

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080819\
 Data File : VX011382.D
 Acq On : 08 Aug 2019 11:21
 Operator : JC/SP
 Sample : VX0808WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/9/2019 11:07:59 AM

Quant Time: Aug 09 04:35:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	166761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	242860	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	224328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	117960	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	87778	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
35) Dibromofluoromethane	5.49	113	76488	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
50) Toluene-d8	8.71	98	287309	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	
62) 4-Bromofluorobenzene	11.13	95	103659	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	22582	17.533	ug/l	98
3) Chloromethane	1.32	50	24280	16.787	ug/l	97
4) Vinyl Chloride	1.40	62	26807	16.850	ug/l	96
5) Bromomethane	1.63	94	19605	17.278	ug/l	94
6) Chloroethane	1.71	64	17906	16.421	ug/l	100
7) Trichlorofluoromethane	1.93	101	50121	17.718	ug/l	98
8) Diethyl Ether	2.18	74	17087	16.916	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	27889	18.221	ug/l	98
10) Methyl Iodide	2.50	142	29304	15.186	ug/l	98
11) Tert butyl alcohol	3.03	59	29714	88.745	ug/l	97
12) 1,1-Dichloroethene	2.37	96	26366	17.377	ug/l	91
13) Acrolein	2.29	56	16878	80.814	ug/l	96
14) Allyl chloride	2.72	41	38122	18.847	ug/l	97
15) Acrylonitrile	3.13	53	74511	93.239	ug/l	99
16) Acetone	2.43	43	71091	88.936	ug/l	95
17) Carbon Disulfide	2.56	76	59046	16.584	ug/l	98
18) Methyl Acetate	2.76	43	33107	18.124	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	82744	18.506	ug/l	94
20) Methylene Chloride	2.85	84	30252	17.281	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	28034	17.467	ug/l	90
22) Diisopropyl ether	3.85	45	82053	18.457	ug/l	97
23) Vinyl Acetate	3.81	43	352451	95.588	ug/l	99
24) 1,1-Dichloroethane	3.69	63	47715	18.202	ug/l	96
25) 2-Butanone	4.66	43	101773	89.504	ug/l	96
26) 2,2-Dichloropropane	4.57	77	38225	18.759	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	33195	17.956	ug/l	97
28) Bromochloromethane	5.01	49	23312	19.507	ug/l	96
29) Tetrahydrofuran	5.12	42	62923	90.252	ug/l	99
30) Chloroform	5.20	83	53390	18.739	ug/l	93
31) Cyclohexane	5.57	56	38470	17.788	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	45811	18.770	ug/l	98
36) 1,1-Dichloropropene	5.79	75	37350	17.615	ug/l	98
37) Ethyl Acetate	4.82	43	38071	17.900	ug/l	98
38) Carbon Tetrachloride	5.77	117	39746	18.632	ug/l	96

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

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Manual Integrations
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MMDadoda
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Quant Time: Aug 09 04:35:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	43007	17.111	ug/l	97
40) Benzene	6.13	78	112720	17.815	ug/l	95
41) Methacrylonitrile	5.04	41	20753	17.866	ug/l	98
42) 1,2-Dichloroethane	6.18	62	41770	19.522	ug/l	99
43) Isopropyl Acetate	6.43	43	60358	17.750	ug/l	99
44) Trichloroethene	7.21	130	33613	17.550	ug/l	98
45) 1,2-Dichloropropane	7.51	63	29355	17.914	ug/l	96
46) Dibromomethane	7.65	93	21399	17.888	ug/l	98
47) Bromodichloromethane	7.89	83	38097	18.810	ug/l	98
48) Methyl methacrylate	7.76	41	29936	18.707	ug/l	97
49) 1,4-Dioxane	7.73	88	15730	339.053	ug/l	93
51) 4-Methyl-2-Pentanone	8.63	43	205343	93.571	ug/l	98
52) Toluene	8.78	92	75850	18.131	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	38188	18.109	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	42777	18.081	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	31183	18.129	ug/l	98
56) Ethyl methacrylate	9.17	69	44035	17.965	ug/l	96
57) 1,3-Dichloropropane	9.37	76	50213	18.459	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	115516	95.846	ug/l	98
59) 2-Hexanone	9.49	43	158159	93.046	ug/l	99
60) Dibromochloromethane	9.58	129	31827	18.073	ug/l	100
61) 1,2-Dibromoethane	9.66	107	33298	17.918	ug/l	97
64) Tetrachloroethene	9.34	164	34777	18.255	ug/l	93
65) Chlorobenzene	10.13	112	84788	17.628	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	31085	18.877	ug/l	99
67) Ethyl Benzene	10.25	91	145476	18.060	ug/l	98
68) m/p-Xylenes	10.35	106	112479	36.100	ug/l	98
69) o-Xylene	10.69	106	54387	17.765	ug/l	99
70) Styrene	10.71	104	92245	18.210	ug/l	99
71) Bromoform	10.85	173	22467	17.230	ug/l #	97
73) Isopropylbenzene	11.02	105	147567	18.291	ug/l	100
74) N-amyl acetate	10.90	43	54501	18.696	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	48730	18.125	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	41918m	19.513	ug/l	
77) Bromobenzene	11.25	156	40224	17.980	ug/l	97
78) n-propylbenzene	11.36	91	165513	18.448	ug/l	99
79) 2-Chlorotoluene	11.41	91	98175	18.359	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	124042	18.367	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	12115	18.223	ug/l	91
82) 4-Chlorotoluene	11.51	91	114288	18.339	ug/l	99
83) tert-Butylbenzene	11.77	119	122705	18.525	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	126764	18.853	ug/l	98
85) sec-Butylbenzene	11.94	105	147066	18.480	ug/l	99
86) p-Isopropyltoluene	12.06	119	132674	18.122	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	71802	18.165	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	70984	17.415	ug/l	97
89) n-Butylbenzene	12.38	91	113174	17.943	ug/l	99
90) Hexachloroethane	12.60	117	20026	18.502	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	70956	17.866	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	9696	18.615	ug/l	94

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS01

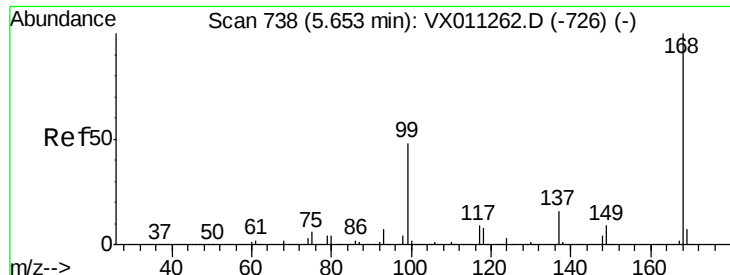
Manual Integrations
APPROVED

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8/9/2019 11:07:59 AM

Quant Time: Aug 09 04:35:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	46368	17.604	ug/l	97
94) Hexachlorobutadiene	13.78	225	24216	18.121	ug/l	97
95) Naphthalene	13.83	128	138510	17.982	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	48124	17.972	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBS01

Tot Ion:168 Resp: 166761

Ion Ratio Lower Upper

168 100

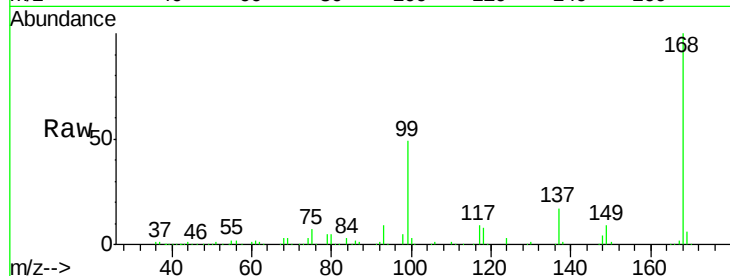
99 49.4 38.5 57.7

Manual Integrations

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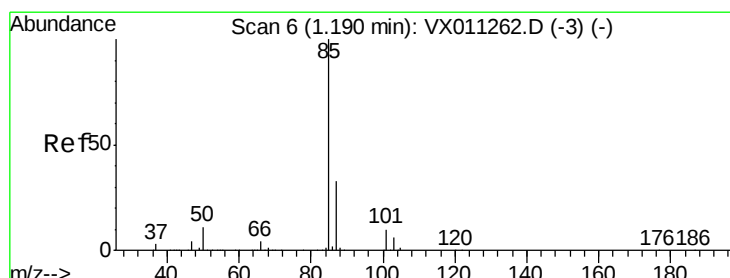
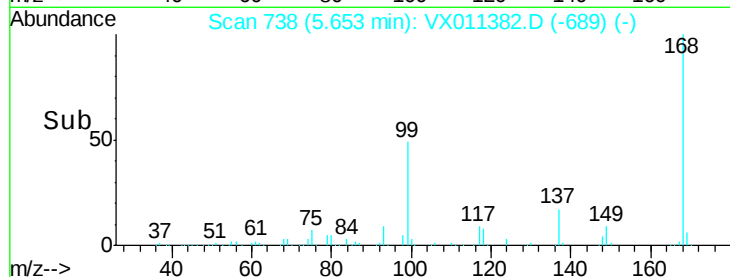
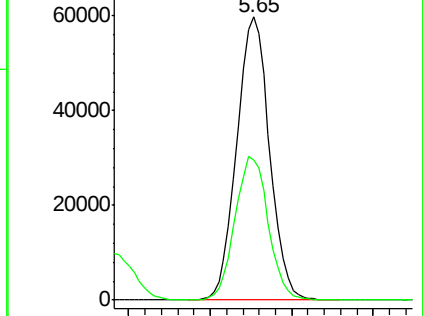
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.533 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011382.D

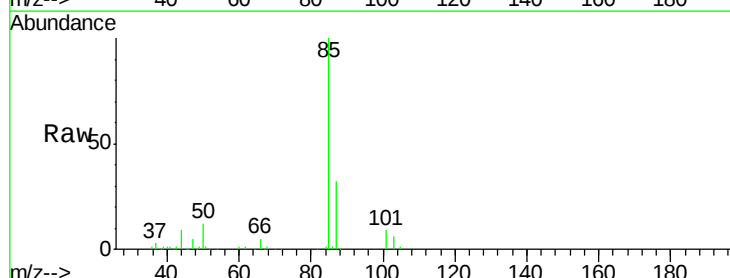
Acq: 08 Aug 2019 11:21

Tgt Ion: 85 Resp: 22582

Ion Ratio Lower Upper

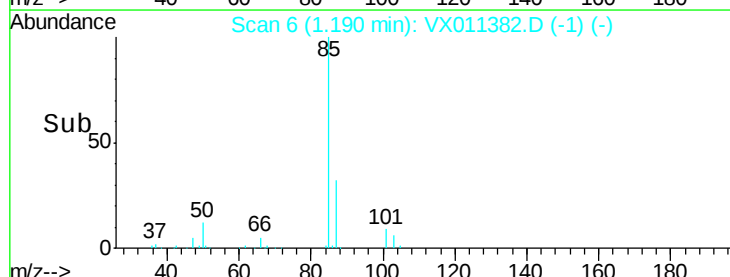
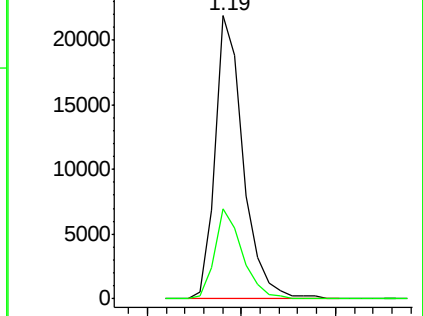
85 100

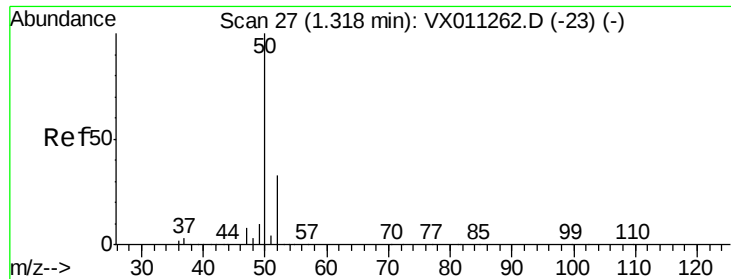
87 31.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 16.787 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Instrument :

MSVOA_X

ClientSampled :

VX0808WBS01

Tot Ion: 50 Resp: 24280

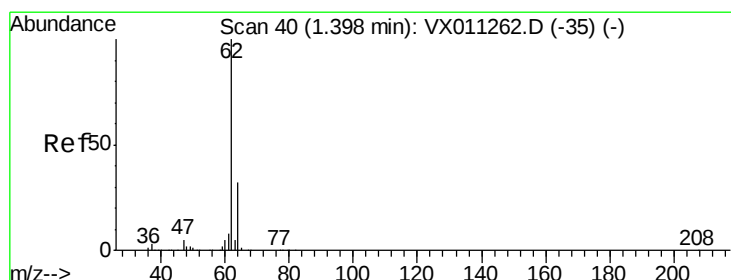
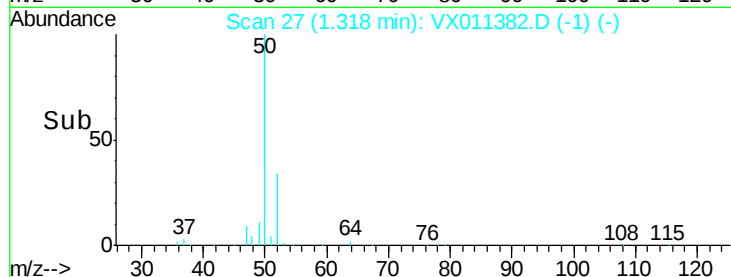
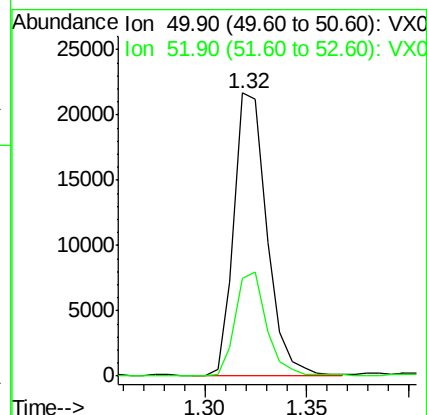
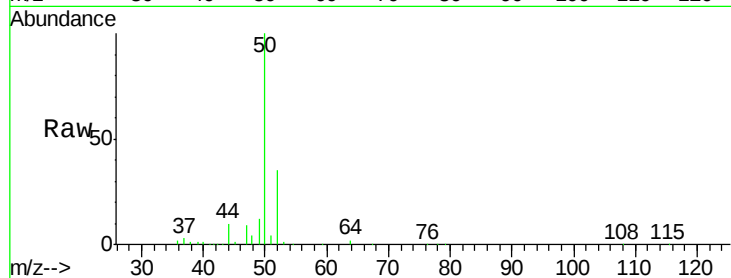
Ion Ratio Lower Upper

50 100

52 34.5 26.4 39.6

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#4

Vinyl Chloride

Concen: 16.850 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.01 min

Lab File: VX011382.D

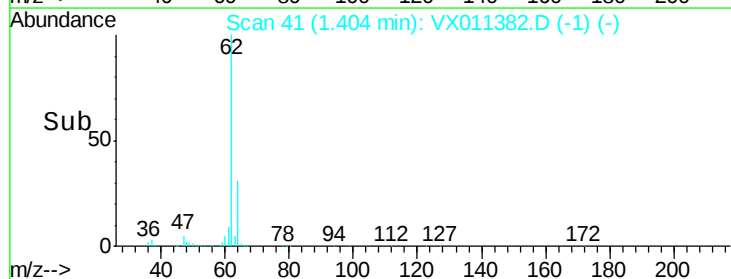
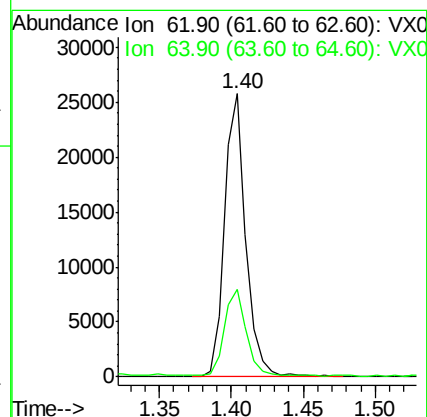
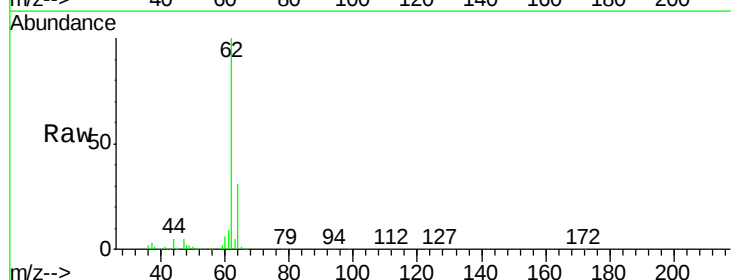
Acq: 08 Aug 2019 11:21

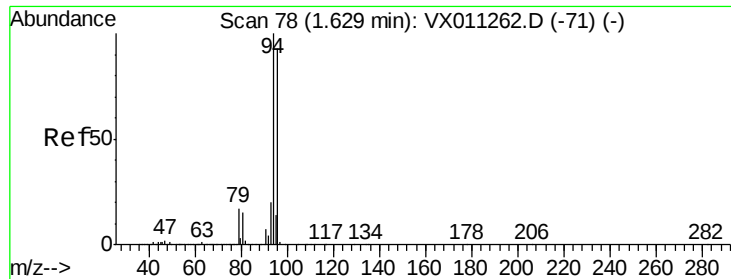
Tgt Ion: 62 Resp: 26807

Ion Ratio Lower Upper

62 100

64 30.4 26.0 39.0





#5

Bromomethane

Concen: 17.278 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBS01

Tot Ion: 94 Resp: 19605

Ion Ratio Lower Upper

94 100

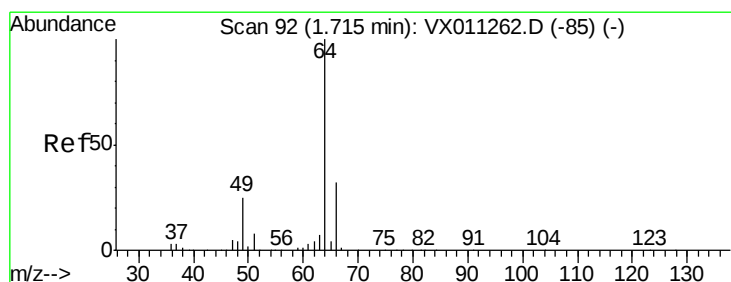
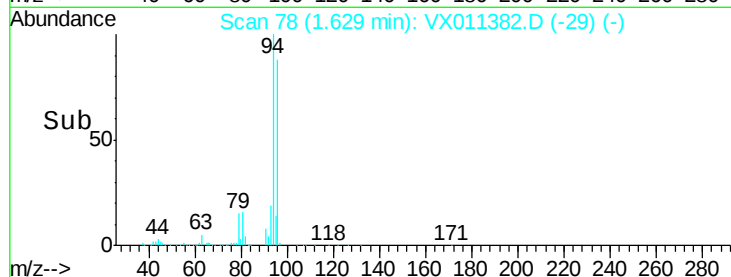
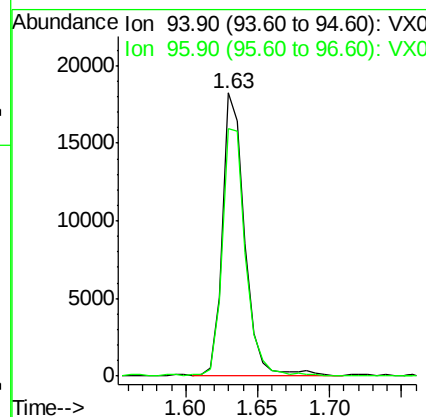
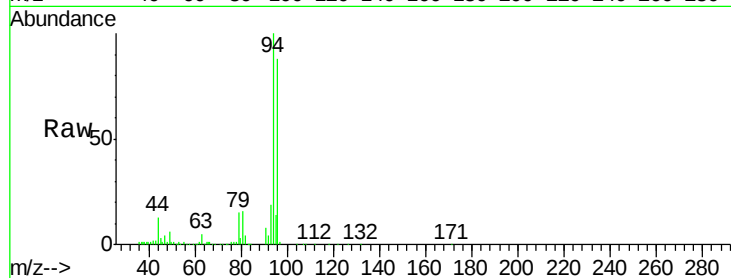
96 87.8 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 16.421 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011382.D

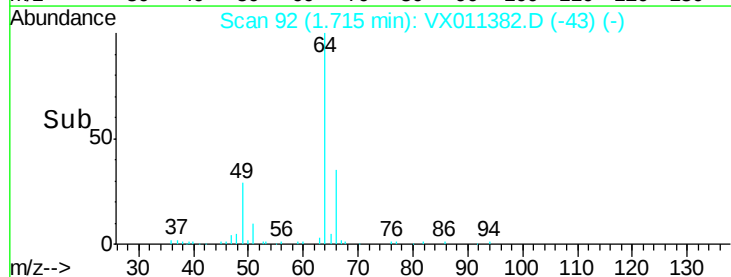
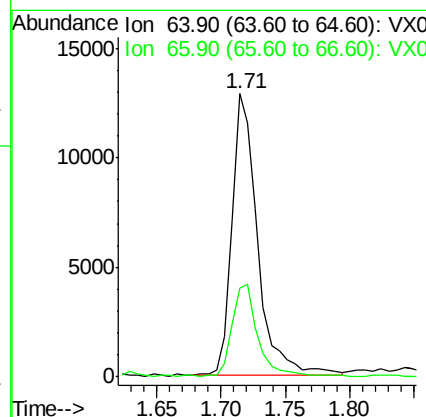
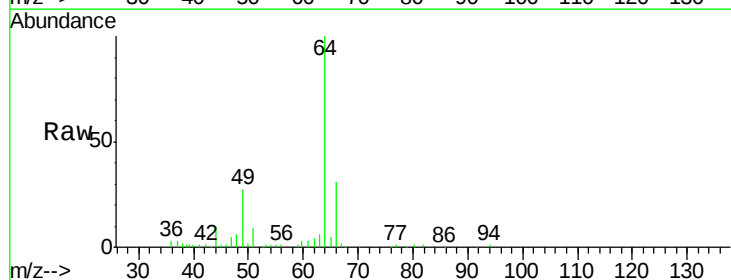
Acq: 08 Aug 2019 11:21

