

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050620\
 Data File : VX016079.D
 Acq On : 06 May 2020 13:27
 Operator : JC/SP
 Sample : L2182-09 .75PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 5/8/2020 11:54:57 AM

Quant Time: May 07 07:56:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 07 07:43:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	298559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	476652	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	430513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	206981	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	183410	46.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.36%	
35) Dibromofluoromethane	5.47	113	137963	45.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.38%	
50) Toluene-d8	8.70	98	545736	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	
62) 4-Bromofluorobenzene	11.12	95	196252	44.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.68%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.18	85	2065	0.653	ug/l	89
3) Chloromethane	1.32	50	2826	0.770	ug/l	99
4) Vinyl Chloride	1.39	62	2770	0.707	ug/l	95
5) Bromomethane	1.64	94	2041	1.034	ug/l	94
6) Chloroethane	1.71	64	1727	0.725	ug/l	99
7) Trichlorofluoromethane	1.92	101	3713	0.722	ug/l	100
8) Diethyl Ether	2.17	74	1929	0.891	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	2.37	101	2321	0.783	ug/l	99
10) Methyl Iodide	2.50	142	2260	0.567	ug/l	93
11) Tert butyl alcohol	3.01	59	3550	3.573	ug/l #	87
12) 1,1-Dichloroethene	2.35	96	2385	0.768	ug/l	98
13) Acrolein	2.28	56	1923	3.093	ug/l	98
14) Allyl chloride	2.71	41	3889	0.683	ug/l	98
15) Acrylonitrile	3.12	53	7271	3.528	ug/l	99
16) Acetone	2.42	43	6928	3.952	ug/l	94
17) Carbon Disulfide	2.55	76	8342	0.790	ug/l	96
18) Methyl Acetate	2.75	43	3334	0.774	ug/l	97
19) Methyl tert-butyl Ether	3.17	73	7616	0.712	ug/l	98
20) Methylene Chloride	2.84	84	2766	0.765	ug/l #	96
21) trans-1,2-Dichloroethene	3.15	96	2880	0.833	ug/l	95
22) Diisopropyl ether	3.83	45	7943	0.740	ug/l	95
23) Vinyl Acetate	3.79	43	28744	3.043	ug/l	100
24) 1,1-Dichloroethane	3.68	63	4307	0.717	ug/l #	94
25) 2-Butanone	4.64	43	10098	3.575	ug/l	100
26) 2,2-Dichloropropane	4.55	77	4000	0.729	ug/l	95
27) cis-1,2-Dichloroethene	4.57	96	3115	0.824	ug/l	87
28) Bromochloromethane	4.98	49	1913	0.699	ug/l #	94
29) Tetrahydrofuran	5.10	42	7013	3.747	ug/l	95
30) Chloroform	5.18	83	4458	0.746	ug/l #	81
31) Cyclohexane	5.56	56	3989	0.731	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	3950	0.727	ug/l #	46
36) 1,1-Dichloropropene	5.78	75	3703	0.789	ug/l #	78
37) Ethyl Acetate	4.81	43	3407	0.627	ug/l #	87
38) Carbon Tetrachloride	5.75	117	3359	0.704	ug/l #	88

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

39) Methylcyclohexane	7.45	83	4011	0.710	ug/l #	93
40) Benzene	6.12	78	9986	0.727	ug/l	91
41) Methacrylonitrile	5.01	41	2308	0.786	ug/l	93
42) 1,2-Dichloroethane	6.17	62	4212	0.852	ug/l	90
43) Isopropyl Acetate	6.41	43	6475	0.746	ug/l	99
44) Trichloroethene	7.19	130	3515	0.721	ug/l	92
45) 1,2-Dichloropropane	7.49	63	2518	0.725	ug/l	98
46) Dibromomethane	7.64	93	1722	0.729	ug/l	96
47) Bromodichloromethane	7.88	83	3248	0.676	ug/l #	96
48) Methyl methacrylate	7.74	41	2932	0.713	ug/l	88
49) 1,4-Dioxane	7.73	88	1171	11.876	ug/l #	57
51) 4-Methyl-2-Pentanone	8.62	43	17183	3.236	ug/l	99
52) Toluene	8.77	92	6072	0.710	ug/l	96
53) t-1,3-Dichloropropene	9.02	75	3772	0.658	ug/l #	88
54) cis-1,3-Dichloropropene	8.41	75	4144	0.692	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	2406	0.715	ug/l	92
56) Ethyl methacrylate	9.16	69	3448	0.627	ug/l	96
57) 1,3-Dichloropropane	9.35	76	4116	0.701	ug/l #	86
58) 2-Chloroethyl Vinyl ether	8.29	63	9303	3.180	ug/l	98
59) 2-Hexanone	9.48	43	12026	2.884	ug/l	92
60) Dibromochloromethane	9.57	129	2281	0.615	ug/l	98
61) 1,2-Dibromoethane	9.66	107	2463	0.675	ug/l	99
64) Tetrachloroethene	9.32	164	4104	0.777	ug/l	91
65) Chlorobenzene	10.12	112	6369	0.707	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	2388	0.717	ug/l #	62
67) Ethyl Benzene	10.24	91	11219	0.698	ug/l	95
68) m/p-Xylenes	10.34	106	8255	1.370	ug/l	99
69) o-Xylene	10.68	106	3682	0.636	ug/l	90
70) Styrene	10.69	104	6375	0.649	ug/l	96
71) Bromoform	10.84	173	1632	0.601	ug/l #	93
73) Isopropylbenzene	11.01	105	10202	0.678	ug/l	99
74) N-amyl acetate	10.88	43	4535	0.646	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	1677	0.632	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	3473m	0.739	ug/l	
77) Bromobenzene	11.24	156	2948	0.759	ug/l	95
78) n-propylbenzene	11.34	91	12337	0.704	ug/l	97
79) 2-Chlorotoluene	11.41	91	7377	0.714	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	8536	0.672	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.06	75	1380m	0.700	ug/l	
82) 4-Chlorotoluene	11.50	91	8953	0.733	ug/l	97
83) tert-Butylbenzene	11.76	119	7531	0.687	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	8612	0.670	ug/l	100
85) sec-Butylbenzene	11.93	105	9539	0.645	ug/l	96
86) p-Isopropyltoluene	12.05	119	8969	0.653	ug/l	92
87) 1,3-Dichlorobenzene	12.01	146	4811	0.690	ug/l	94
88) 1,4-Dichlorobenzene	12.08	146	5542m	0.783	ug/l	
89) n-Butylbenzene	12.37	91	8392	0.669	ug/l	97
90) Hexachloroethane	12.58	117	1409	0.597	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	4870	0.725	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	858	0.693	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	3696	0.743	ug/l	97
94) Hexachlorobutadiene	13.77	225	1566	0.681	ug/l	99
95) Naphthalene	13.82	128	10900	0.677	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	3650	0.751	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:168 Resp: 298559

Ion Ratio Lower Upper

168 100

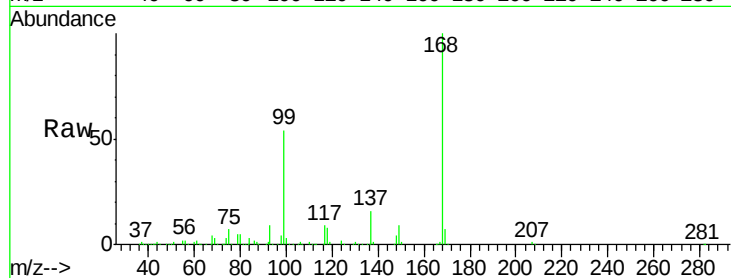
99 54.5 45.0 67.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

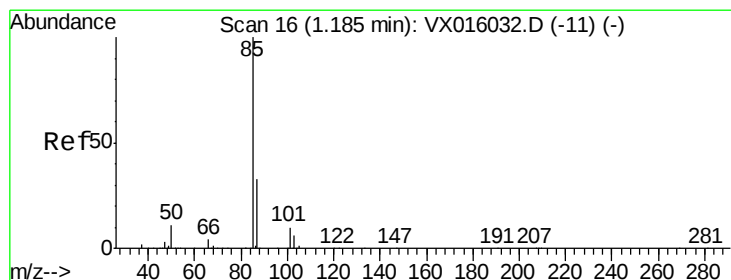
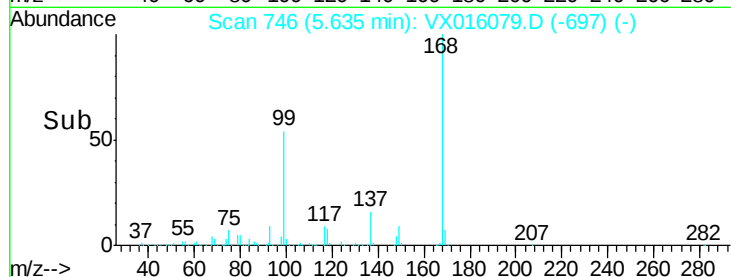
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.653 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016079.D

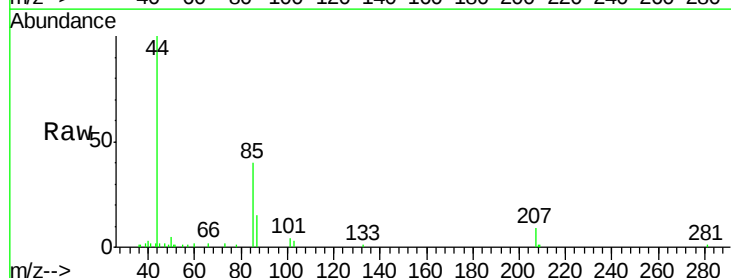
Acq: 06 May 2020 13:27

Tgt Ion: 85 Resp: 2065

Ion Ratio Lower Upper

85 100

87 38.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

2500

2000

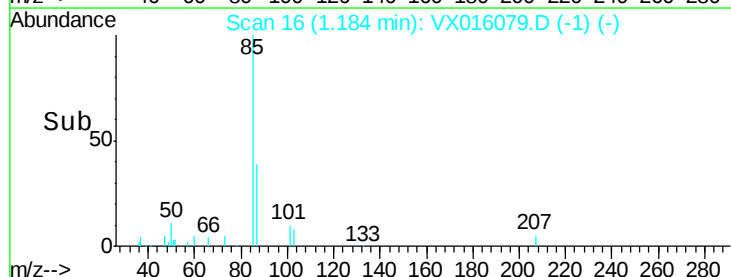
1500

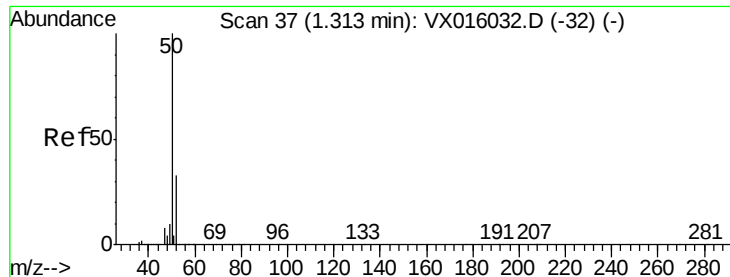
1000

500

0

Time-->





#3

Chloromethane

Concen: 0.770 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 50 Resp: 2826

Ion Ratio Lower Upper

50 100

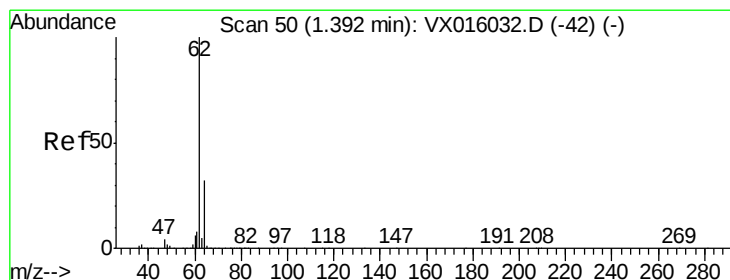
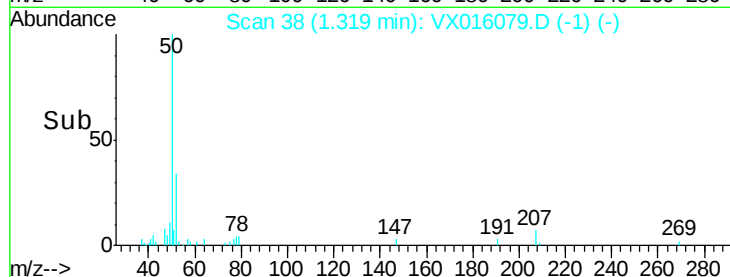
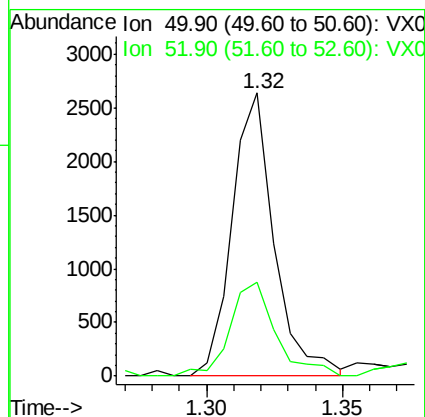
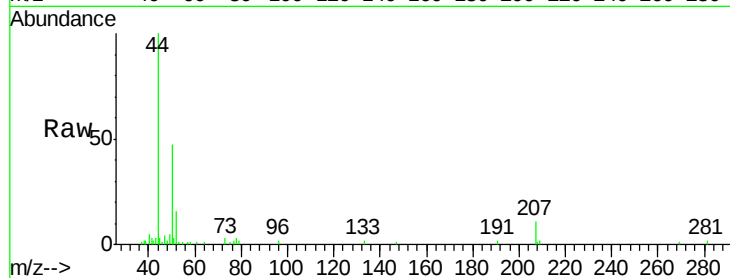
52 33.1 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 0.707 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016079.D

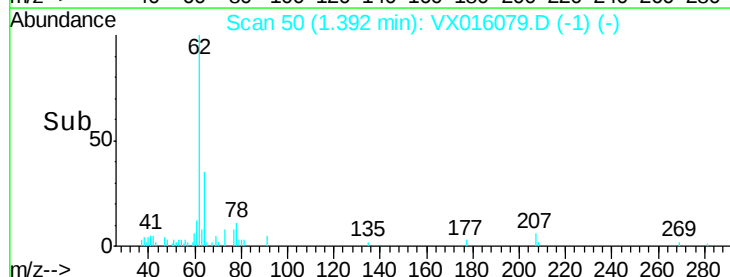
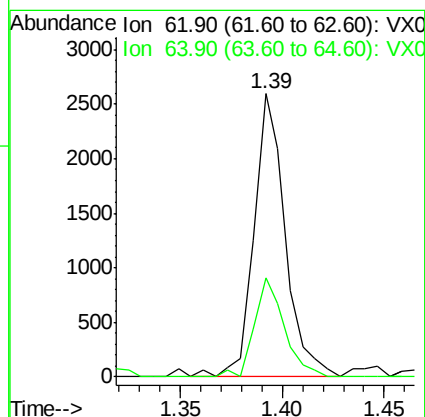
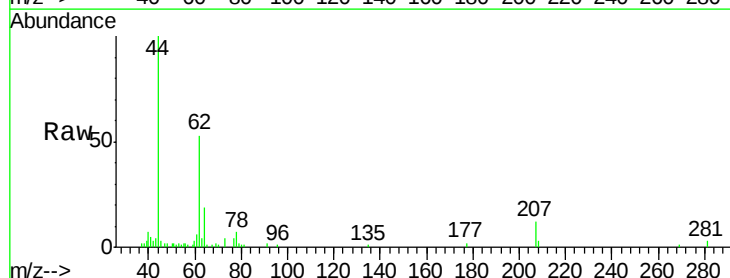
Acq: 06 May 2020 13:27

Tgt Ion: 62 Resp: 2770

Ion Ratio Lower Upper

62 100

64 35.1 25.7 38.5





#5

Bromomethane

Concen: 1.034 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 94 Resp: 2041

Ion Ratio Lower Upper

94 100

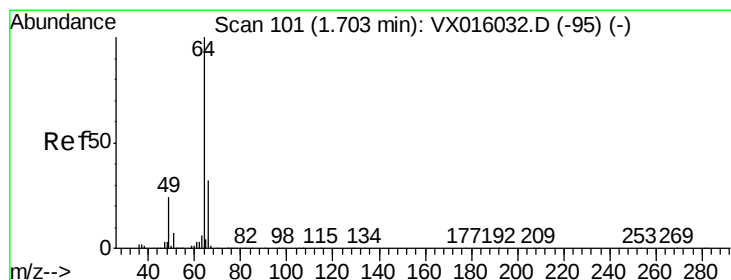
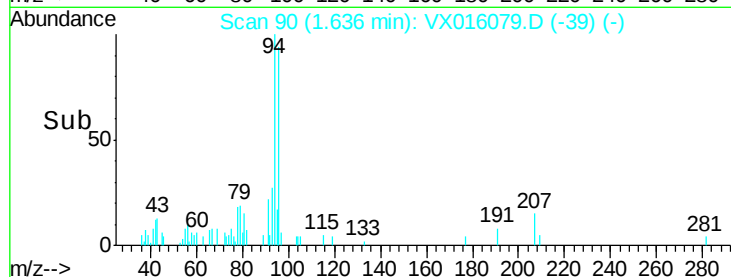
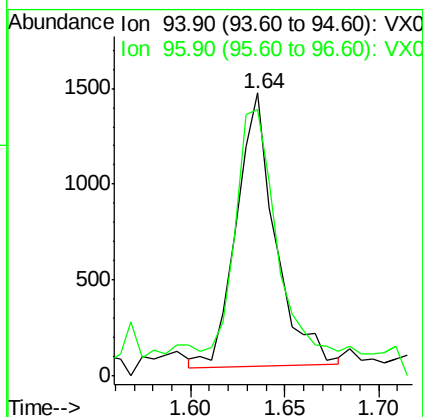
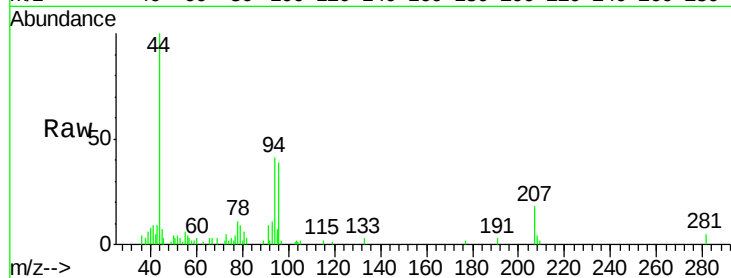
96 90.7 76.9 115.3

Manual Integrations

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#6

Chloroethane

Concen: 0.725 ug/l

RT: 1.71 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX016079.D

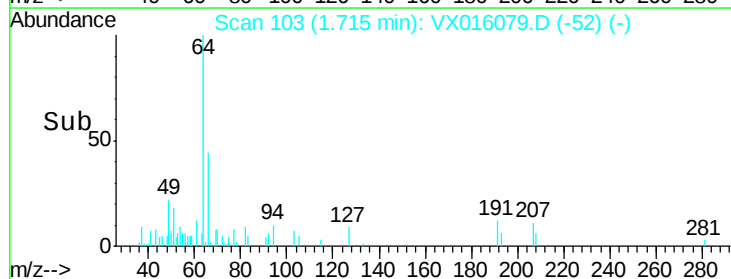
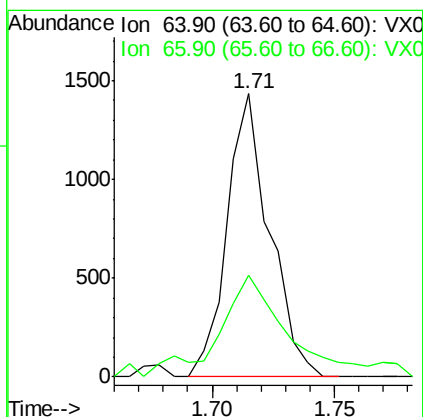
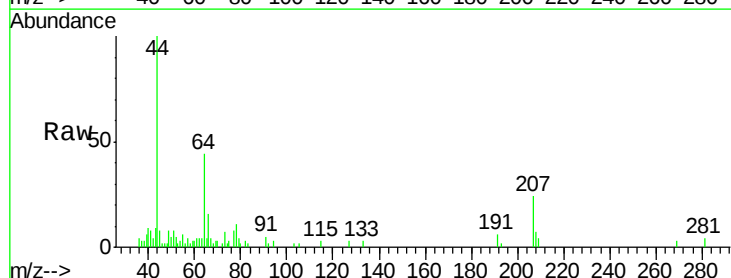
Acq: 06 May 2020 13:27

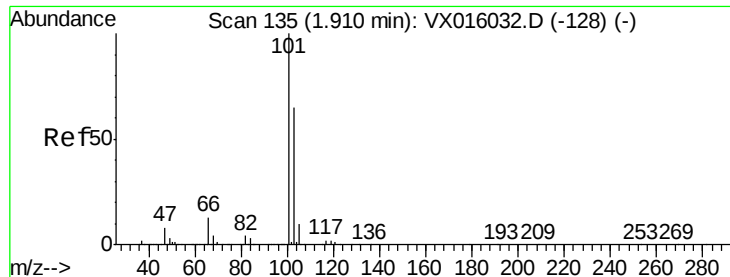
Tgt Ion: 64 Resp: 1727

Ion Ratio Lower Upper

64 100

66 30.8 25.2 37.8





#7

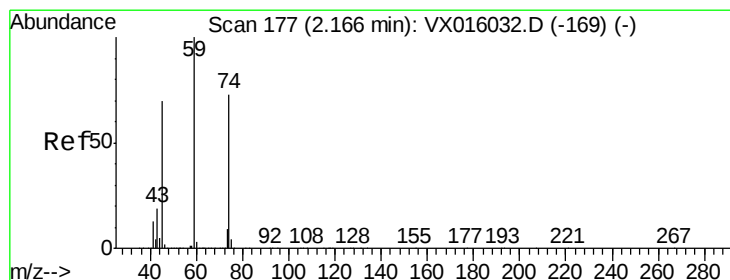
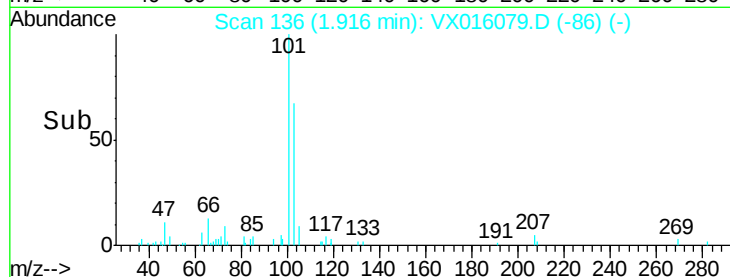
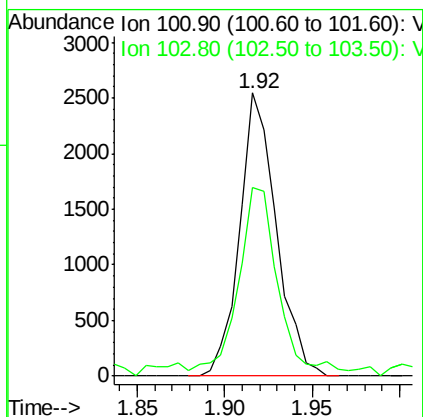
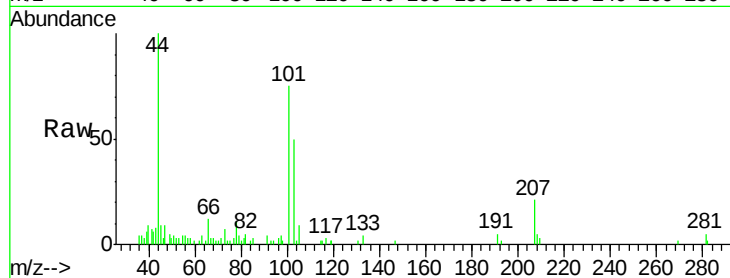
Trichlorofluoromethane
Concen: 0.722 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.01 min
Lab File: VX016079.D
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MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.8	77.6

Manual Integrations
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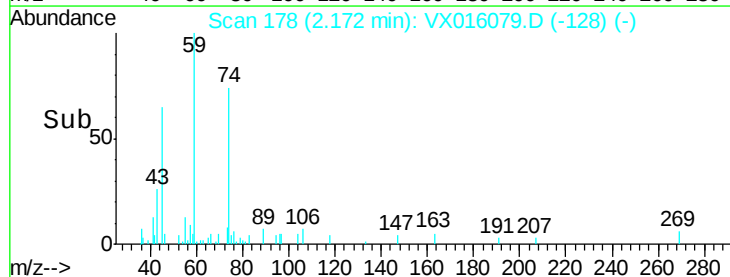
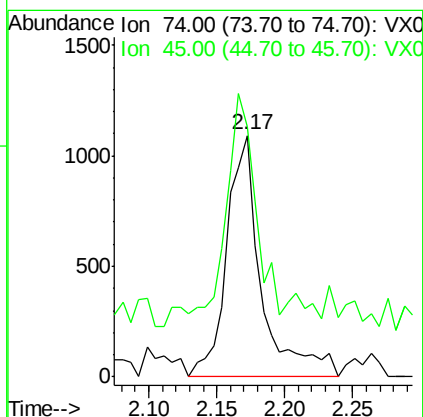
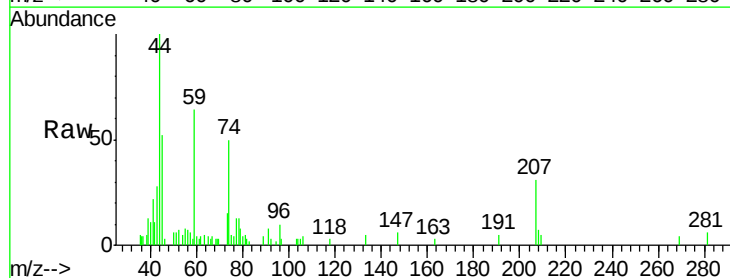
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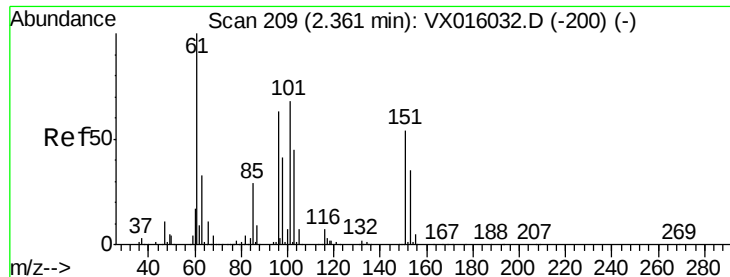


#8

Diethyl Ether
Concen: 0.891 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.01 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	67.7	47.3	142.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.783 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Instrument :

MSVOA_X

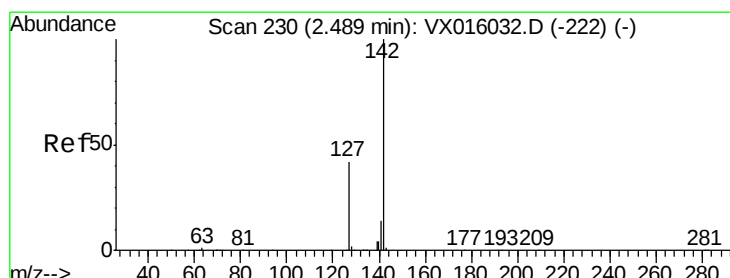
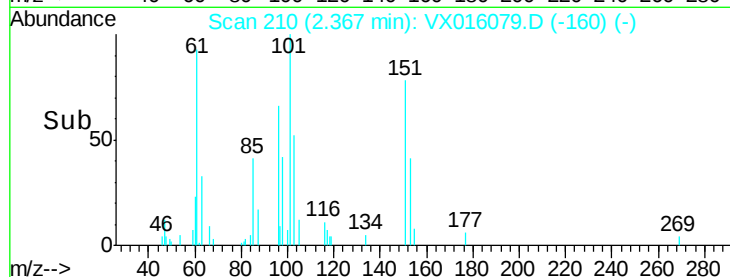
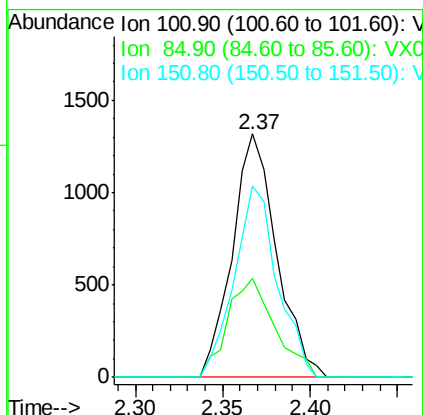
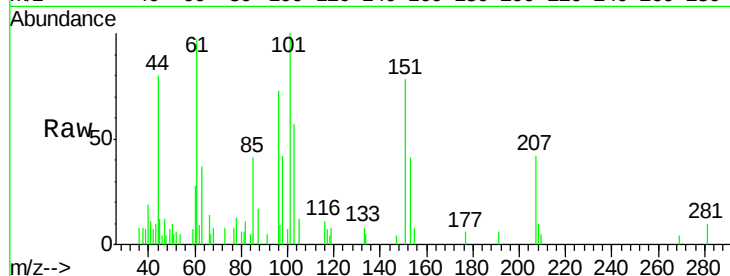
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	101	Resp:	2321
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.2	51.4
151	76.1	62.1	93.1

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5/8/2020 11:54:57 AM



#10

Methyl Iodide

Concen: 0.567 ug/l

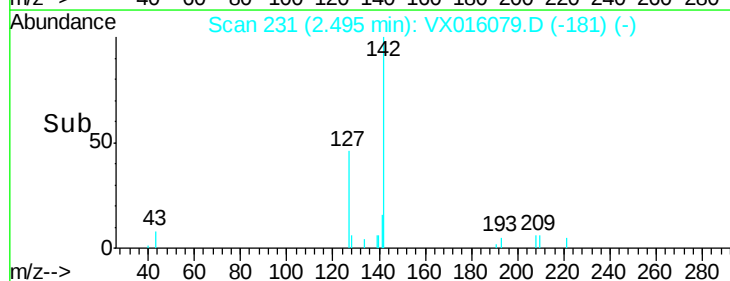
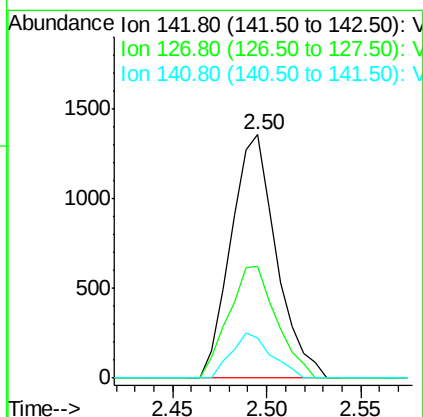
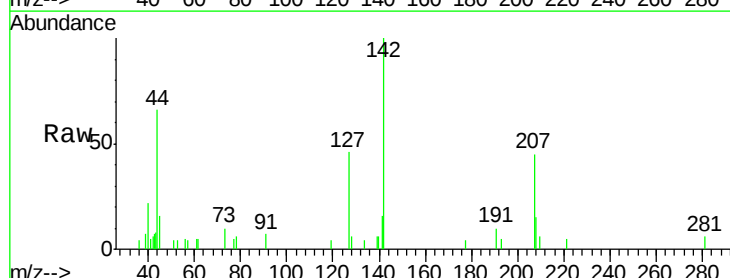
RT: 2.50 min Scan# 231

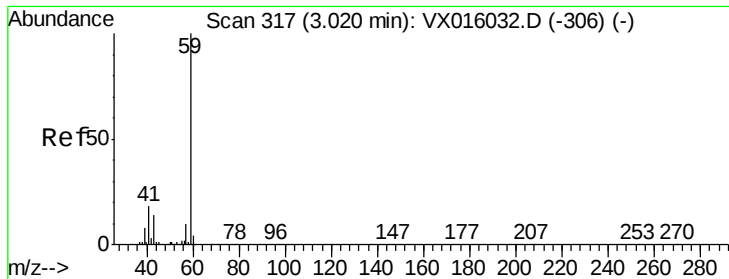
Delta R.T. 0.01 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Tgt Ion:	142	Resp:	2260
Ion Ratio	Lower	Upper	
142	100		
127	48.5	34.6	52.0
141	16.4	11.3	16.9





