

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102620\
 Data File : VX019118.D
 Acq On : 26 Oct 2020 13:20
 Operator : JC/SP
 Sample : L4214-09 2.5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/27/2020 6:55:09 PM

Quant Time: Oct 27 05:30:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 11:58:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	43600	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.82	114	249044	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	221518	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	89387	30.78	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.60%
60) 4-Bromofluorobenzene	11.12	95	100366	30.19	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.63%
63) Toluene-d8	8.70	98	295224	30.19	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	5280	2.410 ug/l	98
3) Chloromethane	1.31	50	5255	2.654 ug/l	99
4) Vinyl Chloride	1.39	62	6187	2.384 ug/l	100
5) Bromomethane	1.64	94	7276	3.647 ug/l	99
6) Chloroethane	1.72	64	4474	2.544 ug/l	93
7) Trichlorofluoromethane	1.92	101	11006	2.436 ug/l	95
8) Diethyl Ether	2.17	74	4353	2.570 ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.37	101	5604	2.596 ug/l	97
10) 1,1-Dichloroethene	2.36	96	5279	2.405 ug/l	88
11) Methyl Iodide	2.50	142	4616	8.942 ug/l	92
12) Methyl Acetate	2.75	43	5204	2.395 ug/l	97
13) Acrolein	2.27	56	3795	18.969 ug/l	97
14) Acrylonitrile	3.12	53	12660	12.403 ug/l	98
15) Acetone	2.42	58	4340	14.842 ug/l	96
16) Carbon Disulfide	2.55	76	14511	2.379 ug/l	97
17) Allyl chloride	2.71	41	6862	2.503 ug/l	95
18) Methylene Chloride	2.83	84	8363	3.341 ug/l	99
19) trans-1,2-Dichloroethene	3.14	96	6388	2.492 ug/l	97
20) Diisopropyl ether	3.82	45	14036	2.527 ug/l #	84
21) 1,1-Dichloroethane	3.67	63	10274	2.520 ug/l	99
22) cis-1,2-Dichloroethene	4.56	96	7465	2.514 ug/l	97
23) tert-Butyl Alcohol	3.02	59	7127	14.402 ug/l #	100
24) Methyl tert-Butyl Ether	3.16	73	16986	2.448 ug/l	97
25) Chloroform	5.18	83	11109	2.459 ug/l	98
26) Cyclohexane	5.55	56	7766m	2.451 ug/l	
29) 1,1-Dichloropropene	5.77	75	8463	2.409 ug/l	99
30) 2-Butanone	4.64	43	17755	12.685 ug/l	96
31) 2,2-Dichloropropane	4.54	77	9585	2.384 ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	10051	2.380 ug/l	96
33) Carbon Tetrachloride	5.74	117	8349m	2.278 ug/l	
34) Benzene	6.11	78	24548	2.375 ug/l	98
35) Methacrylonitrile	5.00	41	3695	2.439 ug/l	93
36) 1,2-Dichloroethane	6.16	62	8504	2.398 ug/l	97
37) Trichloroethene	7.19	130	7156	2.408 ug/l	99
38) Methylcyclohexane	7.43	83	9374	2.380 ug/l	96
39) 1,2-Dichloropropane	7.49	63	5979	2.492 ug/l	96
40) Dibromomethane	7.64	93	4419	2.373 ug/l	98

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Instrument :
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Manual Integrations
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 10/27/2020 6:55:09 PM

Quant Time: Oct 27 05:30:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 11:58:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.87	83	8446	2.294	ug/l	96
42) Vinyl Acetate	3.78	43	62459	11.469	ug/l	100
43) Ethyl Acetate	4.79	43	6306	2.148	ug/l #	81
44) Isopropyl Acetate	6.40	43	11865	2.413	ug/l	96
45) 1,4-Dioxane	7.74	88	2620m	50.696	ug/l	
46) Methyl methacrylate	7.74	41	5383	2.313	ug/l	92
47) n-amyl Acetate	10.88	43	8436	2.139	ug/l	98
48) t-1,3-Dichloropropene	9.02	75	8964	2.175	ug/l	99
49) cis-1,3-Dichloropropene	8.42	75	9735	2.219	ug/l	96
50) 1,1,2-Trichloroethane	9.20	97	6395	2.371	ug/l	98
51) Ethyl methacrylate	9.16	69	8225	2.090	ug/l	98
52) 1,3-Dichloropropane	9.35	76	10704	2.436	ug/l	100
53) Dibromochloromethane	9.56	129	6613	2.202	ug/l	98
54) 1,2-Dibromoethane	9.65	107	6786	2.315	ug/l	98
55) 2-Chloroethyl vinyl ether	8.29	63	22561	10.726	ug/l	97
56) Bromoform	10.84	173	4330	2.063	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	33759	12.085	ug/l	98
59) 2-Hexanone	9.47	43	25180	12.096	ug/l	99
61) Tetrachloroethene	9.32	164	7166	2.727	ug/l	91
62) Toluene	8.76	91	27734	2.382	ug/l	98
64) Chlorobenzene	10.12	112	17981	2.485	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.20	131	6122	2.326	ug/l	98
66) Ethyl Benzene	10.23	91	30214	2.367	ug/l	97
67) m/p-Xylenes	10.34	106	22696	4.663	ug/l	99
68) o-Xylene	10.68	106	11097	2.390	ug/l	98
69) Styrene	10.70	104	17306	2.212	ug/l	98
70) Isopropylbenzene	11.00	105	29358	2.352	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	8841	2.453	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	8300m	2.561	ug/l	
73) Bromobenzene	11.24	156	7186	2.355	ug/l	98
74) n-propylbenzene	11.34	91	32374	2.290	ug/l	98
75) 2-Chlorotoluene	11.40	91	19336	2.418	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	23235	2.294	ug/l	99
77) t-1,4-Dichloro-2-butene	11.05	75	2628	2.042	ug/l	76
78) 4-Chlorotoluene	11.49	91	22450	2.390	ug/l	100
79) tert-butylbenzene	11.76	119	23606	2.367	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	23075	2.292	ug/l	99
81) sec-Butylbenzene	11.93	105	27640	2.342	ug/l	100
82) p-Isopropyltoluene	12.05	119	24062	2.212	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	13118	2.406	ug/l	100
84) 1,4-Dichlorobenzene	12.08	146	13122	2.370	ug/l	98
85) n-Butylbenzene	12.37	91	21760	2.234	ug/l	98
86) Hexachloroethane	12.58	117	3308	1.980	ug/l	88
87) 1,2-Dichlorobenzene	12.38	146	12734	2.439	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	12.98	75	1981	2.429	ug/l #	83
89) 1,2,4-Trichlorobenzene	13.63	180	8100	2.156	ug/l	98
90) Hexachlorobutadiene	13.77	225	3796	2.383	ug/l	98
91) Naphthalene	13.82	128	24694	2.008	ug/l	98
92) 1,2,3-Trichlorobenzene	14.00	180	8288	2.294	ug/l	98

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Oct 27 05:30:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102320W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Oct 26 11:58:08 2020
Response via : Initial Calibration

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

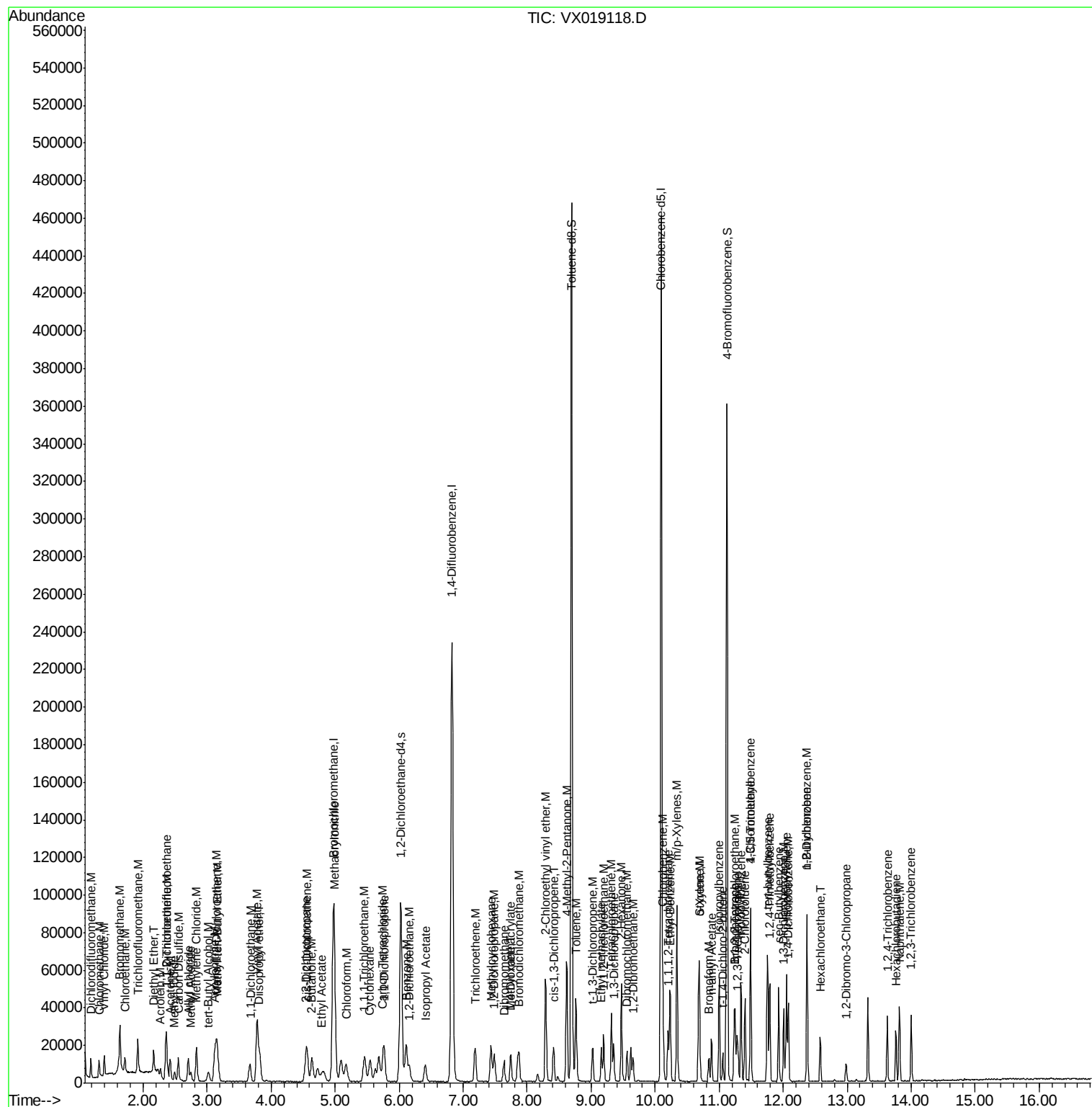
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 Data File : VX019118.D
 Acq On : 26 Oct 2020 13:20
 Operator : JC/SP
 Sample : L4214-09 2.5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

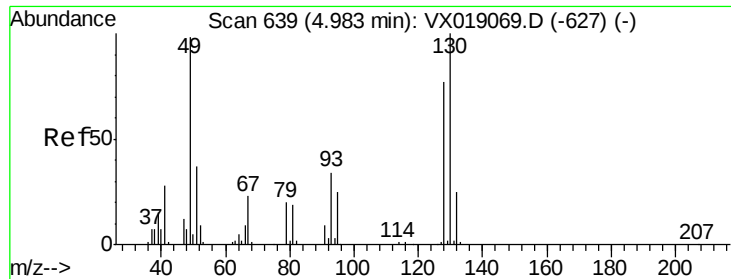
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 10/27/2020 6:55:09 PM

Quant Time: Oct 27 05:30:58 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 11:58:08 2020
 Response via : Initial Calibration





#1

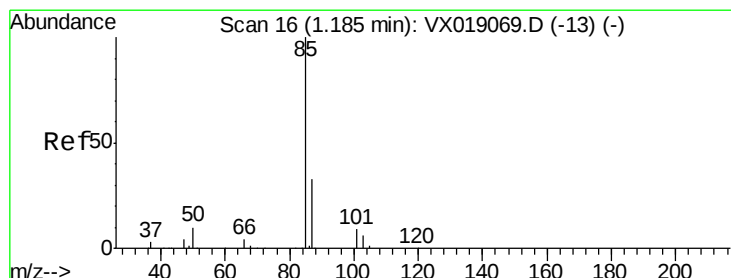
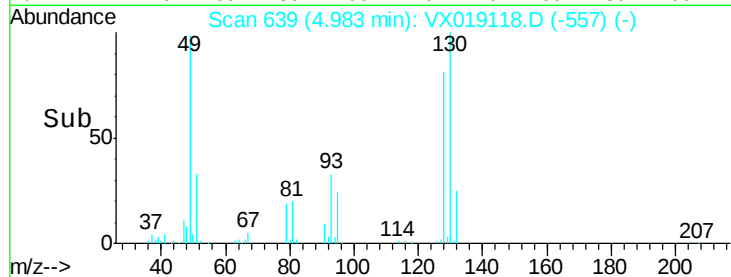
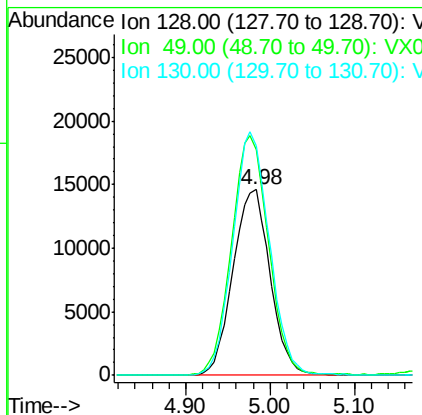
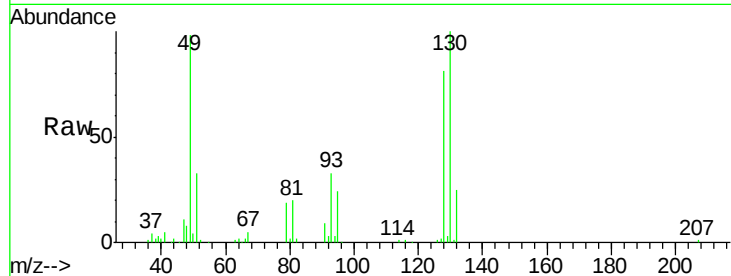
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

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

Tot Ion	Ratio	Lower	Upper
128	100		
49	128.7	0.0	318.8
130	128.9	0.0	321.8

Manual Integrations
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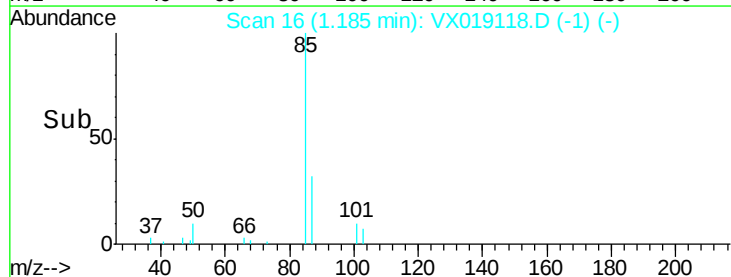
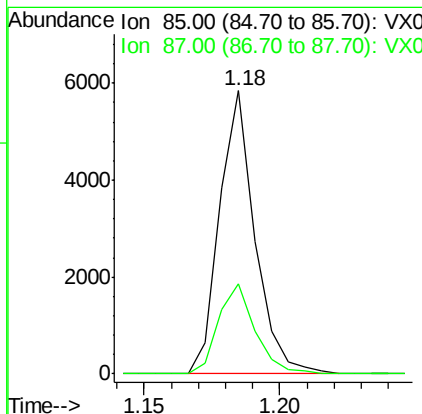
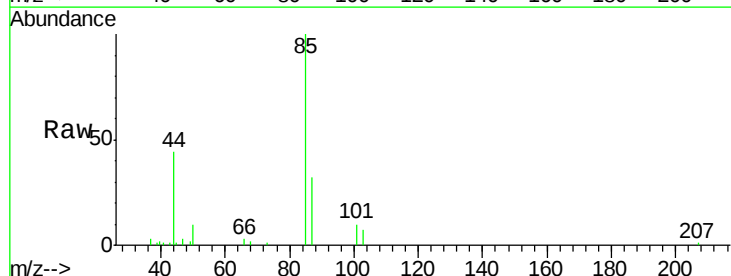
MMDadoda
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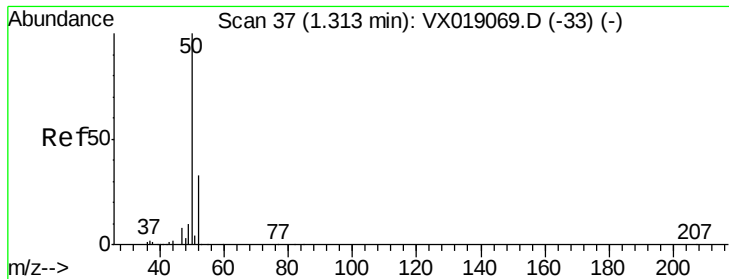


#2

Dichlorodifluoromethane
Concen: 2.410 ug/l
RT: 1.18 min Scan# 16
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.9	16.6	49.7





#3

Chloromethane

Concen: 2.654 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 50 Resp: 5255

Ion Ratio Lower Upper

50 100

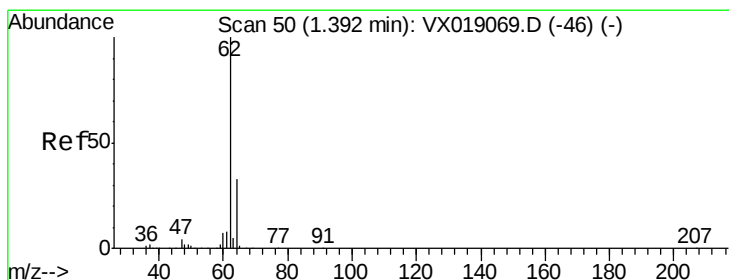
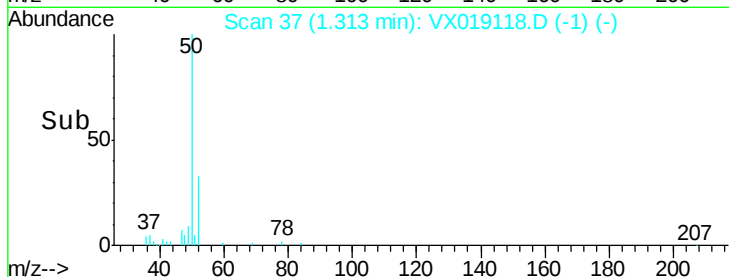
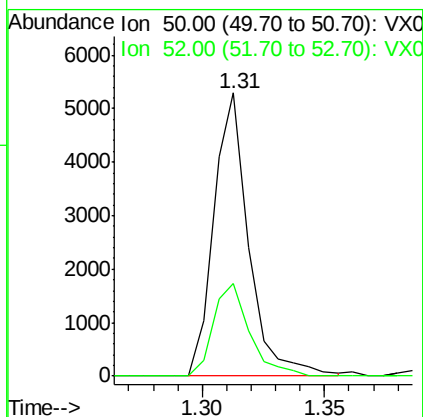
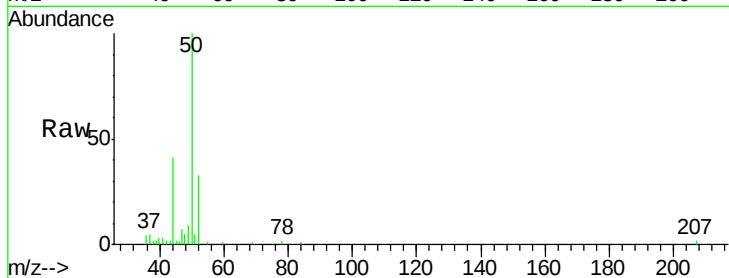
52 32.9 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 2.384 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019118.D

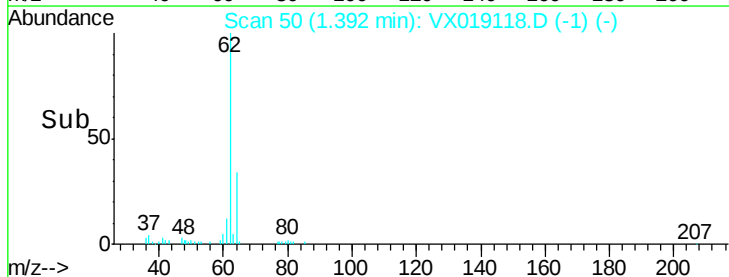
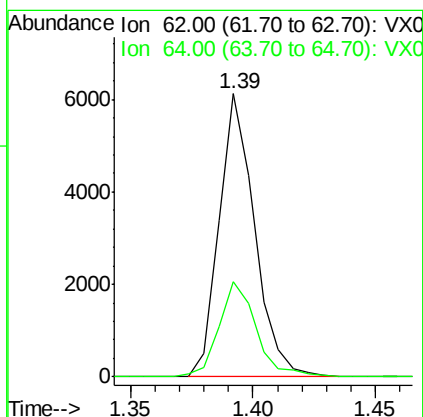
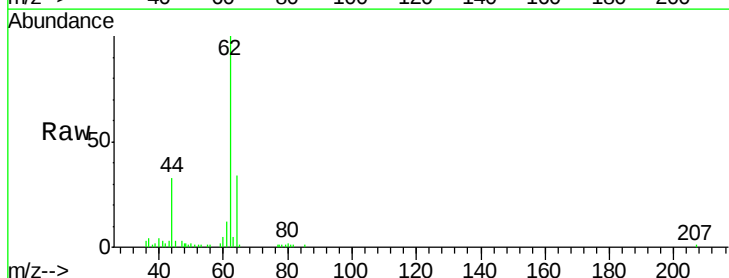
Acq: 26 Oct 2020 13:20

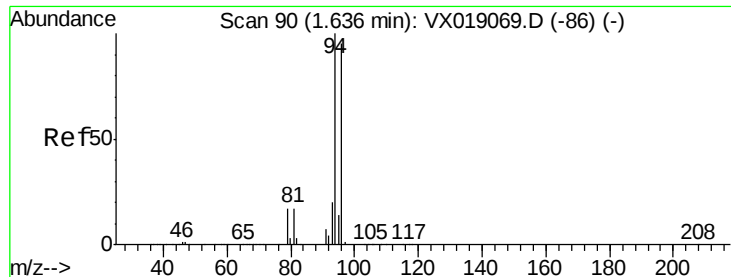
Tgt Ion: 62 Resp: 6187

Ion Ratio Lower Upper

62 100

64 33.7 26.7 40.1





#5

Bromomethane

Concen: 3.647 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 94 Resp: 7276

Ion Ratio Lower Upper

94 100

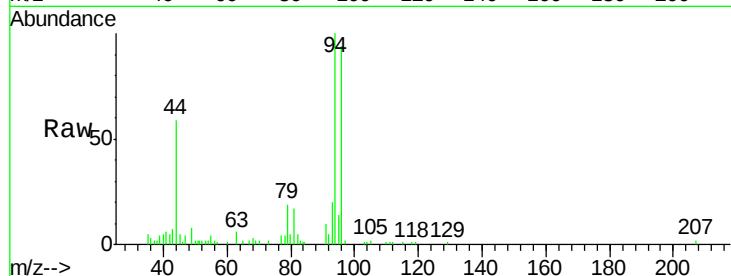
96 93.9 76.2 114.2

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.64

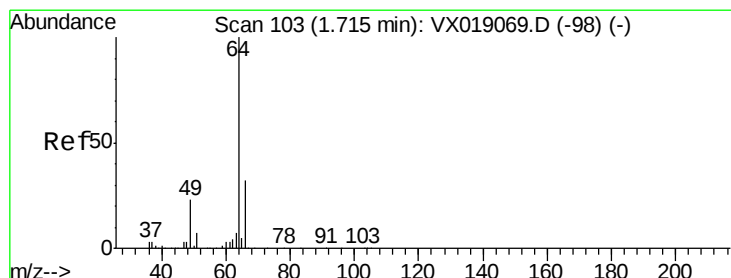
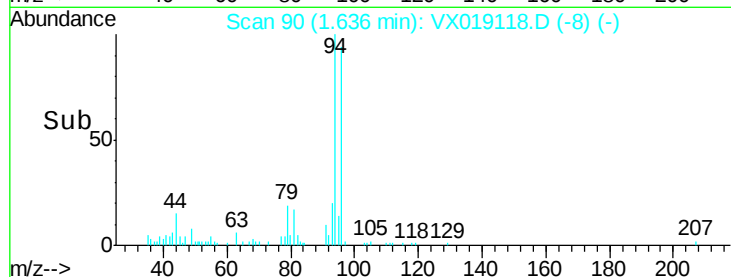
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 2.544 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX019118.D

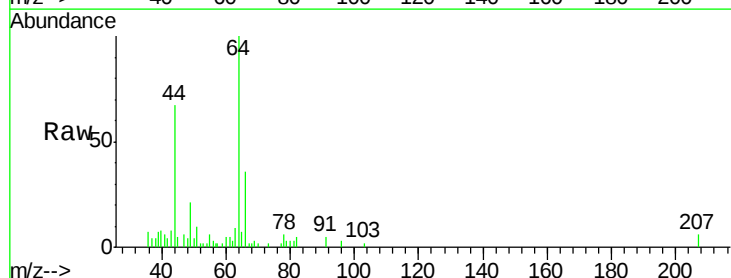
Acq: 26 Oct 2020 13:20

Tgt Ion: 64 Resp: 4474

Ion Ratio Lower Upper

64 100

66 36.5 25.9 38.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

4000

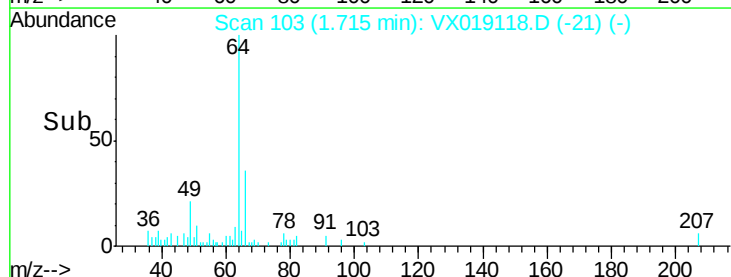
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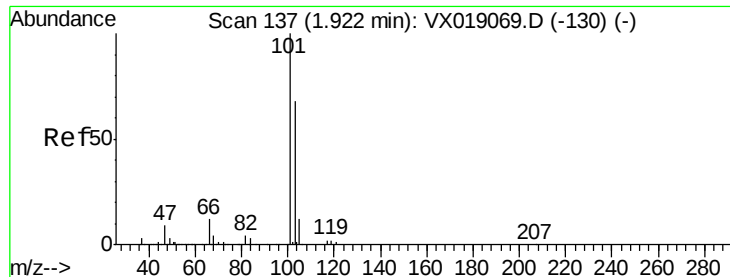
2000

1000

0

Time-->





#7

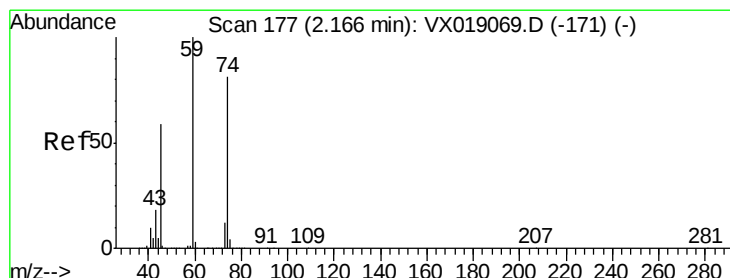
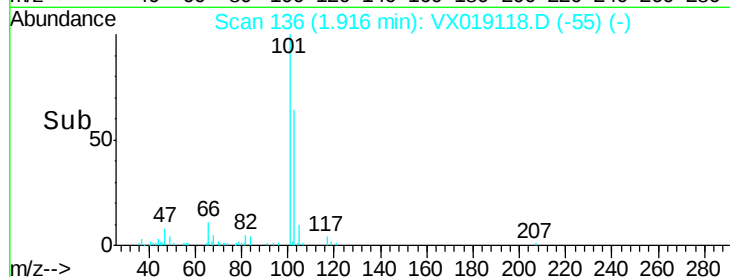
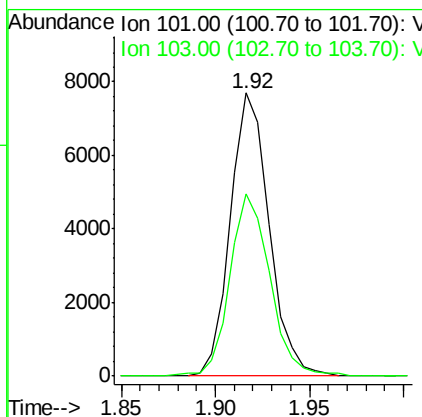
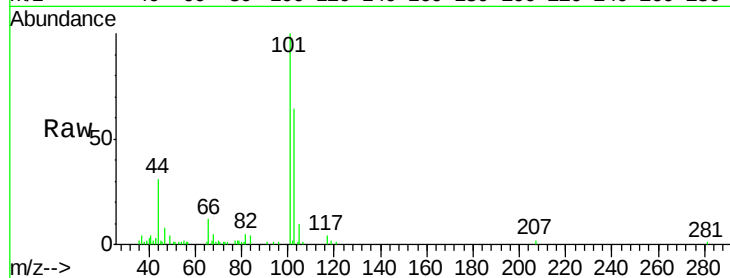
Trichlorofluoromethane
Concen: 2.436 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.01 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

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

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	54.2	81.4

Manual Integrations
APPROVED

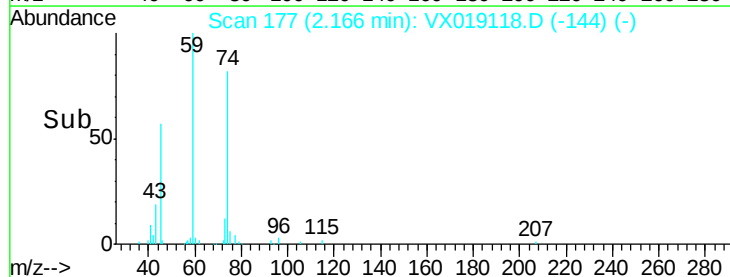
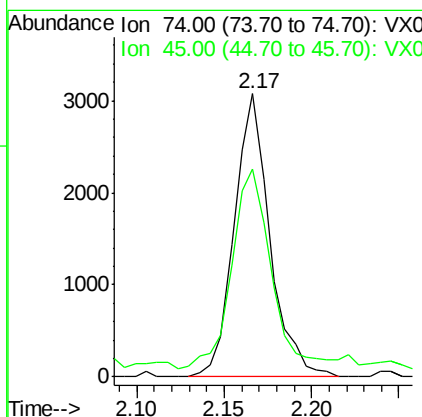
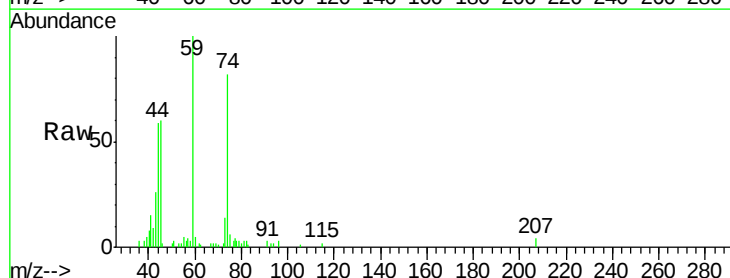
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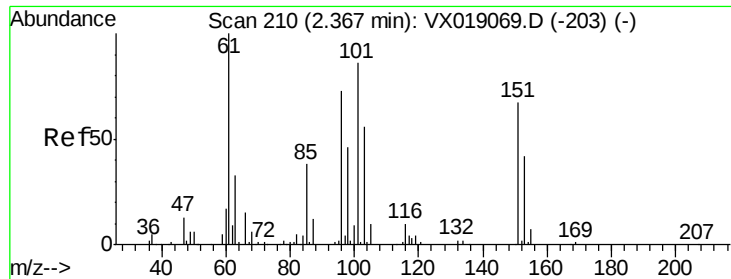


#8

Diethyl Ether
Concen: 2.570 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	79.1	14.5	130.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.596 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