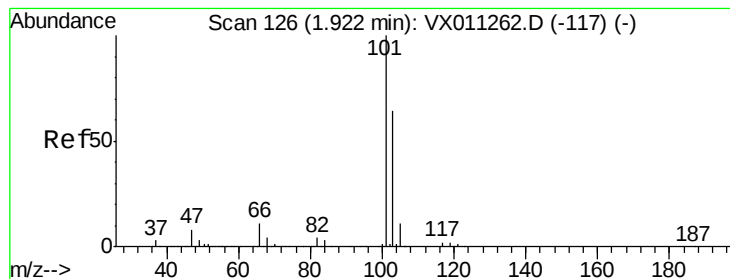
Tgt Ion: 64 Resp: 17906

Ion Ratio Lower Upper

64 100

66 31.2 25.1 37.7





#7

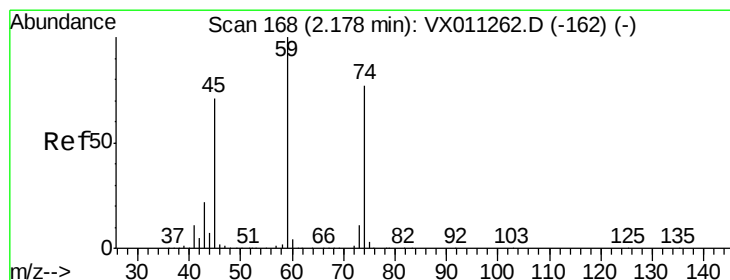
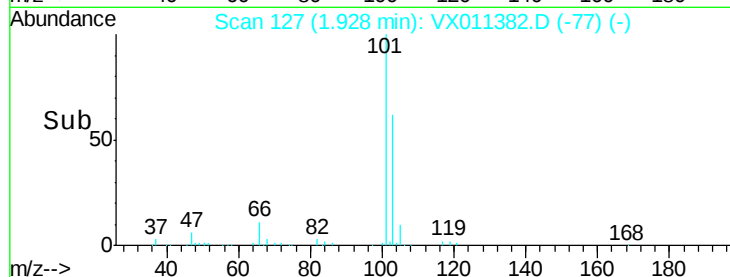
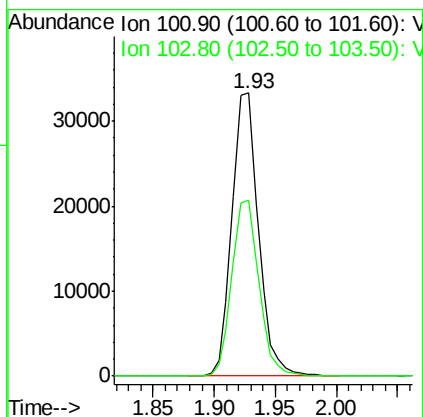
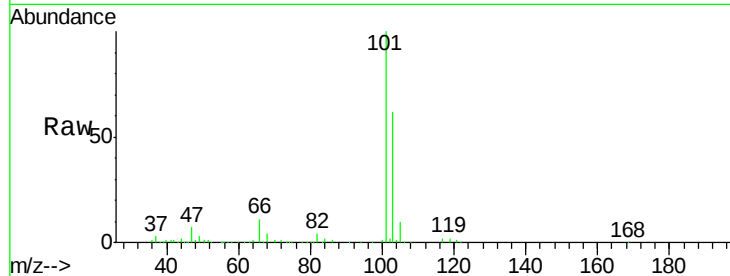
Trichlorofluoromethane
 Concen: 17.718 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX011382.D
 Acq: 08 Aug 2019 11:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	50.9	76.3

Manual Integrations
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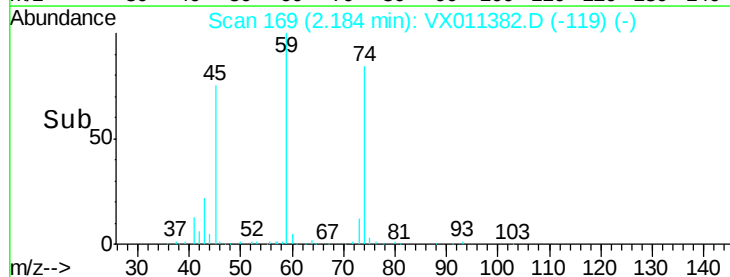
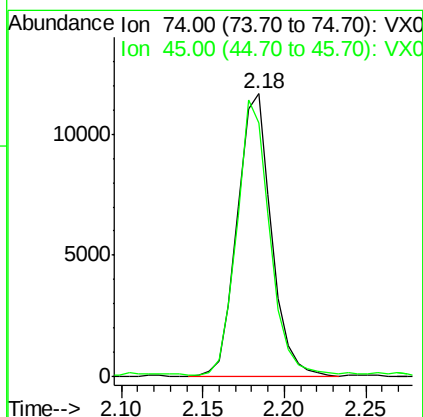
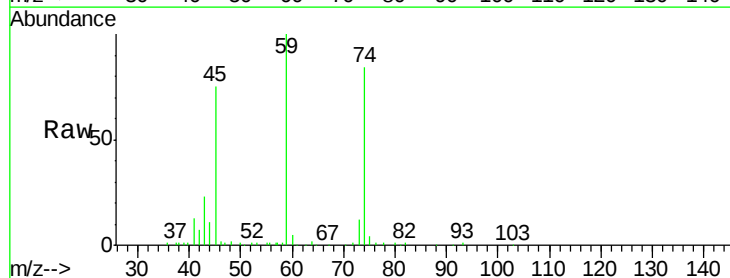
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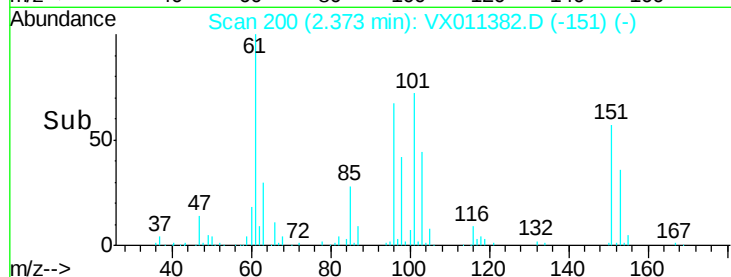
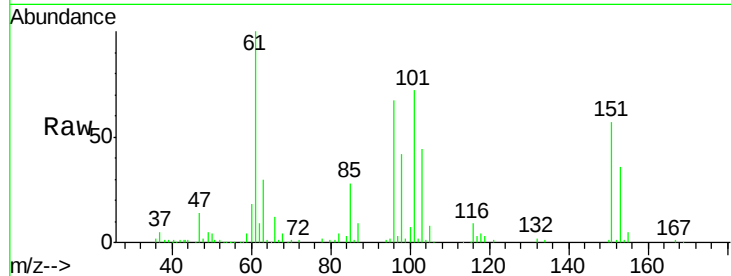
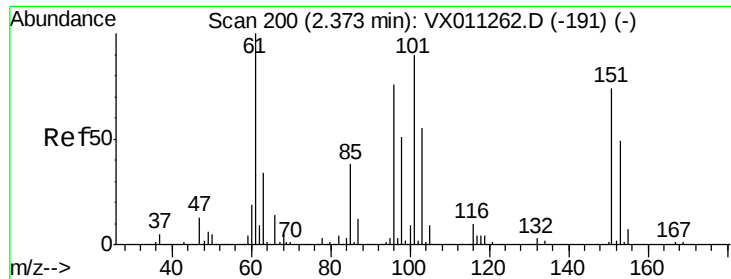


#8

Diethyl Ether
 Concen: 16.916 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.01 min
 Lab File: VX011382.D
 Acq: 08 Aug 2019 11:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.7	46.1	138.3





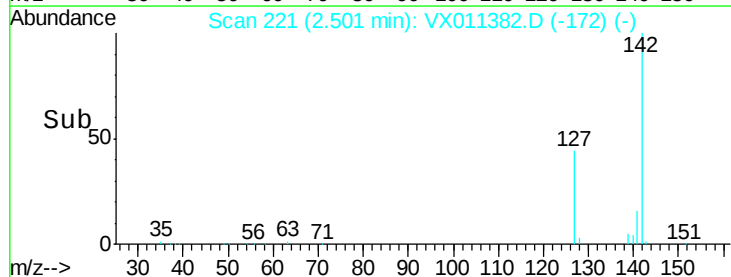
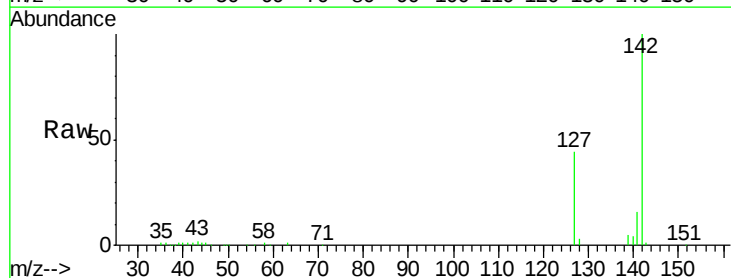
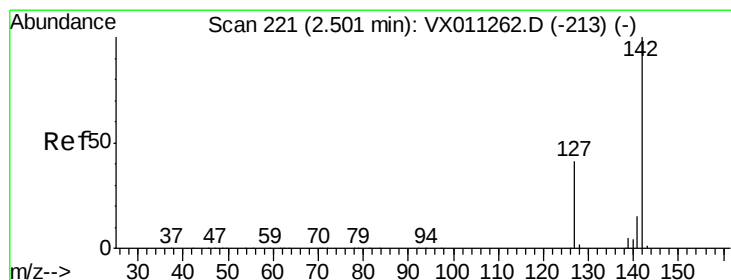
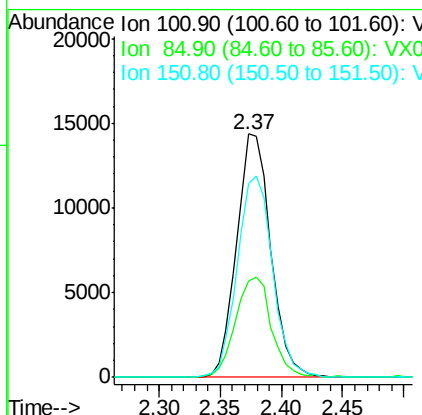
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.221 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	27889		
85	43.4		33.8	50.6
151	85.6		69.5	104.3

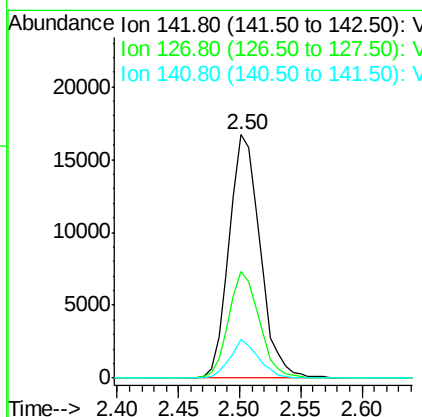
Manual Integrations
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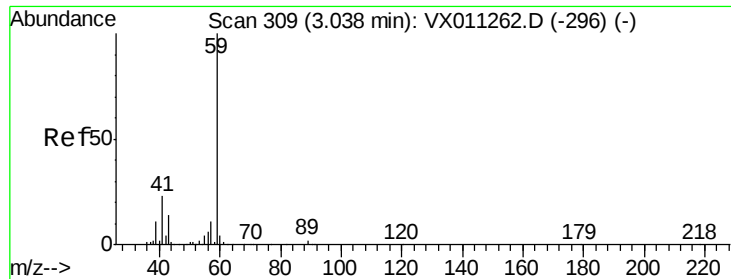
MMDadoda
8/9/2019 11:07:59 AM



#10
Methyl Iodide
Concen: 15.186 ug/l
RT: 2.50 min Scan# 221
Delta R.T. 0.00 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	29304		
127	43.5		33.8	50.8
141	14.9		11.4	17.2





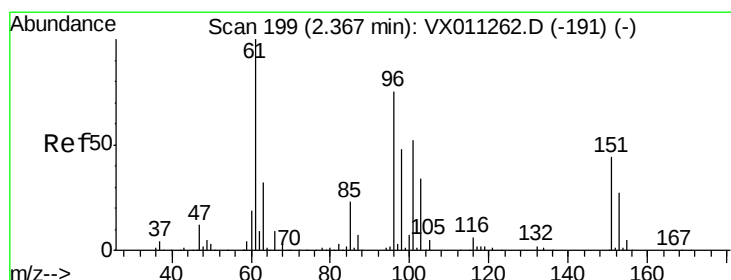
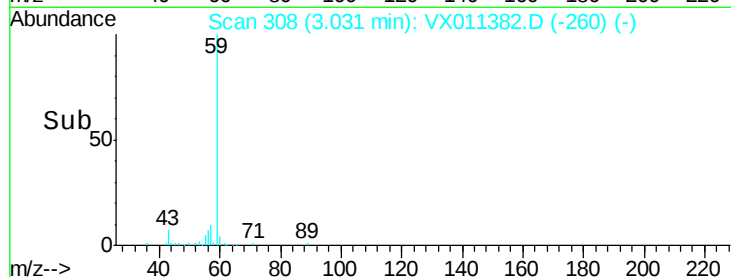
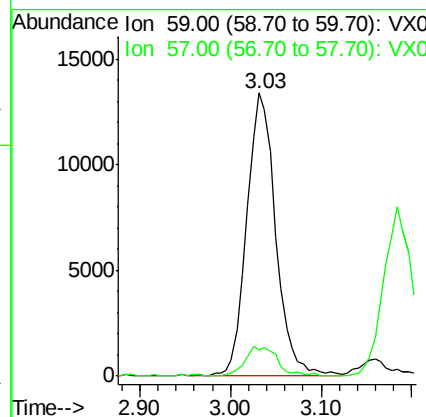
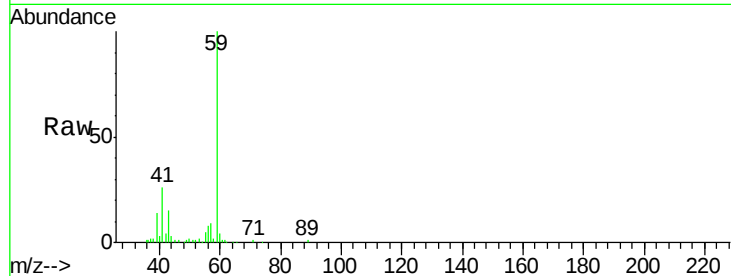
#11
Tert butyl alcohol
Concen: 88.745 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.01 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Instrument :
MSVOA_X
ClientSampled :
VX0808WBS01

Tot Ion	59	57	Ratio	100	11.7	Resp	29714	Lower	8.3	Upper	12.5
Ion											

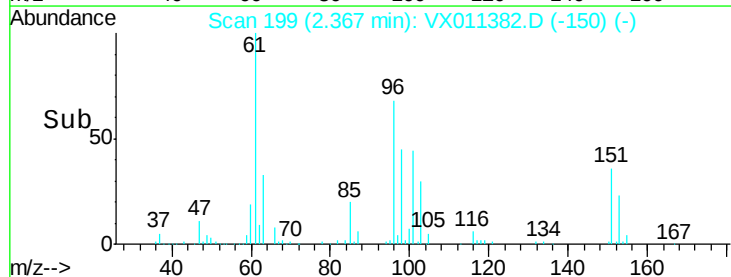
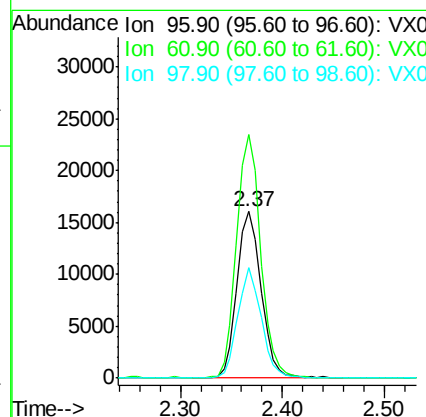
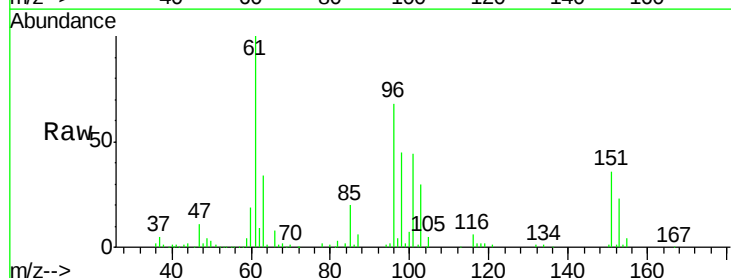
Manual Integrations
APPROVED

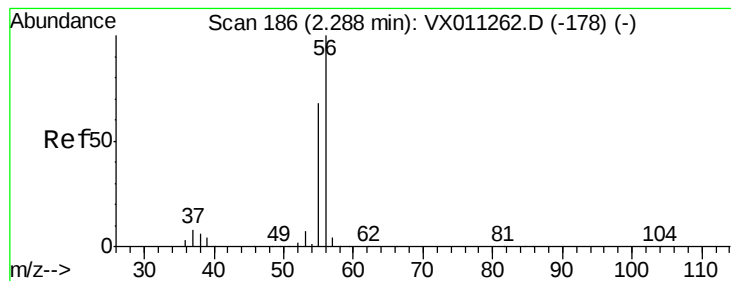
MMDadoda
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#12
1,1-Dichloroethene
Concen: 17.377 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Tgt Ion	96	61	98	Ratio	100	146.1	66.4	Resp	26366	Lower	106.2	50.6	Upper	159.2	75.8
Ion															





#13

Acrolein

Concen: 80.814 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBS01

Tot Ion: 56 Resp: 16878

Ion Ratio Lower Upper

56 100

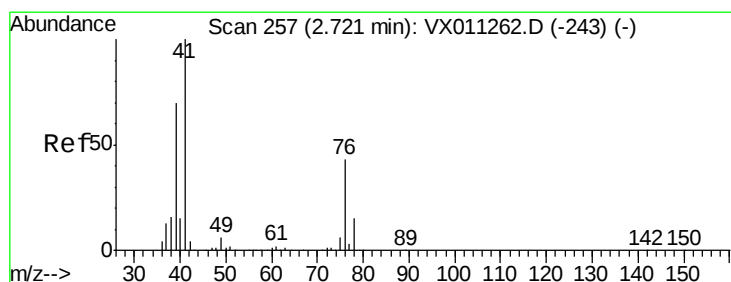
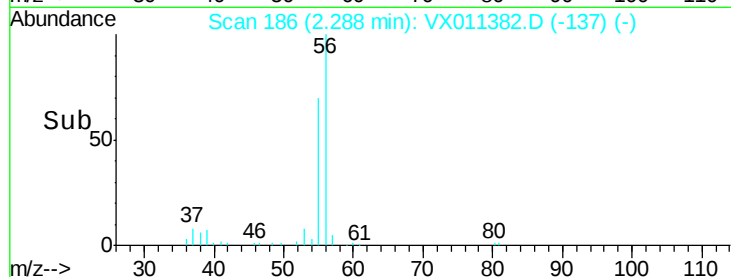
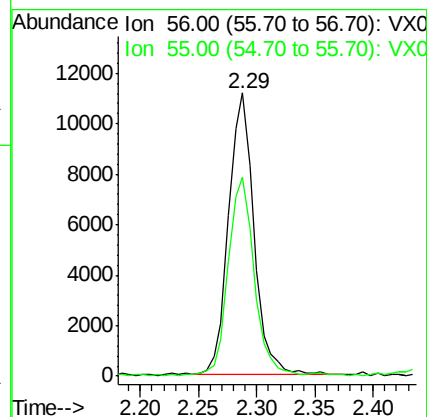
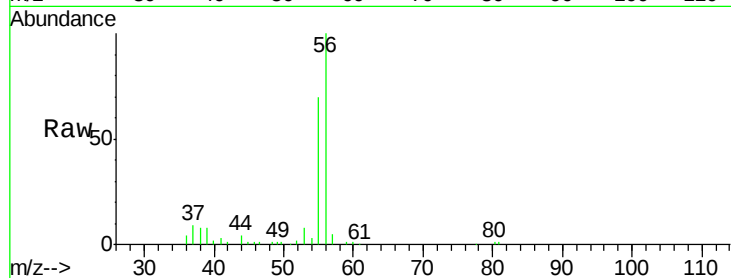
55 73.5 56.0 84.0

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#14

Allyl chloride

Concen: 18.847 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

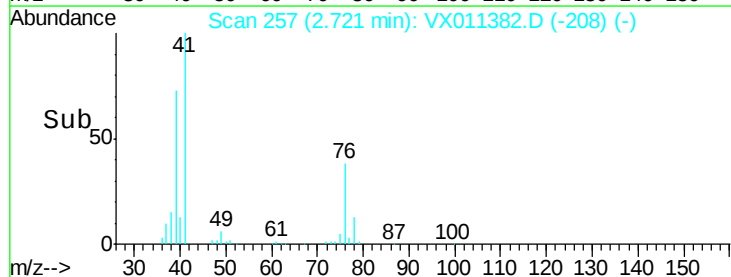
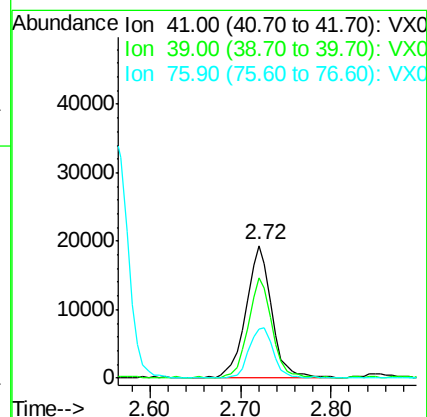
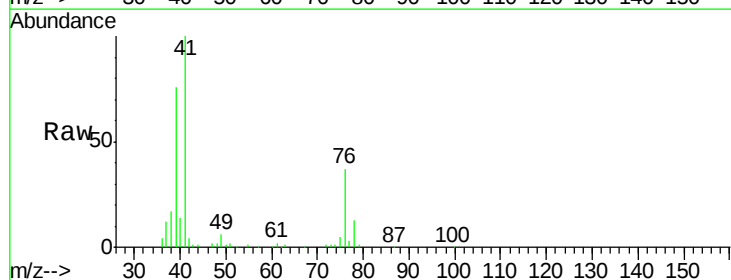
Tgt Ion: 41 Resp: 38122

Ion Ratio Lower Upper

41 100

39 68.1 52.8 79.2

76 36.1 31.1 46.7





#15

Acrylonitrile

Concen: 93.239 ug/l

RT: 3.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Instrument :