#11

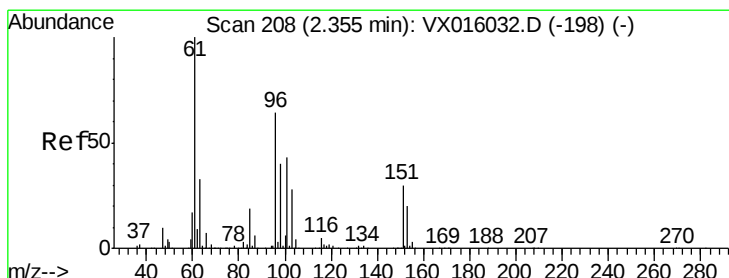
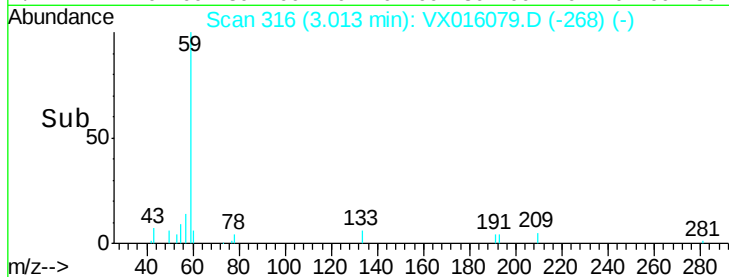
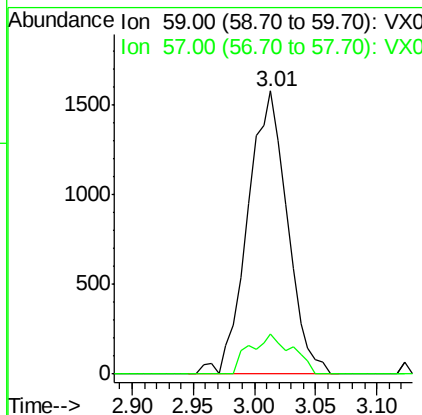
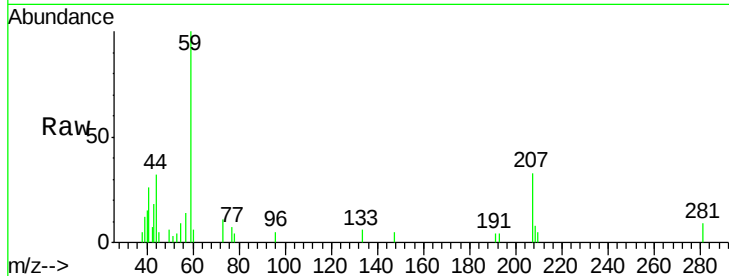
Tert butyl alcohol
 Concen: 3.573 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VX016079.D
 Acq: 06 May 2020 13:27

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

Tot Ion	Ratio	Resp	Lower	Upper
59	100	3550		
57	15.0		8.2	12.4#

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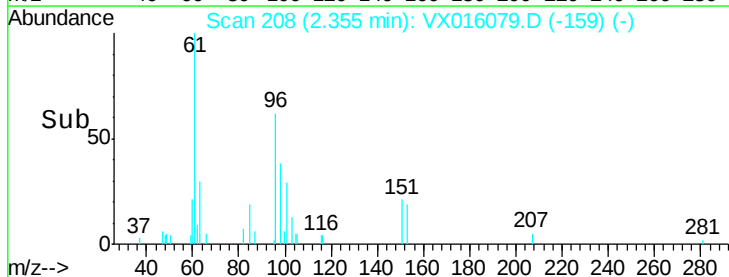
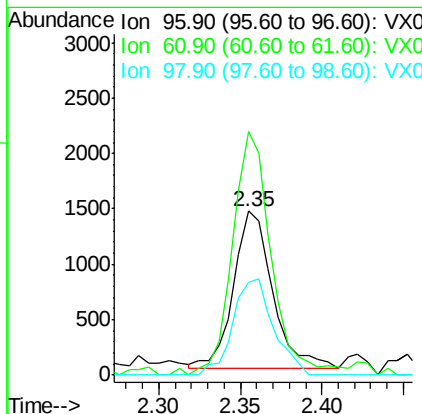
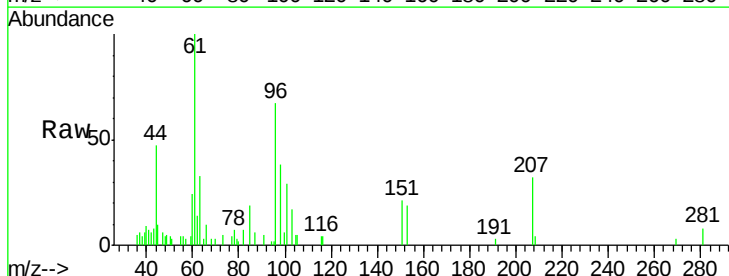
MMDadoda
 5/8/2020 11:54:57 AM



#12

1,1-Dichloroethene
 Concen: 0.768 ug/l
 RT: 2.35 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX016079.D
 Acq: 06 May 2020 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	2385		
61	155.0		124.8	187.2
98	59.0		49.7	74.5





#13

Acrolein

Concen: 3.093 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 56 Resp: 1923

Ion Ratio Lower Upper

56 100

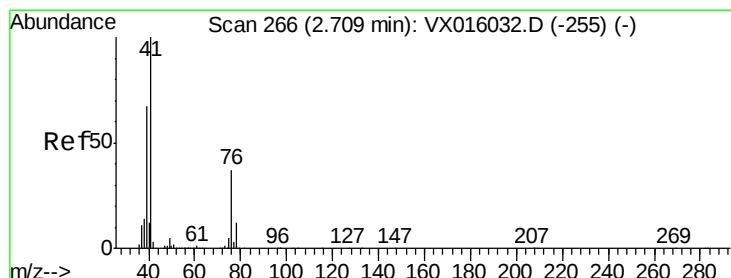
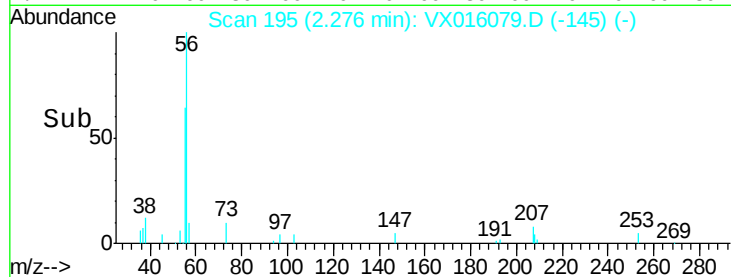
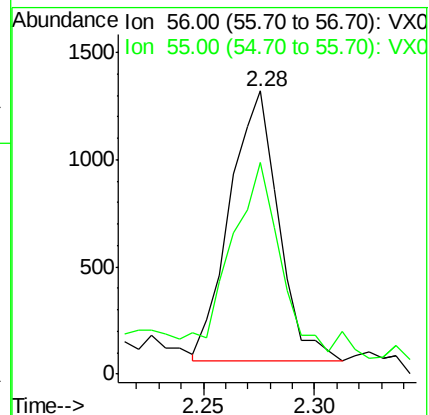
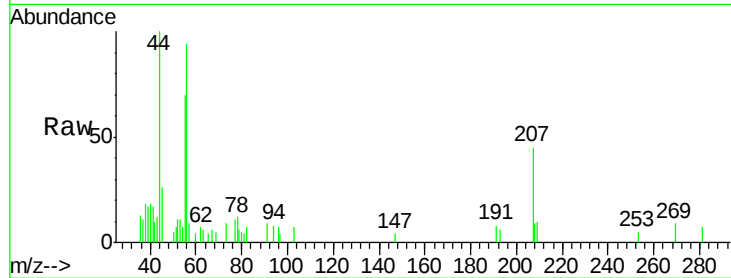
55 69.2 56.5 84.7

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#14

Allyl chloride

Concen: 0.683 ug/l

RT: 2.71 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

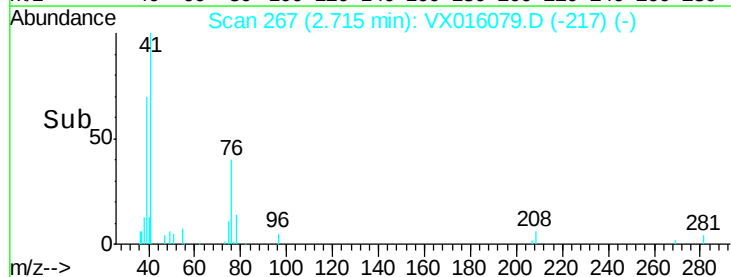
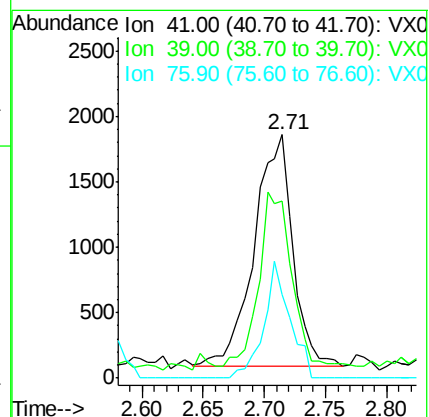
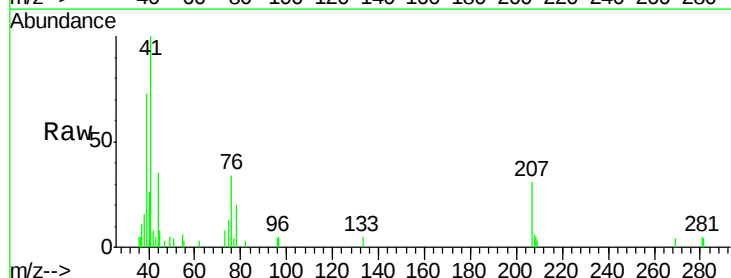
Tgt Ion: 41 Resp: 3889

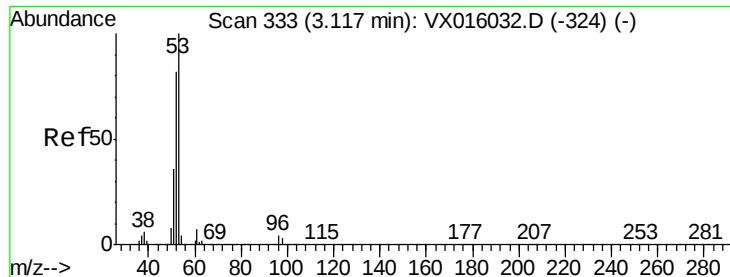
Ion Ratio Lower Upper

41 100

39 65.5 50.5 75.7

76 33.8 26.6 40.0





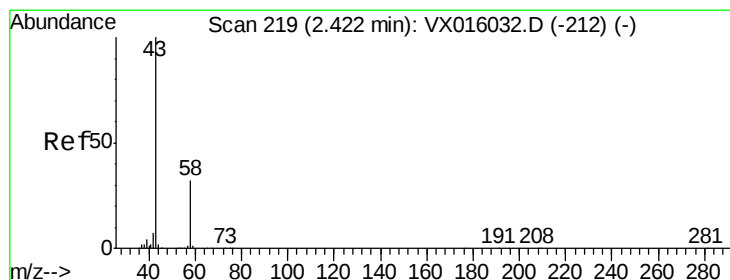
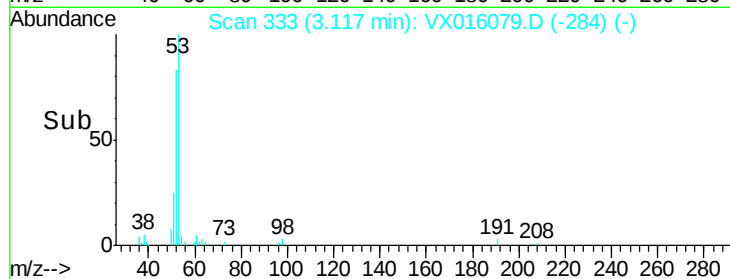
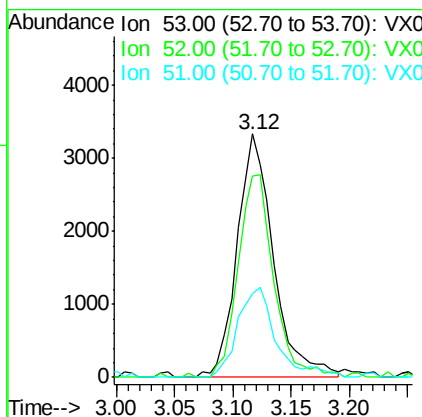
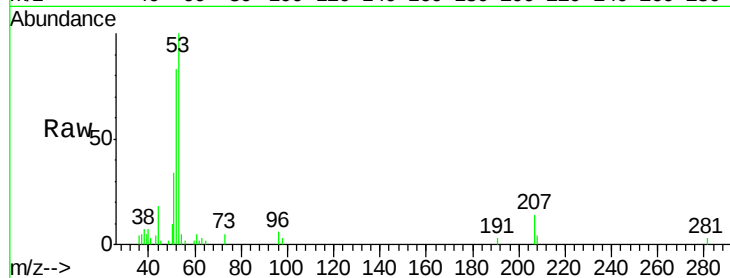
#15
Acrylonitrile
Concen: 3.528 ug/l
RT: 3.12 min Scan# 333
Delta R.T. -0.00 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

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

Tot Ion:	53	Resp:	7271
Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.1	99.1
51	36.5	28.8	43.2

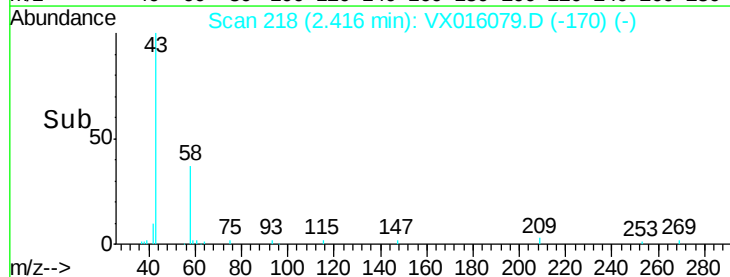
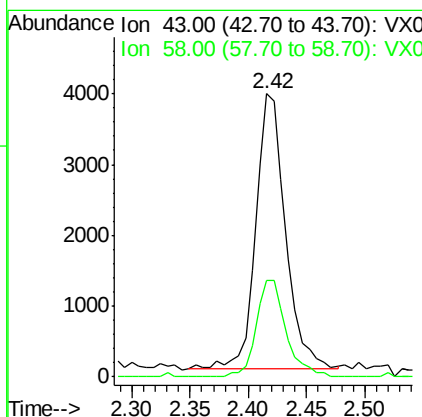
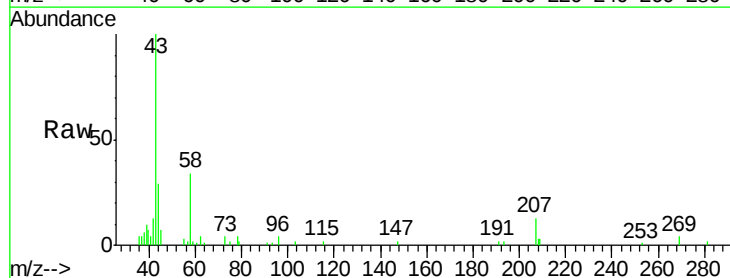
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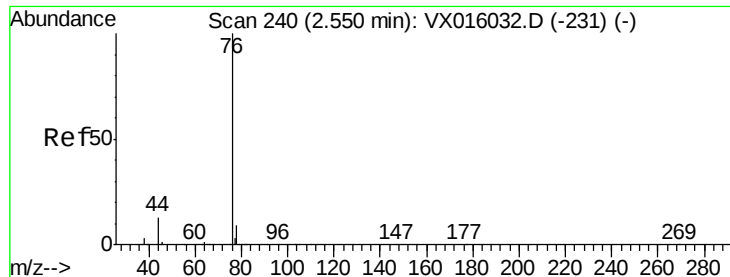
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#16
Acetone
Concen: 3.952 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

Tgt Ion:	43	Resp:	6928
Ion	Ratio	Lower	Upper
43	100		
58	35.0	25.4	38.0





#17

Carbon Disulfide

Concen: 0.790 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 76 Resp: 8342

Ion Ratio Lower Upper

76 100

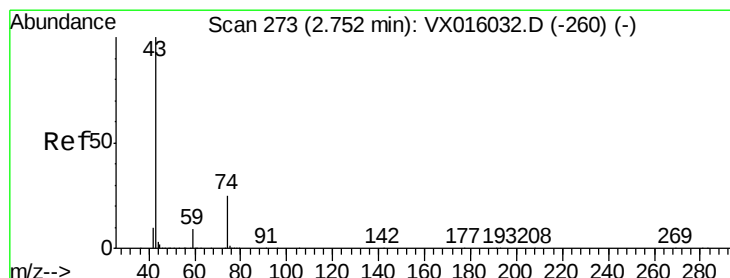
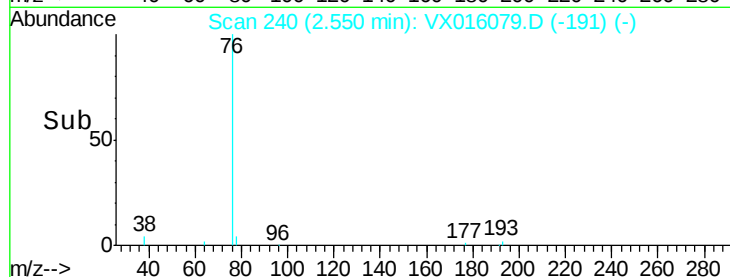
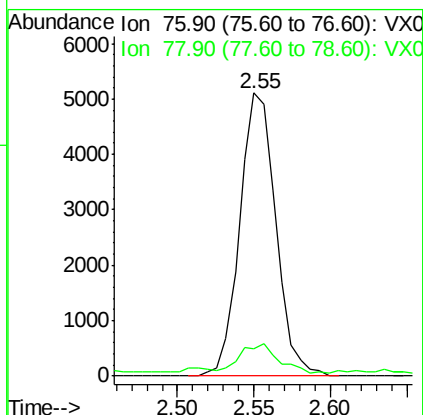
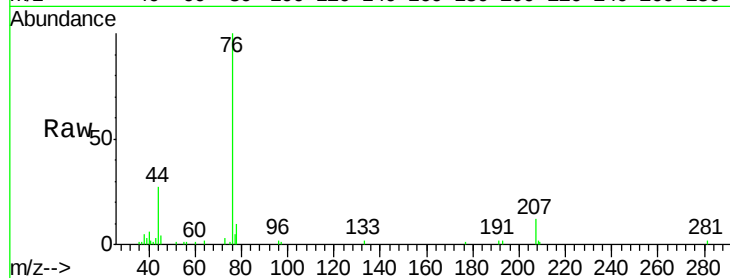
78 8.0 7.5 11.3

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#18

Methyl Acetate

Concen: 0.774 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX016079.D

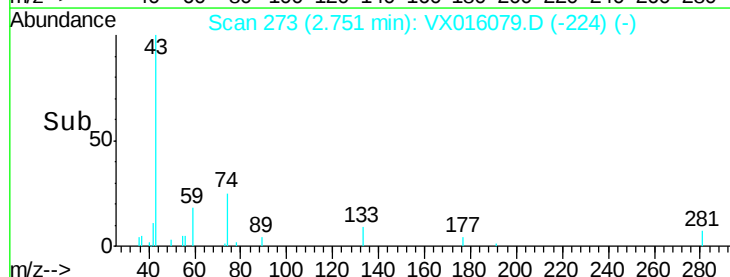
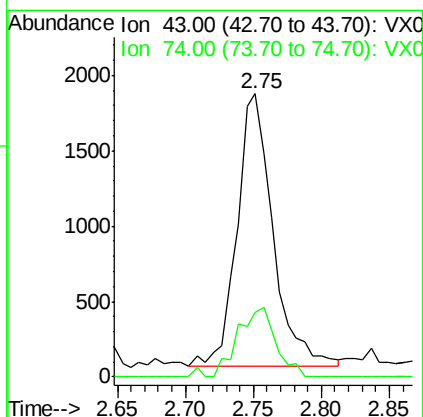
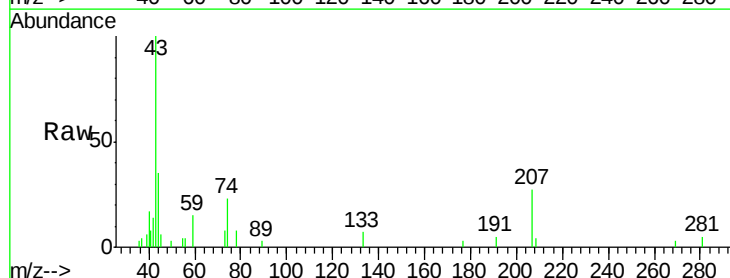
Acq: 06 May 2020 13:27

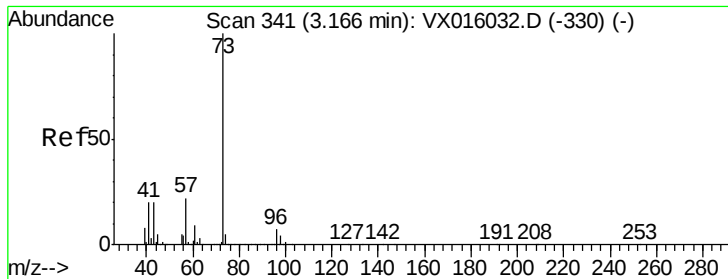
Tgt Ion: 43 Resp: 3334

Ion Ratio Lower Upper

43 100

74 26.8 20.2 30.2





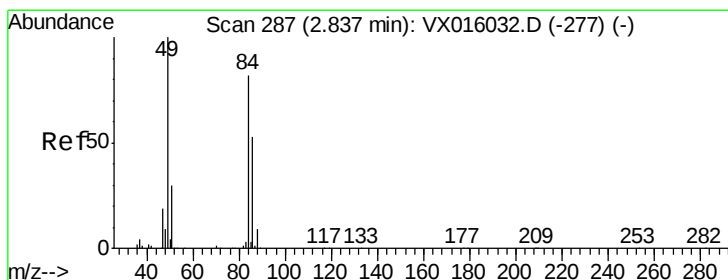
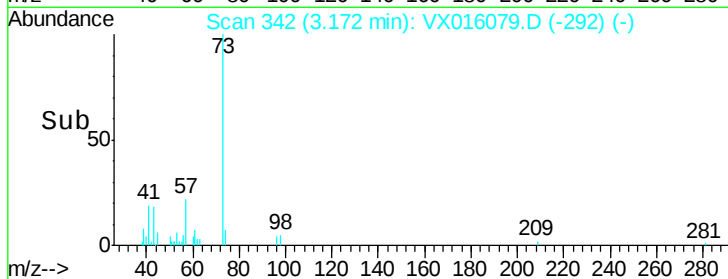
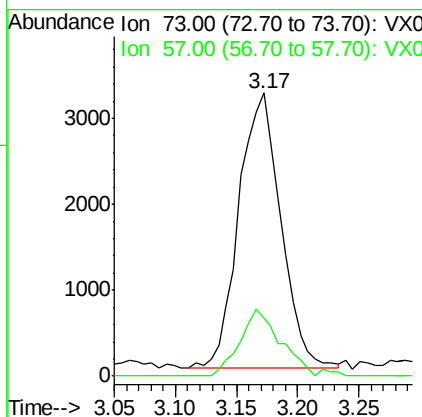
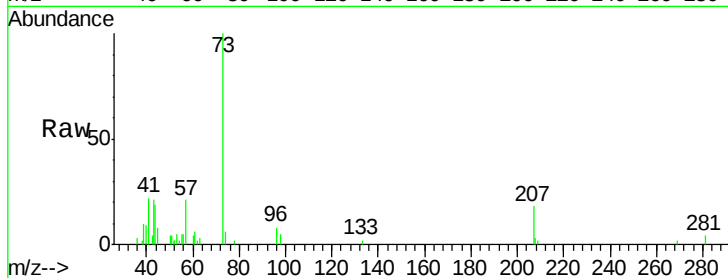
#19
Methyl tert-butyl Ether
Concen: 0.712 ug/l
RT: 3.17 min Scan# 342
Delta R.T. 0.01 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

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

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.8	26.6

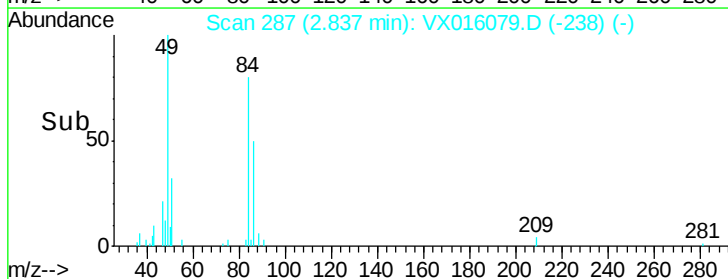
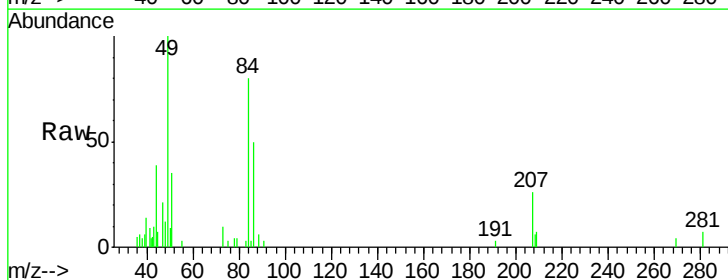
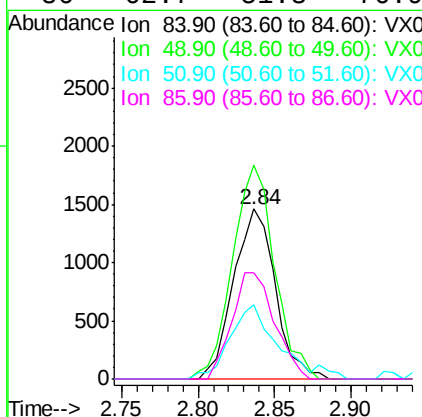
Manual Integrations
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#20
Methylene Chloride
Concen: 0.765 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.5	97.3	145.9
51	44.0	29.3	43.9#
86	62.7	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 0.833 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Instrument :

MSVOA_X

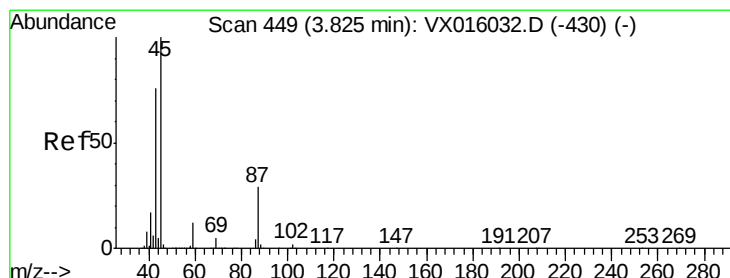
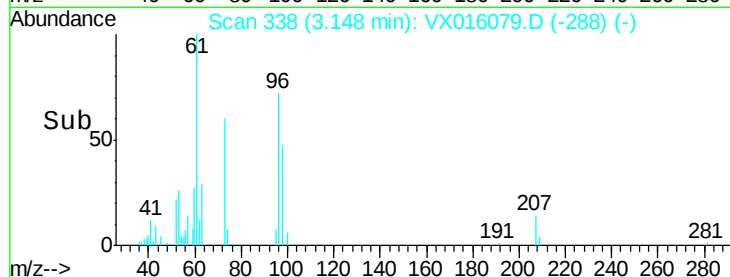
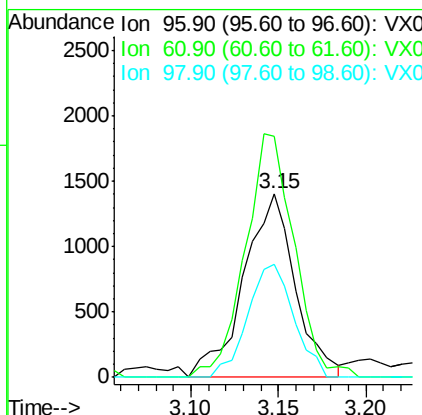
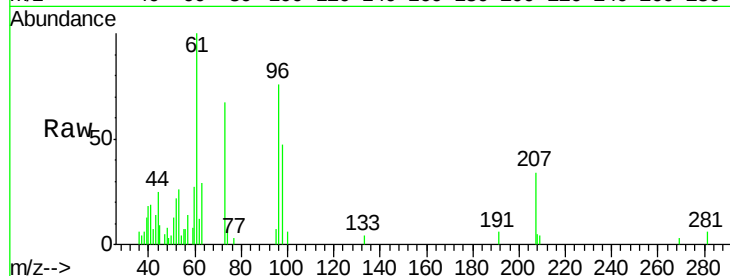
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	96	Resp:	2880
Ion	Ratio	Lower	Upper
96	100		
61	130.9	111.2	166.8
98	61.1	50.2	75.4

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#22

Diisopropyl ether

Concen: 0.740 ug/l

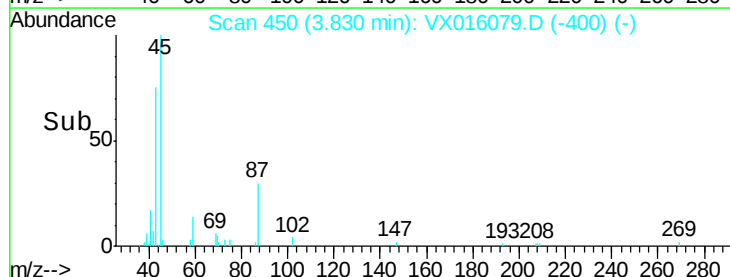
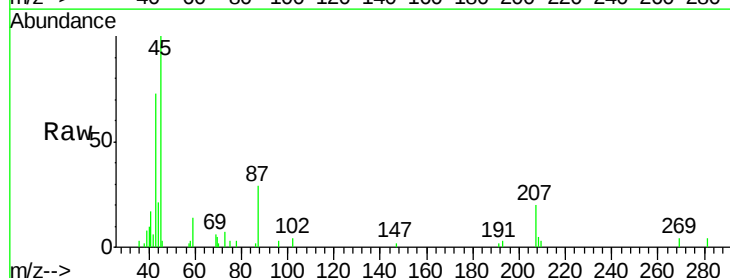
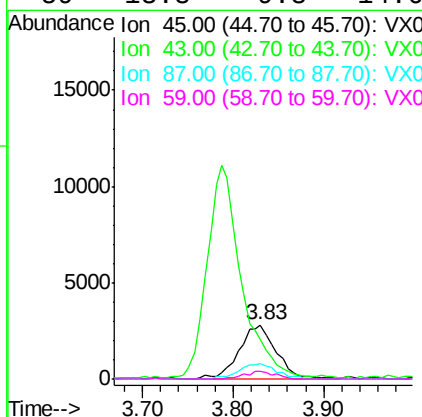
RT: 3.83 min Scan# 450

Delta R.T. 0.01 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Tgt Ion:	45	Resp:	7943
Ion	Ratio	Lower	Upper
45	100		
43	70.8	61.1	91.7
87	29.0	23.0	34.6
59	13.8	9.8	14.6





#23

Vinyl Acetate

Concen: 3.043 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 43 Resp: 28744

