

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050120\
 Data File : VX016009.D
 Acq On : 01 May 2020 14:23
 Operator : JC/SP
 Sample : L2182-09 2.5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 MDL-WATER-03-QT2-2020DL

Manual Integrations
 APPROVED

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 5/4/2020 2:19:57 PM

Quant Time: May 02 07:30:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:42:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	49660	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	274727	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	248457	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	114851	30.09	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.30%
60) 4-Bromofluorobenzene	11.12	95	120433	28.90	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.33%
63) Toluene-d8	8.70	98	326262	30.61	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	5876	1.718 ug/l	98
3) Chloromethane	1.31	50	7634	2.278 ug/l	96
4) Vinyl Chloride	1.39	62	9309	2.445 ug/l	98
5) Bromomethane	1.63	94	6608	2.831 ug/l	95
6) Chloroethane	1.72	64	5961	2.388 ug/l	95
7) Trichlorofluoromethane	1.92	101	12398	2.273 ug/l	100
8) Diethyl Ether	2.17	74	5701	2.619 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	7286	2.587 ug/l	97
10) 1,1-Dichloroethene	2.36	96	7440	2.618 ug/l	93
11) Methyl Iodide	2.49	142	9102	2.346 ug/l	92
12) Methyl Acetate	2.75	43	11714	2.361 ug/l	98
13) Acrolein	2.27	56	5587	14.047 ug/l	97
14) Acrylonitrile	3.12	53	23567	12.860 ug/l	99
15) Acetone	2.42	58	7114	14.668 ug/l	87
16) Carbon Disulfide	2.55	76	24601	2.846 ug/l	96
17) Allyl chloride	2.71	41	12941	2.455 ug/l	94
18) Methylene Chloride	2.84	84	8732	2.743 ug/l	94
19) trans-1,2-Dichloroethene	3.14	96	8206	2.640 ug/l	94
20) Diisopropyl ether	3.83	45	24893	2.449 ug/l	99
21) 1,1-Dichloroethane	3.67	63	14300	2.523 ug/l	97
22) cis-1,2-Dichloroethene	4.56	96	9247	2.622 ug/l	97
23) tert-Butyl Alcohol	3.01	59	11891	13.255 ug/l #	100
24) Methyl tert-Butyl Ether	3.17	73	25023	2.452 ug/l	99
25) Chloroform	5.18	83	14229	2.472 ug/l	94
26) Cyclohexane	5.55	56	12558	2.423 ug/l #	100
29) 1,1-Dichloropropene	5.77	75	10919	2.527 ug/l	98
30) 2-Butanone	4.64	43	32434	12.598 ug/l	97
31) 2,2-Dichloropropane	4.56	77	12919	2.484 ug/l #	88
32) 1,1,1-Trichloroethane	5.47	97	13238	2.526 ug/l	98
33) Carbon Tetrachloride	5.76	117	11170	2.393 ug/l	96
34) Benzene	6.12	78	31514	2.497 ug/l	98
35) Methacrylonitrile	5.00	41	6441	2.356 ug/l	96
36) 1,2-Dichloroethane	6.17	62	12331	2.558 ug/l #	87
37) Trichloroethene	7.19	130	11602	2.584 ug/l	99
38) Methylcyclohexane	7.44	83	12964	2.455 ug/l	99
39) 1,2-Dichloropropane	7.49	63	7859	2.426 ug/l	93
40) Dibromomethane	7.64	93	5732	2.548 ug/l	97

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:42:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	10660	2.299	ug/l	98
42) Vinyl Acetate	3.79	43	101833	11.955	ug/l	99
43) Ethyl Acetate	4.80	43	13055	2.571	ug/l #	87
44) Isopropyl Acetate	6.42	43	20262	2.459	ug/l	97
45) 1,4-Dioxane	7.72	88	4566	52.450	ug/l #	93
46) Methyl methacrylate	7.75	41	8776	2.246	ug/l	97
47) n-amyl Acetate	10.88	43	16205	2.249	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	12662	2.351	ug/l	100
49) cis-1,3-Dichloropropene	8.42	75	13075	2.350	ug/l	96
50) 1,1,2-Trichloroethane	9.20	97	7674	2.421	ug/l	96
51) Ethyl methacrylate	9.16	69	11437	2.185	ug/l	95
52) 1,3-Dichloropropane	9.35	76	13118	2.394	ug/l	95
53) Dibromochloromethane	9.57	129	7983	2.213	ug/l	99
54) 1,2-Dibromoethane	9.65	107	8480	2.434	ug/l	95
55) 2-Chloroethyl vinyl ether	8.29	63	31038	10.899	ug/l	99
56) Bromoform	10.84	173	5449	2.005	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	60328	12.313	ug/l	99
59) 2-Hexanone	9.48	43	46656	12.328	ug/l	100
61) Tetrachloroethene	9.32	164	13482	2.743	ug/l	94
62) Toluene	8.76	91	33189	2.500	ug/l	100
64) Chlorobenzene	10.12	112	21221	2.511	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	7184	2.239	ug/l	93
66) Ethyl Benzene	10.24	91	36207	2.395	ug/l	97
67) m/p-Xylenes	10.34	106	27173	4.719	ug/l	98
68) o-Xylene	10.68	106	13401	2.413	ug/l	98
69) Styrene	10.70	104	21544	2.267	ug/l	98
70) Isopropylbenzene	11.01	105	35960	2.399	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	5400	1.938	ug/l	95
72) 1,2,3-Trichloropropane	11.28	75	11505m	2.549	ug/l	
73) Bromobenzene	11.24	156	9106	2.410	ug/l	98
74) n-propylbenzene	11.35	91	41176	2.365	ug/l	99
75) 2-Chlorotoluene	11.40	91	24620	2.406	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	29085	2.286	ug/l	100
77) t-1,4-Dichloro-2-butene	11.06	75	4309	2.220	ug/l	94
78) 4-Chlorotoluene	11.49	91	28680	2.368	ug/l	98
79) tert-butylbenzene	11.76	119	25001	2.300	ug/l	97
80) 1,2,4-Trimethylbenzene	11.79	105	29398	2.312	ug/l	99
81) sec-Butylbenzene	11.93	105	33612	2.293	ug/l	99
82) p-Isopropyltoluene	12.05	119	30432	2.240	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	16566	2.432	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	16614	2.455	ug/l	99
85) n-Butylbenzene	12.37	91	27323	2.202	ug/l	99
86) Hexachloroethane	12.58	117	4721	1.974	ug/l	100
87) 1,2-Dichlorobenzene	12.38	146	15996	2.428	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	2903	2.489	ug/l	89
89) 1,2,4-Trichlorobenzene	13.63	180	11906	2.454	ug/l	99
90) Hexachlorobutadiene	13.77	225	5530	2.652	ug/l	99
91) Naphthalene	13.82	128	35898	2.324	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	11521	2.472	ug/l	95

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MDL-WATER-03-QT2-2020DL

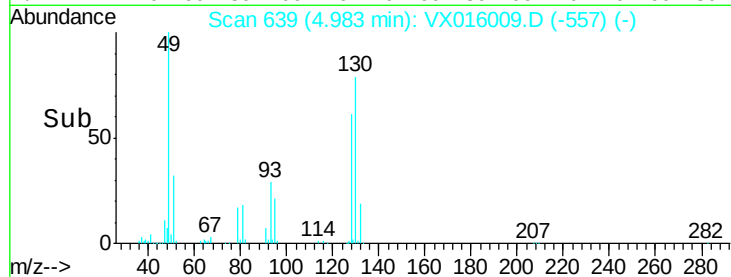
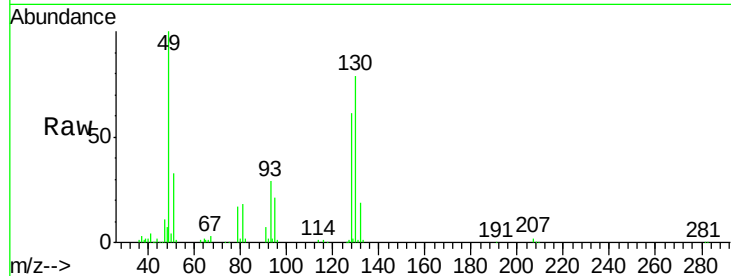
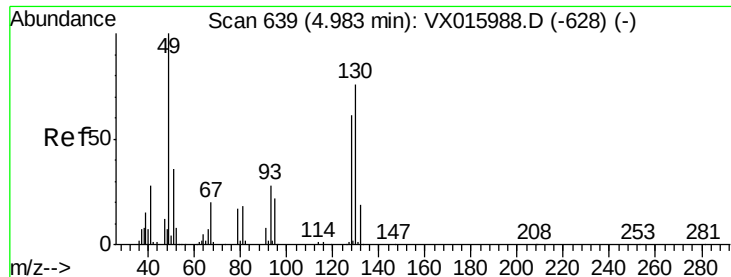
Manual Integrations
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QLast Update : Thu Apr 30 12:42:44 2020
Response via : Initial Calibration

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. 0.00 min

Lab File: VX016009.D

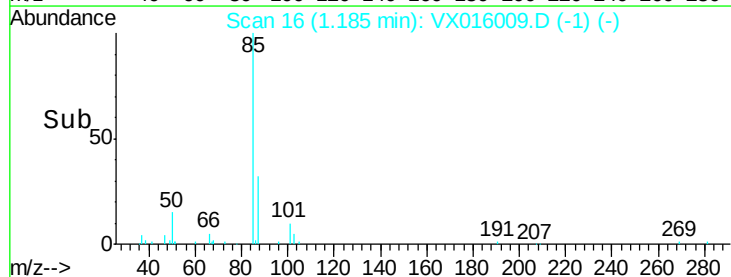
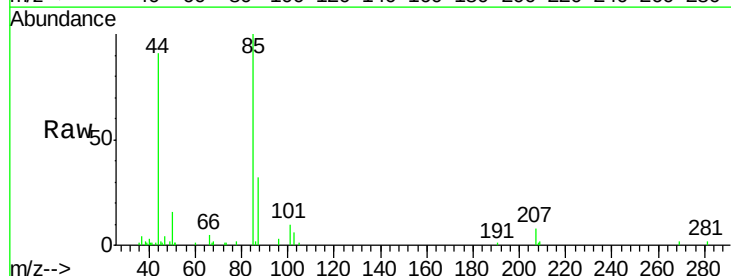
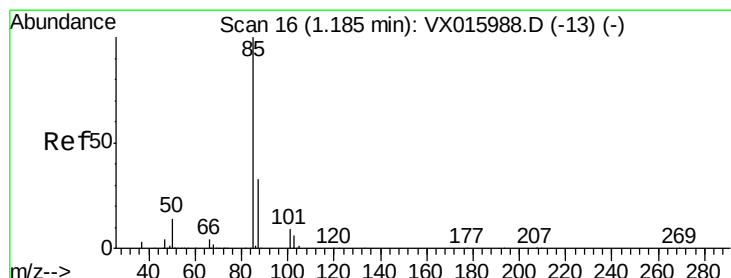
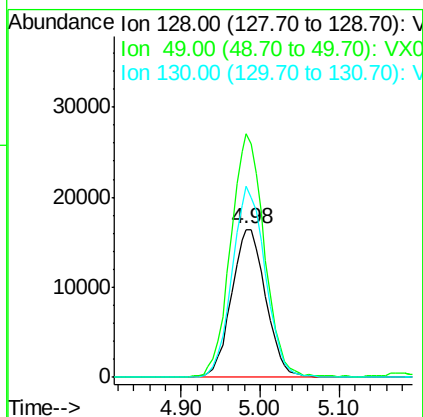
Acq: 01 May 2020 14:23

Tot Ion:	128	Resp:	49660
Ion	Ratio	Lower	Upper
128	100		
49	161.4	0.0	418.5
130	124.7	0.0	326.3

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 1.718 ug/l

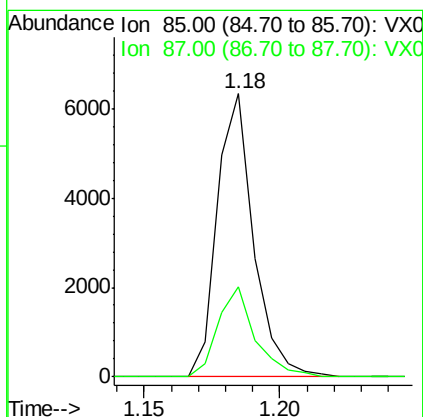
RT: 1.18 min Scan# 16

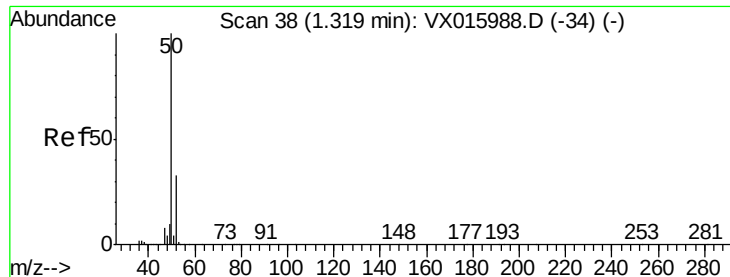
Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Tgt Ion:	85	Resp:	5876
Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.6	49.7





#3

Chloromethane

Concen: 2.278 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 50 Resp: 7634

Ion Ratio Lower Upper

50 100

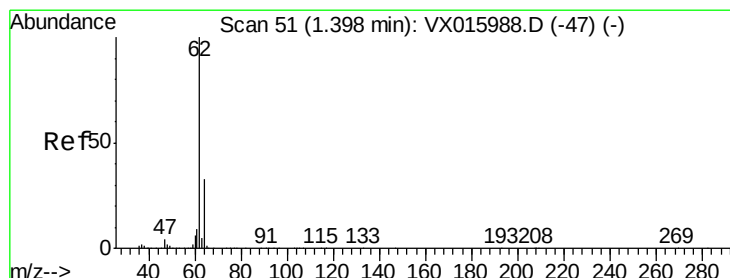
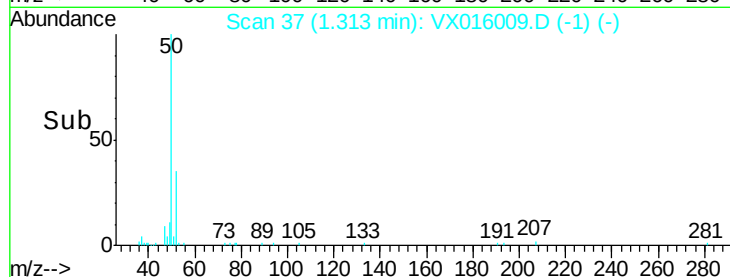
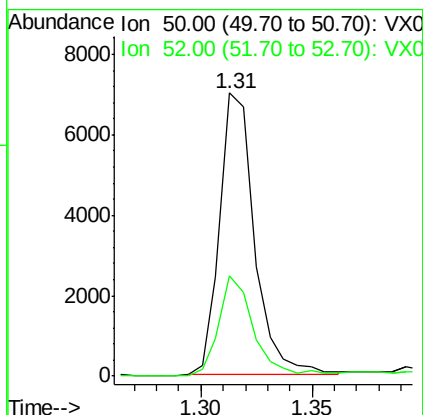
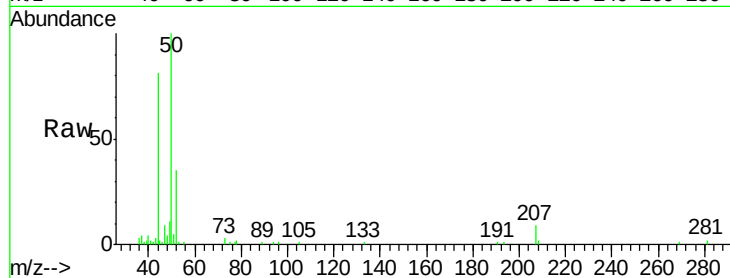
52 35.6 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 2.445 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.01 min

Lab File: VX016009.D

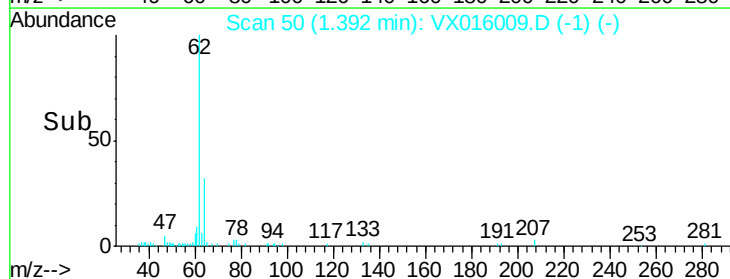
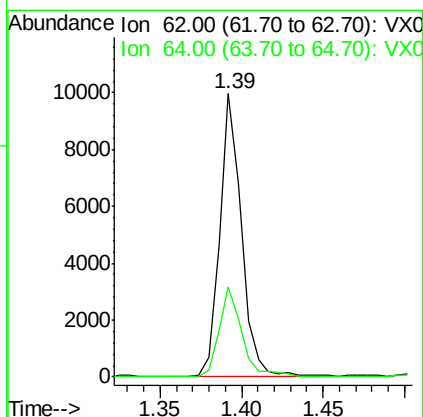
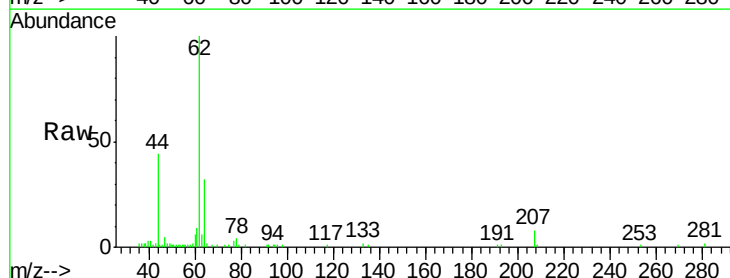
Acq: 01 May 2020 14:23

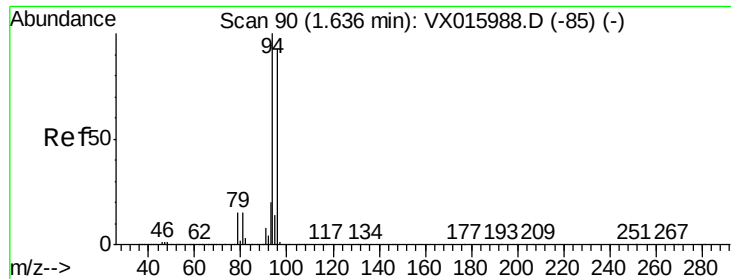
Tgt Ion: 62 Resp: 9309

Ion Ratio Lower Upper

62 100

64 31.7 26.3 39.5





#5

Bromomethane

Concen: 2.831 ug/l

RT: 1.63 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 94 Resp: 6608

Ion Ratio Lower Upper

94 100

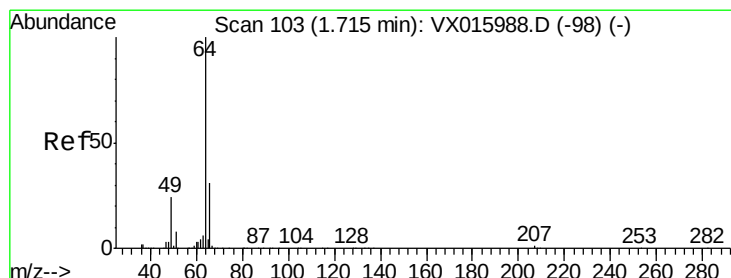
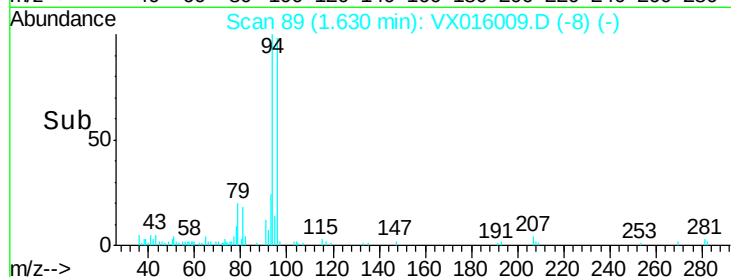
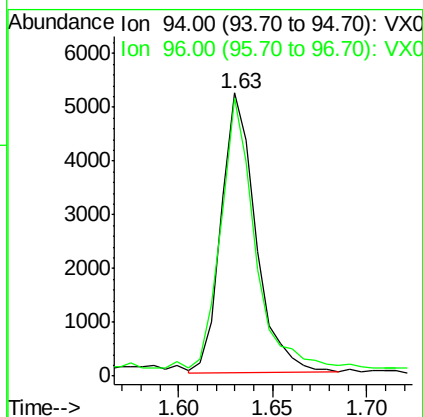
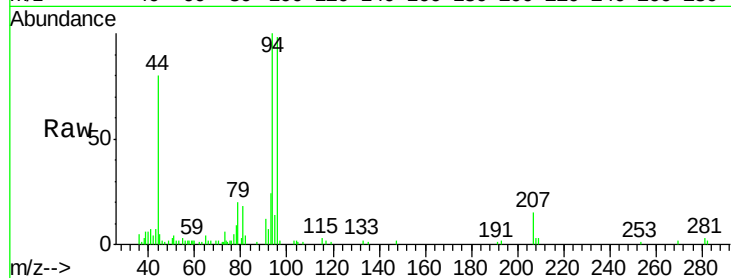
96 97.0 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 2.388 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX016009.D

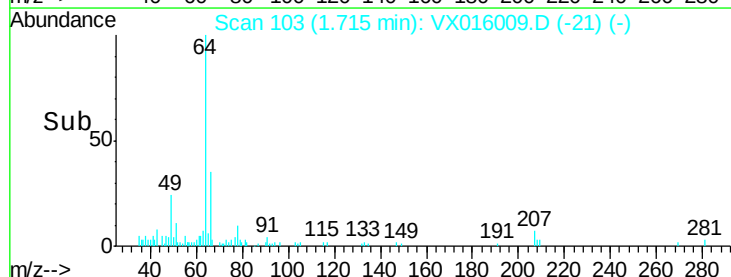
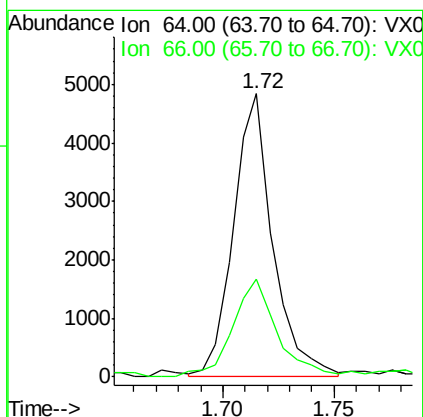
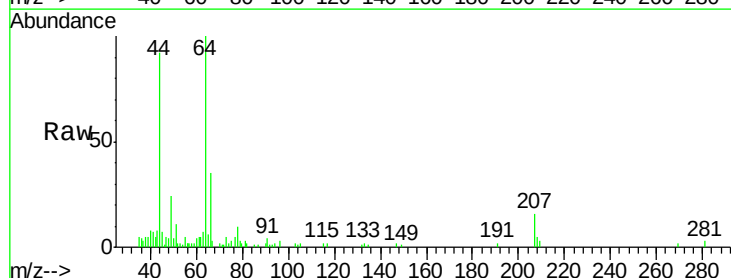
Acq: 01 May 2020 14:23

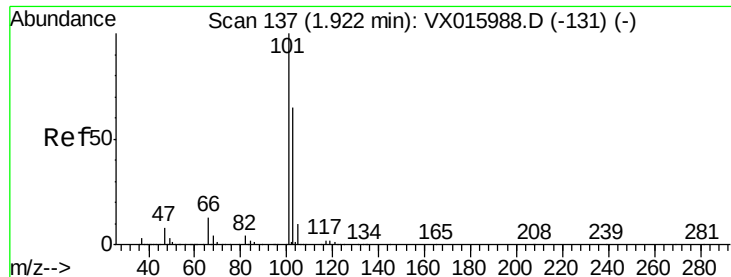
Tgt Ion: 64 Resp: 5961

Ion Ratio Lower Upper

64 100

66 33.7 24.9 37.3





#7

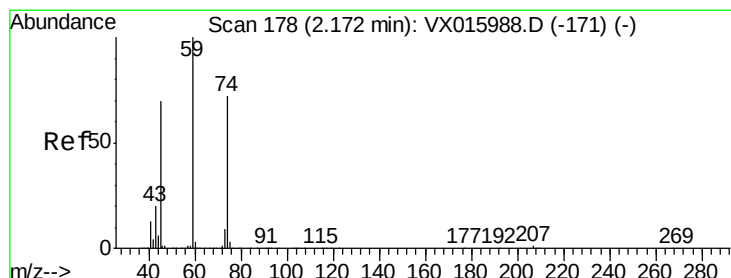
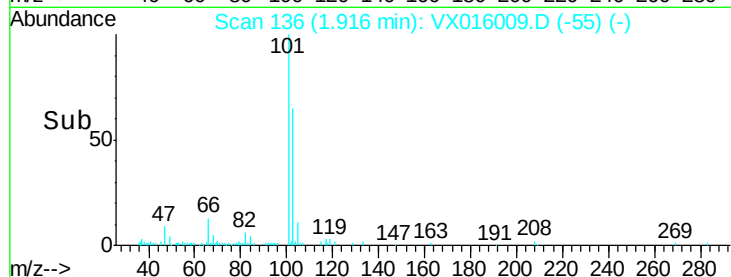
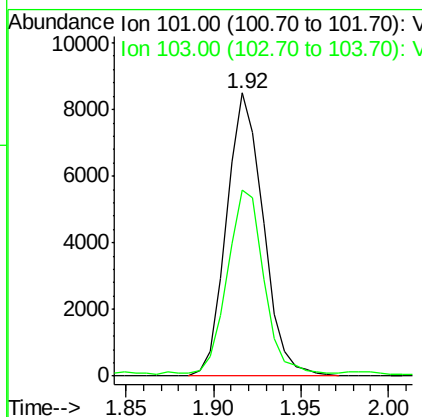
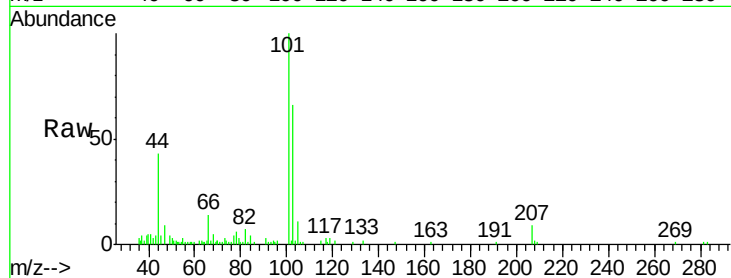
Trichlorofluoromethane
Concen: 2.273 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.01 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Instrument :
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ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.8	77.8

Manual Integrations
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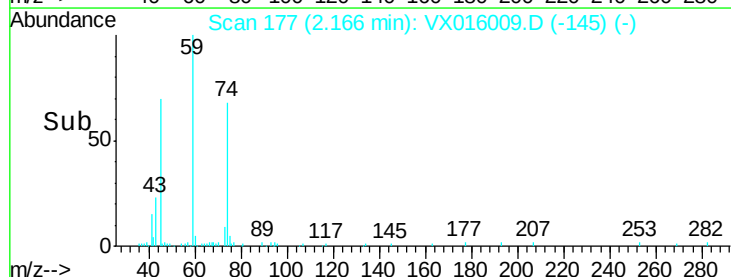
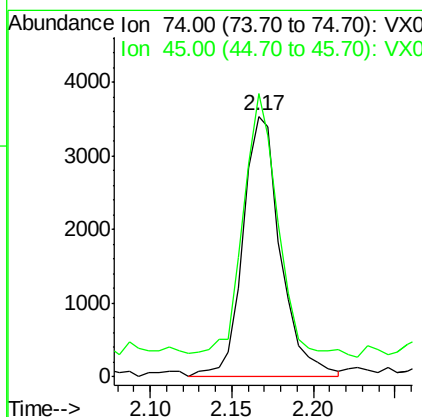
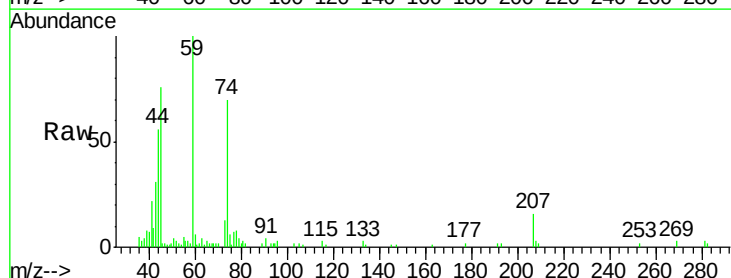
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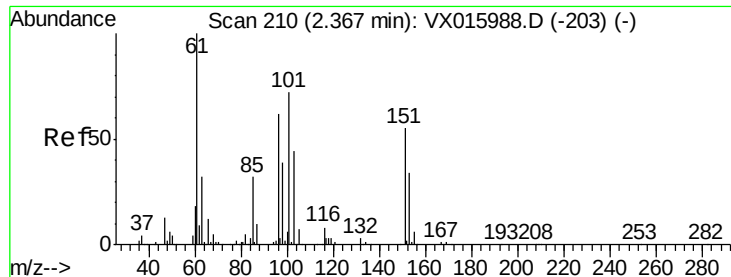


#8

Diethyl Ether
Concen: 2.619 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.01 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.2	19.4	174.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.587 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

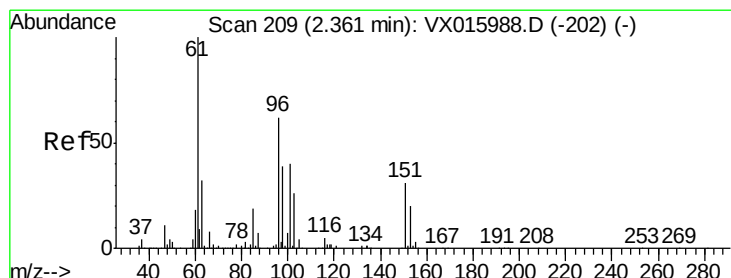
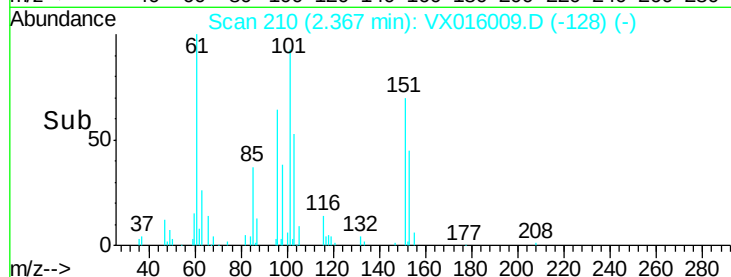
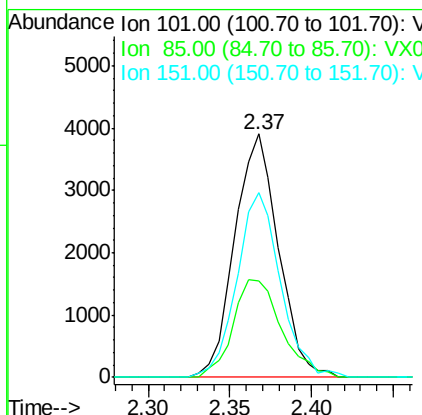
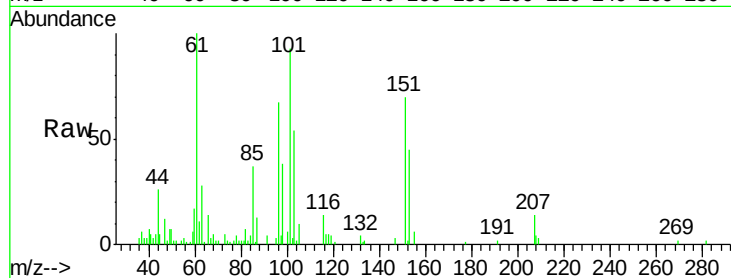
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	101	Resp:	7286
Ion Ratio	Lower	Upper	
101	100		
85	44.5	0.0	90.6
151	74.8	0.0	157.0

