

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102220\
 Data File : VX019019.D
 Acq On : 22 Oct 2020 12:16
 Operator : JC/SP
 Sample : L4214-07 2.5PPB LOD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 12:05:17 PM

Quant Time: Oct 23 10:15:11 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	5.63	168	230771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	384742	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	354060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	168070	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	140270	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
35) Dibromofluoromethane	5.46	113	118209	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
50) Toluene-d8	8.70	98	459009	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
62) 4-Bromofluorobenzene	11.12	95	158873	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	4760	2.071	ug/l 99
3) Chloromethane	1.31	50	5314	2.325	ug/l 97
4) Vinyl Chloride	1.39	62	6150	2.281	ug/l 96
5) Bromomethane	1.64	94	8708	3.163	ug/l 93
6) Chloroethane	1.72	64	4610	2.738	ug/l 93
7) Trichlorofluoromethane	1.92	101	10459	2.295	ug/l 100
8) Diethyl Ether	2.17	74	4341	2.433	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	5353	2.479	ug/l 93
10) Methyl Iodide	2.50	142	4434	1.629	ug/l 99
11) Tert butyl alcohol	3.03	59	7075	12.637	ug/l 97
12) 1,1-Dichloroethene	2.36	96	5186	2.309	ug/l 96
13) Acrolein	2.28	56	3235	14.584	ug/l 88
14) Allyl chloride	2.71	41	6707	2.308	ug/l 99
15) Acrylonitrile	3.12	53	12789	11.813	ug/l 99
16) Acetone	2.42	43	12475	13.250	ug/l 90
17) Carbon Disulfide	2.55	76	14301	2.208	ug/l 98
18) Methyl Acetate	2.75	43	5658	2.422	ug/l 99
19) Methyl tert-butyl Ether	3.16	73	16660	2.342	ug/l 98
20) Methylene Chloride	2.84	84	6336	2.417	ug/l 94
21) trans-1,2-Dichloroethene	3.14	96	5881	2.244	ug/l 96
22) Diisopropyl ether	3.82	45	13800	2.408	ug/l 92
23) Vinyl Acetate	3.79	43	61317	11.270	ug/l 99
24) 1,1-Dichloroethane	3.67	63	9926	2.379	ug/l 99
25) 2-Butanone	4.64	43	18027	12.117	ug/l 97
26) 2,2-Dichloropropane	4.55	77	9093	2.360	ug/l 98
27) cis-1,2-Dichloroethene	4.57	96	6937	2.332	ug/l 99
28) Bromochloromethane	4.98	49	4428	2.499	ug/l 96
29) Tetrahydrofuran	5.10	42	10169	11.436	ug/l 98
30) Chloroform	5.17	83	10963	2.420	ug/l 94
31) Cyclohexane	5.55	56	7531	2.326	ug/l 96
32) 1,1,1-Trichloroethane	5.46	97	9338	2.273	ug/l 97
36) 1,1-Dichloropropene	5.77	75	8312	2.408	ug/l 98
37) Ethyl Acetate	4.79	43	7125	2.418	ug/l 98
38) Carbon Tetrachloride	5.76	117	8334	2.300	ug/l 95

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 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	8914	2.305	ug/l	94
40) Benzene	6.11	78	23652	2.326	ug/l	99
41) Methacrylonitrile	5.01	41	4254	2.688	ug/l #	86
42) 1,2-Dichloroethane	6.17	62	8704	2.508	ug/l	100
43) Isopropyl Acetate	6.41	43	11844	2.373	ug/l	100
44) Trichloroethene	7.19	130	7060	2.381	ug/l	94
45) 1,2-Dichloropropane	7.49	63	5566	2.282	ug/l	99
46) Dibromomethane	7.63	93	4304	2.317	ug/l	97
47) Bromodichloromethane	7.88	83	8064	2.214	ug/l	96
48) Methyl methacrylate	7.74	41	5607	2.280	ug/l	95
49) 1,4-Dioxane	7.74	88	2543	45.773	ug/l	94
51) 4-Methyl-2-Pentanone	8.62	43	33880	11.522	ug/l	100
52) Toluene	8.77	92	15490	2.307	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	8710	2.118	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	9471	2.181	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	6079	2.221	ug/l	96
56) Ethyl methacrylate	9.16	69	8809	2.237	ug/l	95
57) 1,3-Dichloropropane	9.35	76	10038	2.310	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.29	63	23228	11.227	ug/l	99
59) 2-Hexanone	9.48	43	26232	11.971	ug/l	96
60) Dibromochloromethane	9.57	129	6230	2.088	ug/l	99
61) 1,2-Dibromoethane	9.65	107	6532	2.230	ug/l	98
64) Tetrachloroethene	9.32	164	6669	2.474	ug/l	86
65) Chlorobenzene	10.12	112	16993	2.288	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	5783	2.190	ug/l	94
67) Ethyl Benzene	10.24	91	28997	2.265	ug/l	99
68) m/p-Xylenes	10.34	106	21911	4.468	ug/l	100
69) o-Xylene	10.68	106	10833	2.308	ug/l	92
70) Styrene	10.70	104	17192	2.158	ug/l	99
71) Bromoform	10.84	173	4476	2.100	ug/l #	99
73) Isopropylbenzene	11.00	105	27774	2.297	ug/l	99
74) N-amyl acetate	10.88	43	9437	2.436	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.25	83	9025	2.478	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	8462m	2.519	ug/l	
77) Bromobenzene	11.24	156	7157	2.344	ug/l	97
78) n-propylbenzene	11.34	91	31617	2.308	ug/l	98
79) 2-Chlorotoluene	11.40	91	19100	2.390	ug/l	97
80) 1,3,5-Trimethylbenzene	11.49	105	22445	2.248	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	2902	2.201	ug/l	91
82) 4-Chlorotoluene	11.49	91	22062	2.320	ug/l	98
83) tert-Butylbenzene	11.76	119	22353	2.273	ug/l	97
84) 1,2,4-Trimethylbenzene	11.79	105	23119	2.312	ug/l	100
85) sec-Butylbenzene	11.93	105	26698	2.243	ug/l	99
86) p-Isopropyltoluene	12.05	119	25420	2.337	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	12904	2.304	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	13867	2.412	ug/l	89
89) n-Butylbenzene	12.37	91	22248	2.235	ug/l	99
90) Hexachloroethane	12.58	117	3452	2.073	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	12568	2.407	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	1997	2.408	ug/l	85

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LOD-MDL-WATER-01-QT4-2020

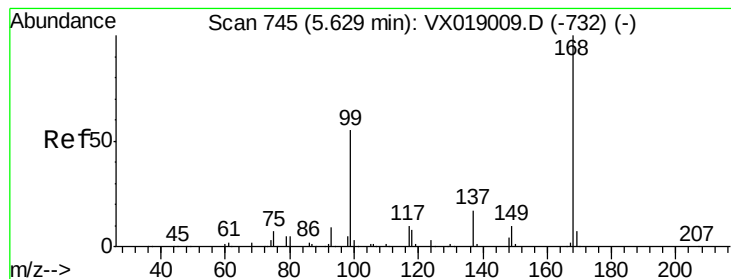
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 23 09:59:01 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	7663	2.006	ug/l	89
94) Hexachlorobutadiene	13.76	225	3948	2.229	ug/l	98
95) Naphthalene	13.82	128	25379	2.111	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	7576	2.037	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:168 Resp: 230771

Ion Ratio Lower Upper

168 100

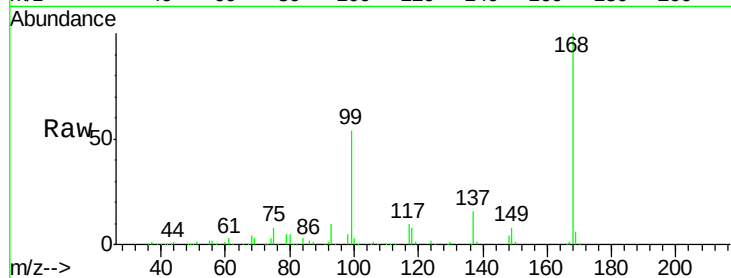
99 53.7 44.2 66.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

60000

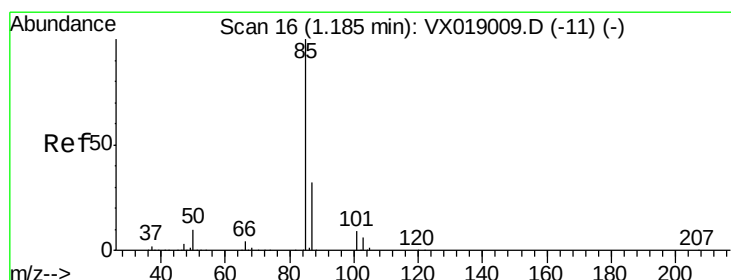
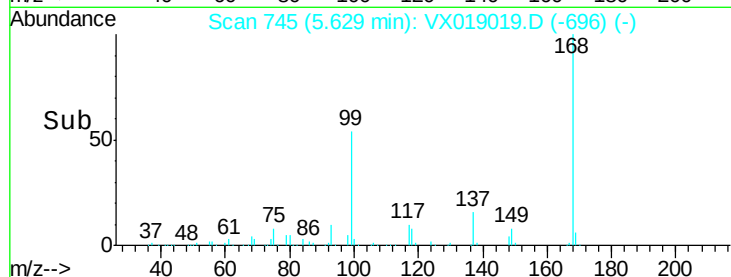
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 2.071 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019019.D

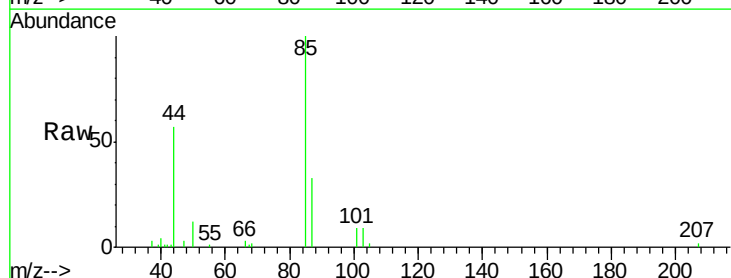
Acq: 22 Oct 2020 12:16

Tgt Ion: 85 Resp: 4760

Ion Ratio Lower Upper

85 100

87 32.9 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

6000

5000

4000

3000

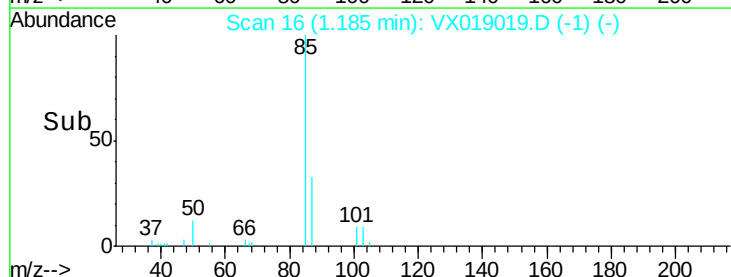
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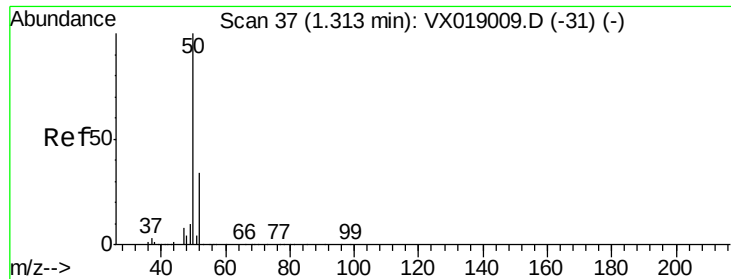
1000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 2.325 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 50 Resp: 5314

Ion Ratio Lower Upper

50 100

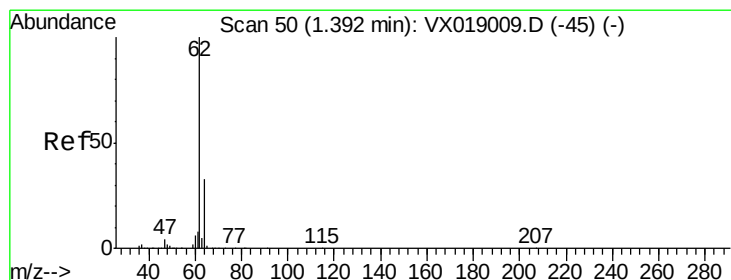
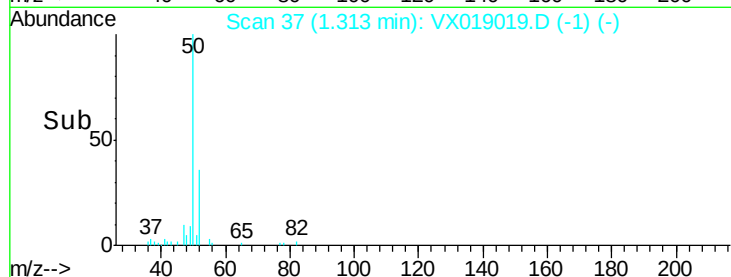
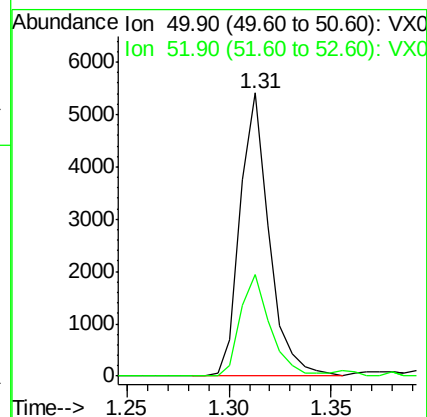
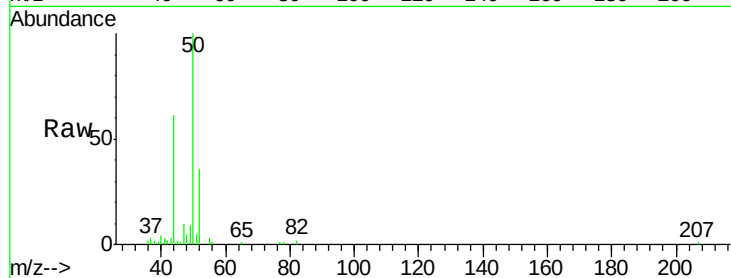
52 35.8 27.0 40.6

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#4

Vinyl Chloride

Concen: 2.281 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019019.D

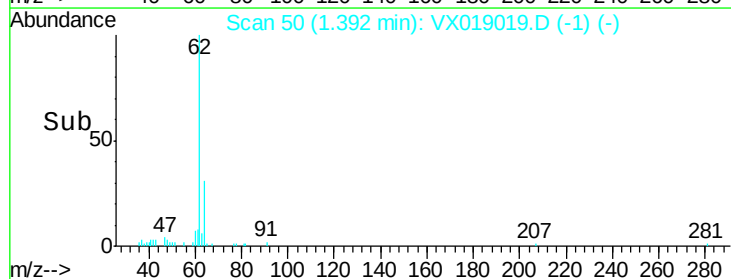
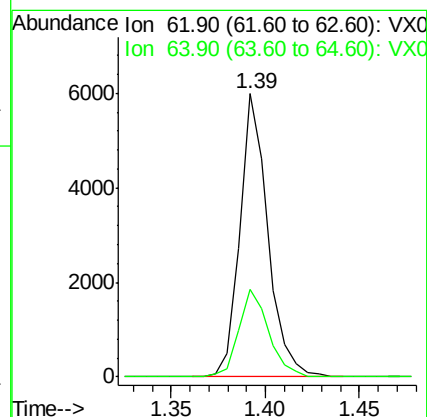
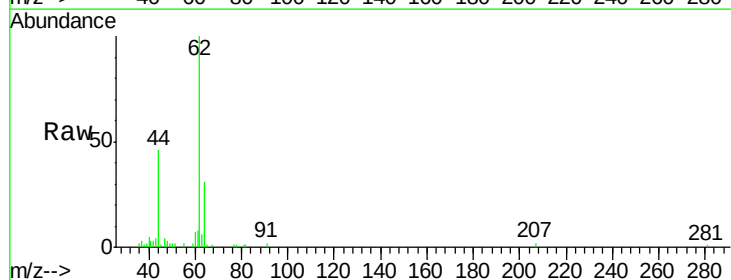
Acq: 22 Oct 2020 12:16

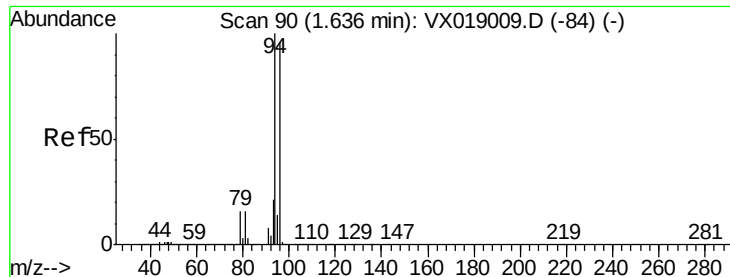
Tgt Ion: 62 Resp: 6150

Ion Ratio Lower Upper

62 100

64 30.8 26.5 39.7





#5

Bromomethane

Concen: 3.163 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 94 Resp: 8708

Ion Ratio Lower Upper

94 100

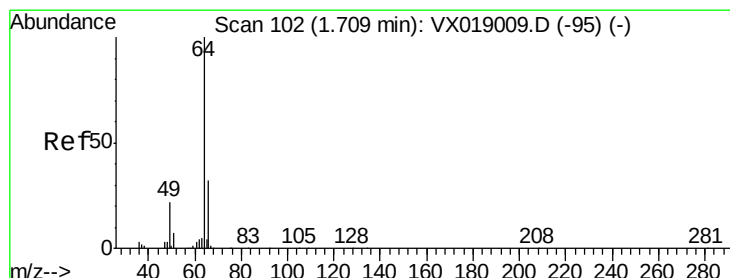
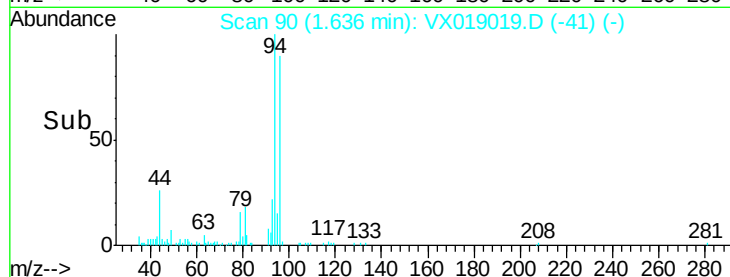
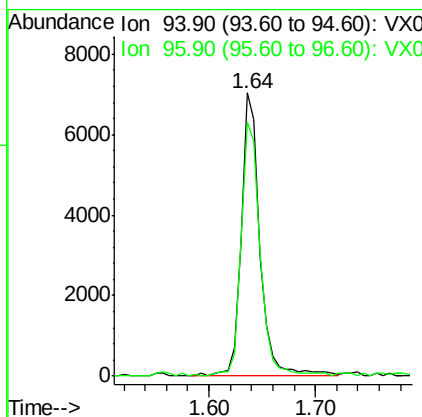
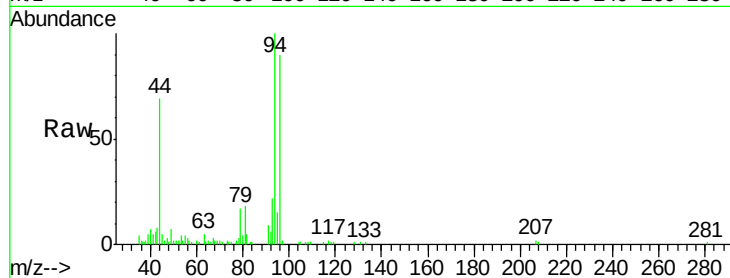
96 89.7 77.1 115.7

Manual Integrations

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#6

Chloroethane

Concen: 2.738 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX019019.D

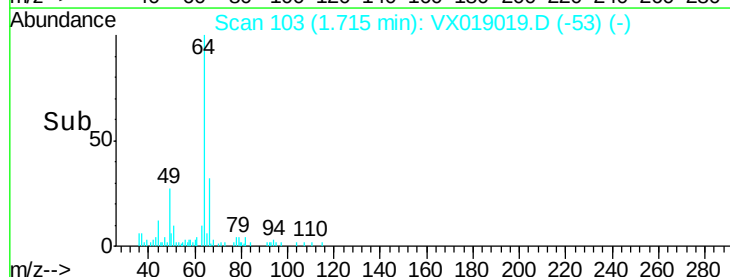
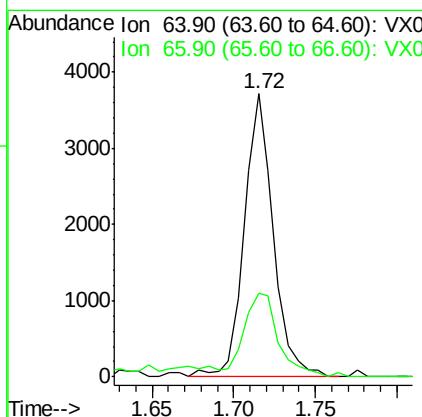
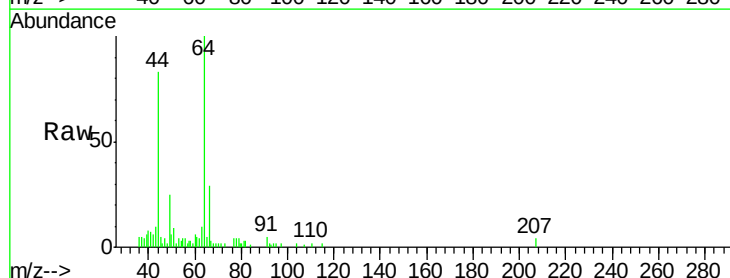
Acq: 22 Oct 2020 12:16

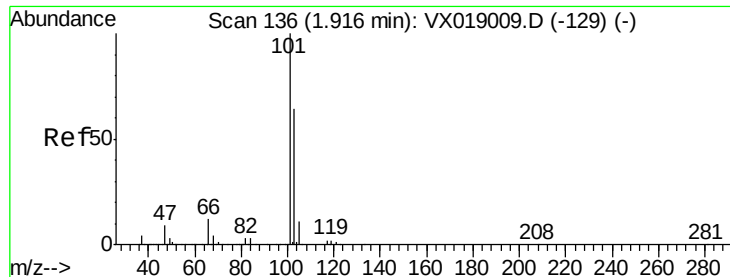
Tgt Ion: 64 Resp: 4610

Ion Ratio Lower Upper

64 100

66 27.9 25.7 38.5





#7

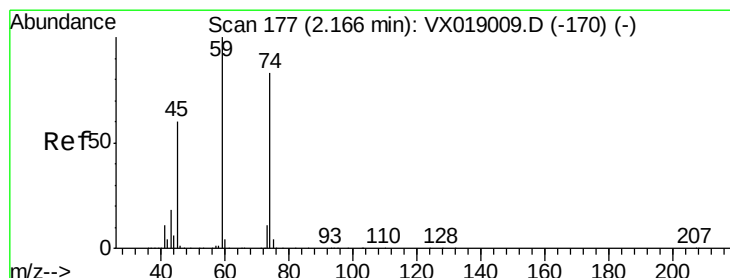
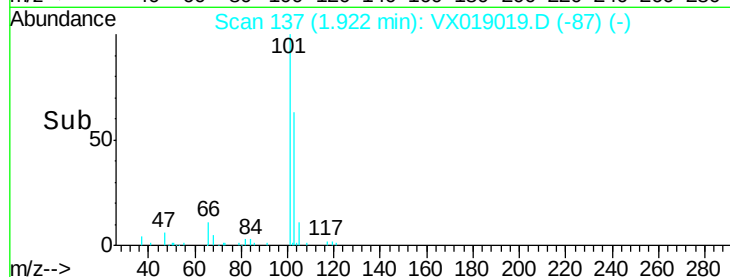
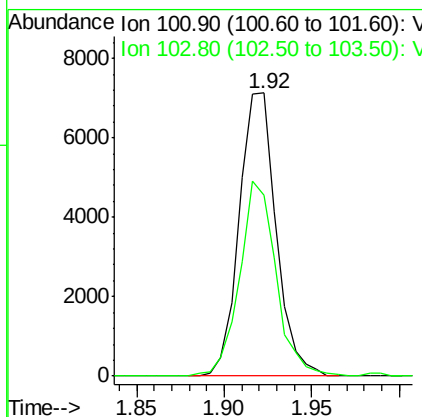
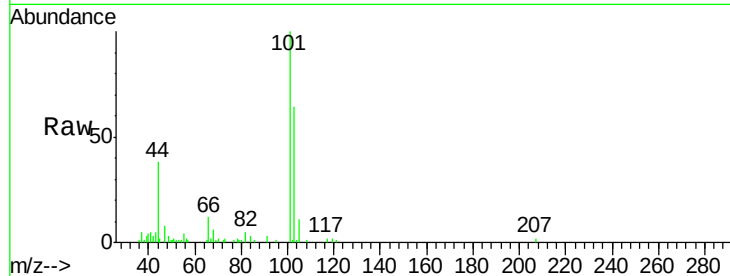
Trichlorofluoromethane
Concen: 2.295 ug/l
RT: 1.92 min Scan# 137
Delta R.T. 0.01 min
Lab File: VX019019.D
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LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.2	76.8

Manual Integrations
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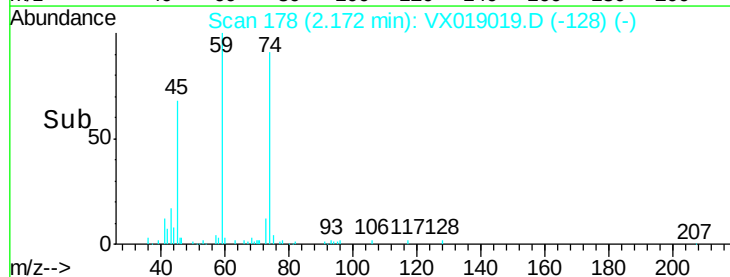
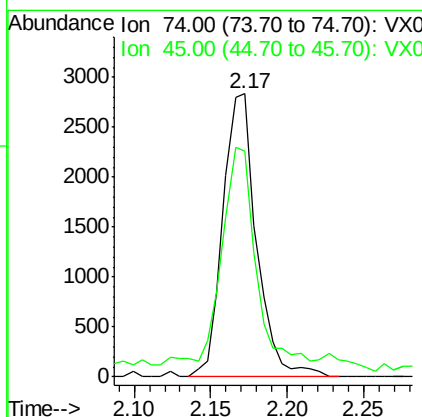
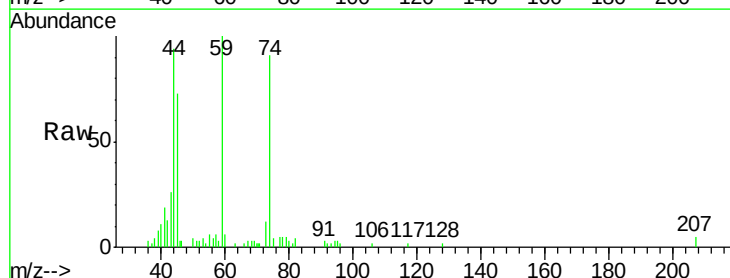
MMDadoda
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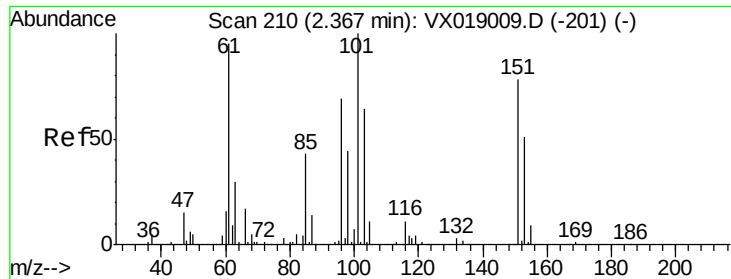


#8

Diethyl Ether
Concen: 2.433 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.01 min
Lab File: VX019019.D
Acq: 22 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	76.8	36.8	110.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.479 ug/l

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

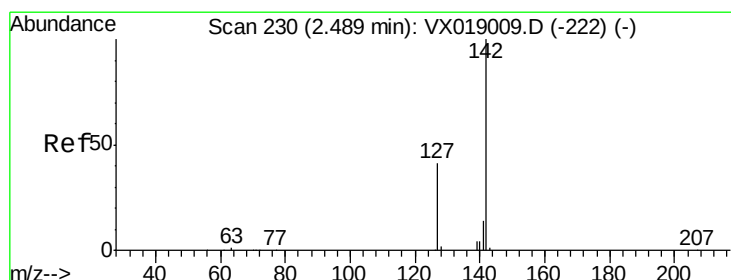
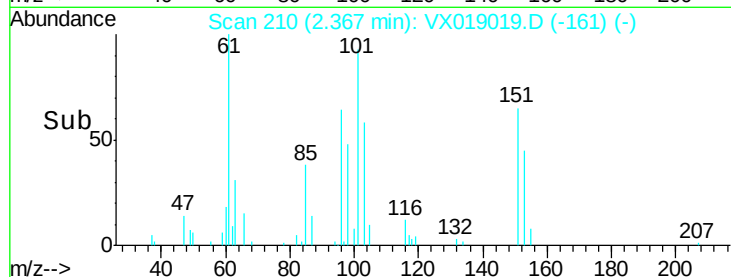
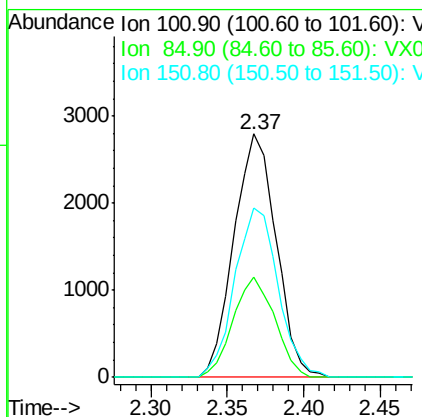
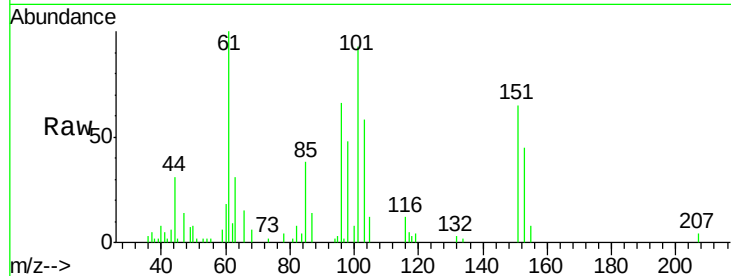
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	101	Resp:	5353
Ion Ratio	Lower	Upper	
101	100		
85	40.5	35.2	52.8
151	71.7	62.4	93.6

Manual Integrations
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#10

Methyl Iodide

Concen: 1.629 ug/l

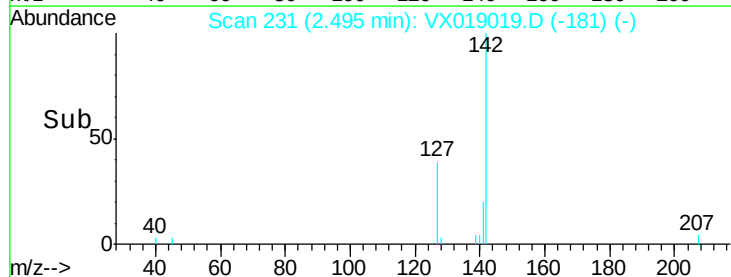
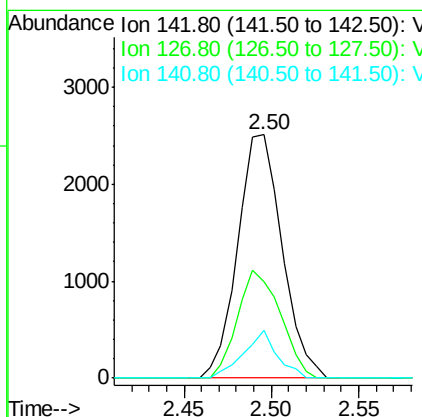
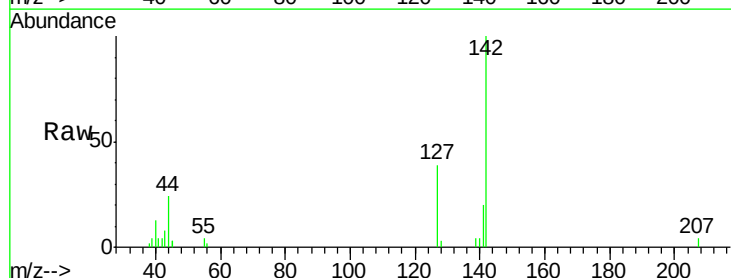
RT: 2.50 min Scan# 231

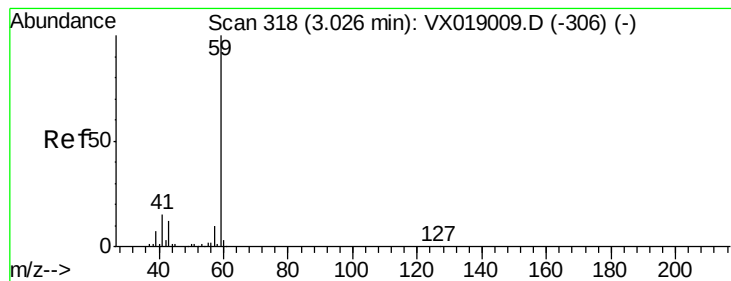
Delta R.T. 0.01 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Tgt Ion:	142	Resp:	4434
Ion Ratio	Lower	Upper	
142	100		
127	42.5	33.6	50.4
141	14.8	11.2	16.8