MSVOA_X

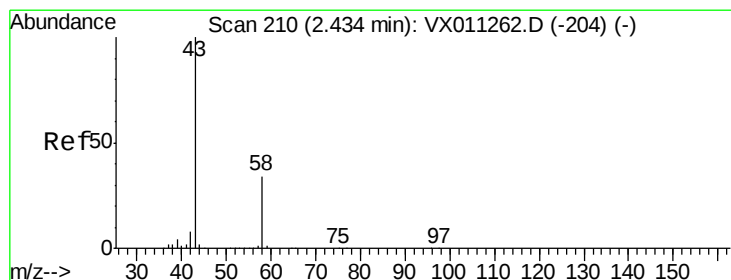
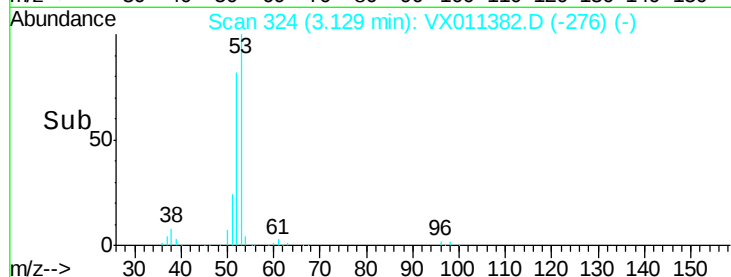
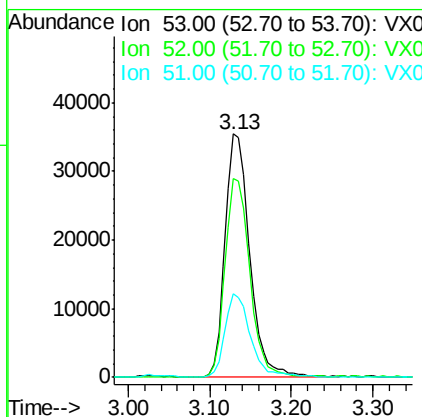
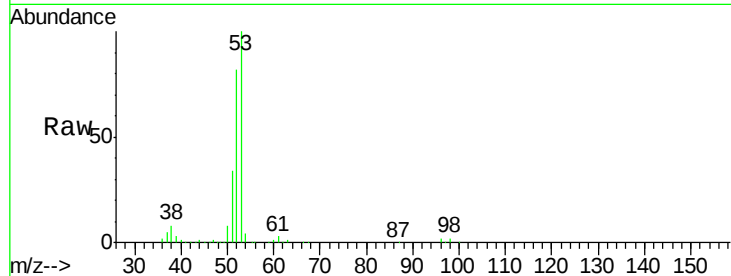
ClientSampleId :

VX0808WBS01

Tot Ion:	53	Resp:	74511
Ion Ratio	Lower	Upper	
53	100		
52	81.3	65.5	98.3
51	35.7	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 88.936 ug/l

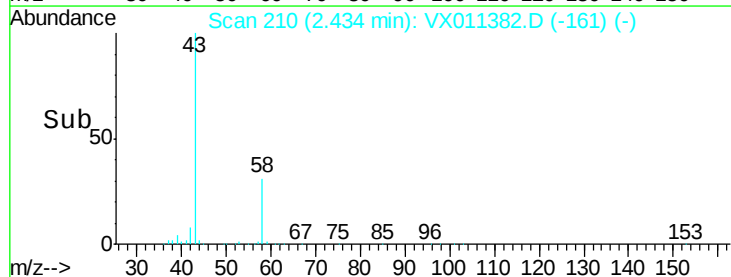
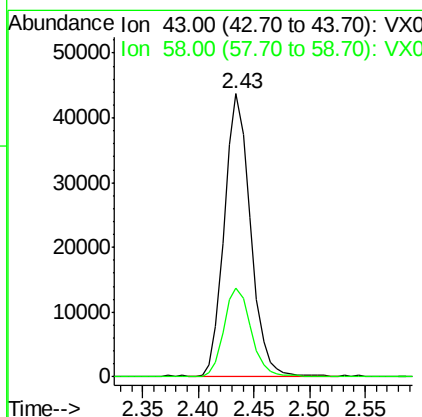
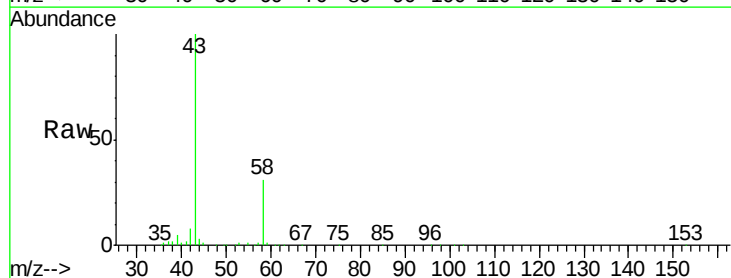
RT: 2.43 min Scan# 210

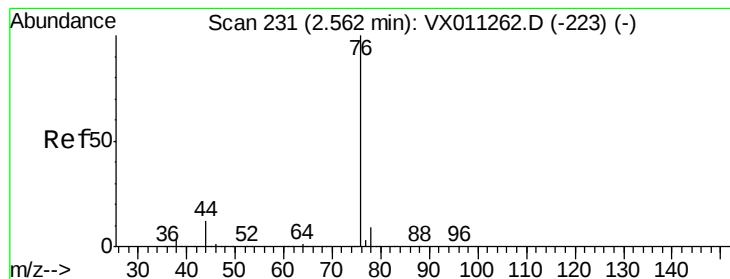
Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Tgt Ion:	43	Resp:	71091
Ion Ratio	Lower	Upper	
43	100		
58	31.1	27.4	41.0





#17

Carbon Disulfide

Concen: 16.584 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBS01

Tot Ion: 76 Resp: 59046

Ion Ratio Lower Upper

76 100

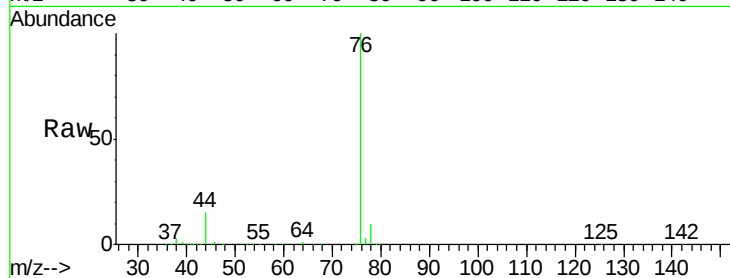
78 10.1 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

40000

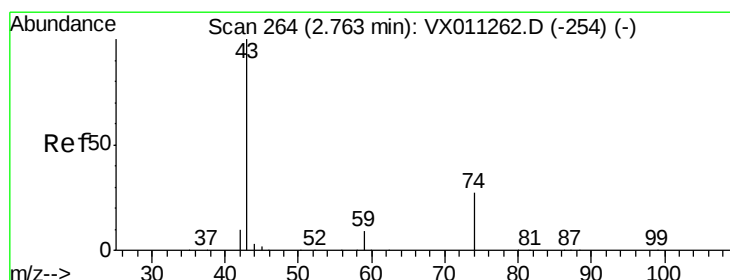
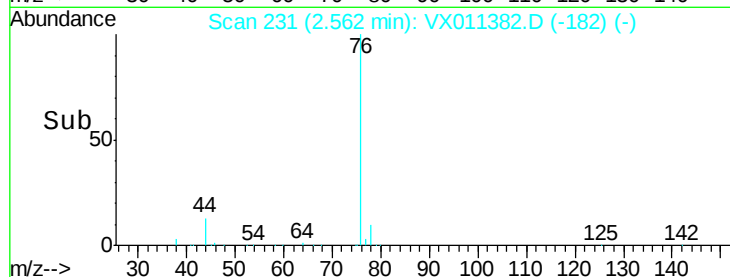
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 18.124 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011382.D

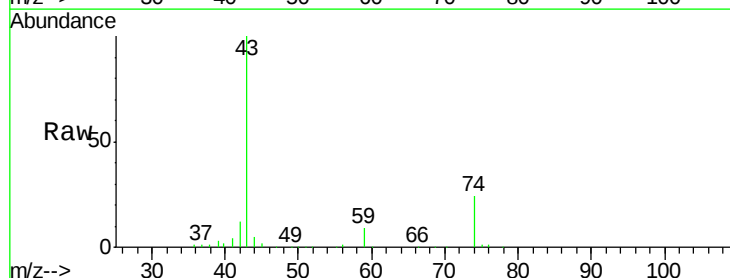
Acq: 08 Aug 2019 11:21

Tgt Ion: 43 Resp: 33107

Ion Ratio Lower Upper

43 100

74 27.1 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

20000

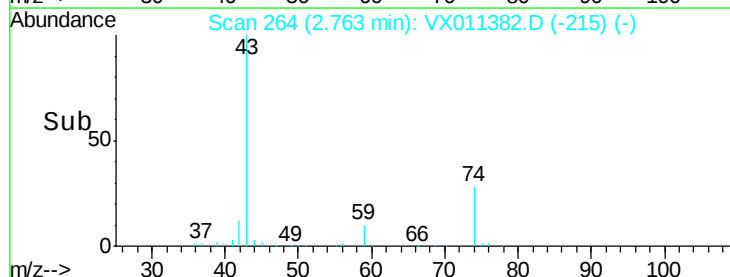
15000

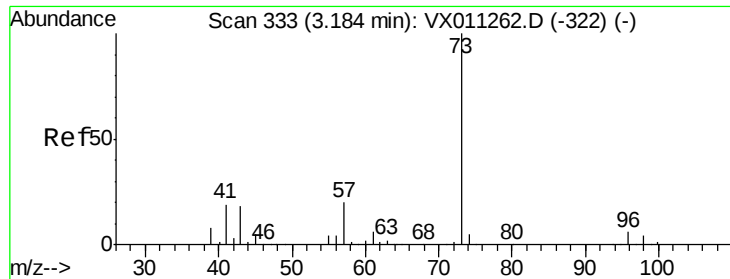
10000

5000

0

Time-->





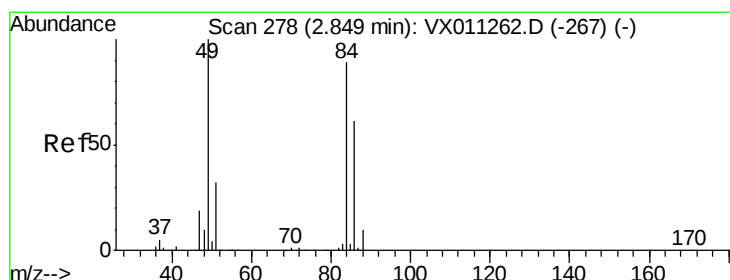
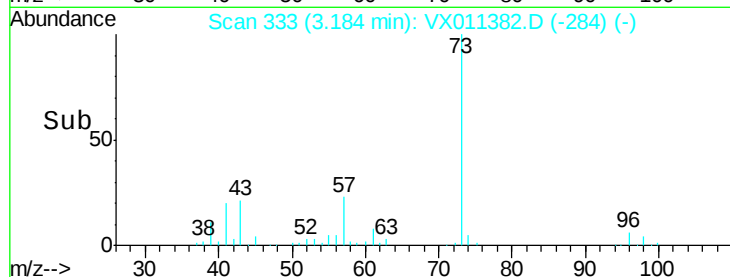
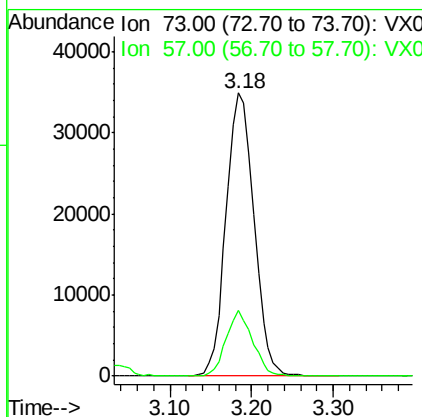
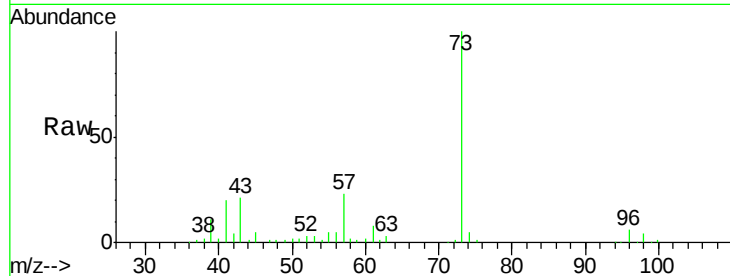
#19
Methyl tert-butyl Ether
Concen: 18.506 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	16.2	24.2

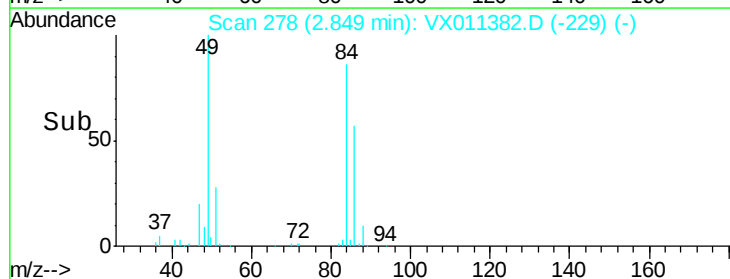
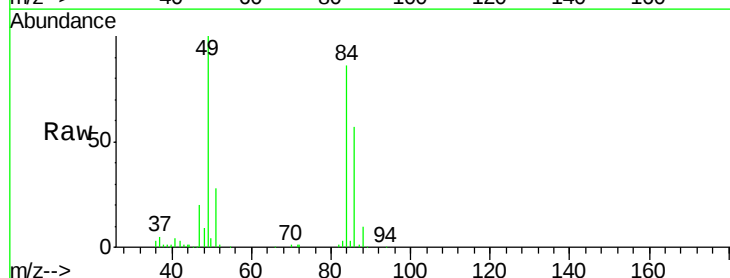
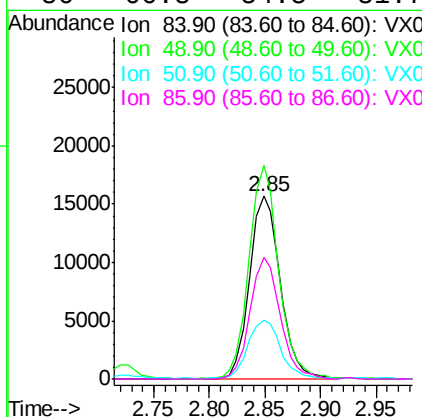
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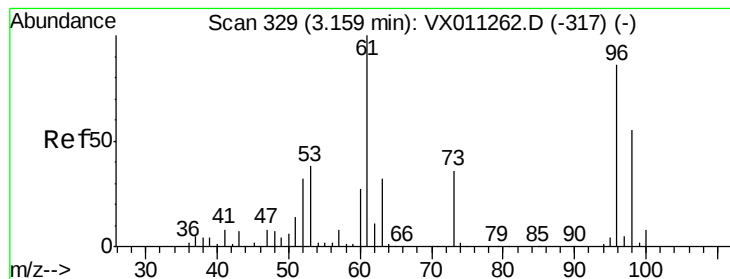
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#20
Methylene Chloride
Concen: 17.281 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.9	89.3	133.9
51	32.4	28.3	42.5
86	66.8	54.5	81.7





#21

trans-1,2-Dichloroethene

Concen: 17.467 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Instrument :

MSVOA_X

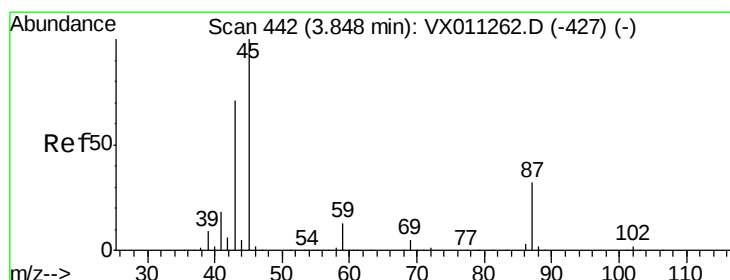
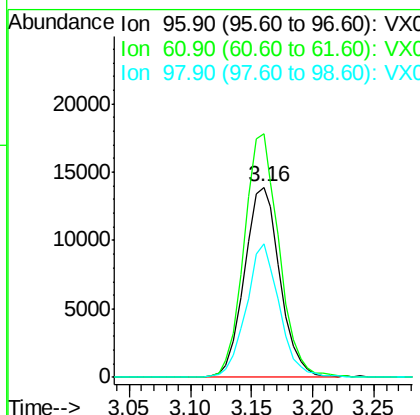
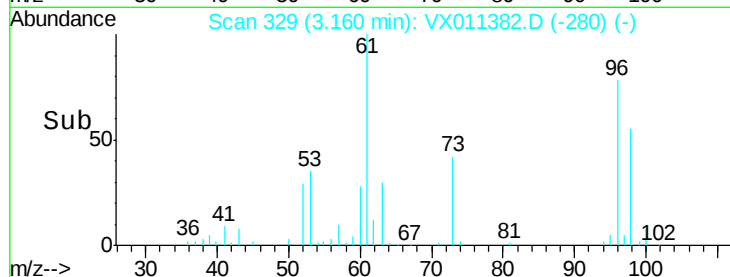
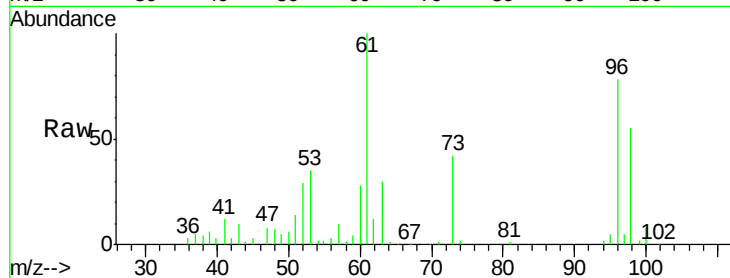
ClientSampled :

VX0808WBS01

Tot Ion:	96	Resp:	28034
Ion	Ratio	Lower	Upper
96	100		
61	127.9	92.8	139.2
98	70.1	51.2	76.8

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#22

Diisopropyl ether

Concen: 18.457 ug/l

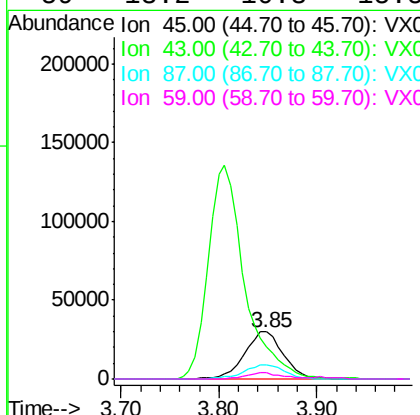
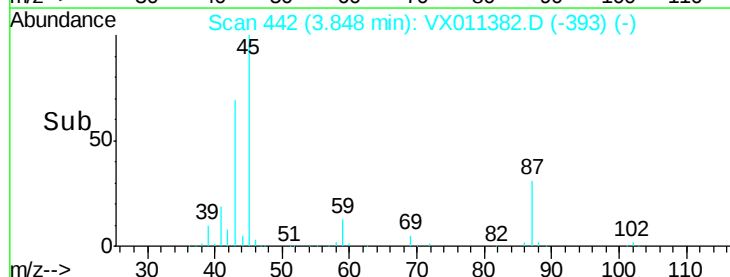
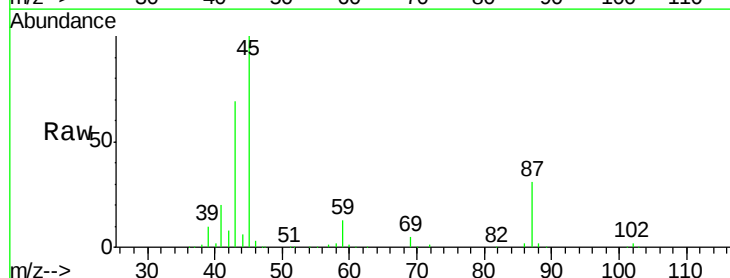
RT: 3.85 min Scan# 442

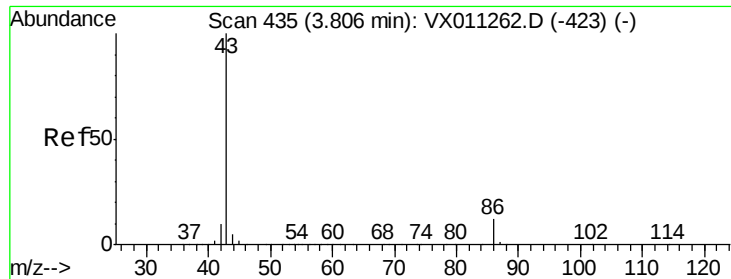
Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Tgt Ion:	45	Resp:	82053
Ion	Ratio	Lower	Upper
45	100		
43	67.6	56.8	85.2
87	30.6	25.8	38.6
59	13.2	10.3	15.5





#23

Vinyl Acetate

Concen: 95.588 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Instrument :

MSVOA_X

ClientSampled :