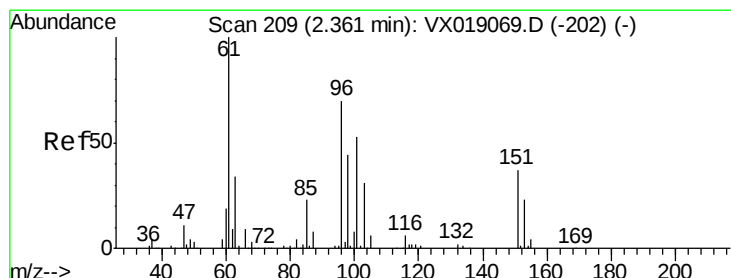
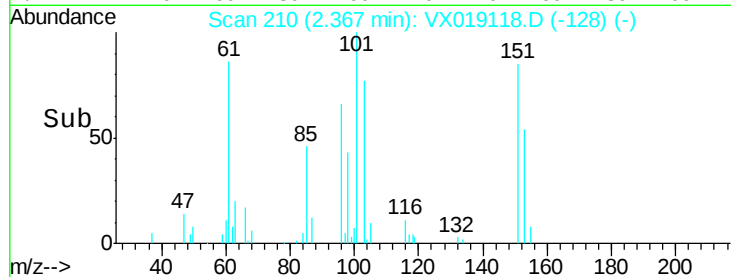
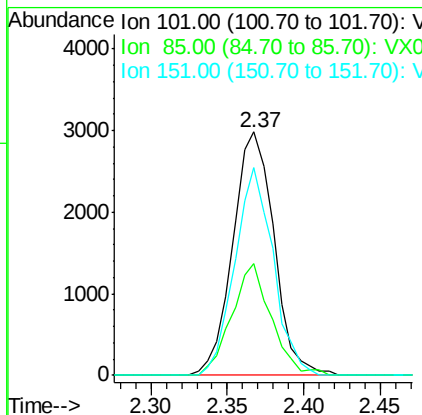
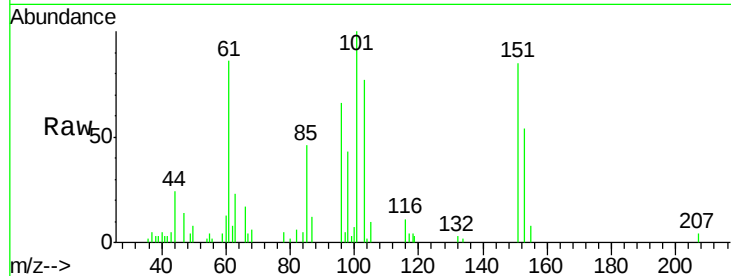
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	101	Resp:	5604
Ion Ratio	Lower	Upper	
101	100		
85	42.9	0.0	87.0
151	79.0	0.0	151.8

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#10

1,1-Dichloroethene

Concen: 2.405 ug/l

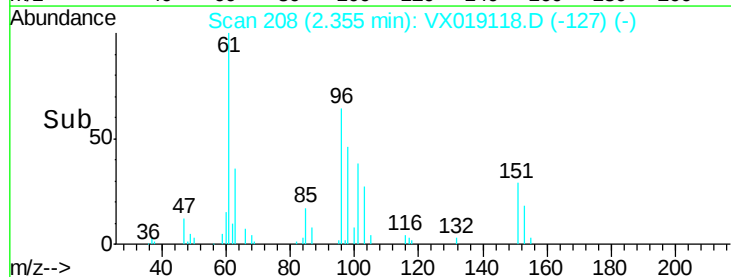
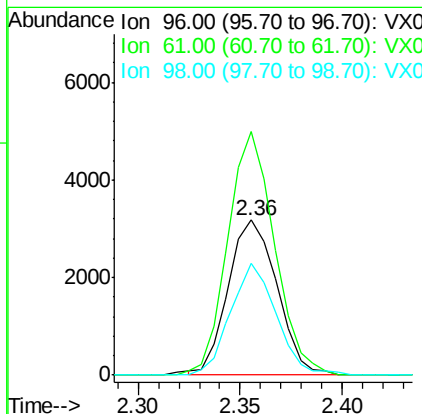
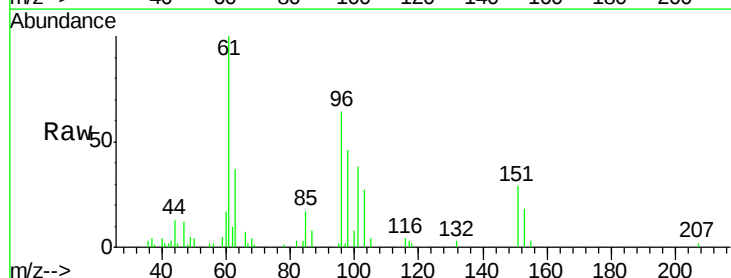
RT: 2.36 min Scan# 208

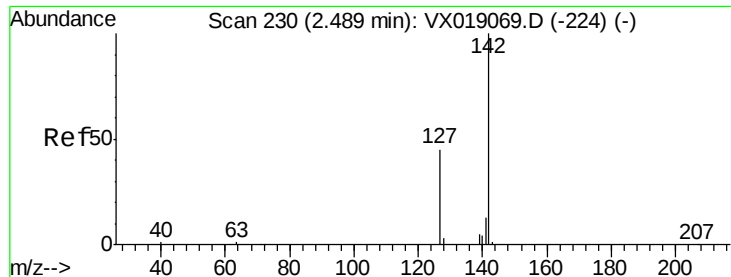
Delta R.T. -0.01 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Tgt Ion:	96	Resp:	5279
Ion Ratio	Lower	Upper	
96	100		
61	157.2	113.8	170.8
98	71.8	50.4	75.6





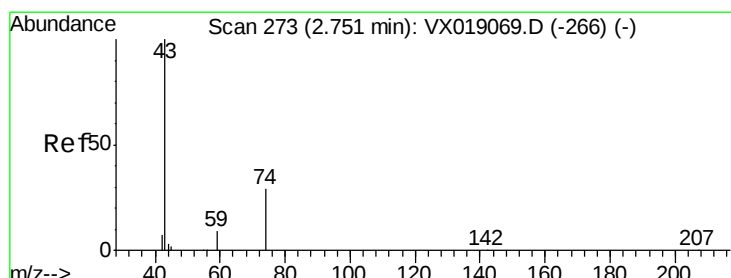
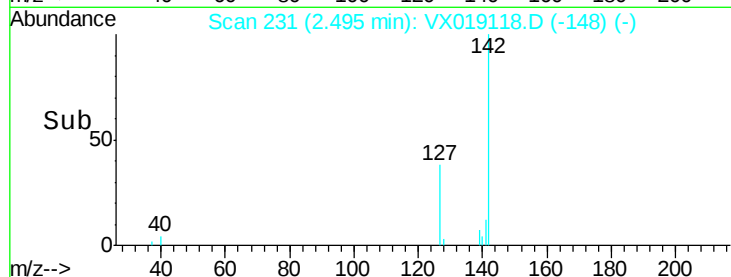
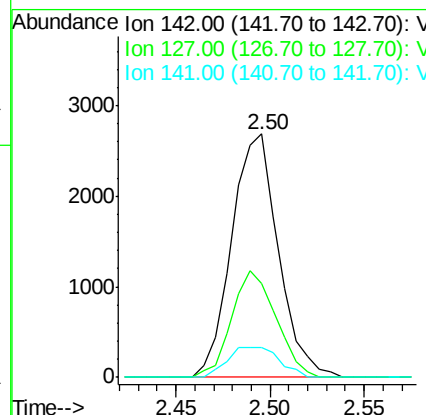
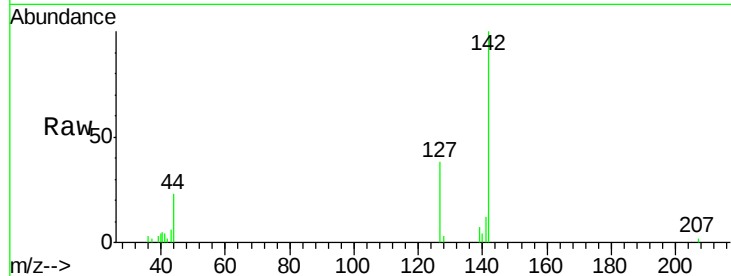
#11
Methvl Iodide
Concen: 8.942 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

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

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.3	22.6	67.7
141	12.5	6.3	19.1

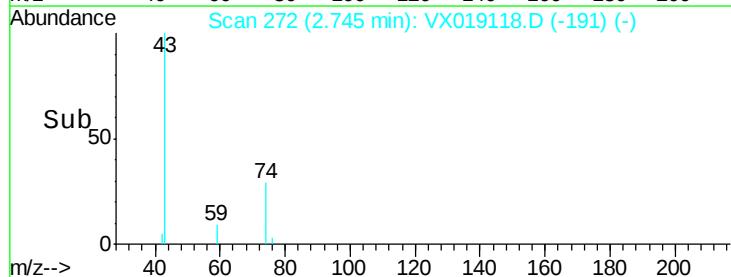
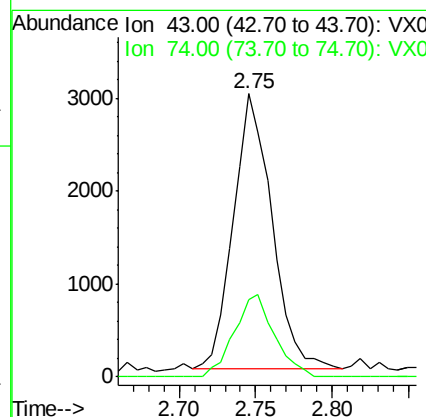
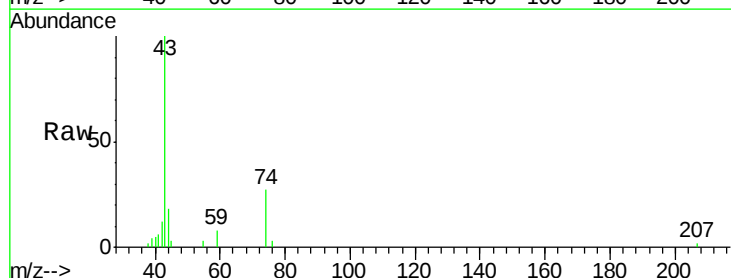
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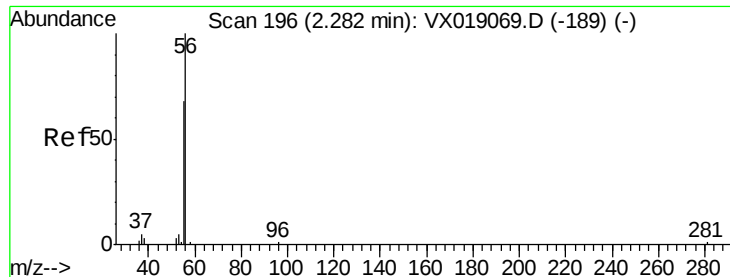
MMDadoda
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#12
Methyl Acetate
Concen: 2.395 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.1	23.9	35.9





#13

Acrolein

Concen: 18.969 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 56 Resp: 3795

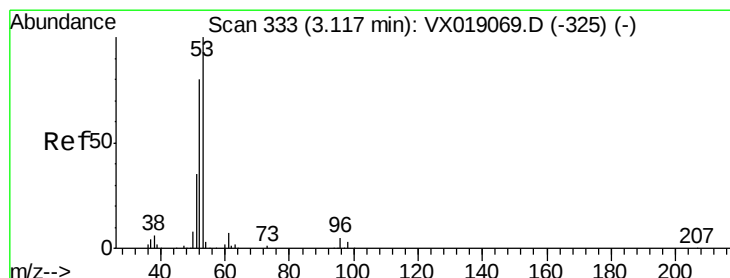
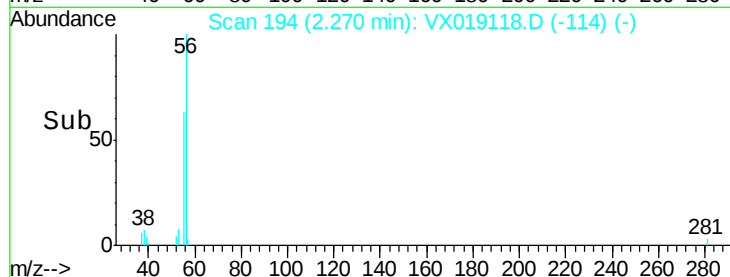
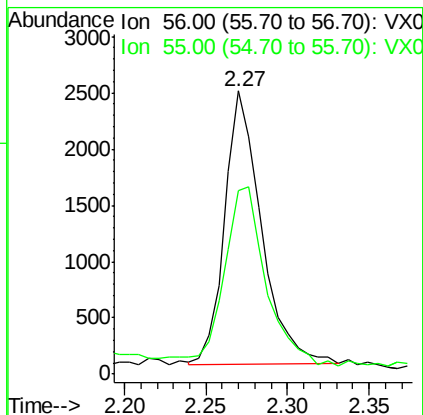
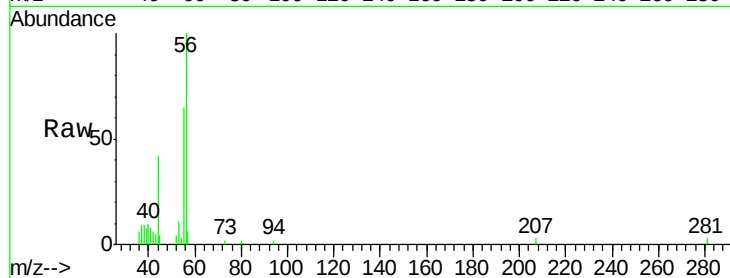
Ion Ratio Lower Upper

56 100

55 75.5 58.2 87.2

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#14

Acrylonitrile

Concen: 12.403 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

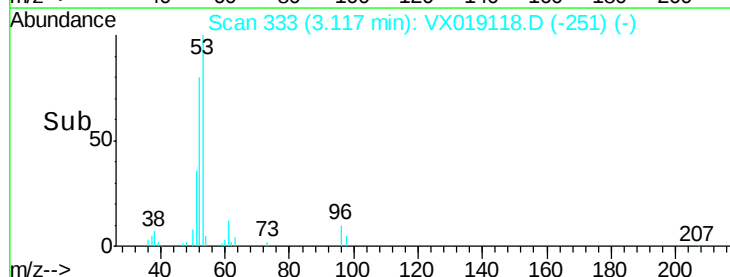
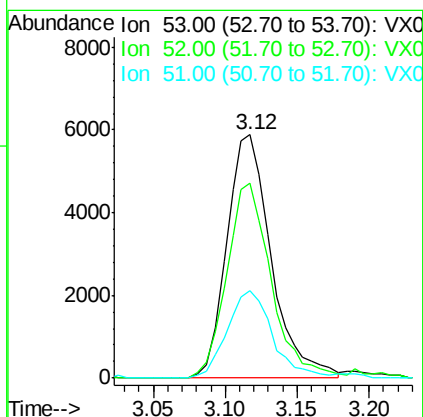
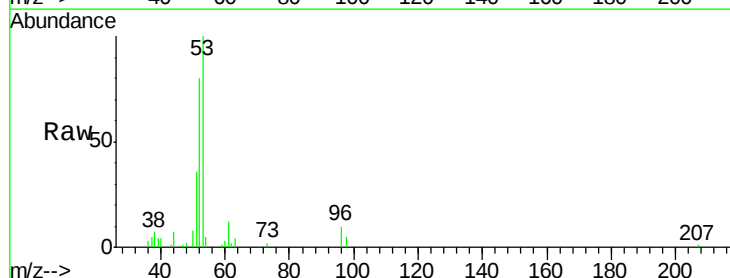
Tgt Ion: 53 Resp: 12660

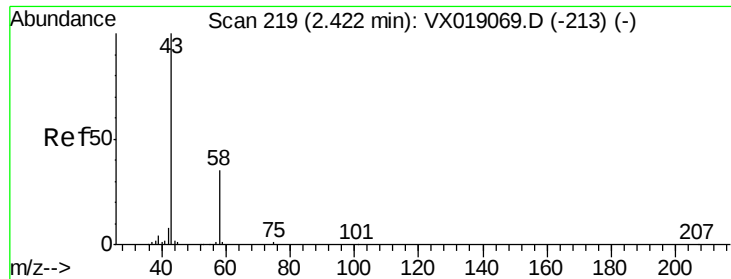
Ion Ratio Lower Upper

53 100

52 80.0 41.0 123.0

51 36.4 18.2 54.6





#15

Acetone

Concen: 14.842 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 58 Resp: 4340

Ion Ratio Lower Upper

58 100

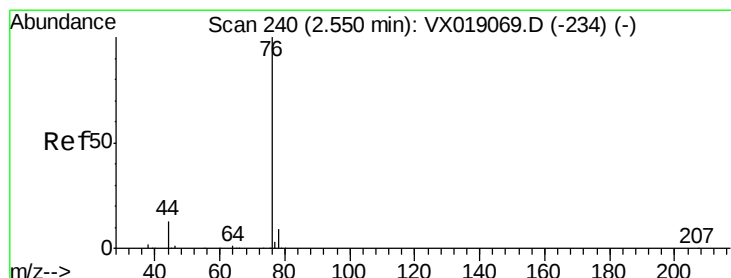
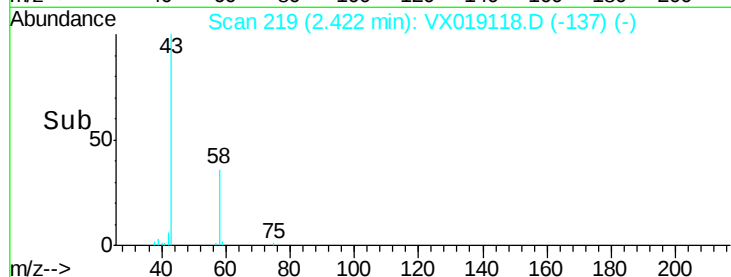
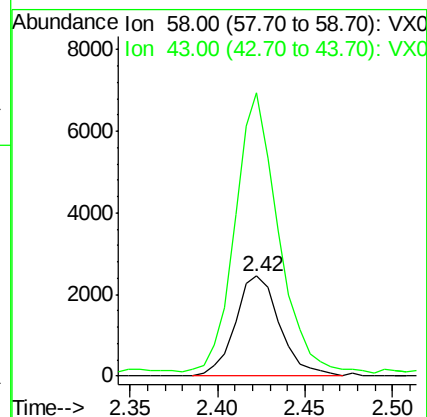
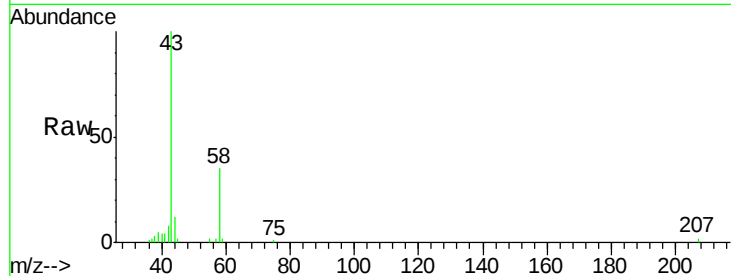
43 276.4 226.7 340.1

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#16

Carbon Disulfide

Concen: 2.379 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019118.D

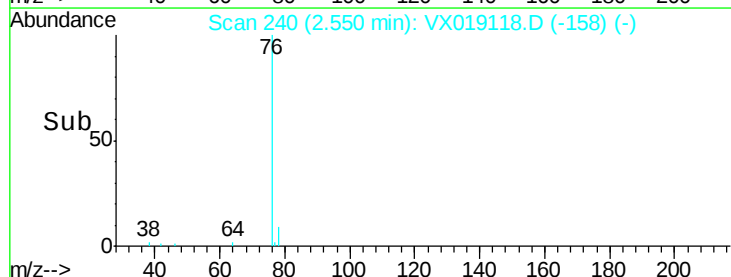
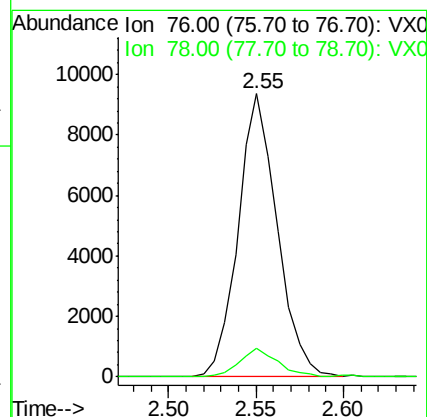
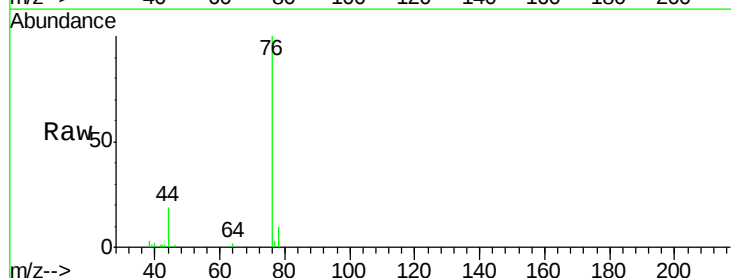
Acq: 26 Oct 2020 13:20

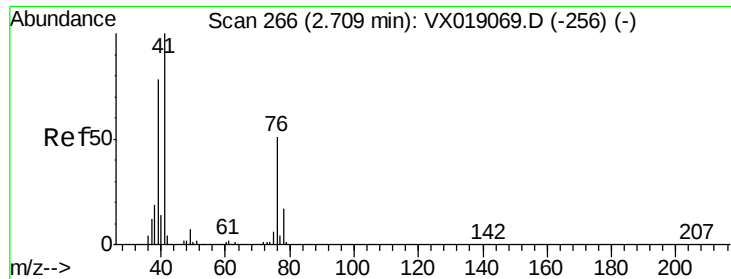
Tgt Ion: 76 Resp: 14511

Ion Ratio Lower Upper

76 100

78 9.9 7.2 10.8





#17

Allvl chloride

Concen: 2.503 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

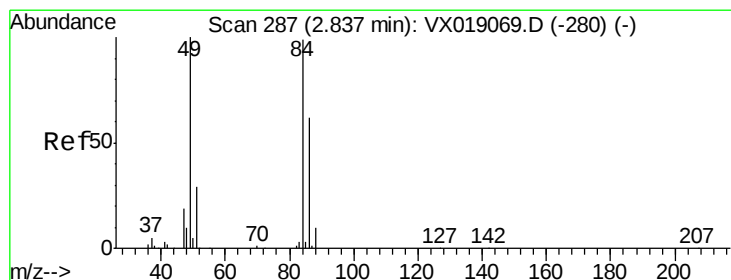
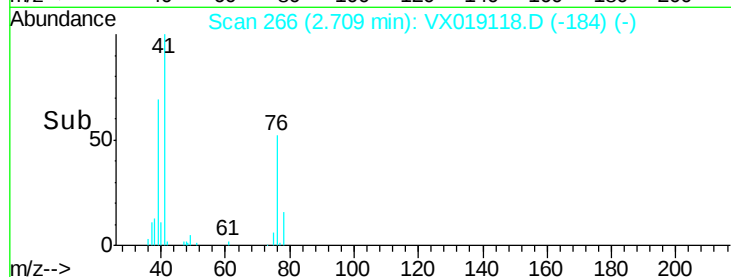
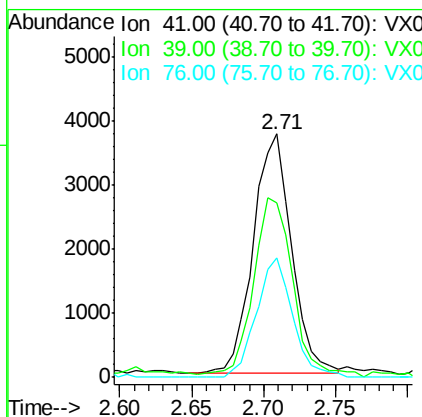
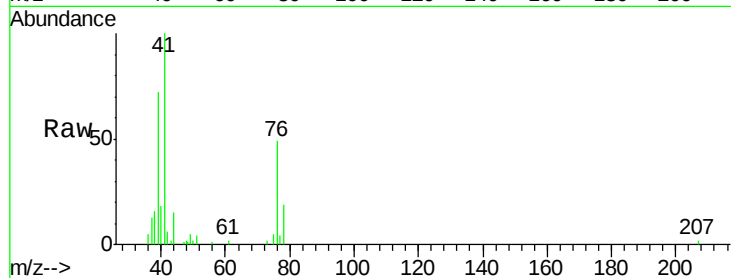
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	41	Resp:	6862
Ion	Ratio	Lower	Upper
41	100		
39	71.1	38.8	116.3
76	50.1	25.8	77.4

Manual Integrations
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#18

Methylene Chloride

Concen: 3.341 ug/l

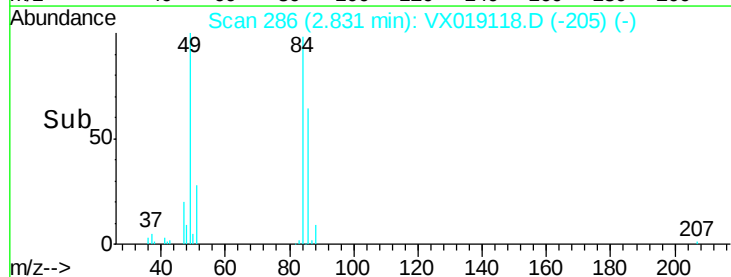
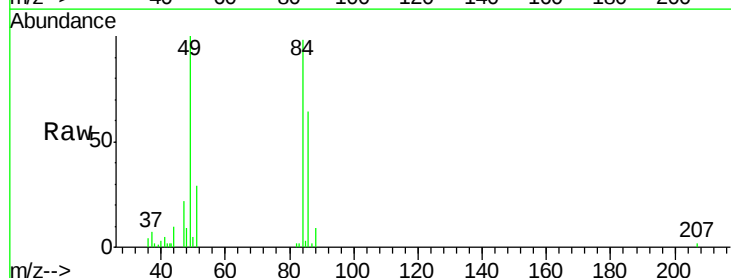
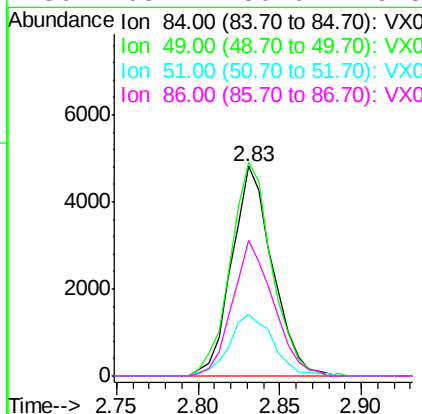
RT: 2.83 min Scan# 286

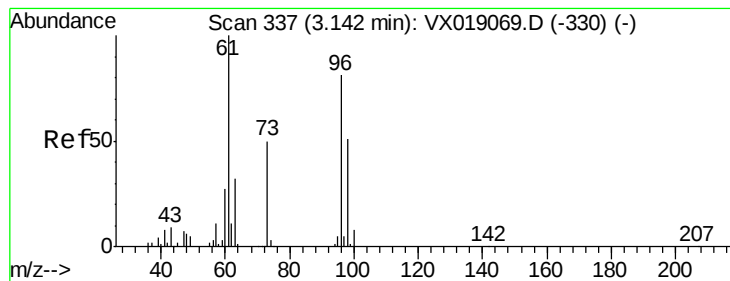
Delta R.T. -0.01 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Tgt Ion:	84	Resp:	8363
Ion	Ratio	Lower	Upper
84	100		
49	102.0	80.9	121.3
51	29.7	23.8	35.6
86	65.1	50.6	75.8





#19

trans-1,2-Dichloroethene

Concen: 2.492 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

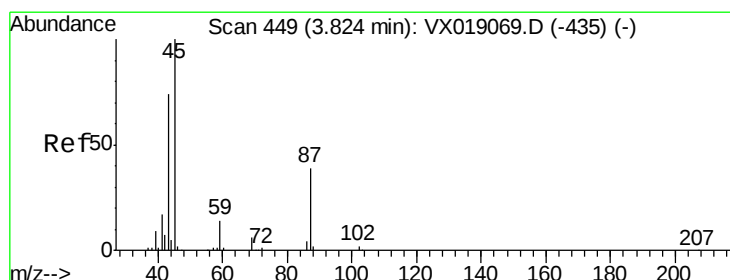
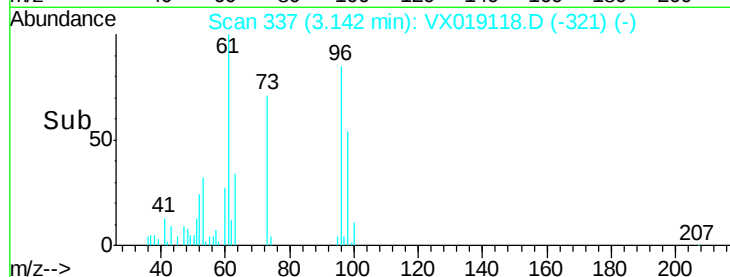
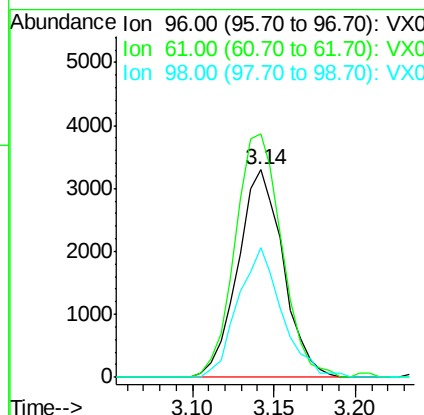
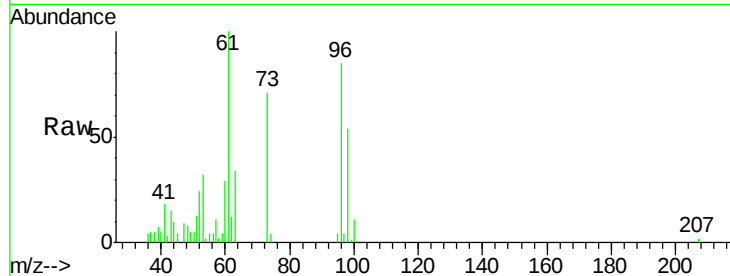
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	96	Resp:	6388
Ion	Ratio	Lower	Upper
96	100		
61	117.4	98.4	147.6
98	62.8	49.9	74.9

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#20

Diisopropyl ether

Concen: 2.527 ug/l

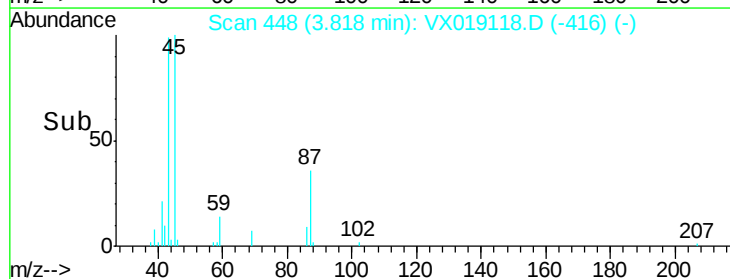
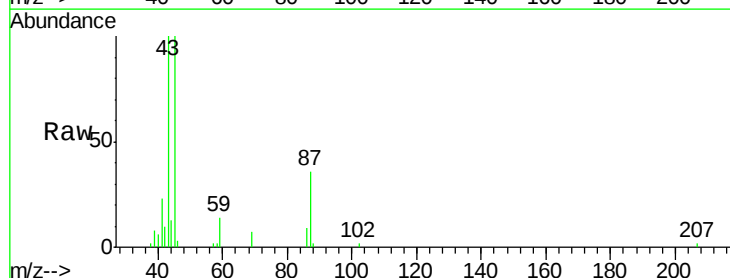
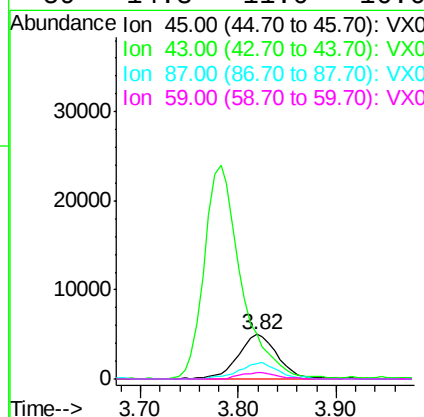
RT: 3.82 min Scan# 448