Ion Ratio Lower Upper

43 100

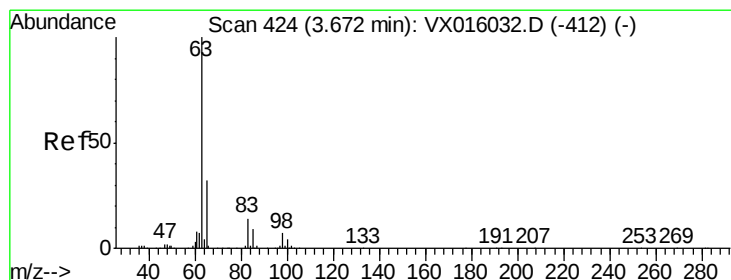
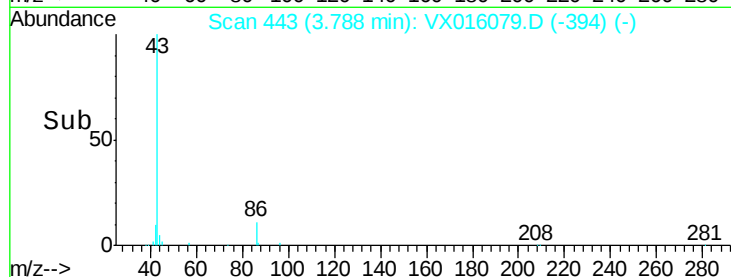
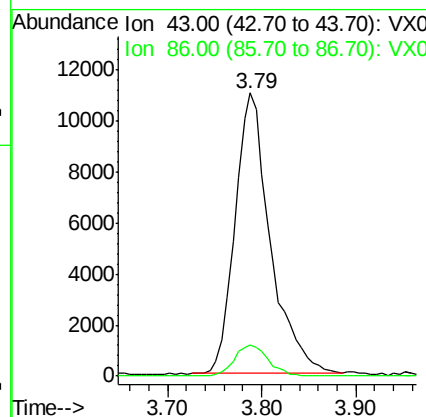
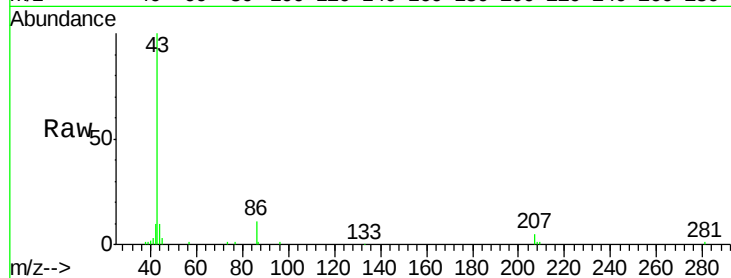
86 11.1 9.0 13.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 0.717 ug/l

RT: 3.68 min Scan# 425

Delta R.T. 0.01 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

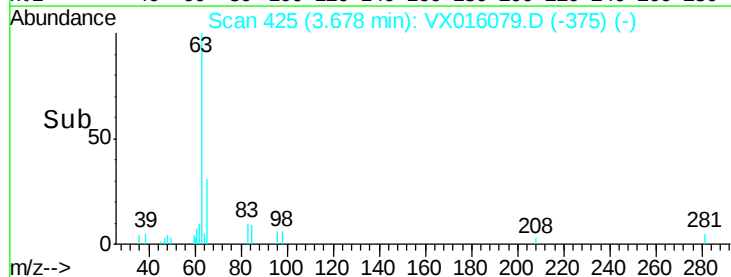
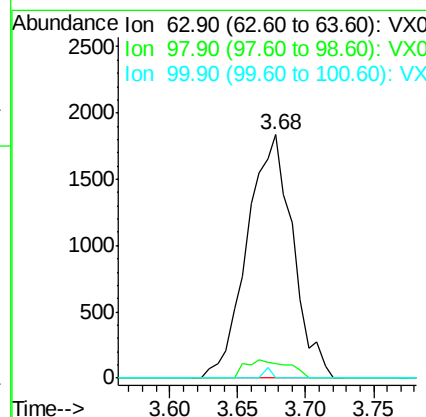
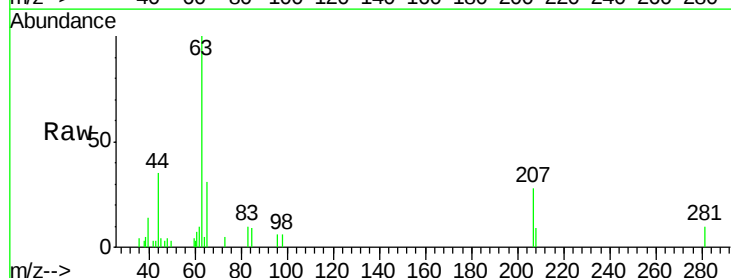
Tgt Ion: 63 Resp: 4307

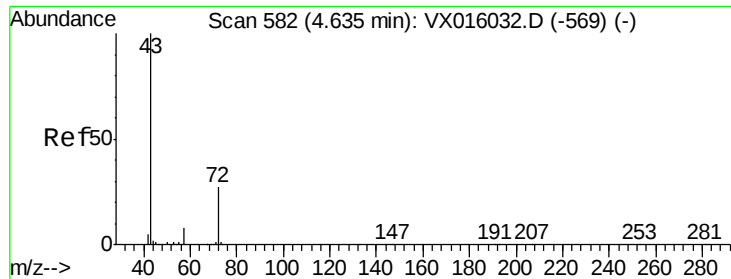
Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.5

100 0.0 2.1 6.5#





#25

2-Butanone

Concen: 3.575 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 43 Resp: 10098

Ion Ratio Lower Upper

43 100

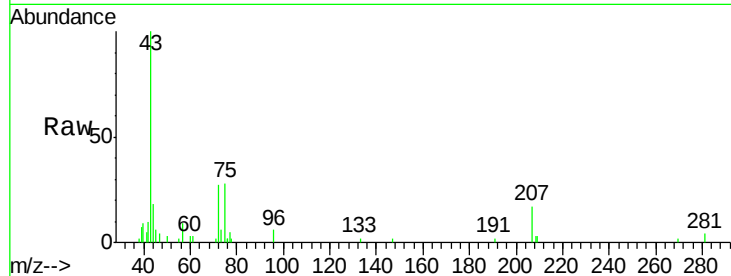
72 27.1 21.8 32.8

Manual Integrations

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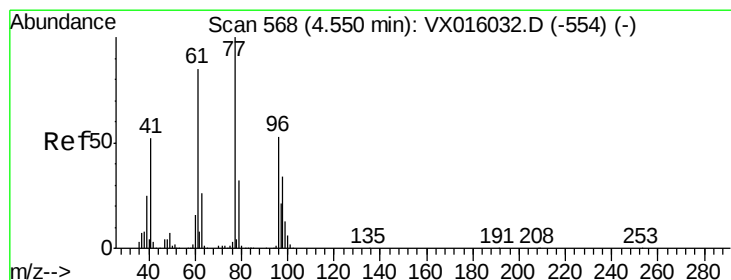
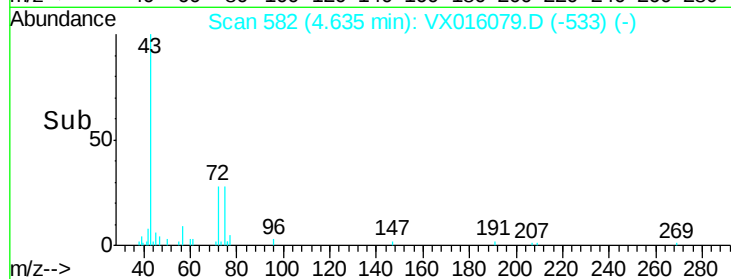
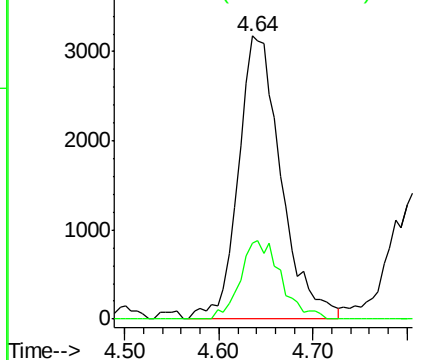
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 0.729 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016079.D

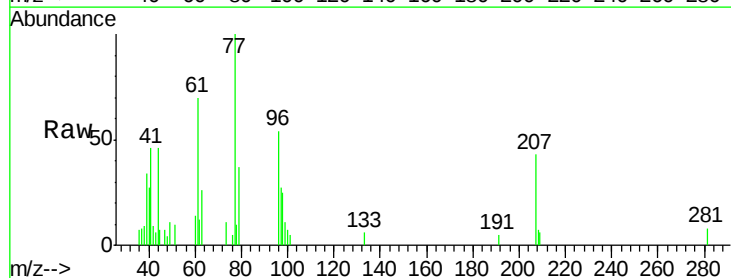
Acq: 06 May 2020 13:27

Tgt Ion: 77 Resp: 4000

Ion Ratio Lower Upper

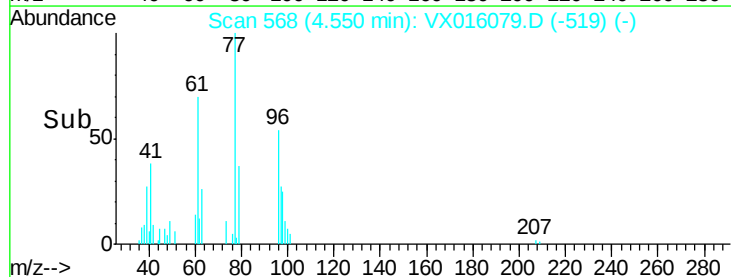
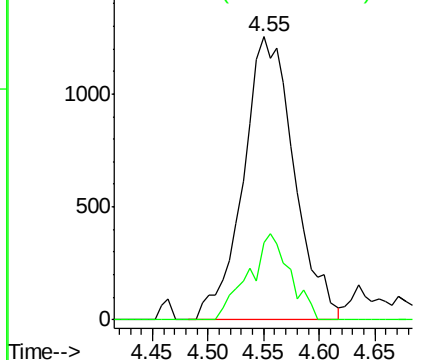
77 100

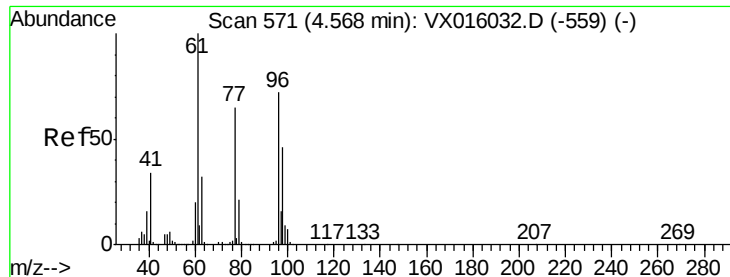
97 24.7 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

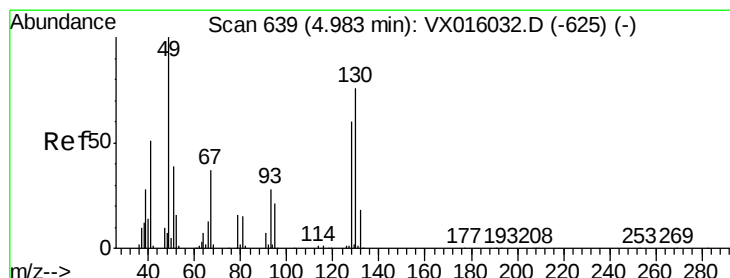
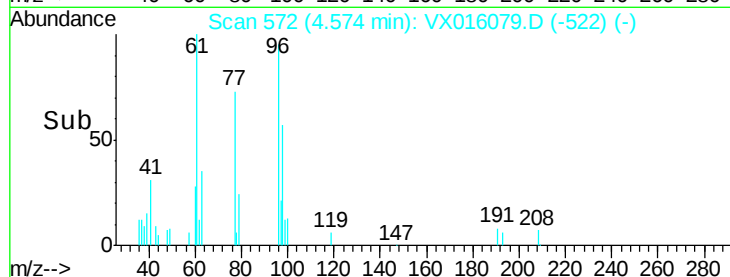
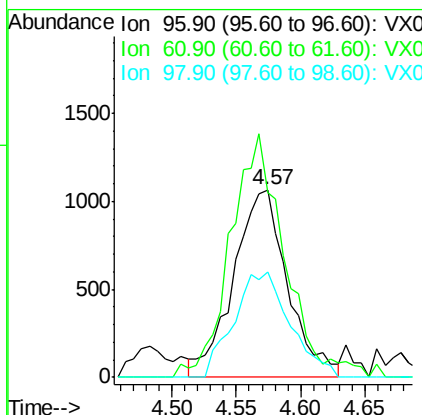
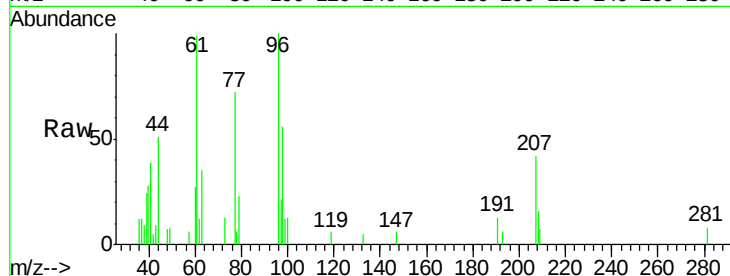
cis-1,2-Dichloroethene
Concen: 0.824 ug/l
RT: 4.57 min Scan# 572
Delta R.T. 0.01 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

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

Tot Ion	Ratio	Resp	Lower	Upper
96	100	3115		
61	129.5		0.0	296.2
98	58.2		0.0	129.4

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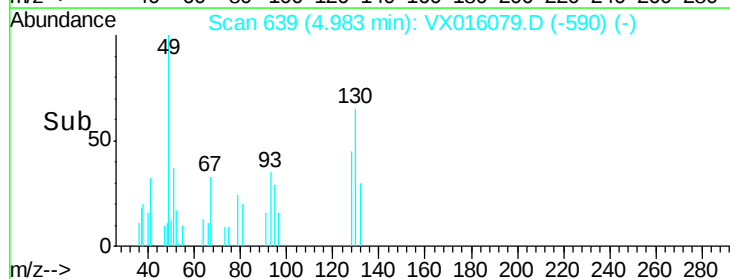
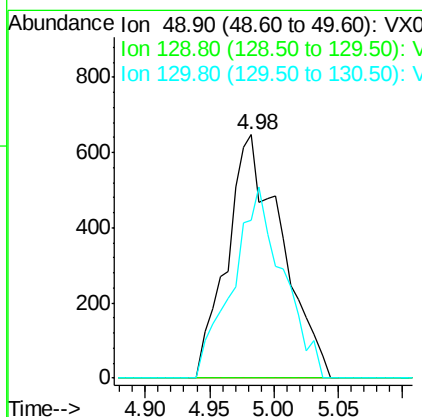
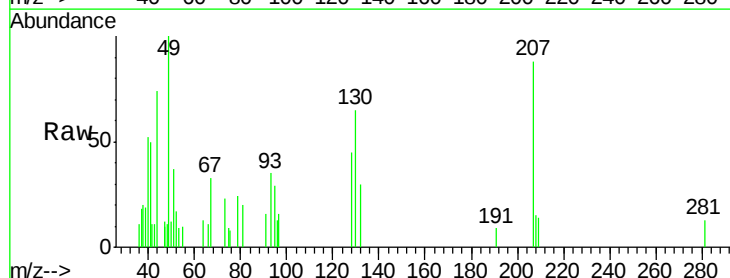
MMDadoda
5/8/2020 11:54:57 AM

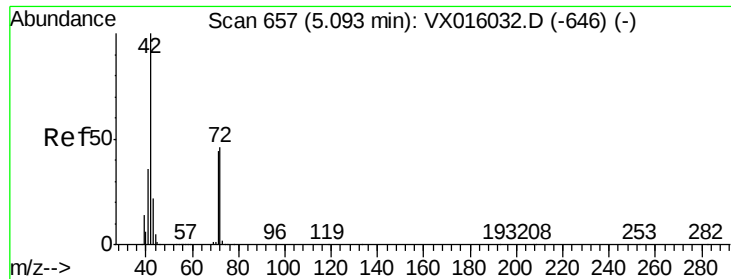


#28

Bromochloromethane
Concen: 0.699 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	1913		
129	0.0		0.0	4.0
130	72.3		62.4	93.6





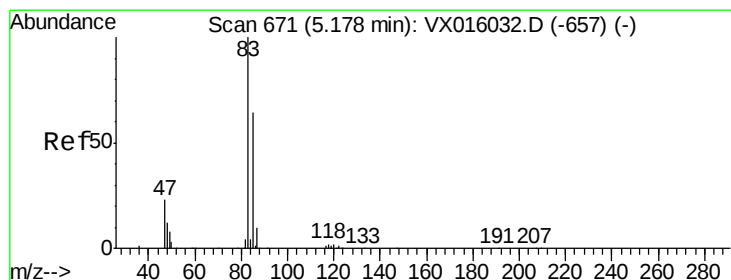
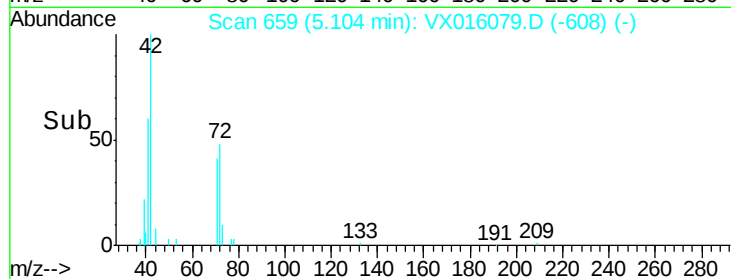
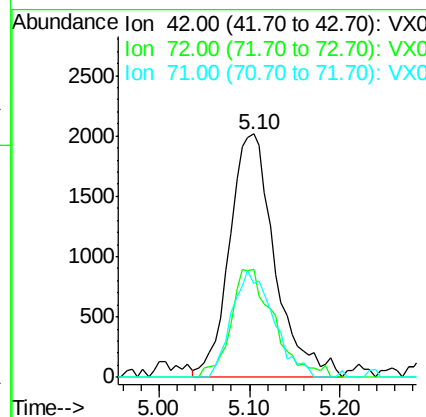
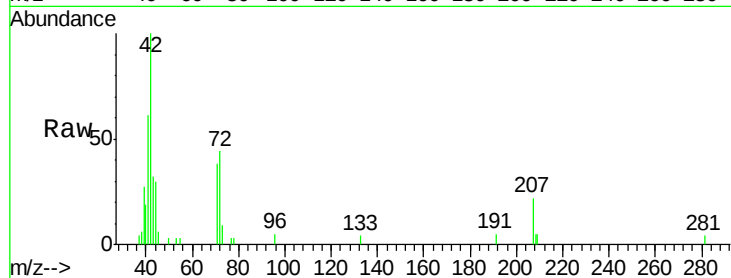
#29
Tetrahydrofuran
Concen: 3.747 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	37.1	55.7
71	40.1	34.5	51.7

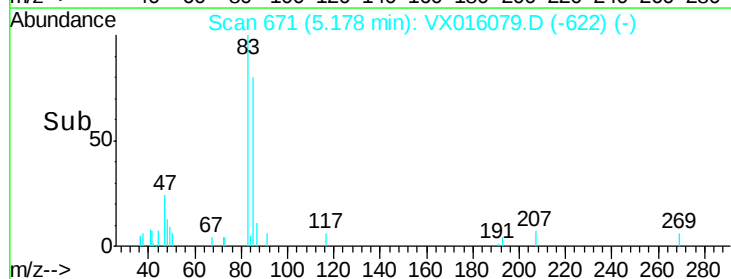
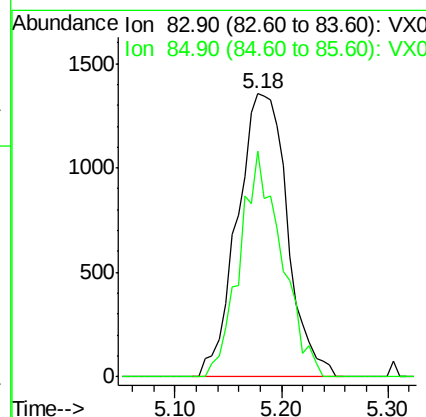
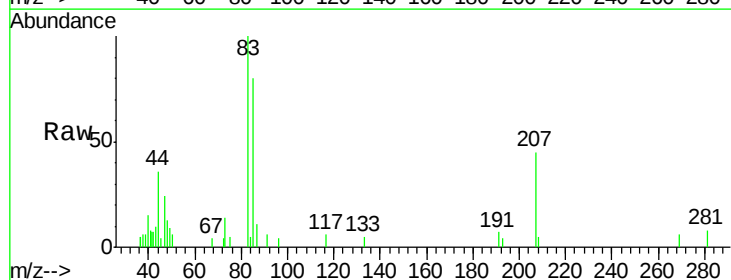
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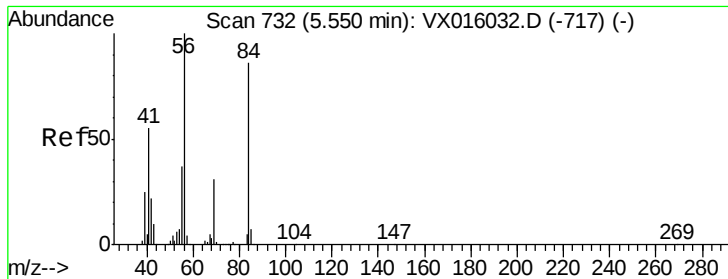
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#30
Chloroform
Concen: 0.746 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	79.6	51.6	77.4





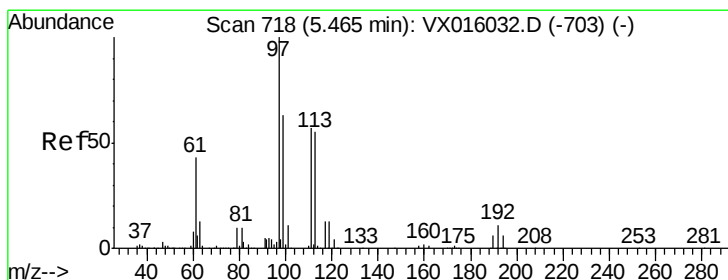
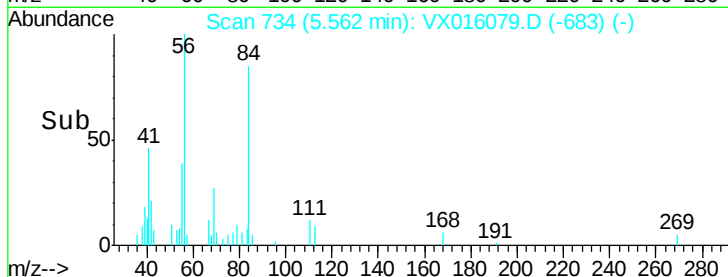
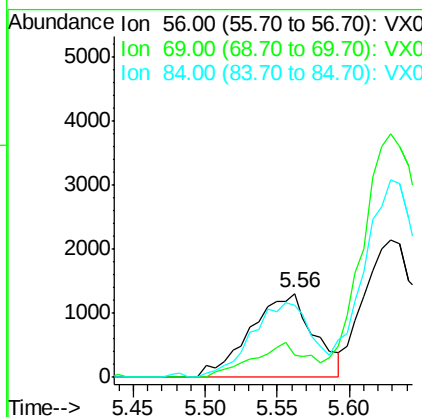
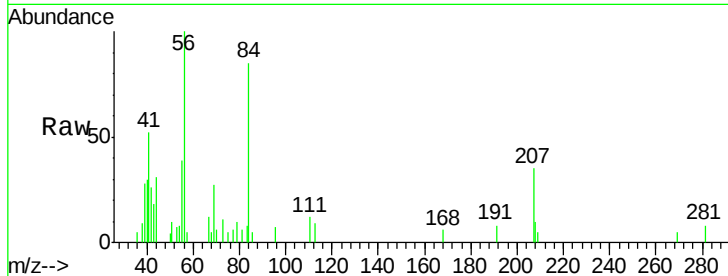
#31
Cyclohexane
Concen: 0.731 ug/l
RT: 5.56 min Scan# 734
Delta R.T. 0.01 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

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

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	26.6	25.0	37.6	
84	85.4	69.0	103.6	

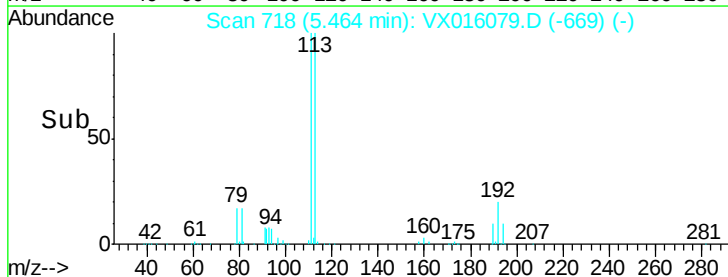
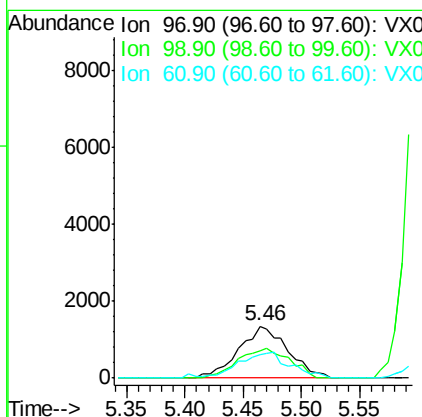
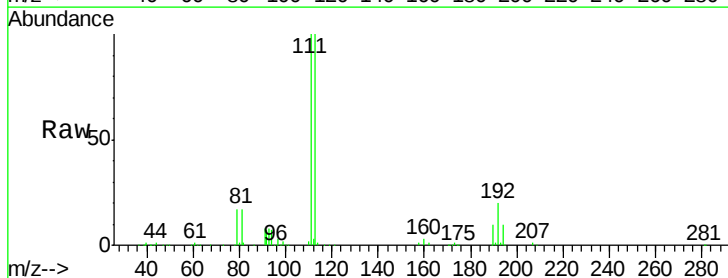
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#32
1,1,1-Trichloroethane
Concen: 0.727 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	0.0	51.0	76.4#	
61	51.4	34.5	51.7	





#33

1,2-Dichloroethane-d4

Concen: 46.684 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 65 Resp: 183410

Ion Ratio Lower Upper

65 100

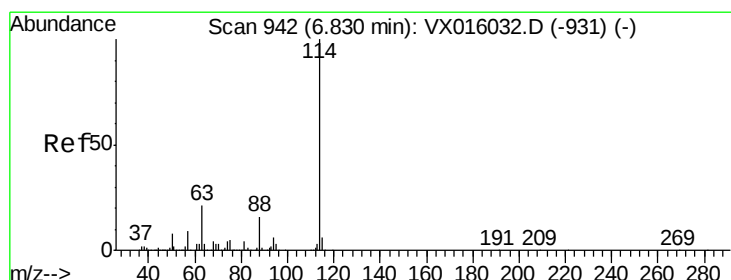
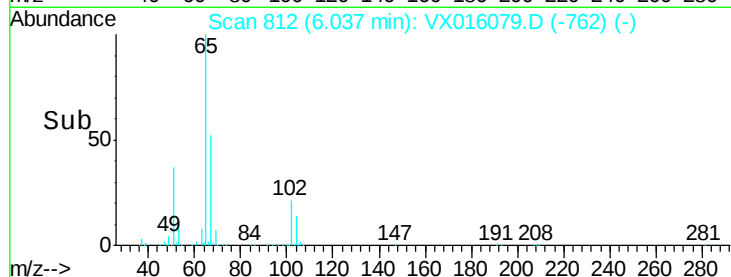
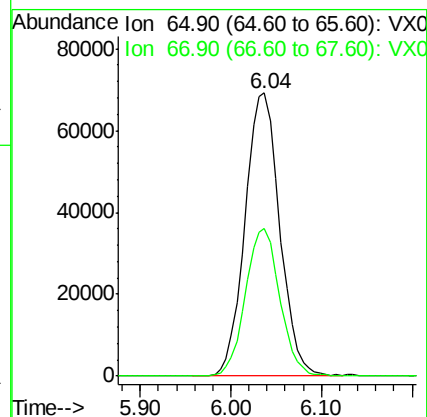
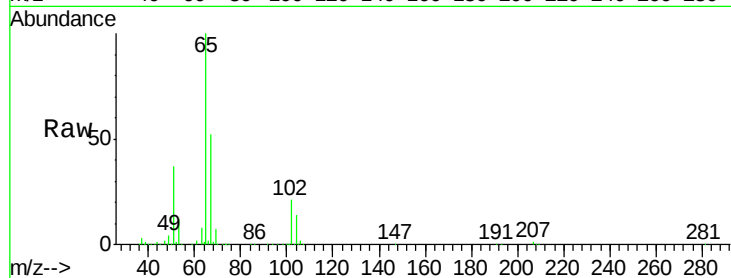
67 51.6 0.0 104.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

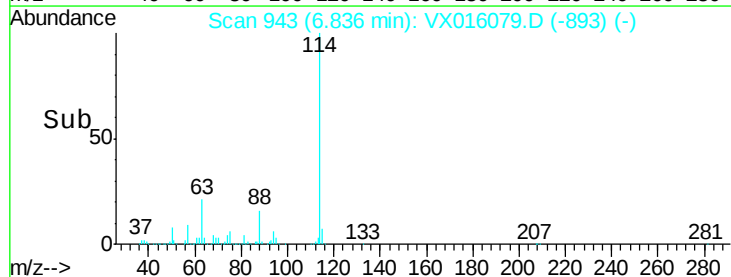
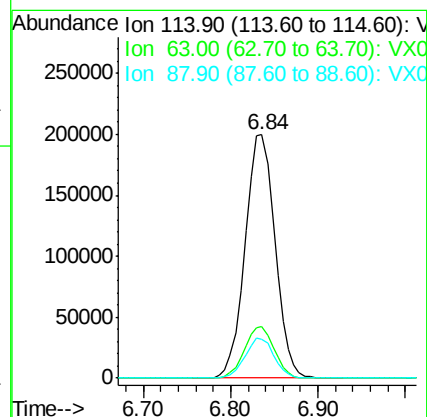
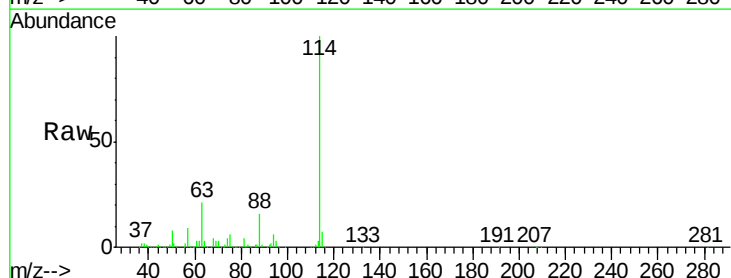
Tgt Ion: 114 Resp: 476652

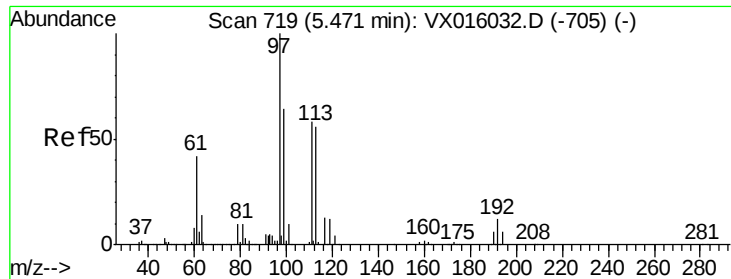
Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.8

88 16.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 45.686 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Instrument :

MSVOA_X

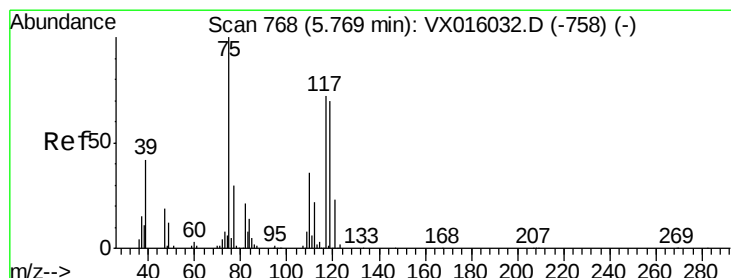
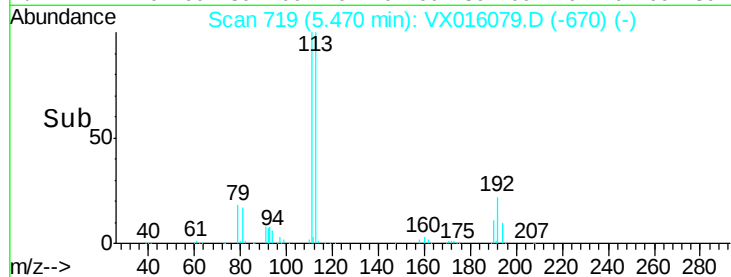
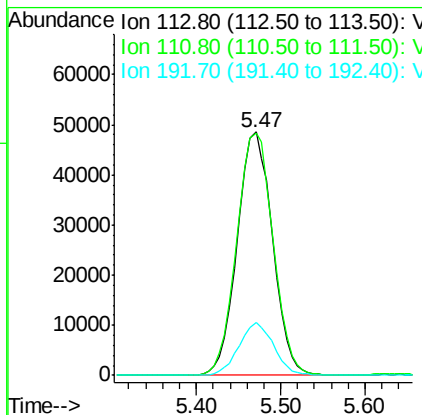
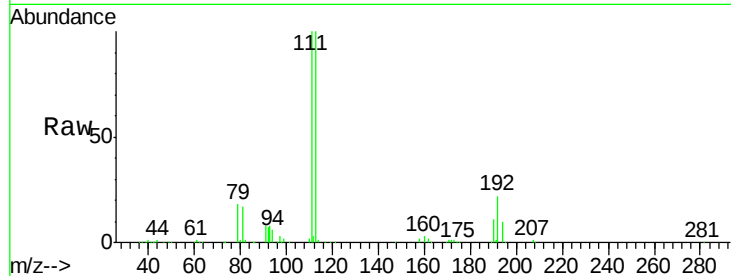
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	113	Resp:	137963
Ion Ratio	Lower	Upper	
113	100		
111	102.6	81.6	122.4
192	21.3	17.0	25.4