VX0808WBS01

Tot Ion: 43 Resp: 352451

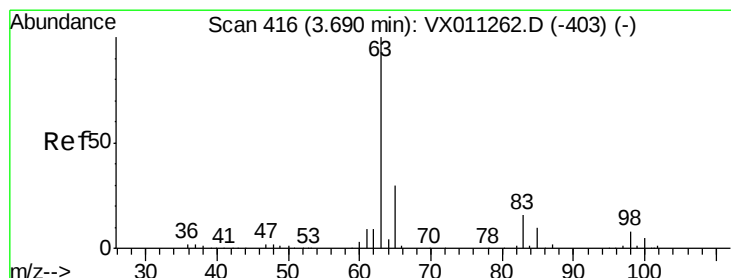
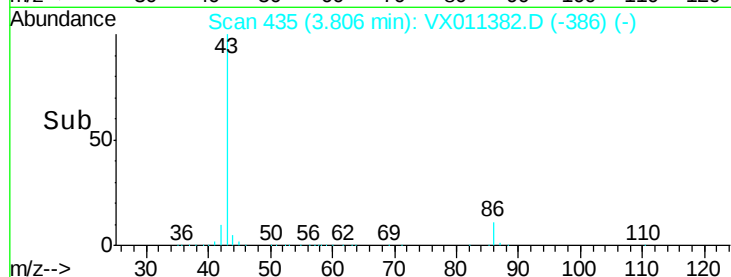
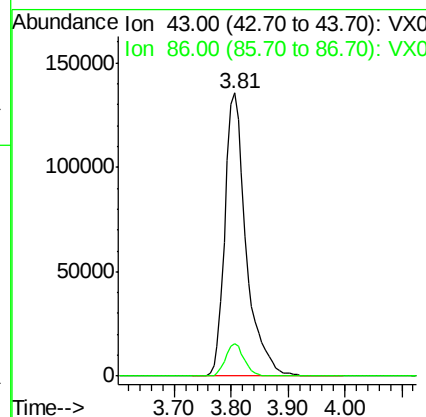
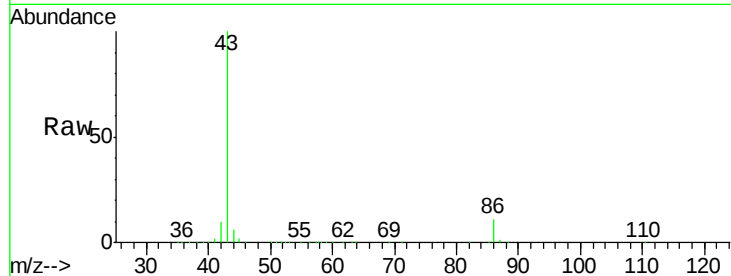
Ion Ratio Lower Upper

43 100

86 11.4 9.6 14.4

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#24

1,1-Dichloroethane

Concen: 18.202 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

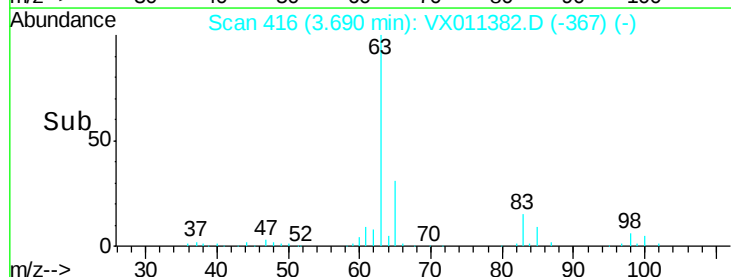
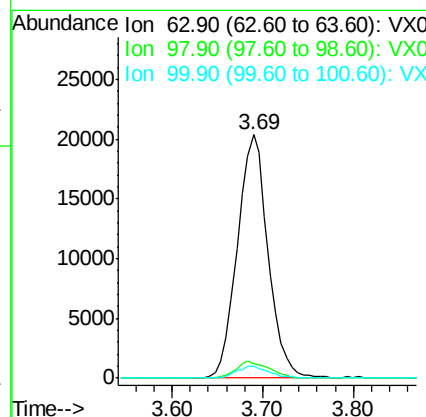
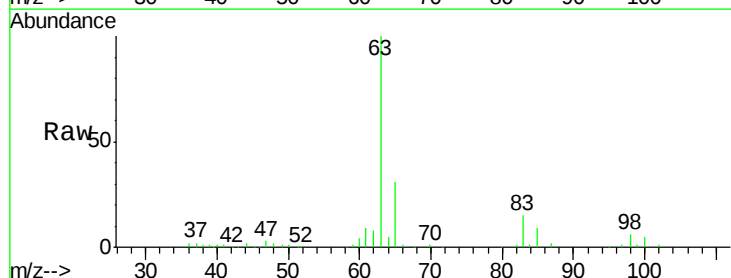
Tgt Ion: 63 Resp: 47715

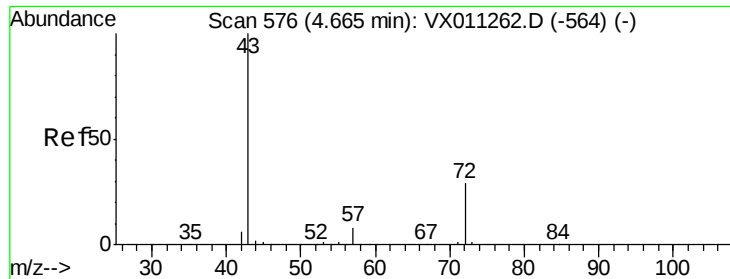
Ion Ratio Lower Upper

63 100

98 6.1 3.9 11.5

100 4.8 2.7 8.1





#25

2-Butanone

Concen: 89.504 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Instrument :

MSVOA_X

ClientSampled :

VX0808WBS01

Tot Ion: 43 Resp: 101773

Ion Ratio Lower Upper

43 100

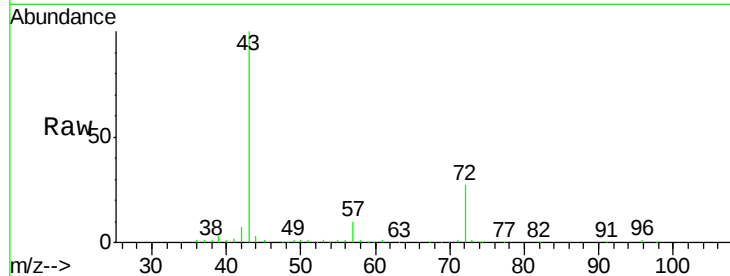
72 26.7 23.2 34.8

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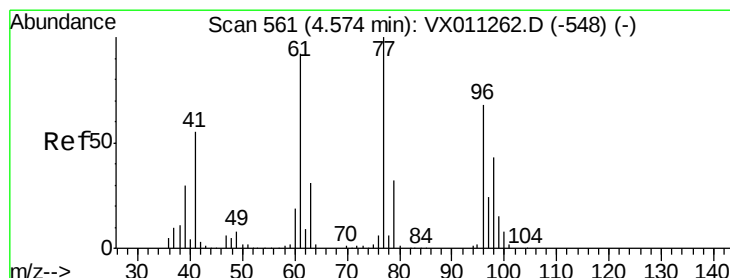
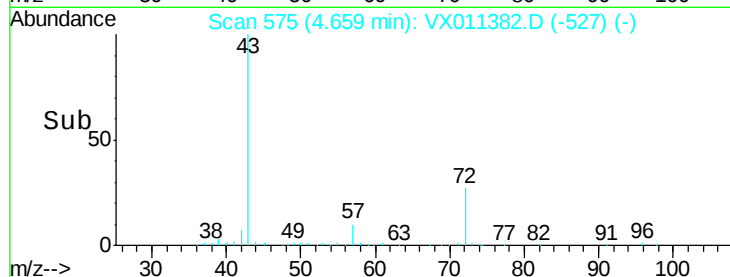
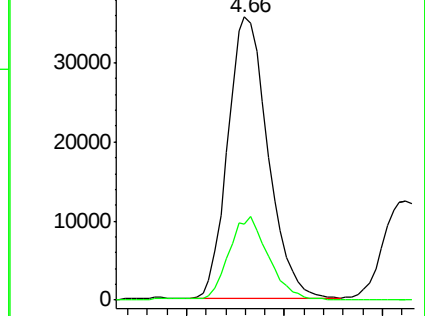
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.759 ug/l

RT: 4.57 min Scan# 560

Delta R.T. -0.01 min

Lab File: VX011382.D

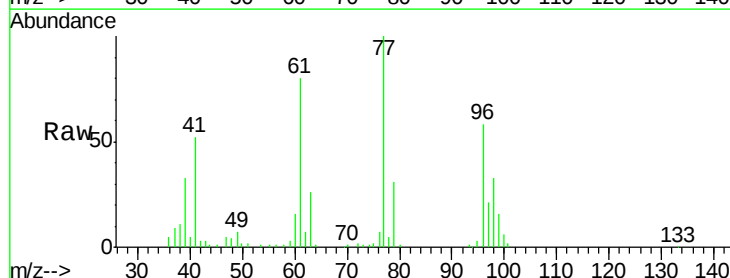
Acq: 08 Aug 2019 11:21

Tgt Ion: 77 Resp: 38225

Ion Ratio Lower Upper

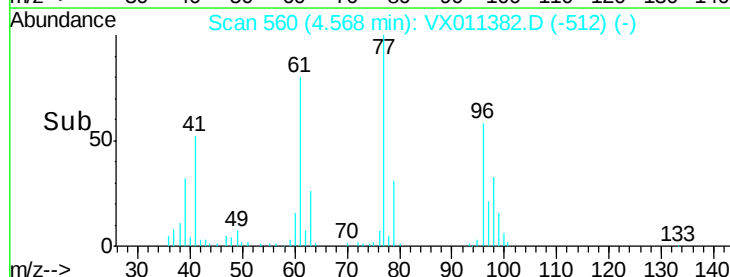
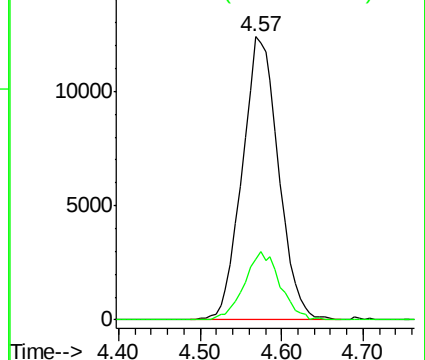
77 100

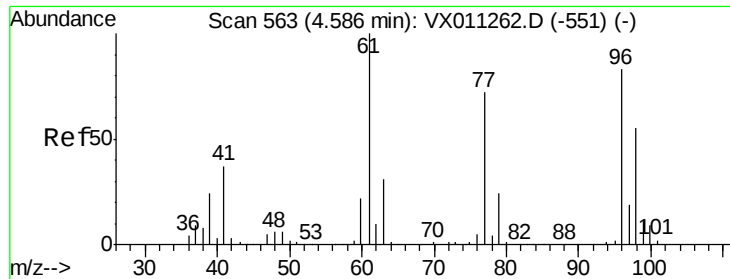
97 23.9 12.8 38.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

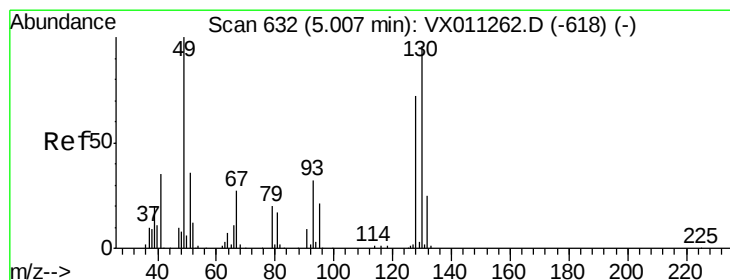
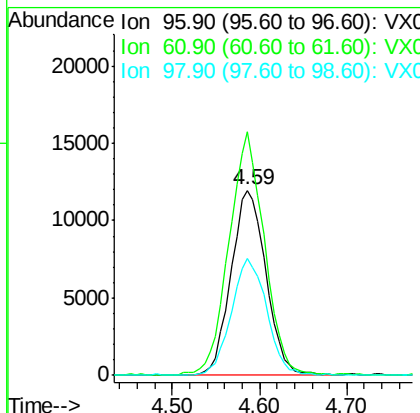
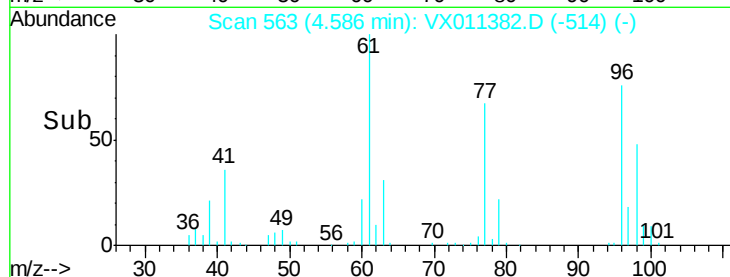
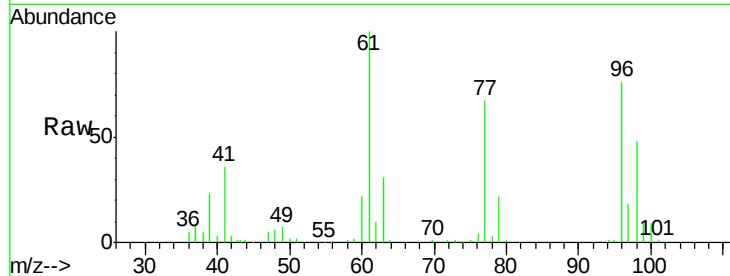
cis-1,2-Dichloroethene
Concen: 17.956 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	33195		
61	133.2	0.0	260.2	
98	63.6	0.0	133.2	

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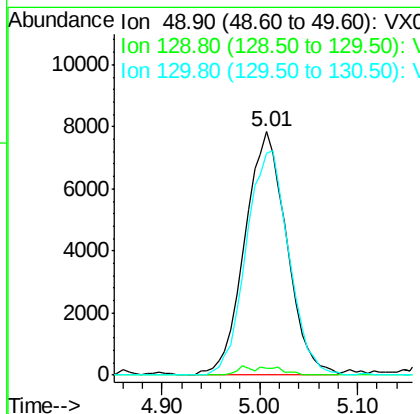
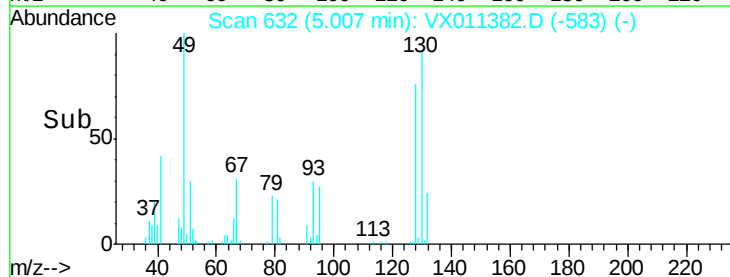
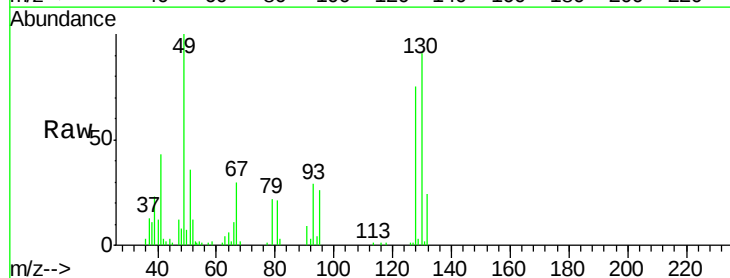
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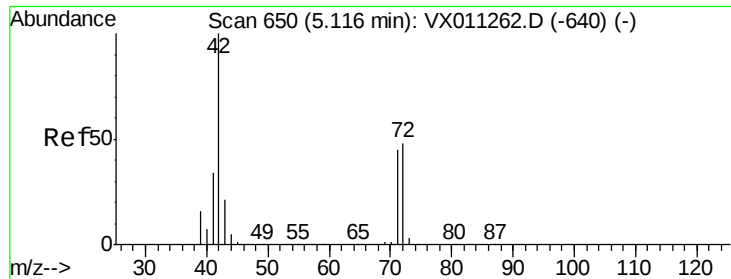


#28

Bromochloromethane
Concen: 19.507 ug/l
RT: 5.01 min Scan# 632
Delta R.T. 0.00 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	23312		
129	2.0	0.0	5.8	
130	93.7	77.9	116.9	





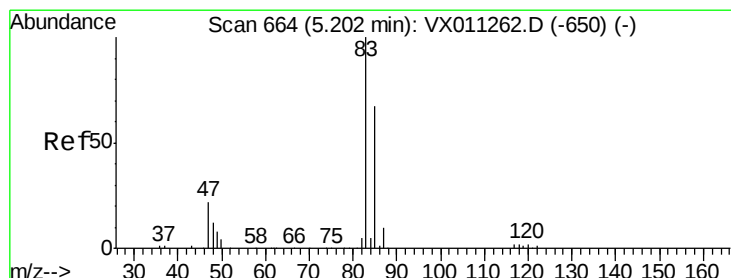
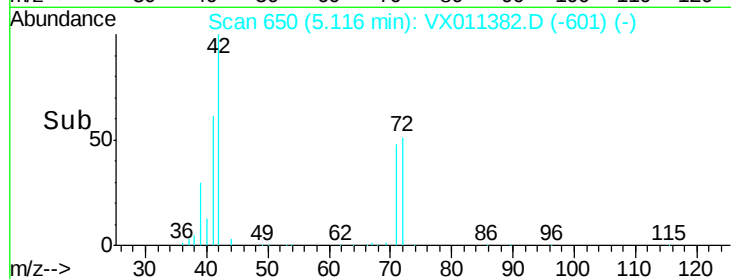
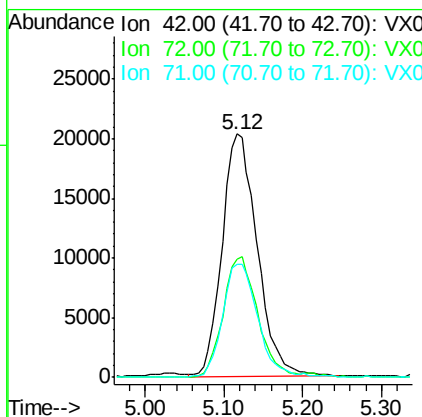
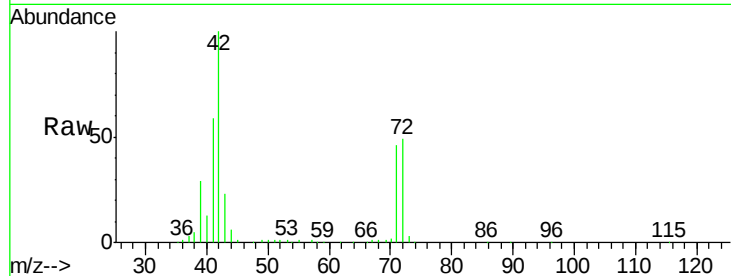
#29
Tetrahydrofuran
Concen: 90.252 ug/l
RT: 5.12 min Scan# 650
Delta R.T. 0.00 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.9	39.9	59.9
71	46.9	36.9	55.3

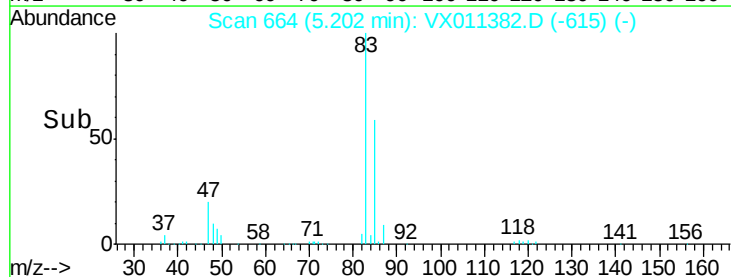
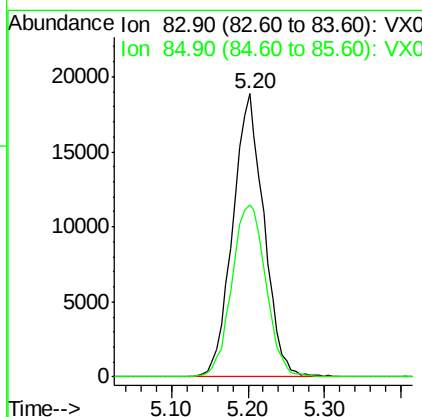
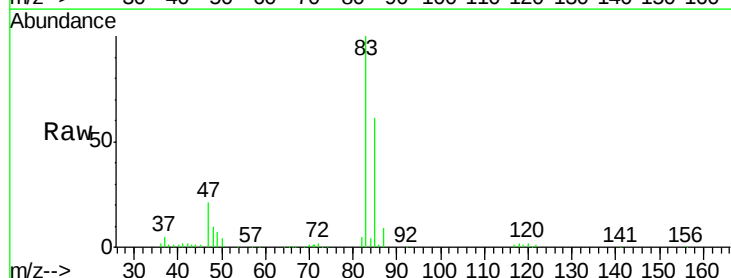
Manual Integrations
APPROVED

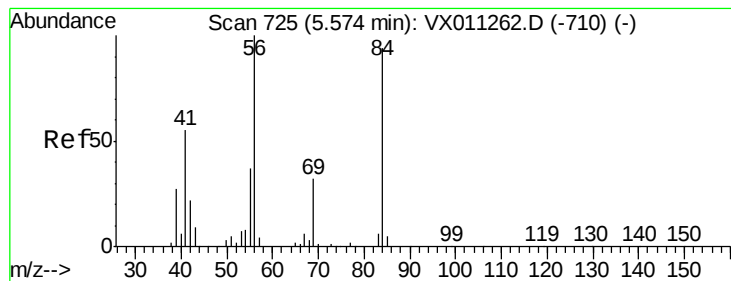
MMDadoda
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#30
Chloroform
Concen: 18.739 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.7	53.4	80.0





#31

Cyclohexane

Concen: 17.788 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Instrument :

MSVOA_X

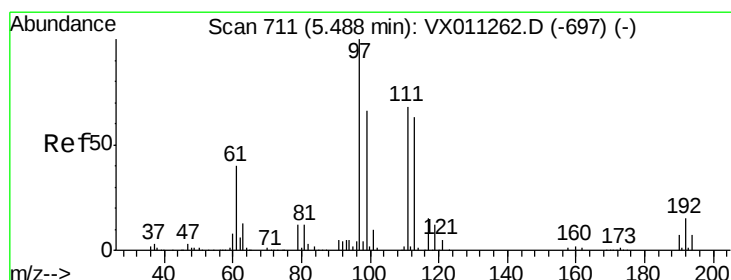
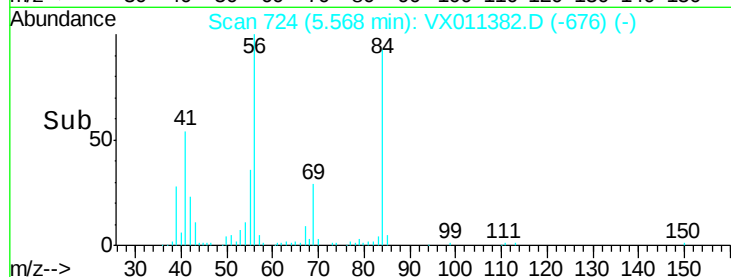
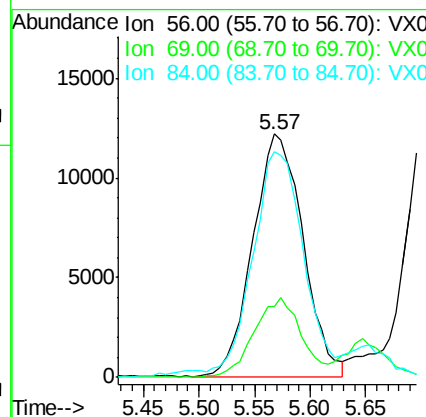
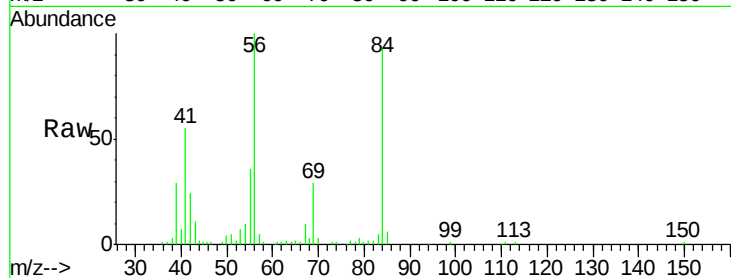
ClientSampleId :

