

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX101519\
 Data File : VX013077.D
 Acq On : 15 Oct 2019 14:54
 Operator : JC/SP
 Sample : K5111-09 2.5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019DL

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 9:57:27 AM

Quant Time: Oct 16 07:20:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 07:02:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	163911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	273419	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	241807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	107092	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	103602	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
35) Dibromofluoromethane	5.49	113	80522	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
50) Toluene-d8	8.71	98	306986	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	11.14	95	112805	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	4543	2.719 ug/l	92
3) Chloromethane	1.32	50	4882	2.685 ug/l	98
4) Vinyl Chloride	1.40	62	4747	2.529 ug/l	98
5) Bromomethane	1.63	94	2780	3.563 ug/l	89
6) Chloroethane	1.71	64	3965	3.589 ug/l	94
7) Trichlorofluoromethane	1.92	101	7439	2.937 ug/l	98
8) Diethyl Ether	2.18	74	2817	2.755 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.37	101	4512	2.752 ug/l	99
10) Methyl Iodide	2.50	142	3699	2.293 ug/l	95
11) Tert butyl alcohol	3.03	59	10432	19.209 ug/l #	92
12) 1,1-Dichloroethene	2.36	96	4508	2.722 ug/l	86
13) Acrolein	2.28	56	3964	10.271 ug/l	88
14) Allyl chloride	2.72	41	7504	2.544 ug/l	99
15) Acrylonitrile	3.14	53	13420	13.039 ug/l	99
16) Acetone	2.43	43	13064	12.098 ug/l	97
17) Carbon Disulfide	2.56	76	10573	2.239 ug/l #	87
18) Methyl Acetate	2.76	43	6848	2.675 ug/l	99
19) Methyl tert-butyl Ether	3.18	73	15451	2.701 ug/l #	89
20) Methylene Chloride	2.85	84	5591	2.817 ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	4825	2.718 ug/l	90
22) Diisopropyl ether	3.84	45	14838	2.625 ug/l #	77
23) Vinyl Acetate	3.80	43	58482	11.985 ug/l	100
24) 1,1-Dichloroethane	3.69	63	8955	2.816 ug/l	98
25) 2-Butanone	4.67	43	18870	12.596 ug/l #	89
26) 2,2-Dichloropropane	4.58	77	6747	2.523 ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	5634	2.753 ug/l	97
28) Bromochloromethane	5.00	49	2633	2.891 ug/l #	96
29) Tetrahydrofuran	5.12	42	12932	14.027 ug/l	98
30) Chloroform	5.20	83	9157	2.806 ug/l	92
31) Cyclohexane	5.58	56	7644	2.571 ug/l #	88
32) 1,1,1-Trichloroethane	5.48	97	7638	2.763 ug/l	95
36) 1,1-Dichloropropene	5.79	75	6310	2.625 ug/l	96
37) Ethyl Acetate	4.83	43	6907	2.570 ug/l #	87
38) Carbon Tetrachloride	5.78	117	6061	2.590 ug/l	99

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MMDadoda
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	7816	2.681	ug/l	93
40) Benzene	6.13	78	19547	2.753	ug/l	100
41) Methacrylonitrile	5.03	41	3836	2.597	ug/l	98
42) 1,2-Dichloroethane	6.18	62	7144	2.804	ug/l	97
43) Isopropyl Acetate	6.43	43	10561	2.448	ug/l #	93
44) Trichloroethene	7.21	130	5257	2.670	ug/l	91
45) 1,2-Dichloropropane	7.51	63	4881	2.697	ug/l	92
46) Dibromomethane	7.65	93	3326	2.759	ug/l	98
47) Bromodichloromethane	7.89	83	6015	2.557	ug/l #	92
48) Methyl methacrylate	7.76	41	5135	2.442	ug/l	98
49) 1,4-Dioxane	7.73	88	2851	56.089	ug/l	92
51) 4-Methyl-2-Pentanone	8.64	43	34547	12.843	ug/l	100
52) Toluene	8.78	92	12492	2.750	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	5768	2.215	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	6656	2.300	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	4734	2.634	ug/l	97
56) Ethyl methacrylate	9.17	69	6982	2.398	ug/l	97
57) 1,3-Dichloropropane	9.37	76	8654	2.783	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	14478	10.964	ug/l	98
59) 2-Hexanone	9.49	43	26144	12.486	ug/l	97
60) Dibromochloromethane	9.58	129	4033	2.290	ug/l	99
61) 1,2-Dibromoethane	9.67	107	4725	2.499	ug/l	96
64) Tetrachloroethene	9.34	164	5241	3.125	ug/l	95
65) Chlorobenzene	10.14	112	13494	2.810	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	4270	2.565	ug/l	99
67) Ethyl Benzene	10.25	91	23158	2.715	ug/l	97
68) m/p-Xylenes	10.35	106	17407	5.463	ug/l	98
69) o-Xylene	10.70	106	8036	2.586	ug/l	92
70) Styrene	10.71	104	12938	2.449	ug/l	97
71) Bromoform	10.85	173	2554	2.128	ug/l #	97
73) Isopropylbenzene	11.01	105	20936	2.659	ug/l	97
74) N-amyl acetate	10.89	43	7517	2.217	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	7306	2.790	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	6738m	2.837	ug/l	
77) Bromobenzene	11.25	156	5782	3.116	ug/l	93
78) n-propylbenzene	11.35	91	22669	2.616	ug/l	99
79) 2-Chlorotoluene	11.42	91	15747	2.892	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	18140	2.759	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	1494m	1.780	ug/l	
82) 4-Chlorotoluene	11.51	91	16420	2.631	ug/l	94
83) tert-Butylbenzene	11.77	119	16752	2.612	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	17674	2.654	ug/l	96
85) sec-Butylbenzene	11.94	105	19797	2.664	ug/l	98
86) p-Isopropyltoluene	12.06	119	17388	2.523	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	9286	2.695	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	9335	2.675	ug/l	84
89) n-Butylbenzene	12.39	91	13830	2.388	ug/l	97
90) Hexachloroethane	12.59	117	2617	2.344	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	9489	2.809	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.99	75	1535	2.501	ug/l	91

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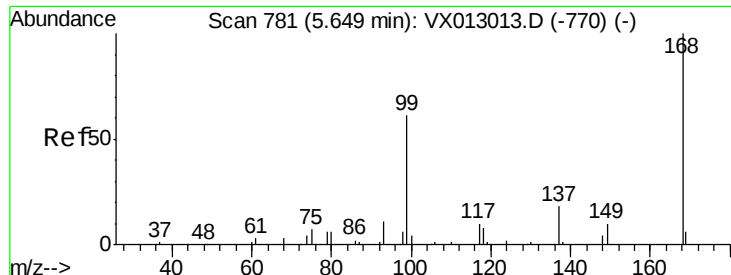
Manual Integrations
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10/16/2019 9:57:27 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	5237	2.475	ug/l	91
94) Hexachlorobutadiene	13.78	225	2542	2.603	ug/l	98
95) Naphthalene	13.83	128	16251	2.216	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	5158	2.359	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

Tot Ion:168 Resp: 163911

Ion Ratio Lower Upper

168 100

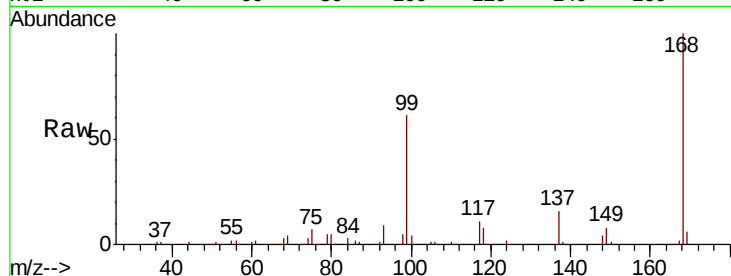
99 61.0 49.4 74.0

Manual Integrations

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10/16/2019 9:57:27 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

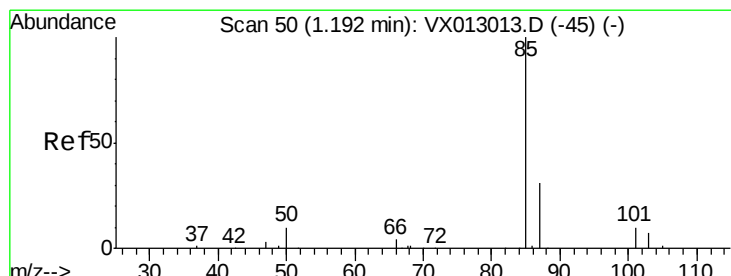
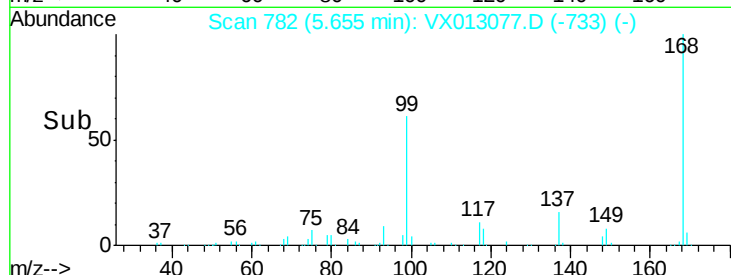
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.719 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX013077.D

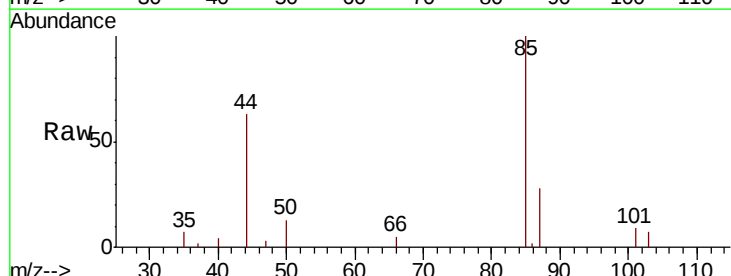
Acq: 15 Oct 2019 14:54

Tgt Ion: 85 Resp: 4543

Ion Ratio Lower Upper

85 100

87 28.3 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

5000

4000

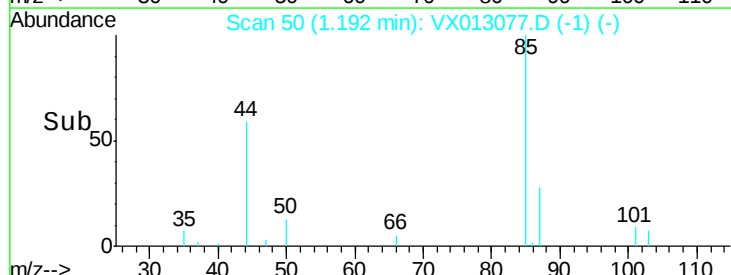
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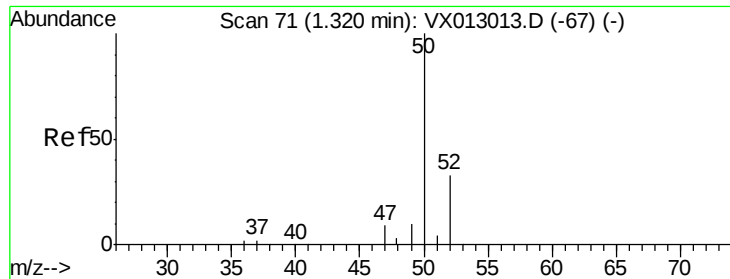
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1000

0

Time-->





#3

Chloromethane

Concen: 2.685 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 50 Resp: 4882

Ion Ratio Lower Upper

50 100

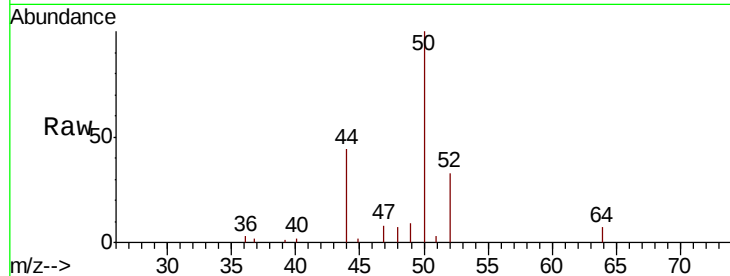
52 32.6 25.2 37.8

Manual Integrations

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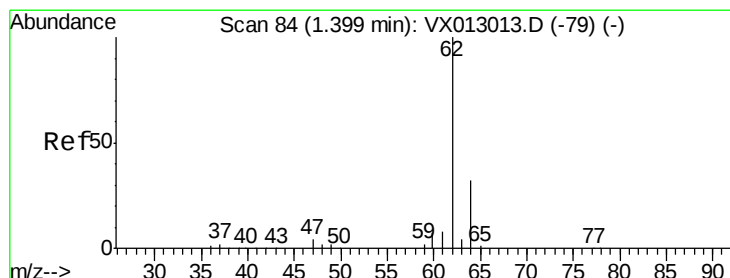
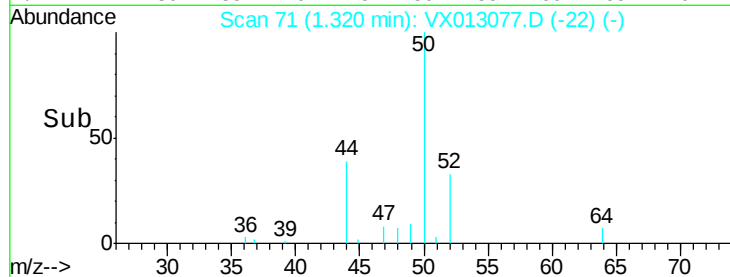
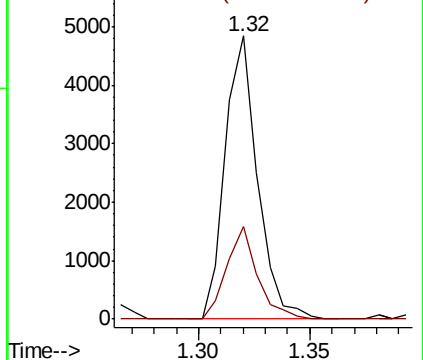
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 2.529 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013077.D

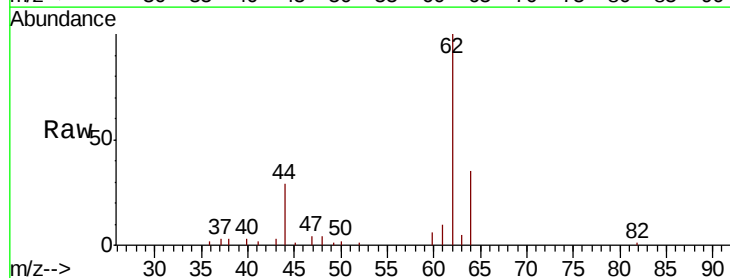
Acq: 15 Oct 2019 14:54

Tgt Ion: 62 Resp: 4747

Ion Ratio Lower Upper

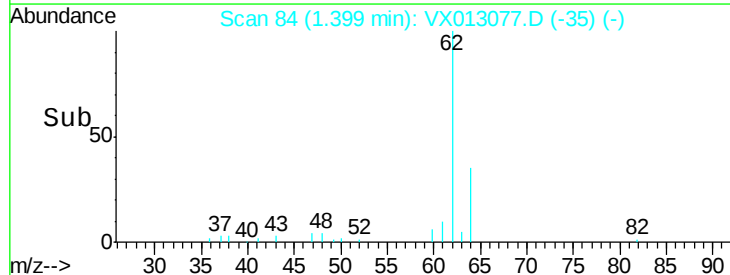
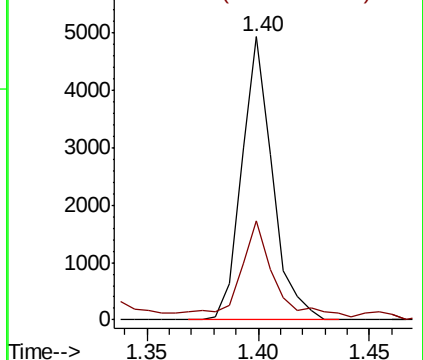
62 100

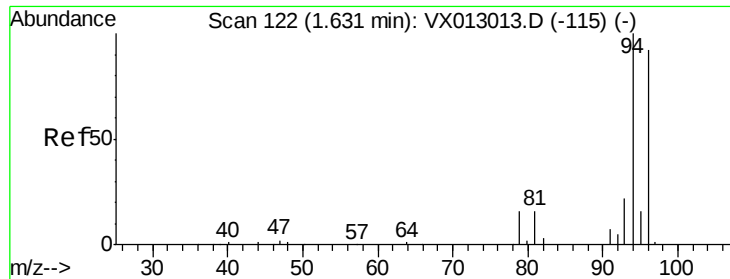
64 32.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 3.563 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 94 Resp: 2780

Ion Ratio Lower Upper

94 100

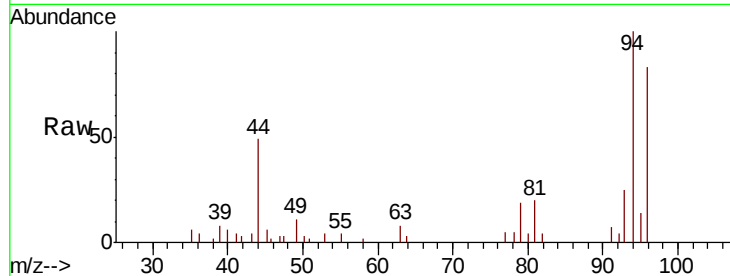
96 82.9 74.7 112.1

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

2500

2000

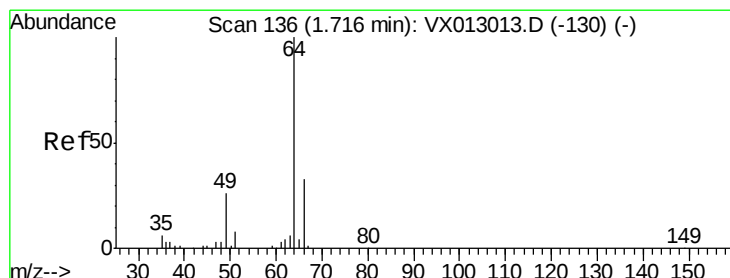
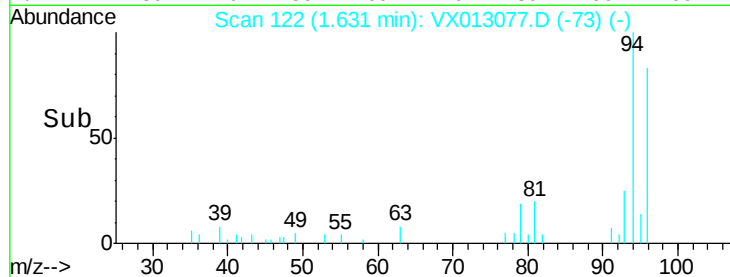
1500

1000

500

0

Time-->



#6

Chloroethane

Concen: 3.589 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013077.D

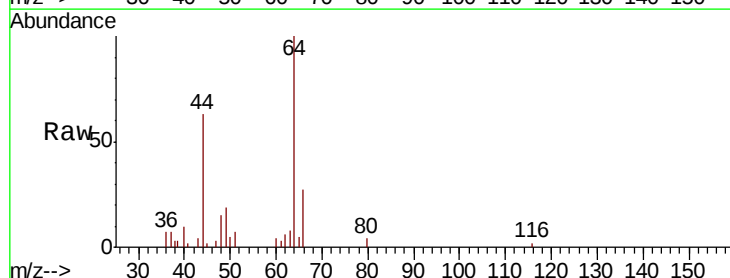
Acq: 15 Oct 2019 14:54

Tgt Ion: 64 Resp: 3965

Ion Ratio Lower Upper

64 100

66 28.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

2500

2000

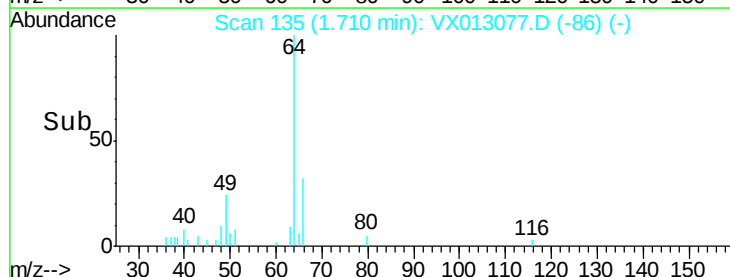
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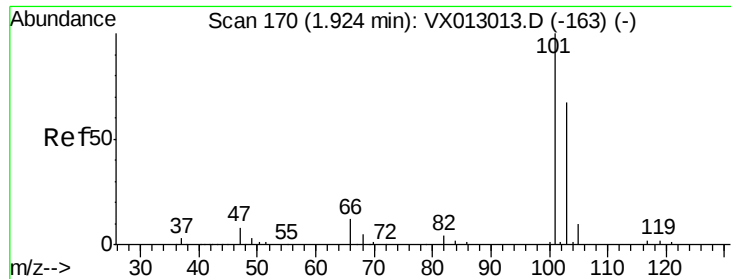
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500

0

Time-->





#7

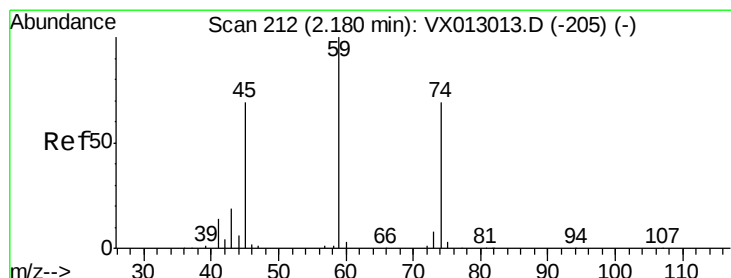
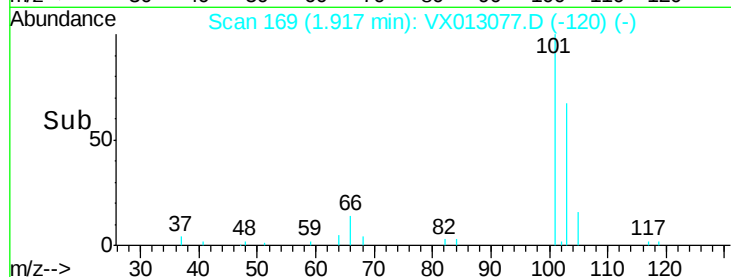
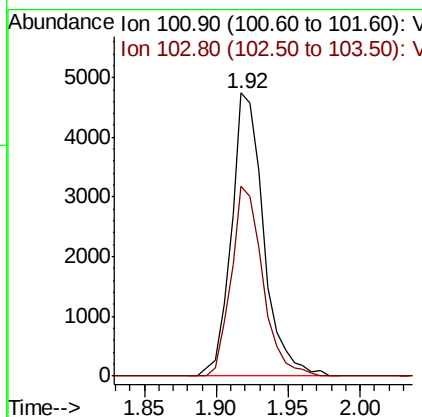
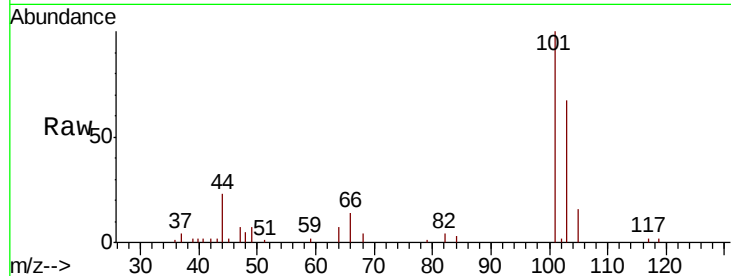
Trichlorofluoromethane
Concen: 2.937 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Instrument :
MSVOA_X
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MDL-MDL-WATER-03-QT4-2019DL

Tot Ion:101 Resp: 7439
Ion Ratio Lower Upper
101 100
103 67.2 52.5 78.7

Manual Integrations
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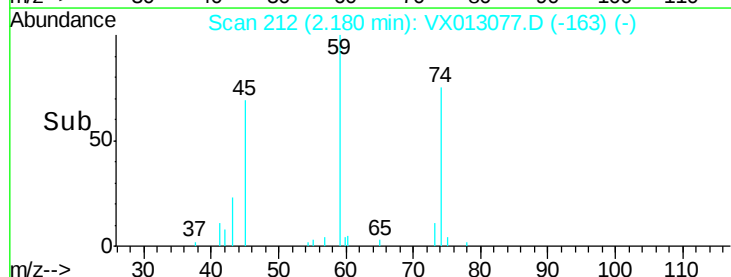
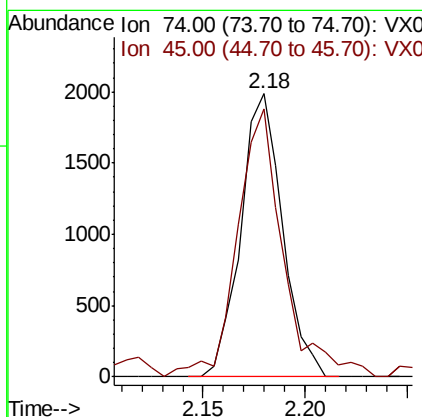
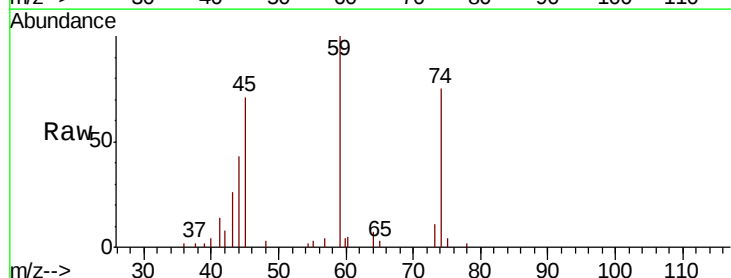
MMDadoda
10/16/2019 9:57:27 AM

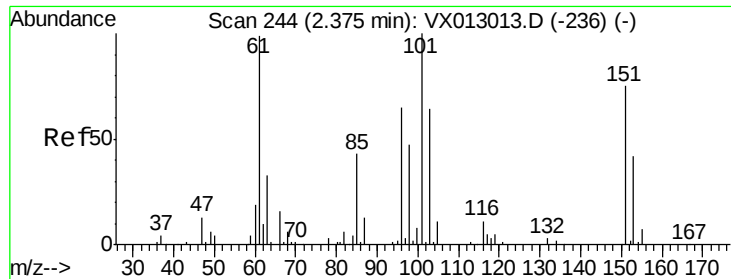


#8

Diethyl Ether
Concen: 2.755 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Tgt Ion: 74 Resp: 2817
Ion Ratio Lower Upper
74 100
45 104.2 47.8 143.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.752 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Instrument :

MSVOA_X

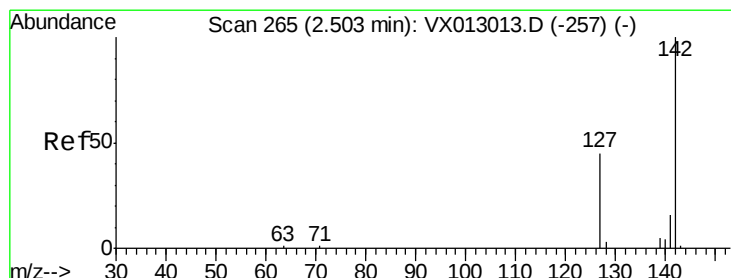
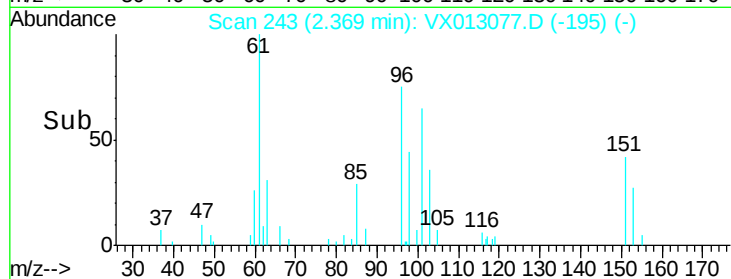
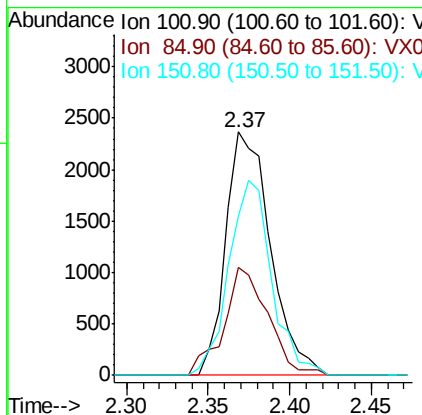
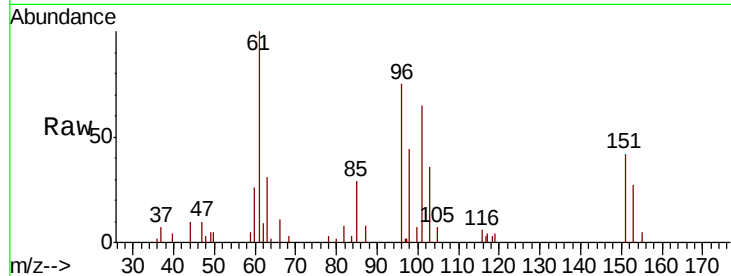
ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

Tot Ion:	101	Resp:	4512
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.2	52.8
151	76.8	60.3	90.5

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#10

Methyl Iodide

Concen: 2.293 ug/l

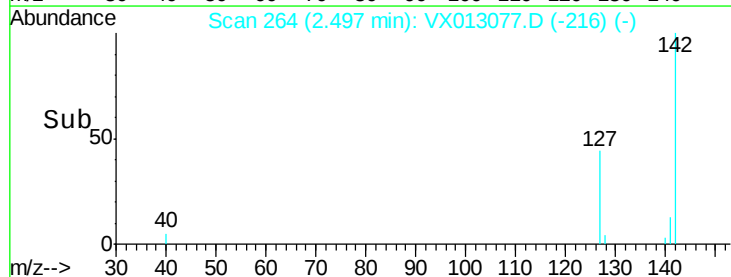
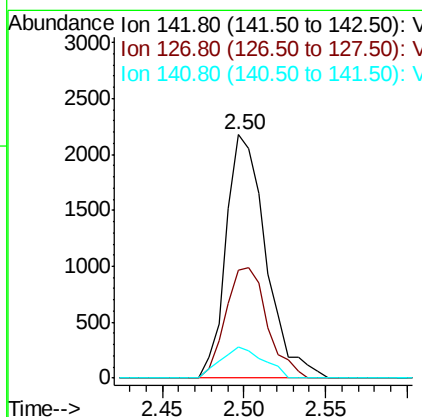
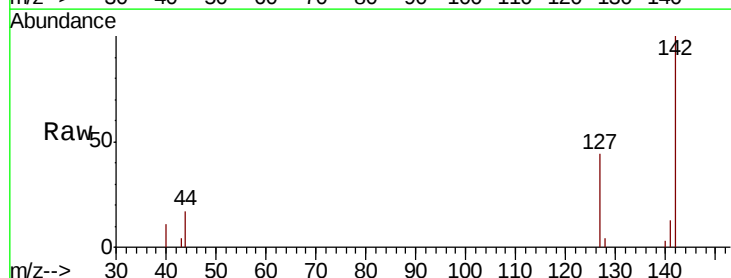
RT: 2.50 min Scan# 264

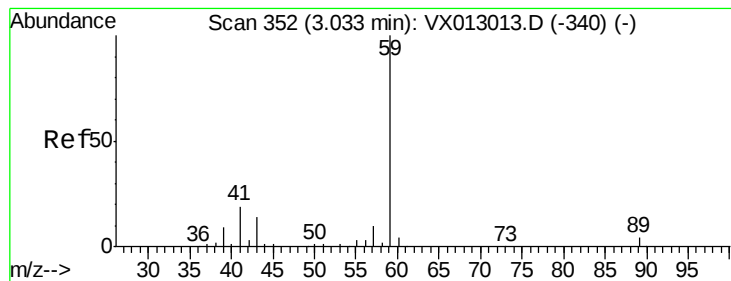
Delta R.T. -0.01 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Tgt Ion:	142	Resp:	3699
Ion Ratio	Lower	Upper	
142	100		
127	47.3	34.9	52.3
141	13.9	11.6	17.4