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#36

1,1-Dichloropropene

Concen: 0.789 ug/l

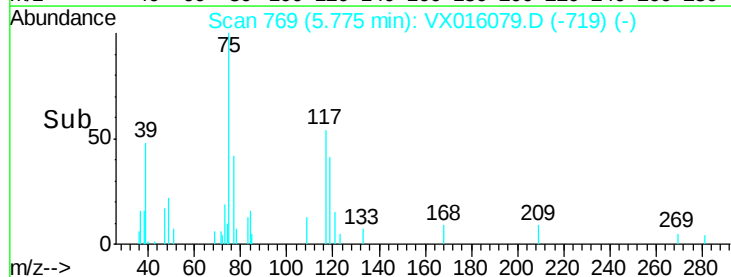
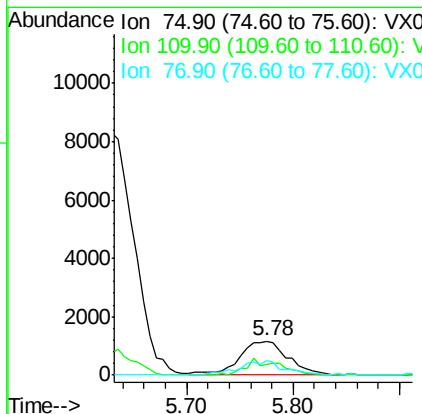
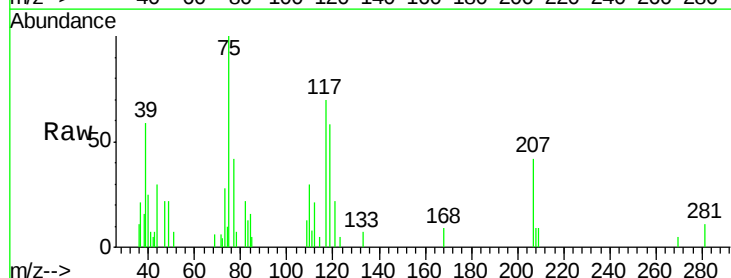
RT: 5.78 min Scan# 769

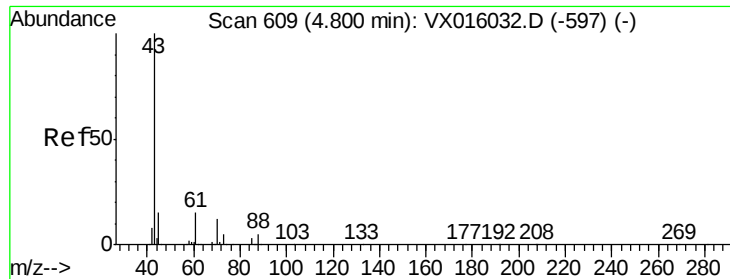
Delta R.T. 0.01 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Tgt Ion:	75	Resp:	3703
Ion Ratio	Lower	Upper	
75	100		
110	18.8	18.1	54.1
77	38.5	25.0	37.6#





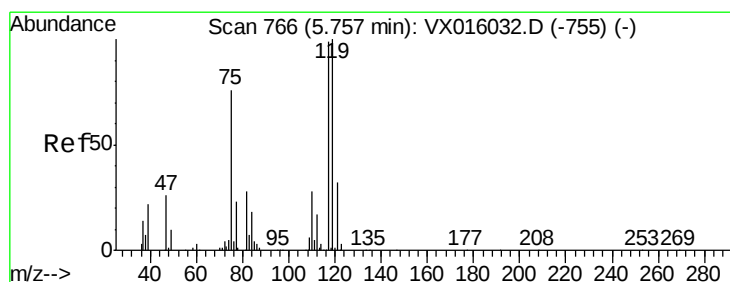
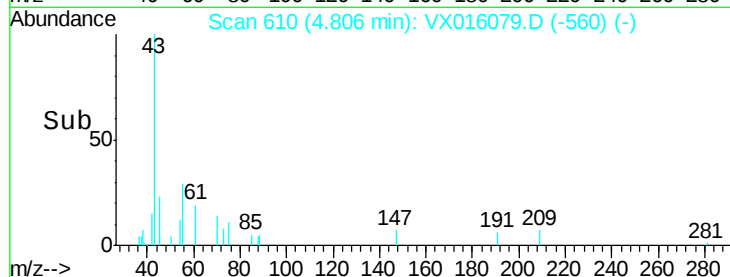
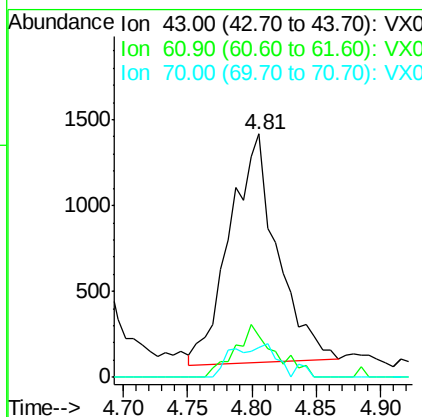
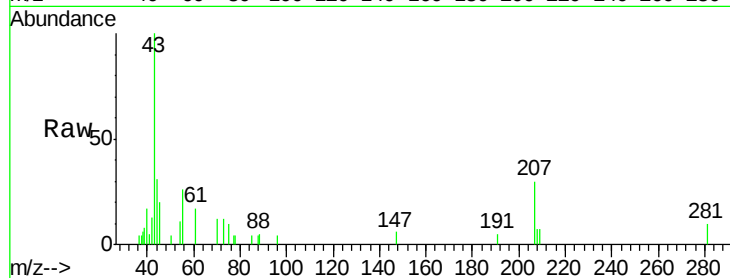
#37
Ethyl Acetate
Concen: 0.627 ug/l
RT: 4.81 min Scan# 610
Delta R.T. 0.01 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	11.7	17.5#
70	5.6	9.3	13.9#

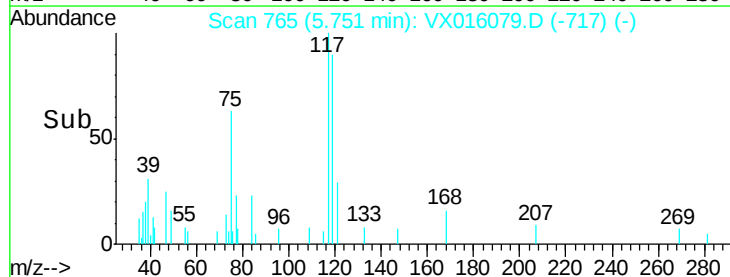
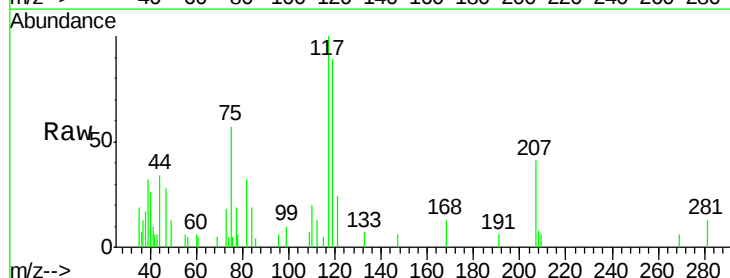
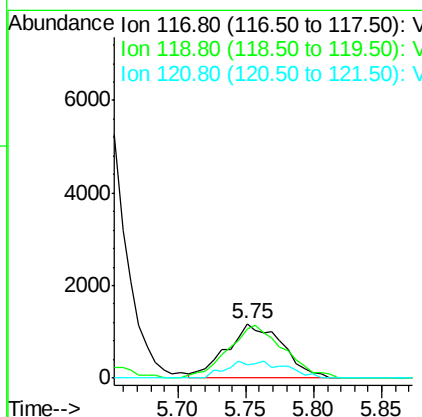
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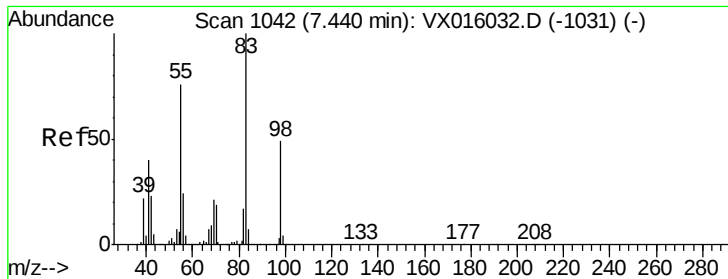
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5/8/2020 11:54:57 AM



#38
Carbon Tetrachloride
Concen: 0.704 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.9	80.3	120.5
121	24.0	25.7	38.5#





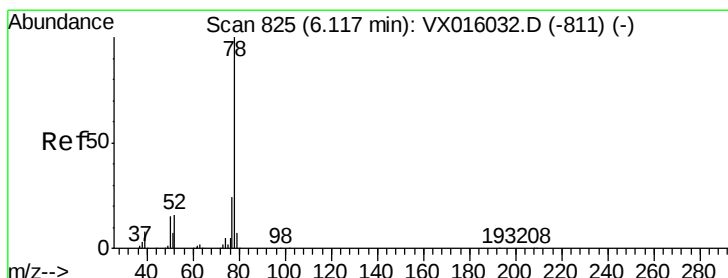
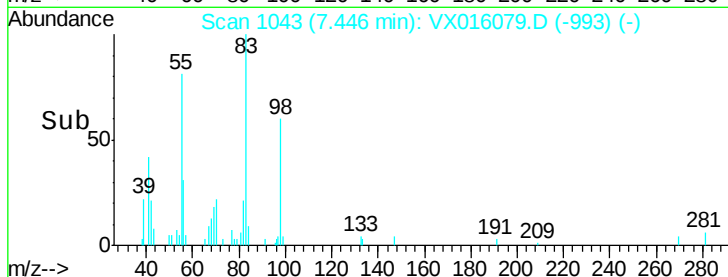
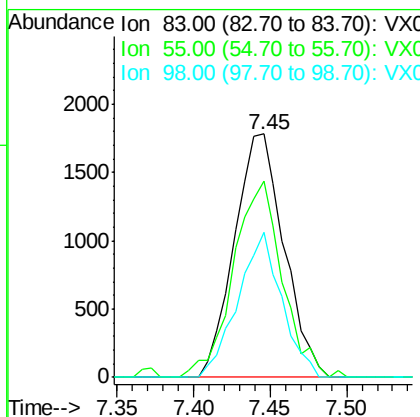
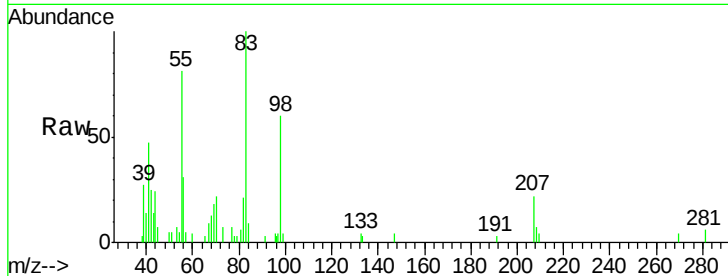
#39
Methvlcvclohexane
Concen: 0.710 ug/l
RT: 7.45 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.0	61.1	91.7
98	59.7	39.0	58.4

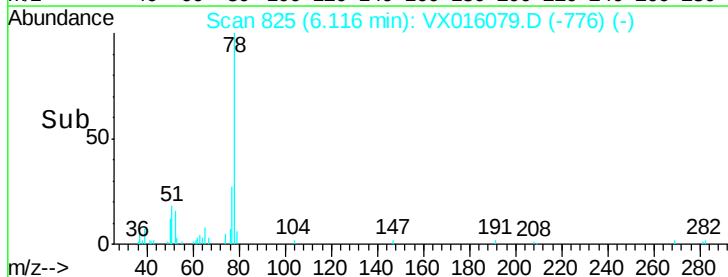
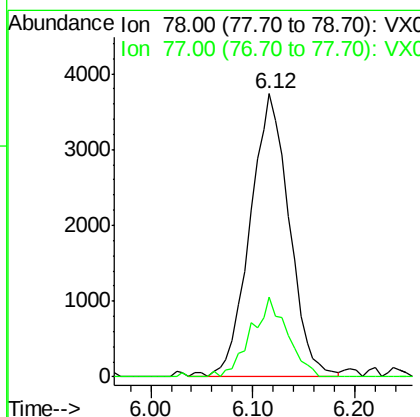
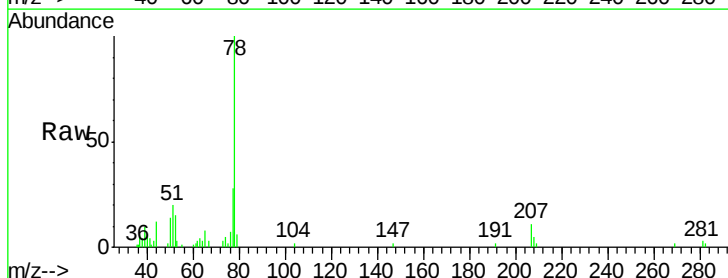
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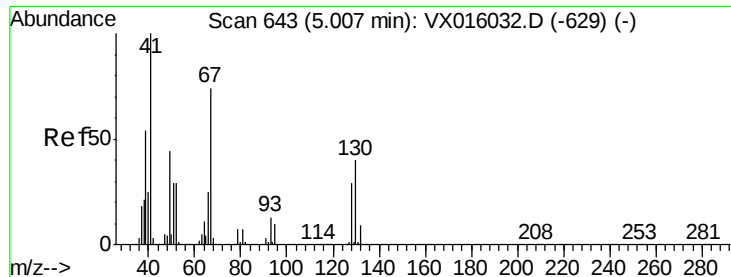
MMDadoda
5/8/2020 11:54:57 AM



#40
Benzene
Concen: 0.727 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	28.1	19.0	28.4





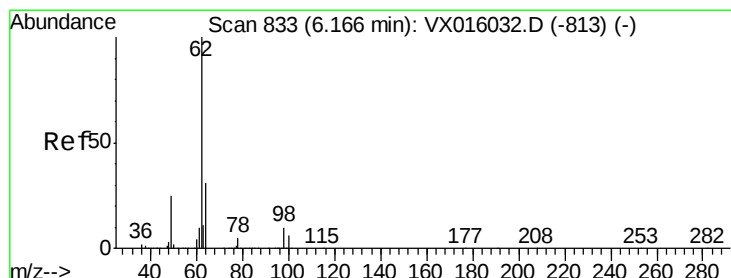
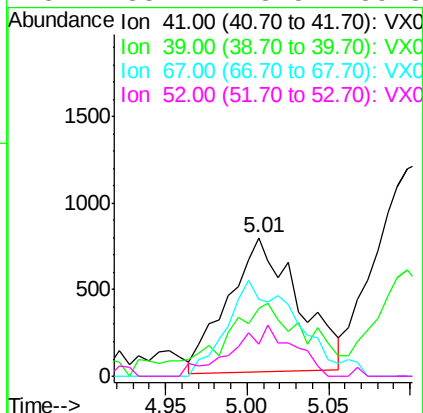
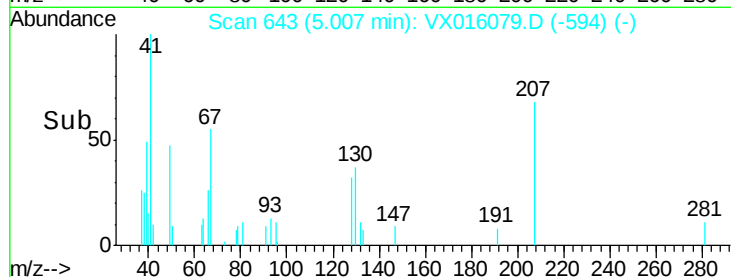
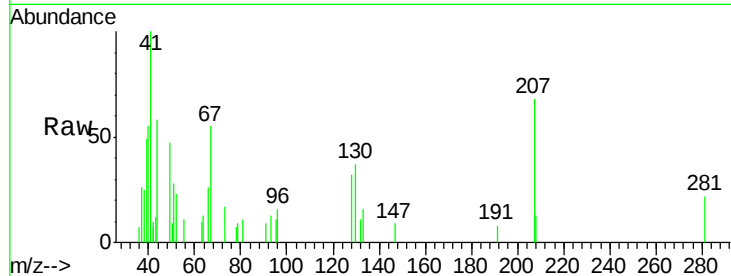
#41
Methacrylonitrile
Concen: 0.786 ug/l
RT: 5.01 min Scan# 643
Delta R.T. -0.00 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

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

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.7	43.2	64.8
67	72.5	59.3	88.9
52	33.1	23.5	35.3

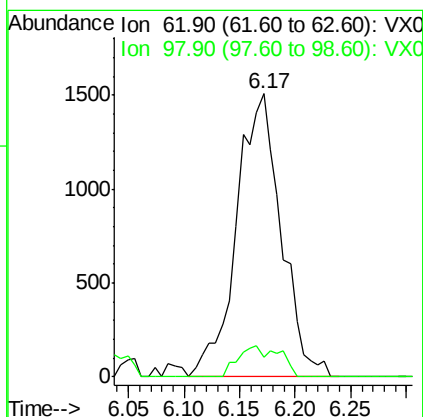
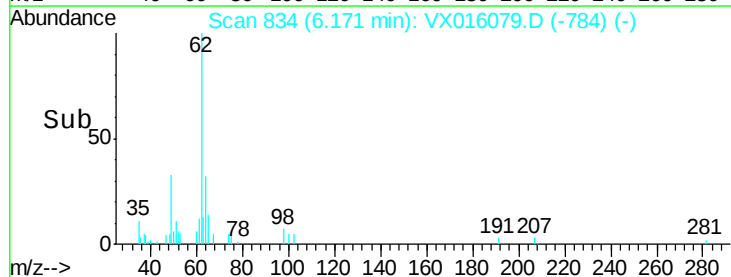
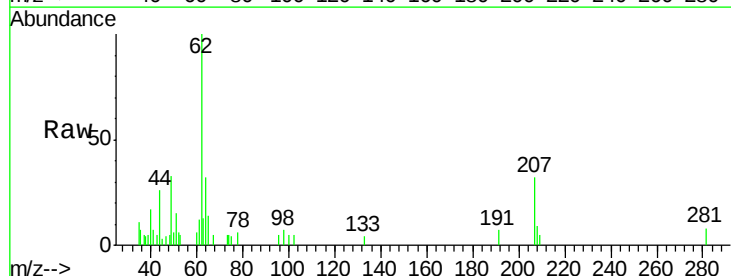
Manual Integrations
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5/8/2020 11:54:57 AM



#42
1,2-Dichloroethane
Concen: 0.852 ug/l
RT: 6.17 min Scan# 834
Delta R.T. 0.01 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.2	0.0	19.4





#43

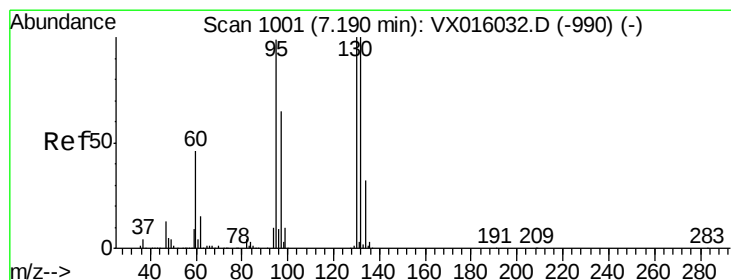
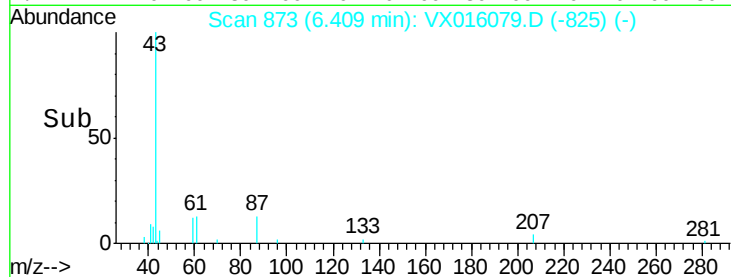
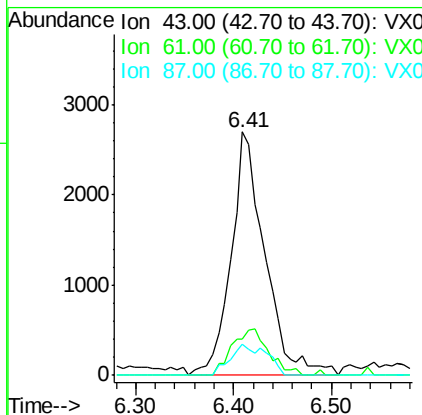
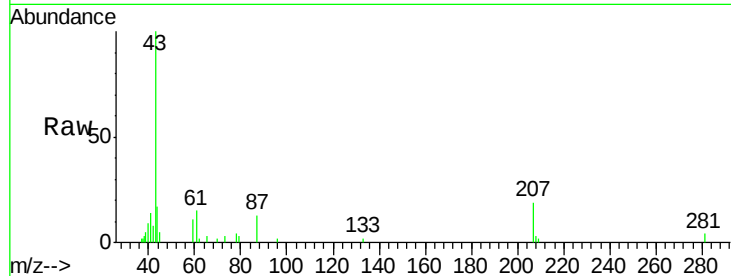
Isopropyl Acetate
 Concen: 0.746 ug/l
 RT: 6.41 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VX016079.D
 Acq: 06 May 2020 13:27

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

Tot Ion	43	Resp	6475
Ion Ratio	100	Lower	Upper
43	100		
61	20.6	17.0	25.4
87	13.7	11.0	16.6

Manual Integrations
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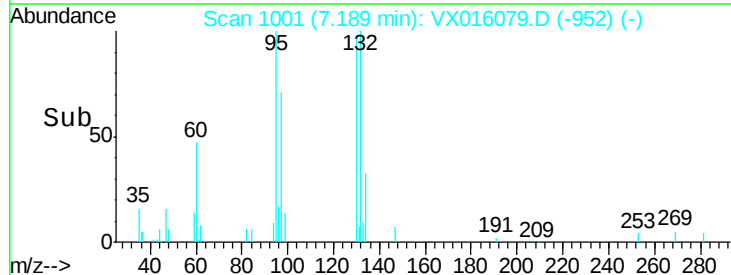
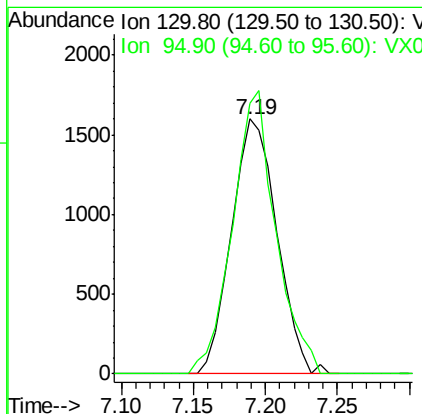
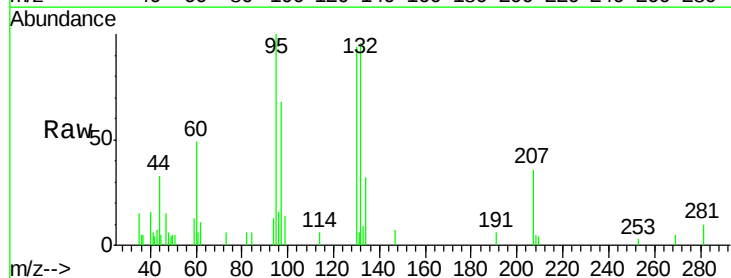
MMDadoda
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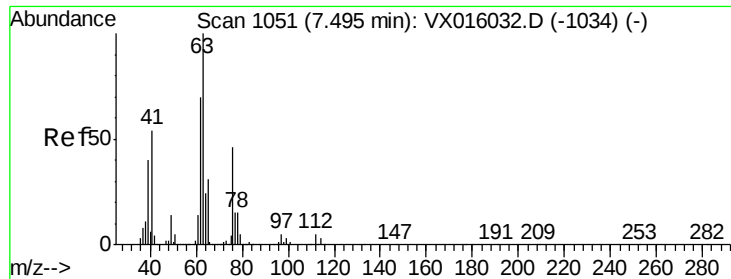


#44

Trichloroethene
 Concen: 0.721 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX016079.D
 Acq: 06 May 2020 13:27

Tgt Ion	130	Resp	3515
Ion Ratio	100	Lower	Upper
130	100		
95	106.2	0.0	197.4





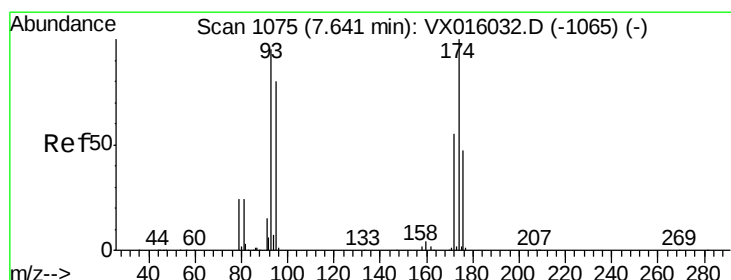
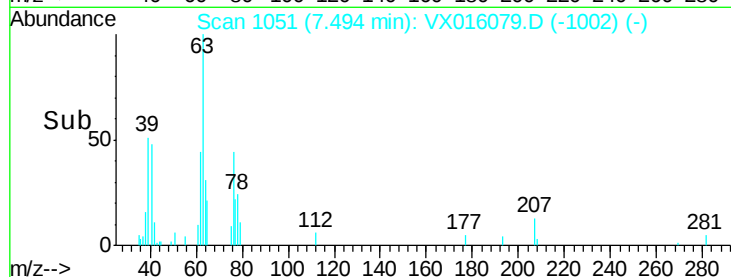
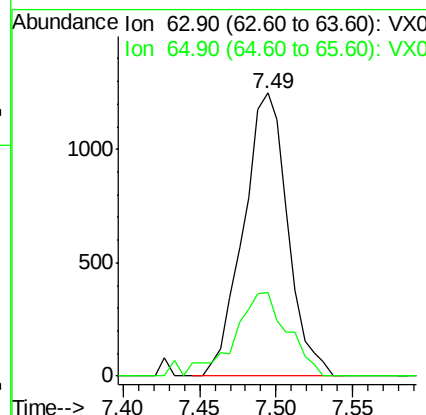
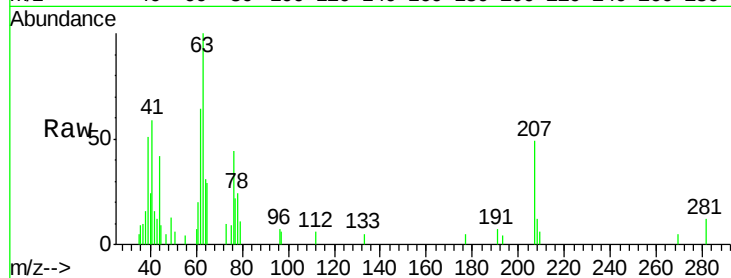
#45
 1,2-Dichloropropane
 Concen: 0.725 ug/l
 RT: 7.49 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VX016079.D
 Acq: 06 May 2020 13:27

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

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.4	24.4	36.6

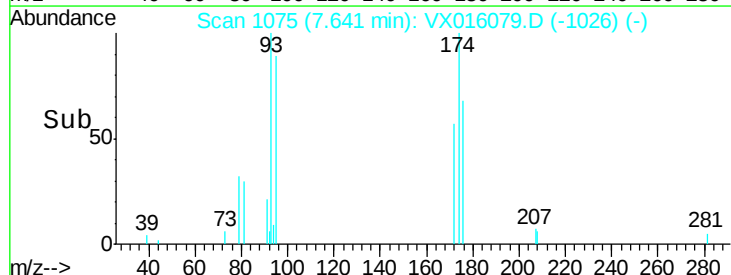
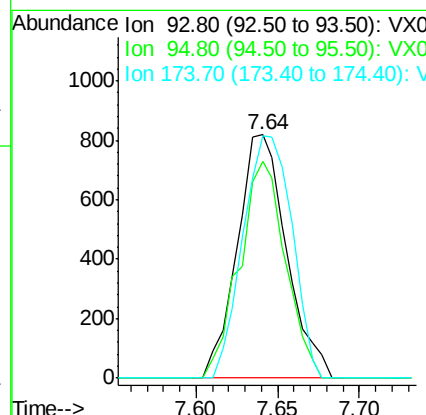
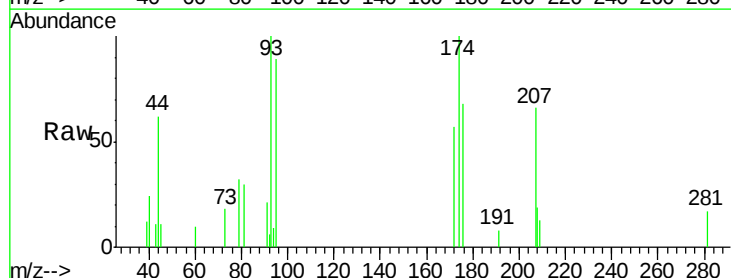
Manual Integrations
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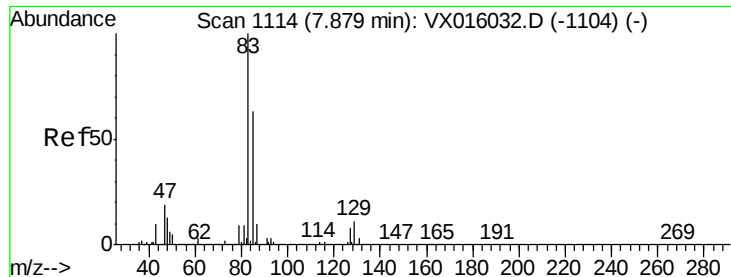
MMDadoda
 5/8/2020 11:54:57 AM



#46
 Dibromomethane
 Concen: 0.729 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VX016079.D
 Acq: 06 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	66.6	100.0
174	98.6	84.2	126.4





#47

Bromodichloromethane

Concen: 0.676 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Instrument :

MSVOA_X

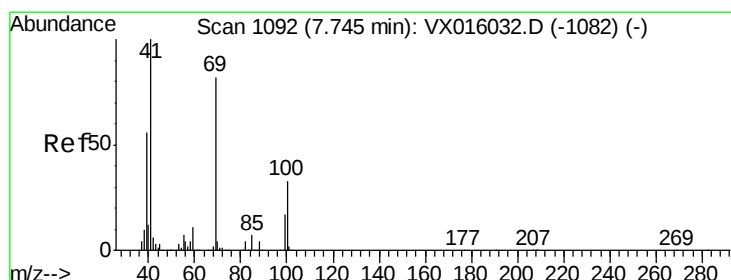
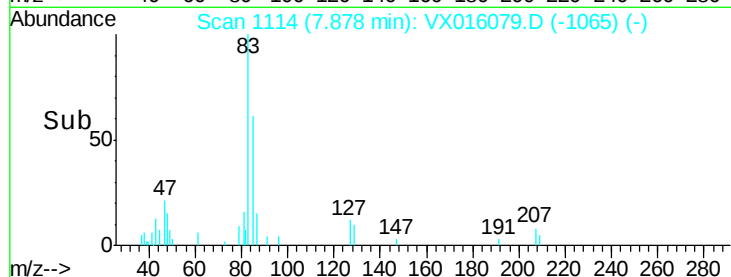
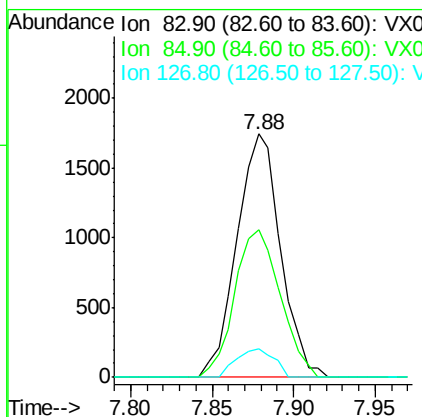
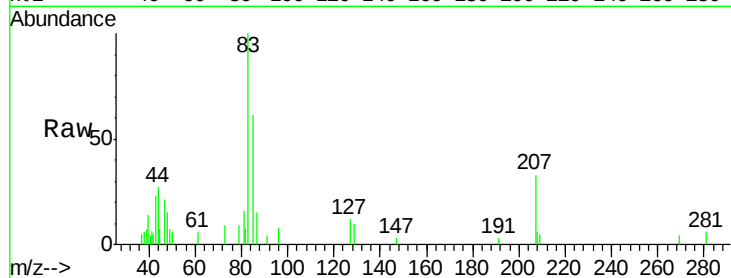
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	83	Resp:	3248
Ion	Ratio	Lower	Upper
83	100		
85	60.6	50.5	75.7
127	11.6	6.7	10.1#

