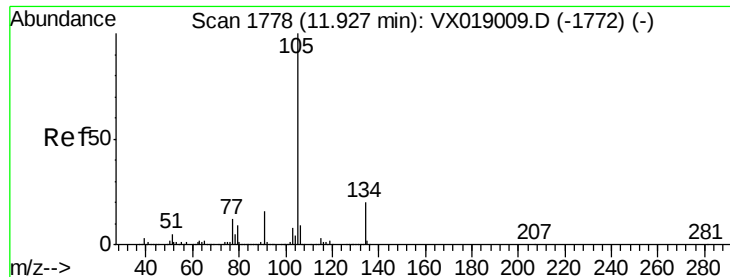
Delta R.T. 0.00 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Tgt Ion:	105	Resp:	6432
Ion Ratio	Lower	Upper	
105	100		
120	46.3	22.9	68.8





#85

sec-Butylbenzene

Concen: 0.600 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:105 Resp: 7446

Ion Ratio Lower Upper

105 100

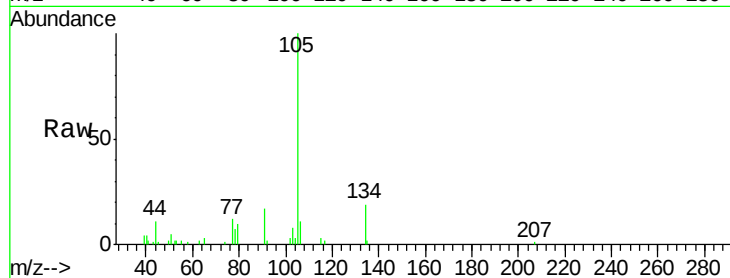
134 21.0 10.4 31.1

Manual Integrations

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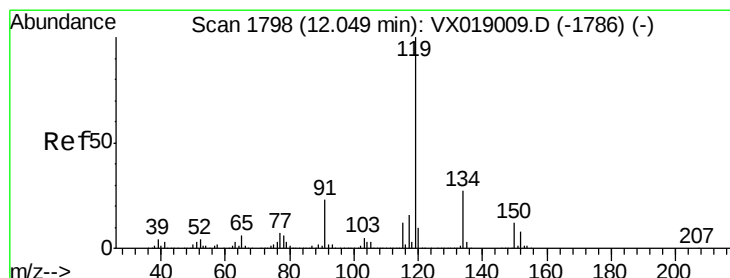
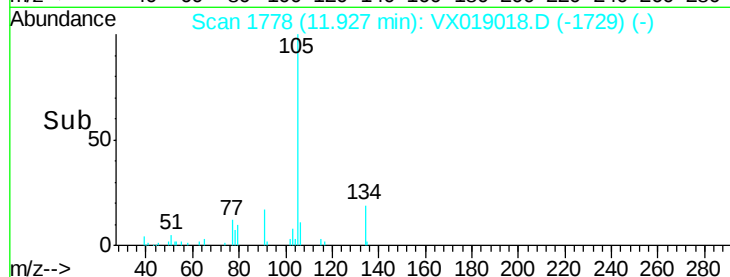
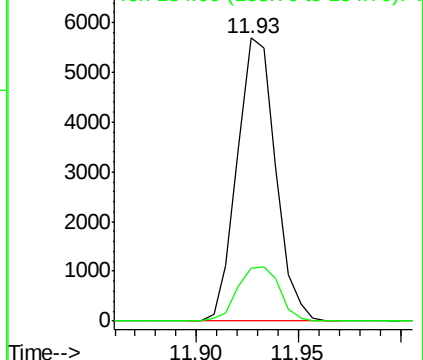
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.586 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