#11

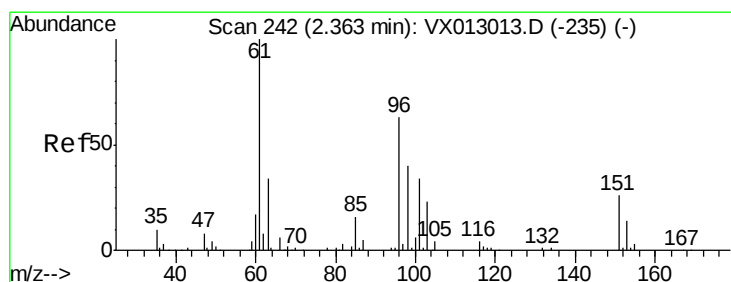
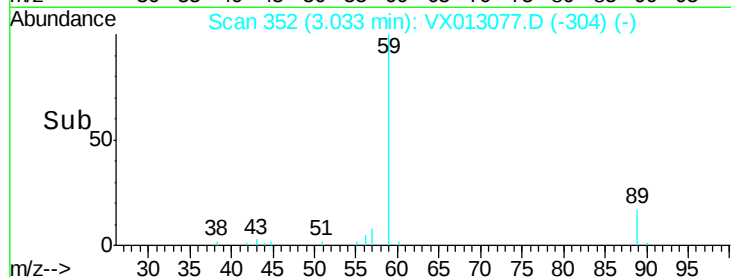
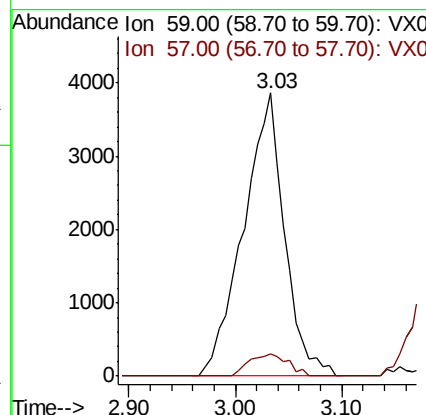
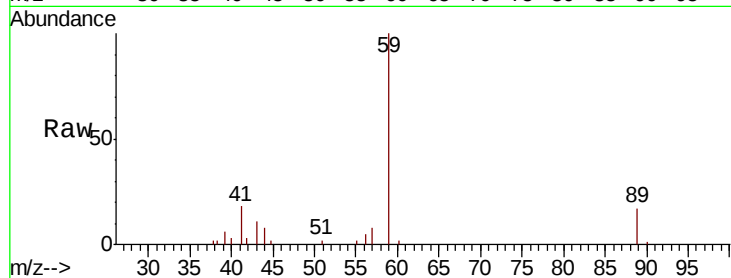
Tert butyl alcohol
 Concen: 19.209 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX013077.D
 Acq: 15 Oct 2019 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019DL

Tot Ion	59	57	Ratio	100	7.5	Resp	10432	Lower	Upper
Ion	59	57	Ratio	100	7.5	Resp	10432	Lower	Upper
								8.3	12.5#

Manual Integrations
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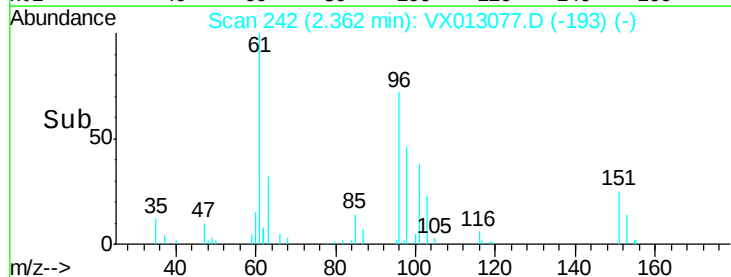
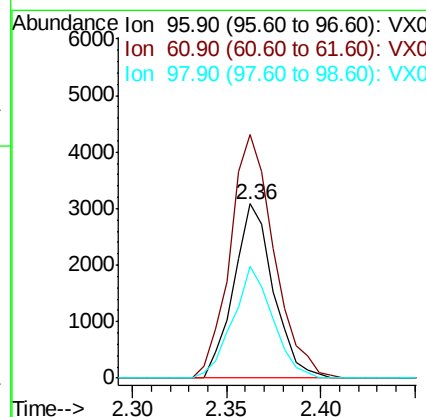
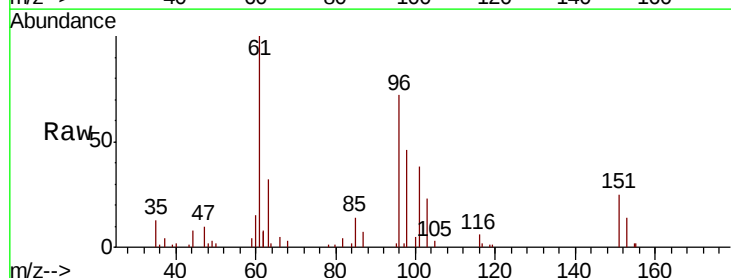
MMDadoda
 10/16/2019 9:57:27 AM

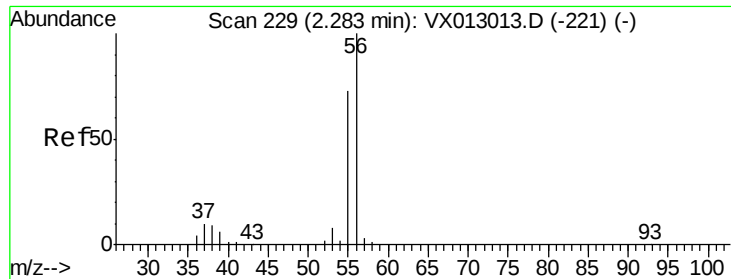


#12

1,1-Dichloroethene
 Concen: 2.722 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VX013077.D
 Acq: 15 Oct 2019 14:54

Tgt Ion	96	61	98	Ratio	100	139.7	64.4	Resp	4508	Lower	Upper
Ion	96	61	98	Ratio	100	139.7	64.4	Resp	4508	Lower	Upper
										132.2	198.4
										50.5	75.7





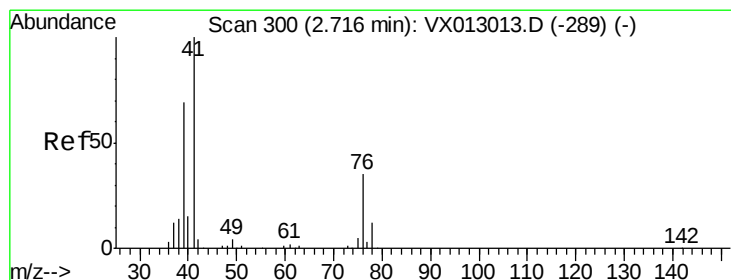
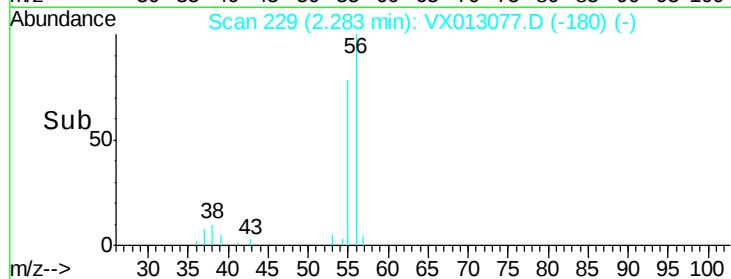
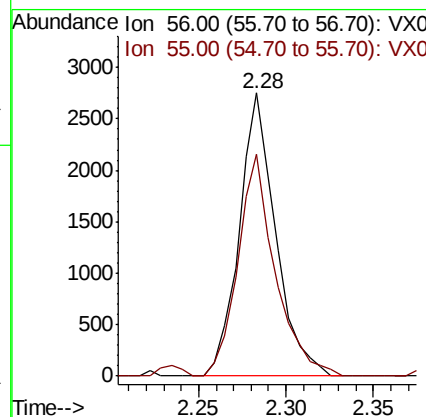
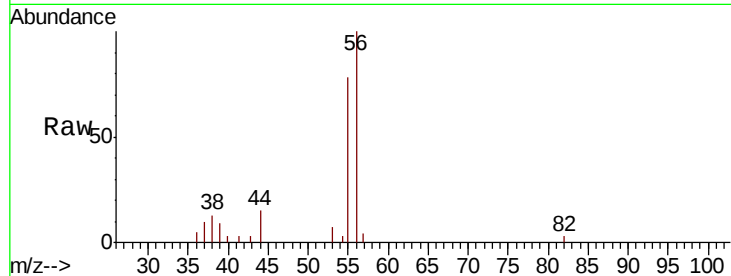
#13
Acrolein
Concen: 10.271 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion	56	55	Ratio	100	80.5	Resp	3964	Lower	56.6	Upper	85.0
Ion											

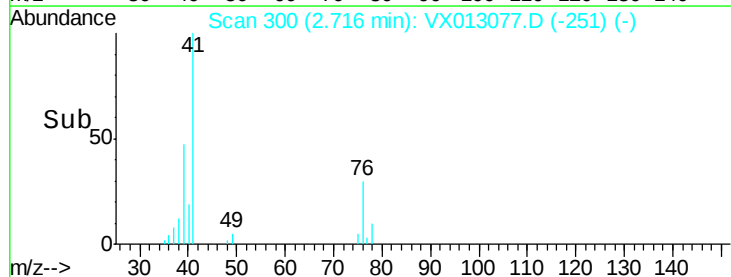
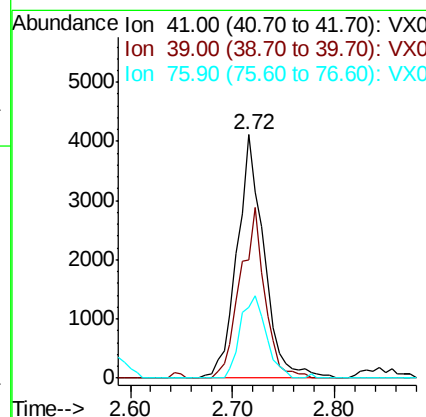
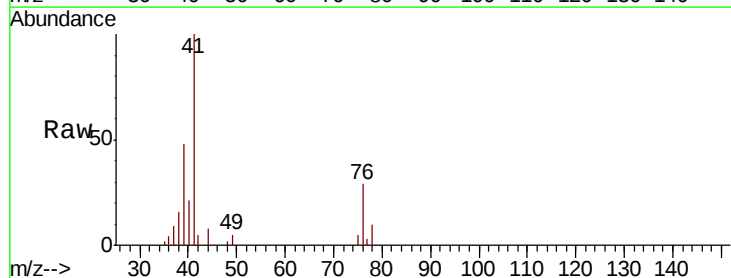
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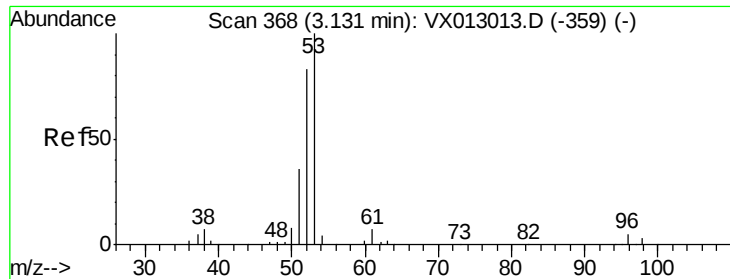
MMDadoda
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#14
Allyl chloride
Concen: 2.544 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Tgt Ion	41	39	76	Ratio	100	64.2	32.1	Resp	7504	Lower	51.0	Upper	76.6	39.4
Ion														





#15

Acrylonitrile

Concen: 13.039 ug/l

RT: 3.14 min Scan# 369

Delta R.T. -0.00 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Instrument :

MSVOA_X

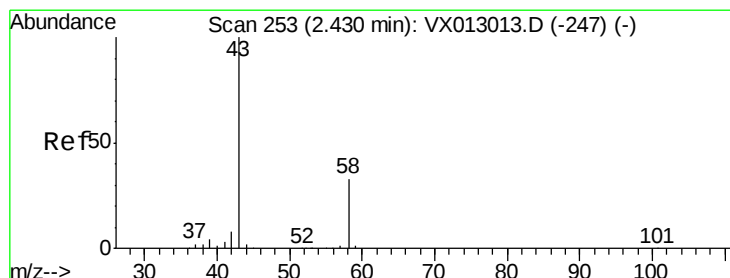
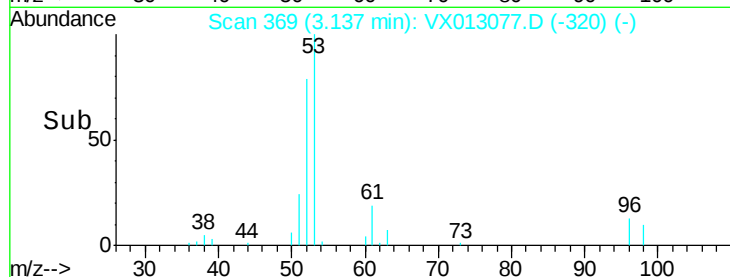
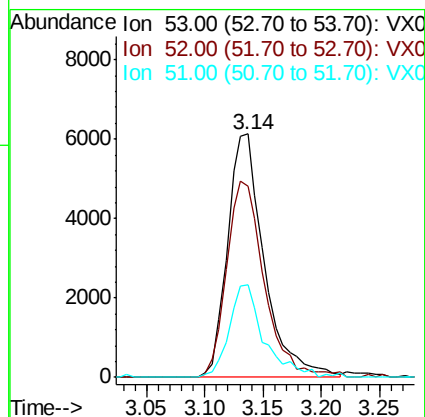
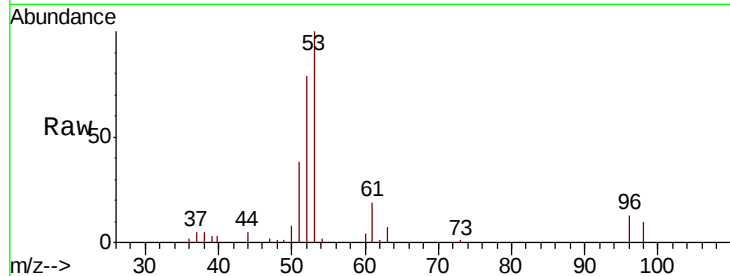
ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

Tot Ion:	53	Resp:	13420
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.2	99.2
51	36.3	28.2	42.4

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#16

Acetone

Concen: 12.098 ug/l

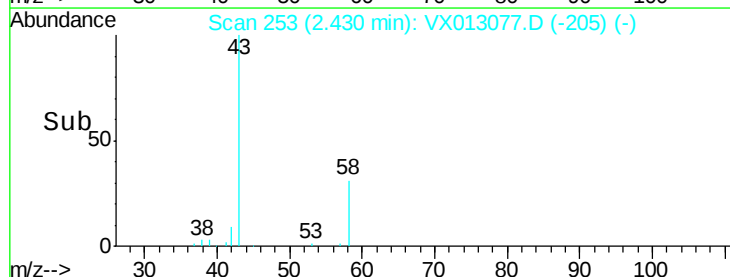
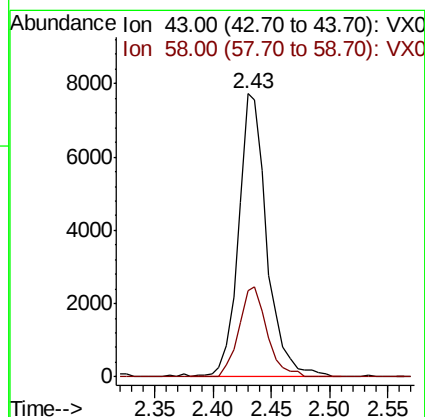
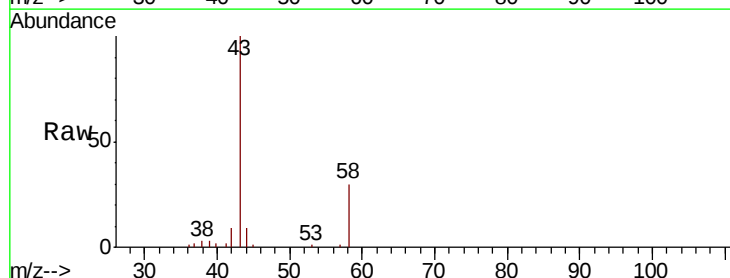
RT: 2.43 min Scan# 253

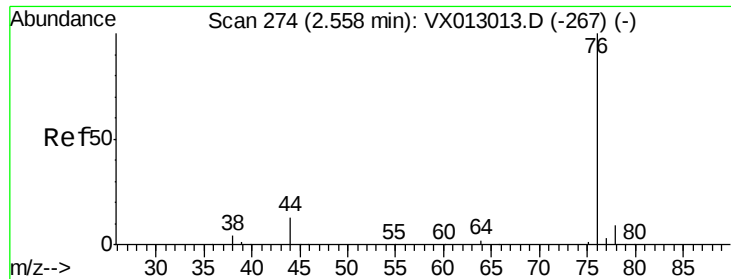
Delta R.T. -0.01 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Tgt Ion:	43	Resp:	13064
Ion	Ratio	Lower	Upper
43	100		
58	30.3	25.4	38.2





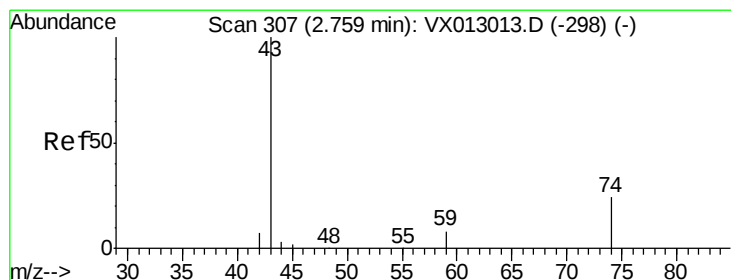
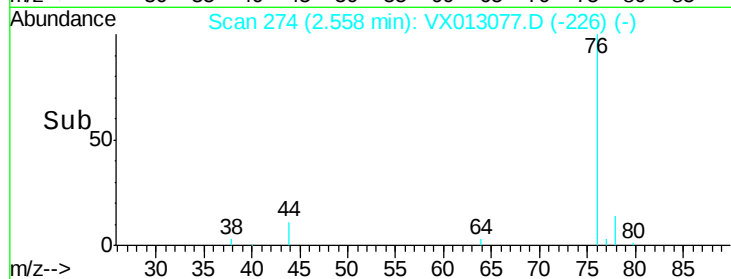
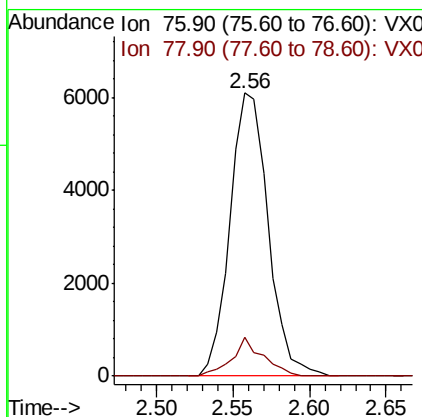
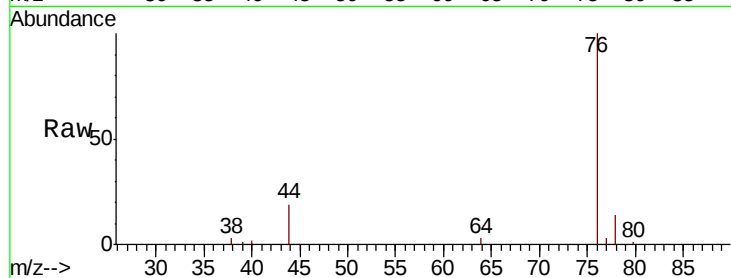
#17
Carbon Disulfide
Concen: 2.239 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.01 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 76 Resp: 10573
Ion Ratio Lower Upper
76 100
78 13.7 7.1 10.7#

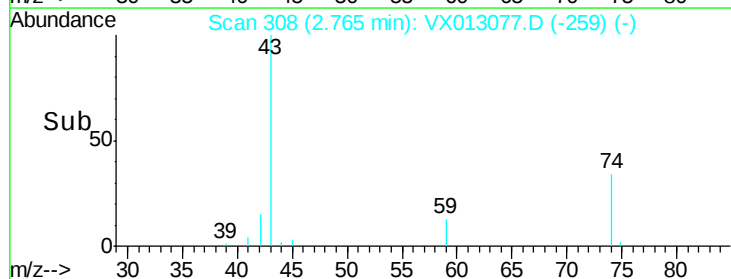
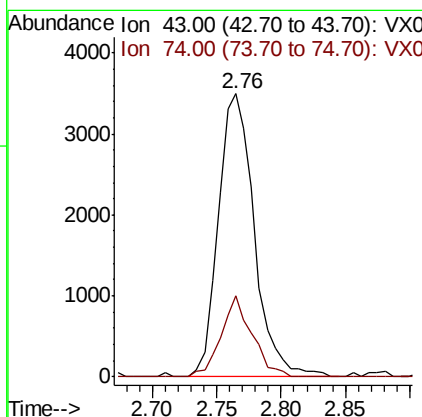
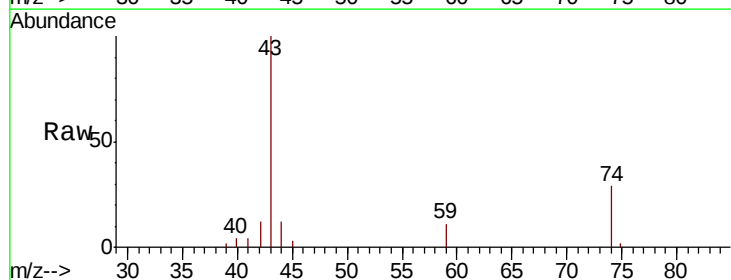
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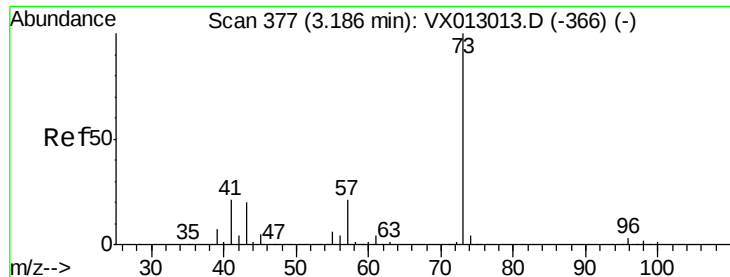
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#18
Methyl Acetate
Concen: 2.675 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Tgt Ion: 43 Resp: 6848
Ion Ratio Lower Upper
43 100
74 24.7 19.2 28.8





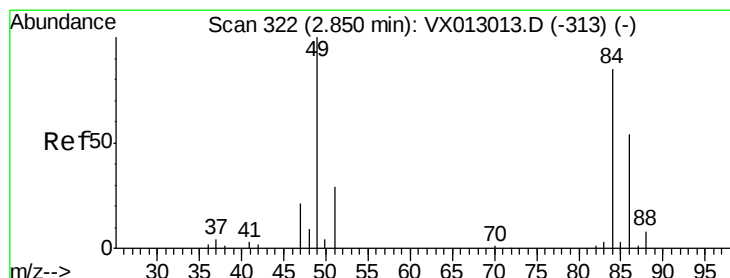
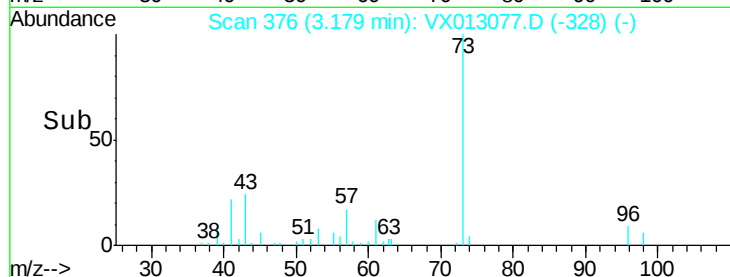
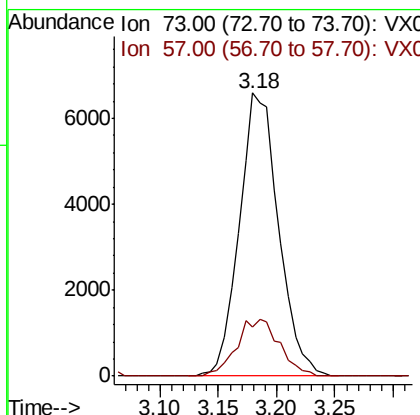
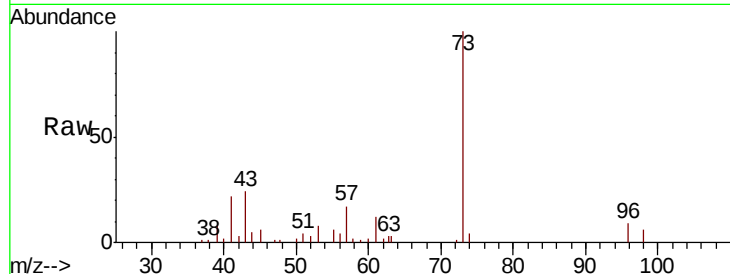
#19
Methvl tert-butvl Ether
Concen: 2.701 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 73 Resp: 15451
Ion Ratio Lower Upper
73 100
57 17.1 17.8 26.6#

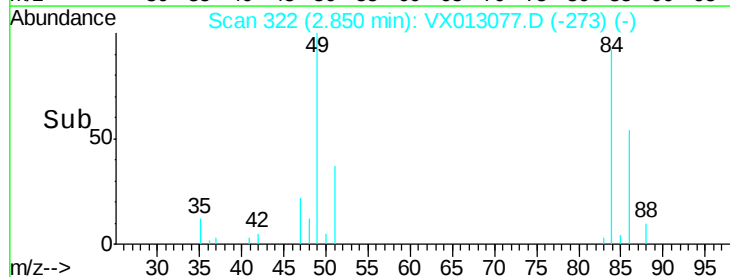
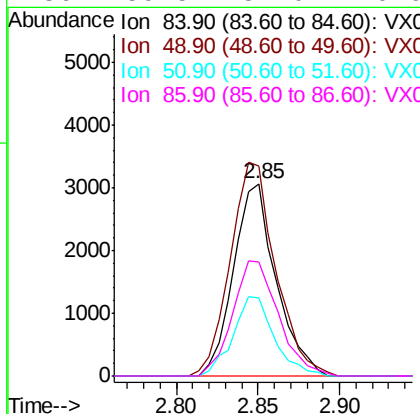
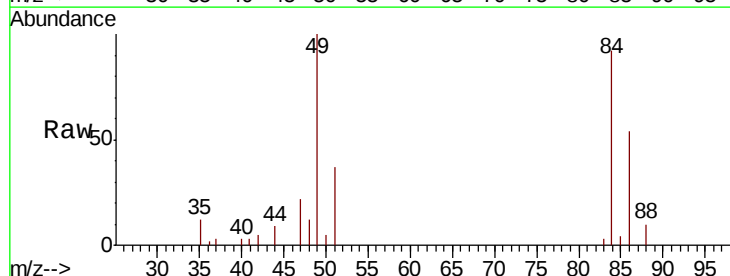
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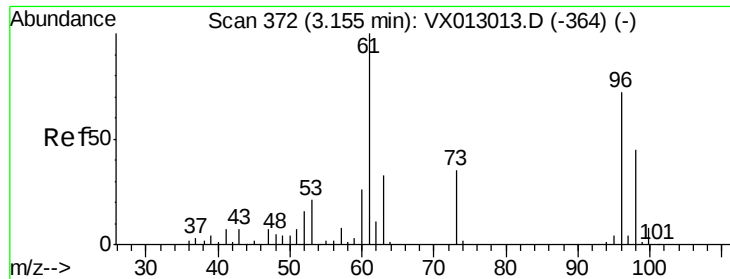
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#20
Methylene Chloride
Concen: 2.817 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Tgt Ion: 84 Resp: 5591
Ion Ratio Lower Upper
84 100
49 109.2 96.6 144.8
51 40.6 30.7 46.1
86 59.5 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 2.718 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Instrument :

MSVOA_X

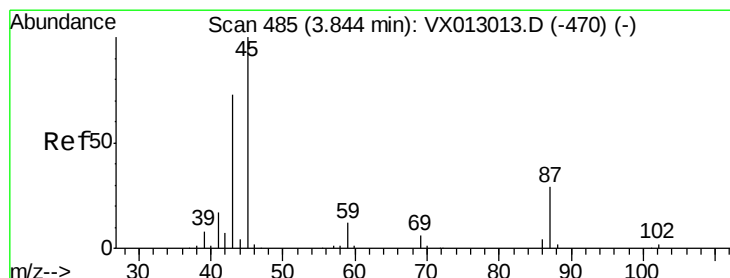
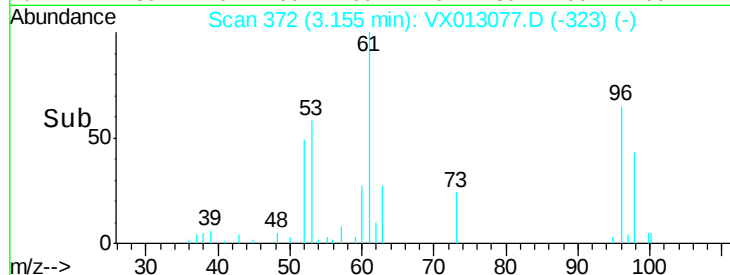
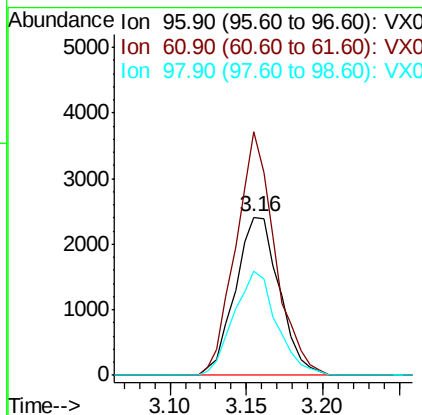
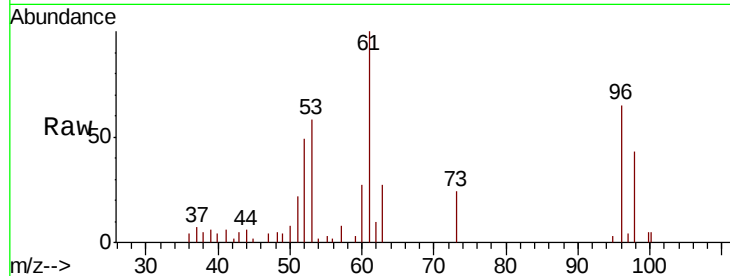
ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

Tot Ion:	96	Resp:	4825
Ion	Ratio	Lower	Upper
96	100		
61	153.9	110.4	165.6
98	66.0	51.5	77.3

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#22

Diisopropyl ether

Concen: 2.625 ug/l

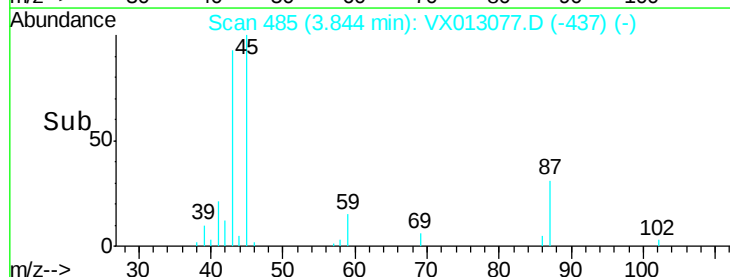
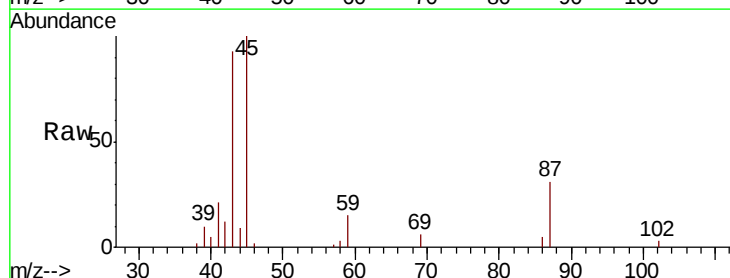
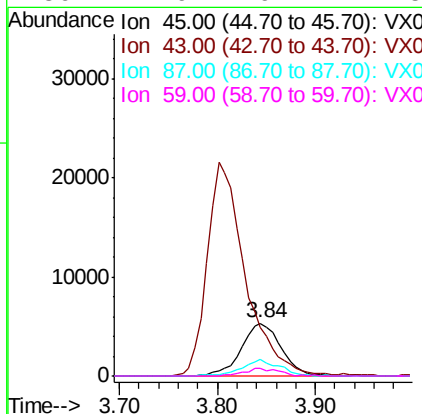
RT: 3.84 min Scan# 485

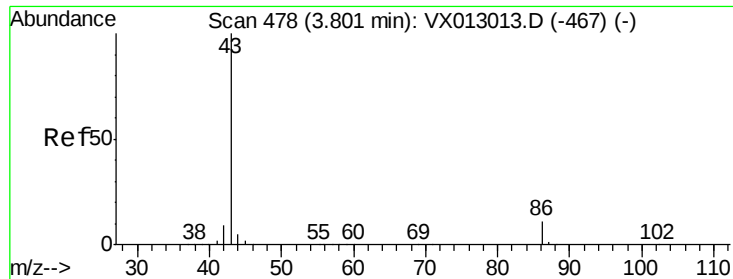
Delta R.T. -0.01 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Tgt Ion:	45	Resp:	14838
Ion	Ratio	Lower	Upper
45	100		
43	90.2	51.4	77.0#
87	31.4	22.5	33.7
59	14.9	9.7	14.5#





#23

Vinyl Acetate

Concen: 11.985 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 43 Resp: 58482