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#10

1,1-Dichloroethene

Concen: 2.618 ug/l

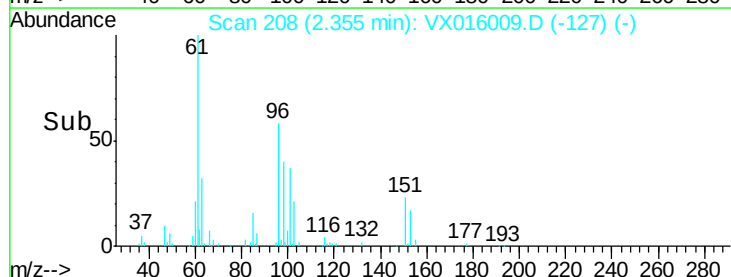
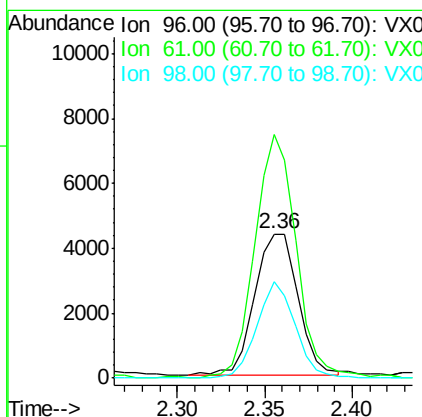
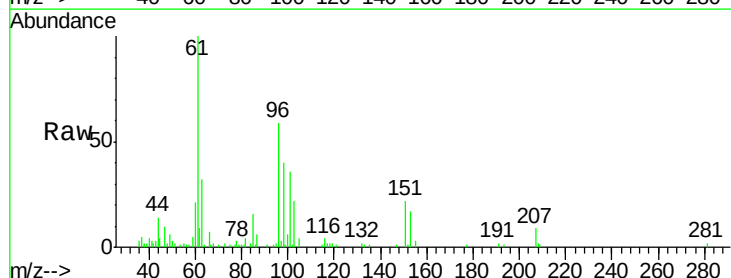
RT: 2.36 min Scan# 208

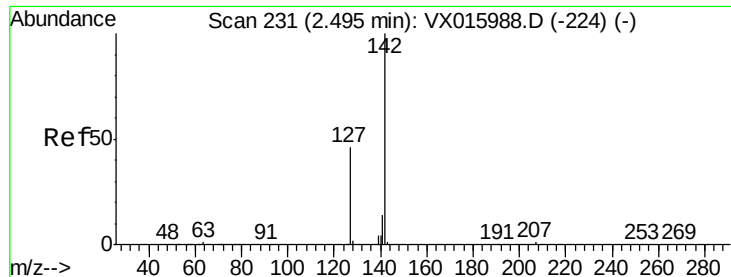
Delta R.T. -0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Tgt Ion:	96	Resp:	7440
Ion Ratio	Lower	Upper	
96	100		
61	173.0	129.8	194.8
98	68.5	51.1	76.7





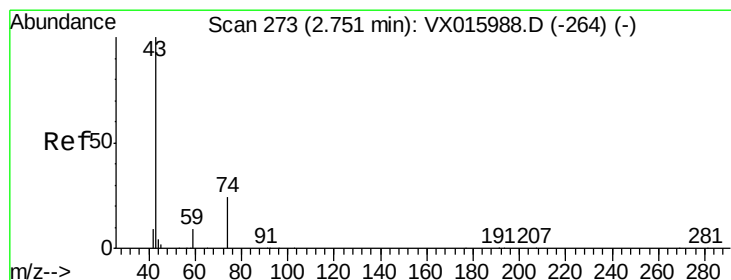
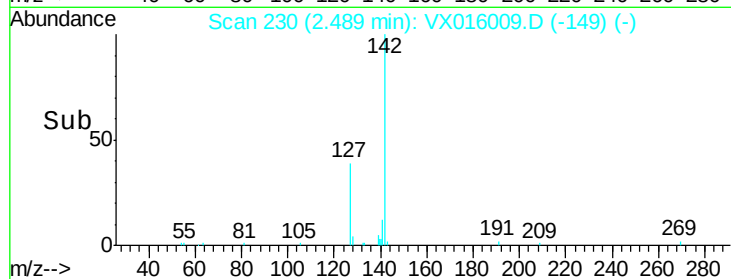
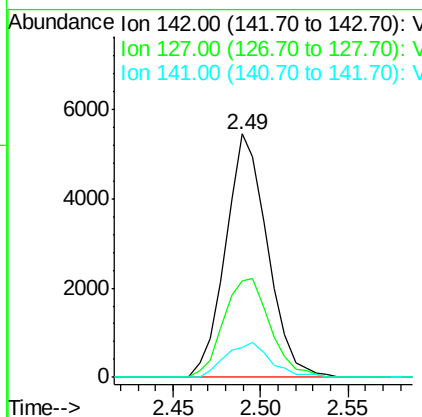
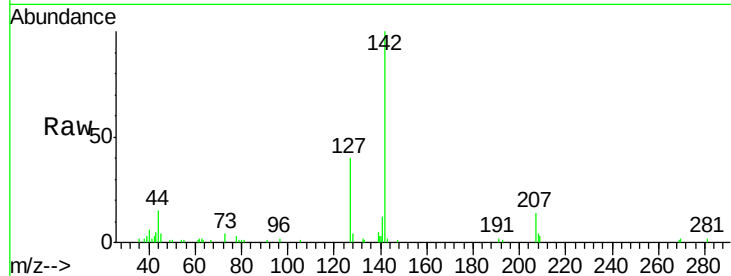
#11
Methvl Iodide
Concen: 2.346 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.01 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.6	22.8	68.4
141	12.2	7.0	21.1

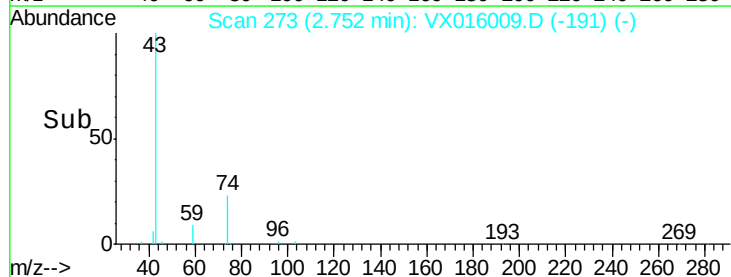
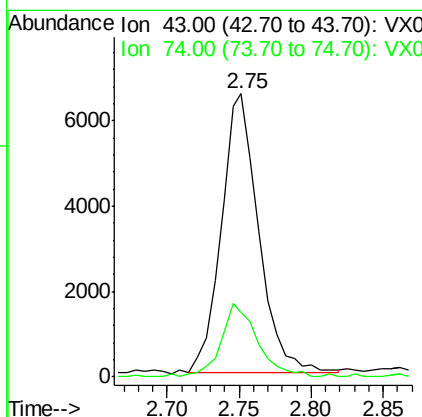
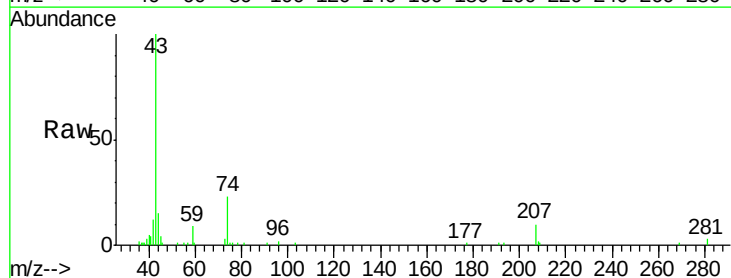
Manual Integrations
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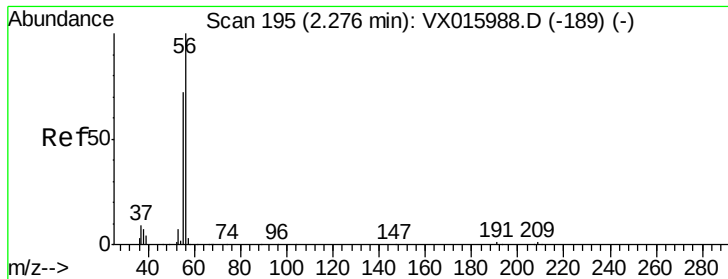
MMDadoda
5/4/2020 2:19:57 PM



#12
Methyl Acetate
Concen: 2.361 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	19.0	28.4





#13

Acrolein

Concen: 14.047 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 56 Resp: 5587

Ion Ratio Lower Upper

56 100

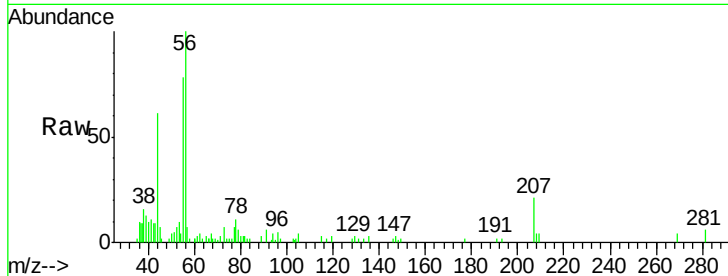
55 73.0 56.2 84.4

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.27

4000

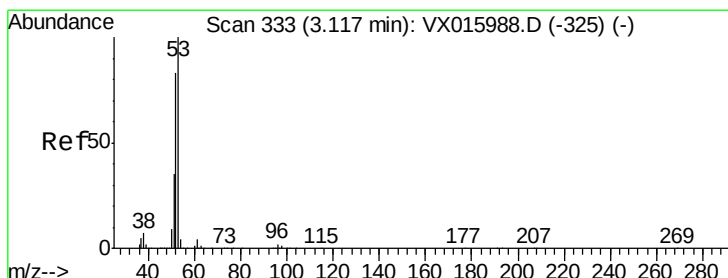
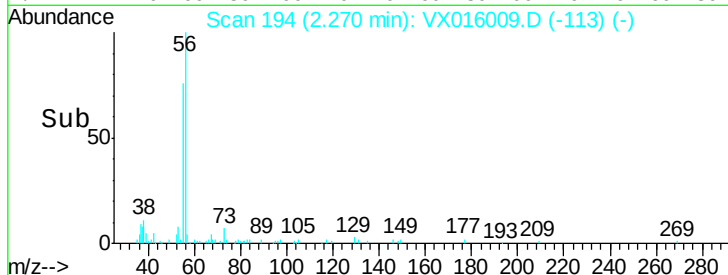
3000

2000

1000

0

Time--> 2.20 2.25 2.30



#14

Acrylonitrile

Concen: 12.860 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

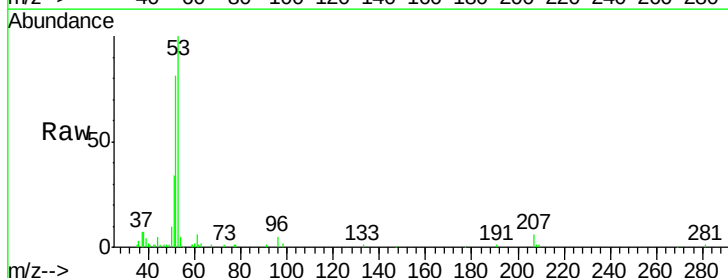
Tgt Ion: 53 Resp: 23567

Ion Ratio Lower Upper

53 100

52 80.7 41.2 123.6

51 35.9 17.8 53.5



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

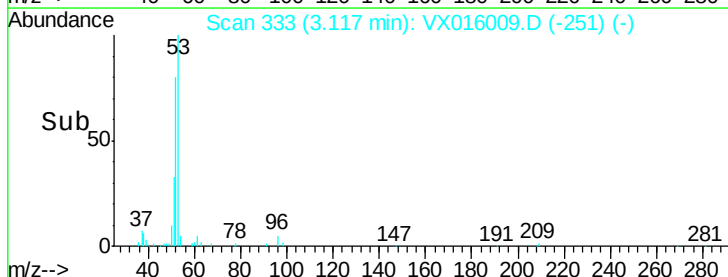
15000

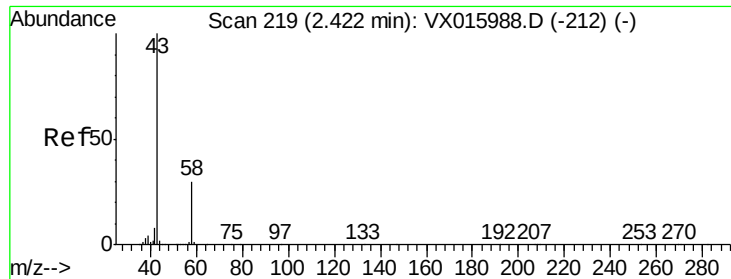
10000

5000

0

Time--> 3.05 3.10 3.15 3.20





#15

Acetone

Concen: 14.668 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 58 Resp: 7114

Ion Ratio Lower Upper

58 100

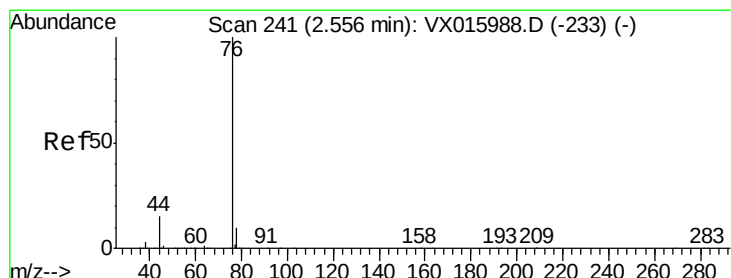
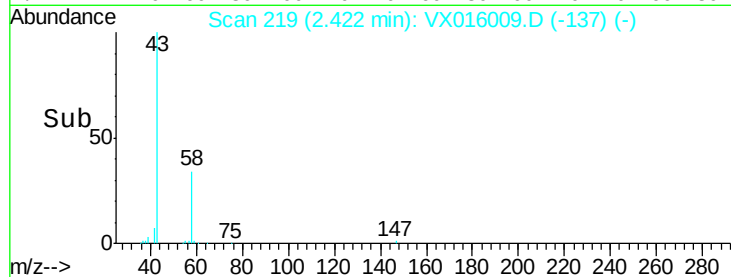
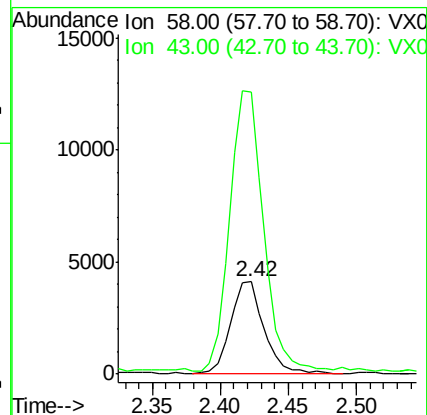
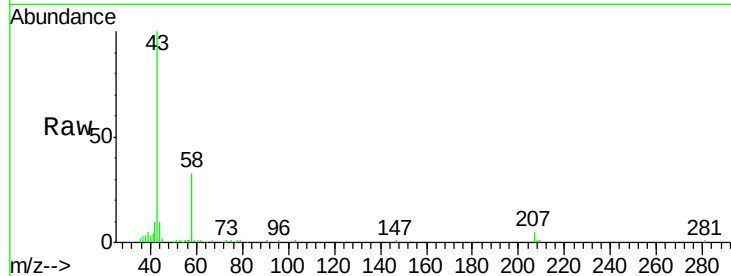
43 302.3 264.2 396.2

Manual Integrations

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#16

Carbon Disulfide

Concen: 2.846 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.01 min

Lab File: VX016009.D

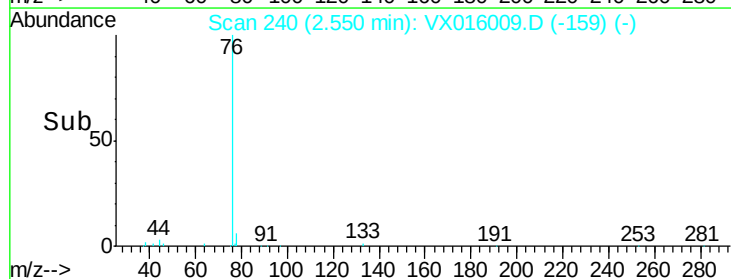
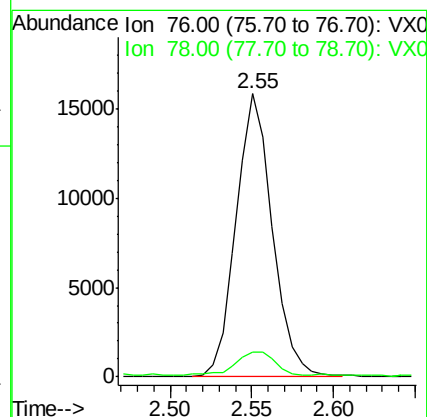
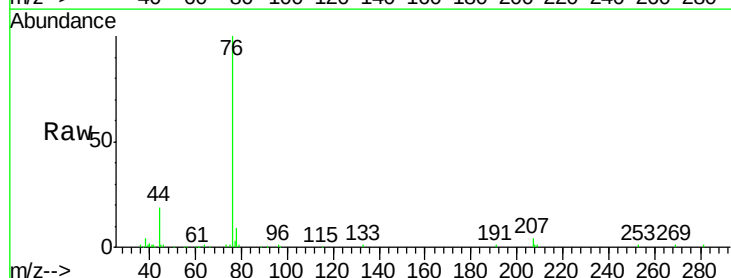
Acq: 01 May 2020 14:23

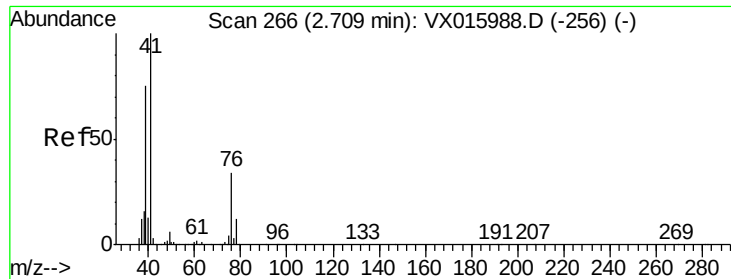
Tgt Ion: 76 Resp: 24601

Ion Ratio Lower Upper

76 100

78 8.0 7.7 11.5





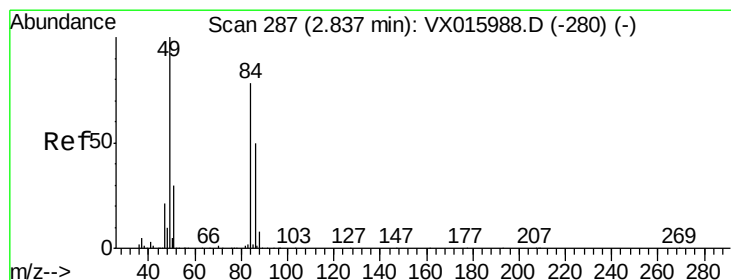
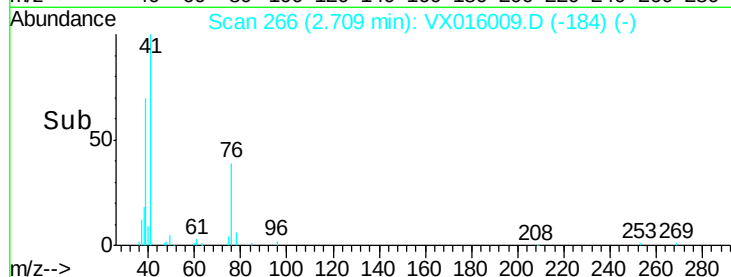
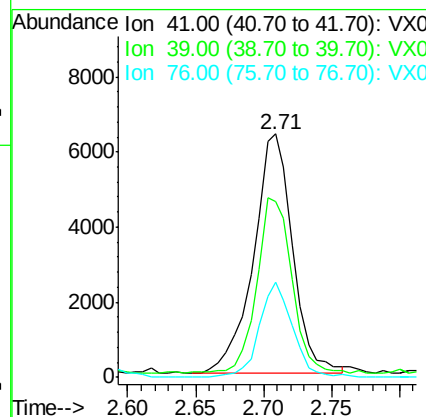
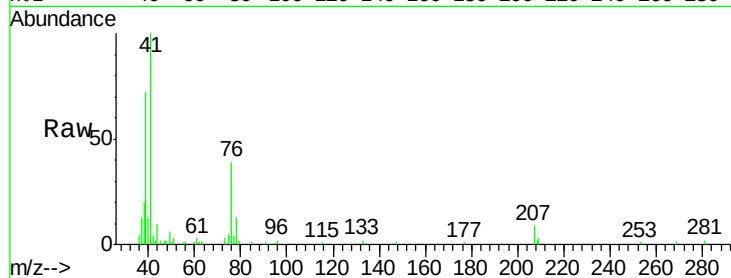
#17
Allvl chloride
Concen: 2.455 ug/l
RT: 2.71 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Resp	Lower	Upper
41	100	12941		
39	71.3		37.6	112.8
76	39.7		17.2	51.5

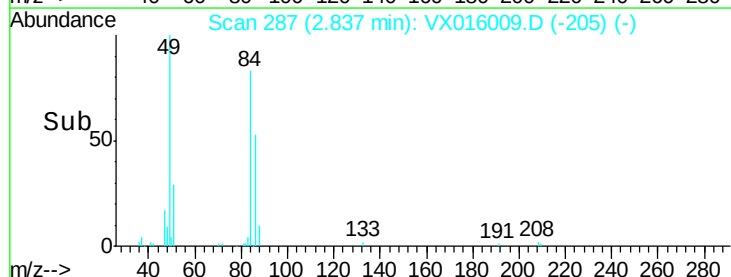
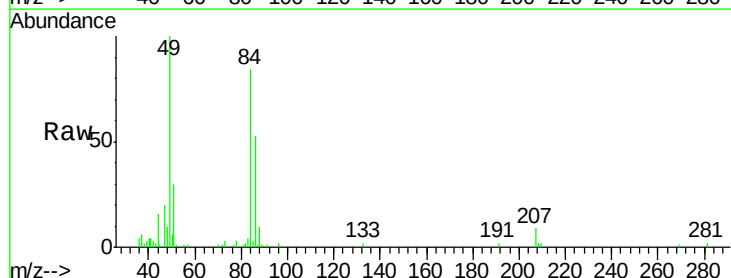
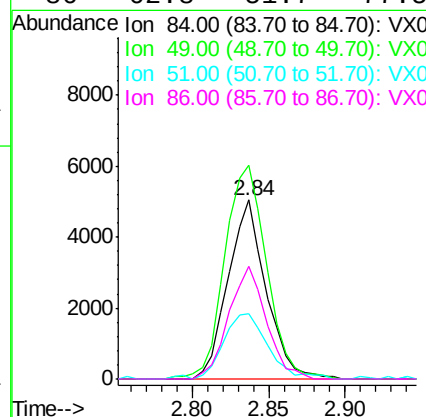
Manual Integrations
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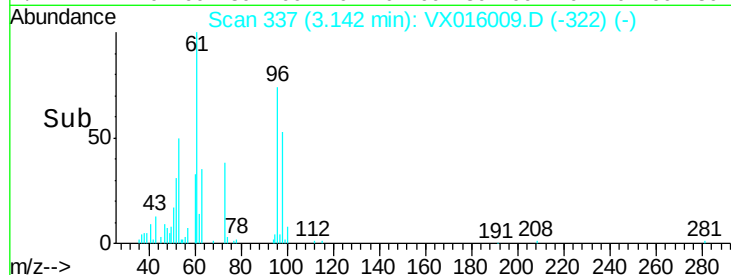
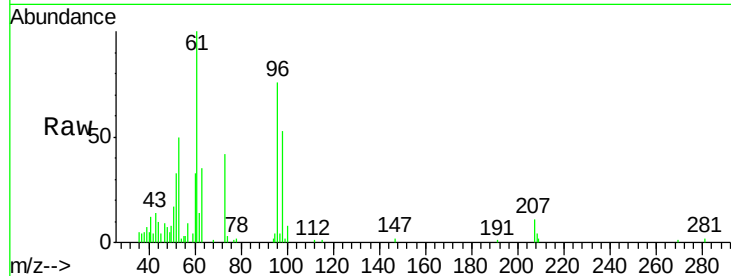
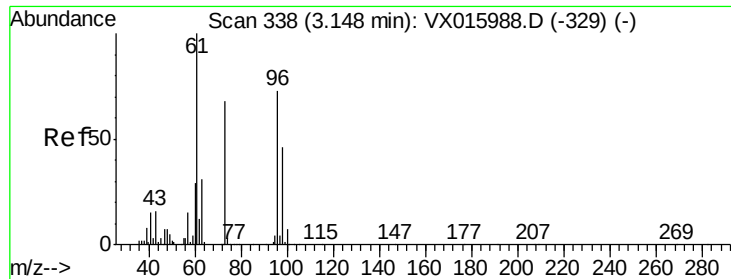
MMDadoda
5/4/2020 2:19:57 PM



#18
Methylene Chloride
Concen: 2.743 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	8732		
49	119.2		103.0	154.4
51	36.3		31.4	47.0
86	62.8		51.7	77.5





#19

trans-1,2-Dichloroethene

Concen: 2.640 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

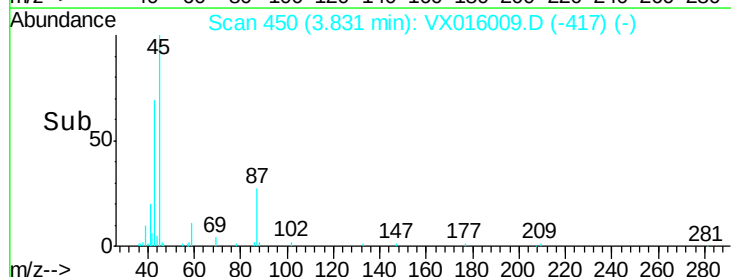
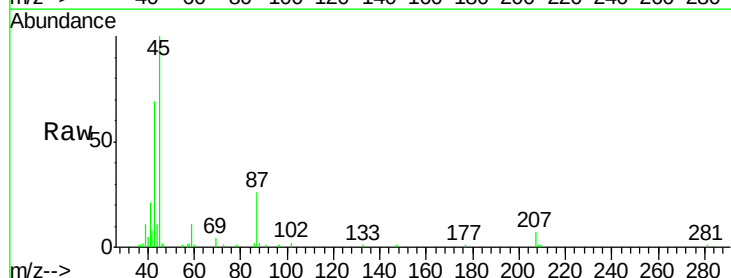
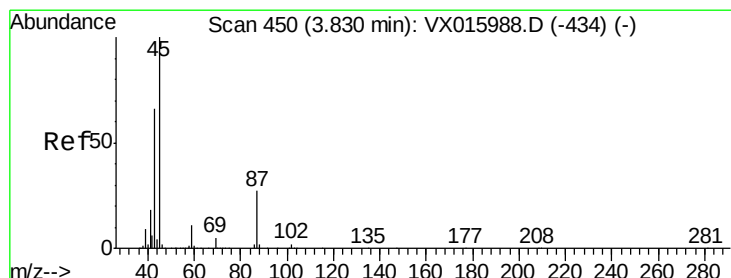
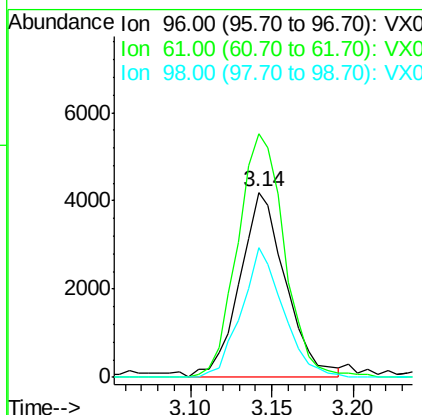
Tot Ion	Ratio	Lower	Upper
96	100		
61	131.6	109.0	163.4
98	70.1	50.0	75.0

Instrument : MSVOA_X

ClientSampleId : MDL-WATER-03-QT2-2020DL

Manual Integrations
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MMDadoda
5/4/2020 2:19:57 PM



#20

Diisopropyl ether

Concen: 2.449 ug/l

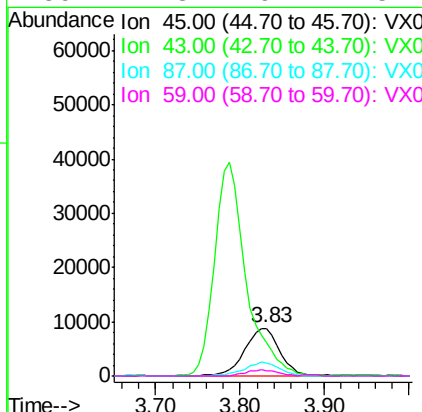
RT: 3.83 min Scan# 450

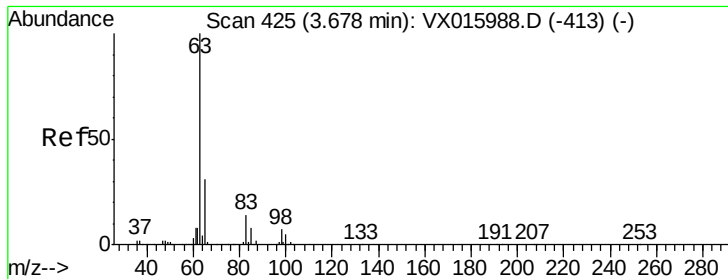
Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.0	53.0	79.4
87	26.4	21.9	32.9
59	11.3	9.1	13.7





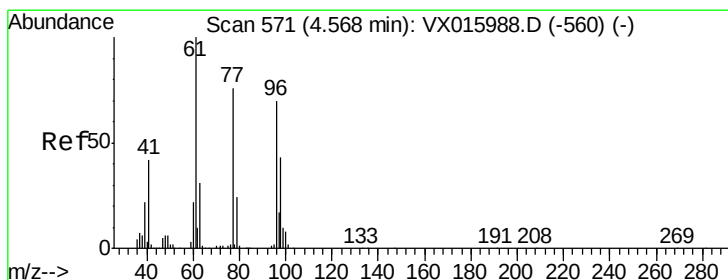
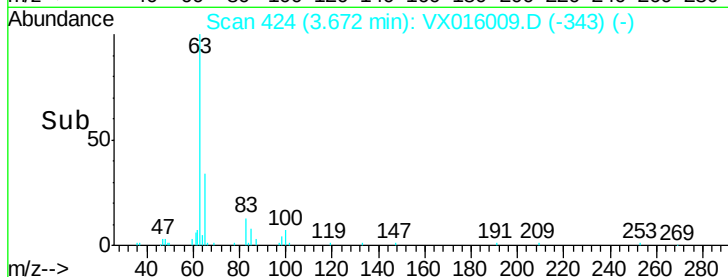
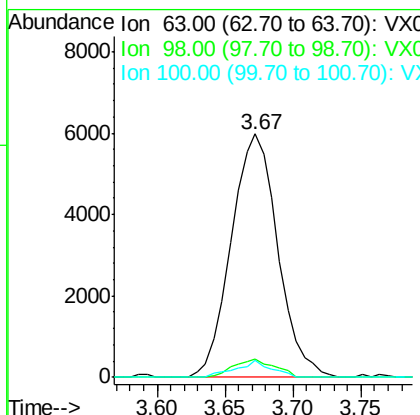
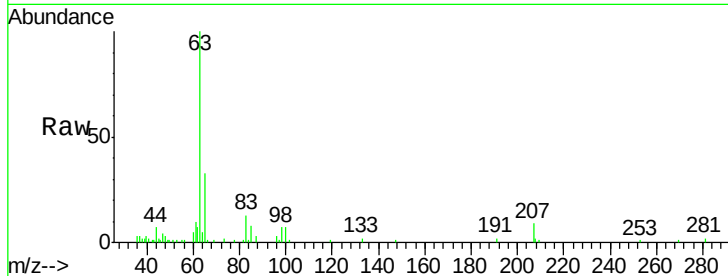
#21
1,1-Dichloroethane
Concen: 2.523 ug/l
RT: 3.67 min Scan# 424
Delta R.T. -0.01 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion:	63	Resp:	14300
Ion Ratio	Lower	Upper	
63	100		
98	7.3	3.5	10.4
100	6.8	2.3	6.9