VX0808WBS01

Tot Ion:	56	Resp:	38470
Ion	Ratio	Lower	Upper
56	100		
69	29.3	25.5	38.3
84	90.3	75.0	112.4

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#32

1,1,1-Trichloroethane

Concen: 18.770 ug/l

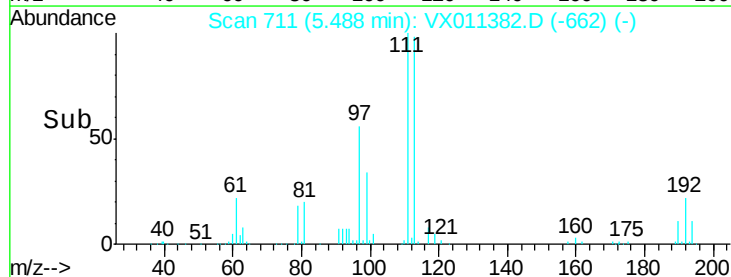
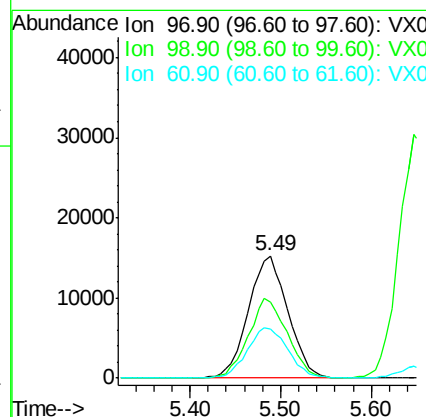
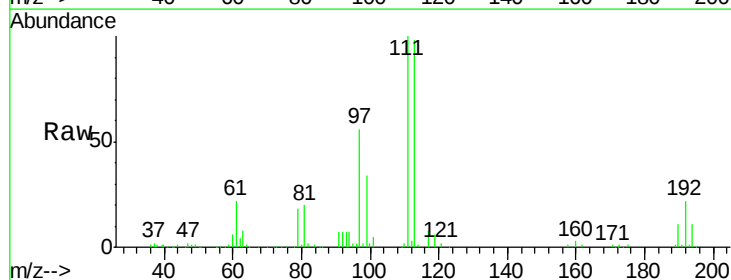
RT: 5.49 min Scan# 711

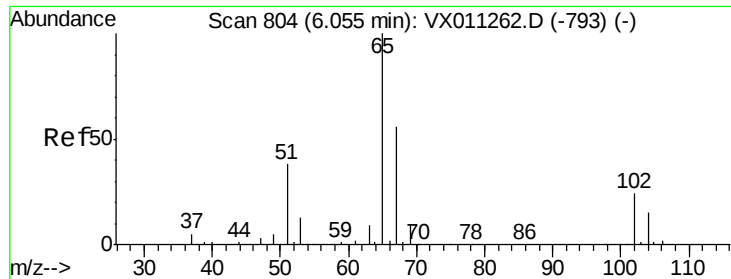
Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Tgt Ion:	97	Resp:	45811
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	42.9	32.3	48.5





#33

1,2-Dichloroethane-d4

Concen: 52.268 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBS01

Tot Ion: 65 Resp: 87778

Ion Ratio Lower Upper

65 100

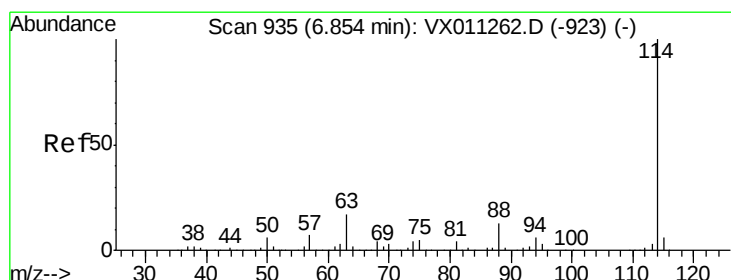
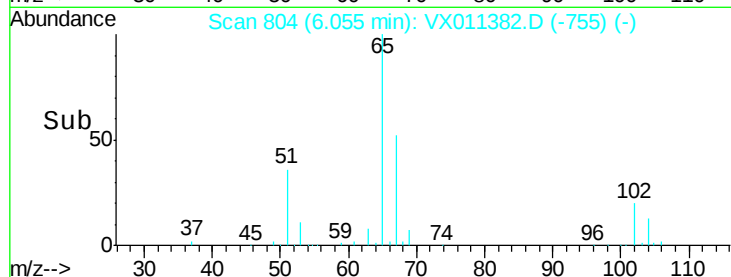
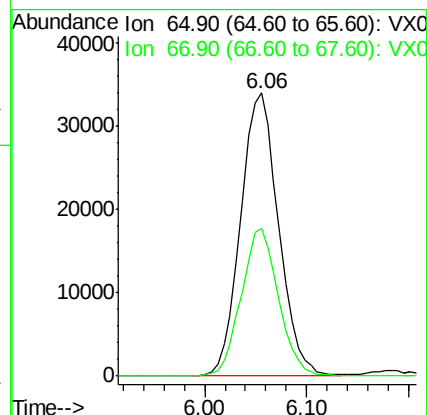
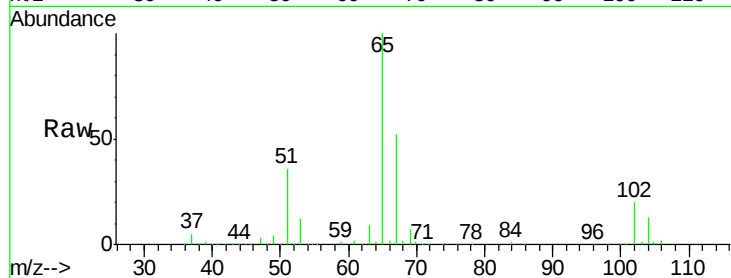
67 51.2 0.0 110.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

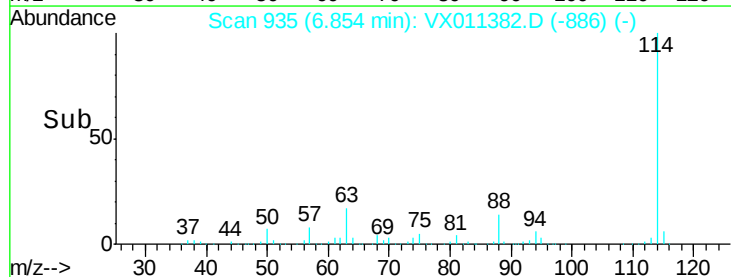
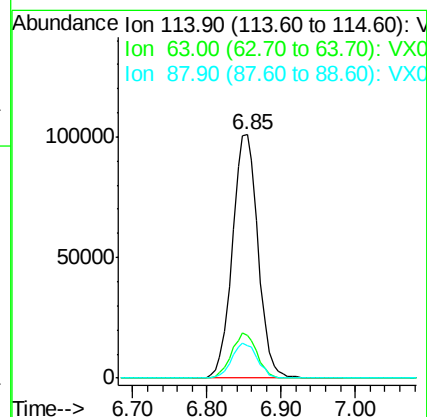
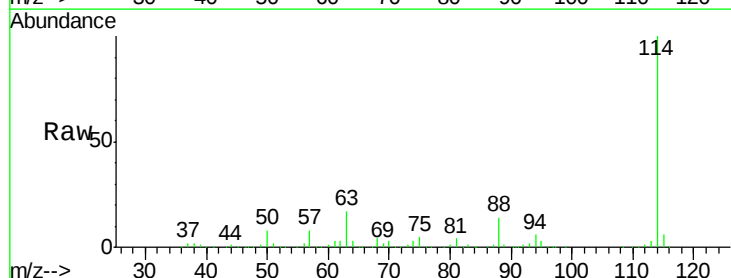
Tgt Ion: 114 Resp: 242860

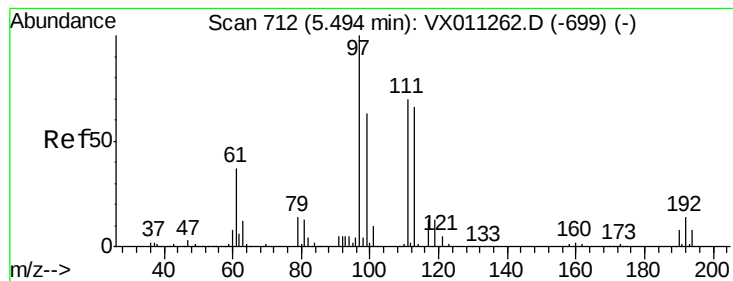
Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.0

88 13.5 0.0 26.4





#35

Dibromofluoromethane

Concen: 48.240 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Instrument :

MSVOA_X

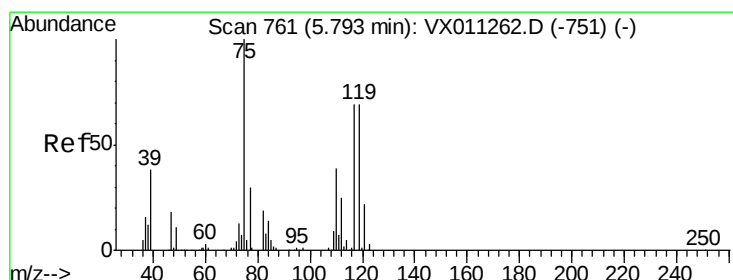
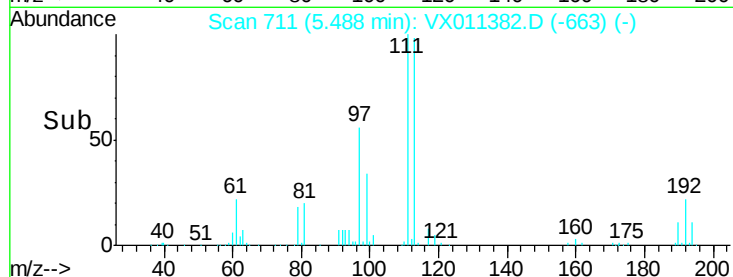
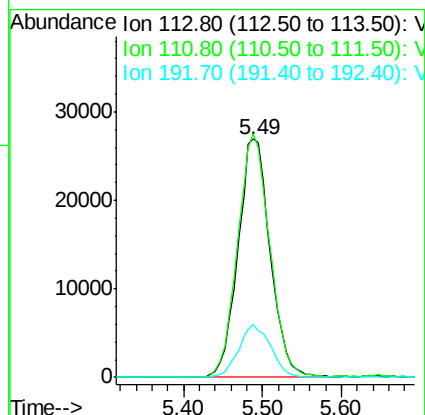
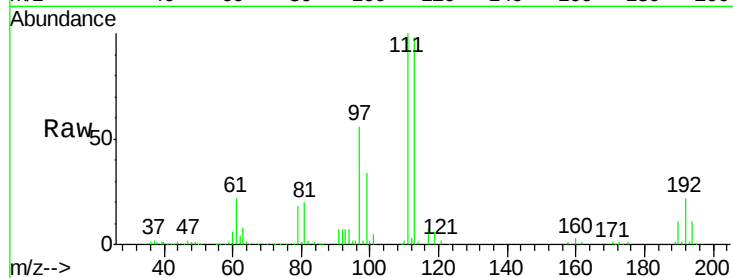
ClientSampled :

VX0808WBS01

Tot Ion:	113	Resp:	76488
Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.9	122.9
192	22.0	17.8	26.8

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#36

1,1-Dichloropropene

Concen: 17.615 ug/l

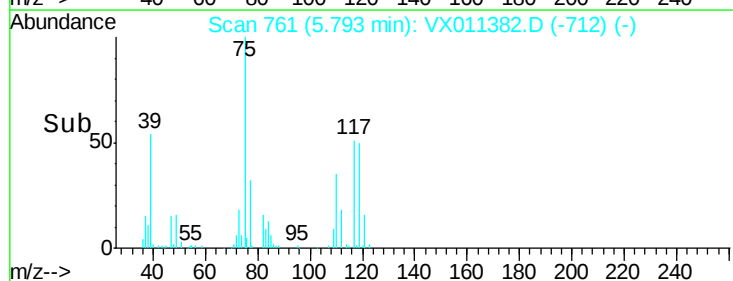
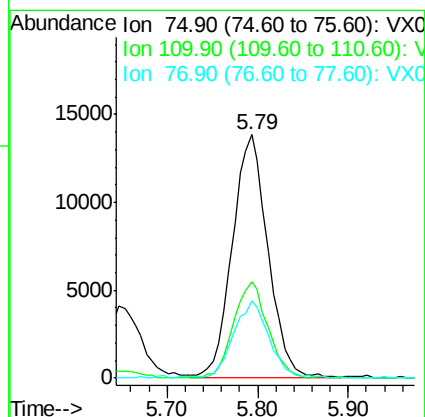
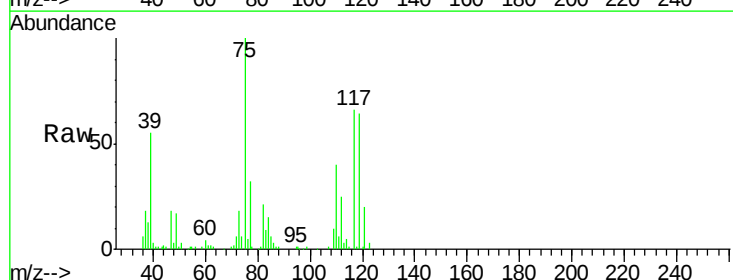
RT: 5.79 min Scan# 761

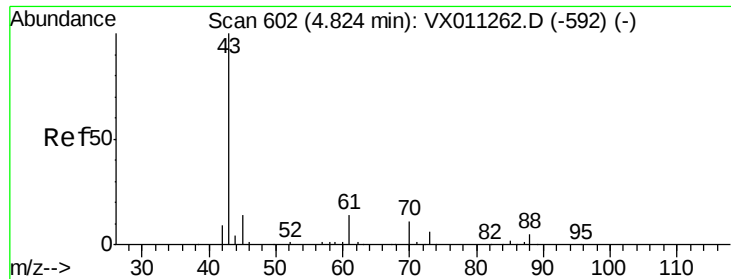
Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Tgt Ion:	75	Resp:	37350
Ion	Ratio	Lower	Upper
75	100		
110	38.5	20.0	59.9
77	31.7	24.8	37.2





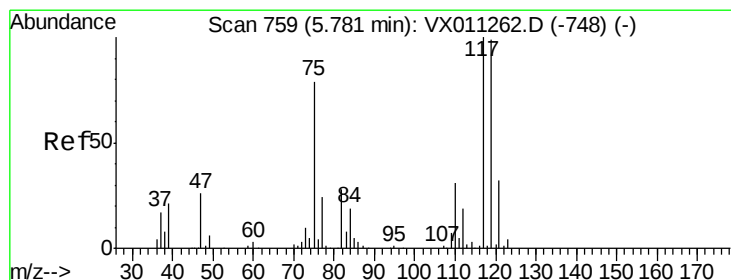
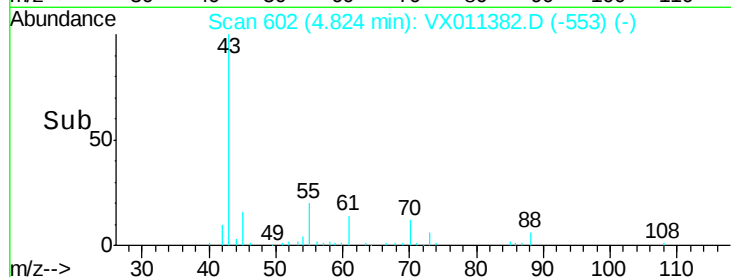
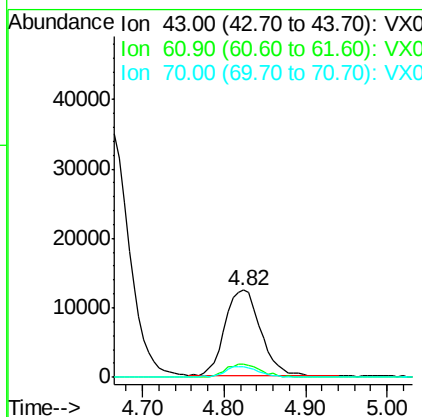
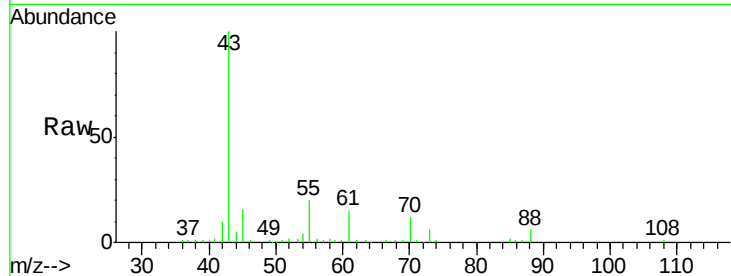
#37
Ethyl Acetate
Concen: 17.900 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.6	18.8
70	12.2	9.1	13.7

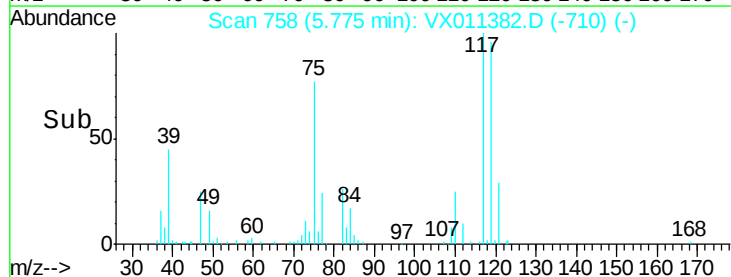
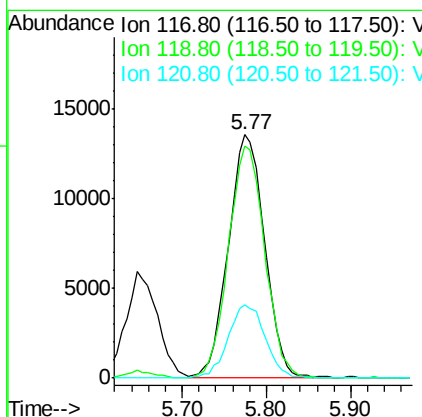
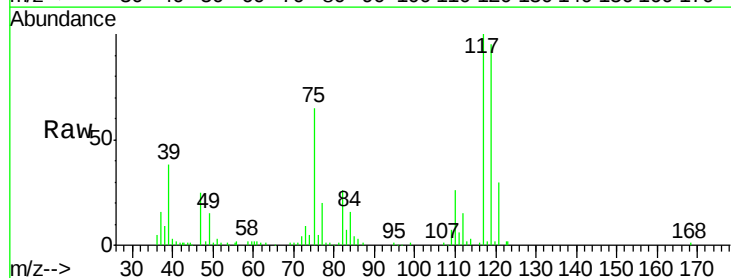
Manual Integrations
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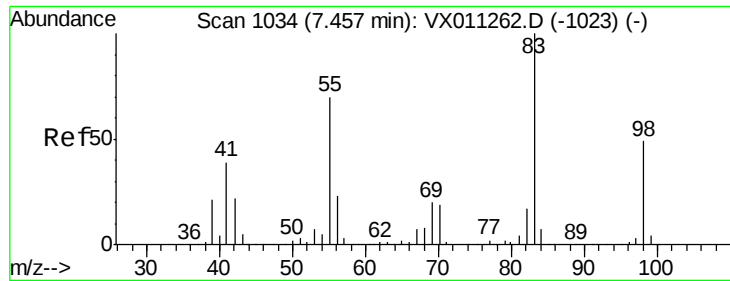
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#38
Carbon Tetrachloride
Concen: 18.632 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	79.0	118.4
121	30.1	25.9	38.9





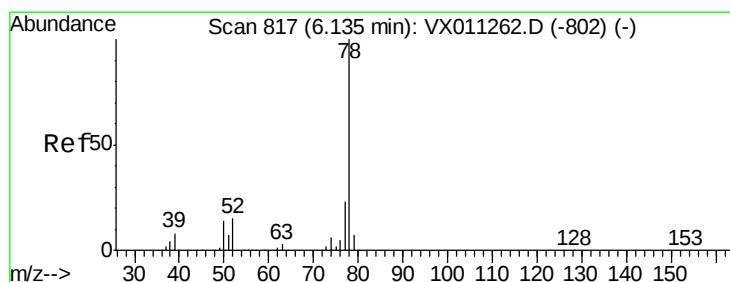
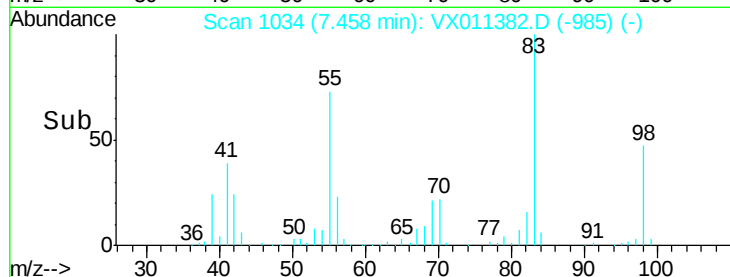
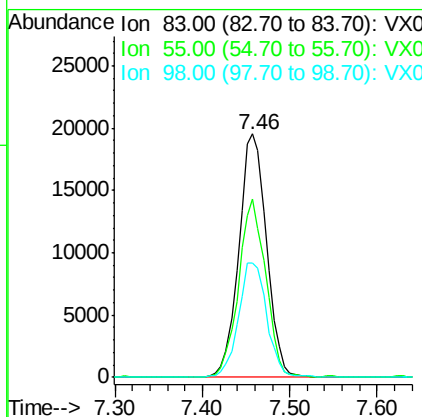
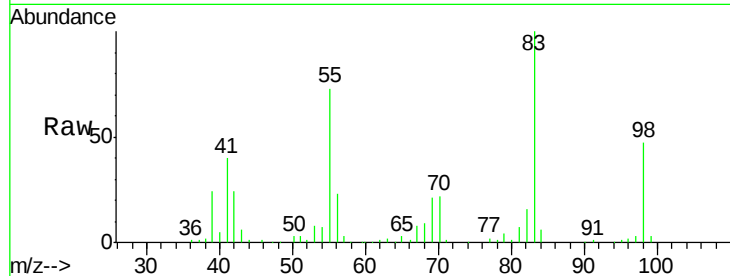
#39
Methvlcvclohexane
Concen: 17.111 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.4	56.1	84.1
98	47.1	39.0	58.4