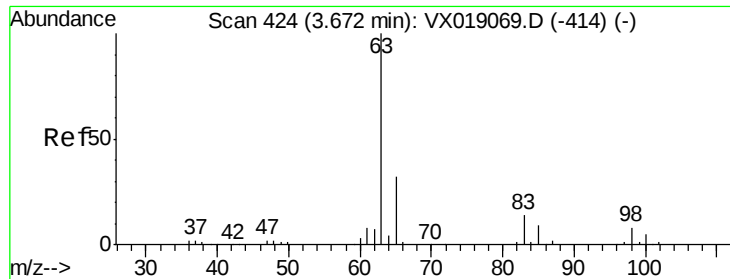
Delta R.T. -0.01 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Tgt Ion:	45	Resp:	14036
Ion	Ratio	Lower	Upper
45	100		
43	96.1	60.6	91.0#
87	35.7	30.9	46.3
59	14.3	11.0	16.6





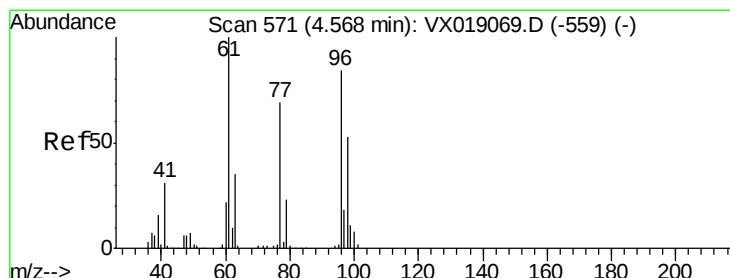
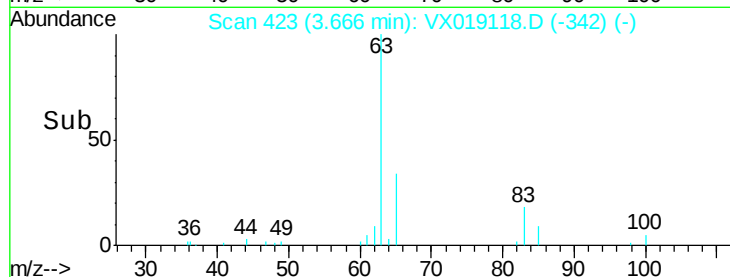
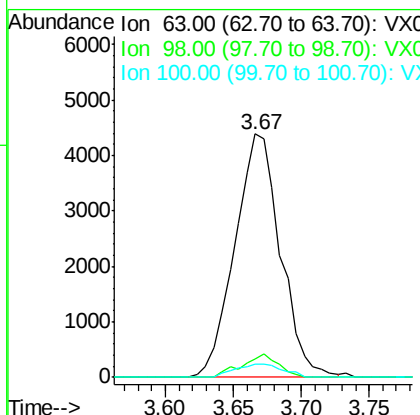
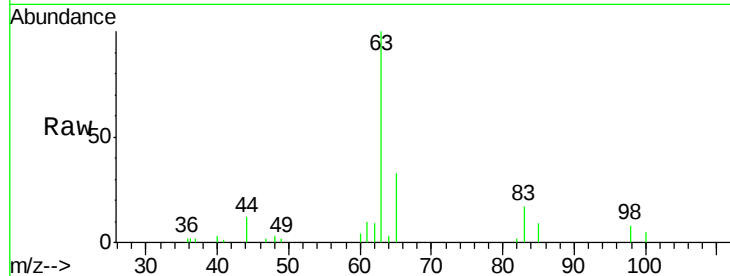
#21
1,1-Dichloroethane
Concen: 2.520 ug/l
RT: 3.67 min Scan# 423
Delta R.T. -0.01 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

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

Tot Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.9	11.7
100	5.2	2.4	7.2

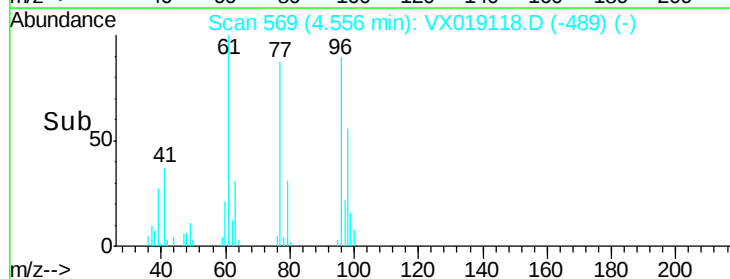
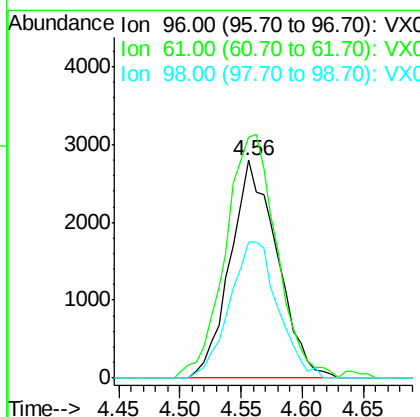
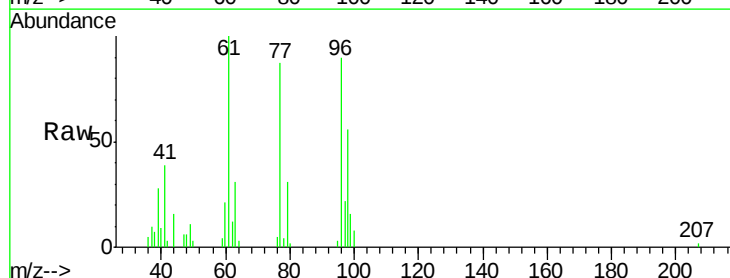
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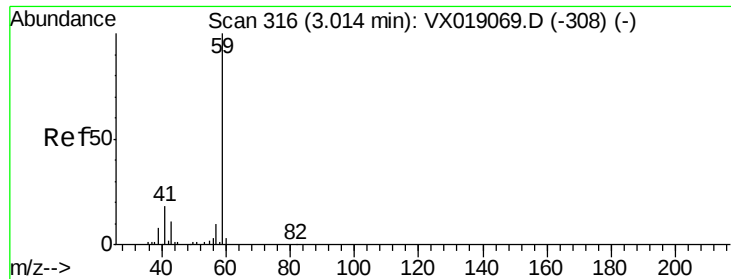
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#22
cis-1,2-Dichloroethene
Concen: 2.514 ug/l
RT: 4.56 min Scan# 569
Delta R.T. -0.01 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	122.3	101.9	152.9
98	64.2	51.3	76.9





#23

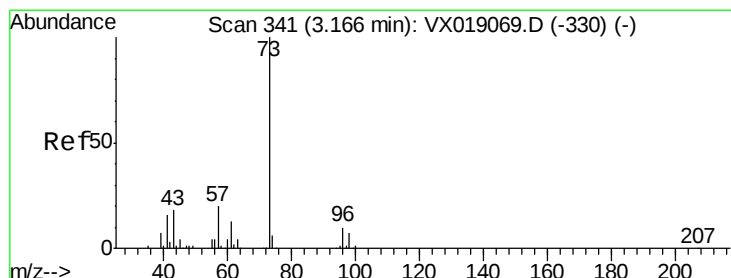
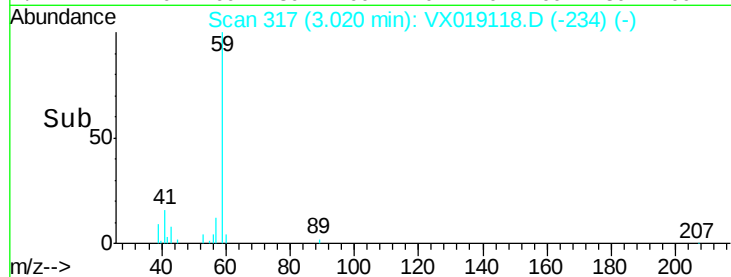
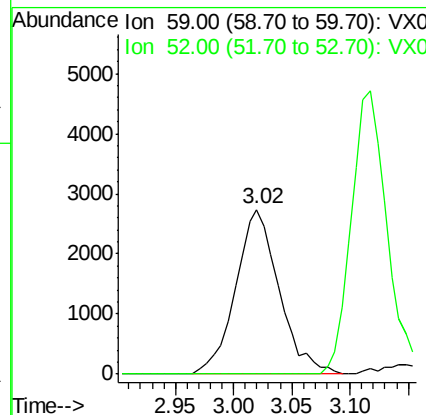
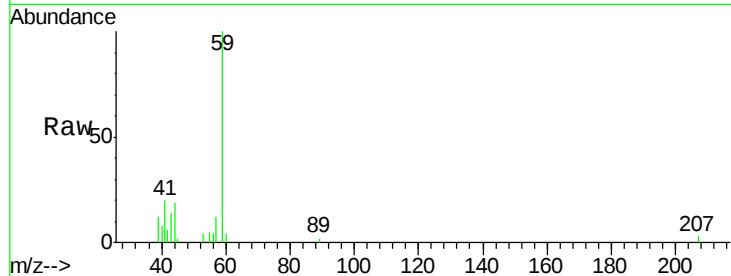
tert-Butyl Alcohol
 Concen: 14.402 ug/l
 RT: 3.02 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

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

Tot Ion: 59 Resp: 7127
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.2 0.4#

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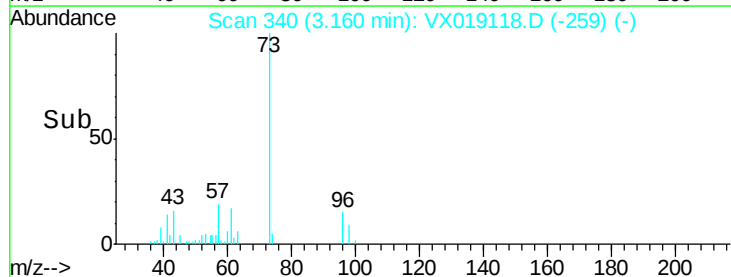
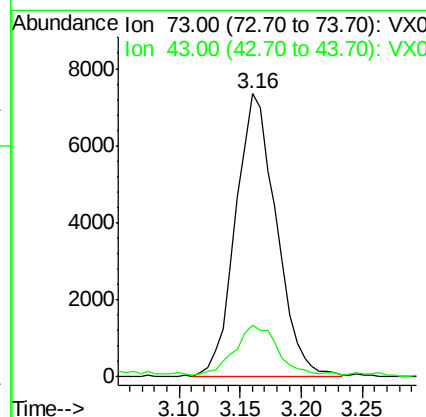
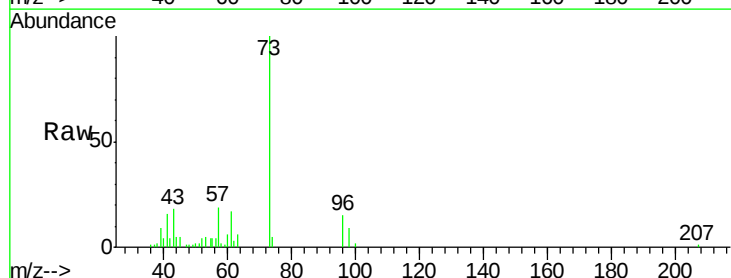
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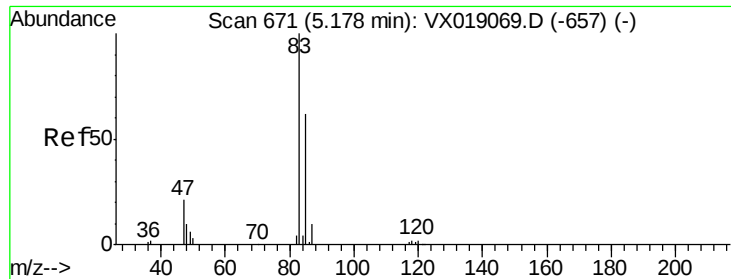


#24

Methyl tert-Butyl Ether
 Concen: 2.448 ug/l
 RT: 3.16 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

Tgt Ion: 73 Resp: 16986
 Ion Ratio Lower Upper
 73 100
 43 18.8 13.9 20.9





#25

Chloroform

Concen: 2.459 ug/l

RT: 5.18 min Scan# 671

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 83 Resp: 11109

Ion Ratio Lower Upper

83 100

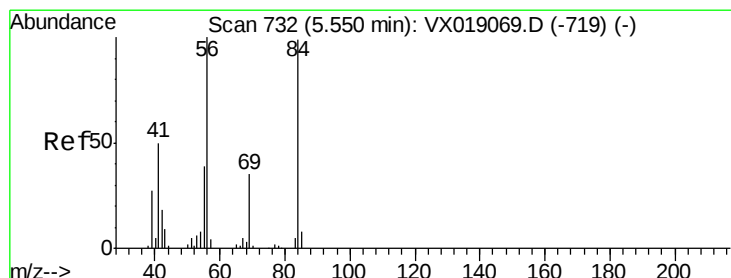
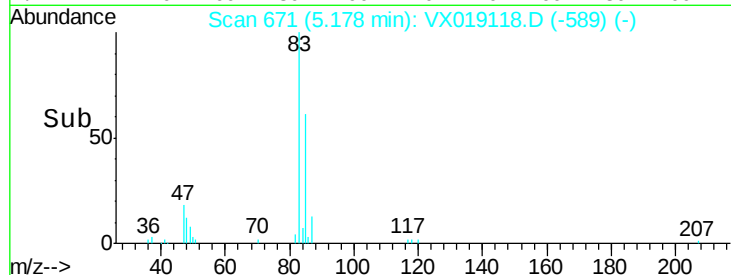
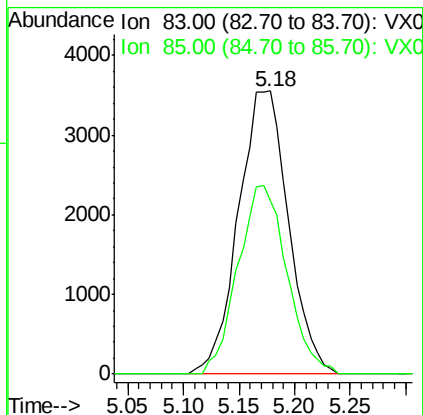
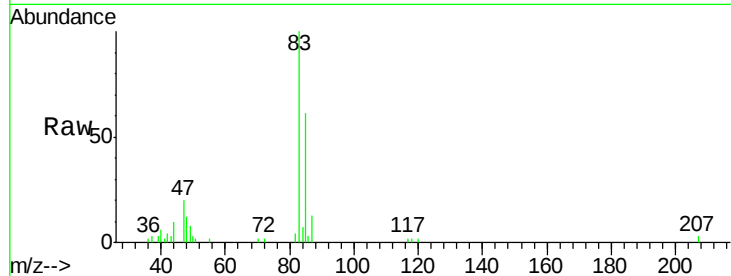
85 61.1 49.8 74.8

Manual Integrations

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#26

Cyclohexane

Concen: 2.451 ug/l m

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

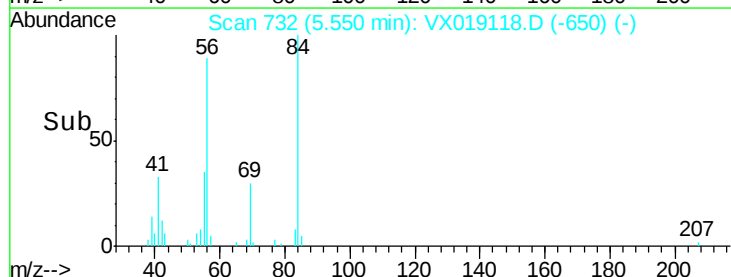
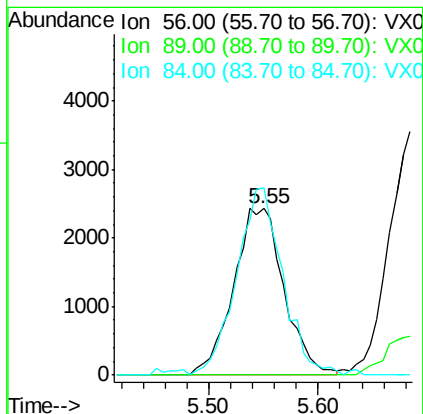
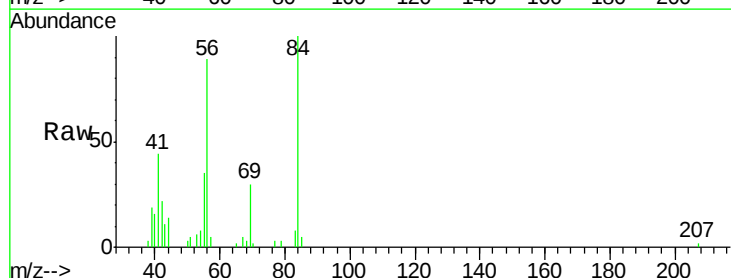
Tgt Ion: 56 Resp: 7766

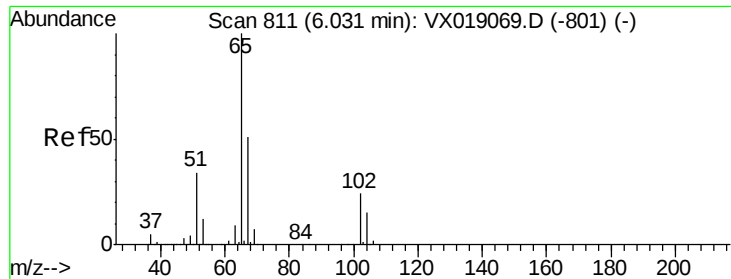
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 102.9 83.7 125.5





#27

1,2-Dichloroethane-d4

Concen: 30.780 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 65 Resp: 89387

Ion Ratio Lower Upper

65 100

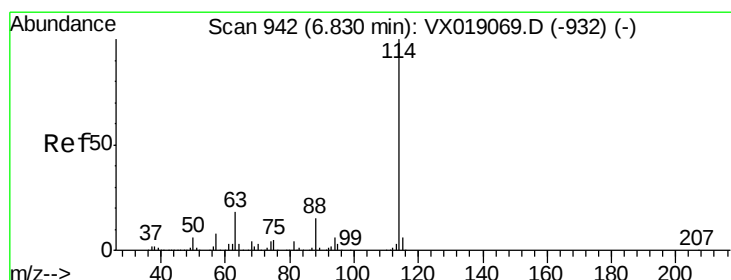
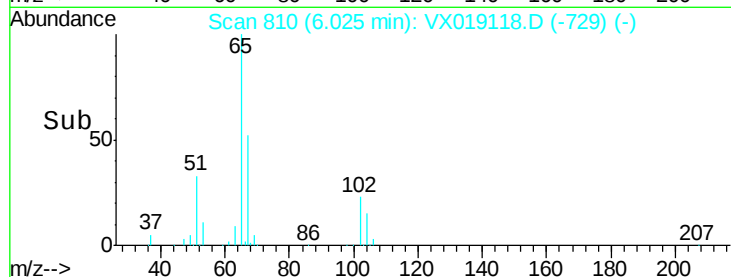
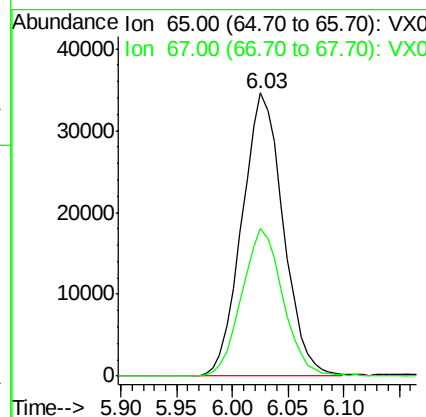
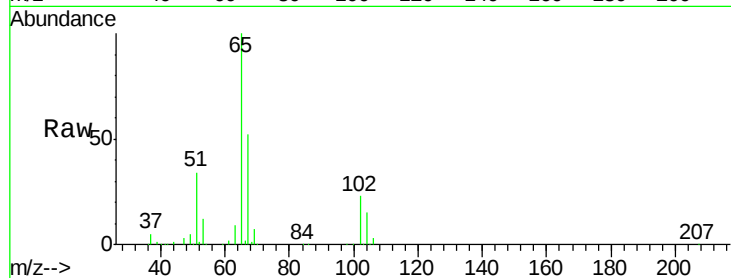
67 51.9 42.0 63.0

Manual Integrations

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.82 min Scan# 941

Delta R.T. -0.01 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

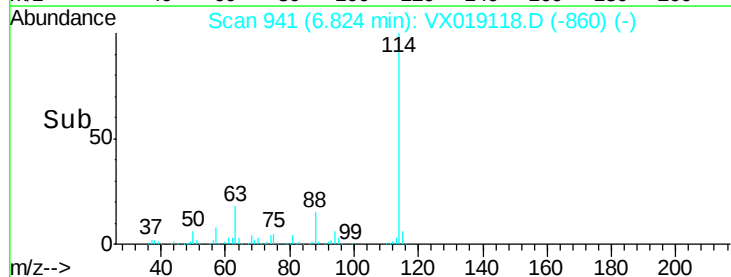
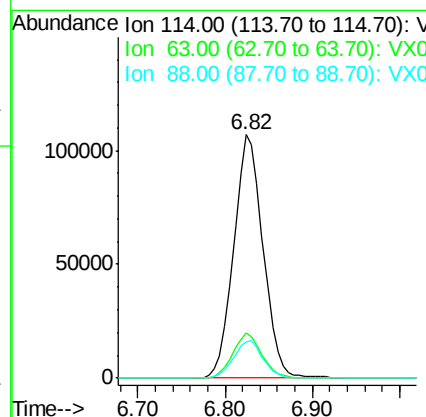
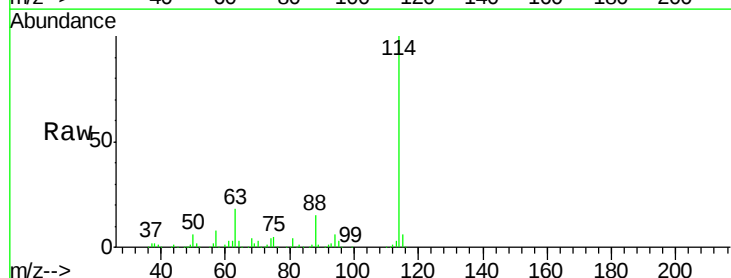
Tgt Ion: 114 Resp: 249044

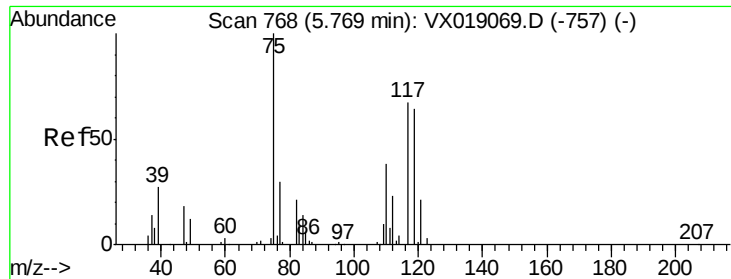
Ion Ratio Lower Upper

114 100

63 18.3 14.6 21.8

88 15.5 12.2 18.2





#29

1,1-Dichloropropene

Concen: 2.409 ug/l

RT: 5.77 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

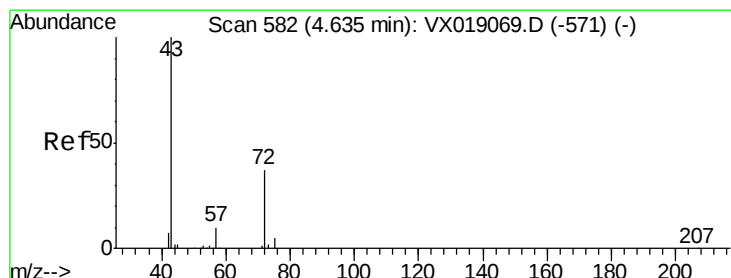
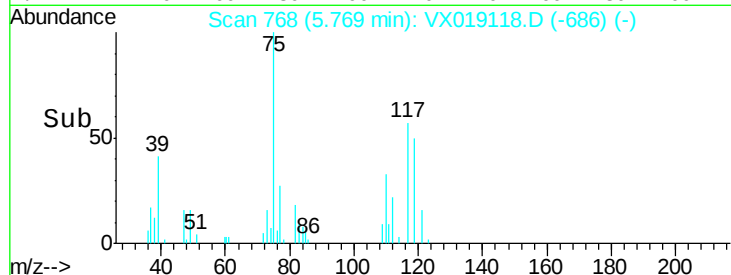
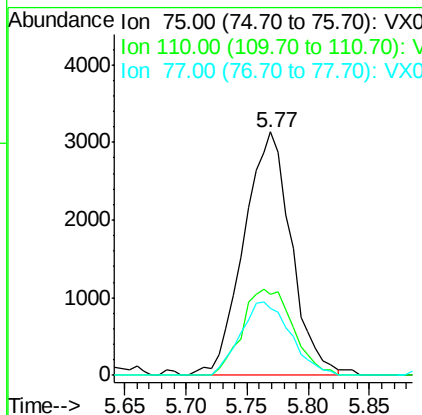
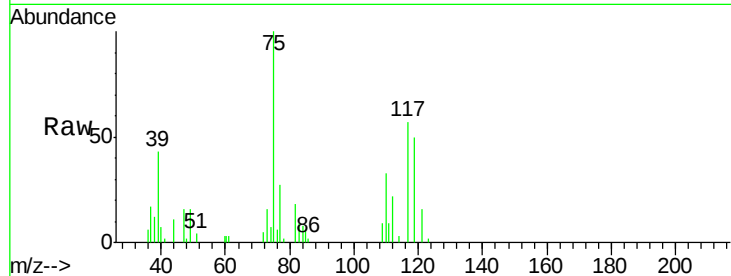
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	75	Resp:	8463
Ion	Ratio	Lower	Upper
75	100		
110	37.9	0.0	77.4
77	31.7	0.0	62.8

Manual Integrations
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#30

2-Butanone

Concen: 12.685 ug/l

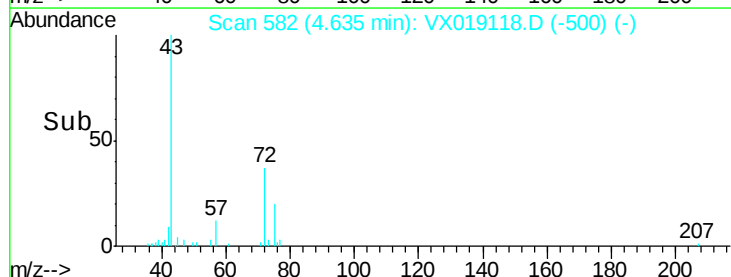
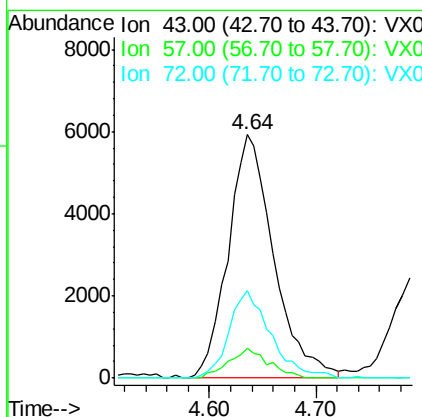
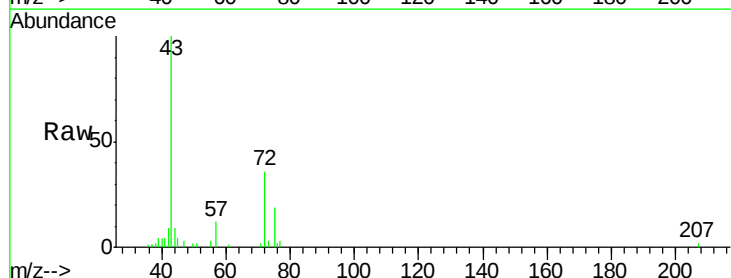
RT: 4.64 min Scan# 582

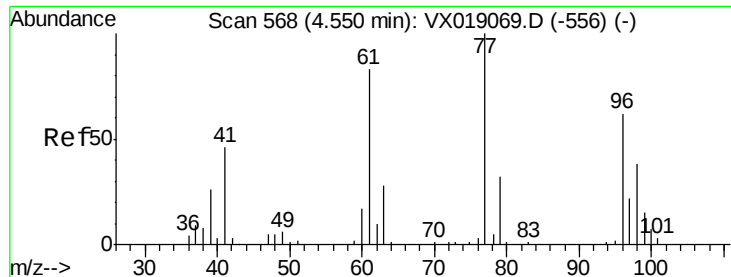
Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Tgt Ion:	43	Resp:	17755
Ion	Ratio	Lower	Upper
43	100		
57	10.7	7.8	11.6
72	32.2	28.1	42.1





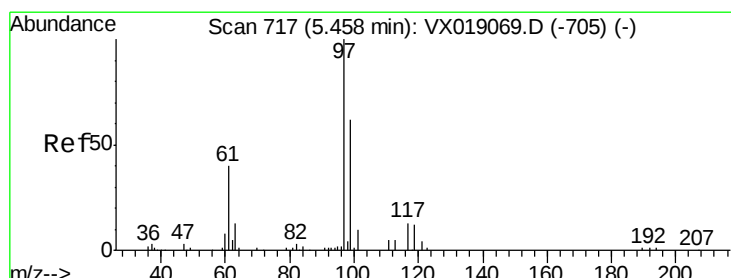
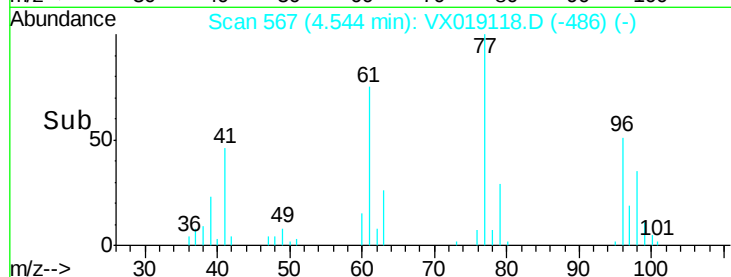
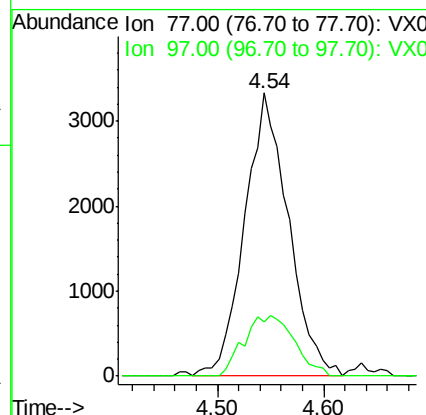
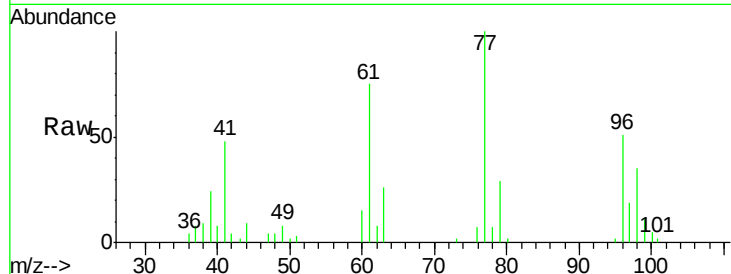
#31
 2,2-Dichloropropane
 Concen: 2.384 ug/l
 RT: 4.54 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

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

Tot Ion: 77 Resp: 9585
 Ion Ratio Lower Upper
 77 100
 97 24.6 19.2 28.8

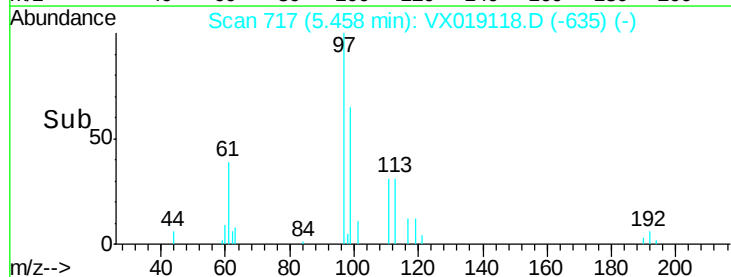
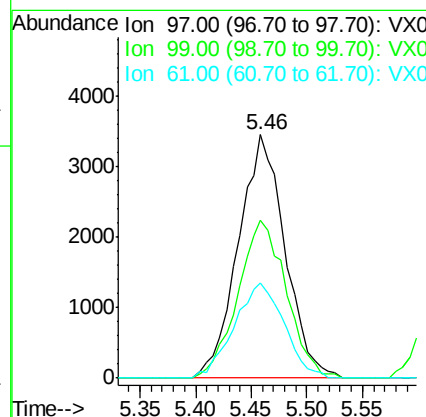
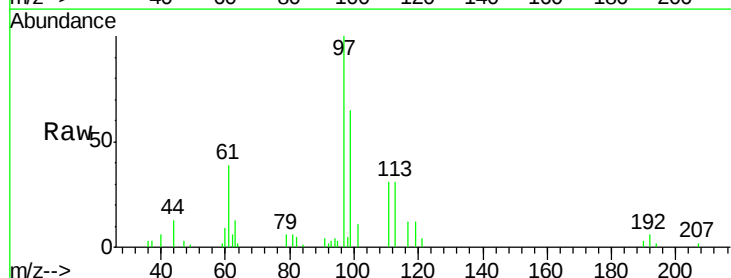
Manual Integrations
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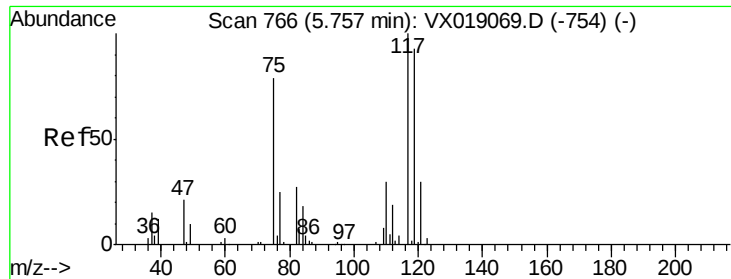
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 2.380 ug/l
 RT: 5.46 min Scan# 717
 Delta R.T. 0.00 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