#11

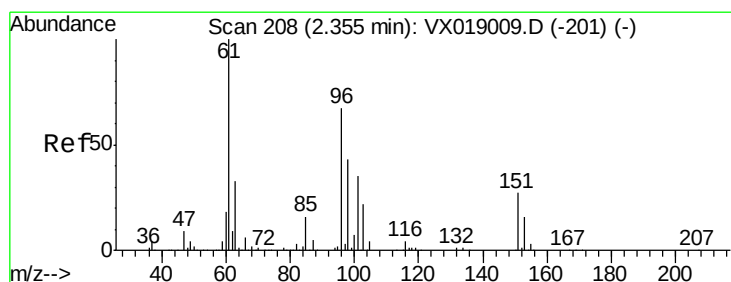
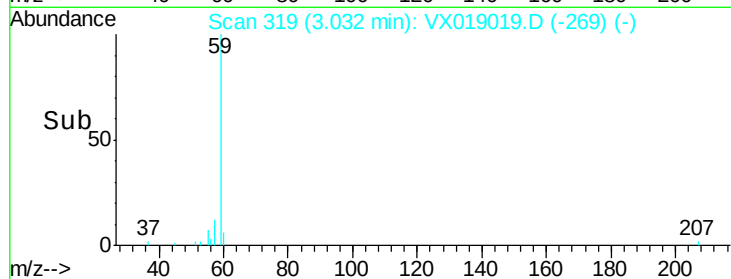
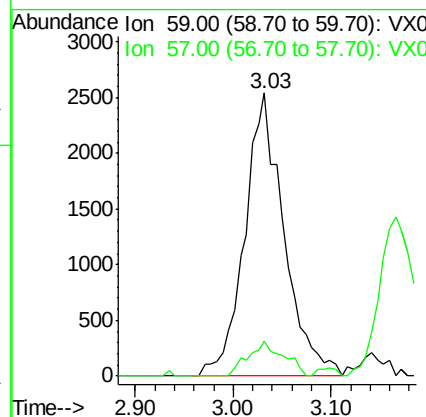
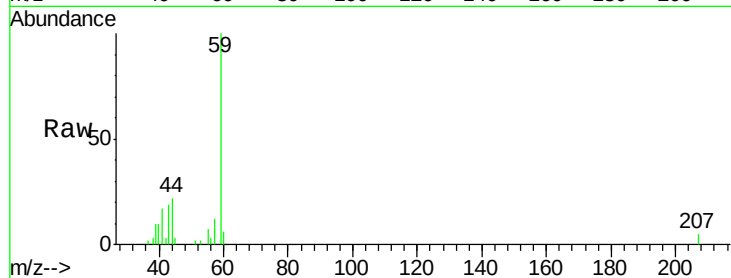
Tert butyl alcohol
Concen: 12.637 ug/l
RT: 3.03 min Scan# 319
Delta R.T. 0.01 min
Lab File: VX019019.D
Acq: 22 Oct 2020 12:16

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

Tot Ion: 59 Resp: 7075
Ion Ratio Lower Upper
59 100
57 11.2 8.2 12.2

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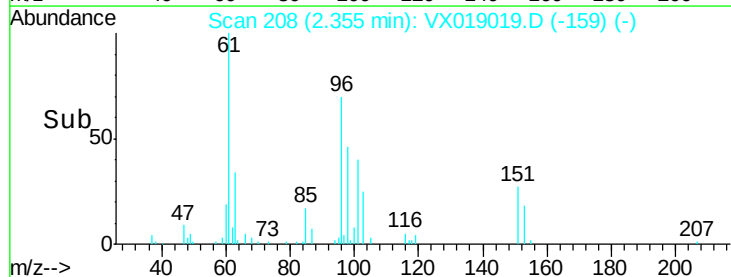
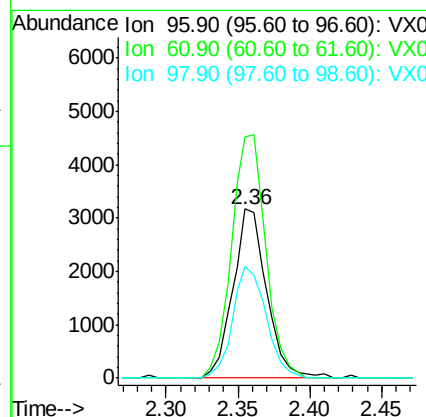
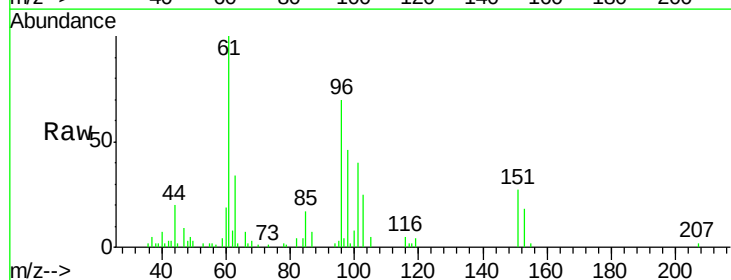
MMDadoda
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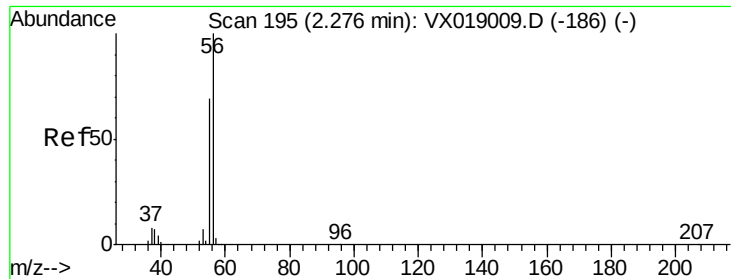


#12

1,1-Dichloroethene
Concen: 2.309 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX019019.D
Acq: 22 Oct 2020 12:16

Tgt Ion: 96 Resp: 5186
Ion Ratio Lower Upper
96 100
61 142.9 119.0 178.6
98 66.1 51.0 76.4





#13

Acrolein

Concen: 14.584 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 56 Resp: 3235

Ion Ratio Lower Upper

56 100

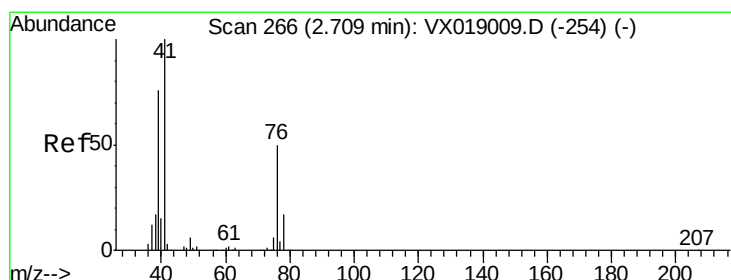
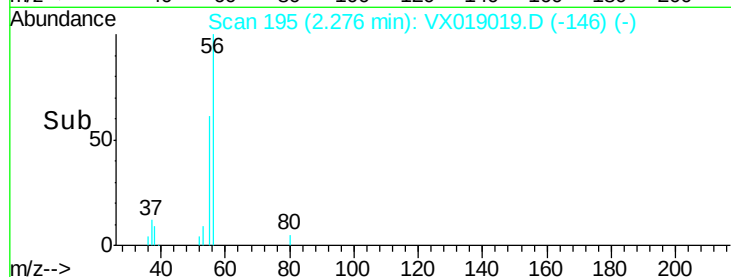
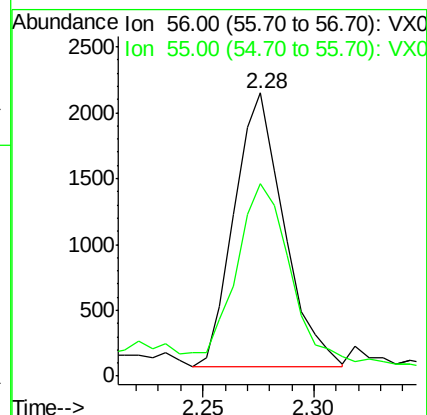
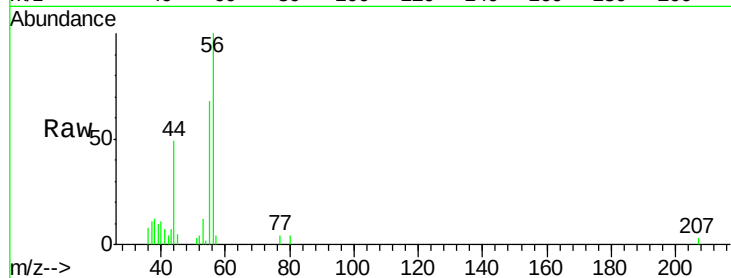
55 77.7 54.2 81.4

Manual Integrations

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#14

Allyl chloride

Concen: 2.308 ug/l

RT: 2.71 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

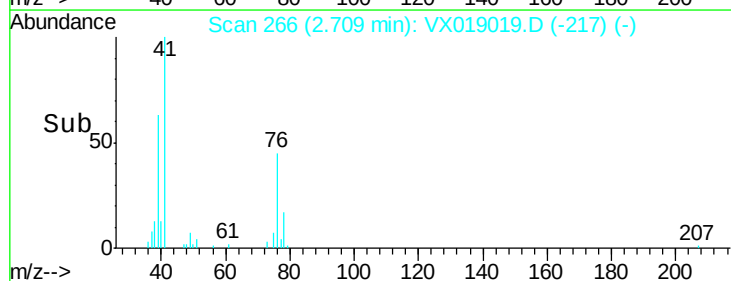
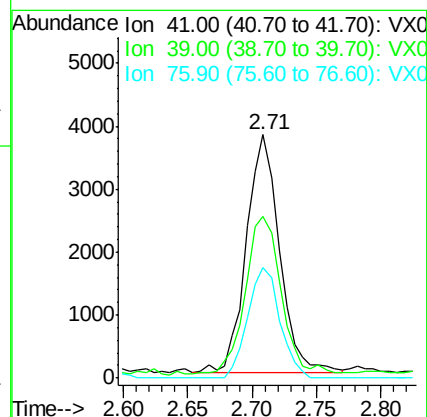
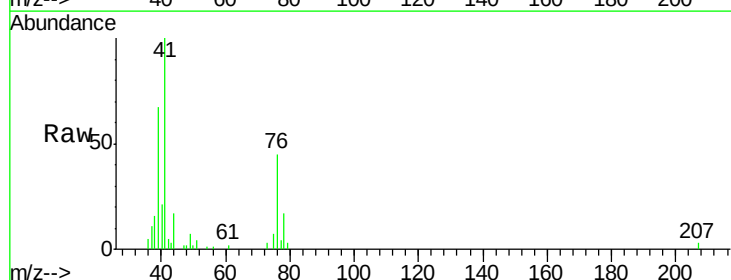
Tgt Ion: 41 Resp: 6707

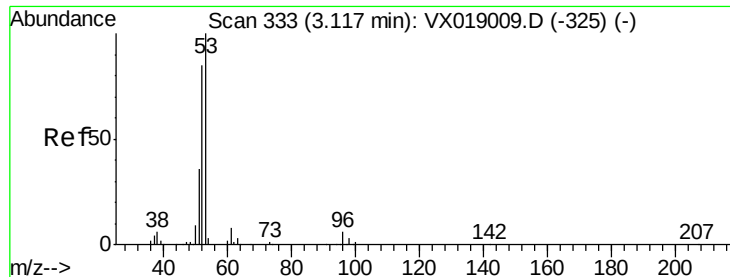
Ion Ratio Lower Upper

41 100

39 72.0 57.4 86.0

76 45.0 37.7 56.5





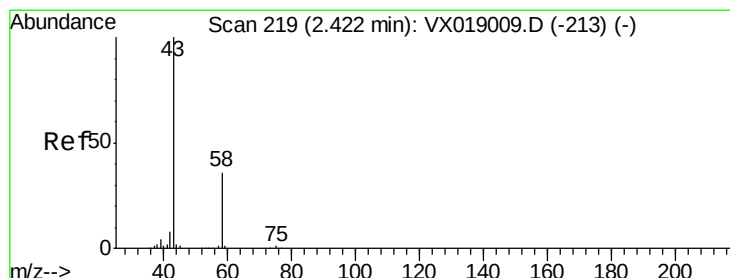
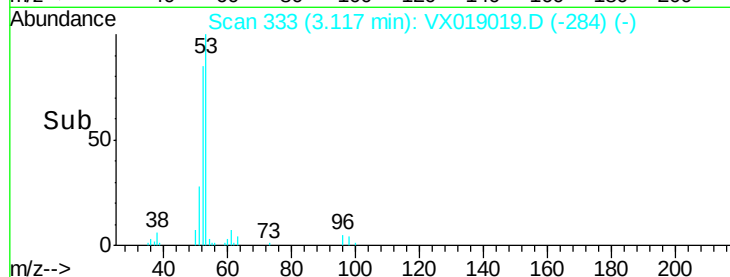
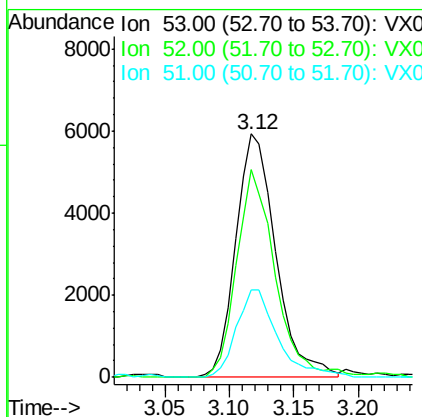
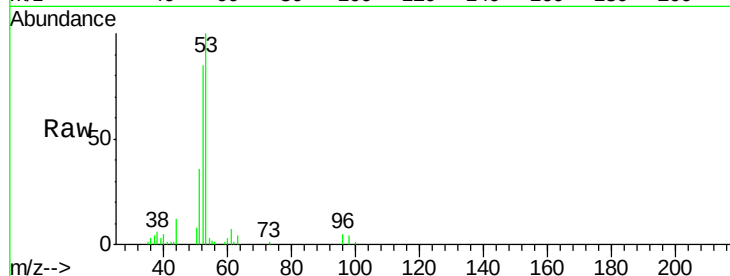
#15
 Acrylonitrile
 Concen: 11.813 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VX019019.D
 Acq: 22 Oct 2020 12:16

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

Tot Ion:	53	Resp:	12789
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.9	98.9
51	37.1	28.3	42.5

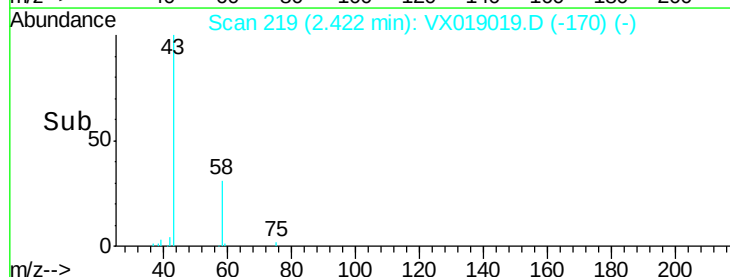
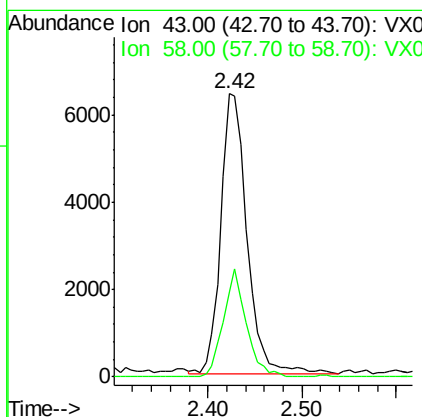
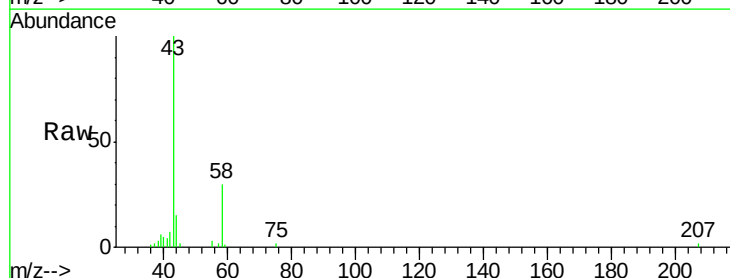
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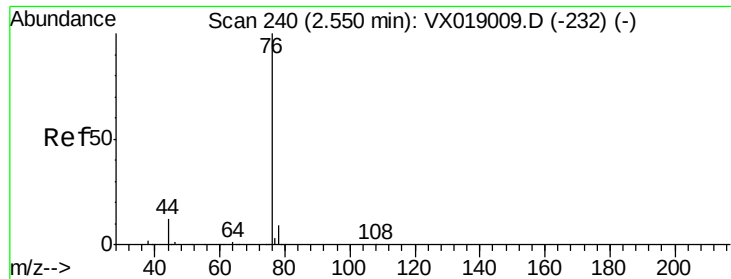
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#16
 Acetone
 Concen: 13.250 ug/l
 RT: 2.42 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VX019019.D
 Acq: 22 Oct 2020 12:16

Tgt Ion:	43	Resp:	12475
Ion	Ratio	Lower	Upper
43	100		
58	30.1	28.6	42.8





#17

Carbon Disulfide

Concen: 2.208 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 76 Resp: 14301

Ion Ratio Lower Upper

76 100

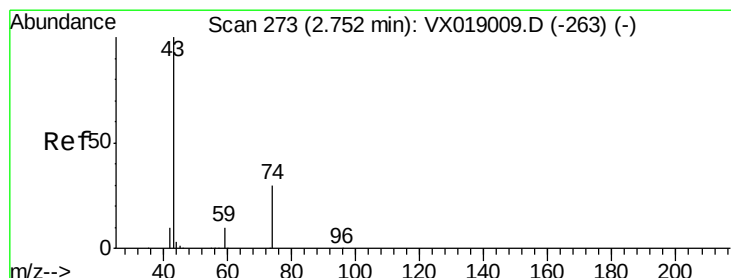
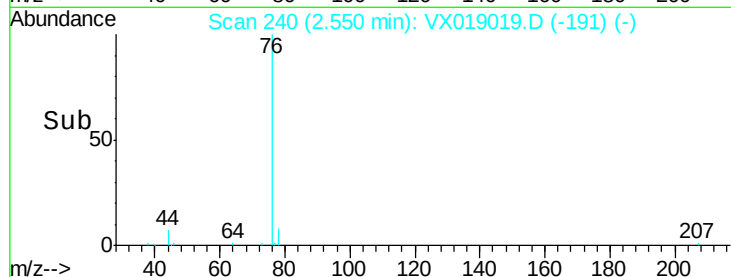
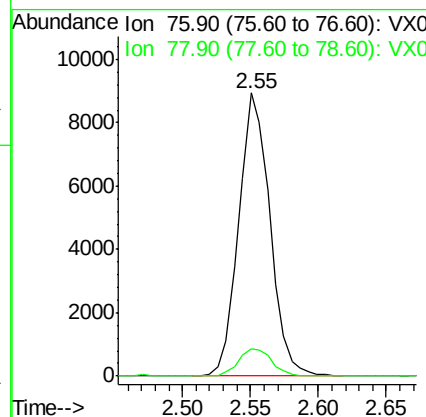
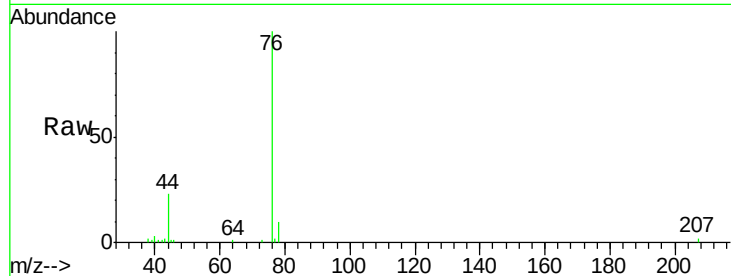
78 9.5 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 2.422 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX019019.D

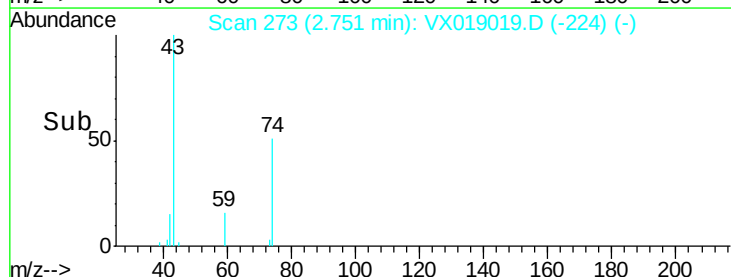
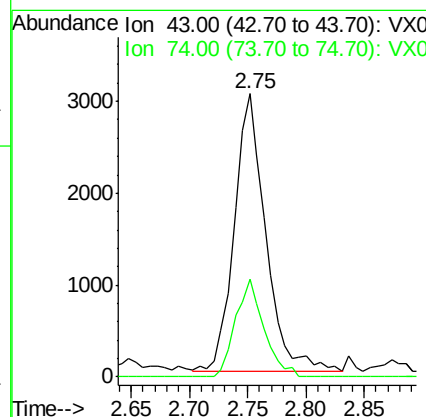
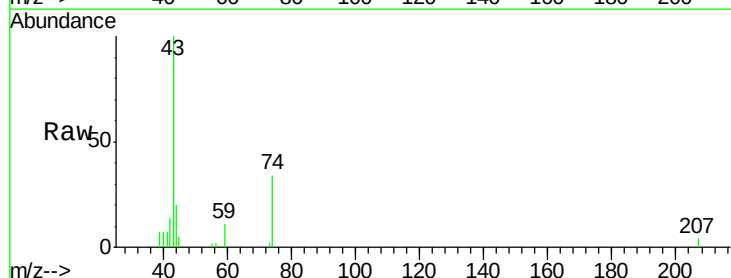
Acq: 22 Oct 2020 12:16

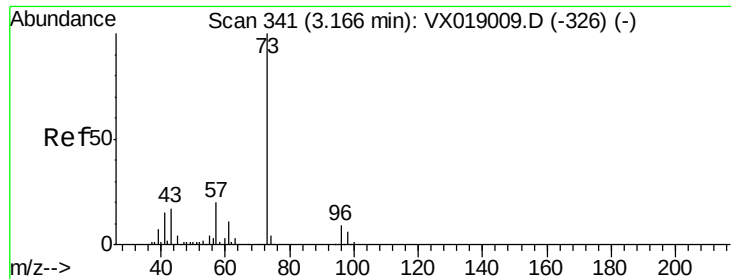
Tgt Ion: 43 Resp: 5658

Ion Ratio Lower Upper

43 100

74 31.9 24.9 37.3





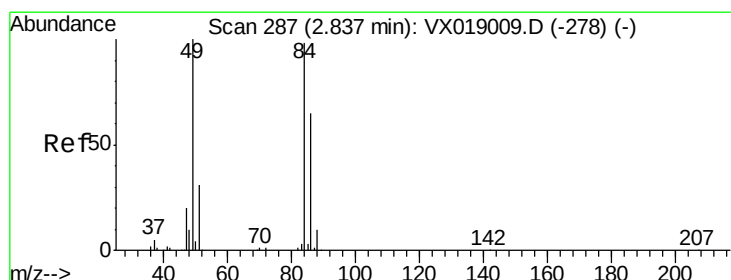
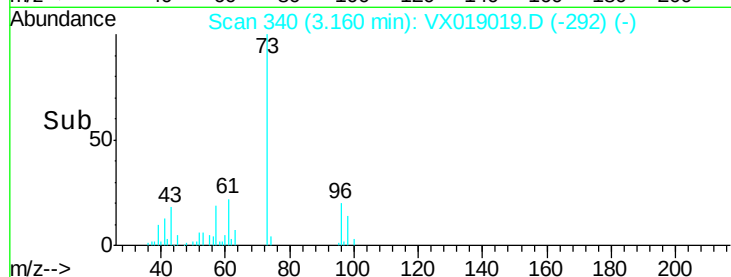
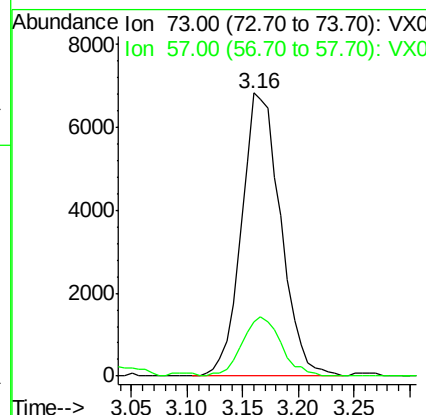
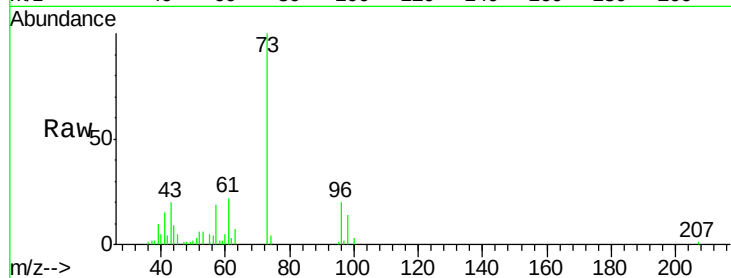
#19
Methyl tert-butyl Ether
Concen: 2.342 ug/l
RT: 3.16 min Scan# 340
Delta R.T. -0.01 min
Lab File: VX019019.D
Acq: 22 Oct 2020 12:16

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

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.4	16.2	24.2

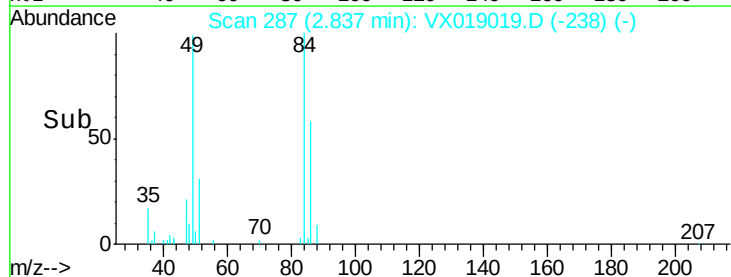
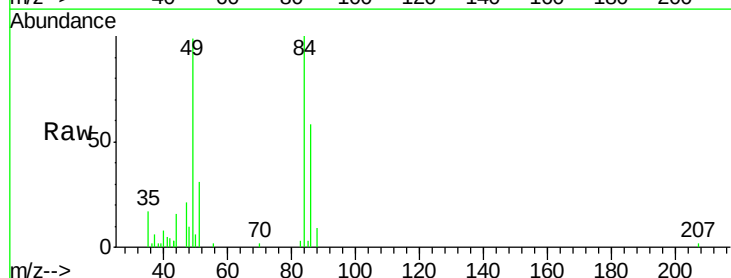
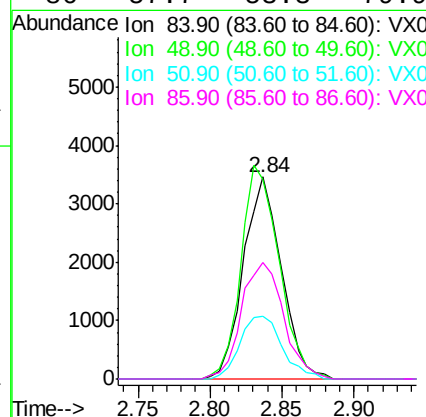
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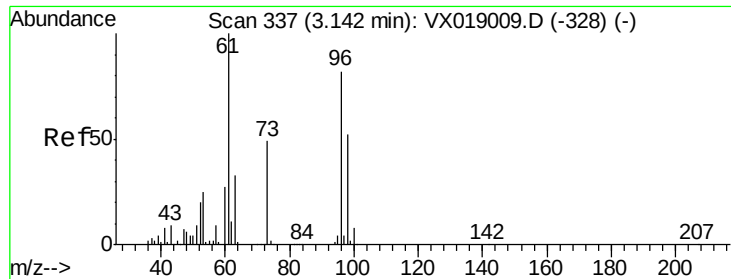
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#20
Methylene Chloride
Concen: 2.417 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX019019.D
Acq: 22 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	98.8	81.6	122.4
51	31.2	25.6	38.4
86	57.7	53.3	79.9





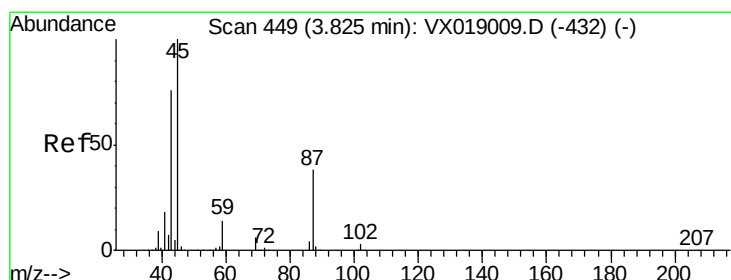
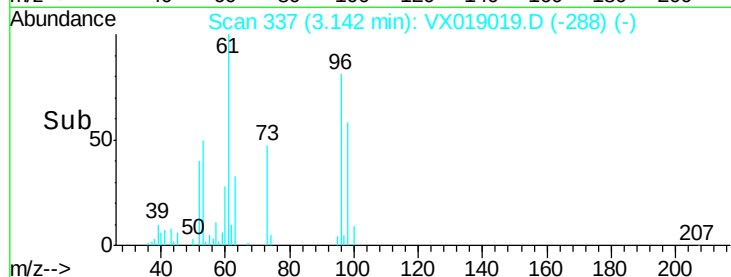
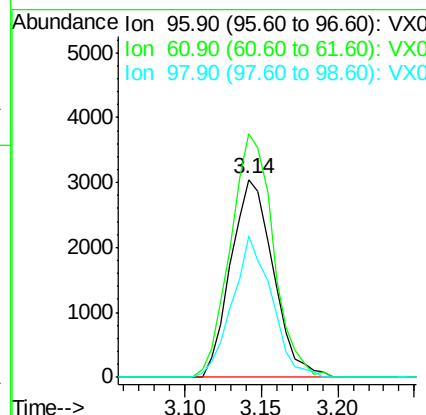
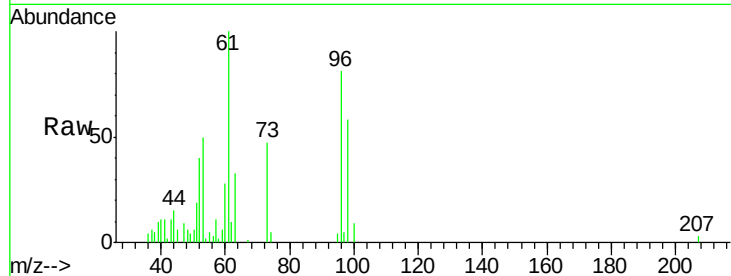
#21
trans-1,2-Dichloroethene
Concen: 2.244 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX019019.D
Acq: 22 Oct 2020 12:16

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.0	97.8	146.6
98	71.6	50.7	76.1

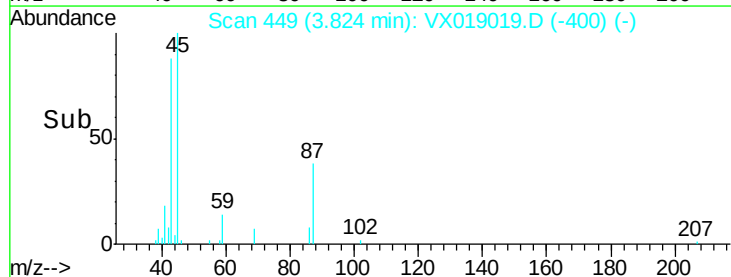
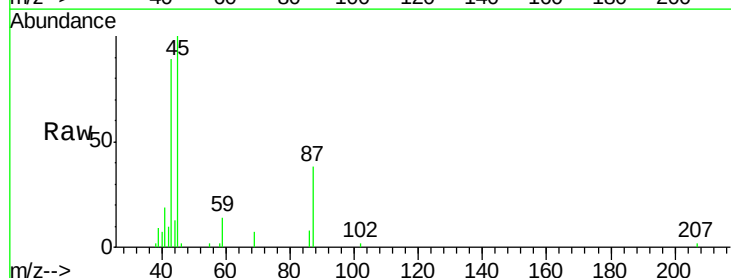
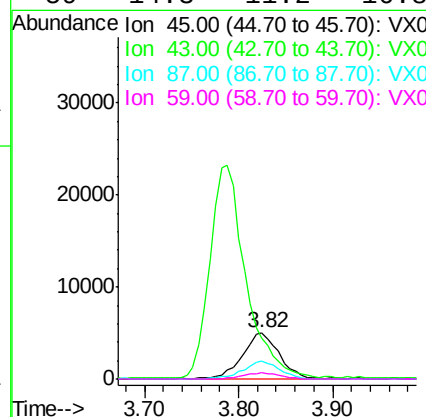
Manual Integrations
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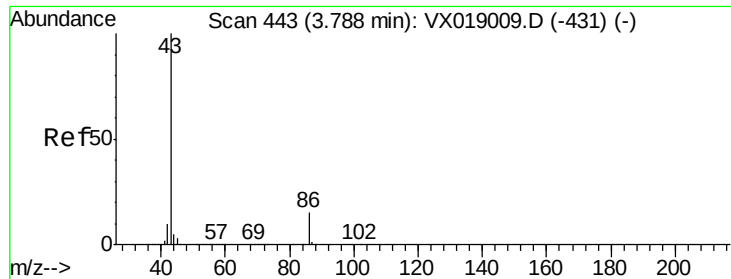
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#22
Diisopropyl ether
Concen: 2.408 ug/l
RT: 3.82 min Scan# 449
Delta R.T. -0.00 min
Lab File: VX019019.D
Acq: 22 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	86.4	60.4	90.6
87	37.9	30.4	45.6
59	14.3	11.2	16.8





