

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102720\
 Data File : VX019139.D
 Acq On : 27 Oct 2020 16:26
 Operator : JC/MD
 Sample : L4214-09 .5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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 10/28/2020 12:32:51 PM

Quant Time: Oct 28 03:27:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 28 03:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	283368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	472630	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	423548	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	198552	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	178010	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
35) Dibromofluoromethane	5.46	113	140287	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	
50) Toluene-d8	8.70	98	534639	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	
62) 4-Bromofluorobenzene	11.12	95	195106	46.04	ug/l	0.00
Spiked Amount			Recovery	=	92.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	1126	0.477	ug/l	90
3) Chloromethane	1.31	50	1511	0.573	ug/l	95
4) Vinyl Chloride	1.39	62	1503	0.491	ug/l	97
5) Bromomethane	1.64	94	1802	0.862	ug/l	93
6) Chloroethane	1.72	64	1040	0.532	ug/l	88
7) Trichlorofluoromethane	1.92	101	2298	0.478	ug/l	89
8) Diethyl Ether	2.17	74	1035	0.561	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1408	0.528	ug/l	95
10) Methyl Iodide	2.50	142	1172	0.433	ug/l	96
11) Tert butyl alcohol	3.02	59	2297	3.182	ug/l #	92
12) 1,1-Dichloroethene	2.36	96	1408	0.513	ug/l	82
13) Acrolein	2.28	56	1566	4.454	ug/l #	79
14) Allyl chloride	2.70	41	2300	0.553	ug/l	95
15) Acrylonitrile	3.12	53	3622	2.388	ug/l	94
16) Acetone	2.43	43	3292	2.611	ug/l	91
17) Carbon Disulfide	2.55	76	5423	0.650	ug/l #	93
18) Methyl Acetate	2.75	43	1856	0.605	ug/l #	87
19) Methyl tert-butyl Ether	3.17	73	4028	0.423	ug/l	93
20) Methylene Chloride	2.83	84	1895	0.599	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	1646	0.521	ug/l	99
22) Diisopropyl ether	3.82	45	3848	0.464	ug/l #	91
23) Vinyl Acetate	3.79	43	16327	2.208	ug/l	96
24) 1,1-Dichloroethane	3.67	63	2353	0.454	ug/l	94
25) 2-Butanone	4.64	43	5248	2.641	ug/l #	86
26) 2,2-Dichloropropane	4.55	77	2156	0.443	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	1570	0.444	ug/l	91
28) Bromochloromethane	4.98	49	1157	0.492	ug/l #	87
29) Tetrahydrofuran	5.10	42	3239	2.587	ug/l	93
30) Chloroform	5.18	83	2503	0.454	ug/l	99
31) Cyclohexane	5.54	56	2108	0.456	ug/l #	83
32) 1,1,1-Trichloroethane	5.45	97	2138	0.428	ug/l #	48
36) 1,1-Dichloropropene	5.78	75	2256	0.517	ug/l	97
37) Ethyl Acetate	4.80	43	1922	0.474	ug/l #	72
38) Carbon Tetrachloride	5.74	117	2153	0.484	ug/l #	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	2401	0.460	ug/l	96
40) Benzene	6.11	78	5763	0.466	ug/l	95
41) Methacrylonitrile	5.01	41	950	0.435	ug/l #	90
42) 1,2-Dichloroethane	6.17	62	2425	0.532	ug/l	93
43) Isopropyl Acetate	6.42	43	3367	0.496	ug/l	97
44) Trichloroethene	7.19	130	1750	0.494	ug/l	92
45) 1,2-Dichloropropane	7.49	63	1386	0.457	ug/l	96
46) Dibromomethane	7.63	93	1056	0.471	ug/l	90
47) Bromodichloromethane	7.87	83	1856	0.420	ug/l	99
48) Methyl methacrylate	7.74	41	1713	0.525	ug/l #	86
49) 1,4-Dioxane	7.74	88	636	8.757	ug/l #	33
51) 4-Methyl-2-Pentanone	8.62	43	8380	2.149	ug/l	99
52) Toluene	8.76	92	3513	0.441	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	2171	0.430	ug/l	94
54) cis-1,3-Dichloropropene	8.42	75	2088	0.394	ug/l #	86
55) 1,1,2-Trichloroethane	9.20	97	1431	0.454	ug/l #	92
56) Ethyl methacrylate	9.16	69	1848	0.389	ug/l #	81
57) 1,3-Dichloropropane	9.35	76	2391	0.450	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	5008	1.883	ug/l	99
59) 2-Hexanone	9.48	43	6556	2.208	ug/l	93
60) Dibromochloromethane	9.56	129	1293	0.378	ug/l	92
61) 1,2-Dibromoethane	9.65	107	1471	0.437	ug/l	98
64) Tetrachloroethene	9.32	164	1757	0.544	ug/l #	87
65) Chlorobenzene	10.12	112	4235	0.489	ug/l #	83
66) 1,1,1,2-Tetrachloroethane	10.21	131	1196	0.384	ug/l #	63
67) Ethyl Benzene	10.24	91	6733	0.436	ug/l	99
68) m/p-Xylenes	10.34	106	4876	0.842	ug/l	90
69) o-Xylene	10.68	106	2259	0.411	ug/l	98
70) Styrene	10.70	104	3807	0.406	ug/l	92
71) Bromoform	10.84	173	883	0.357	ug/l #	87
73) Isopropylbenzene	11.00	105	6433	0.458	ug/l	97
74) N-amyl acetate	10.88	43	2214	0.431	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.25	83	1849	0.421	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	1964m	0.479	ug/l	
77) Bromobenzene	11.24	156	1815	0.520	ug/l	93
78) n-propylbenzene	11.34	91	7381	0.460	ug/l	96
79) 2-Chlorotoluene	11.40	91	4481	0.474	ug/l	96
80) 1,3,5-Trimethylbenzene	11.49	105	5063	0.426	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.05	75	528m	0.339	ug/l	
82) 4-Chlorotoluene	11.49	91	5575	0.483	ug/l	100
83) tert-Butylbenzene	11.75	119	4987	0.439	ug/l	97
84) 1,2,4-Trimethylbenzene	11.79	105	5247	0.438	ug/l	99
85) sec-Butylbenzene	11.93	105	5818	0.427	ug/l	98
86) p-Isopropyltoluene	12.05	119	5402	0.429	ug/l	86
87) 1,3-Dichlorobenzene	12.01	146	3423	0.527	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	3752m	0.555	ug/l	
89) n-Butylbenzene	12.37	91	5490	0.464	ug/l	100
90) Hexachloroethane	12.58	117	726	0.339	ug/l	100
91) 1,2-Dichlorobenzene	12.37	146	2970	0.476	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.98	75	508	0.472	ug/l	88

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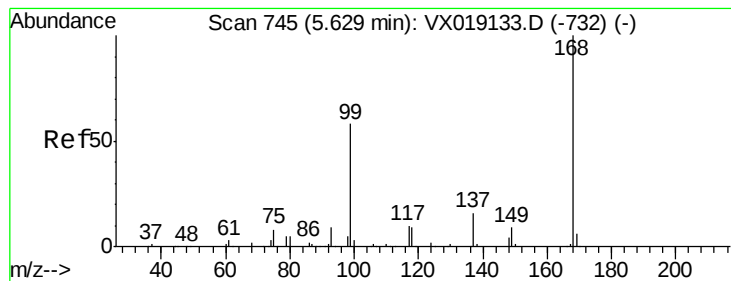
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	2233	0.477	ug/l	94
94) Hexachlorobutadiene	13.77	225	957	0.464	ug/l	97
95) Naphthalene	13.82	128	6127	0.415	ug/l	98
96) 1,2,3-Trichlorobenzene	14.00	180	1963	0.432	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:168 Resp: 283368

Ion Ratio Lower Upper

168 100

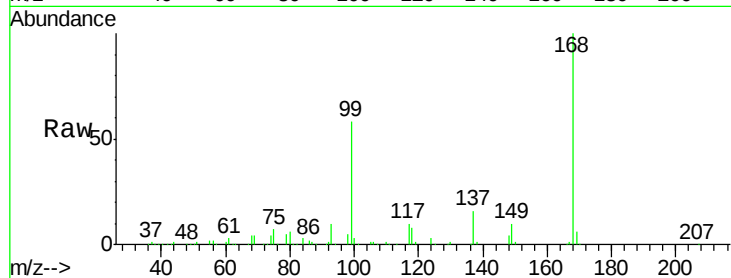
99 57.8 46.6 69.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

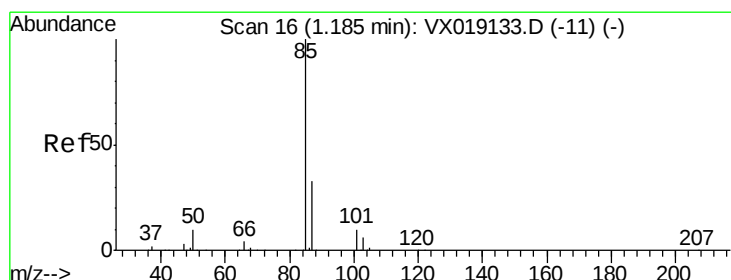
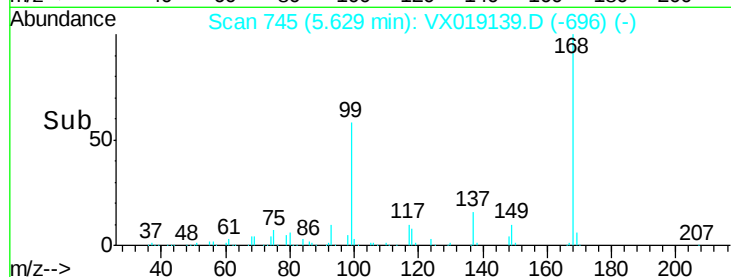
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.477 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019139.D

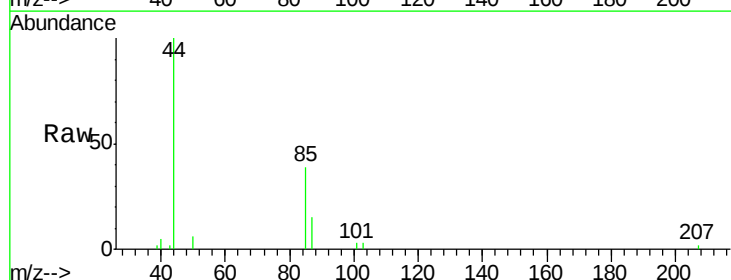
Acq: 27 Oct 2020 16:26

Tgt Ion: 85 Resp: 1126

Ion Ratio Lower Upper

85 100

87 39.0 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

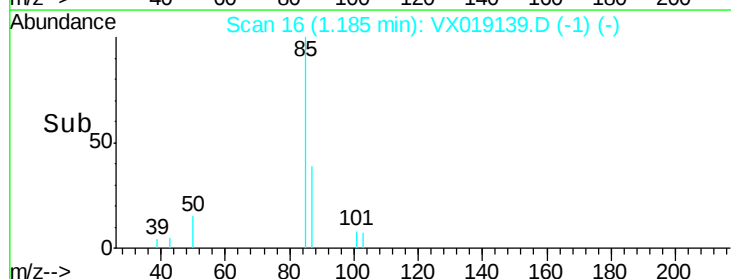
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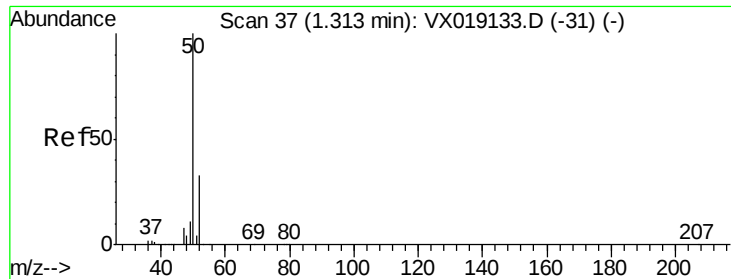
1000

500

0

Time-->





#3

Chloromethane

Concen: 0.573 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 50 Resp: 1511

Ion Ratio Lower Upper

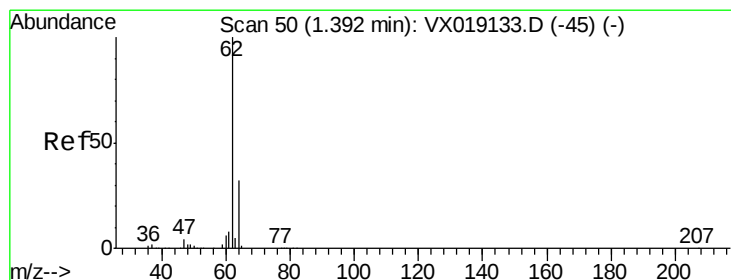
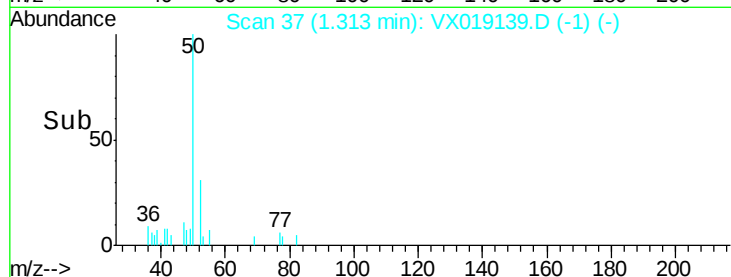
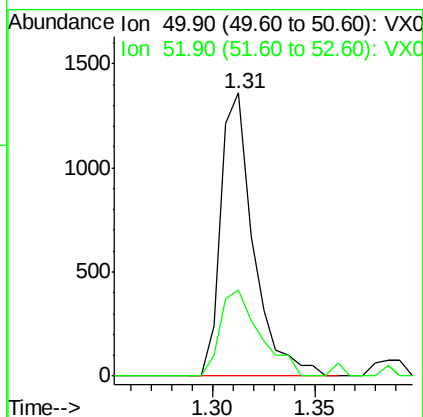
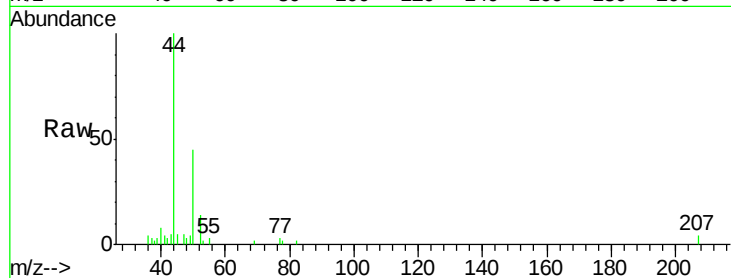
50 100

52 30.6 26.8 40.2

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#4

Vinyl Chloride

Concen: 0.491 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019139.D

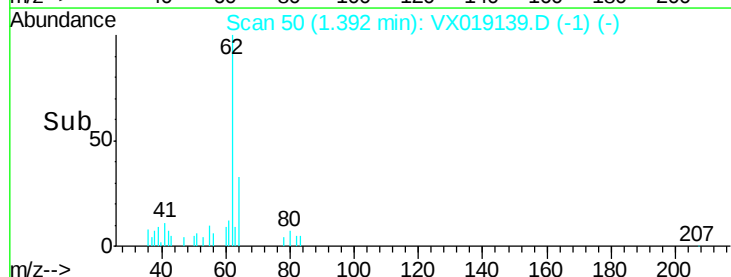
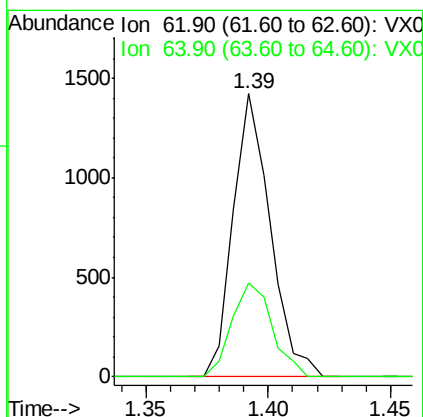
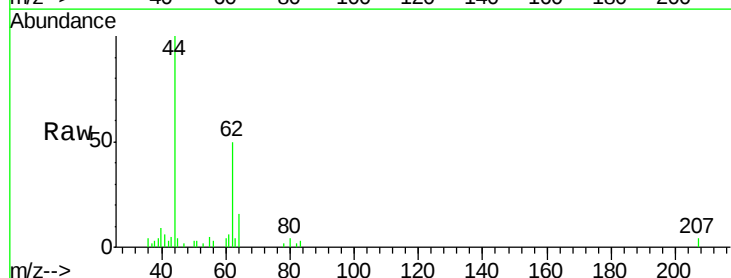
Acq: 27 Oct 2020 16:26

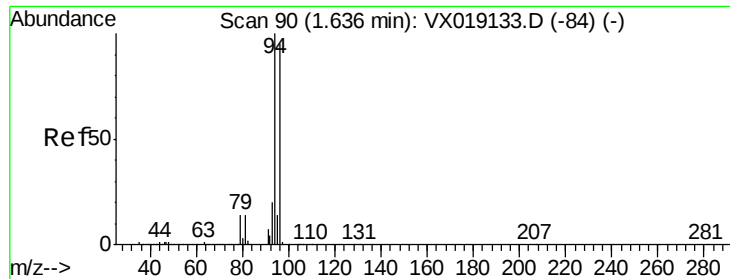
Tgt Ion: 62 Resp: 1503

Ion Ratio Lower Upper

62 100

64 33.1 25.4 38.0





#5

Bromomethane

Concen: 0.862 ug/l

RT: 1.64 min Scan# 90

Delta R.T. -0.00 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 94 Resp: 1802

Ion Ratio Lower Upper

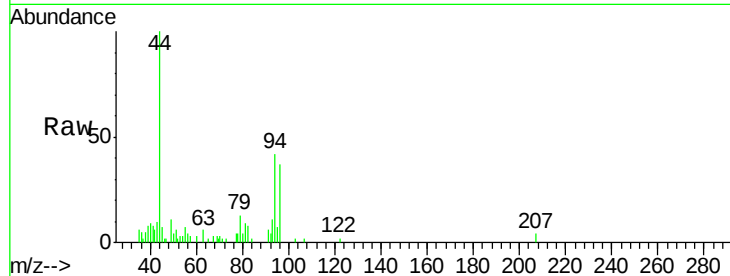
94 100

96 88.1 76.0 114.0

Manual Integrations
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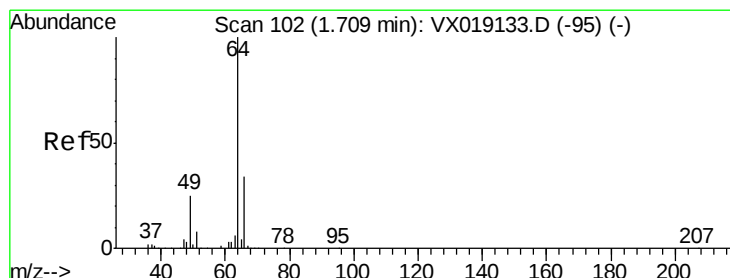
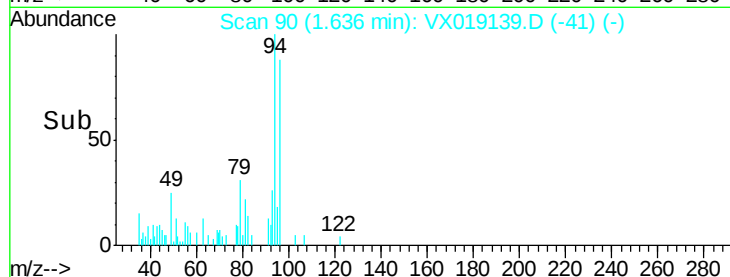
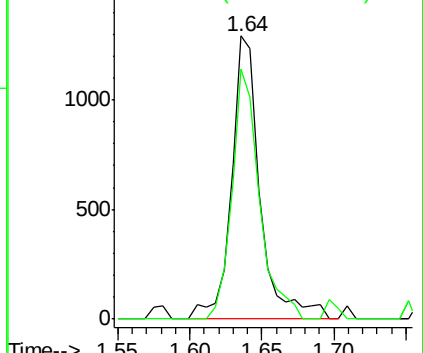
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.532 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX019139.D

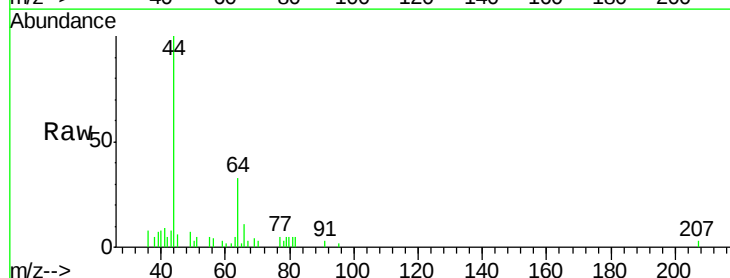
Acq: 27 Oct 2020 16:26

Tgt Ion: 64 Resp: 1040

Ion Ratio Lower Upper

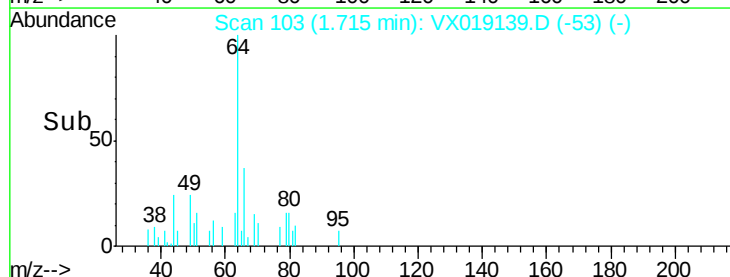
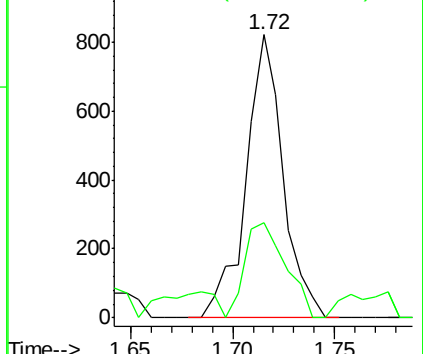
64 100

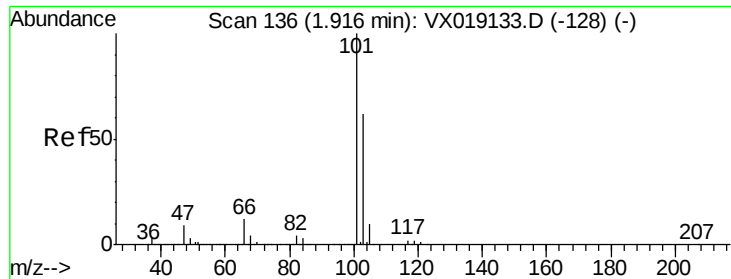
66 27.3 27.1 40.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

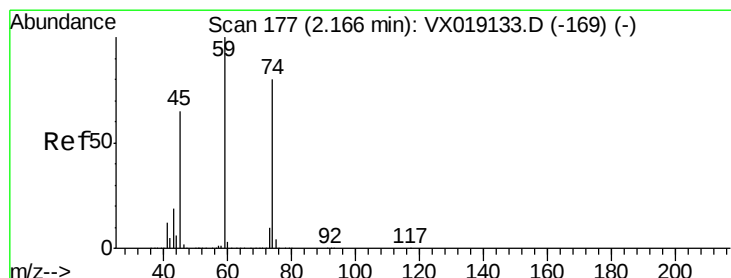
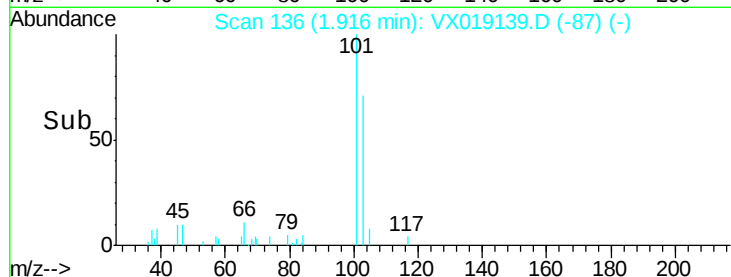
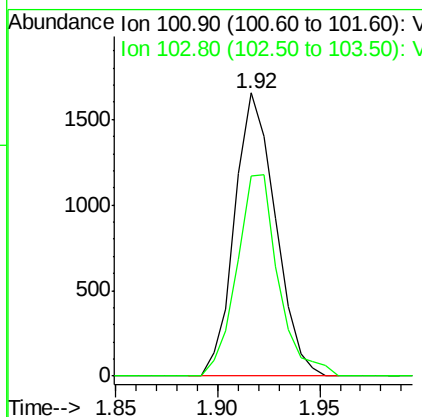
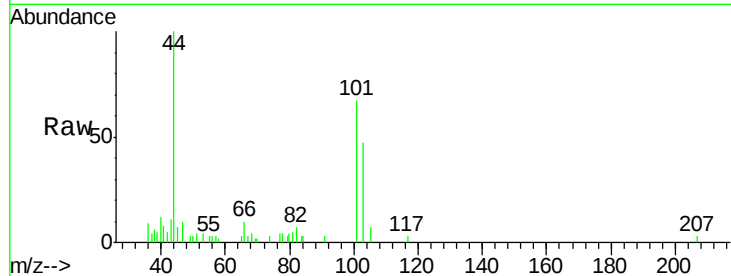
Trichlorofluoromethane
Concen: 0.478 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.00 min
Lab File: VX019139.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	70.6	50.0	75.0

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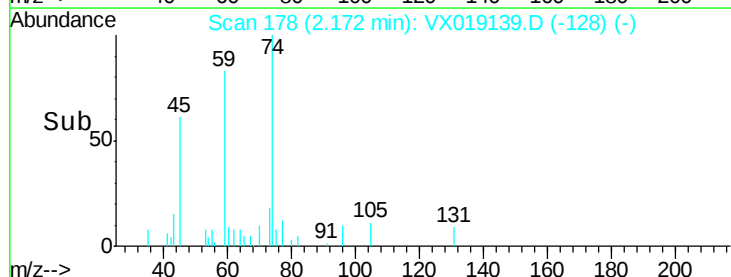
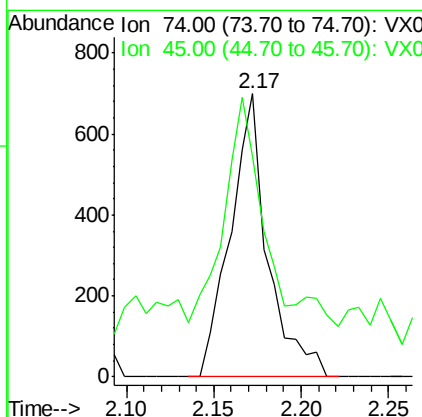
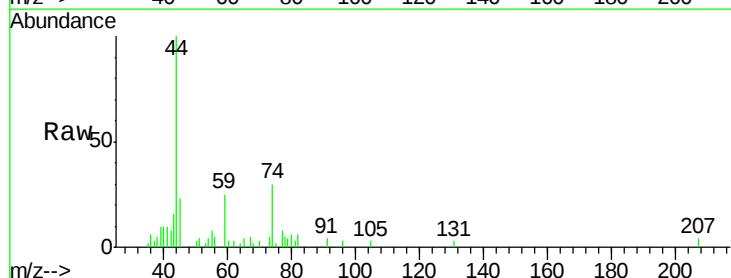
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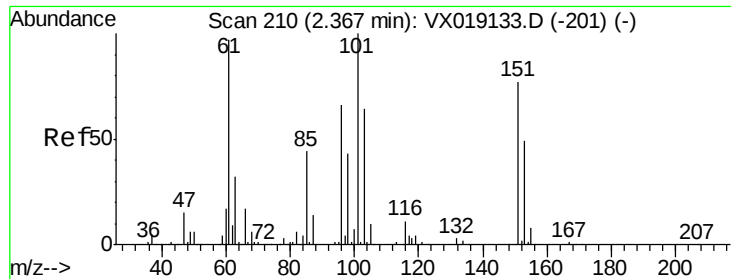


#8

Diethyl Ether
Concen: 0.561 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.01 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	77.5	41.0	123.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.528 ug/l

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

Instrument :

MSVOA_X

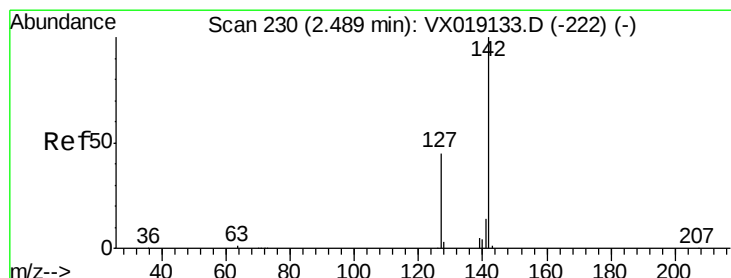
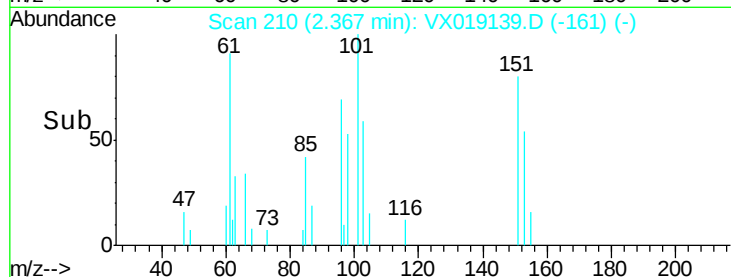
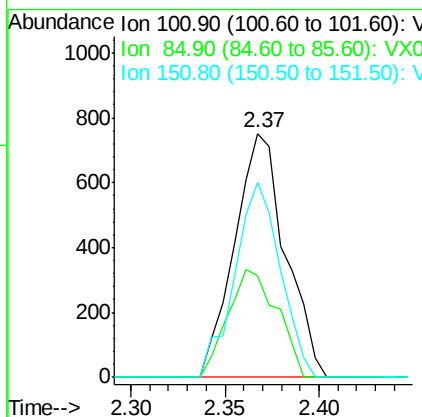
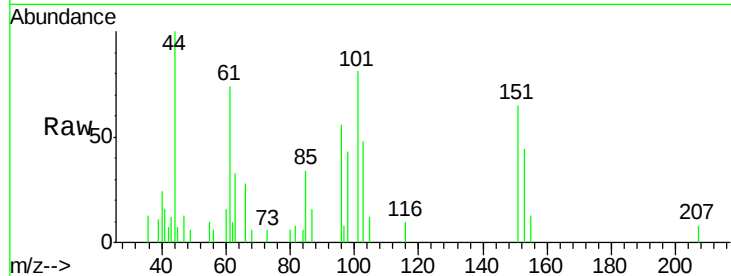
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	101	Resp:	1408
Ion Ratio	Lower	Upper	
101	100		
85	42.6	35.0	52.4
151	71.3	61.4	92.2

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#10

Methyl Iodide

Concen: 0.433 ug/l

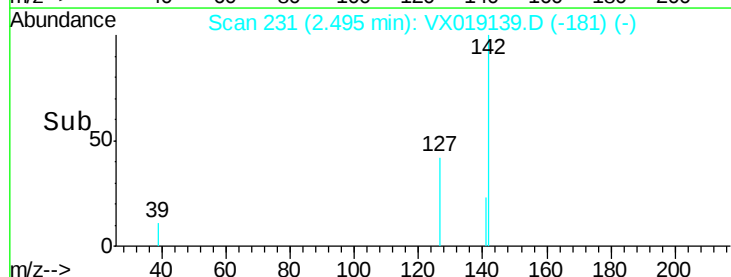
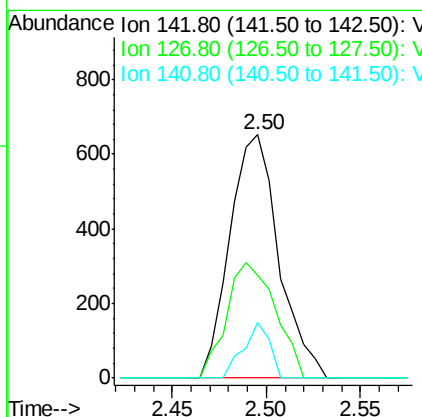
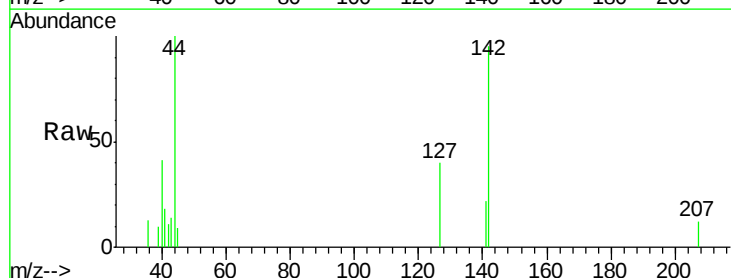
RT: 2.50 min Scan# 231