Tgt Ion: 97 Resp: 10051
 Ion Ratio Lower Upper
 97 100
 99 66.9 51.0 76.6
 61 41.8 32.0 48.0





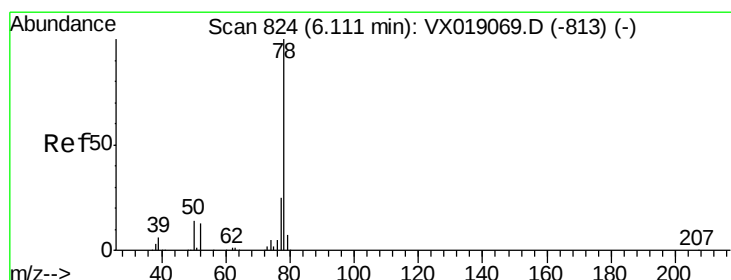
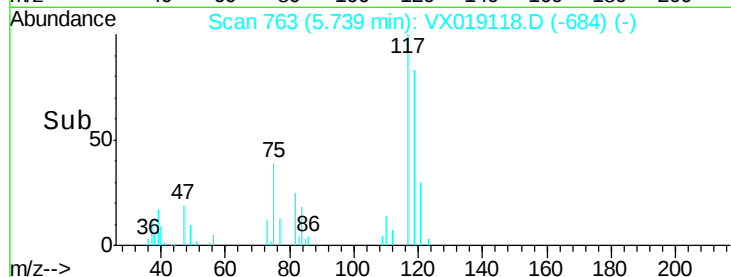
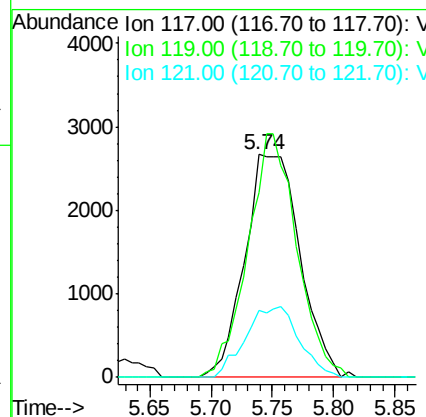
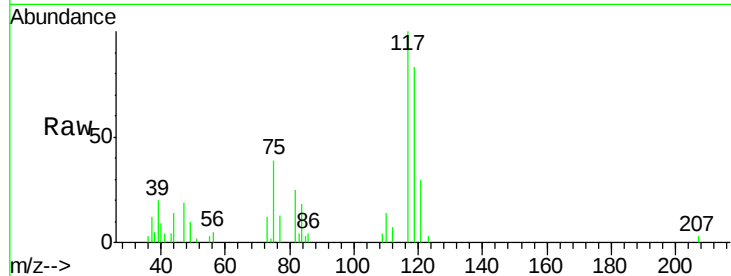
#33
Carbon Tetrachloride
Concen: 2.278 ug/l
RT: 5.74 min Scan# 763
Delta R.T. -0.02 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

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

Tot Ion	Ratio	Lower	Upper
117	100		
119	83.1	74.5	111.7
121	30.2	24.1	36.1

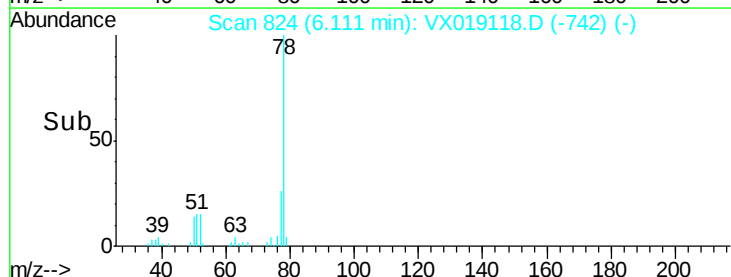
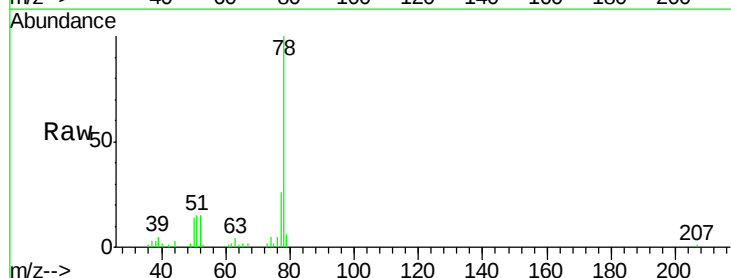
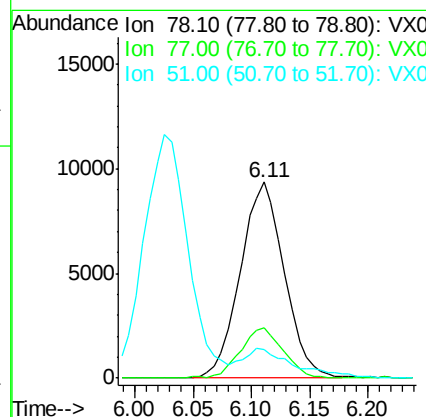
Manual Integrations
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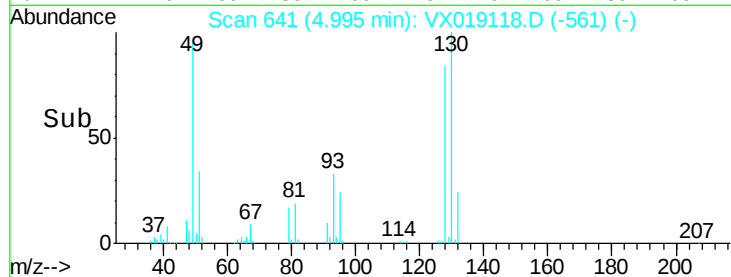
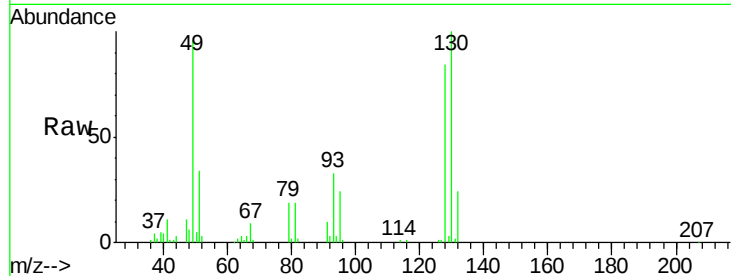
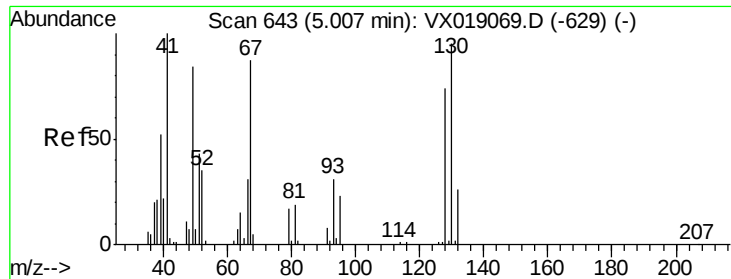
MMDadoda
10/27/2020 6:55:09 PM



#34
Benzene
Concen: 2.375 ug/l
RT: 6.11 min Scan# 824
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.6	20.1	30.1
51	12.5	11.0	16.4





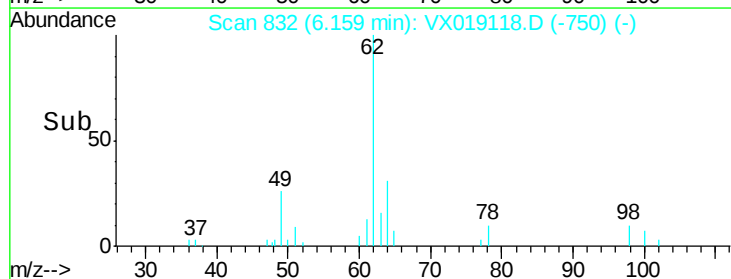
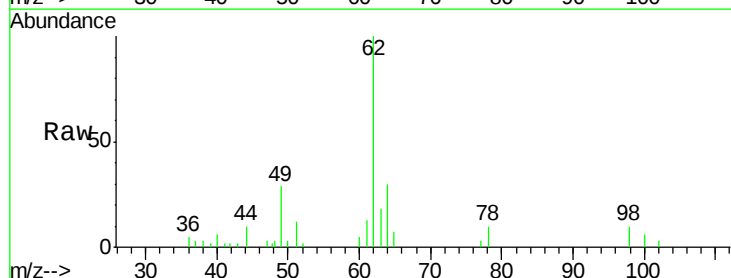
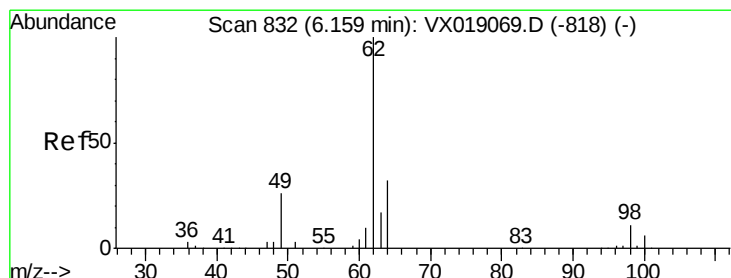
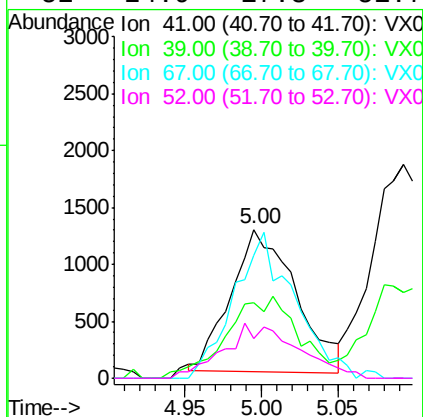
#35
Methacrylonitrile
Concen: 2.439 ug/l
RT: 5.00 min Scan# 641
Delta R.T. -0.01 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Tot Ion	Ratio	Lower	Upper
41	100		
39	47.3	25.8	77.4
67	91.1	43.6	130.8
52	24.9	17.3	51.7

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

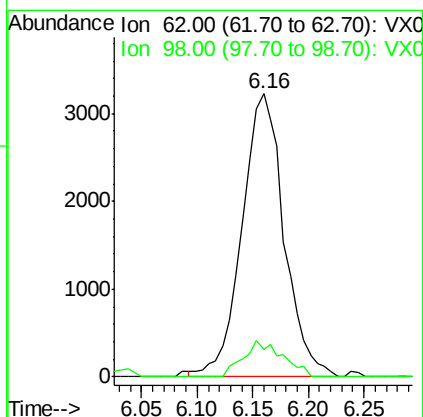
Manual Integrations
APPROVED

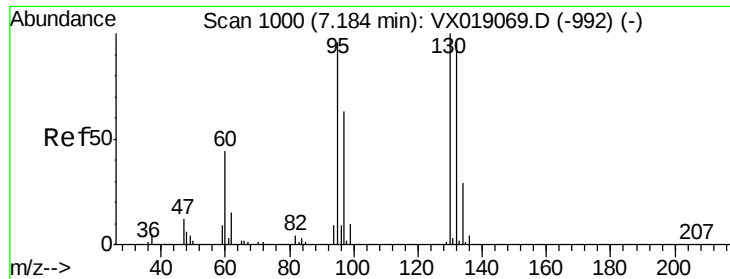
MMDadoda
10/27/2020 6:55:09 PM



#36
1,2-Dichloroethane
Concen: 2.398 ug/l
RT: 6.16 min Scan# 832
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.8	8.4	12.6





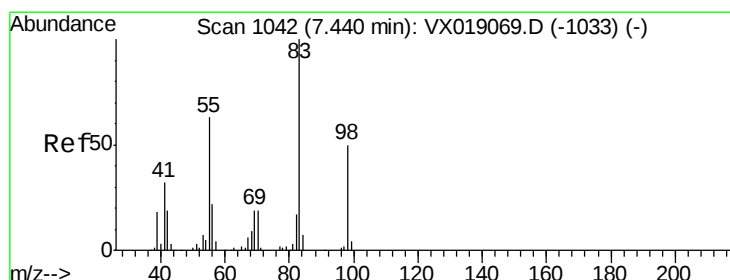
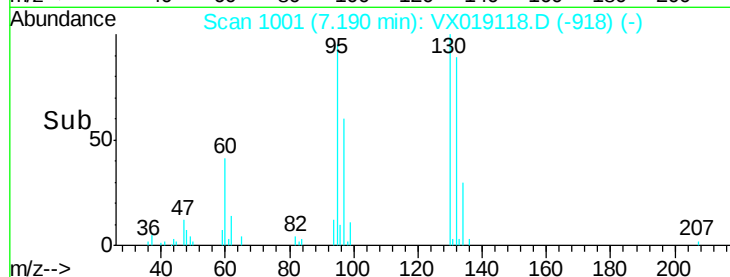
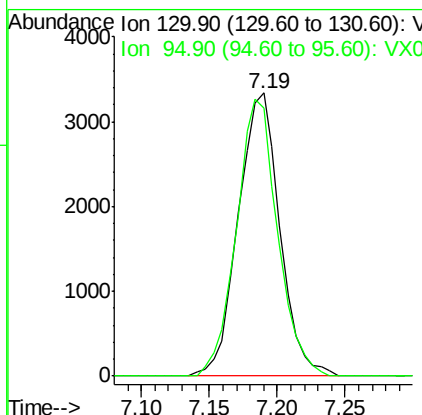
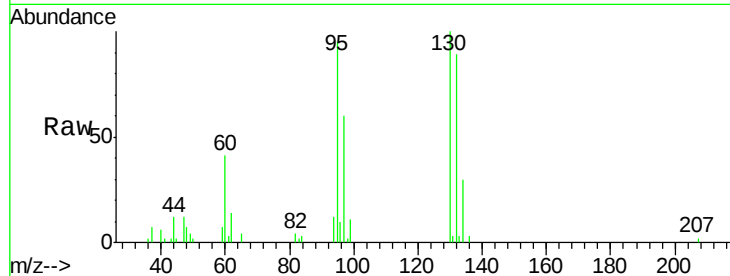
#37
 Trichloroethene
 Concen: 2.408 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.01 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

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

Tot Ion:130 Resp: 7156
 Ion Ratio Lower Upper
 130 100
 95 94.8 76.8 115.2

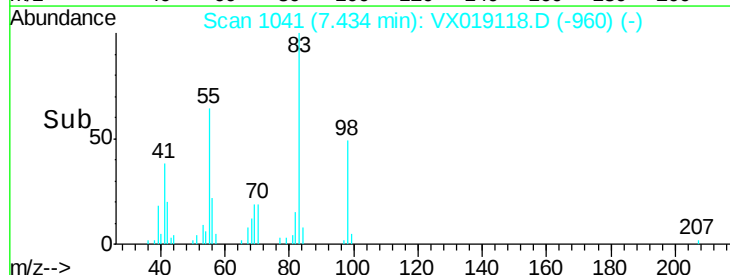
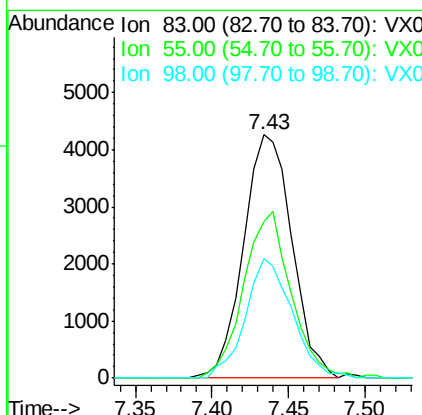
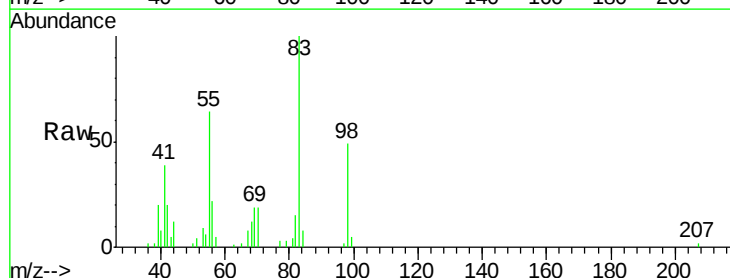
Manual Integrations
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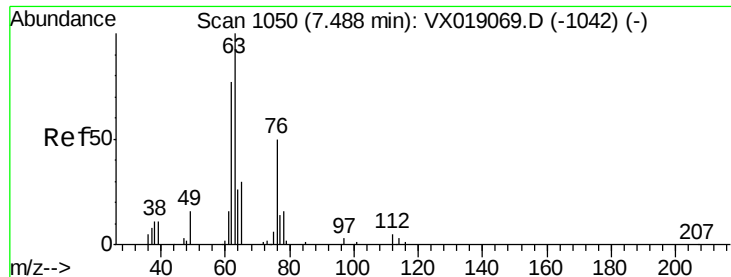
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#38
 Methylcyclohexane
 Concen: 2.380 ug/l
 RT: 7.43 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

Tgt Ion: 83 Resp: 9374
 Ion Ratio Lower Upper
 83 100
 55 66.6 32.3 96.8
 98 46.9 25.7 77.1





#39

1,2-Dichloropropane

Concen: 2.492 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 63 Resp: 5979

Ion Ratio Lower Upper

63 100

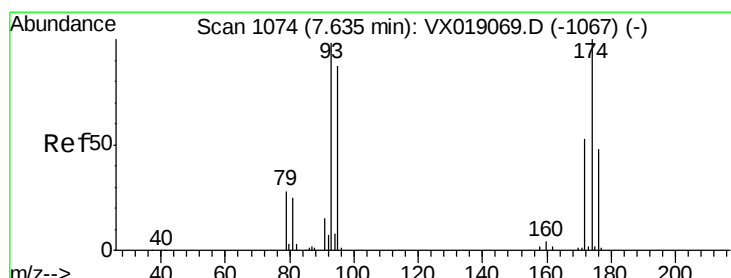
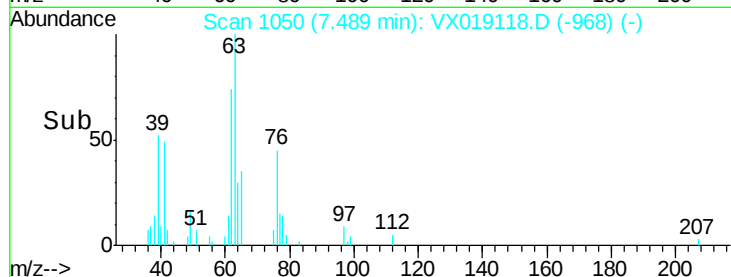
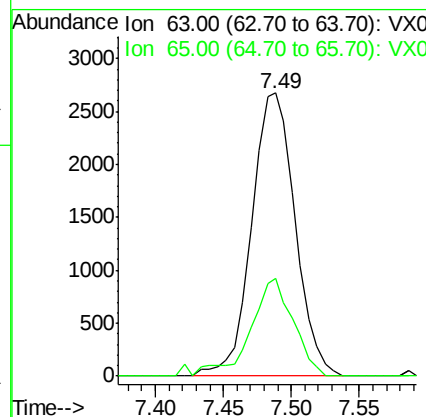
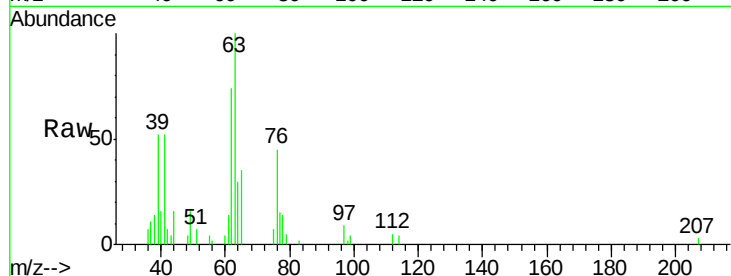
65 34.6 25.8 38.8

Manual Integrations

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10/27/2020 6:55:09 PM



#40

Dibromomethane

Concen: 2.373 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.01 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

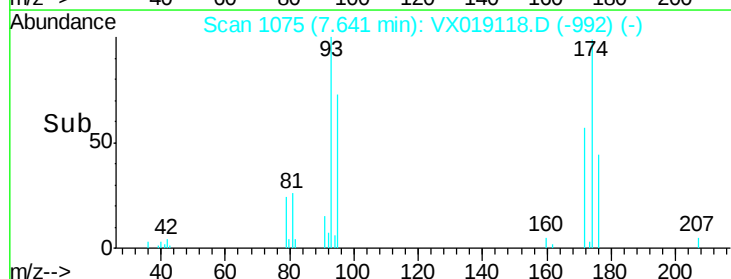
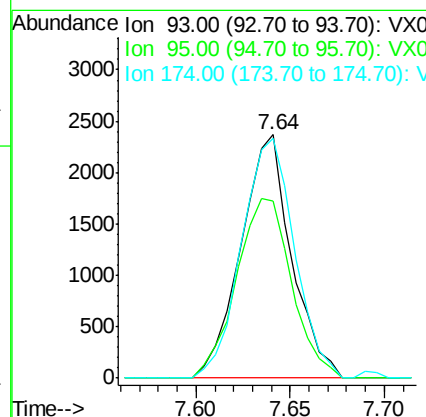
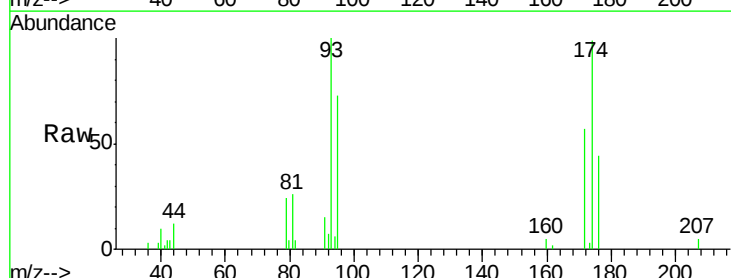
Tgt Ion: 93 Resp: 4419

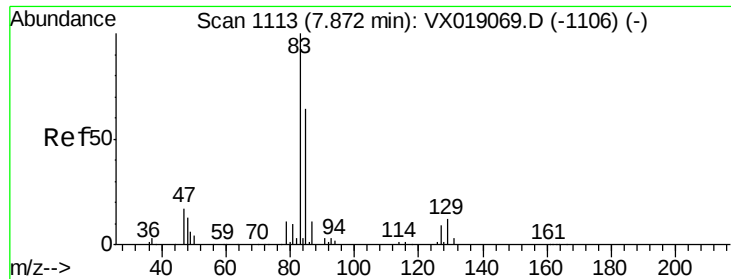
Ion Ratio Lower Upper

93 100

95 80.2 0.0 169.0

174 102.6 0.0 205.4





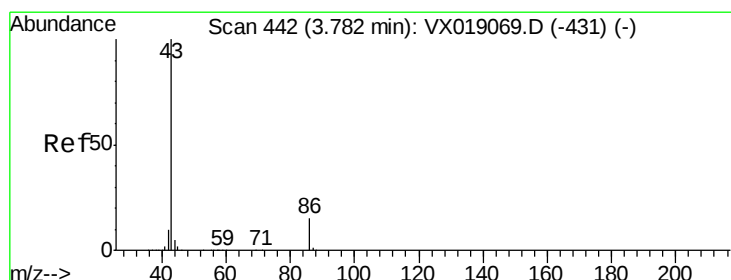
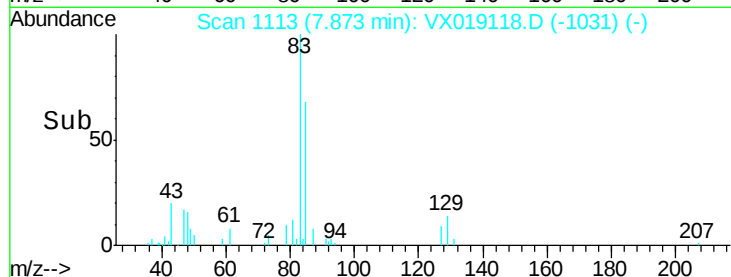
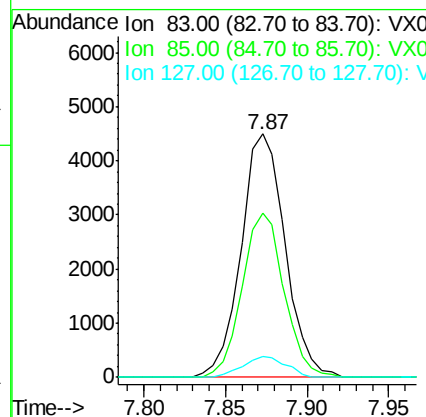
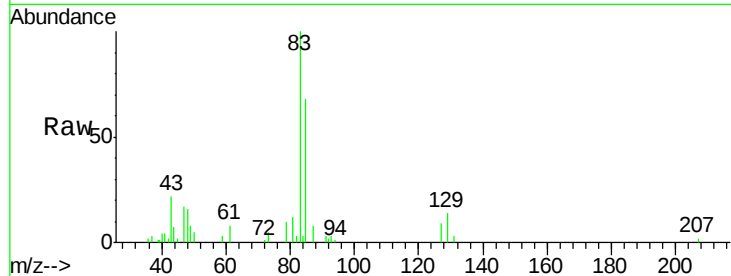
#41
Bromodichloromethane
Concen: 2.294 ug/l
RT: 7.87 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

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

Tot Ion	83	Resp	8446
Ion Ratio	100	Lower	Upper
83	100		
85	67.6	51.2	76.8
127	8.8	7.1	10.7

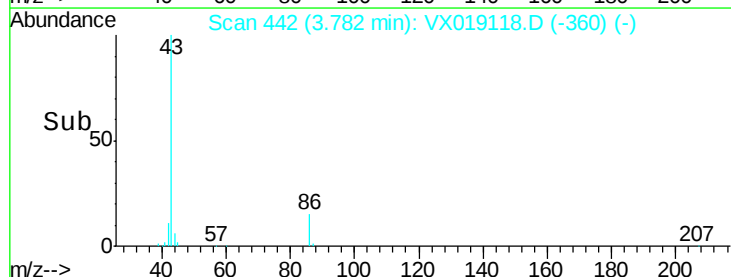
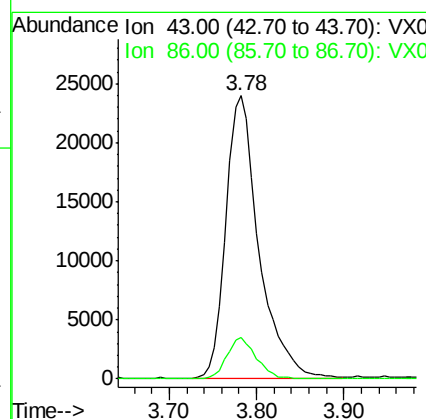
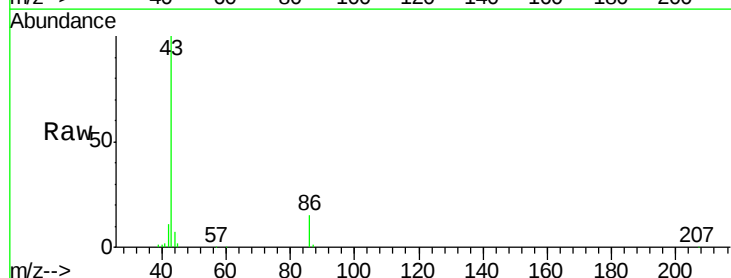
Manual Integrations
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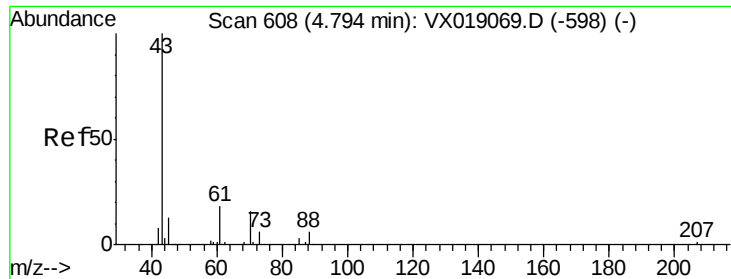
MMDadoda
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#42
Vinyl Acetate
Concen: 11.469 ug/l
RT: 3.78 min Scan# 442
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Tgt Ion	43	Resp	62459
Ion Ratio	100	Lower	Upper
43	100		
86	13.1	10.6	15.8





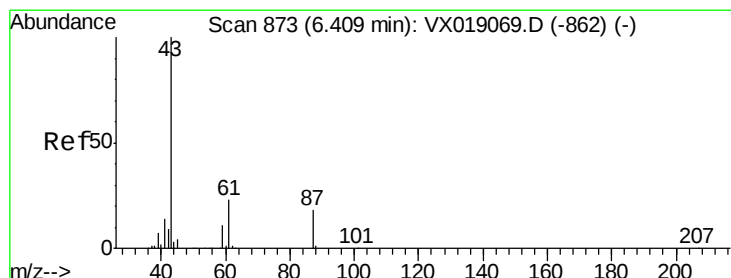
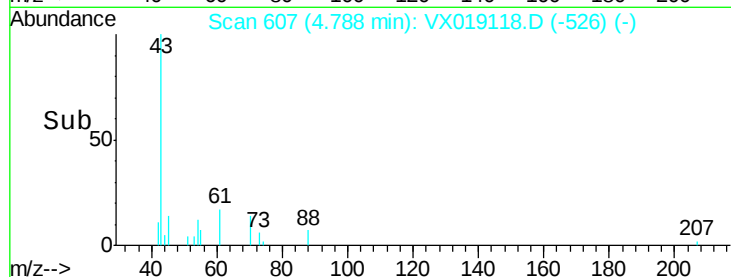
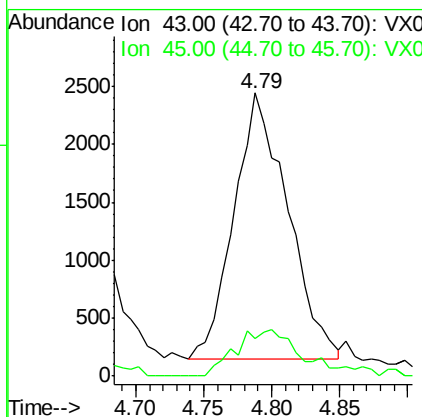
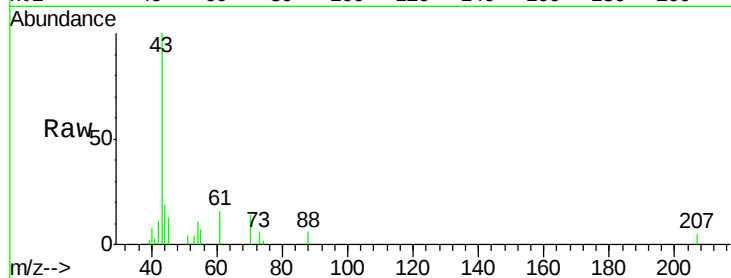
#43
Ethyl Acetate
Concen: 2.148 ug/l
RT: 4.79 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