#23

Vinyl Acetate

Concen: 11.270 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 61317

Ion Ratio Lower Upper

43 100

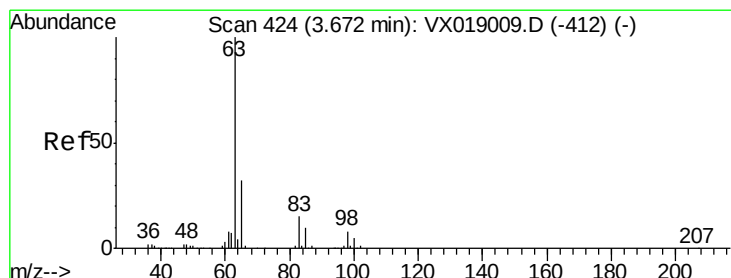
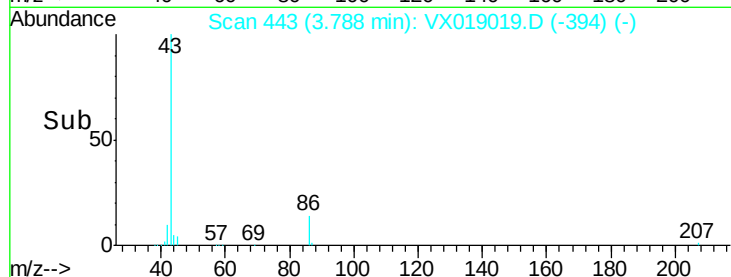
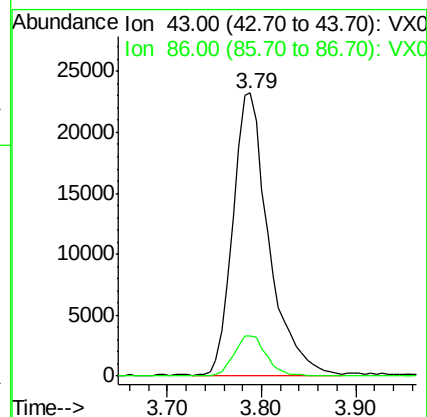
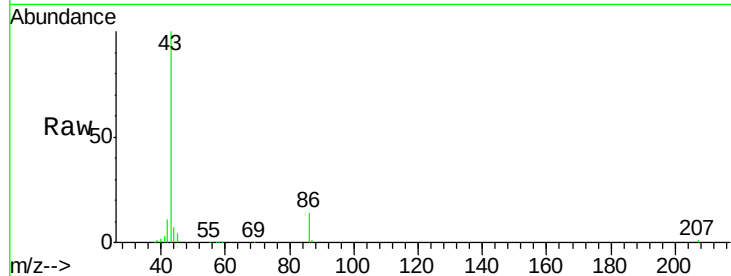
86 14.4 11.7 17.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 2.379 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

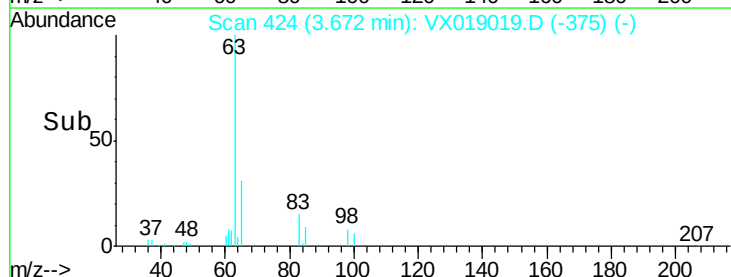
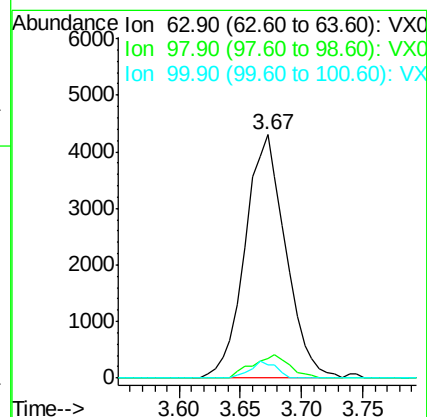
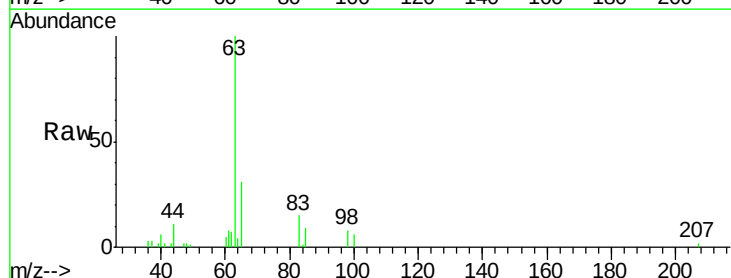
Tgt Ion: 63 Resp: 9926

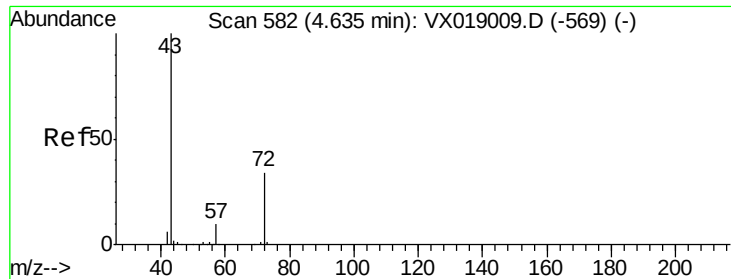
Ion Ratio Lower Upper

63 100

98 8.2 4.0 12.0

100 5.6 2.5 7.4





#25

2-Butanone

Concen: 12.117 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 18027

Ion Ratio Lower Upper

43 100

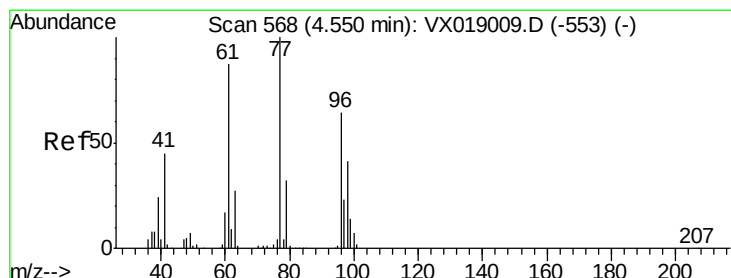
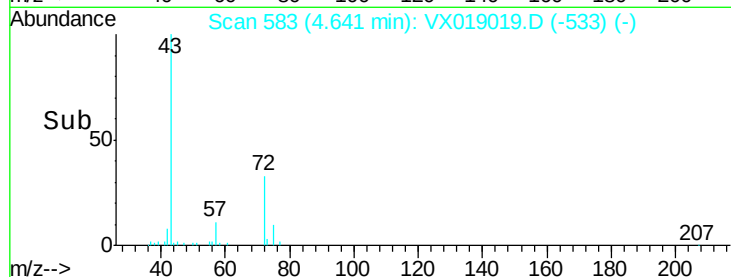
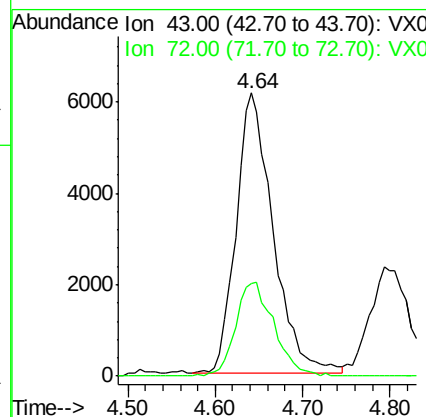
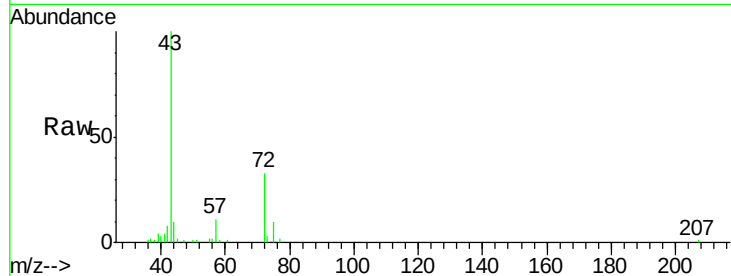
72 33.0 27.8 41.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 2.360 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX019019.D

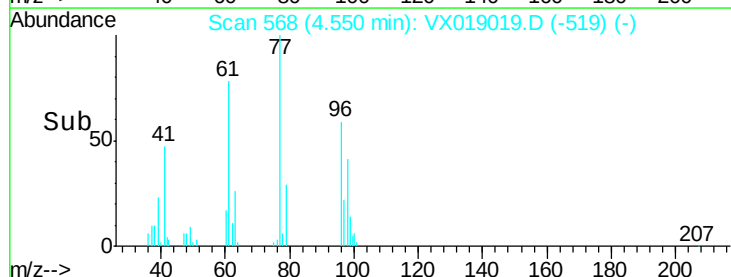
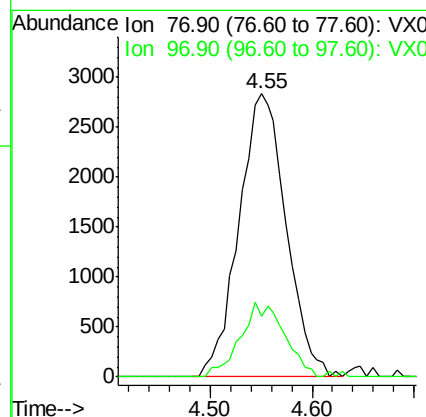
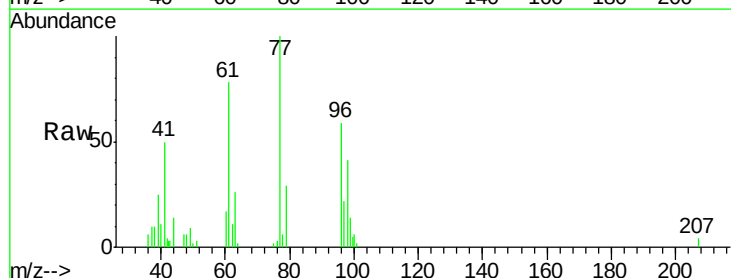
Acq: 22 Oct 2020 12:16

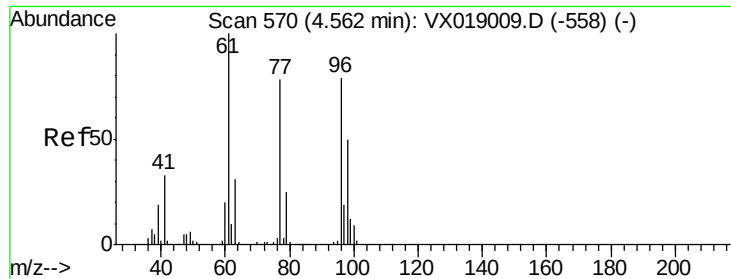
Tgt Ion: 77 Resp: 9093

Ion Ratio Lower Upper

77 100

97 24.6 11.9 35.7





#27

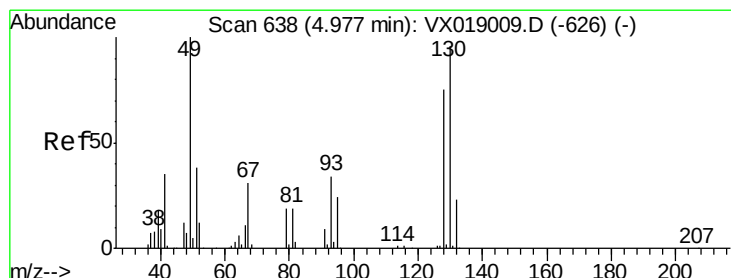
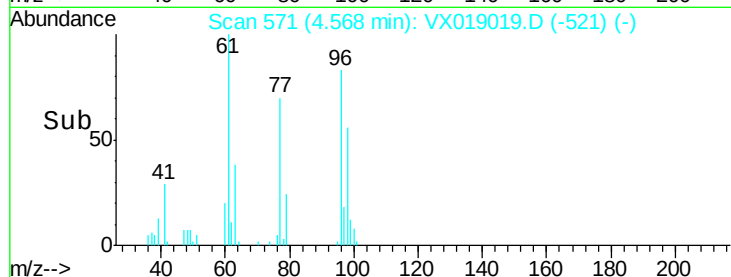
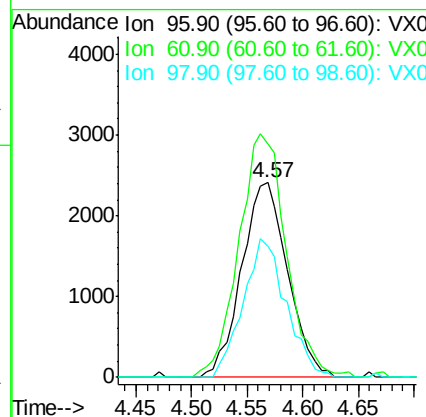
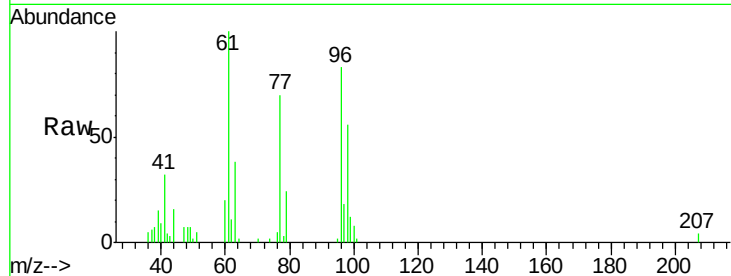
cis-1,2-Dichloroethene
Concen: 2.332 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX019019.D
Acq: 22 Oct 2020 12:16

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

Tot Ion	Ratio	Resp	Lower	Upper
96	100	6937		
61	128.9		0.0	260.0
98	66.2		0.0	131.4

Manual Integrations
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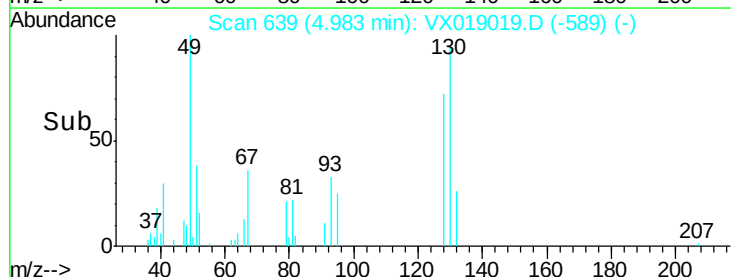
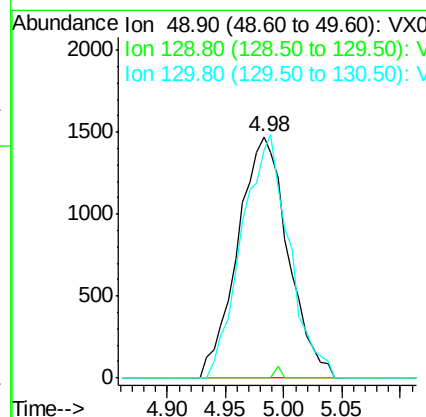
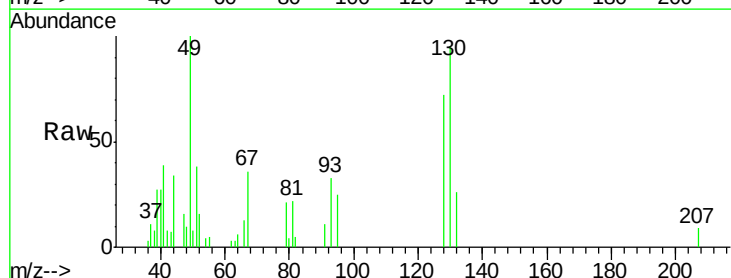
MMDadoda
10/23/2020 12:05:17 PM

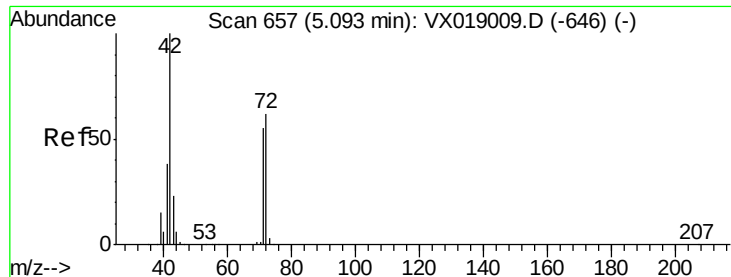


#28

Bromochloromethane
Concen: 2.499 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX019019.D
Acq: 22 Oct 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	4428		
129	0.6		0.0	5.2
130	94.9		79.0	118.6





#29

Tetrahydrofuran

Concen: 11.436 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

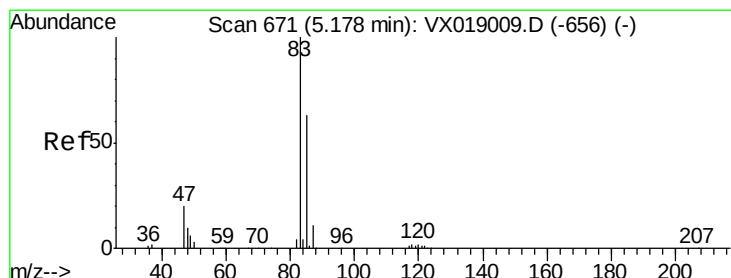
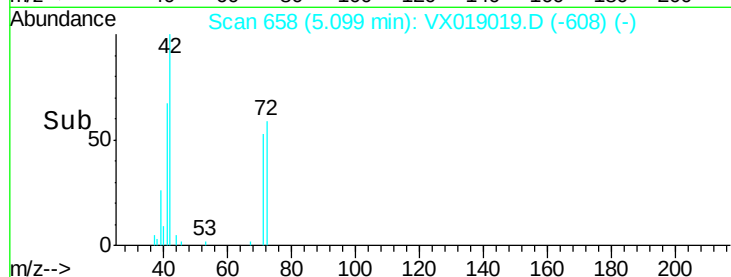
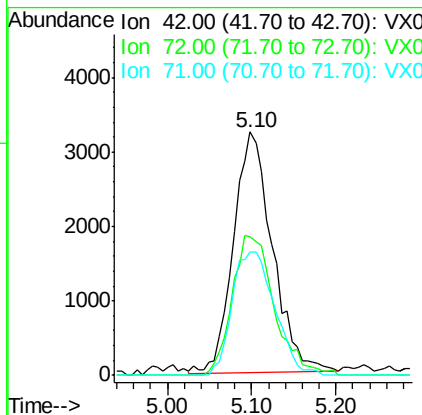
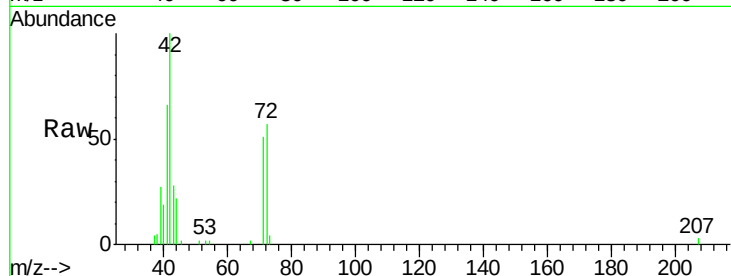
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	42	Resp:	10169
Ion	Ratio	Lower	Upper
42	100		
72	62.9	49.1	73.7
71	56.0	44.2	66.4

Manual Integrations
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10/23/2020 12:05:17 PM



#30

Chloroform

Concen: 2.420 ug/l

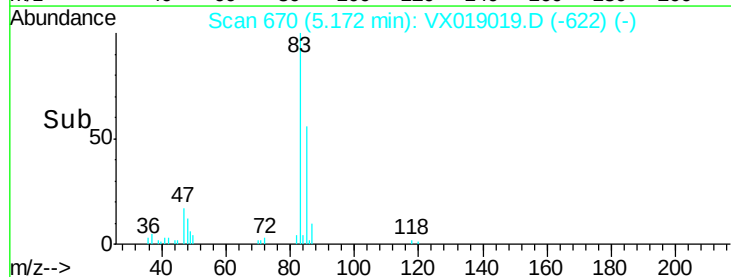
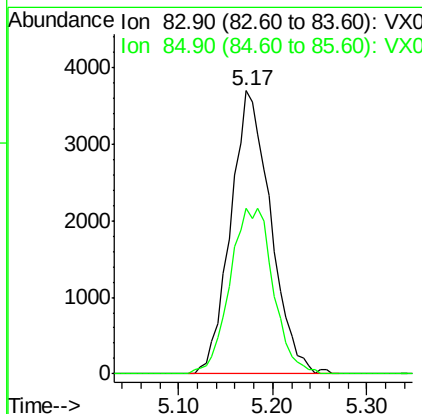
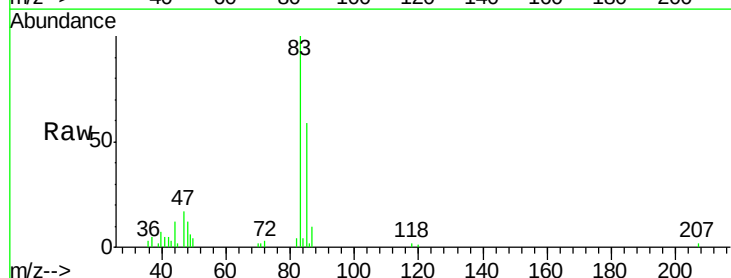
RT: 5.17 min Scan# 670

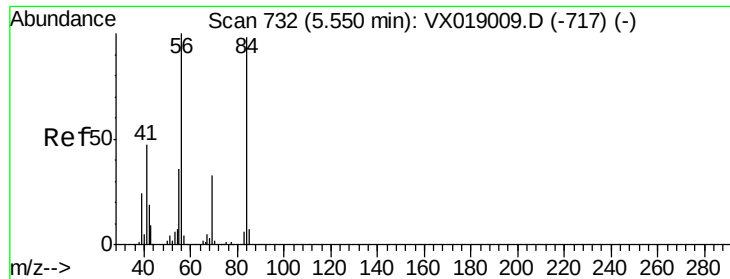
Delta R.T. -0.01 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Tgt Ion:	83	Resp:	10963
Ion	Ratio	Lower	Upper
83	100		
85	58.6	50.5	75.7





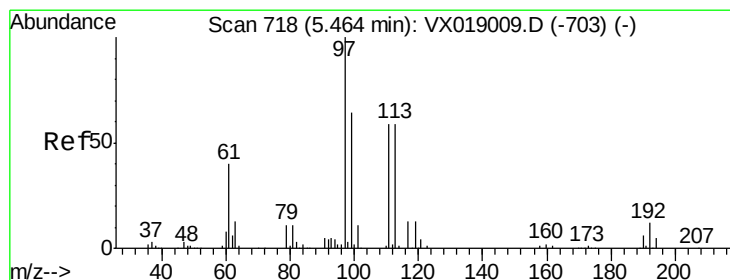
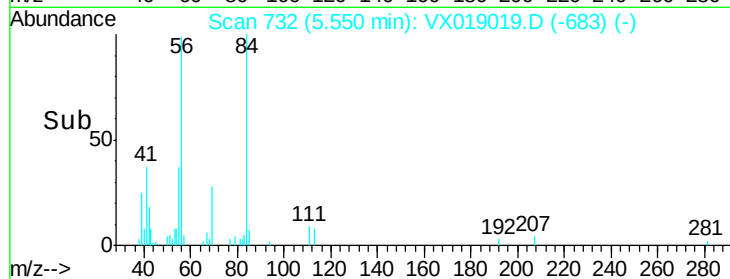
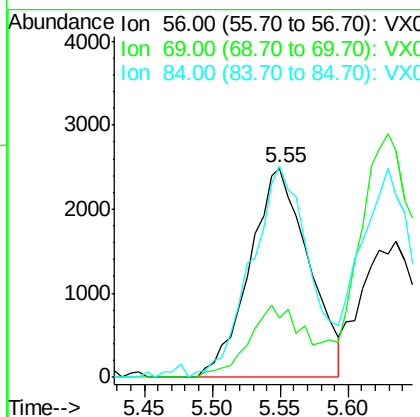
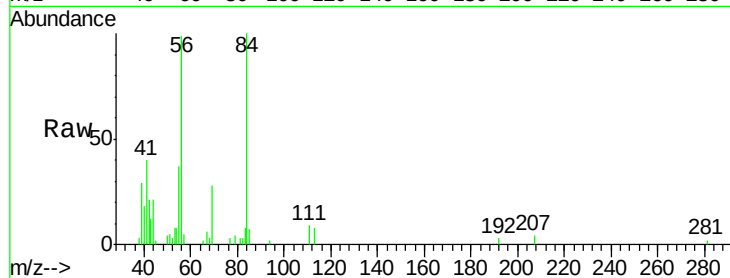
#31
Cyclohexane
Concen: 2.326 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX019019.D
Acq: 22 Oct 2020 12:16

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

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.0	26.2	39.2
84	100.8	78.3	117.5

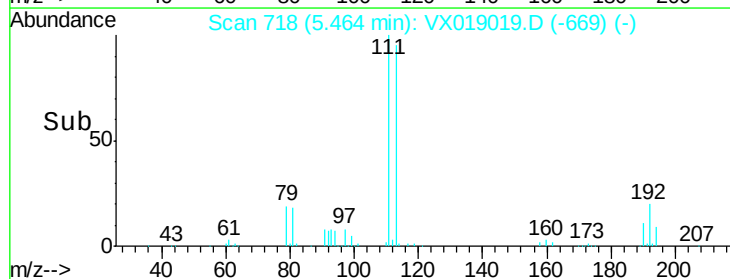
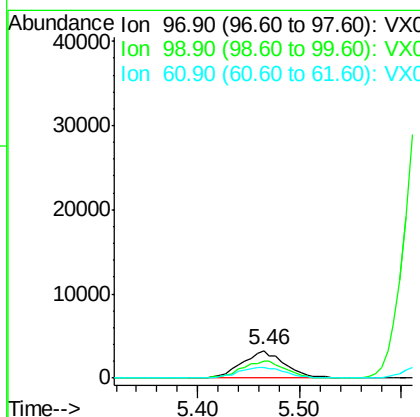
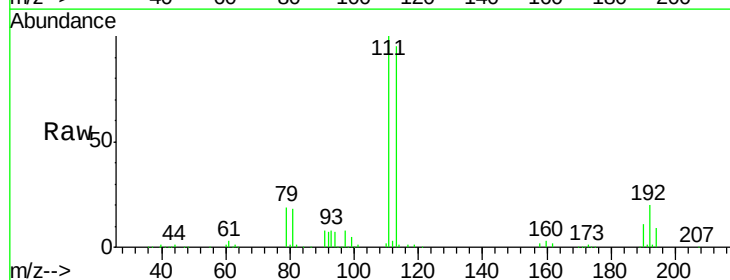
Manual Integrations
APPROVED

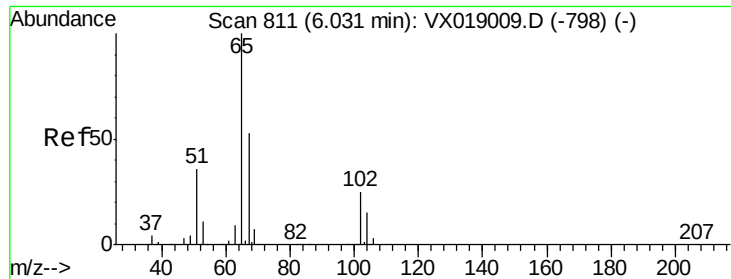
MMDadoda
10/23/2020 12:05:17 PM



#32
1,1,1-Trichloroethane
Concen: 2.273 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX019019.D
Acq: 22 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.3	76.9
61	43.3	31.9	47.9





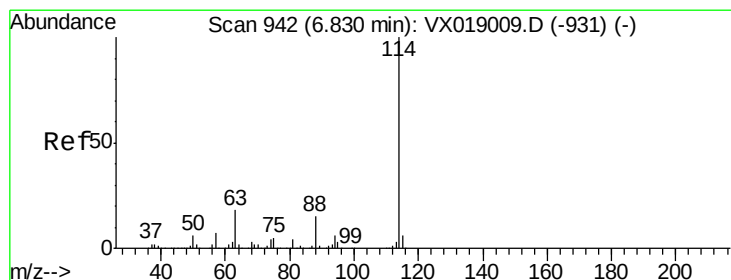
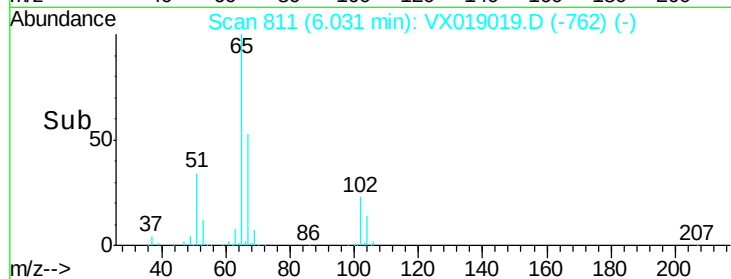
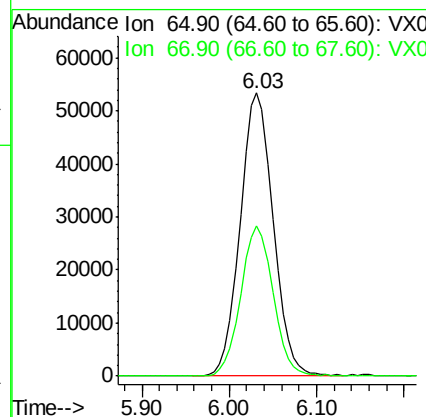
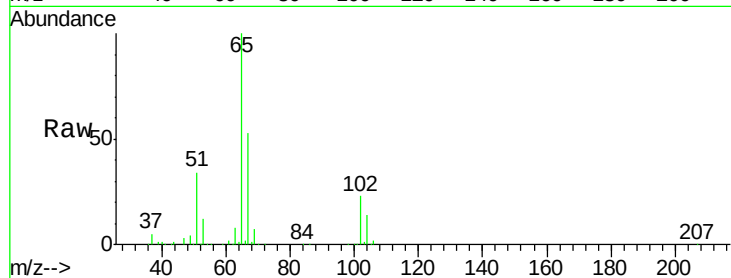
#33
 1,2-Dichloroethane-d4
 Concen: 50.744 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX019019.D
 Acq: 22 Oct 2020 12:16

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

Tot Ion	Ratio	Resp	Lower	Upper
65	100	140270		
67	52.2	0.0	107.0	

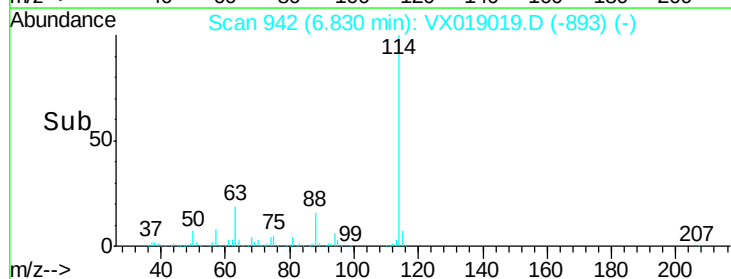
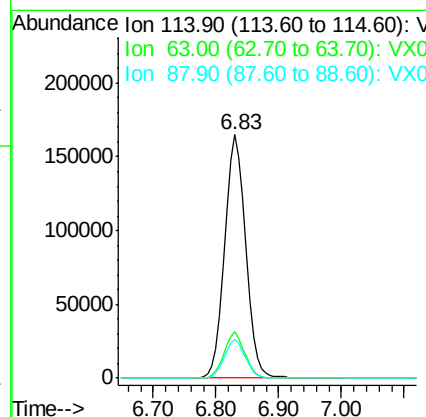
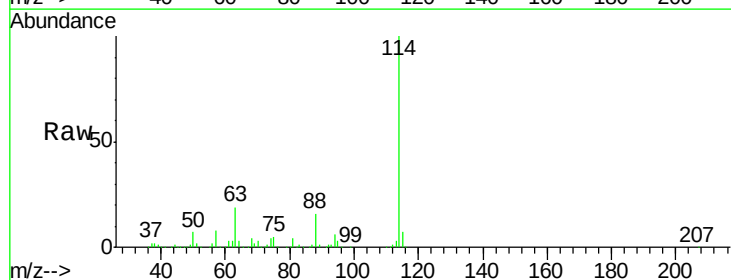
Manual Integrations
 APPROVED