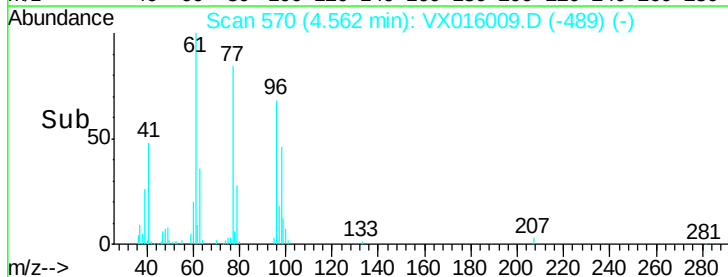
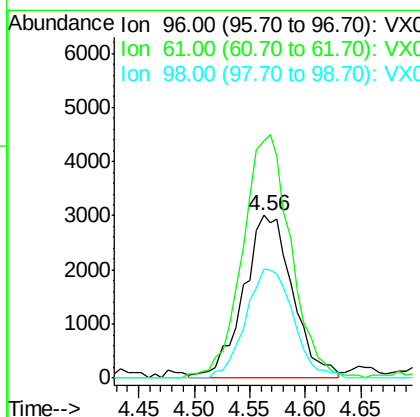
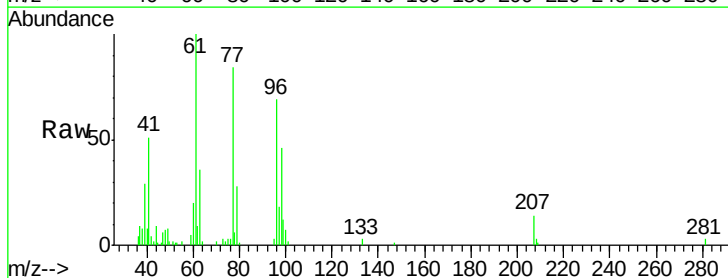
Manual Integrations
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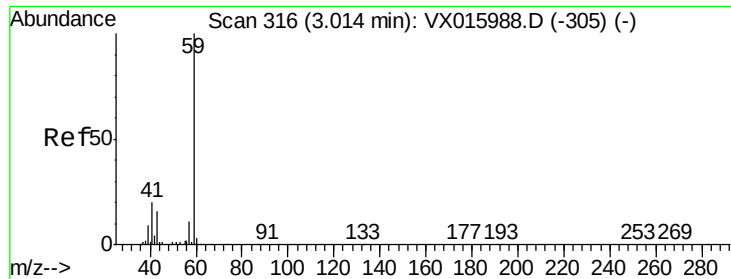
MMDadoda
5/4/2020 2:19:57 PM



#22
cis-1,2-Dichloroethene
Concen: 2.622 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion:	96	Resp:	9247
Ion Ratio	Lower	Upper	
96	100		
61	146.3	121.6	182.4
98	64.5	51.9	77.9





#23

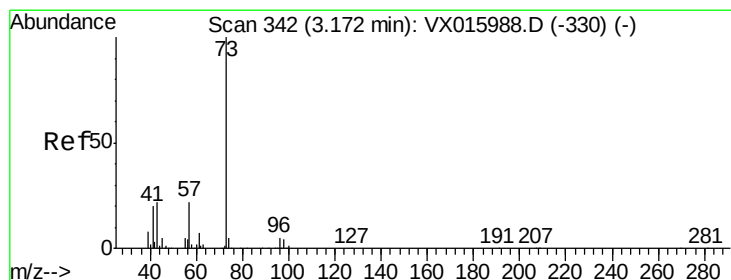
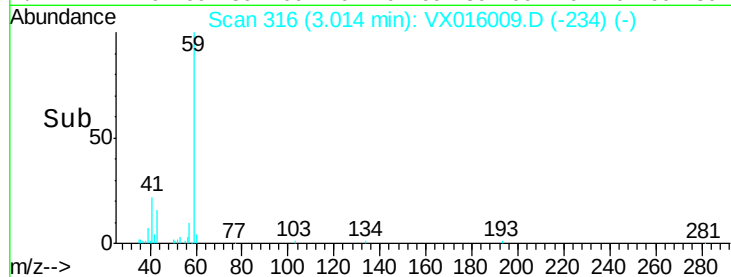
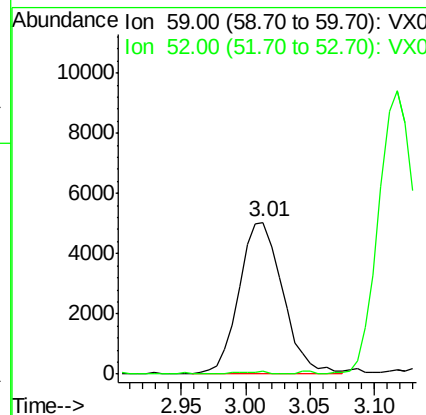
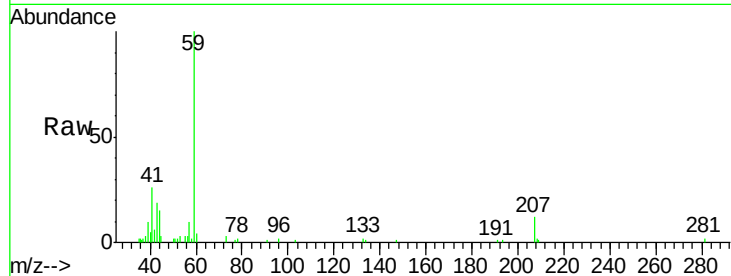
tert-Butyl Alcohol
Concen: 13.255 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.5	0.1	0.1#

Manual Integrations
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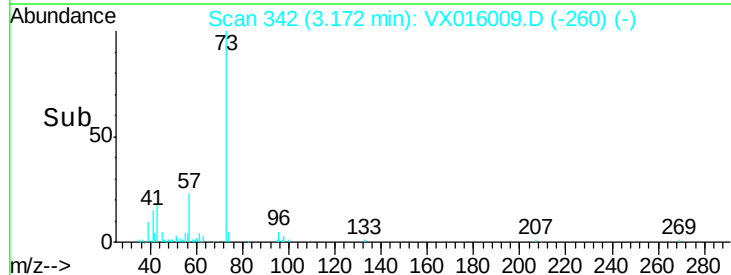
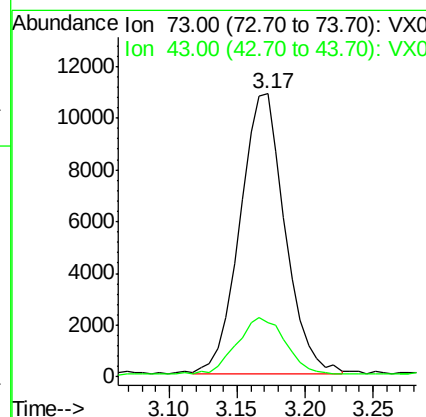
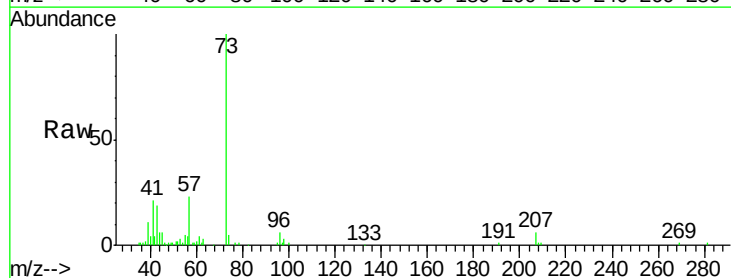
MMDadoda
5/4/2020 2:19:57 PM

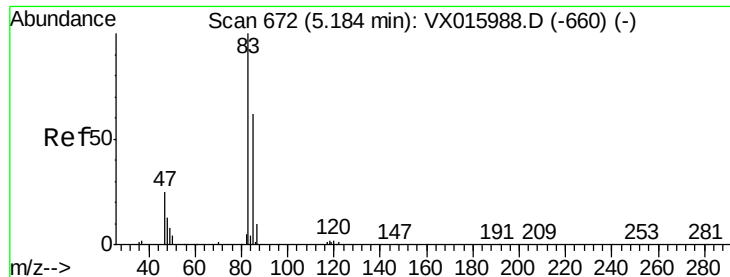


#24

Methyl tert-Butyl Ether
Concen: 2.452 ug/l
RT: 3.17 min Scan# 342
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.7	17.8	26.6





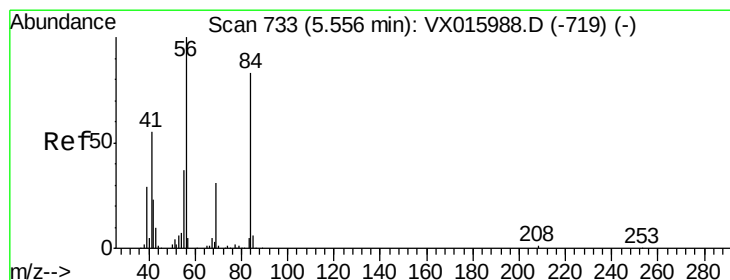
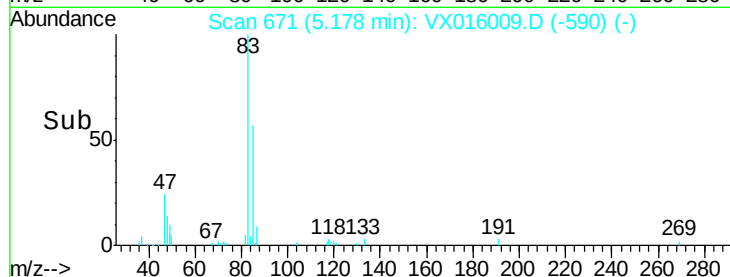
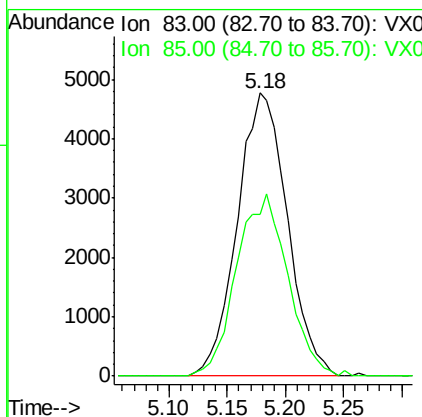
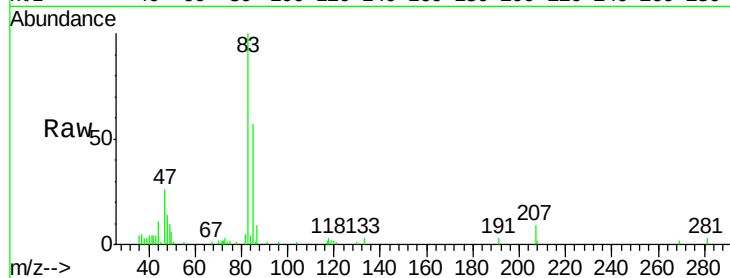
#25
Chloroform
Concen: 2.472 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.01 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion: 83 Resp: 14229
Ion Ratio Lower Upper
83 100
85 57.3 49.6 74.4

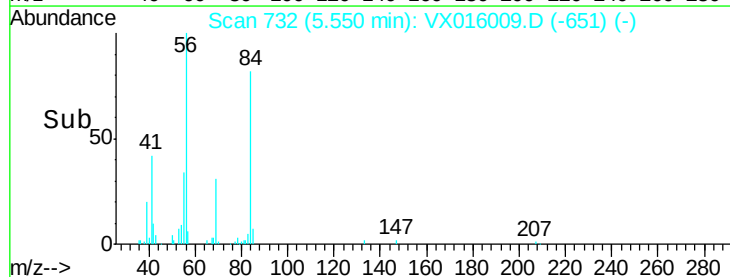
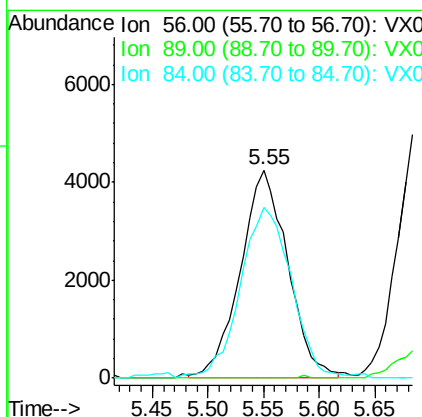
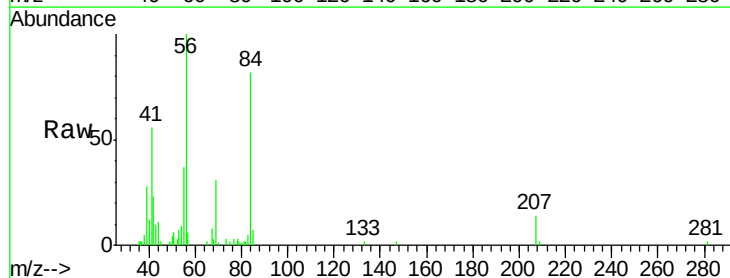
Manual Integrations
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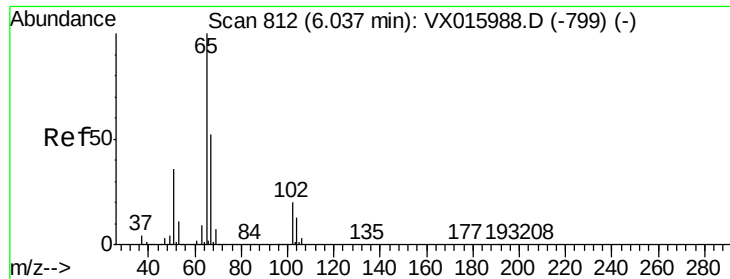
MMDadoda
5/4/2020 2:19:57 PM



#26
Cyclohexane
Concen: 2.423 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.01 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion: 56 Resp: 12558
Ion Ratio Lower Upper
56 100
89 0.0 0.1 0.1#
84 87.8 70.1 105.1





#27

1,2-Dichloroethane-d4

Concen: 30.093 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Tot Ion: 65 Resp: 114851

Ion Ratio Lower Upper

65 100

67 50.6 41.0 61.4

Instrument :

MSVOA_X

ClientSampleId :

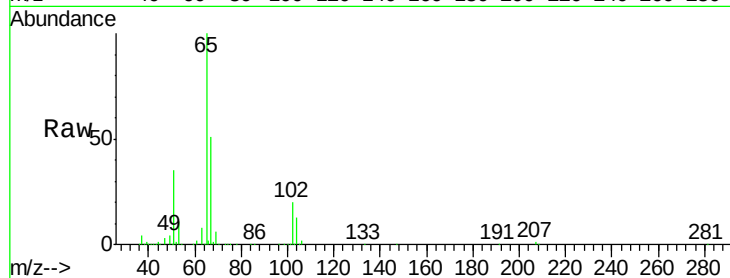
MDL-WATER-03-QT2-2020DL

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Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.03

50000

40000

30000

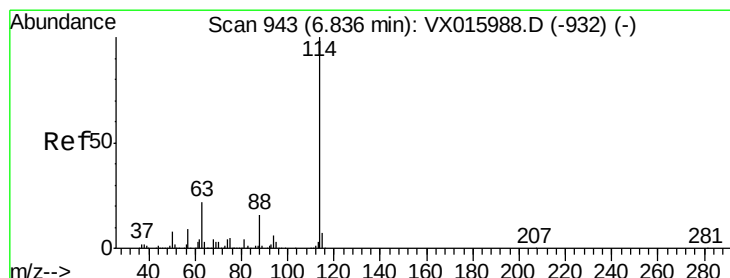
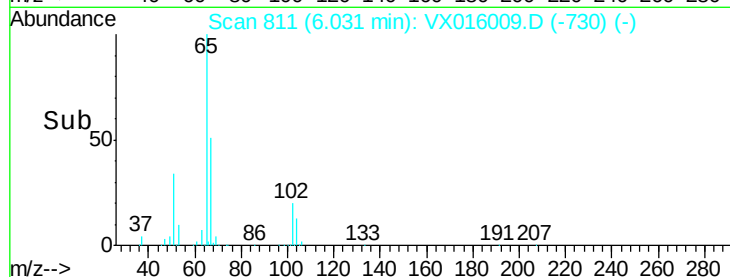
20000

10000

0

Time-->

5.90 6.00 6.10



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

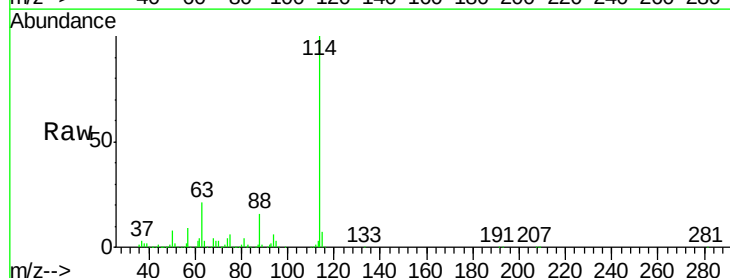
Tgt Ion: 114 Resp: 274727

Ion Ratio Lower Upper

114 100

63 21.3 17.1 25.7

88 15.9 13.0 19.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

150000

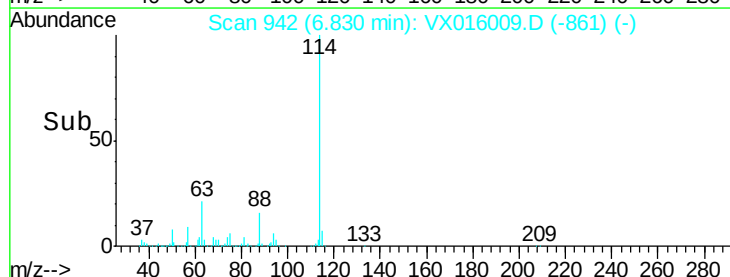
100000

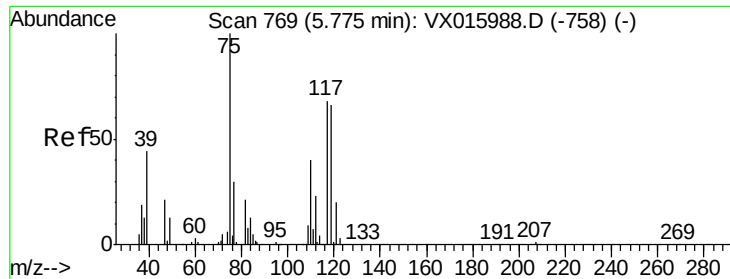
50000

0

Time-->

6.75 6.80 6.85 6.90 6.95





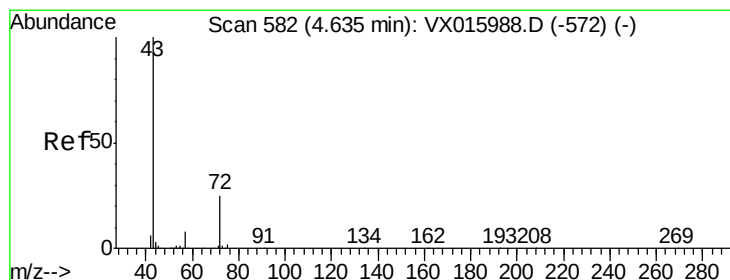
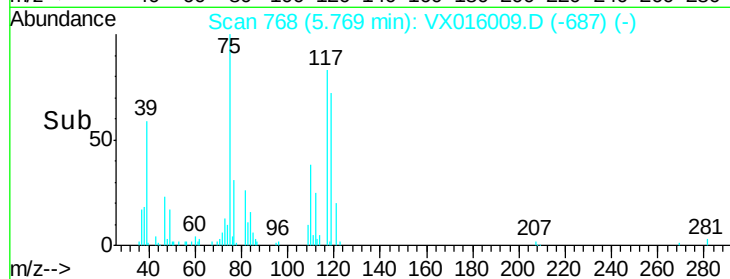
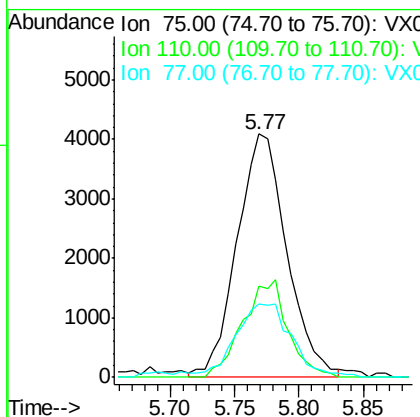
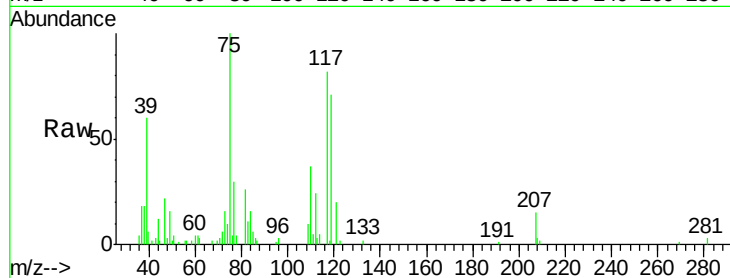
#29
 1,1-Dichloropropene
 Concen: 2.527 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: VX016009.D
 Acq: 01 May 2020 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion:	75	Resp:	10919
Ion	Ratio	Lower	Upper
75	100		
110	36.3	0.0	71.0
77	34.1	0.0	64.2

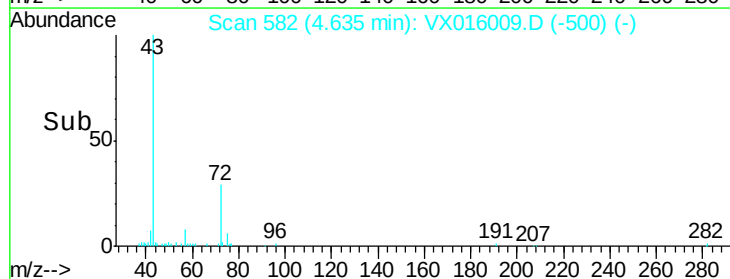
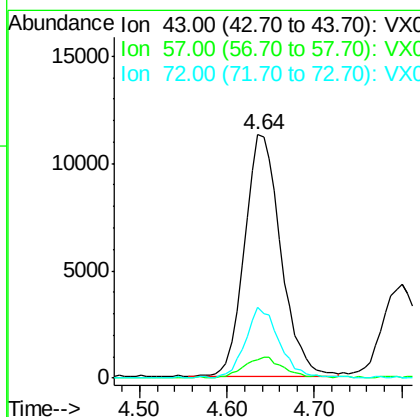
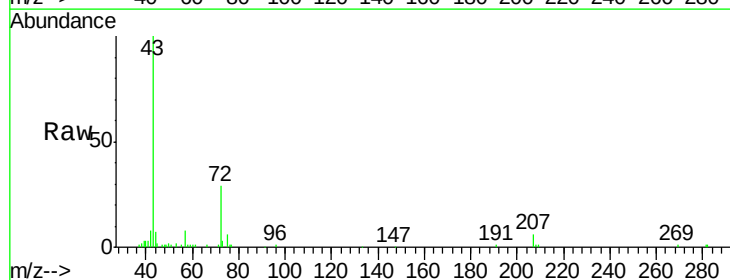
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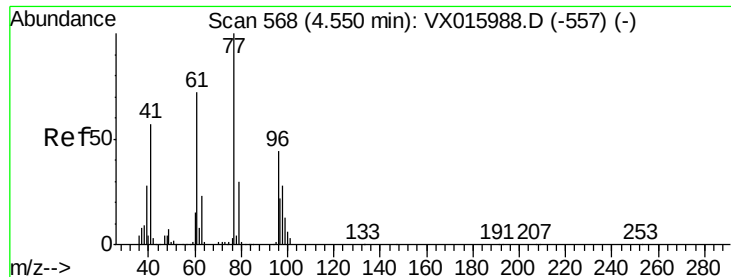
MMDadoda
 5/4/2020 2:19:57 PM



#30
 2-Butanone
 Concen: 12.598 ug/l
 RT: 4.64 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VX016009.D
 Acq: 01 May 2020 14:23

Tgt Ion:	43	Resp:	32434
Ion	Ratio	Lower	Upper
43	100		
57	9.2	6.3	9.5
72	27.3	20.8	31.2





#31

2,2-Dichloropropane

Concen: 2.484 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 77 Resp: 12919

Ion Ratio Lower Upper

77 100

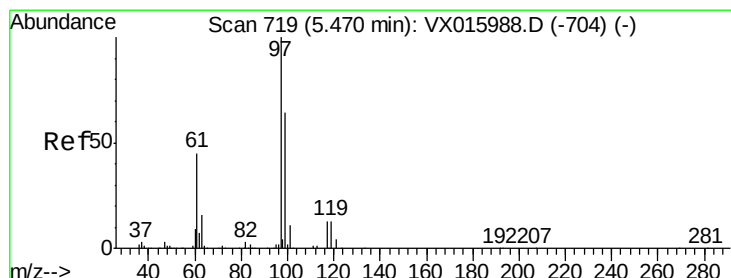
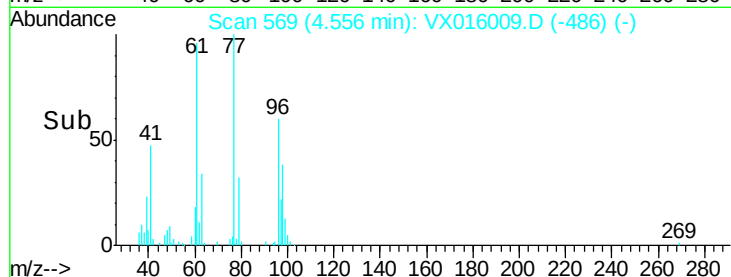
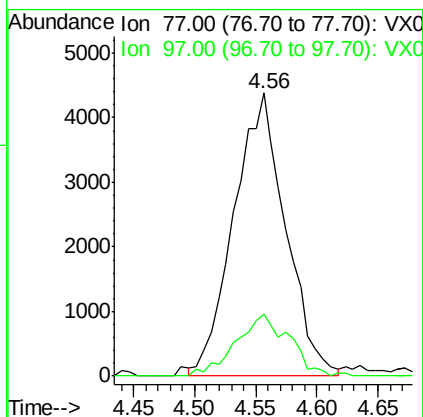
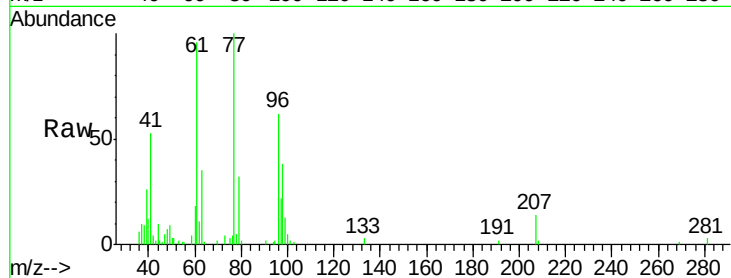
97 16.7 17.8 26.8#

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#32

1,1,1-Trichloroethane

Concen: 2.526 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

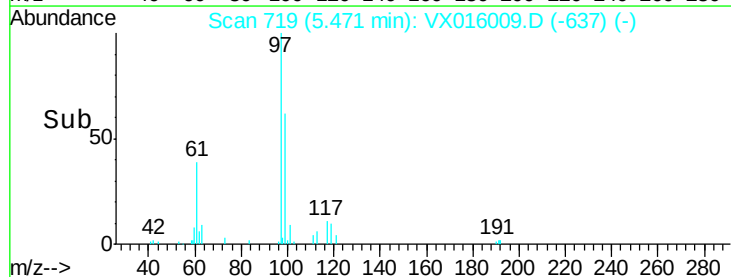
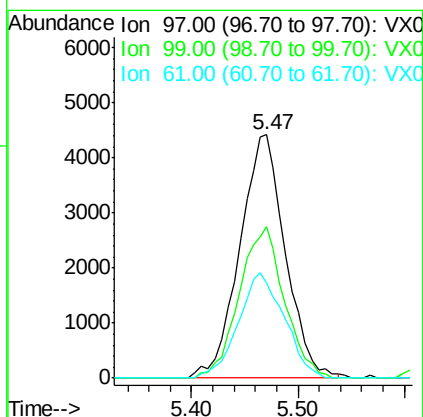
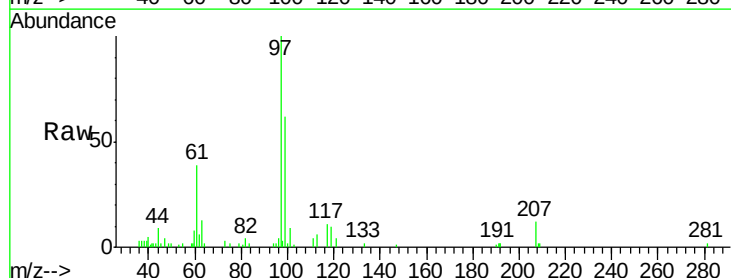
Tgt Ion: 97 Resp: 13238

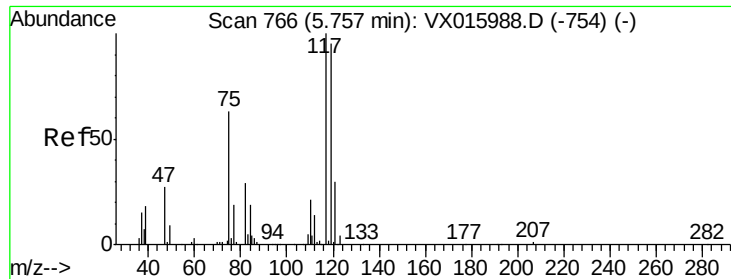
Ion Ratio Lower Upper

97 100

99 61.6 50.7 76.1

61 43.6 35.9 53.9





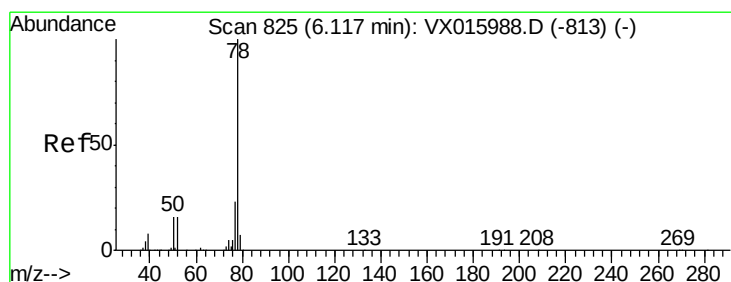
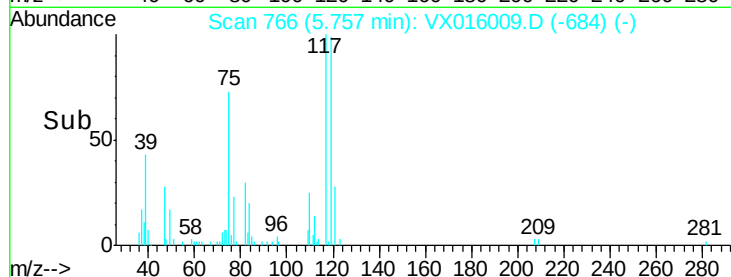
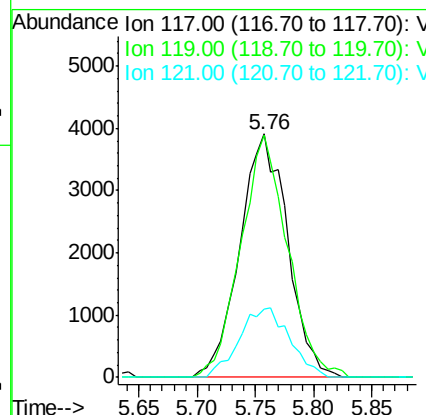
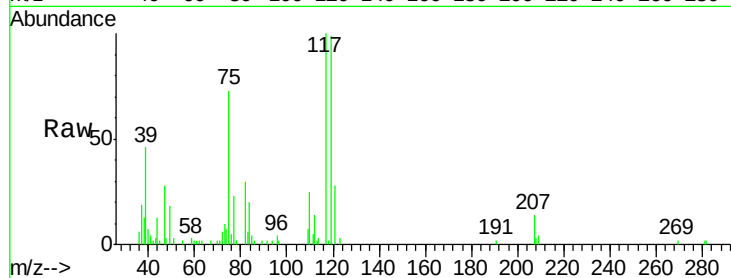
#33
Carbon Tetrachloride
Concen: 2.393 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
117	100		
119	99.4	76.3	114.5
121	28.3	24.2	36.4