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

Tot Ion: 43 Resp: 6306
Ion Ratio Lower Upper
43 100
45 7.9 12.7 19.1#

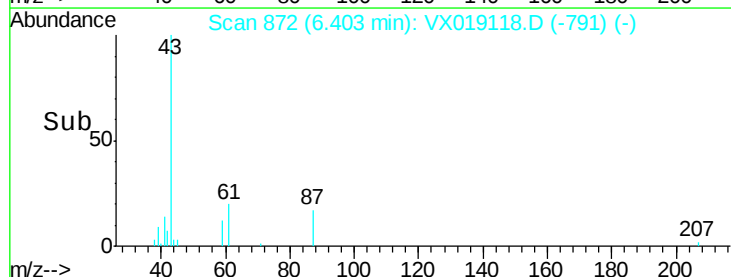
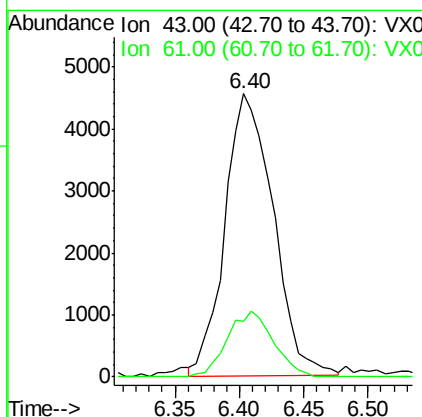
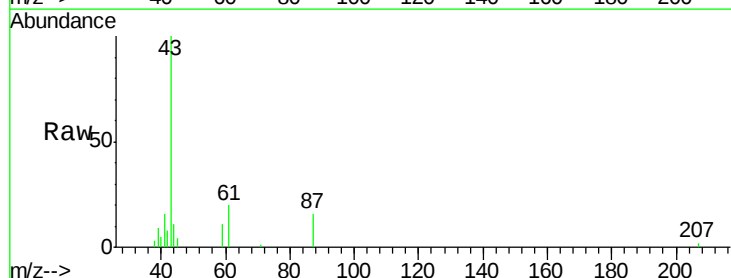
Manual Integrations
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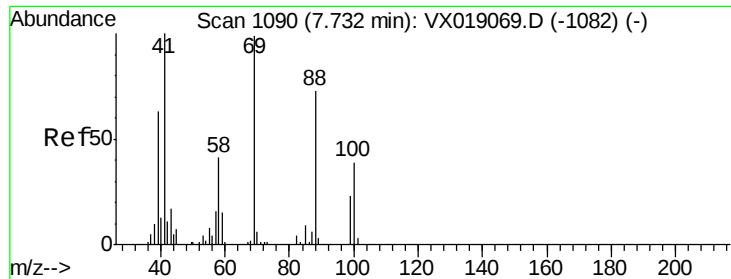
MMDadoda
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#44
Isopropyl Acetate
Concen: 2.413 ug/l
RT: 6.40 min Scan# 872
Delta R.T. -0.01 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Tgt Ion: 43 Resp: 11865
Ion Ratio Lower Upper
43 100
61 22.2 19.1 28.7





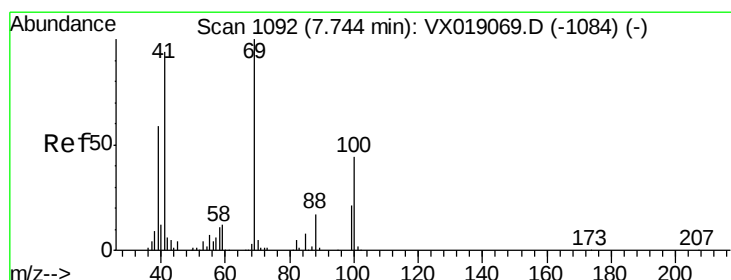
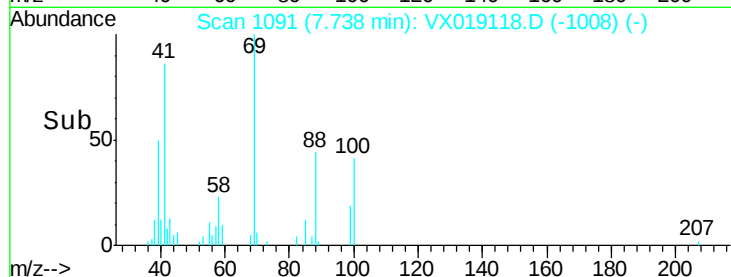
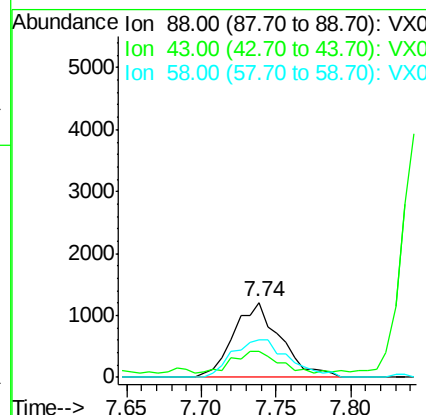
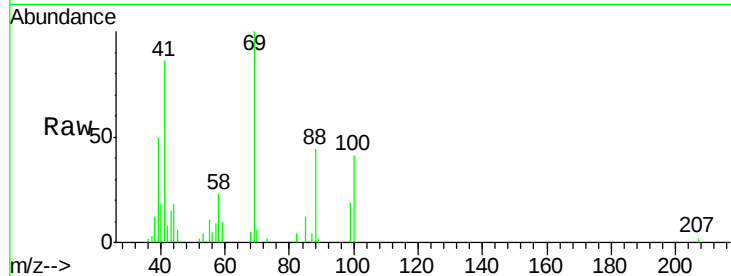
#45
1,4-Dioxane
Concen: 50.696 ug/l m
RT: 7.74 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

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

Tot Ion: 88 Resp: 2620
Ion Ratio Lower Upper
88 100
43 27.9 20.5 30.7
58 60.3 47.4 71.2

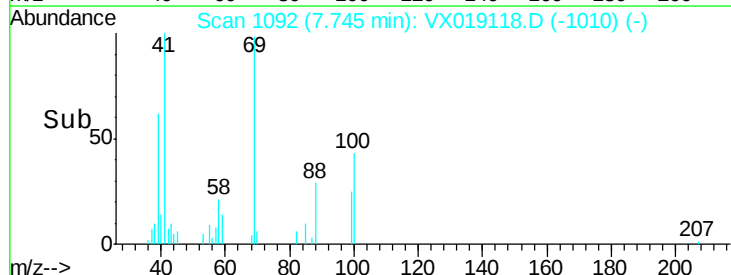
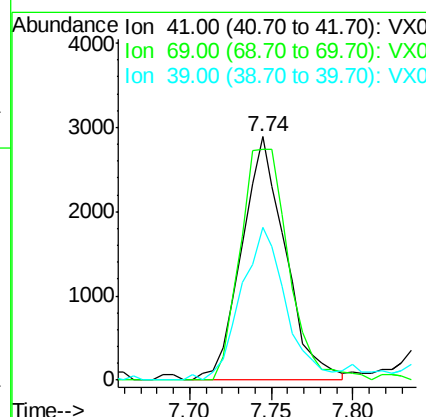
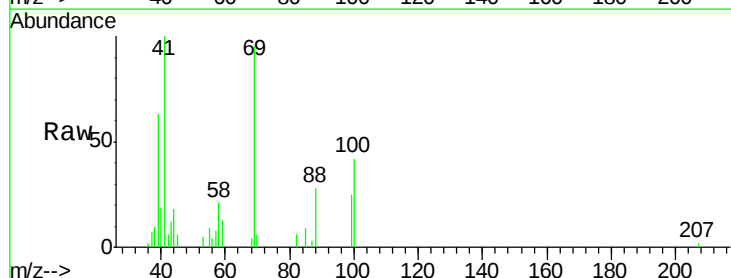
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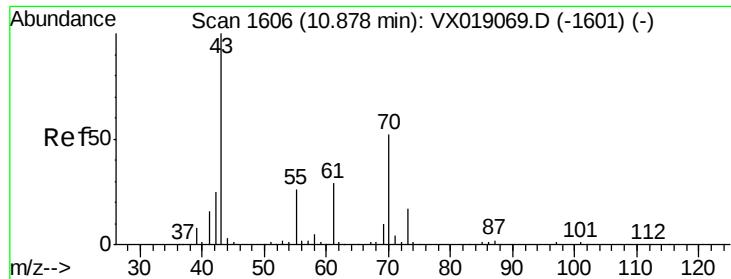
MMDadoda
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#46
Methyl methacrylate
Concen: 2.313 ug/l
RT: 7.74 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Tgt Ion: 41 Resp: 5383
Ion Ratio Lower Upper
41 100
69 94.9 53.1 159.4
39 60.7 31.3 93.9





#47

n-amvl Acetate

Concen: 2.139 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 8436

Ion Ratio Lower Upper

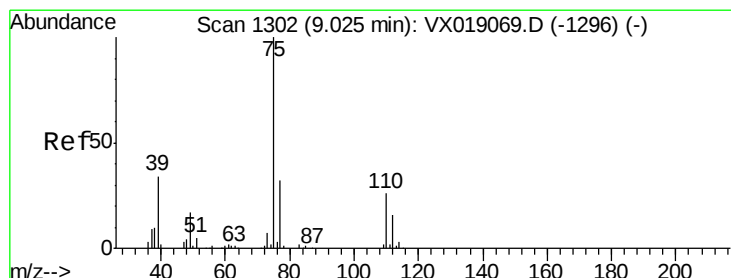
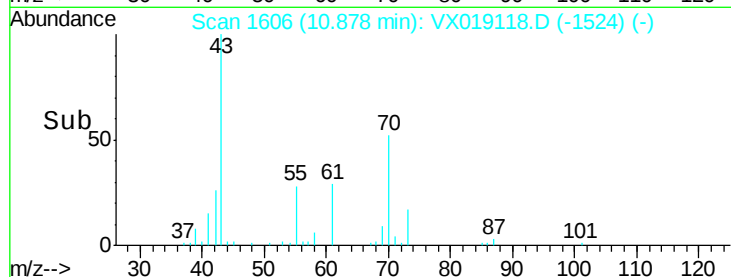
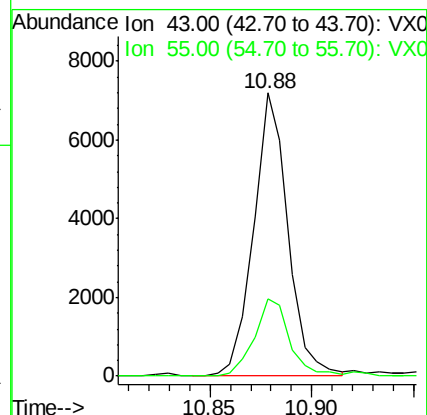
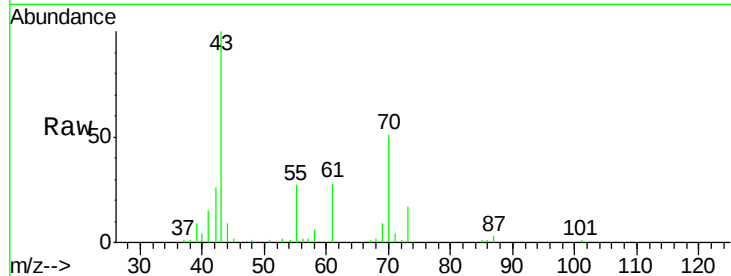
43 100

55 28.2 21.5 32.3

Manual Integrations
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#48

t-1,3-Dichloropropene

Concen: 2.175 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX019118.D

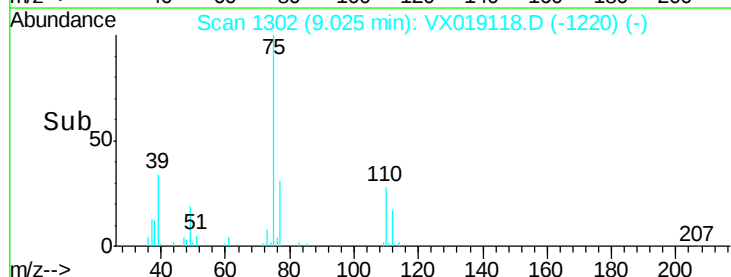
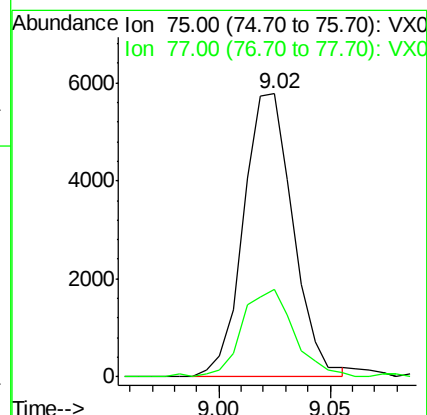
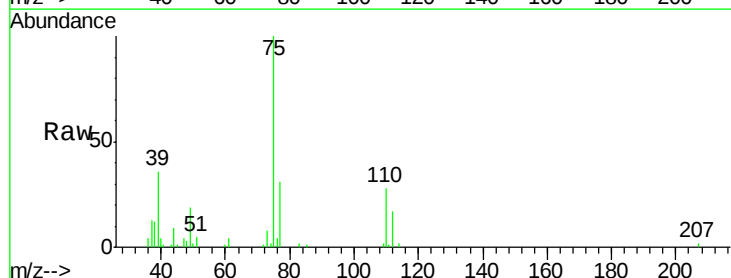
Acq: 26 Oct 2020 13:20

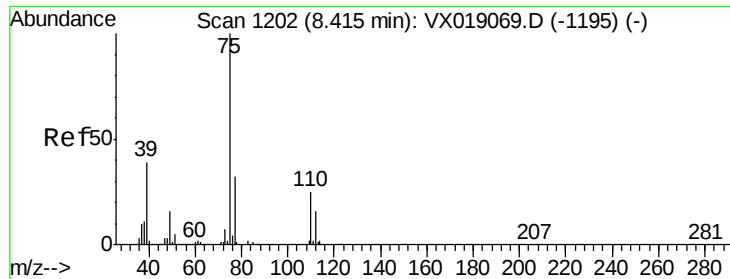
Tgt Ion: 75 Resp: 8964

Ion Ratio Lower Upper

75 100

77 31.0 25.3 37.9





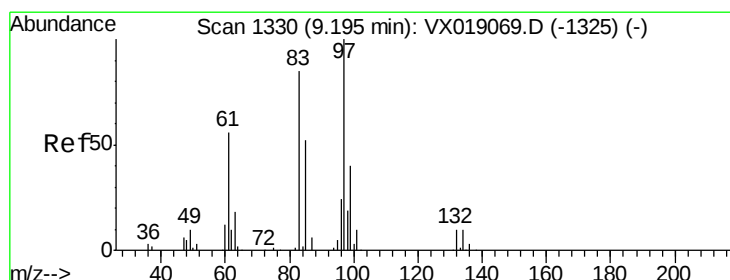
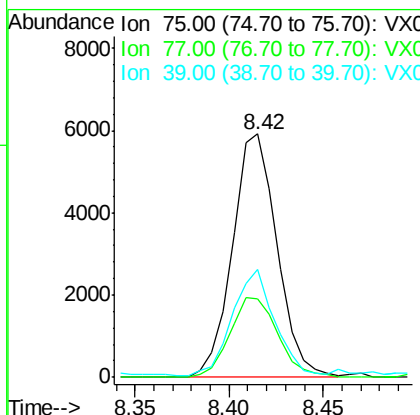
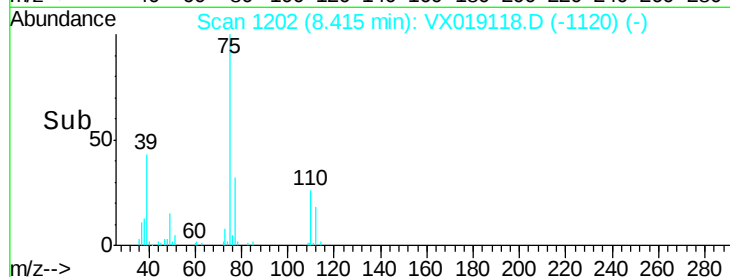
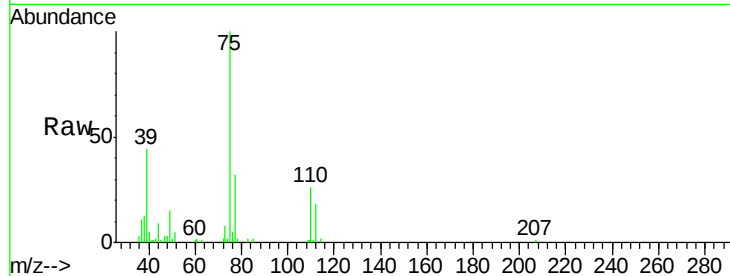
#49
 cis-1,3-Dichloropropene
 Concen: 2.219 ug/l
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.8	38.8
39	43.2	31.0	46.6

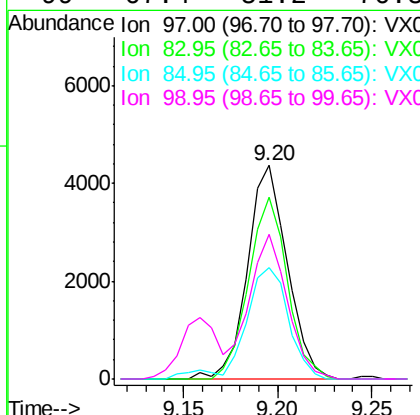
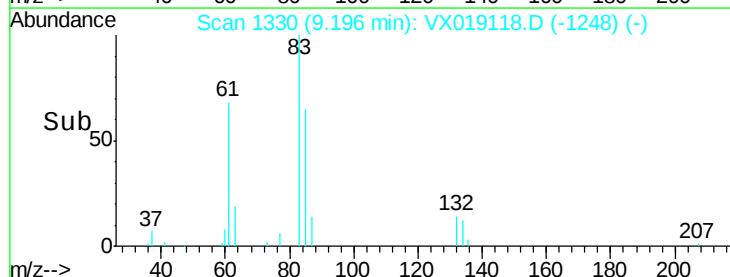
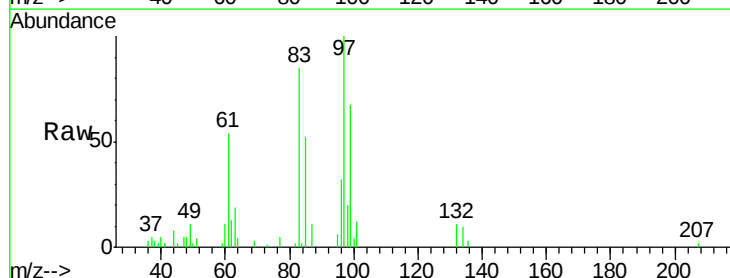
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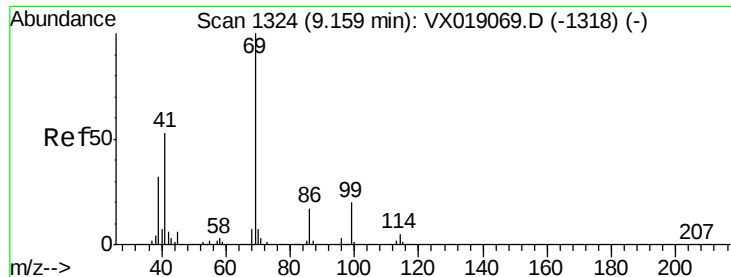
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#50
 1,1,2-Trichloroethane
 Concen: 2.371 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.3	67.8	101.6
85	52.2	43.5	65.3
99	67.4	51.2	76.8





#51

Ethyl methacrylate

Concen: 2.090 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

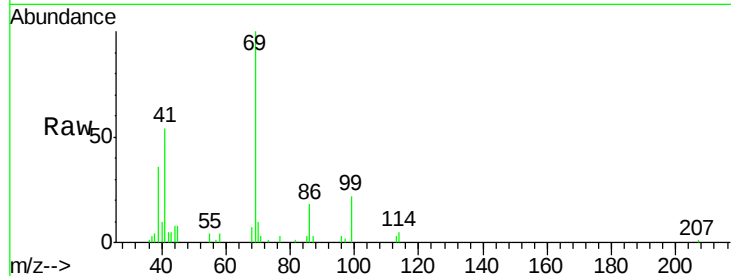
ClientSampleId :

MDL-WATER-03-QT4-2020

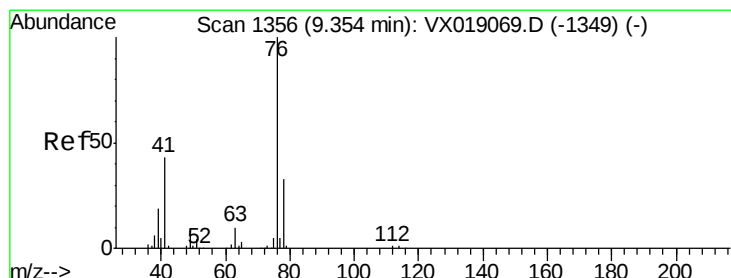
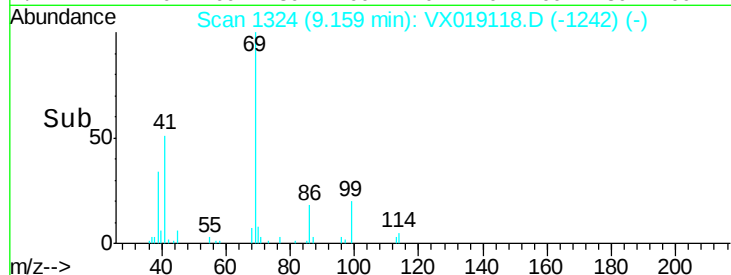
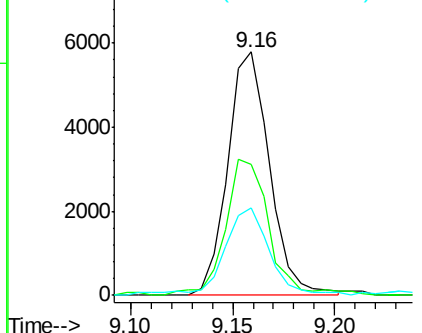
Tot Ion:	69	Resp:	8225
Ion	Ratio	Lower	Upper
69	100		
41	52.0	26.5	79.4
39	34.6	16.2	48.6

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Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 2.436 ug/l

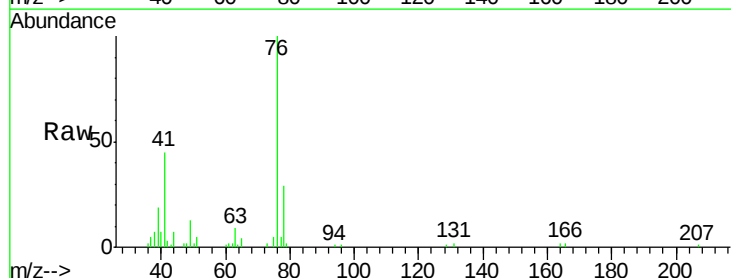
RT: 9.35 min Scan# 1355

Delta R.T. -0.01 min

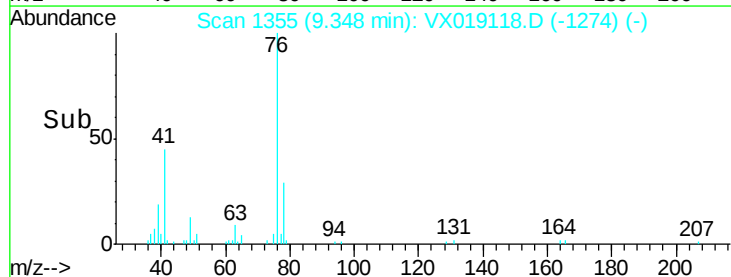
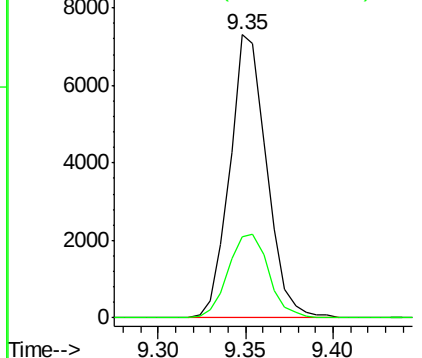
Lab File: VX019118.D

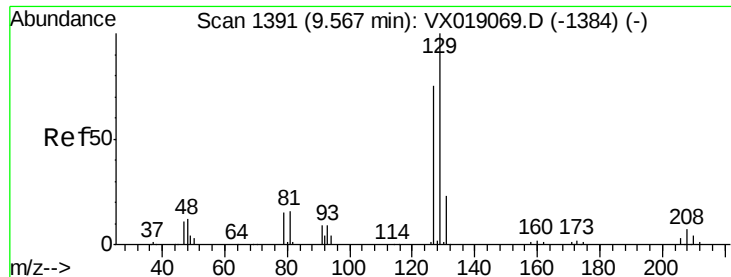
Acq: 26 Oct 2020 13:20

Tgt Ion:	76	Resp:	10704
Ion	Ratio	Lower	Upper
76	100		
78	32.5	0.0	65.2



Abundance Ion 76.00 (75.70 to 76.70): VX0
Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 2.202 ug/l

RT: 9.56 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:129 Resp: 6613

Ion Ratio Lower Upper

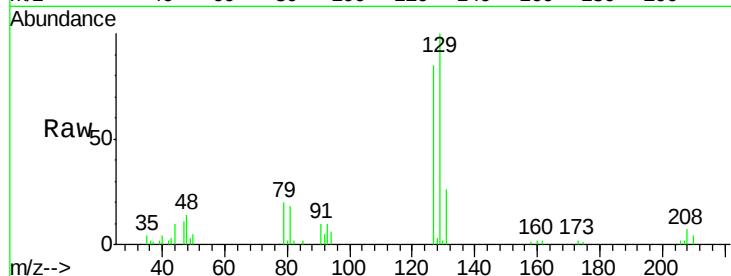
129 100

127 75.3 38.4 115.1

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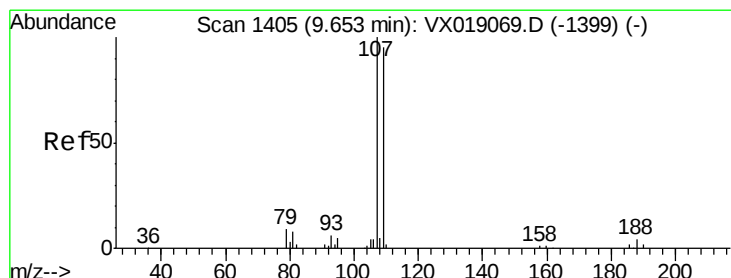
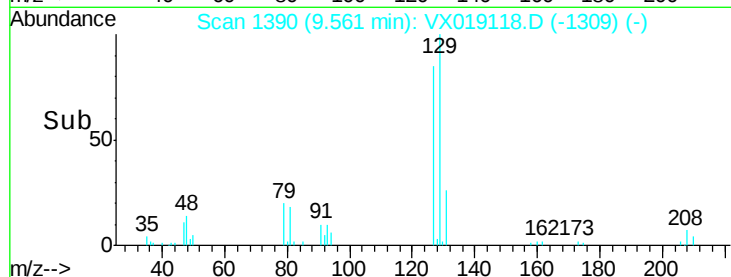
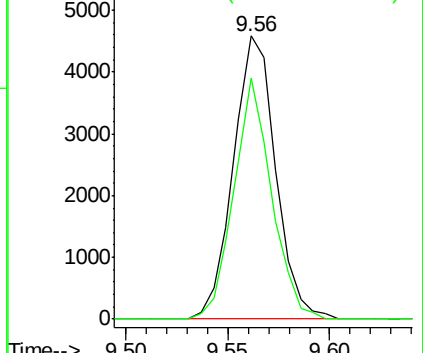
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 2.315 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX019118.D

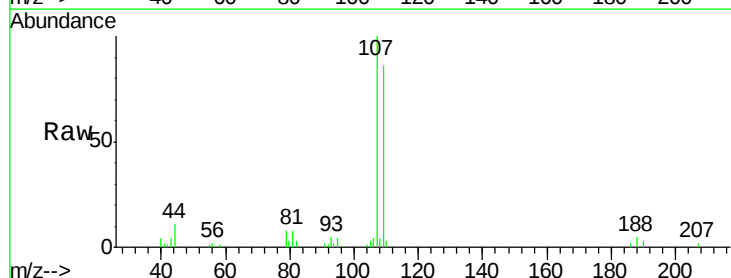
Acq: 26 Oct 2020 13:20

Tgt Ion:107 Resp: 6786

Ion Ratio Lower Upper

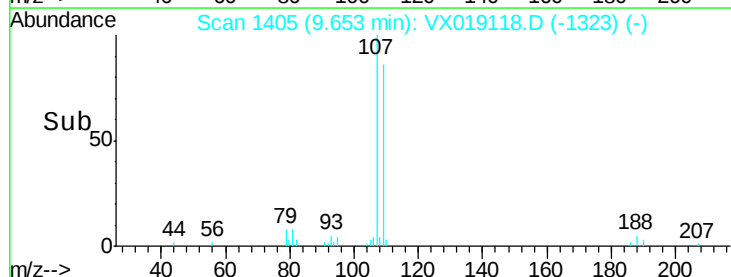
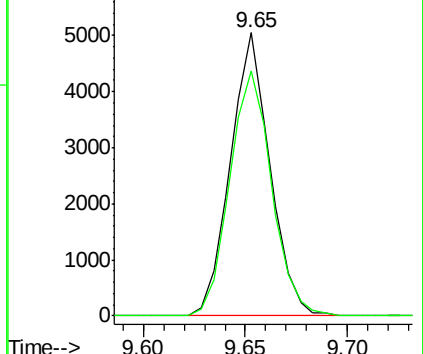
107 100

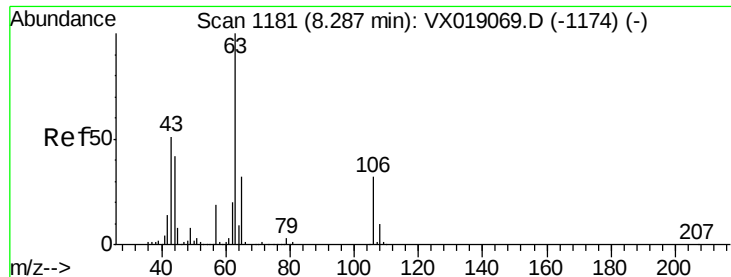
109 91.4 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





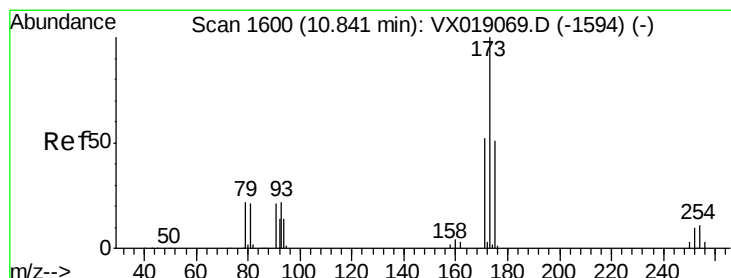
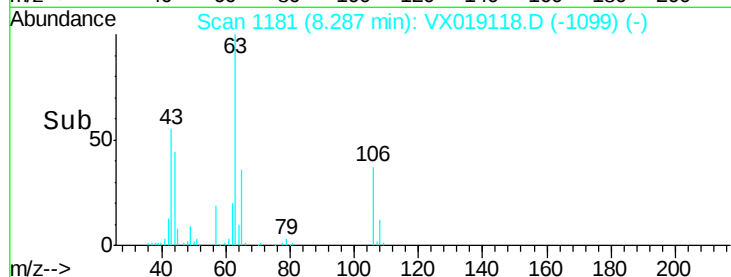
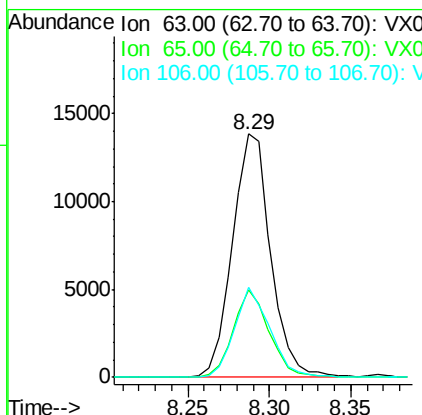
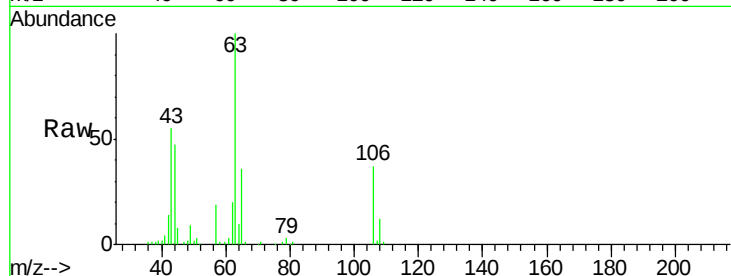
#55
2-Chloroethyl vinyl ether
Concen: 10.726 ug/l
RT: 8.29 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