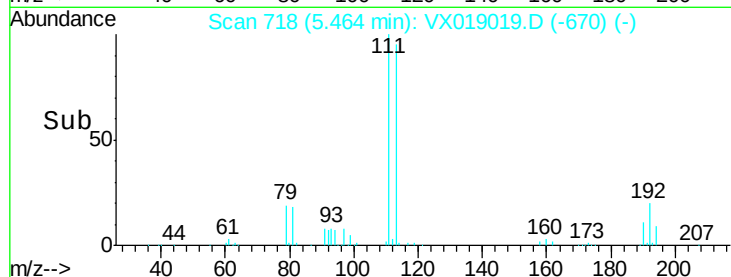
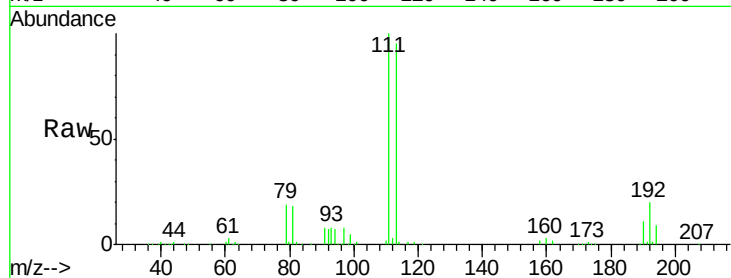
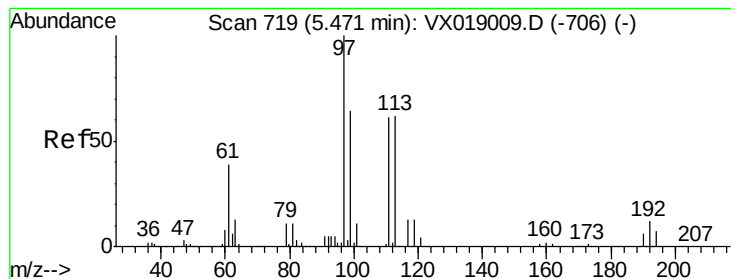
MMDadoda
 10/23/2020 12:05:17 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019019.D
 Acq: 22 Oct 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	384742		
63	18.9	0.0	36.8	
88	15.8	0.0	30.2	





#35

Dibromofluoromethane

Concen: 48.527 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Tot Ion:	113	Resp:	118209
Ion Ratio	Lower	Upper	
113	100		
111	102.7	81.5	122.3
192	20.1	16.3	24.5

Instrument :

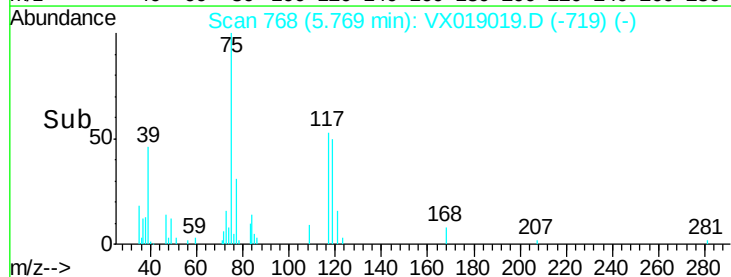
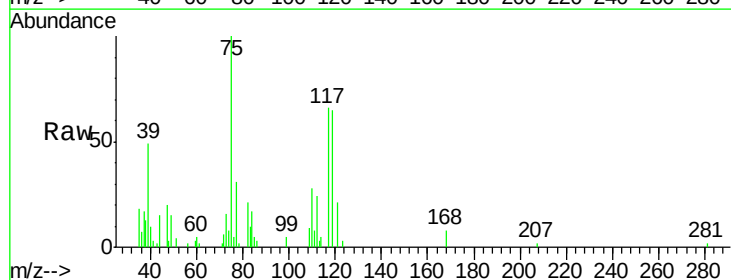
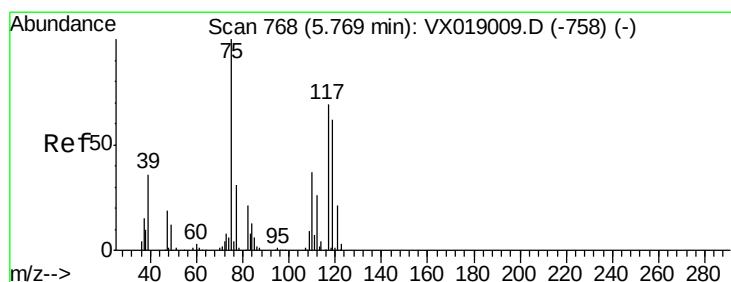
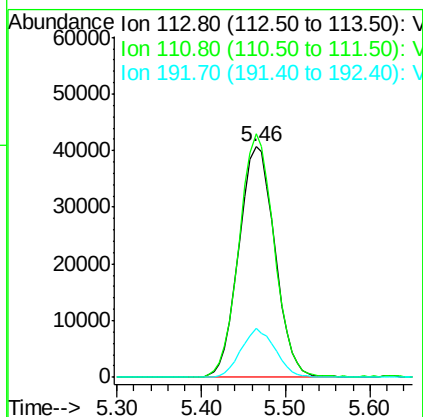
MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Manual Integrations
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10/23/2020 12:05:17 PM



#36

1,1-Dichloropropene

Concen: 2.408 ug/l

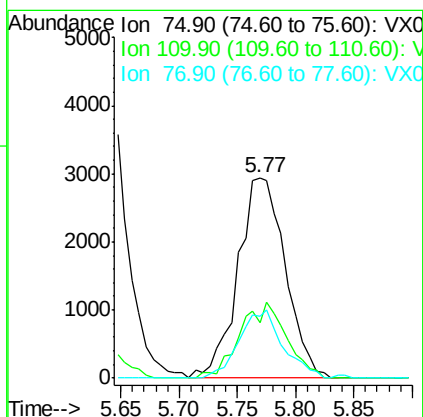
RT: 5.77 min Scan# 768

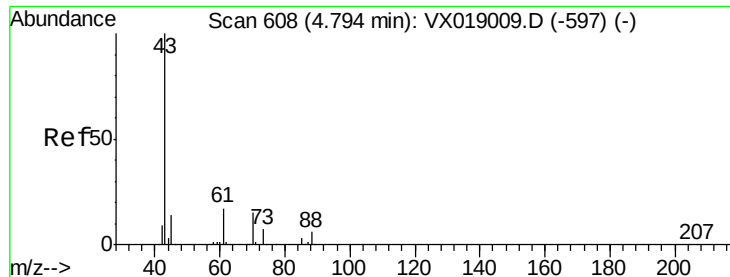
Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Tgt Ion:	75	Resp:	8312
Ion Ratio	Lower	Upper	
75	100		
110	37.2	19.4	58.2
77	31.3	25.2	37.8





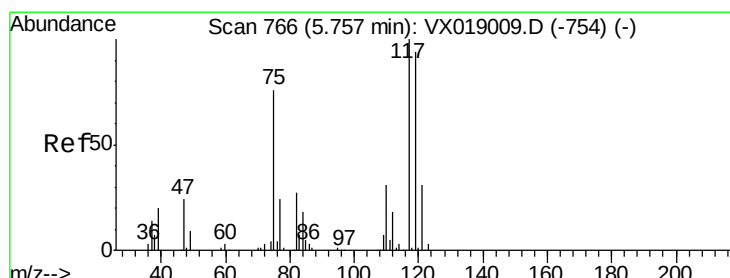
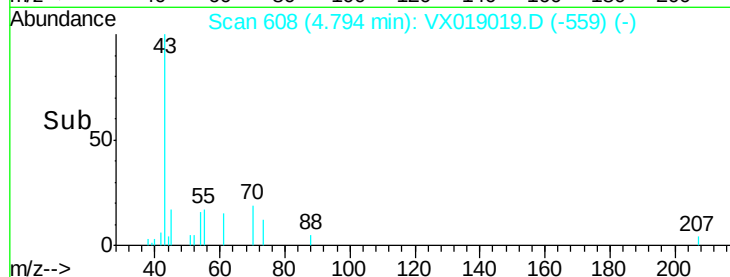
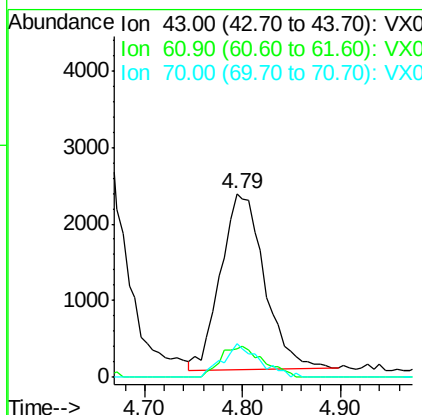
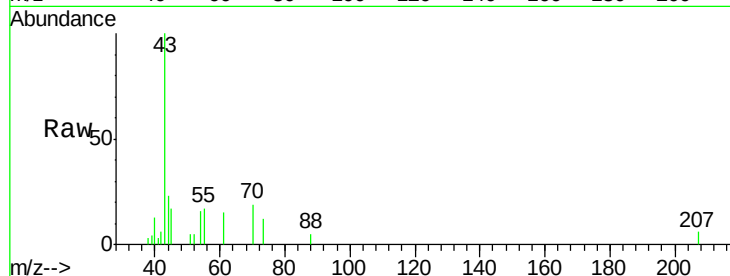
#37
Ethyl Acetate
Concen: 2.418 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX019019.D
Acq: 22 Oct 2020 12:16

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.2	13.8	20.8
70	16.1	11.4	17.2

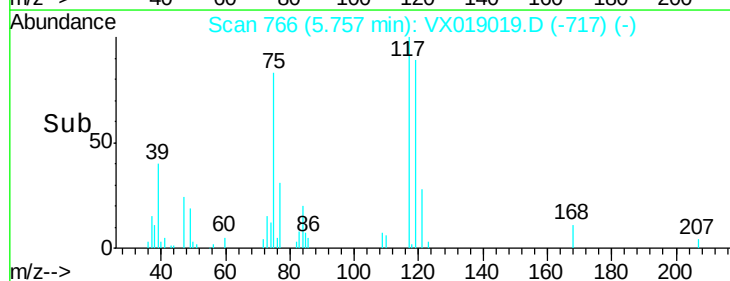
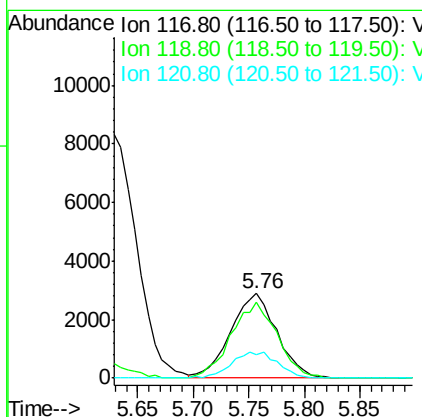
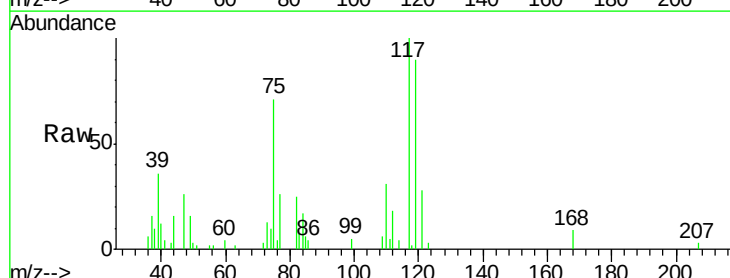
Manual Integrations
APPROVED

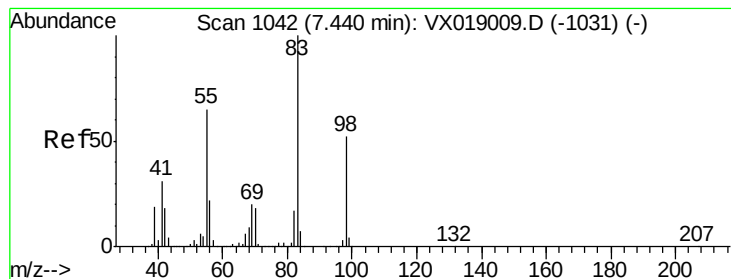
MMDadoda
10/23/2020 12:05:17 PM



#38
Carbon Tetrachloride
Concen: 2.300 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX019019.D
Acq: 22 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.2	75.4	113.0
121	28.1	25.0	37.6





#39

Methylvlcyclohexane

Concen: 2.305 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

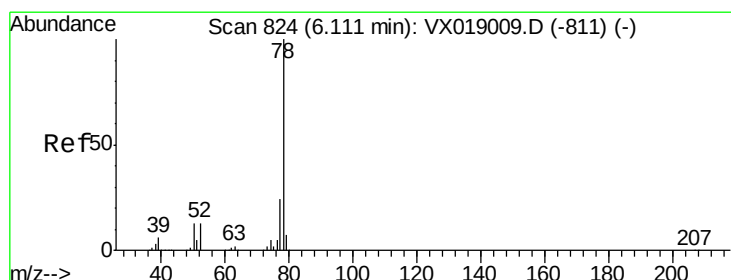
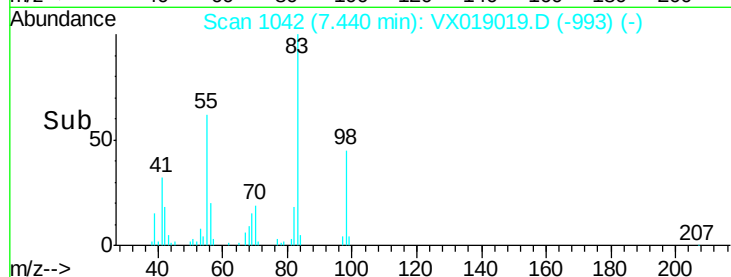
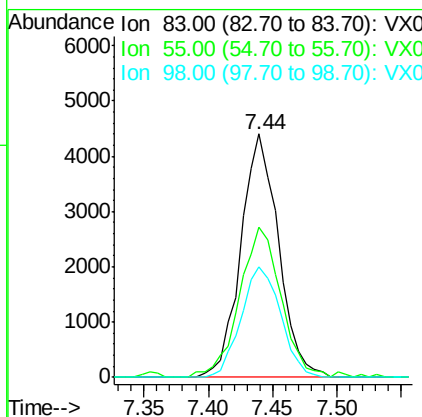
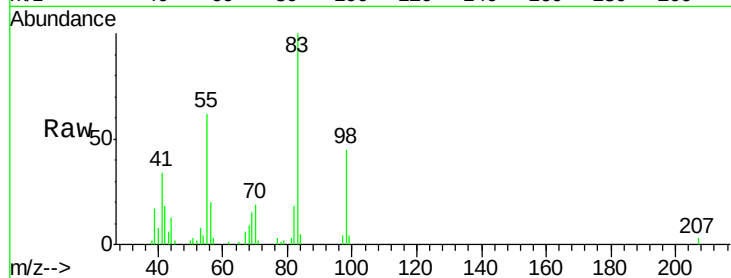
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	83	Resp:	8914
Ion	Ratio	Lower	Upper
83	100		
55	61.8	51.8	77.6
98	45.5	41.4	62.2

Manual Integrations
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MMDadoda
10/23/2020 12:05:17 PM



#40

Benzene

Concen: 2.326 ug/l

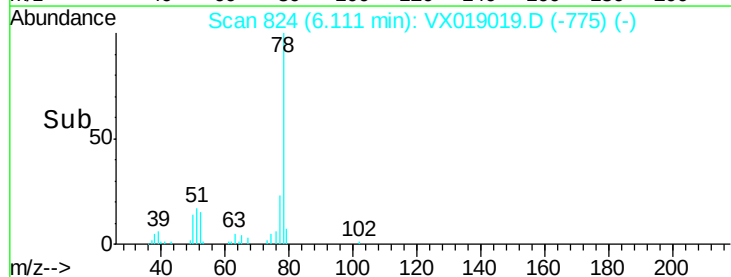
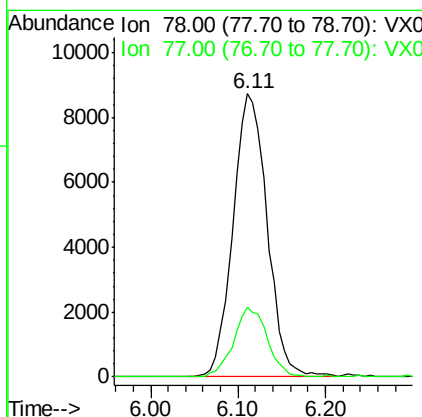
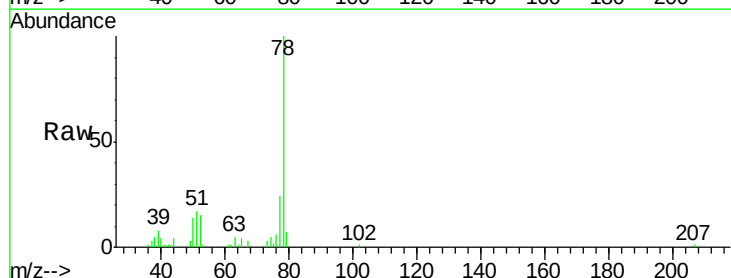
RT: 6.11 min Scan# 824

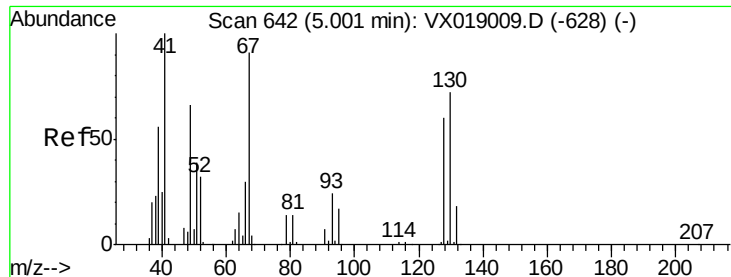
Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Tgt Ion:	78	Resp:	23652
Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.3	28.9





#41

Methacrylonitrile

Concen: 2.688 ug/l

RT: 5.01 min Scan# 643

Delta R.T. 0.01 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

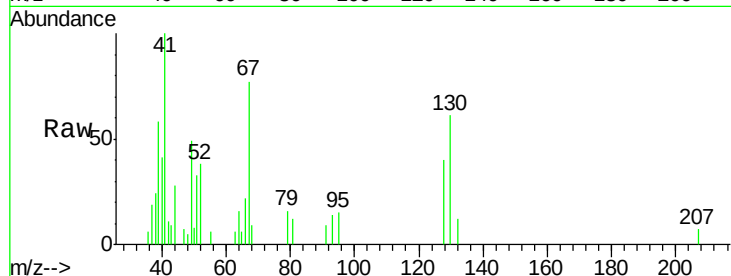
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	41	Resp:	4254
Ion	Ratio	Lower	Upper
41	100		
39	37.3	44.6	67.0#
67	86.0	76.1	114.1
52	31.6	28.3	42.5

Manual Integrations
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MMDadoda
10/23/2020 12:05:17 PM

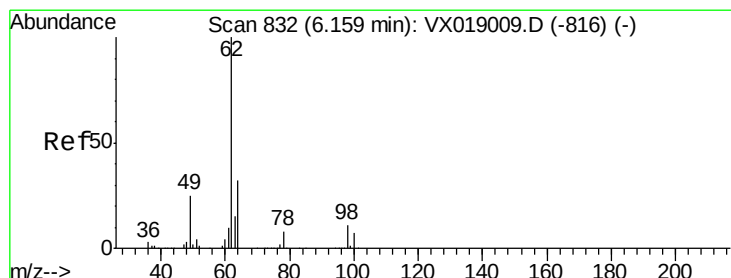
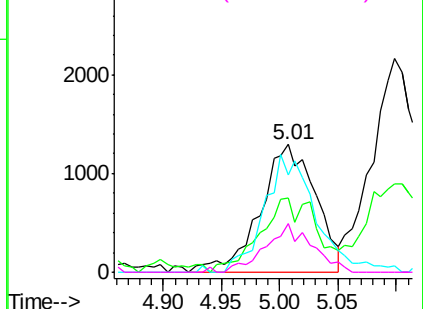
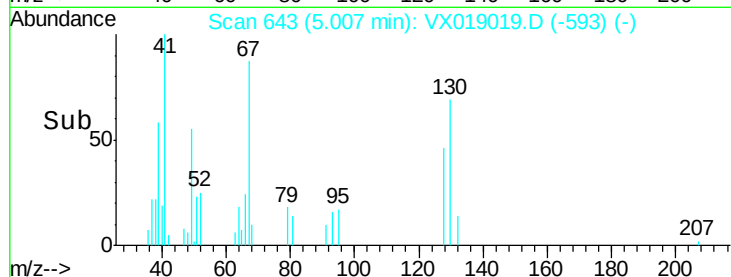


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 2.508 ug/l

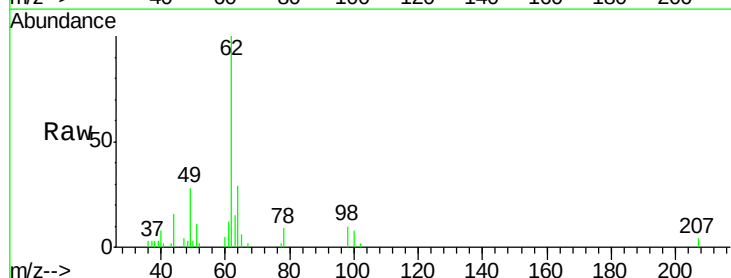
RT: 6.17 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX019019.D

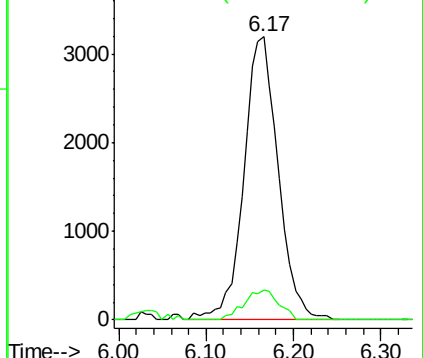
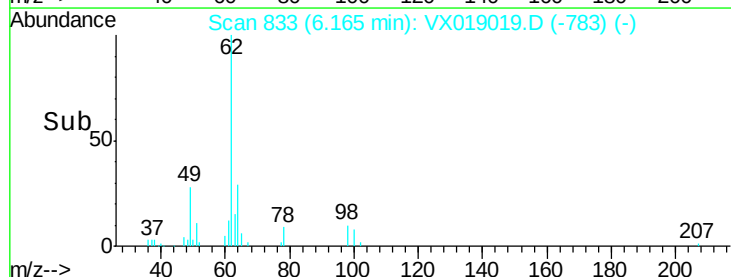
Acq: 22 Oct 2020 12:16

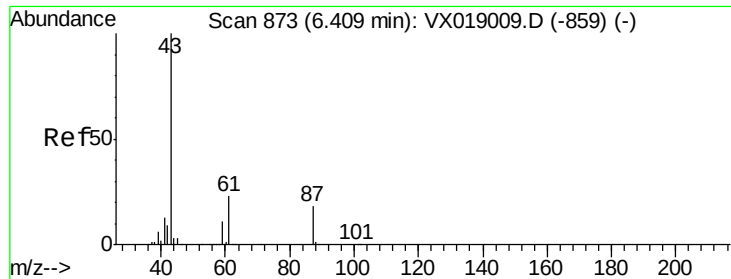
Tgt Ion:	62	Resp:	8704
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 2.373 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

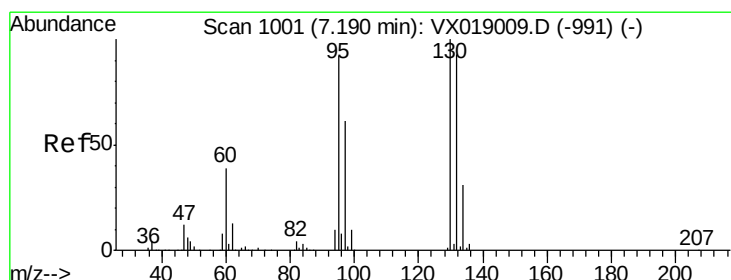
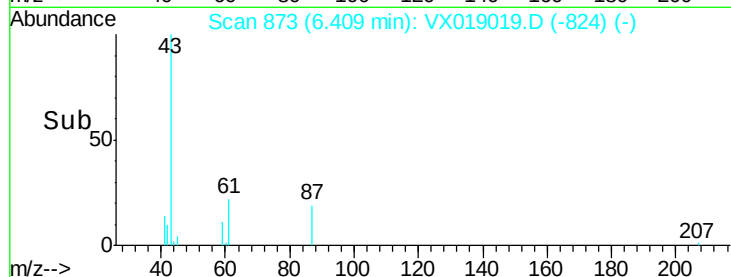
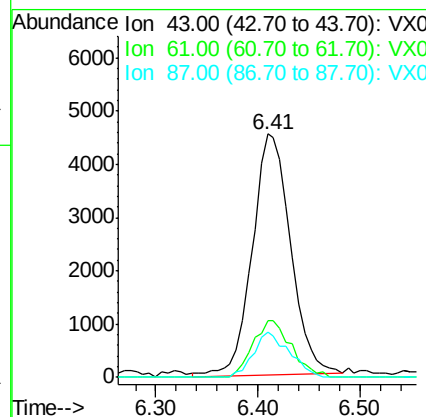
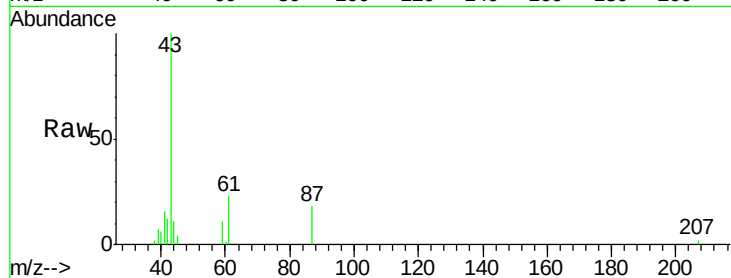
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	43	Resp:	11844
Ion	Ratio	Lower	Upper
43	100		
61	23.4	18.7	28.1
87	17.4	14.2	21.4

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#44

Trichloroethene

Concen: 2.381 ug/l

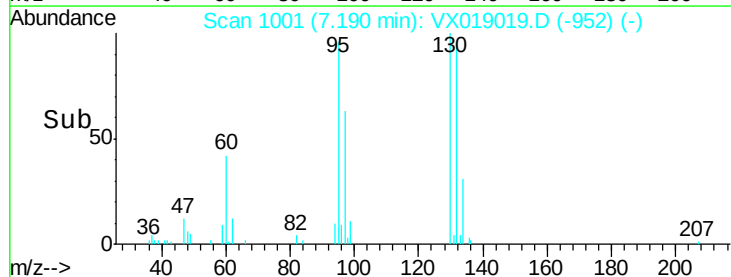
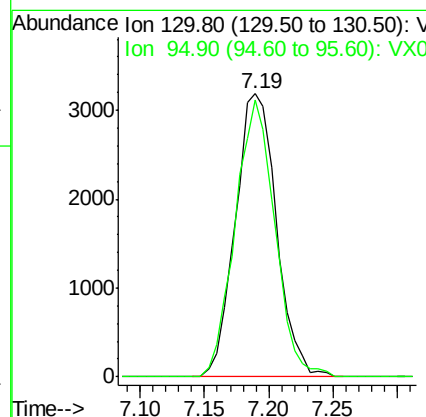
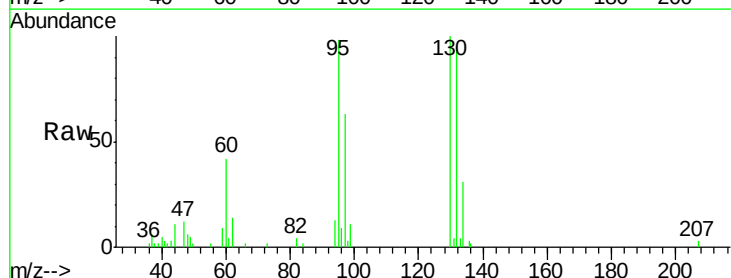
RT: 7.19 min Scan# 1001

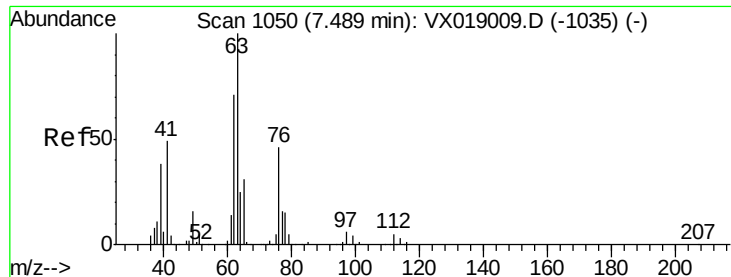
Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Tgt Ion:	130	Resp:	7060
Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	184.2





#45

1,2-Dichloropropane

Concen: 2.282 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 63 Resp: 5566

Ion Ratio Lower Upper

63 100

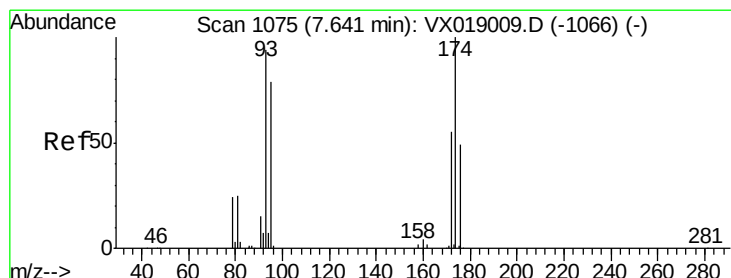
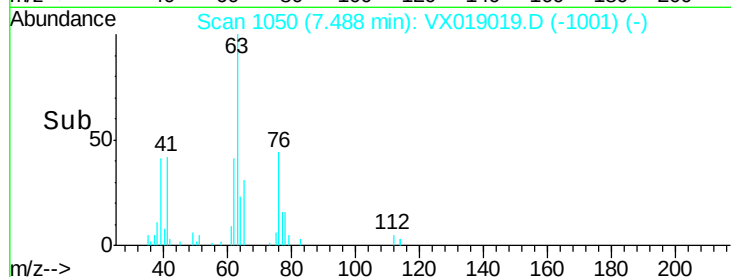
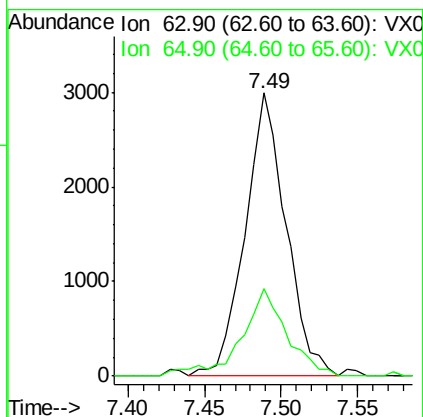
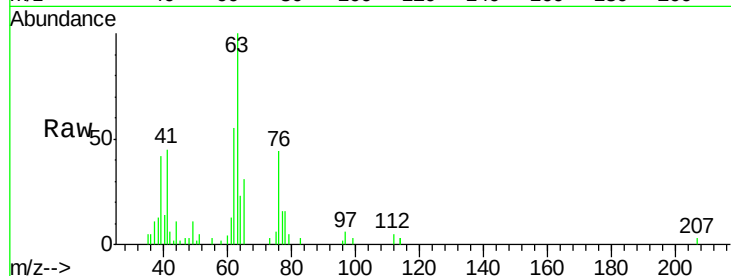
65 30.7 24.9 37.3

Manual Integrations

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#46

Dibromomethane

Concen: 2.317 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

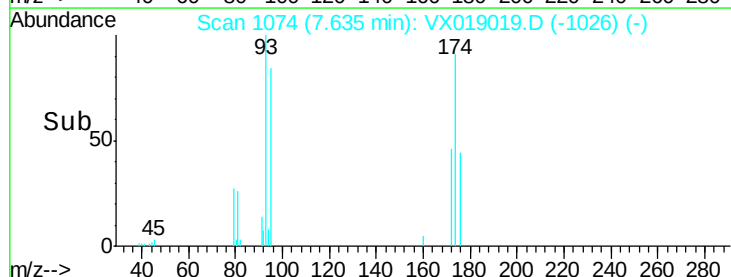
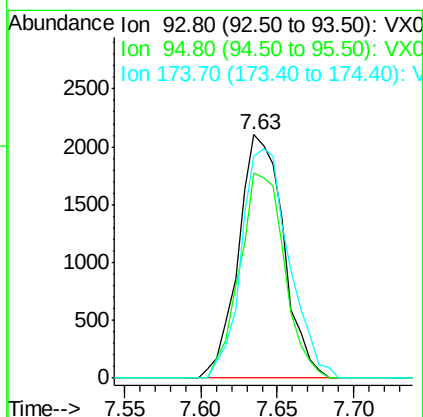
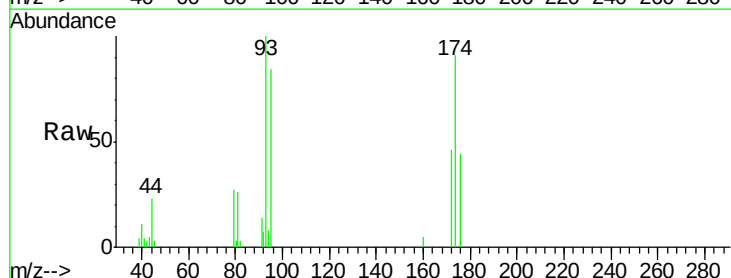
Tgt Ion: 93 Resp: 4304