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#48

Methyl methacrylate

Concen: 0.713 ug/l

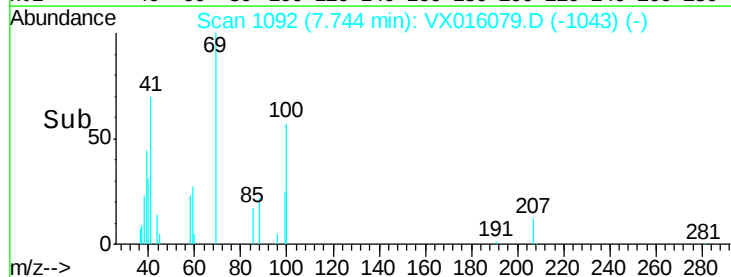
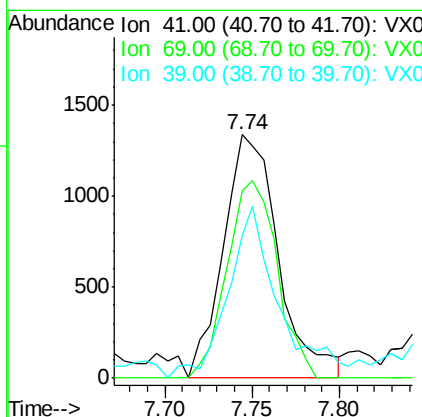
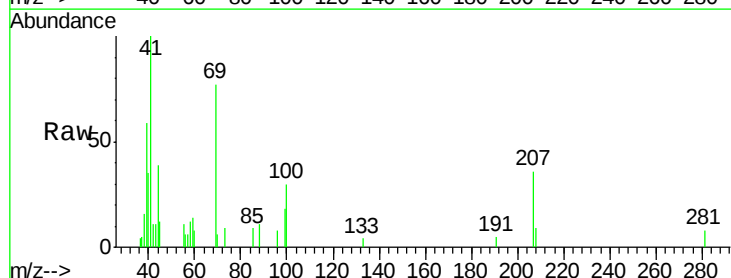
RT: 7.74 min Scan# 1092

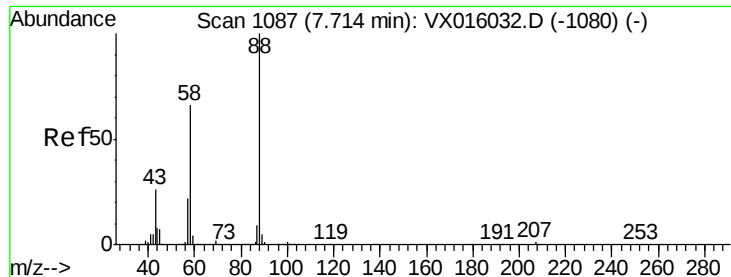
Delta R.T. -0.00 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Tgt Ion:	41	Resp:	2932
Ion	Ratio	Lower	Upper
41	100		
69	73.9	67.8	101.6
39	65.1	44.6	67.0





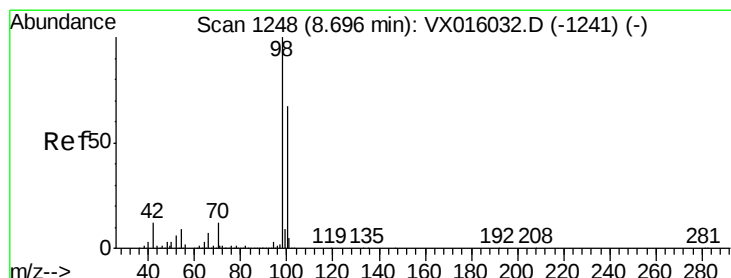
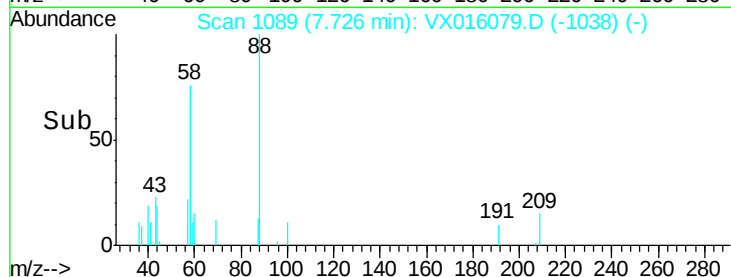
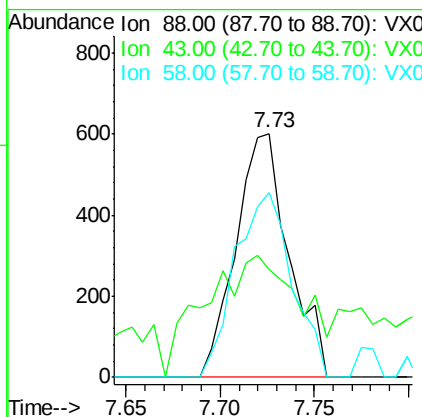
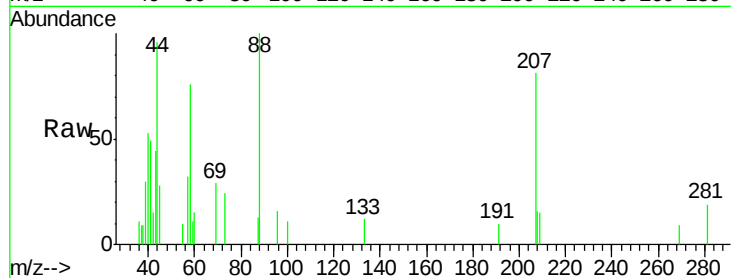
#49
1,4-Dioxane
Concen: 11.876 ug/l
RT: 7.73 min Scan# 1089
Delta R.T. 0.01 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	90.4	25.3	37.9#
58	81.4	55.9	83.9

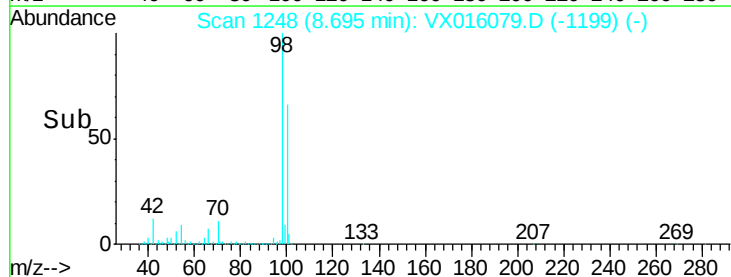
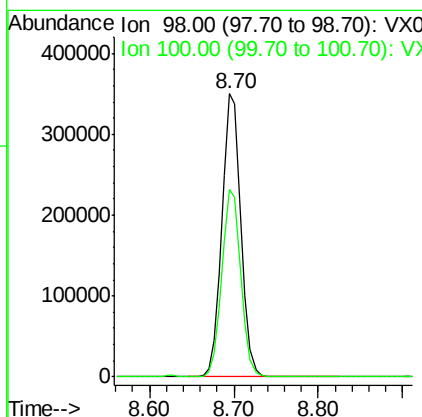
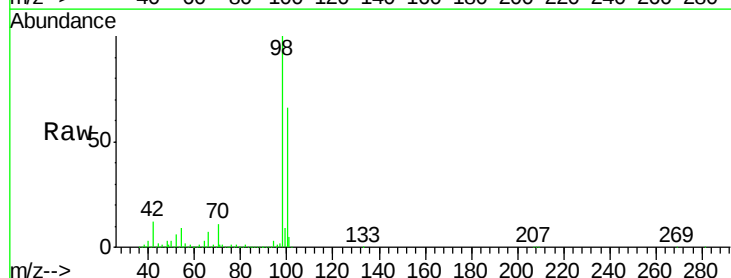
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#50
Toluene-d8
Concen: 46.903 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.7	80.5





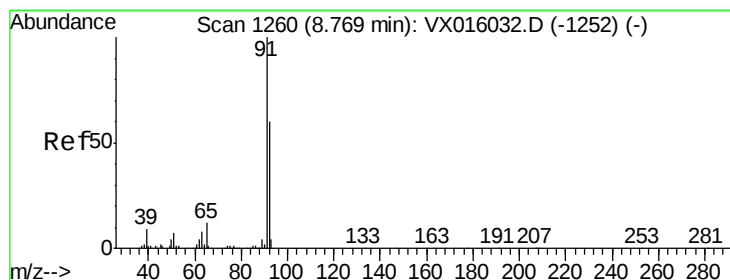
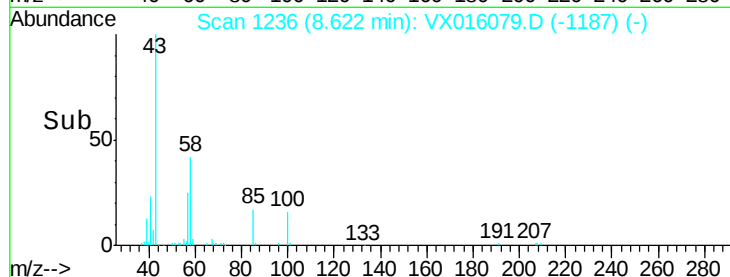
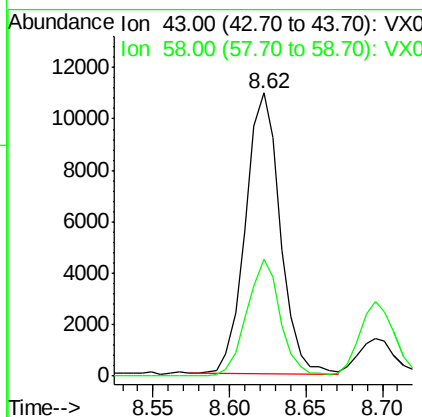
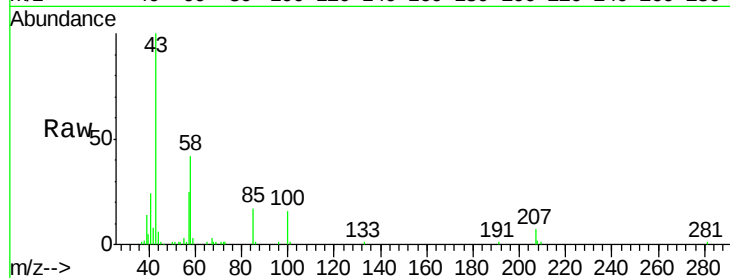
#51
4-Methyl-2-Pentanone
Concen: 3.236 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.3	33.0	49.4

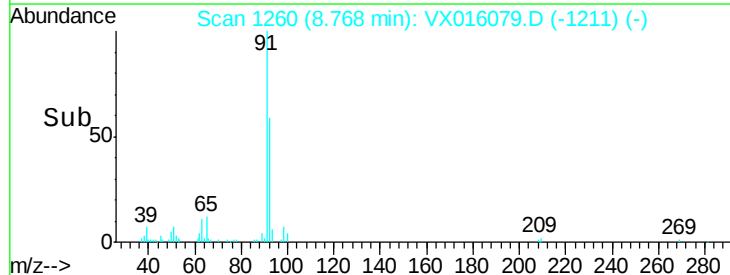
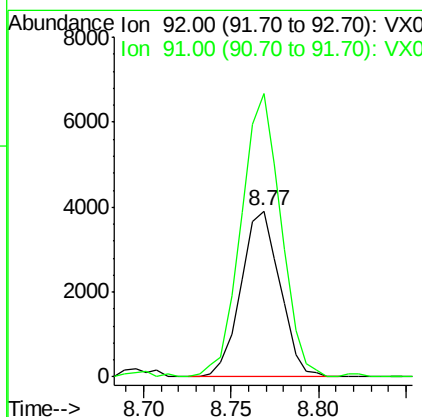
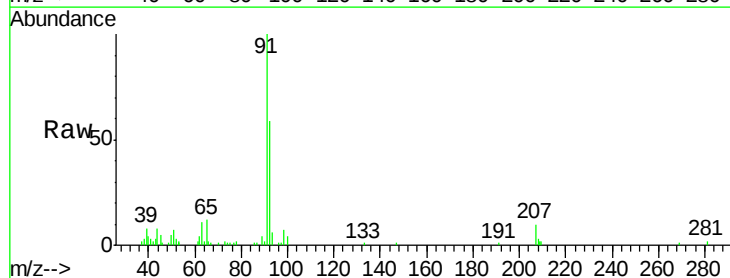
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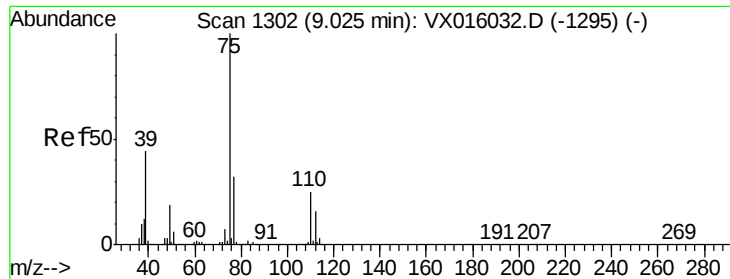
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#52
Toluene
Concen: 0.710 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.7	134.5	201.7





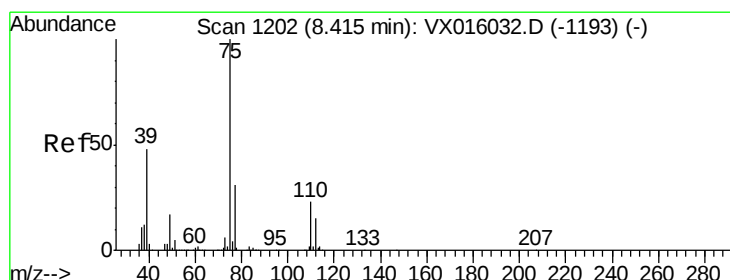
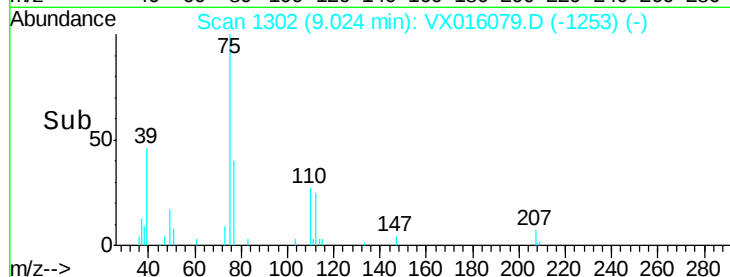
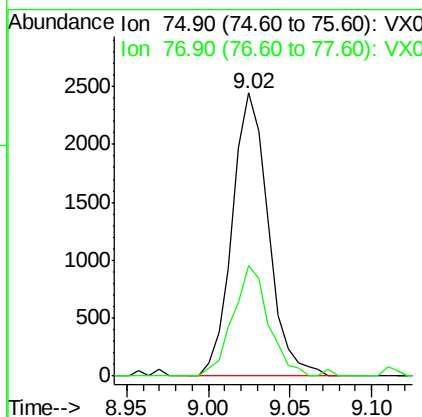
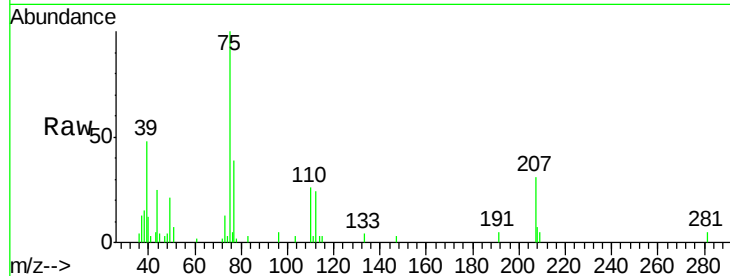
#53
t-1,3-Dichloropropene
Concen: 0.658 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

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

Tot Ion: 75 Resp: 3772
Ion Ratio Lower Upper
75 100
77 38.9 25.7 38.5#

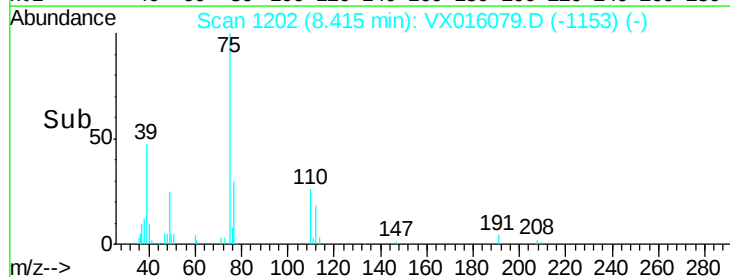
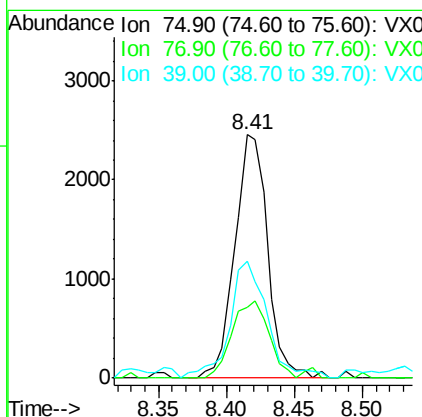
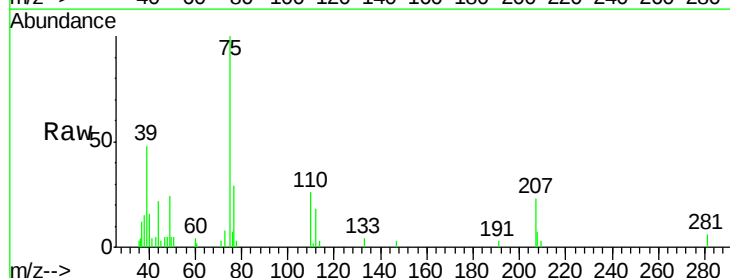
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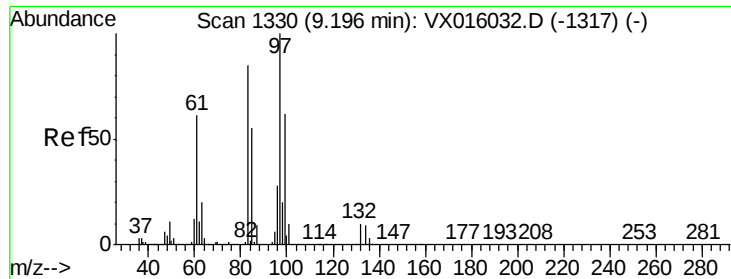
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#54
cis-1,3-Dichloropropene
Concen: 0.692 ug/l
RT: 8.41 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

Tgt Ion: 75 Resp: 4144
Ion Ratio Lower Upper
75 100
77 28.9 24.7 37.1
39 48.2 38.7 58.1





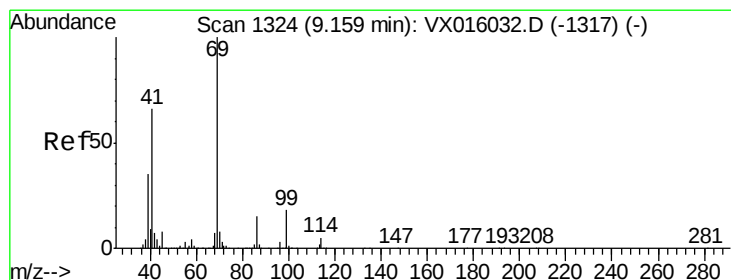
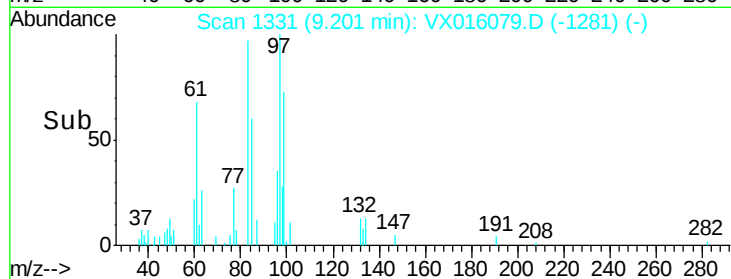
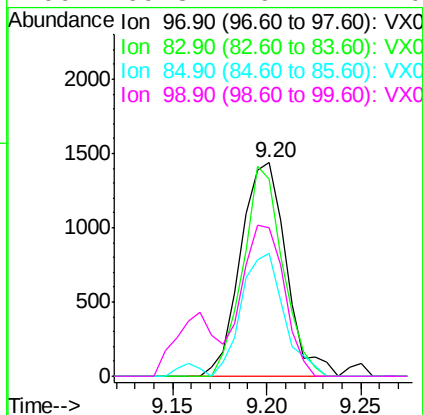
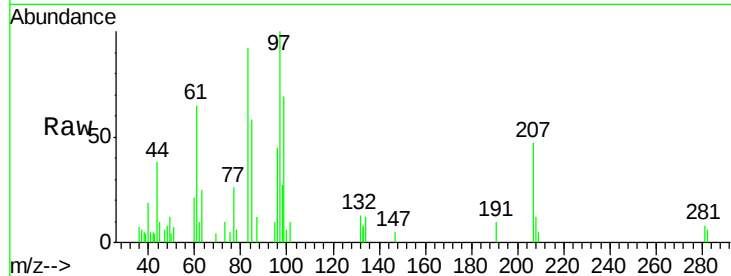
#55
 1,1,2-Trichloroethane
 Concen: 0.715 ug/l
 RT: 9.20 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: VX016079.D
 Acq: 06 May 2020 13:27

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

Tot Ion:	97	Resp:	2406
Ion	Ratio	Lower	Upper
97	100		
83	92.4	67.8	101.8
85	57.5	43.8	65.8
99	69.3	49.4	74.0

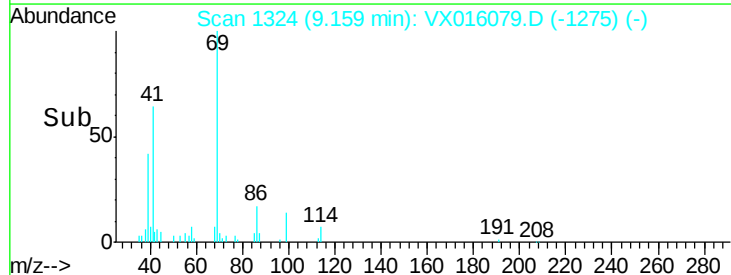
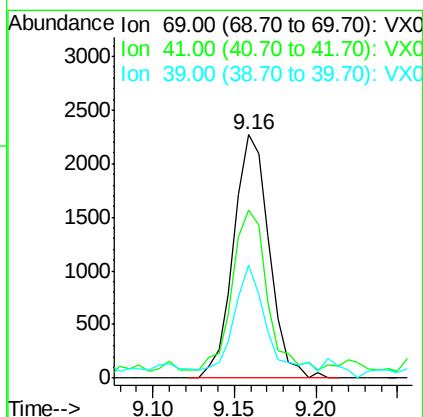
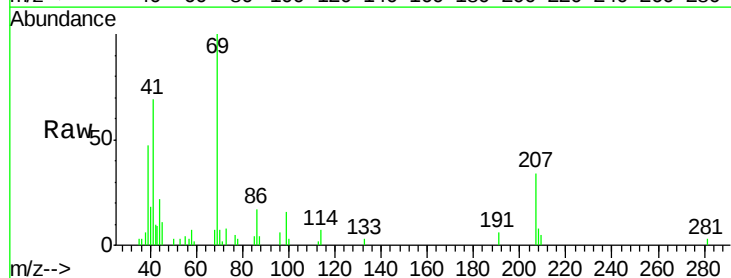
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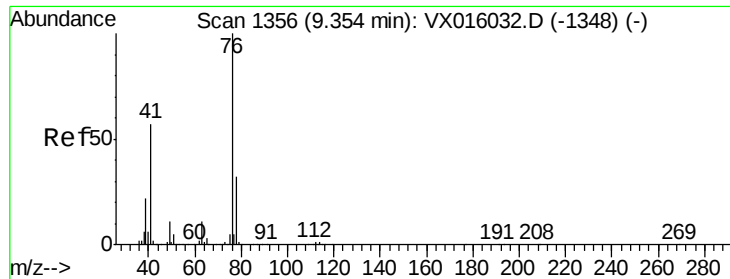
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#56
 Ethyl methacrylate
 Concen: 0.627 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016079.D
 Acq: 06 May 2020 13:27

Tgt Ion:	69	Resp:	3448
Ion	Ratio	Lower	Upper
69	100		
41	64.9	52.2	78.4
39	41.5	28.2	42.4





#57

1,3-Dichloropropane

Concen: 0.701 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 76 Resp: 4116

Ion Ratio Lower Upper

76 100

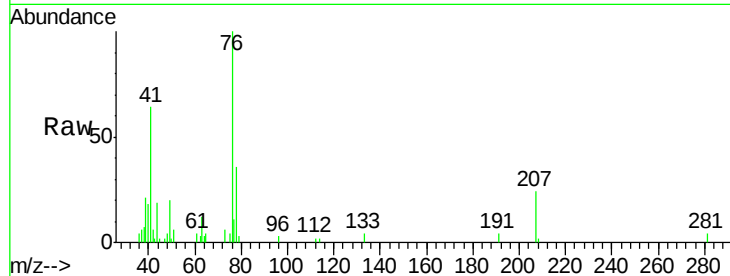
78 40.5 25.9 38.9#

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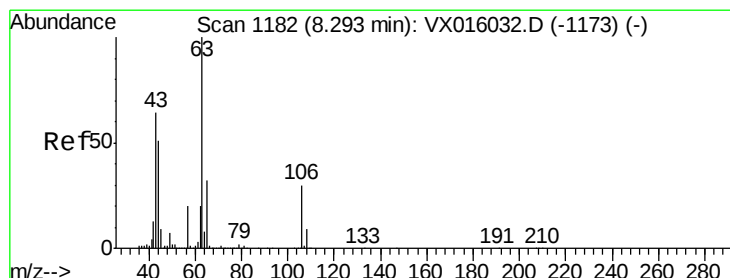
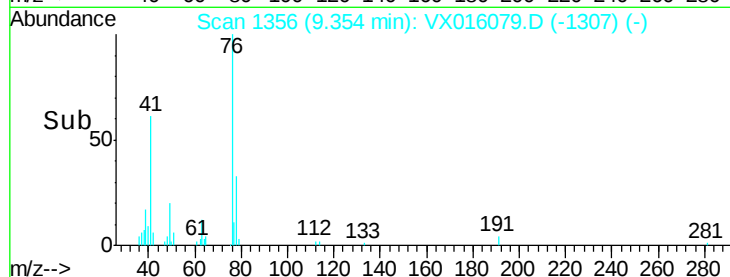
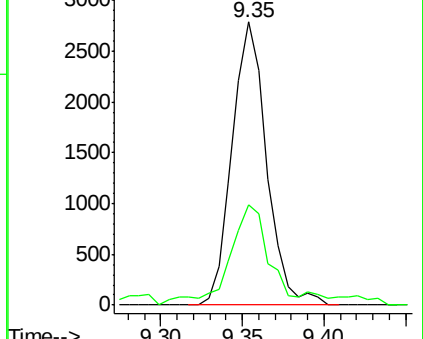
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 3.180 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX016079.D

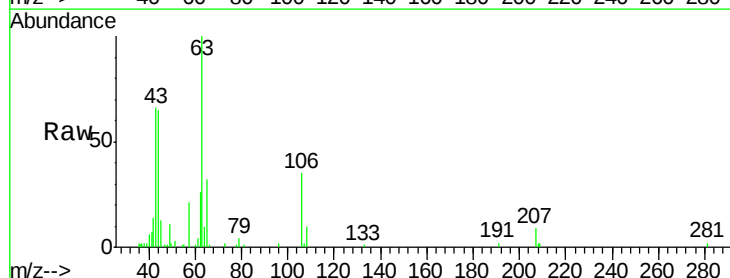
Acq: 06 May 2020 13:27

Tgt Ion: 63 Resp: 9303

Ion Ratio Lower Upper

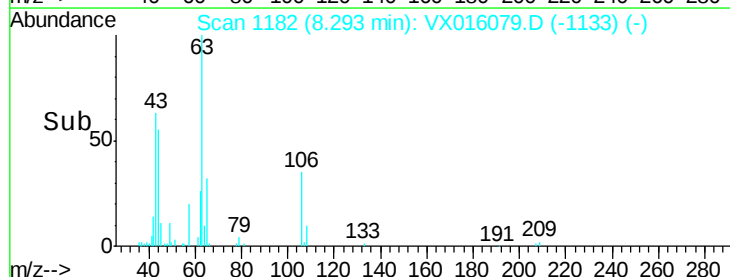
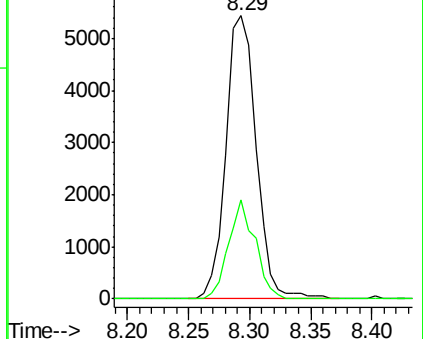
63 100

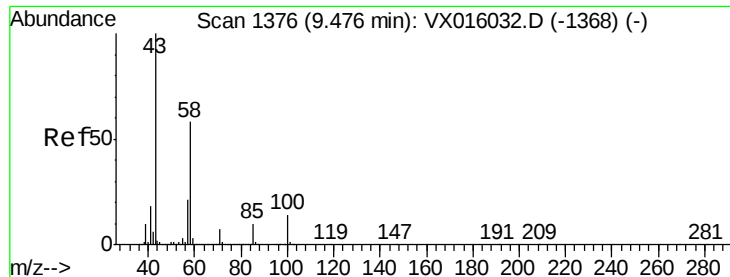
106 30.5 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





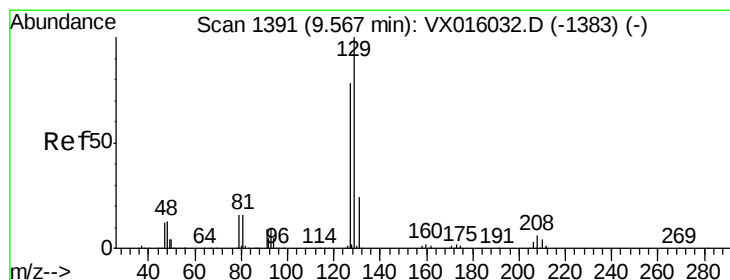
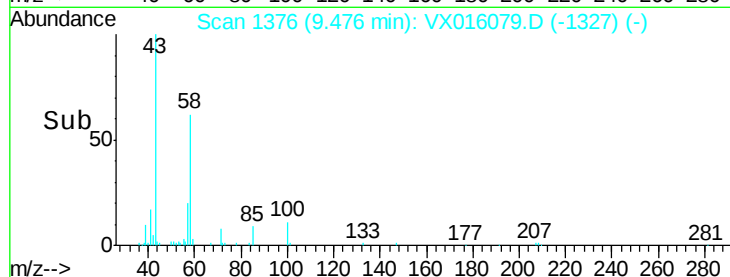
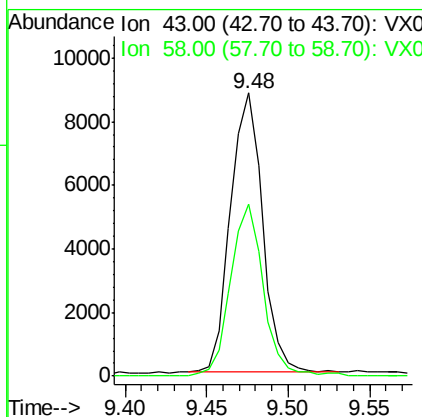
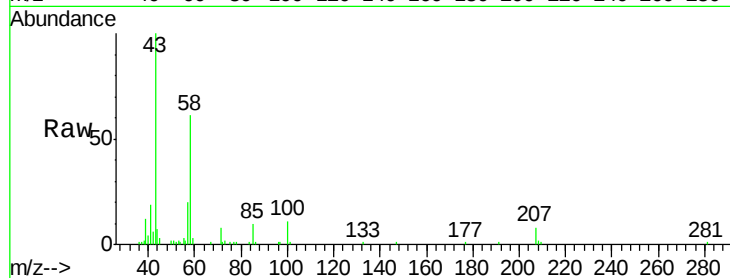
#59
2-Hexanone
Concen: 2.884 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