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

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.8	26.0	39.0
106	34.1	25.9	38.9

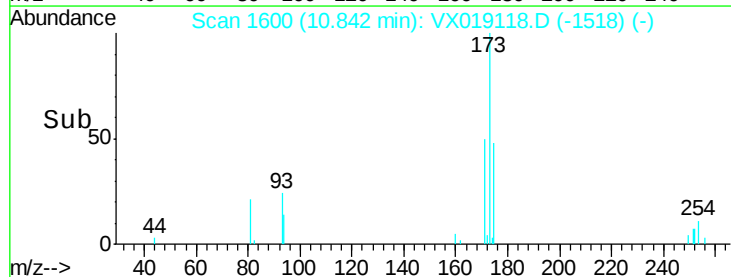
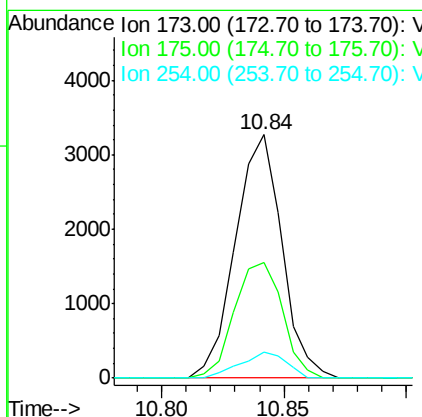
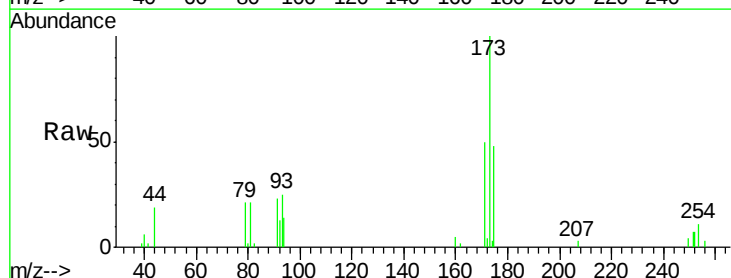
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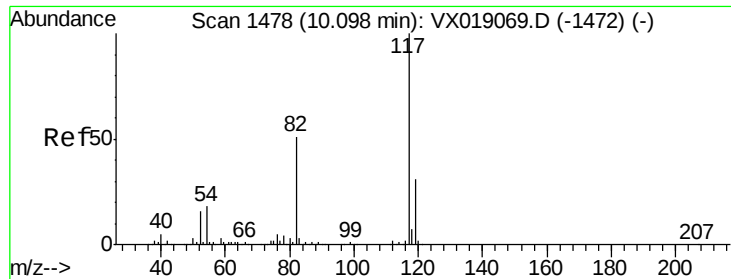
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#56
Bromoform
Concen: 2.063 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.6	59.4
254	10.6	8.6	13.0





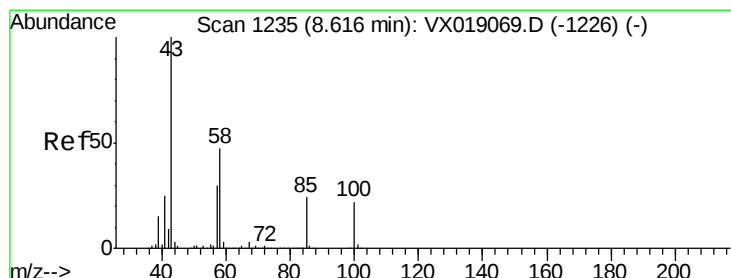
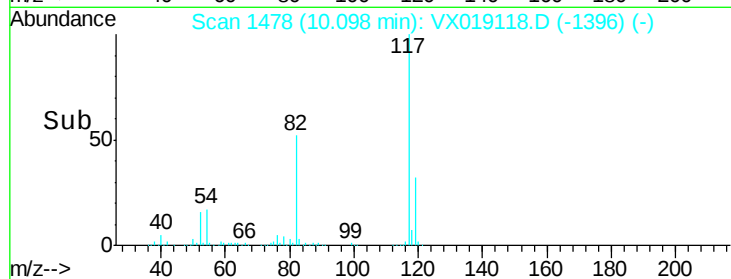
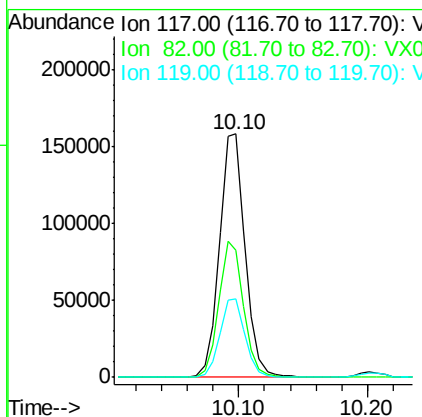
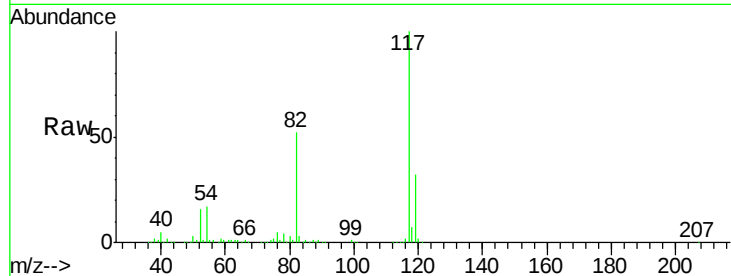
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	221518		
82	54.4	42.5	63.7	
119	31.9	25.6	38.4	

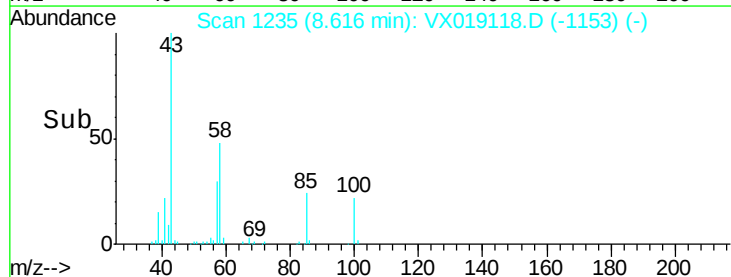
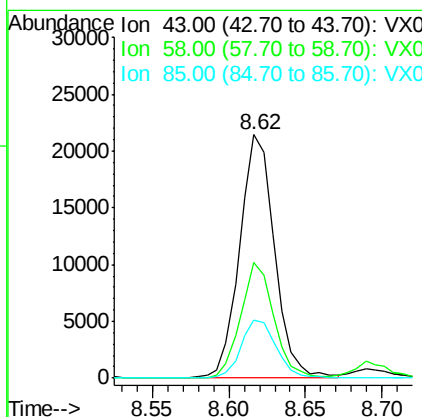
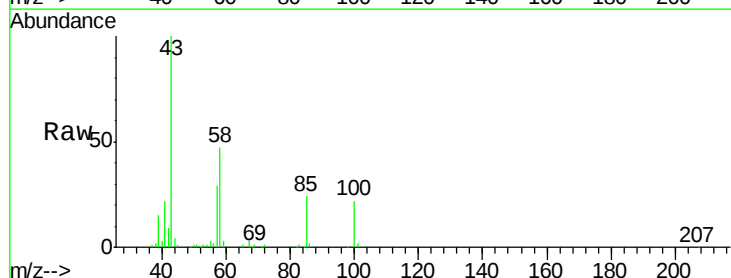
Manual Integrations
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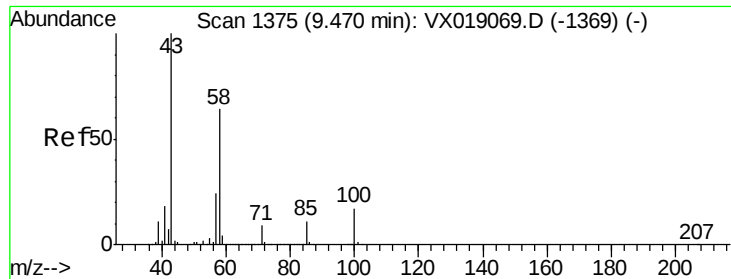
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#58
4-Methyl-2-Pentanone
Concen: 12.085 ug/l
RT: 8.62 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	33759		
58	45.4	37.6	56.4	
85	24.4	19.4	29.2	





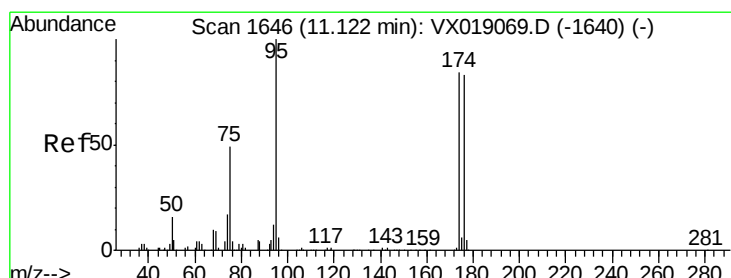
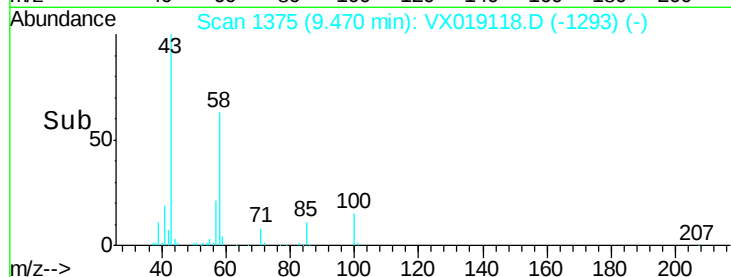
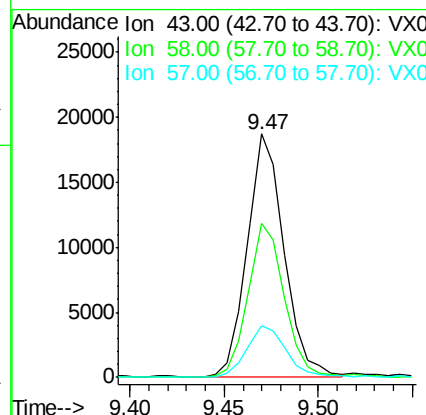
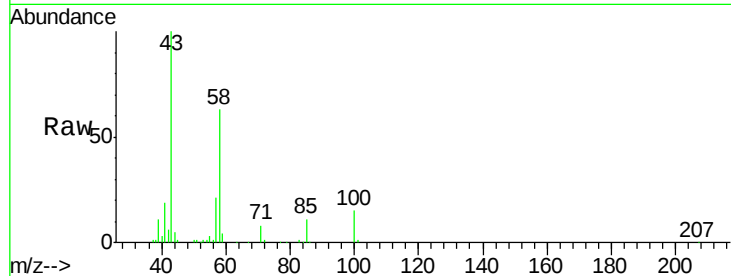
#59
2-Hexanone
Concen: 12.096 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

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

Tot Ion:	43	Resp:	25180
Ion Ratio	Lower	Upper	
43	100		
58	63.6	51.9	77.9
57	22.5	18.2	27.4

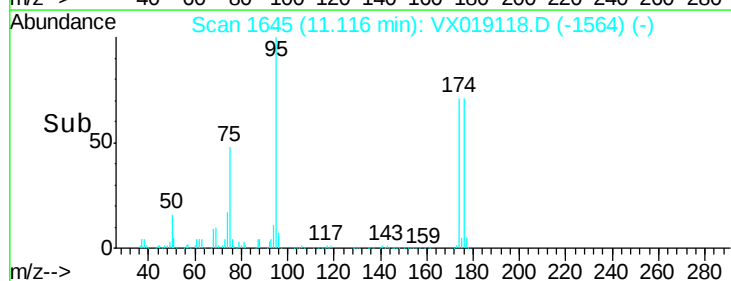
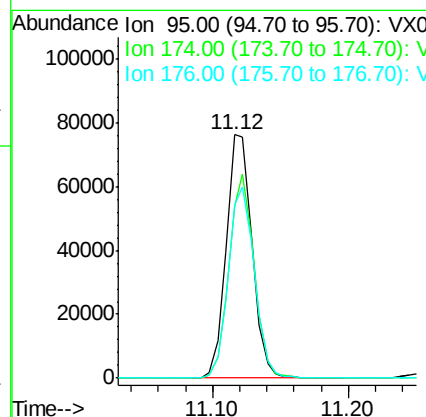
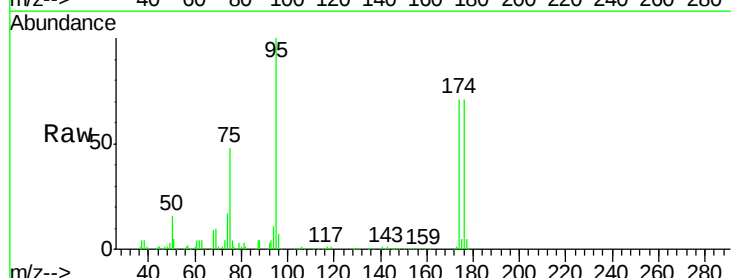
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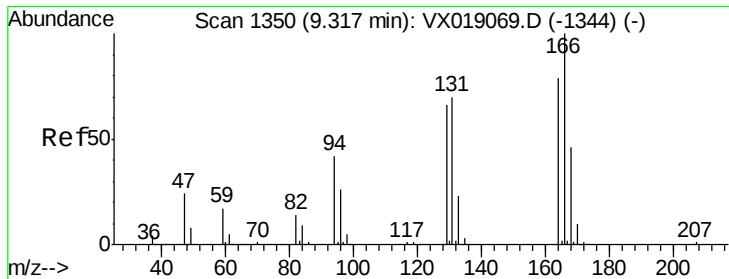
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 30.187 ug/l
RT: 11.12 min Scan# 1645
Delta R.T. -0.01 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Tgt Ion:	95	Resp:	100366
Ion Ratio	Lower	Upper	
95	100		
174	81.2	66.3	99.5
176	78.7	65.5	98.3





#61

Tetrachloroethene

Concen: 2.727 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:164 Resp: 7166

Ion Ratio Lower Upper

164 100

166 135.6 101.9 152.9

129 98.6 67.0 100.6

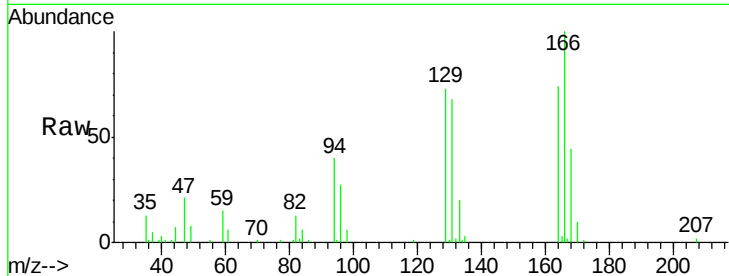
131 91.9 71.1 106.7

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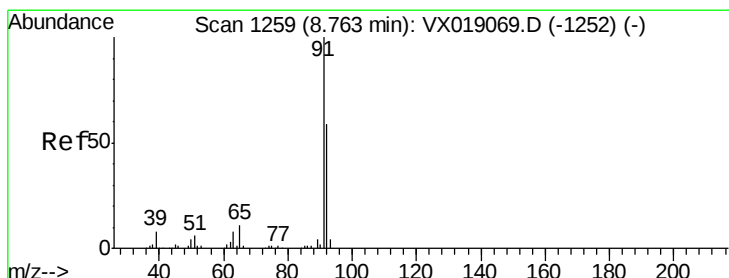
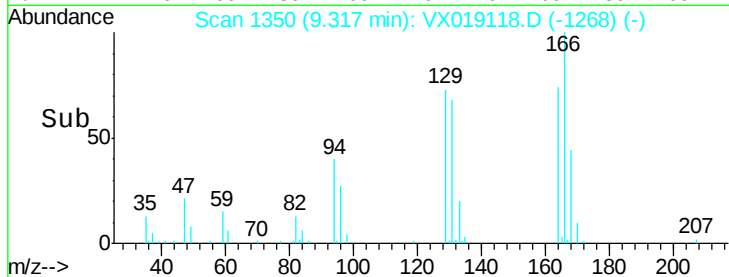
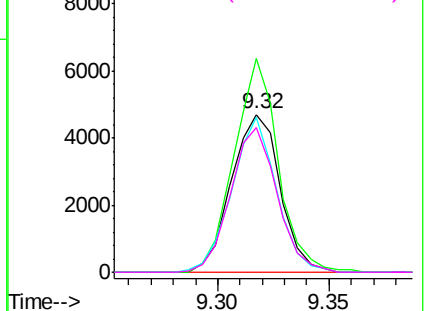


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 2.382 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019118.D

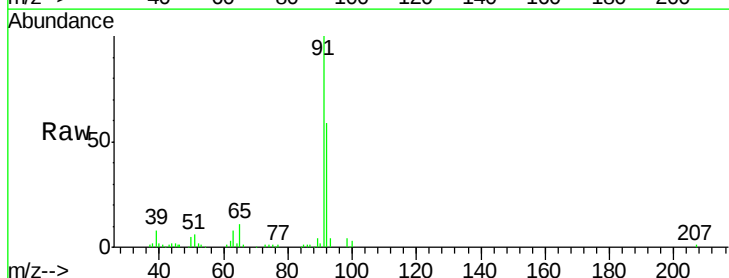
Acq: 26 Oct 2020 13:20

Tgt Ion: 91 Resp: 27734

Ion Ratio Lower Upper

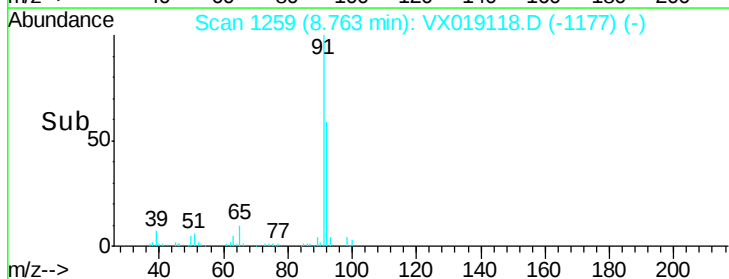
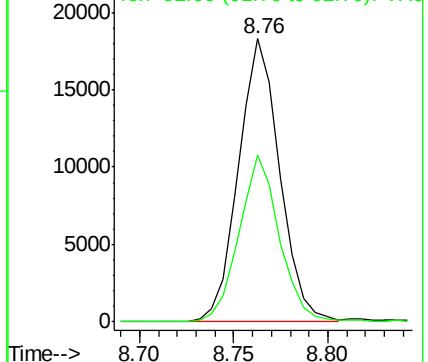
91 100

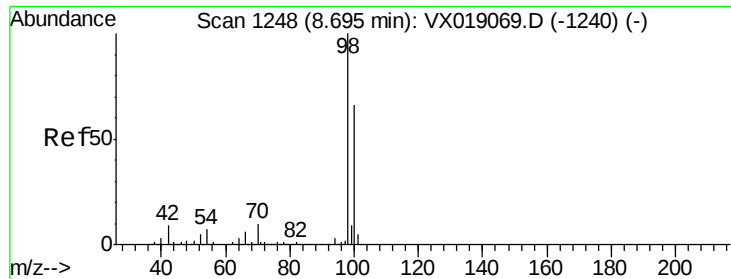
92 57.5 47.3 70.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.185 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 98 Resp: 295224

Ion Ratio Lower Upper

98 100

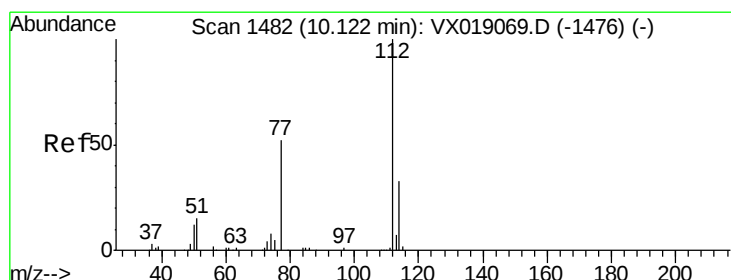
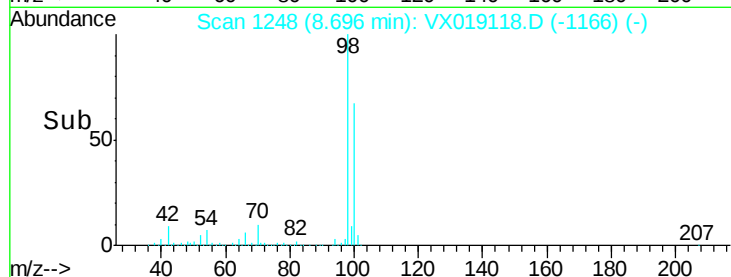
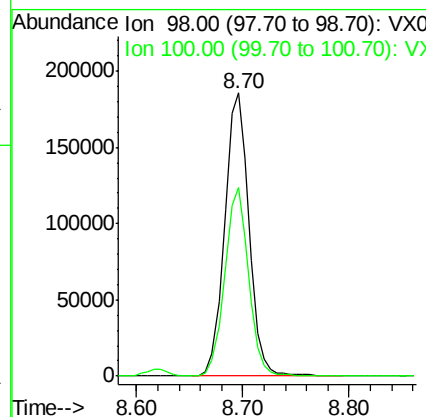
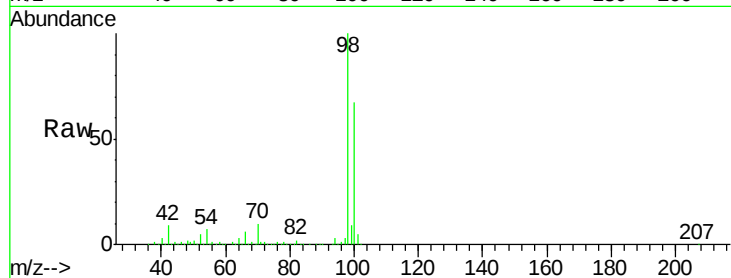
100 65.1 52.2 78.4

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#64

Chlorobenzene

Concen: 2.485 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX019118.D

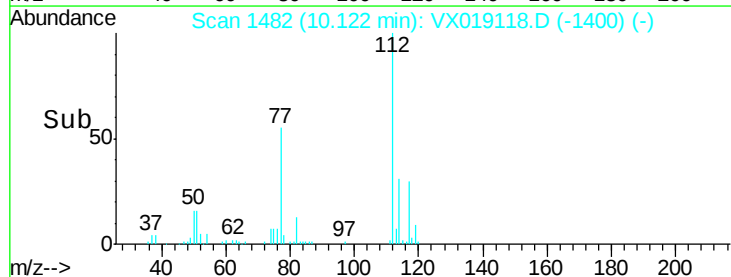
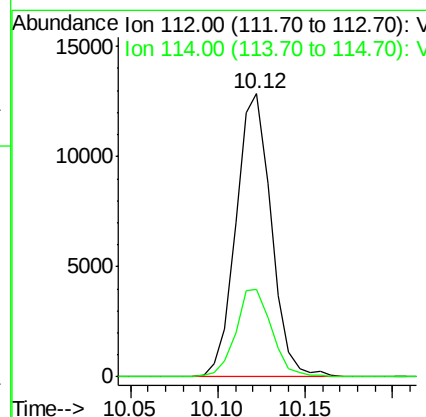
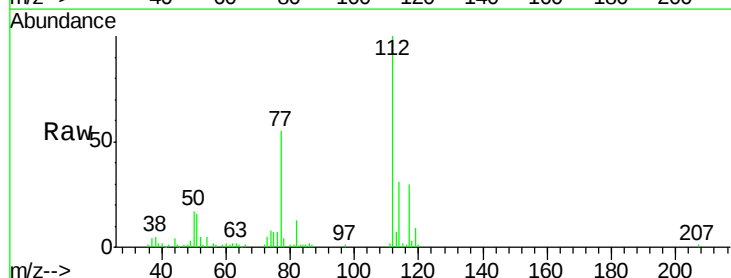
Acq: 26 Oct 2020 13:20

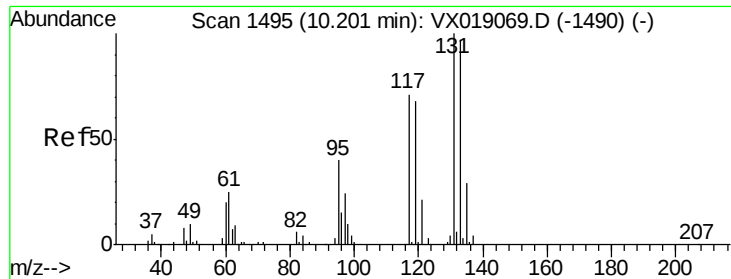
Tgt Ion: 112 Resp: 17981

Ion Ratio Lower Upper

112 100

114 30.7 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 2.326 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

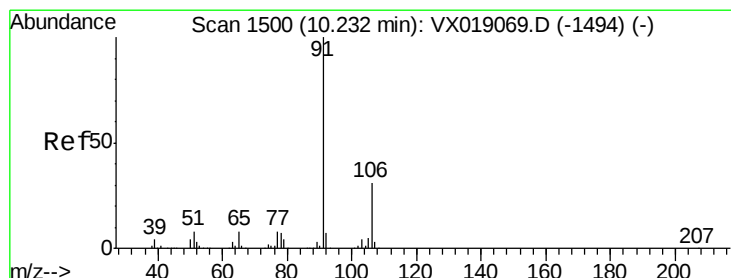
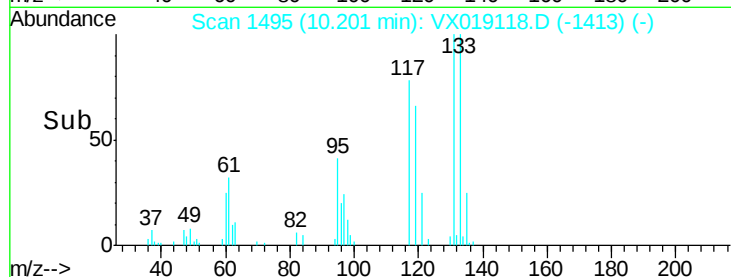
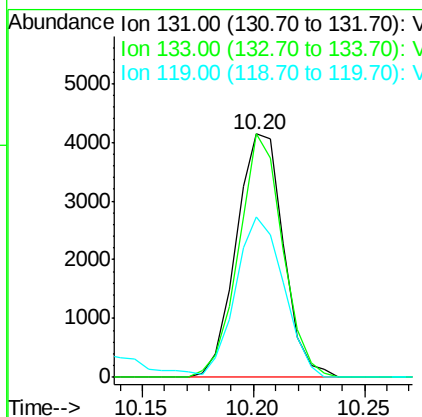
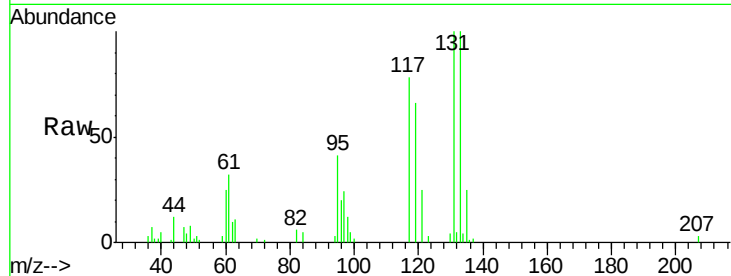
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
131	100		
133	93.3	0.0	191.6
119	66.6	0.0	130.0

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#66

Ethyl Benzene

Concen: 2.367 ug/l

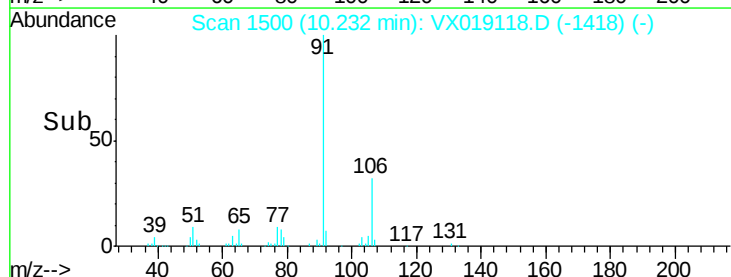
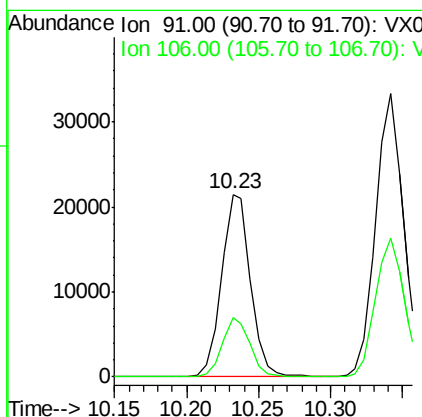
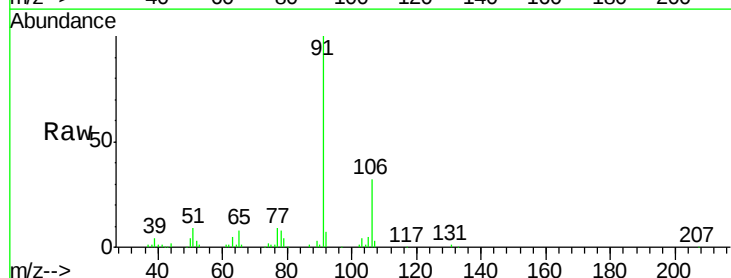
RT: 10.23 min Scan# 1500

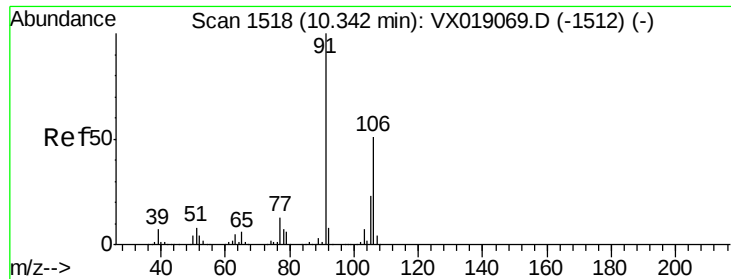
Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.3	24.7	37.1





#67

m/p-Xylenes

Concen: 4.663 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:106 Resp: 22696

Ion Ratio Lower Upper

106 100

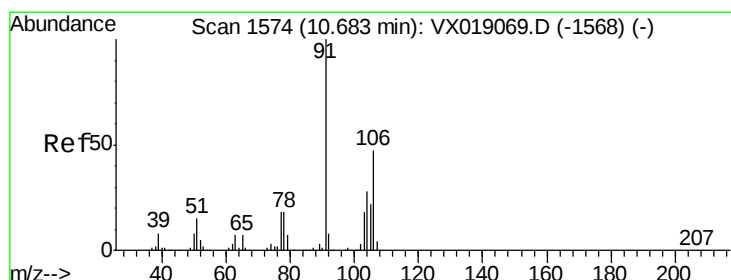
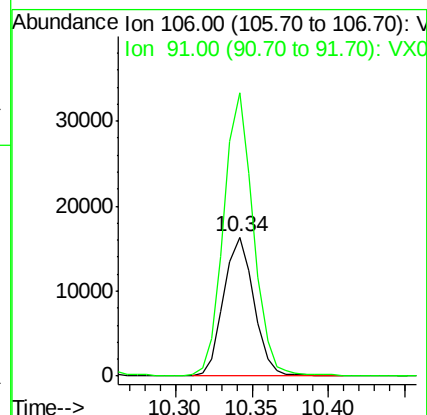
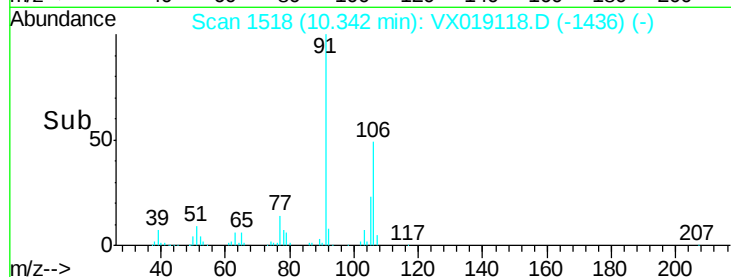
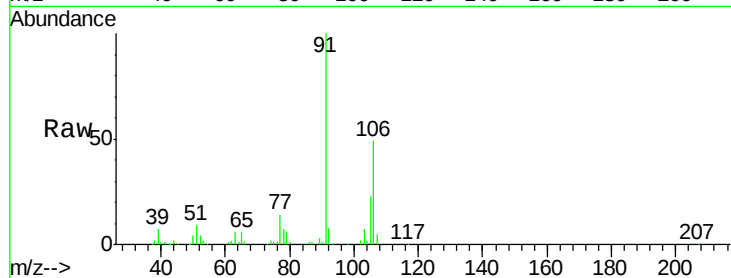
91 198.0 157.5 236.3