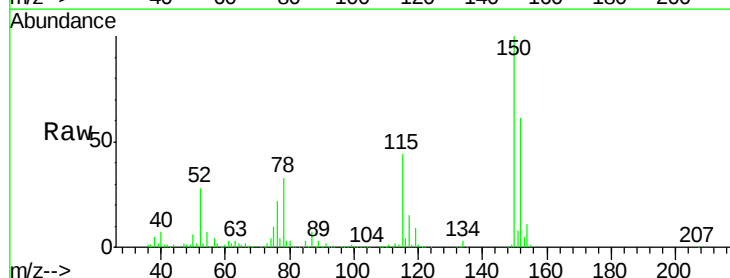
Tgt Ion:119 Resp: 6655

Ion Ratio Lower Upper

119 100

134 30.4 13.3 39.8

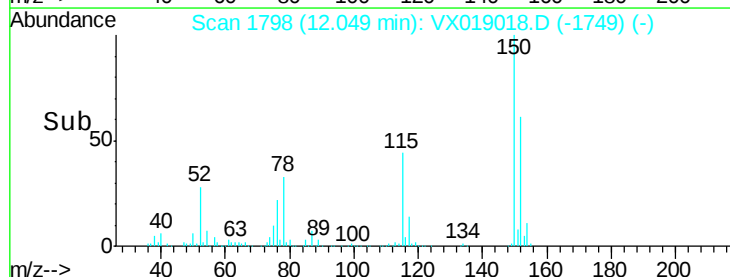
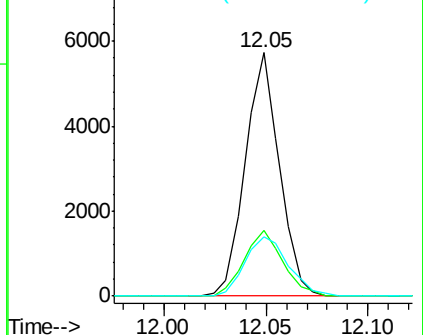
91 31.0 11.4 34.2

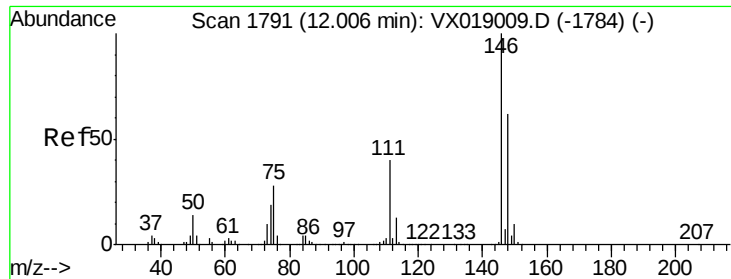


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





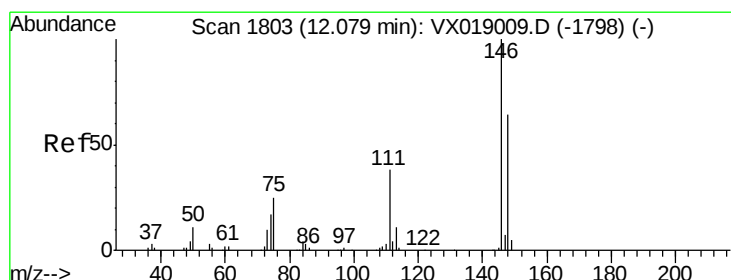
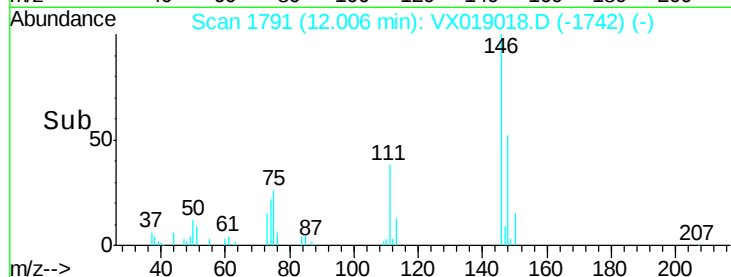
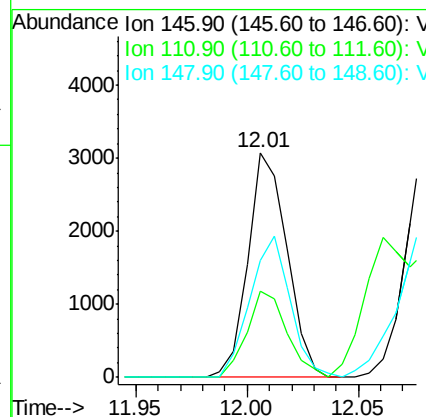
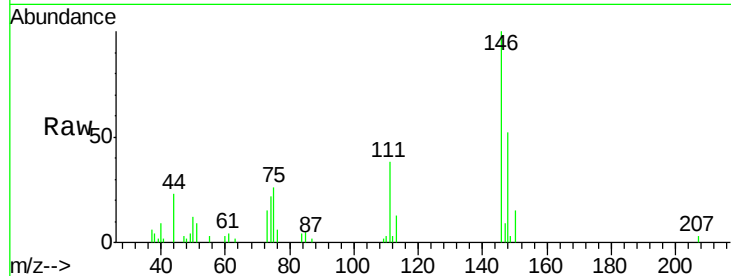
#87
 1,3-Dichlorobenzene
 Concen: 0.643 ug/l
 RT: 12.01 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX019018.D
 Acq: 22 Oct 2020 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.1
148	64.8	32.0	96.0