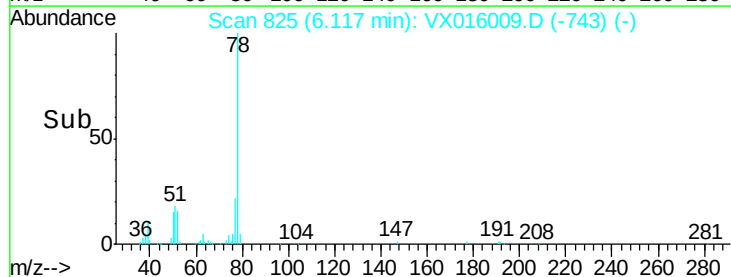
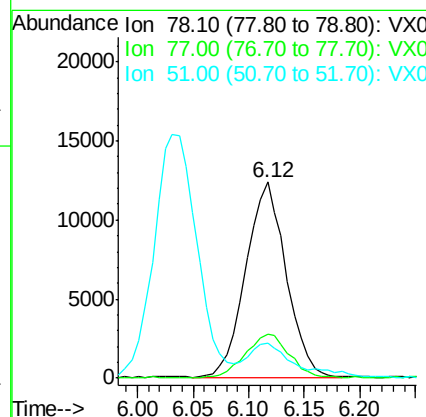
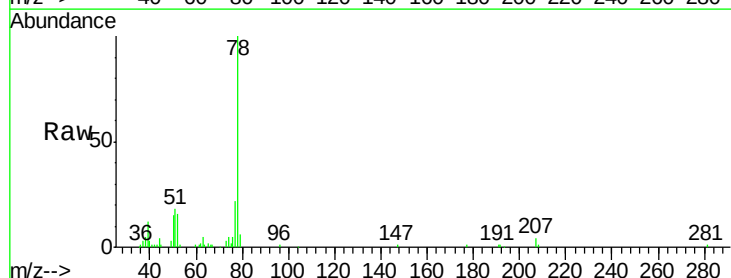
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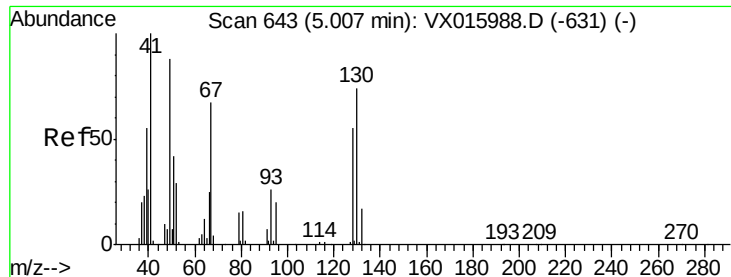
MMDadoda
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#34
Benzene
Concen: 2.497 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.7	28.1
51	14.9	12.7	19.1





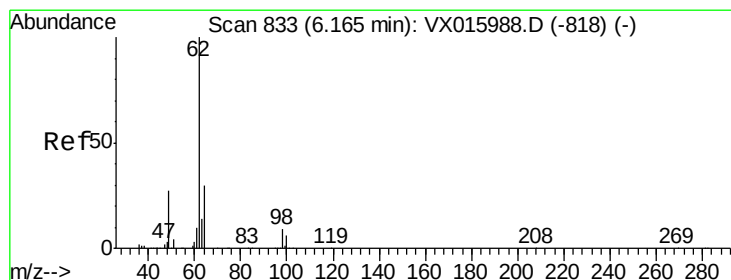
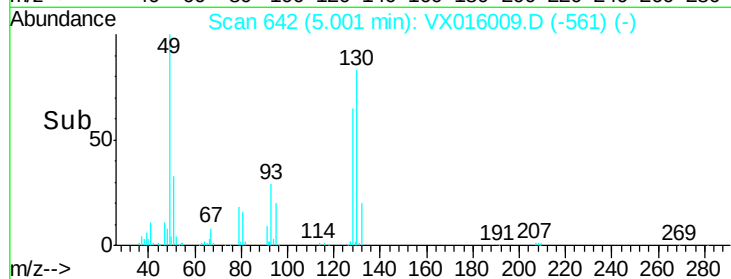
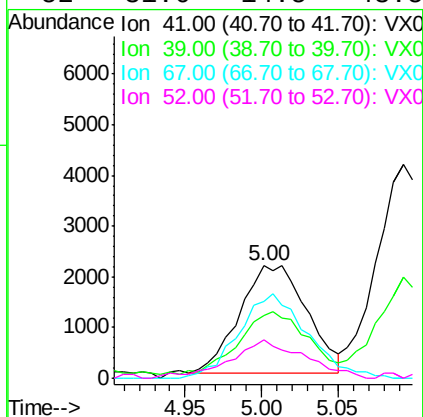
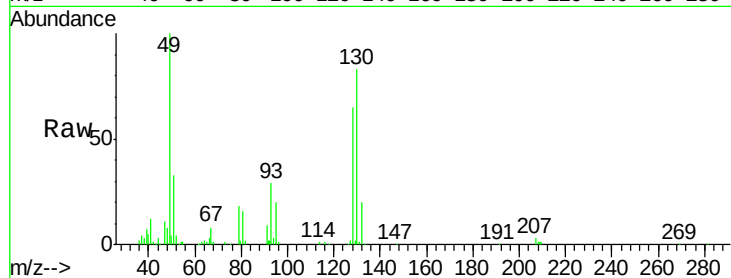
#35
Methacrylonitrile
Concen: 2.356 ug/l
RT: 5.00 min Scan# 642
Delta R.T. -0.01 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion:	41	Resp:	6441
Ion	Ratio	Lower	Upper
41	100		
39	51.8	27.5	82.4
67	69.3	33.6	100.6
52	31.6	14.5	43.5

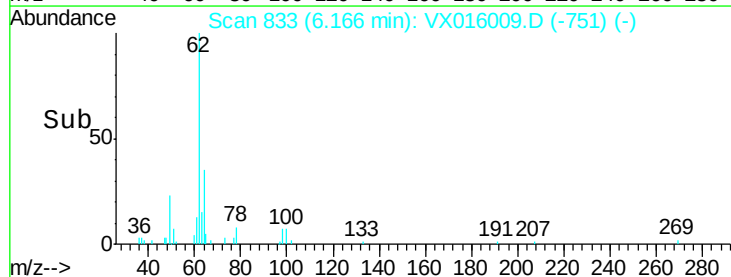
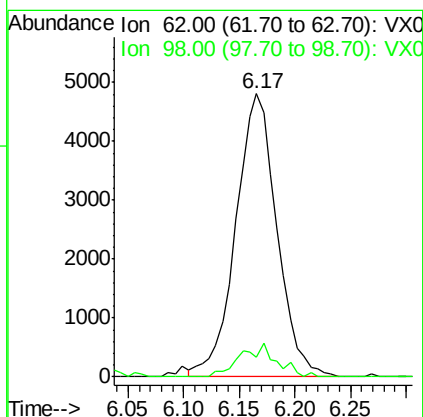
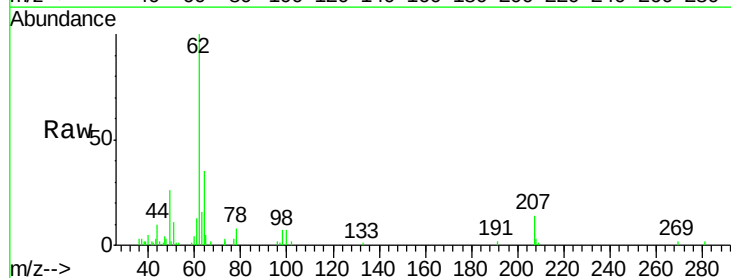
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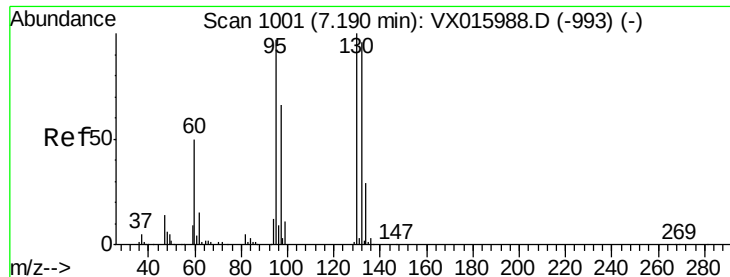
MMDadoda
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#36
1,2-Dichloroethane
Concen: 2.558 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion:	62	Resp:	12331
Ion	Ratio	Lower	Upper
62	100		
98	4.7	7.4	11.2#





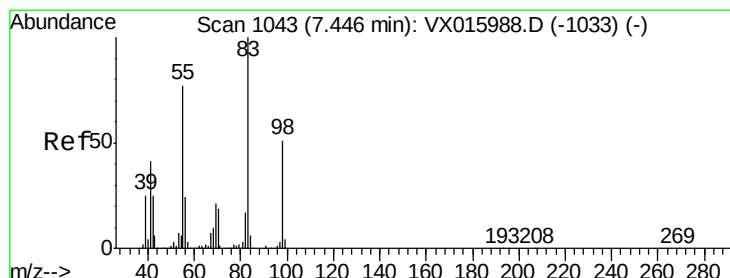
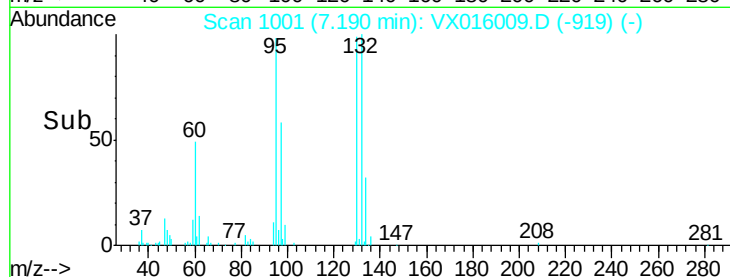
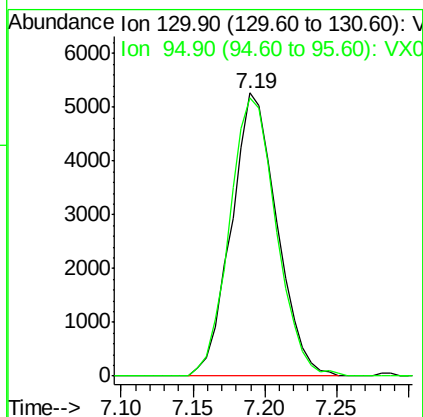
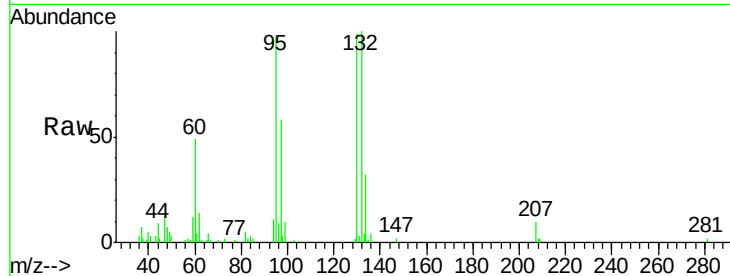
#37
 Trichloroethene
 Concen: 2.584 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX016009.D
 Acq: 01 May 2020 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion:130 Resp: 11602
 Ion Ratio Lower Upper
 130 100
 95 98.2 77.8 116.8

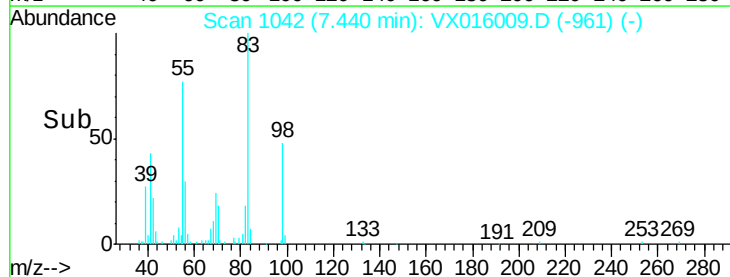
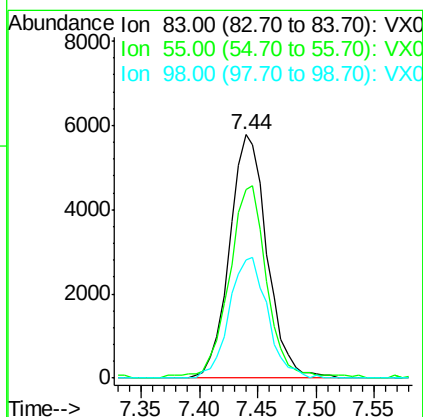
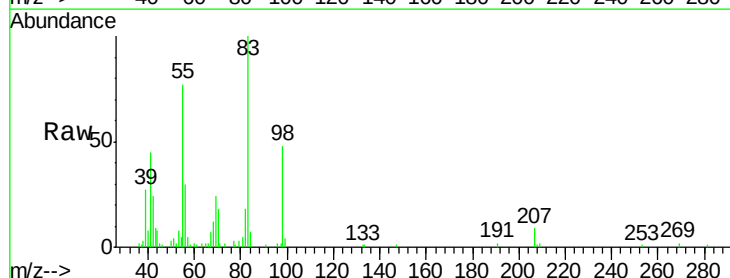
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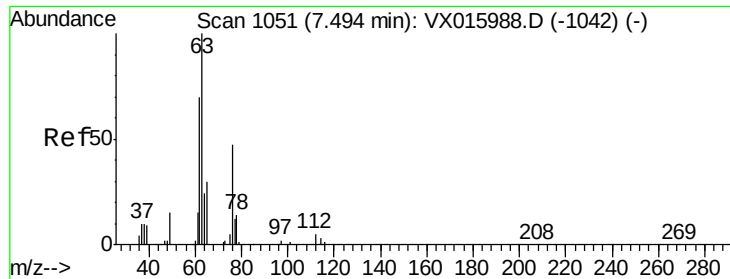
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#38
 Methylcyclohexane
 Concen: 2.455 ug/l
 RT: 7.44 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX016009.D
 Acq: 01 May 2020 14:23

Tgt Ion: 83 Resp: 12964
 Ion Ratio Lower Upper
 83 100
 55 78.9 38.8 116.4
 98 50.3 25.1 75.3





#39

1,2-Dichloropropane

Concen: 2.426 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 63 Resp: 7859

Ion Ratio Lower Upper

63 100

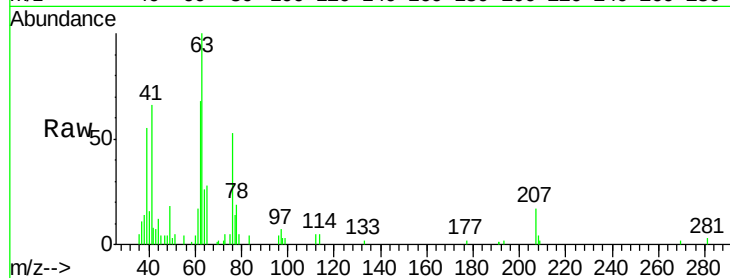
65 28.3 25.9 38.9

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Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0

7.49

4000

3000

2000

1000

0

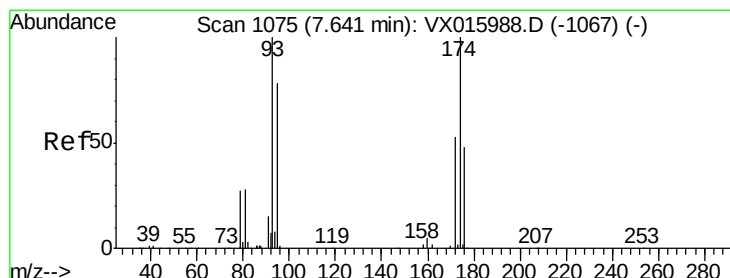
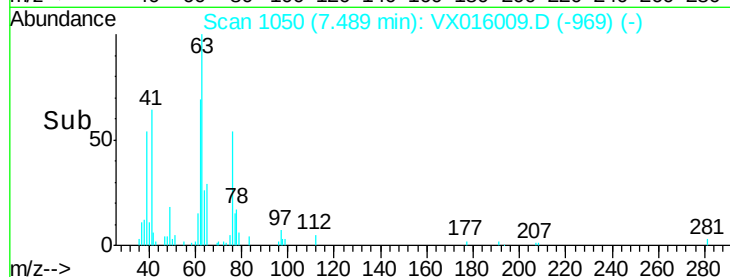
7.40

7.45

7.50

7.55

Time-->



#40

Dibromomethane

Concen: 2.548 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

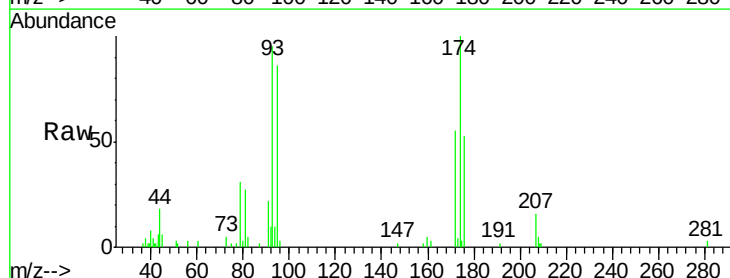
Tgt Ion: 93 Resp: 5732

Ion Ratio Lower Upper

93 100

95 84.1 0.0 162.8

174 105.1 0.0 204.0



Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

4000

3000

2000

1000

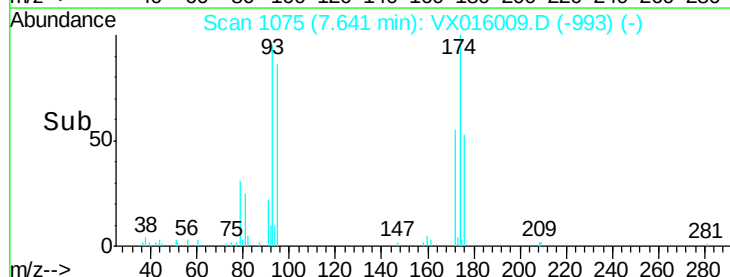
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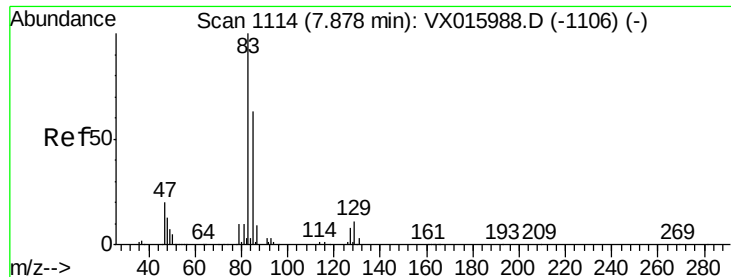
7.60

7.65

7.70

Time-->





#41

Bromodichloromethane

Concen: 2.299 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

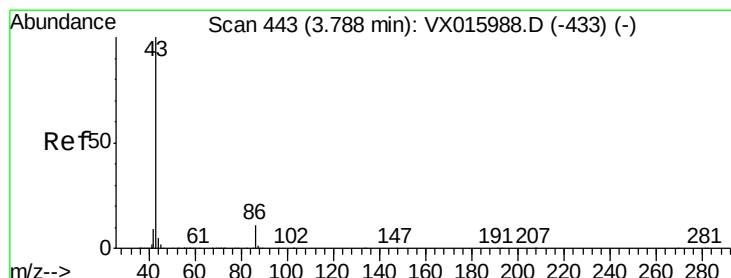
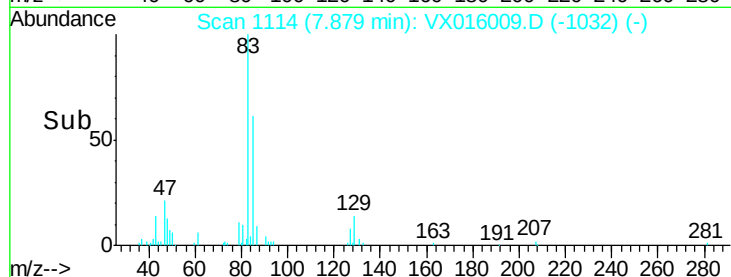
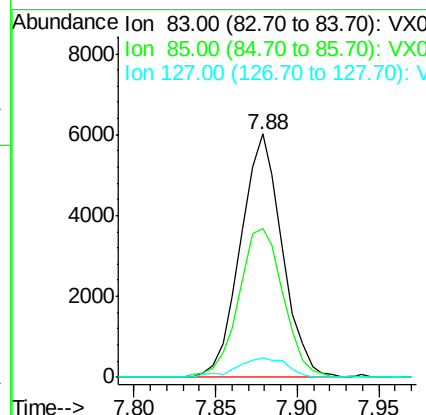
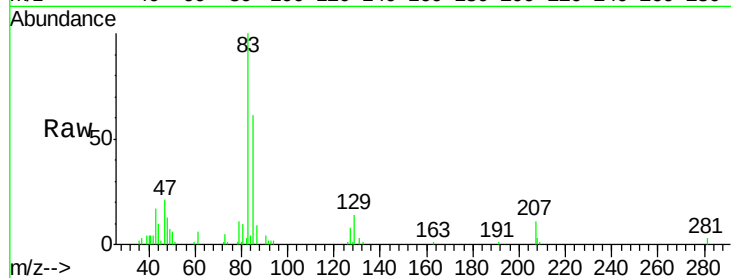
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	83	Resp:	10660
Ion	Ratio	Lower	Upper
83	100		
85	61.4	50.4	75.6
127	8.1	6.7	10.1

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#42

Vinyl Acetate

Concen: 11.955 ug/l

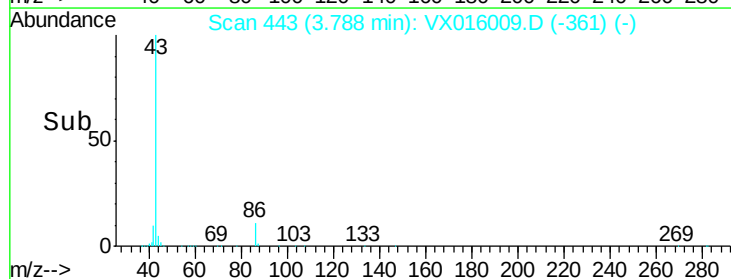
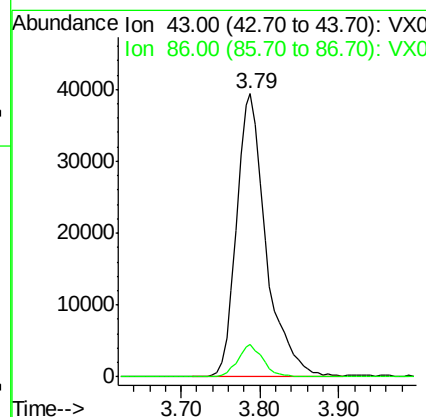
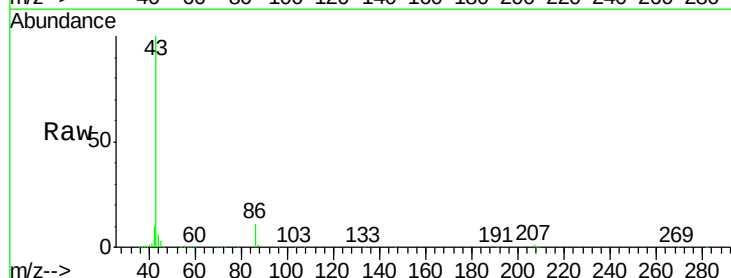
RT: 3.79 min Scan# 443

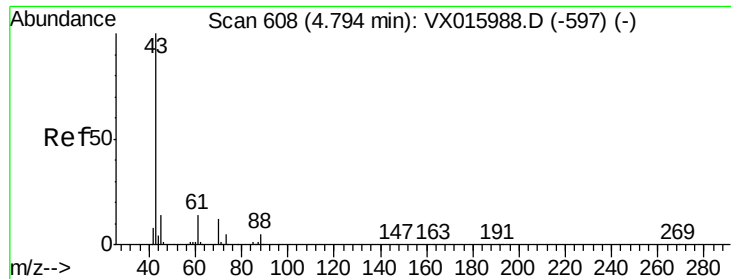
Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Tgt Ion:	43	Resp:	101833
Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.7	11.5





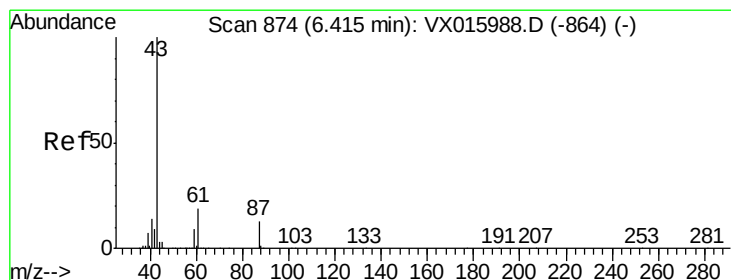
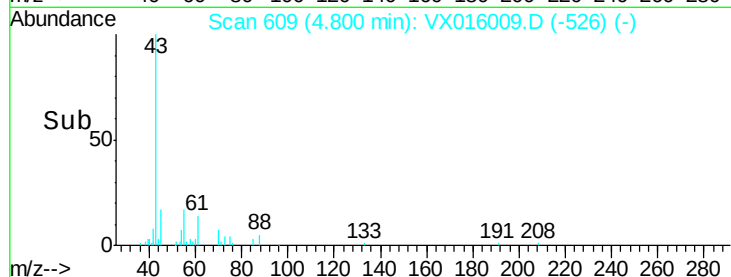
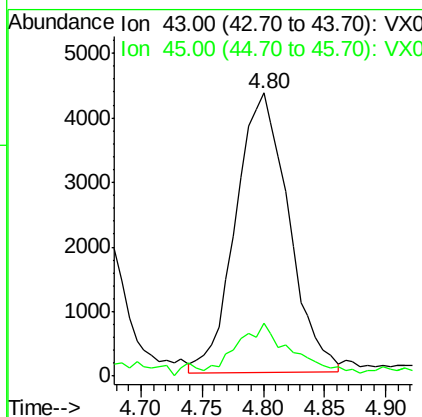
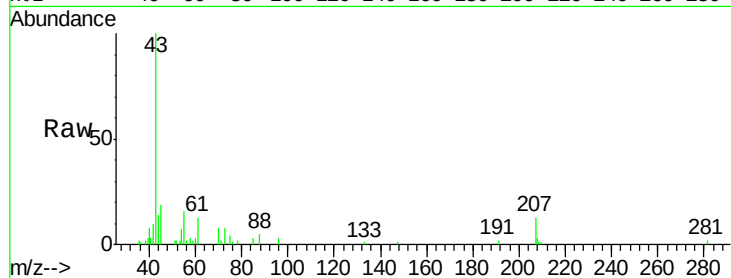
#43
Ethyl Acetate
Concen: 2.571 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.6	11.9	17.9#

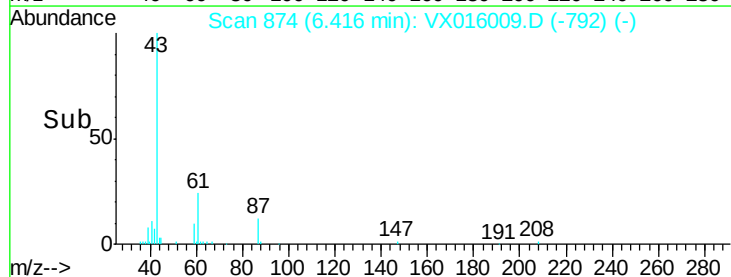
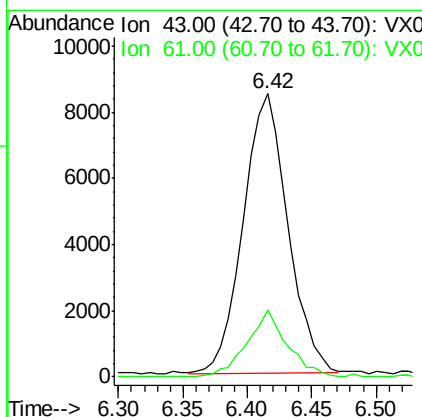
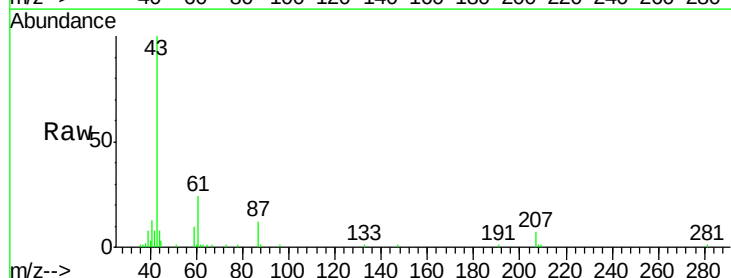
Manual Integrations
APPROVED

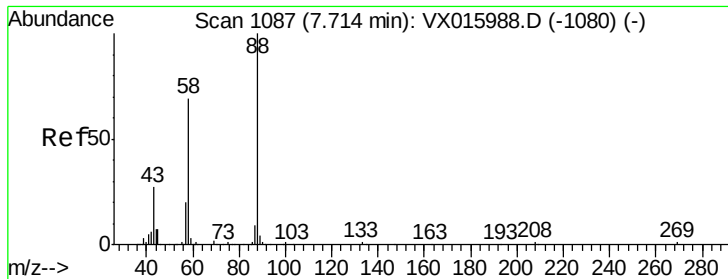
MMDadoda
5/4/2020 2:19:57 PM



#44
Isopropyl Acetate
Concen: 2.459 ug/l
RT: 6.42 min Scan# 874
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
43	100		
61	21.5	16.1	24.1