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#68

o-Xylene

Concen: 2.390 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX019118.D

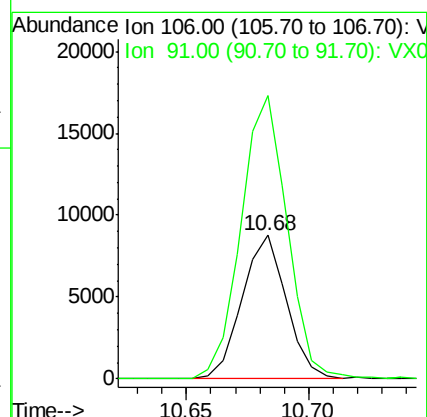
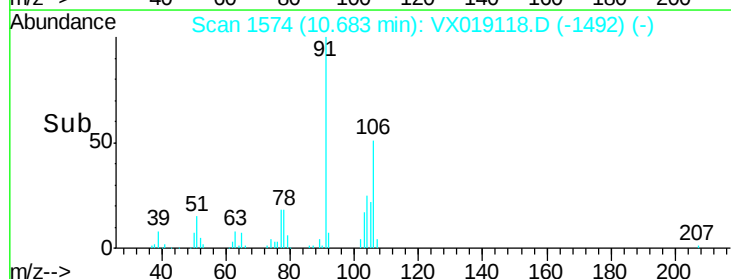
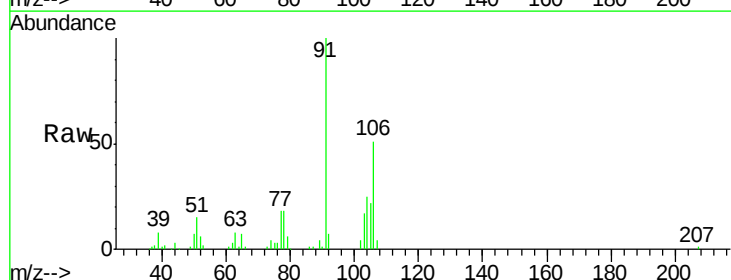
Acq: 26 Oct 2020 13:20

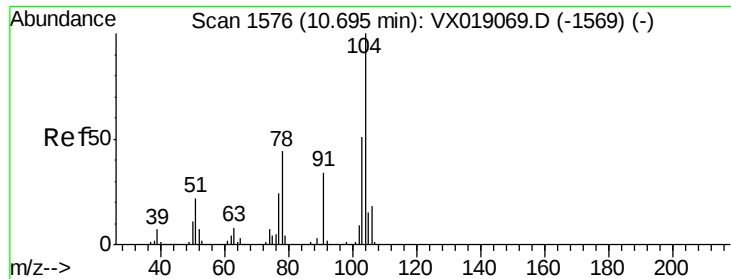
Tgt Ion:106 Resp: 11097

Ion Ratio Lower Upper

106 100

91 204.9 103.8 311.4





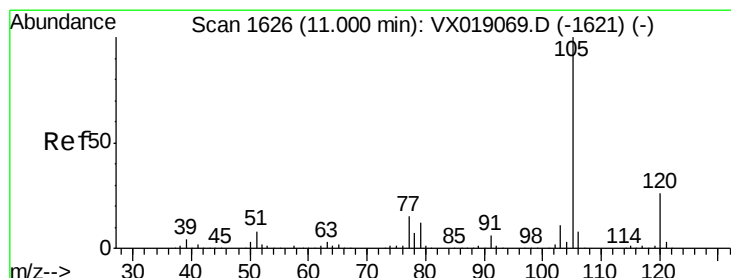
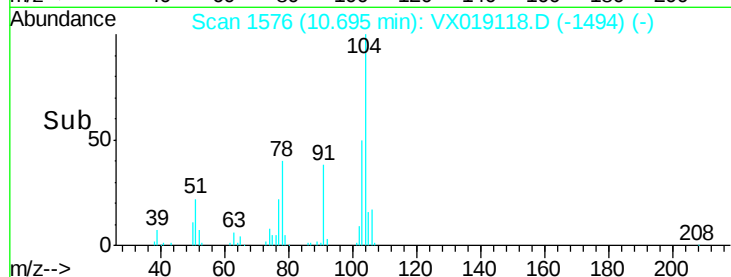
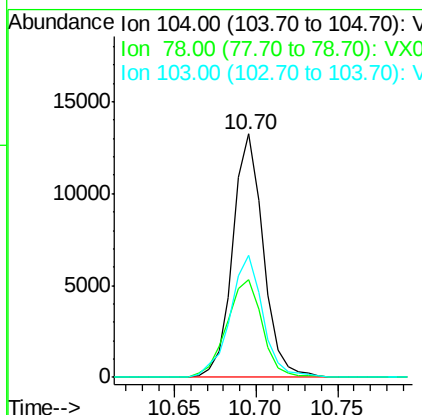
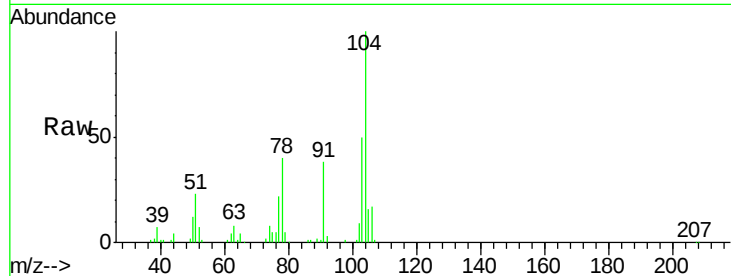
#69
Stvrene
Concen: 2.212 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

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

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.7	38.6	58.0
103	53.6	43.4	65.2

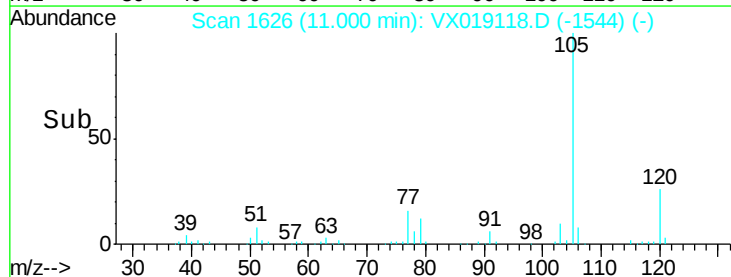
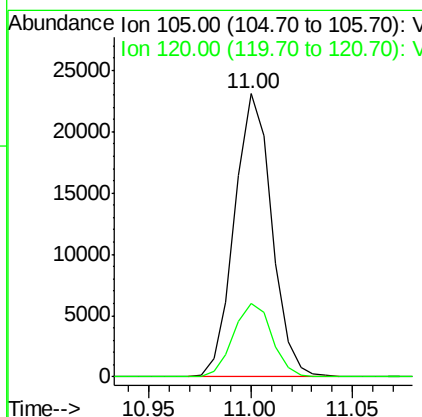
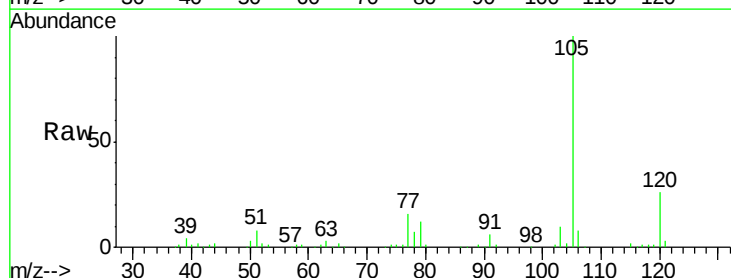
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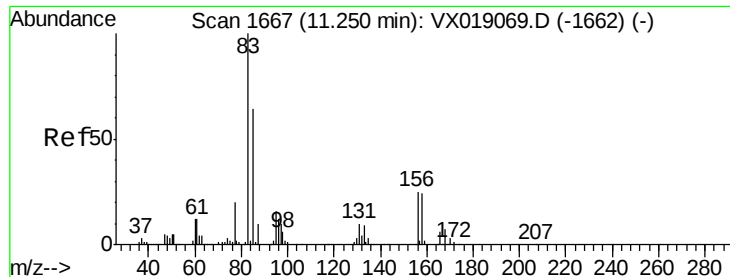
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#70
Isopropylbenzene
Concen: 2.352 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	19.0	35.4





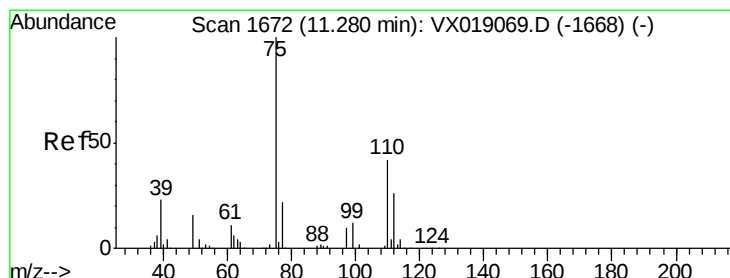
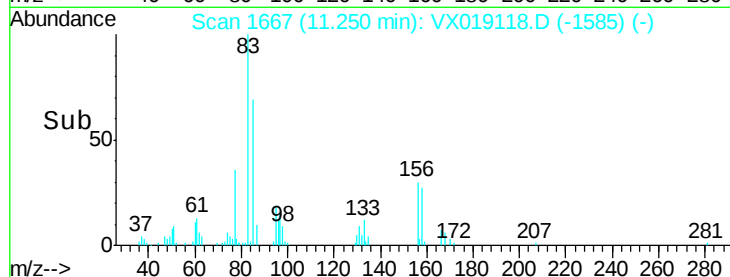
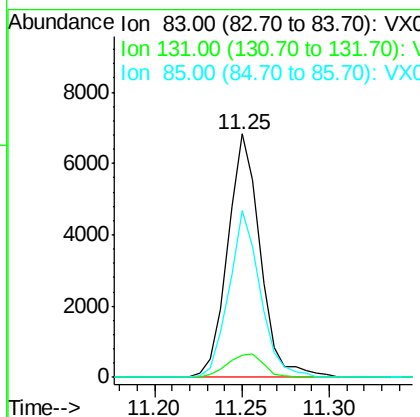
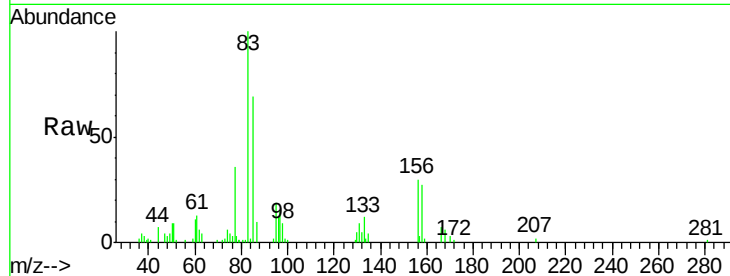
#71
 1,1,2,2-Tetrachloroethane
 Concen: 2.453 ug/l
 RT: 11.25 min Scan# 1667
 Delta R.T. 0.00 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

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

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.2	15.6
85	65.9	32.5	97.4

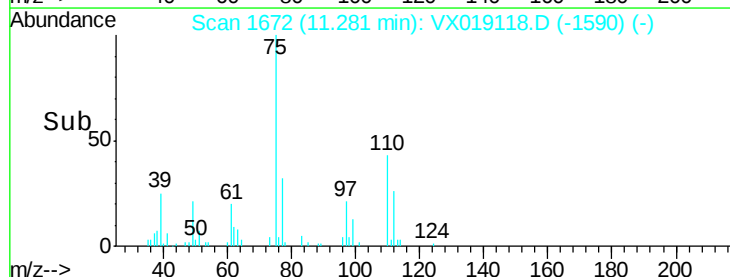
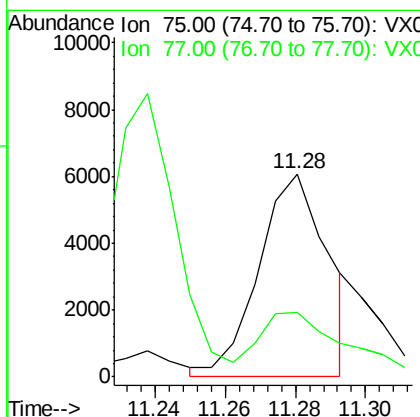
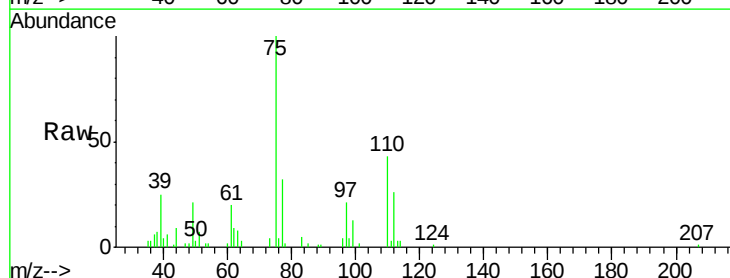
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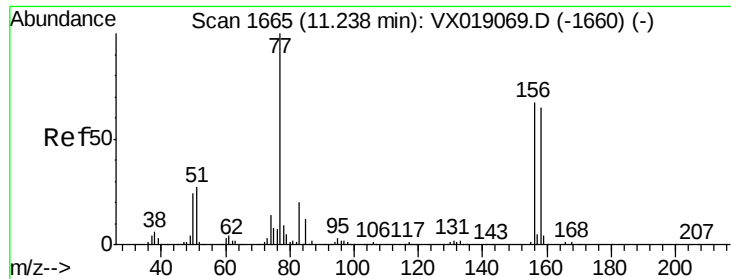
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#72
 1,2,3-Trichloropropane
 Concen: 2.561 ug/l m
 RT: 11.28 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	40.0	0.0	81.8





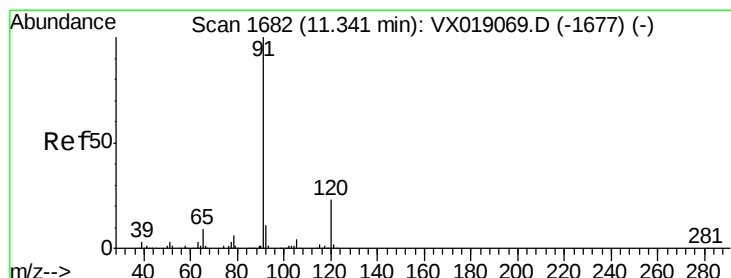
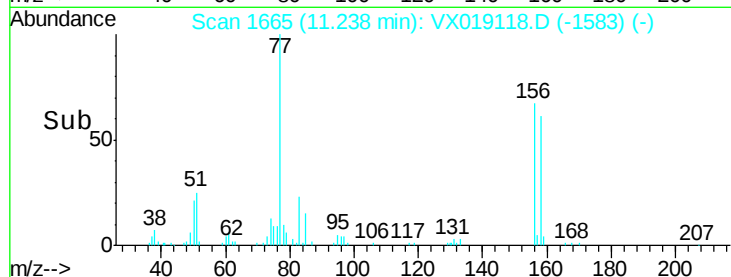
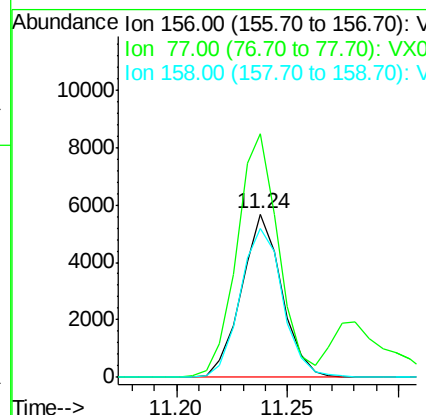
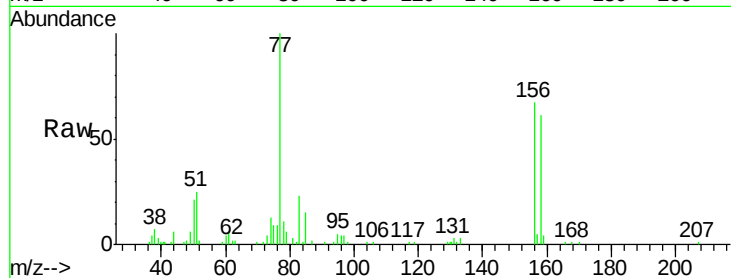
#73
Bromobenzene
Concen: 2.355 ug/l
RT: 11.24 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

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

Tot Ion	Ratio	Lower	Upper
156	100		
77	153.9	0.0	299.6
158	95.9	0.0	192.2

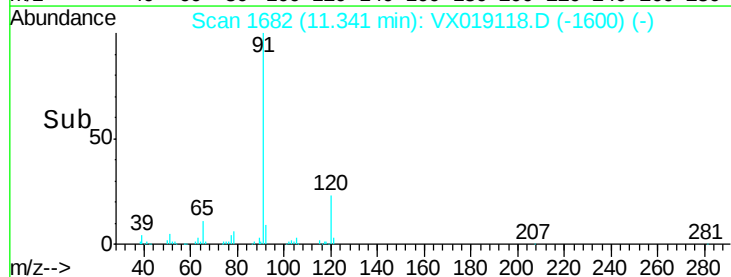
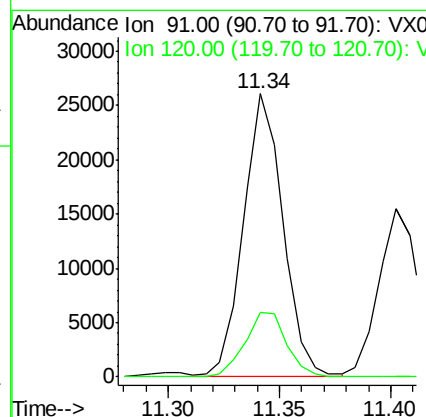
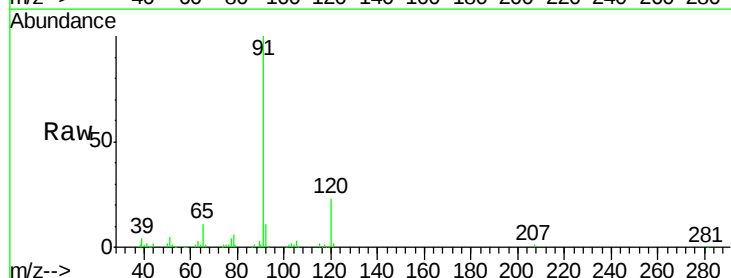
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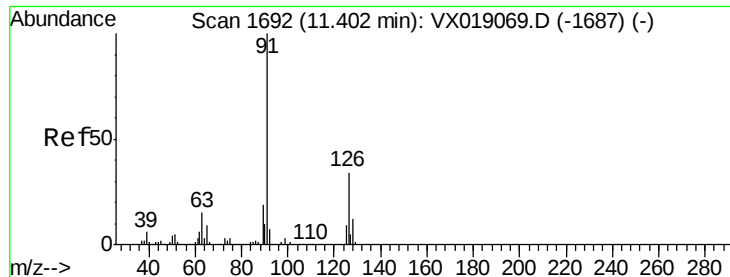
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#74
n-propylbenzene
Concen: 2.290 ug/l
RT: 11.34 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	0.0	46.6





#75

2-Chlorotoluene

Concen: 2.418 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 91 Resp: 19336

Ion Ratio Lower Upper

91 100

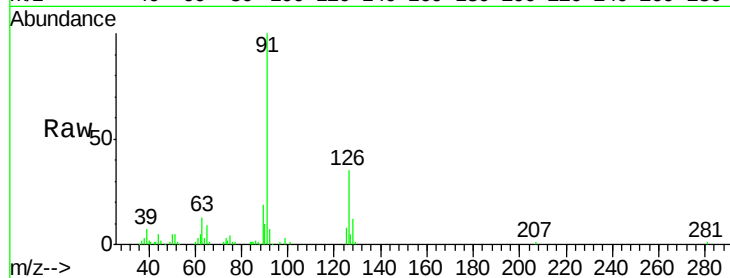
126 34.7 0.0 69.0

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Abundance Ion 91.00 (90.70 to 91.70): VX019069.D (-1687) (-)

Ion 126.00 (125.70 to 126.70): VX019069.D (-1687) (-)

25000

20000

15000

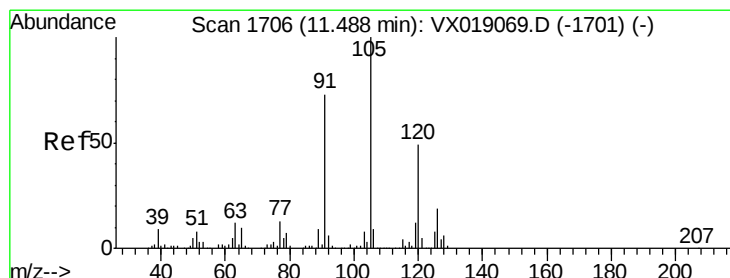
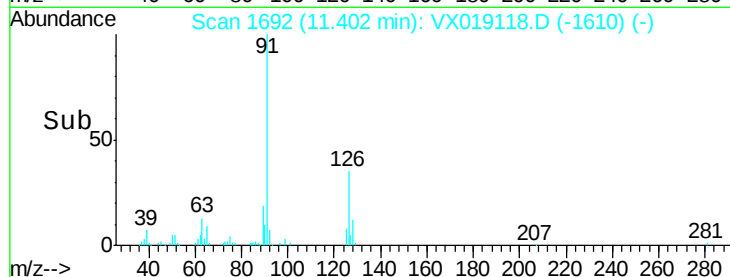
11.40

10000

5000

0

Time--> 11.35 11.40 11.45



#76

1,3,5-Trimethylbenzene

Concen: 2.294 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019118.D

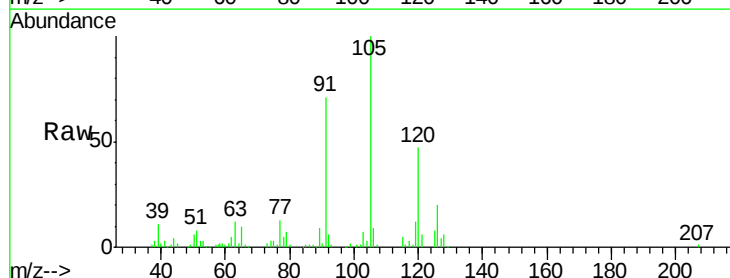
Acq: 26 Oct 2020 13:20

Tgt Ion: 105 Resp: 23235

Ion Ratio Lower Upper

105 100

120 49.2 0.0 100.2



Abundance Ion 105.00 (104.70 to 105.70): VX019069.D (-1701) (-)

Ion 120.00 (119.70 to 120.70): VX019069.D (-1701) (-)

20000

15000

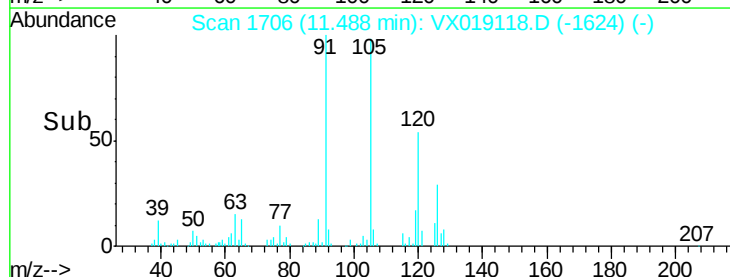
11.49

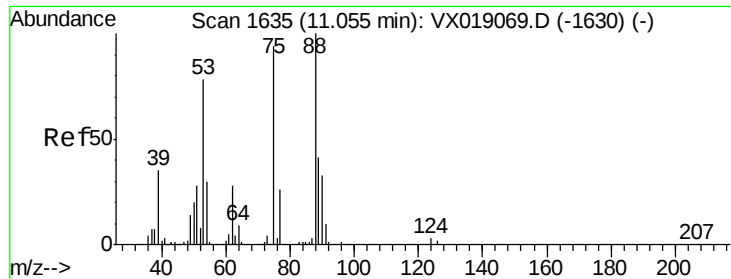
10000

5000

0

Time--> 11.45 11.50





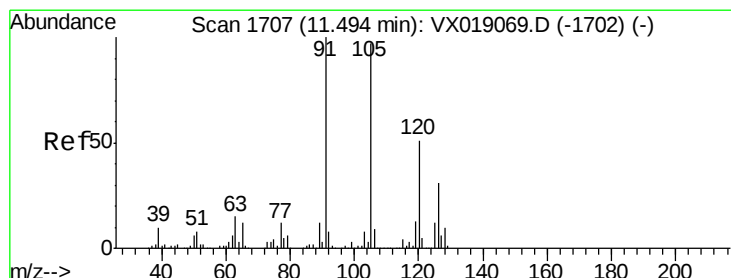
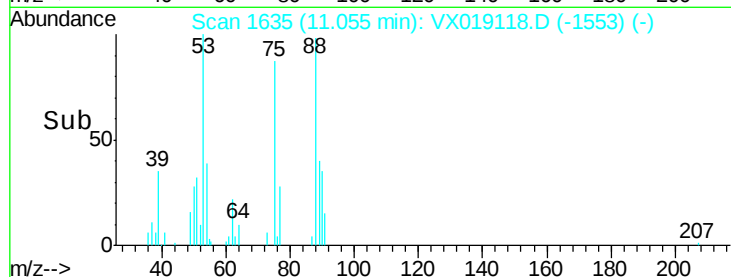
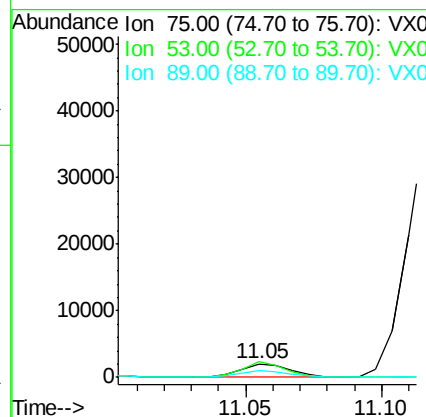
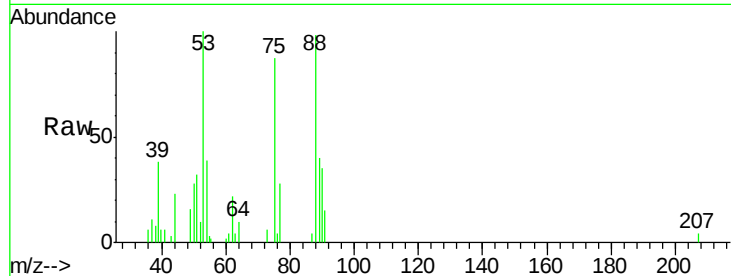
#77
t-1,4-Dichloro-2-butene
Concen: 2.042 ug/l
RT: 11.05 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

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

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.8	41.6	124.8
89	45.4	21.8	65.3

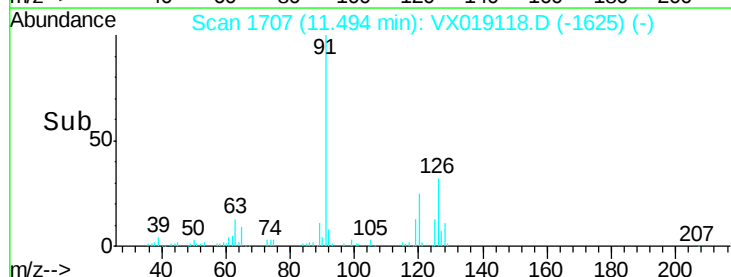
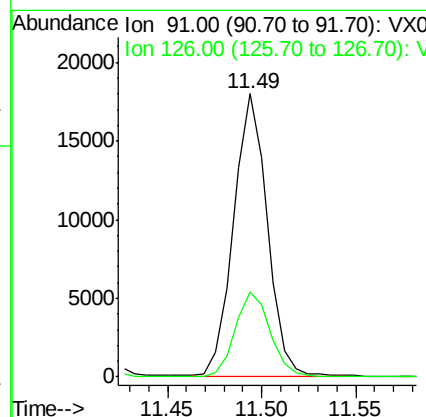
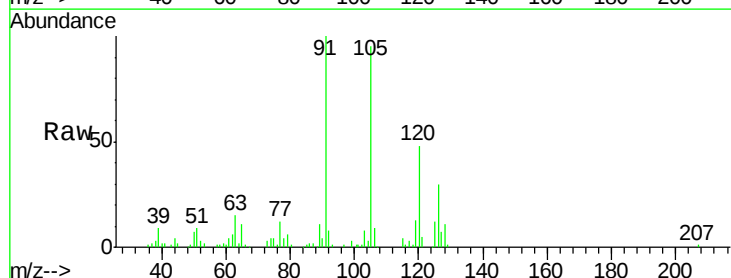
Manual Integrations
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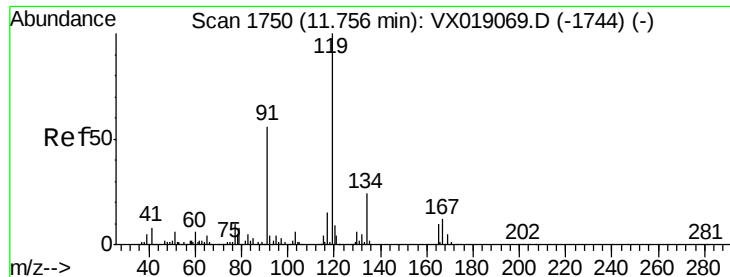
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#78
4-Chlorotoluene
Concen: 2.390 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	0.0	61.2





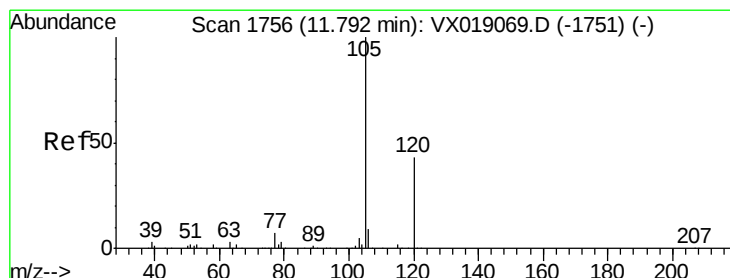
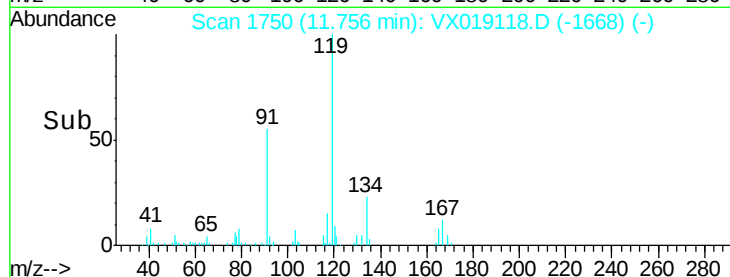
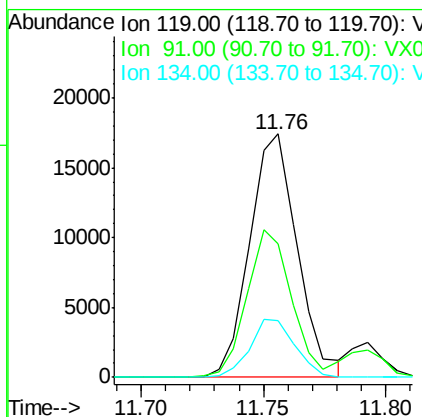
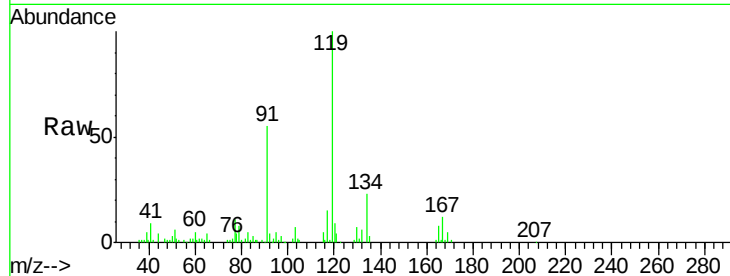
#79
tert-butylbenzene
Concen: 2.367 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	23606		
91	56.7		0.0	111.4
134	22.8		0.0	47.2