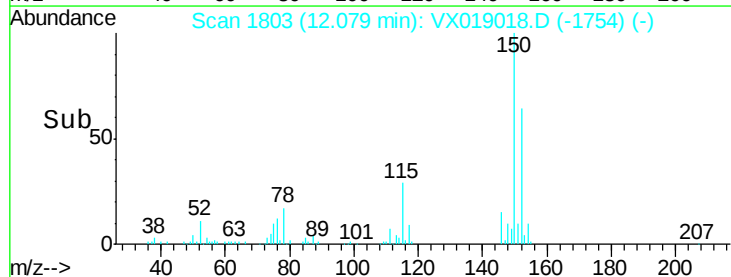
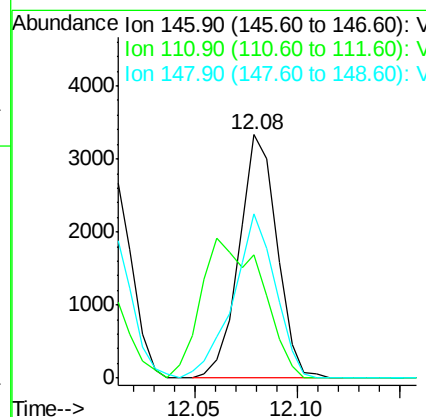
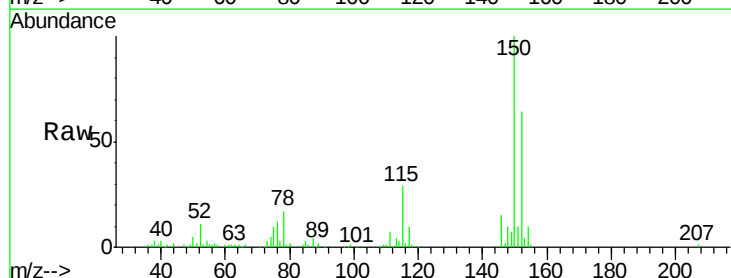
Manual Integrations
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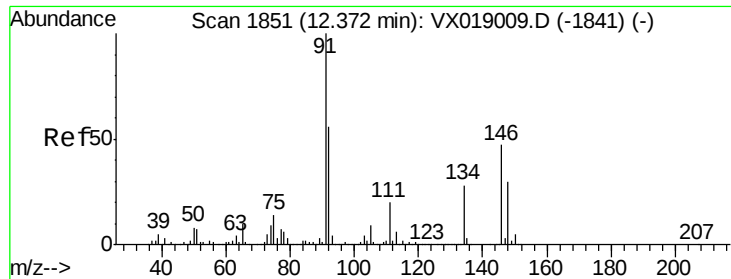
MMDadoda
 10/23/2020 12:05:53 PM



#88
 1,4-Dichlorobenzene
 Concen: 0.716 ug/l m
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX019018.D
 Acq: 22 Oct 2020 11:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.4	19.4	58.2
148	56.8	32.2	96.6