Ion Ratio Lower Upper

43 100

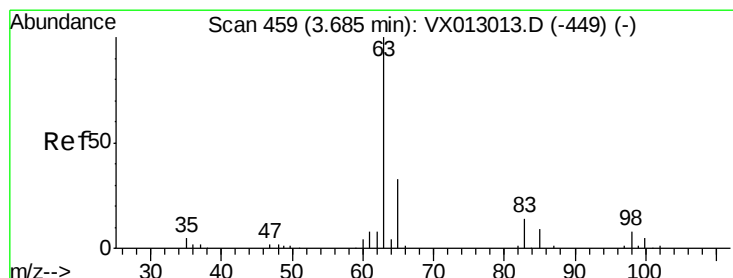
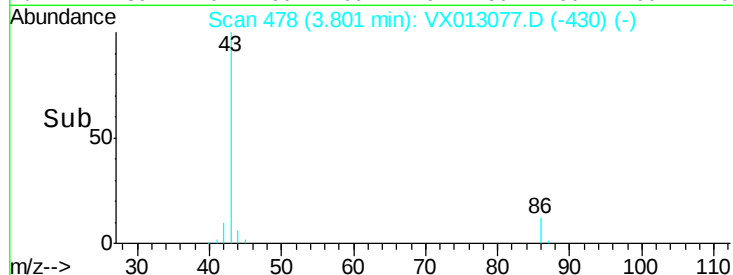
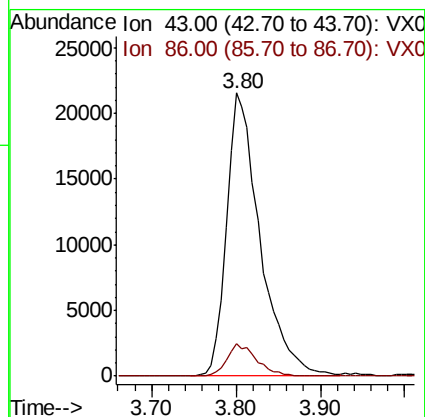
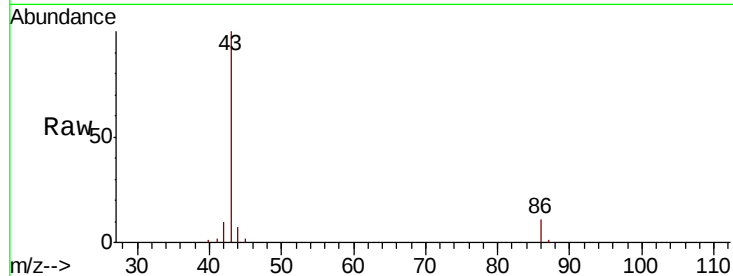
86 11.5 9.0 13.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 2.816 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

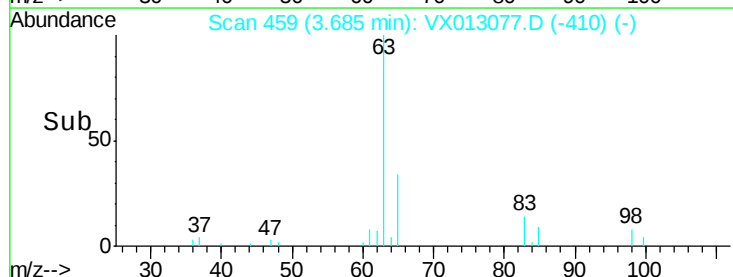
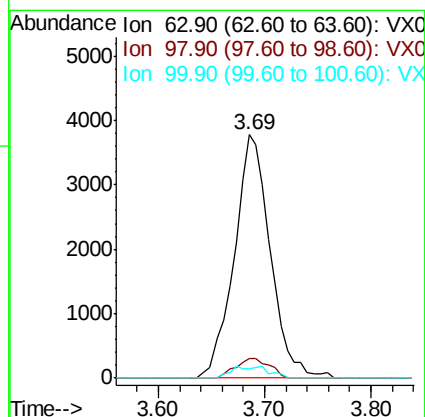
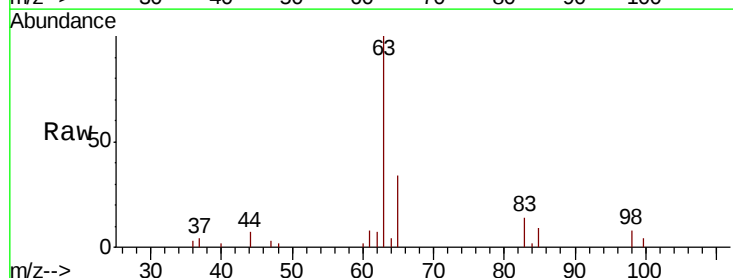
Tgt Ion: 63 Resp: 8955

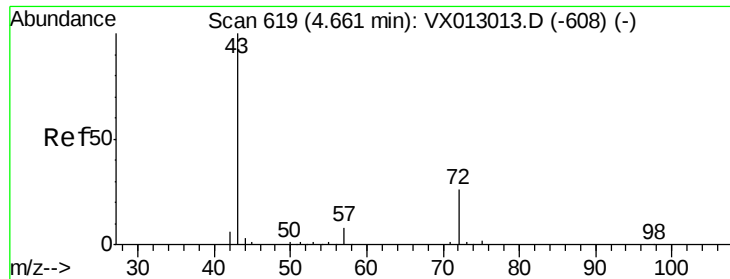
Ion Ratio Lower Upper

63 100

98 8.0 3.9 11.5

100 3.7 2.3 6.9





#25

2-Butanone

Concen: 12.596 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 43 Resp: 18870

Ion Ratio Lower Upper

43 100

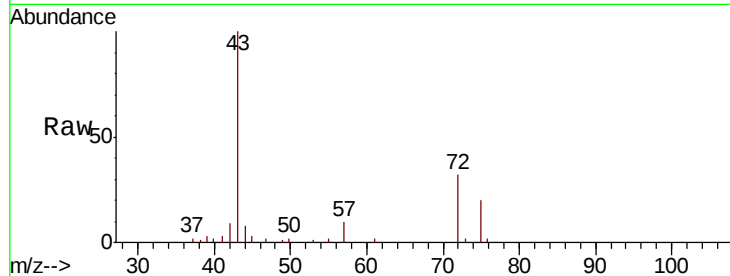
72 32.2 21.0 31.6#

Manual Integrations

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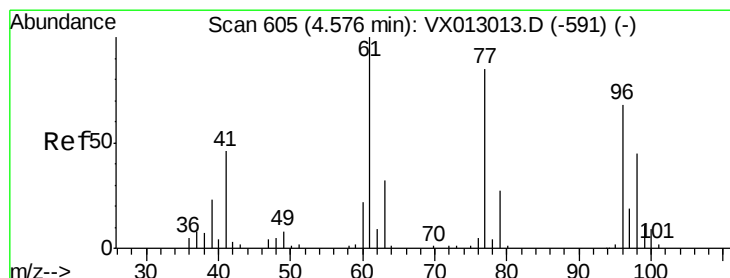
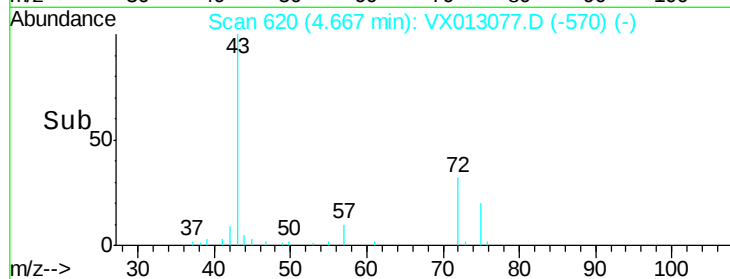
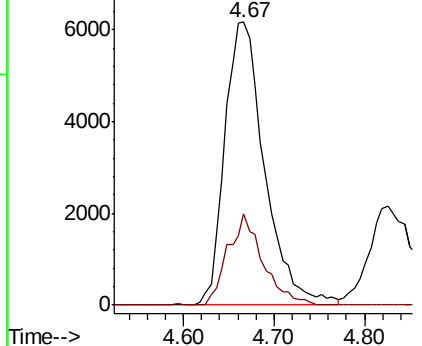
MMDadoda

10/16/2019 9:57:27 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 2.523 ug/l

RT: 4.58 min Scan# 605

Delta R.T. -0.00 min

Lab File: VX013077.D

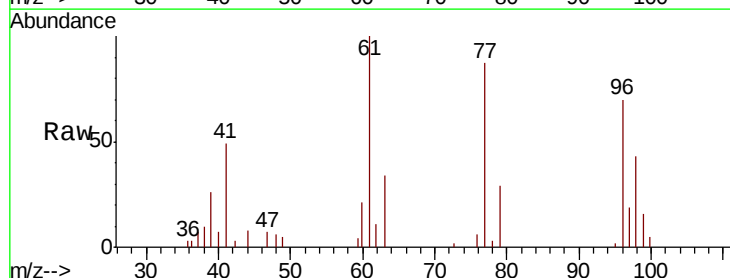
Acq: 15 Oct 2019 14:54

Tgt Ion: 77 Resp: 6747

Ion Ratio Lower Upper

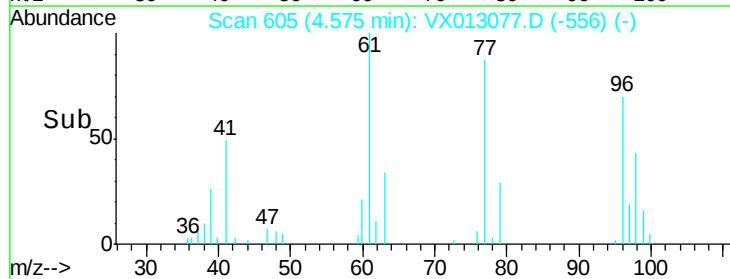
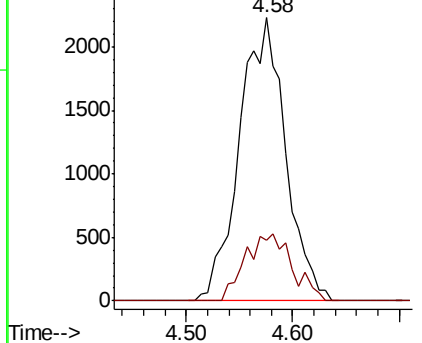
77 100

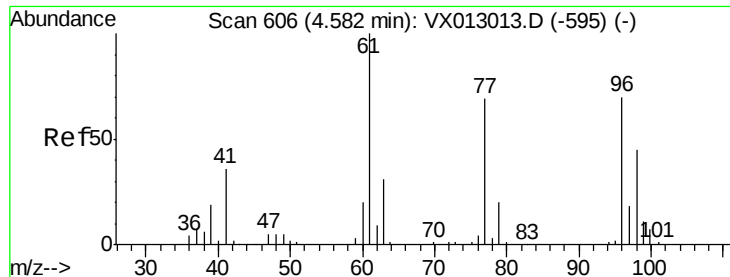
97 23.9 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

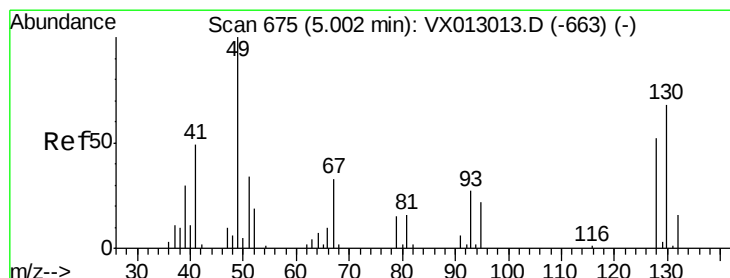
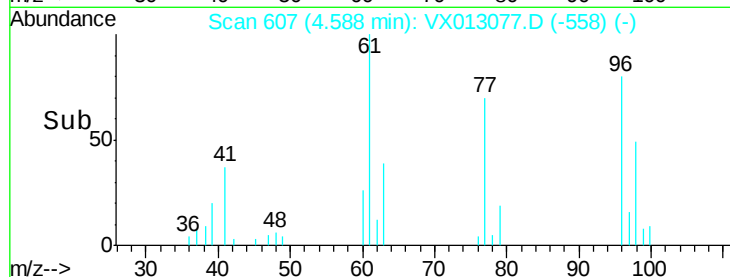
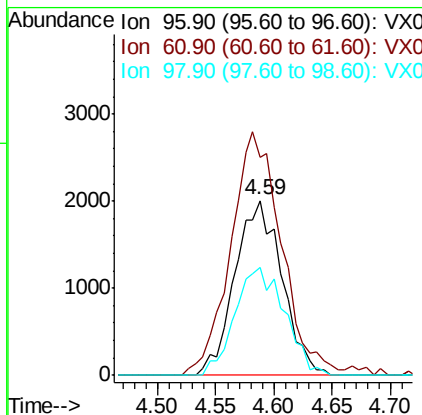
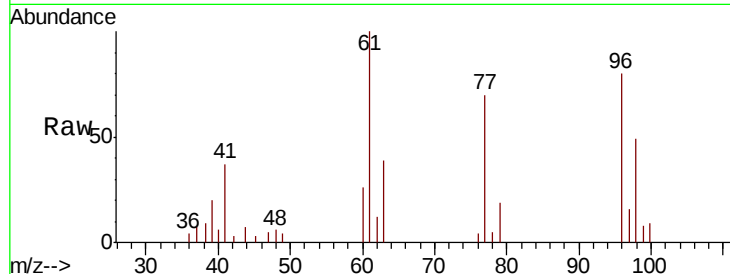
cis-1,2-Dichloroethene
Concen: 2.753 ug/l
RT: 4.59 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.2	0.0	290.6
98	65.3	0.0	128.8

Manual Integrations
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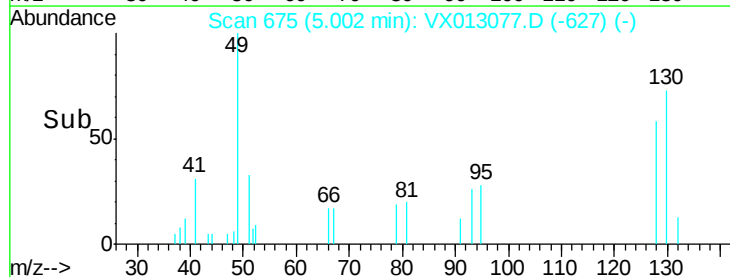
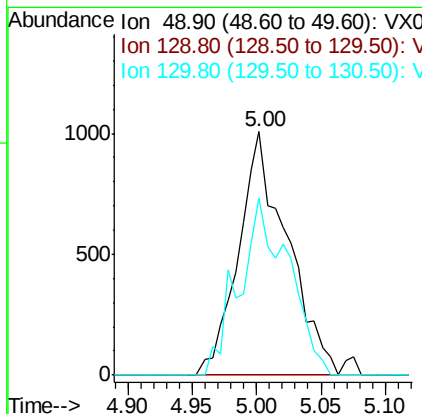
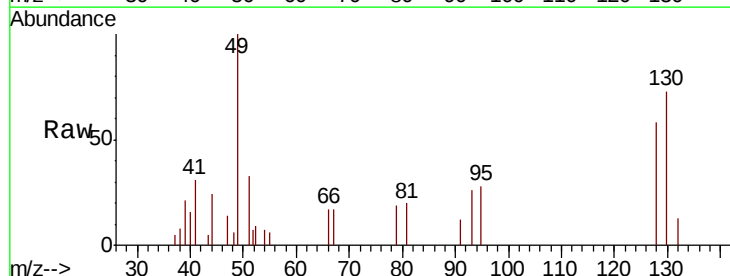
MMDadoda
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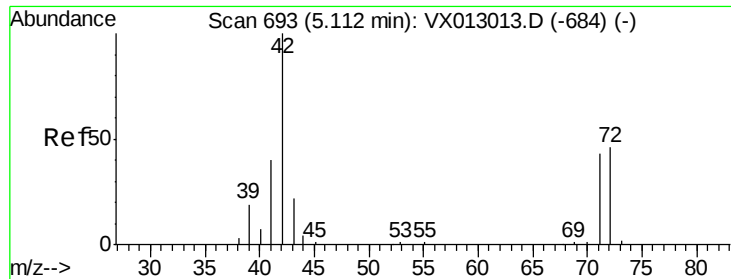


#28

Bromochloromethane
Concen: 2.891 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	74.3	62.1	93.1





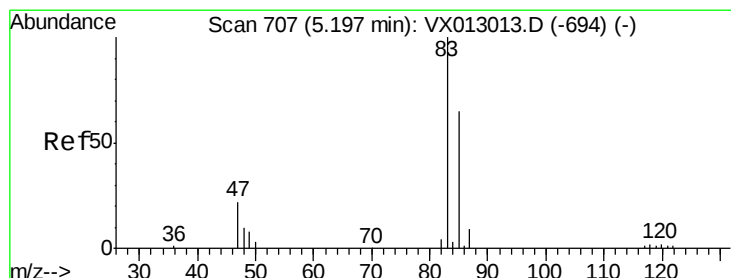
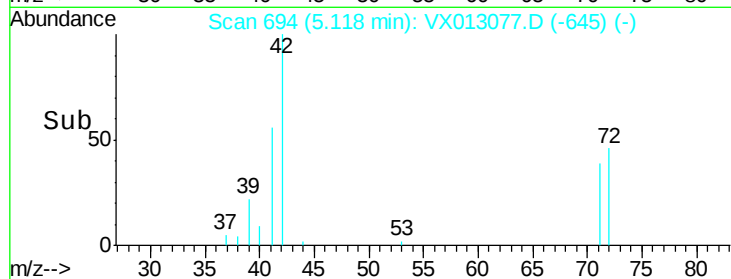
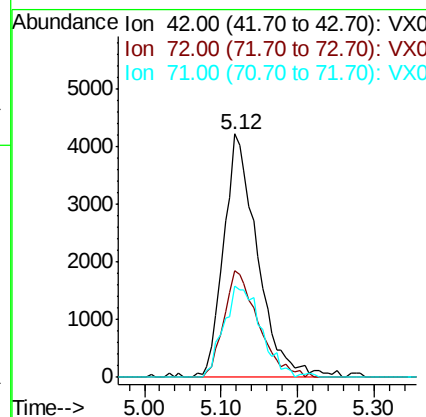
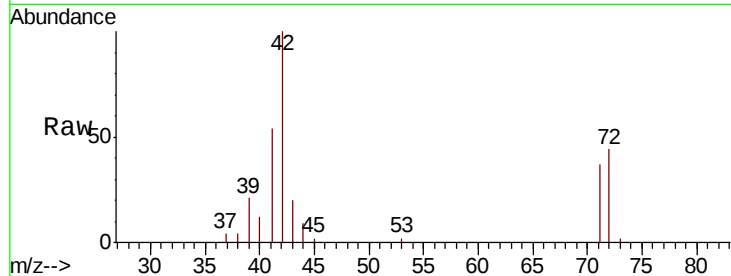
#29
Tetrahydrofuran
Concen: 14.027 ug/l
RT: 5.12 min Scan# 694
Delta R.T. -0.00 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	36.9	55.3
71	40.8	33.5	50.3

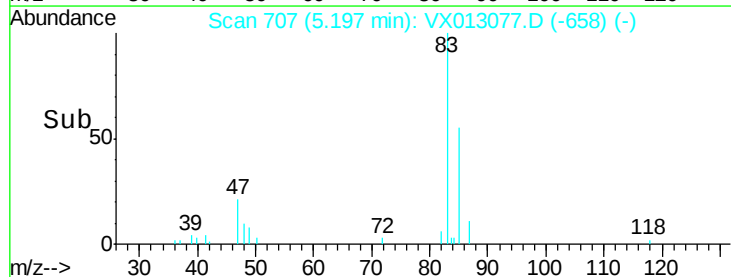
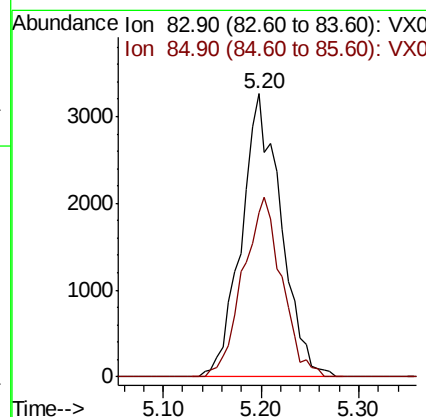
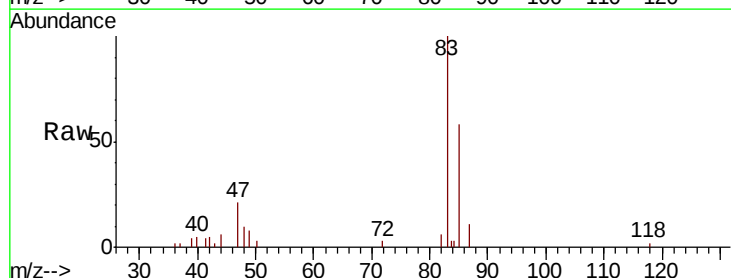
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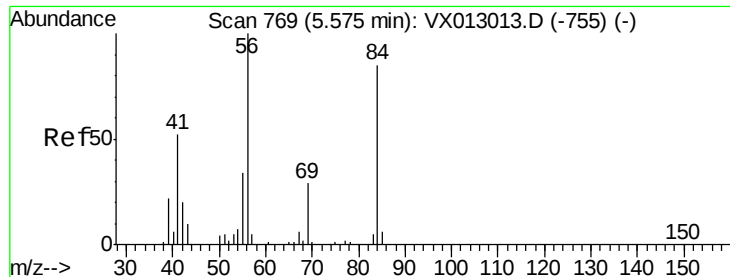
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#30
Chloroform
Concen: 2.806 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.2	51.5	77.3





#31

Cyclohexane

Concen: 2.571 ug/l

RT: 5.58 min Scan# 769

Delta R.T. 0.01 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Instrument :

MSVOA_X

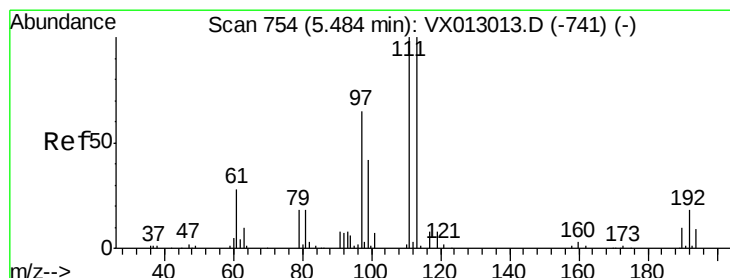
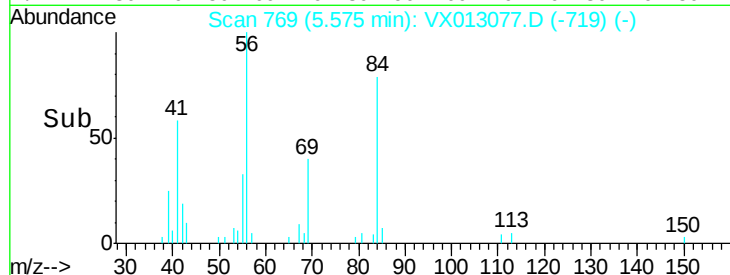
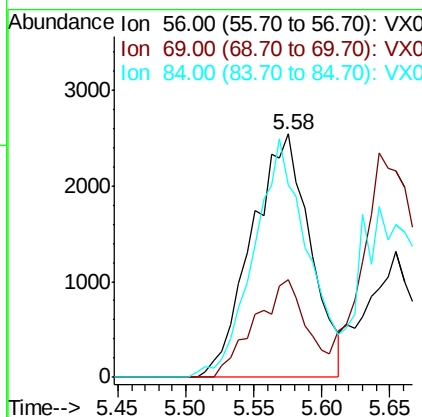
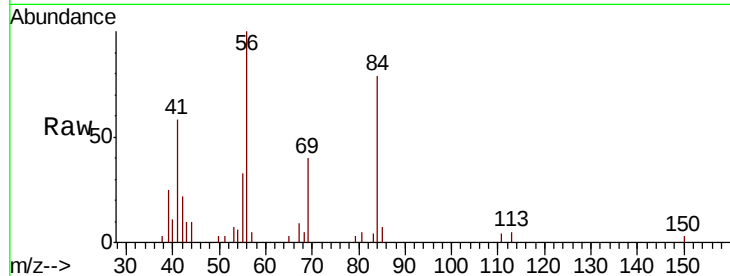
ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

Tot Ion:	56	Resp:	7644
Ion	Ratio	Lower	Upper
56	100		
69	40.0	25.2	37.8#
84	79.2	71.3	106.9

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#32

1,1,1-Trichloroethane

Concen: 2.763 ug/l

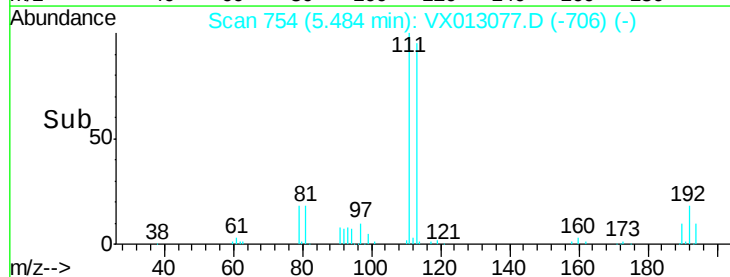
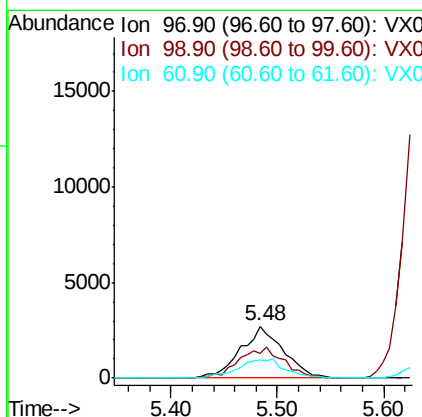
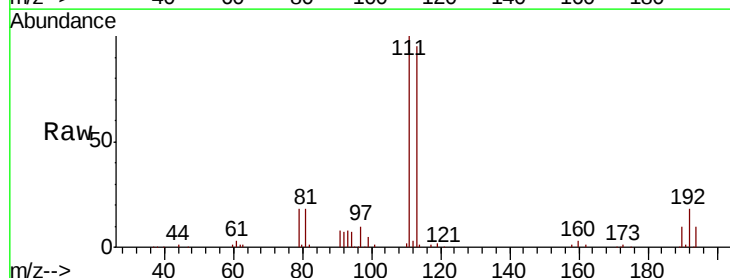
RT: 5.48 min Scan# 754

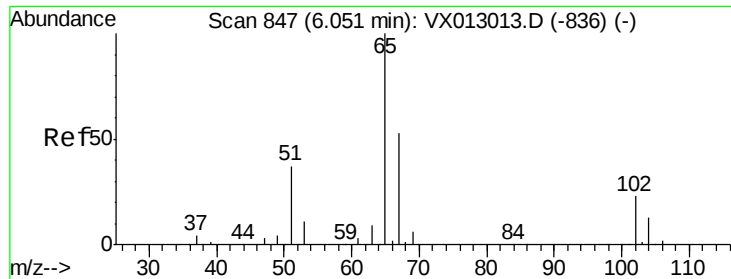
Delta R.T. -0.01 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Tgt Ion:	97	Resp:	7638
Ion	Ratio	Lower	Upper
97	100		
99	61.8	52.3	78.5
61	39.6	35.0	52.4





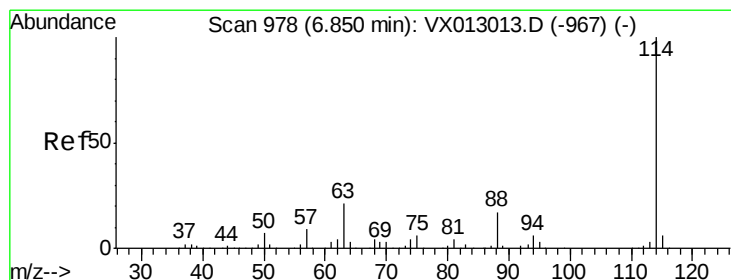
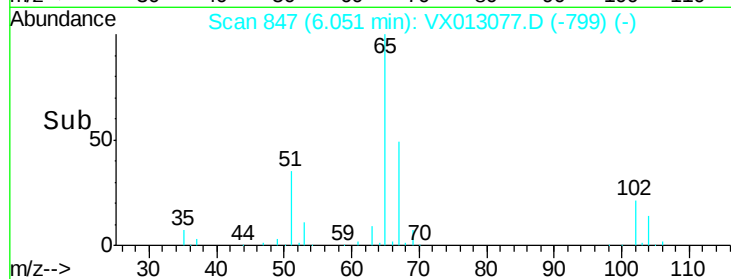
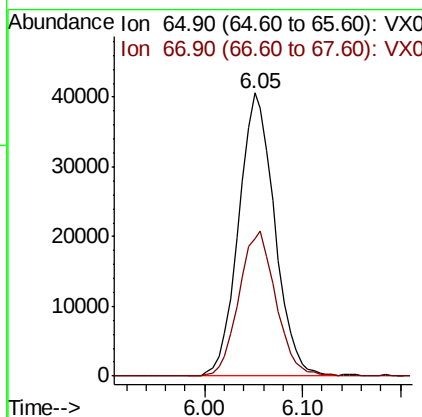
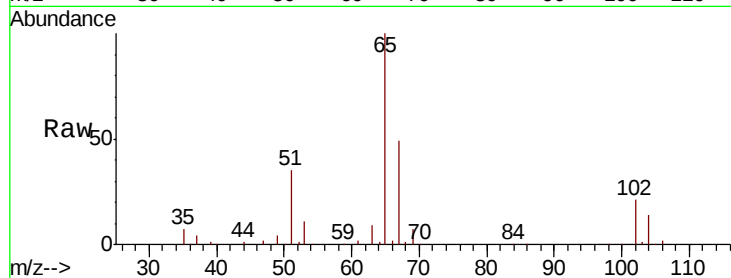
#33
 1,2-Dichloroethane-d4
 Concen: 50.570 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX013077.D
 Acq: 15 Oct 2019 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.4	0.0	104.4	

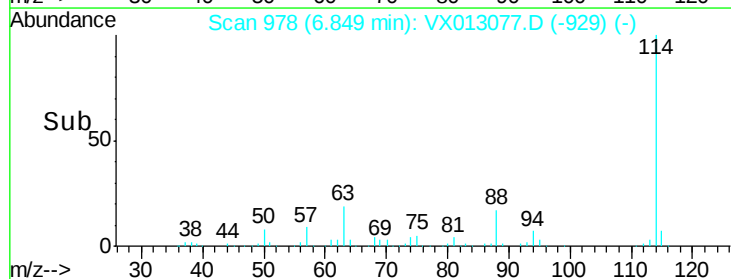
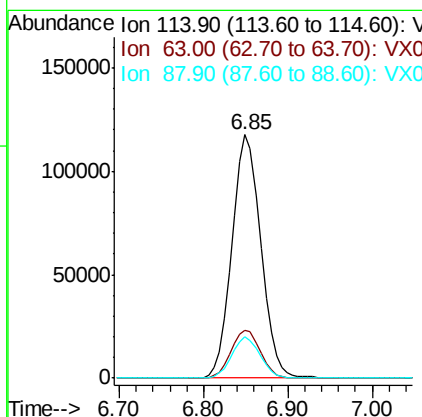
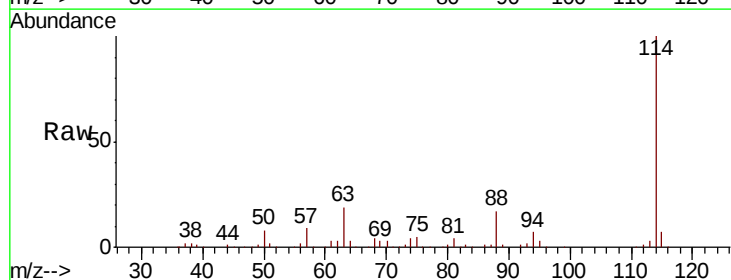
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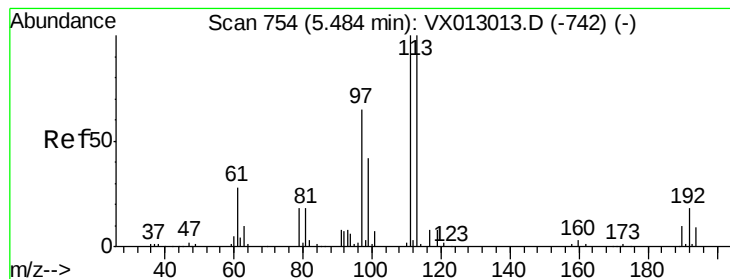
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 10/16/2019 9:57:27 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013077.D
 Acq: 15 Oct 2019 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.4	0.0	40.8	
88	16.8	0.0	33.8	





#35

Dibromofluoromethane

Concen: 51.311 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Instrument :