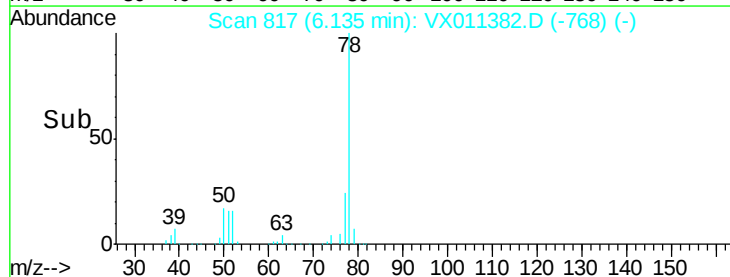
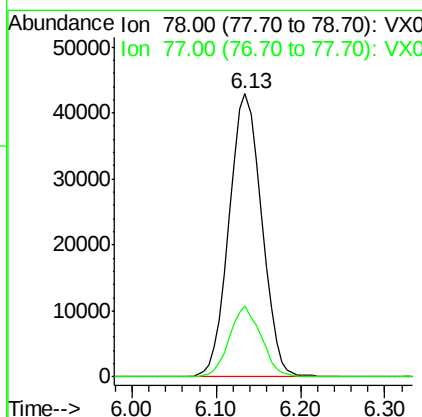
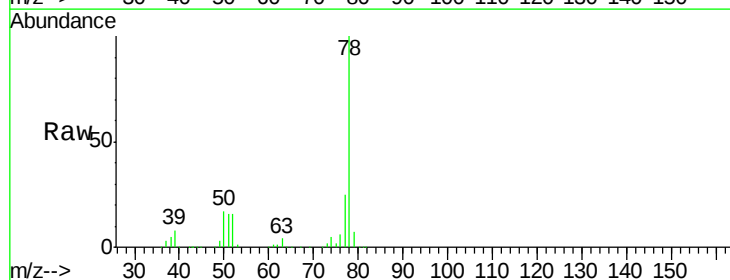
Manual Integrations
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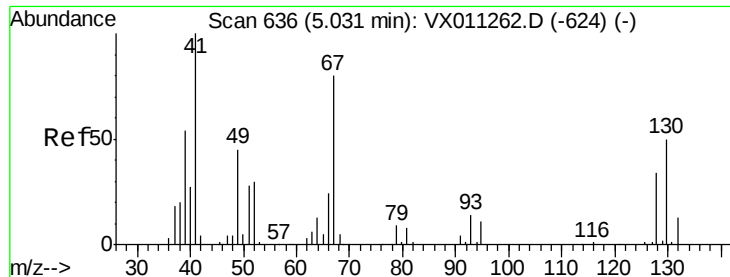
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#40
Benzene
Concen: 17.815 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	18.2	27.2





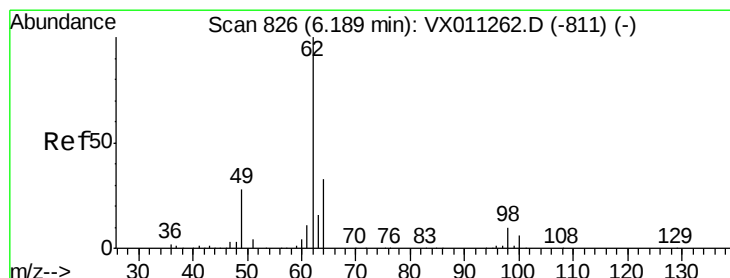
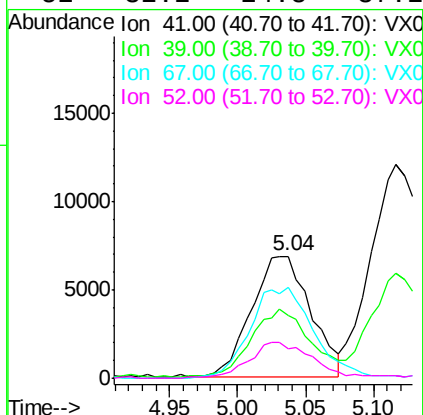
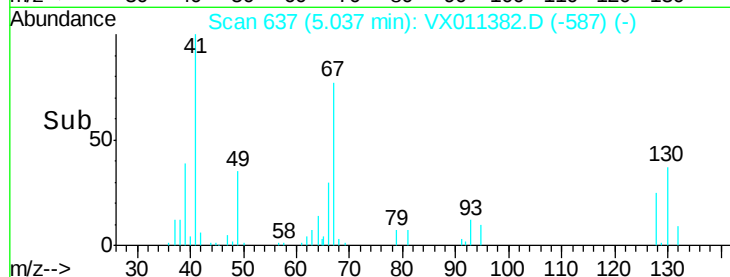
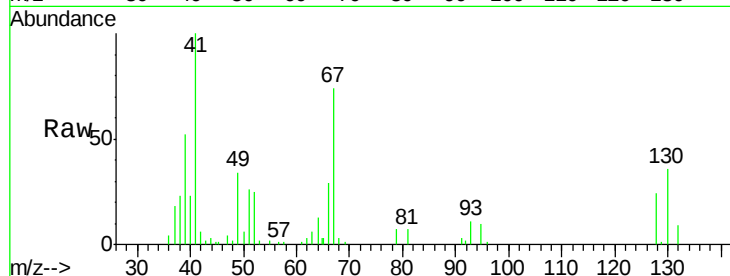
#41
Methacrylonitrile
Concen: 17.866 ug/l
RT: 5.04 min Scan# 637
Delta R.T. 0.01 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Instrument :
MSVOA_X
ClientSampled :
VX0808WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.1	43.0	64.6	
67	81.4	65.1	97.7	
52	32.2	24.8	37.2	

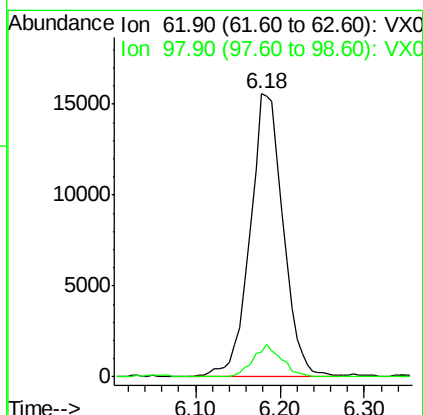
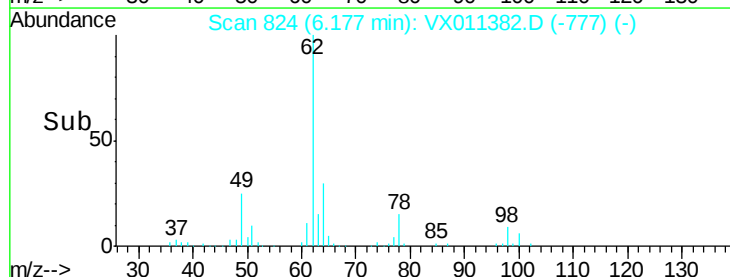
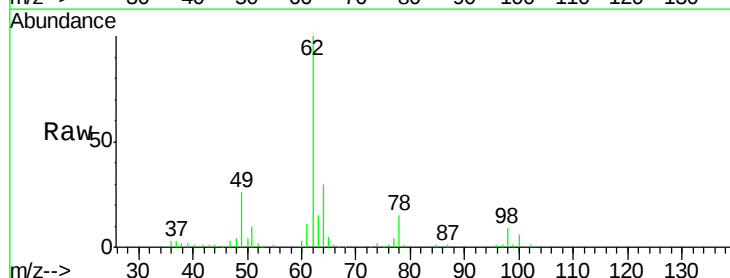
Manual Integrations
APPROVED

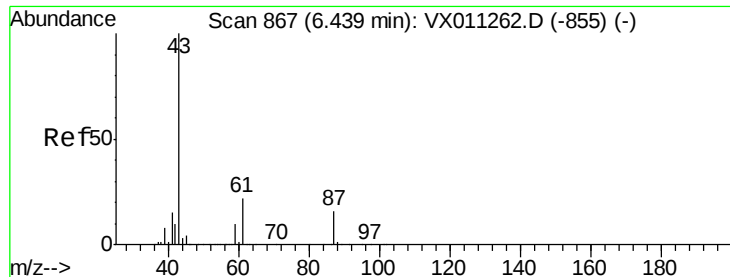
MMDadoda
8/9/2019 11:07:59 AM



#42
1,2-Dichloroethane
Concen: 19.522 ug/l
RT: 6.18 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	20.6	





#43

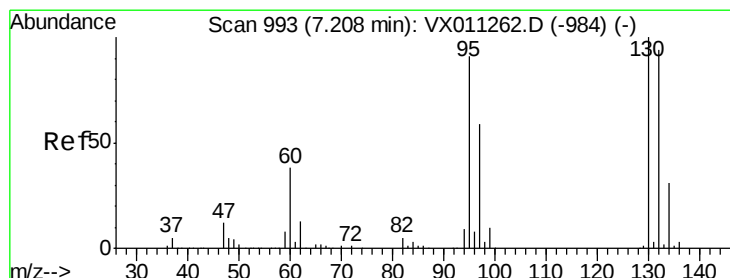
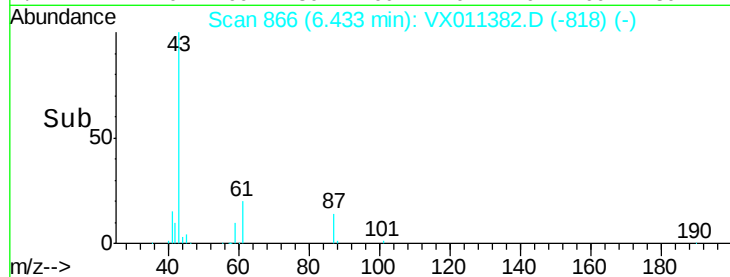
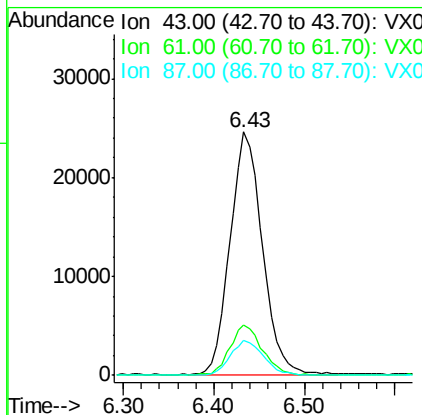
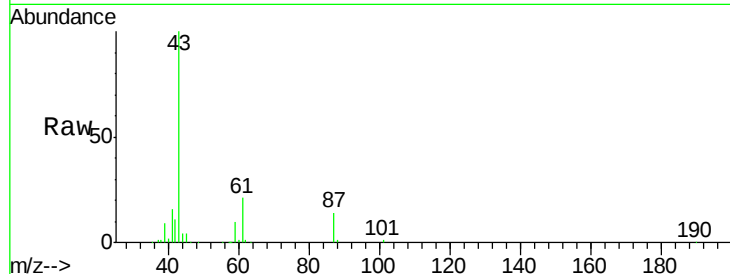
Isopropyl Acetate
 Concen: 17.750 ug/l
 RT: 6.43 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VX011382.D
 Acq: 08 Aug 2019 11:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.5	24.7
87	14.8	12.1	18.1

Manual Integrations
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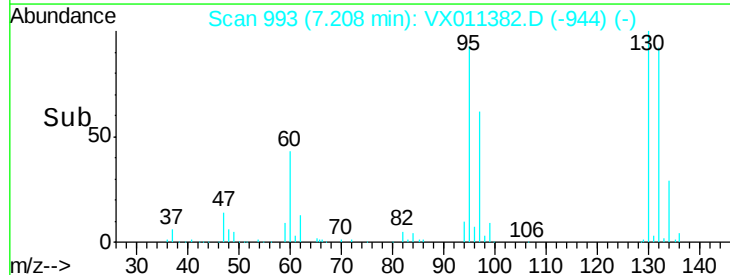
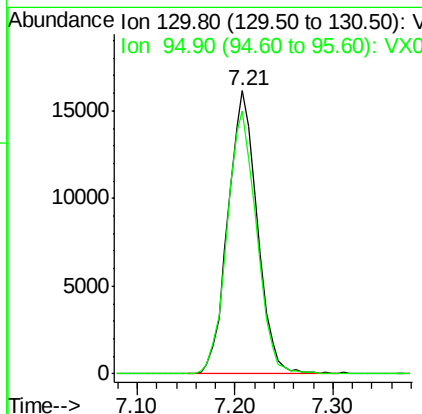
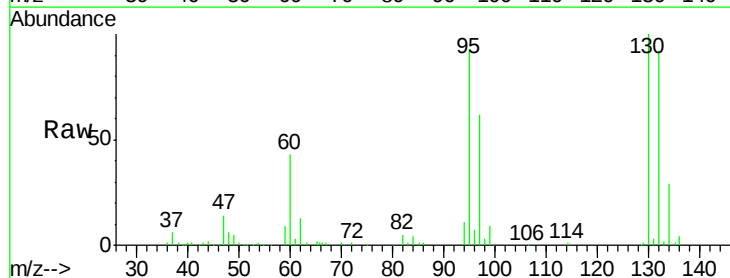
MMDadoda
 8/9/2019 11:07:59 AM

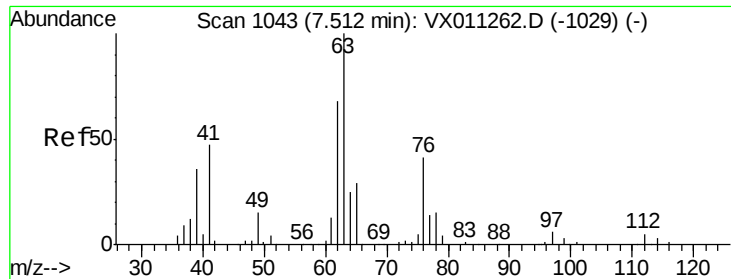


#44

Trichloroethene
 Concen: 17.550 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011382.D
 Acq: 08 Aug 2019 11:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.8	0.0	182.6





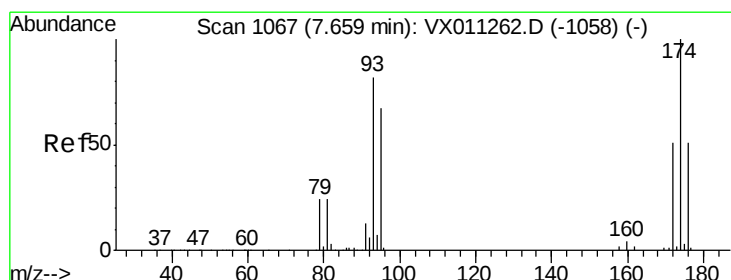
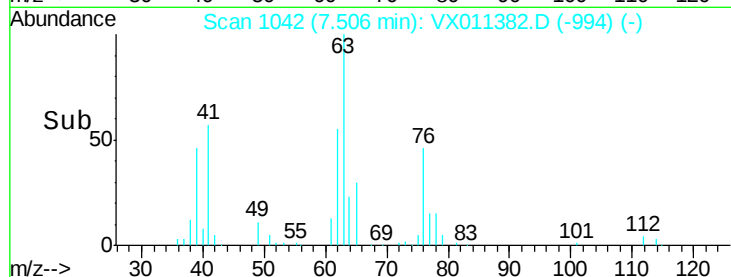
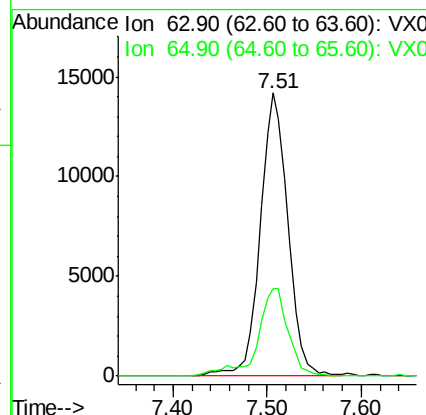
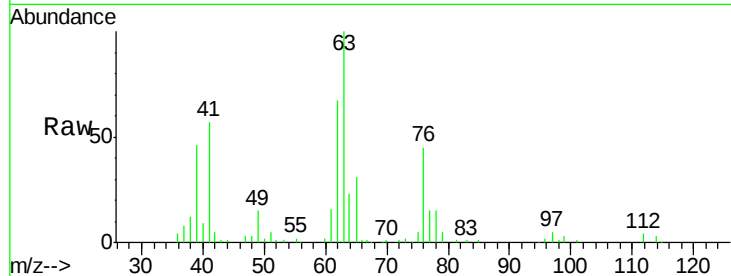
#45
 1,2-Dichloropropane
 Concen: 17.914 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX011382.D
 Acq: 08 Aug 2019 11:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	23.3	34.9

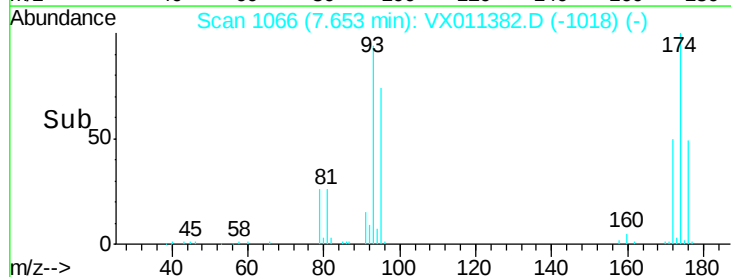
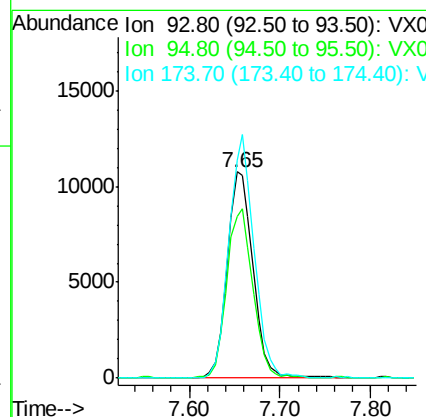
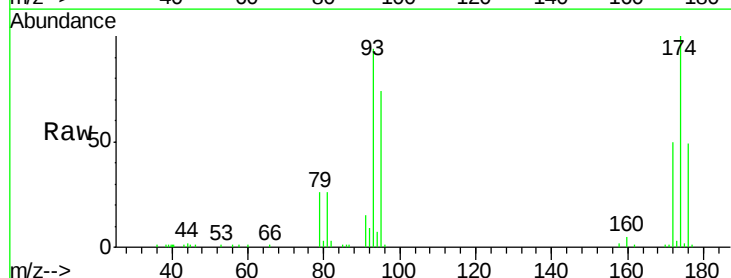
Manual Integrations
 APPROVED

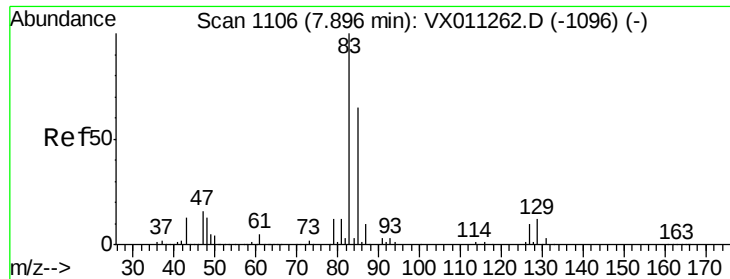
MMDadoda
 8/9/2019 11:07:59 AM



#46
 Dibromomethane
 Concen: 17.888 ug/l
 RT: 7.65 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: VX011382.D
 Acq: 08 Aug 2019 11:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.4	99.6
174	114.3	93.4	140.2





#47

Bromodichloromethane

Concen: 18.810 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Instrument :

MSVOA_X

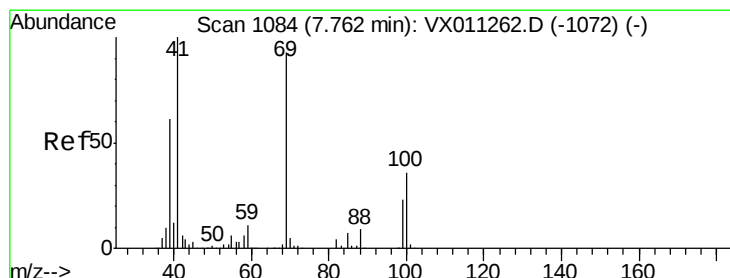
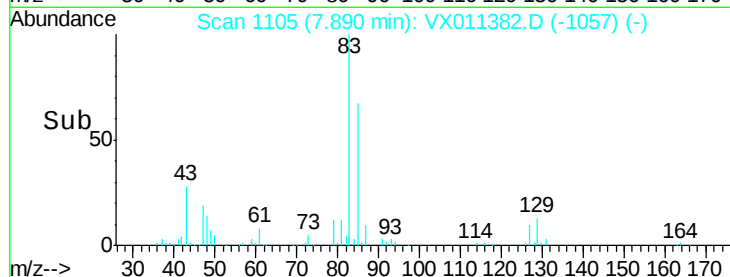
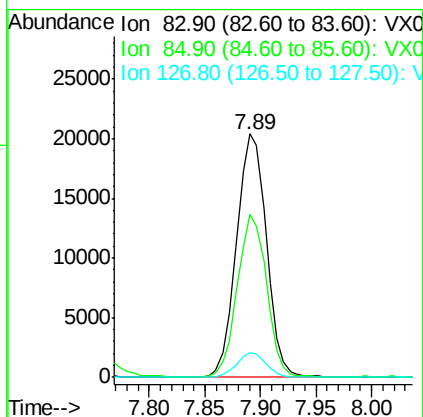
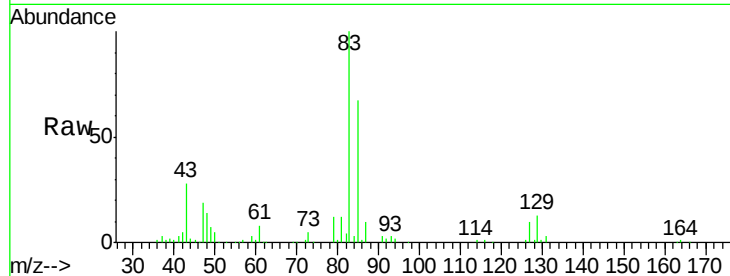
ClientSampled :