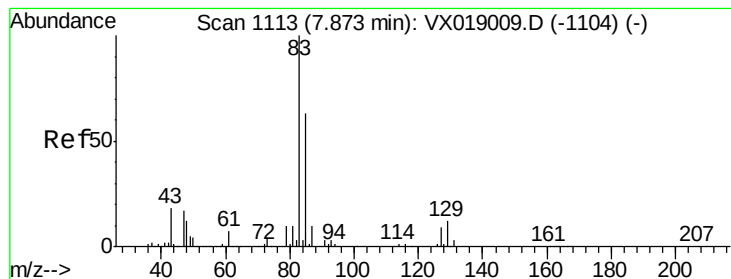
Ion Ratio Lower Upper

93 100

95 83.5 66.8 100.2

174 99.6 83.8 125.8





#47

Bromodichloromethane

Concen: 2.214 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

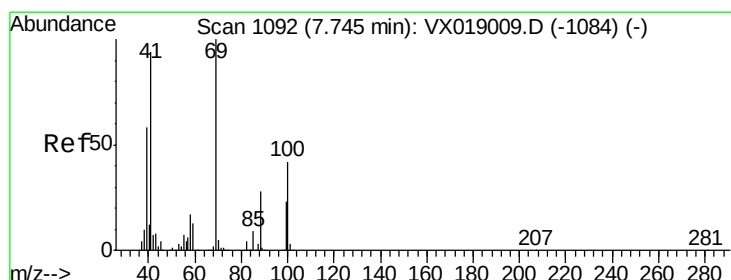
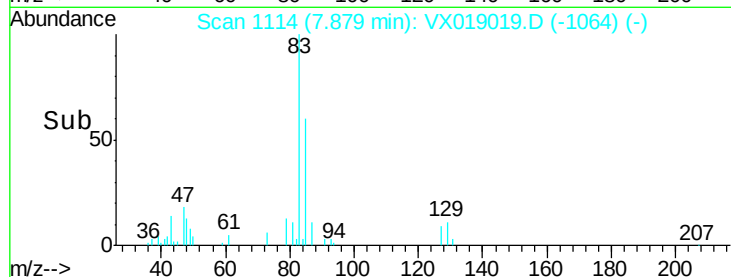
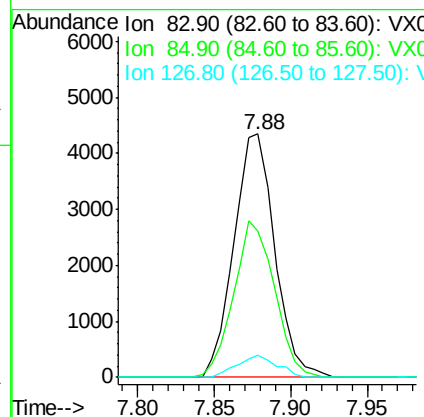
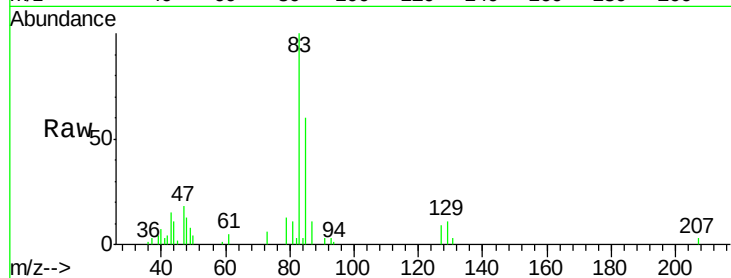
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	83	Resp:	8064
Ion	Ratio	Lower	Upper
83	100		
85	60.2	50.7	76.1
127	9.1	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 2.280 ug/l

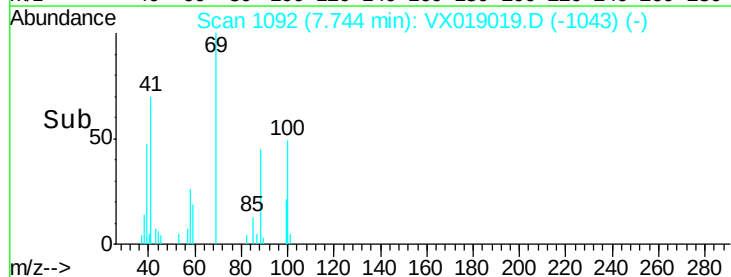
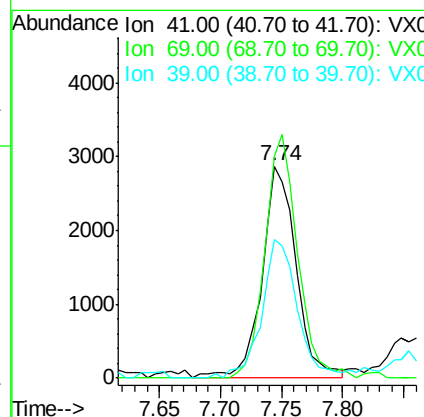
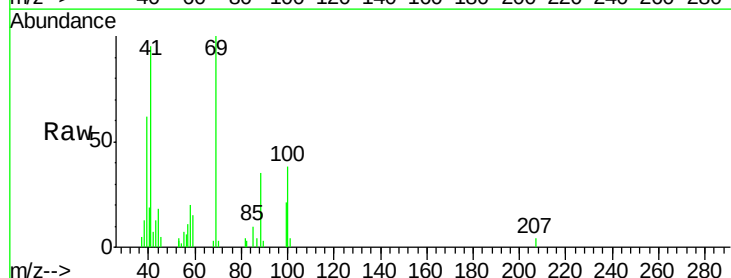
RT: 7.74 min Scan# 1092

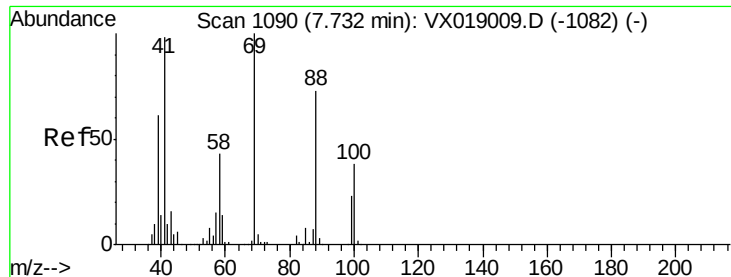
Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Tgt Ion:	41	Resp:	5607
Ion	Ratio	Lower	Upper
41	100		
69	109.8	85.5	128.3
39	67.6	49.3	73.9





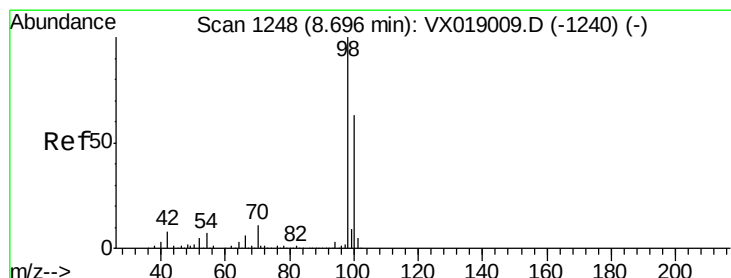
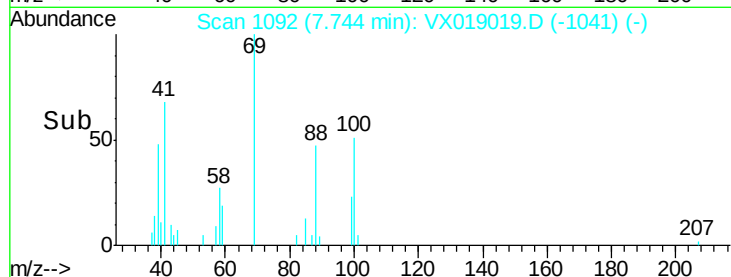
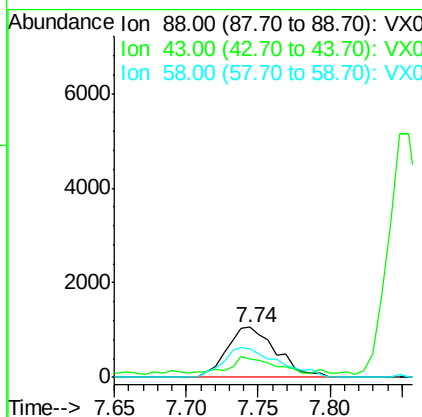
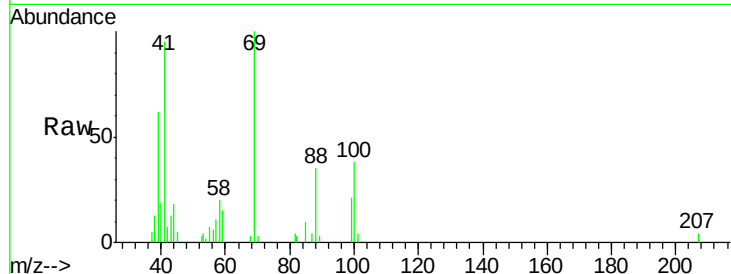
#49
1,4-Dioxane
Concen: 45.773 ug/l
RT: 7.74 min Scan# 1092
Delta R.T. 0.01 min
Lab File: VX019019.D
Acq: 22 Oct 2020 12:16

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.1	20.3	30.5
58	66.1	48.4	72.6

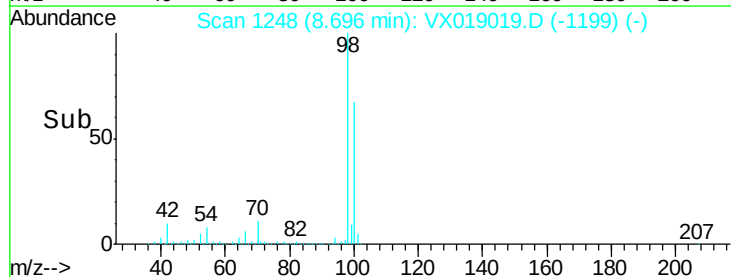
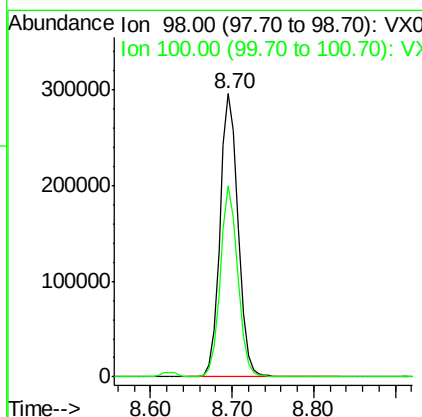
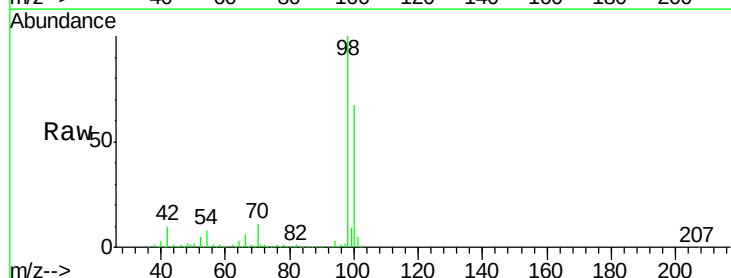
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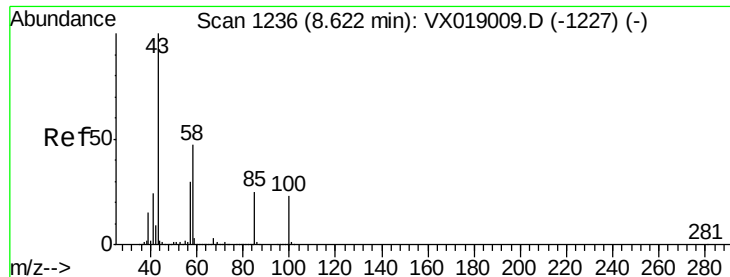
MMDadoda
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#50
Toluene-d8
Concen: 49.379 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019019.D
Acq: 22 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 11.522 ug/l

RT: 8.62 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 33880

Ion Ratio Lower Upper

43 100

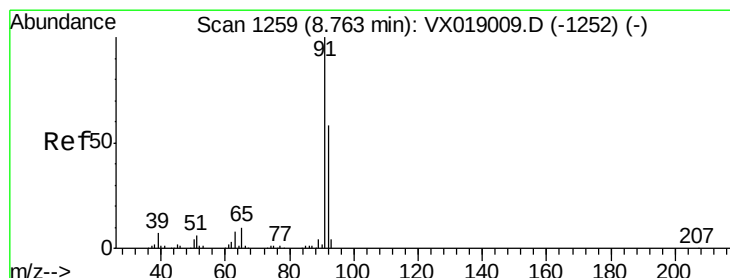
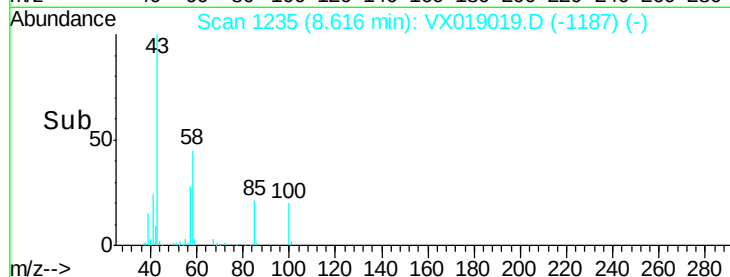
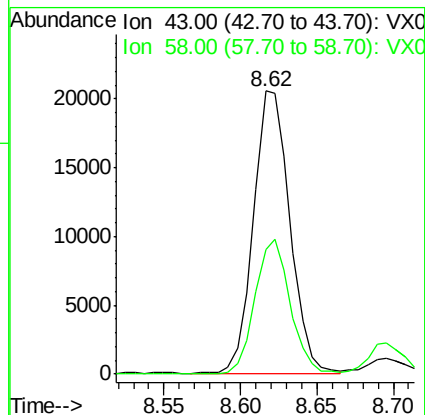
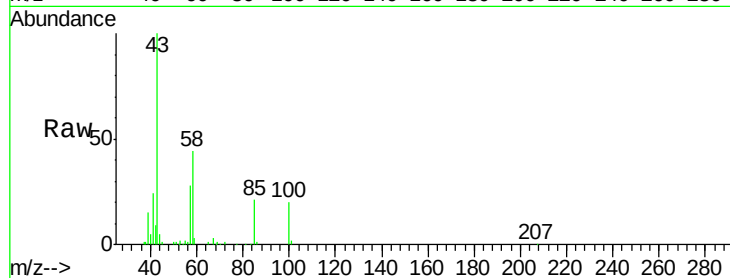
58 46.7 37.4 56.0

Manual Integrations

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#52

Toluene

Concen: 2.307 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX019019.D

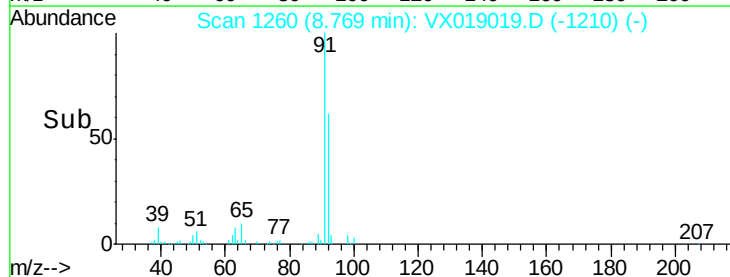
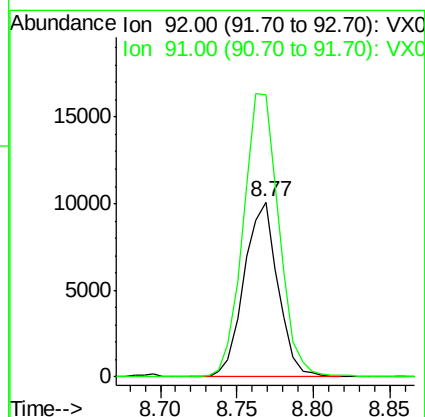
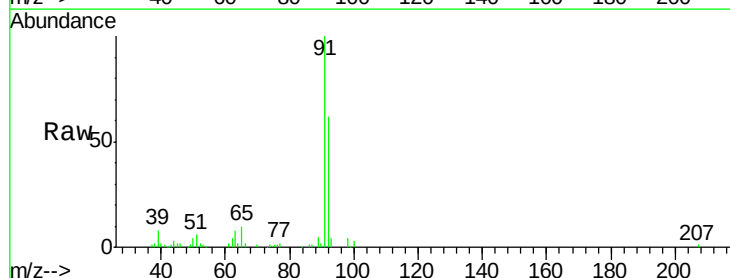
Acq: 22 Oct 2020 12:16

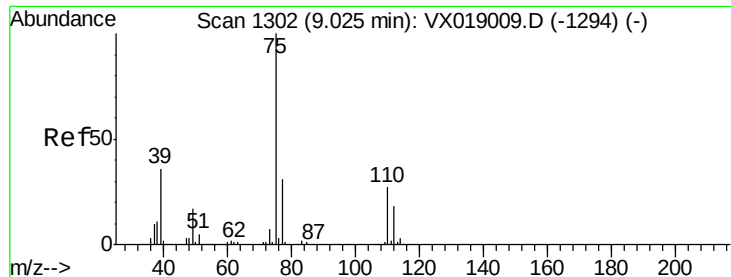
Tgt Ion: 92 Resp: 15490

Ion Ratio Lower Upper

92 100

91 171.6 138.6 208.0





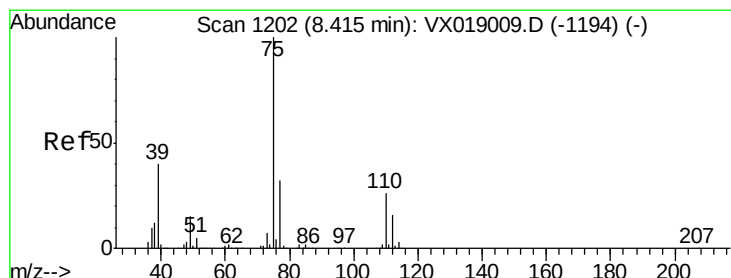
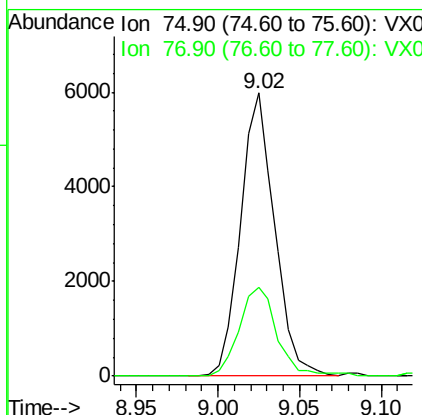
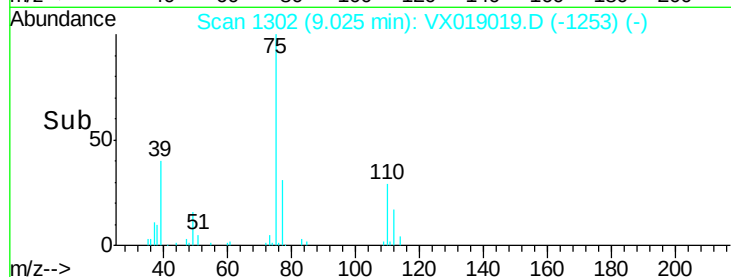
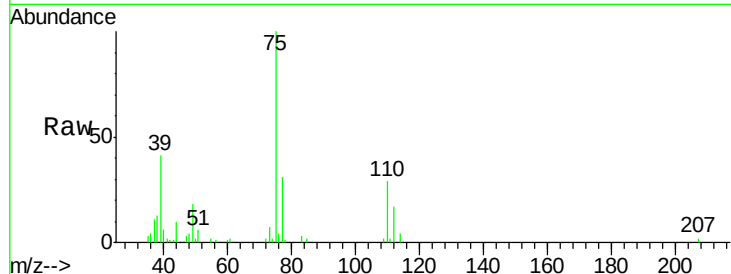
#53
t-1,3-Dichloropropene
Concen: 2.118 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VX019019.D
Acq: 22 Oct 2020 12:16

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

Tot Ion: 75 Resp: 8710
Ion Ratio Lower Upper
75 100
77 31.2 25.1 37.7

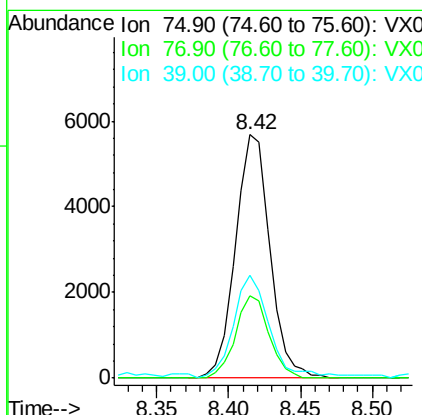
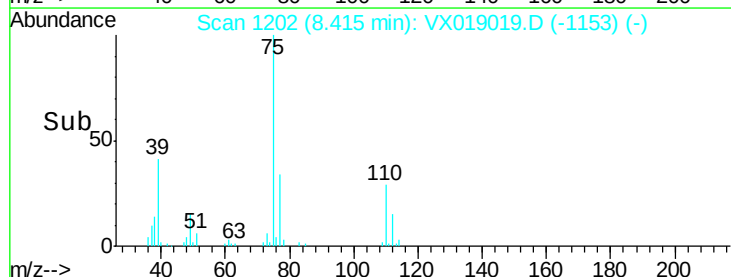
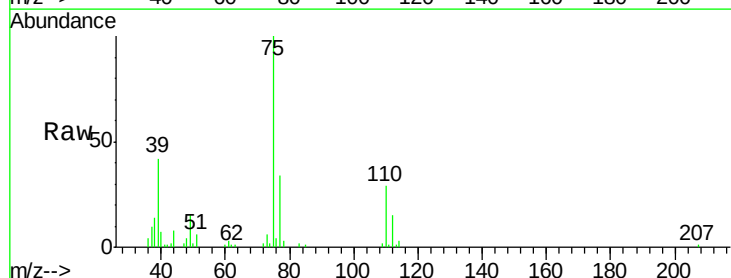
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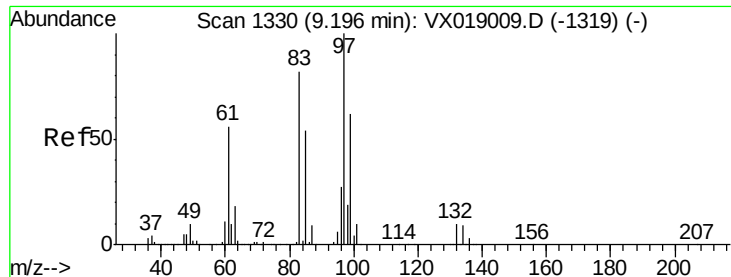
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 2.181 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX019019.D
Acq: 22 Oct 2020 12:16

Tgt Ion: 75 Resp: 9471
Ion Ratio Lower Upper
75 100
77 33.7 25.9 38.9
39 40.8 31.7 47.5





#55

1,1,2-Trichloroethane

Concen: 2.221 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

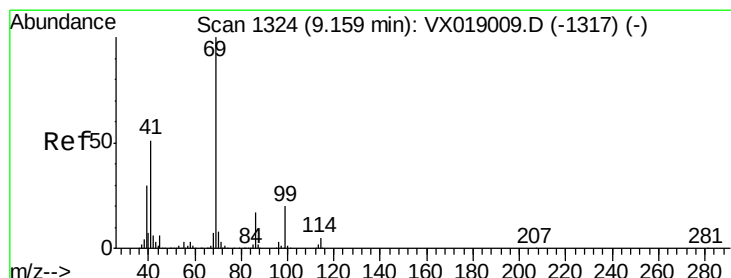
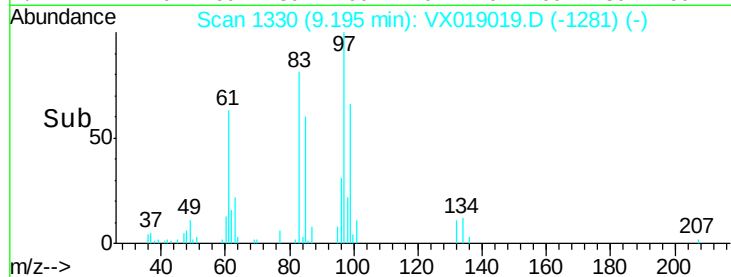
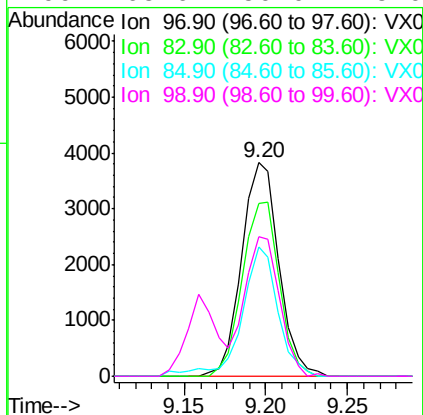
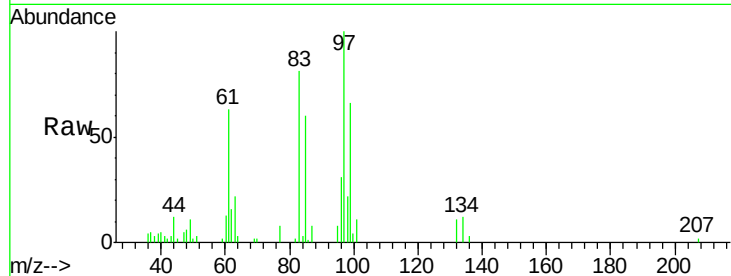
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	97	Resp:	6079
Ion	Ratio	Lower	Upper
97	100		
83	80.6	65.4	98.2
85	60.4	43.3	64.9
99	65.6	50.0	75.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 2.237 ug/l

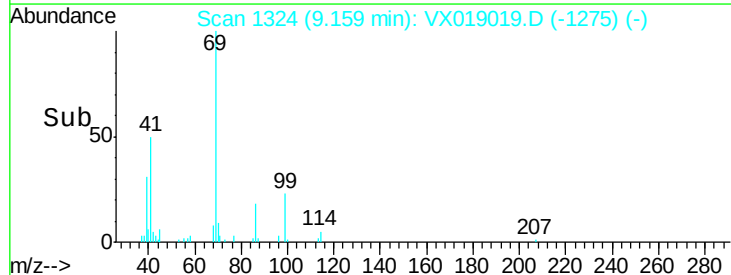
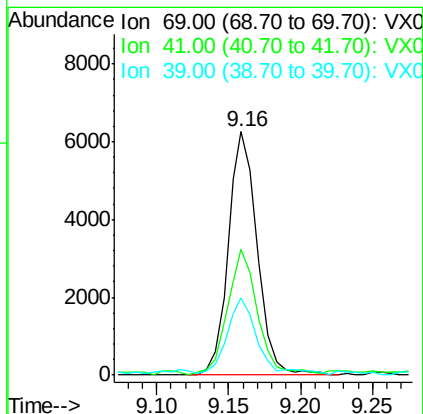
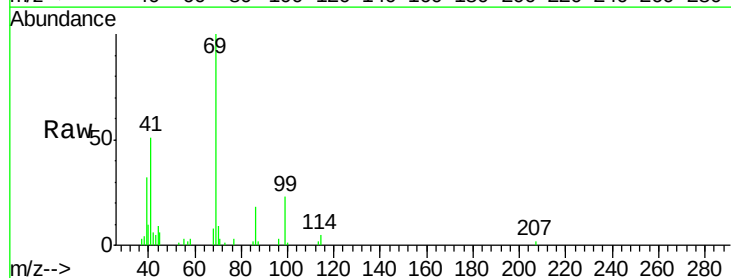
RT: 9.16 min Scan# 1324

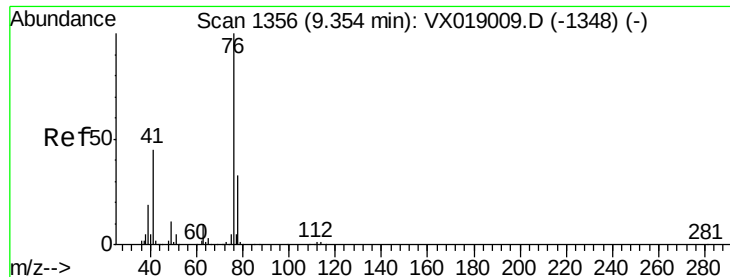
Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Tgt Ion:	69	Resp:	8809
Ion	Ratio	Lower	Upper
69	100		
41	54.5	41.1	61.7
39	34.1	24.6	37.0





#57

1,3-Dichloropropane

Concen: 2.310 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 76 Resp: 10038

Ion Ratio Lower Upper

76 100

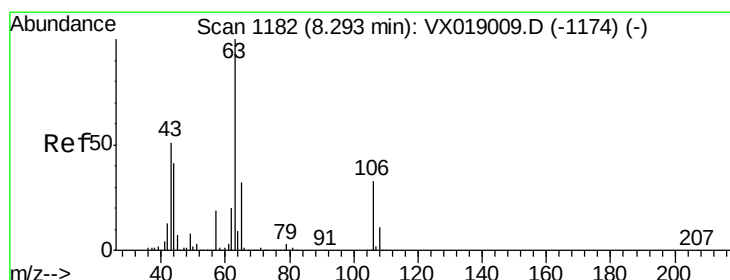
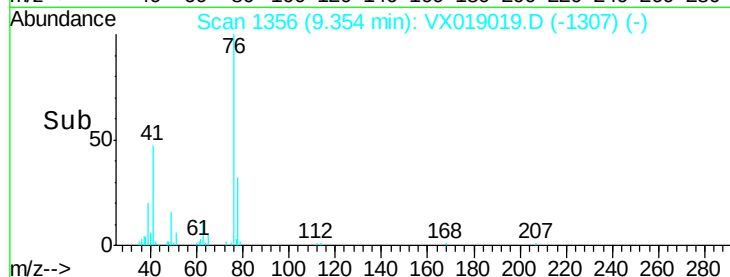
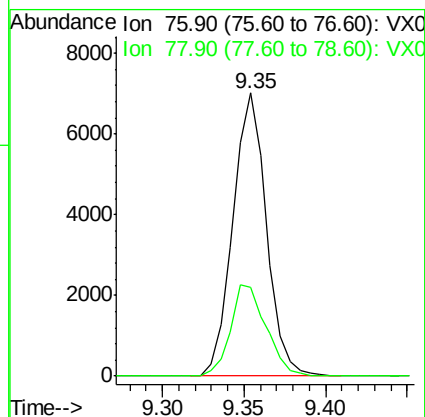
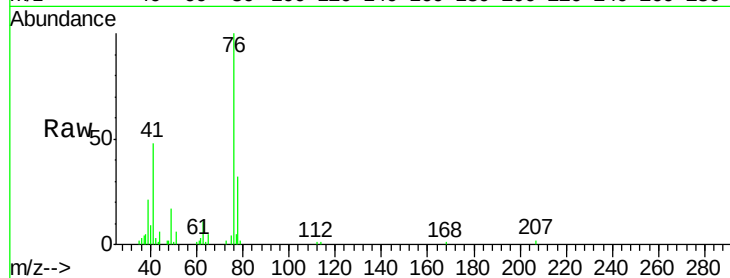
78 33.9 26.2 39.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 11.227 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX019019.D

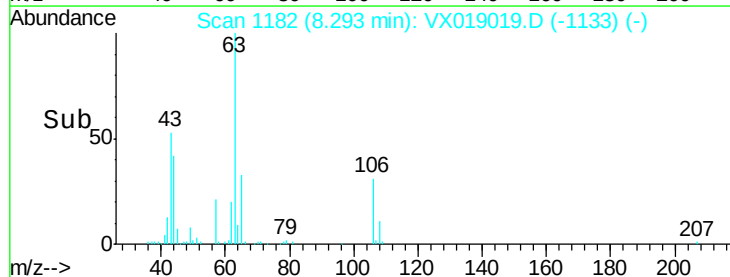
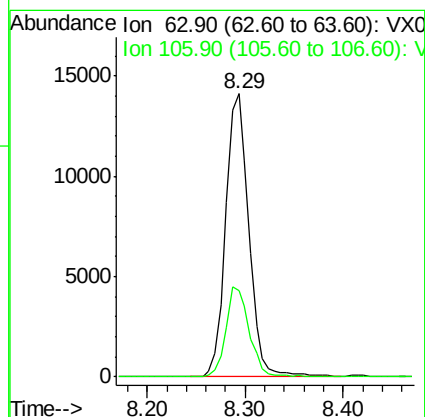
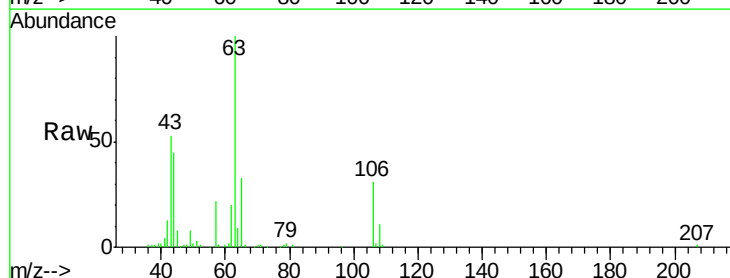
Acq: 22 Oct 2020 12:16