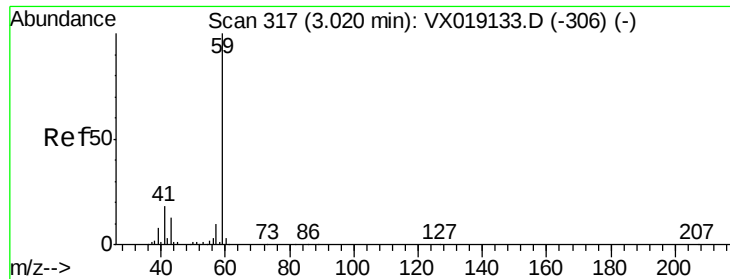
Delta R.T. 0.01 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

Tgt Ion:	142	Resp:	1172
Ion Ratio	Lower	Upper	
142	100		
127	47.2	36.1	54.1
141	12.2	11.3	16.9





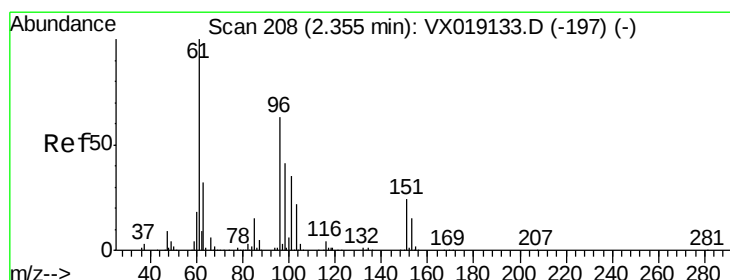
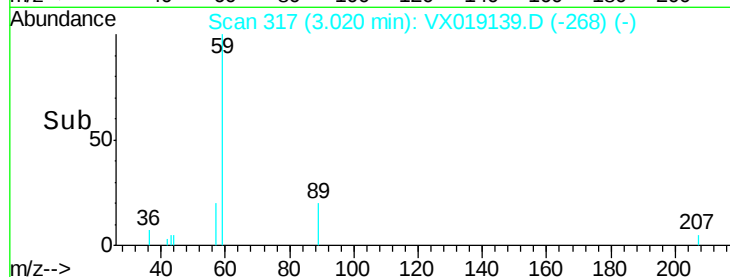
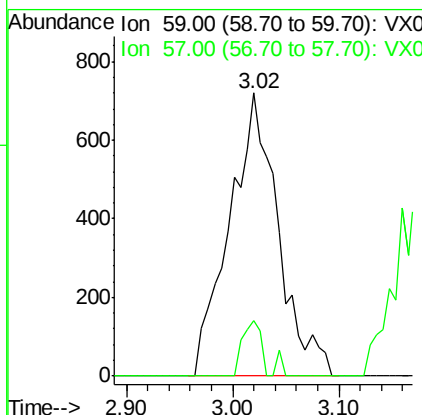
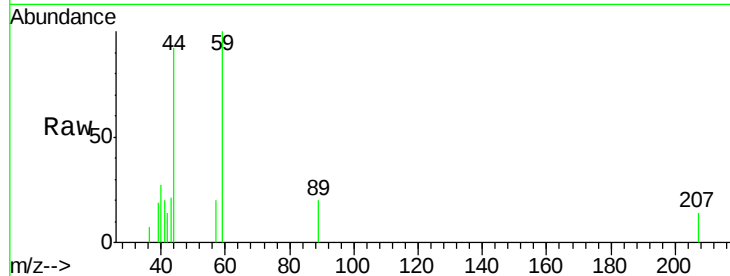
#11
Tert butyl alcohol
Concen: 3.182 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.00 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

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

Tot Ion: 59 Resp: 2297
Ion Ratio Lower Upper
59 100
57 7.4 8.4 12.6#

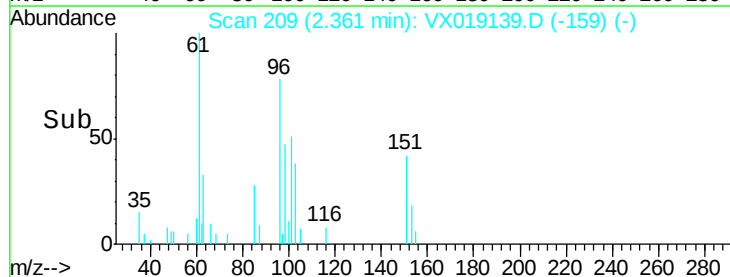
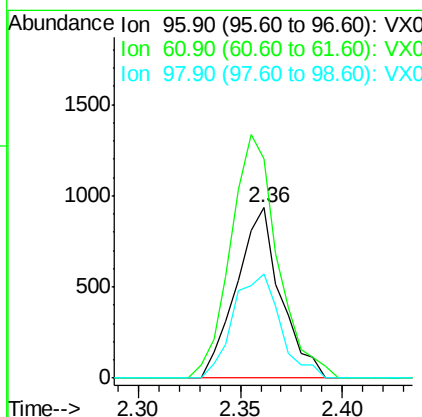
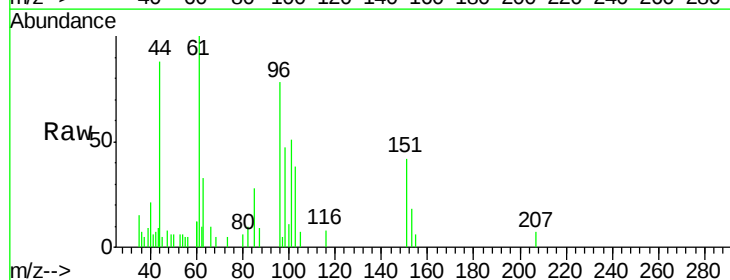
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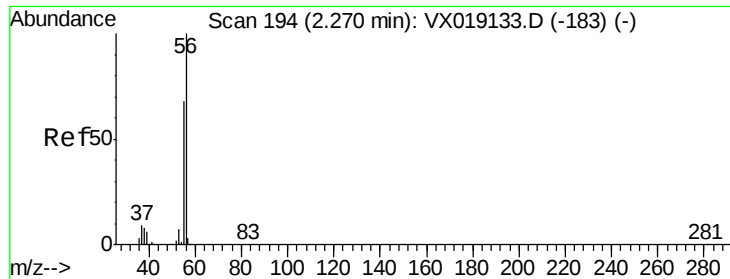
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#12
1,1-Dichloroethene
Concen: 0.513 ug/l
RT: 2.36 min Scan# 209
Delta R.T. 0.01 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

Tgt Ion: 96 Resp: 1408
Ion Ratio Lower Upper
96 100
61 128.3 127.7 191.5
98 60.9 52.1 78.1





#13

Acrolein

Concen: 4.454 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 56 Resp: 1566

Ion Ratio Lower Upper

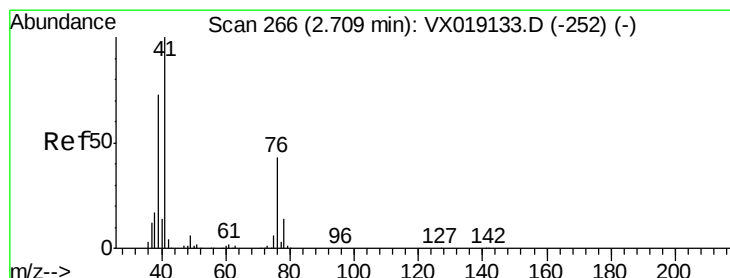
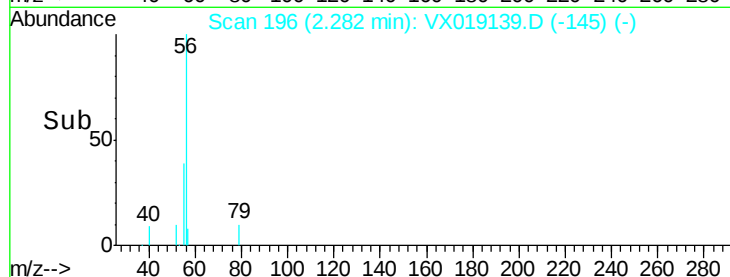
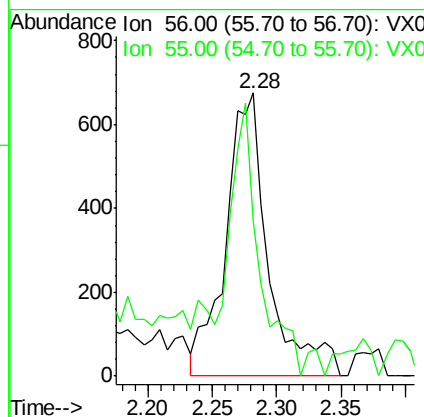
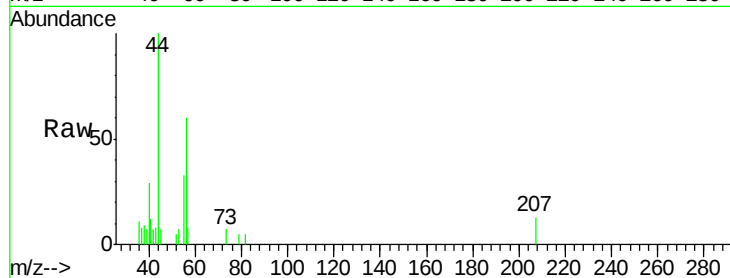
56 100

55 51.5 54.7 82.1#

Manual Integrations
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#14

Allyl chloride

Concen: 0.553 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

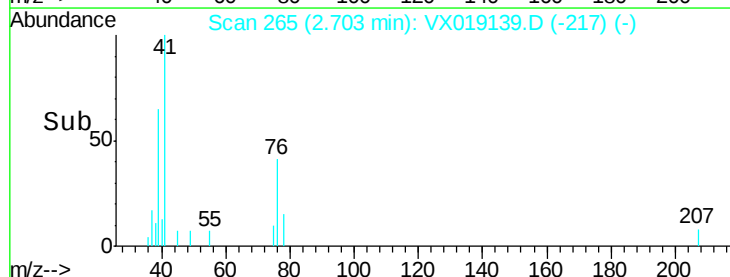
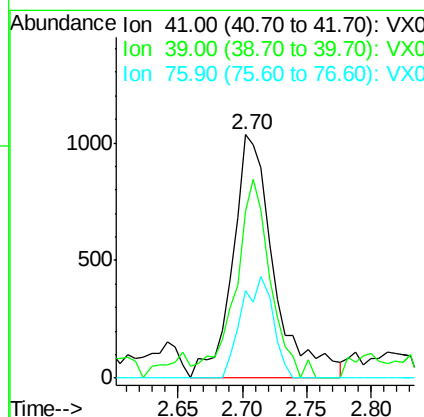
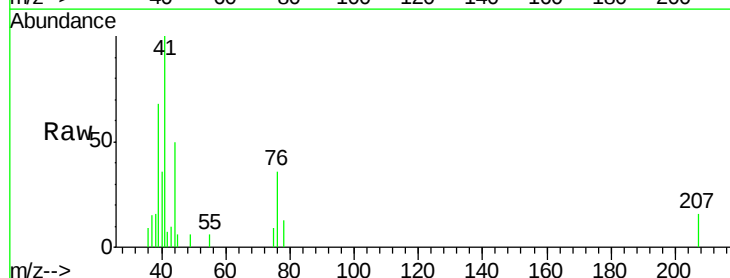
Tgt Ion: 41 Resp: 2300

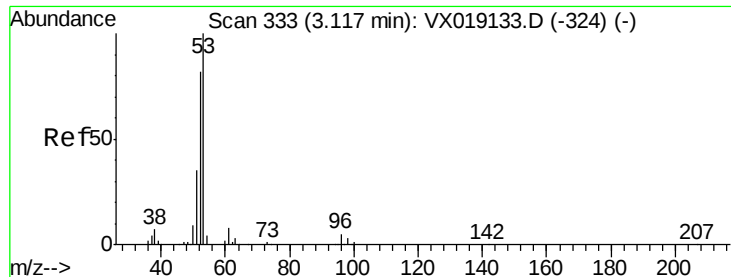
Ion Ratio Lower Upper

41 100

39 68.2 55.2 82.8

76 31.7 31.5 47.3





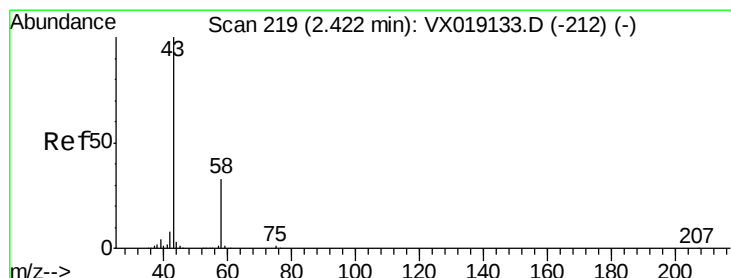
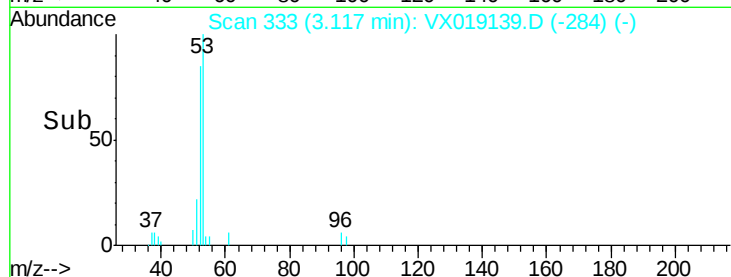
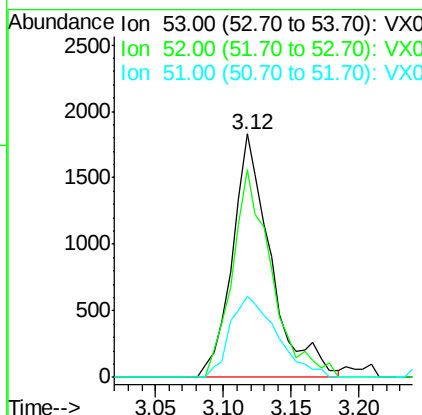
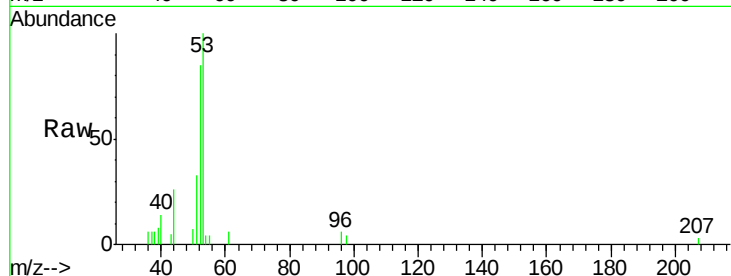
#15
 Acrylonitrile
 Concen: 2.388 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VX019139.D
 Acq: 27 Oct 2020 16:26

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

Tot Ion	Ratio	Lower	Upper
53	100		
52	86.5	65.7	98.5
51	40.3	28.4	42.6

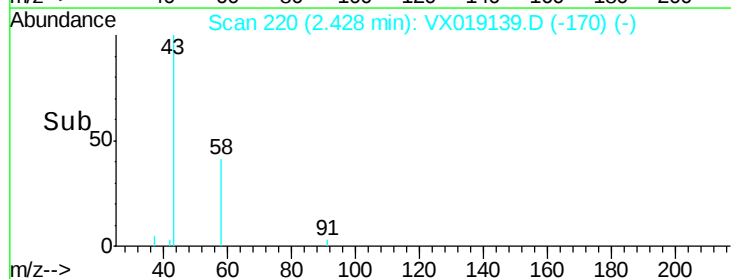
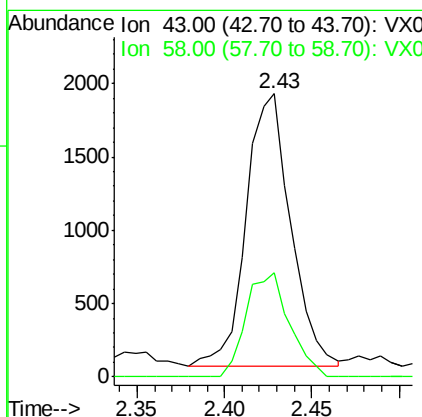
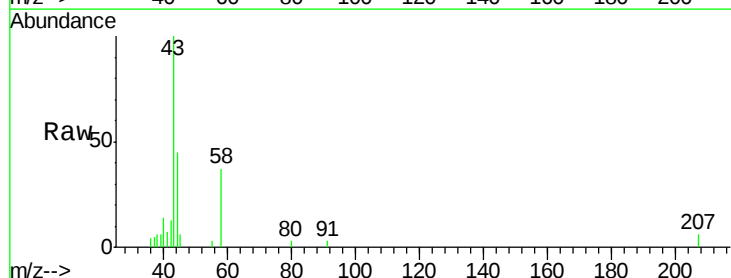
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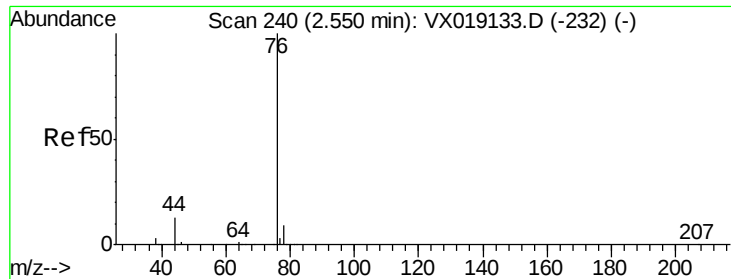
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#16
 Acetone
 Concen: 2.611 ug/l
 RT: 2.43 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX019139.D
 Acq: 27 Oct 2020 16:26

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.1	26.3	39.5





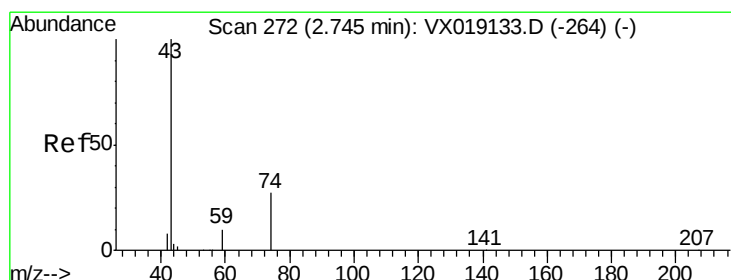
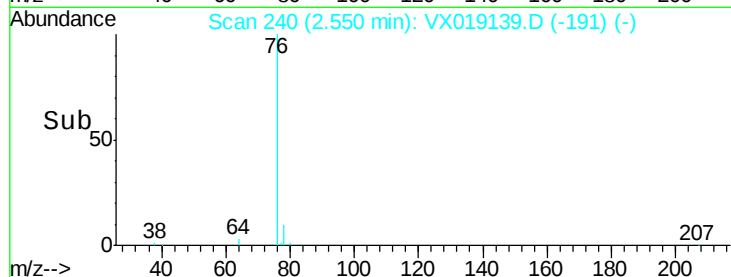
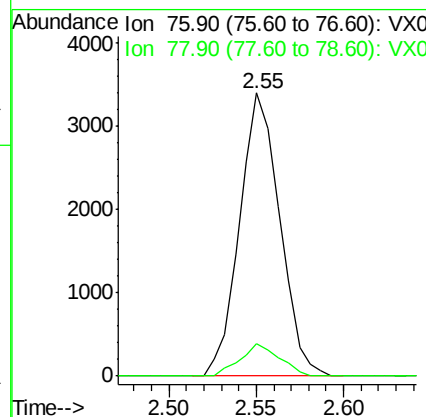
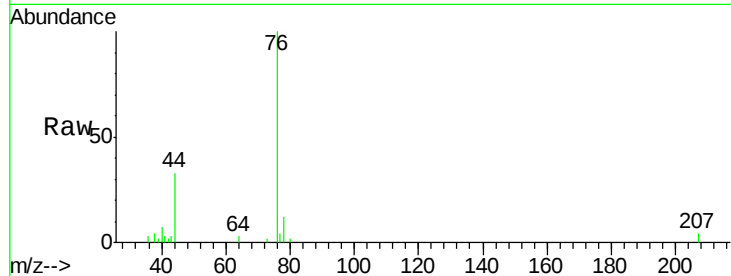
#17
Carbon Disulfide
Concen: 0.650 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.6	7.3	10.9#

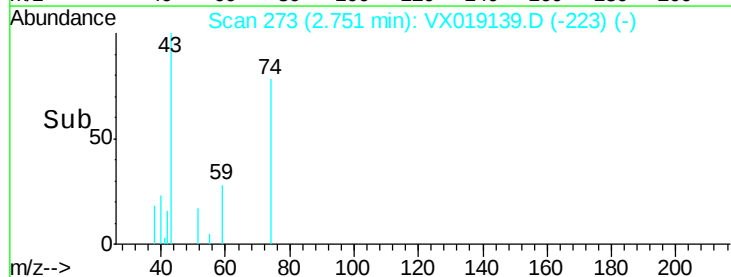
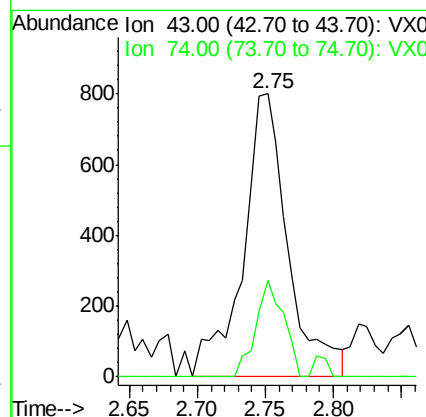
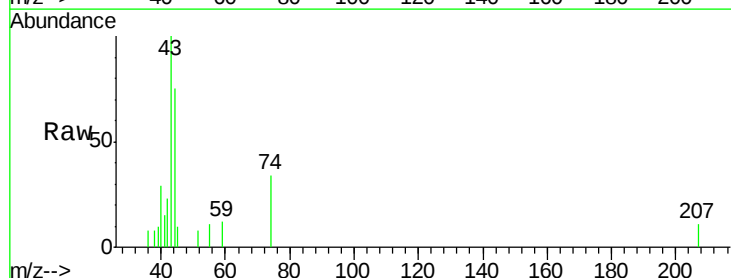
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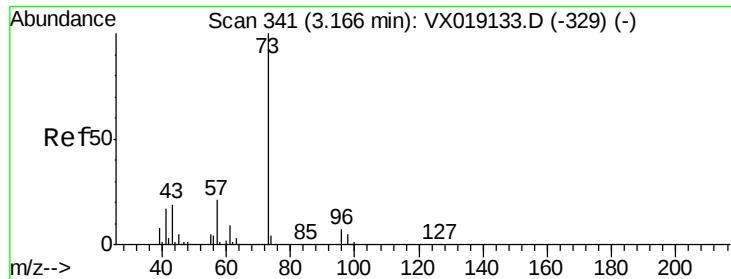
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#18
Methyl Acetate
Concen: 0.605 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	22.6	33.8#





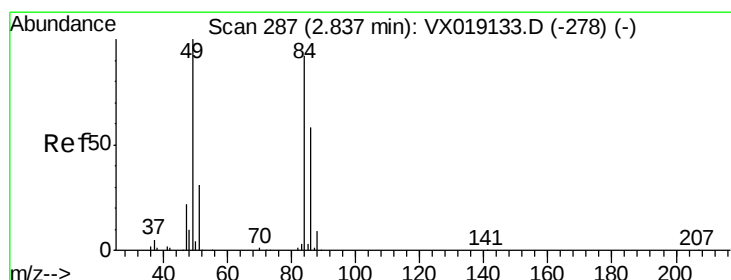
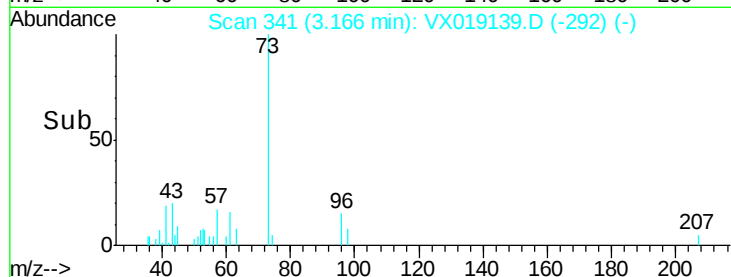
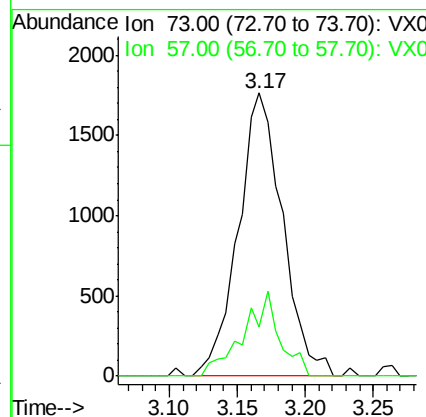
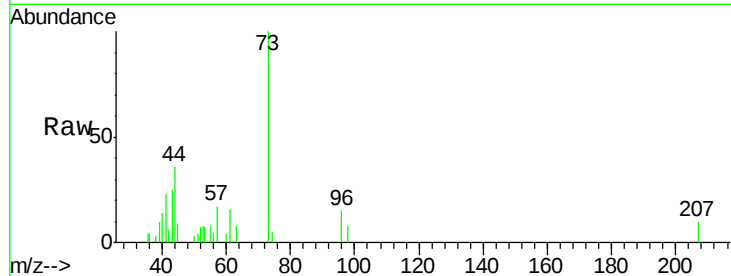
#19
Methvl tert-butvl Ether
Concen: 0.423 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

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

Tot Ion: 73 Resp: 4028
Ion Ratio Lower Upper
73 100
57 17.4 16.6 25.0

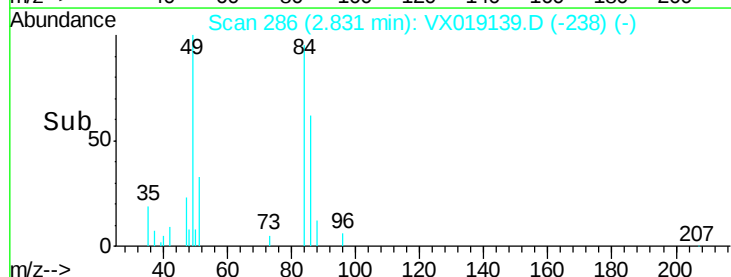
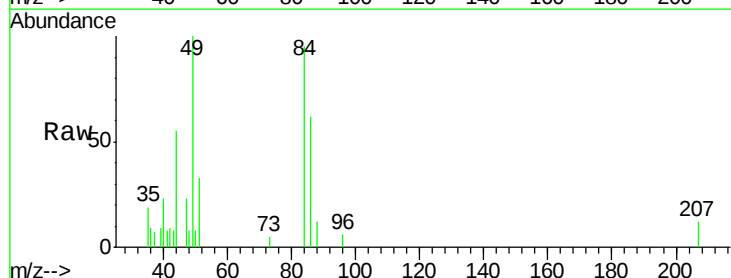
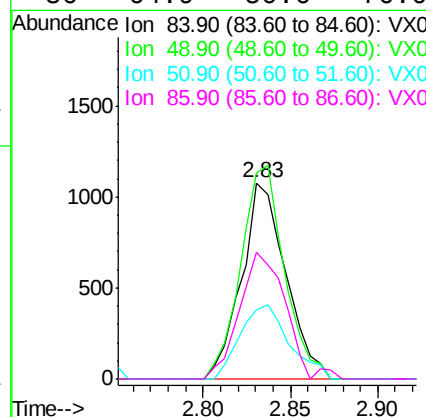
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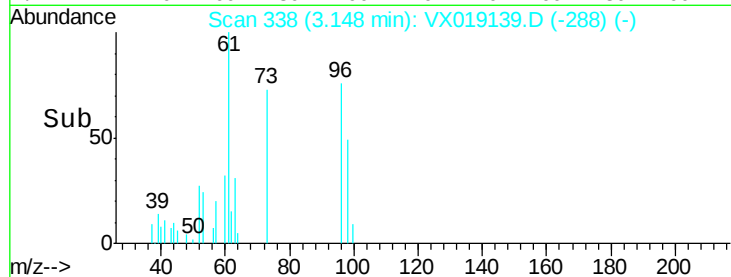
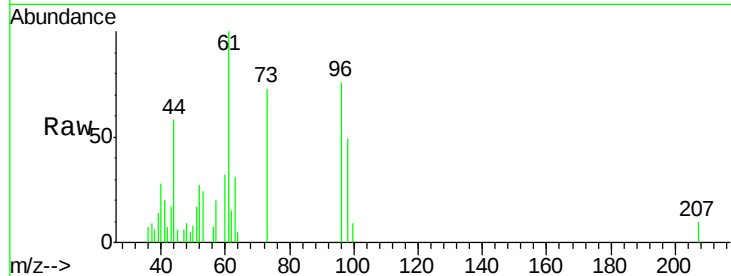
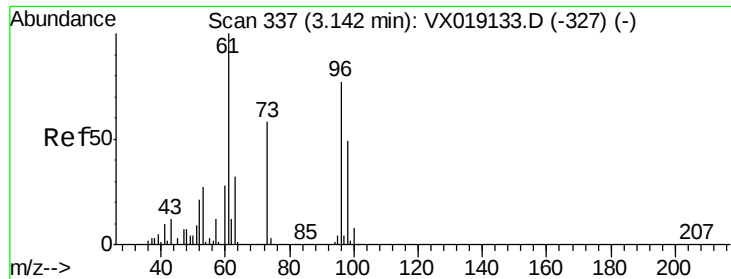
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#20
Methylene Chloride
Concen: 0.599 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

Tgt Ion: 84 Resp: 1895
Ion Ratio Lower Upper
84 100
49 105.4 86.8 130.2
51 35.1 27.3 40.9
86 64.9 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 0.521 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX019139.D

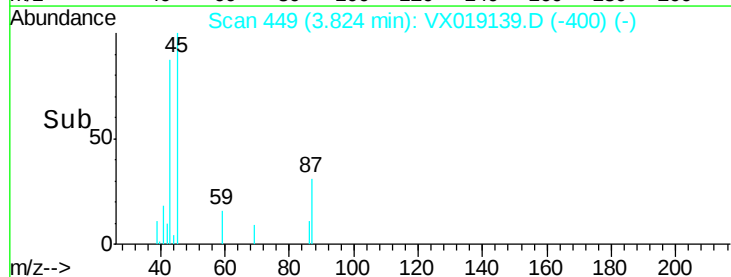
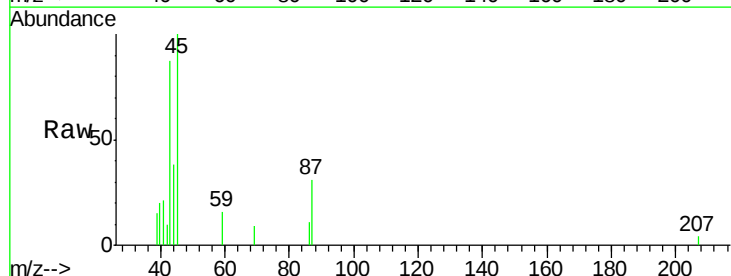
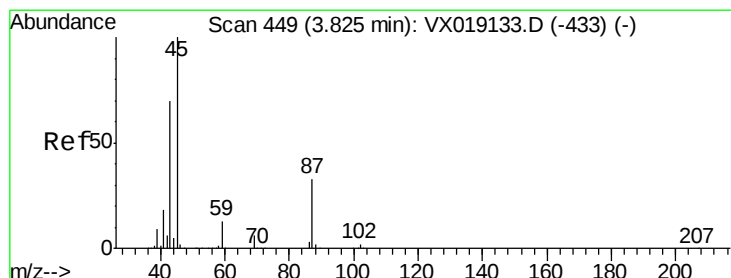
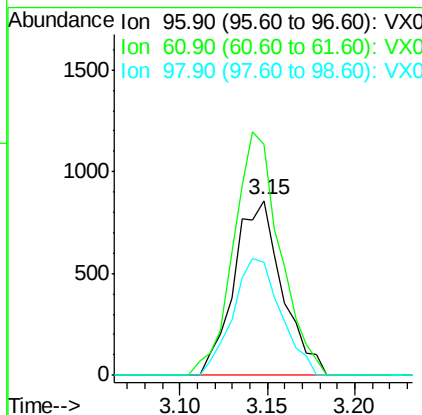
Acq: 27 Oct 2020 16:26

Tot Ion:	96	Resp:	1646
Ion	Ratio	Lower	Upper
96	100		
61	131.7	104.2	156.4
98	64.7	51.3	76.9

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

Manual Integrations
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#22

Diisopropyl ether

Concen: 0.464 ug/l

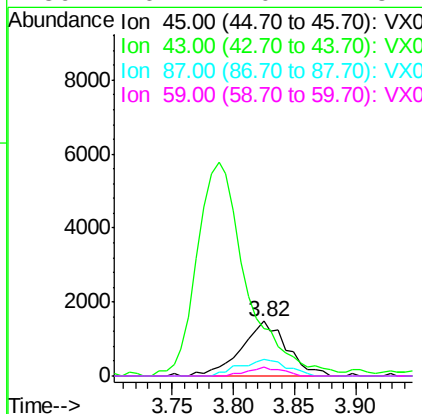
RT: 3.82 min Scan# 449

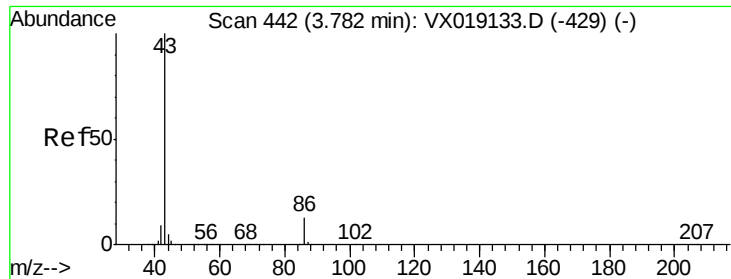
Delta R.T. -0.00 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