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

Tot Ion: 43 Resp: 12026
Ion Ratio Lower Upper
43 100
58 63.5 28.6 85.9

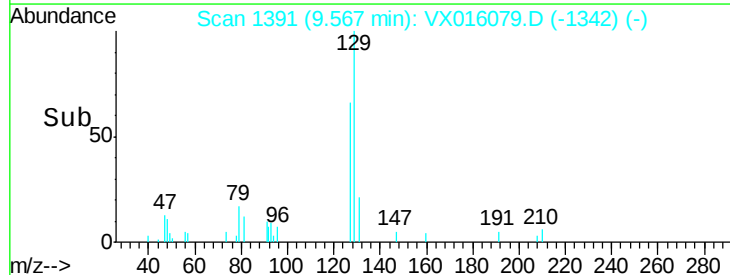
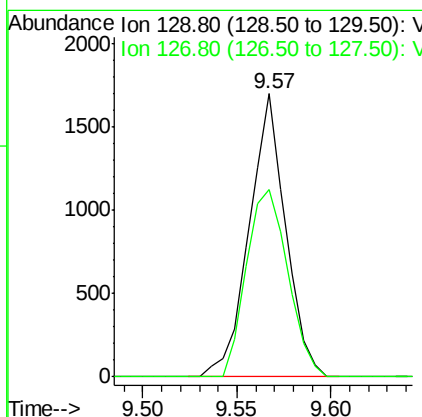
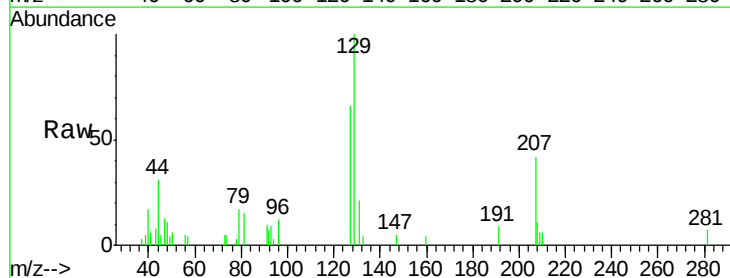
Manual Integrations
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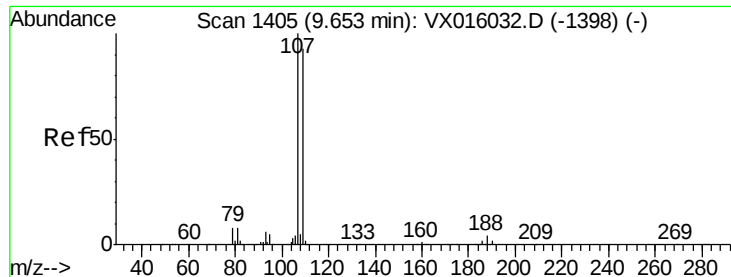
MMDadoda
5/8/2020 11:54:57 AM



#60
Dibromochloromethane
Concen: 0.615 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

Tgt Ion: 129 Resp: 2281
Ion Ratio Lower Upper
129 100
127 75.1 38.4 115.2





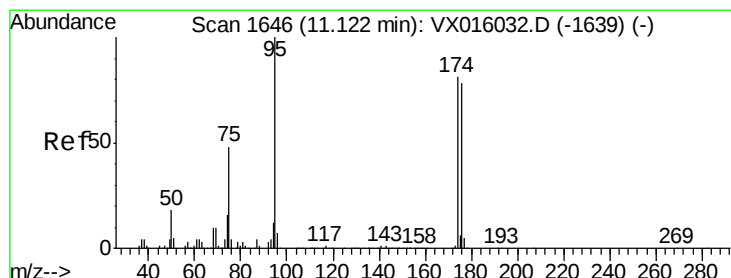
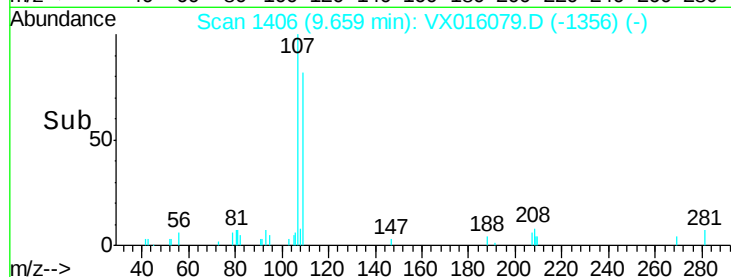
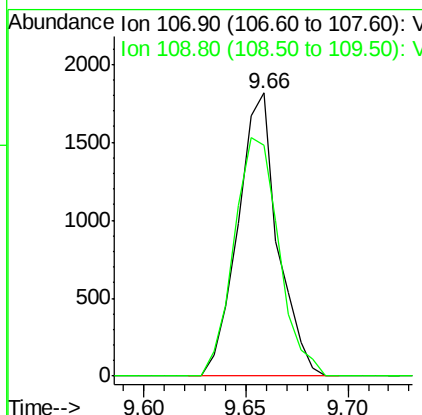
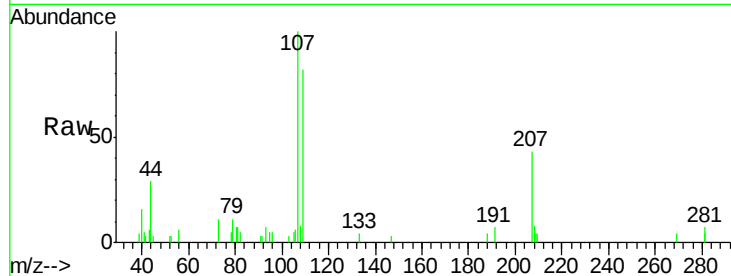
#61
 1,2-Dibromoethane
 Concen: 0.675 ug/l
 RT: 9.66 min Scan# 1406
 Delta R.T. 0.01 min
 Lab File: VX016079.D
 Acq: 06 May 2020 13:27

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

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	74.9	112.3

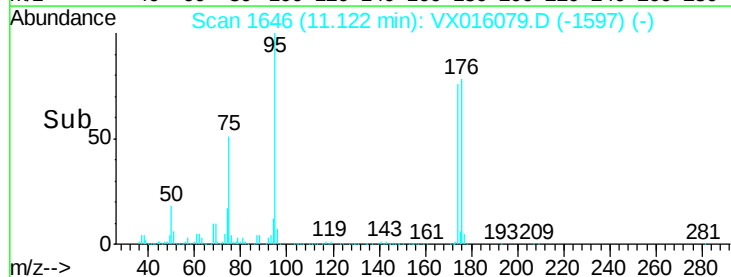
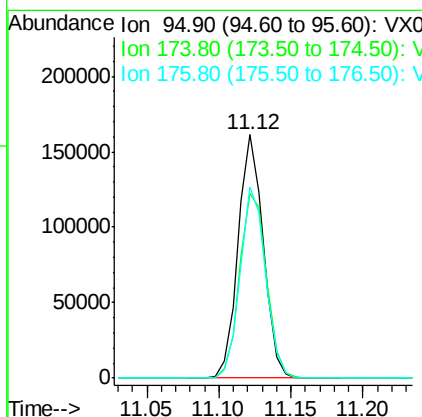
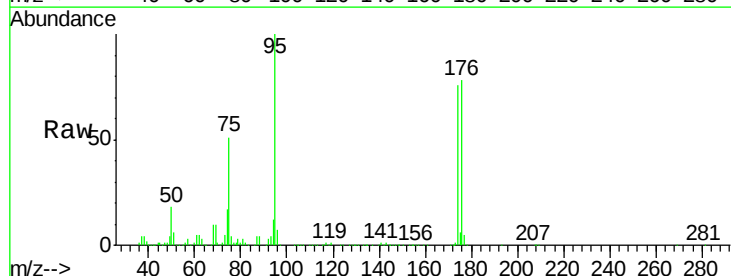
Manual Integrations
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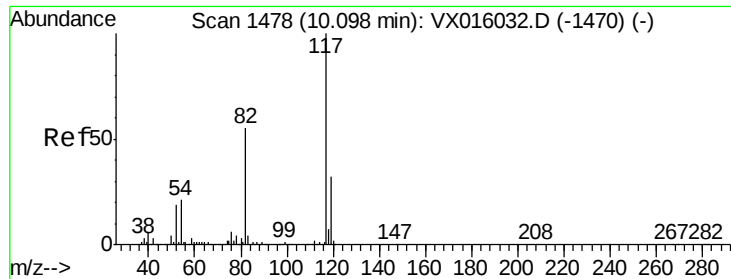
MMDadoda
 5/8/2020 11:54:57 AM



#62
 4-Bromofluorobenzene
 Concen: 44.345 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX016079.D
 Acq: 06 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	159.4
176	78.8	0.0	157.6





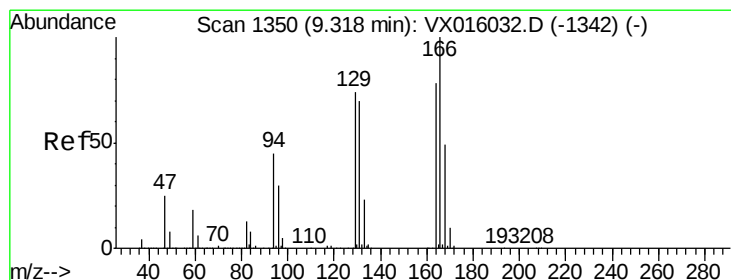
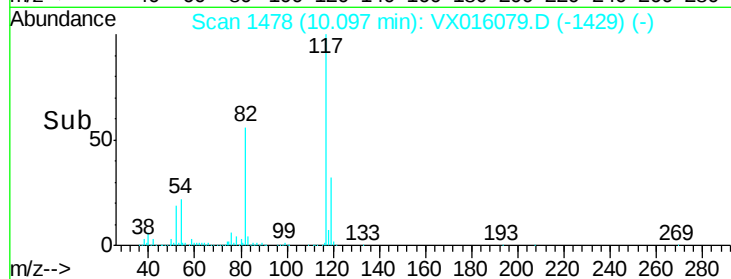
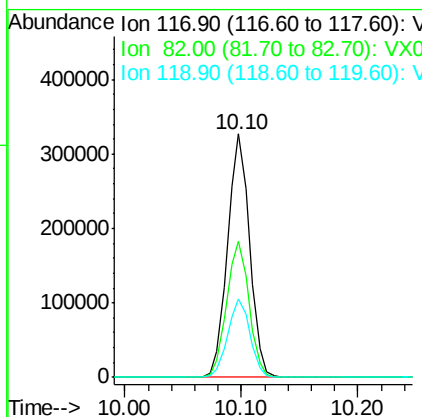
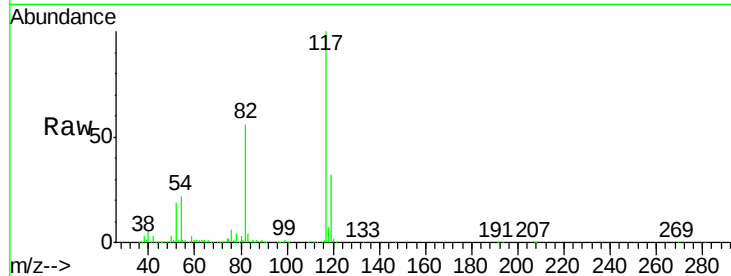
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

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

Tot Ion:	117	Resp:	430513
Ion Ratio	Lower	Upper	
117	100		
82	55.9	44.4	66.6
119	32.2	25.5	38.3

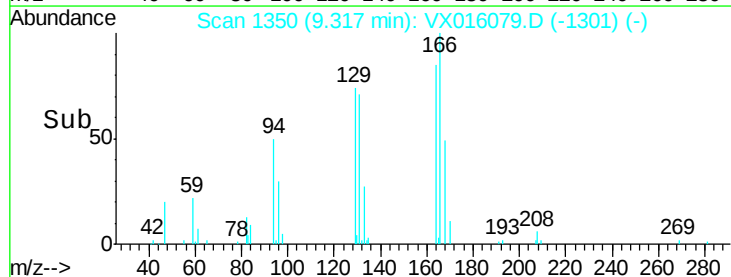
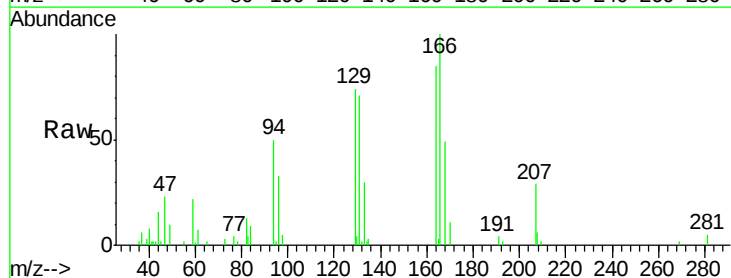
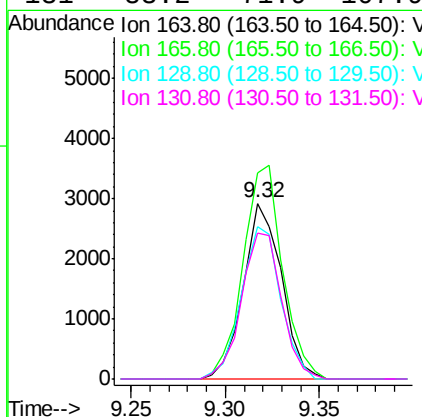
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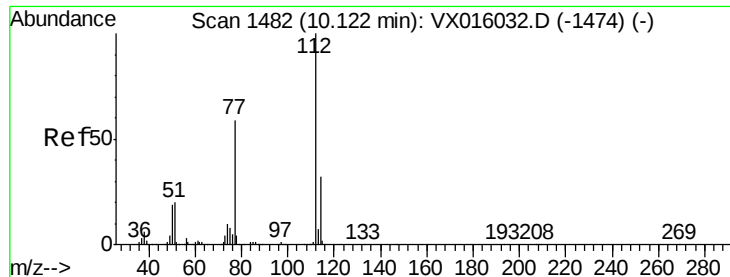
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#64
Tetrachloroethene
Concen: 0.777 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

Tgt Ion:	164	Resp:	4104
Ion Ratio	Lower	Upper	
164	100		
166	117.1	102.9	154.3
129	86.6	76.1	114.1
131	83.2	71.9	107.9





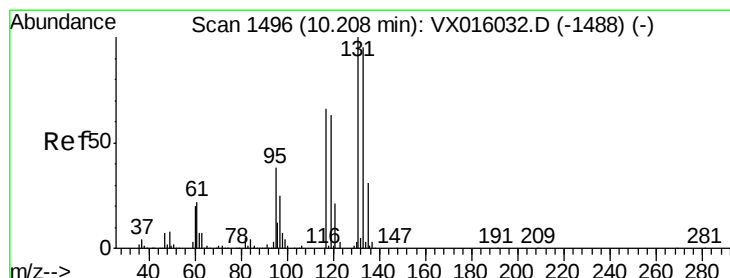
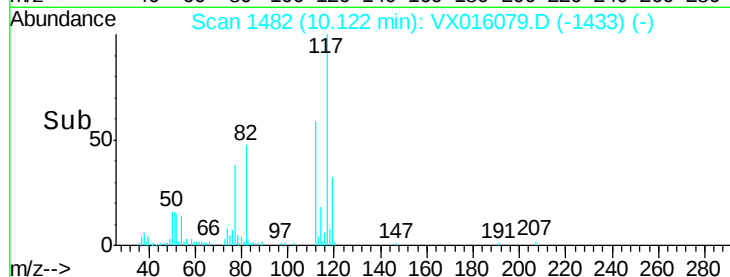
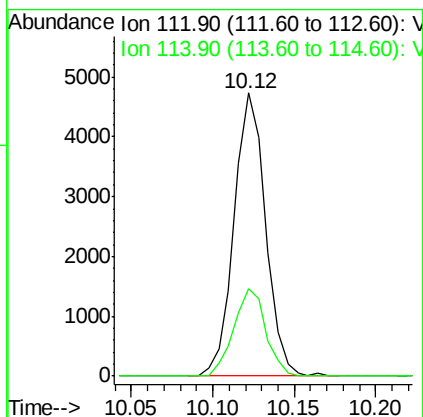
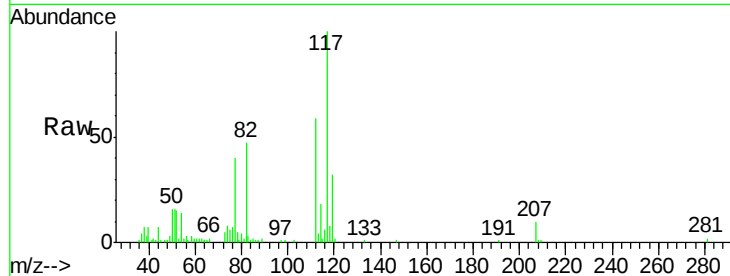
#65
Chlorobenzene
Concen: 0.707 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

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

Tot Ion:112 Resp: 6369
Ion Ratio Lower Upper
112 100
114 31.1 25.7 38.5

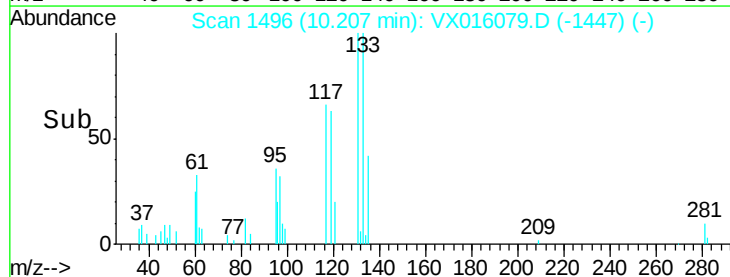
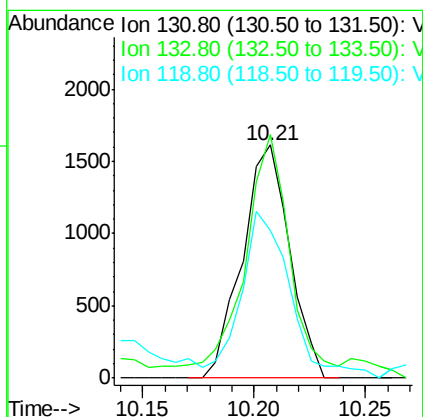
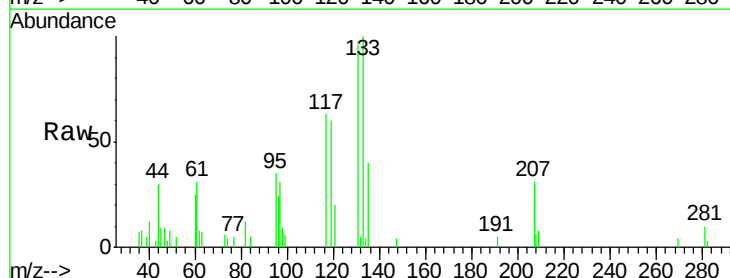
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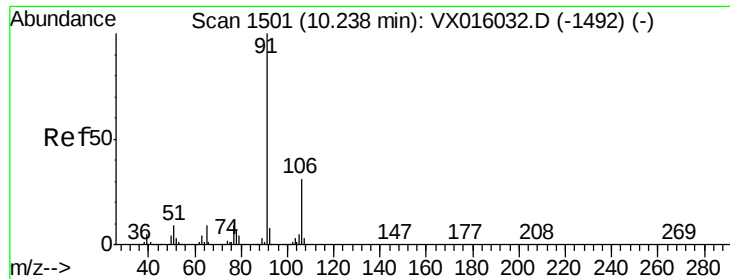
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#66
1,1,1,2-Tetrachloroethane
Concen: 0.717 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

Tgt Ion:131 Resp: 2388
Ion Ratio Lower Upper
131 100
133 88.7 48.3 144.8
119 0.0 32.3 96.9#





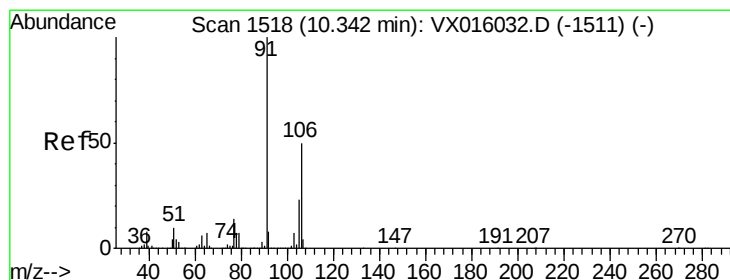
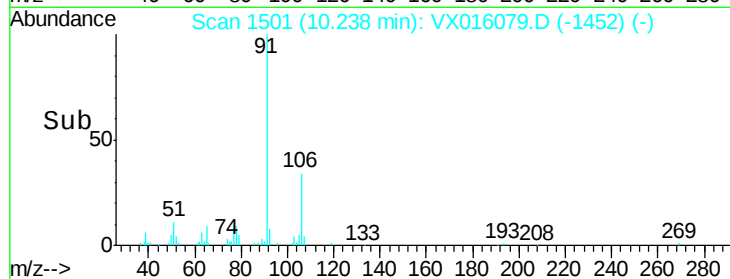
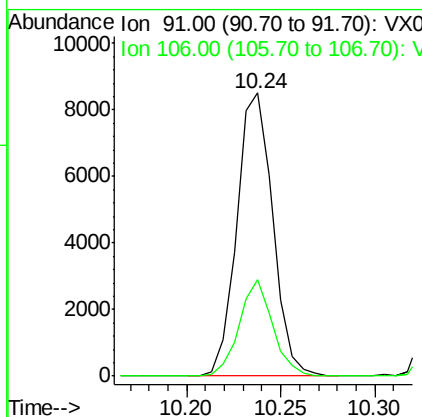
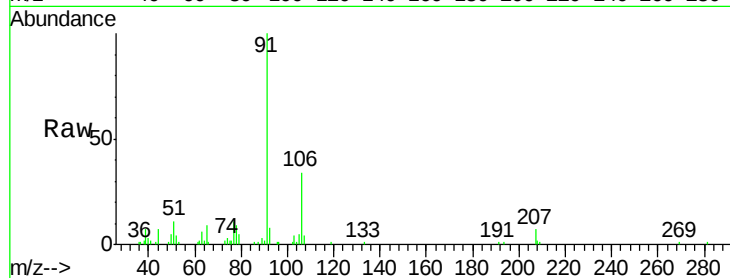
#67
Ethyl Benzene
Concen: 0.698 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

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

Tot Ion: 91 Resp: 11219
Ion Ratio Lower Upper
91 100
106 33.9 25.1 37.7

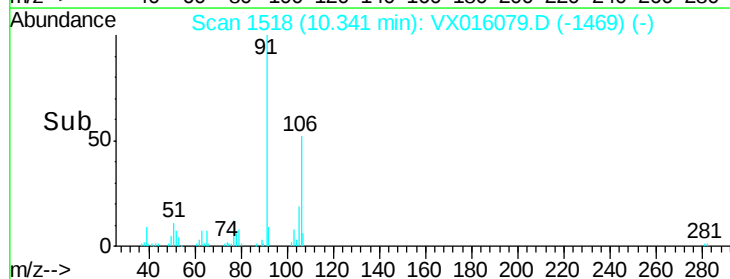
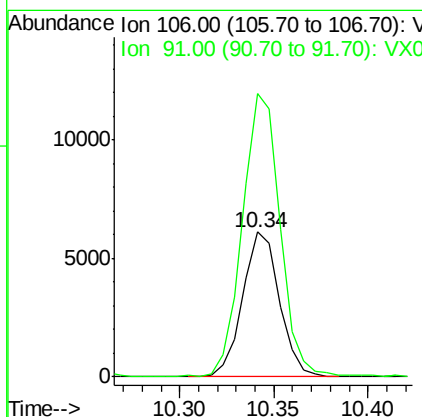
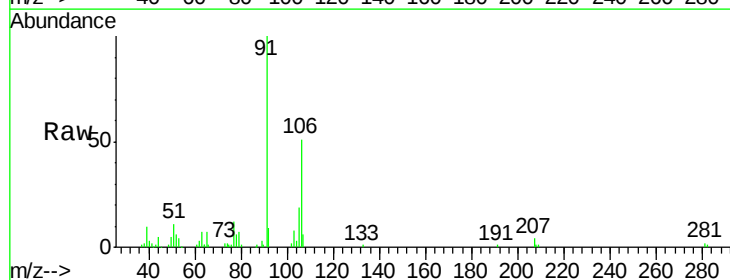
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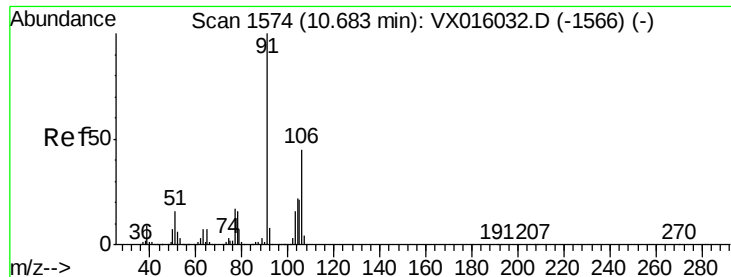
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#68
m/p-Xylenes
Concen: 1.370 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

Tgt Ion: 106 Resp: 8255
Ion Ratio Lower Upper
106 100
91 201.3 161.7 242.5





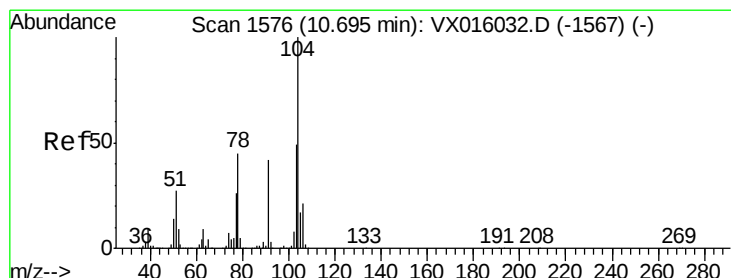
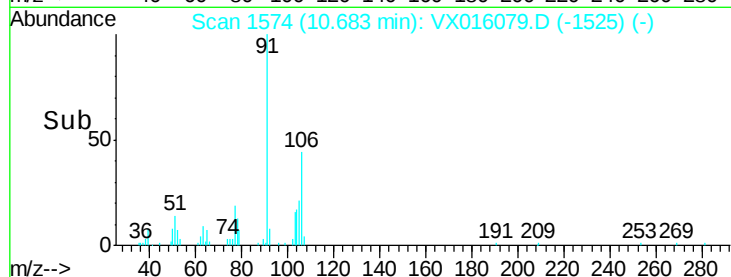
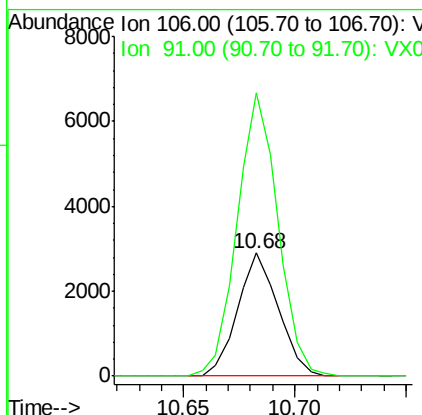
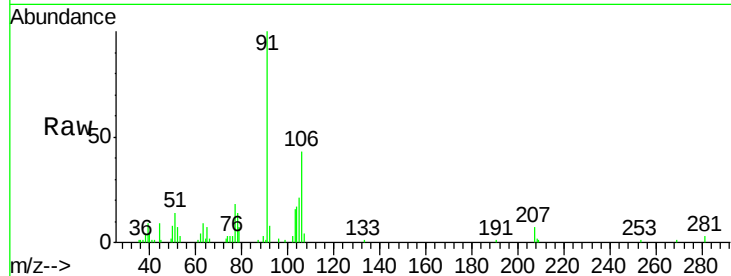
#69
o-Xylene
Concen: 0.636 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		3682		
91	230.8	107.5	322.6		

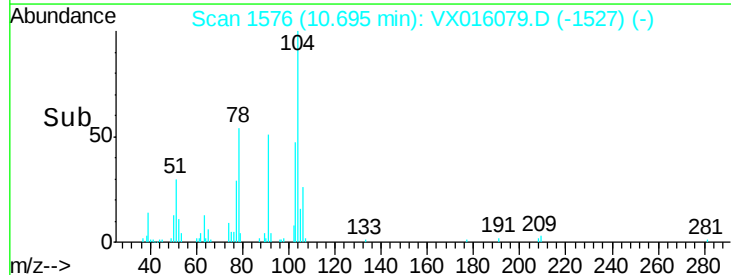
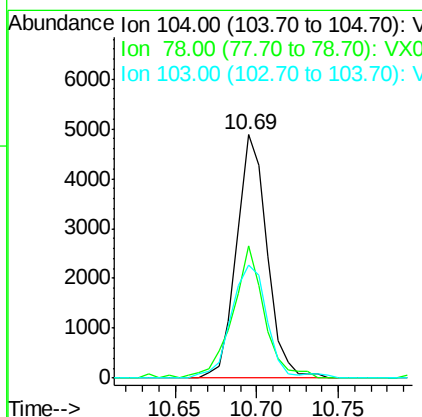
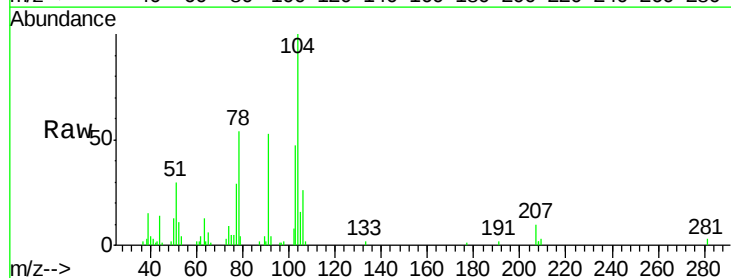
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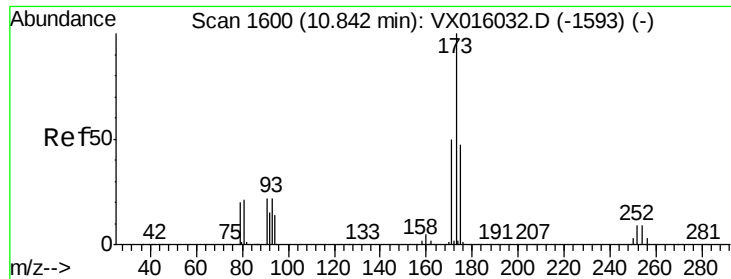
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#70
Styrene
Concen: 0.649 ug/l
RT: 10.69 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		6375		
78	56.2	40.2	60.2		
103	53.9	43.0	64.6		





#71

Bromoform

Concen: 0.601 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Instrument :