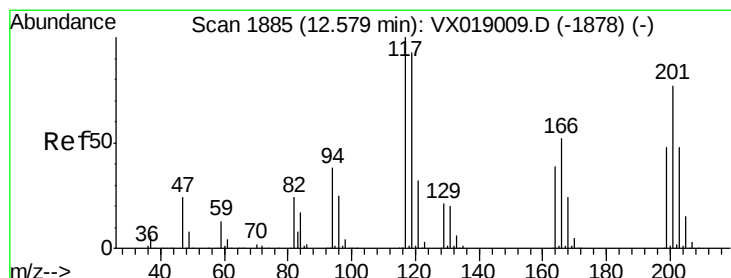
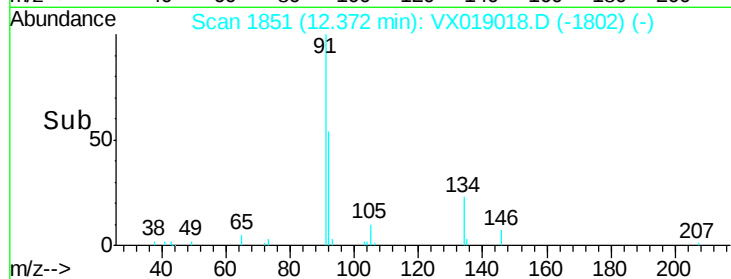
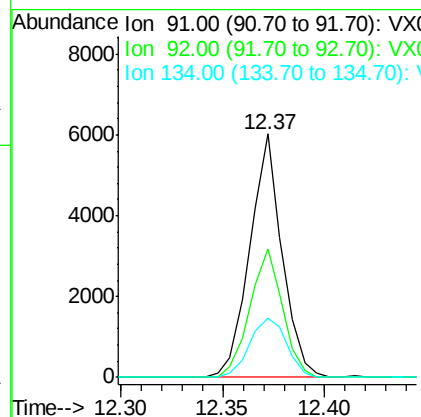
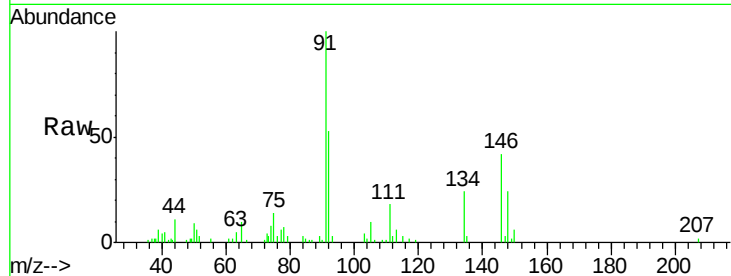
#89
n-Butylbenzene
Concen: 0.634 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.3	81.9
134	27.8	13.6	40.7