Tgt Ion:	45	Resp:	3848
Ion	Ratio	Lower	Upper
45	100		
43	79.5	56.2	84.4
87	30.6	26.2	39.2
59	16.4	10.1	15.1#





#23

Vinyl Acetate

Concen: 2.208 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.01 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 16327

Ion Ratio Lower Upper

43 100

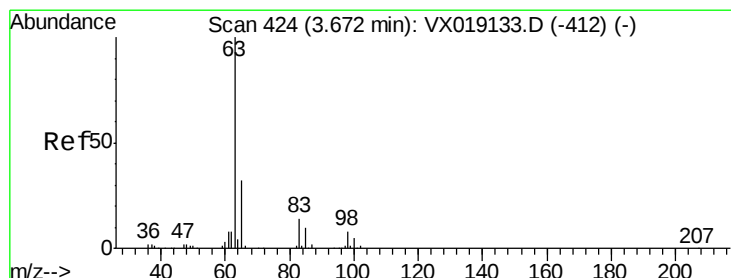
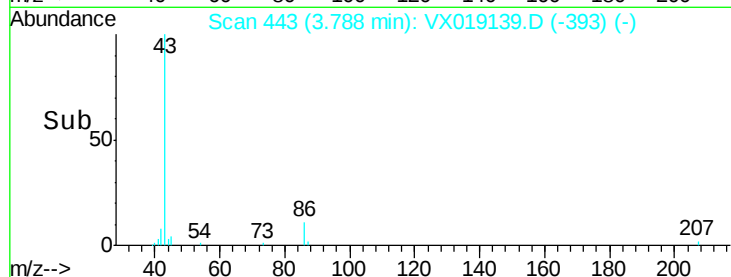
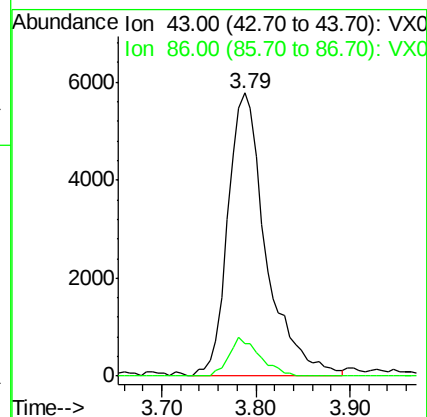
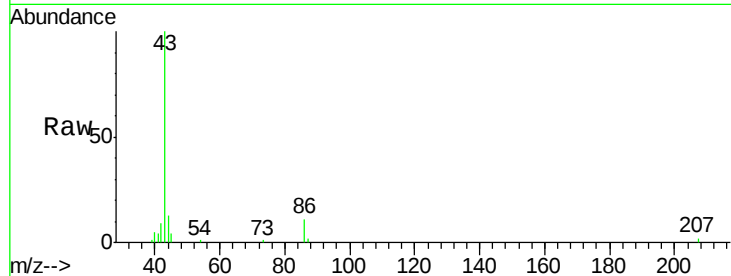
86 11.3 10.4 15.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 0.454 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

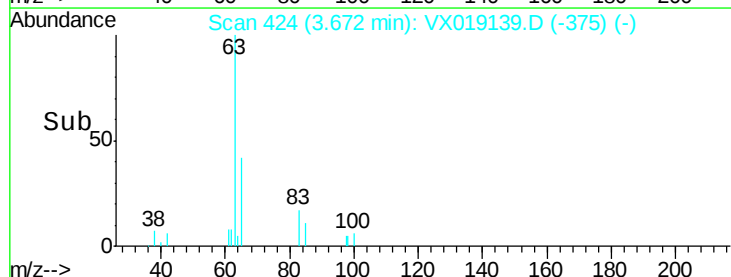
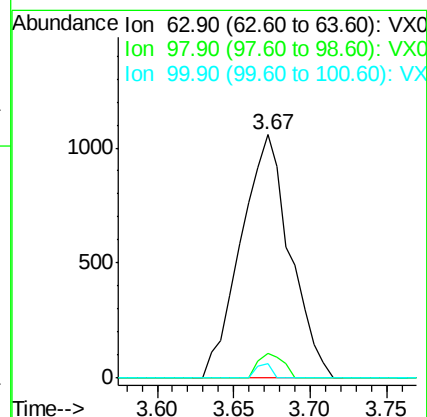
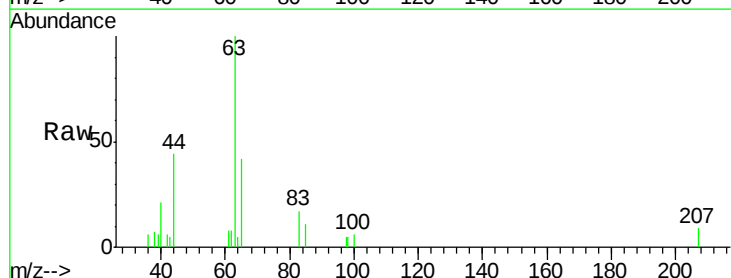
Tgt Ion: 63 Resp: 2353

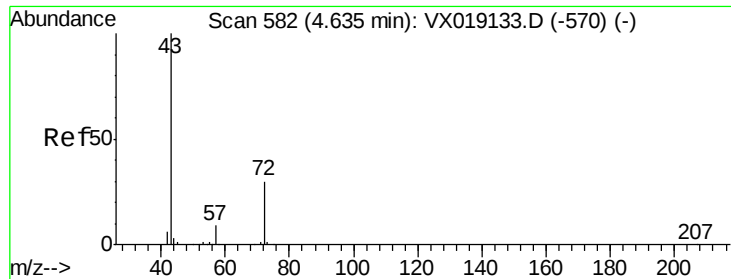
Ion Ratio Lower Upper

63 100

98 10.3 3.8 11.4

100 5.8 2.4 7.2





#25

2-Butanone

Concen: 2.641 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 5248

Ion Ratio Lower Upper

43 100

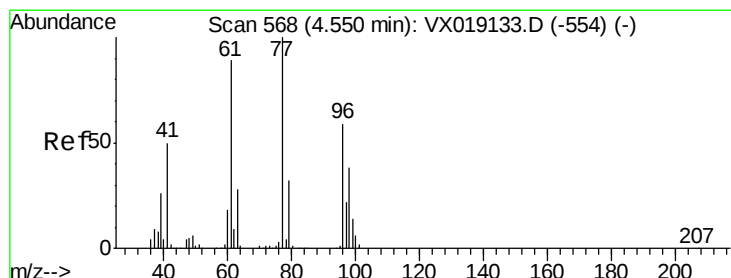
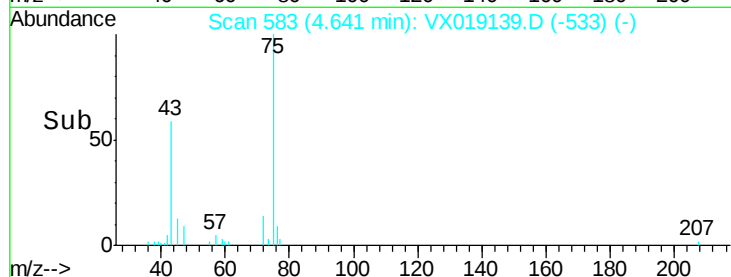
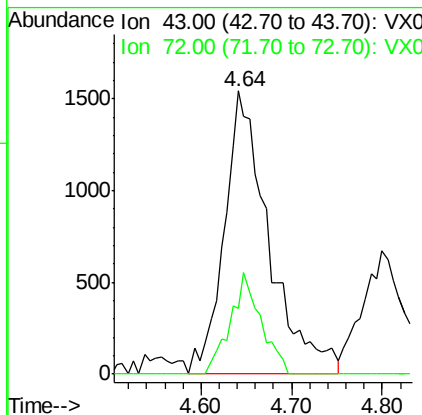
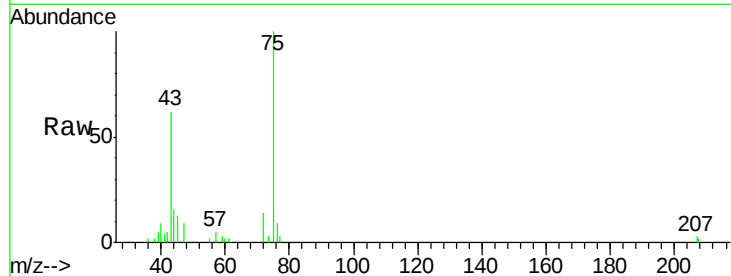
72 23.2 24.6 36.8#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 0.443 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX019139.D

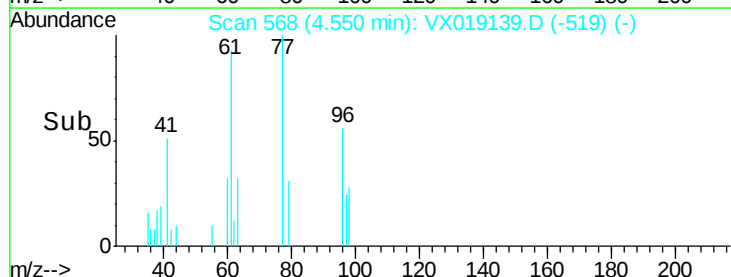
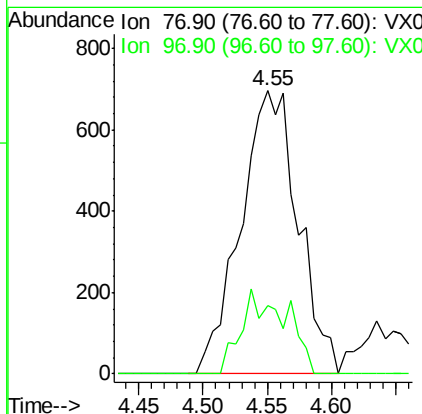
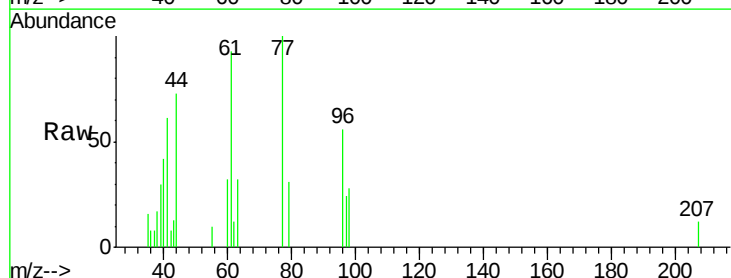
Acq: 27 Oct 2020 16:26

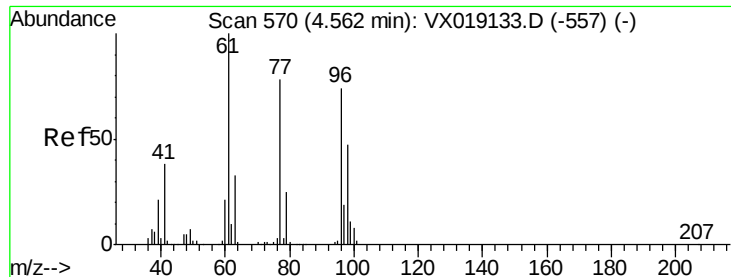
Tgt Ion: 77 Resp: 2156

Ion Ratio Lower Upper

77 100

97 23.4 11.4 34.1





#27

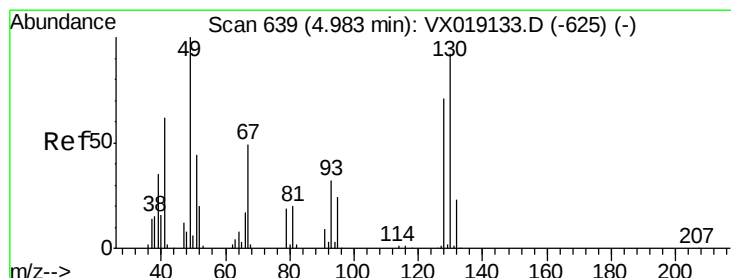
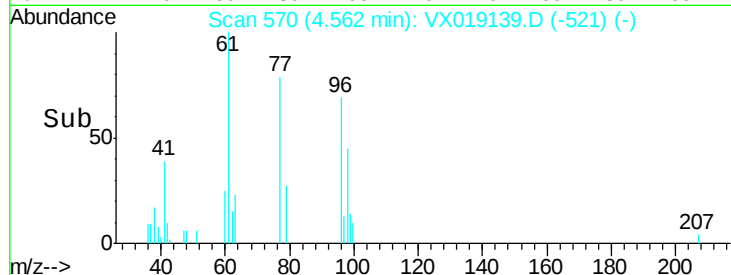
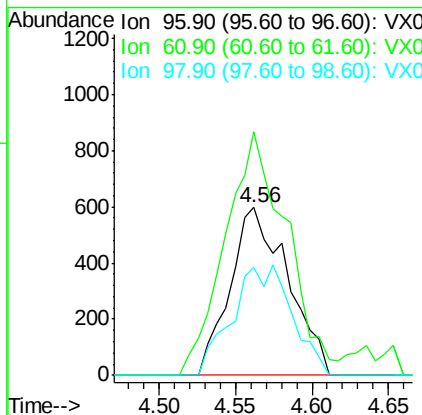
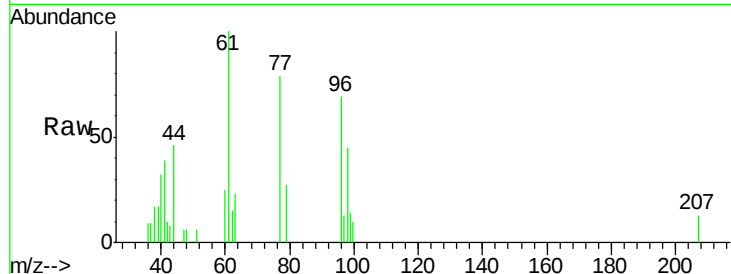
cis-1,2-Dichloroethene
Concen: 0.444 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

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

Tot Ion	Ratio	Resp	Lower	Upper
96	100	1570		
61	154.2	0.0	278.8	
98	67.8	0.0	130.2	

Manual Integrations
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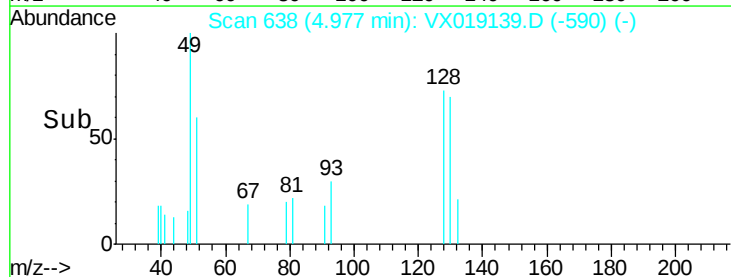
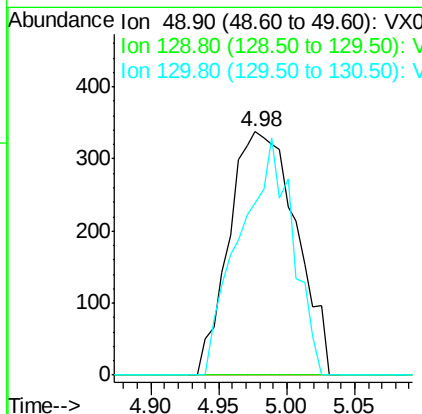
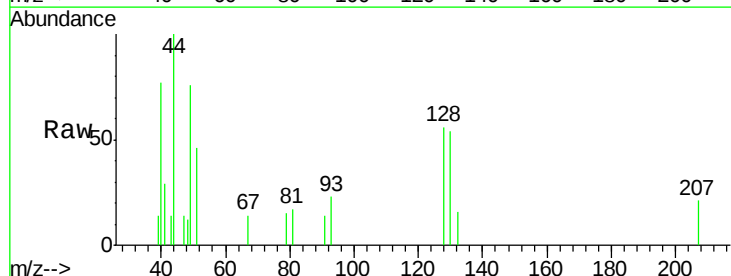
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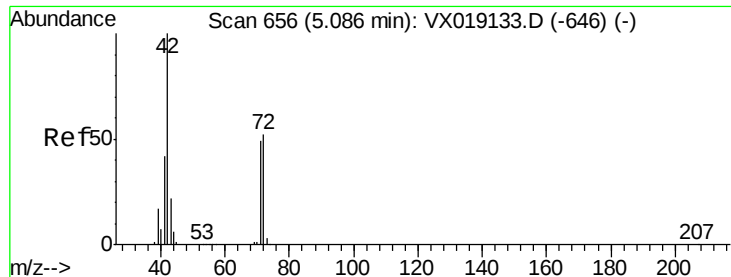


#28

Bromochloromethane
Concen: 0.492 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	1157		
129	0.0	0.0	4.4	
130	77.2	71.3	106.9	





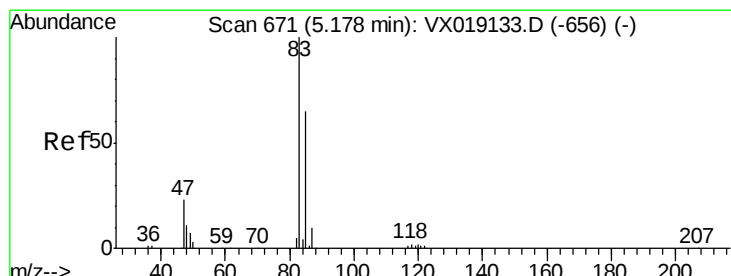
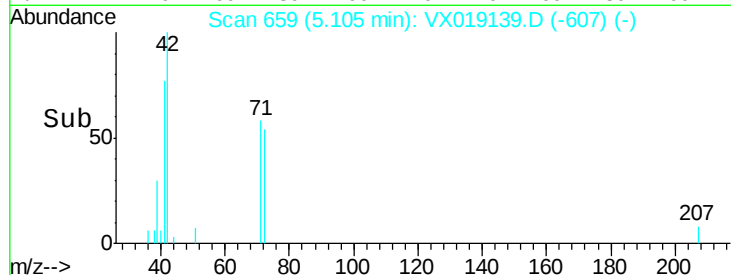
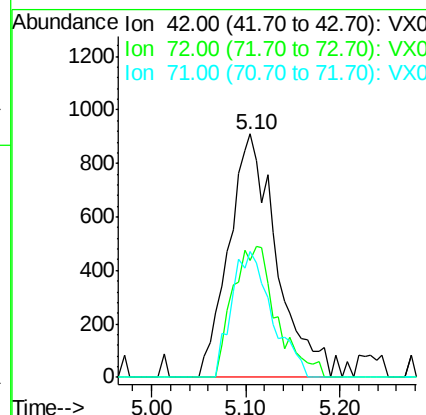
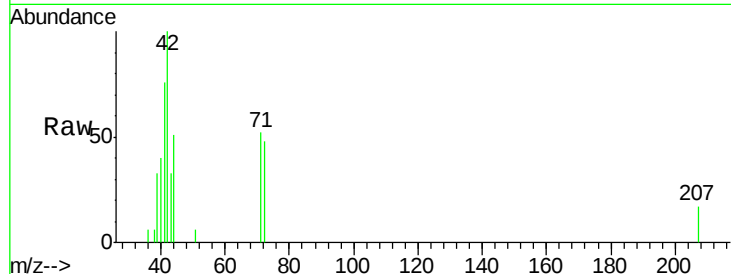
#29
Tetrahydrofuran
Concen: 2.587 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

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

Tot Ion:	42	Resp:	3239
Ion	Ratio	Lower	Upper
42	100		
72	49.2	42.6	63.8
71	43.2	39.7	59.5

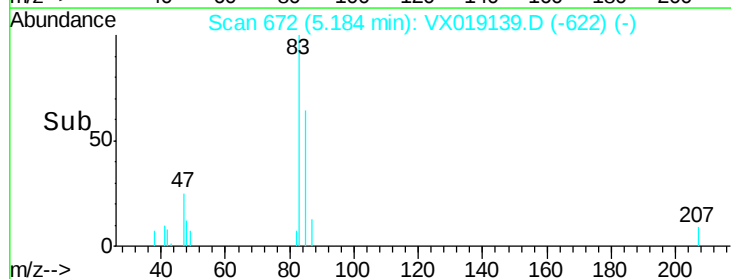
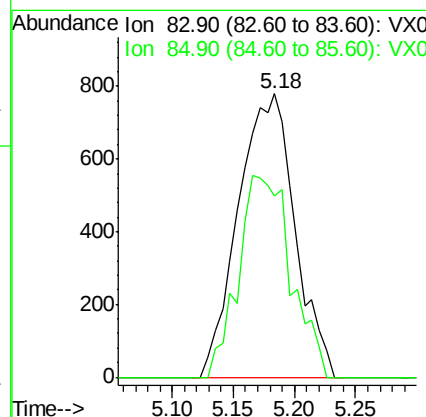
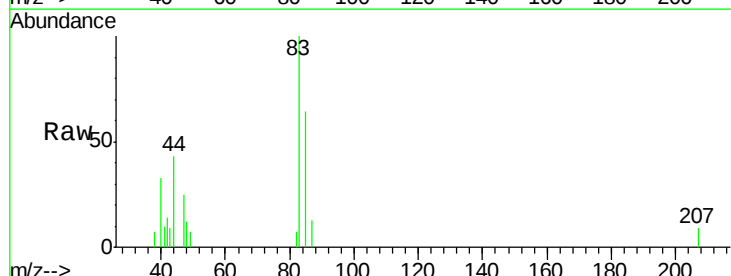
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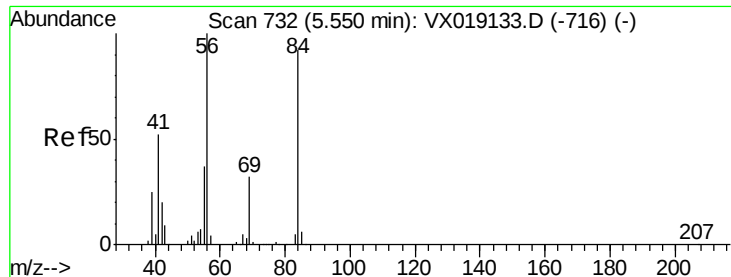
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#30
Chloroform
Concen: 0.454 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.01 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

Tgt Ion:	83	Resp:	2503
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.9	77.9





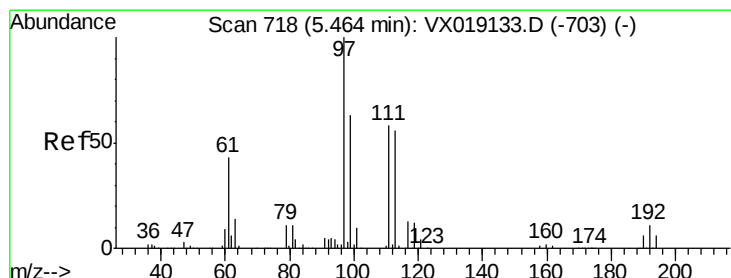
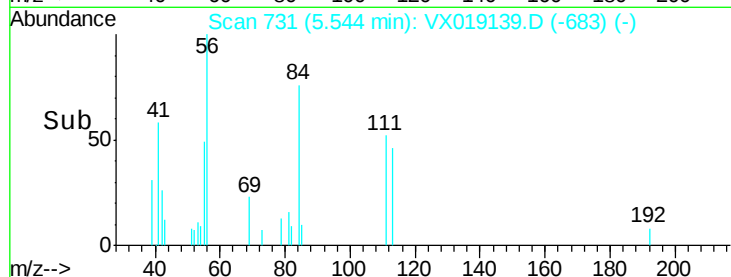
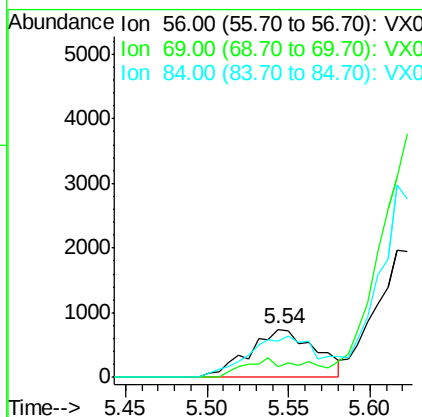
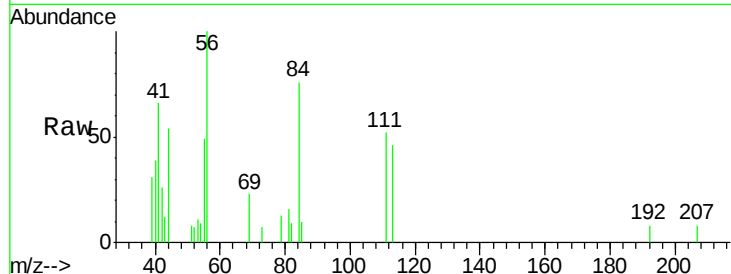
#31
Cvclohexane
Concen: 0.456 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

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

Tot Ion: 56 Resp: 2108
Ion Ratio Lower Upper
56 100
69 23.2 25.9 38.9#
84 75.6 73.4 110.2

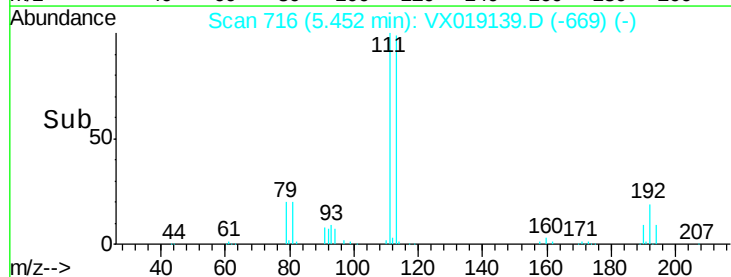
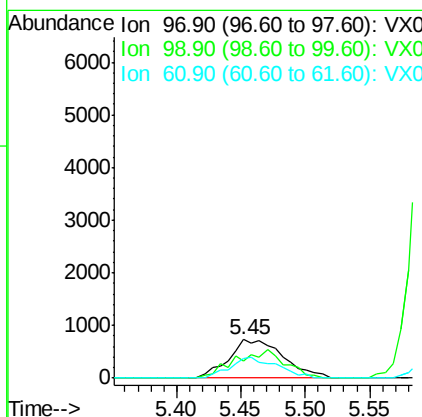
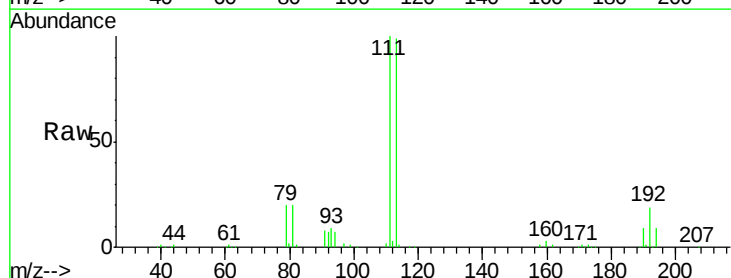
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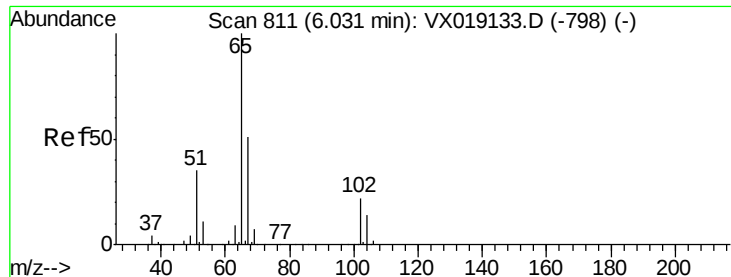
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#32
1,1,1-Trichloroethane
Concen: 0.428 ug/l
RT: 5.45 min Scan# 716
Delta R.T. -0.01 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

Tgt Ion: 97 Resp: 2138
Ion Ratio Lower Upper
97 100
99 0.0 51.7 77.5#
61 47.1 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 48.711 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 65 Resp: 178010

Ion Ratio Lower Upper

65 100

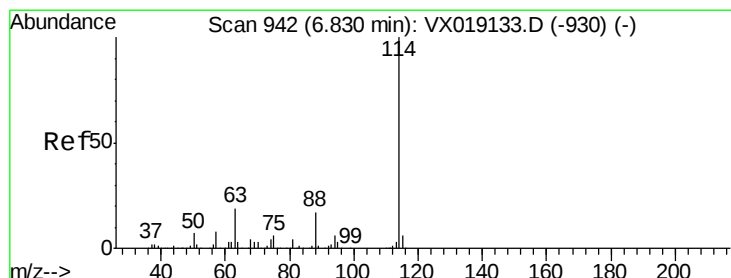
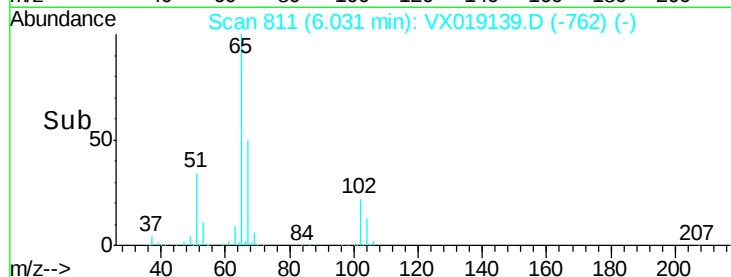
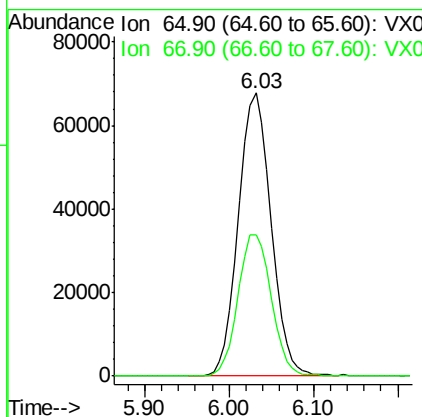
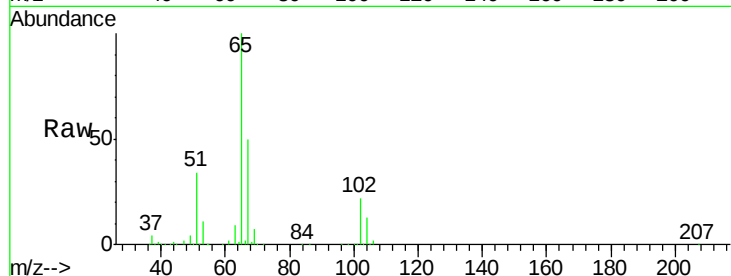
67 51.1 0.0 103.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

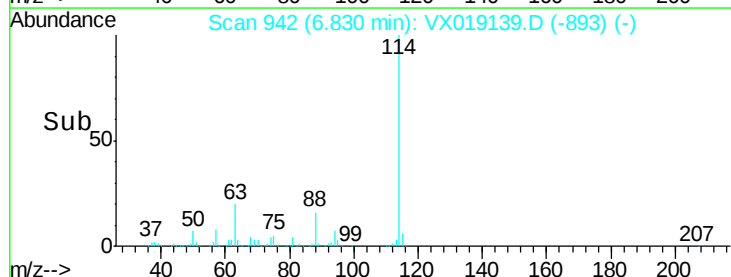
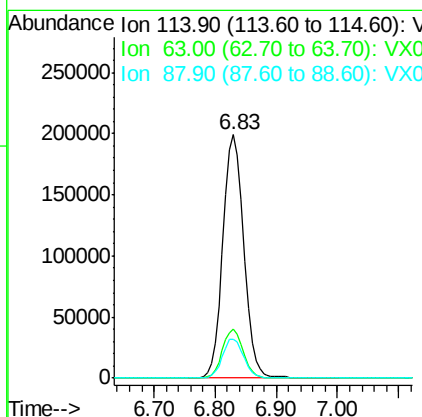
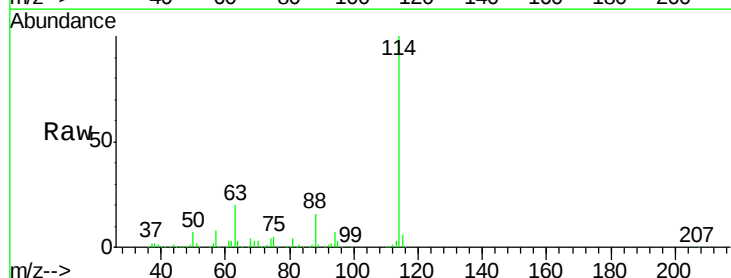
Tgt Ion: 114 Resp: 472630