#45

1,4-Dioxane

Concen: 52.450 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

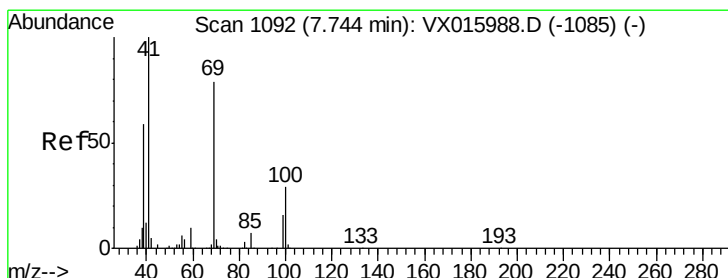
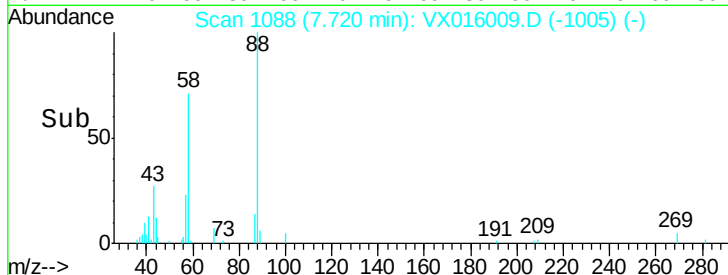
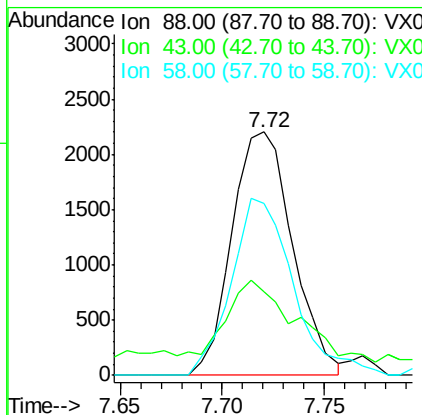
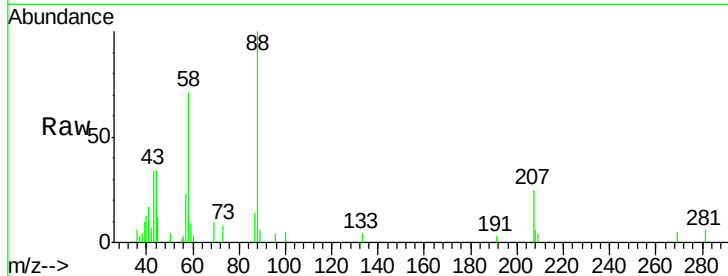
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	88	Resp:	4566
Ion	Ratio	Lower	Upper
88	100		
43	24.6	26.3	39.5#
58	74.4	57.0	85.6

Manual Integrations
APPROVED

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#46

Methyl methacrylate

Concen: 2.246 ug/l

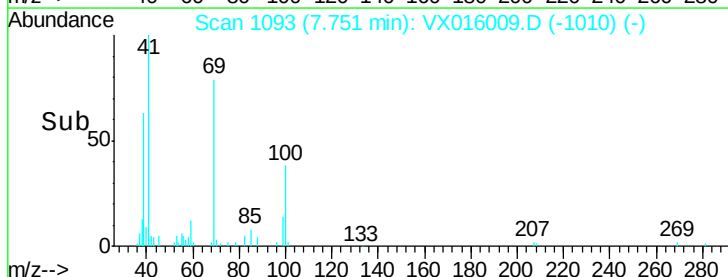
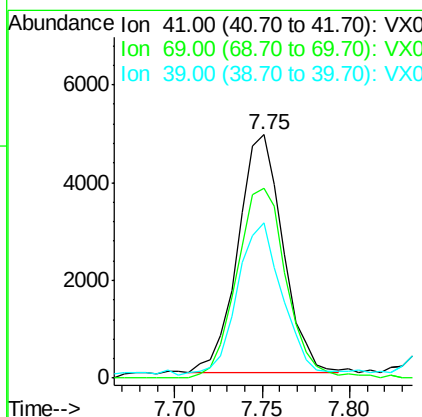
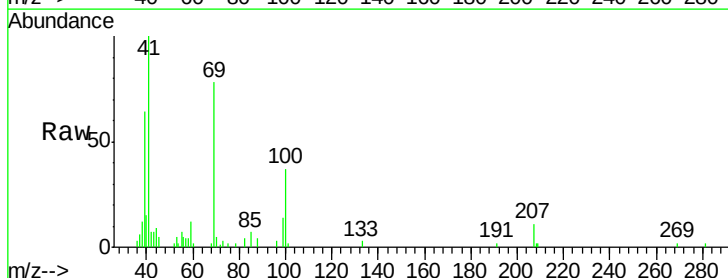
RT: 7.75 min Scan# 1093

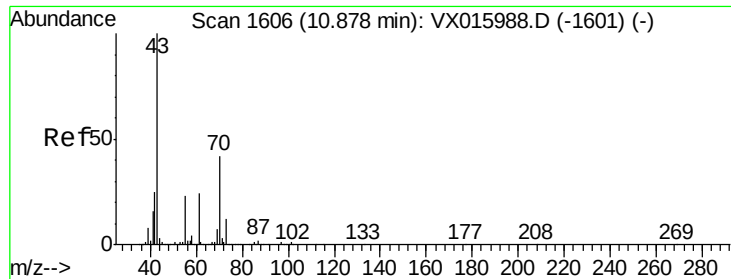
Delta R.T. 0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Tgt Ion:	41	Resp:	8776
Ion	Ratio	Lower	Upper
41	100		
69	79.9	39.5	118.5
39	62.9	29.6	88.9





#47

n-amvl Acetate

Concen: 2.249 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 43 Resp: 16205

Ion Ratio Lower Upper

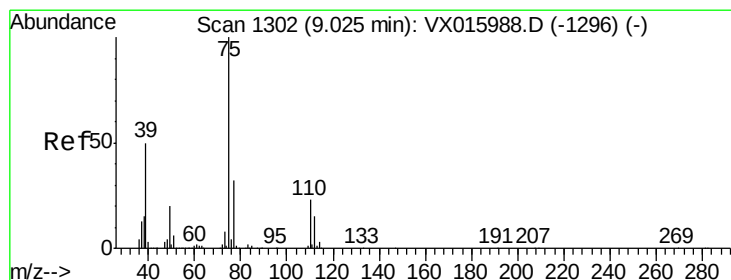
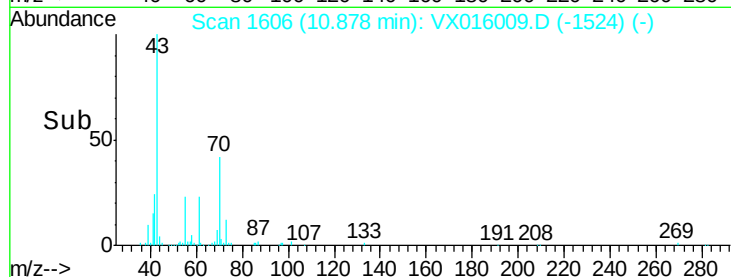
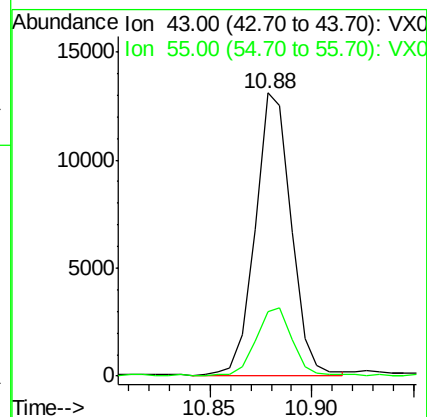
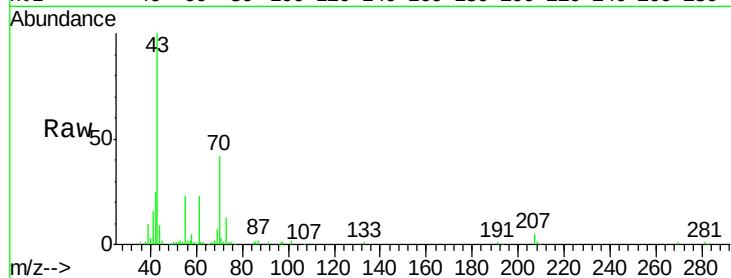
43 100

55 24.3 19.0 28.4

Manual Integrations
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#48

t-1,3-Dichloropropene

Concen: 2.351 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX016009.D

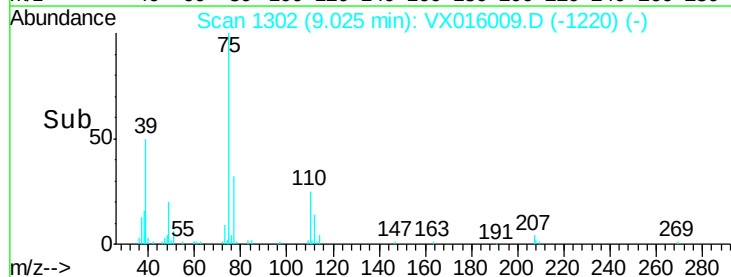
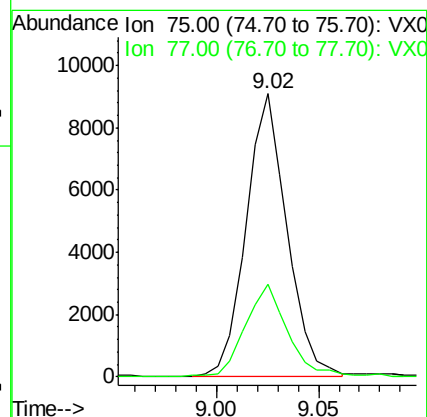
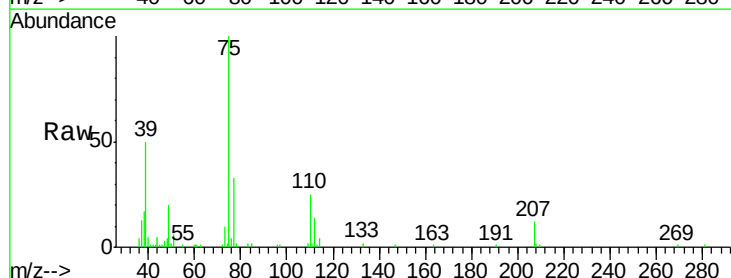
Acq: 01 May 2020 14:23

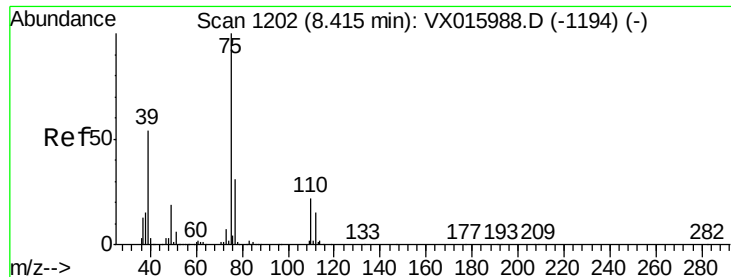
Tgt Ion: 75 Resp: 12662

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8





#49

cis-1,3-Dichloropropene

Concen: 2.350 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

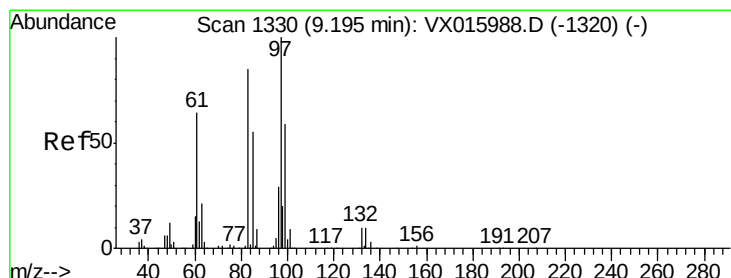
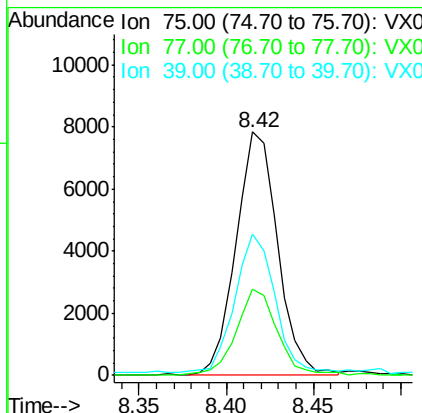
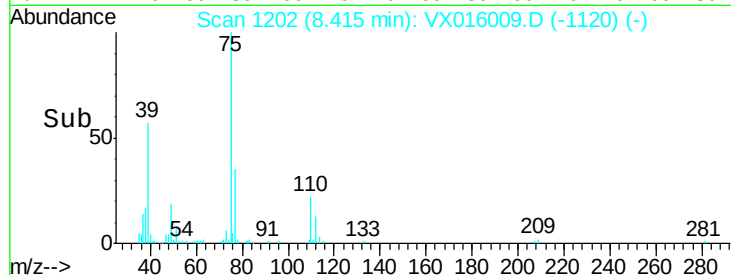
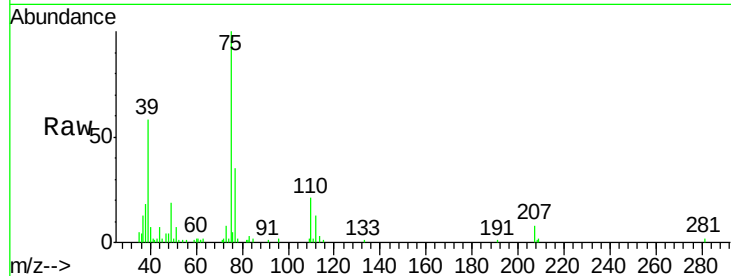
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	75	Resp:	13075
Ion	Ratio	Lower	Upper
75	100		
77	34.4	25.0	37.6
39	56.5	43.2	64.8

Manual Integrations
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5/4/2020 2:19:57 PM



#50

1,1,2-Trichloroethane

Concen: 2.421 ug/l

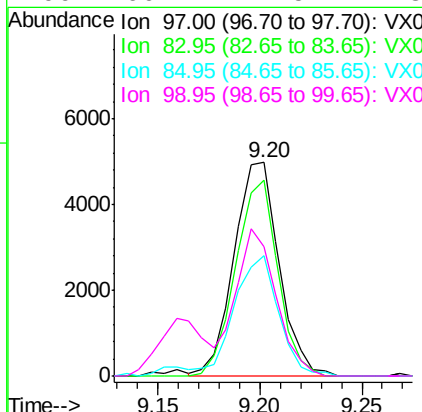
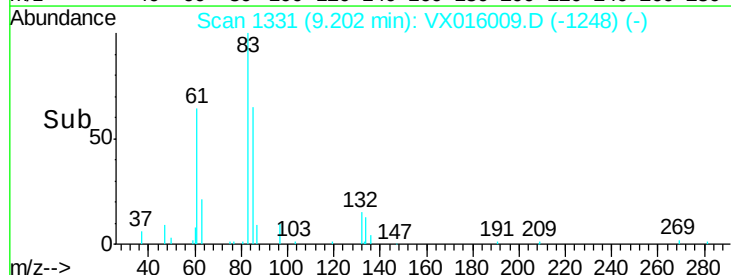
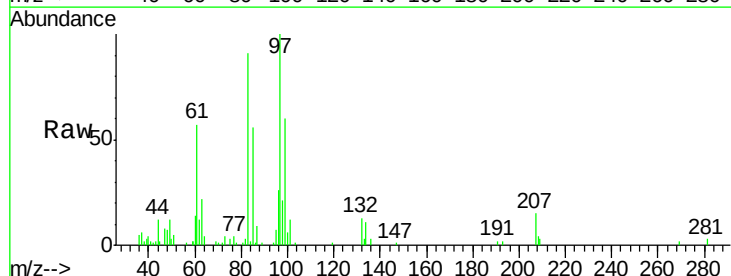
RT: 9.20 min Scan# 1331

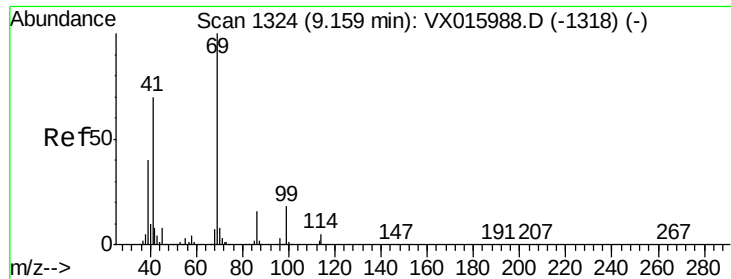
Delta R.T. 0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Tgt Ion:	97	Resp:	7674
Ion	Ratio	Lower	Upper
97	100		
83	91.5	67.7	101.5
85	56.5	43.7	65.5
99	60.4	47.5	71.3





#51

Ethyl methacrylate

Concen: 2.185 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

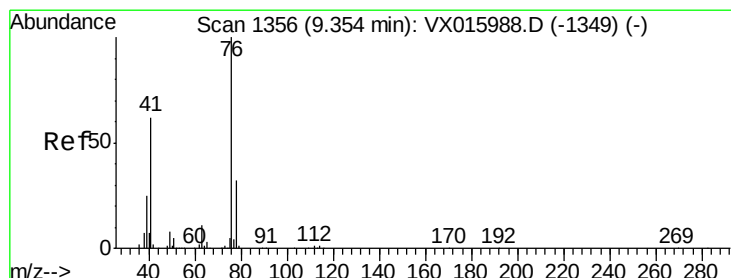
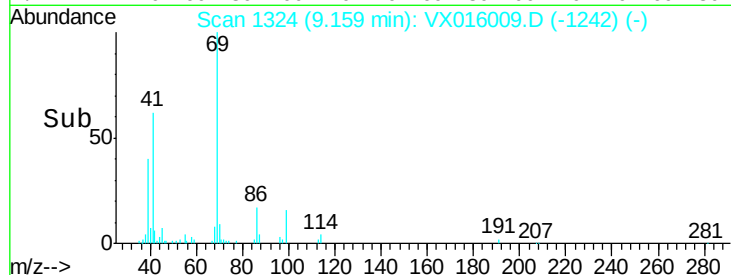
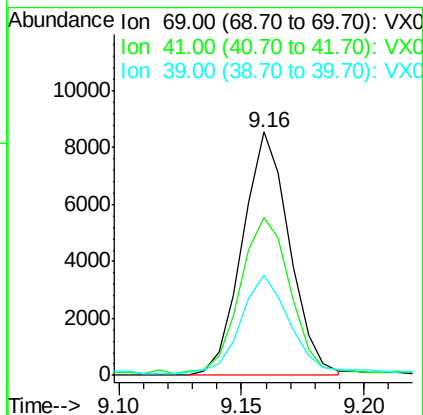
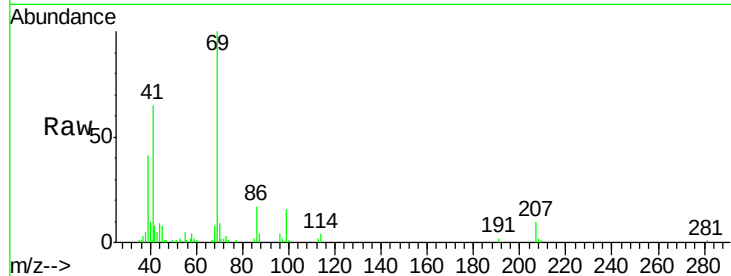
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	69	Resp:	11437
Ion	Ratio	Lower	Upper
69	100		
41	63.2	34.8	104.4
39	40.0	19.8	59.4

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 2.394 ug/l

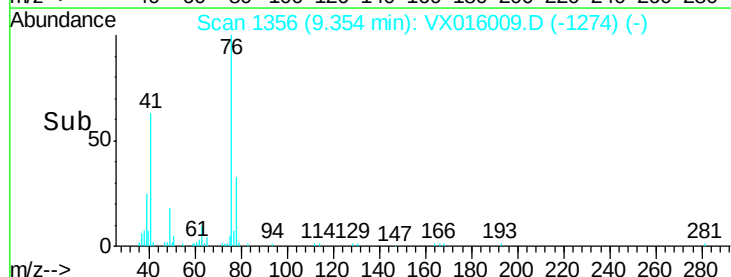
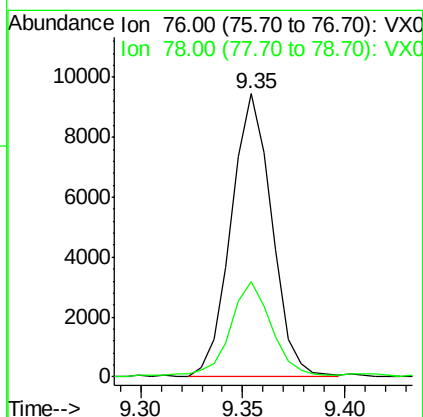
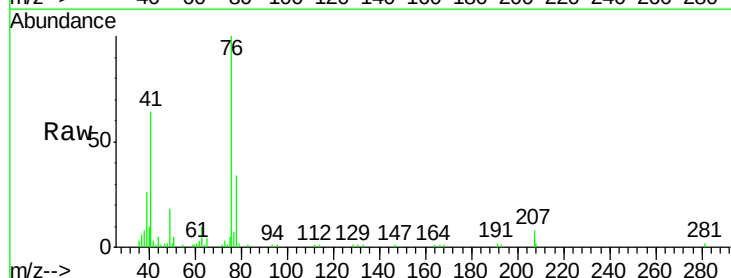
RT: 9.35 min Scan# 1356

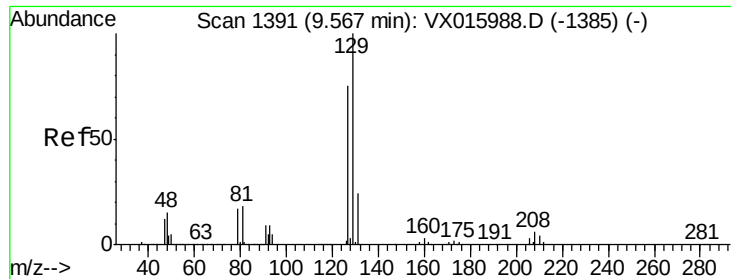
Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Tgt Ion:	76	Resp:	13118
Ion	Ratio	Lower	Upper
76	100		
78	34.6	0.0	64.2





#53

Dibromochloromethane

Concen: 2.213 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:129 Resp: 7983

Ion Ratio Lower Upper

129 100

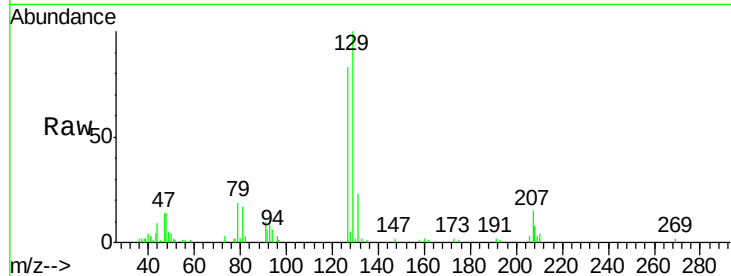
127 76.1 38.3 114.9

Manual Integrations

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

9.57

6000

5000

4000

3000

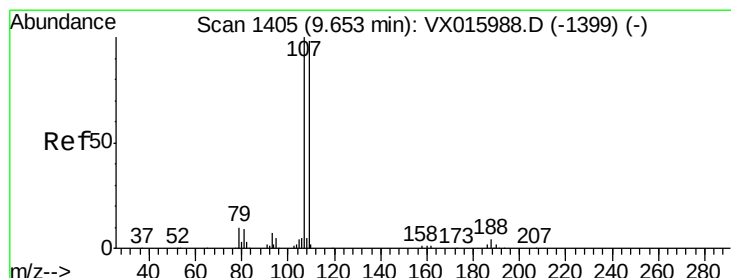
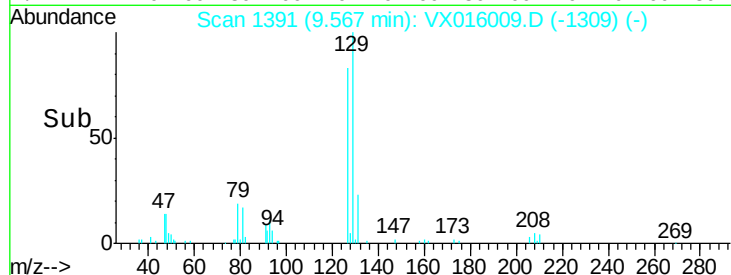
2000

1000

0

9.55 9.60

Time-->



#54

1,2-Dibromoethane

Concen: 2.434 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX016009.D

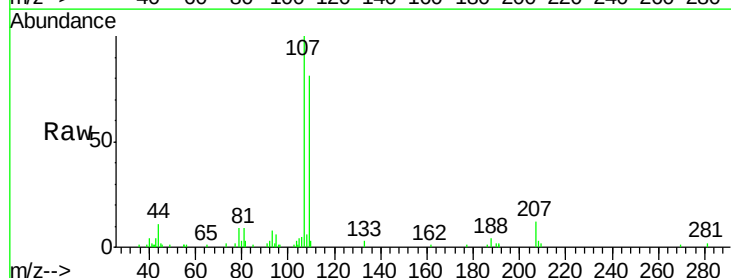
Acq: 01 May 2020 14:23

Tgt Ion:107 Resp: 8480

Ion Ratio Lower Upper

107 100

109 88.8 74.7 112.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.65

6000

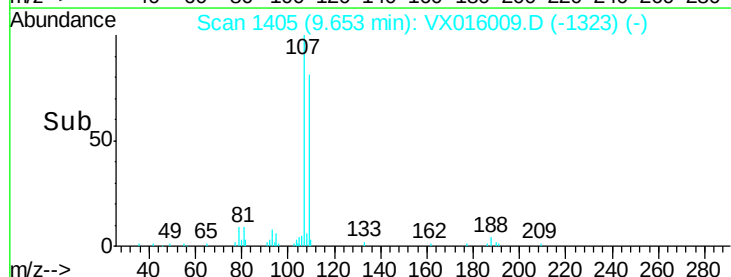
4000

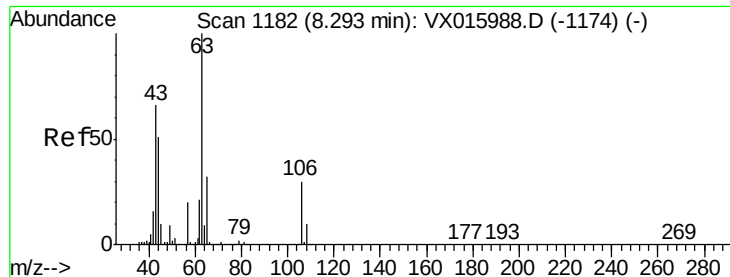
2000

0

9.60 9.65 9.70

Time-->





#55

2-Chloroethyl vinyl ether

Concen: 10.899 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 63 Resp: 31038

Ion Ratio Lower Upper

63 100

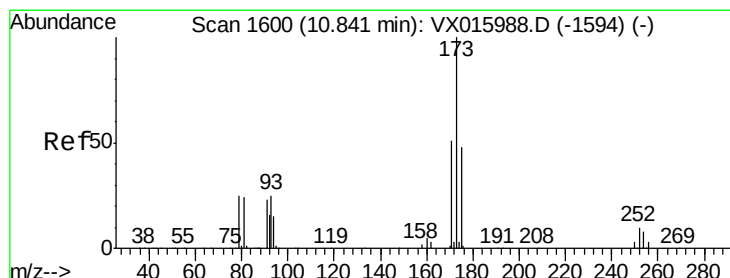
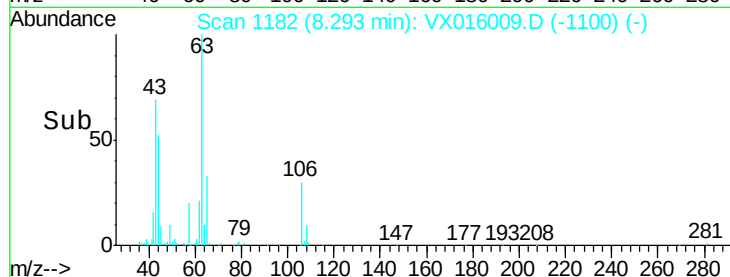
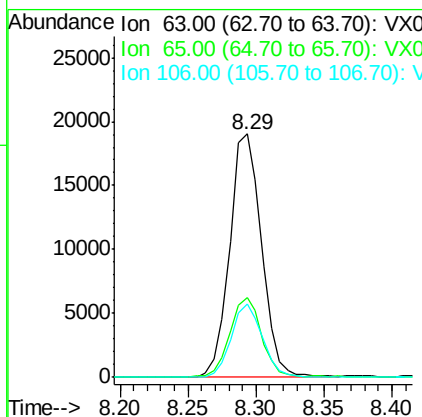
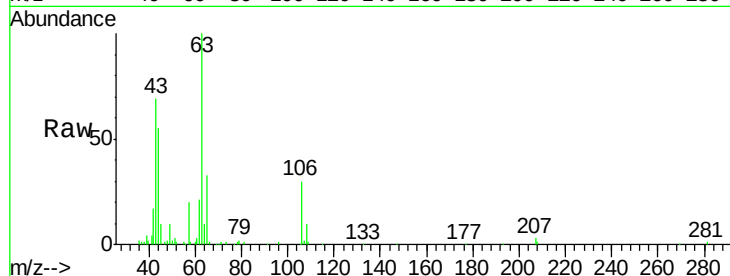
65 32.6 25.6 38.4

106 29.4 23.4 35.0

Manual Integrations
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#56

Bromoform

Concen: 2.005 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

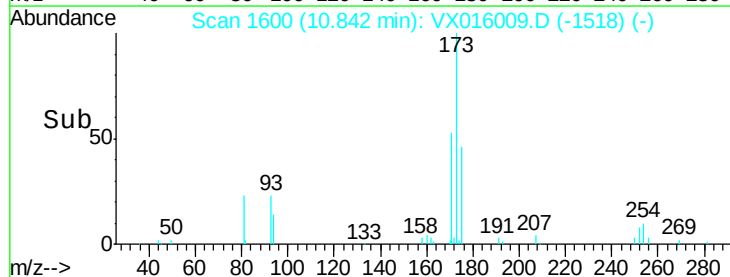
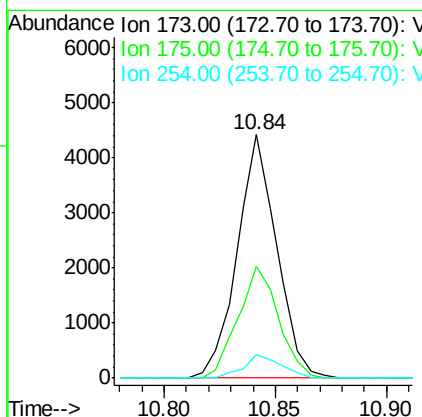
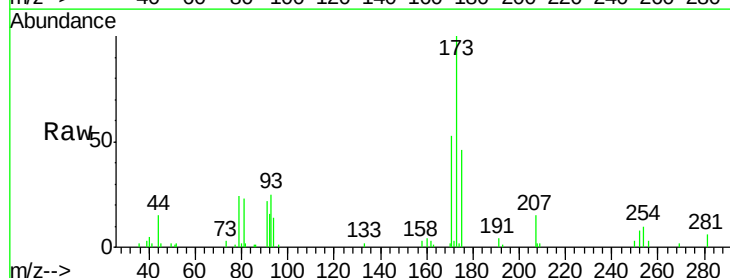
Tgt Ion: 173 Resp: 5449