MSVOA_X

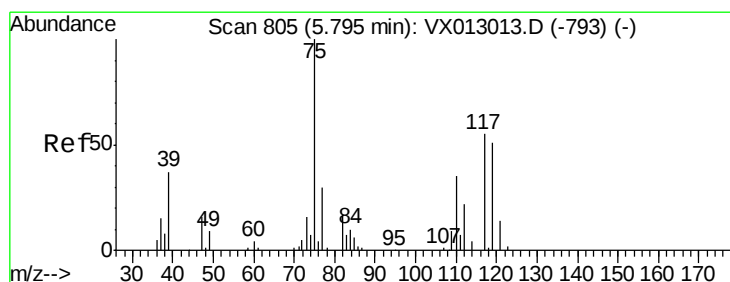
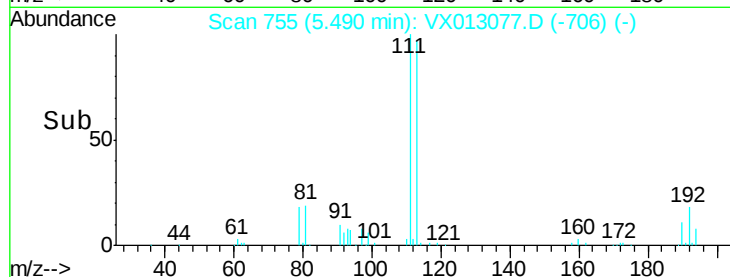
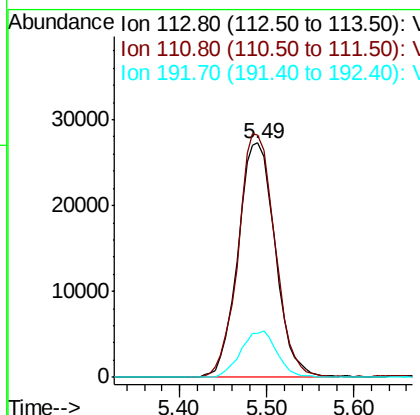
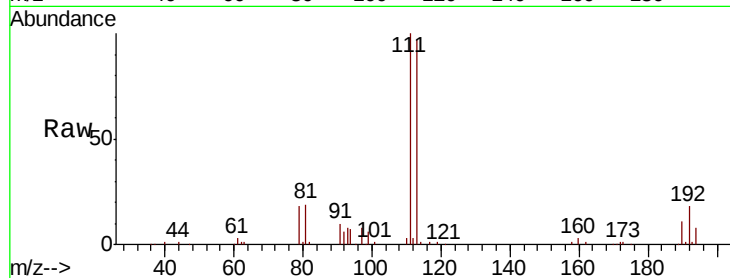
ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.7	83.2	124.8	
192	19.4	15.4	23.2	

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#36

1,1-Dichloropropene

Concen: 2.625 ug/l

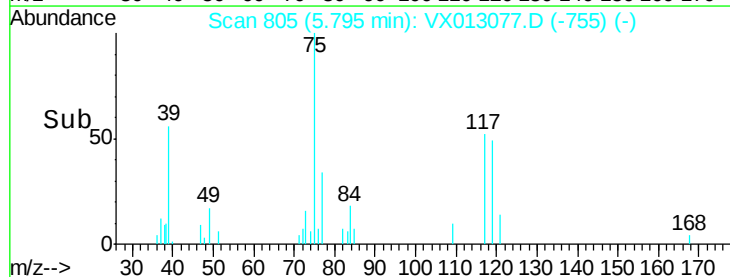
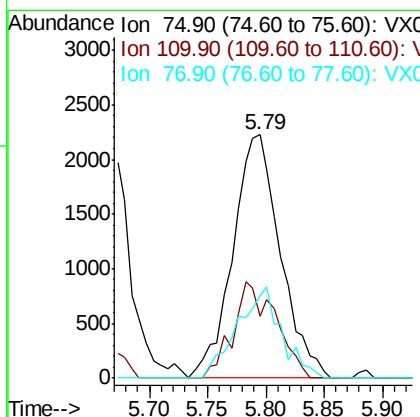
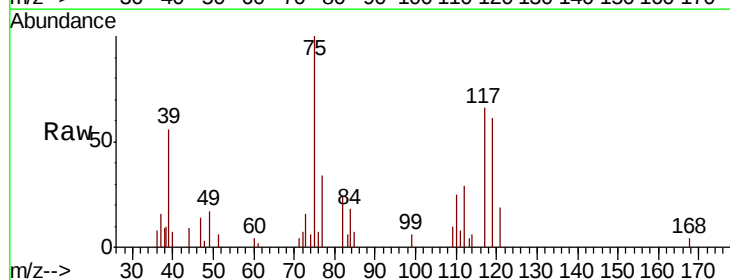
RT: 5.79 min Scan# 805

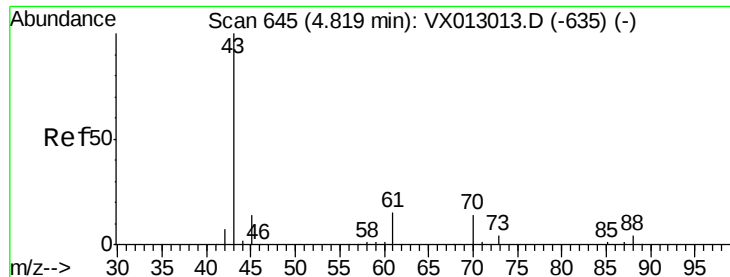
Delta R.T. 0.01 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.5	17.6	52.9	
77	34.9	24.4	36.6	





#37

Ethyl Acetate

Concen: 2.570 ug/l

RT: 4.83 min Scan# 646

Delta R.T. 0.01 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Instrument :

MSVOA_X

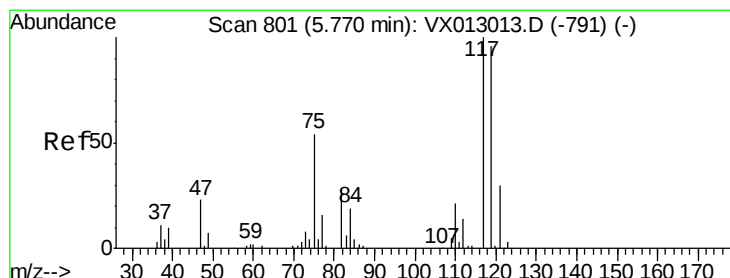
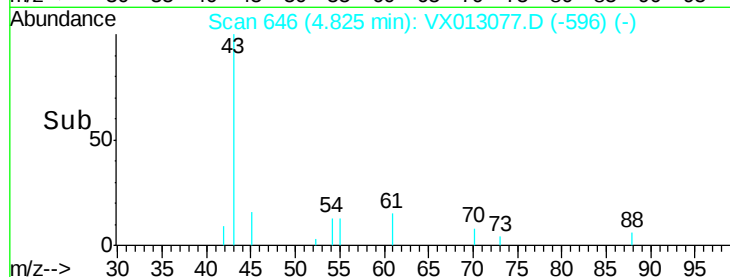
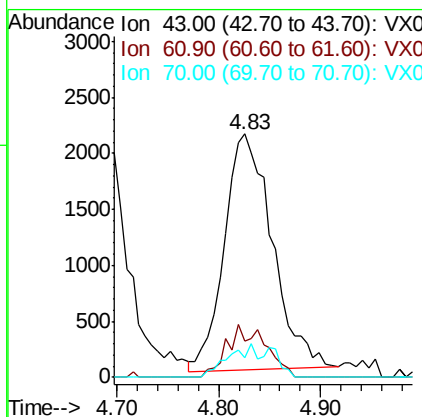
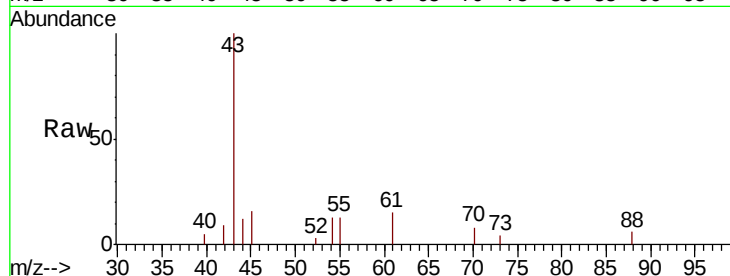
ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

Tot Ion:	43	Resp:	6907
Ion	Ratio	Lower	Upper
43	100		
61	17.9	11.4	17.0#
70	5.6	9.8	14.6#

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#38

Carbon Tetrachloride

Concen: 2.590 ug/l

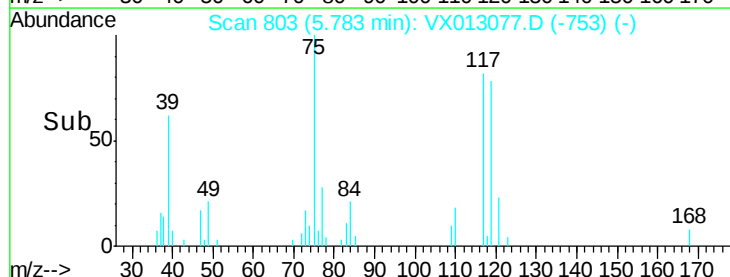
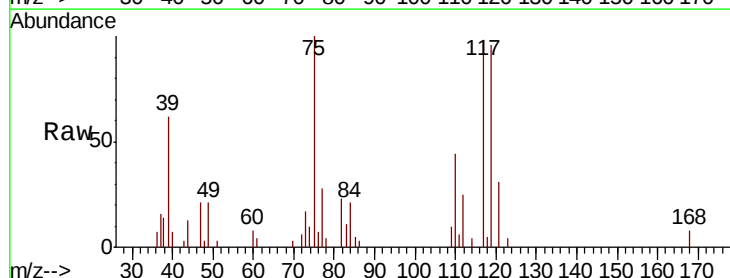
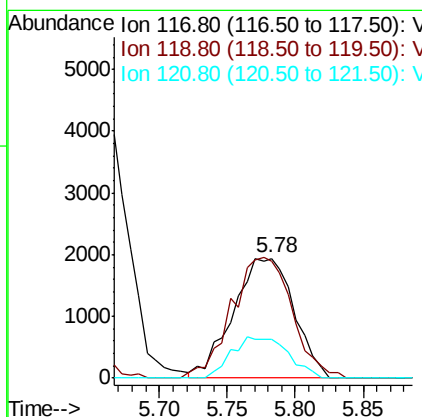
RT: 5.78 min Scan# 803

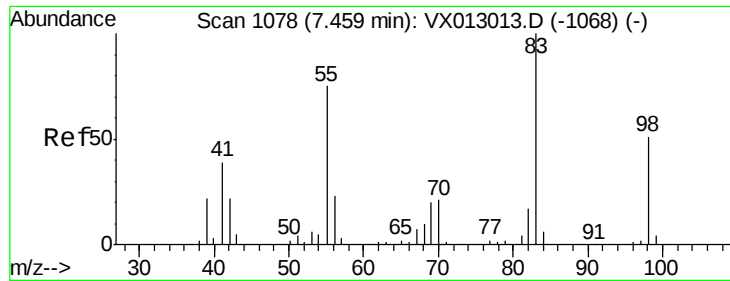
Delta R.T. 0.01 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Tgt Ion:	117	Resp:	6061
Ion	Ratio	Lower	Upper
117	100		
119	93.3	74.5	111.7
121	31.9	24.2	36.4





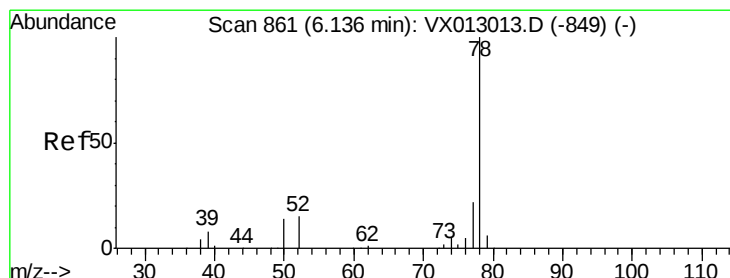
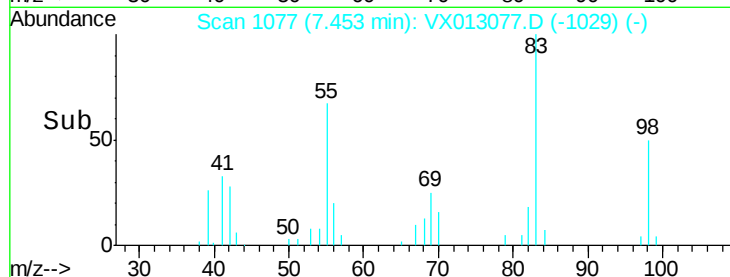
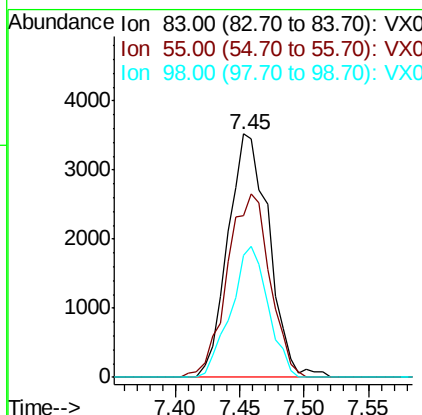
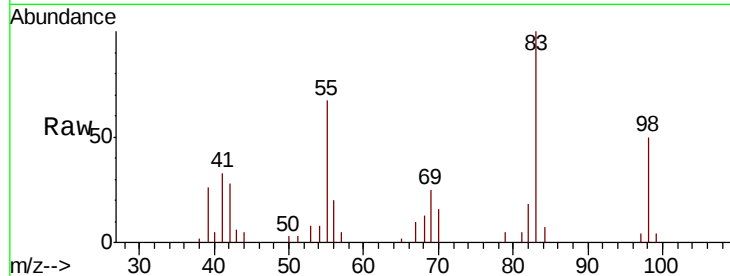
#39
Methvlcvclohexane
Concen: 2.681 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.7	60.2	90.4
98	50.2	38.5	57.7

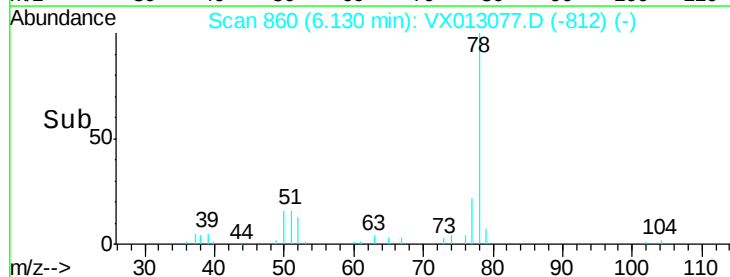
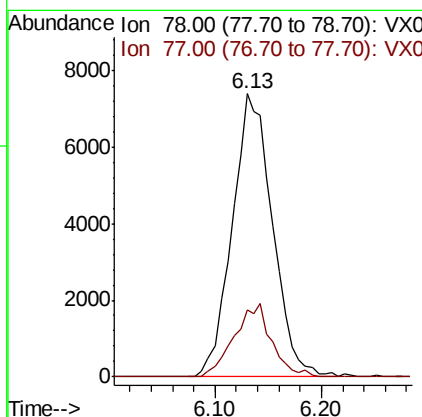
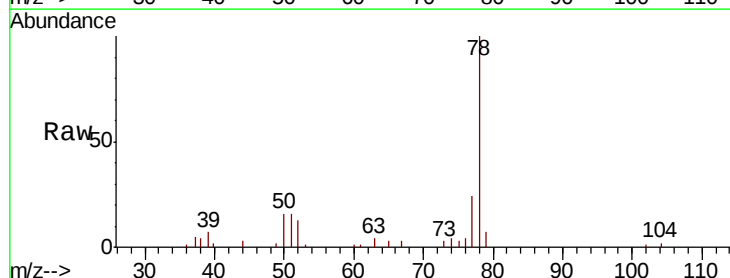
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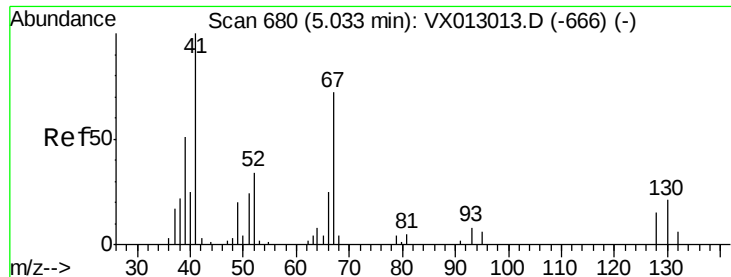
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#40
Benzene
Concen: 2.753 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4





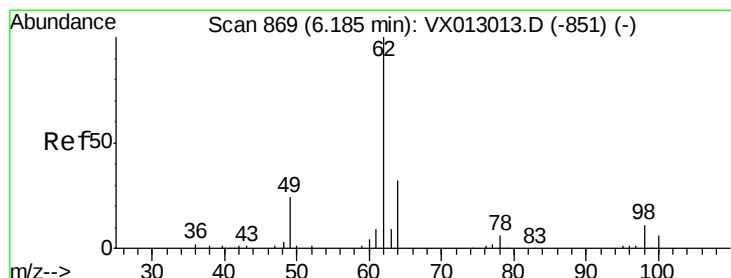
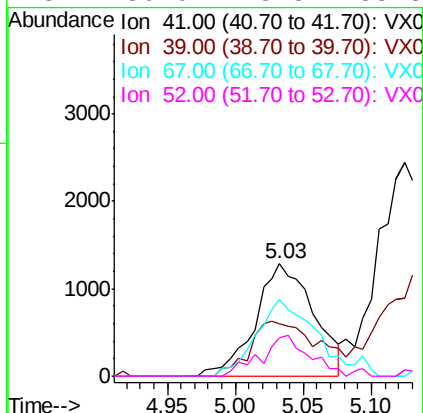
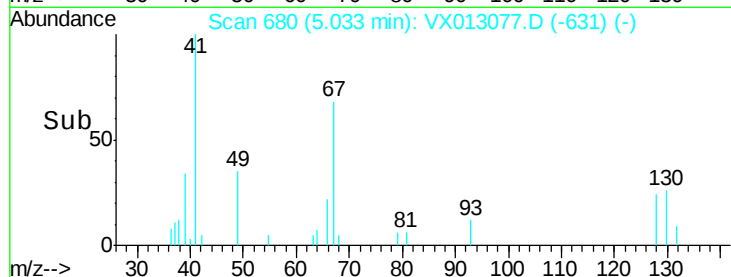
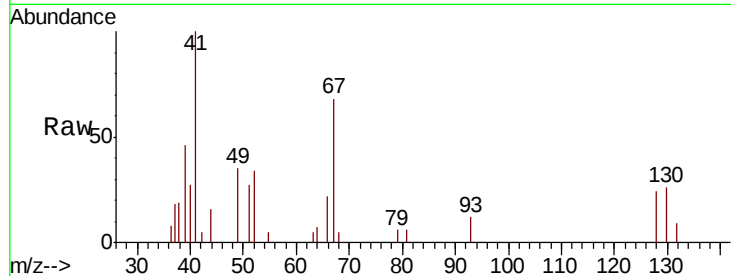
#41
Methacrylonitrile
Concen: 2.597 ug/l
RT: 5.03 min Scan# 680
Delta R.T. -0.00 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion:	41	Resp:	3836
Ion	Ratio	Lower	Upper
41	100		
39	58.4	44.0	66.0
67	72.1	58.5	87.7
52	30.0	23.8	35.8

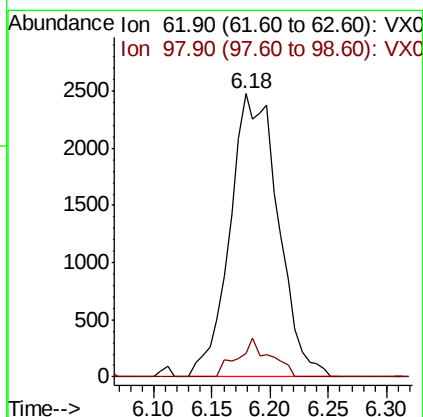
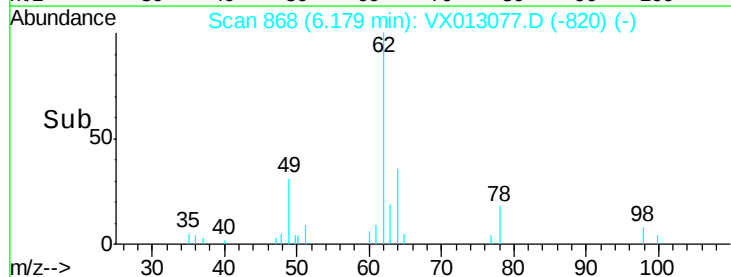
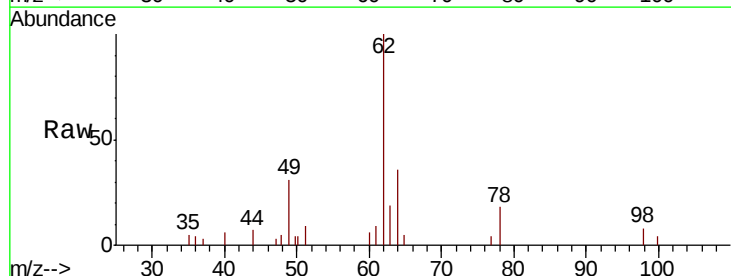
Manual Integrations
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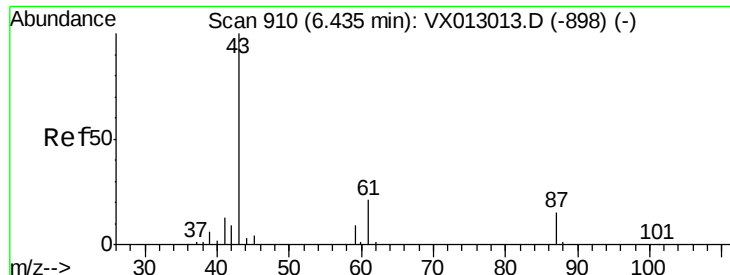
MMDadoda
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#42
1,2-Dichloroethane
Concen: 2.804 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Tgt Ion:	62	Resp:	7144
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	20.4





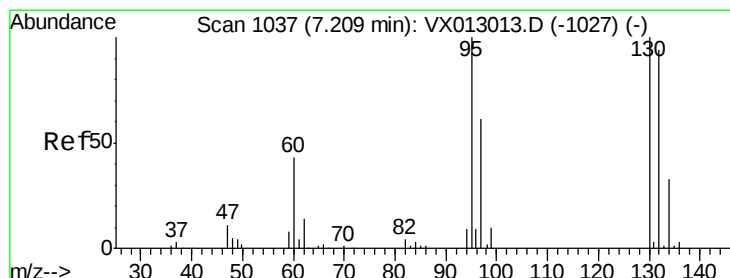
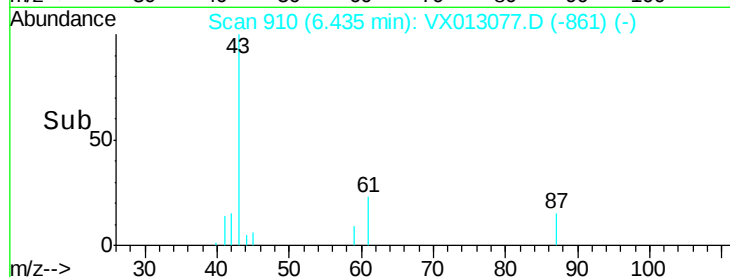
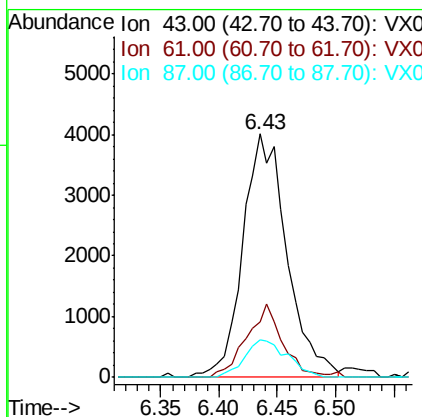
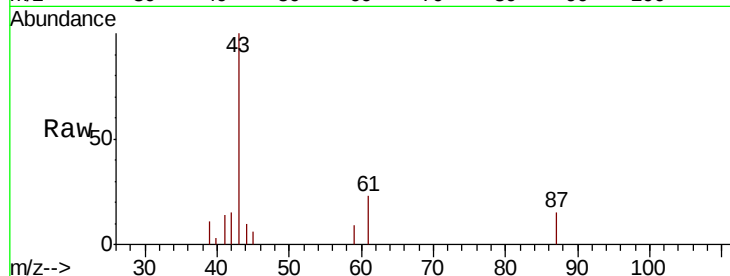
#43
Isopropyl Acetate
Concen: 2.448 ug/l
RT: 6.43 min Scan# 910
Delta R.T. -0.00 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.0	16.6	24.8#
87	14.8	11.0	16.6

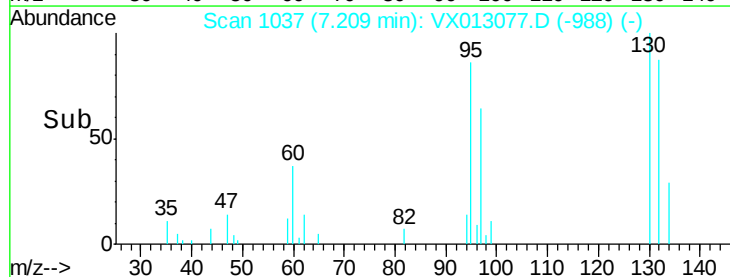
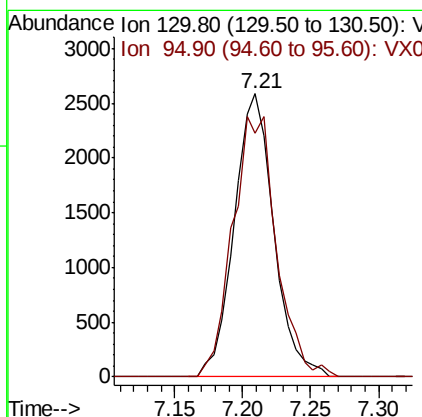
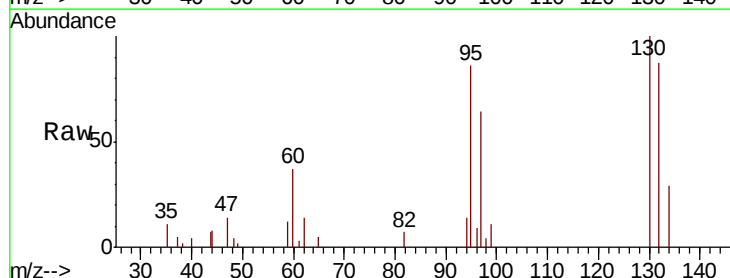
Manual Integrations
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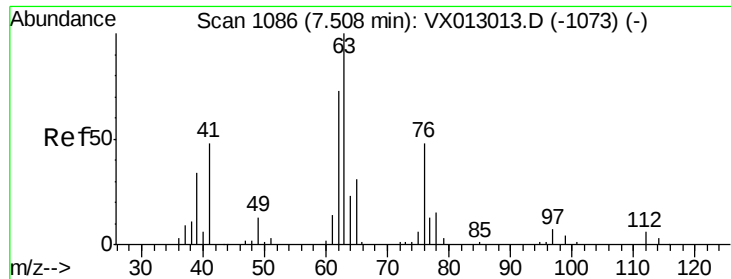
MMDadoda
10/16/2019 9:57:27 AM



#44
Trichloroethene
Concen: 2.670 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.0	0.0	189.2





#45

1,2-Dichloropropane

Concen: 2.697 ug/l

RT: 7.51 min Scan# 1087

Delta R.T. 0.01 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 63 Resp: 4881

Ion Ratio Lower Upper

63 100

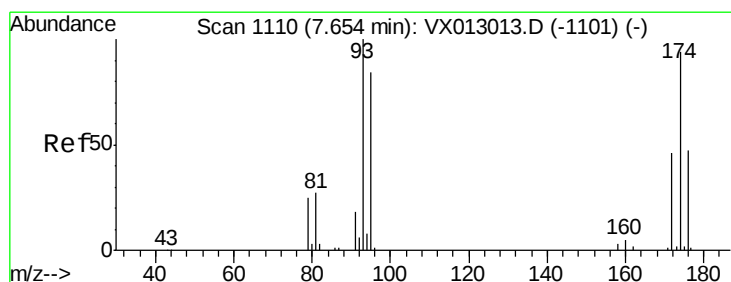
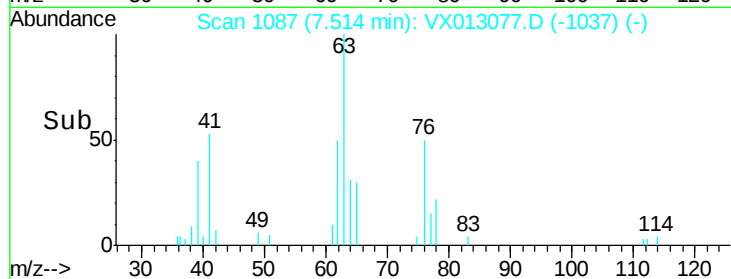
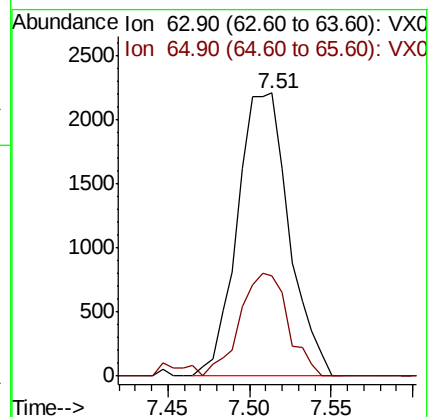
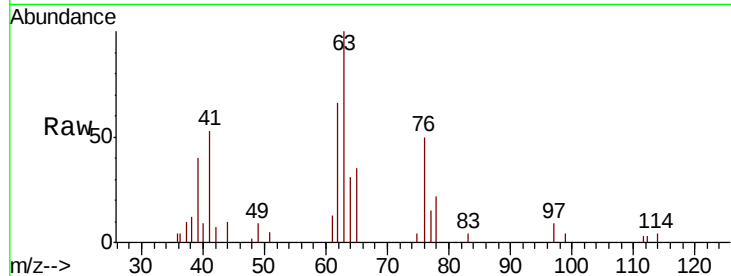
65 35.4 24.6 37.0

Manual Integrations

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#46

Dibromomethane

Concen: 2.759 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

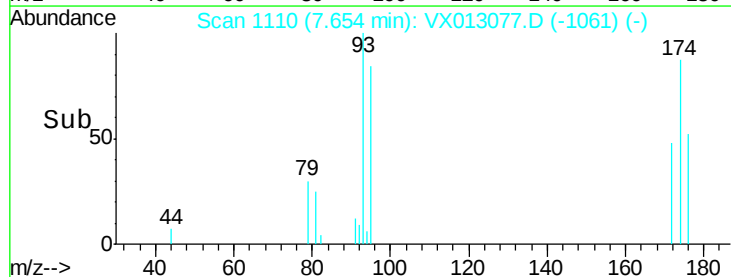
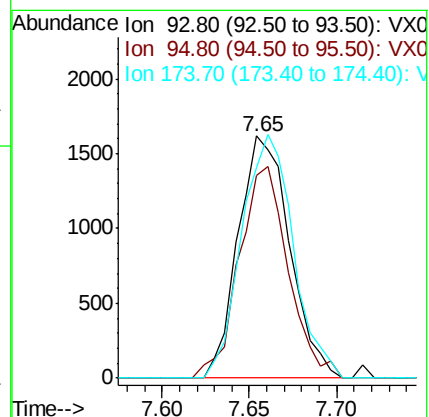
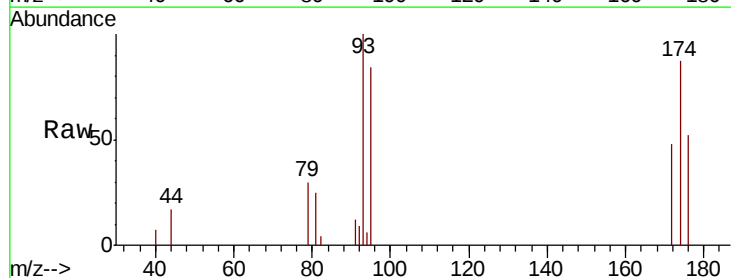
Tgt Ion: 93 Resp: 3326

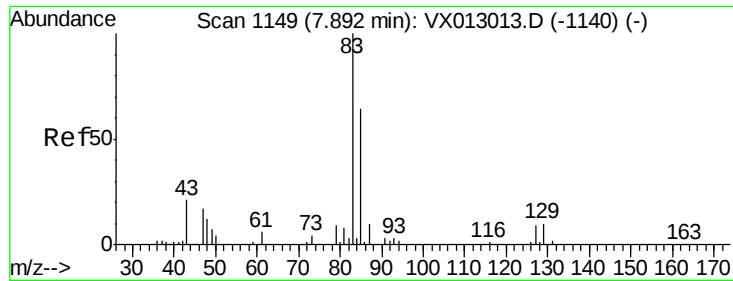
Ion Ratio Lower Upper

93 100

95 83.2 66.3 99.5

174 100.8 77.8 116.6





#47

Bromodichloromethane

Concen: 2.557 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Instrument :