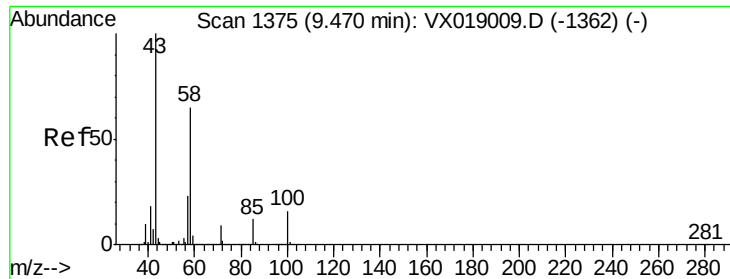
Tgt Ion: 63 Resp: 23228

Ion Ratio Lower Upper

63 100

106 32.1 26.0 39.0





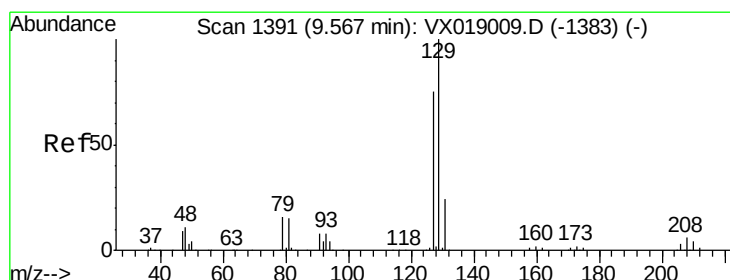
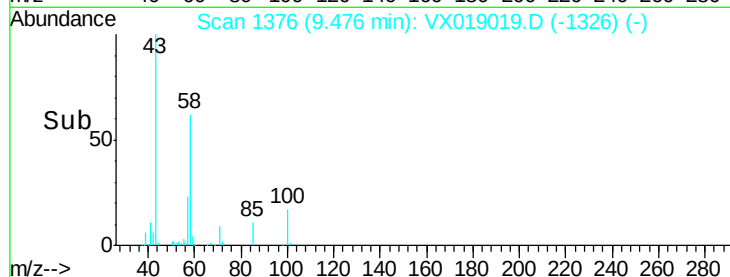
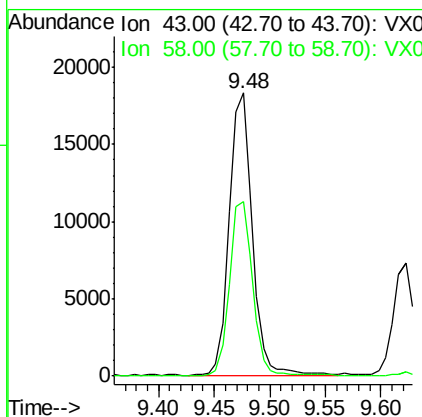
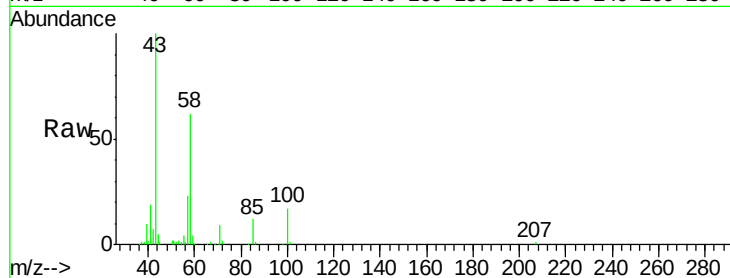
#59
2-Hexanone
Concen: 11.971 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX019019.D
Acq: 22 Oct 2020 12:16

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	62.1	32.8	98.4

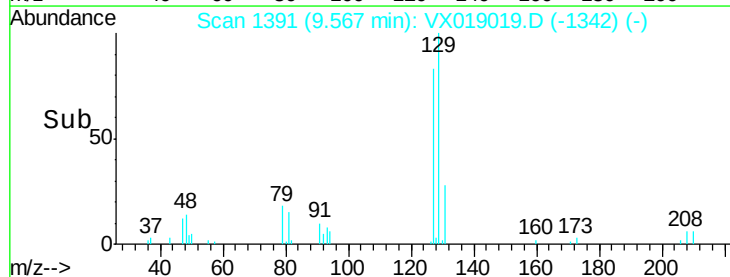
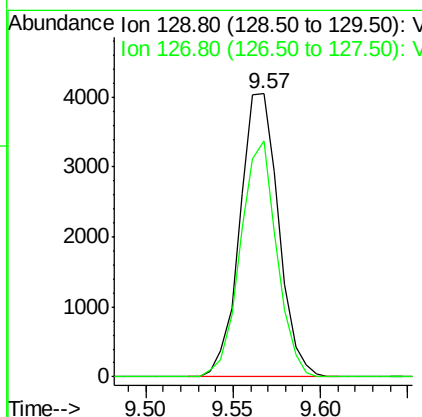
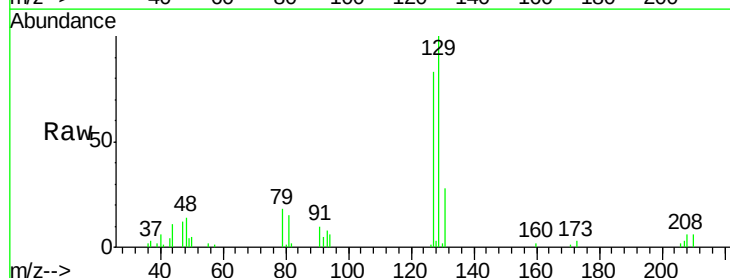
Manual Integrations
APPROVED

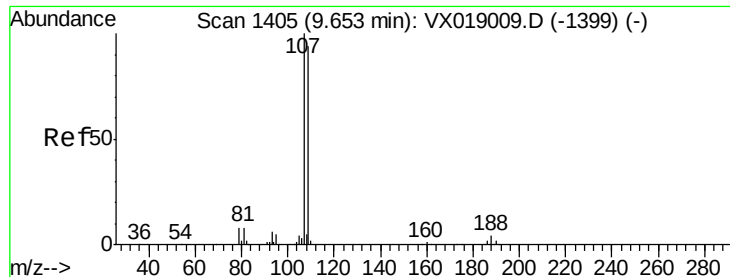
MMDadoda
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#60
Dibromochloromethane
Concen: 2.088 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX019019.D
Acq: 22 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.6	115.7





#61

1,2-Dibromoethane

Concen: 2.230 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 107 Resp: 6532

Ion Ratio Lower Upper

107 100

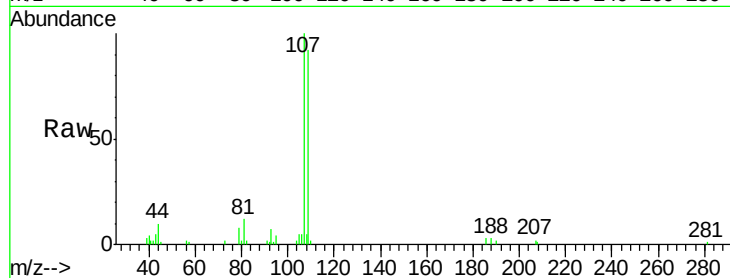
109 95.3 75.0 112.6

Manual Integrations

APPROVED

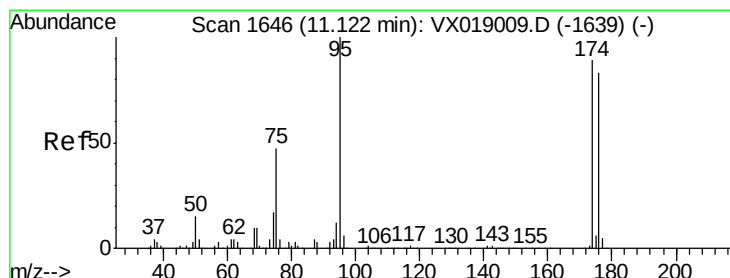
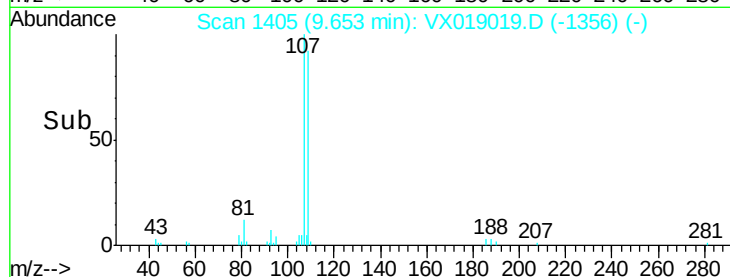
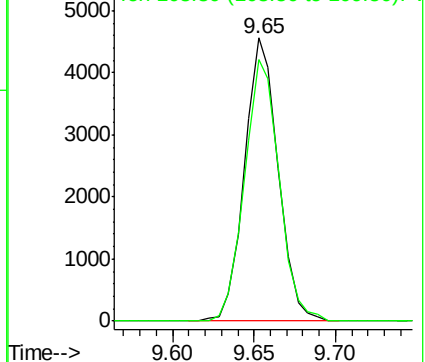
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.049 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

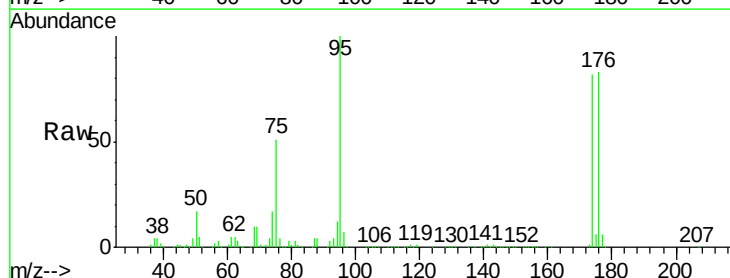
Tgt Ion: 95 Resp: 158873

Ion Ratio Lower Upper

95 100

174 82.4 0.0 167.6

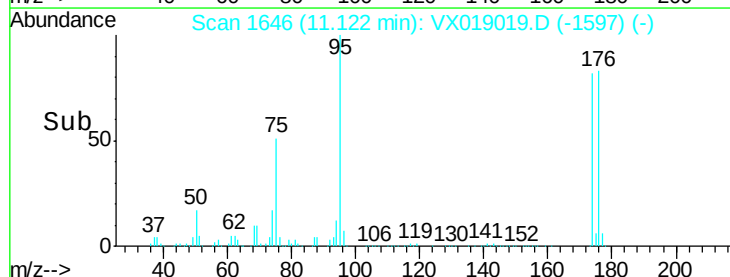
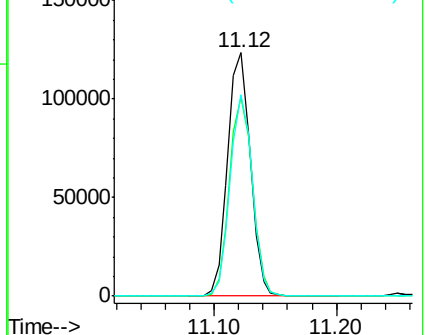
176 80.8 0.0 165.2

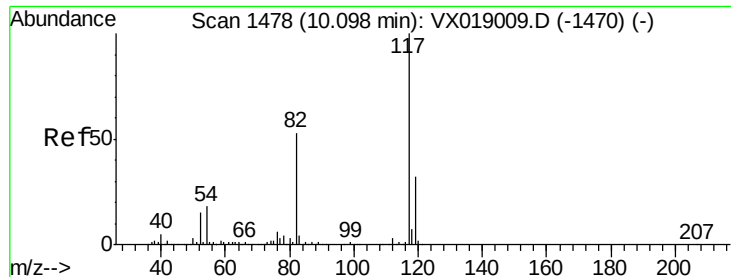


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





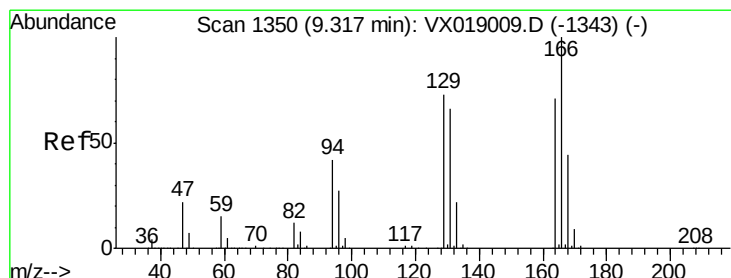
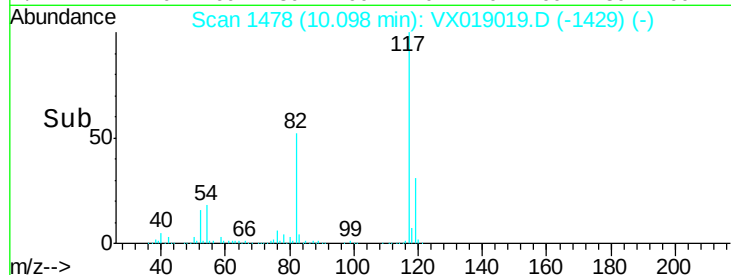
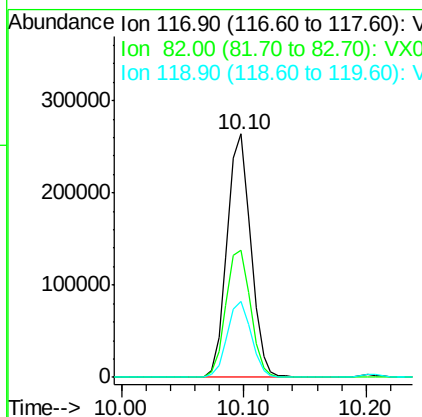
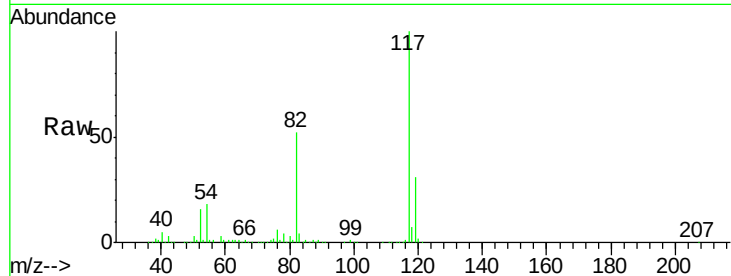
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019019.D
Acq: 22 Oct 2020 12:16

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	354060		
82	52.1		42.4	63.6
119	31.2		25.6	38.4

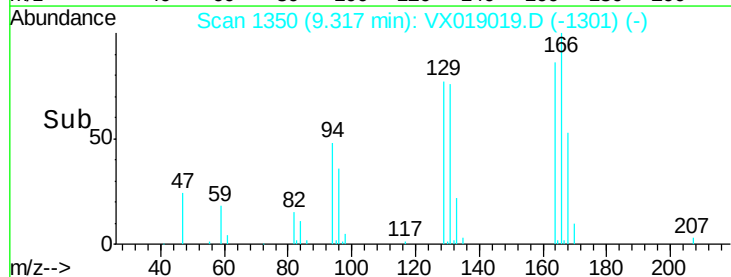
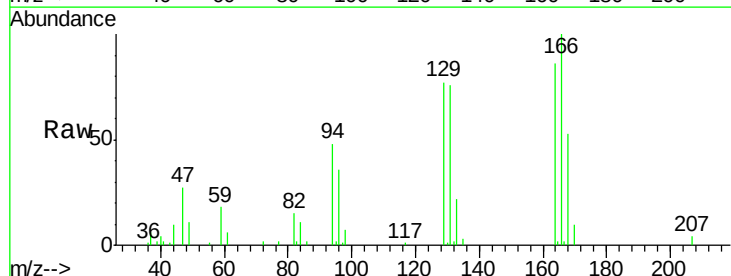
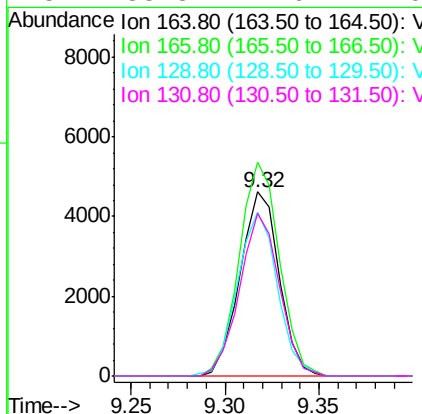
Manual Integrations
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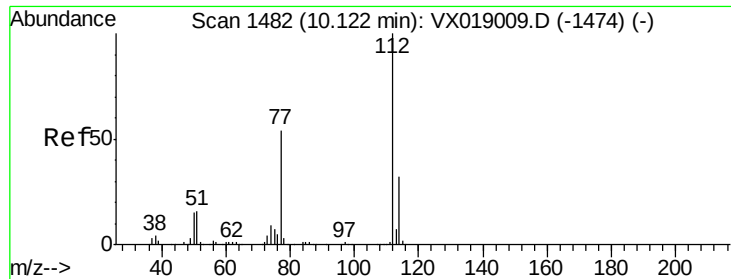
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#64
Tetrachloroethene
Concen: 2.474 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX019019.D
Acq: 22 Oct 2020 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	6669		
166	116.2		112.2	168.4
129	89.3		81.8	122.8
131	88.3		74.6	112.0





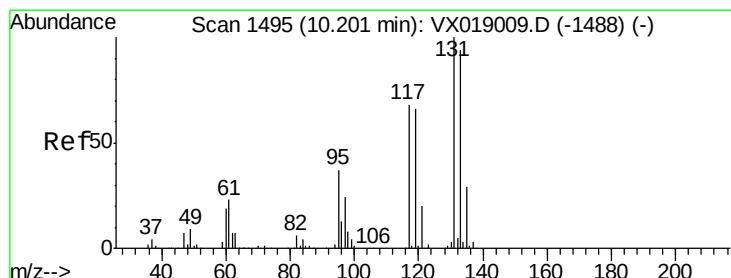
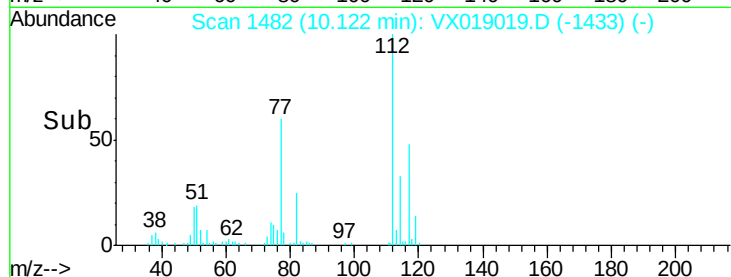
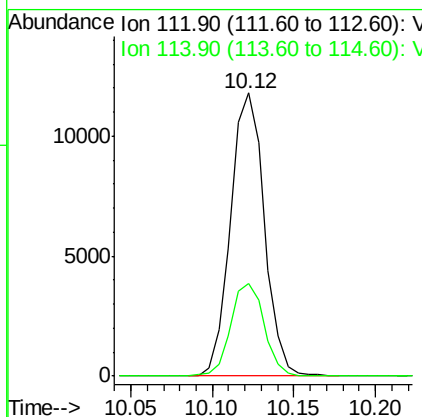
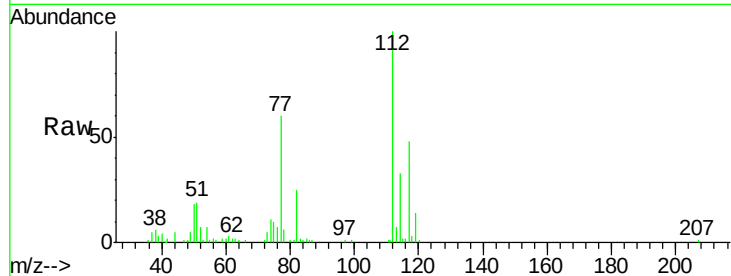
#65
Chlorobenzene
Concen: 2.288 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX019019.D
Acq: 22 Oct 2020 12:16

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

Tot Ion:112 Resp: 16993
Ion Ratio Lower Upper
112 100
114 32.6 25.5 38.3

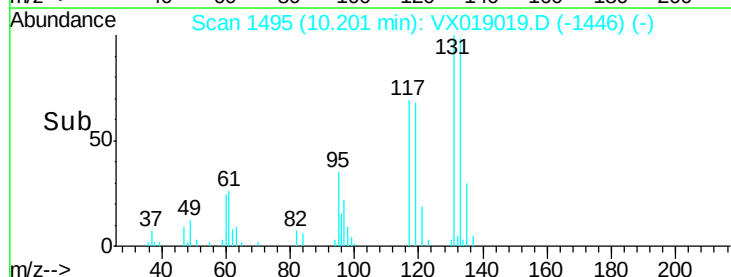
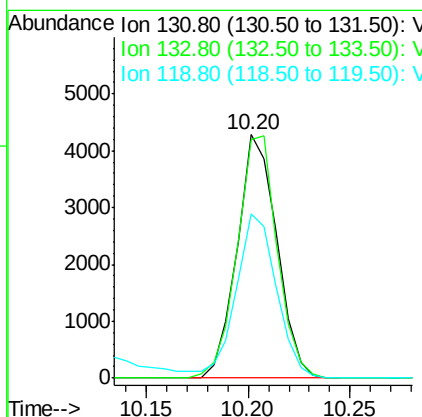
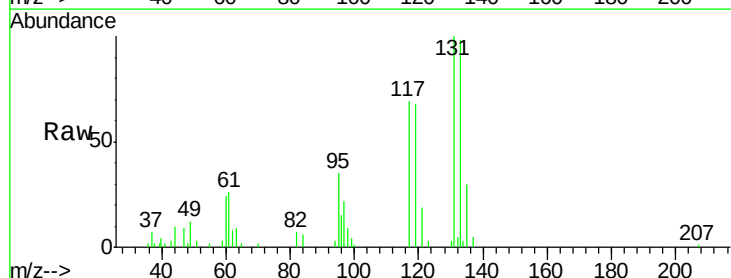
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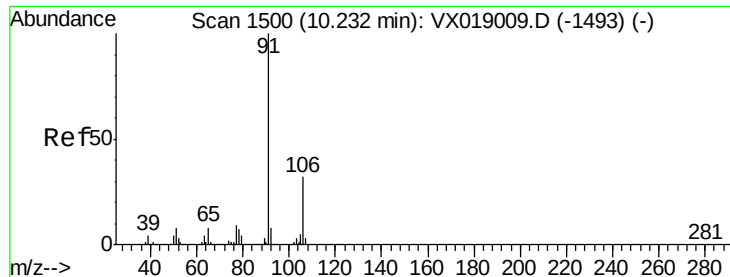
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 2.190 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. -0.00 min
Lab File: VX019019.D
Acq: 22 Oct 2020 12:16

Tgt Ion:131 Resp: 5783
Ion Ratio Lower Upper
131 100
133 100.5 47.0 141.2
119 69.0 32.9 98.7





#67

Ethyl Benzene

Concen: 2.265 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 91 Resp: 28997

Ion Ratio Lower Upper

91 100

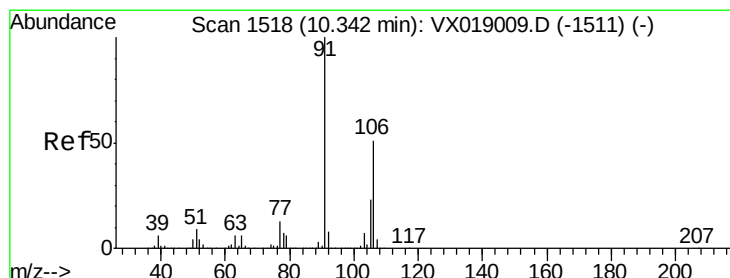
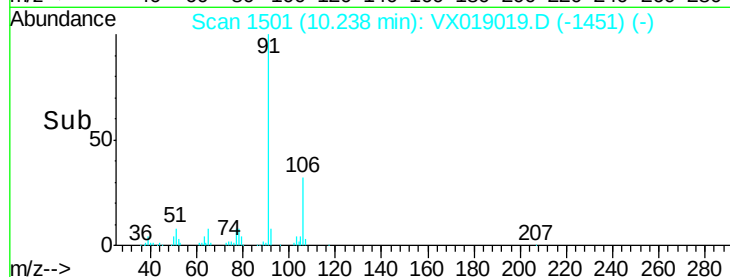
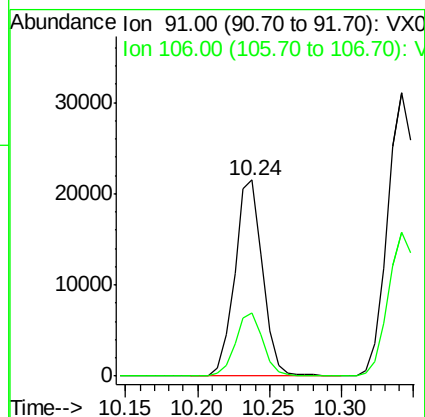
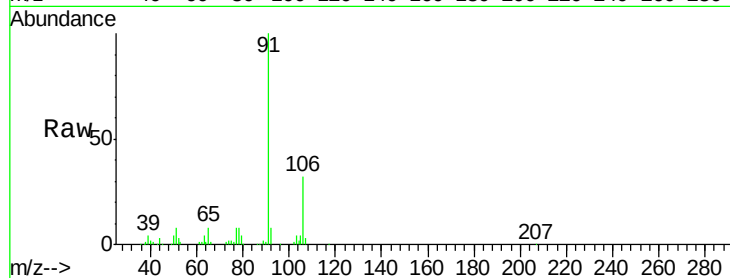
106 32.1 25.3 37.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 4.468 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX019019.D

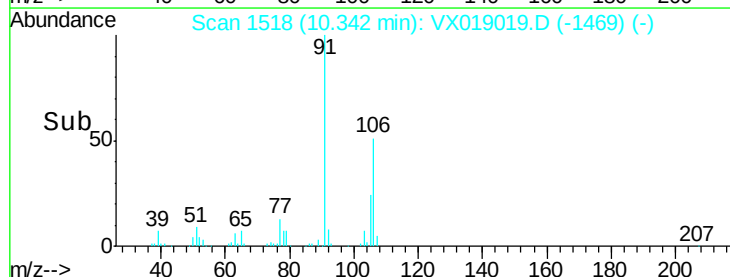
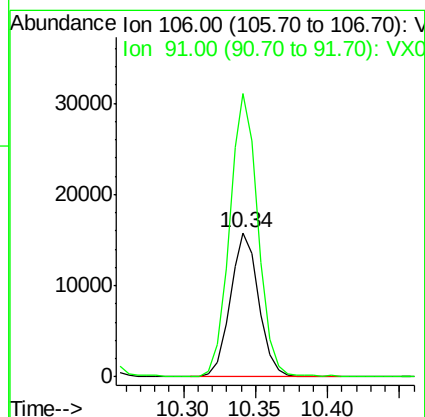
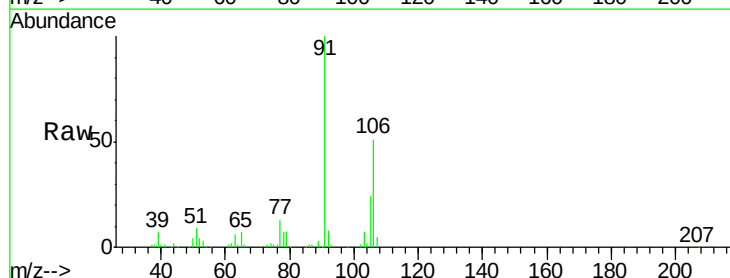
Acq: 22 Oct 2020 12:16

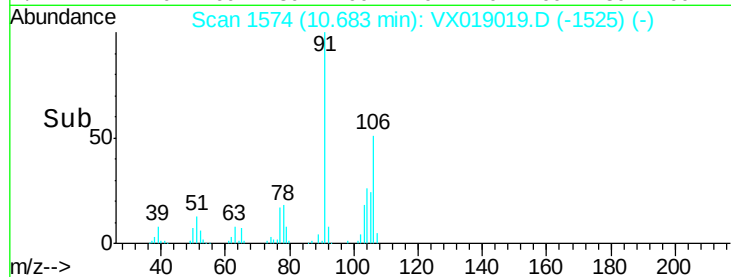
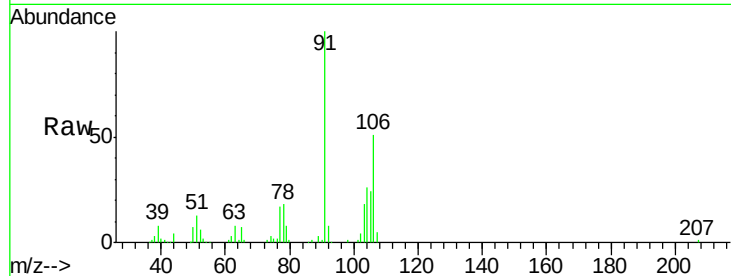
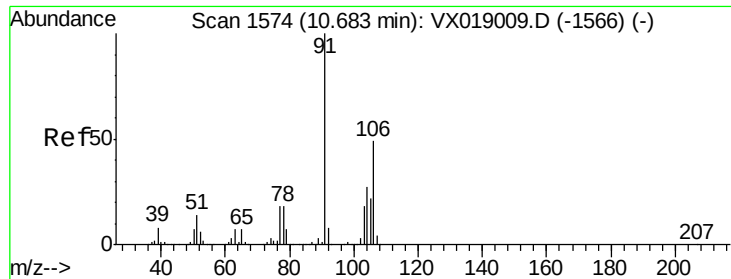
Tgt Ion: 106 Resp: 21911

Ion Ratio Lower Upper

106 100

91 196.4 156.9 235.3





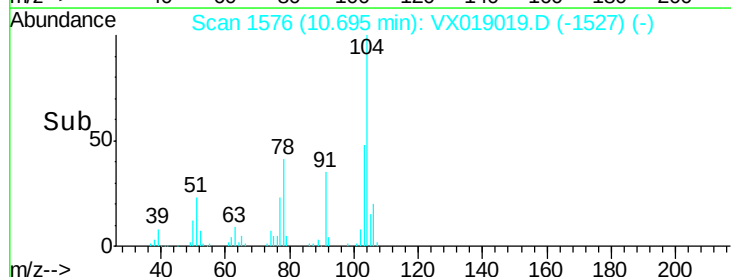
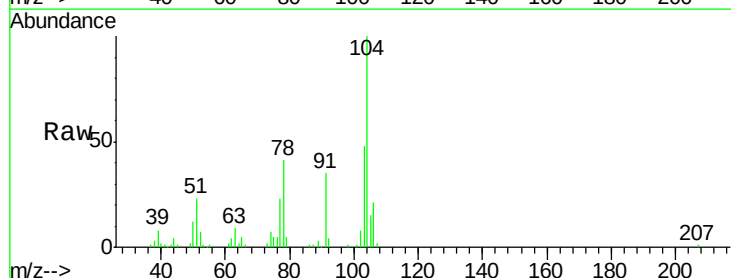
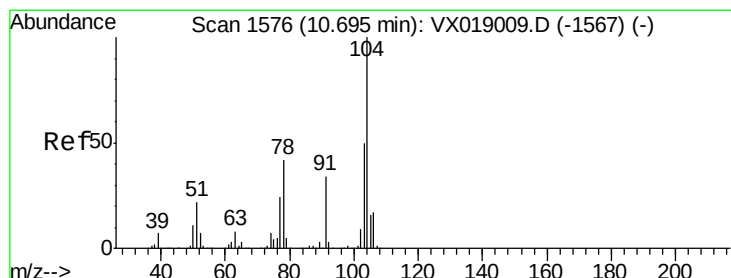
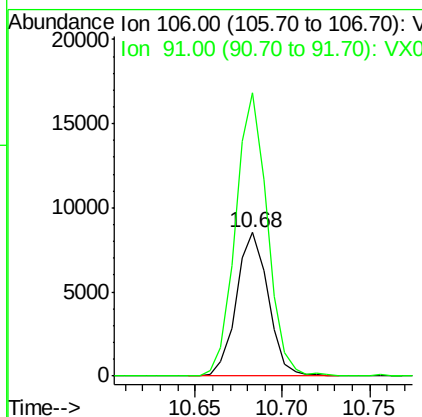
#69
o-Xylene
Concen: 2.308 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019019.D
Acq: 22 Oct 2020 12:16

Tot Ion:106 Resp: 10833
Ion Ratio Lower Upper
106 100
91 195.7 104.0 312.0

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

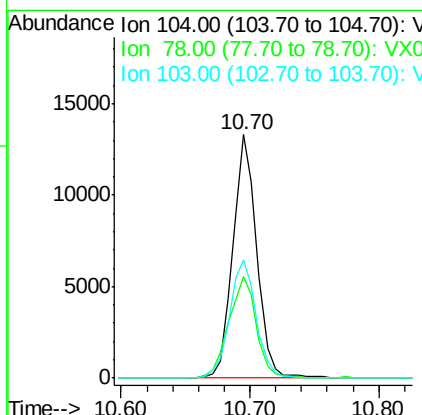
Manual Integrations
APPROVED

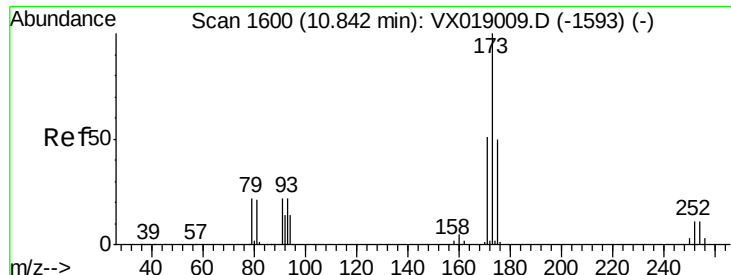
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#70
Styrene
Concen: 2.158 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX019019.D
Acq: 22 Oct 2020 12:16

Tgt Ion:104 Resp: 17192
Ion Ratio Lower Upper
104 100
78 48.3 37.7 56.5
103 54.2 43.5 65.3