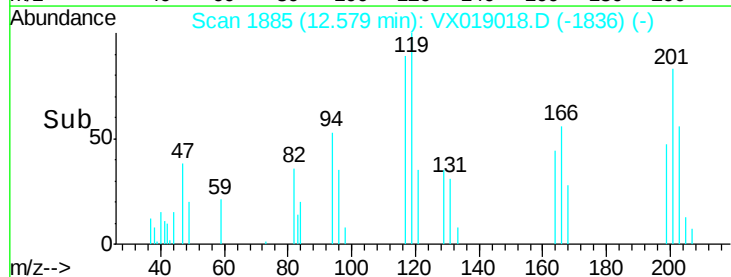
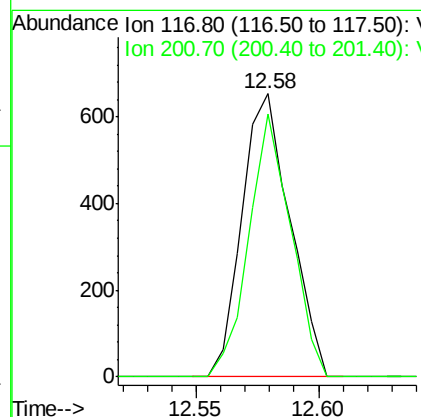
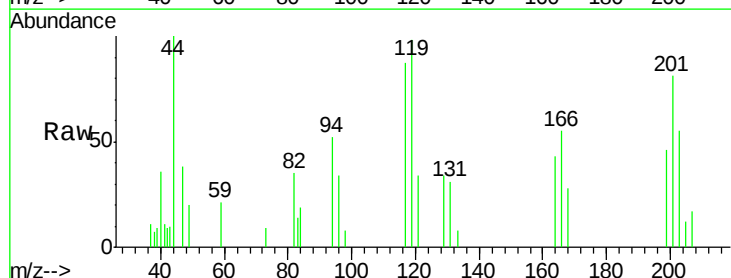
Manual Integrations
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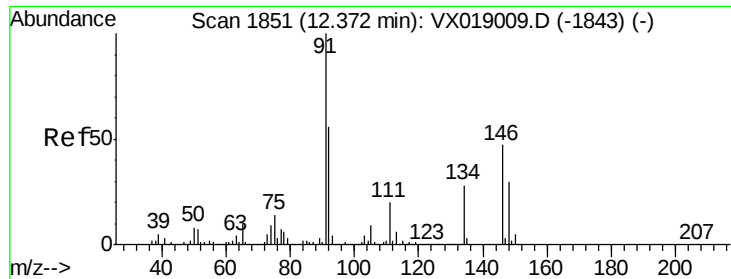
MMDadoda
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#90
Hexachloroethane
Concen: 0.515 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.5	37.1	111.3





#91

1,2-Dichlorobenzene

Concen: 0.700 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.01 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Instrument :

MSVOA_X

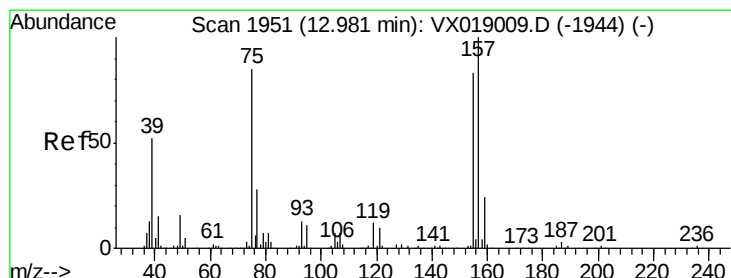
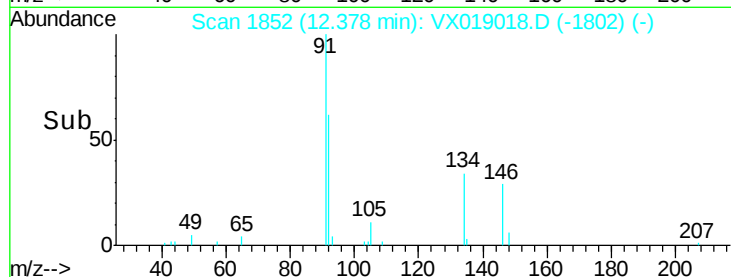
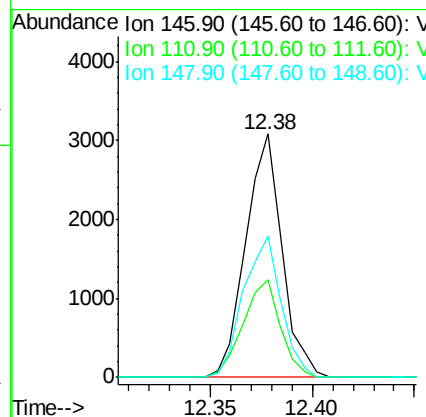
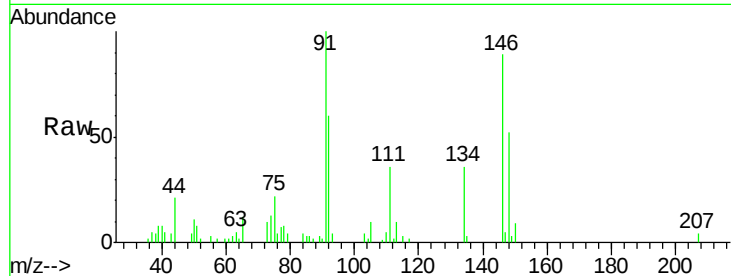
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	146	Resp:	3812
Ion Ratio	Lower	Upper	
146	100		
111	41.0	19.9	59.7
148	60.0	31.4	94.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 0.614 ug/l