MSVOA_X

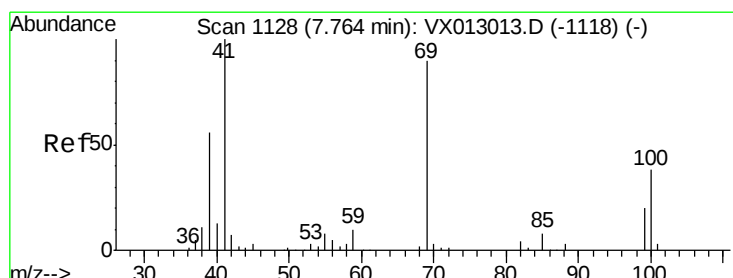
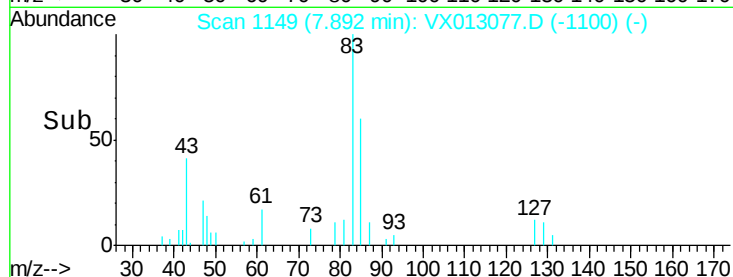
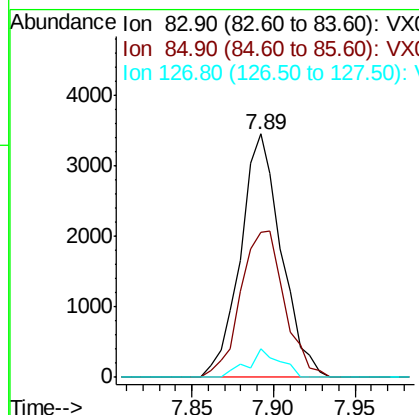
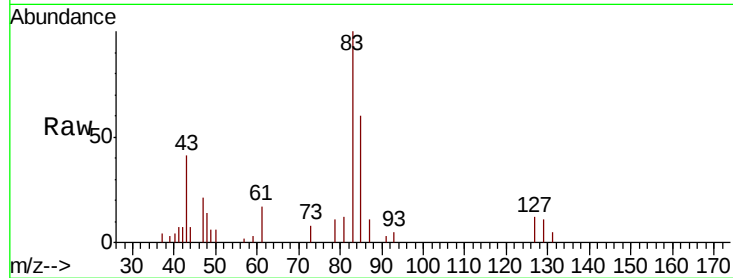
ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

Tot Ion:	83	Resp:	6015
Ion	Ratio	Lower	Upper
83	100		
85	59.6	52.4	78.6
127	11.6	6.6	10.0#

Manual Integrations
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#48

Methyl methacrylate

Concen: 2.442 ug/l

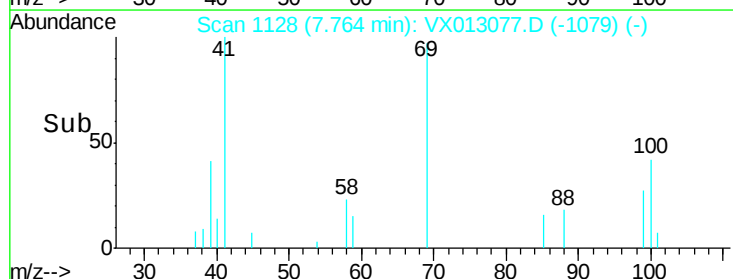
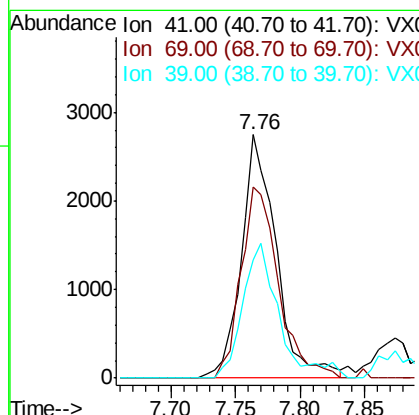
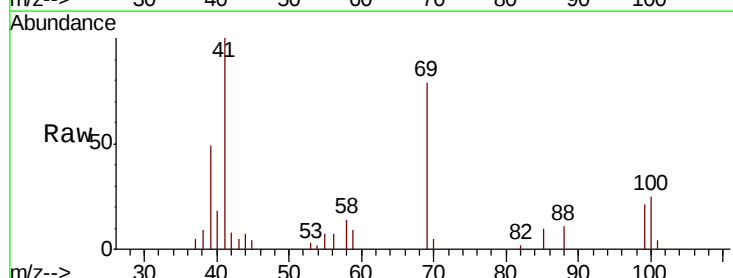
RT: 7.76 min Scan# 1128

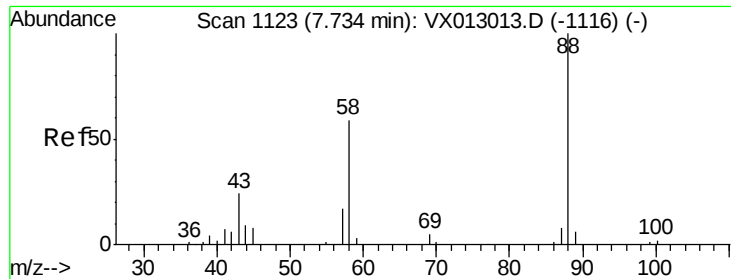
Delta R.T. -0.00 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Tgt Ion:	41	Resp:	5135
Ion	Ratio	Lower	Upper
41	100		
69	84.7	68.7	103.1
39	53.8	44.3	66.5





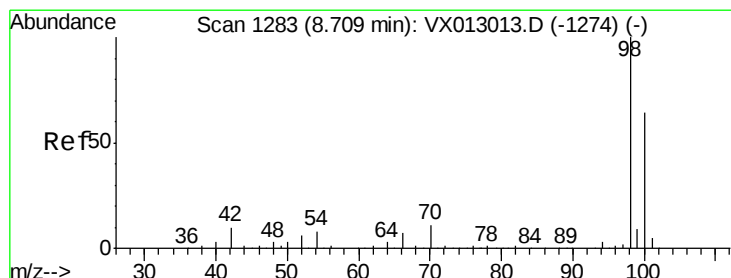
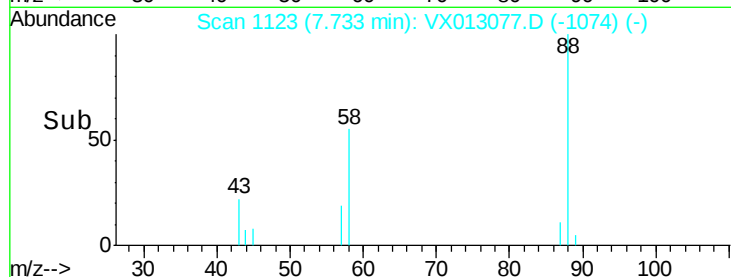
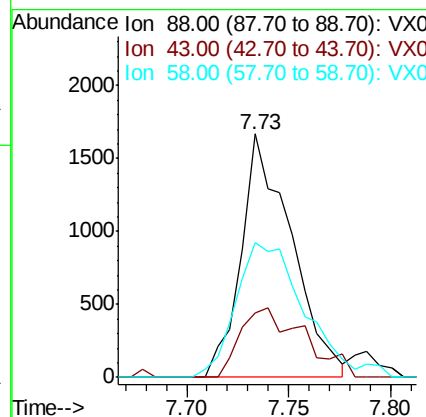
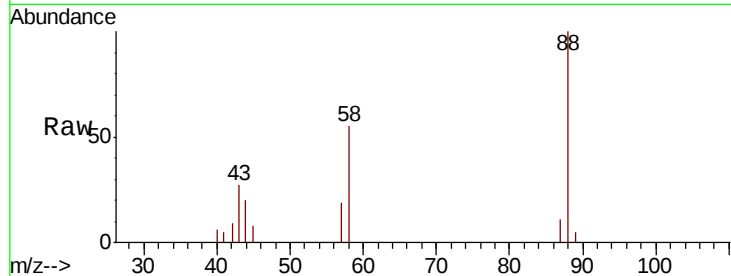
#49
1,4-Dioxane
Concen: 56.089 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	25.0	37.6
58	75.8	55.4	83.2

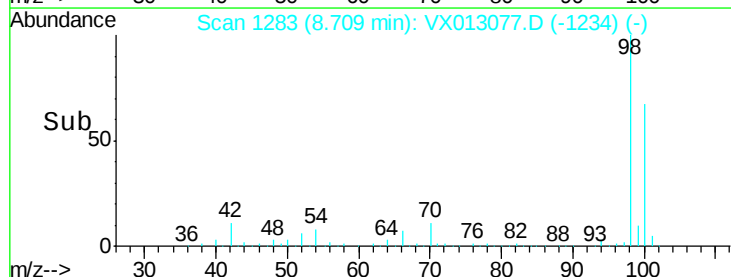
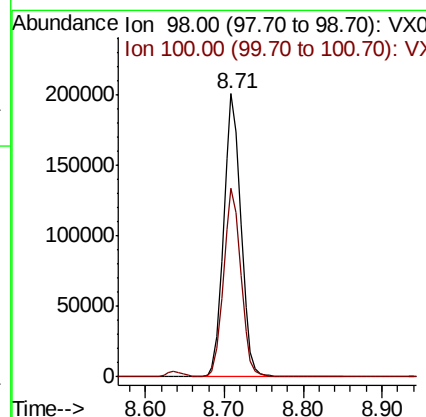
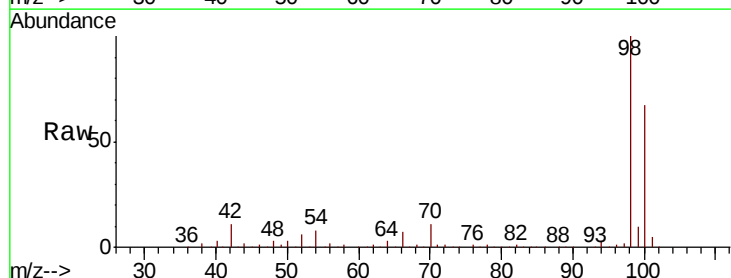
Manual Integrations
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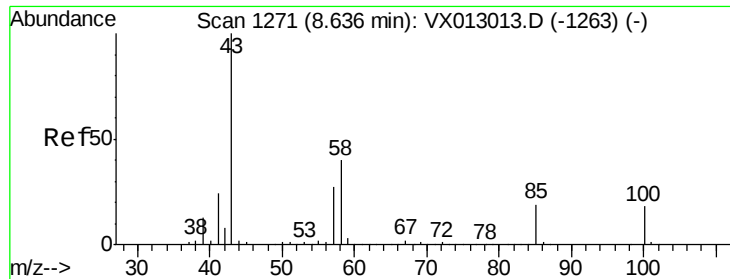
MMDadoda
10/16/2019 9:57:27 AM



#50
Toluene-d8
Concen: 50.156 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 12.843 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Tot Ion: 43 Resp: 34547

Ion Ratio Lower Upper

43 100

58 40.5 32.4 48.6

Instrument :

MSVOA_X

ClientSampleId :

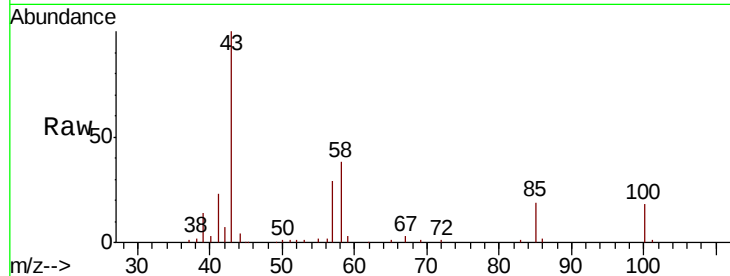
MDL-MDL-WATER-03-QT4-2019DL

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

25000

20000

15000

10000

5000

0

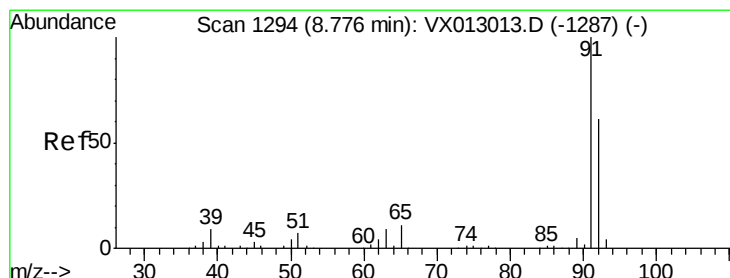
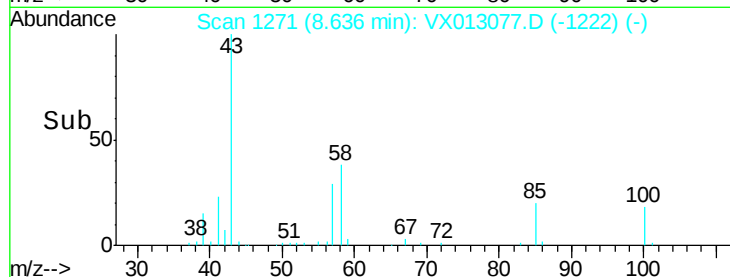
8.55

8.60

8.65

8.70

Time-->



#52

Toluene

Concen: 2.750 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013077.D

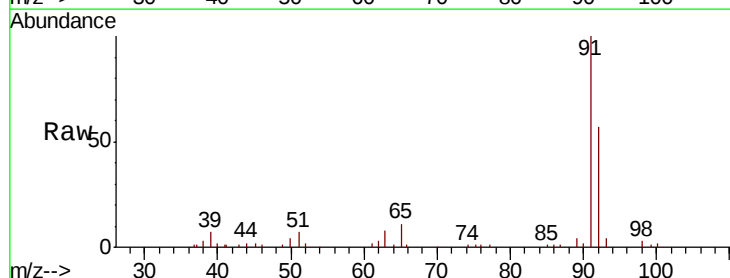
Acq: 15 Oct 2019 14:54

Tgt Ion: 92 Resp: 12492

Ion Ratio Lower Upper

92 100

91 171.4 135.9 203.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

15000

10000

5000

0

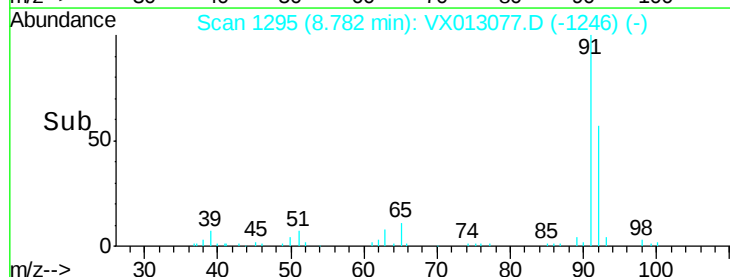
8.70

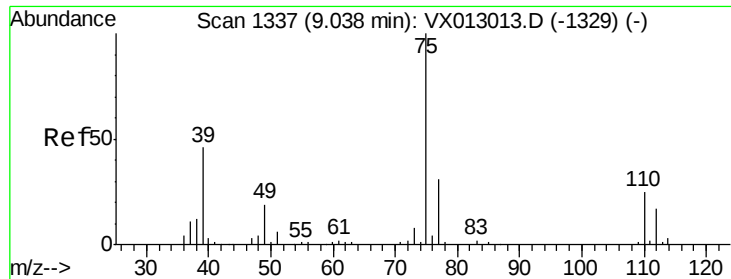
8.75

8.80

8.85

Time-->





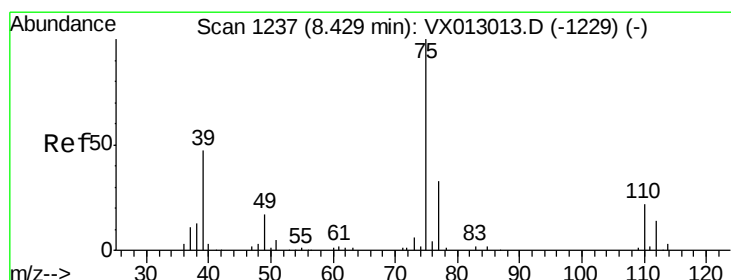
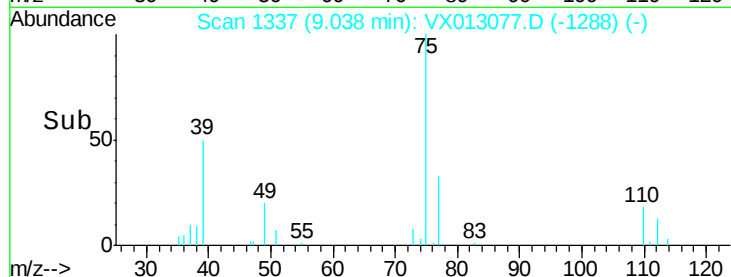
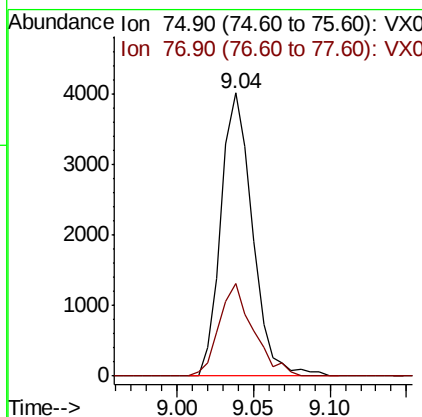
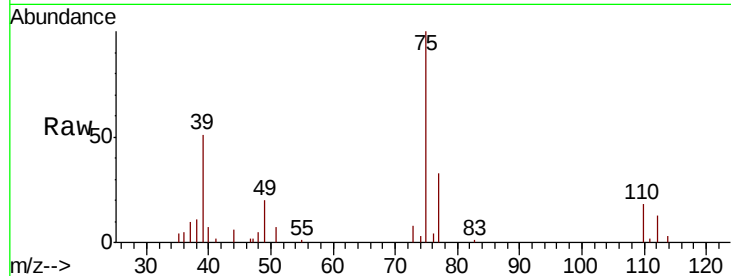
#53
t-1,3-Dichloropropene
Concen: 2.215 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 75 Resp: 5768
Ion Ratio Lower Upper
75 100
77 32.9 25.8 38.6

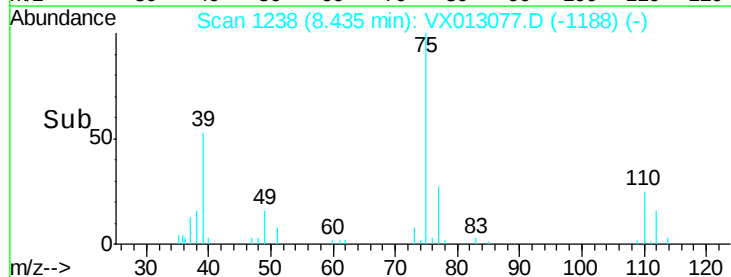
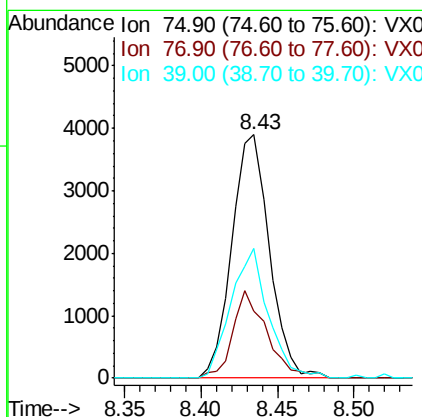
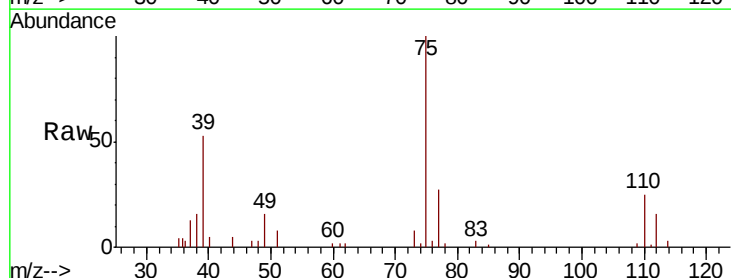
Manual Integrations
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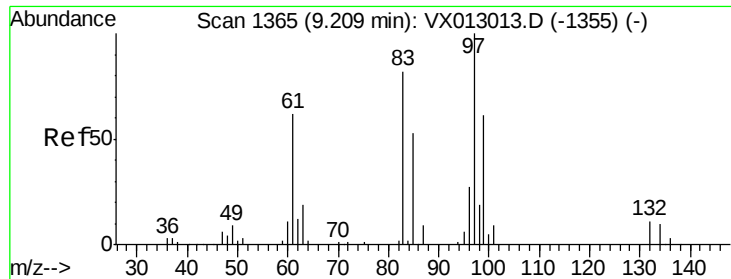
MMDadoda
10/16/2019 9:57:27 AM



#54
cis-1,3-Dichloropropene
Concen: 2.300 ug/l
RT: 8.43 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Tgt Ion: 75 Resp: 6656
Ion Ratio Lower Upper
75 100
77 27.4 25.8 38.8
39 53.1 38.2 57.2





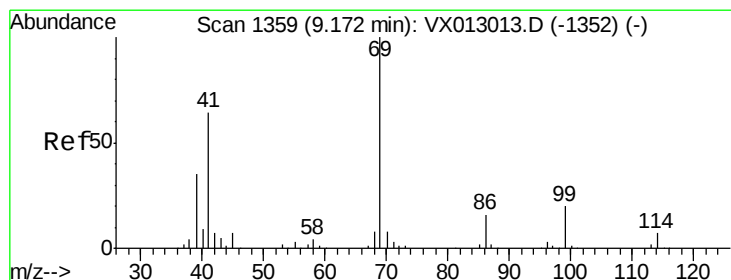
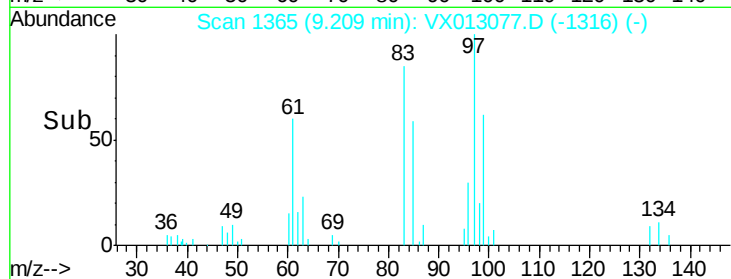
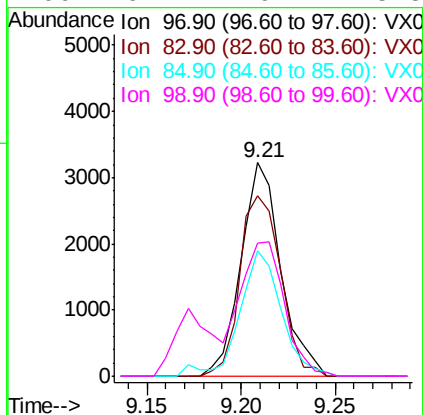
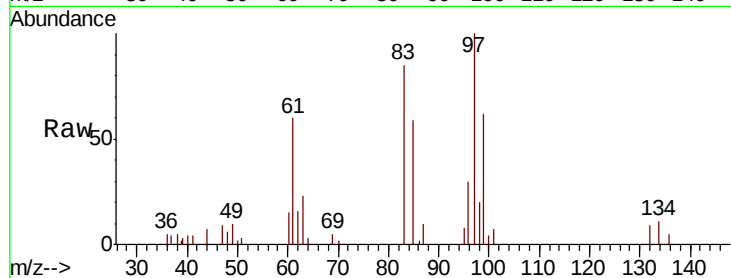
#55
 1,1,2-Trichloroethane
 Concen: 2.634 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013077.D
 Acq: 15 Oct 2019 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019DL

Tot Ion:	97	Resp:	4734
Ion	Ratio	Lower	Upper
97	100		
83	84.5	66.5	99.7
85	58.7	43.1	64.7
99	62.4	49.2	73.8

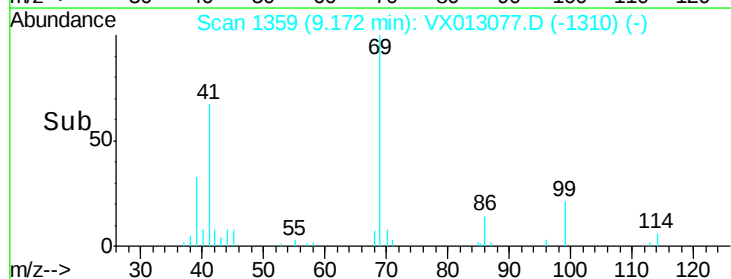
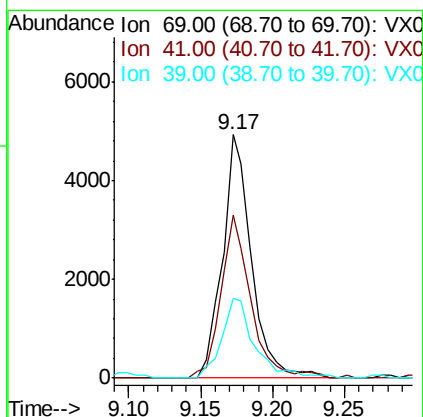
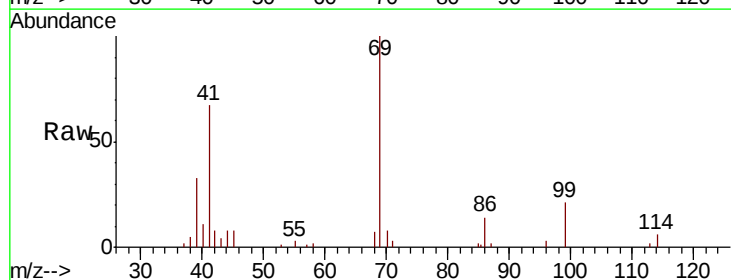
Manual Integrations
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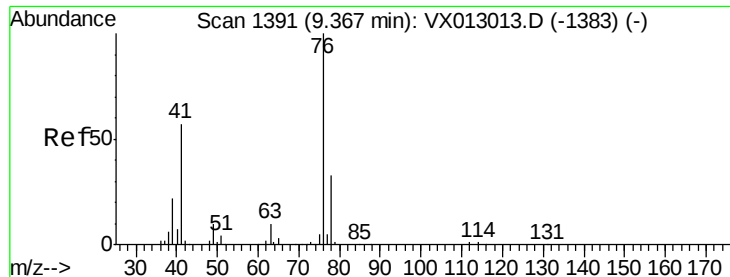
MMDadoda
 10/16/2019 9:57:27 AM



#56
 Ethyl methacrylate
 Concen: 2.398 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013077.D
 Acq: 15 Oct 2019 14:54

Tgt Ion:	69	Resp:	6982
Ion	Ratio	Lower	Upper
69	100		
41	67.2	52.1	78.1
39	37.3	27.8	41.8





#57

1,3-Dichloropropane

Concen: 2.783 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 76 Resp: 8654

Ion Ratio Lower Upper

76 100

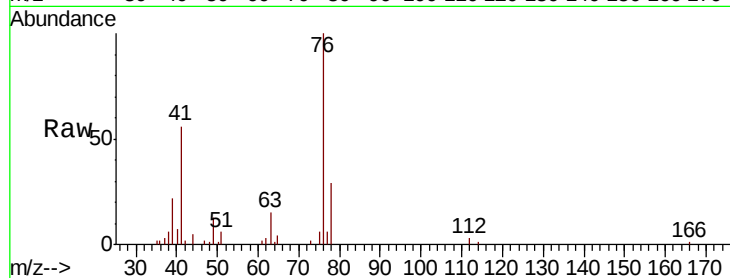
78 30.8 26.1 39.1

Manual Integrations

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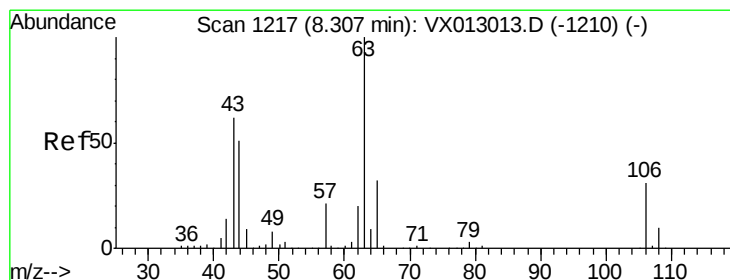
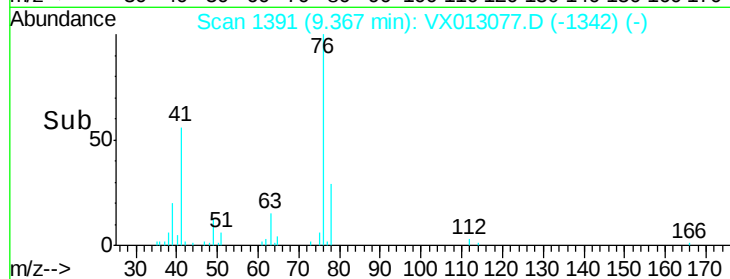
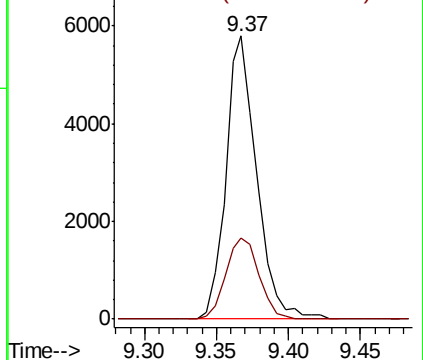
MMDadoda

10/16/2019 9:57:27 AM



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: 10.964 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX013077.D

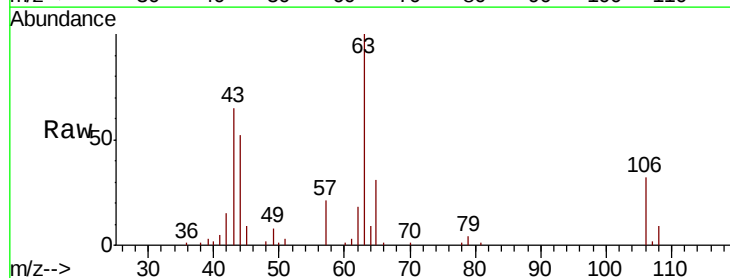
Acq: 15 Oct 2019 14:54

Tgt Ion: 63 Resp: 14478

Ion Ratio Lower Upper

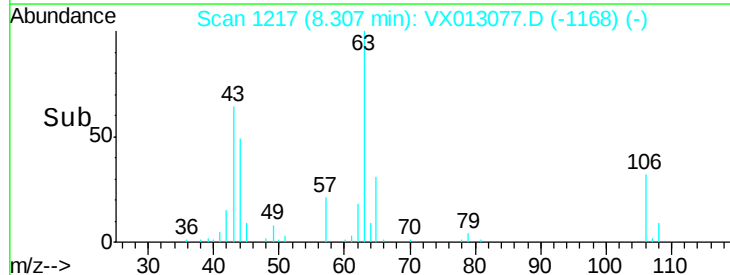
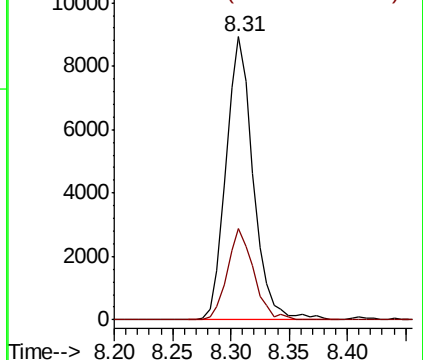
63 100

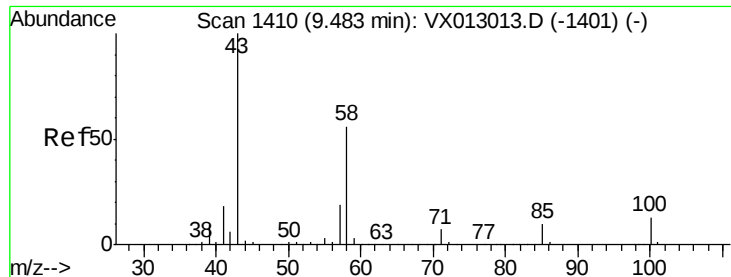
106 30.9 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