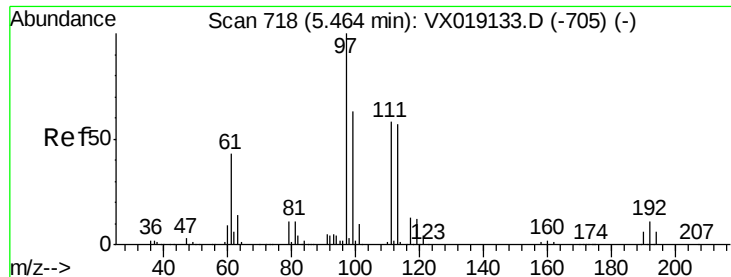
Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.8

88 16.1 0.0 34.2





#35

Dibromofluoromethane

Concen: 47.254 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

Instrument :

MSVOA_X

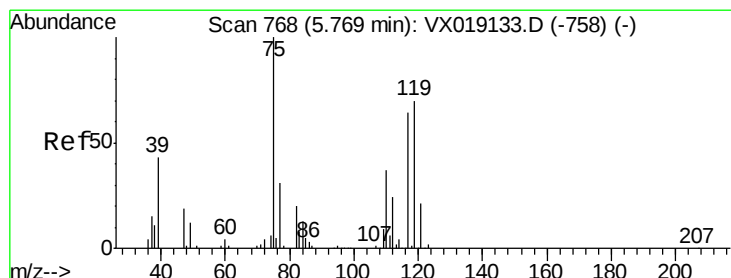
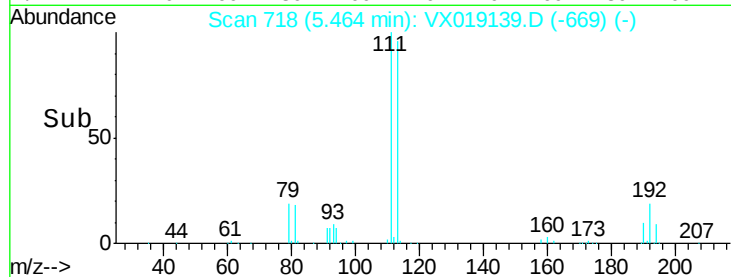
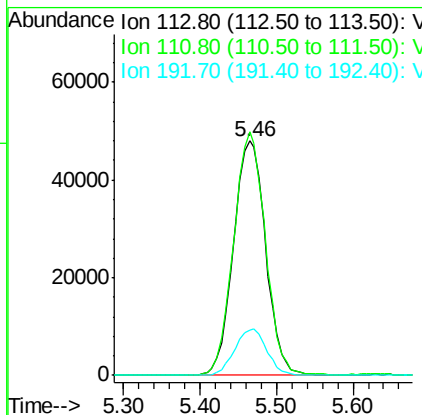
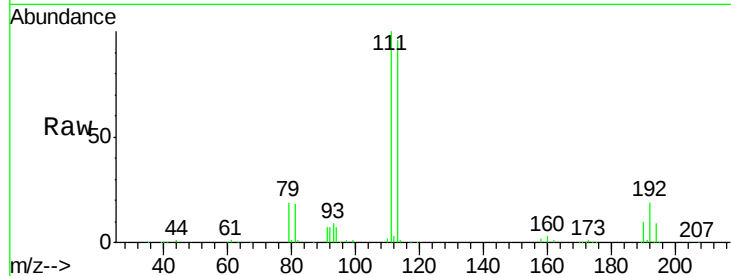
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	113	Resp:	140287
Ion Ratio	Lower	Upper	
113	100		
111	102.3	82.3	123.5
192	19.5	16.2	24.2

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#36

1,1-Dichloropropene

Concen: 0.517 ug/l

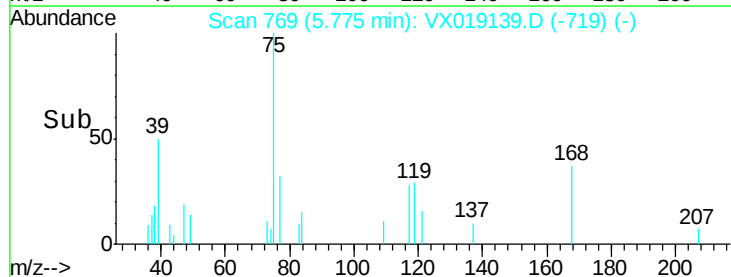
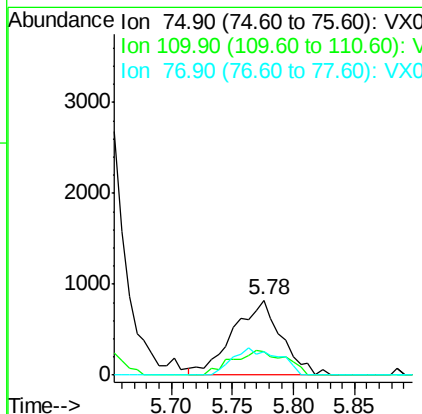
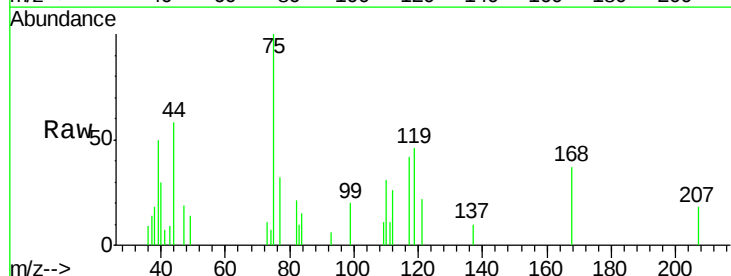
RT: 5.78 min Scan# 769

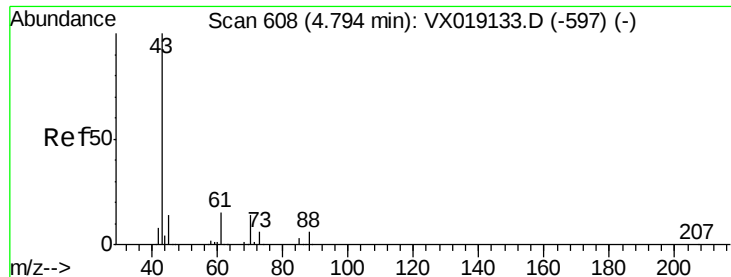
Delta R.T. 0.01 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

Tgt Ion:	75	Resp:	2256
Ion Ratio	Lower	Upper	
75	100		
110	36.1	18.3	54.9
77	34.3	24.9	37.3





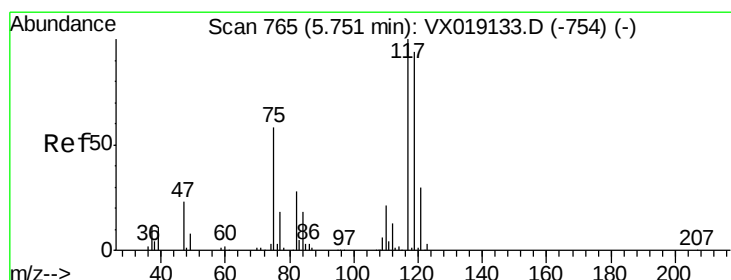
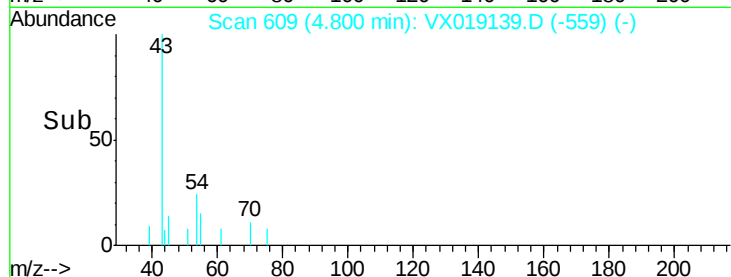
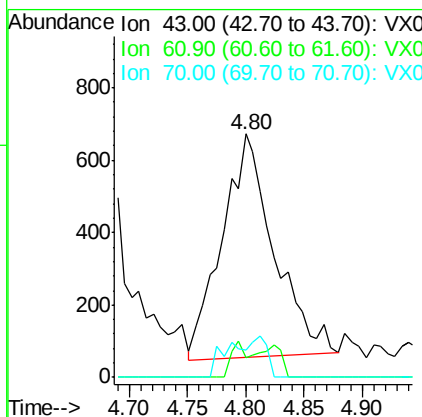
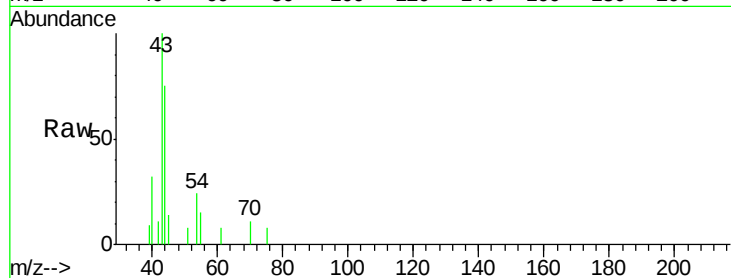
#37
Ethyl Acetate
Concen: 0.474 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	5.5	12.5	18.7#
70	0.0	10.5	15.7#

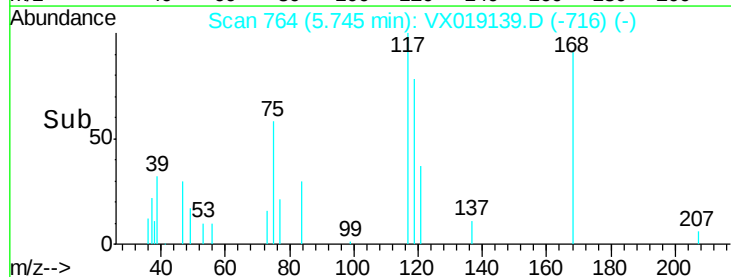
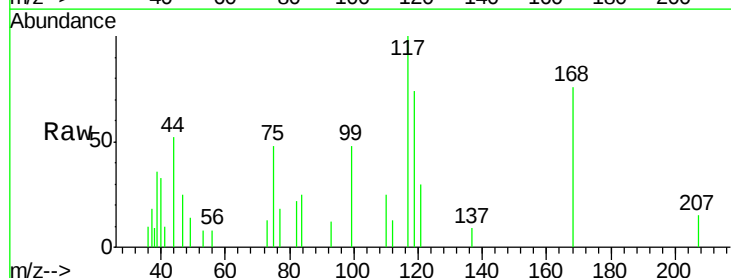
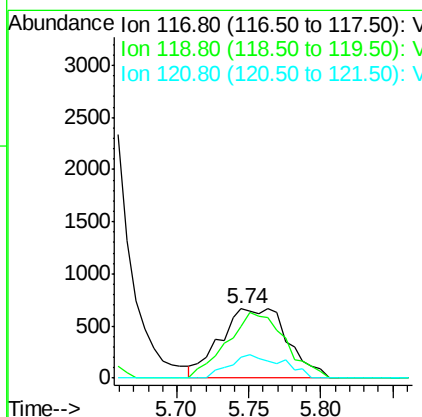
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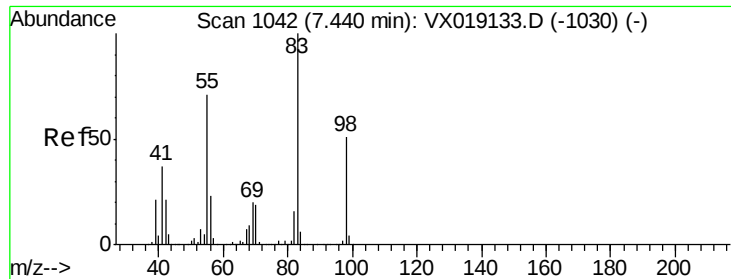
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#38
Carbon Tetrachloride
Concen: 0.484 ug/l
RT: 5.74 min Scan# 764
Delta R.T. -0.01 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	74.2	75.0	112.6#
121	30.4	23.9	35.9





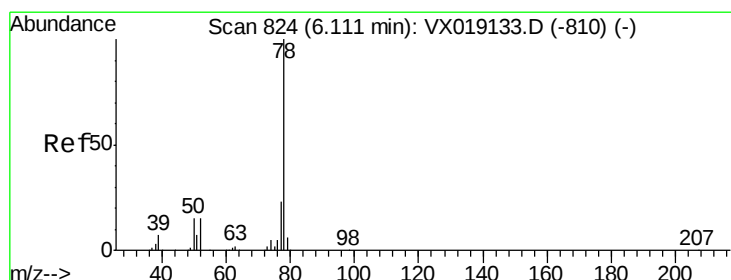
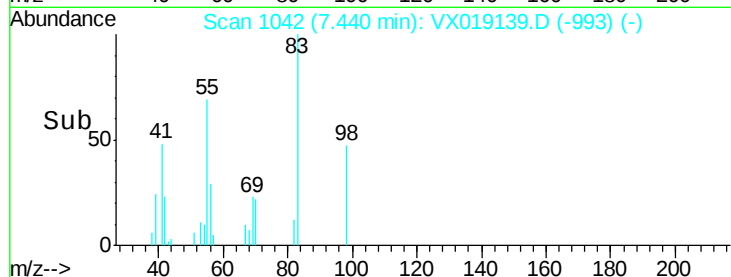
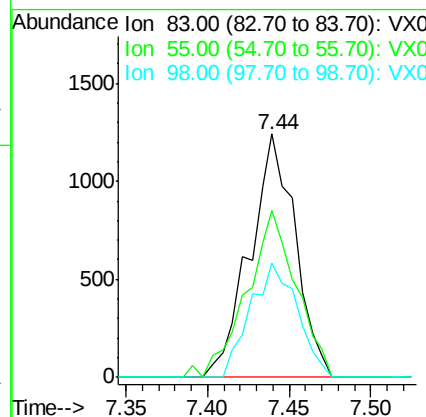
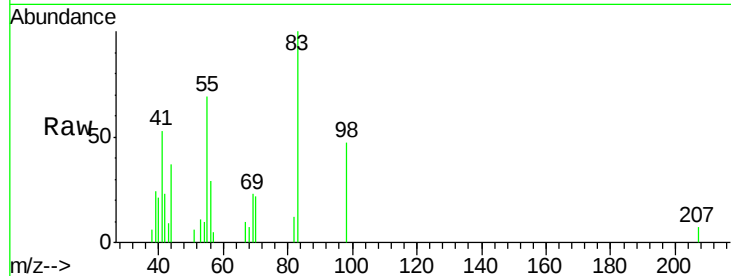
#39
Methvlcvclohexane
Concen: 0.460 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.7	57.0	85.6
98	47.2	40.5	60.7

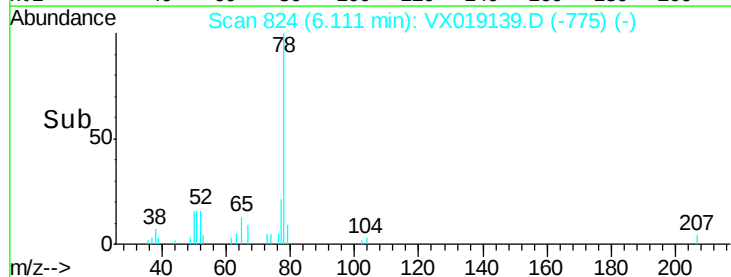
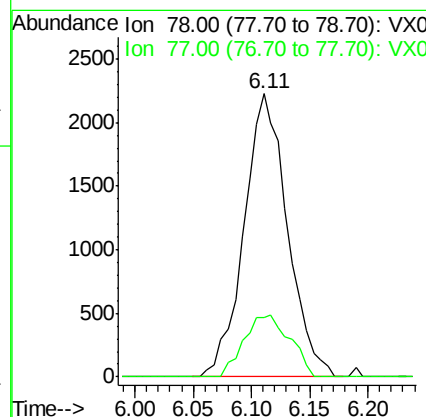
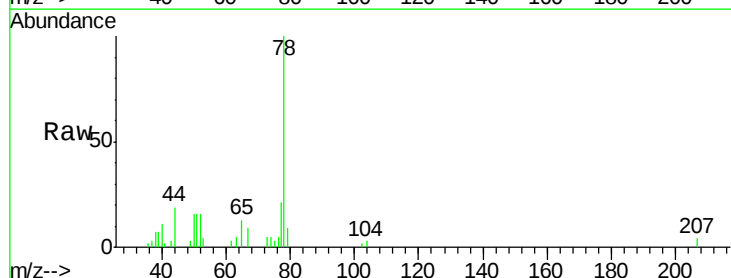
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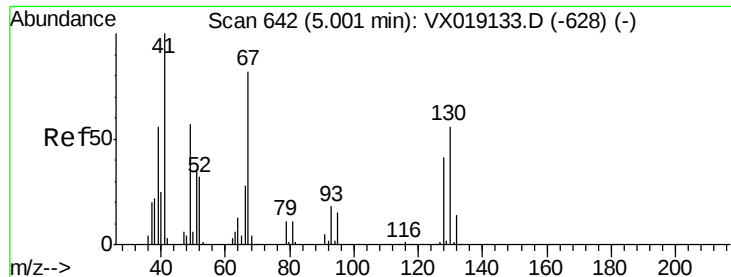
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#40
Benzene
Concen: 0.466 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.00 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.1	18.7	28.1





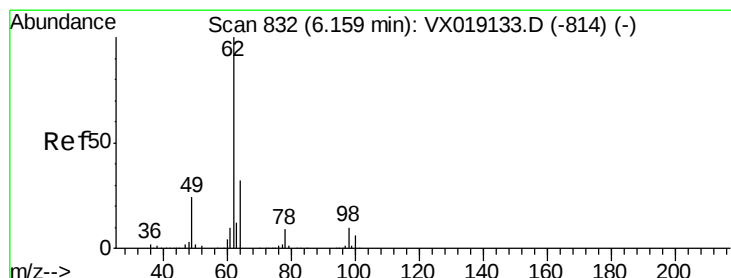
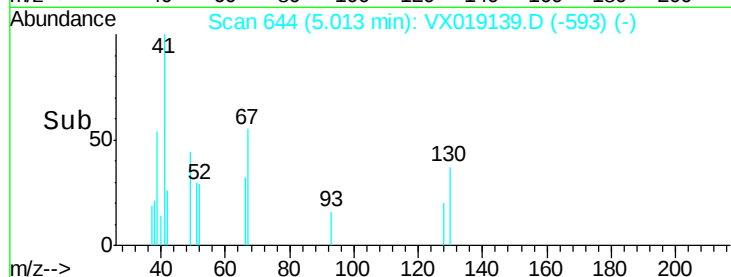
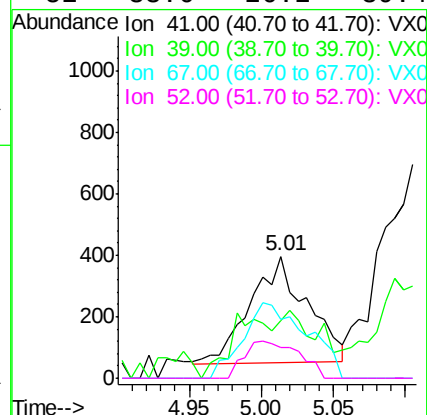
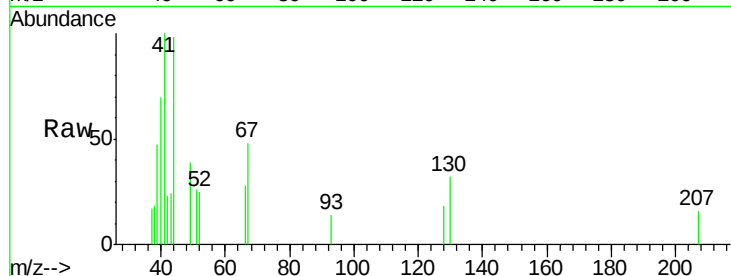
#41
Methacrylonitrile
Concen: 0.435 ug/l
RT: 5.01 min Scan# 644
Delta R.T. 0.01 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

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

Tot Ion	Ratio	Lower	Upper
41	100		
39	36.6	44.4	66.6#
67	80.0	66.4	99.6
52	33.6	26.2	39.4

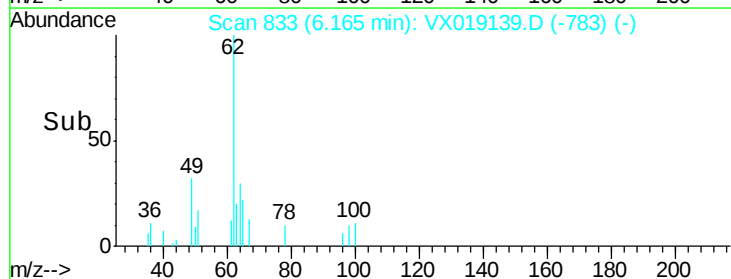
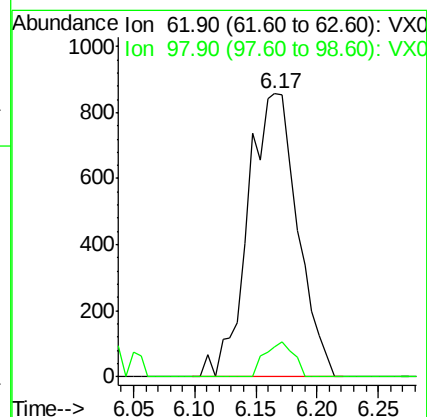
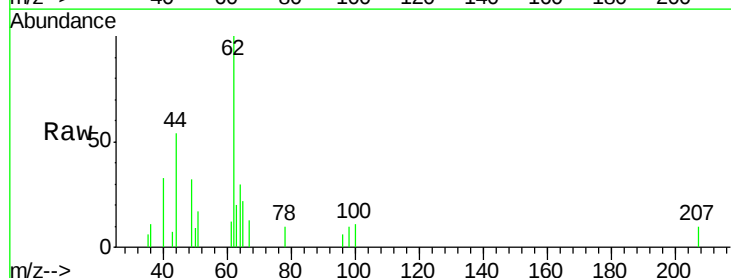
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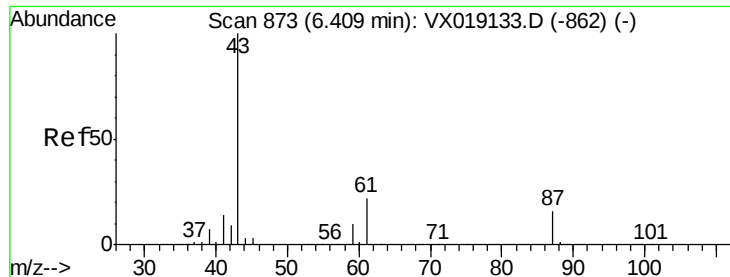
MMDadoda
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#42
1,2-Dichloroethane
Concen: 0.532 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.01 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	19.0





#43

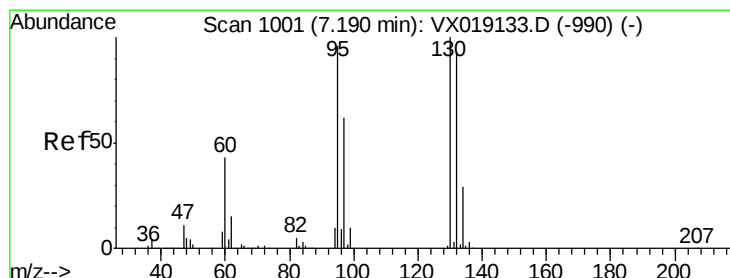
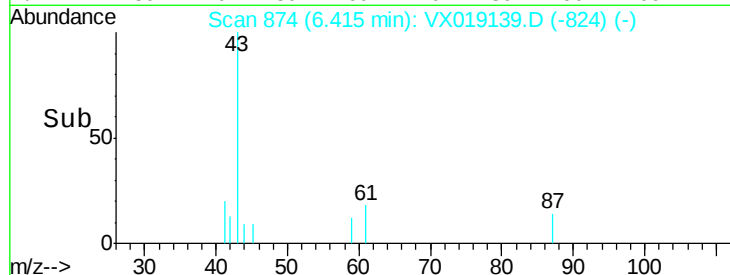
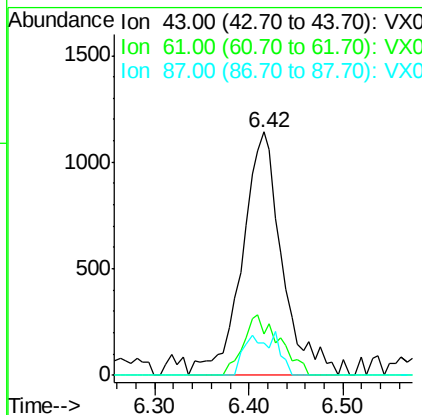
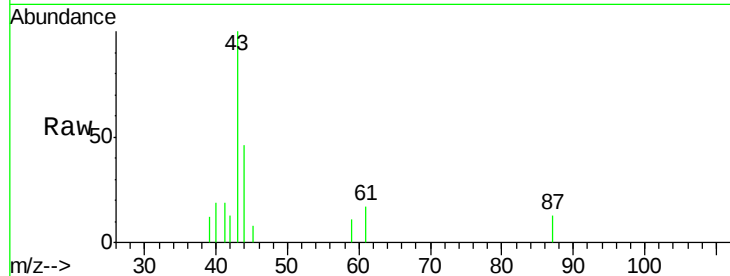
Isopropyl Acetate
 Concen: 0.496 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.01 min
 Lab File: VX019139.D
 Acq: 27 Oct 2020 16:26

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.5	17.8	26.6
87	13.6	12.6	19.0

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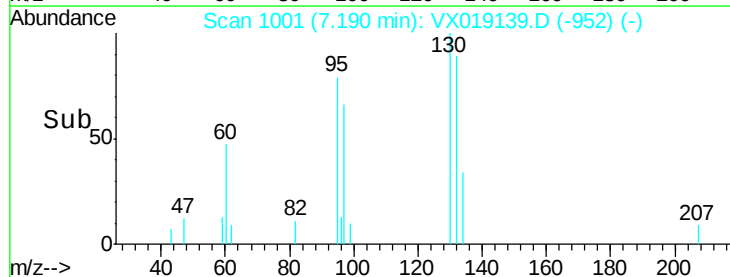
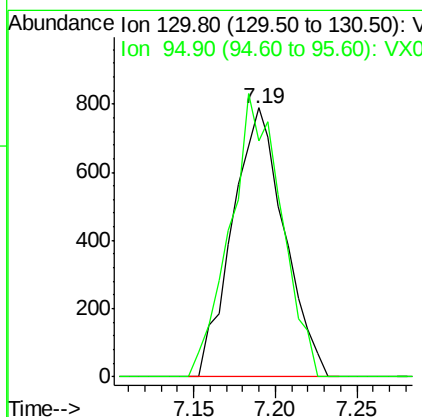
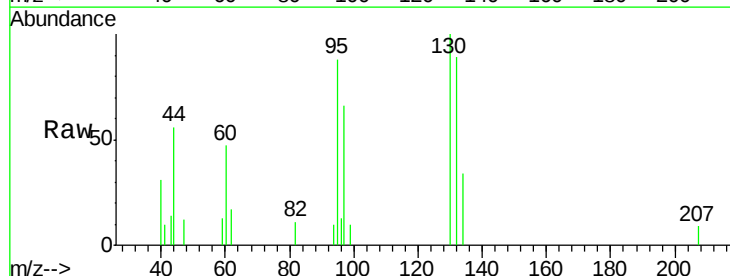
MMDadoda
 10/28/2020 12:32:51 PM

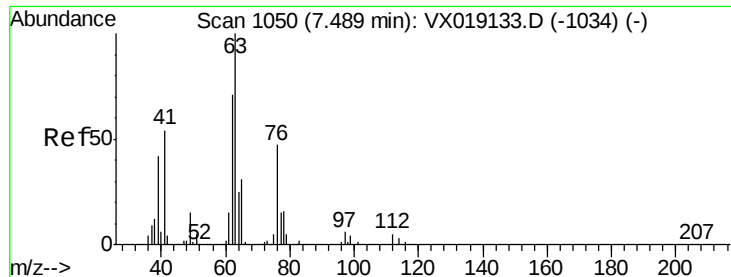


#44

Trichloroethene
 Concen: 0.494 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX019139.D
 Acq: 27 Oct 2020 16:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.8	0.0	192.0





#45

1,2-Dichloropropane

Concen: 0.457 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 63 Resp: 1386

Ion Ratio Lower Upper

63 100

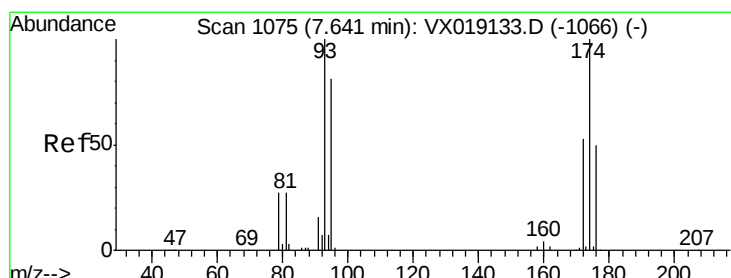
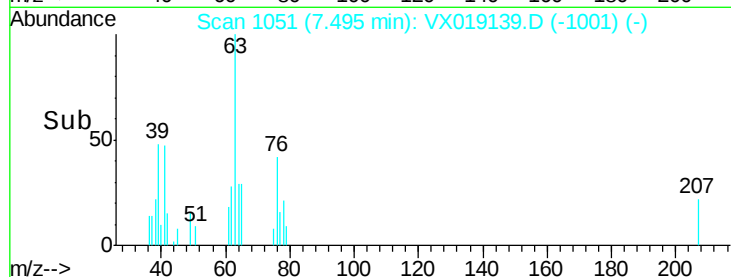
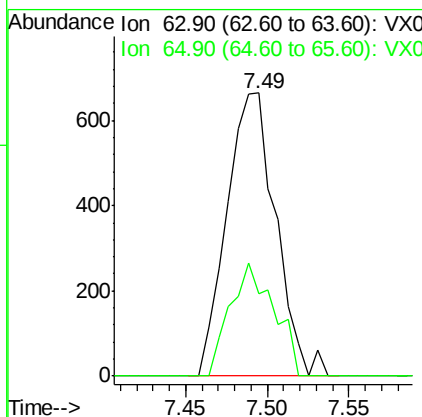
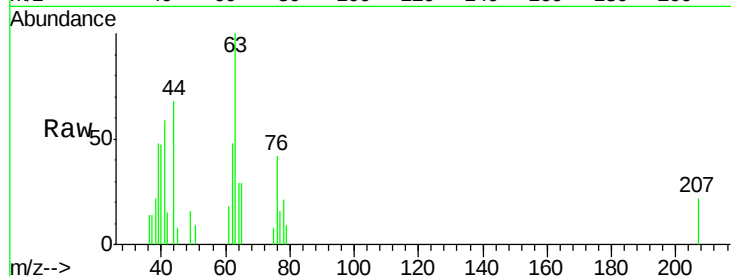
65 29.2 25.2 37.8

Manual Integrations

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#46

Dibromomethane

Concen: 0.471 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

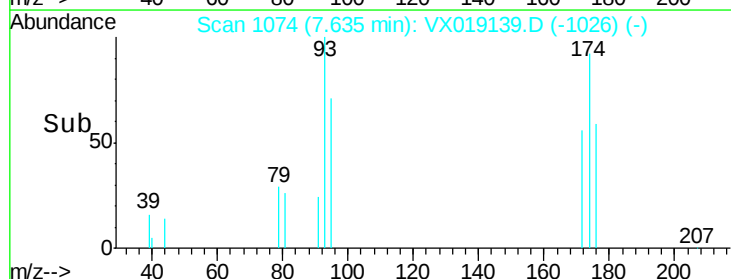
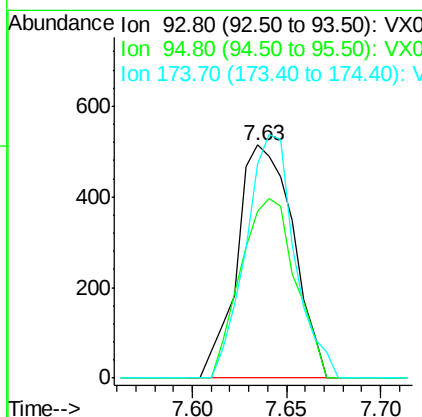
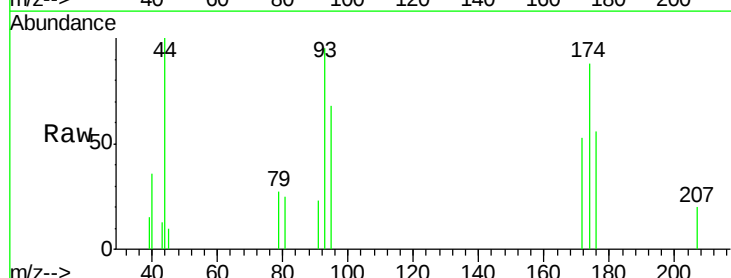
Tgt Ion: 93 Resp: 1056