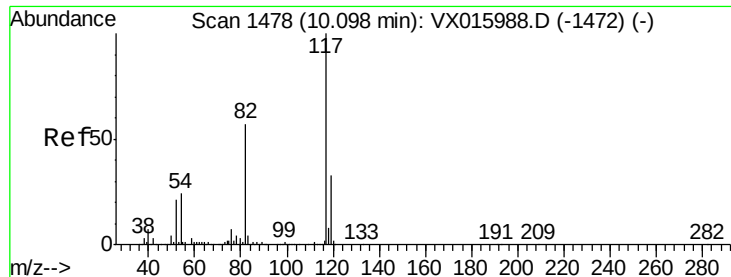
Ion Ratio Lower Upper

173 100

175 47.1 38.0 57.0

254 9.0 6.8 10.2





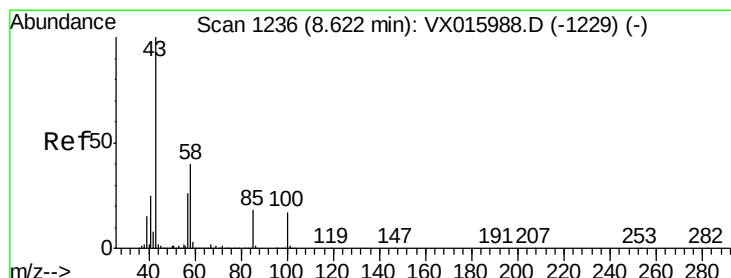
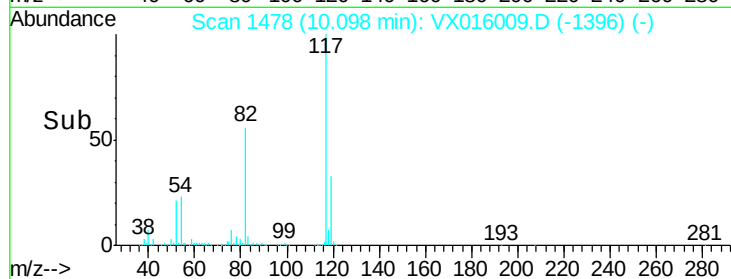
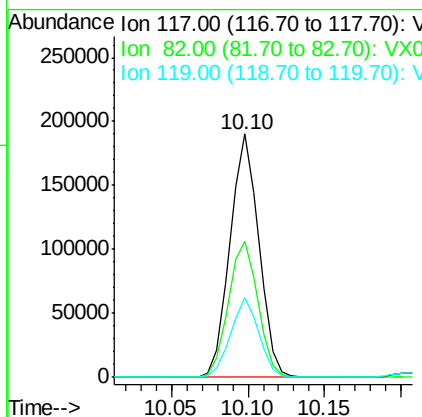
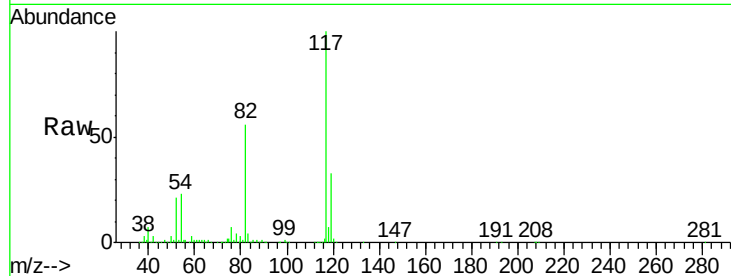
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Resp	Lower	Upper
117	100	248457		
82	57.1	45.1	67.7	
119	32.3	25.6	38.4	

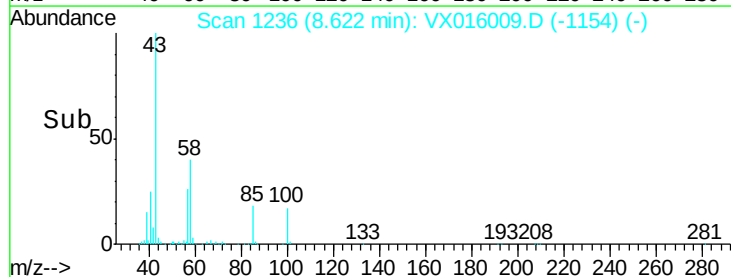
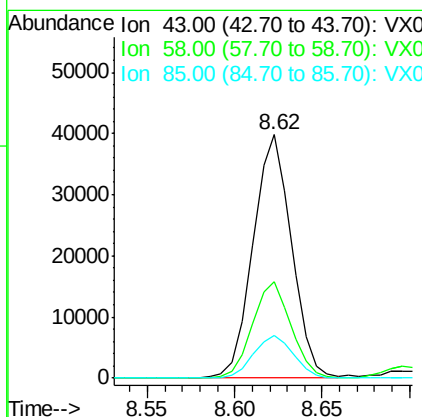
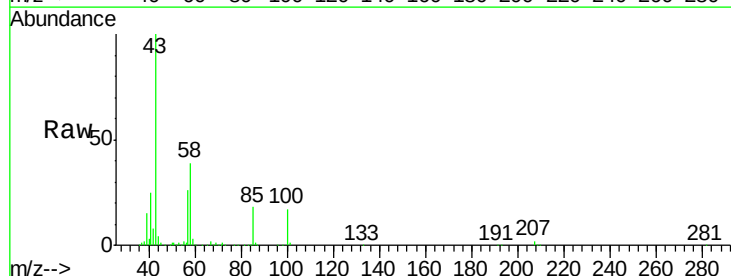
Manual Integrations
APPROVED

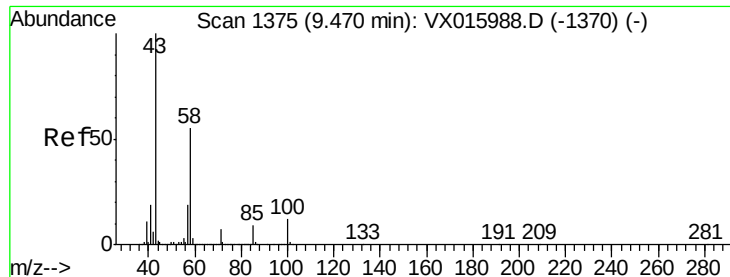
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 12.313 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	60328		
58	40.1	31.8	47.6	
85	18.4	14.5	21.7	





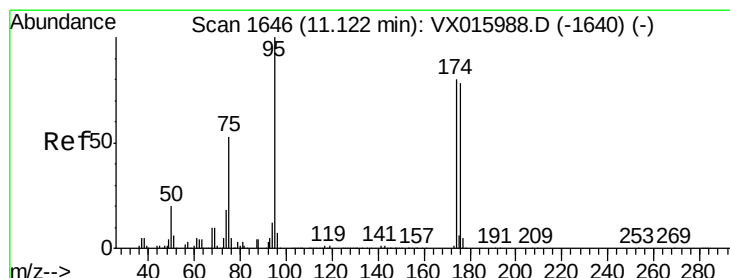
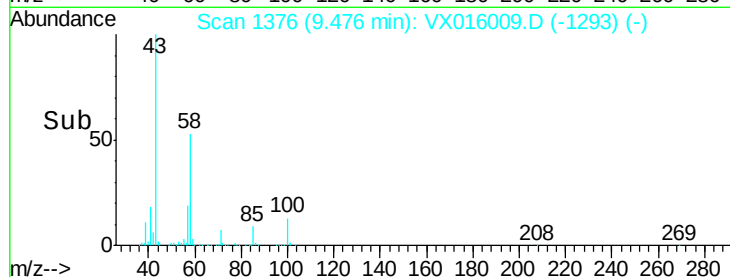
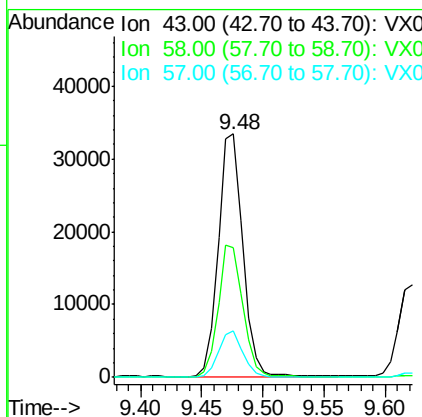
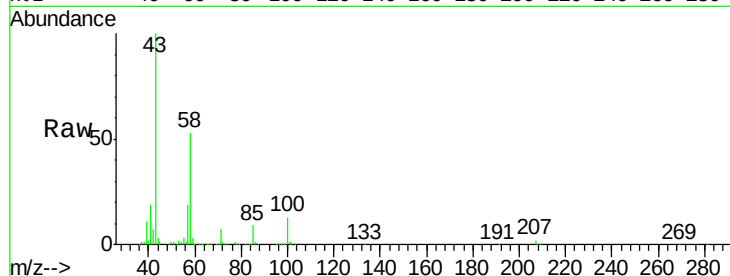
#59
2-Hexanone
Concen: 12.328 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Resp	Lower	Upper
43	100	46656		
58	54.8		44.0	66.0
57	19.3		15.5	23.3

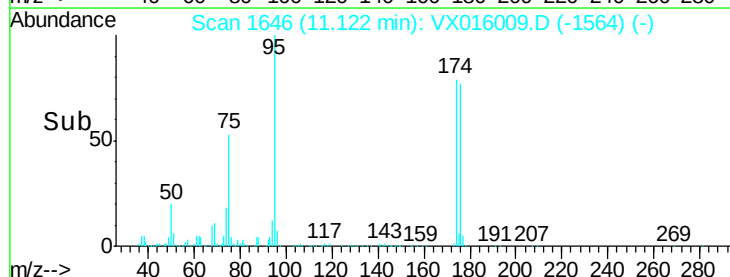
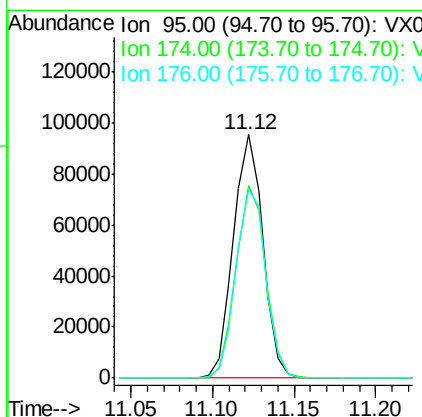
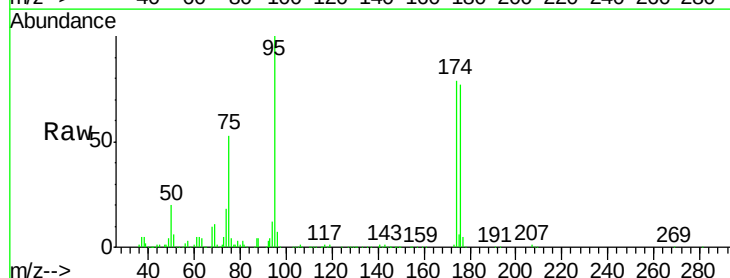
Manual Integrations
APPROVED

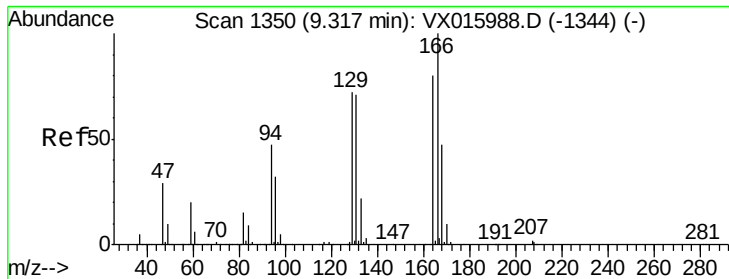
MMDadoda
5/4/2020 2:19:57 PM



#60
4-Bromofluorobenzene
Concen: 28.905 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	120433		
174	79.9		64.8	97.2
176	78.7		62.4	93.6





#61

Tetrachloroethene

Concen: 2.743 ug/l

RT: 9.32 min Scan# 1351

Delta R.T. 0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:164 Resp: 13482

Ion Ratio Lower Upper

164 100

166 124.6 100.1 150.1

129 81.8 72.2 108.4

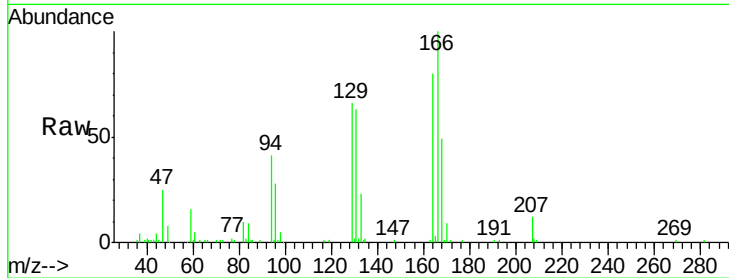
131 77.5 71.3 106.9

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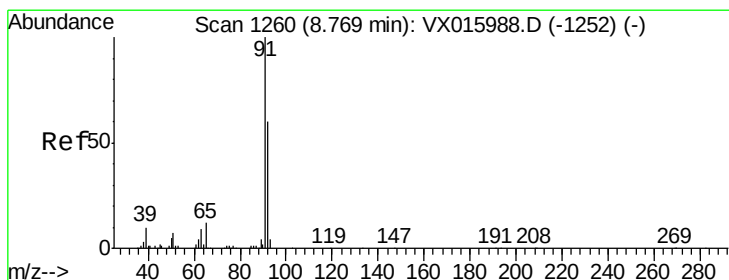
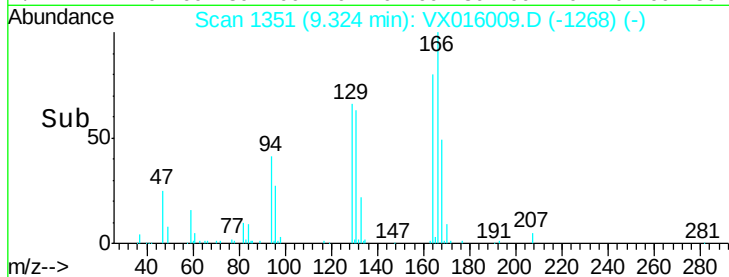
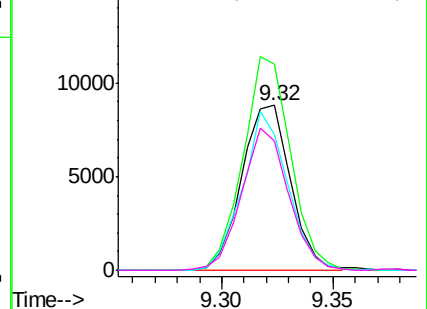


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 2.500 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX016009.D

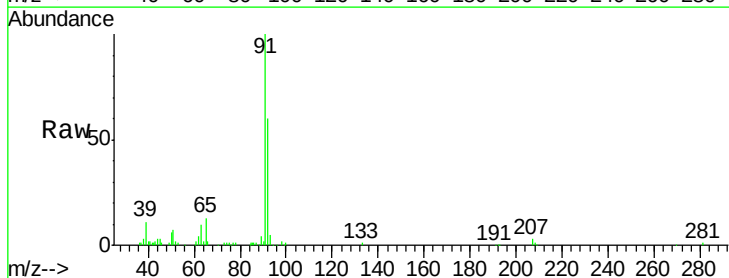
Acq: 01 May 2020 14:23

Tgt Ion: 91 Resp: 33189

Ion Ratio Lower Upper

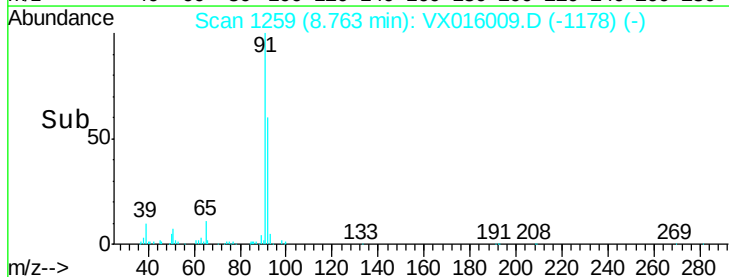
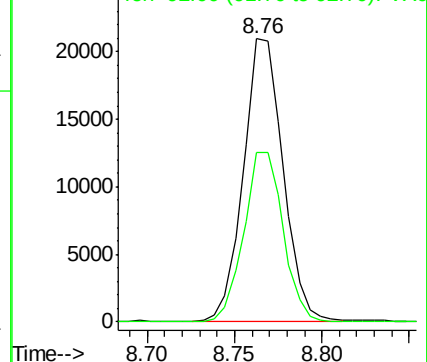
91 100

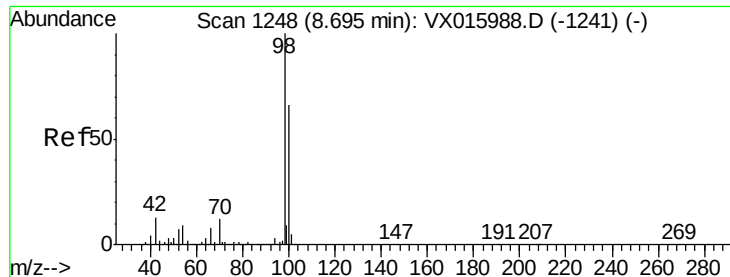
92 59.3 47.2 70.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





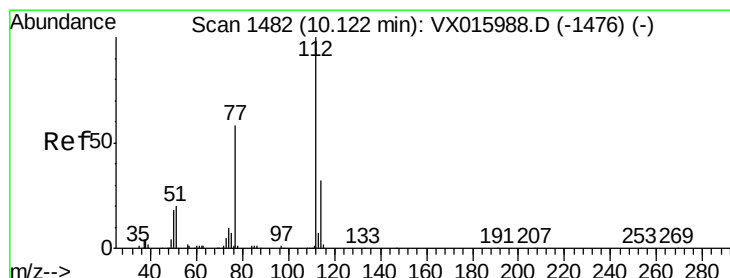
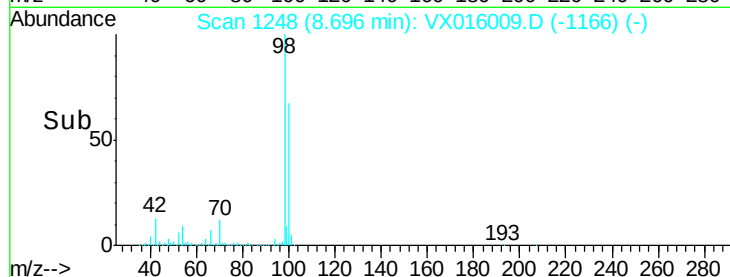
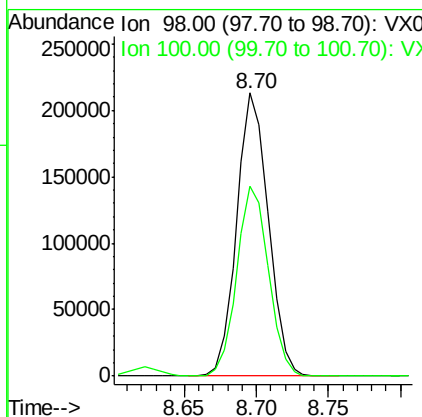
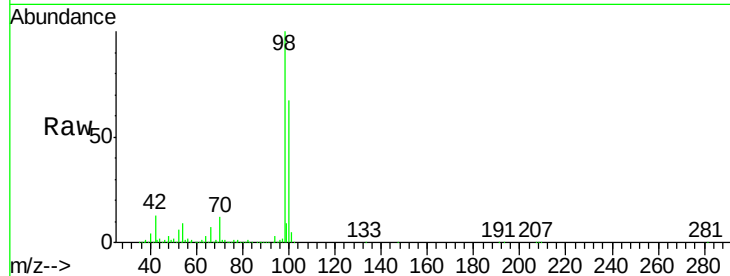
#63
Toluene-d8
Concen: 30.611 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion: 98 Resp: 326262
Ion Ratio Lower Upper
98 100
100 66.8 52.5 78.7

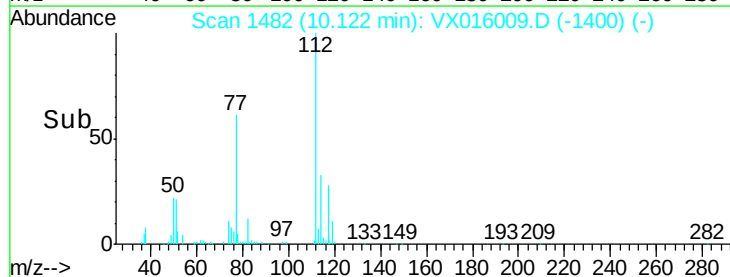
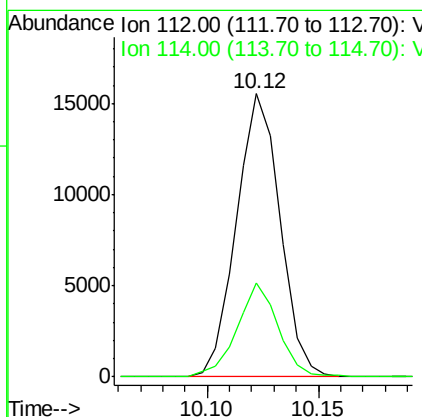
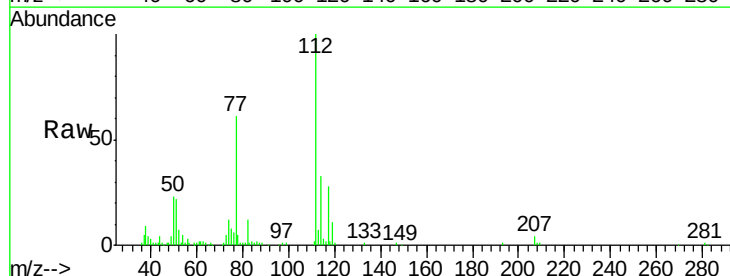
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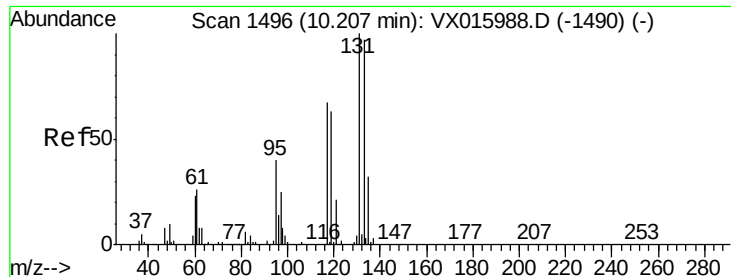
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#64
Chlorobenzene
Concen: 2.511 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion: 112 Resp: 21221
Ion Ratio Lower Upper
112 100
114 33.1 25.8 38.6





#65

1,1,1,2-Tetrachloroethane

Concen: 2.239 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

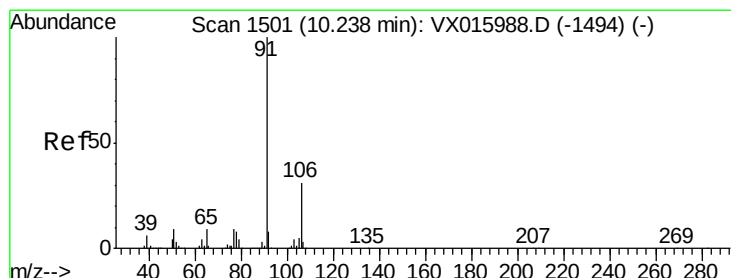
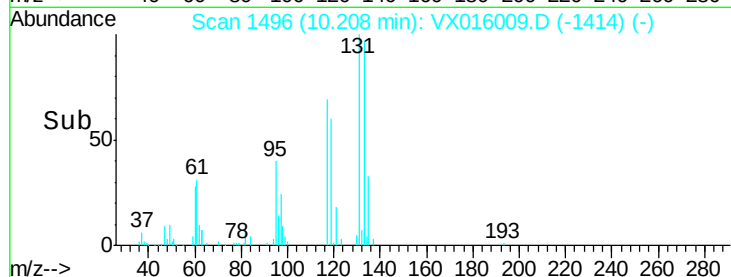
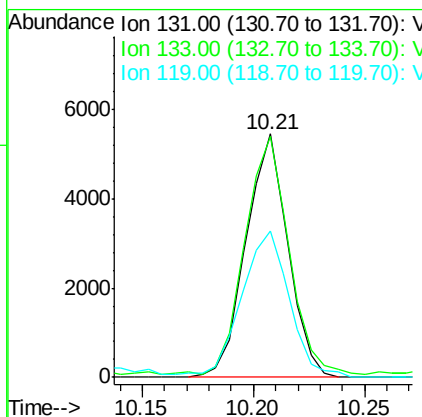
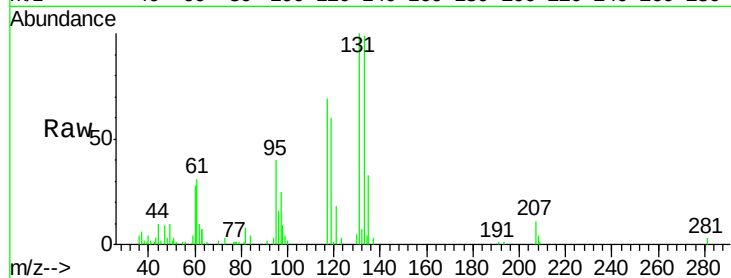
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	131	Resp:	7184
Ion Ratio	Lower	Upper	
131	100		
133	102.1	0.0	187.0
119	68.4	0.0	129.0

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#66

Ethyl Benzene

Concen: 2.395 ug/l

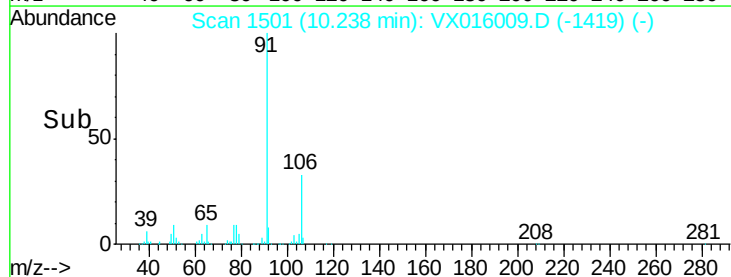
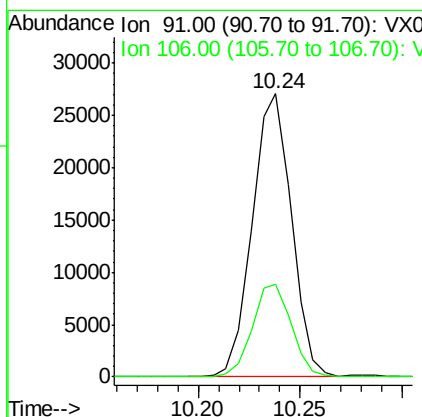
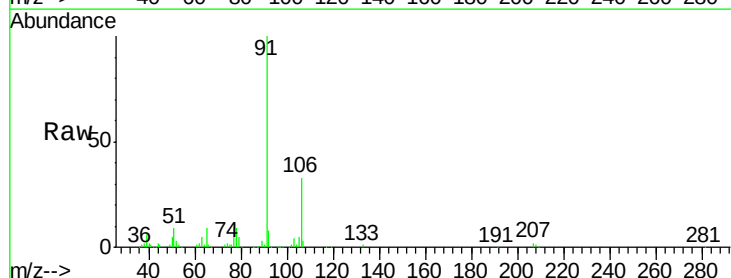
RT: 10.24 min Scan# 1501

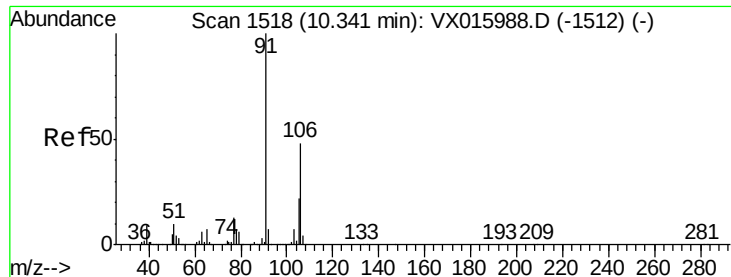
Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Tgt Ion:	91	Resp:	36207
Ion Ratio	Lower	Upper	
91	100		
106	32.7	24.8	37.2





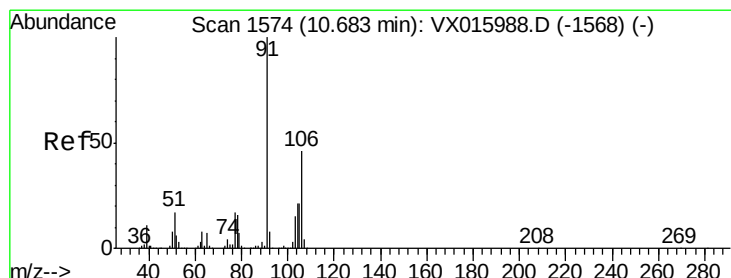
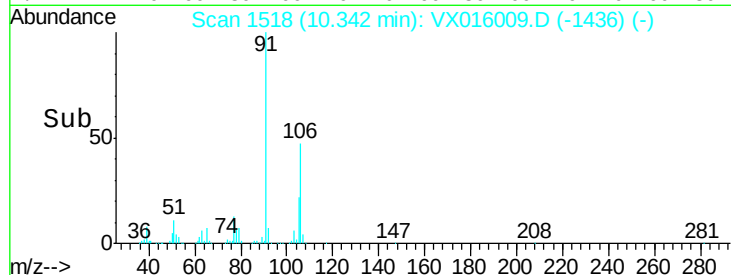
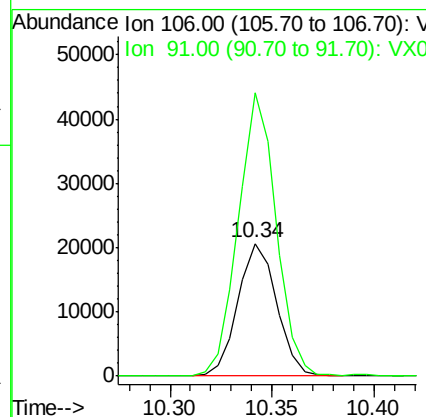
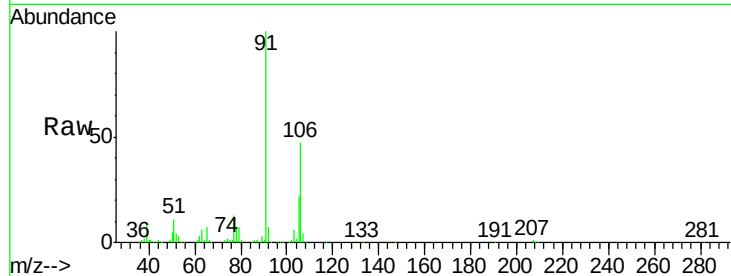
#67
m/p-Xylenes
Concen: 4.719 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion:106 Resp: 27173
Ion Ratio Lower Upper
106 100
91 208.2 164.2 246.4

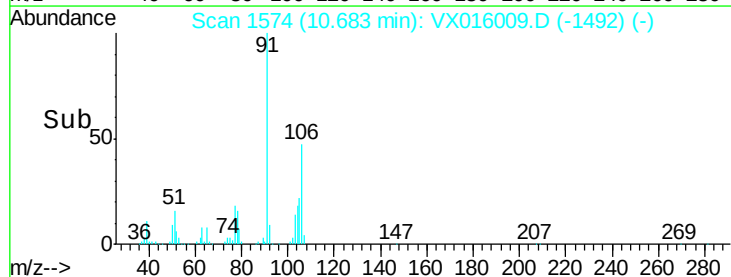
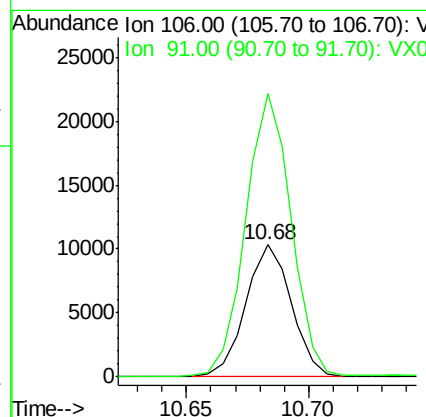
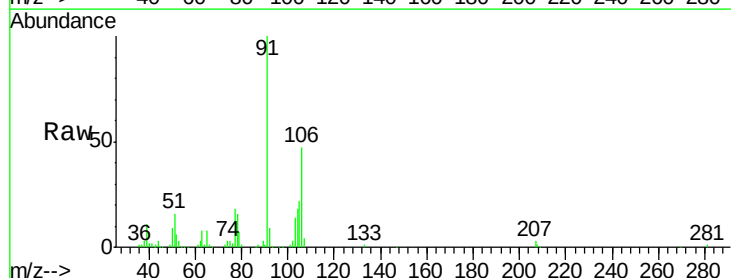
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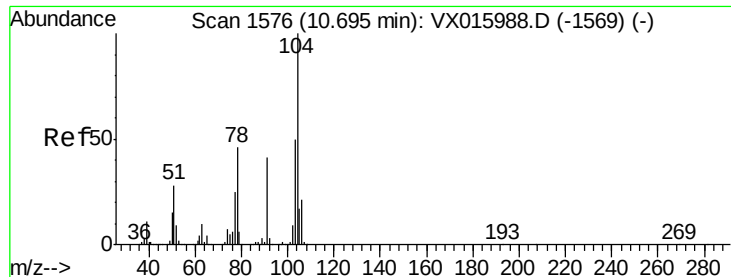
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#68
o-Xylene
Concen: 2.413 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion:106 Resp: 13401
Ion Ratio Lower Upper
106 100
91 213.0 108.3 325.0