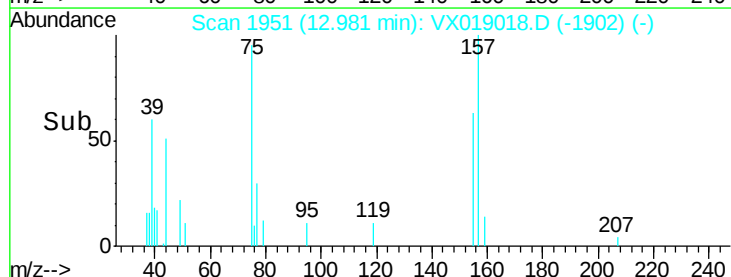
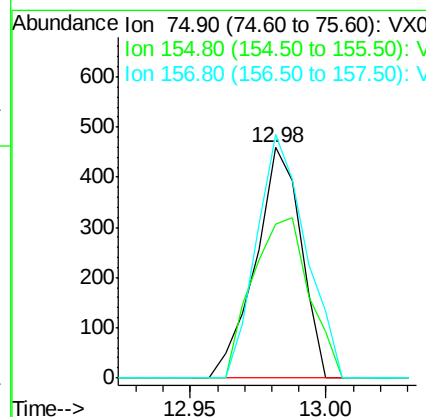
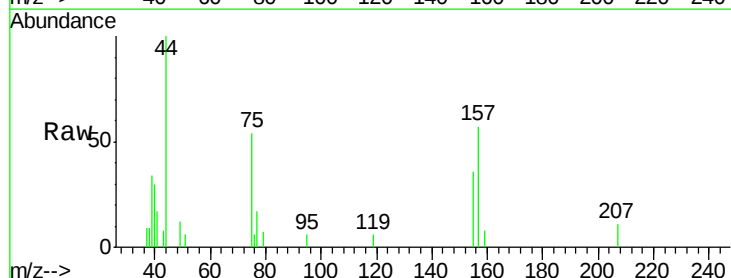
RT: 12.98 min Scan# 1951

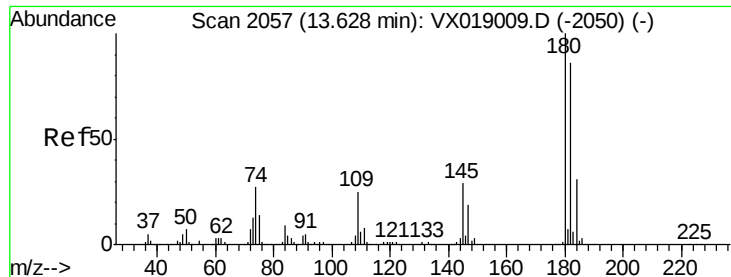
Delta R.T. 0.00 min

Lab File: VX019018.D

Acq: 22 Oct 2020 11:53

Tgt Ion:	75	Resp:	531
Ion Ratio	Lower	Upper	
75	100		
155	86.8	47.3	142.0
157	113.9	59.7	179.0