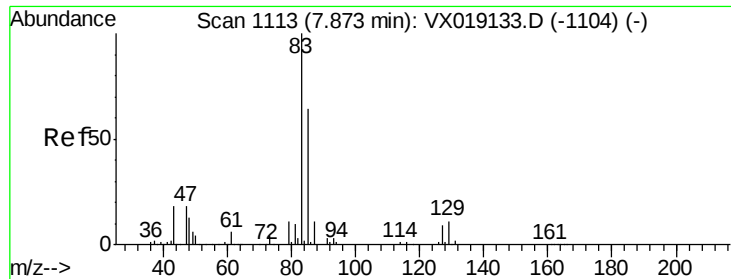
Ion Ratio Lower Upper

93 100

95 75.9 67.0 100.6

174 91.6 81.7 122.5





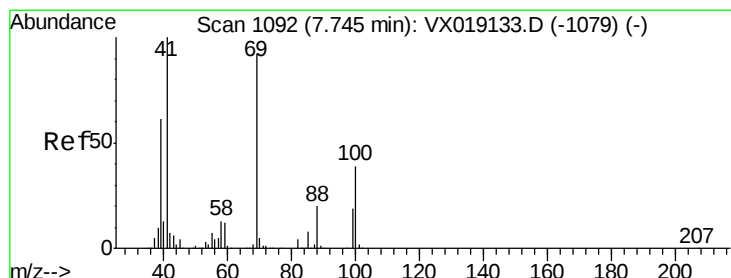
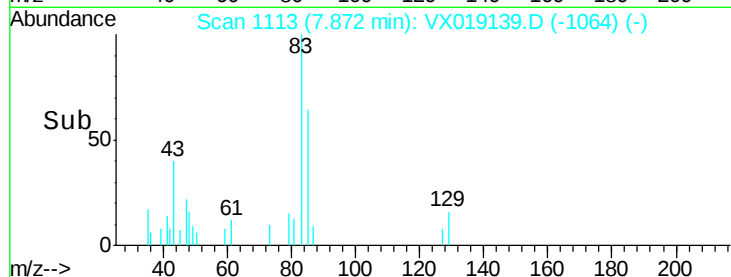
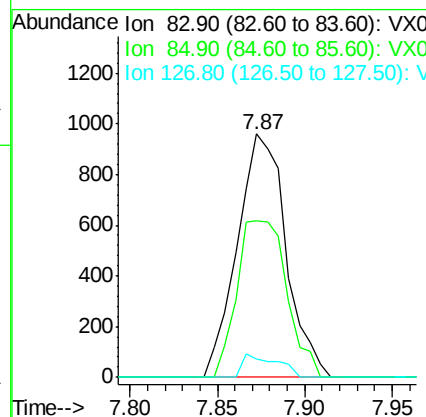
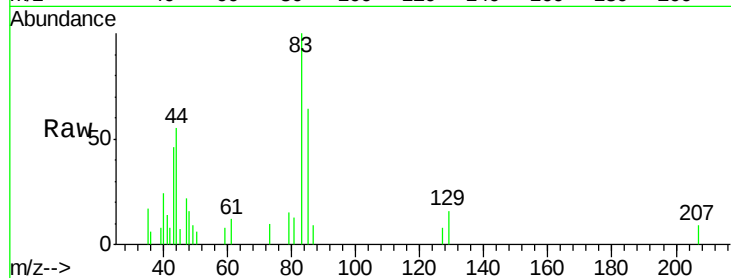
#47
Bromodichloromethane
Concen: 0.420 ug/l
RT: 7.87 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

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

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.2	76.8
127	7.7	7.1	10.7

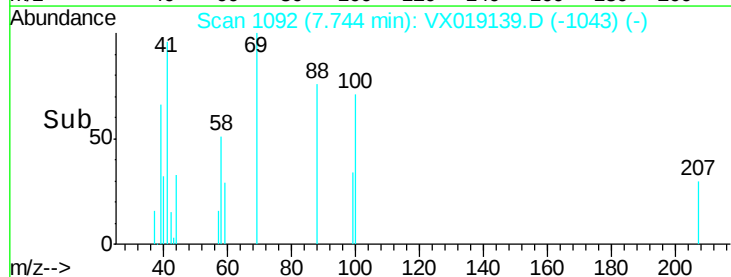
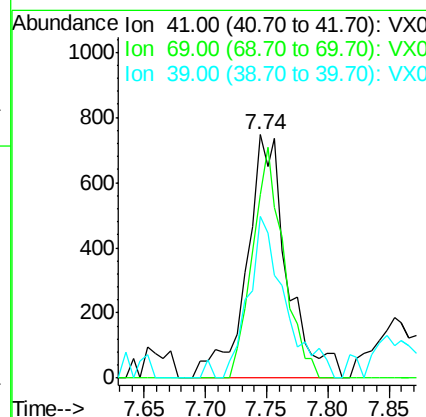
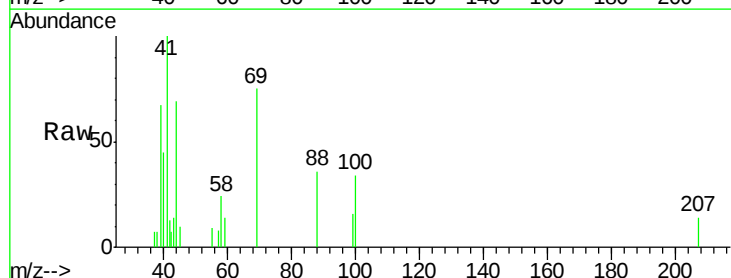
Manual Integrations
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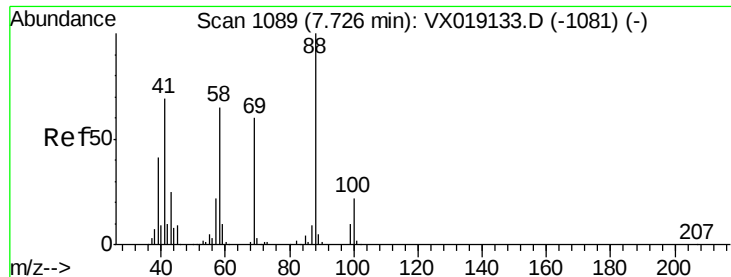
MMDadoda
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#48
Methyl methacrylate
Concen: 0.525 ug/l
RT: 7.74 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

Tgt Ion	Ratio	Lower	Upper
41	100		
69	73.1	75.5	113.3#
39	59.9	48.9	73.3





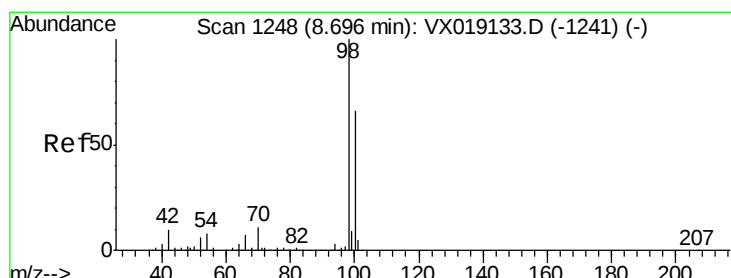
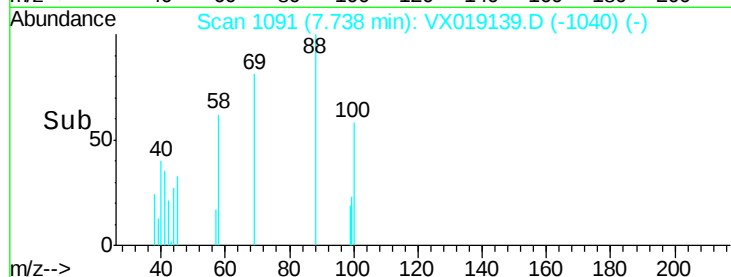
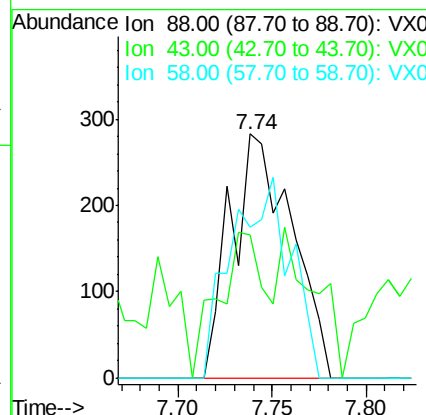
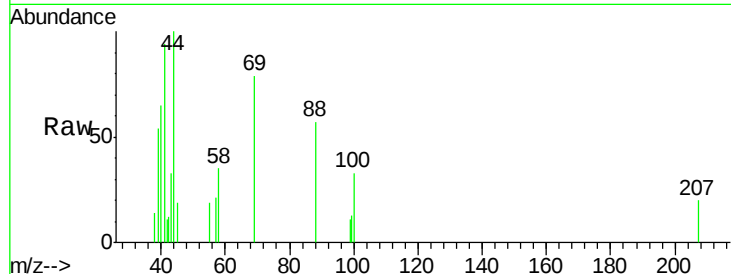
#49
1,4-Dioxane
Concen: 8.757 ug/l
RT: 7.74 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.6	23.0	34.6#
58	0.0	52.2	78.2#

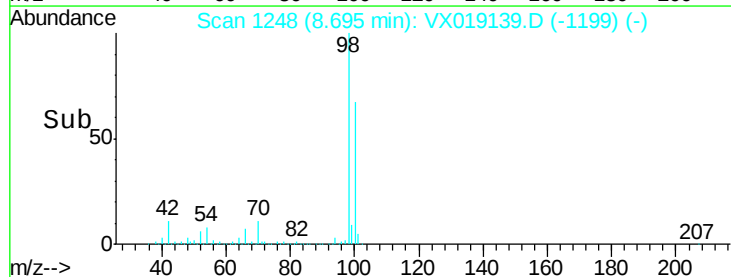
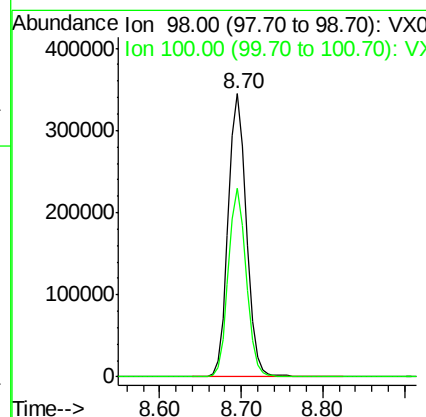
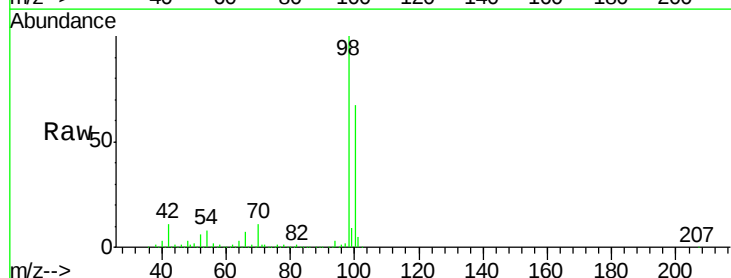
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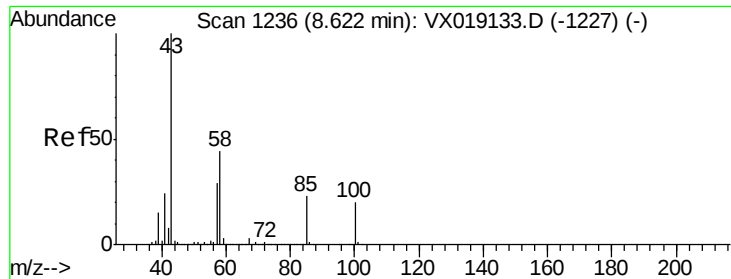
MMDadoda
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#50
Toluene-d8
Concen: 47.773 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 2.149 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 8380

Ion Ratio Lower Upper

43 100

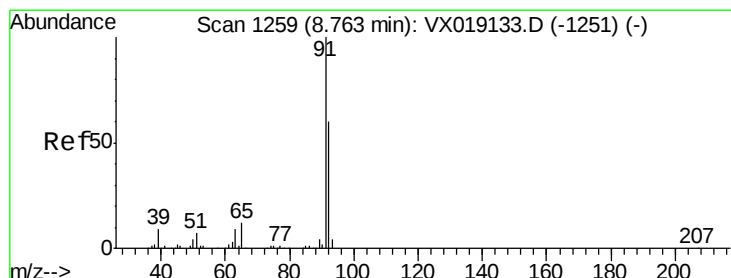
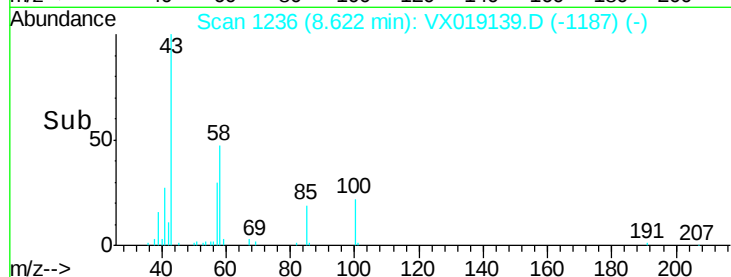
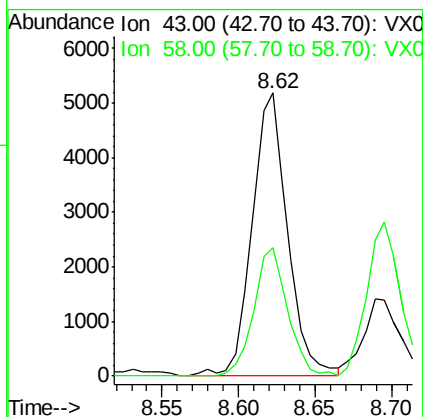
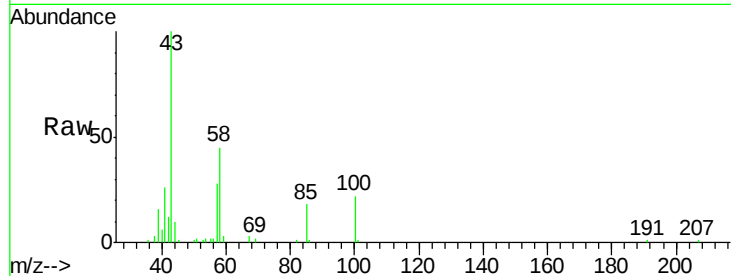
58 43.0 35.0 52.4

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#52

Toluene

Concen: 0.441 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019139.D

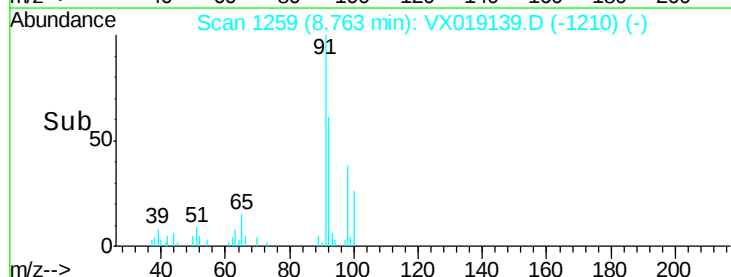
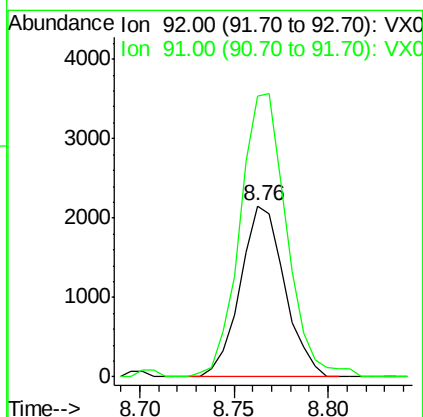
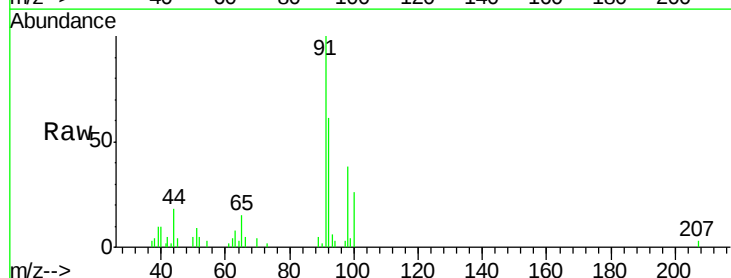
Acq: 27 Oct 2020 16:26

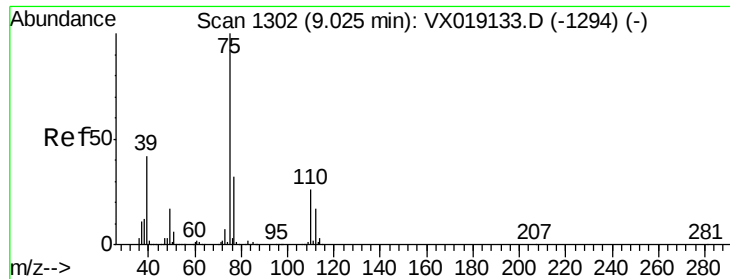
Tgt Ion: 92 Resp: 3513

Ion Ratio Lower Upper

92 100

91 174.3 136.3 204.5





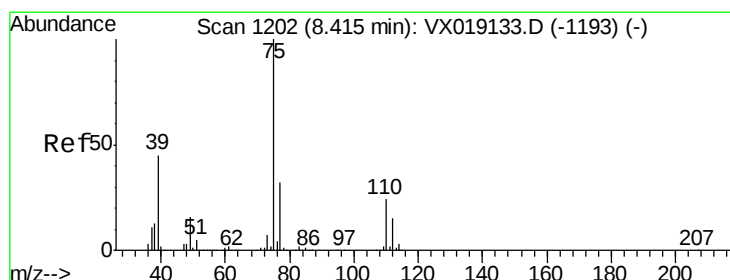
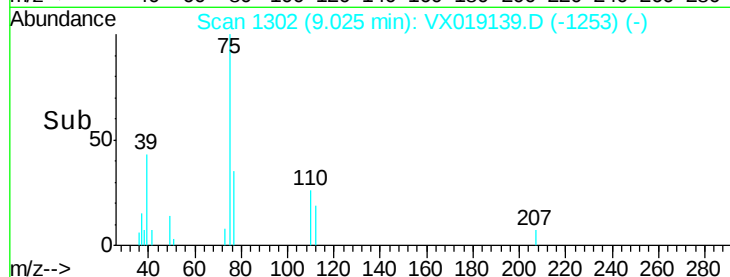
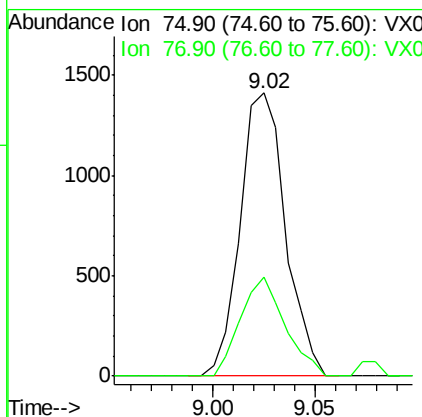
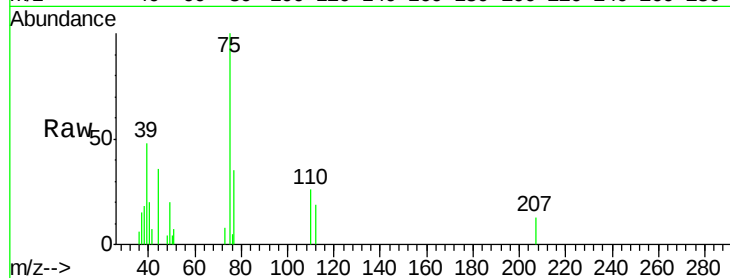
#53
t-1,3-Dichloropropene
Concen: 0.430 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

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

Tot Ion: 75 Resp: 2171
Ion Ratio Lower Upper
75 100
77 34.9 25.4 38.0

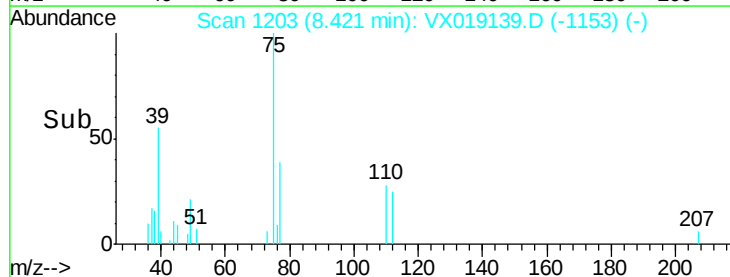
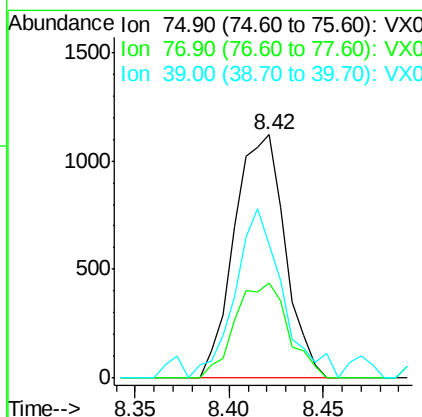
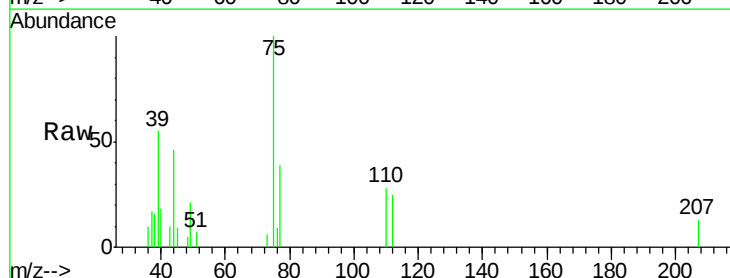
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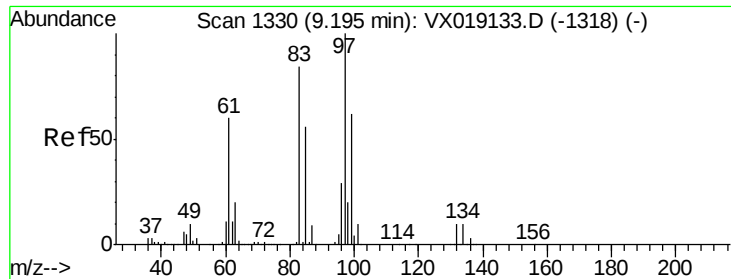
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 0.394 ug/l
RT: 8.42 min Scan# 1203
Delta R.T. 0.01 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

Tgt Ion: 75 Resp: 2088
Ion Ratio Lower Upper
75 100
77 39.2 25.5 38.3#
39 54.6 36.2 54.2#





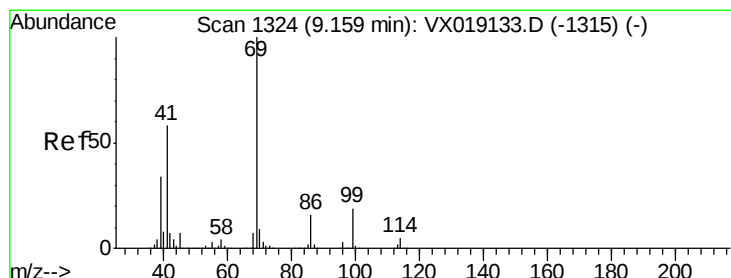
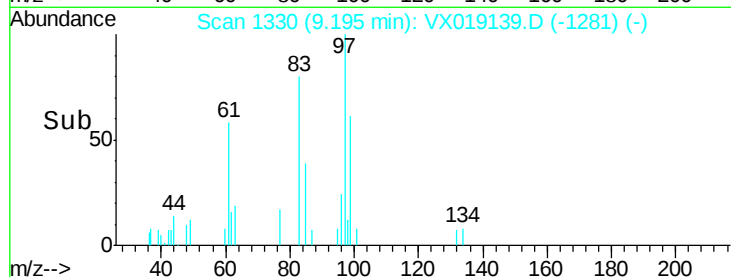
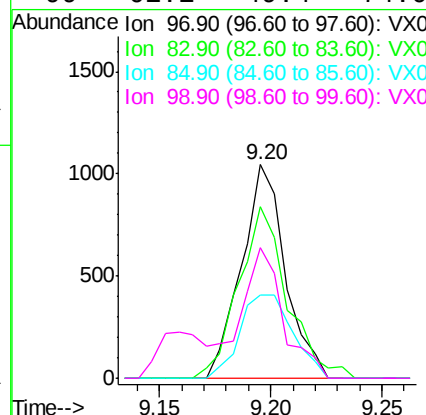
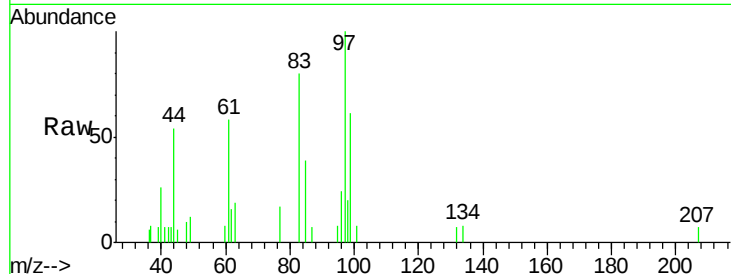
#55
 1,1,2-Trichloroethane
 Concen: 0.454 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX019139.D
 Acq: 27 Oct 2020 16:26

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

Tot Ion	Ratio	Lower	Upper
97	100		
83	80.2	67.2	100.8
85	38.9	44.6	67.0#
99	61.1	49.4	74.0

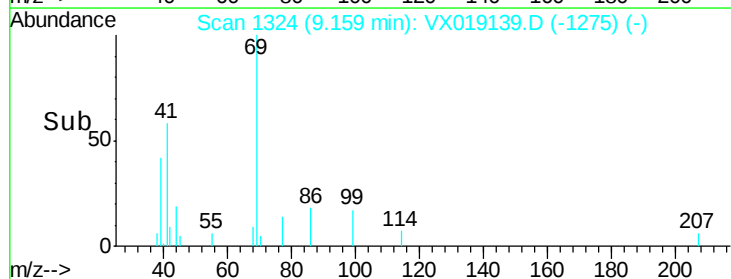
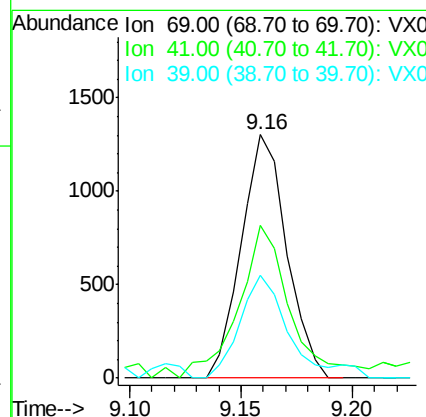
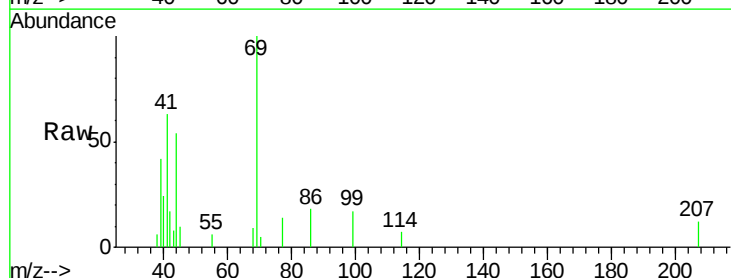
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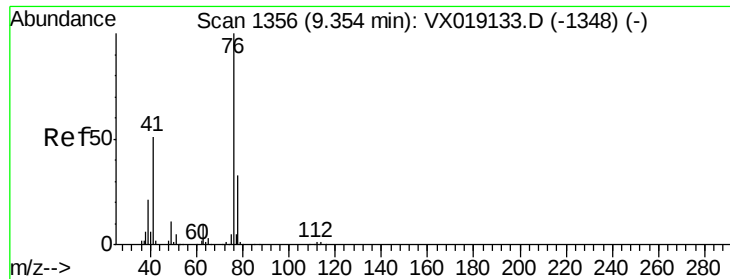
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#56
 Ethyl methacrylate
 Concen: 0.389 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX019139.D
 Acq: 27 Oct 2020 16:26

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.6	46.5	69.7#
39	45.7	27.6	41.4#





#57

1,3-Dichloropropane

Concen: 0.450 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 76 Resp: 2391

Ion Ratio Lower Upper

76 100

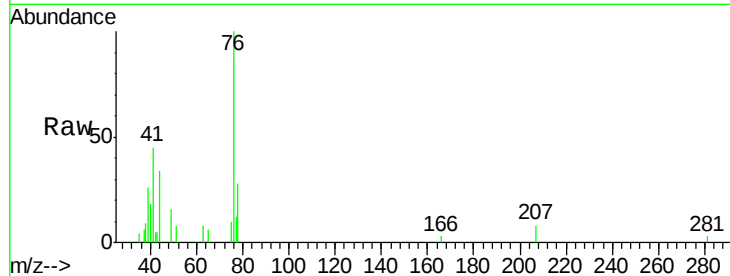
78 32.2 25.9 38.9

Manual Integrations

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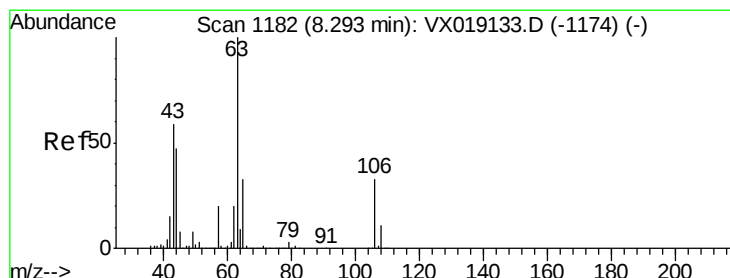
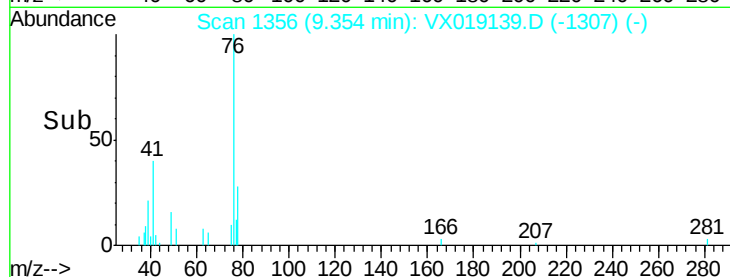
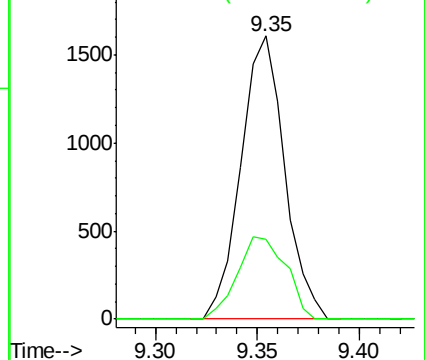
MMDadoda

10/28/2020 12:32:51 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 1.883 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX019139.D

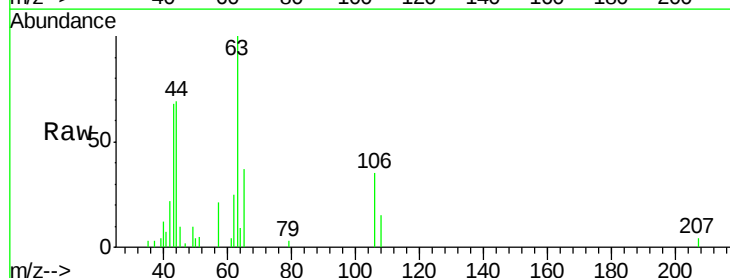
Acq: 27 Oct 2020 16:26

Tgt Ion: 63 Resp: 5008

Ion Ratio Lower Upper

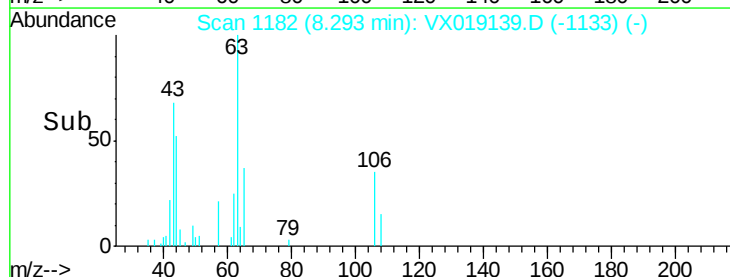
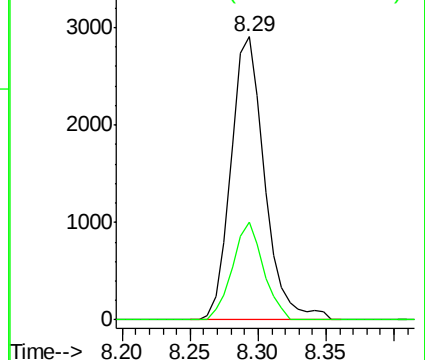
63 100