MSVOA_X

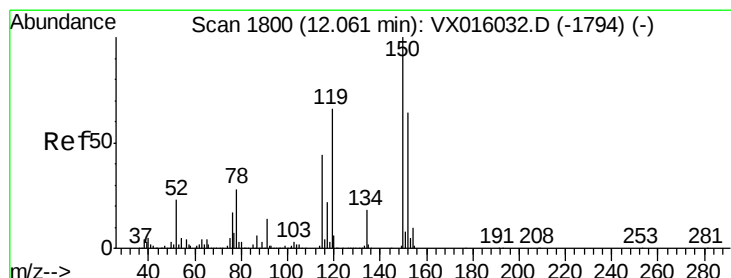
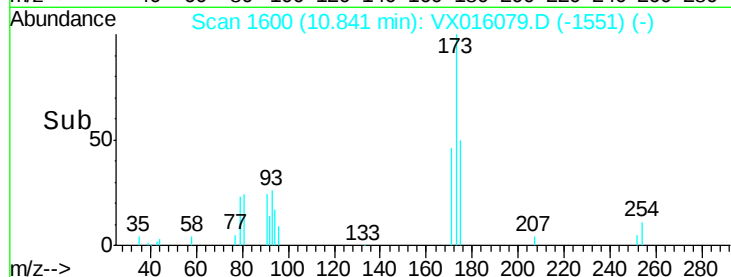
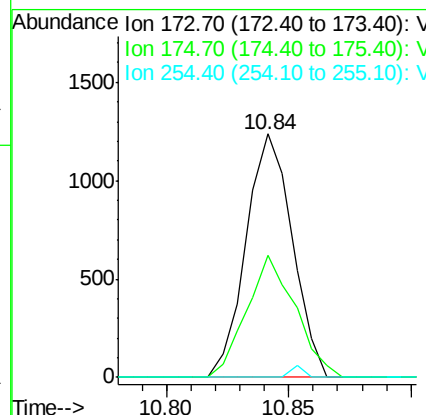
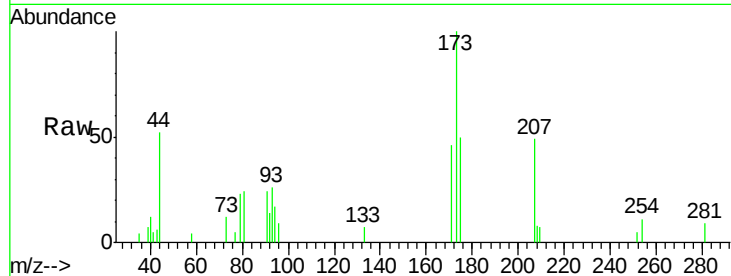
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.8	24.0	72.0
254	1.4	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

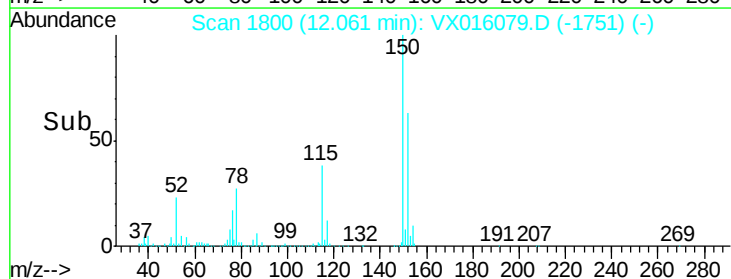
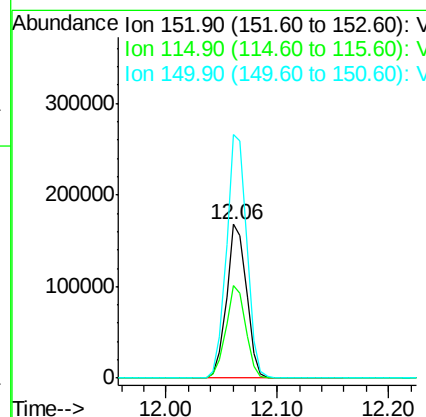
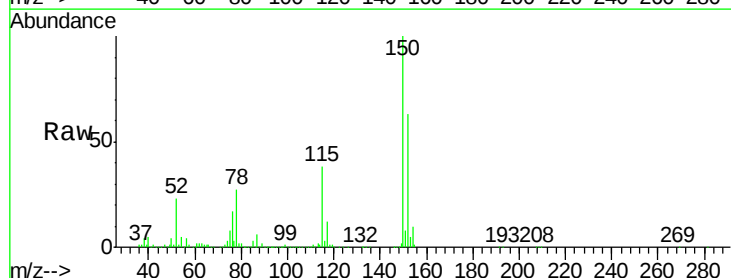
RT: 12.06 min Scan# 1800

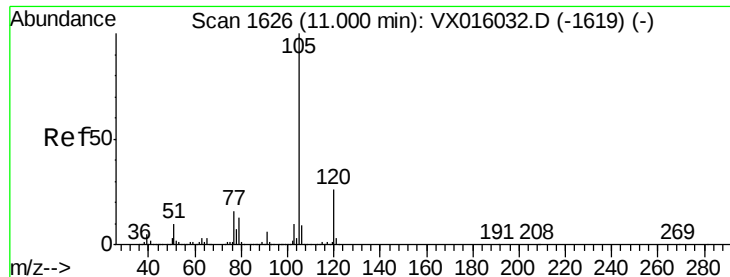
Delta R.T. -0.00 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	41.3	124.1
150	161.7	0.0	352.2





#73

Isopropylbenzene

Concen: 0.678 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:105 Resp: 10202

Ion Ratio Lower Upper

105 100

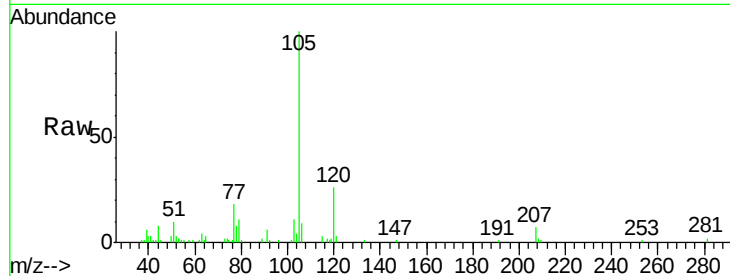
120 27.2 13.4 40.2

Manual Integrations

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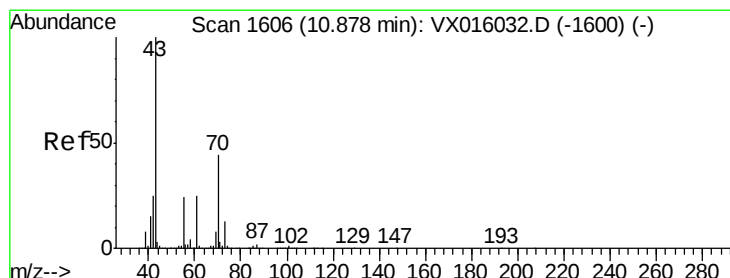
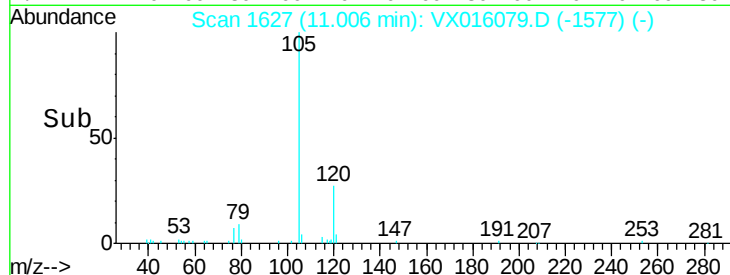
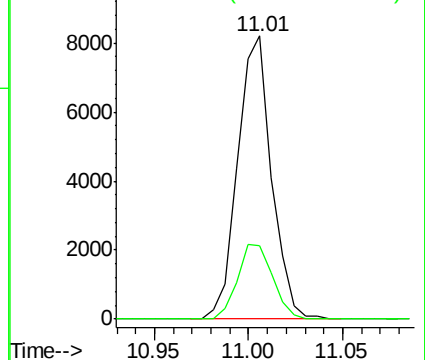
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.646 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Tgt Ion: 43 Resp: 4535

Ion Ratio Lower Upper

43 100

70 42.3 36.5 54.7

55 26.9 19.7 29.5

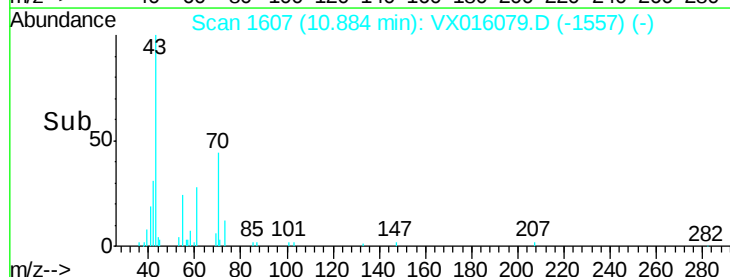
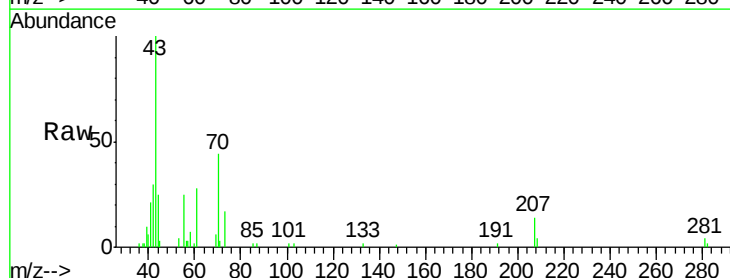
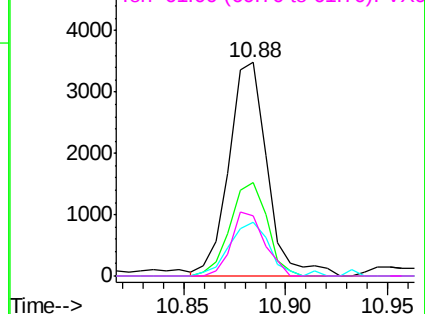
61 25.8 20.9 31.3

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.632 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Instrument :

MSVOA_X

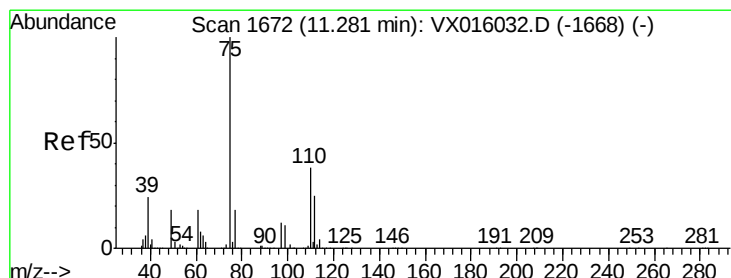
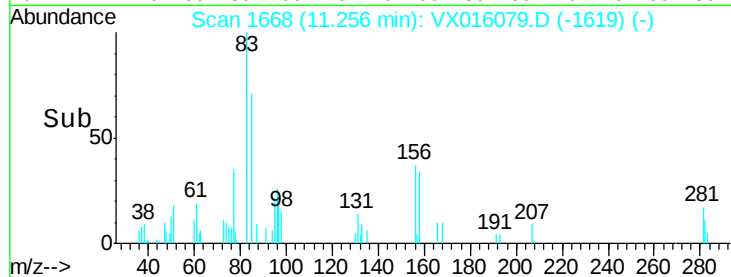
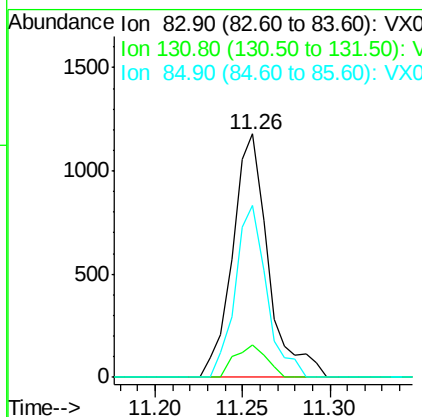
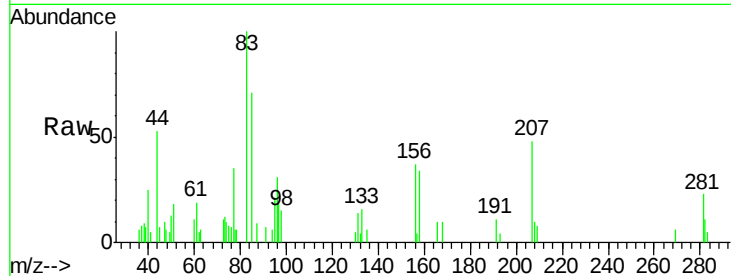
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	83	Resp:	1677
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.1	15.4
85	62.3	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 0.739 ug/l m

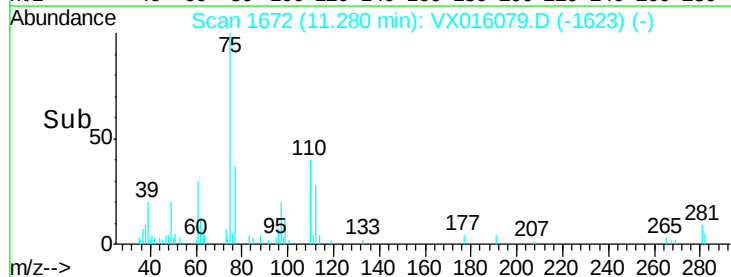
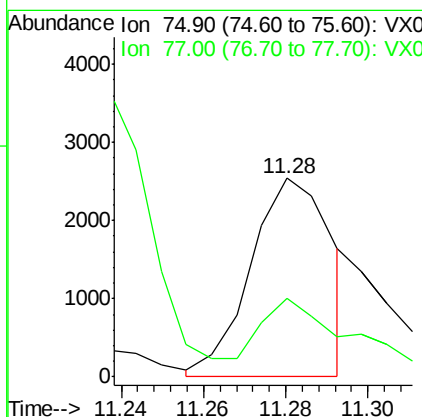
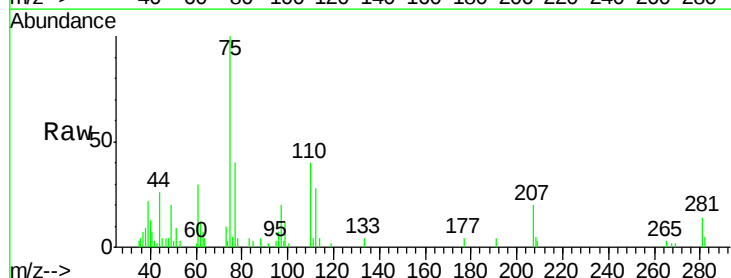
RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Tgt Ion:	75	Resp:	3473
Ion Ratio	Lower	Upper	
75	100		
77	46.4	21.2	63.6





#77

Bromobenzene

Concen: 0.759 ug/l

RT: 11.24 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Instrument :

MSVOA_X

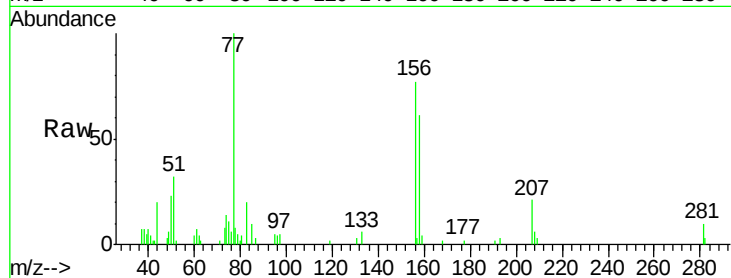
ClientSampleId :

MDL-WATER-03-QT2-2020DL

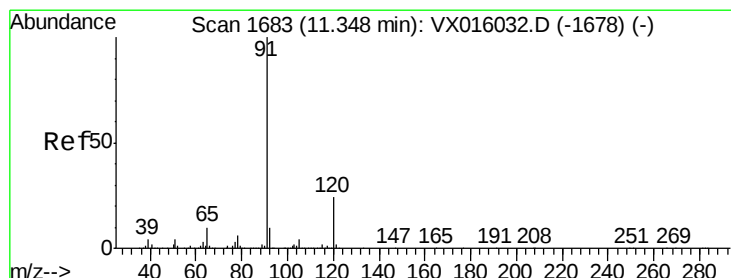
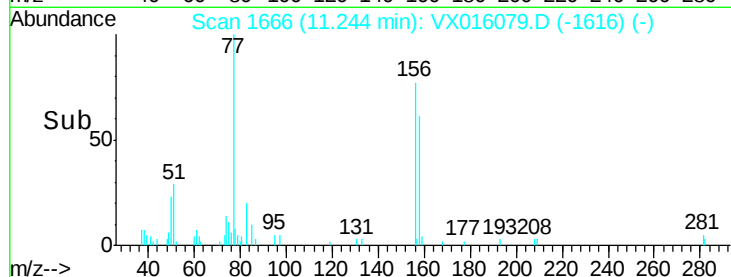
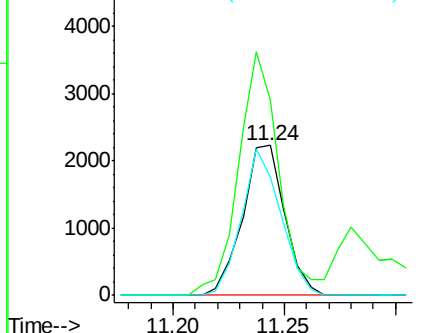
Tot Ion:	156	Resp:	2948
Ion	Ratio	Lower	Upper
156	100		
77	155.8	80.1	240.3
158	90.8	49.4	148.2

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.704 ug/l

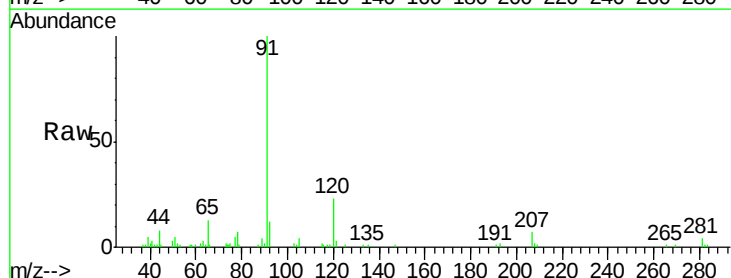
RT: 11.34 min Scan# 1682

Delta R.T. -0.01 min

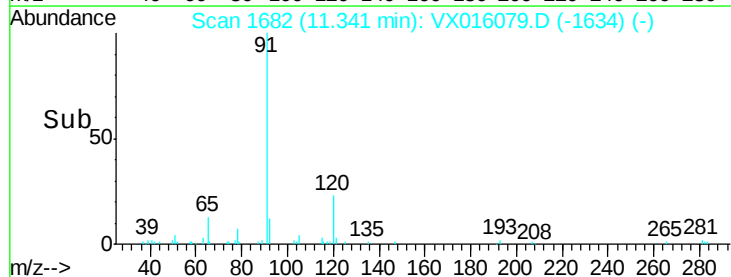
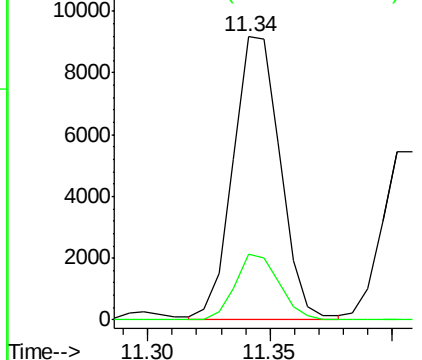
Lab File: VX016079.D

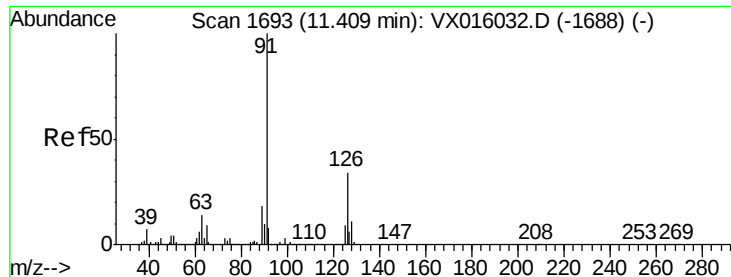
Acq: 06 May 2020 13:27

Tgt Ion:	91	Resp:	12337
Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





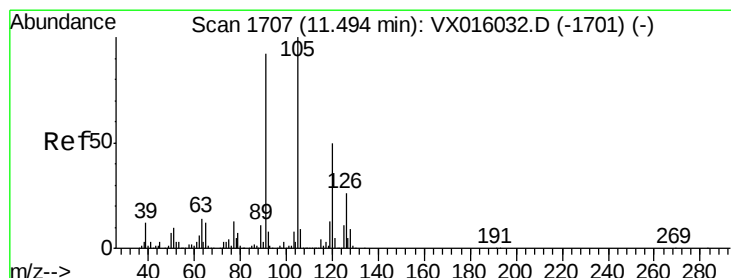
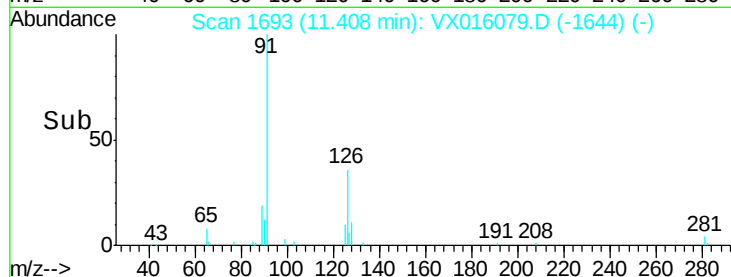
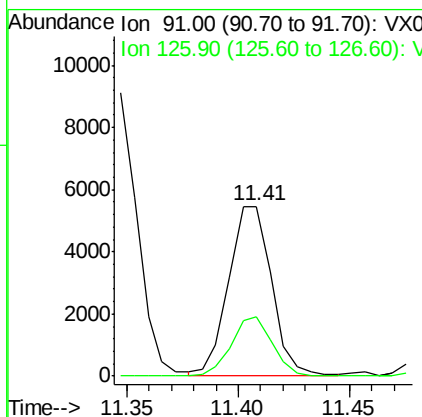
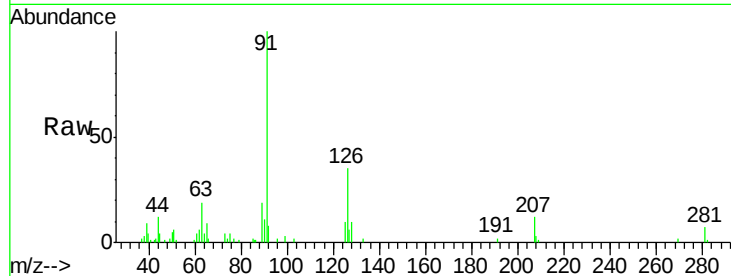
#79
 2-Chlorotoluene
 Concen: 0.714 ug/l
 RT: 11.41 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VX016079.D
 Acq: 06 May 2020 13:27

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

Tot Ion: 91 Resp: 7377
 Ion Ratio Lower Upper
 91 100
 126 33.3 16.9 50.6

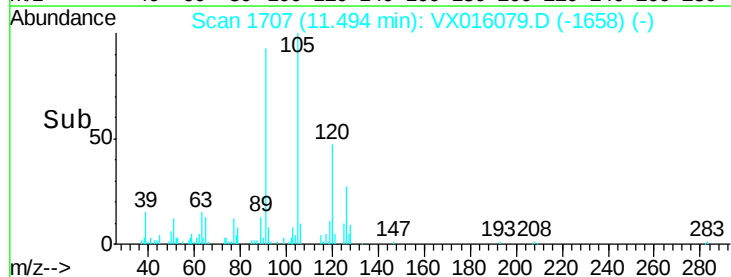
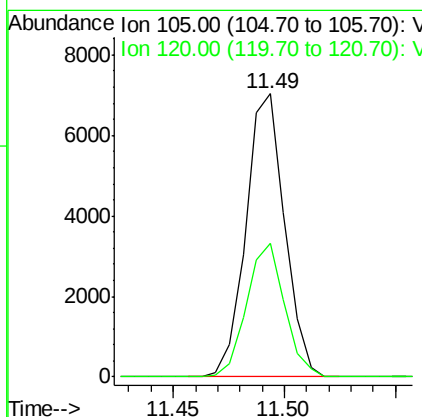
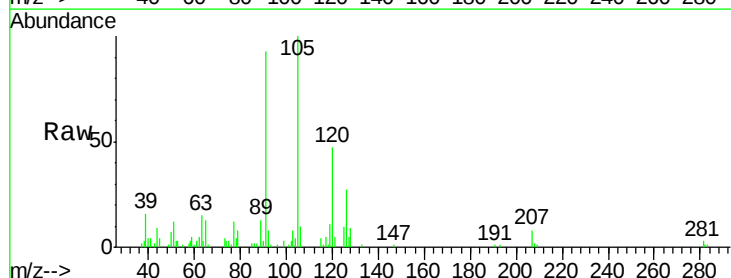
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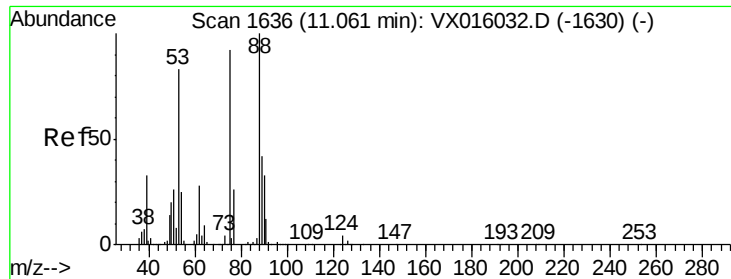
MMDadoda
 5/8/2020 11:54:57 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 0.672 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX016079.D
 Acq: 06 May 2020 13:27

Tgt Ion: 105 Resp: 8536
 Ion Ratio Lower Upper
 105 100
 120 46.4 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 0.700 ug/l m

RT: 11.06 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Instrument :

MSVOA_X

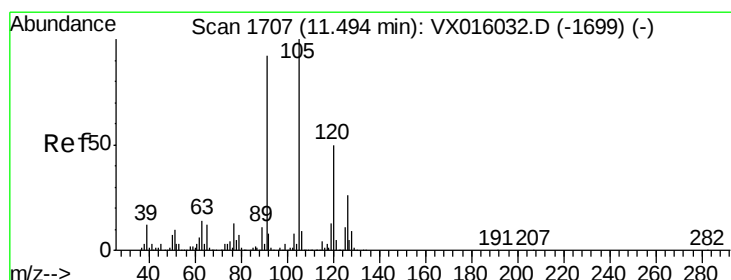
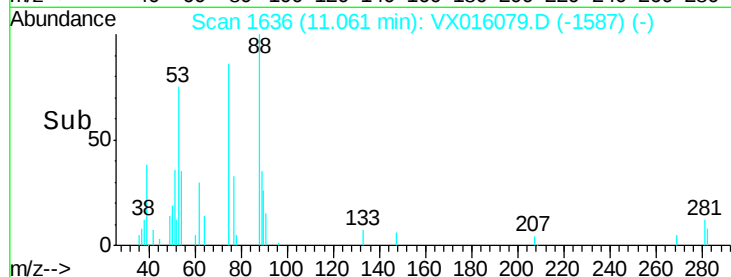
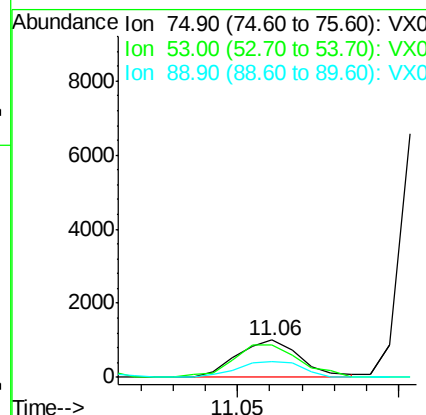
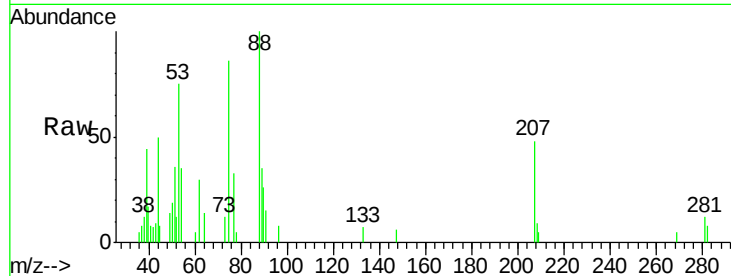
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	75	Resp:	1380
Ion Ratio	Lower	Upper	
75	100		
53	0.0	73.1	109.7#
89	0.0	36.7	55.1#

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#82

4-Chlorotoluene

Concen: 0.733 ug/l

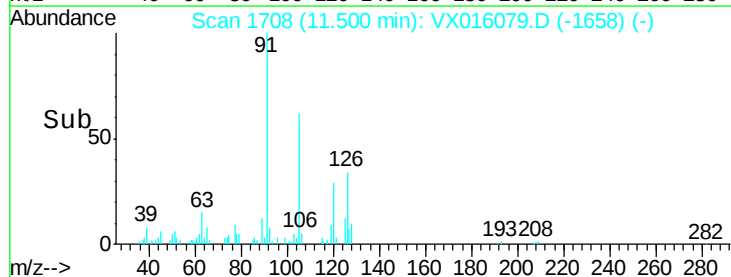
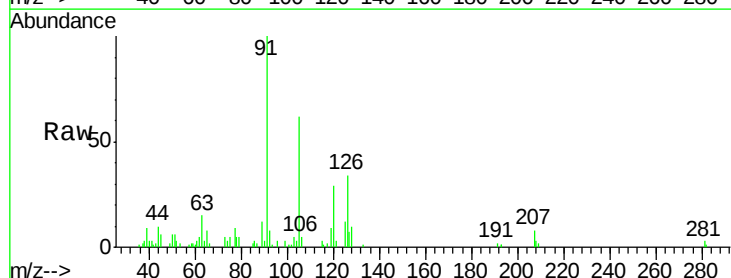
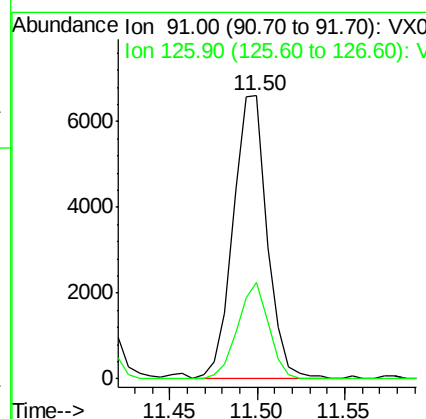
RT: 11.50 min Scan# 1708

Delta R.T. 0.01 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Tgt Ion:	91	Resp:	8953
Ion Ratio	Lower	Upper	
91	100		
126	30.9	14.8	44.3





#83

tert-Butylbenzene

Concen: 0.687 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Instrument :

MSVOA_X

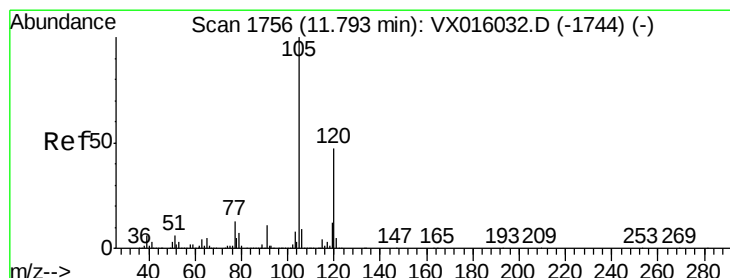
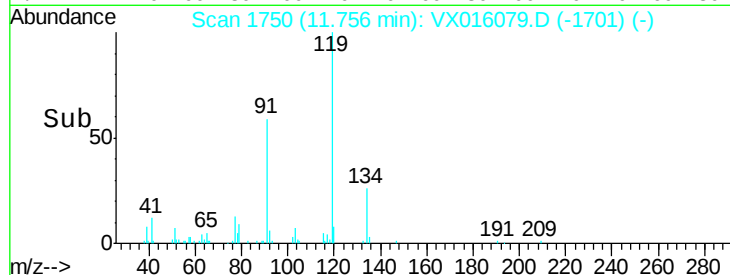
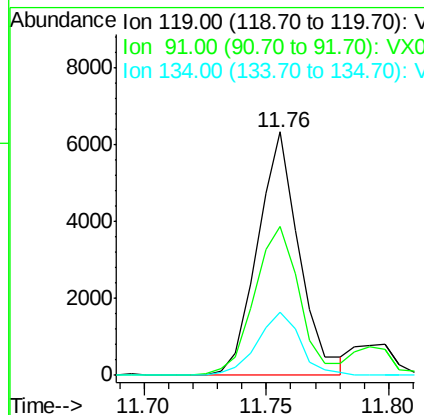
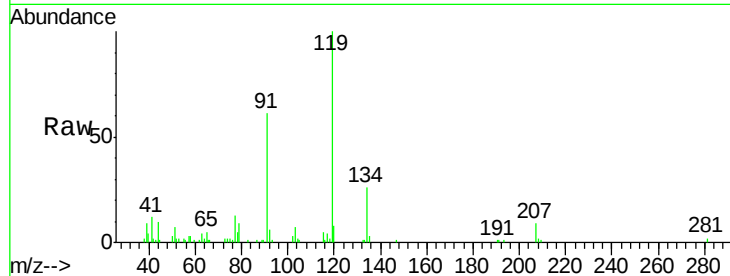
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	119	Resp:	7531
Ion Ratio	Lower	Upper	
119	100		
91	66.9	32.8	98.4
134	26.7	12.4	37.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 0.670 ug/l