VX0808WBS01

Tot Ion:	83	Resp:	38097
Ion	Ratio	Lower	Upper
83	100		
85	66.9	52.2	78.2
127	10.1	7.8	11.8

Manual Integrations
APPROVED

MMDadoda
8/9/2019 11:07:59 AM



#48

Methyl methacrylate

Concen: 18.707 ug/l

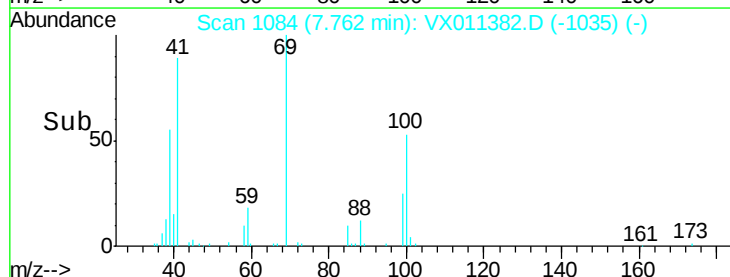
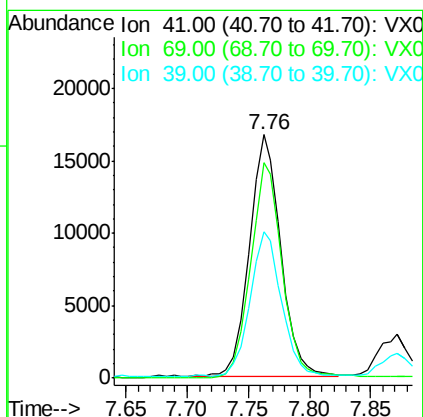
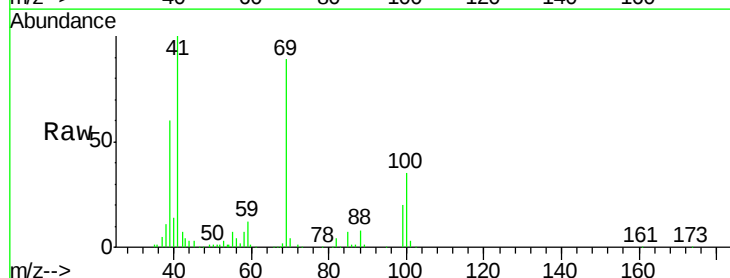
RT: 7.76 min Scan# 1084

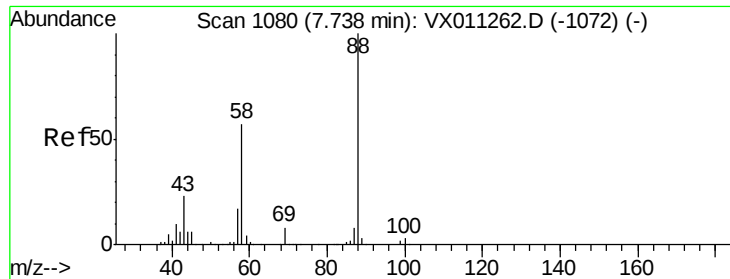
Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Tgt Ion:	41	Resp:	29936
Ion	Ratio	Lower	Upper
41	100		
69	89.6	74.5	111.7
39	59.8	48.6	72.8





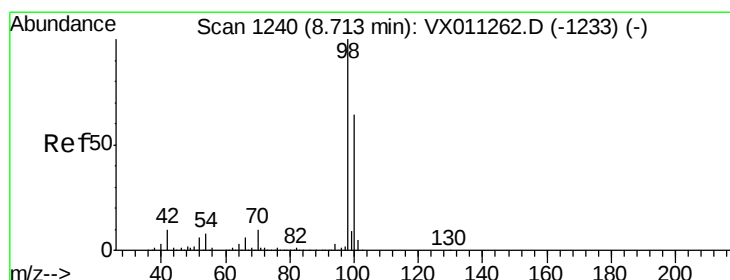
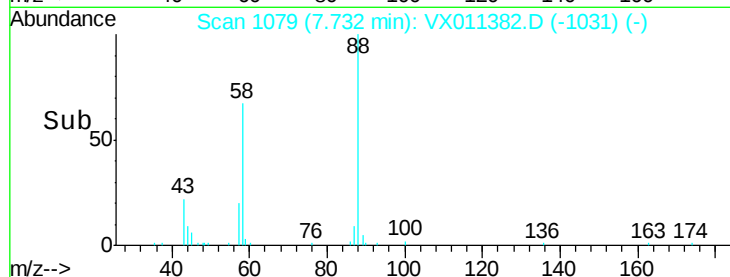
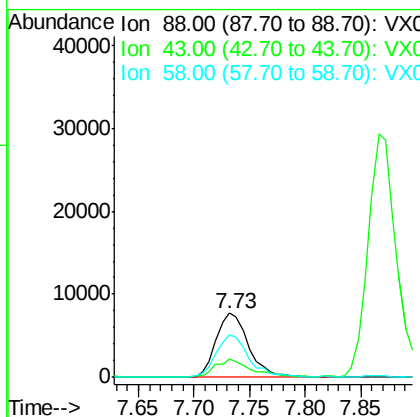
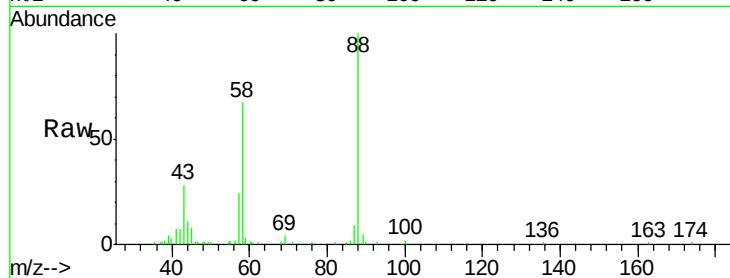
#49
1,4-Dioxane
Concen: 339.053 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	15730		
43	28.5		22.2	33.2
58	67.2		47.8	71.8

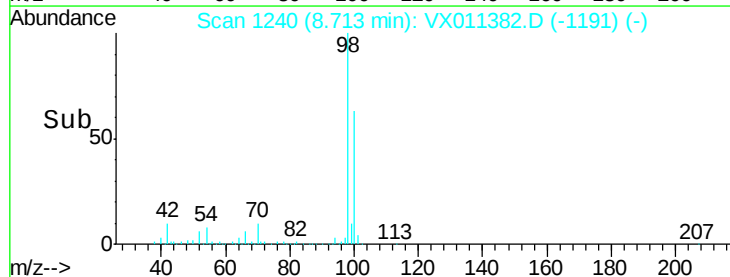
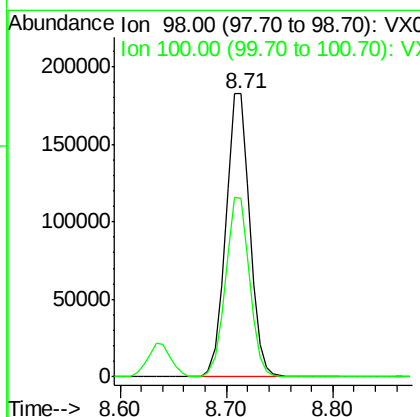
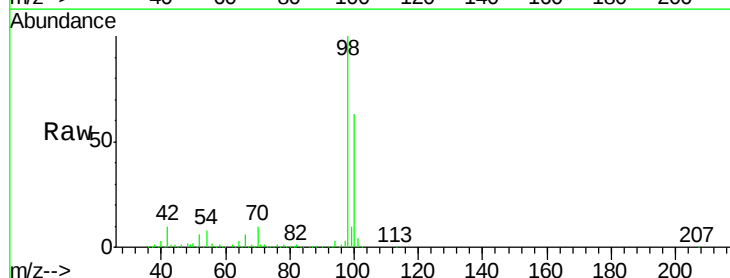
Manual Integrations
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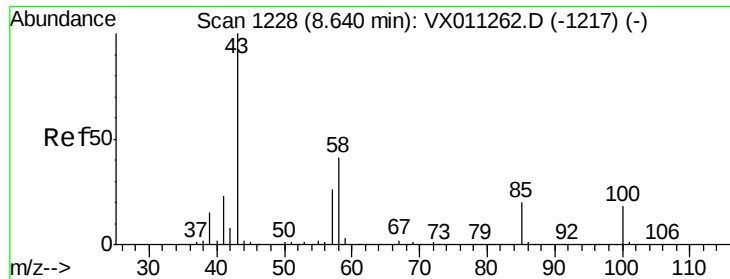
MMDadoda
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#50
Toluene-d8
Concen: 48.004 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	287309		
100	63.4		51.7	77.5





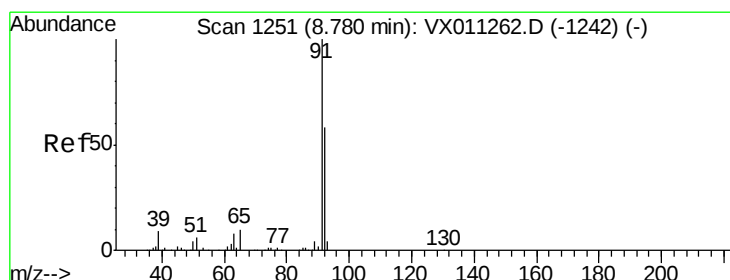
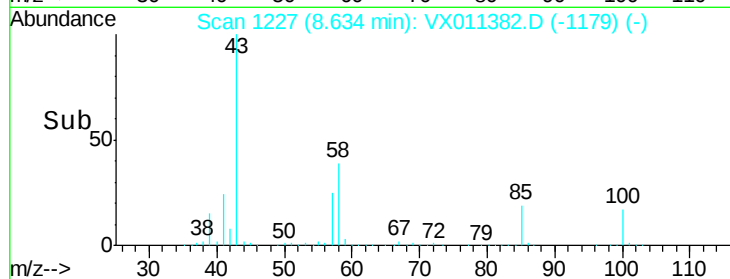
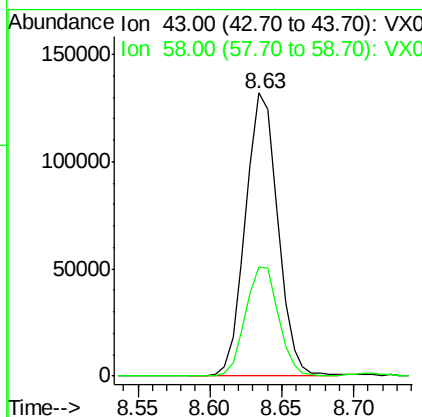
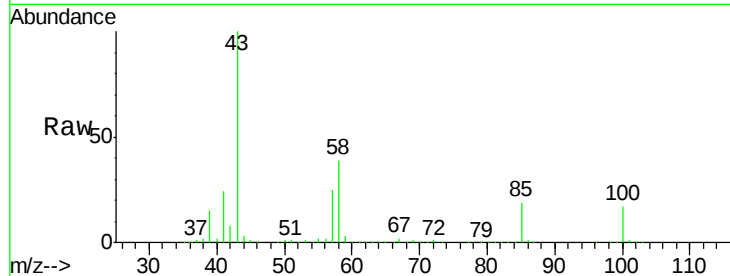
#51
4-Methyl-2-Pentanone
Concen: 93.571 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Instrument :
MSVOA_X
ClientSampled :
VX0808WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.4	32.3	48.5

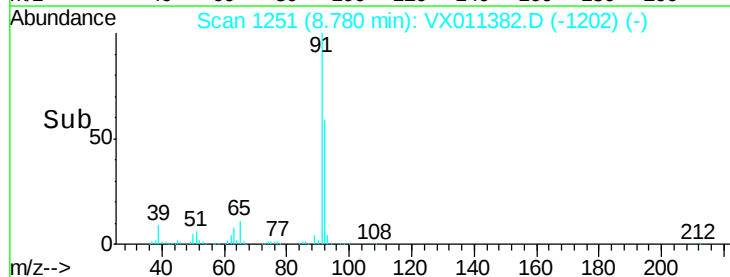
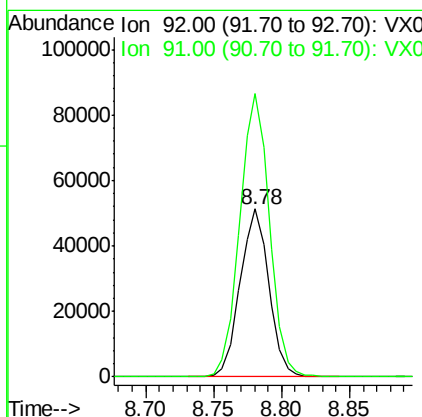
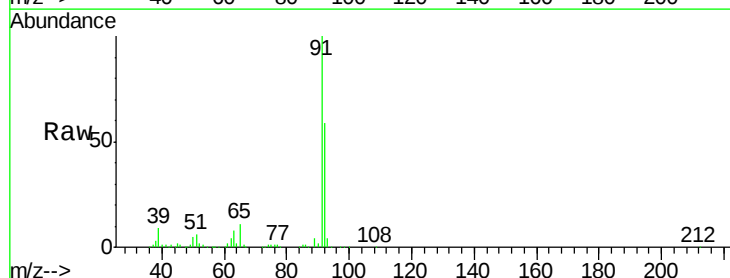
Manual Integrations
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8/9/2019 11:07:59 AM



#52
Toluene
Concen: 18.131 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.4	139.4	209.0





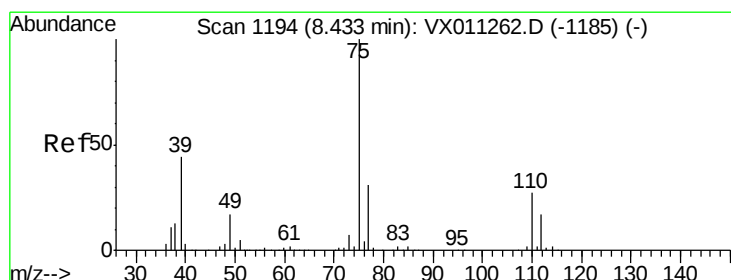
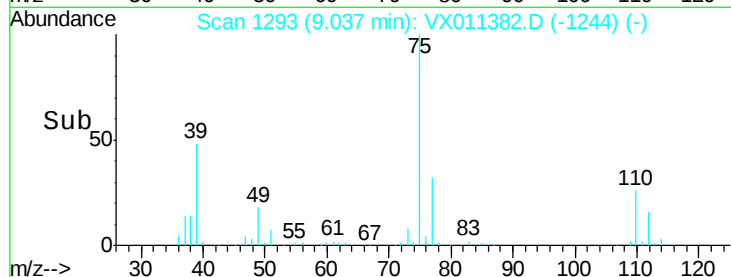
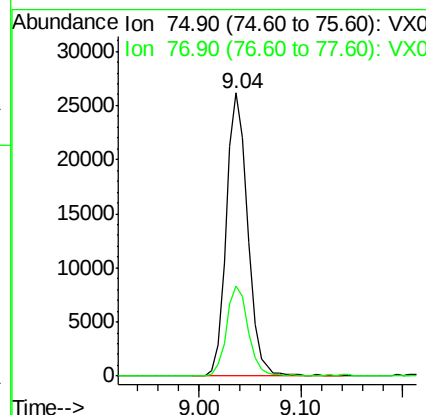
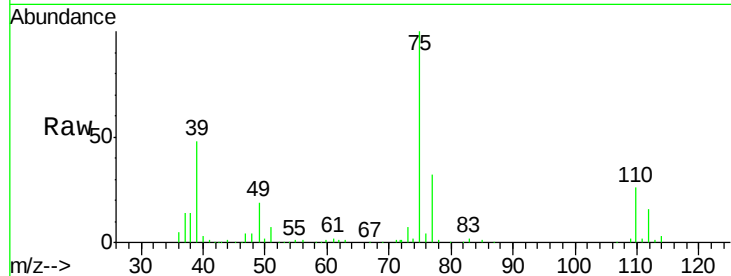
#53
 t-1,3-Dichloropropene
 Concen: 18.109 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VX011382.D
 Acq: 08 Aug 2019 11:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBS01

Tot Ion: 75 Resp: 38188
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.4 38.0

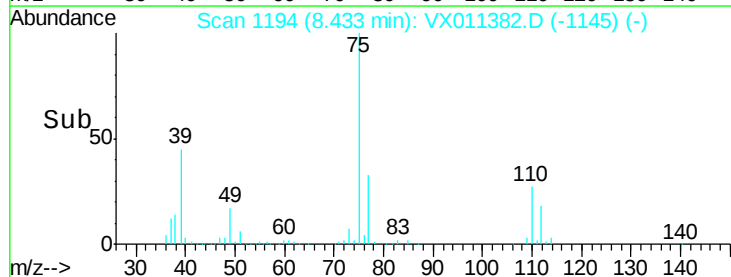
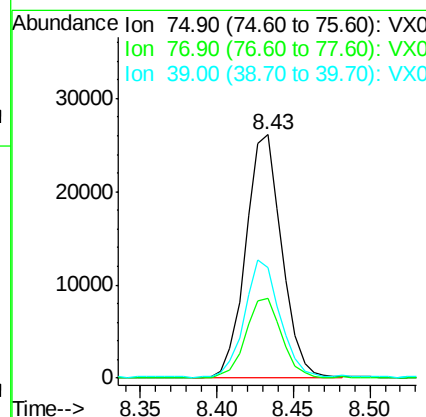
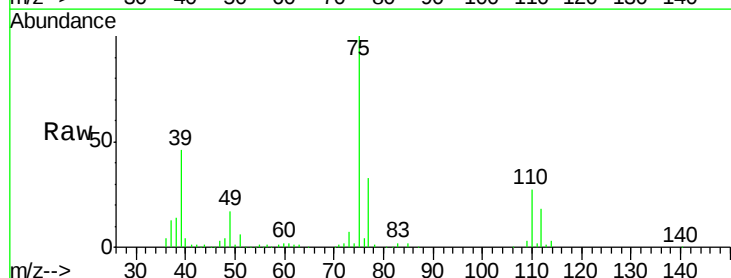
Manual Integrations
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#54
 cis-1,3-Dichloropropene
 Concen: 18.081 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX011382.D
 Acq: 08 Aug 2019 11:21

Tgt Ion: 75 Resp: 42777
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.0 37.6
 39 45.2 35.3 52.9





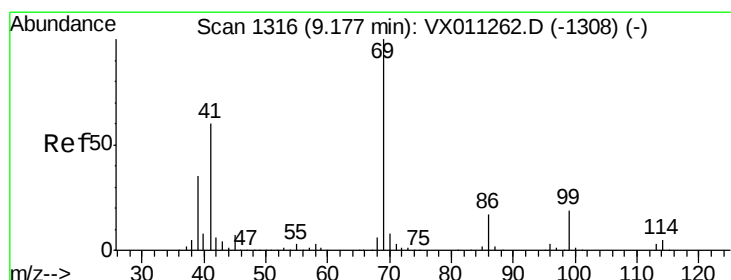
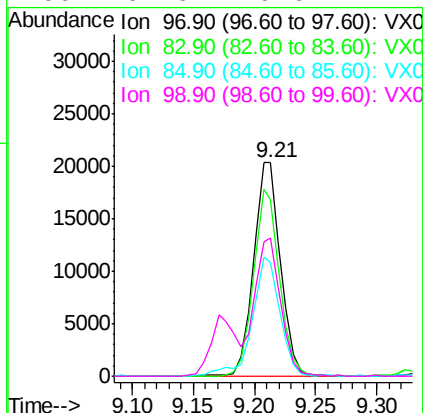
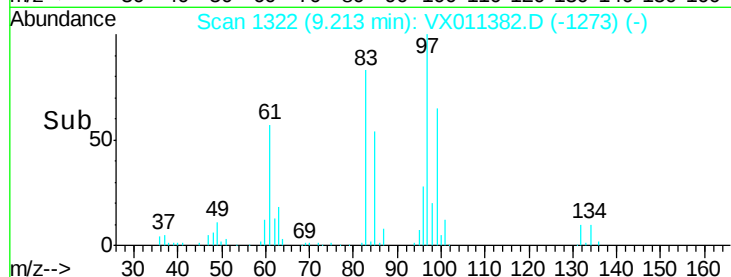
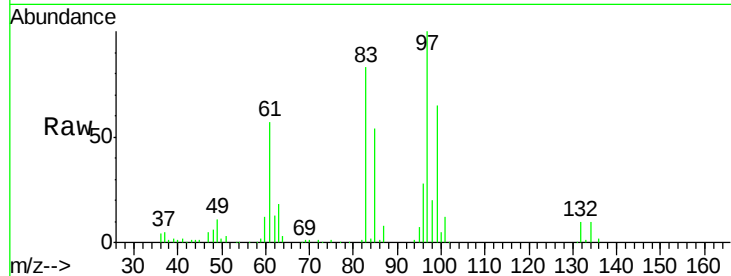
#55
 1,1,2-Trichloroethane
 Concen: 18.129 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011382.D
 Acq: 08 Aug 2019 11:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBS01

Tot Ion:	97	Resp:	31183
Ion	Ratio	Lower	Upper
97	100		
83	82.8	67.6	101.4
85	53.3	43.4	65.0
99	64.6	49.6	74.4