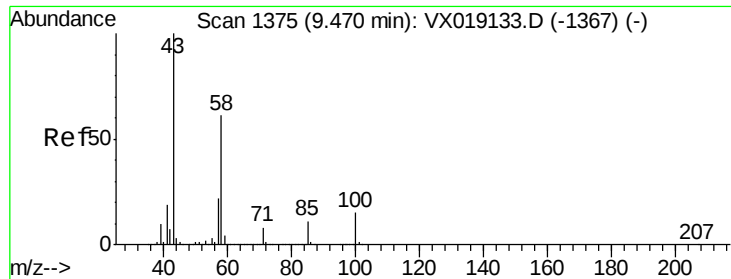
106 31.8 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





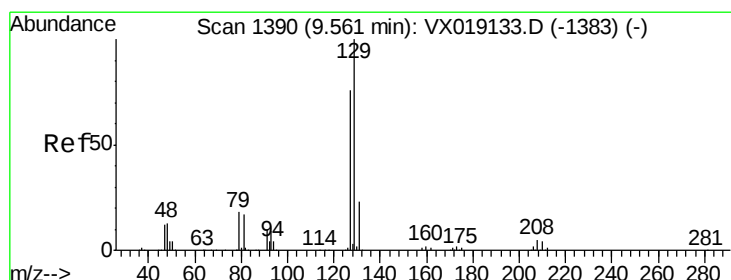
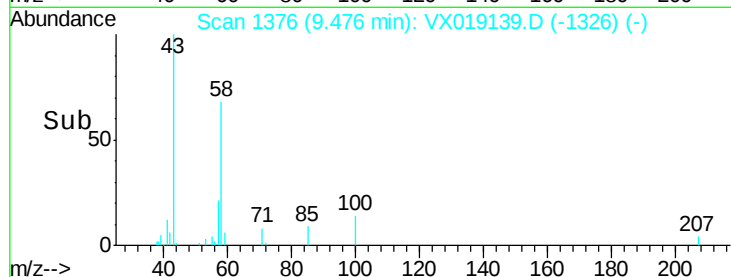
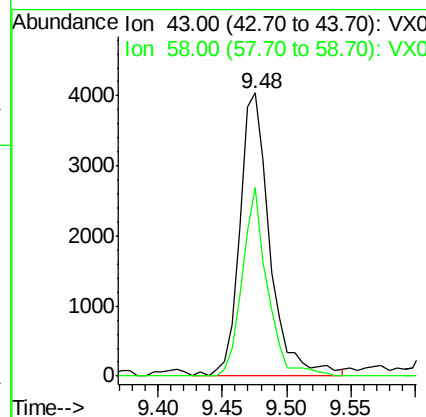
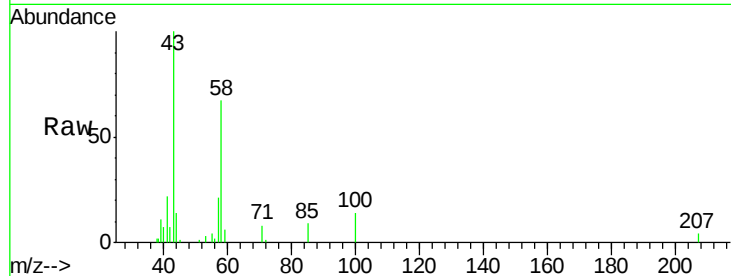
#59
2-Hexanone
Concen: 2.208 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

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

Tot Ion: 43 Resp: 6556
Ion Ratio Lower Upper
43 100
58 55.7 30.5 91.5

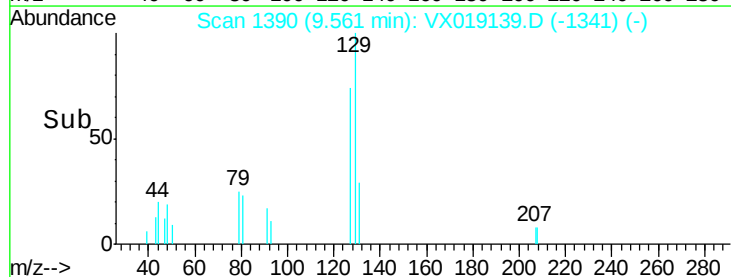
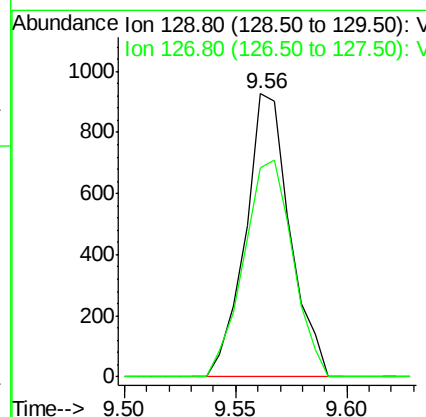
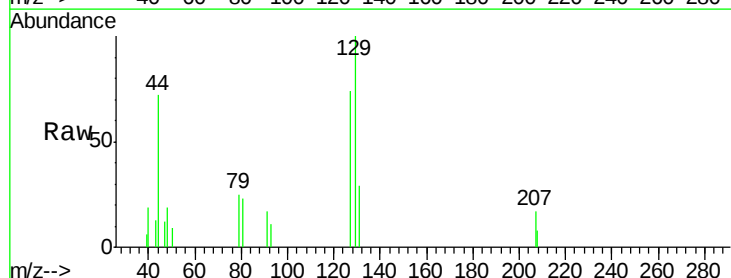
Manual Integrations
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#60
Dibromochloromethane
Concen: 0.378 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

Tgt Ion: 129 Resp: 1293
Ion Ratio Lower Upper
129 100
127 84.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 0.437 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 107 Resp: 1471

Ion Ratio Lower Upper

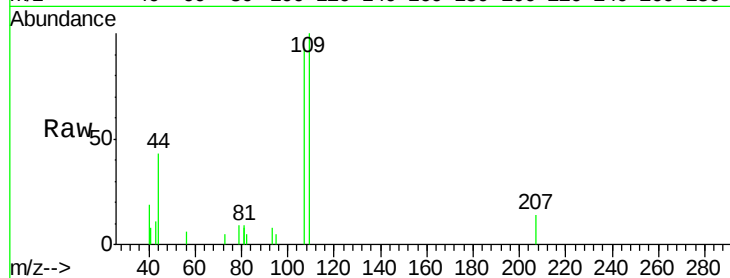
107 100

109 92.8 75.9 113.9

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

1000

800

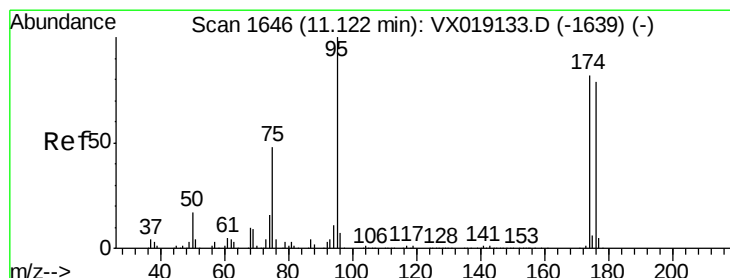
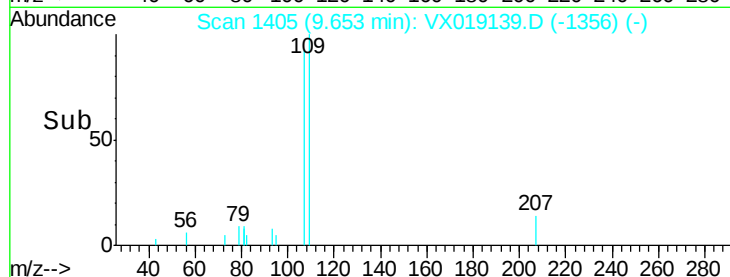
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.035 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

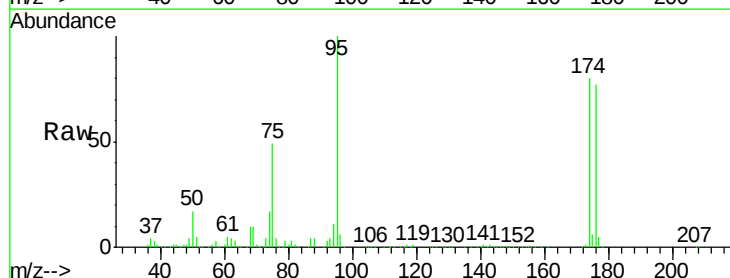
Tgt Ion: 95 Resp: 195106

Ion Ratio Lower Upper

95 100

174 77.4 0.0 156.0

176 75.8 0.0 149.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

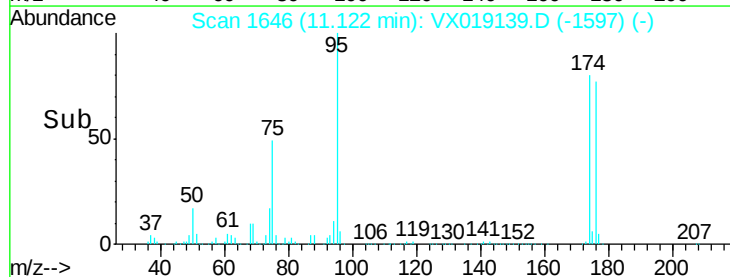
150000

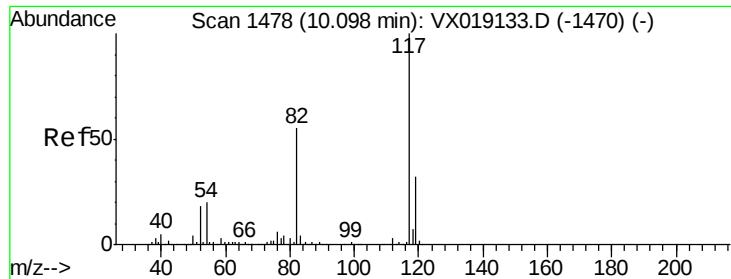
100000

50000

0

Time-->





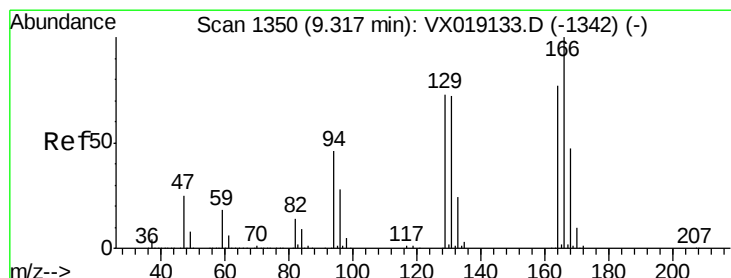
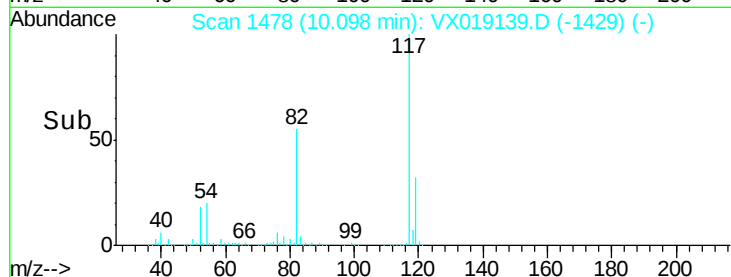
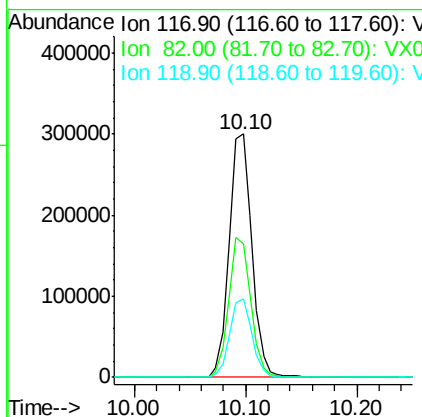
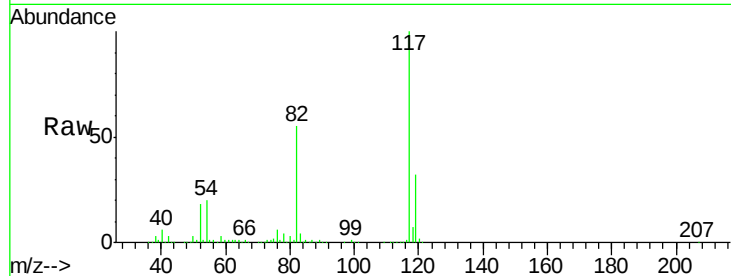
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	423548		
82	55.0		43.6	65.4
119	32.3		25.5	38.3

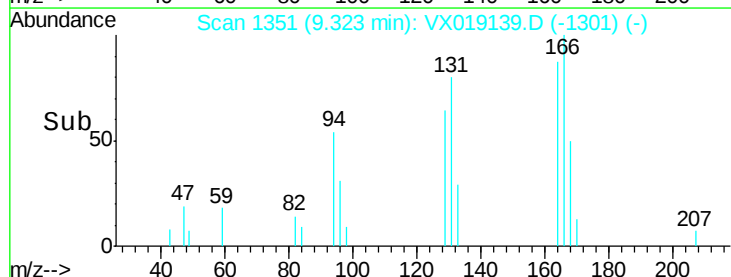
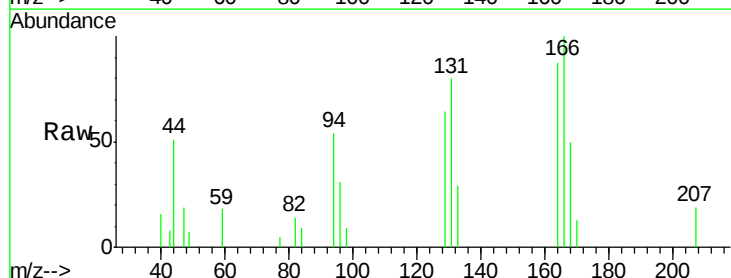
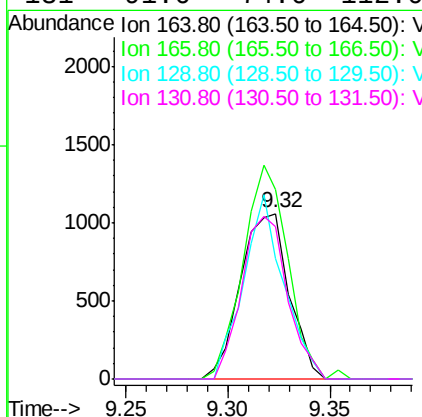
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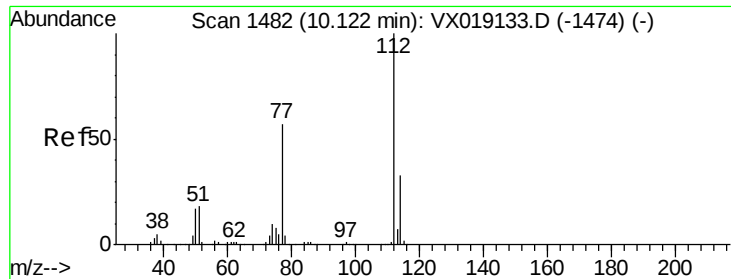
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#64
Tetrachloroethene
Concen: 0.544 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	1757		
166	114.5		104.1	156.1
129	73.0		76.2	114.4
131	91.6		74.6	112.0





#65

Chlorobenzene

Concen: 0.489 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:112 Resp: 4235

Ion Ratio Lower Upper

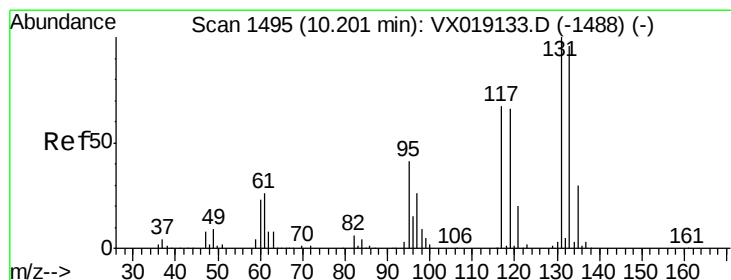
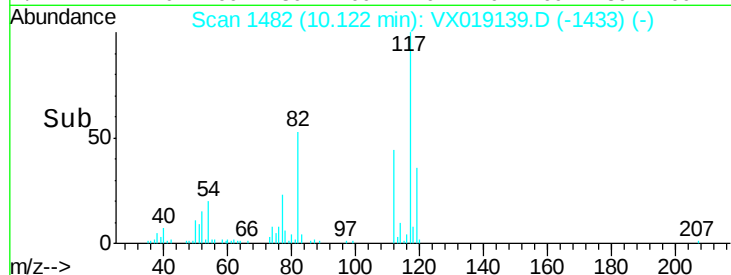
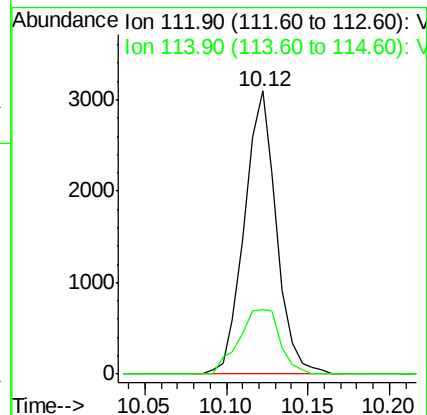
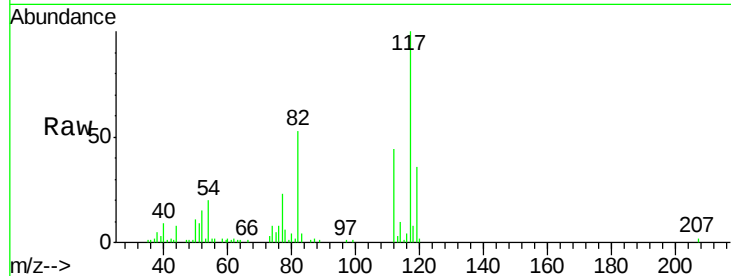
112 100

114 23.0 26.1 39.1#

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 0.384 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.01 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

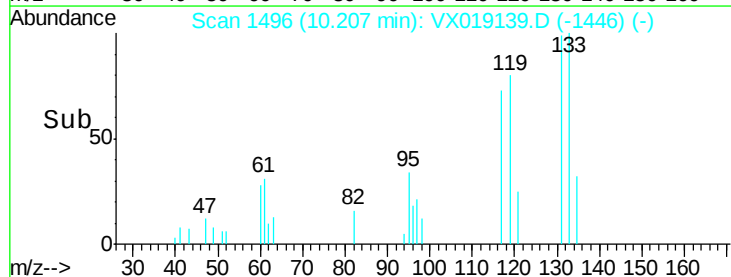
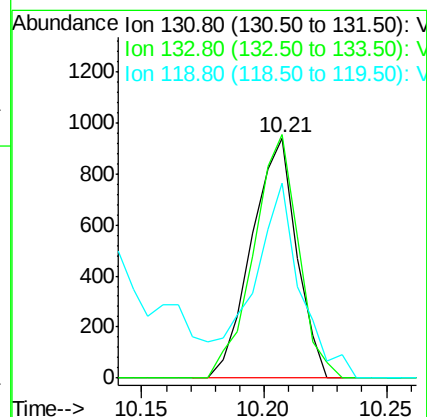
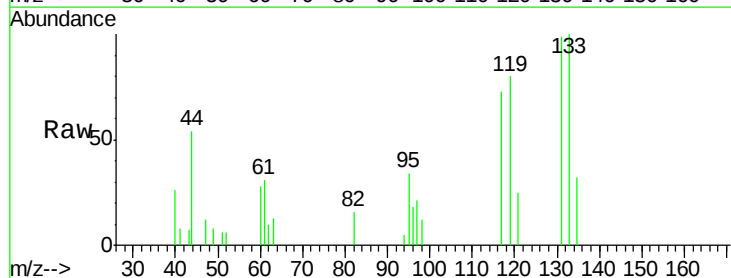
Tgt Ion:131 Resp: 1196

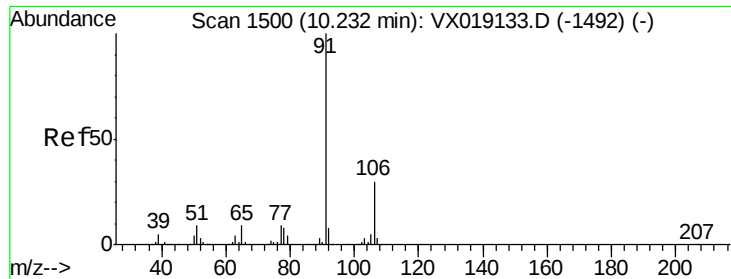
Ion Ratio Lower Upper

131 100

133 100.9 47.3 141.8

119 0.0 32.3 96.9#





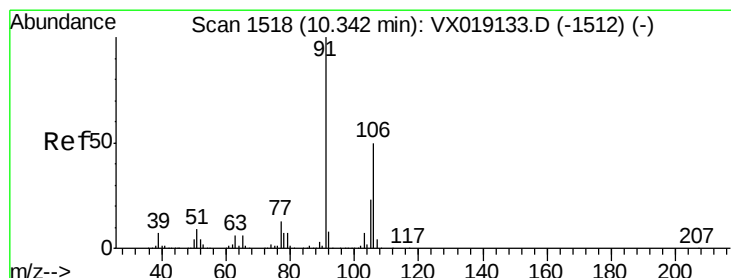
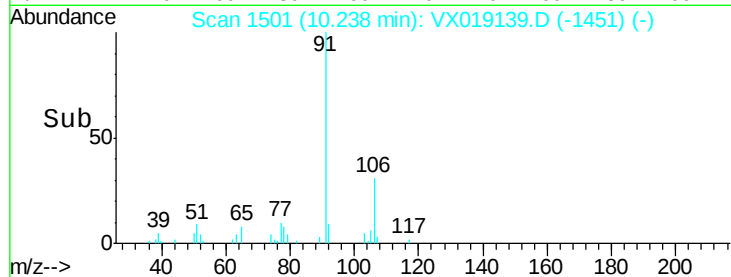
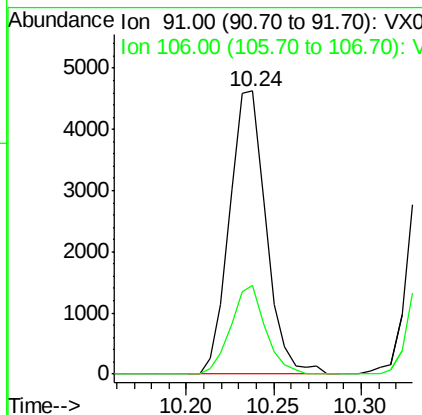
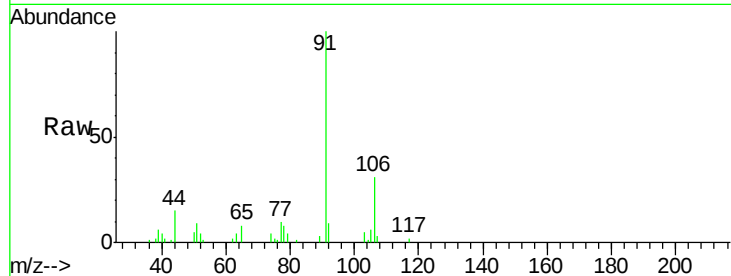
#67
Ethyl Benzene
Concen: 0.436 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

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

Tot Ion: 91 Resp: 6733
Ion Ratio Lower Upper
91 100
106 31.2 24.3 36.5

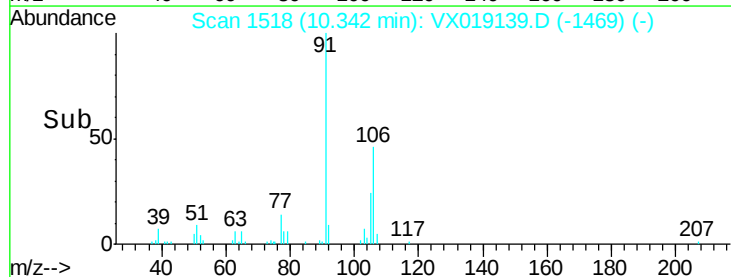
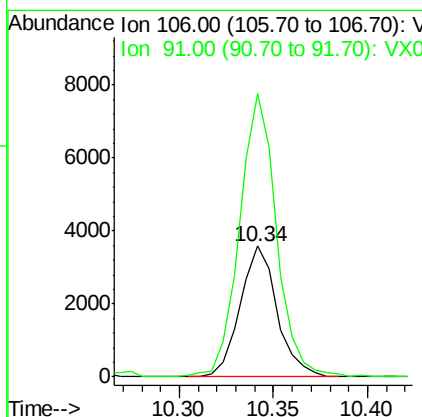
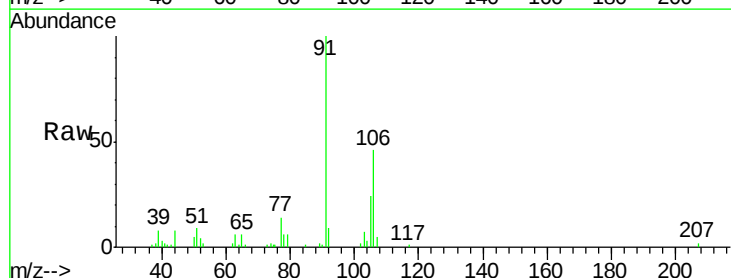
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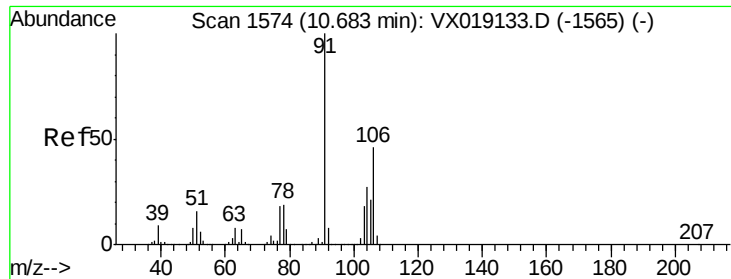
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#68
m/p-Xylenes
Concen: 0.842 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

Tgt Ion: 106 Resp: 4876
Ion Ratio Lower Upper
106 100
91 216.1 161.0 241.4





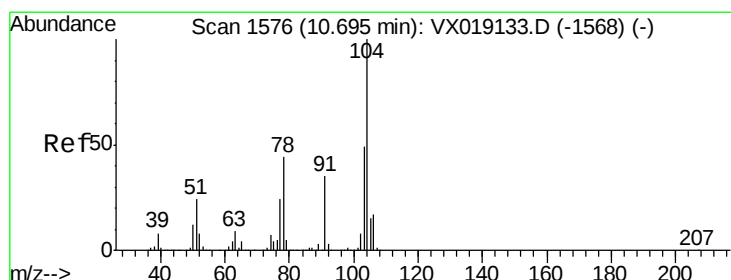
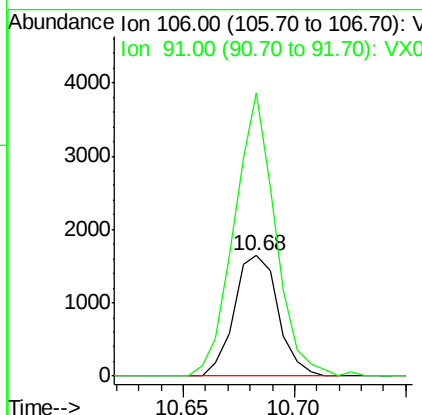
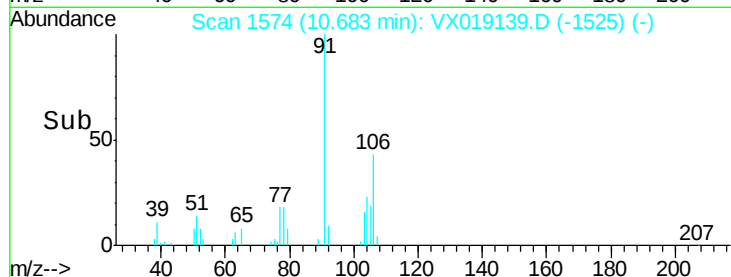
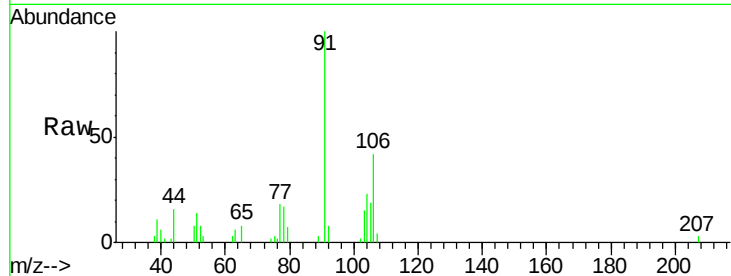
#69
o-Xylene
Concen: 0.411 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

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

Tot Ion	Ratio	Lower	Upper
106	100		
91	219.7	108.3	324.8

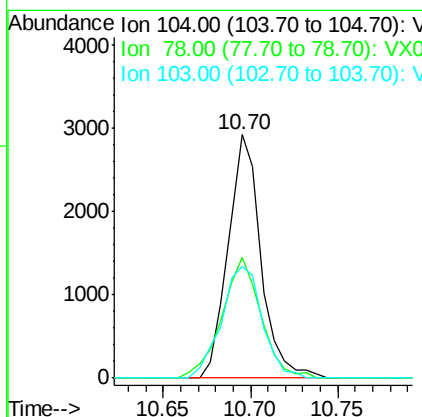
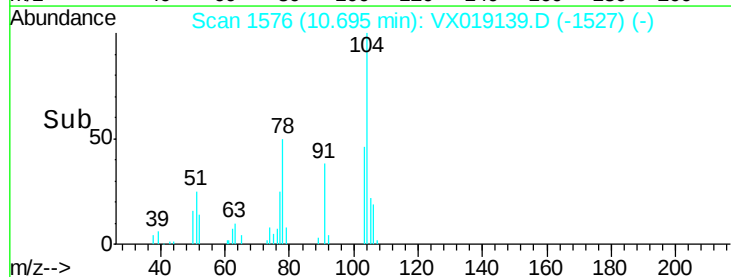
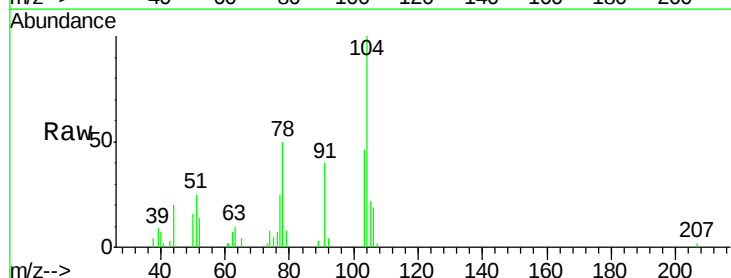
Manual Integrations
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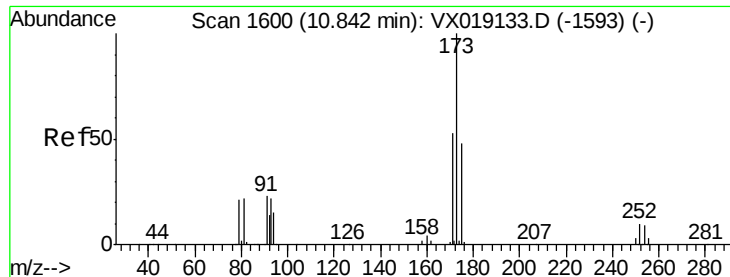
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#70
Styrene
Concen: 0.406 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

Tgt Ion	Ratio	Lower	Upper
104	100		
78	58.7	40.0	60.0
103	56.9	43.5	65.3





#71

Bromoform

Concen: 0.357 ug/l

RT: 10.84 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

Instrument :

MSVOA_X

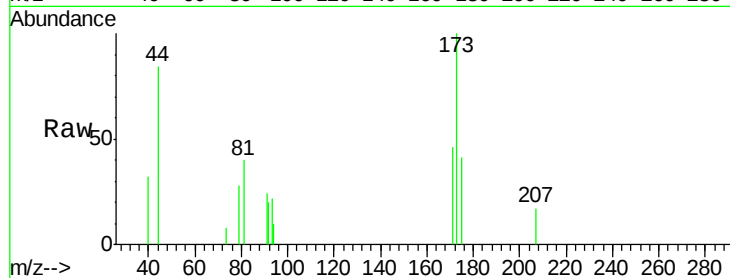
ClientSampleId :

MDL-WATER-03-QT4-2020

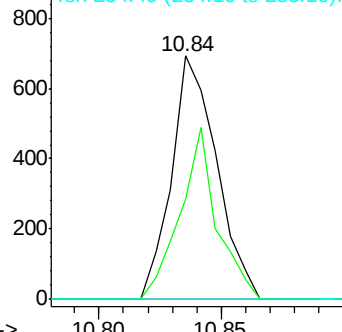
Tot Ion	Ratio	Lower	Upper
173	100		
175	57.5	24.4	73.4
254	0.0	0.1	0.1