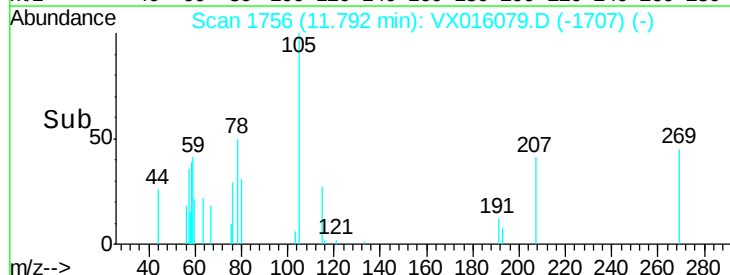
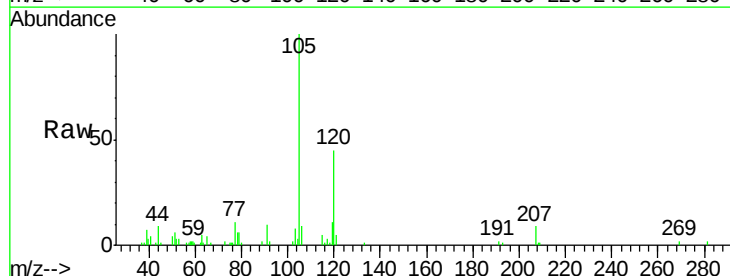
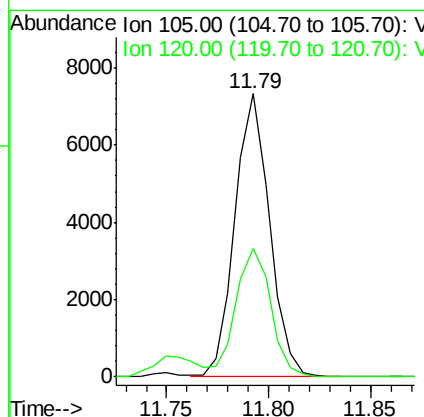
RT: 11.79 min Scan# 1756

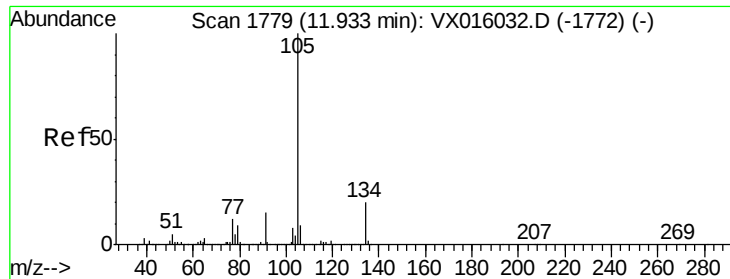
Delta R.T. -0.00 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Tgt Ion:	105	Resp:	8612
Ion Ratio	Lower	Upper	
105	100		
120	45.9	23.0	69.0





#85

sec-Butylbenzene

Concen: 0.645 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:105 Resp: 9539

Ion Ratio Lower Upper

105 100

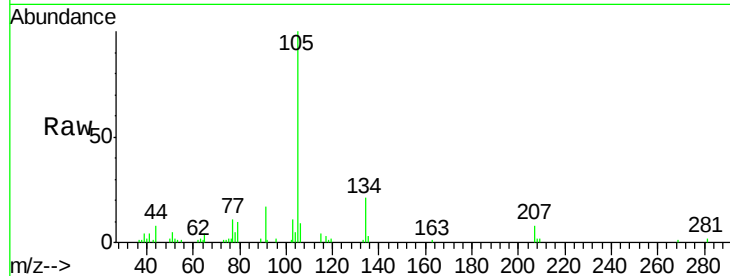
134 22.0 10.1 30.3

Manual Integrations

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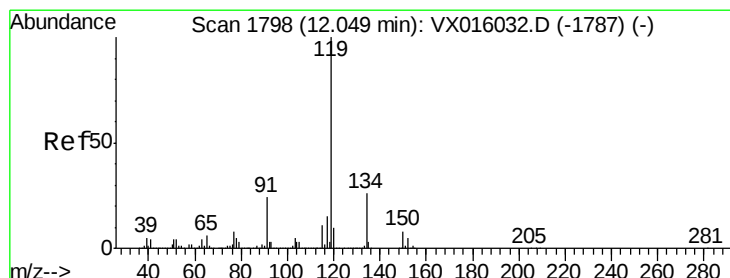
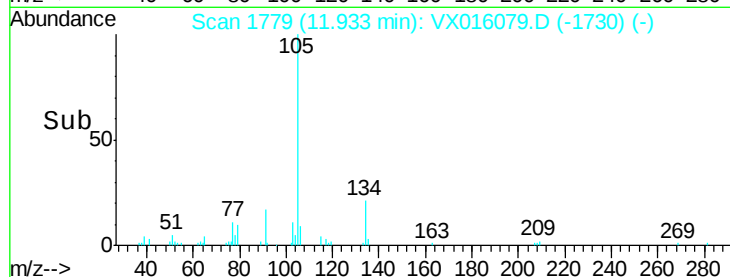
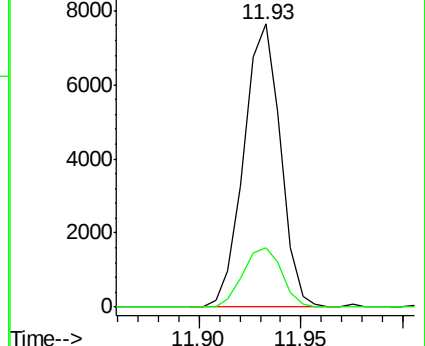
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.653 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

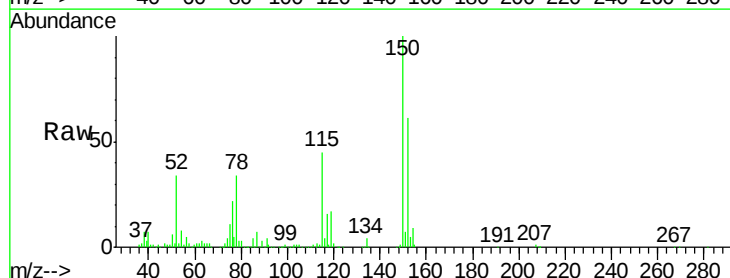
Tgt Ion:119 Resp: 8969

Ion Ratio Lower Upper

119 100

134 27.4 13.1 39.3

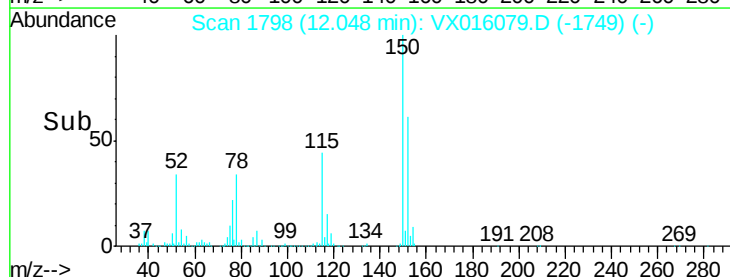
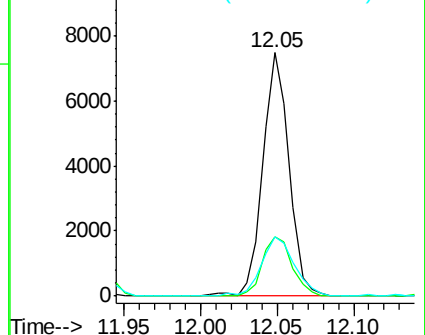
91 30.7 11.8 35.4

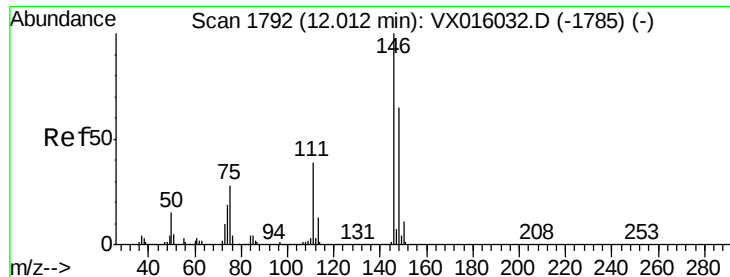


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 0.690 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Instrument :

MSVOA_X

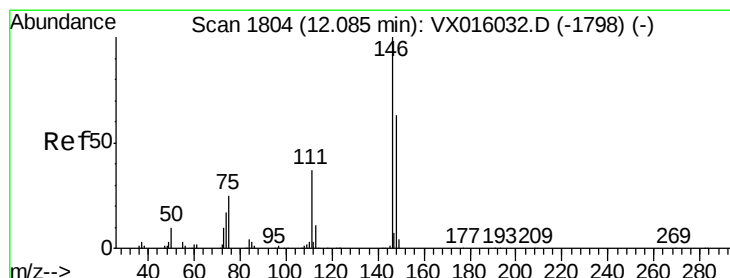
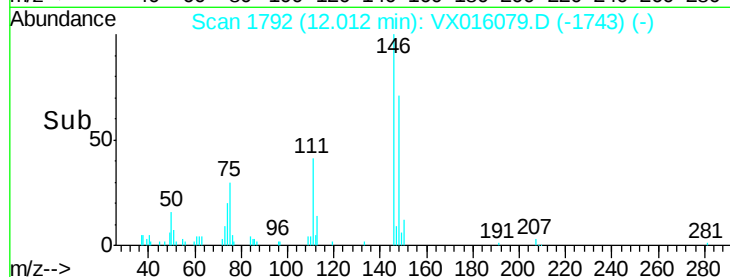
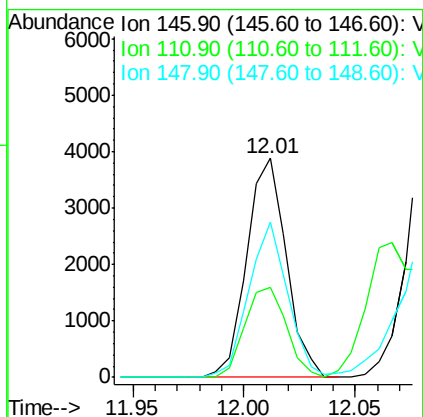
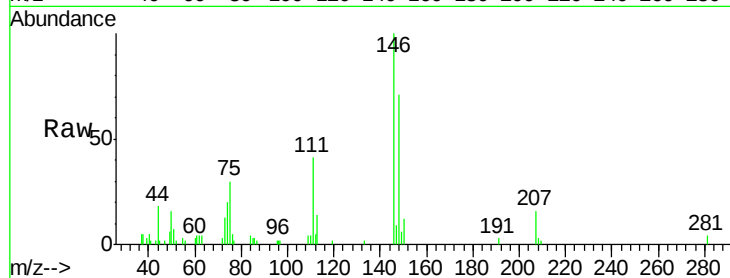
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	146	Resp:	4811
Ion Ratio	Lower	Upper	
146	100		
111	43.2	20.2	60.6
148	69.7	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 0.783 ug/l m

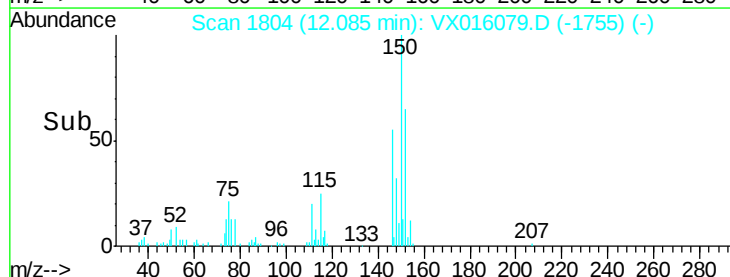
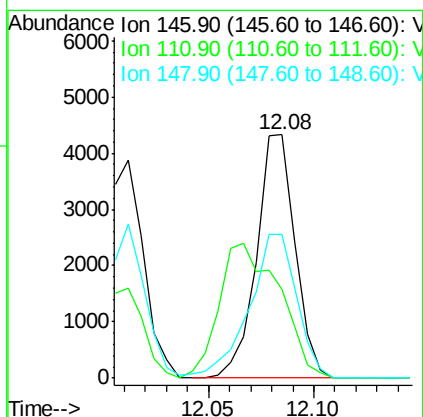
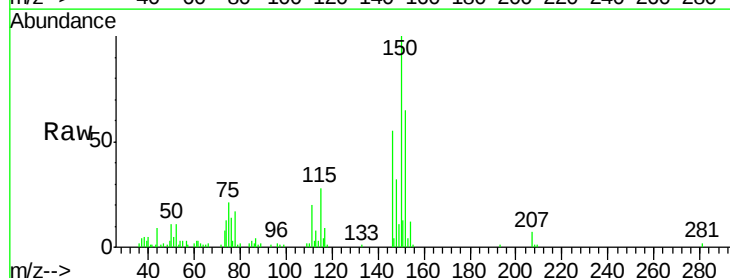
RT: 12.08 min Scan# 1804

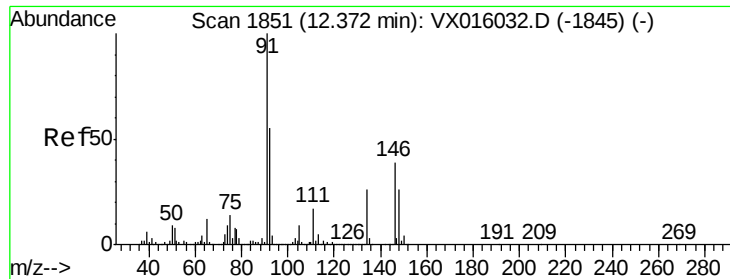
Delta R.T. -0.00 min

Lab File: VX016079.D

Acq: 06 May 2020 13:27

Tgt Ion:	146	Resp:	5542
Ion Ratio	Lower	Upper	
146	100		
111	37.5	19.6	58.7
148	60.5	31.8	95.3





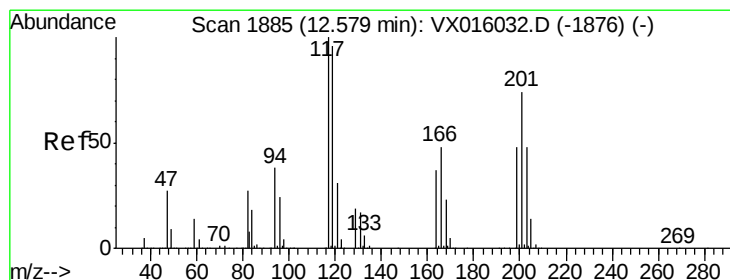
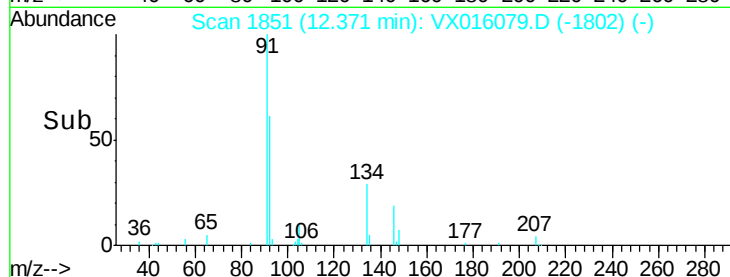
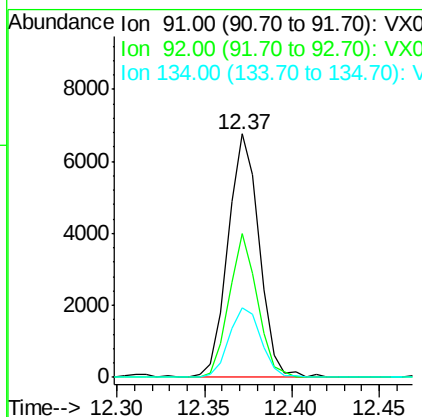
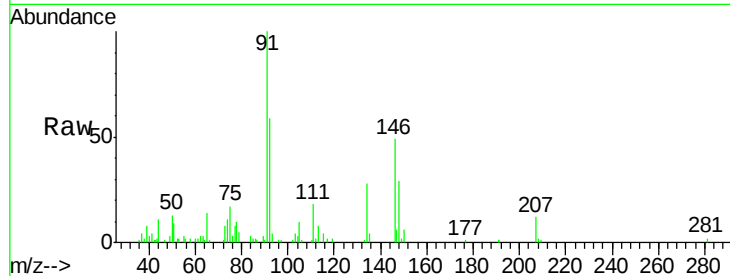
#89
n-Butylbenzene
Concen: 0.669 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.6	82.7
134	29.0	13.4	40.1

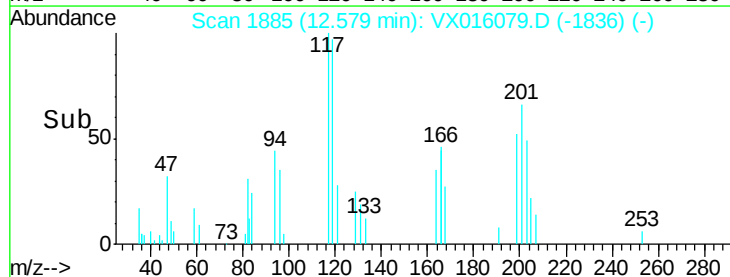
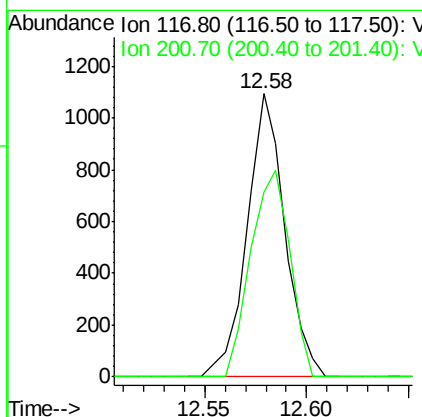
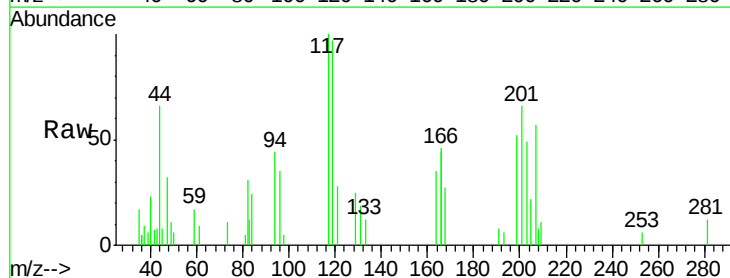
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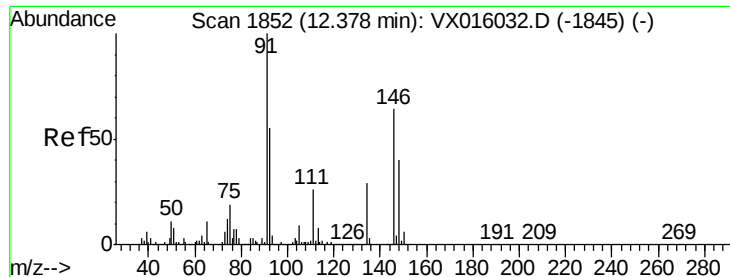
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#90
Hexachloroethane
Concen: 0.597 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.4	39.8	119.3





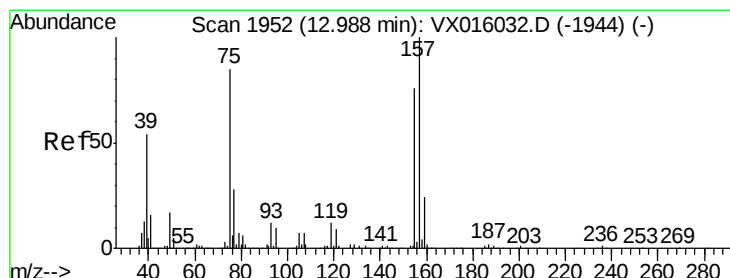
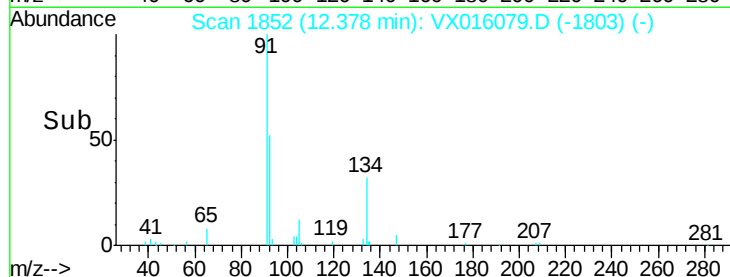
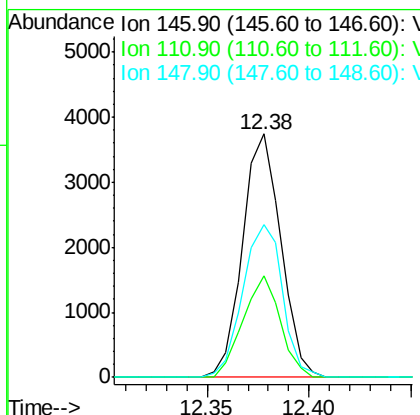
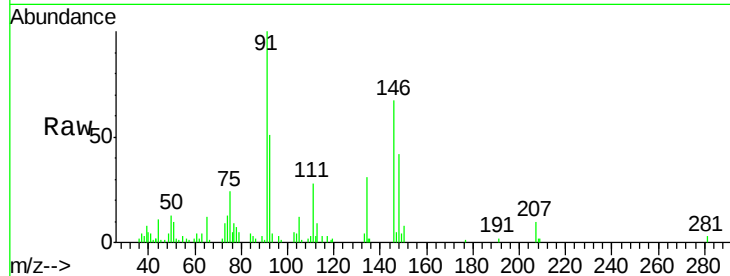
#91
 1,2-Dichlorobenzene
 Concen: 0.725 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016079.D
 Acq: 06 May 2020 13:27

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.1	63.1
148	65.4	32.4	97.0

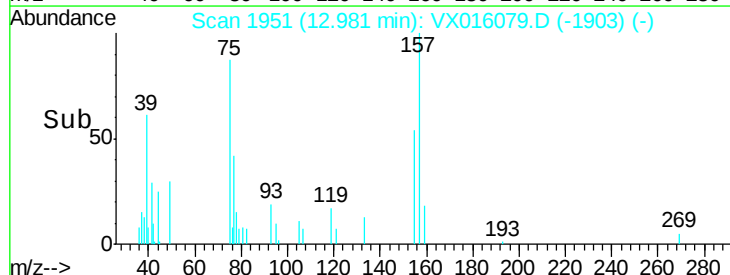
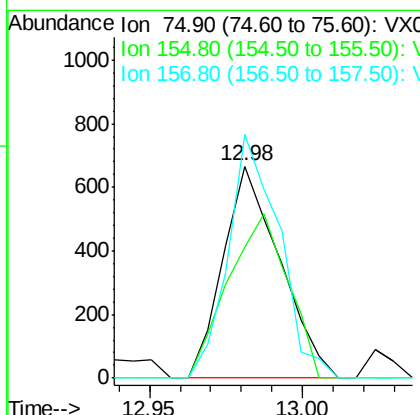
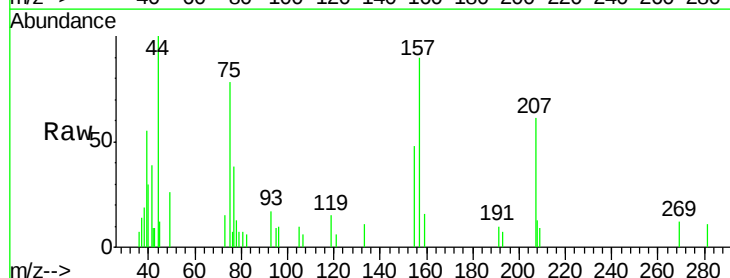
Manual Integrations
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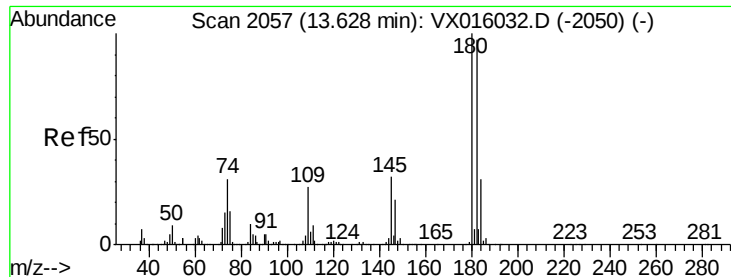
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 5/8/2020 11:54:57 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.693 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.01 min
 Lab File: VX016079.D
 Acq: 06 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.8	42.5	127.5
157	102.6	55.3	165.8





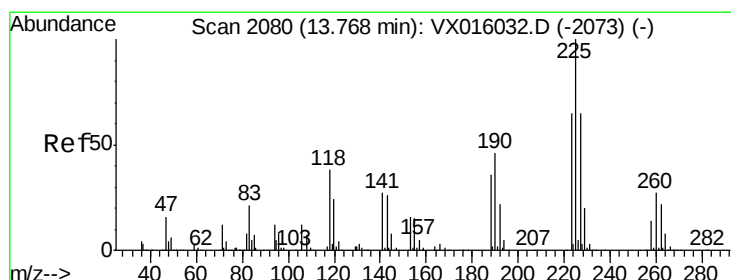
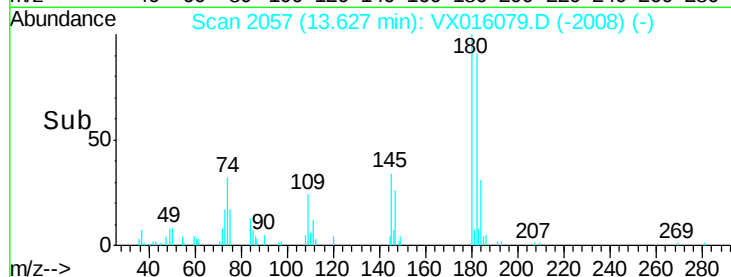
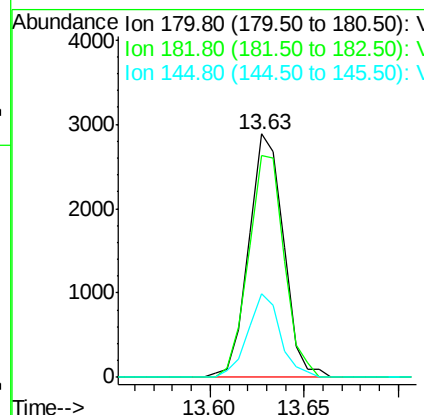
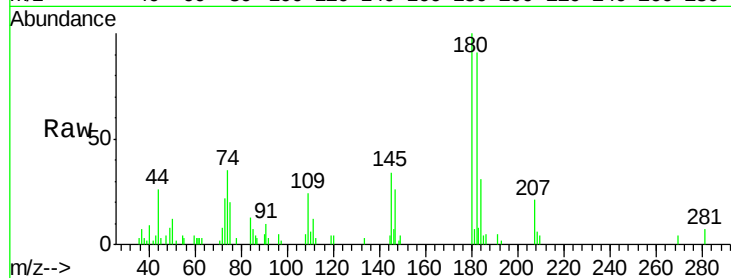
#93
 1,2,4-Trichlorobenzene
 Concen: 0.743 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016079.D
 Acq: 06 May 2020 13:27

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

Tot Ion	Ratio	Resp	Lower	Upper
180	100	3696		
182	93.4		48.7	146.1
145	32.2		15.7	47.1

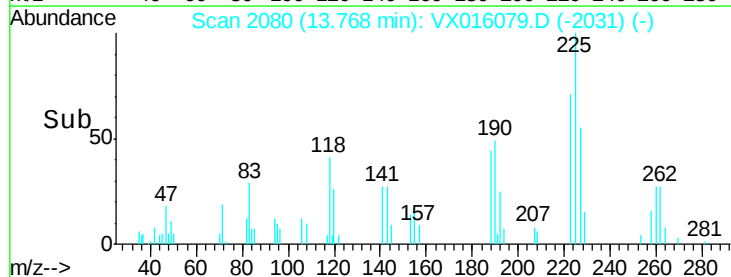
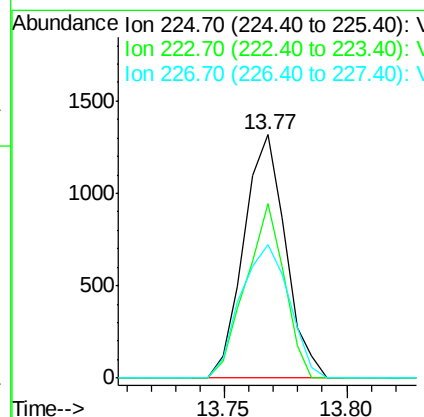
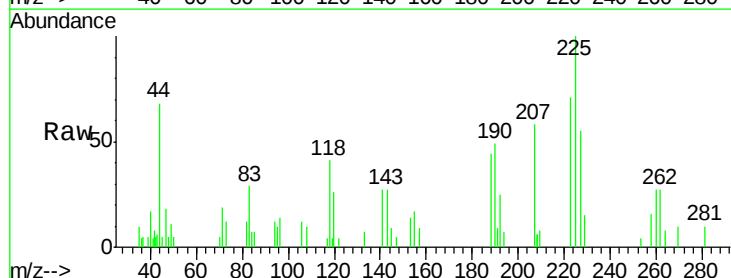
Manual Integrations
 APPROVED

MMDadoda
 5/8/2020 11:54:57 AM



#94
 Hexachlorobutadiene
 Concen: 0.681 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016079.D
 Acq: 06 May 2020 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	1566		
223	65.9		32.3	96.9
227	64.0		31.8	95.4





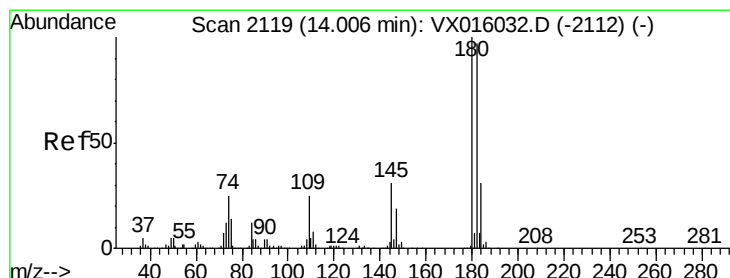
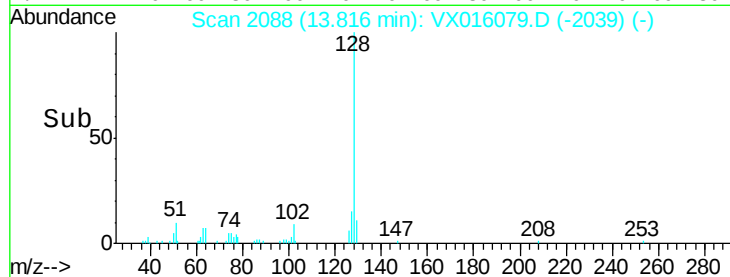
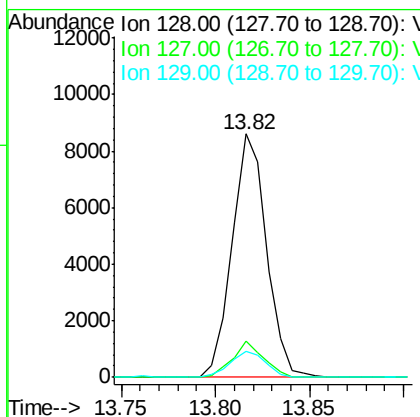
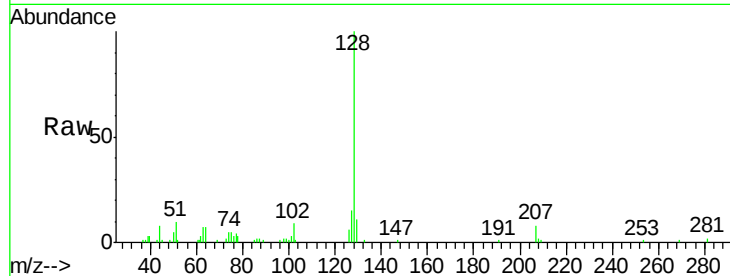
#95
Naphthalene
Concen: 0.677 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

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

Tot Ion:	128	Resp:	10900
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.2	15.4
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/8/2020 11:54:57 AM



#96
1,2,3-Trichlorobenzene
Concen: 0.751 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VX016079.D
Acq: 06 May 2020 13:27

Tgt Ion:	180	Resp:	3650
Ion Ratio	Lower	Upper	
180	100		
182	88.5	48.4	145.0
145	30.1	16.4	49.1