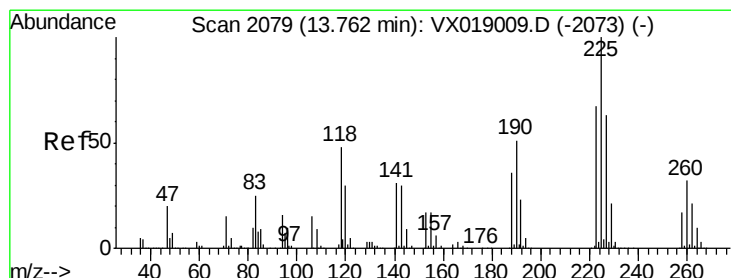
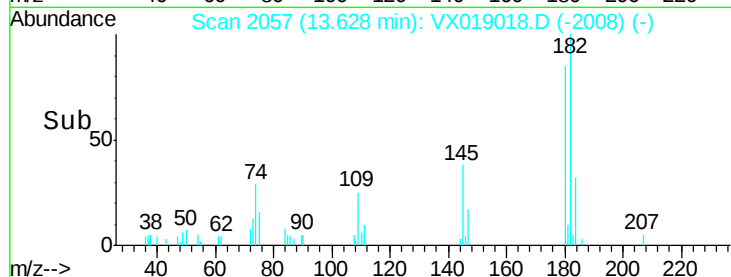
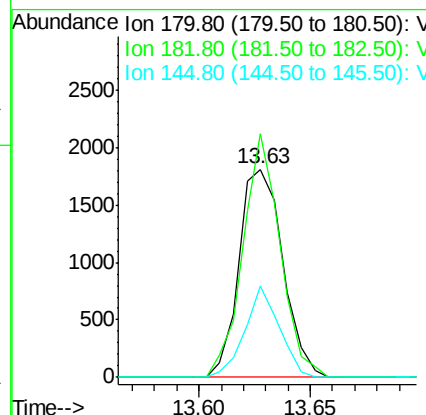
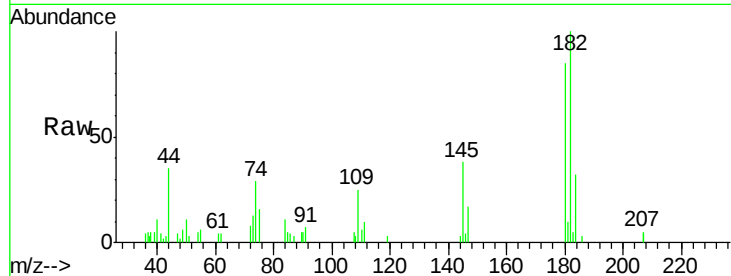
#93
 1,2,4-Trichlorobenzene
 Concen: 0.625 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX019018.D
 Acq: 22 Oct 2020 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.6	46.4	139.2
145	34.6	15.2	45.6

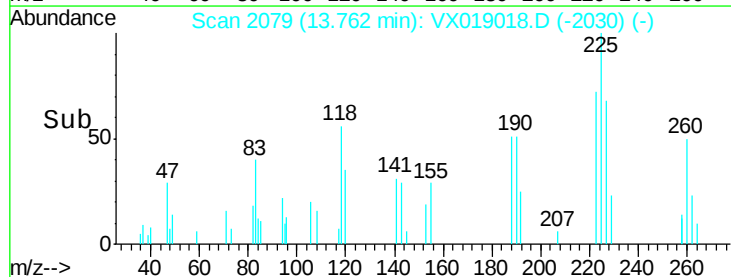
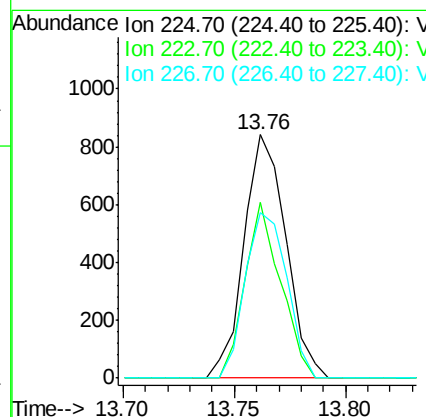
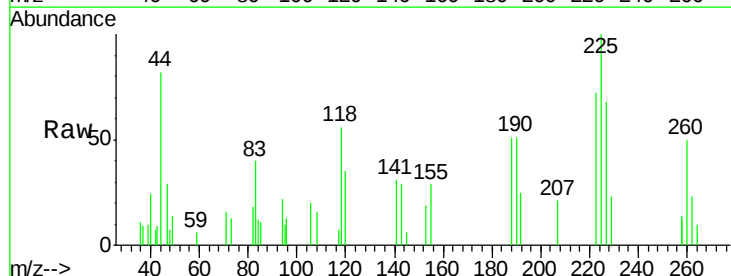
Manual Integrations
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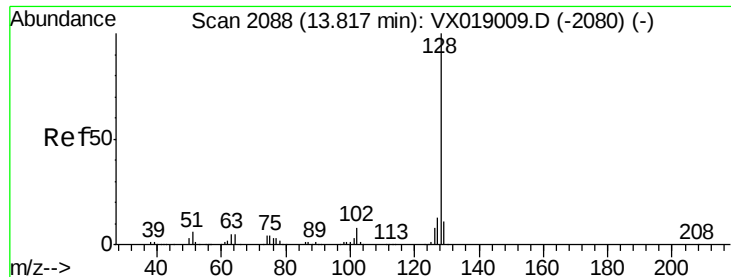
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#94
 Hexachlorobutadiene
 Concen: 0.601 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VX019018.D
 Acq: 22 Oct 2020 11:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	32.5	97.4
227	67.2	31.9	95.7