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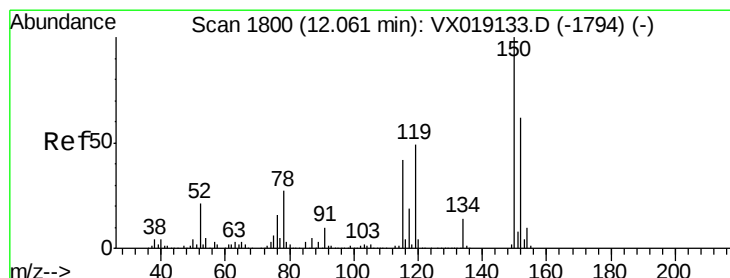
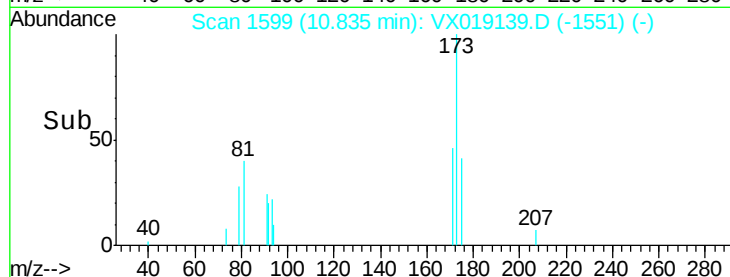
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

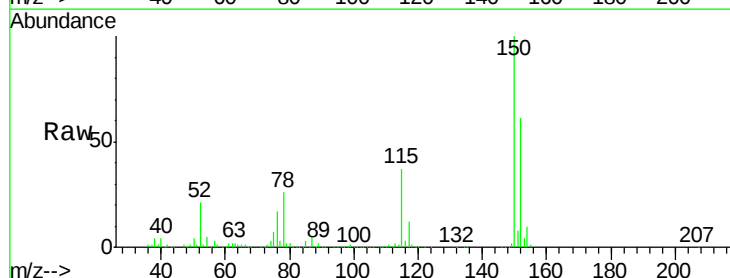
RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

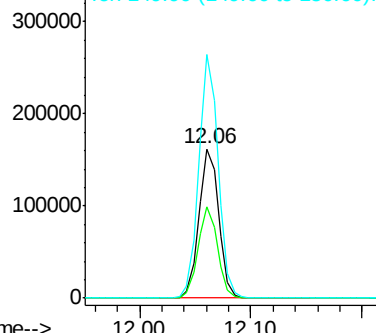
Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

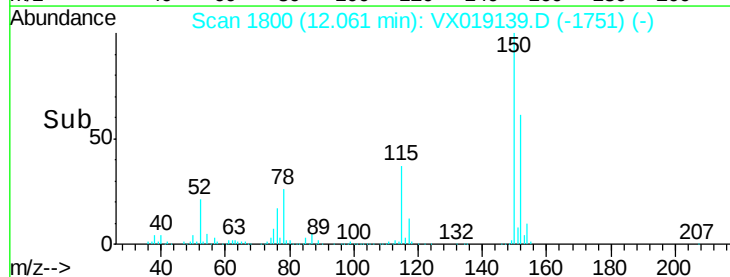
Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	41.9	125.7
150	159.2	0.0	347.8

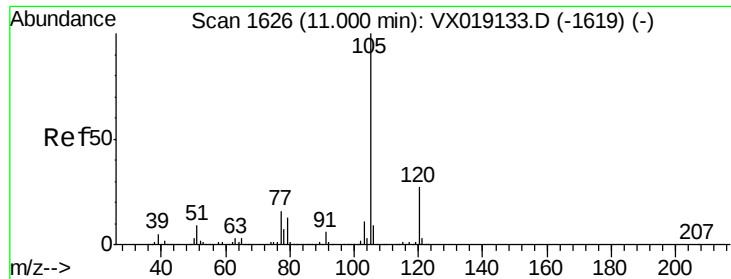


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



Time-->





#73

Isopropylbenzene

Concen: 0.458 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:105 Resp: 6433

Ion Ratio Lower Upper

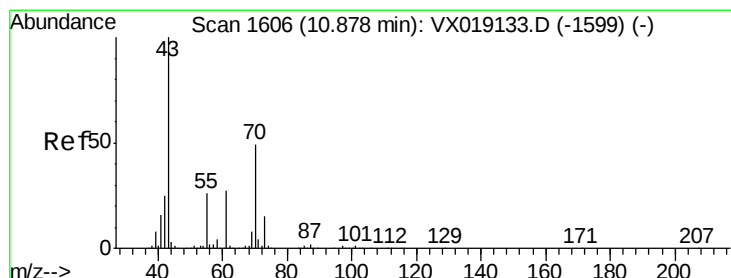
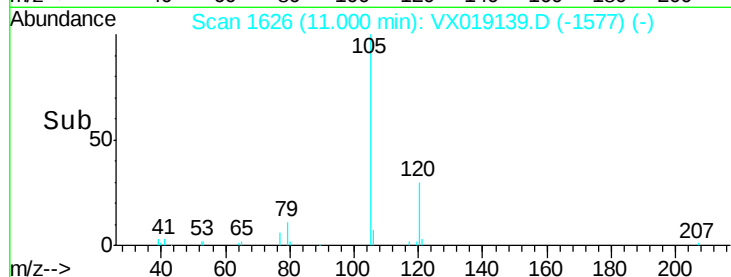
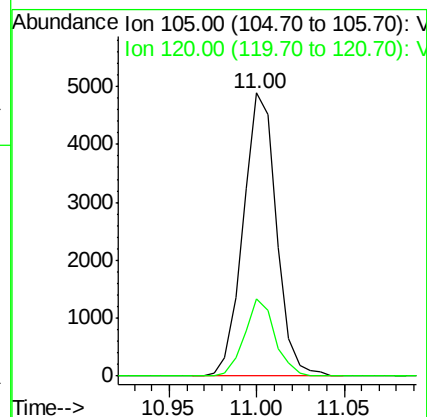
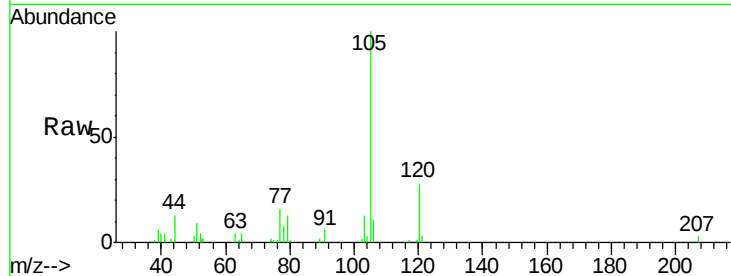
105 100

120 25.1 13.3 39.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 0.431 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

Tgt Ion: 43 Resp: 2214

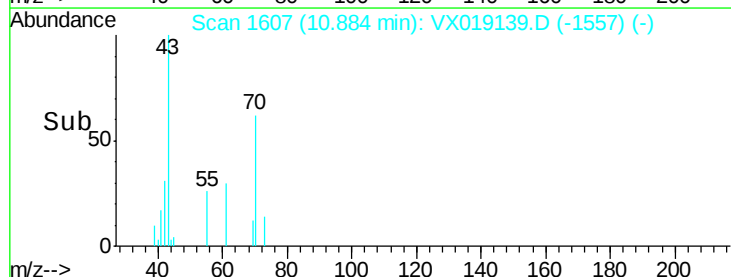
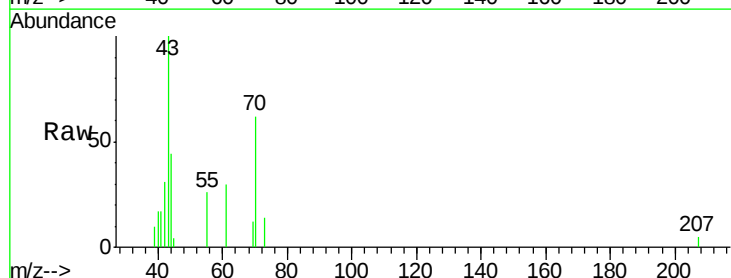
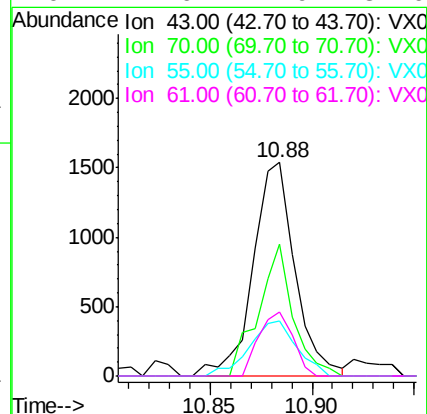
Ion Ratio Lower Upper

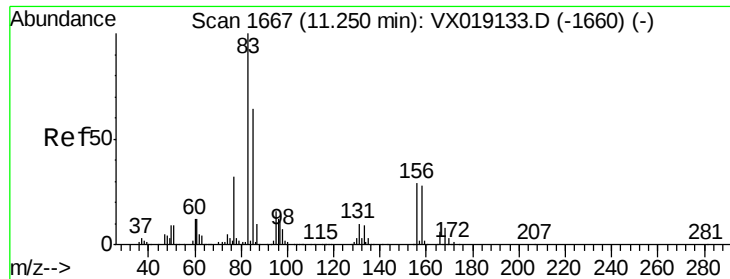
43 100

70 50.8 39.6 59.4

55 29.0 20.7 31.1

61 24.6 21.9 32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 0.421 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

Instrument :

MSVOA_X

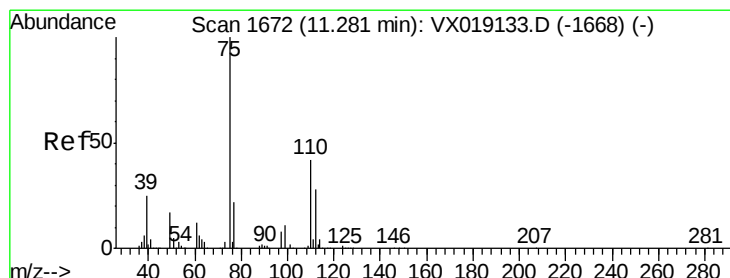
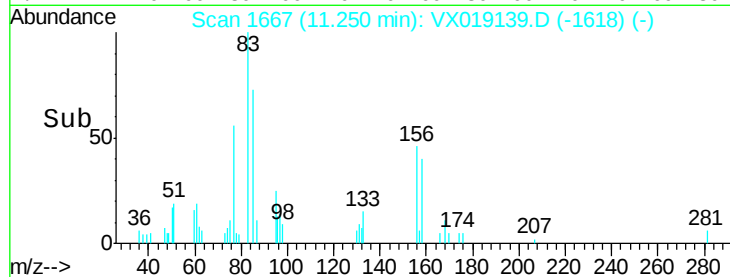
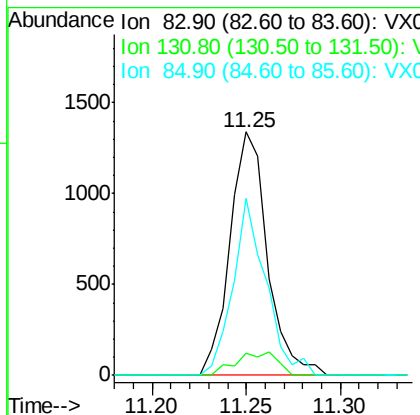
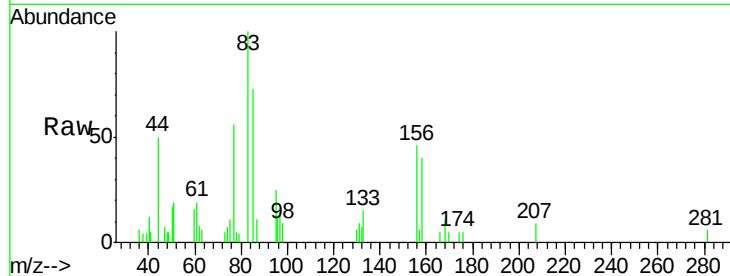
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	83	Resp:	1849
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	64.4	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 0.479 ug/l m

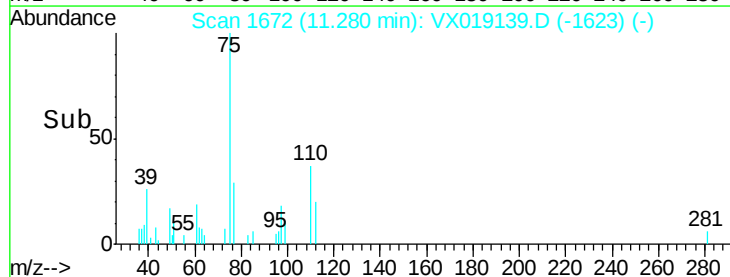
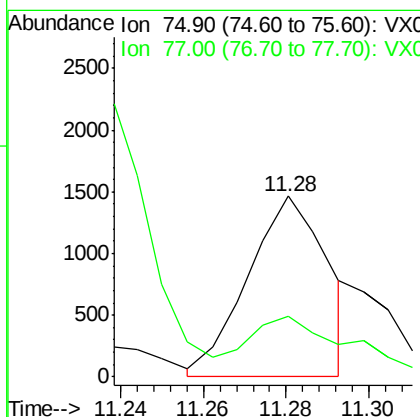
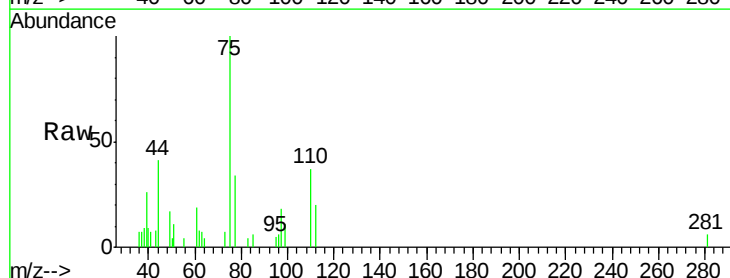
RT: 11.28 min Scan# 1672

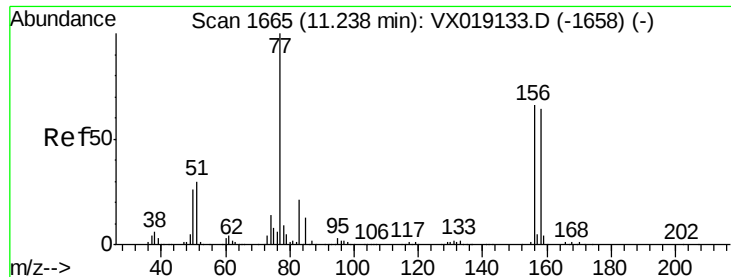
Delta R.T. -0.00 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

Tgt Ion:	75	Resp:	1964
Ion	Ratio	Lower	Upper
75	100		
77	58.4	20.3	60.9





#77

Bromobenzene

Concen: 0.520 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

Instrument :

MSVOA_X

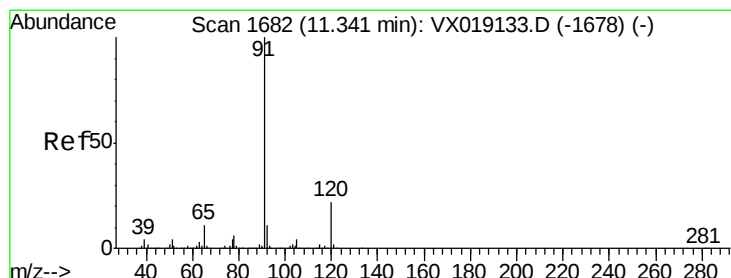
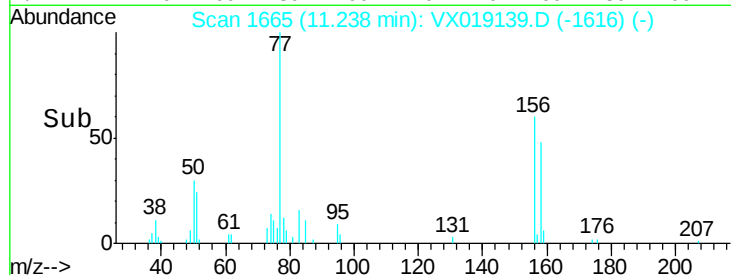
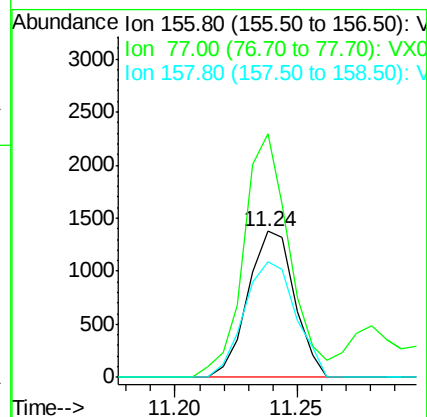
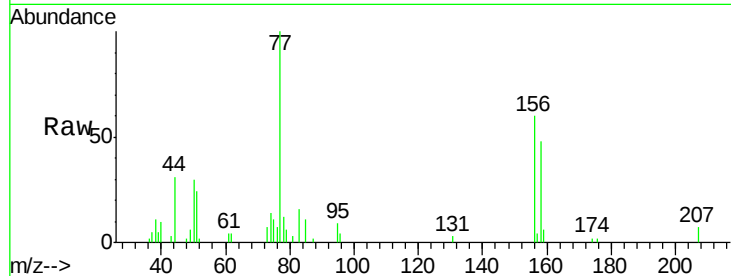
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		1815		
77	163.9		77.7	233.1	
158	87.9		48.3	144.8	

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#78

n-propylbenzene

Concen: 0.460 ug/l

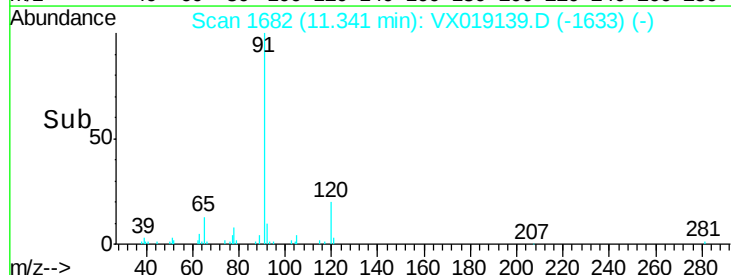
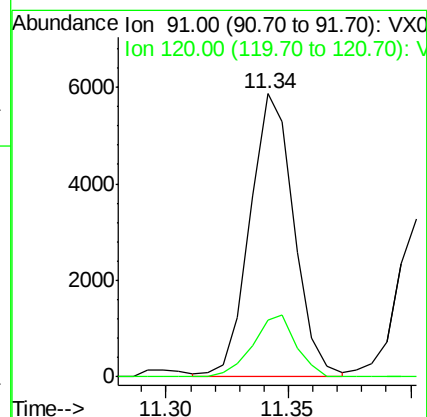
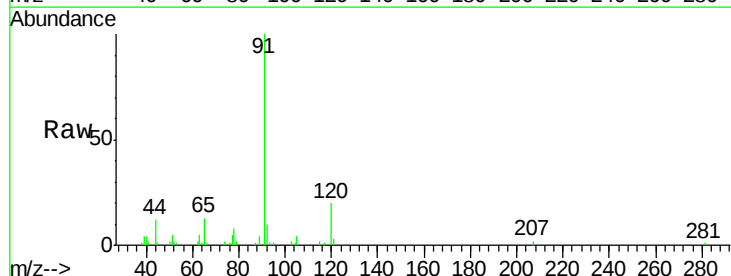
RT: 11.34 min Scan# 1682

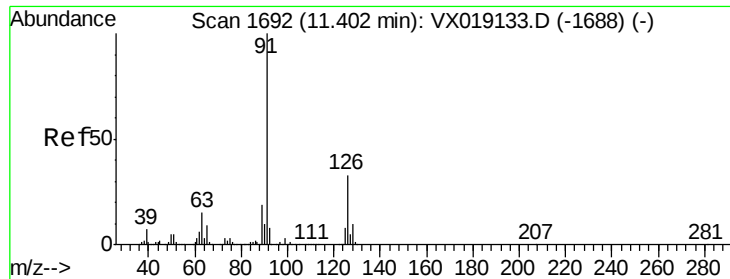
Delta R.T. -0.00 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		7381		
120	21.3		11.7	35.0	





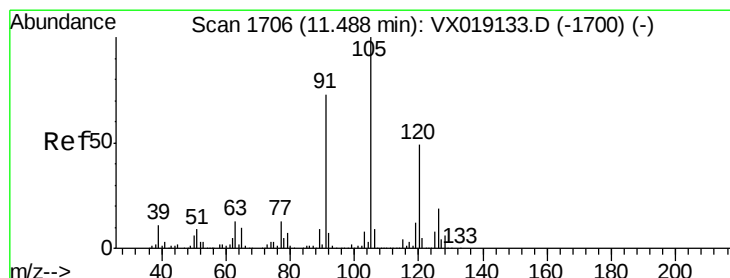
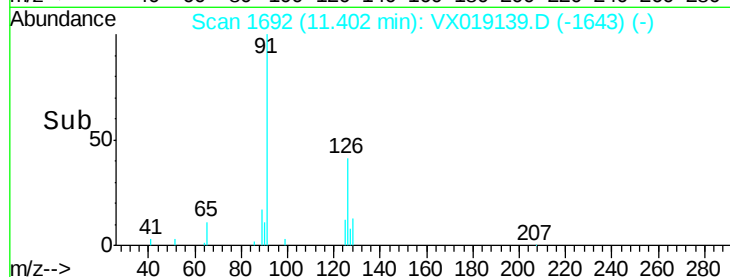
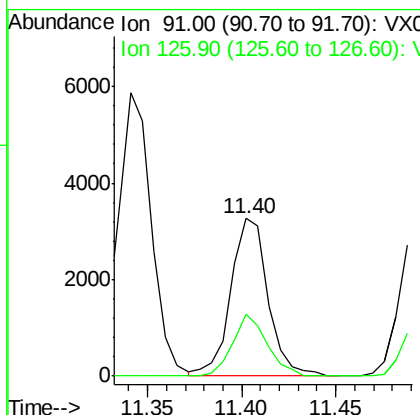
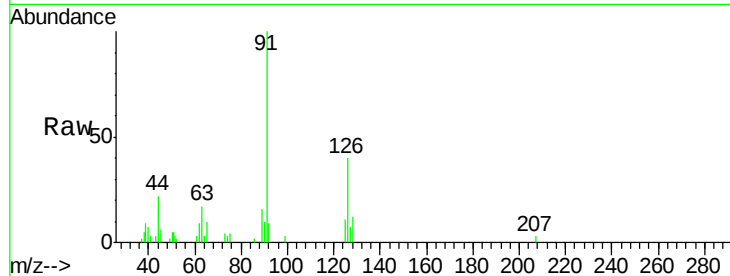
#79
 2-Chlorotoluene
 Concen: 0.474 ug/l
 RT: 11.40 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VX019139.D
 Acq: 27 Oct 2020 16:26

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

Tot Ion: 91 Resp: 4481
 Ion Ratio Lower Upper
 91 100
 126 35.9 16.9 50.7

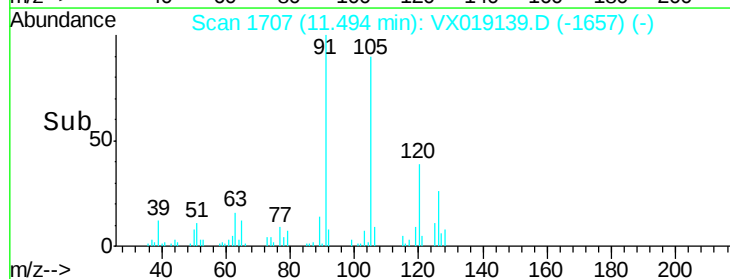
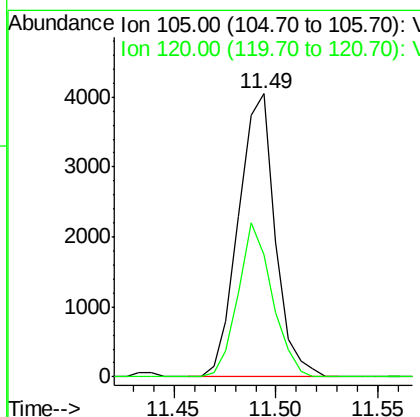
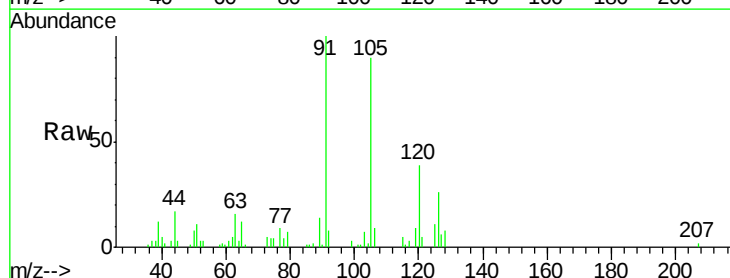
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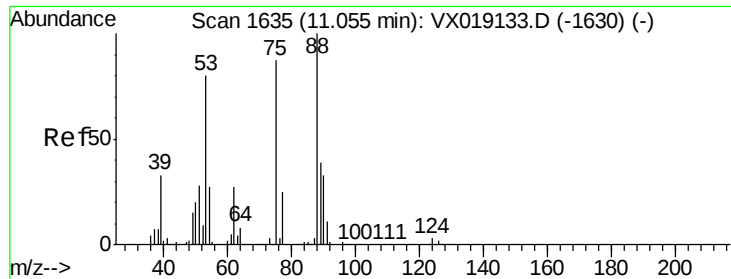
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#80
 1,3,5-Trimethylbenzene
 Concen: 0.426 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. 0.01 min
 Lab File: VX019139.D
 Acq: 27 Oct 2020 16:26

Tgt Ion: 105 Resp: 5063
 Ion Ratio Lower Upper
 105 100
 120 50.4 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 0.339 ug/l m

RT: 11.05 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

Instrument :

MSVOA_X

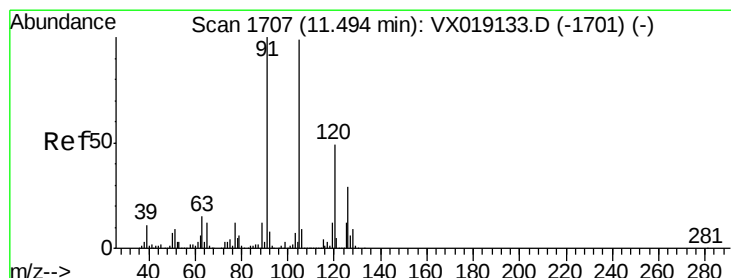
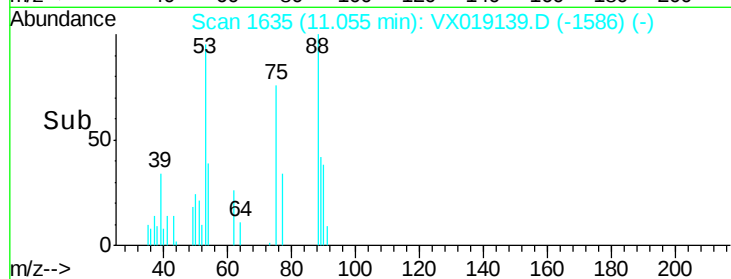
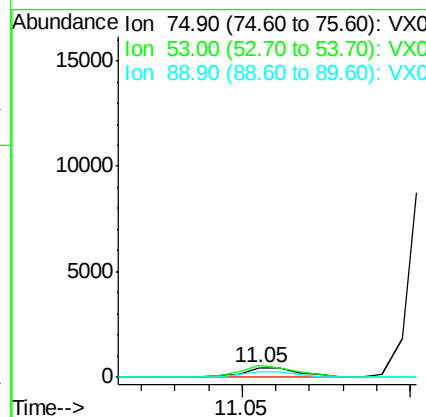
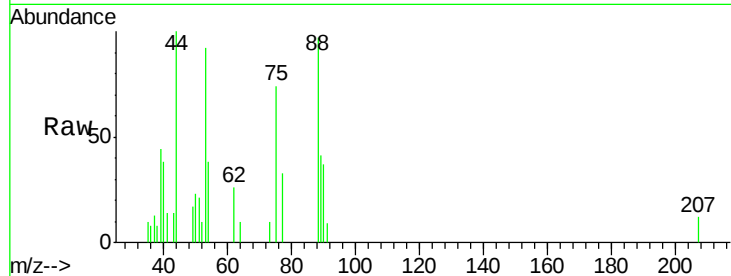
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
75	100		
53	4.2	73.3	109.9#
89	0.0	38.2	57.2#

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#82

4-Chlorotoluene

Concen: 0.483 ug/l

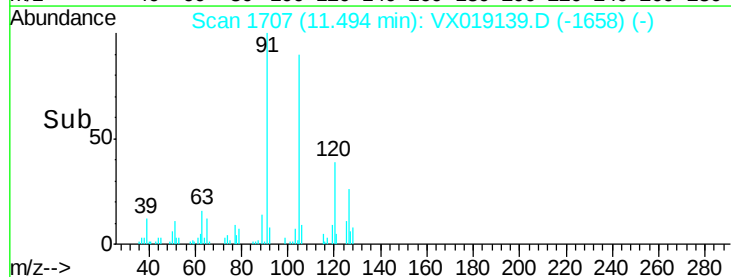
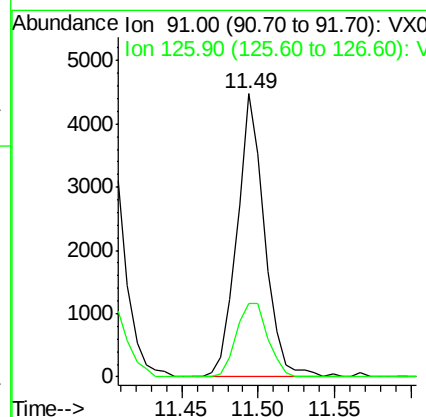
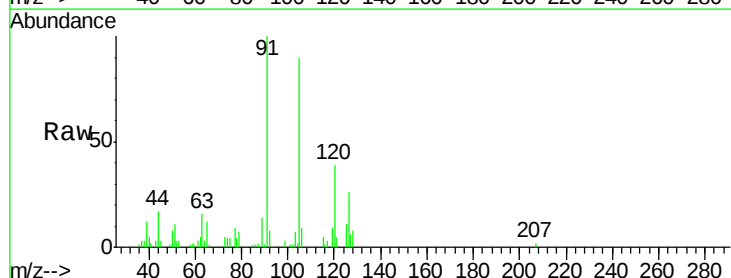
RT: 11.49 min Scan# 1707

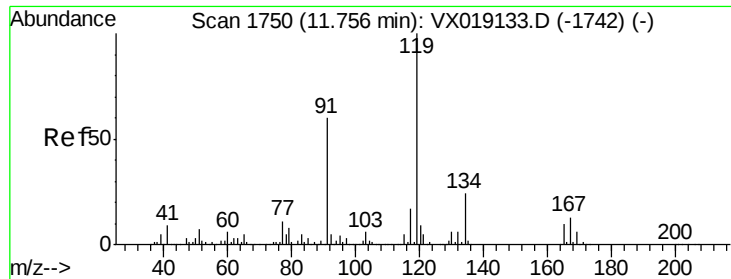
Delta R.T. -0.00 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.7	14.8	44.4





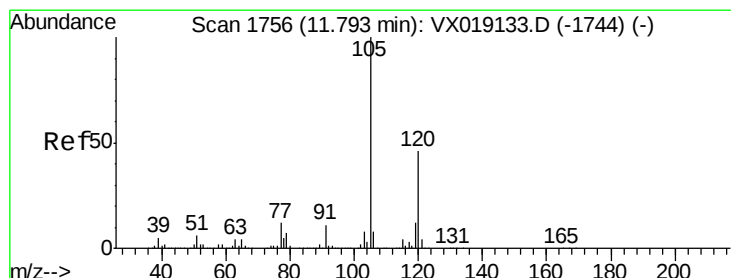
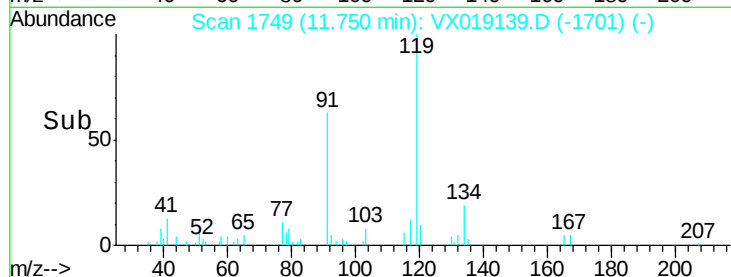
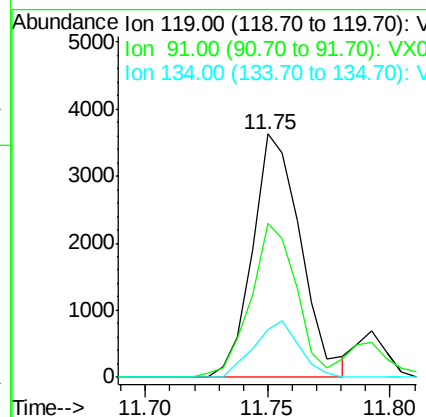
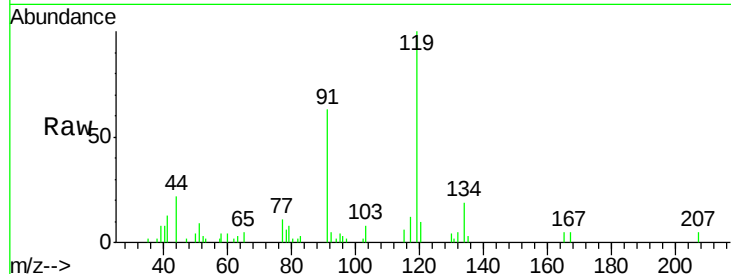
#83
tert-Butylbenzene
Concen: 0.439 ug/l
RT: 11.75 min Scan# 1749
Delta R.T. -0.01 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