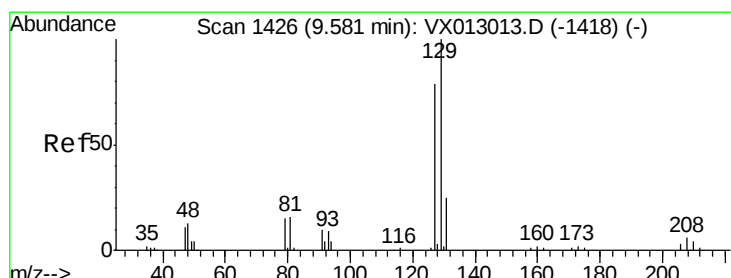
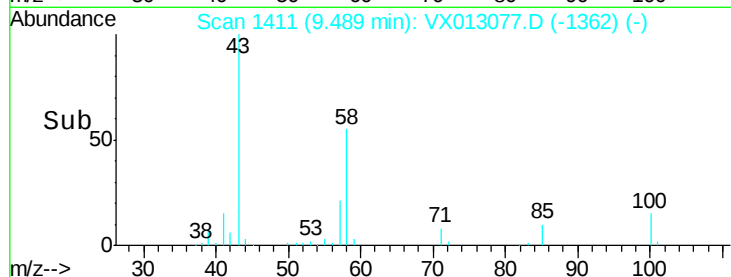
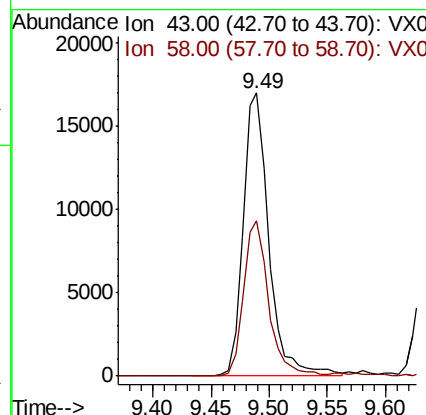
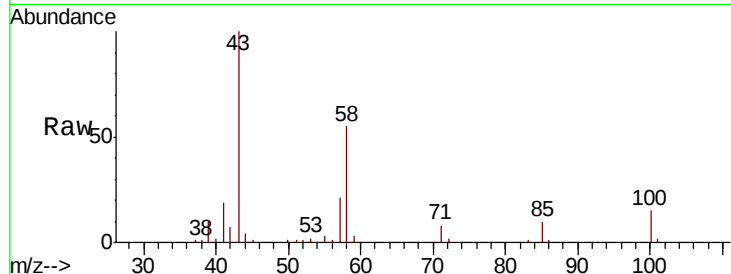
#59
2-Hexanone
Concen: 12.486 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. -0.00 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 43 Resp: 26144
Ion Ratio Lower Upper
43 100
58 53.8 28.1 84.3

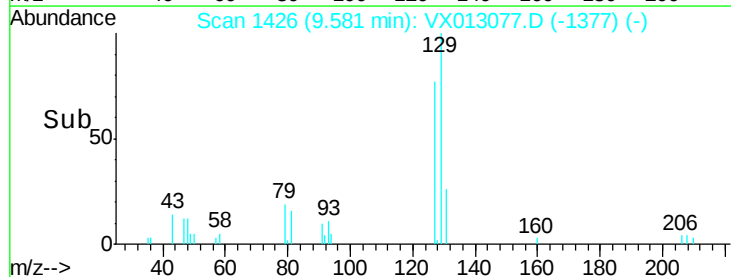
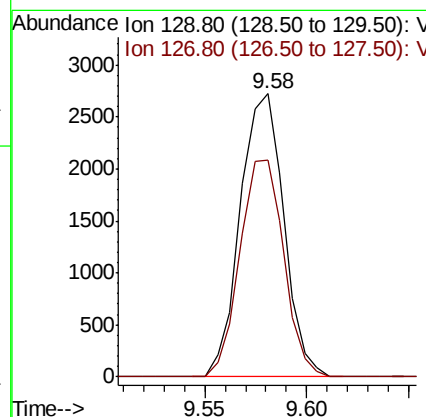
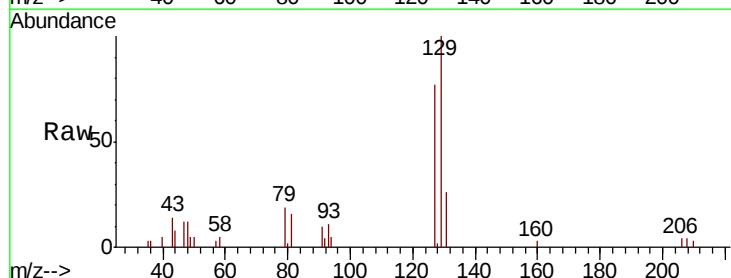
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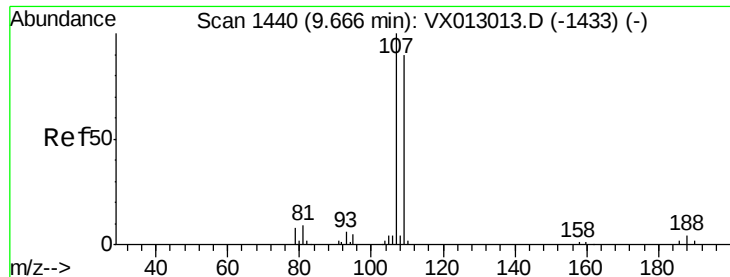
MMDadoda
10/16/2019 9:57:27 AM



#60
Dibromochloromethane
Concen: 2.290 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Tgt Ion: 129 Resp: 4033
Ion Ratio Lower Upper
129 100
127 77.0 38.9 116.7





#61

1,2-Dibromoethane

Concen: 2.499 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 107 Resp: 4725

Ion Ratio Lower Upper

107 100

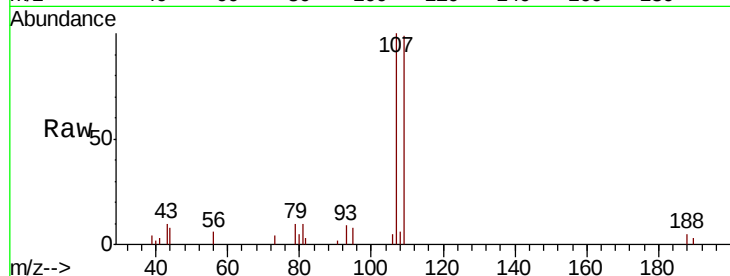
109 98.4 75.8 113.6

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

3000

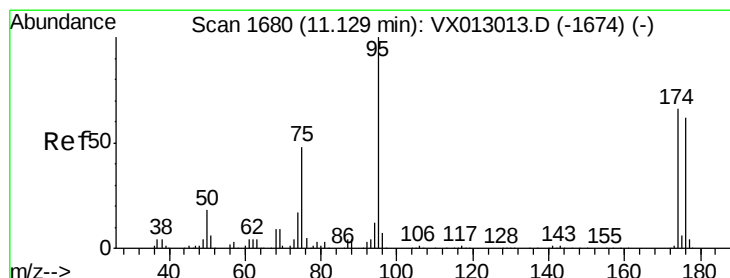
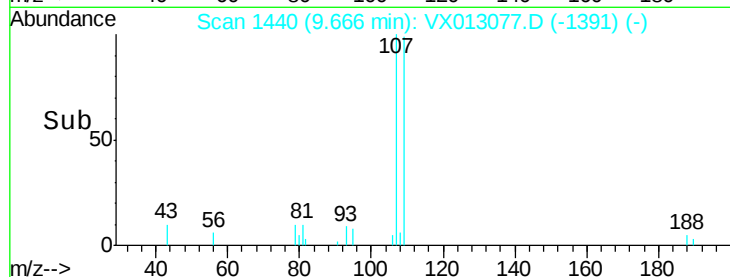
2000

1000

0

Time-->

9.60 9.65 9.70



#62

4-Bromofluorobenzene

Concen: 47.433 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

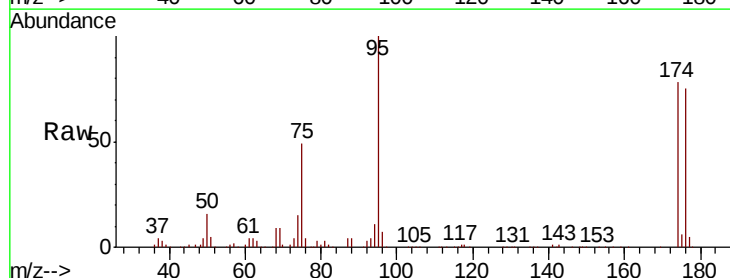
Tgt Ion: 95 Resp: 112805

Ion Ratio Lower Upper

95 100

174 73.4 0.0 143.4

176 70.7 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

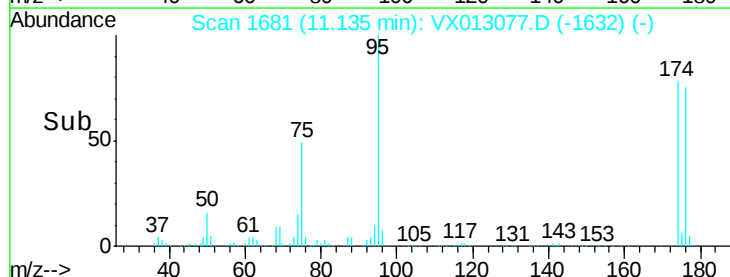
40000

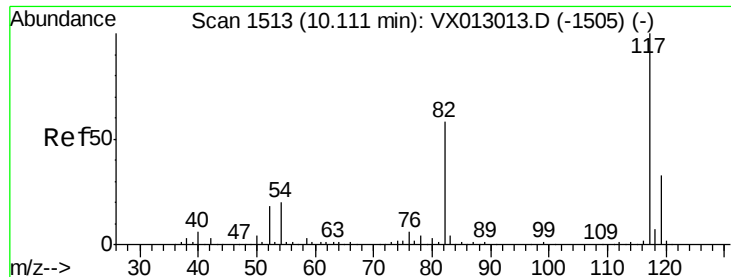
20000

0

Time-->

11.10 11.20





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Instrument :

MSVOA_X

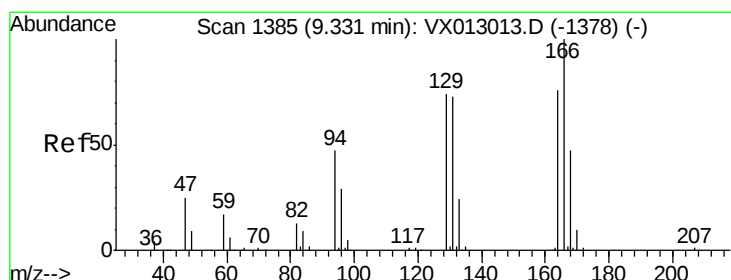
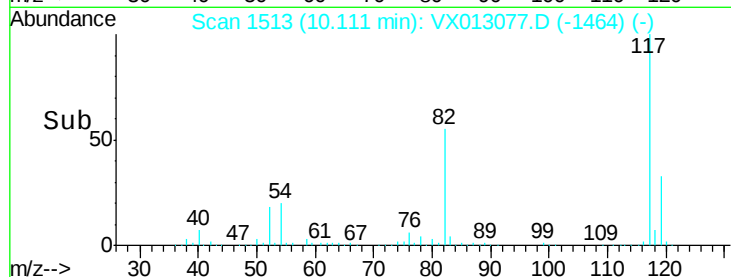
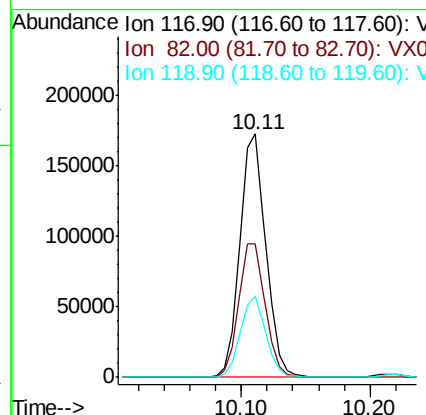
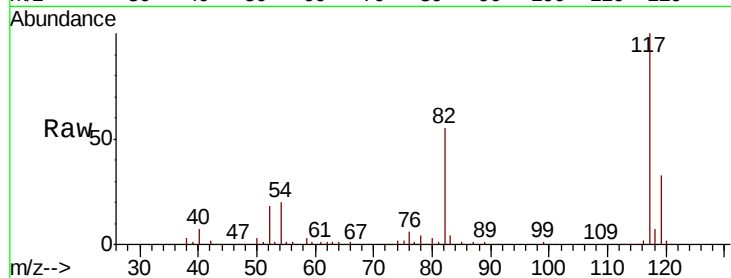
ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

Tot Ion:	117	Resp:	241807
Ion Ratio	Lower	Upper	
117	100		
82	54.6	44.1	66.1
119	33.3	25.8	38.8

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#64

Tetrachloroethene

Concen: 3.125 ug/l

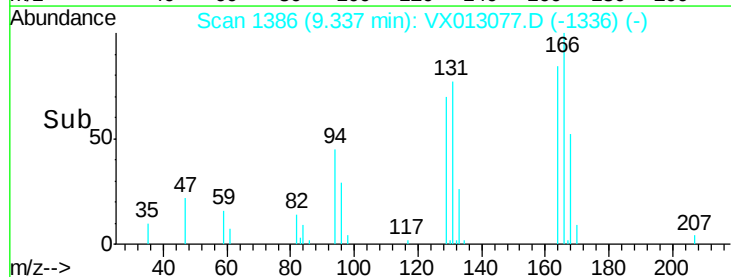
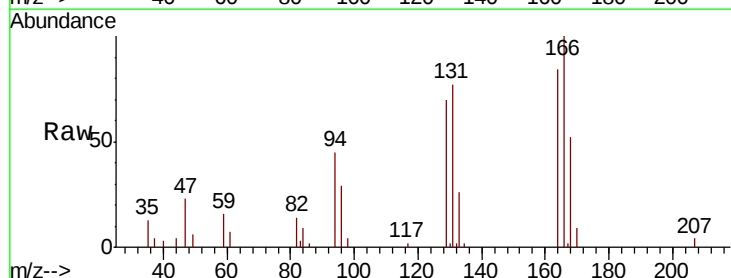
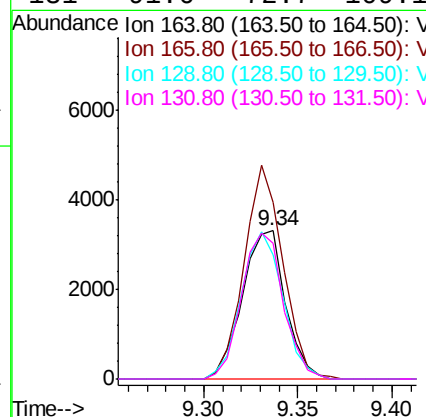
RT: 9.34 min Scan# 1386

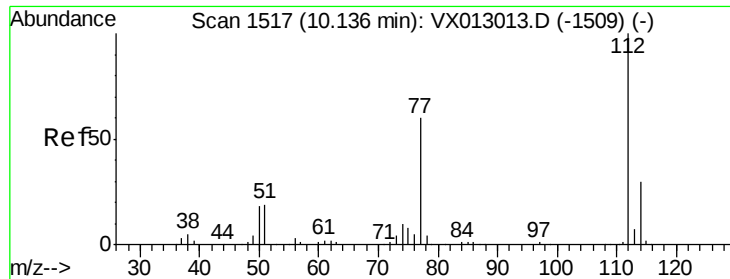
Delta R.T. 0.01 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Tgt Ion:	164	Resp:	5241
Ion Ratio	Lower	Upper	
164	100		
166	119.4	96.9	145.3
129	84.0	77.9	116.9
131	91.6	72.7	109.1





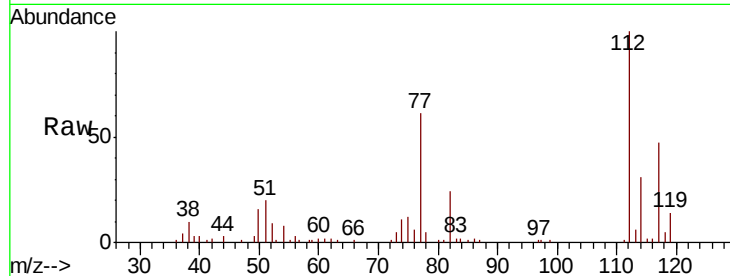
#65
Chlorobenzene
Concen: 2.810 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

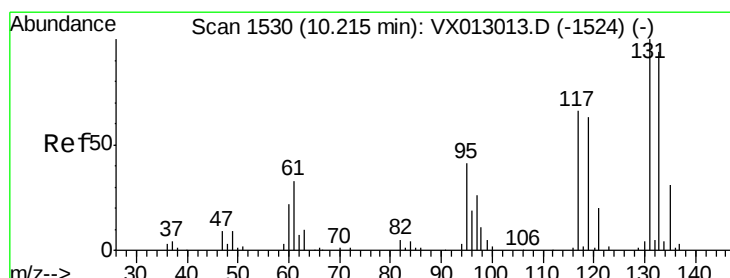
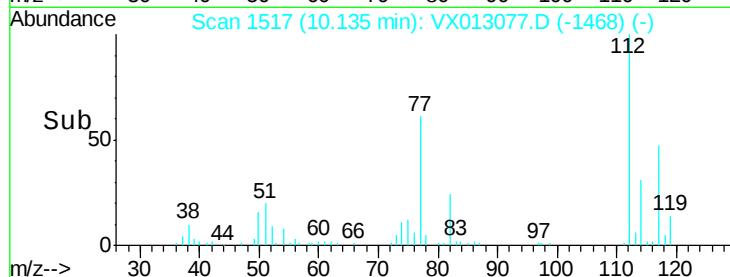
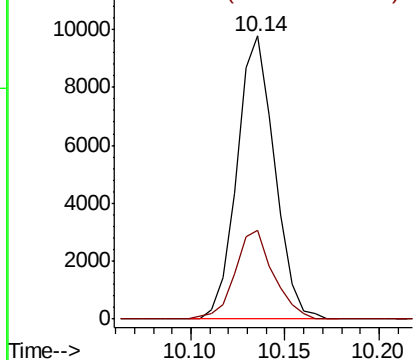
Tot Ion:112 Resp: 13494
Ion Ratio Lower Upper
112 100
114 31.3 25.7 38.5

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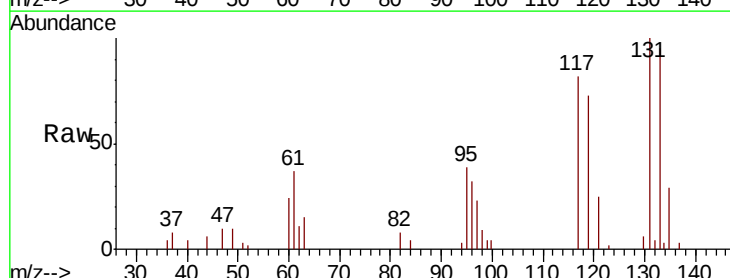


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

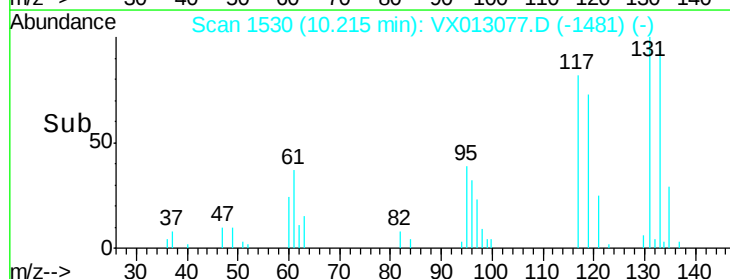
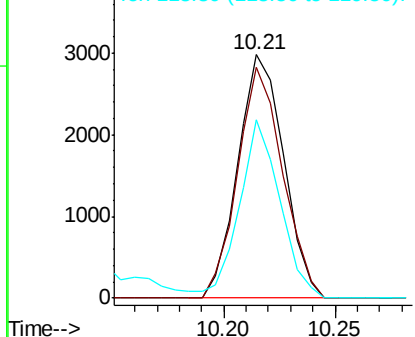


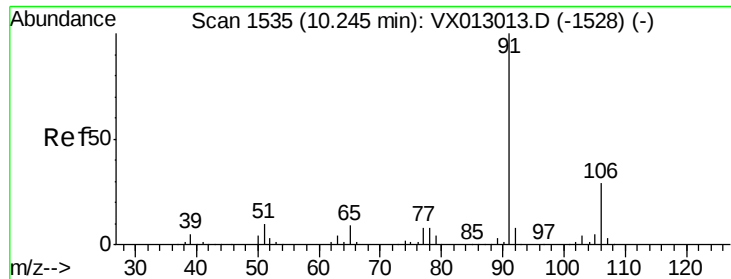
#66
1,1,1,2-Tetrachloroethane
Concen: 2.565 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Tgt Ion:131 Resp: 4270
Ion Ratio Lower Upper
131 100
133 93.6 47.2 141.6
119 65.0 32.6 98.0



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





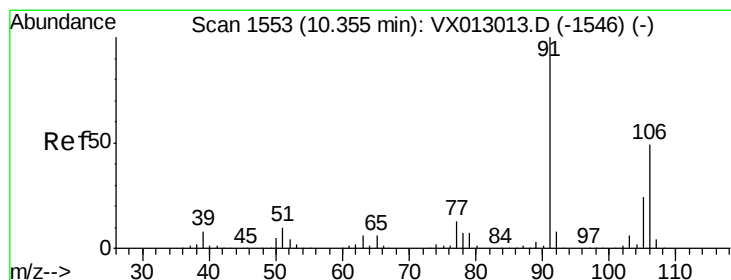
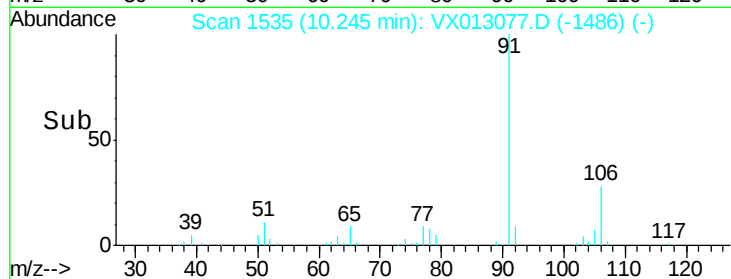
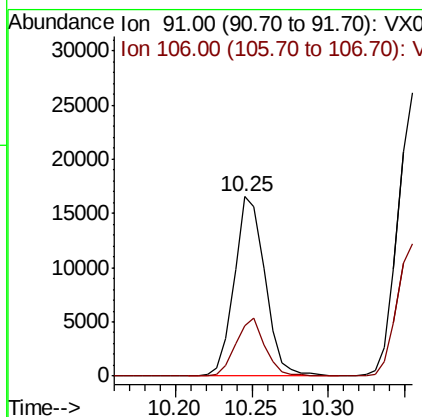
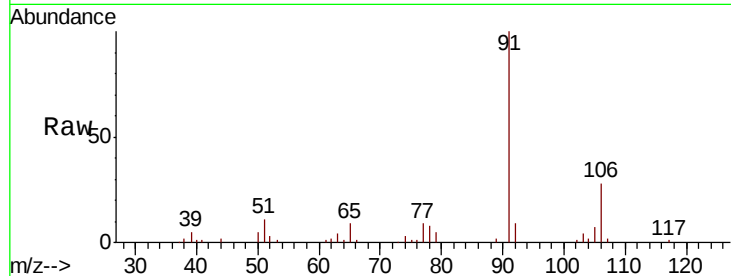
#67
Ethyl Benzene
Concen: 2.715 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 91 Resp: 23158
Ion Ratio Lower Upper
91 100
106 28.4 23.9 35.9

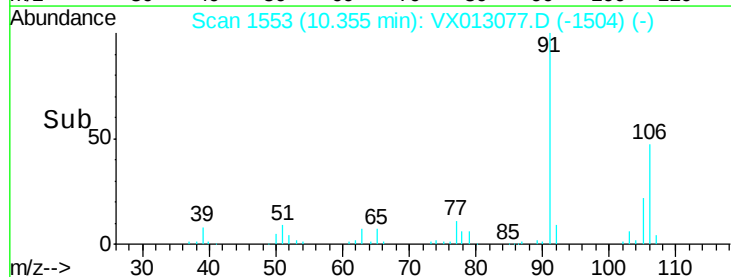
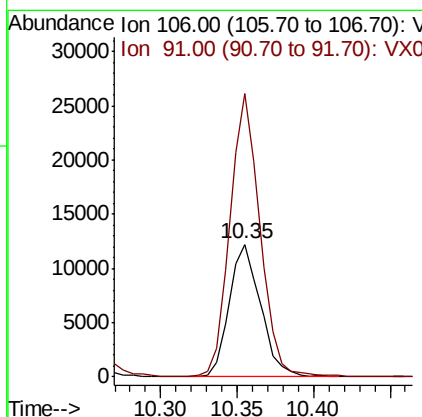
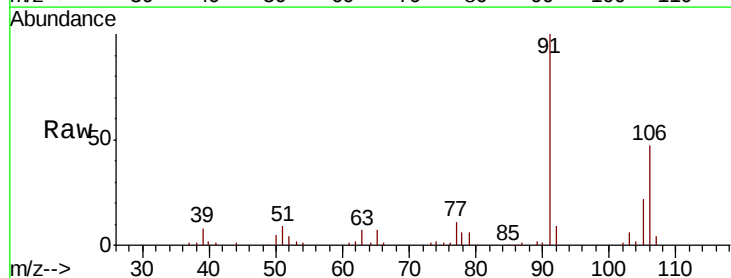
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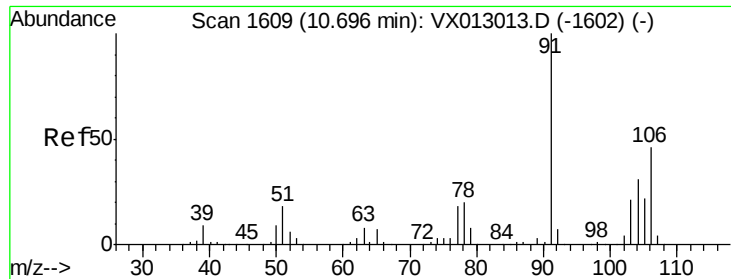
MMDadoda
10/16/2019 9:57:27 AM



#68
m/p-Xylenes
Concen: 5.463 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Tgt Ion: 106 Resp: 17407
Ion Ratio Lower Upper
106 100
91 204.1 165.3 247.9





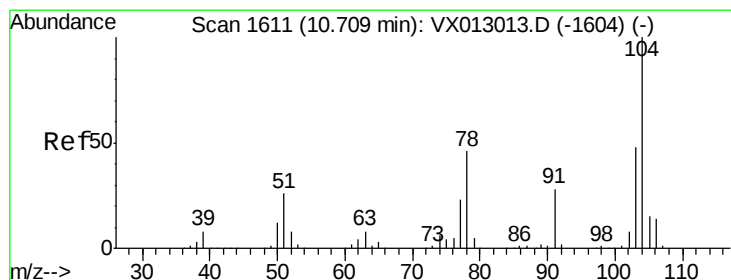
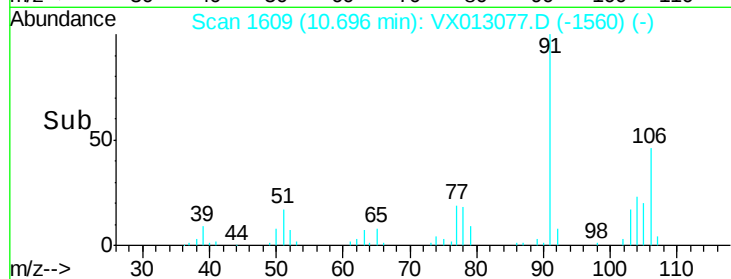
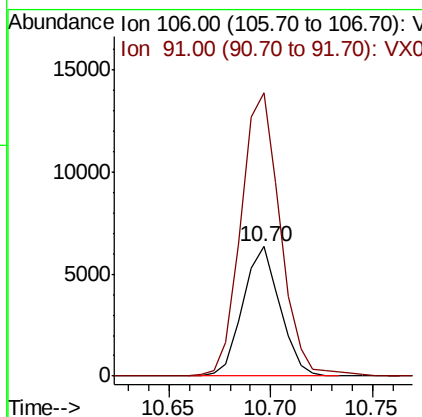
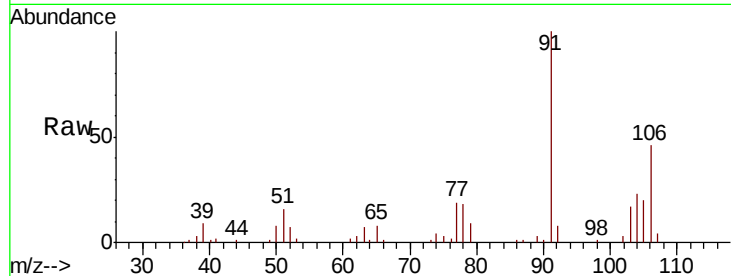
#69
o-Xylene
Concen: 2.586 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion:106 Resp: 8036
Ion Ratio Lower Upper
106 100
91 231.6 109.1 327.3

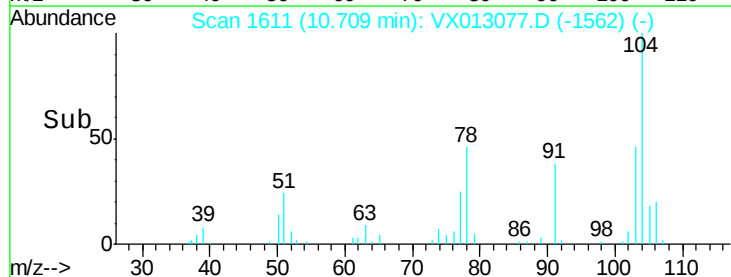
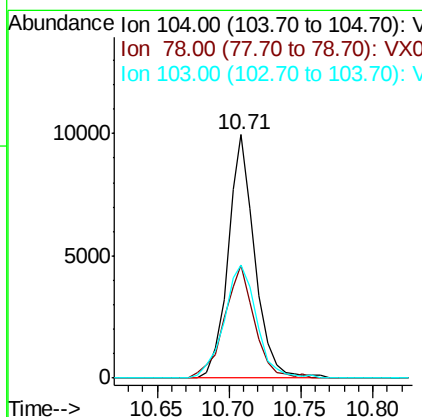
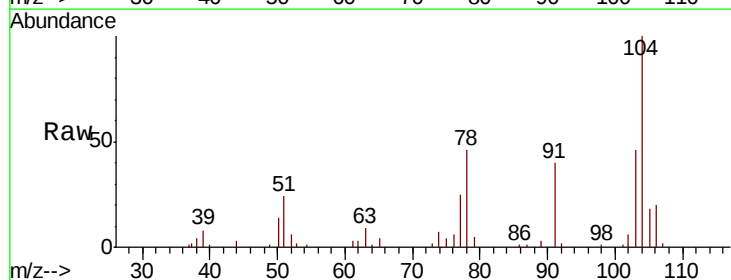
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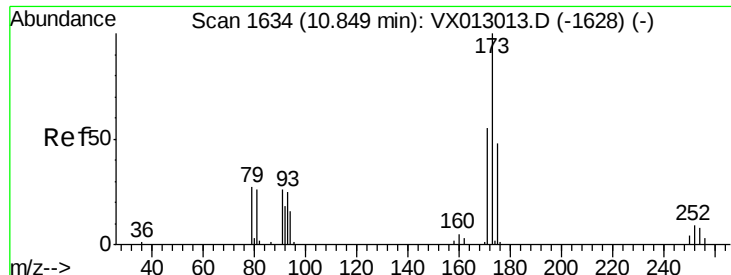
MMDadoda
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#70
Styrene
Concen: 2.449 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Tgt Ion:104 Resp: 12938
Ion Ratio Lower Upper
104 100
78 52.5 41.2 61.8
103 57.0 43.0 64.4





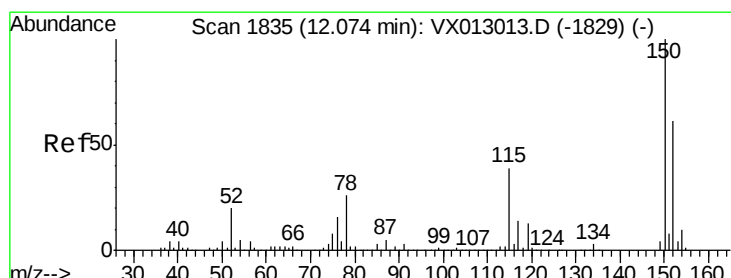
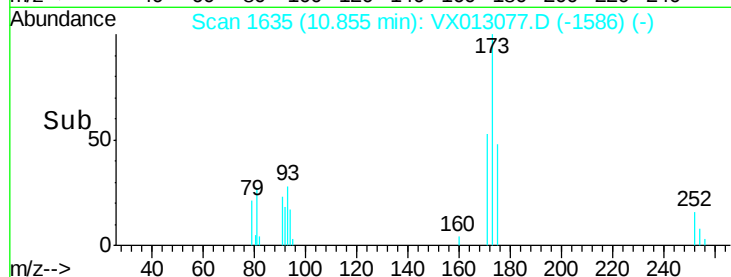
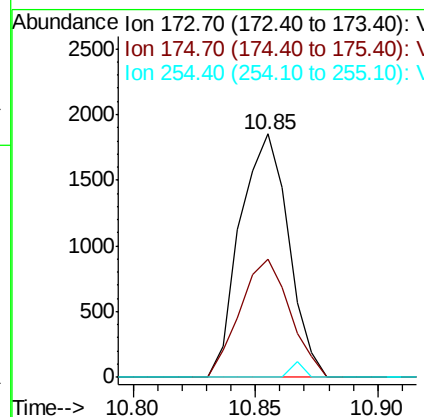
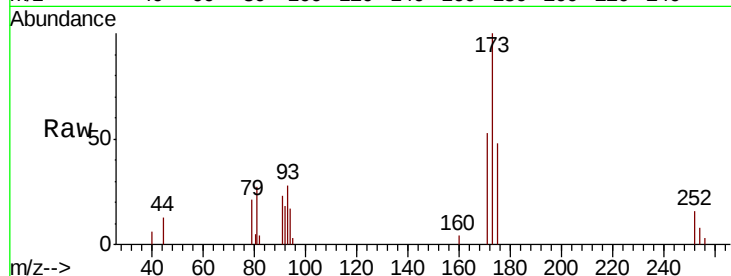
#71
Bromoform
Concen: 2.128 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.3	24.1	72.3
254	1.8	0.1	0.1#