#71

Bromoform

Concen: 2.100 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

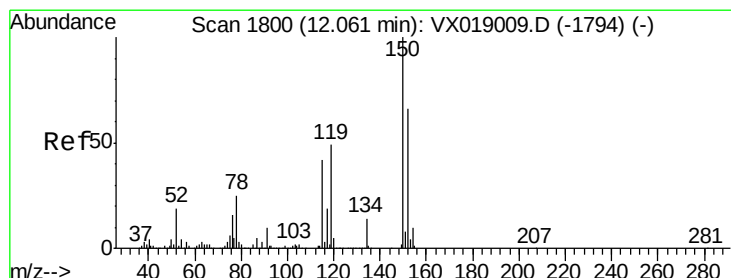
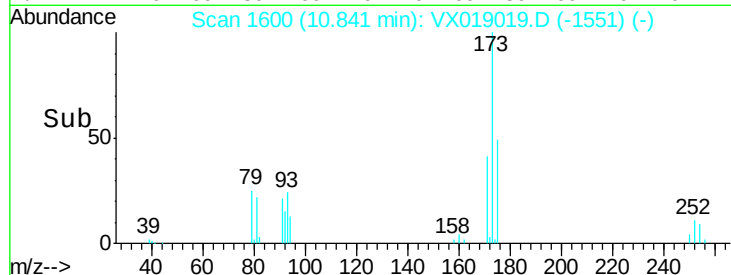
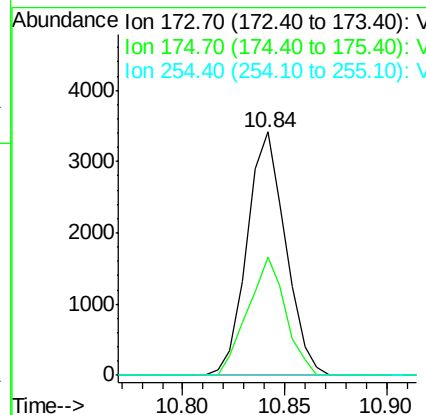
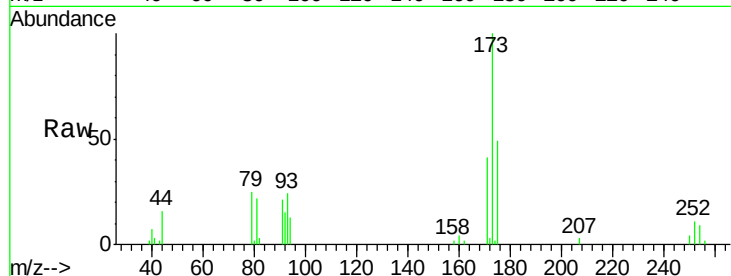
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.1	72.4
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

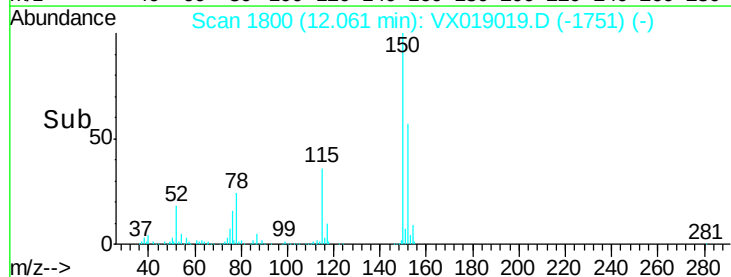
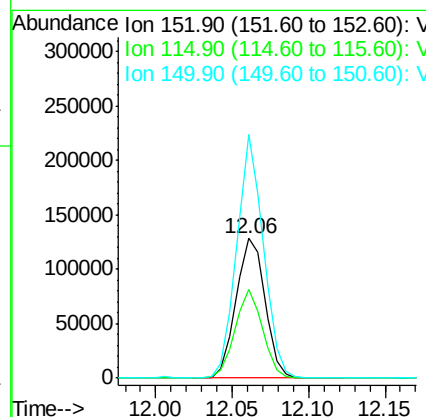
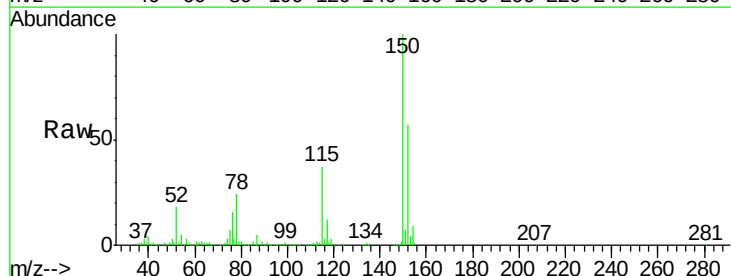
RT: 12.06 min Scan# 1800

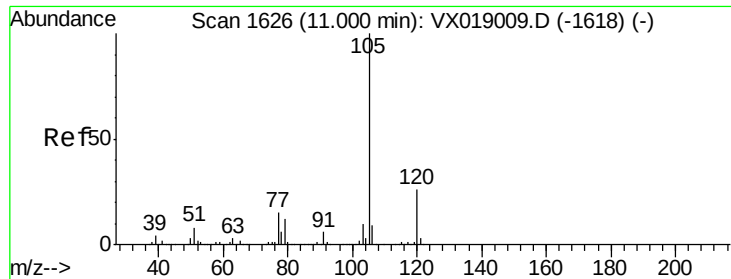
Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	40.8	122.5
150	160.6	0.0	345.6





#73

Isopropylbenzene

Concen: 2.297 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:105 Resp: 27774

Ion Ratio Lower Upper

105 100

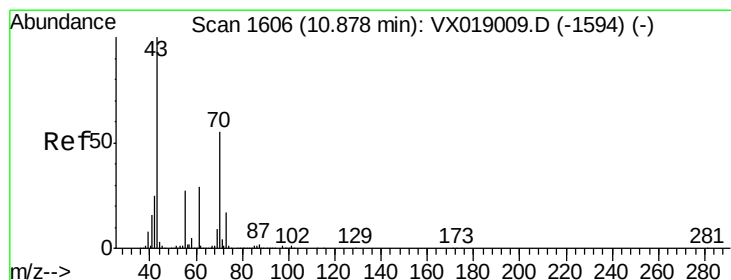
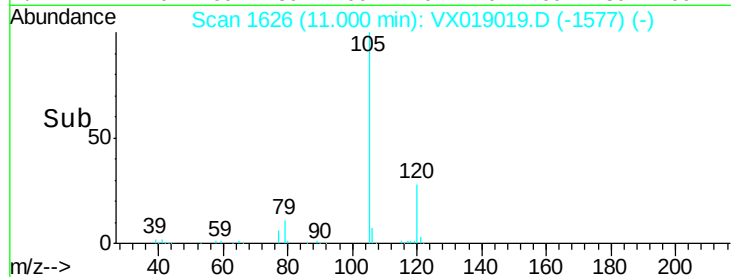
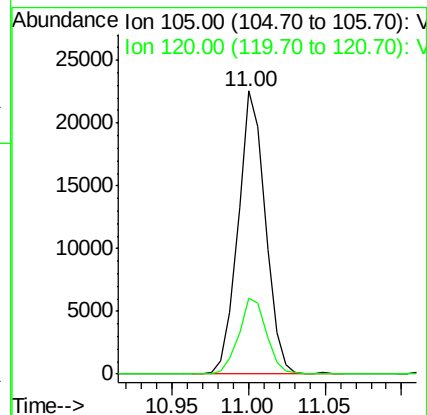
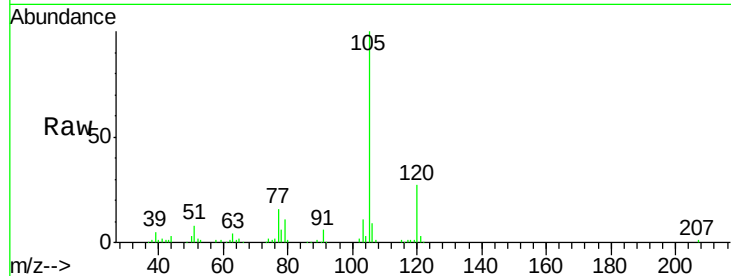
120 27.2 13.4 40.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 2.436 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Tgt Ion: 43 Resp: 9437

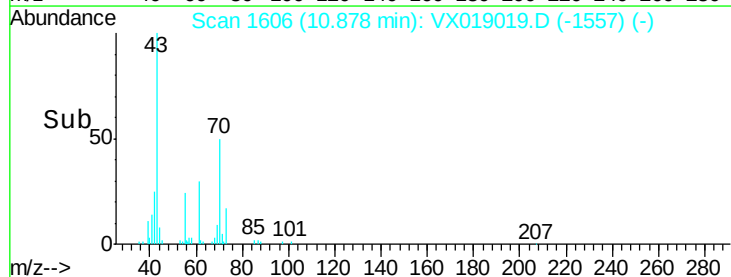
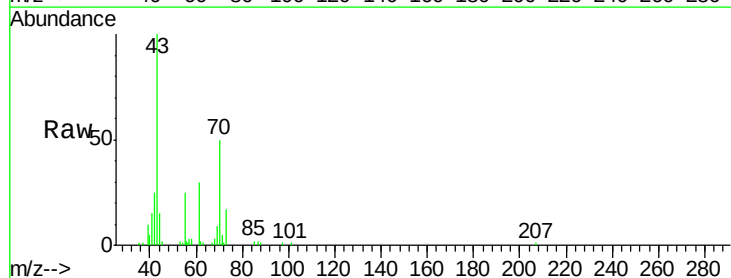
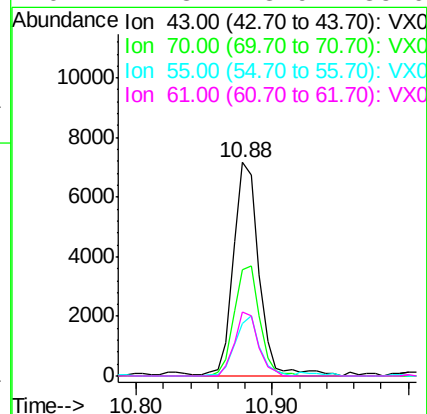
Ion Ratio Lower Upper

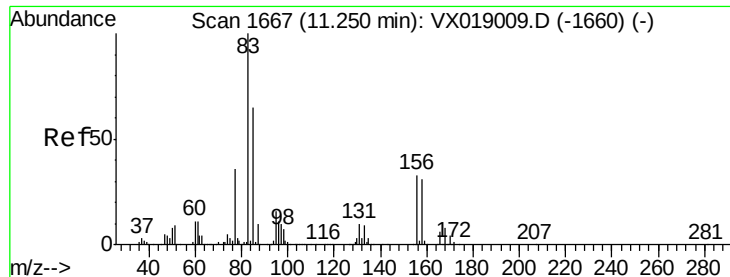
43 100

70 50.6 44.5 66.7

55 26.7 21.9 32.9

61 27.3 23.9 35.9





#75

1,1,2,2-Tetrachloroethane

Concen: 2.478 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

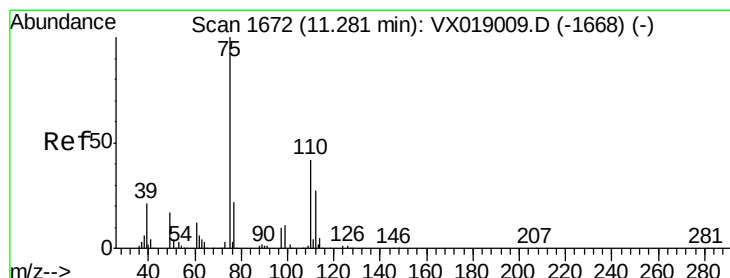
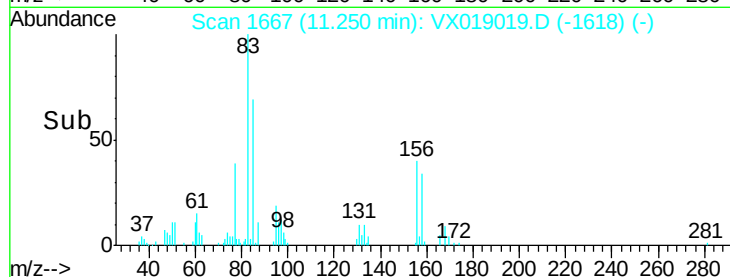
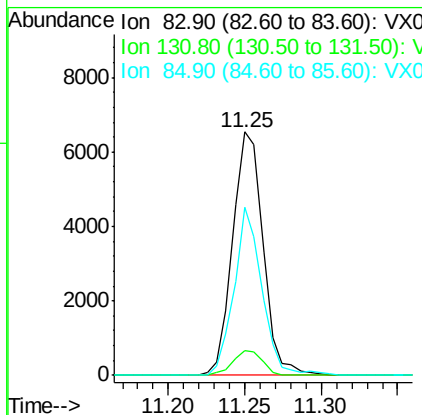
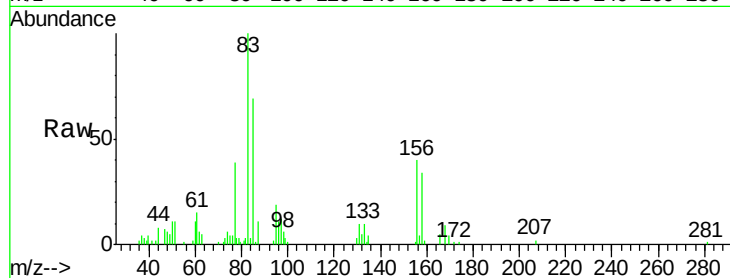
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	83	Resp:	9025
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.4
85	63.3	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 2.519 ug/l m

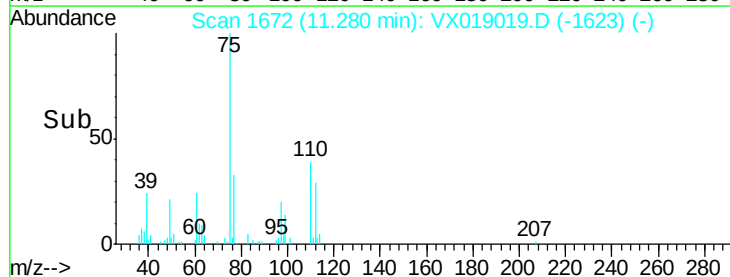
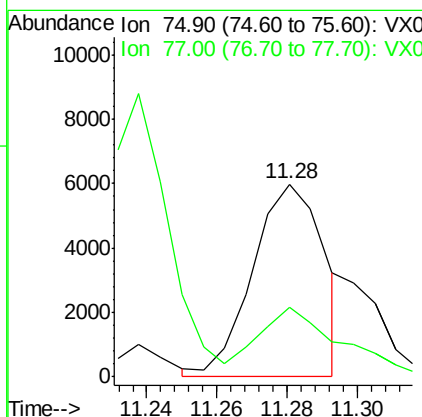
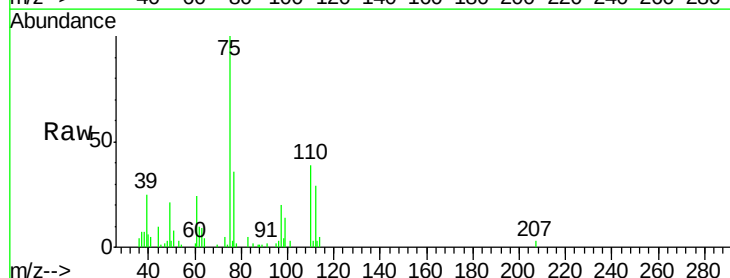
RT: 11.28 min Scan# 1672

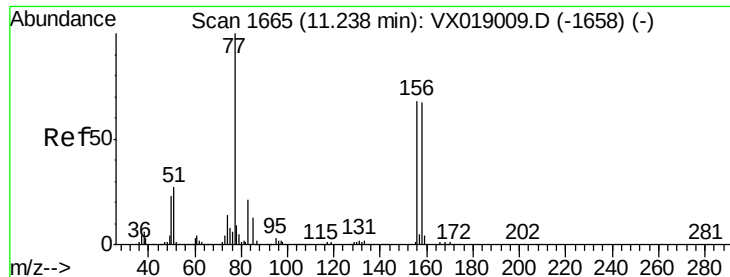
Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Tgt Ion:	75	Resp:	8462
Ion Ratio	Lower	Upper	
75	100		
77	42.2	20.7	62.1





#77

Bromobenzene

Concen: 2.344 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

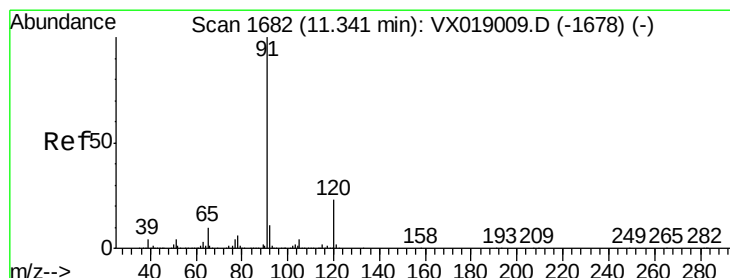
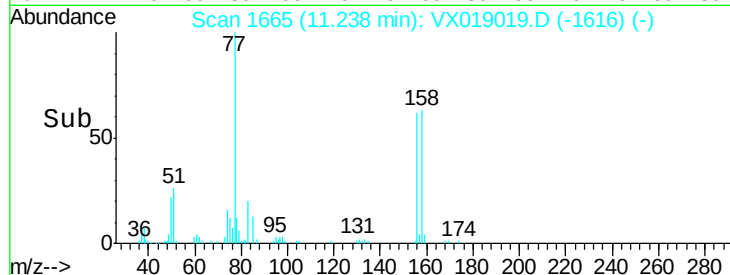
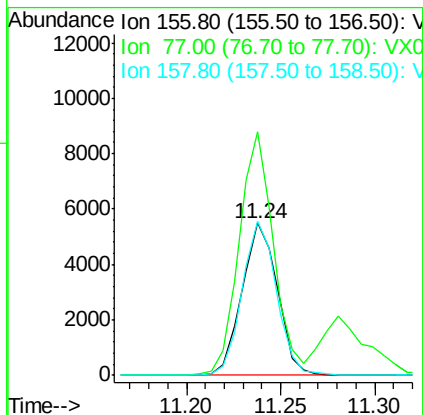
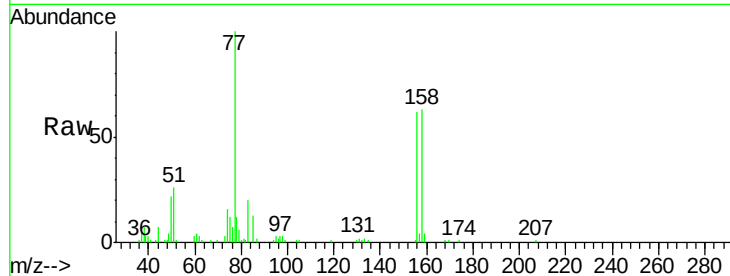
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	156	Resp:	7157
Ion	Ratio	Lower	Upper
156	100		
77	154.8	74.4	223.1
158	98.5	48.8	146.3

Manual Integrations
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#78

n-propylbenzene

Concen: 2.308 ug/l

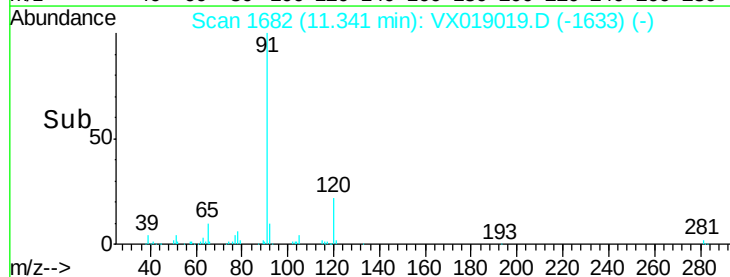
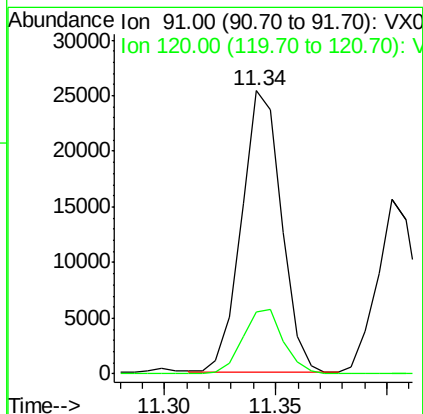
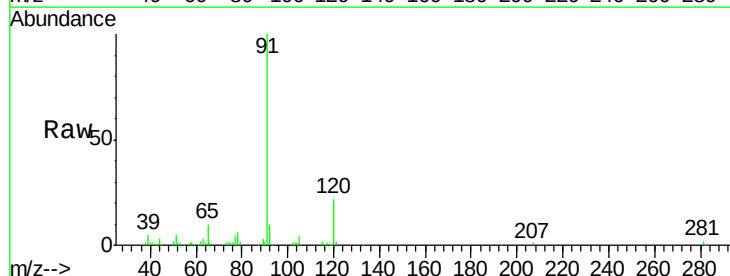
RT: 11.34 min Scan# 1682

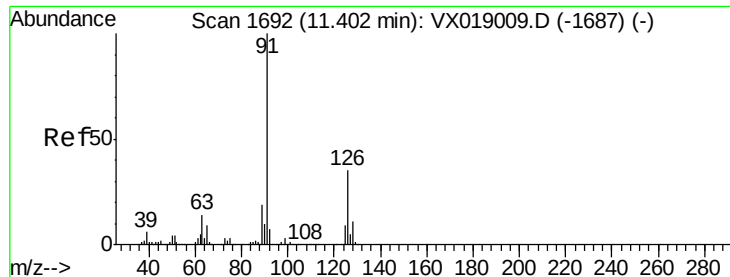
Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Tgt Ion:	91	Resp:	31617
Ion	Ratio	Lower	Upper
91	100		
120	23.2	12.1	36.3





#79

2-Chlorotoluene

Concen: 2.390 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 91 Resp: 19100

Ion Ratio Lower Upper

91 100

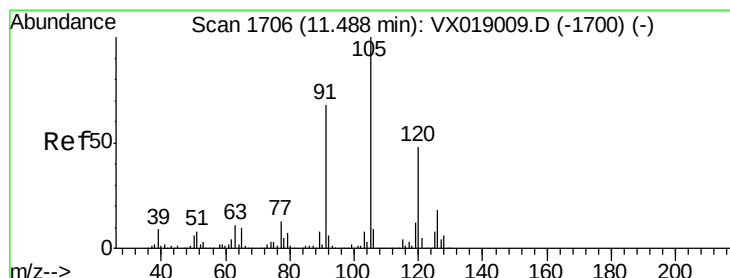
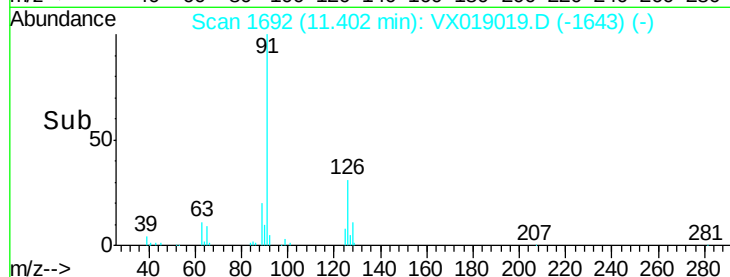
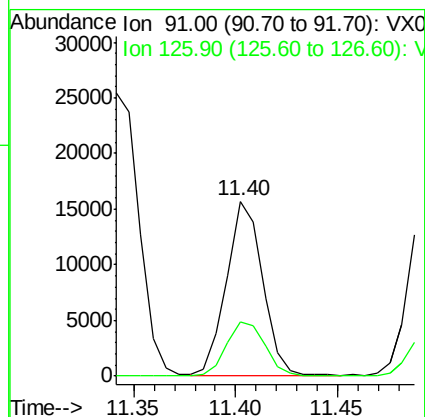
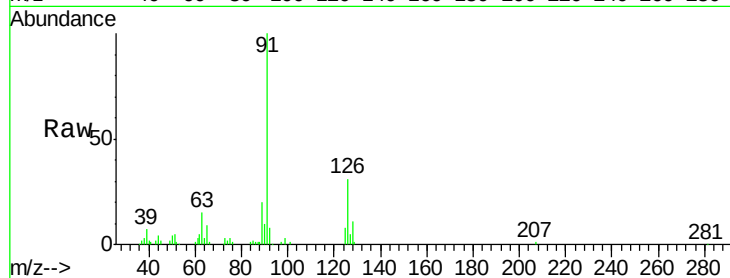
126 33.5 17.5 52.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 2.248 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019019.D

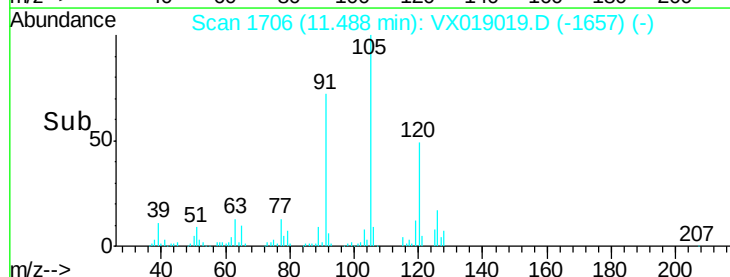
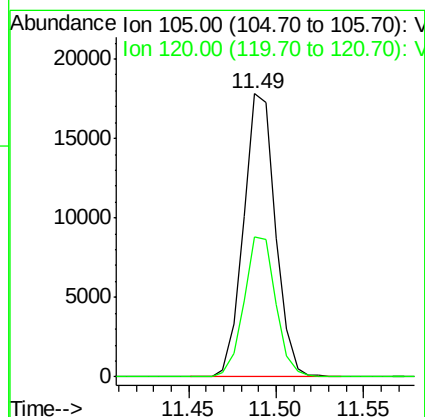
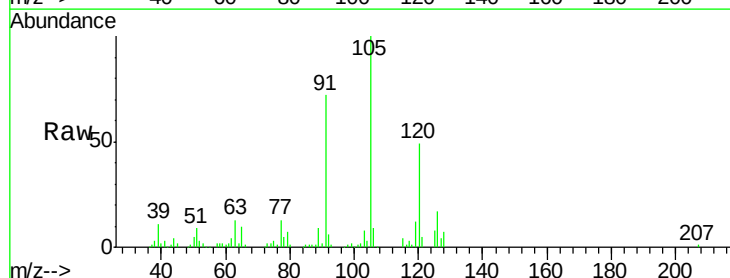
Acq: 22 Oct 2020 12:16

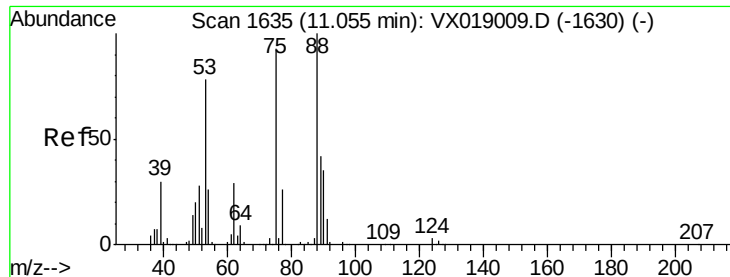
Tgt Ion: 105 Resp: 22445

Ion Ratio Lower Upper

105 100

120 49.6 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 2.201 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

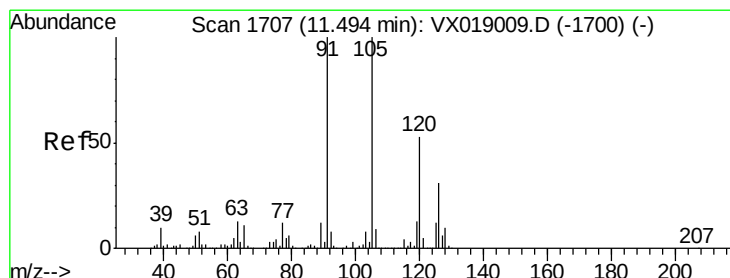
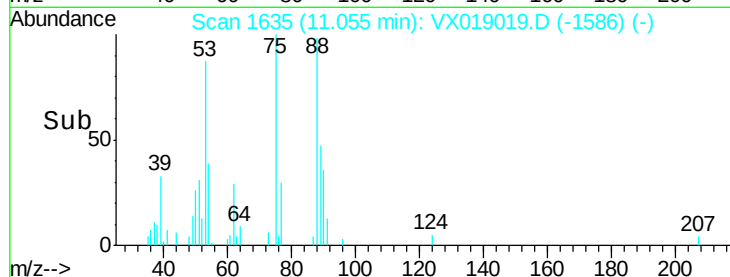
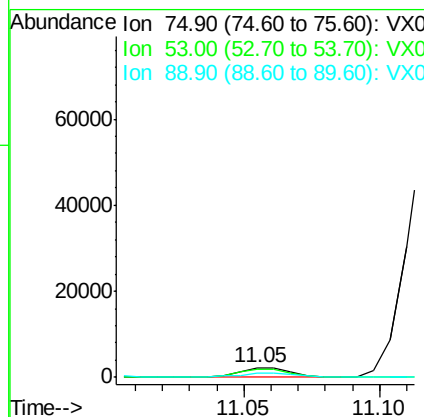
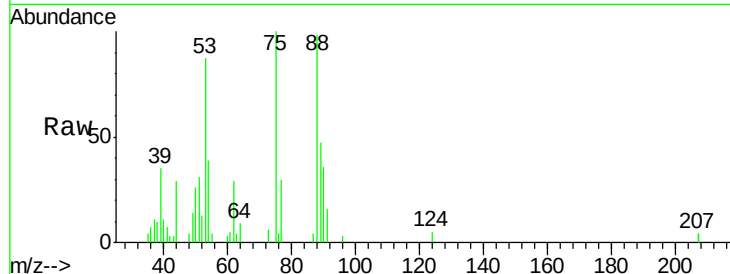
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	75	Resp:	2902
Ion	Ratio	Lower	Upper
75	100		
53	93.5	67.4	101.2
89	50.5	37.2	55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 2.320 ug/l

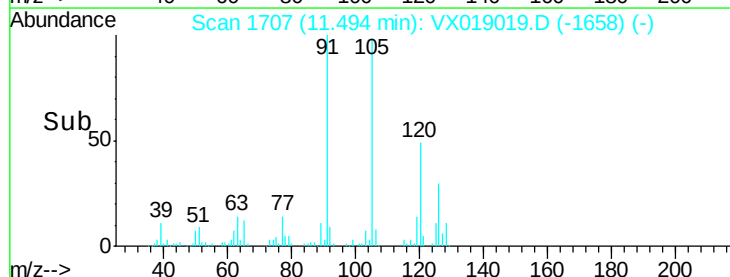
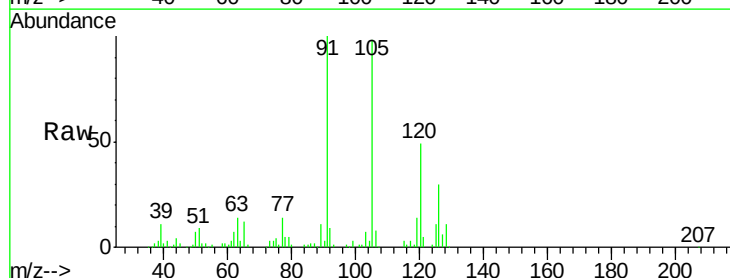
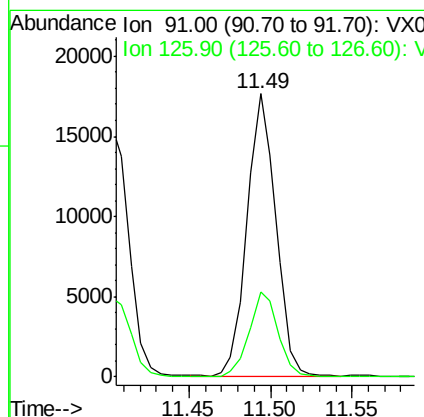
RT: 11.49 min Scan# 1707

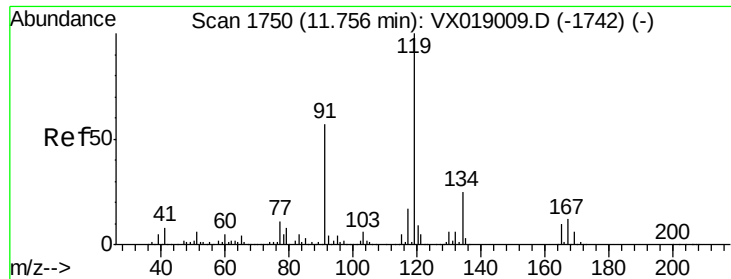
Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Tgt Ion:	91	Resp:	22062
Ion	Ratio	Lower	Upper
91	100		
126	29.9	15.6	46.7





#83

tert-Butylbenzene

Concen: 2.273 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

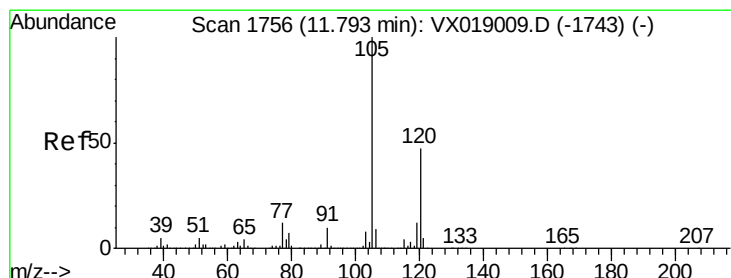
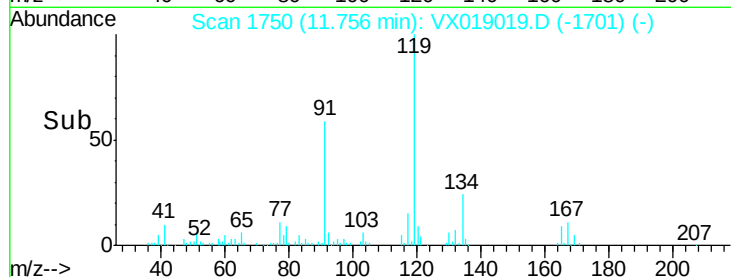
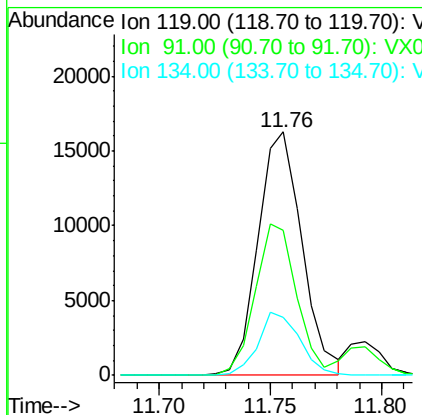
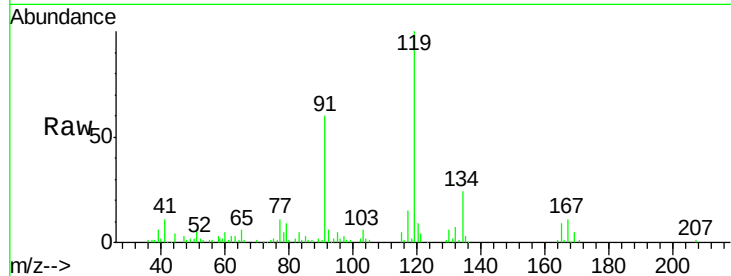
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	119	Resp:	22353
Ion Ratio	Lower	Upper	
119	100		
91	58.5	28.1	84.4
134	24.3	11.8	35.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 2.312 ug/l