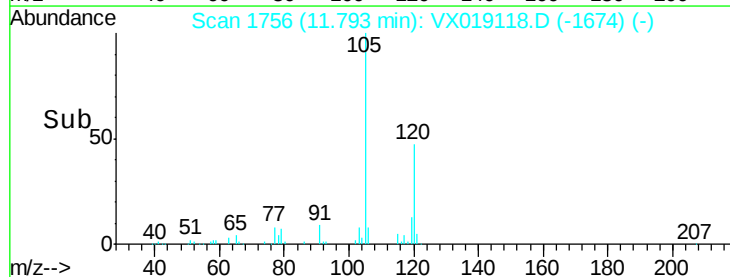
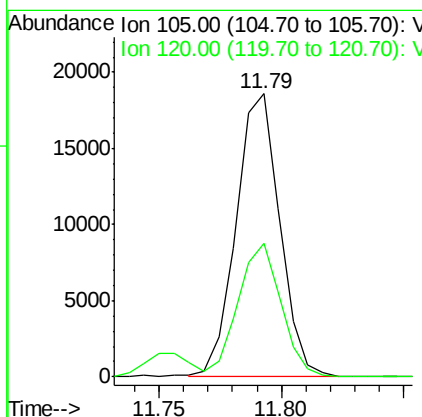
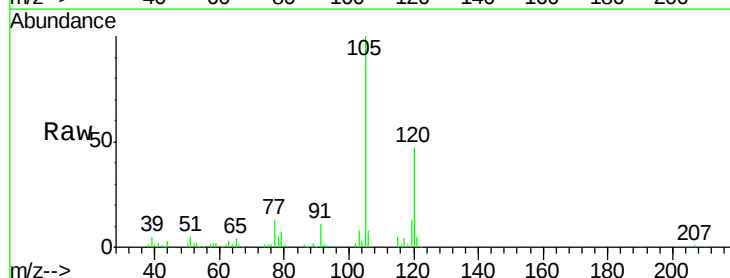
Manual Integrations
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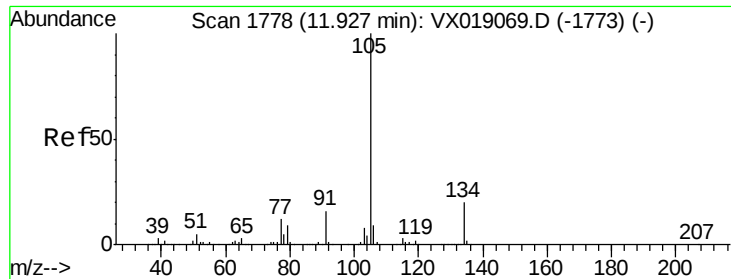
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 2.292 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	23075		
120	46.4		0.0	92.0





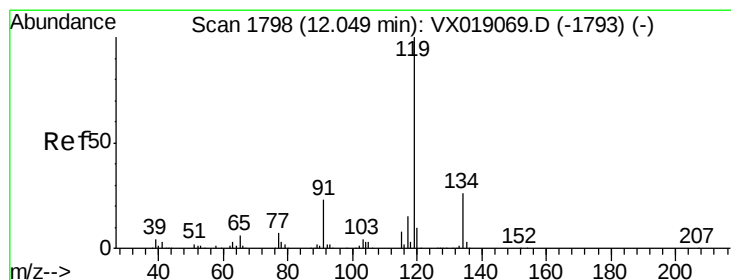
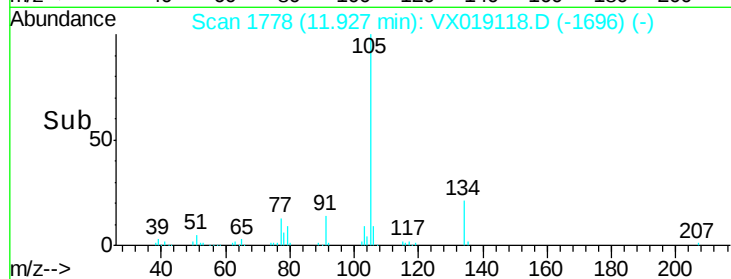
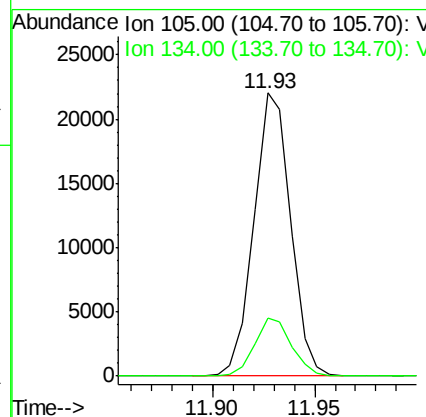
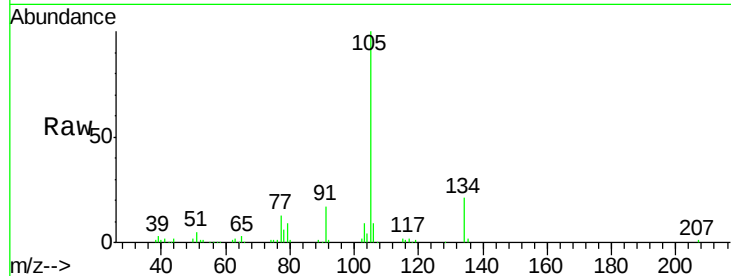
#81
 sec-Butylbenzene
 Concen: 2.342 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

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

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	0.0	40.8

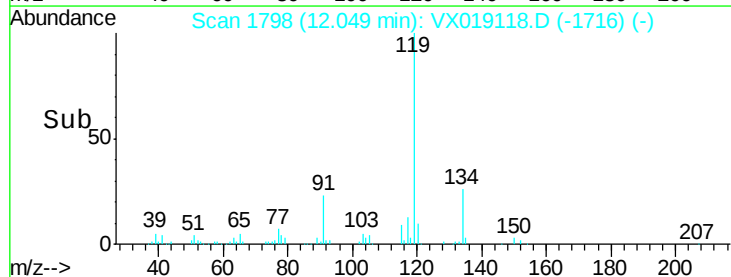
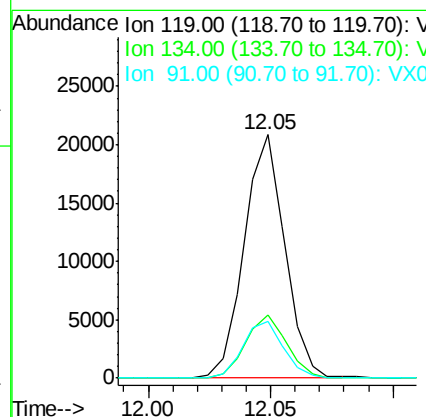
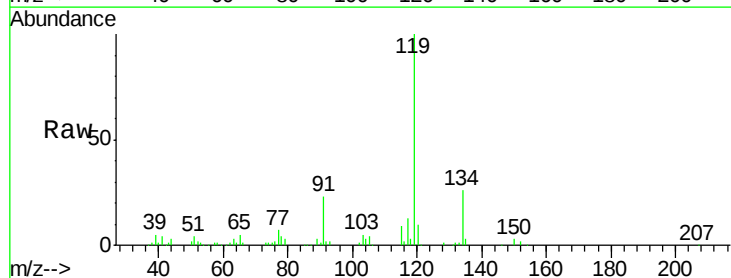
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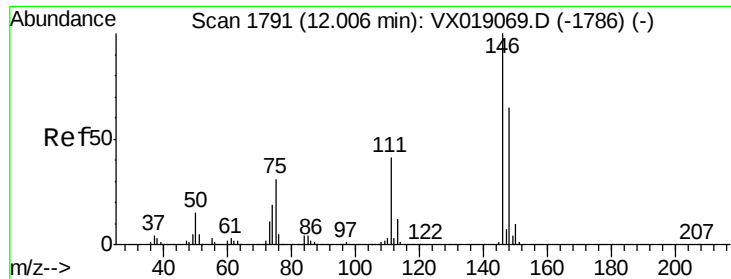
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#82
 p-Isopropyltoluene
 Concen: 2.212 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	0.0	52.0
91	23.8	0.0	45.6





#83

1,3-Dichlorobenzene

Concen: 2.406 ug/l

RT: 12.01 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Instrument :

MSVOA_X

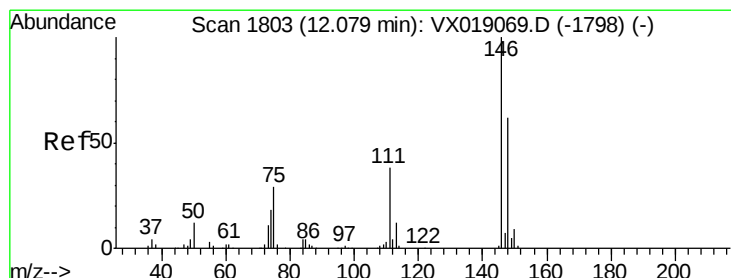
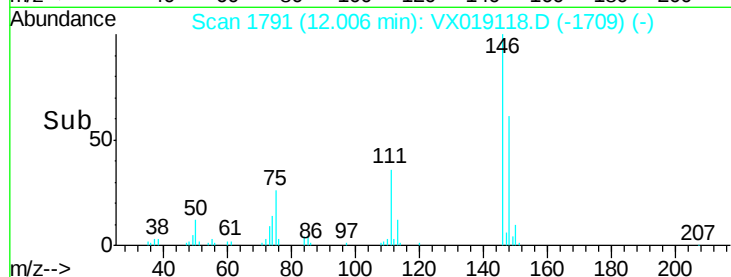
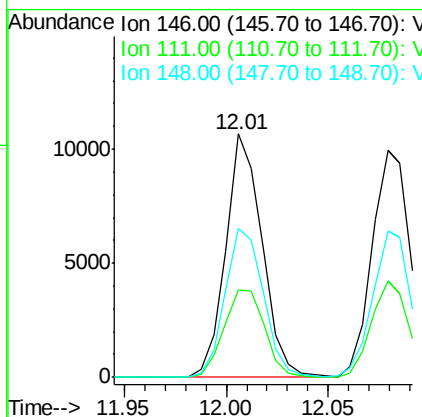
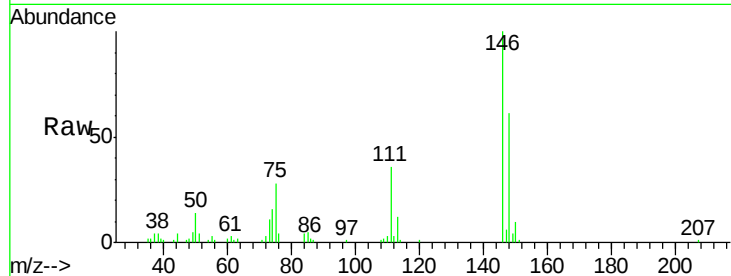
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	146	Resp:	13118
Ion Ratio	Lower	Upper	
146	100		
111	40.4	20.0	59.9
148	64.6	32.2	96.6

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#84

1,4-Dichlorobenzene

Concen: 2.370 ug/l

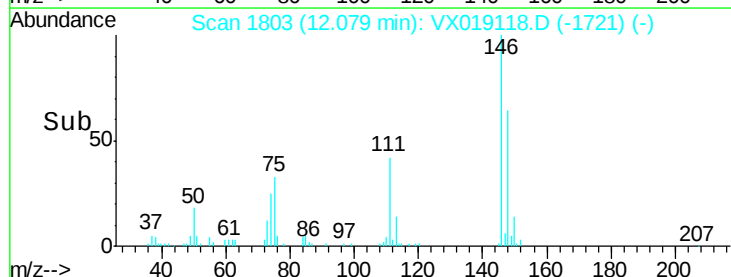
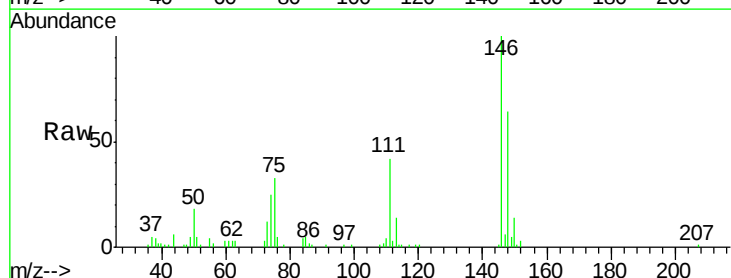
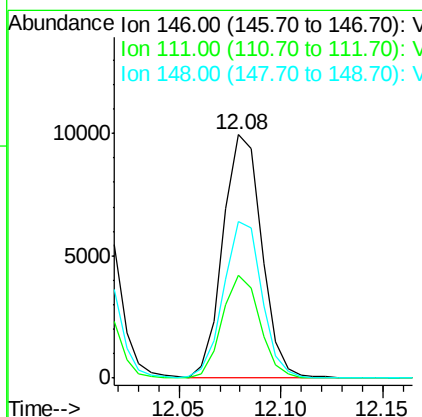
RT: 12.08 min Scan# 1803

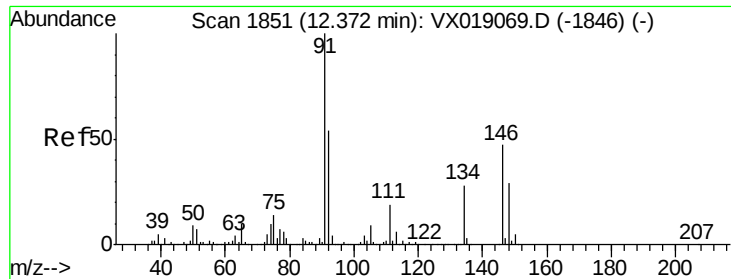
Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Tgt Ion:	146	Resp:	13122
Ion Ratio	Lower	Upper	
146	100		
111	40.5	18.9	56.7
148	63.5	31.6	95.0





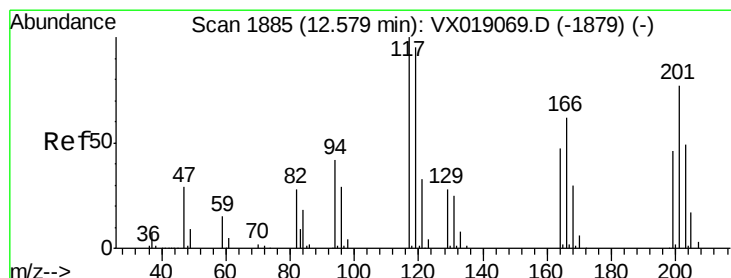
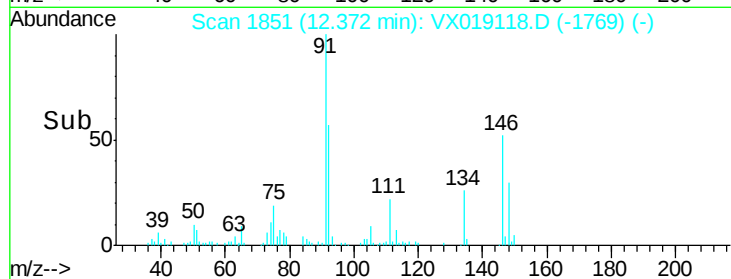
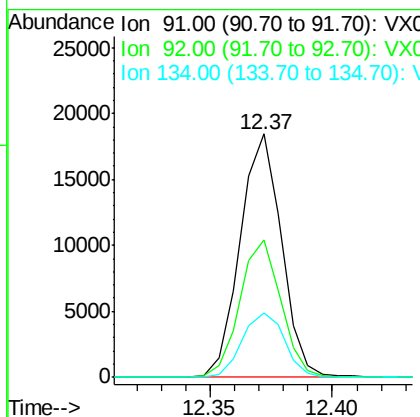
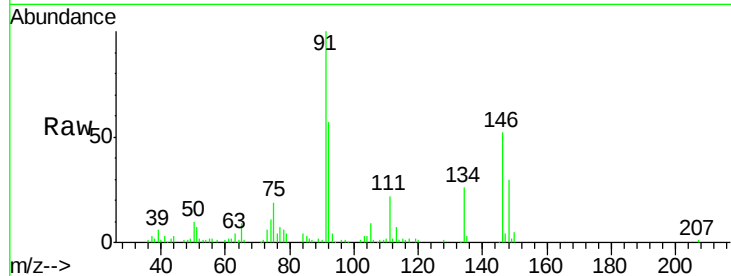
#85
n-Butylbenzene
Concen: 2.234 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.9	0.0	107.4
134	27.0	0.0	54.6

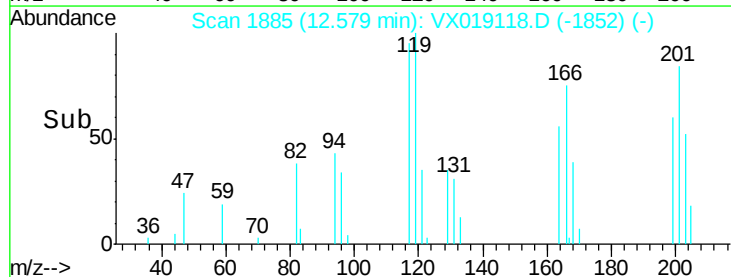
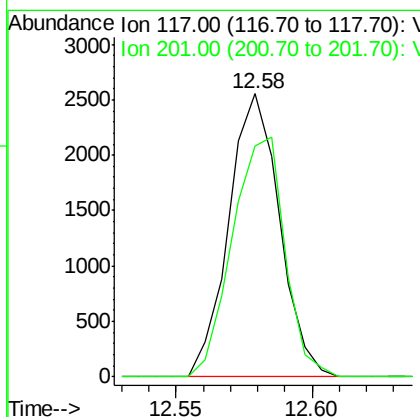
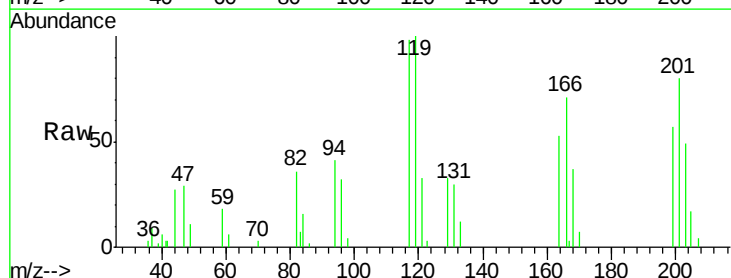
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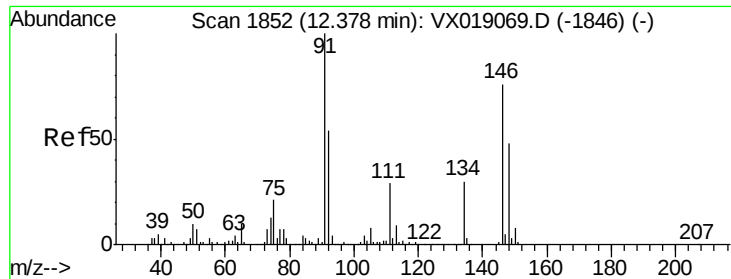
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#86
Hexachloroethane
Concen: 1.980 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.5	38.4	115.1





#87

1,2-Dichlorobenzene

Concen: 2.439 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

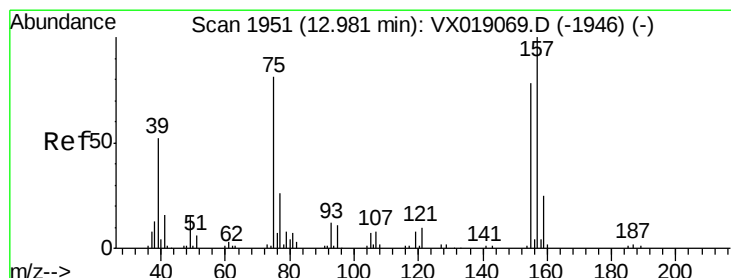
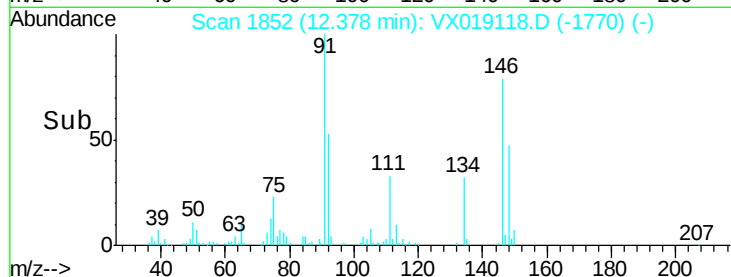
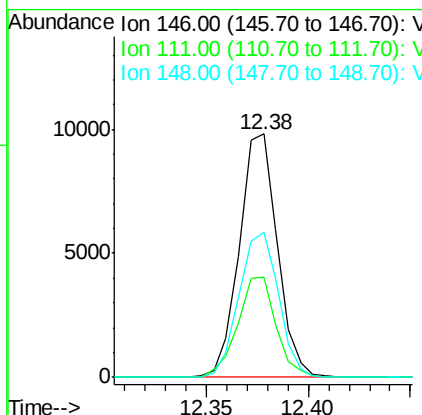
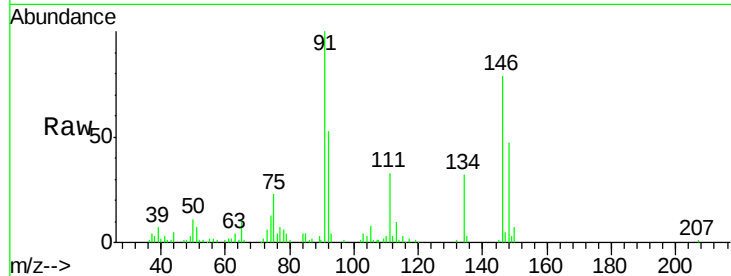
Instrument :
MSVOA_X

ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.3	61.0
148	61.7	32.1	96.5

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#88

1,2-Dibromo-3-Chloropropane

Concen: 2.429 ug/l

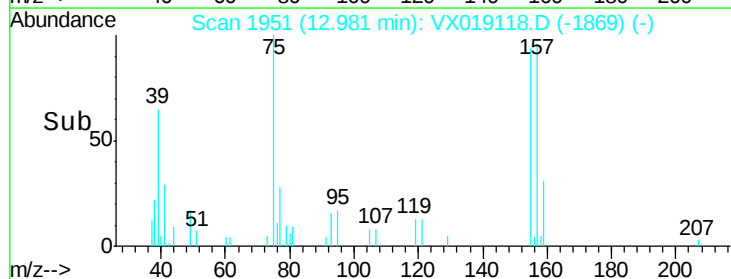
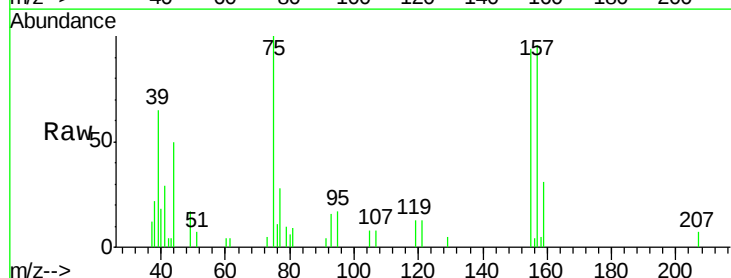
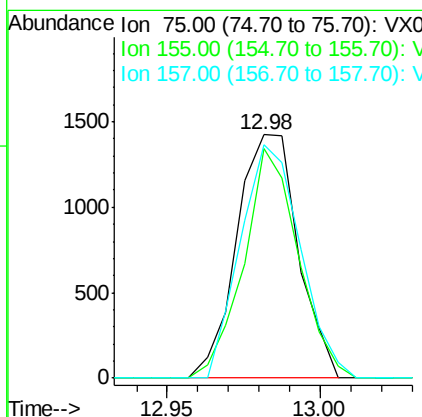
RT: 12.98 min Scan# 1951

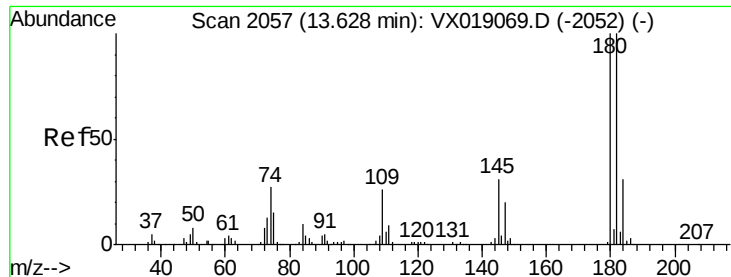
Delta R.T. 0.00 min

Lab File: VX019118.D

Acq: 26 Oct 2020 13:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.8	73.7	110.5
157	93.8	96.5	144.7#





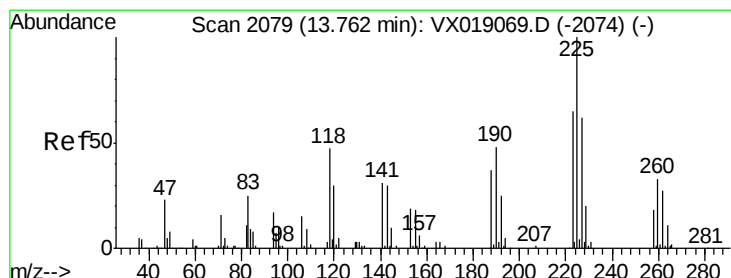
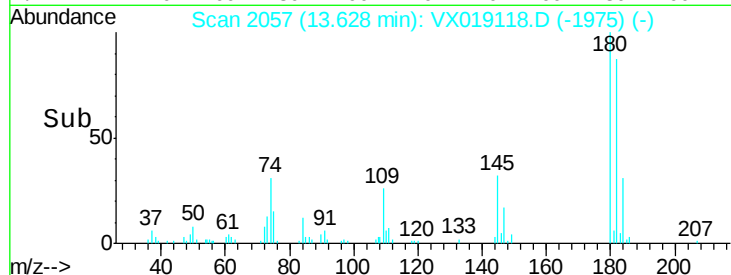
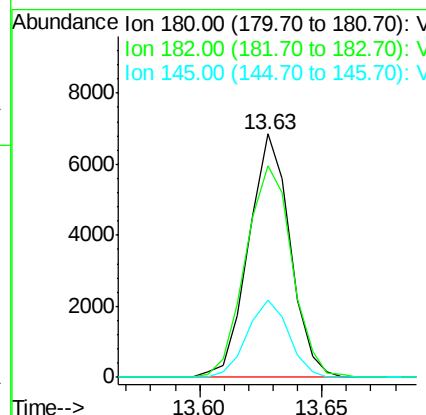
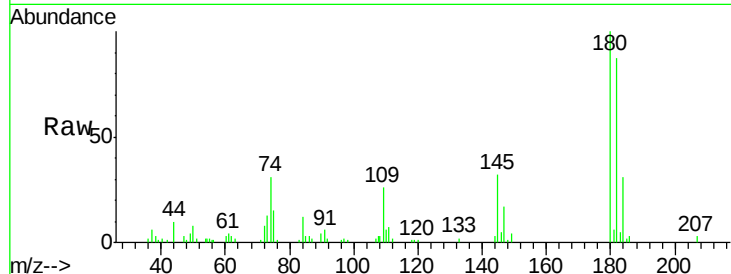
#89
 1,2,4-Trichlorobenzene
 Concen: 2.156 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.5	114.7
145	31.7	24.2	36.4

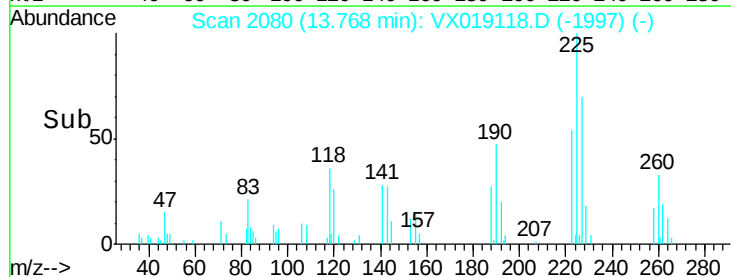
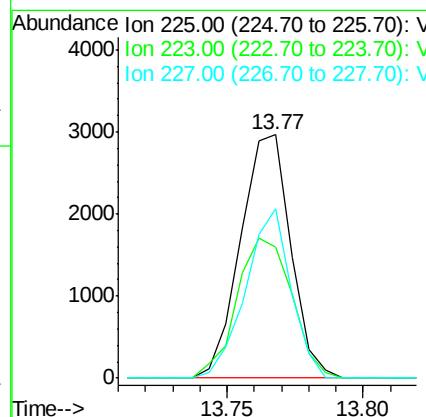
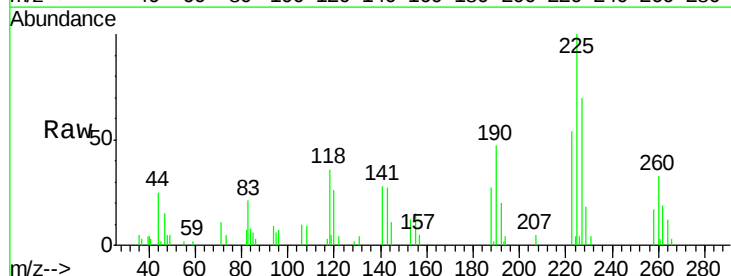
Manual Integrations
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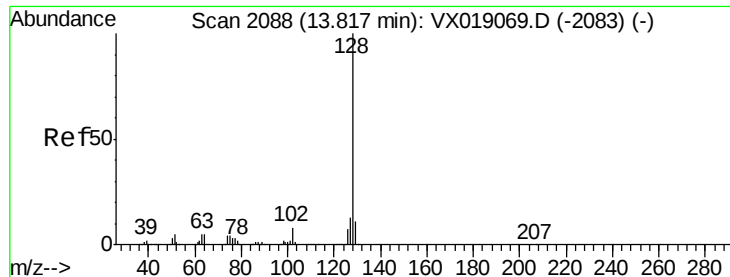
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#90
 Hexachlorobutadiene
 Concen: 2.383 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.01 min
 Lab File: VX019118.D
 Acq: 26 Oct 2020 13:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	0.0	130.0
227	62.4	0.0	128.6





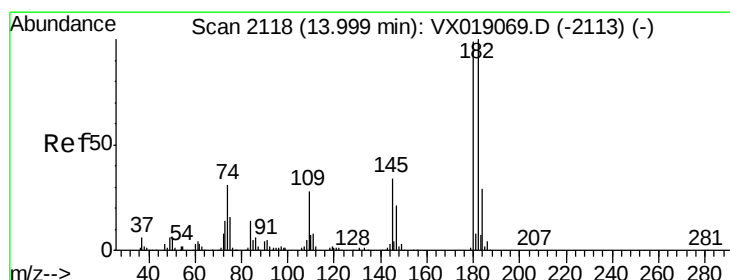
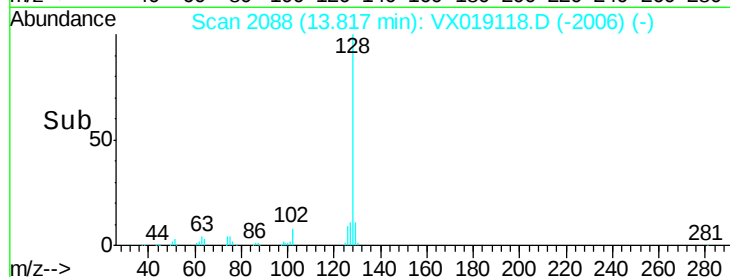
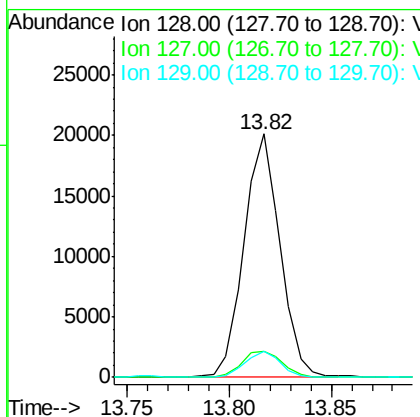
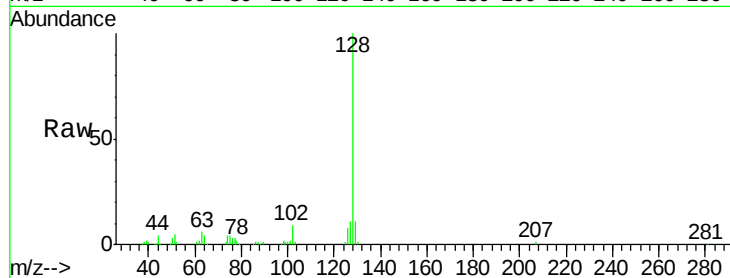
#91
Naphthalene
Concen: 2.008 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.6	16.0
129	10.7	8.9	13.3

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 2.294 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX019118.D
Acq: 26 Oct 2020 13:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	0.0	192.4
145	30.8	0.0	64.6