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

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.3	29.0	87.1
134	21.7	11.7	35.0

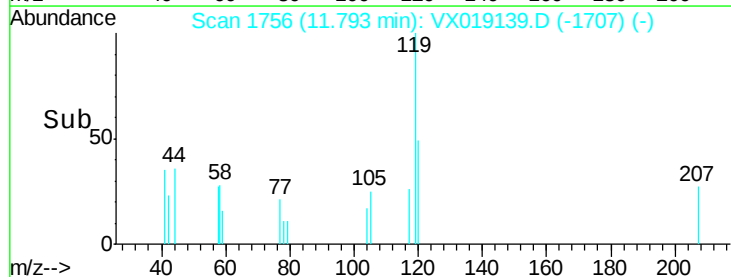
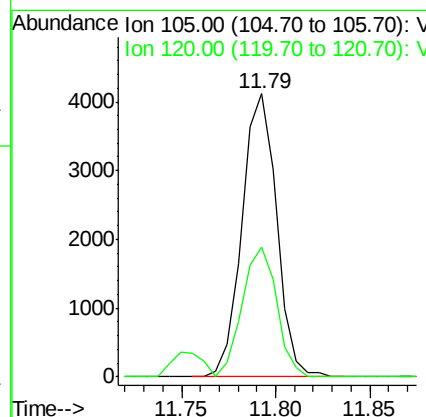
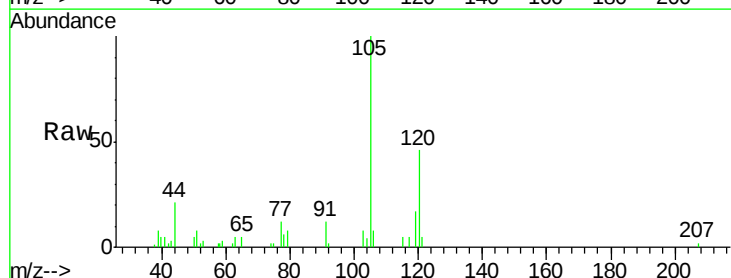
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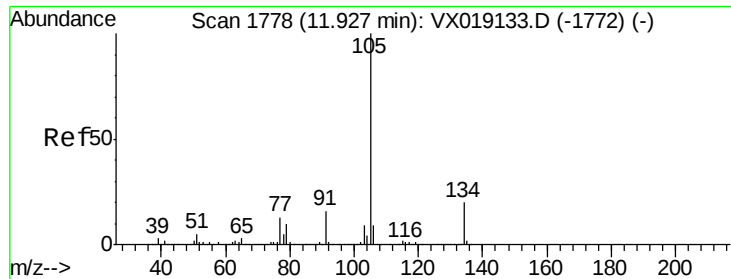
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#84
1,2,4-Trimethylbenzene
Concen: 0.438 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.4	67.3





#85

sec-Butylbenzene

Concen: 0.427 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:105 Resp: 5818

Ion Ratio Lower Upper

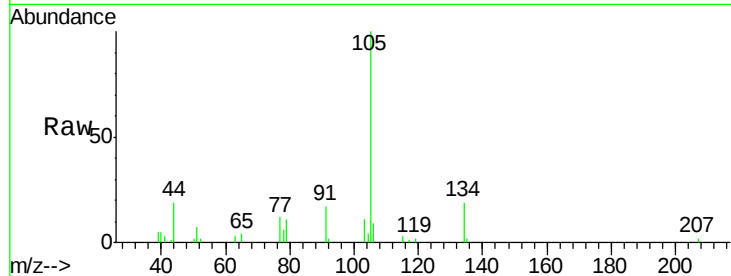
105 100

134 20.9 10.1 30.1

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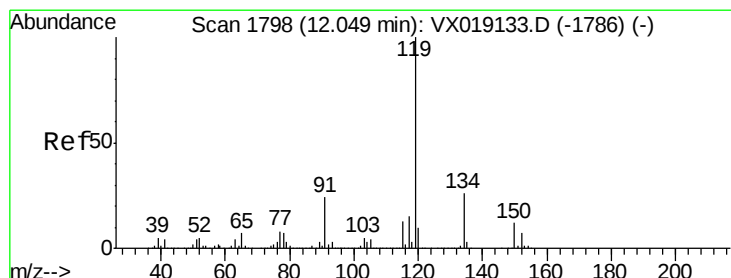
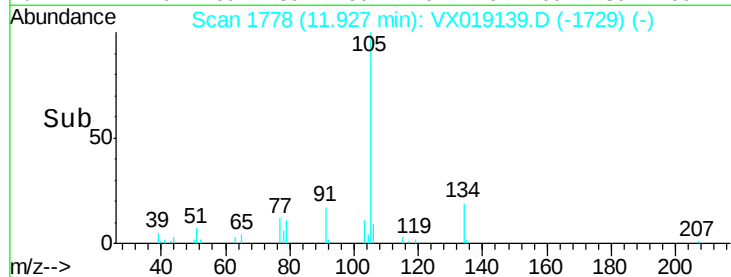
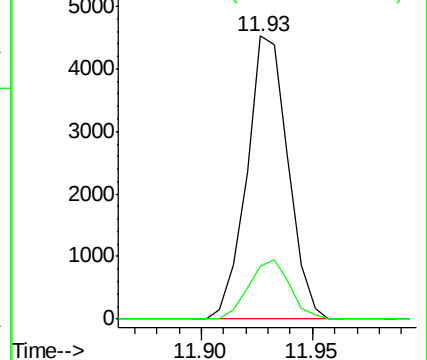
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.429 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX019139.D

Acq: 27 Oct 2020 16:26

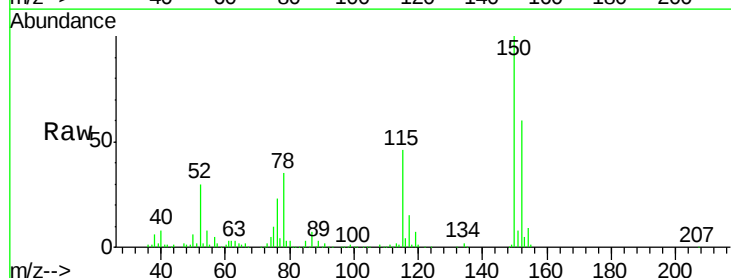
Tgt Ion:119 Resp: 5402

Ion Ratio Lower Upper

119 100

134 29.0 12.9 38.7

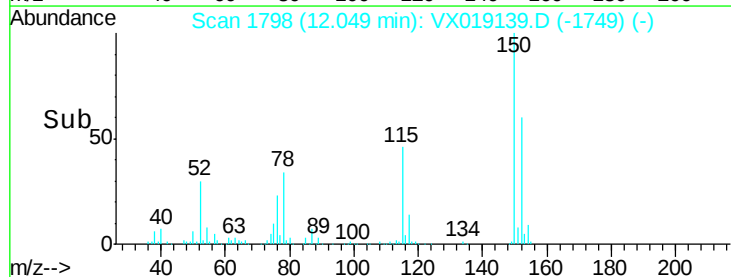
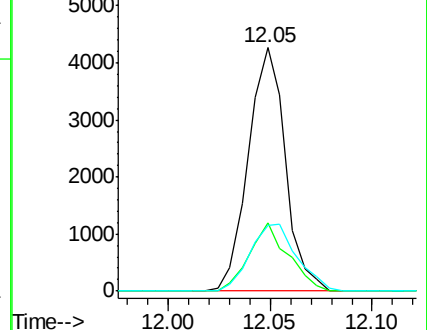
91 34.6 12.0 36.0

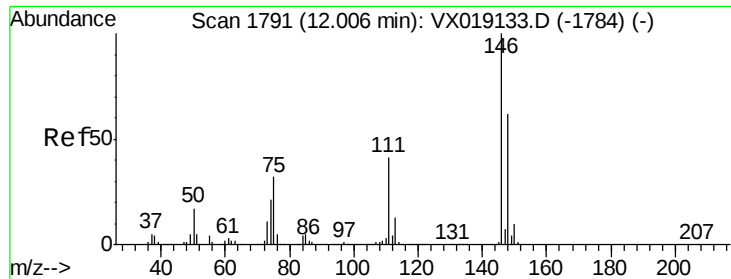


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





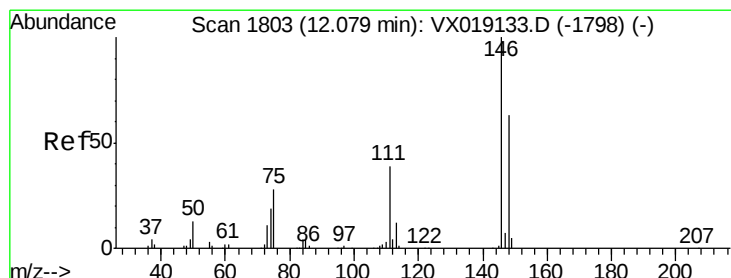
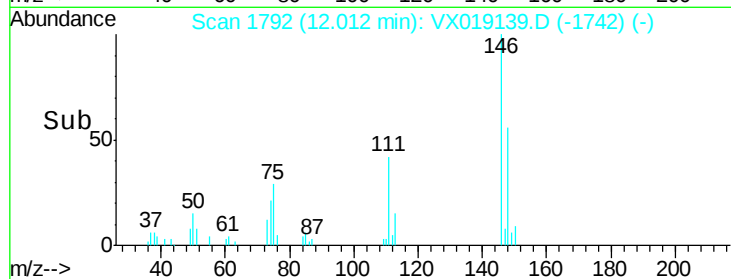
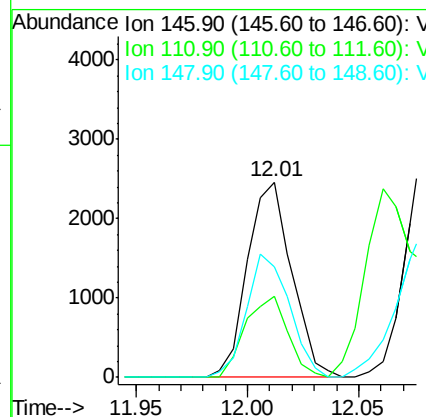
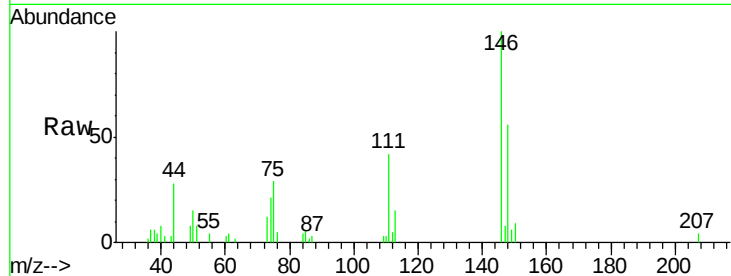
#87
 1,3-Dichlorobenzene
 Concen: 0.527 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX019139.D
 Acq: 27 Oct 2020 16:26

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.4	61.2
148	60.9	31.6	94.8

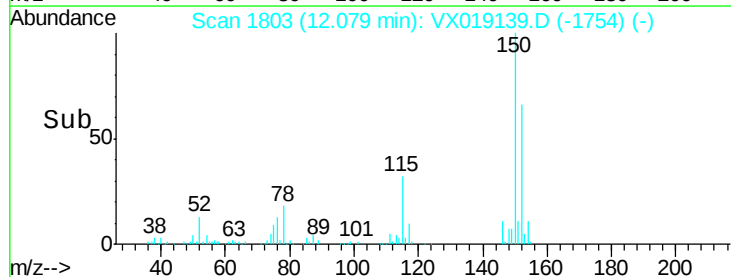
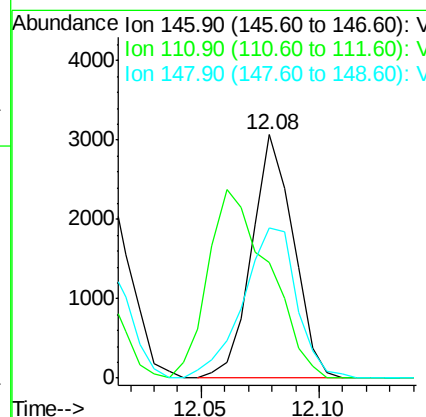
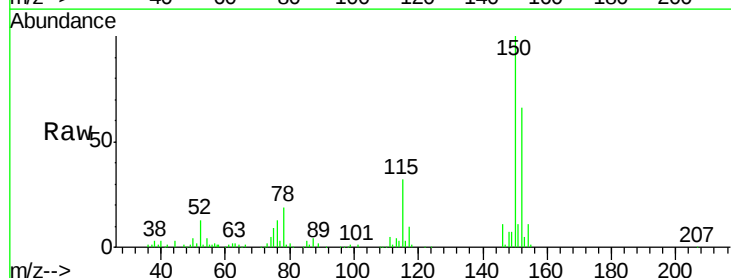
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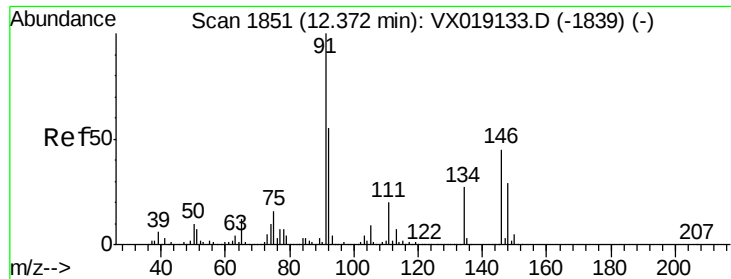
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#88
 1,4-Dichlorobenzene
 Concen: 0.555 ug/l m
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX019139.D
 Acq: 27 Oct 2020 16:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	20.2	60.5
148	55.6	31.3	93.8





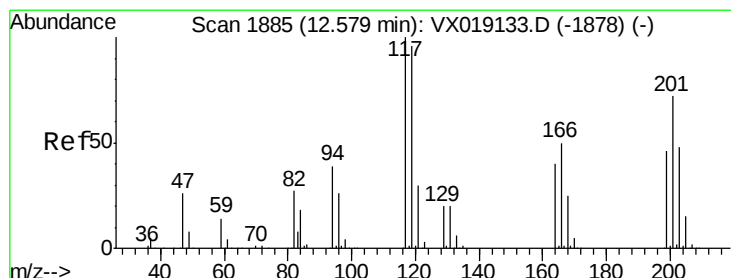
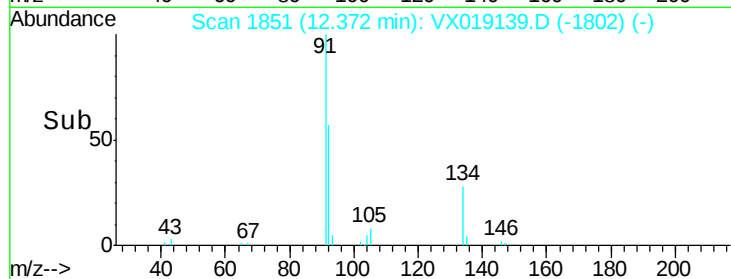
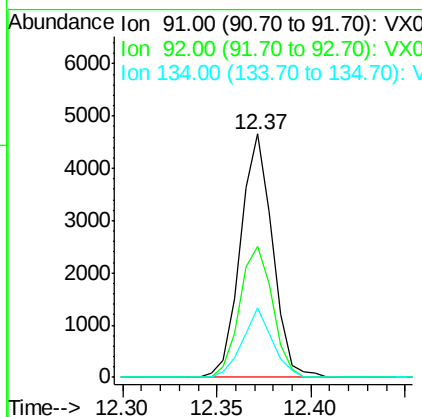
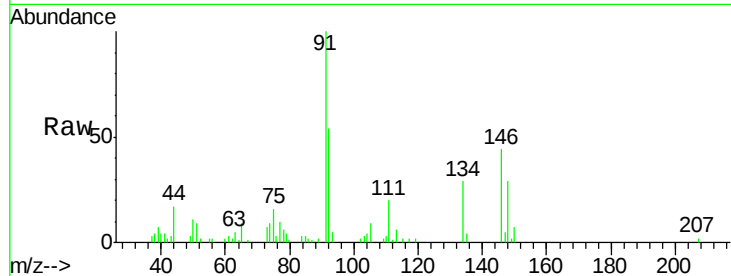
#89
n-Butylbenzene
Concen: 0.464 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.5	82.4
134	26.3	13.2	39.6

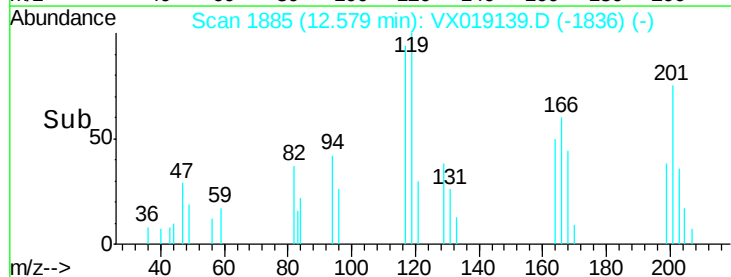
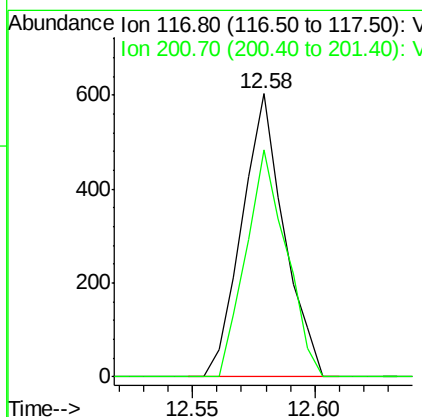
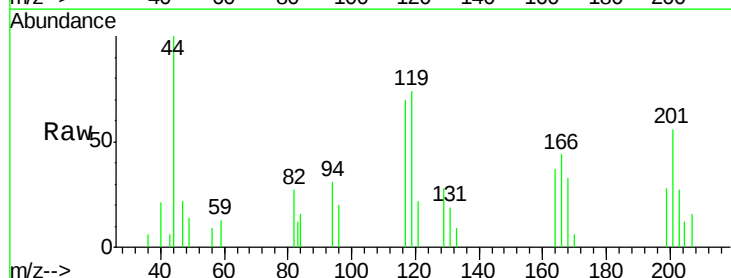
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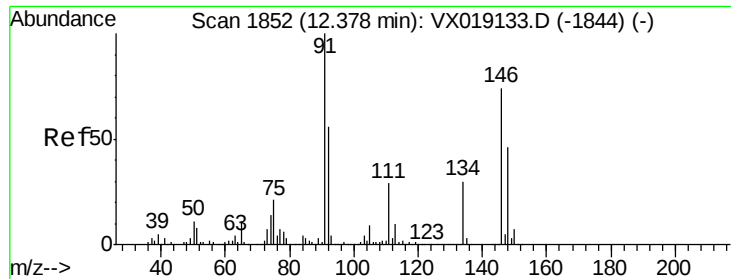
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#90
Hexachloroethane
Concen: 0.339 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.0	38.5	115.3





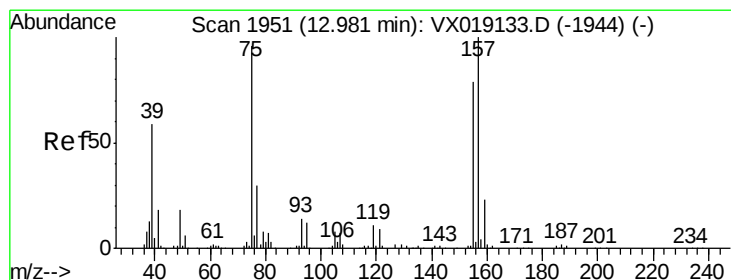
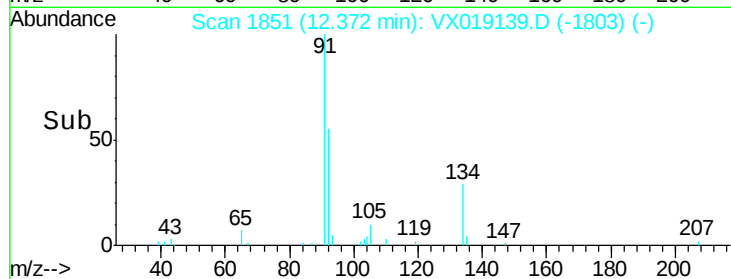
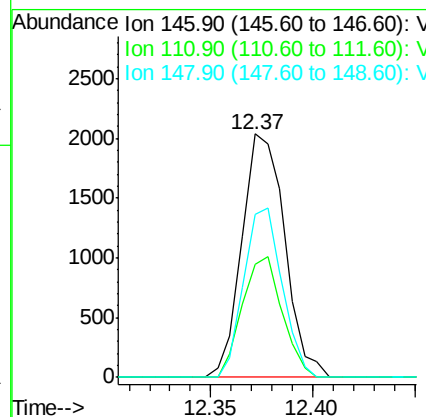
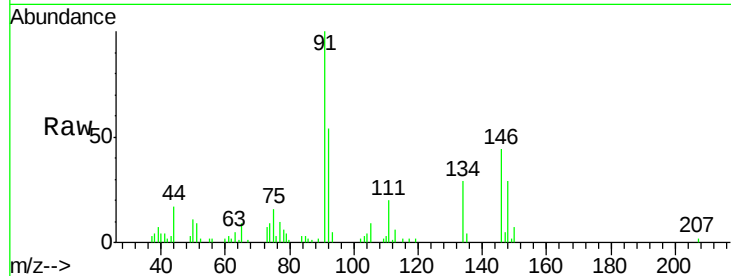
#91
 1,2-Dichlorobenzene
 Concen: 0.476 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: VX019139.D
 Acq: 27 Oct 2020 16:26

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.0	21.2	63.6
148	62.3	31.6	94.7

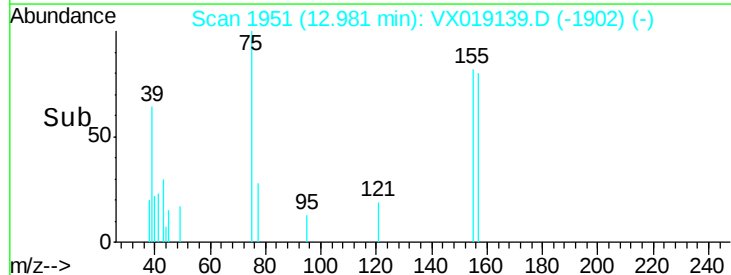
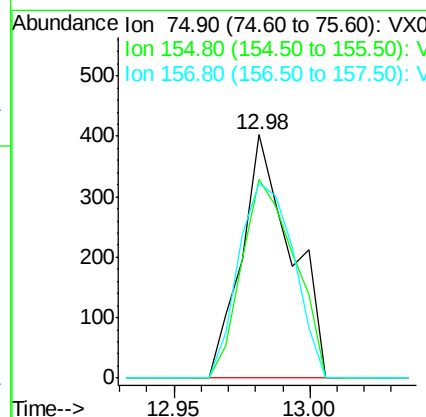
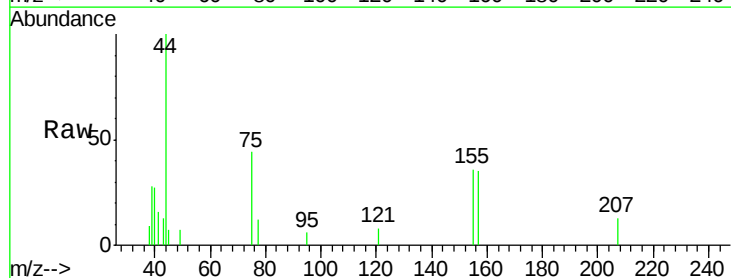
Manual Integrations
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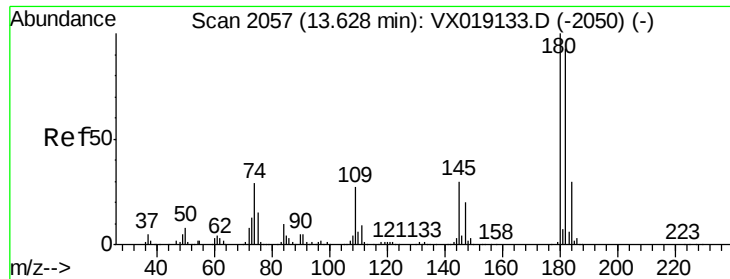
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.472 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX019139.D
 Acq: 27 Oct 2020 16:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.2	42.8	128.4
157	89.0	54.8	164.4





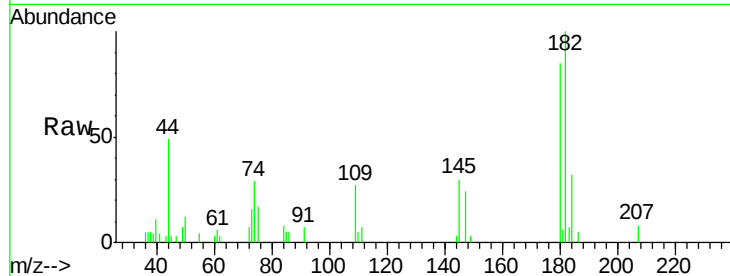
#93
1,2,4-Trichlorobenzene
Concen: 0.477 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. -0.00 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

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

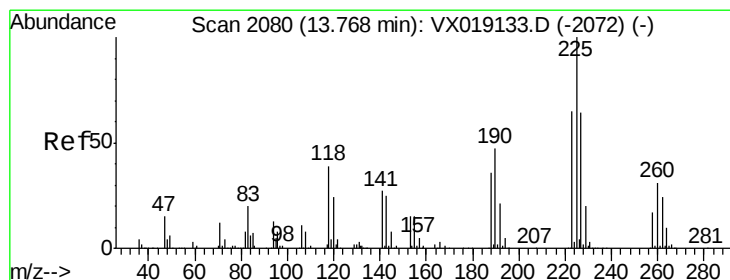
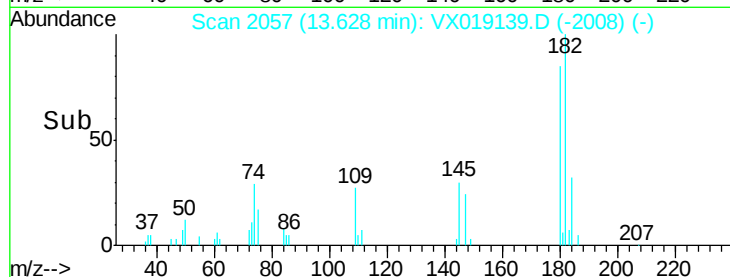
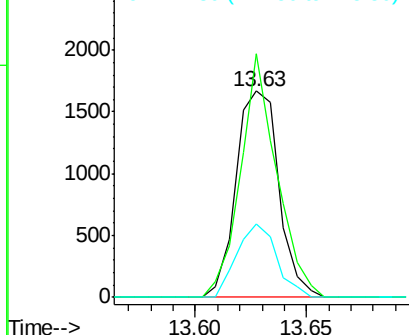
Tot Ion	Ratio	Lower	Upper
180	100		
182	99.8	46.8	140.3
145	32.9	15.5	46.5

Manual Integrations
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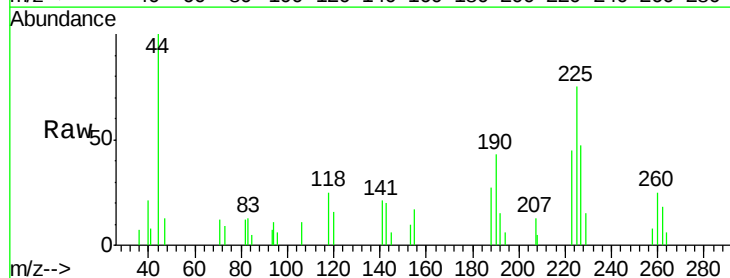


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

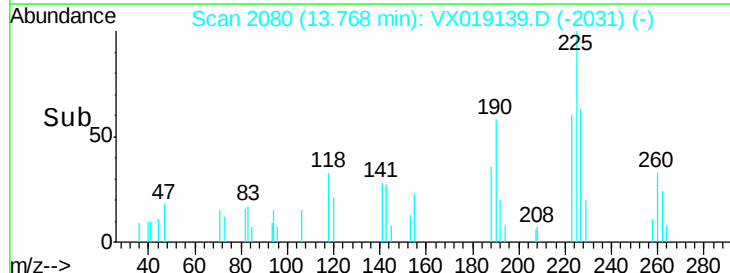
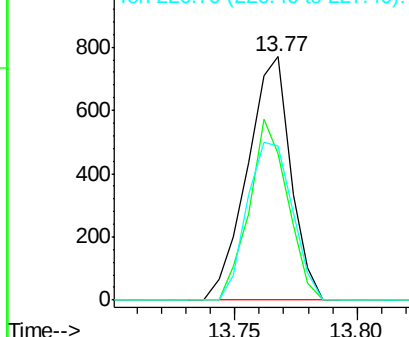


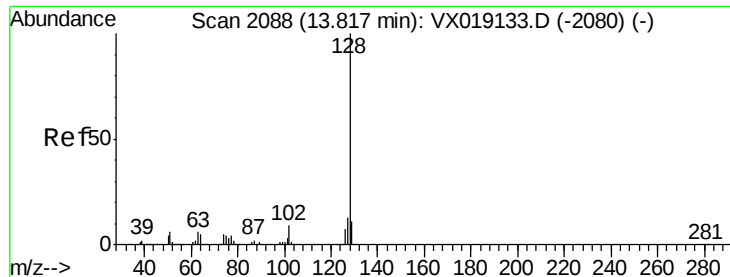
#94
Hexachlorobutadiene
Concen: 0.464 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.3	32.4	97.2
227	67.4	31.6	94.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





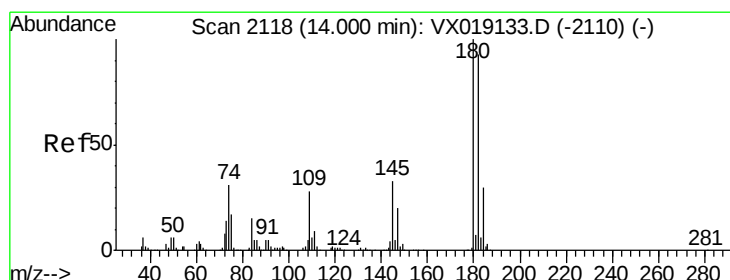
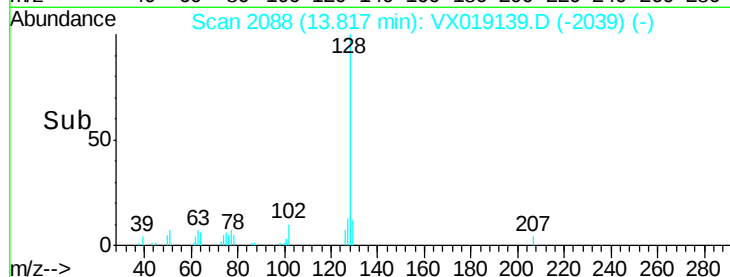
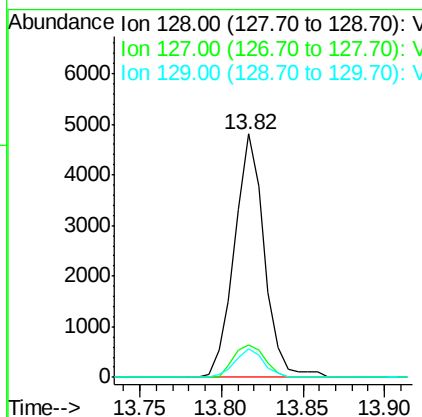
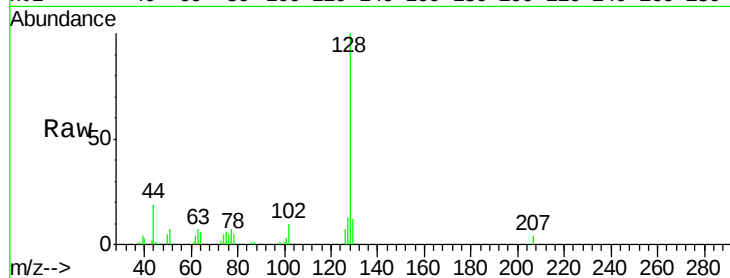
#95
Naphthalene
Concen: 0.415 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.3	15.5
129	11.2	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 0.432 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VX019139.D
Acq: 27 Oct 2020 16:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.5	47.8	143.3
145	40.1	16.5	49.5