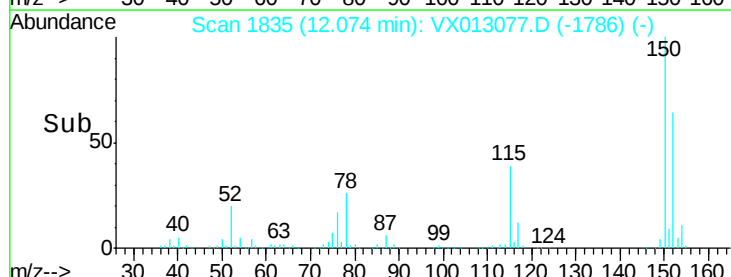
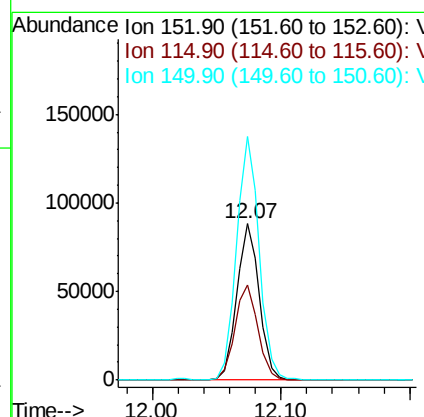
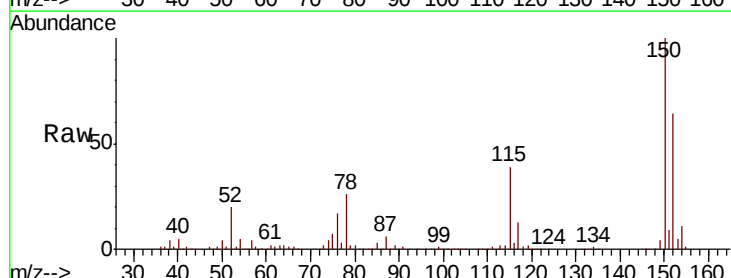
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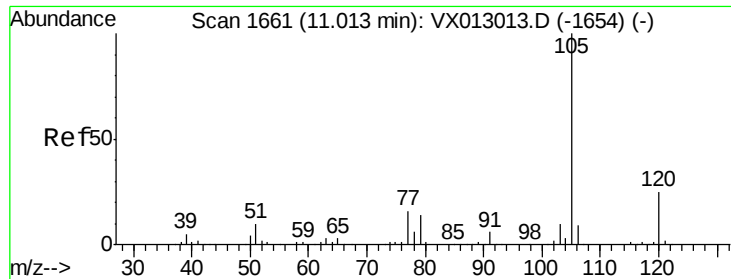
MMDadoda
10/16/2019 9:57:27 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.8	44.5	133.5
150	157.3	0.0	353.4





#73

Isopropylbenzene

Concen: 2.659 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 105 Resp: 20936

Ion Ratio Lower Upper

105 100

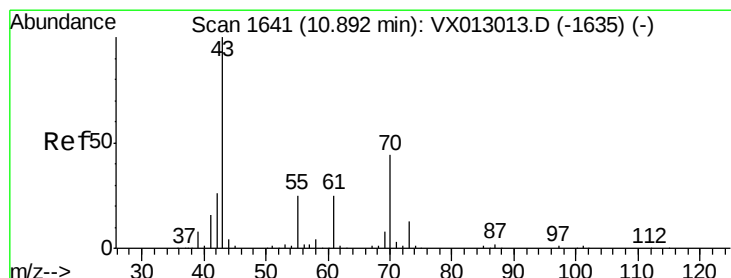
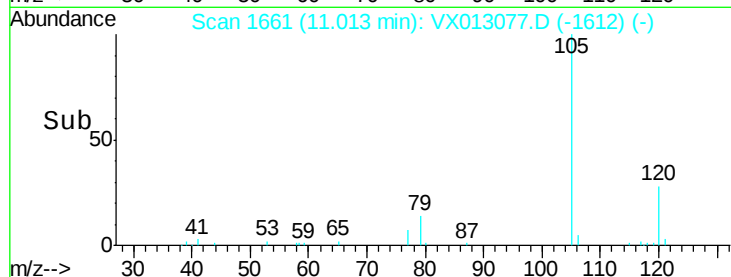
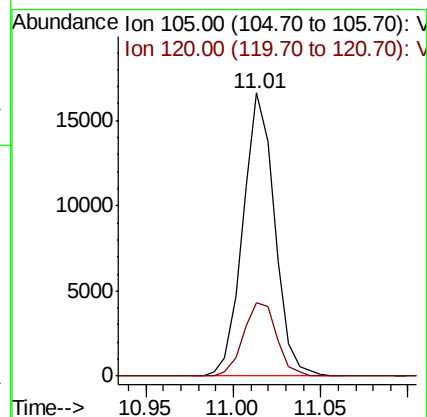
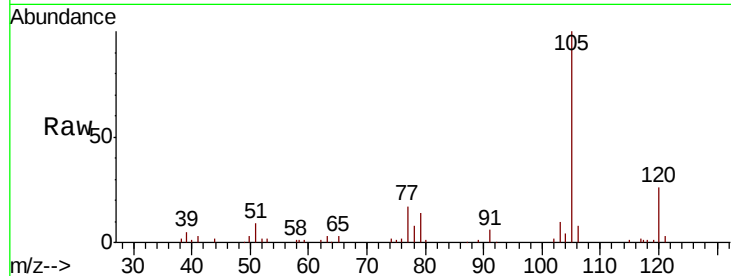
120 27.3 13.0 39.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 2.217 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Tgt Ion: 43 Resp: 7517

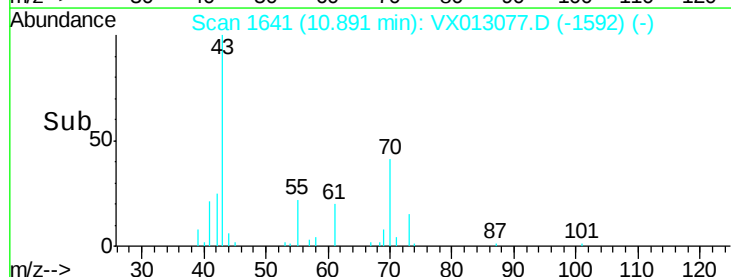
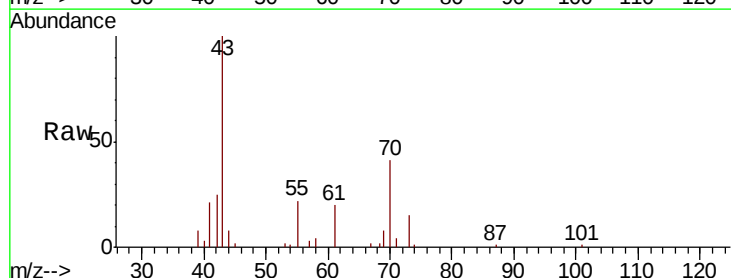
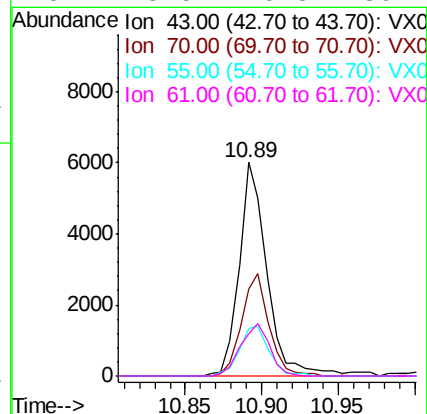
Ion Ratio Lower Upper

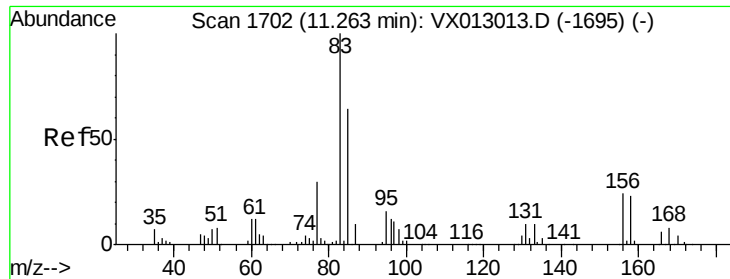
43 100

70 47.3 36.4 54.6

55 25.2 20.2 30.2

61 25.5 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 2.790 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Instrument :

MSVOA_X

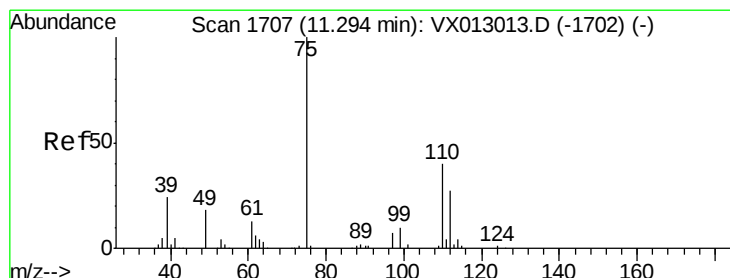
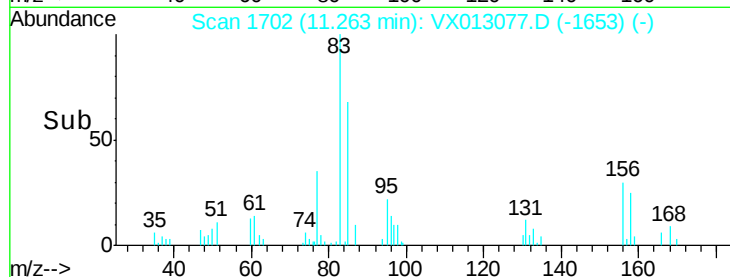
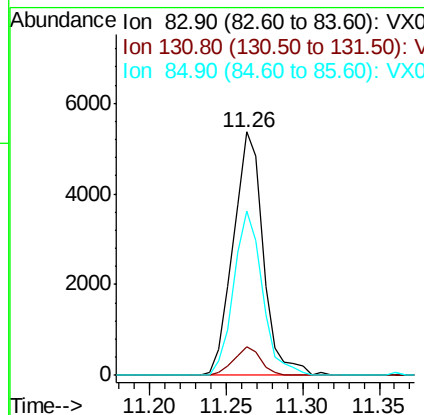
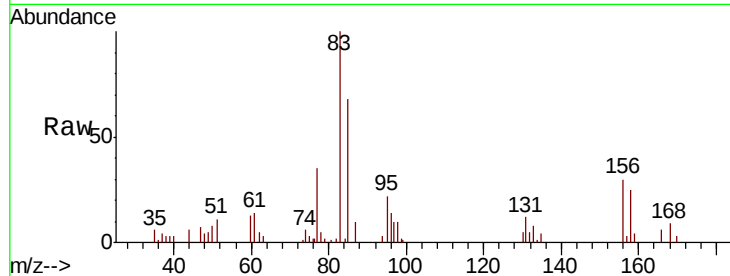
ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

Tot Ion	Ratio	Resp	Lower	Upper
83	100	7306		
131	10.6		5.1	15.3
85	64.6		32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 2.837 ug/l m

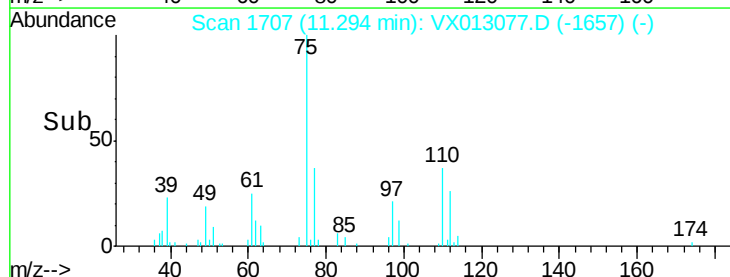
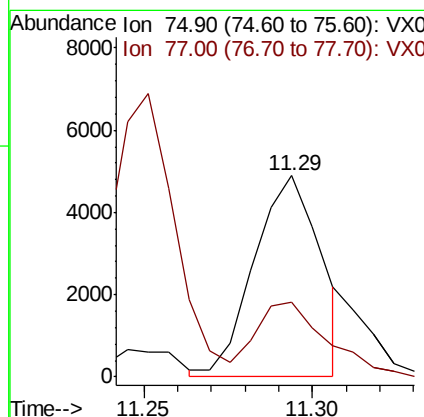
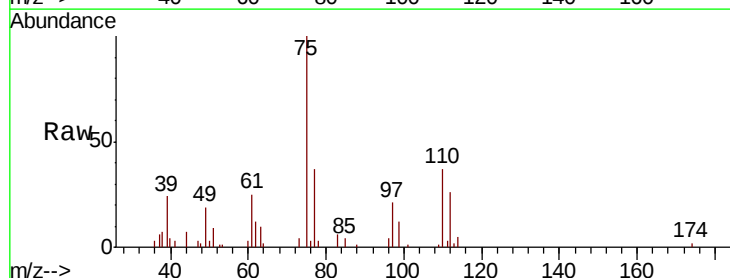
RT: 11.29 min Scan# 1707

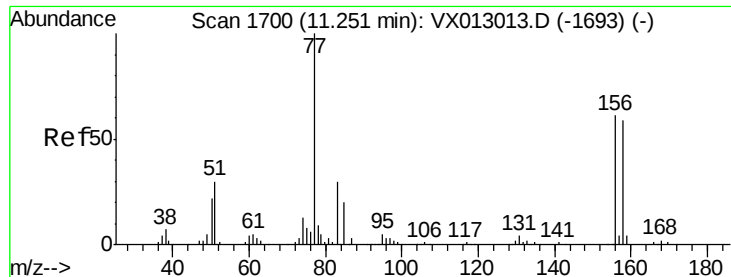
Delta R.T. 0.01 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	6738		
77	39.9		22.9	68.8





#77

Bromobenzene

Concen: 3.116 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Instrument :

MSVOA_X

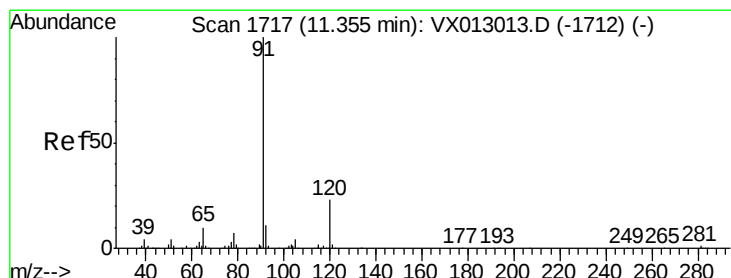
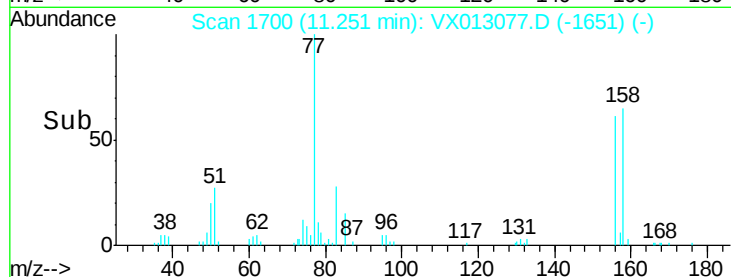
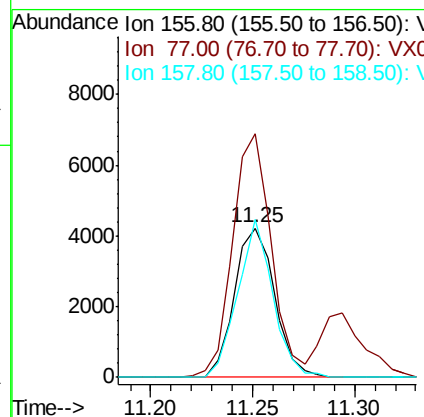
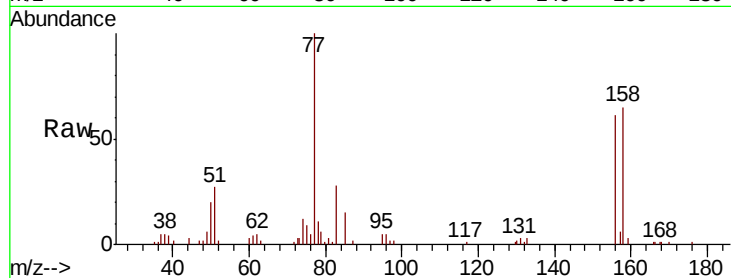
ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

Tot Ion	Ratio	Lower	Upper
156	100		
77	156.1	83.7	251.0
158	91.6	48.6	145.9

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#78

n-propylbenzene

Concen: 2.616 ug/l

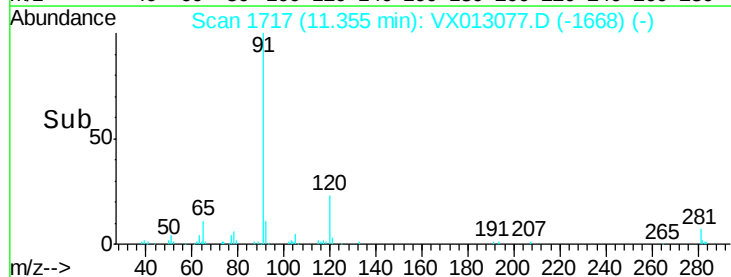
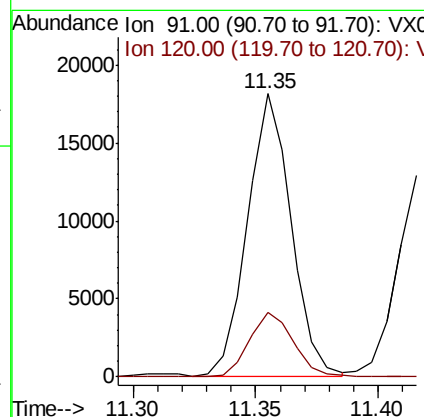
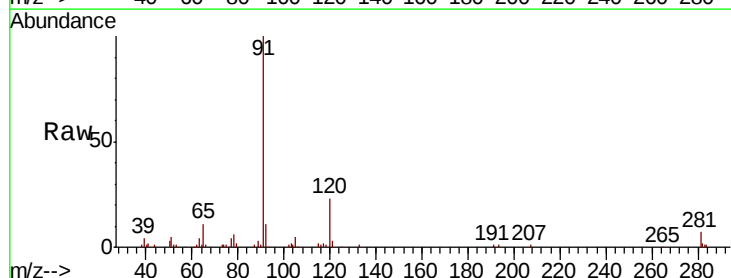
RT: 11.35 min Scan# 1717

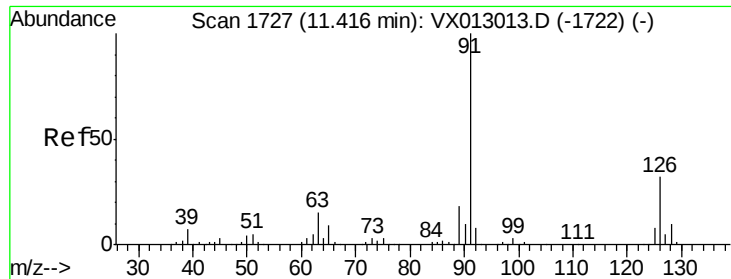
Delta R.T. -0.00 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.7	35.1





#79

2-Chlorotoluene

Concen: 2.892 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

Tot Ion: 91 Resp: 15747

Ion Ratio Lower Upper

91 100

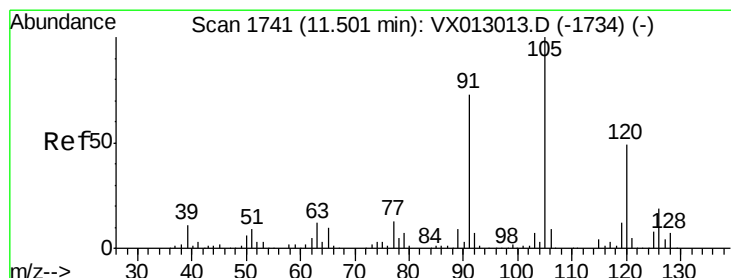
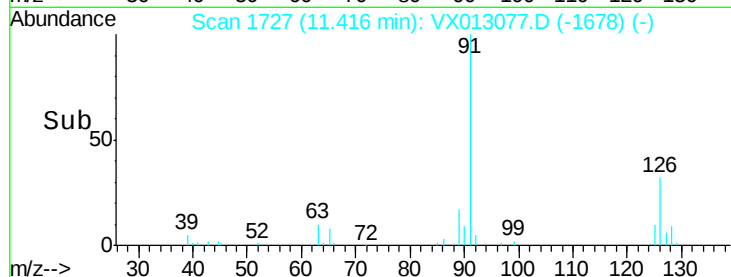
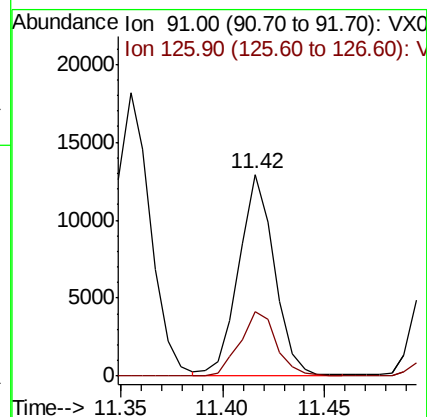
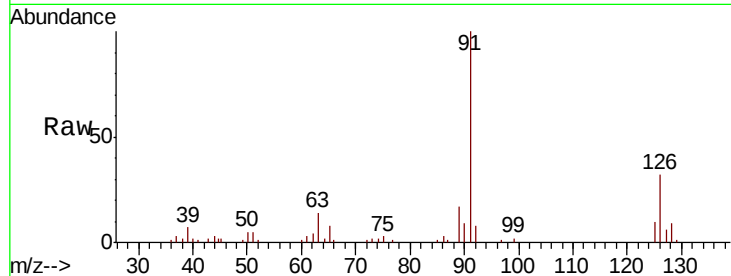
126 32.3 16.3 48.8

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#80

1,3,5-Trimethylbenzene

Concen: 2.759 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013077.D

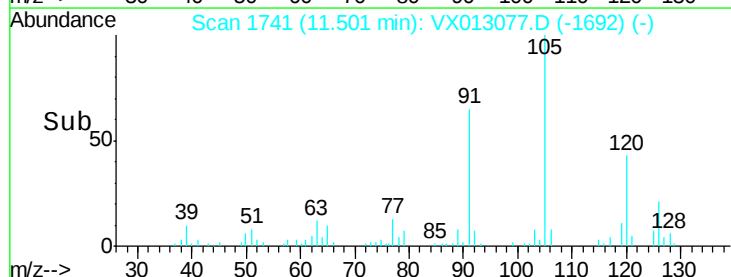
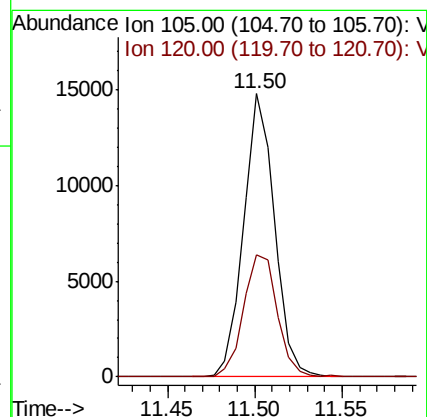
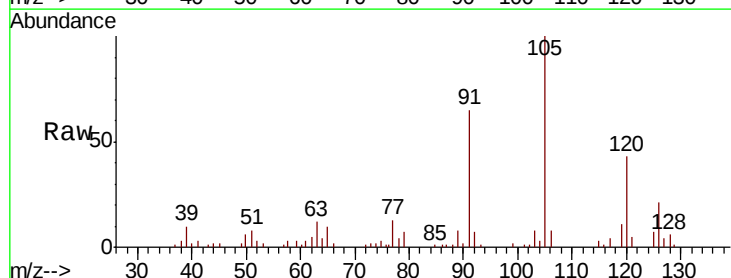
Acq: 15 Oct 2019 14:54

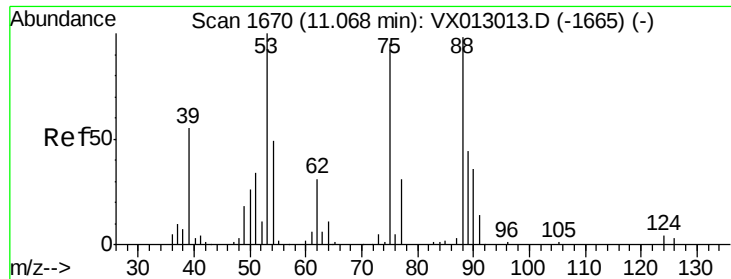
Tgt Ion: 105 Resp: 18140

Ion Ratio Lower Upper

105 100

120 47.2 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 1.780 ug/l m

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Instrument :

MSVOA_X

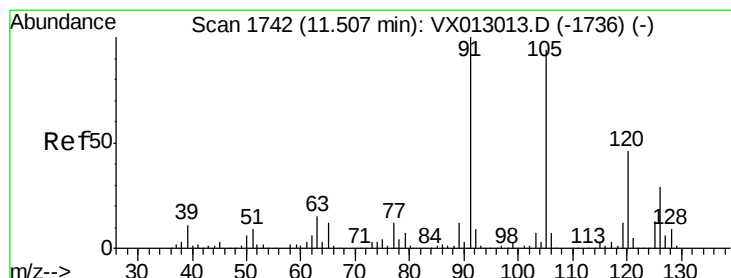
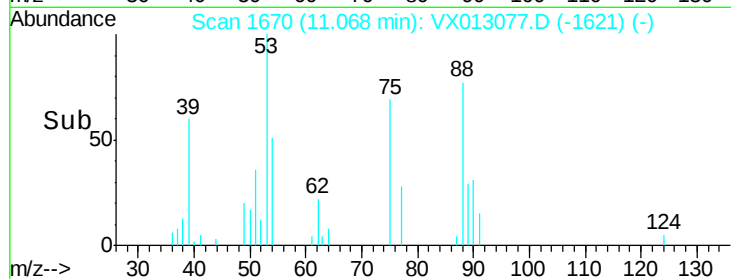
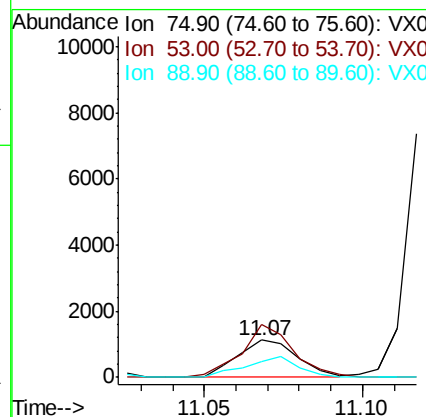
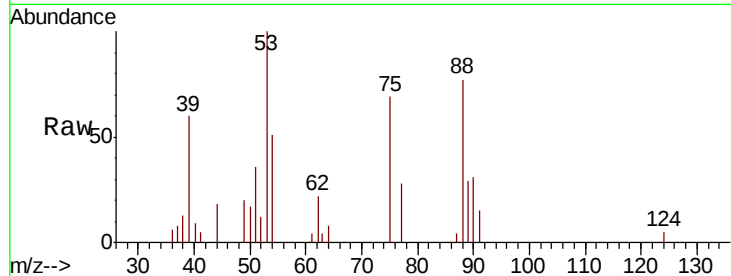
ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

Tot Ion:	75	Resp:	1494
Ion Ratio	Lower	Upper	
75	100		
53	0.0	78.5	117.7#
89	4.1	37.4	56.2#

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#82

4-Chlorotoluene

Concen: 2.631 ug/l

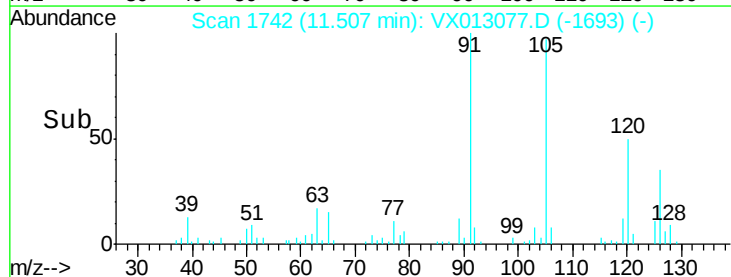
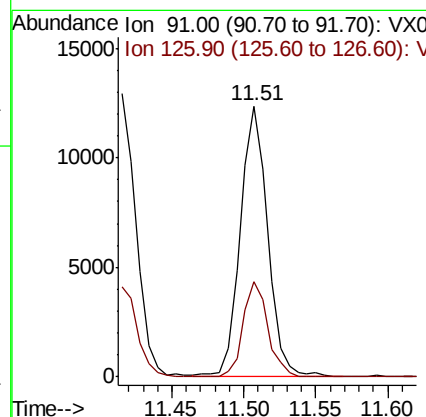
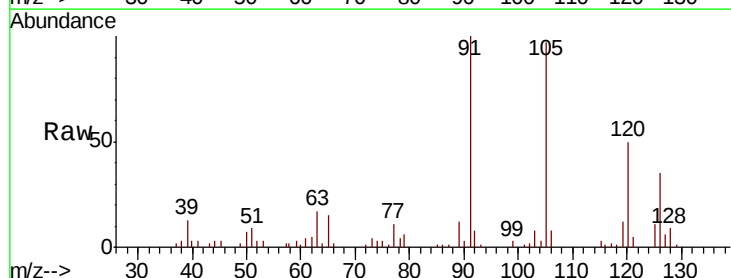
RT: 11.51 min Scan# 1742

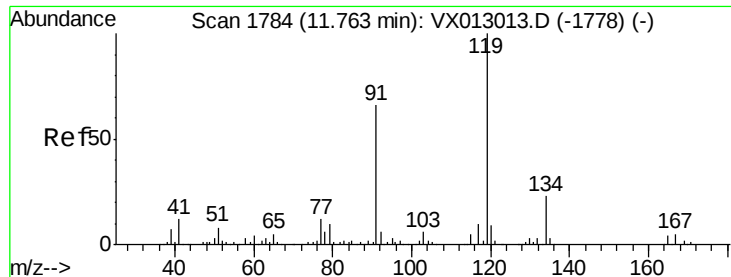
Delta R.T. -0.00 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Tgt Ion:	91	Resp:	16420
Ion Ratio	Lower	Upper	
91	100		
126	31.6	14.2	42.6





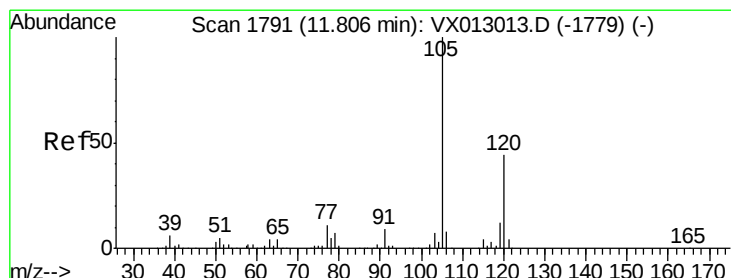
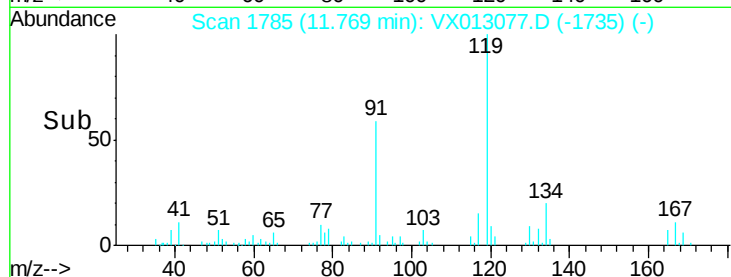
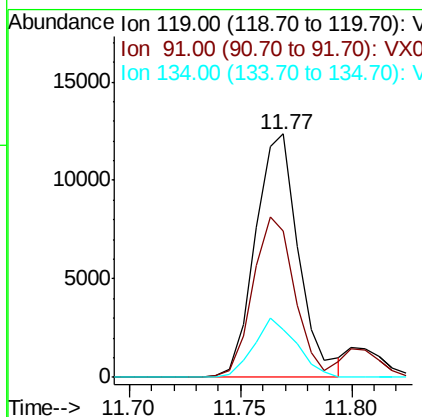
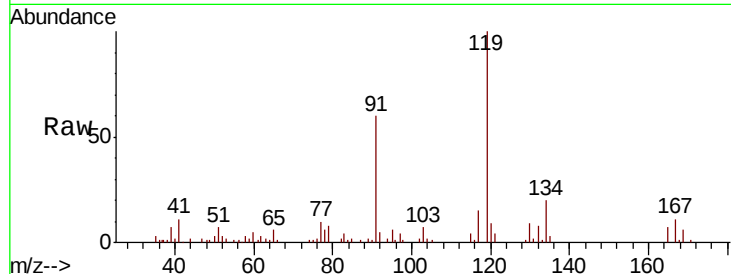
#83
tert-Butylbenzene
Concen: 2.612 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion	Ratio	Resp	Lower	Upper
119	100	16752		
91	63.4	29.3	87.9	
134	23.8	11.5	34.4	