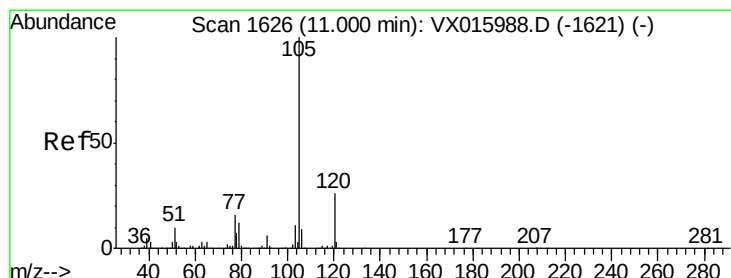
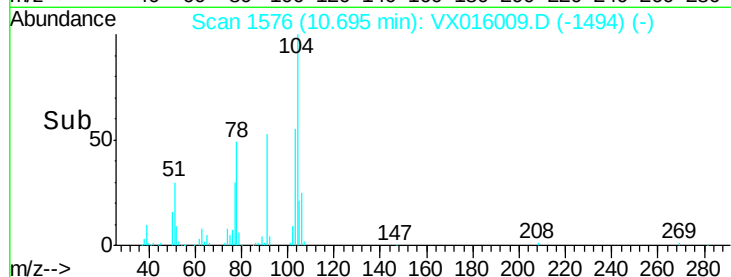
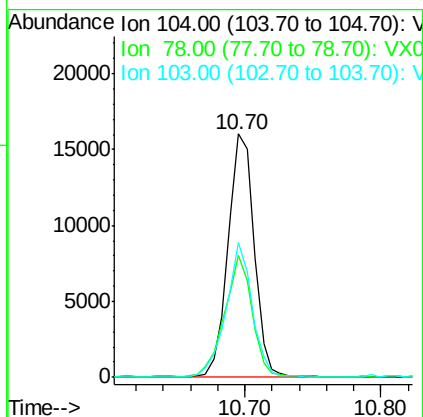
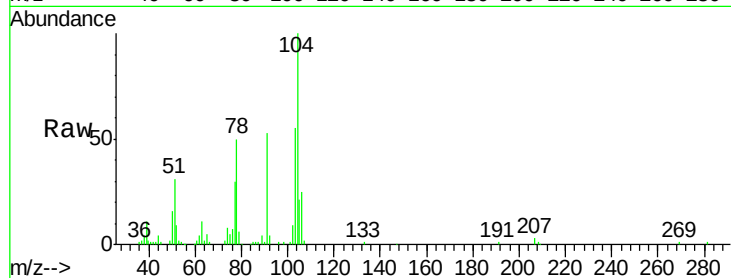
#69
Stvrene
Concen: 2.267 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.9	40.7	61.1
103	55.3	43.0	64.4

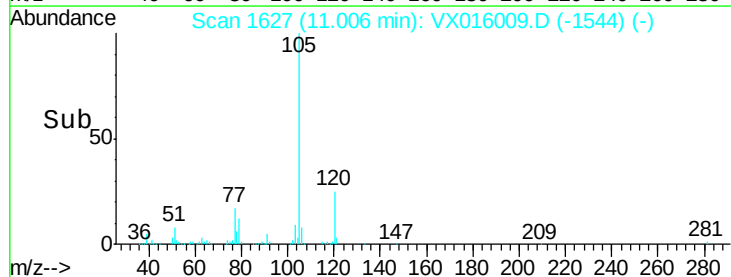
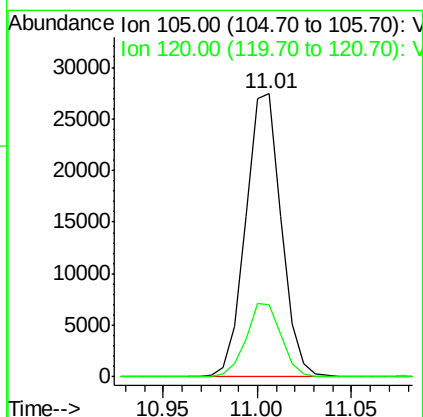
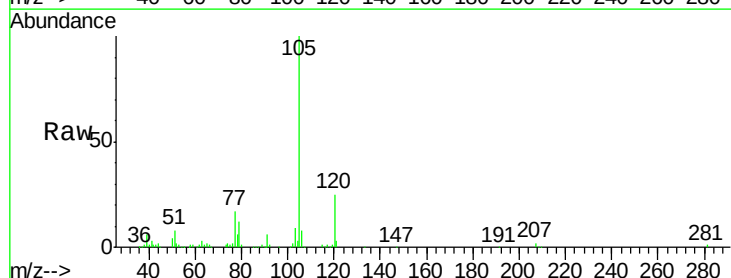
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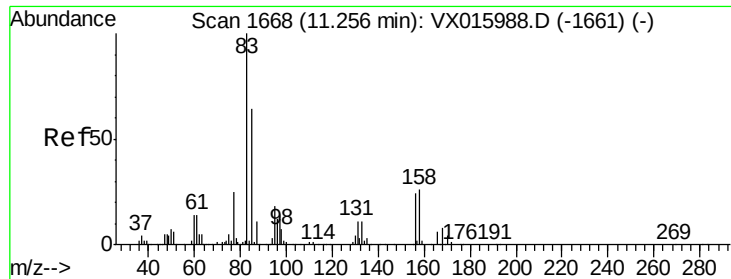
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#70
Isopropylbenzene
Concen: 2.399 ug/l
RT: 11.01 min Scan# 1627
Delta R.T. 0.01 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	18.6	34.5





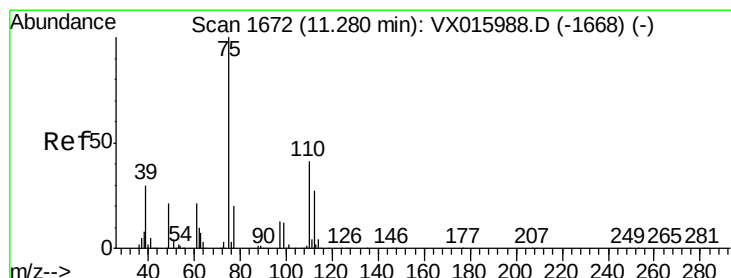
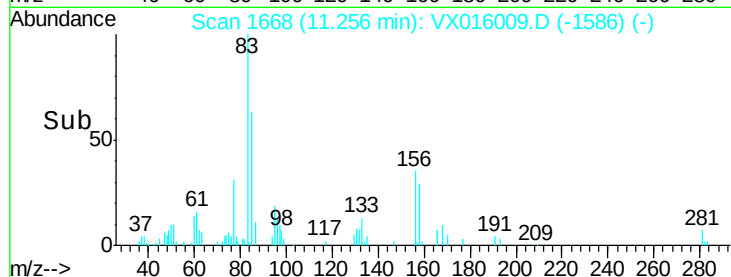
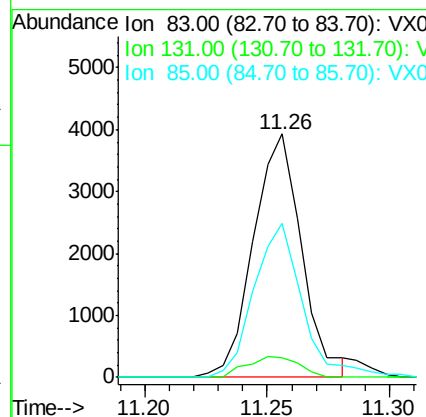
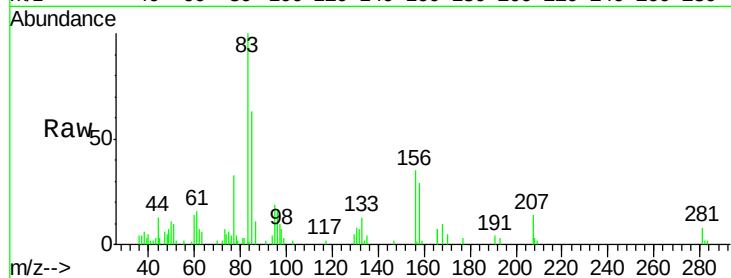
#71
 1,1,2,2-Tetrachloroethane
 Concen: 1.938 ug/l
 RT: 11.26 min Scan# 1668
 Delta R.T. 0.00 min
 Lab File: VX016009.D
 Acq: 01 May 2020 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Resp	Lower	Upper
83	100	5400		
131	9.2	5.2	15.6	
85	61.5	33.0	98.9	

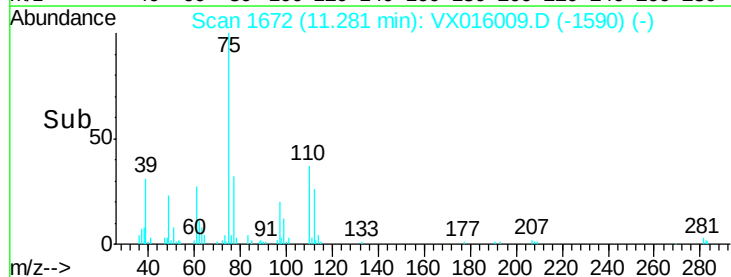
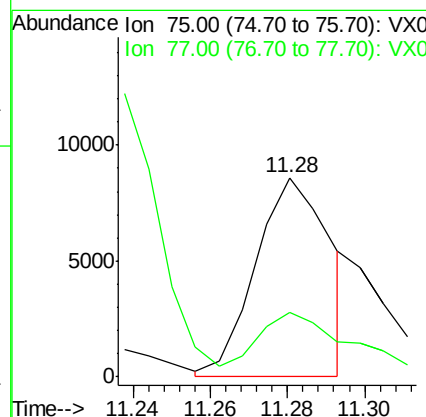
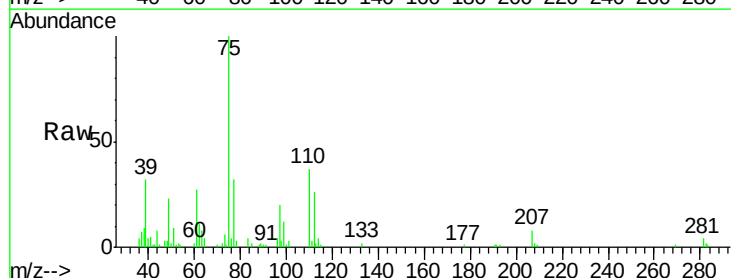
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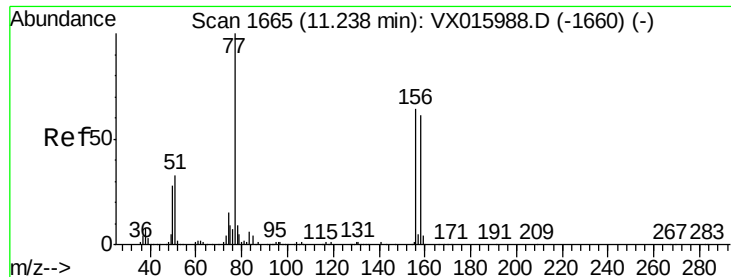
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#72
 1,2,3-Trichloropropane
 Concen: 2.549 ug/l m
 RT: 11.28 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VX016009.D
 Acq: 01 May 2020 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	11505		
77	41.9	0.0	86.0	





#73

Bromobenzene

Concen: 2.410 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

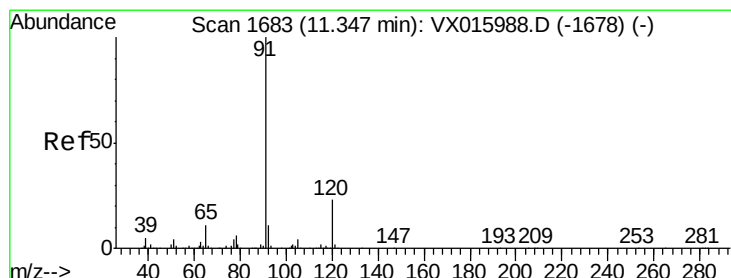
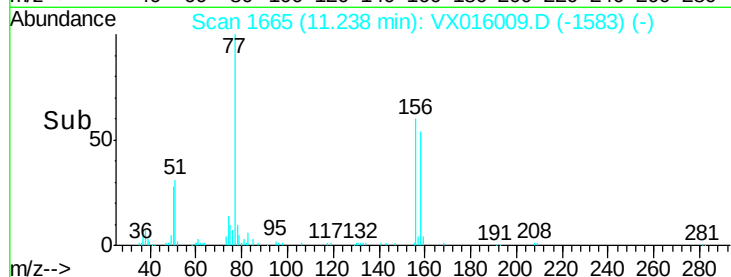
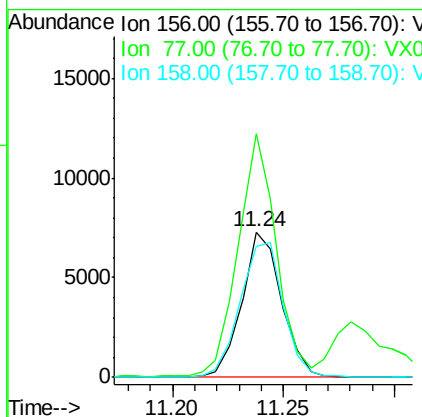
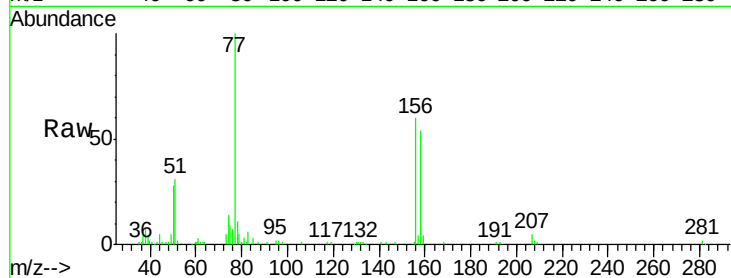
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	156	Resp:	9106
Ion Ratio	Lower	Upper	
156	100		
77	160.1	0.0	318.0
158	100.7	0.0	193.2

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#74

n-propylbenzene

Concen: 2.365 ug/l

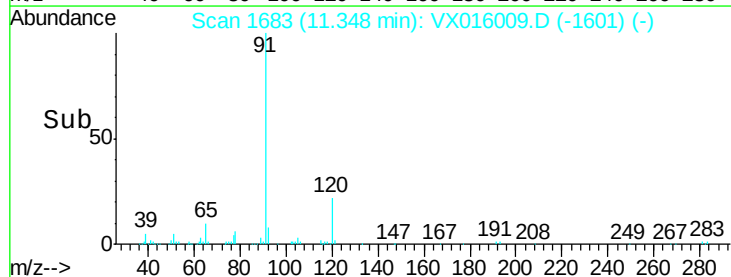
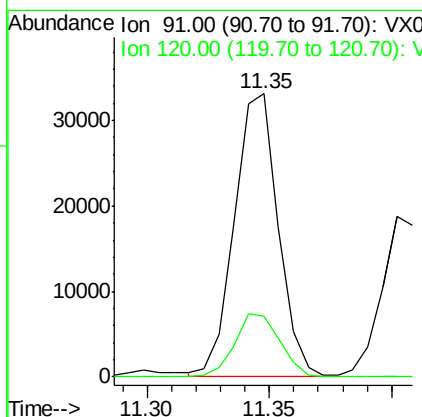
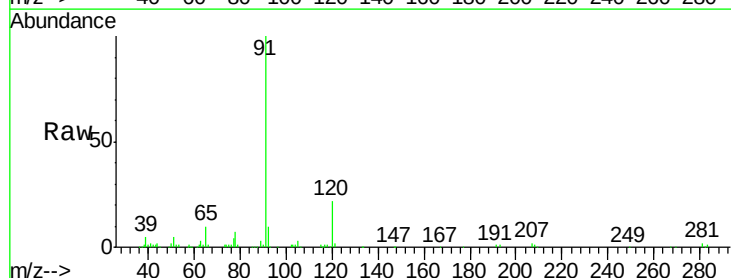
RT: 11.35 min Scan# 1683

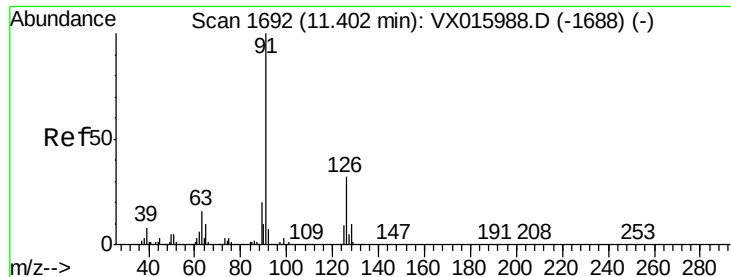
Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Tgt Ion:	91	Resp:	41176
Ion Ratio	Lower	Upper	
91	100		
120	23.1	0.0	45.4





#75

2-Chlorotoluene

Concen: 2.406 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 91 Resp: 24620

Ion Ratio Lower Upper

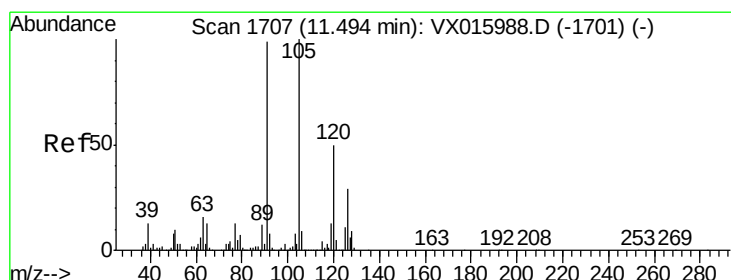
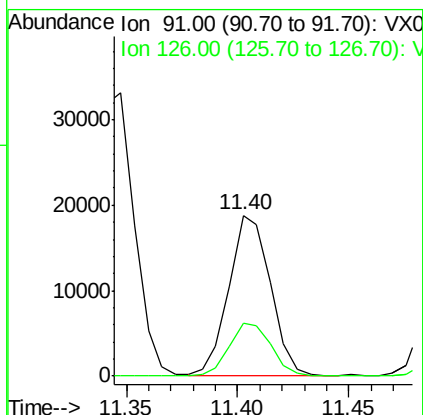
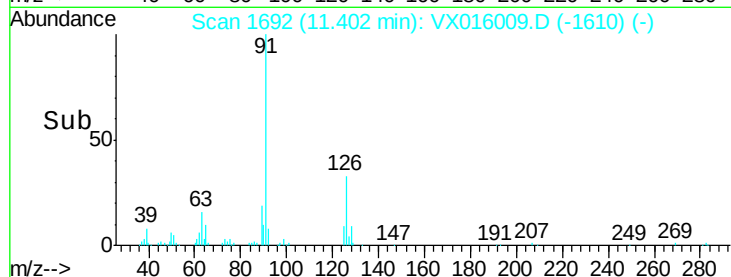
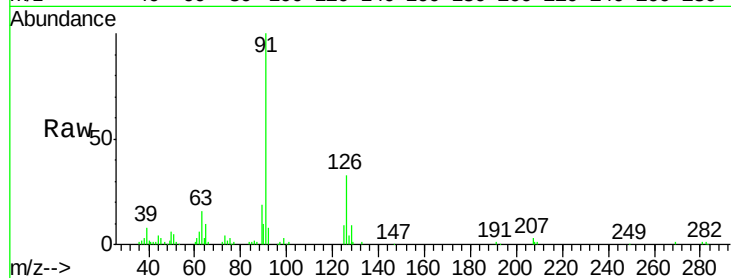
91 100

126 33.6 0.0 66.2

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#76

1,3,5-Trimethylbenzene

Concen: 2.286 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX016009.D

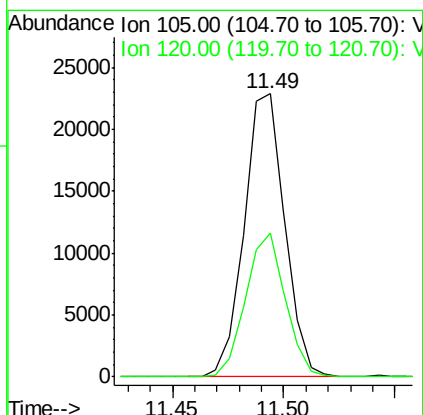
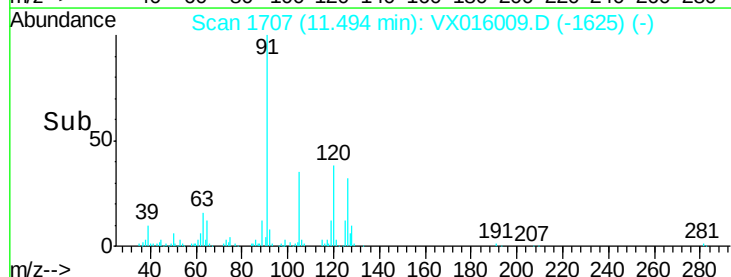
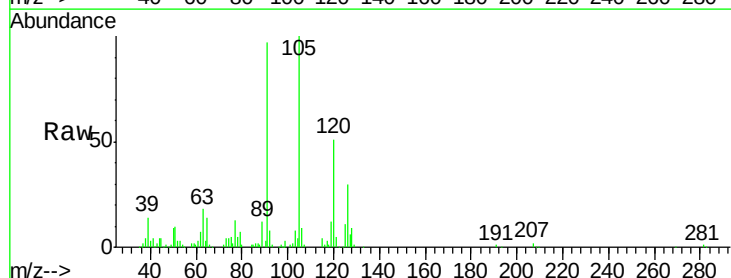
Acq: 01 May 2020 14:23

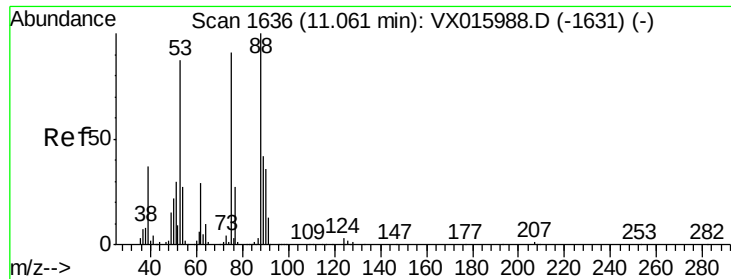
Tgt Ion: 105 Resp: 29085

Ion Ratio Lower Upper

105 100

120 49.7 0.0 99.4





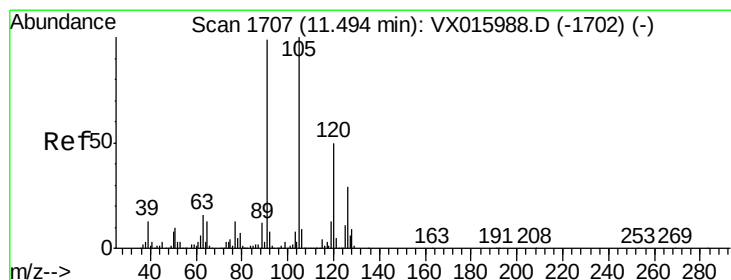
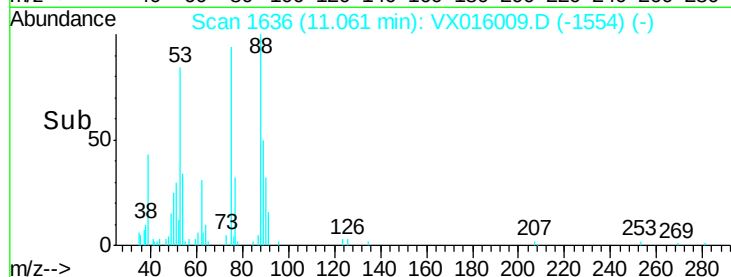
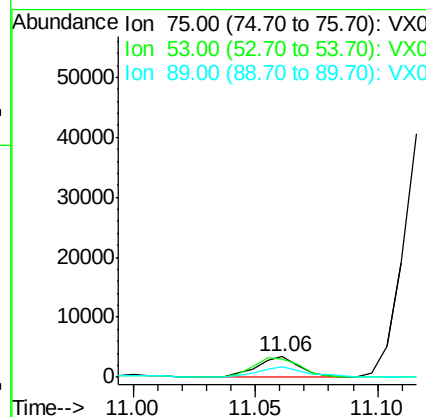
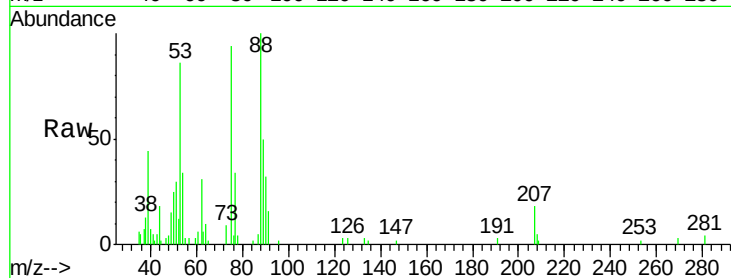
#77
t-1,4-Dichloro-2-butene
Concen: 2.220 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.1	48.0	144.2
89	51.7	23.4	70.3

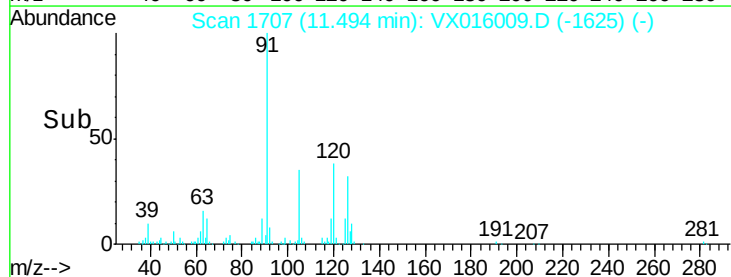
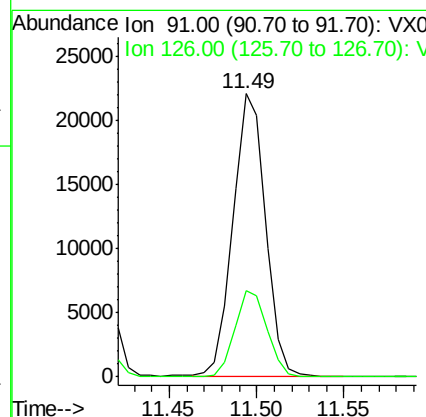
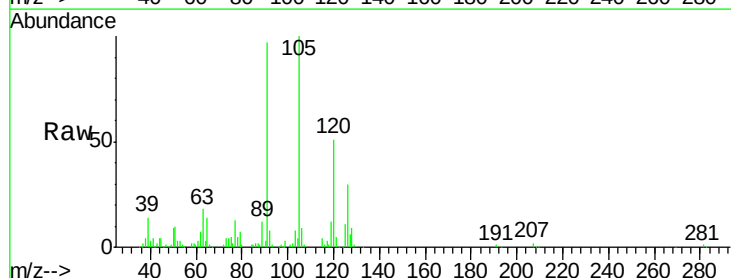
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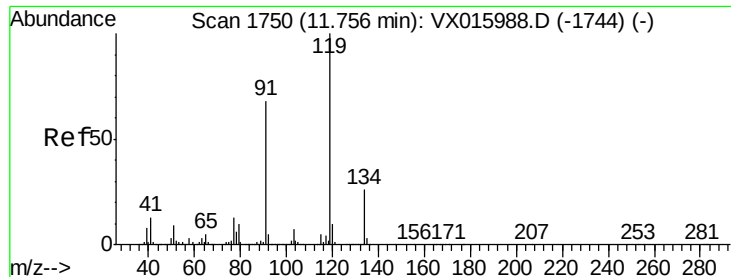
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#78
4-Chlorotoluene
Concen: 2.368 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.1	0.0	58.4





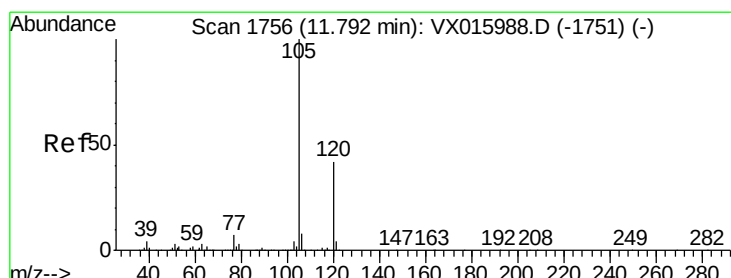
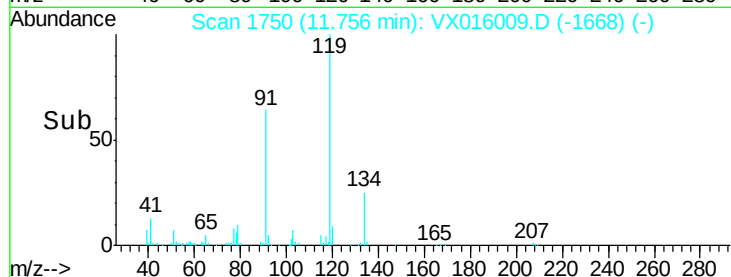
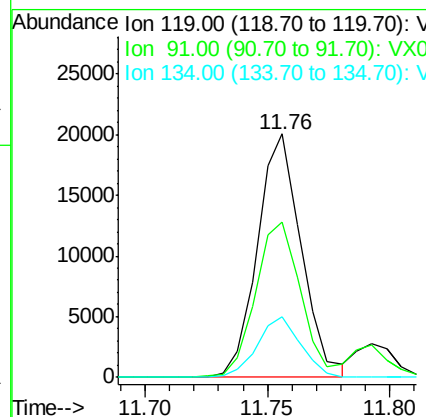
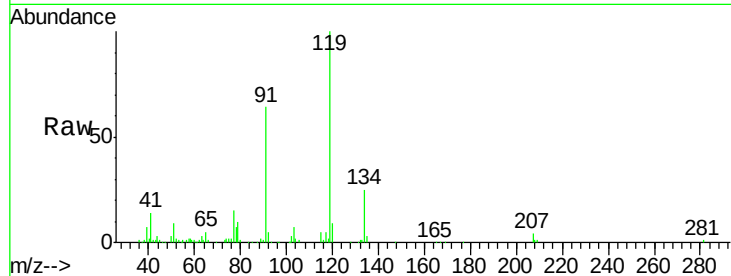
#79
tert-butylbenzene
Concen: 2.300 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Resp	Lower	Upper
119	100	25001		
91	65.0		0.0	135.6
134	24.8		0.0	51.0