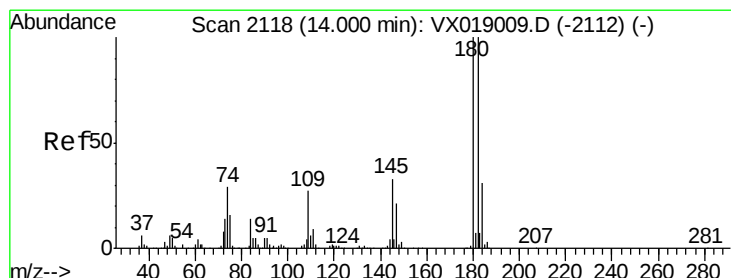
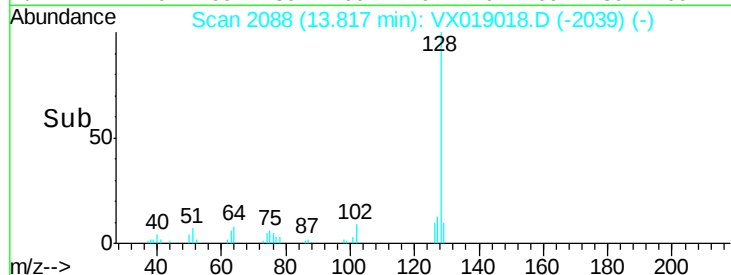
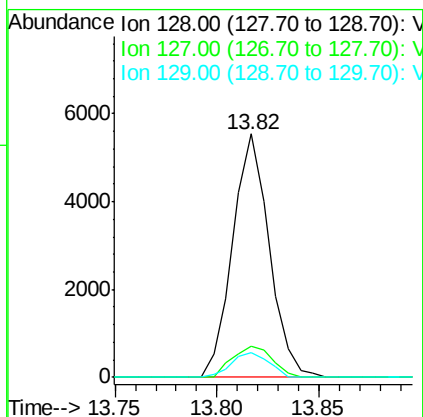
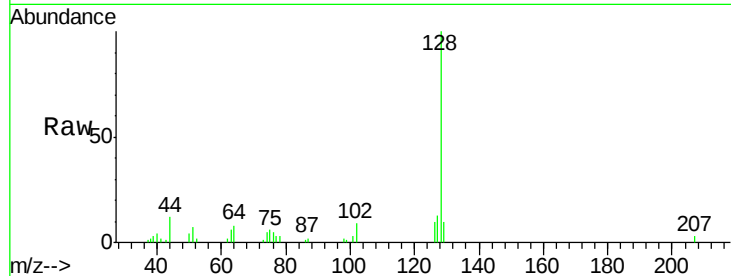
#95
Naphthalene
Concen: 0.549 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.5	15.7
129	10.4	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 0.619 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX019018.D
Acq: 22 Oct 2020 11:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.3	142.0
145	31.9	15.9	47.6