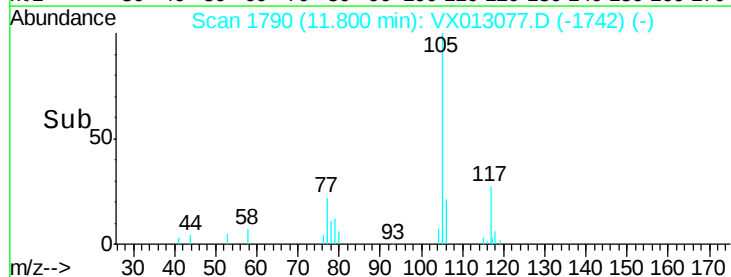
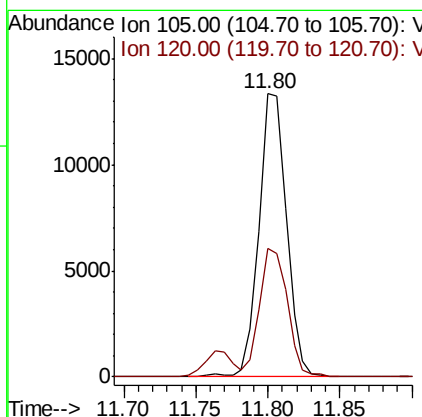
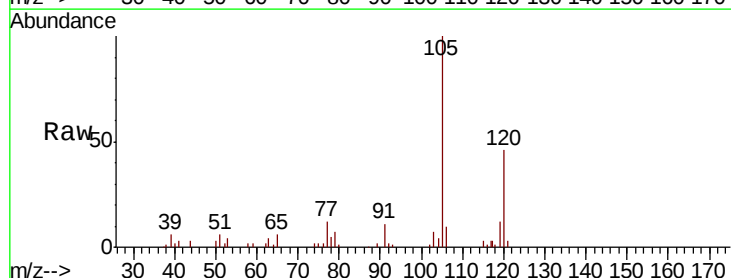
Manual Integrations
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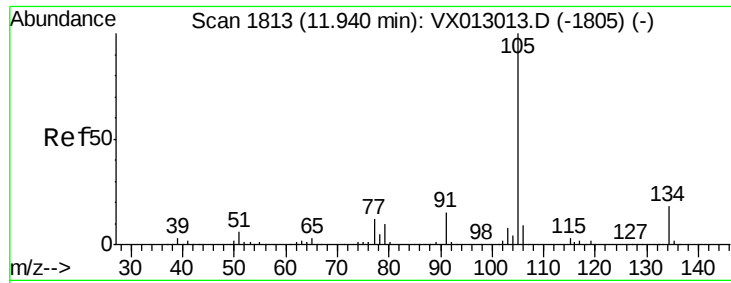
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 2.654 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	17674		
120	45.8	21.8	65.3	





#85

sec-Butylbenzene

Concen: 2.664 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

Instrument :

MSVOA_X

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019DL

Tot Ion:105 Resp: 19797

Ion Ratio Lower Upper

105 100

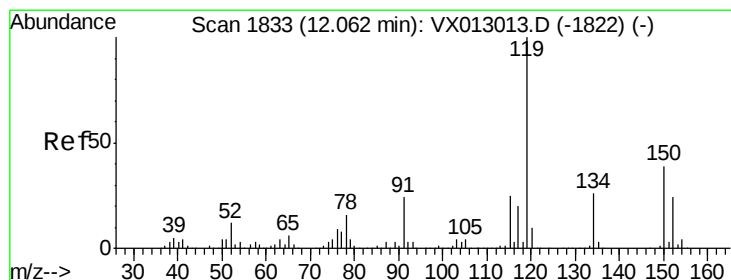
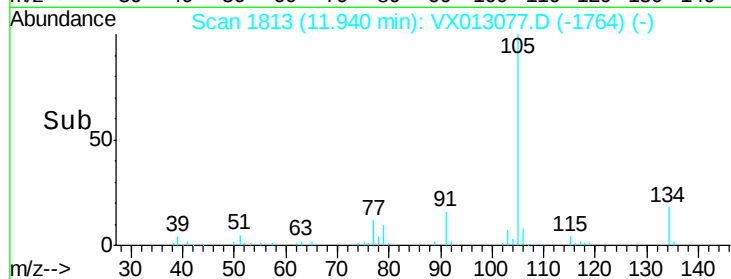
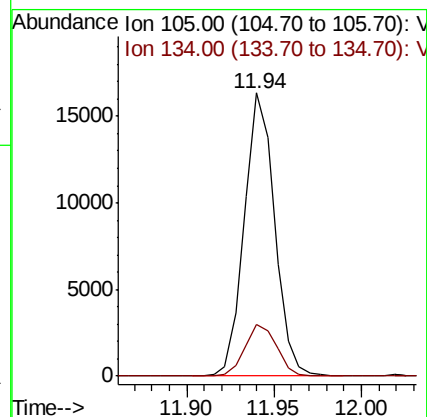
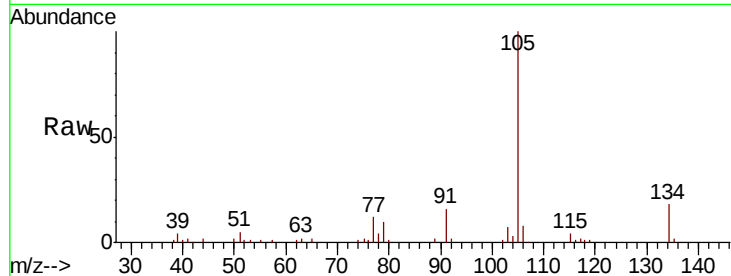
134 19.1 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 2.523 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX013077.D

Acq: 15 Oct 2019 14:54

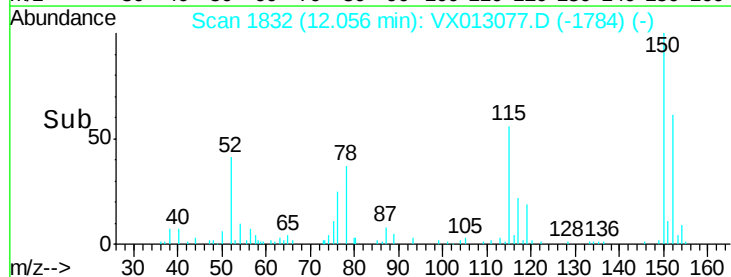
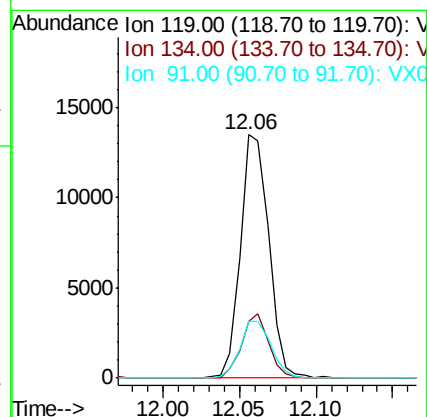
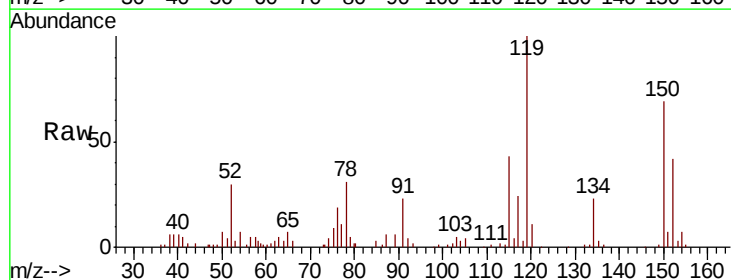
Tgt Ion:119 Resp: 17388

Ion Ratio Lower Upper

119 100

134 25.0 12.6 37.8

91 25.6 12.4 37.4





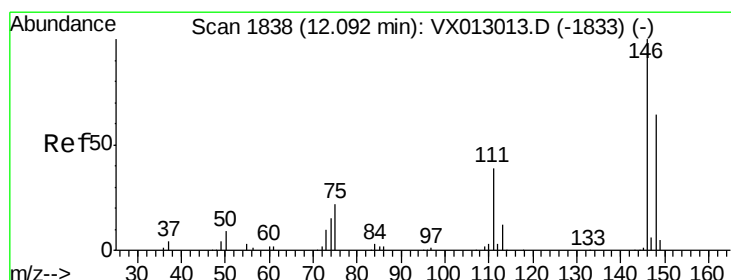
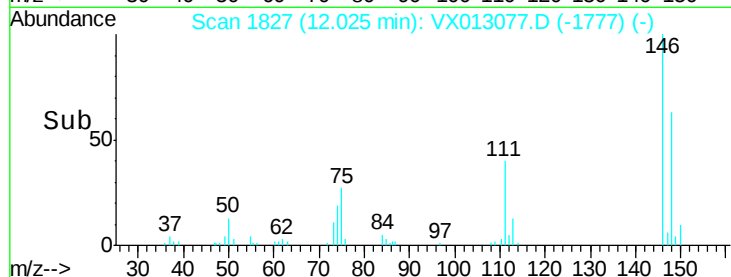
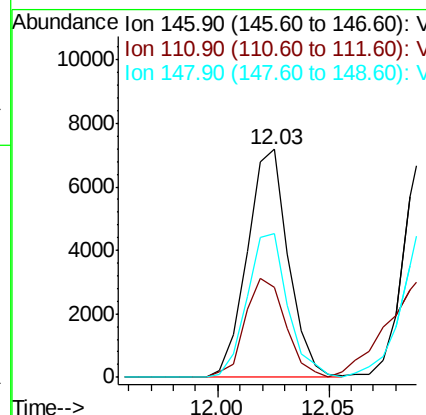
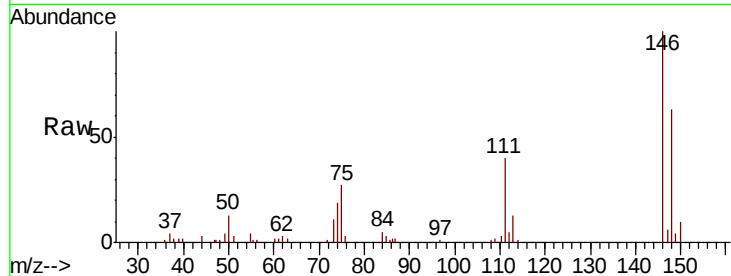
#87
 1,3-Dichlorobenzene
 Concen: 2.695 ug/l
 RT: 12.03 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: VX013077.D
 Acq: 15 Oct 2019 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019DL

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.1	63.4
148	62.3	31.6	95.0

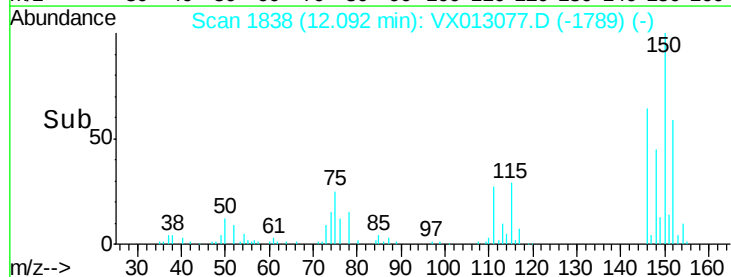
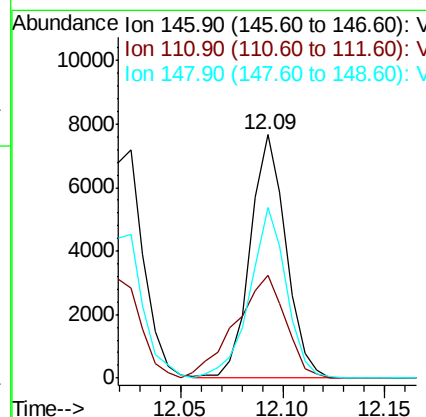
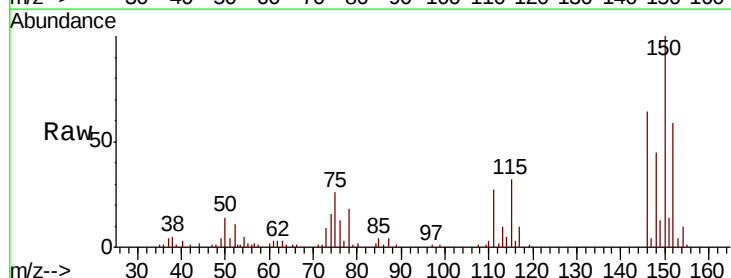
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#88
 1,4-Dichlorobenzene
 Concen: 2.675 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013077.D
 Acq: 15 Oct 2019 14:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	59.1	21.4	64.3
148	72.0	32.1	96.5





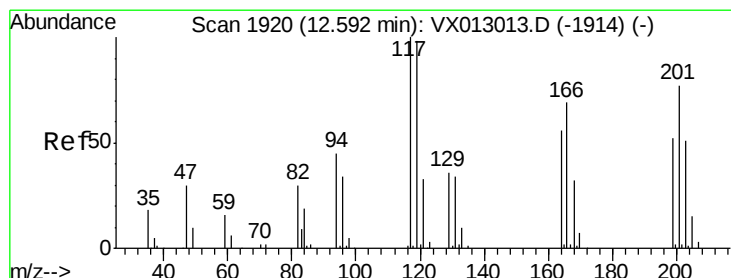
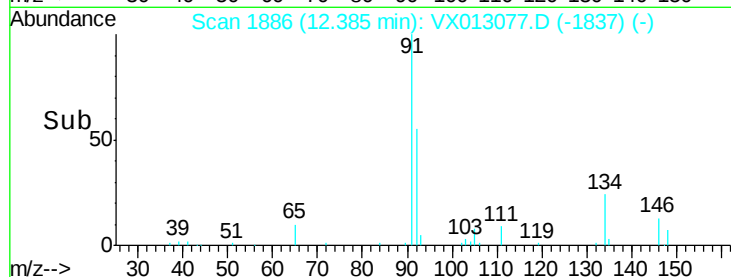
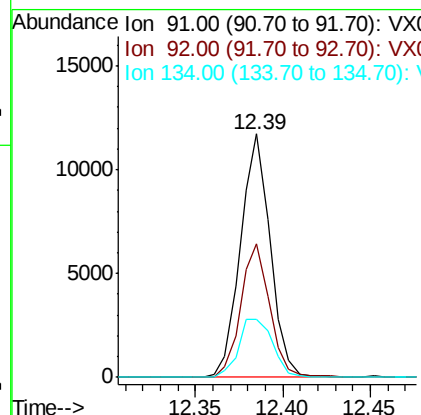
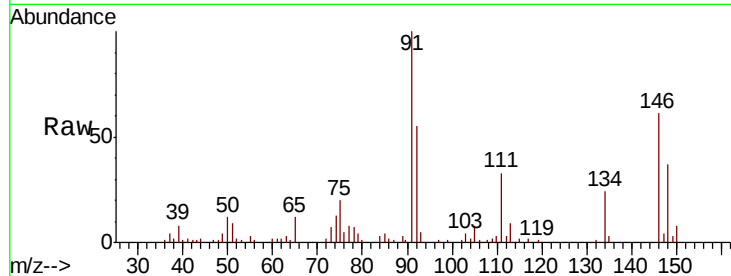
#89
n-Butylbenzene
Concen: 2.388 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.5	82.5
134	27.6	12.9	38.7

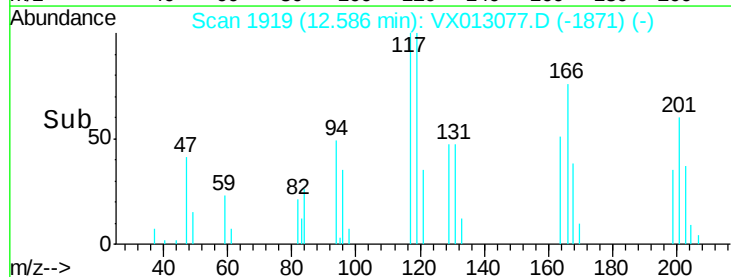
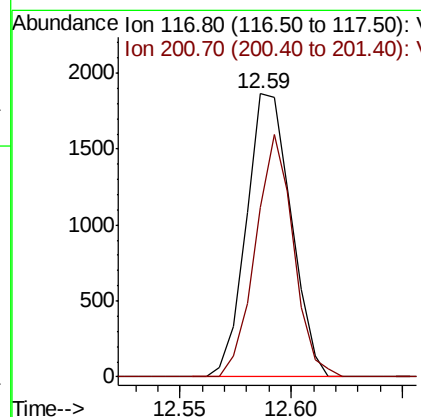
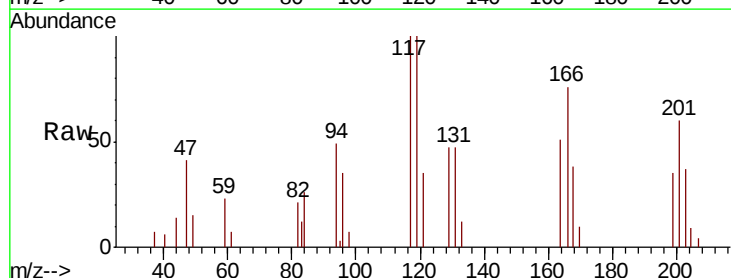
Manual Integrations
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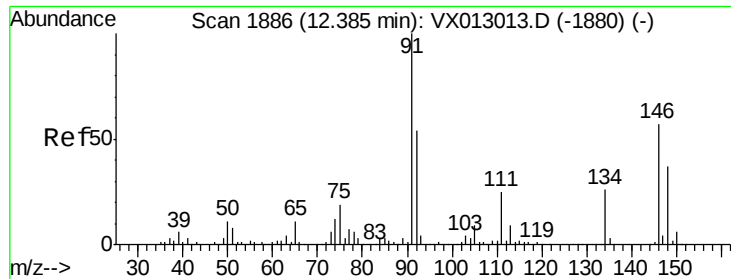
MMDadoda
10/16/2019 9:57:27 AM



#90
Hexachloroethane
Concen: 2.344 ug/l
RT: 12.59 min Scan# 1919
Delta R.T. -0.01 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.6	36.9	110.7





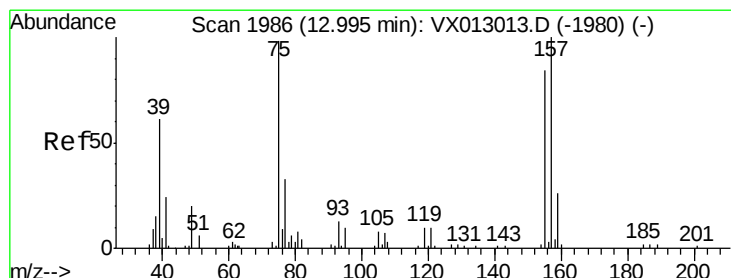
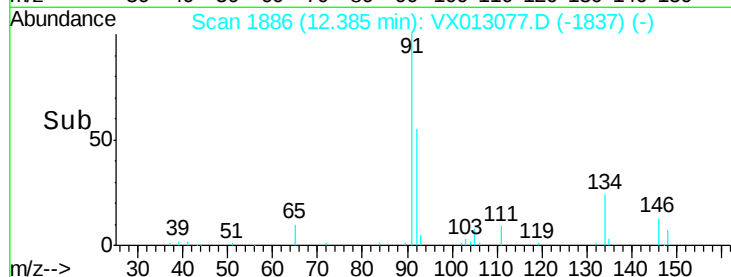
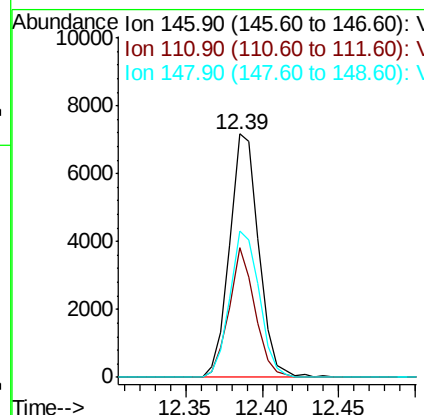
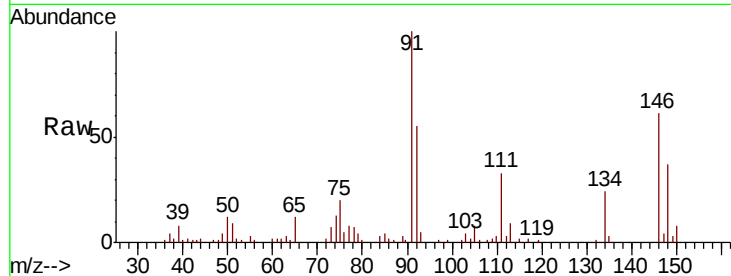
#91
 1,2-Dichlorobenzene
 Concen: 2.809 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013077.D
 Acq: 15 Oct 2019 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019DL

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.2	22.7	68.0
148	60.6	31.6	94.7

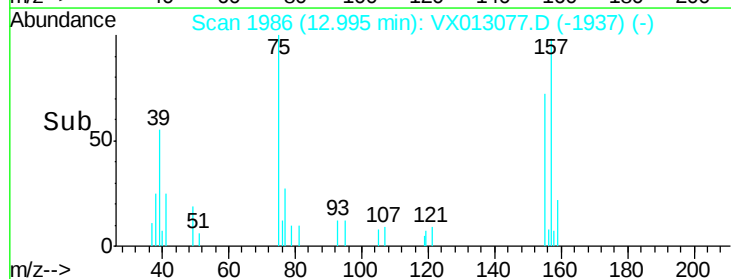
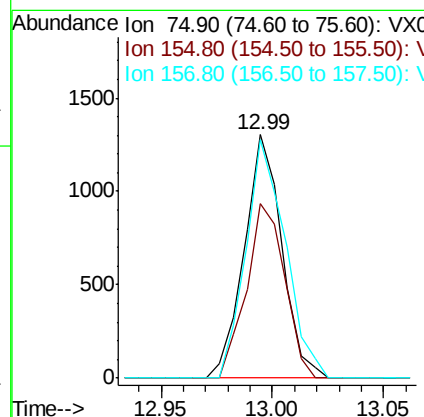
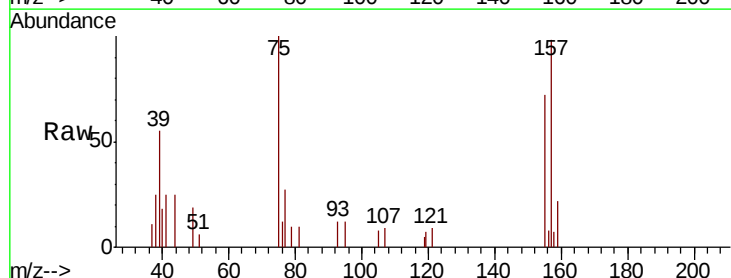
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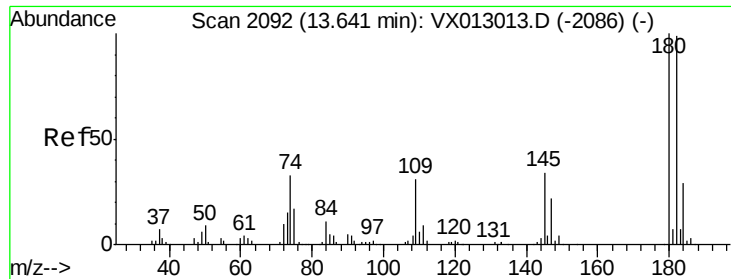
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.501 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013077.D
 Acq: 15 Oct 2019 14:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.9	43.0	128.8
157	103.0	54.1	162.3





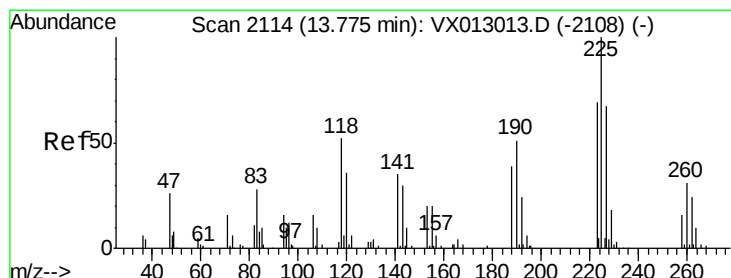
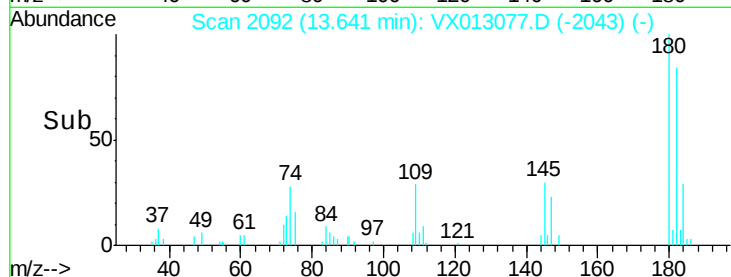
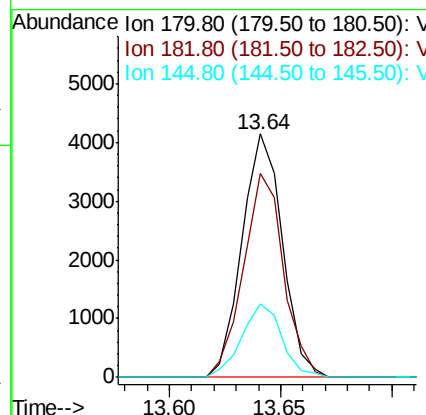
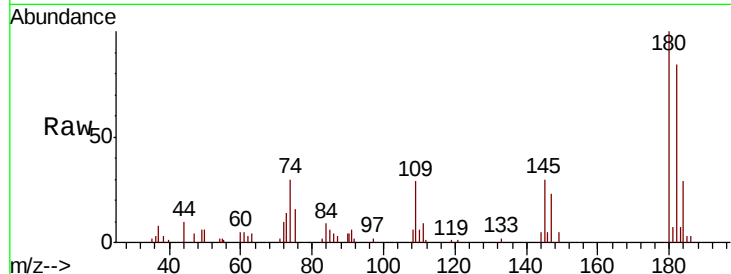
#93
 1,2,4-Trichlorobenzene
 Concen: 2.475 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013077.D
 Acq: 15 Oct 2019 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	83.4	46.8	140.4
145	30.2	16.2	48.6

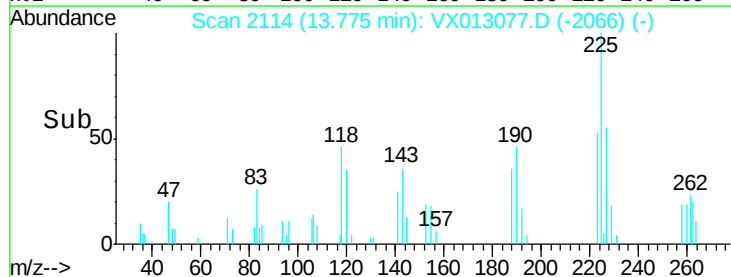
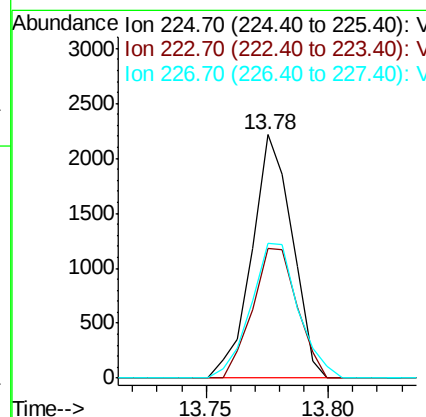
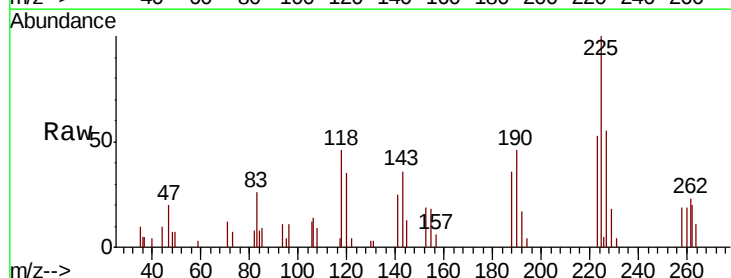
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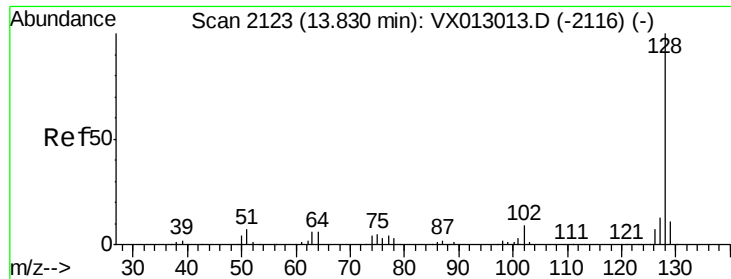
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#94
 Hexachlorobutadiene
 Concen: 2.603 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX013077.D
 Acq: 15 Oct 2019 14:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.0	31.1	93.2
227	64.7	32.3	96.9





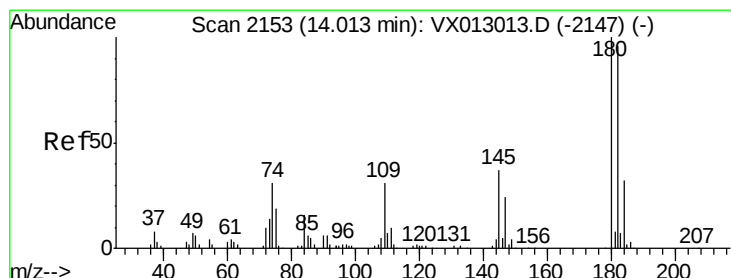
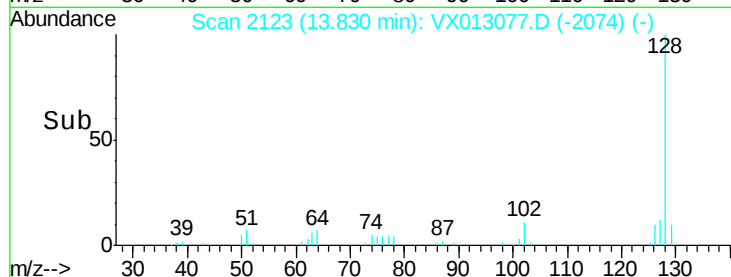
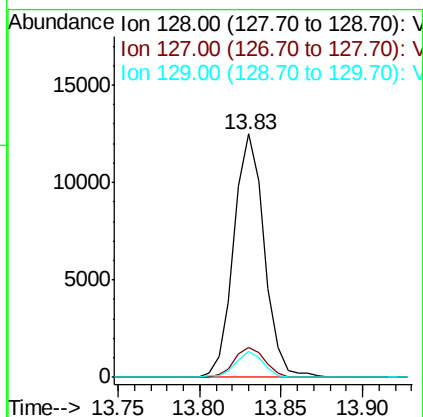
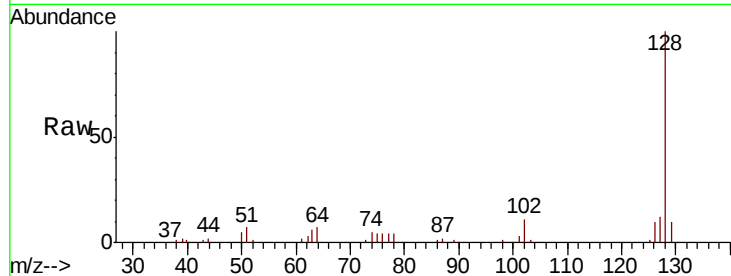
#95
Naphthalene
Concen: 2.216 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Instrument :
MSVOA_X
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.4
129	9.7	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 2.359 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.01 min
Lab File: VX013077.D
Acq: 15 Oct 2019 14:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.5	142.5
145	39.5	17.4	52.3