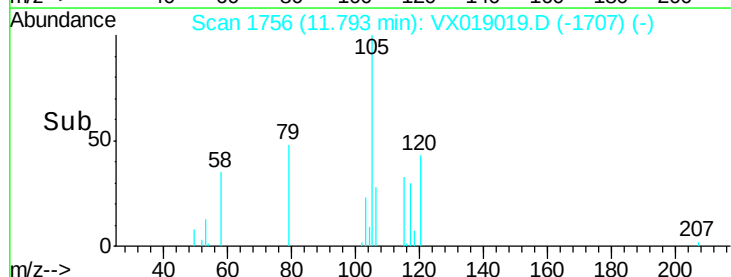
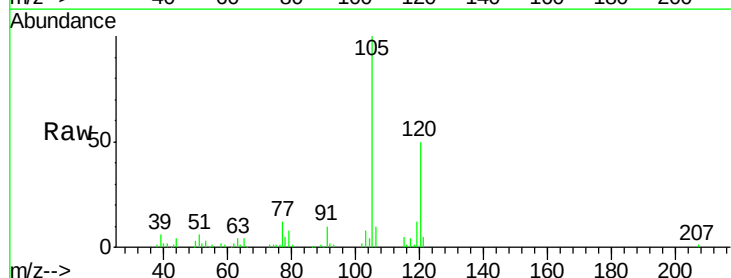
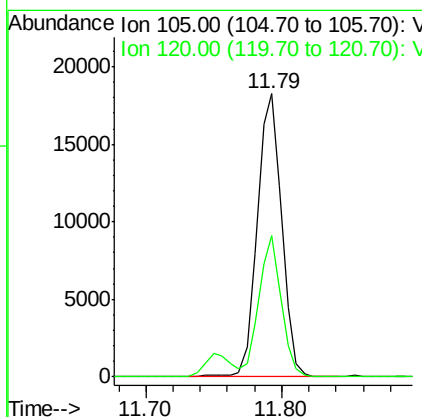
RT: 11.79 min Scan# 1756

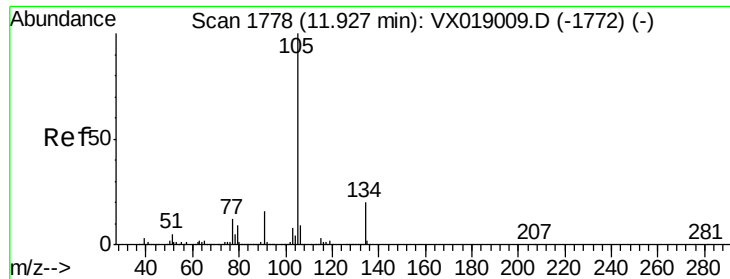
Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Tgt Ion:	105	Resp:	23119
Ion Ratio	Lower	Upper	
105	100		
120	45.8	22.9	68.8





#85

sec-Butylbenzene

Concen: 2.243 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:105 Resp: 26698

Ion Ratio Lower Upper

105 100

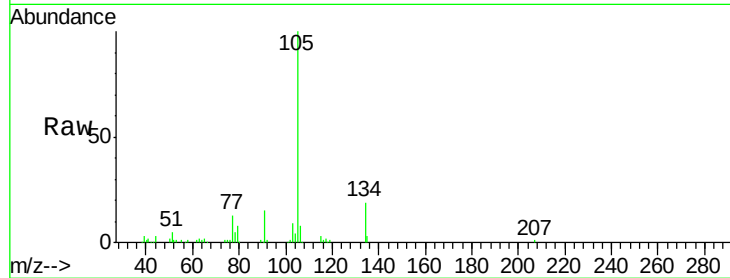
134 21.2 10.4 31.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.93

25000

20000

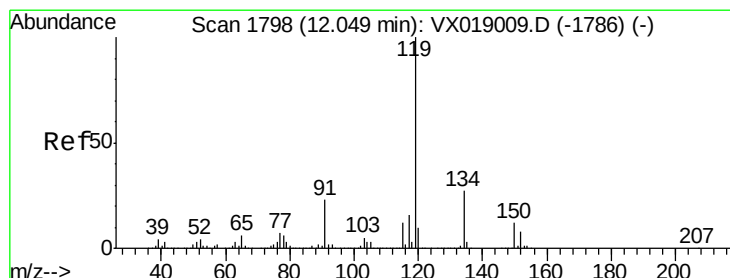
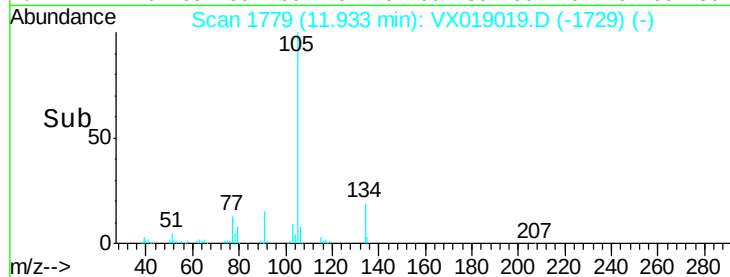
15000

10000

5000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 2.337 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

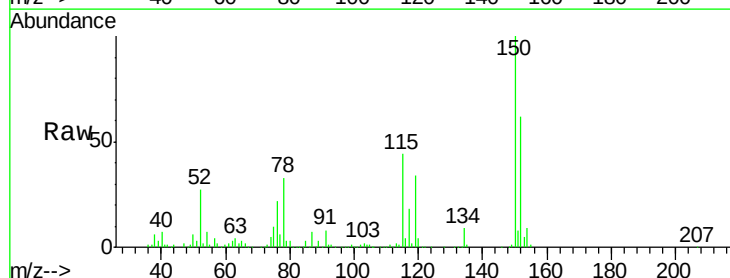
Tgt Ion:119 Resp: 25420

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

91 23.3 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

12.05

25000

20000

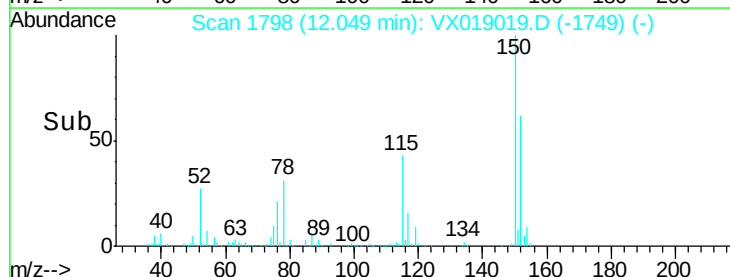
15000

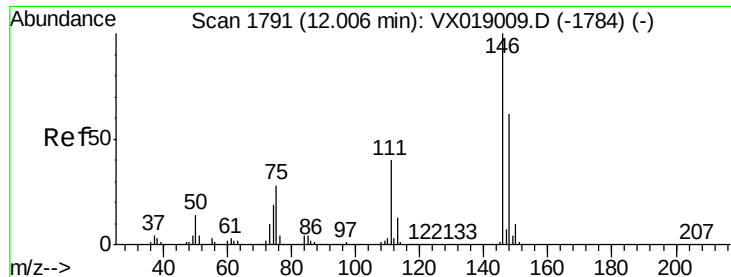
10000

5000

0

Time--> 12.00 12.05 12.10





#87

1,3-Dichlorobenzene

Concen: 2.304 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

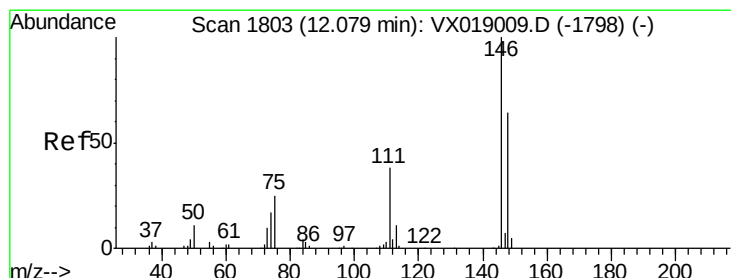
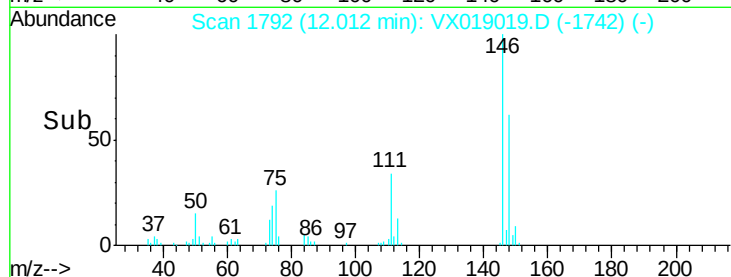
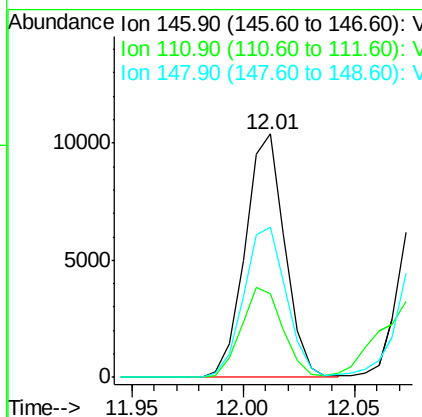
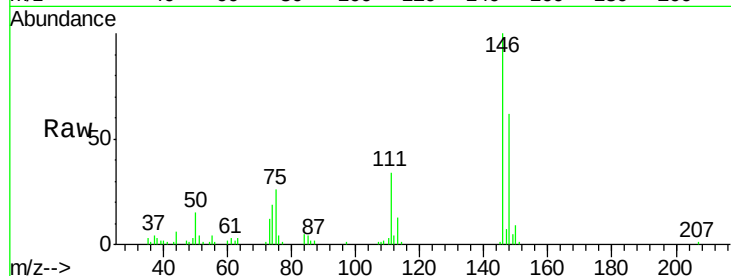
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	146	Resp:	12904
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.7	59.1
148	66.4	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 2.412 ug/l

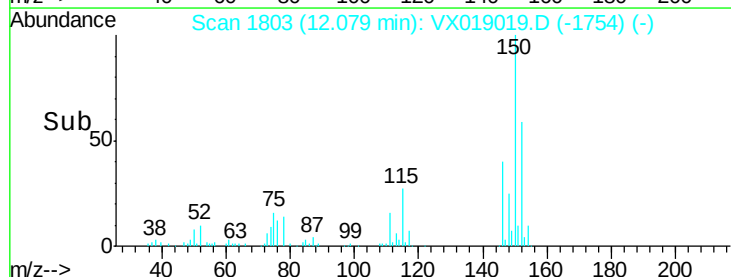
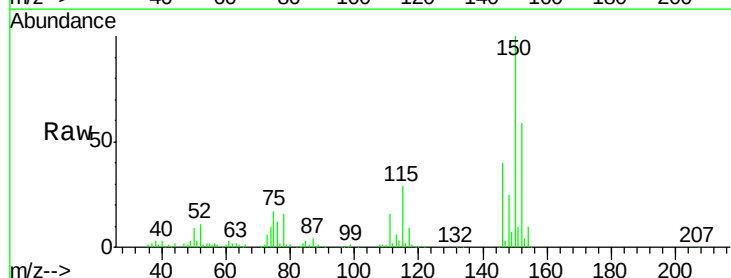
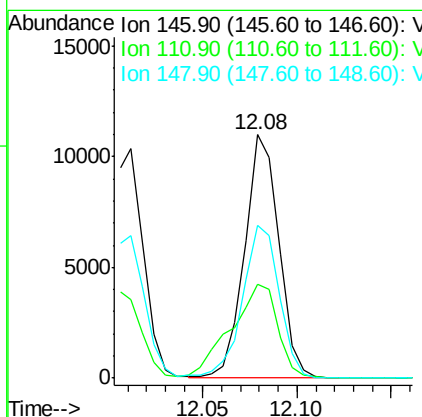
RT: 12.08 min Scan# 1803

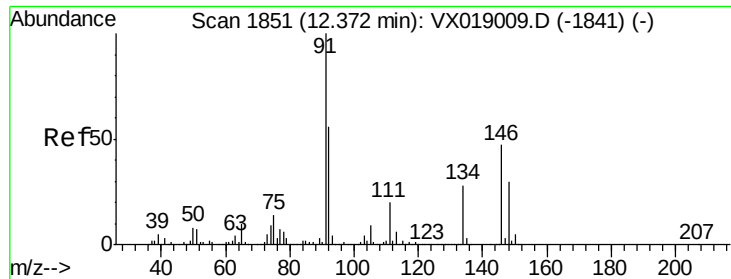
Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Tgt Ion:	146	Resp:	13867
Ion Ratio	Lower	Upper	
146	100		
111	53.0	19.4	58.2
148	67.4	32.2	96.6





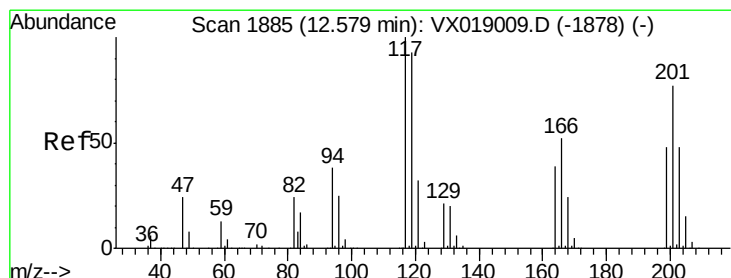
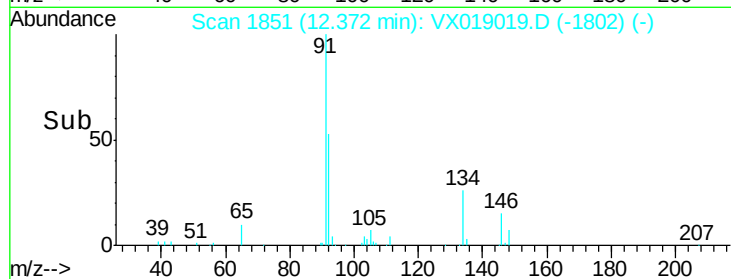
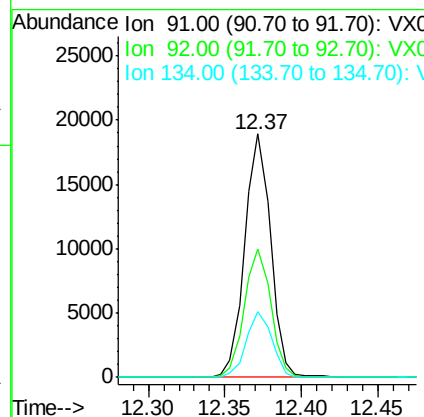
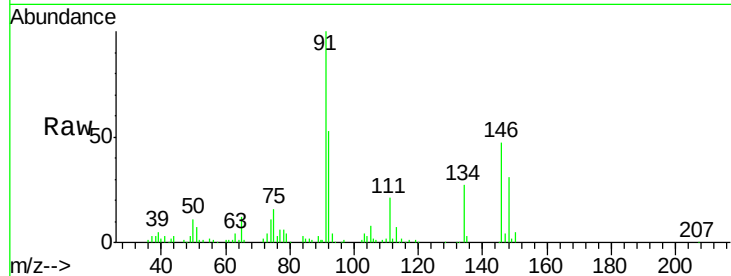
#89
n-Butylbenzene
Concen: 2.235 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX019019.D
Acq: 22 Oct 2020 12:16

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.3	81.9
134	26.8	13.6	40.7

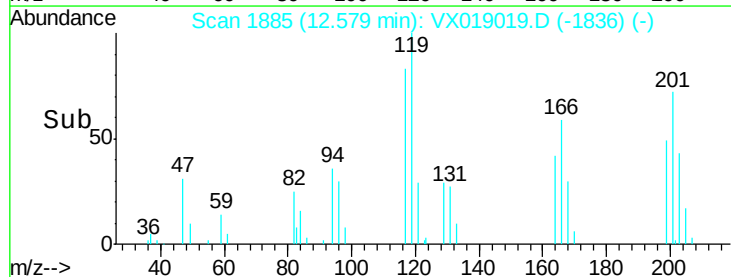
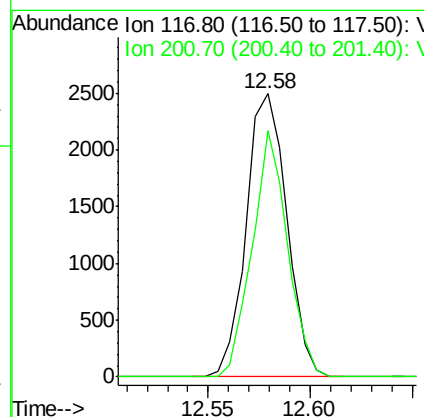
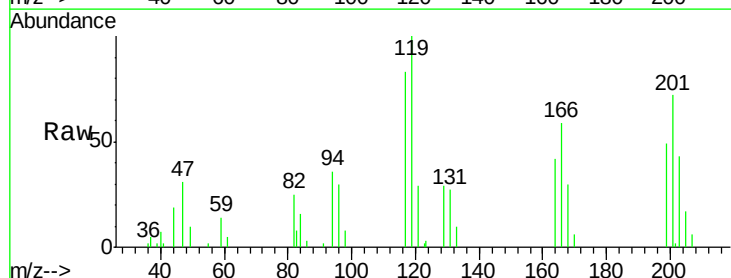
Manual Integrations
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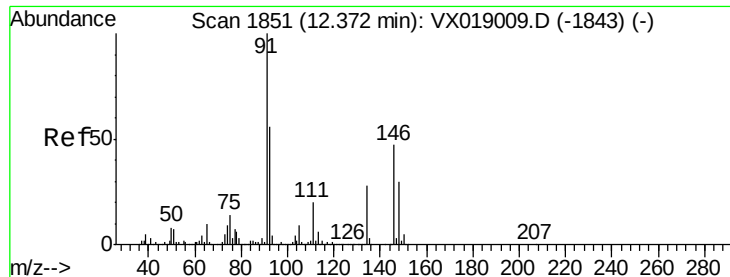
MMDadoda
10/23/2020 12:05:17 PM



#90
Hexachloroethane
Concen: 2.073 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX019019.D
Acq: 22 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.8	37.1	111.3





#91

1,2-Dichlorobenzene

Concen: 2.407 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.01 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

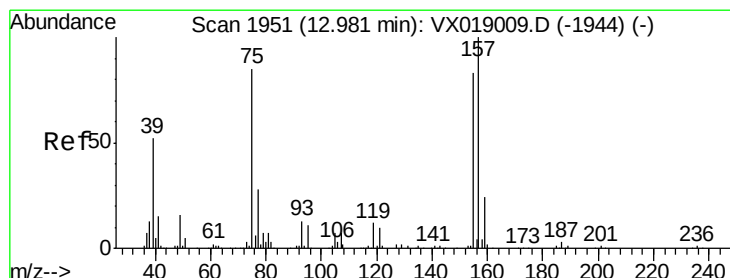
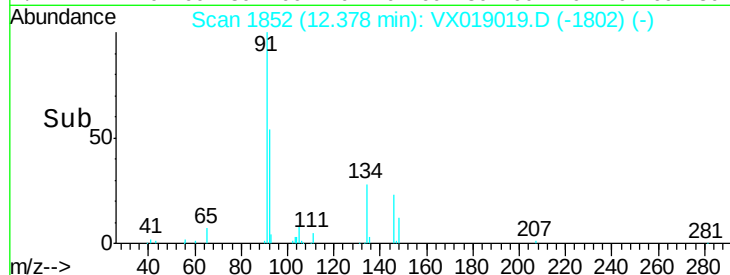
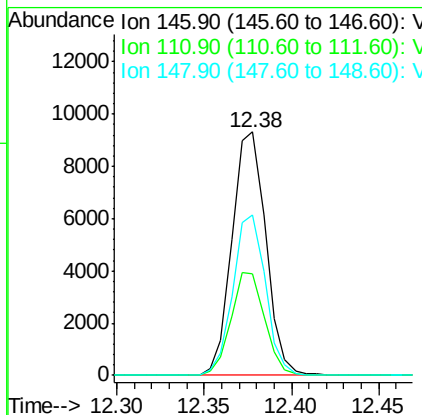
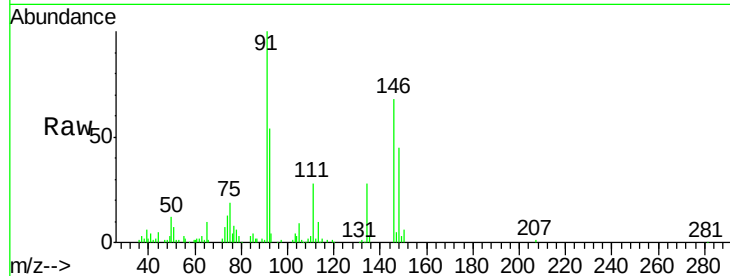
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	146	Resp:	12568
Ion Ratio	Lower	Upper	
146	100		
111	42.0	19.9	59.7
148	63.3	31.4	94.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 2.408 ug/l

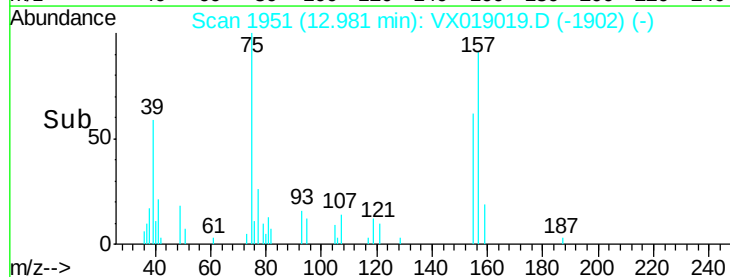
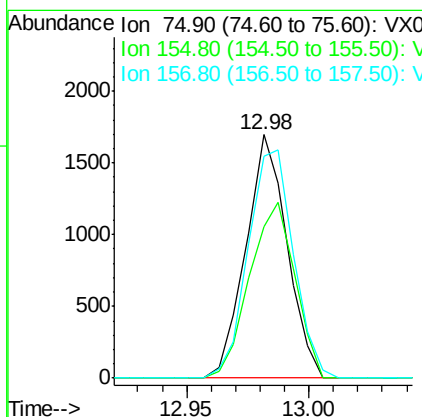
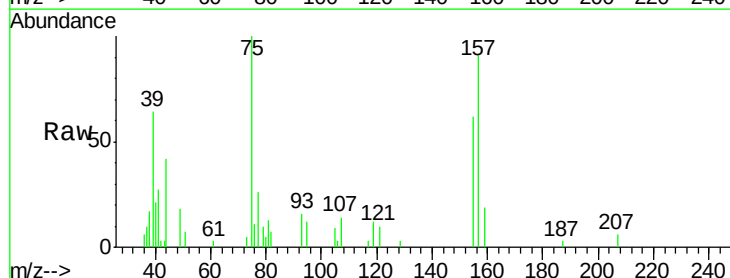
RT: 12.98 min Scan# 1951

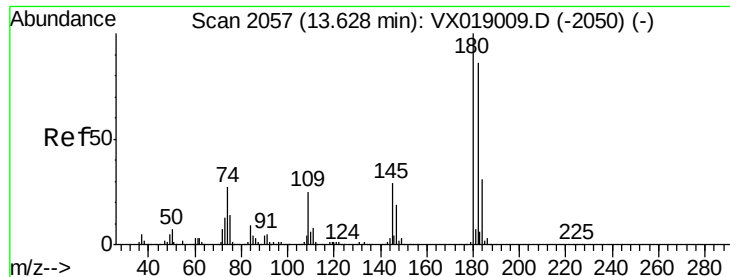
Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Tgt Ion:	75	Resp:	1997
Ion Ratio	Lower	Upper	
75	100		
155	79.3	47.3	142.0
157	103.2	59.7	179.0





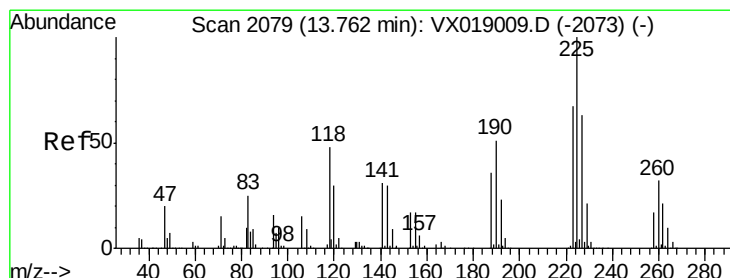
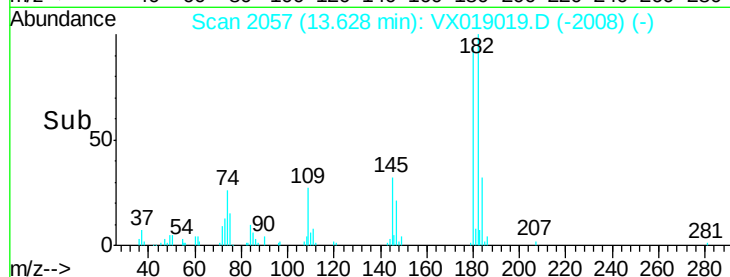
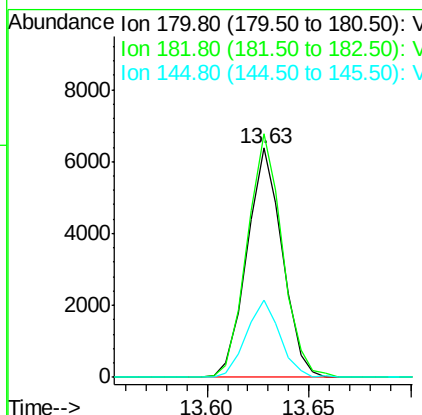
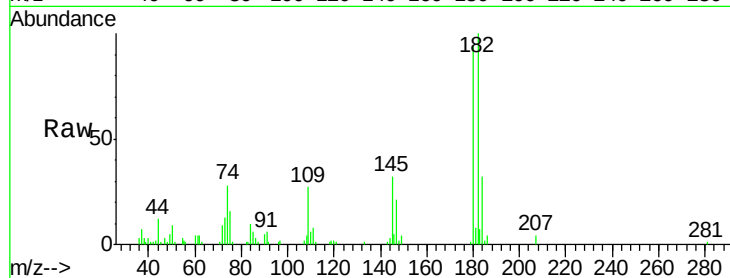
#93
1,2,4-Trichlorobenzene
Concen: 2.006 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. -0.00 min
Lab File: VX019019.D
Acq: 22 Oct 2020 12:16

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	105.9	46.4	139.2
145	32.3	15.2	45.6

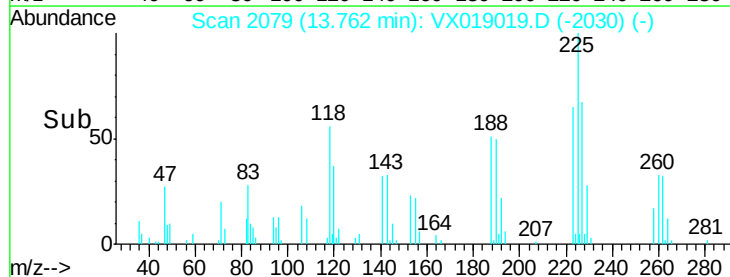
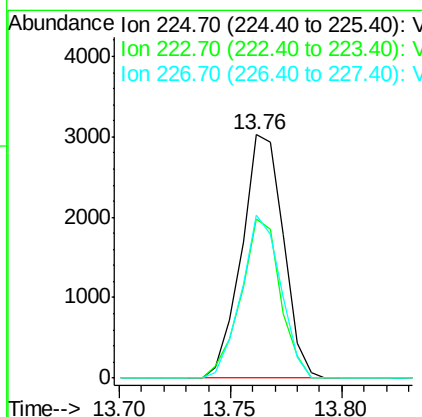
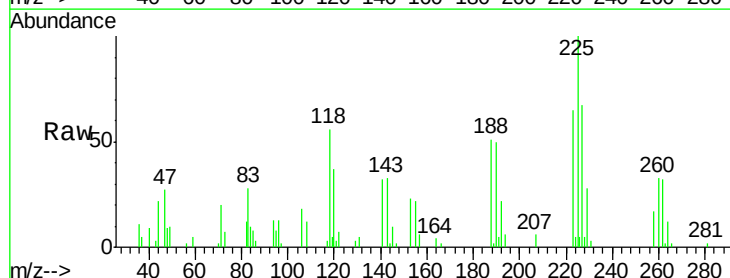
Manual Integrations
APPROVED

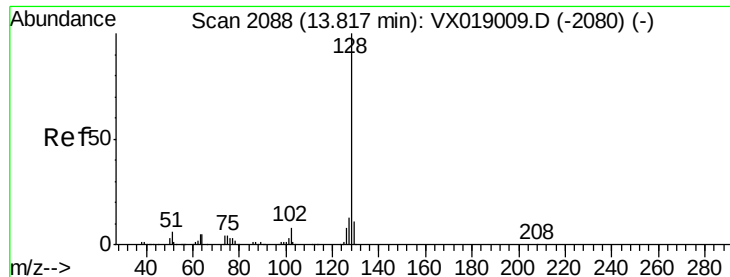
MMDadoda
10/23/2020 12:05:17 PM



#94
Hexachlorobutadiene
Concen: 2.229 ug/l
RT: 13.76 min Scan# 2079
Delta R.T. -0.00 min
Lab File: VX019019.D
Acq: 22 Oct 2020 12:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	32.5	97.4
227	63.0	31.9	95.7





#95

Naphthalene

Concen: 2.111 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Instrument :

MSVOA_X

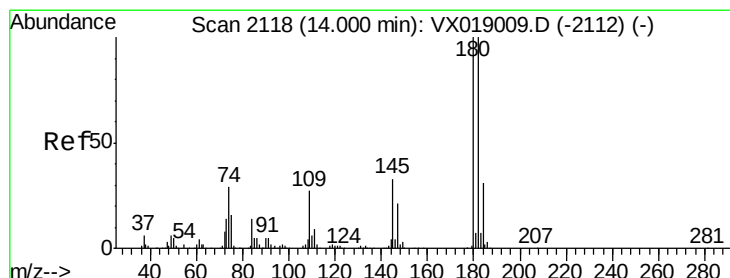
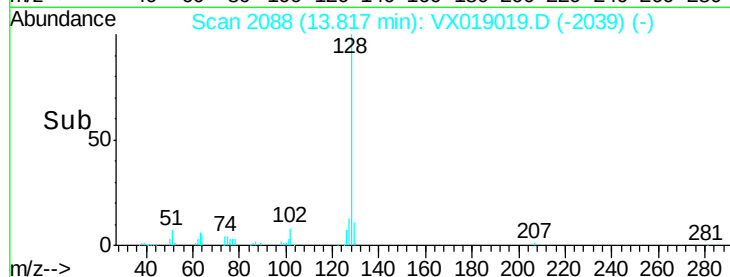
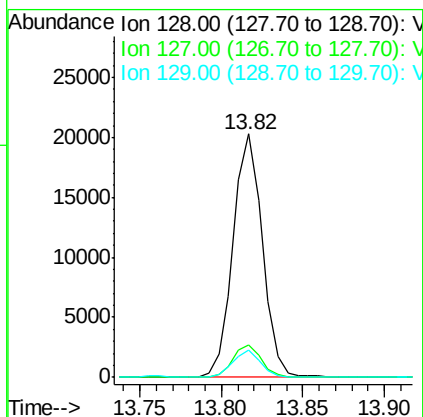
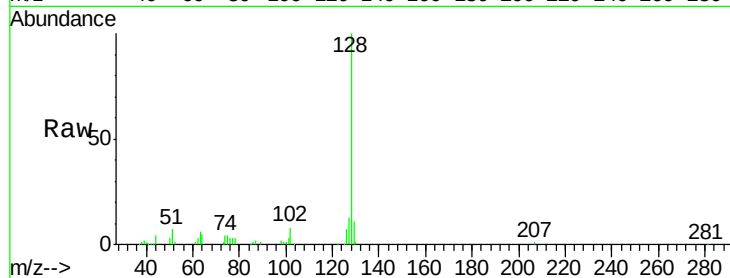
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	128	Resp:	25379
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/23/2020 12:05:17 PM



#96

1,2,3-Trichlorobenzene

Concen: 2.037 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VX019019.D

Acq: 22 Oct 2020 12:16

Tgt Ion:	180	Resp:	7576
Ion	Ratio	Lower	Upper
180	100		
182	103.6	47.3	142.0
145	30.5	15.9	47.6