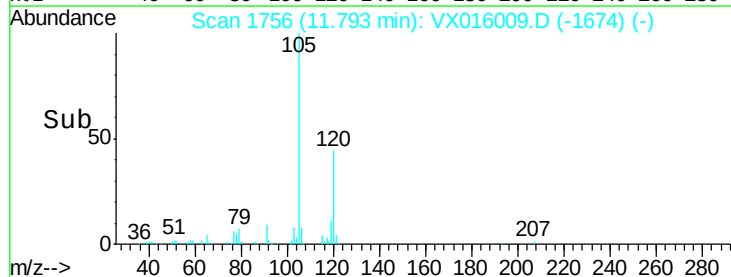
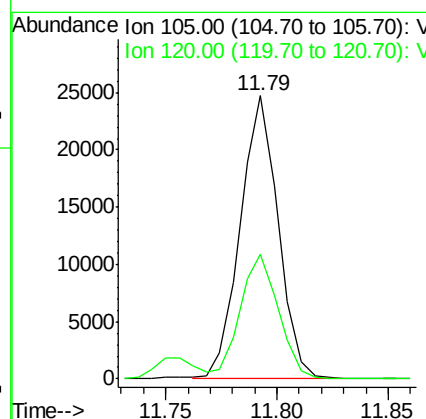
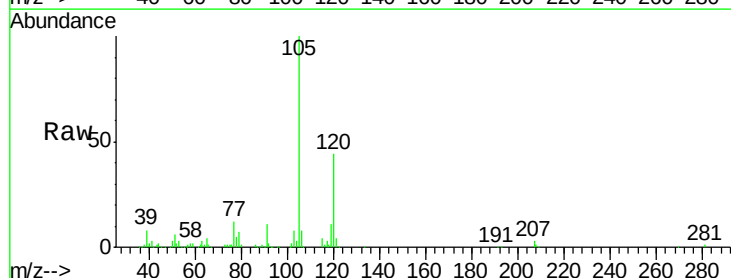
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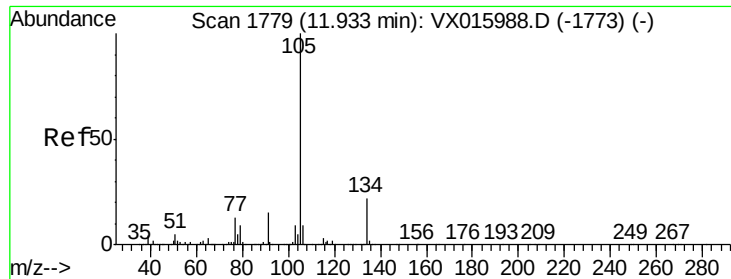
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#80
1,2,4-Trimethylbenzene
Concen: 2.312 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	29398		
120	44.5		0.0	91.0





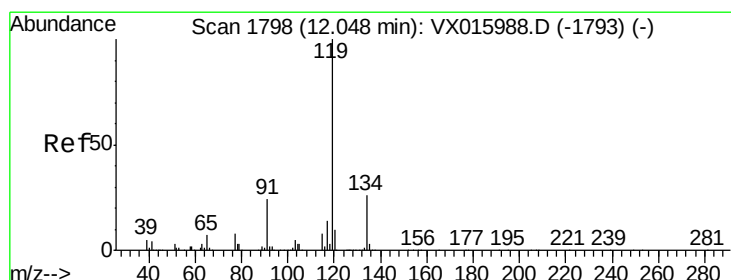
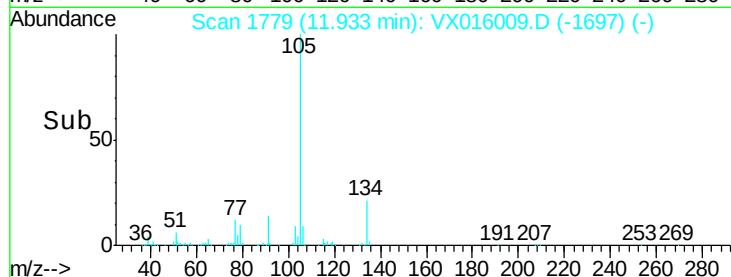
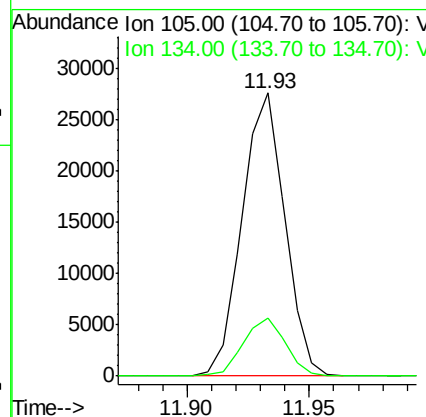
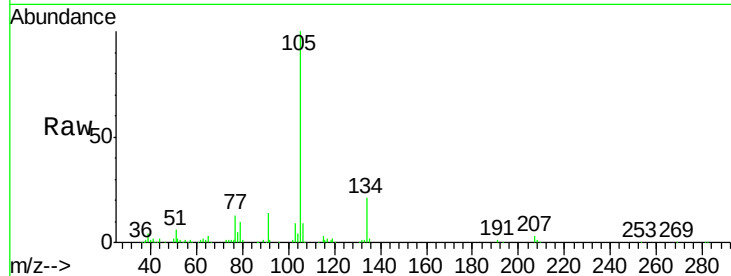
#81
 sec-Butylbenzene
 Concen: 2.293 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VX016009.D
 Acq: 01 May 2020 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Resp	Lower	Upper
105	100	33612		
134	20.3	0.0	41.2	

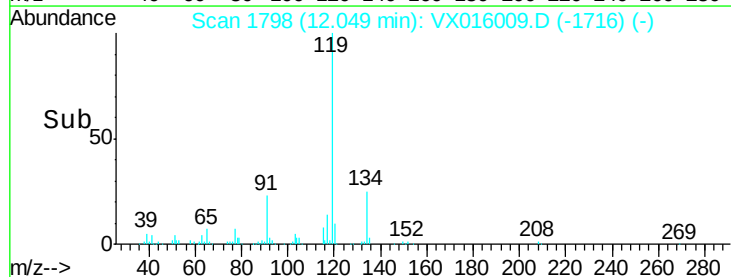
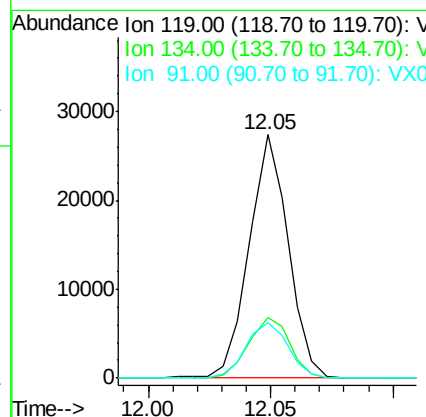
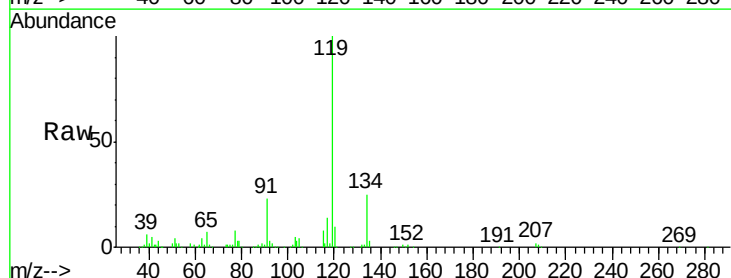
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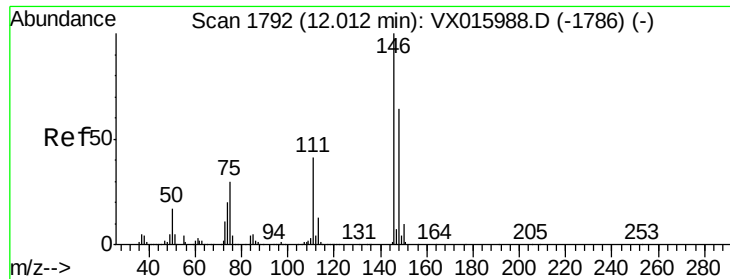
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#82
 p-Isopropyltoluene
 Concen: 2.240 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX016009.D
 Acq: 01 May 2020 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	30432		
134	26.7	0.0	52.6	
91	24.9	0.0	47.6	





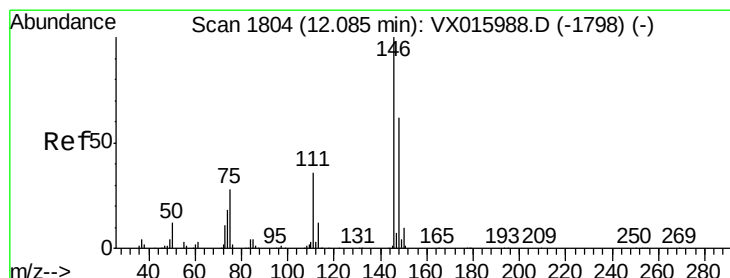
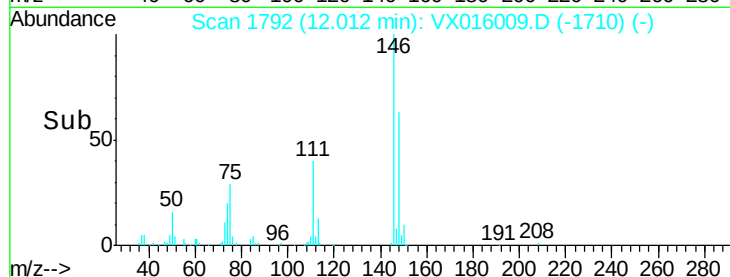
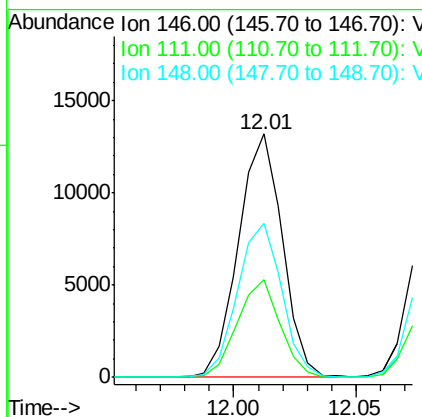
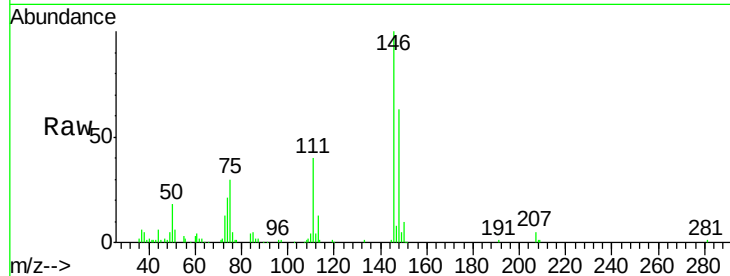
#83
 1,3-Dichlorobenzene
 Concen: 2.432 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX016009.D
 Acq: 01 May 2020 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.4	61.3
148	63.7	31.9	95.9

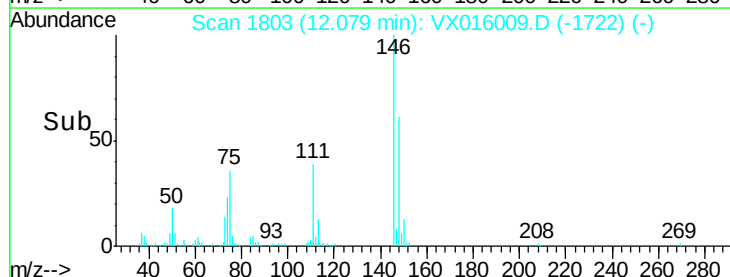
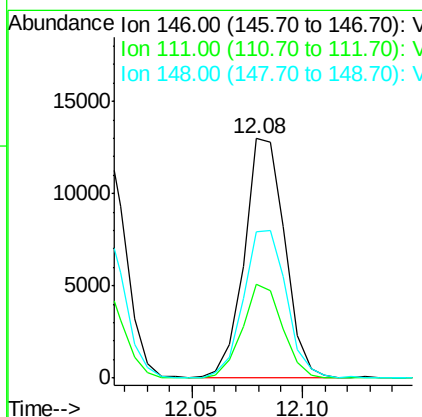
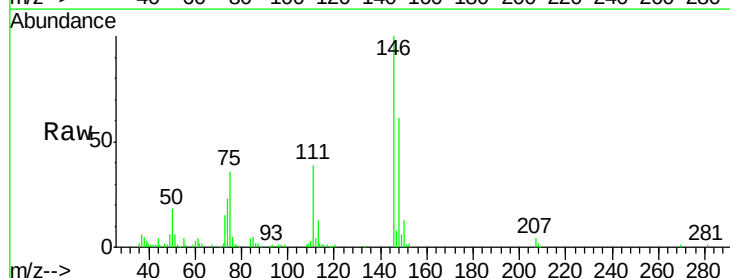
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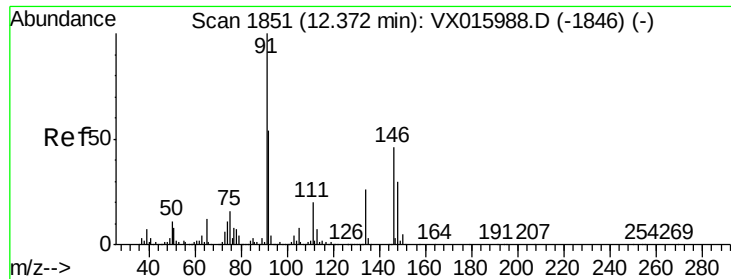
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#84
 1,4-Dichlorobenzene
 Concen: 2.455 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX016009.D
 Acq: 01 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.7	59.0
148	65.0	32.0	96.0





#85

n-Butylbenzene

Concen: 2.202 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

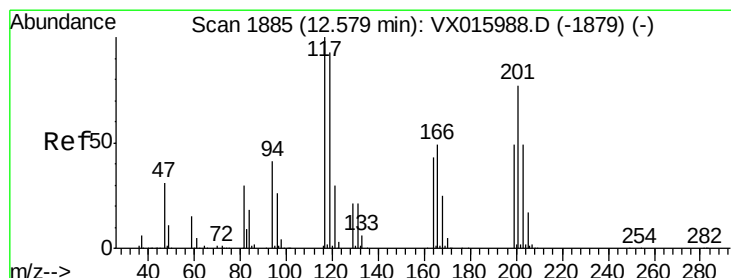
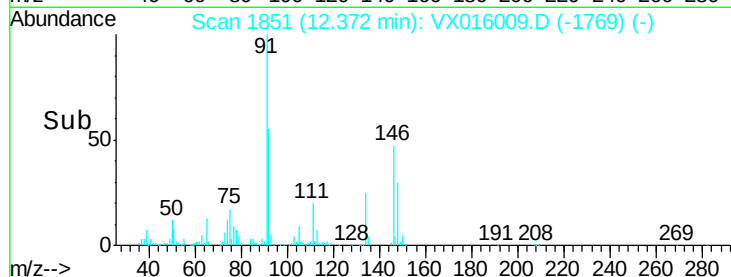
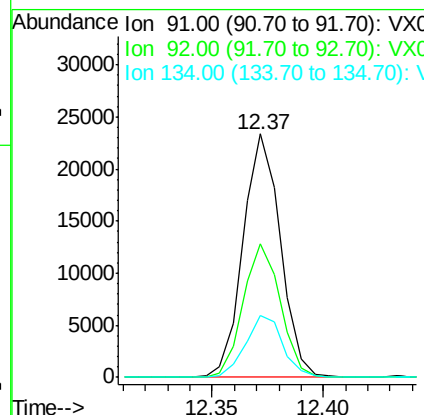
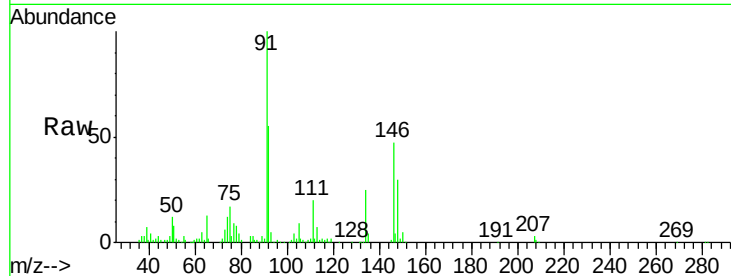
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	91	Resp:	27323
Ion	Ratio	Lower	Upper
91	100		
92	54.9	0.0	110.2
134	25.4	0.0	53.4

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#86

Hexachloroethane

Concen: 1.974 ug/l

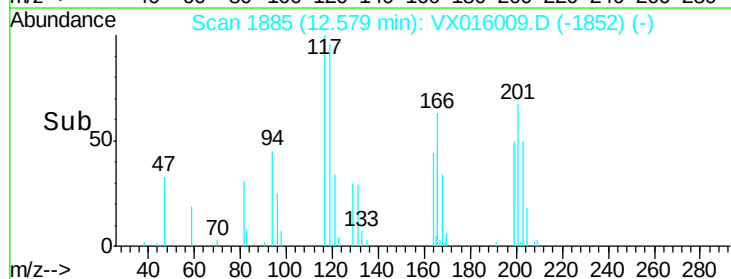
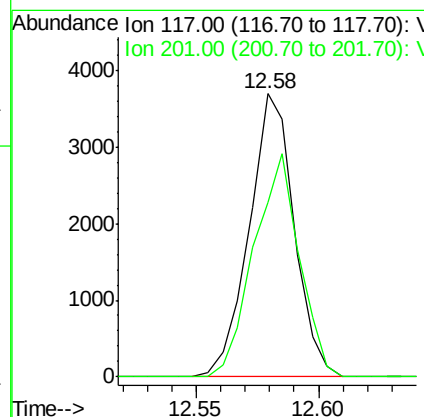
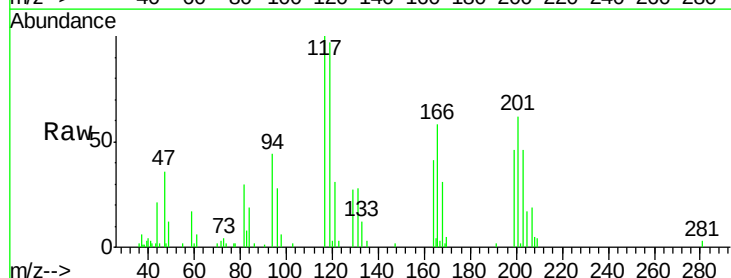
RT: 12.58 min Scan# 1885

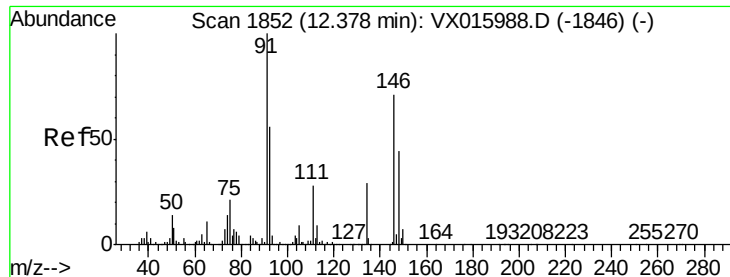
Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Tgt Ion:	117	Resp:	4721
Ion	Ratio	Lower	Upper
117	100		
201	79.7	40.1	120.2





#87

1,2-Dichlorobenzene

Concen: 2.428 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

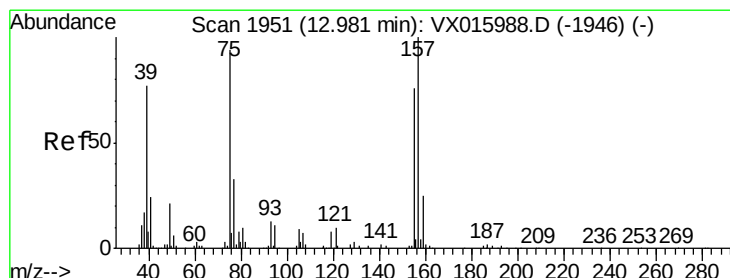
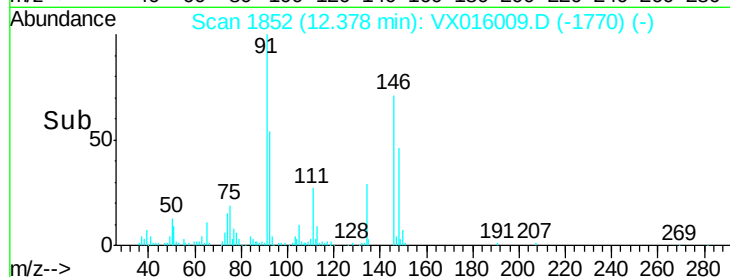
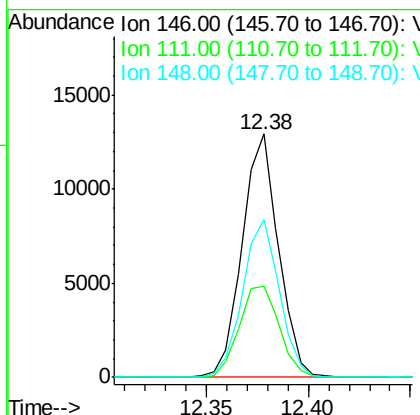
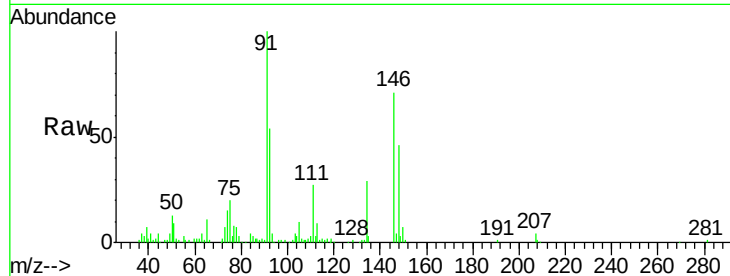
Instrument :
MSVOA_X

ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Resp	Lower	Upper
146	100	15996		
111	41.2	20.7	62.1	
148	65.5	32.0	96.2	

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#88

1,2-Dibromo-3-Chloropropane

Concen: 2.489 ug/l

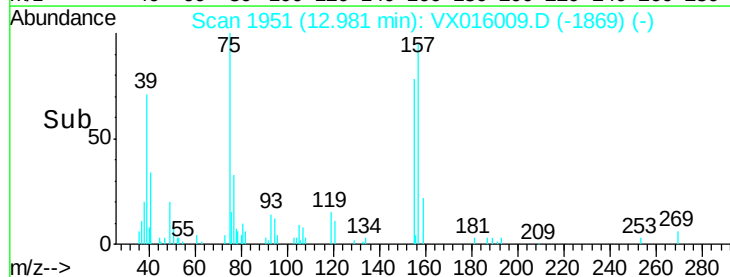
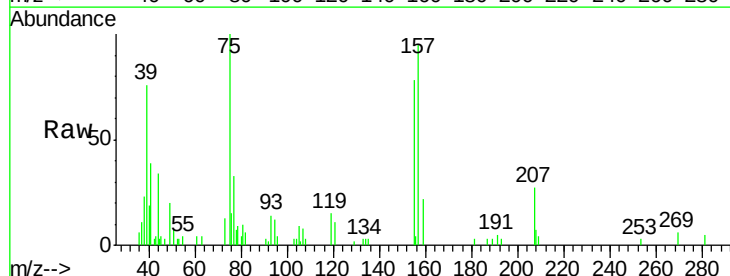
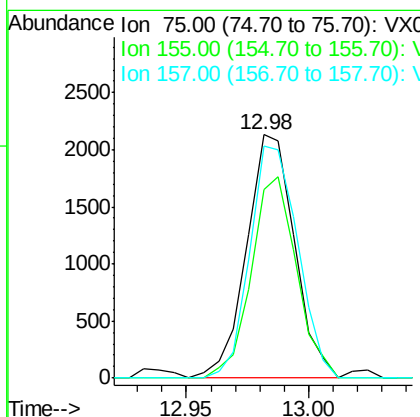
RT: 12.98 min Scan# 1951

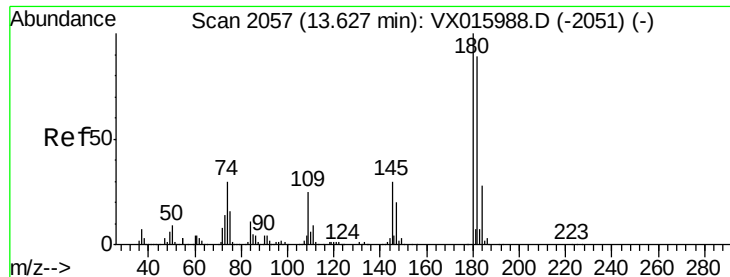
Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	2903		
155	78.0	66.9	100.3	
157	95.3	88.2	132.2	





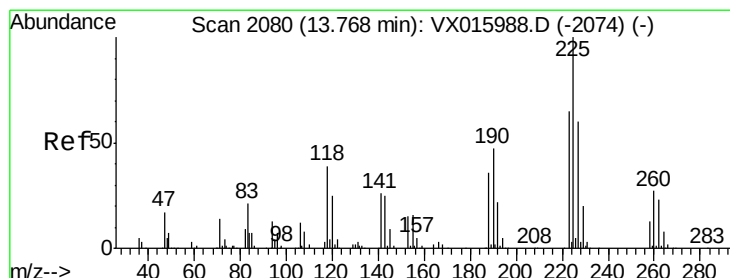
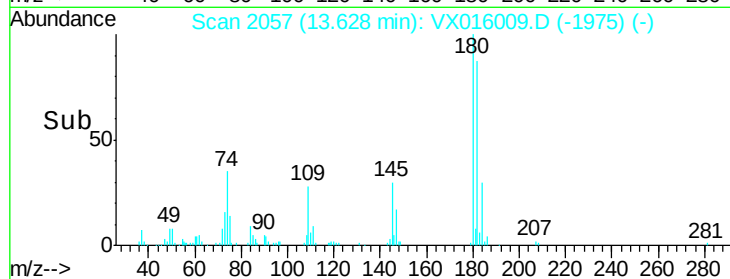
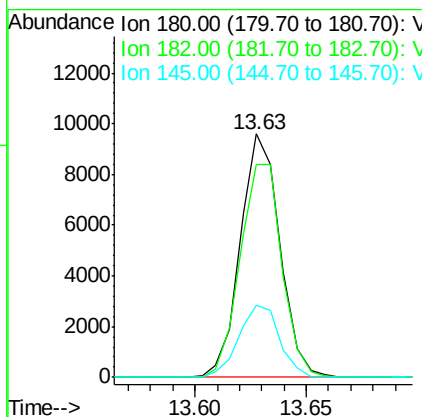
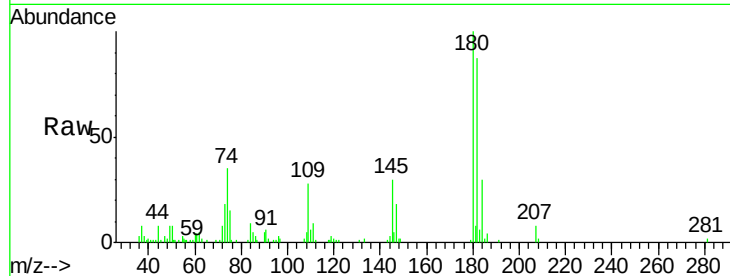
#89
 1,2,4-Trichlorobenzene
 Concen: 2.454 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX016009.D
 Acq: 01 May 2020 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.6	75.0	112.6
145	30.4	23.9	35.9

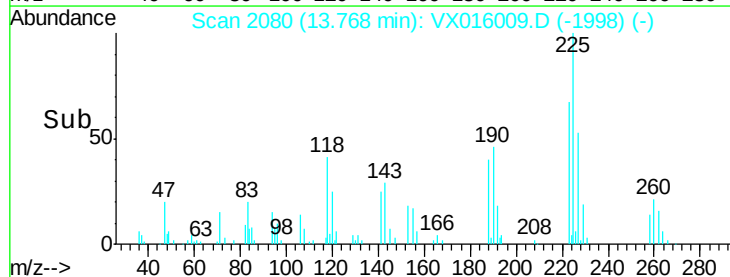
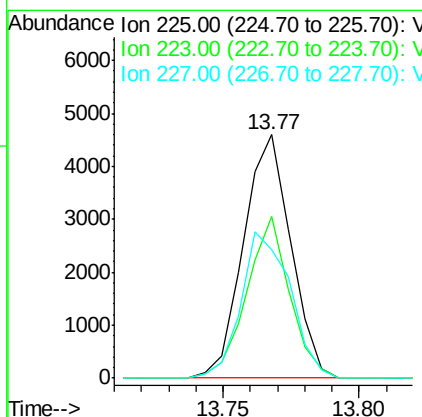
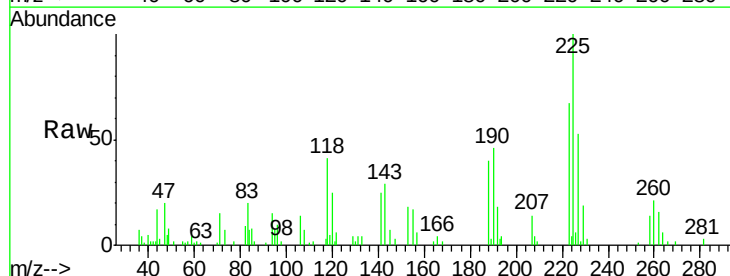
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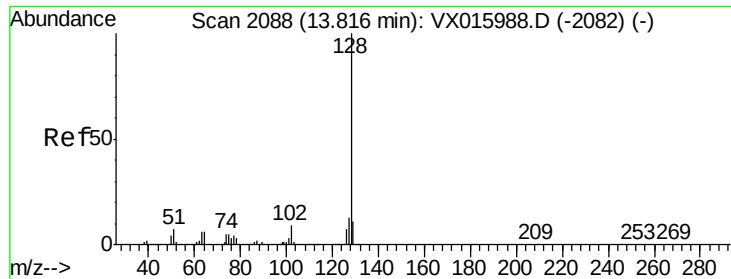
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#90
 Hexachlorobutadiene
 Concen: 2.652 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016009.D
 Acq: 01 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.4	0.0	123.6
227	62.6	0.0	123.6





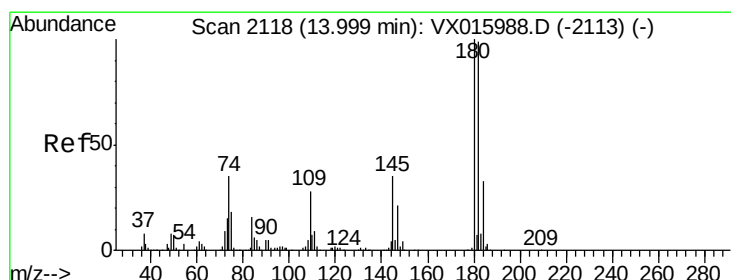
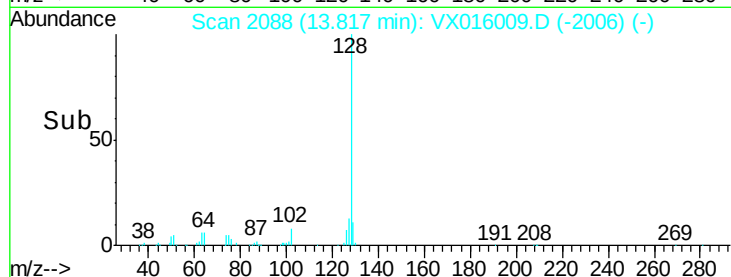
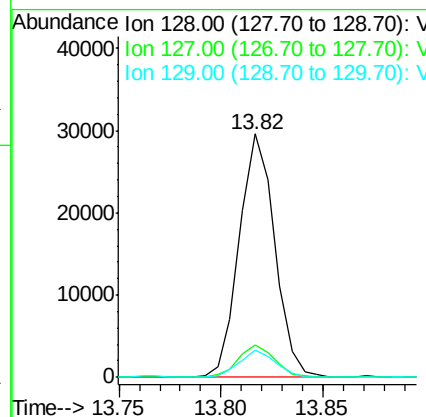
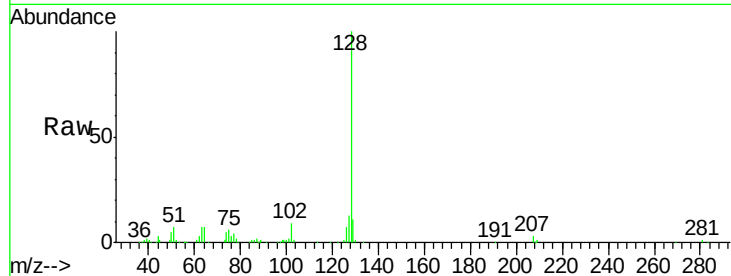
#91
Naphthalene
Concen: 2.324 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Resp	Lower	Upper
128	100	35898		
127	13.7		10.5	15.7
129	11.3		8.6	13.0

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#92
1,2,3-Trichlorobenzene
Concen: 2.472 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	11521		
182	92.6		0.0	197.2
145	33.8		0.0	66.0