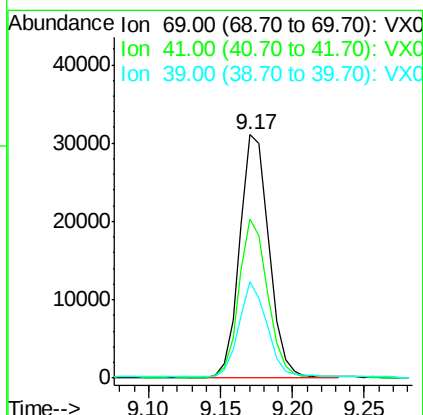
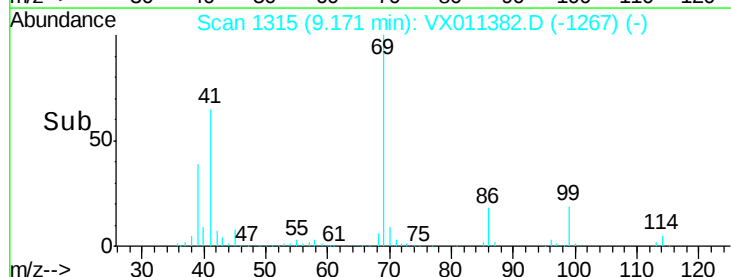
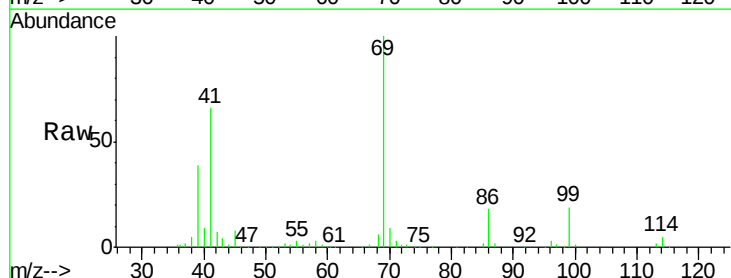
Manual Integrations
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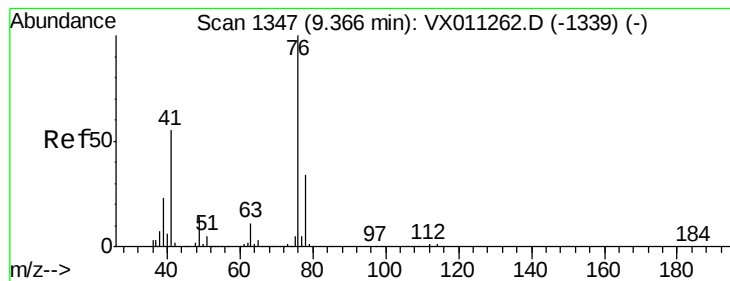
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 8/9/2019 11:07:59 AM



#56
 Ethyl methacrylate
 Concen: 17.965 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VX011382.D
 Acq: 08 Aug 2019 11:21

Tgt Ion:	69	Resp:	44035
Ion	Ratio	Lower	Upper
69	100		
41	64.4	48.6	73.0
39	39.1	29.4	44.2





#57

1,3-Dichloropropane

Concen: 18.459 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBS01

Tot Ion: 76 Resp: 50213

Ion Ratio Lower Upper

76 100

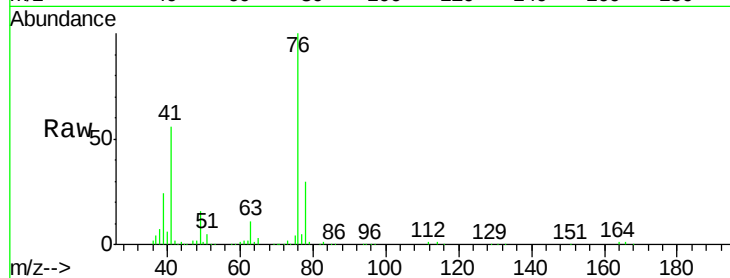
78 32.0 26.6 40.0

Manual Integrations

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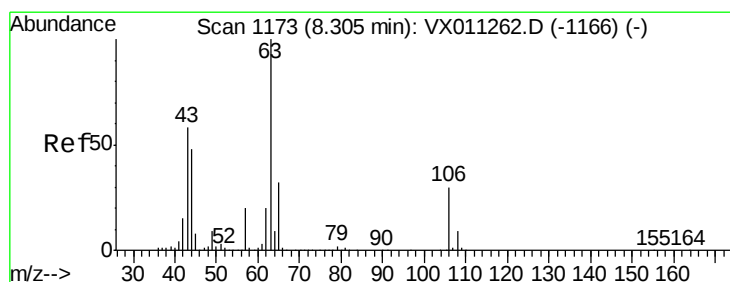
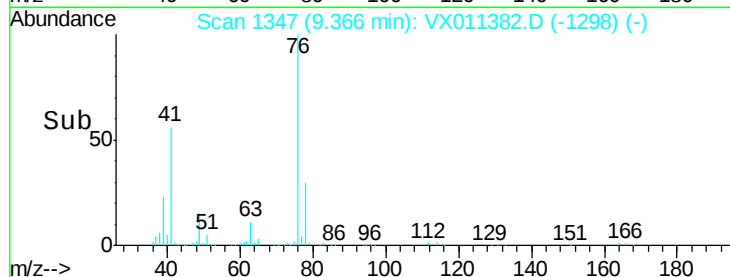
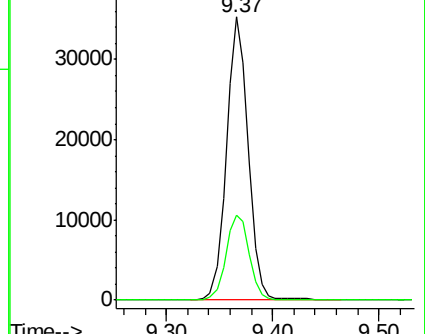
MMDadoda

8/9/2019 11:07:59 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: 95.846 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011382.D

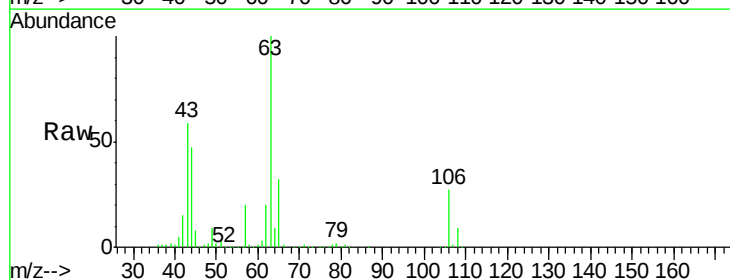
Acq: 08 Aug 2019 11:21

Tgt Ion: 63 Resp: 115516

Ion Ratio Lower Upper

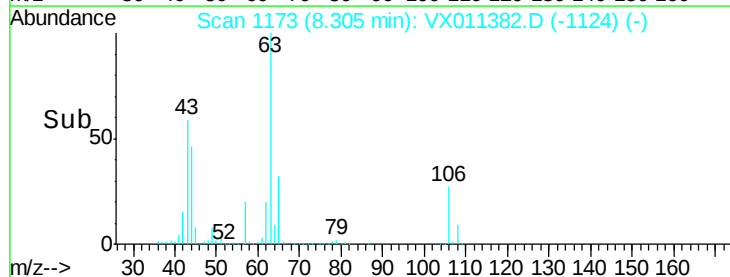
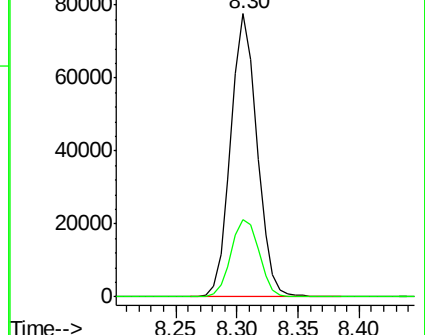
63 100

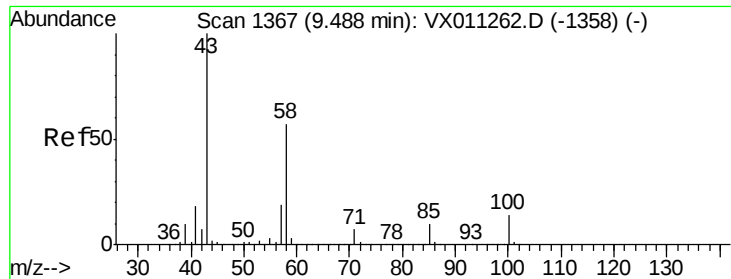
106 29.5 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





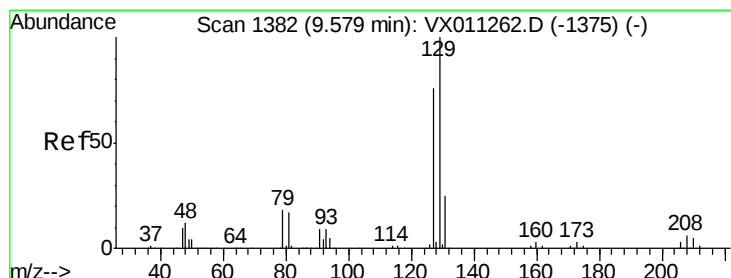
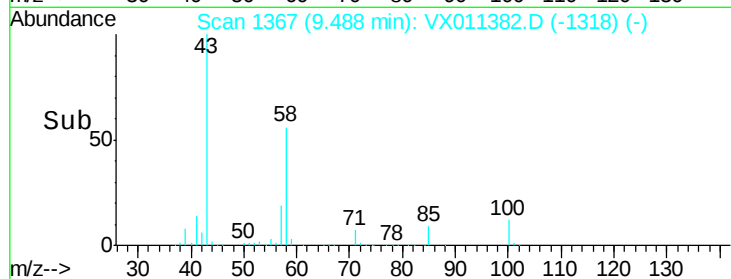
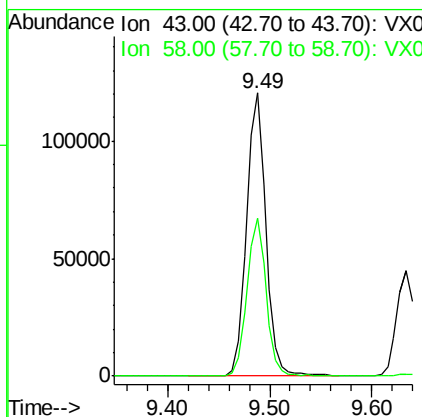
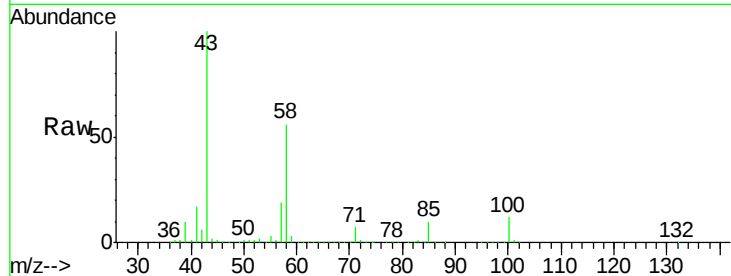
#59
2-Hexanone
Concen: 93.046 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Instrument :
MSVOA_X
ClientSampled :
VX0808WBS01

Tot Ion: 43 Resp: 158159
Ion Ratio Lower Upper
43 100
58 55.8 28.2 84.6

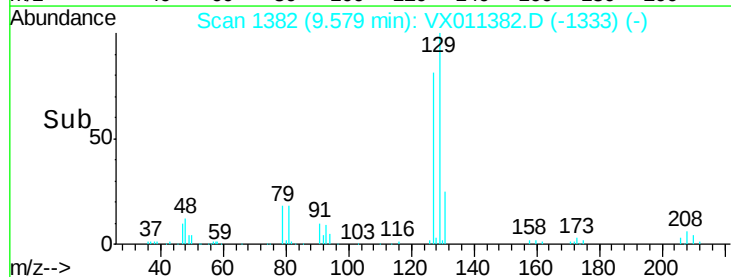
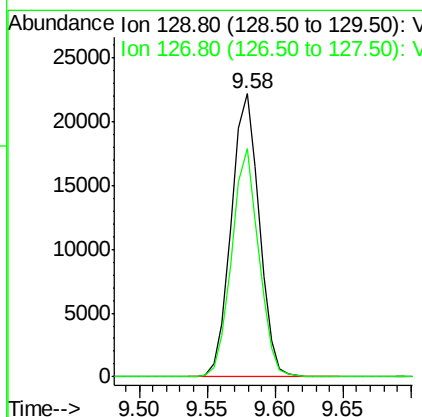
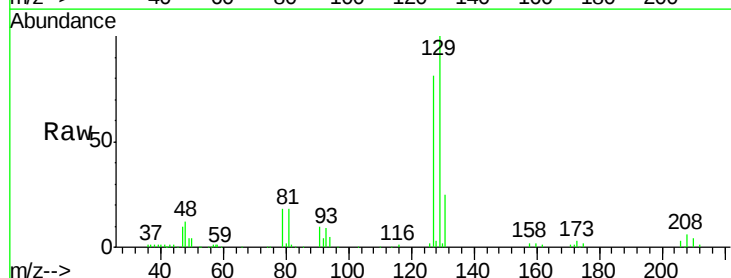
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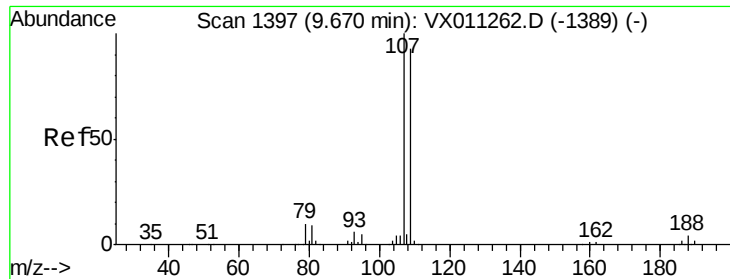
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#60
Dibromochloromethane
Concen: 18.073 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Tgt Ion: 129 Resp: 31827
Ion Ratio Lower Upper
129 100
127 78.2 39.2 117.6





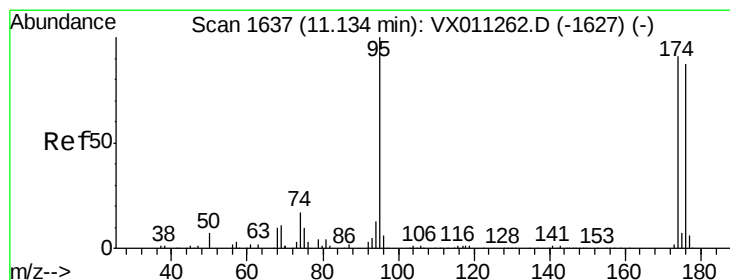
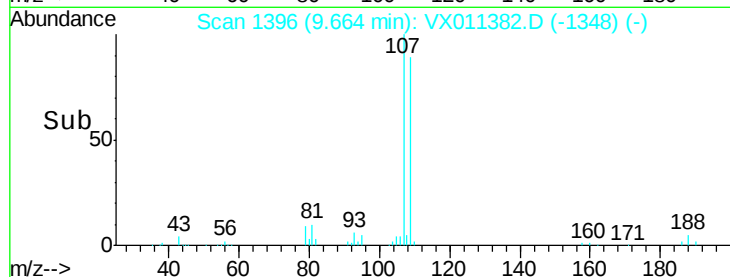
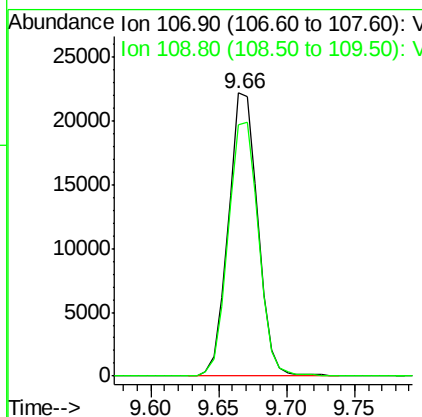
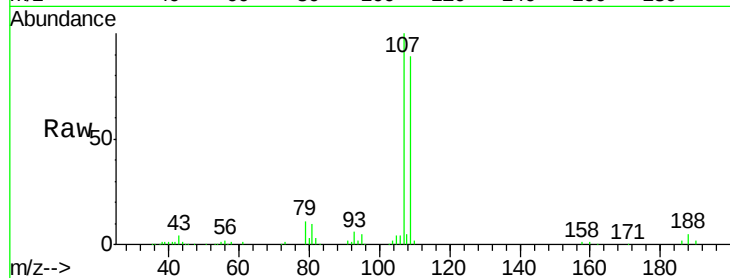
#61
 1,2-Dibromoethane
 Concen: 17.918 ug/l
 RT: 9.66 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: VX011382.D
 Acq: 08 Aug 2019 11:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	76.6	114.8

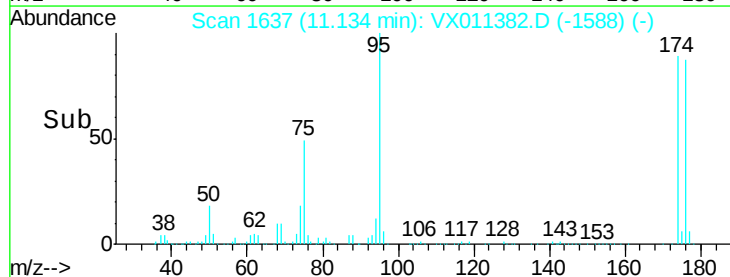
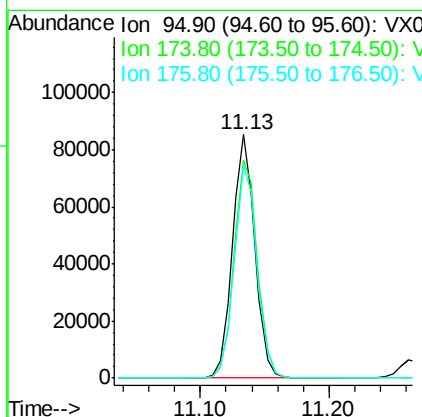
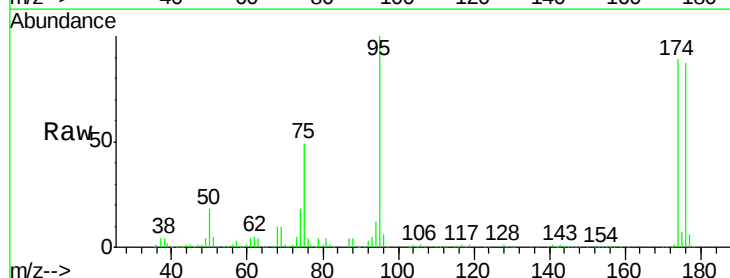
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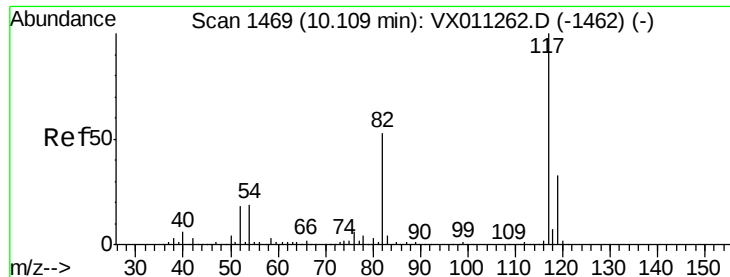
MMDadoda
 8/9/2019 11:07:59 AM



#62
 4-Bromofluorobenzene
 Concen: 48.510 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX011382.D
 Acq: 08 Aug 2019 11:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.9	0.0	191.2
176	88.7	0.0	184.8





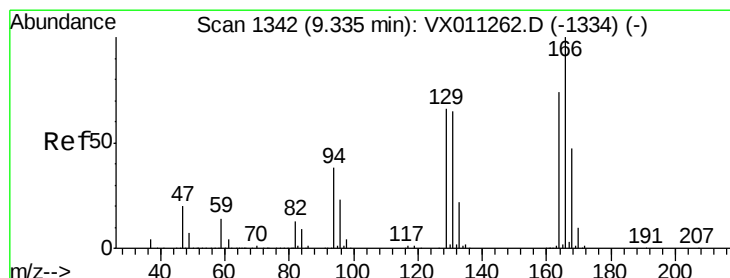
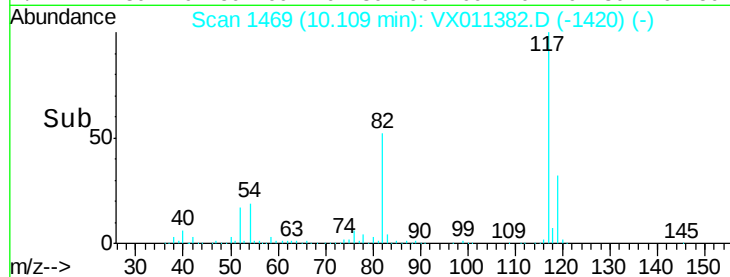
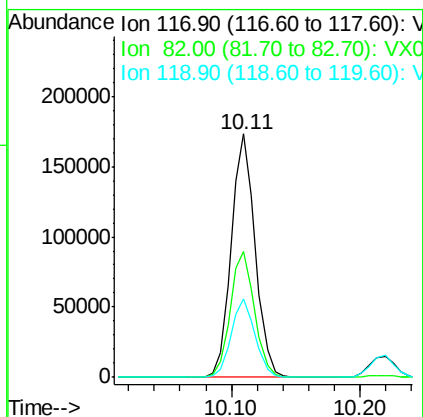
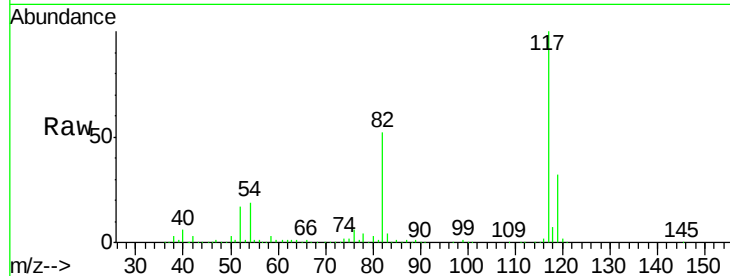
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	42.2	63.2
119	32.4	26.6	39.8

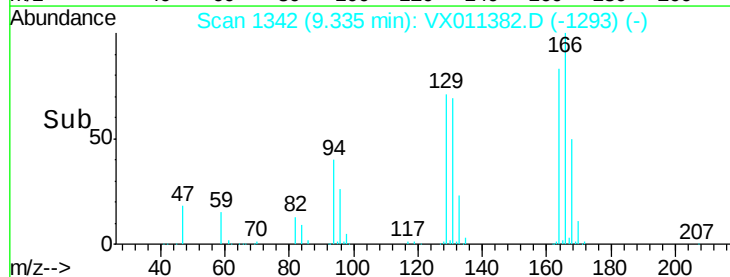
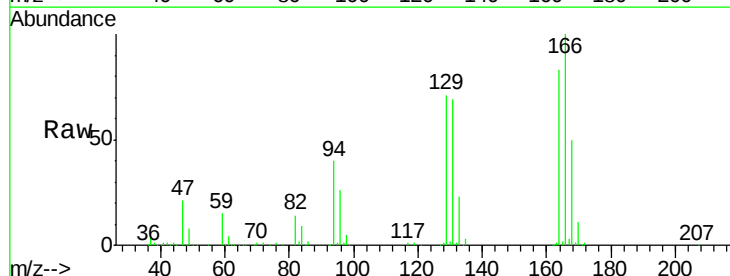
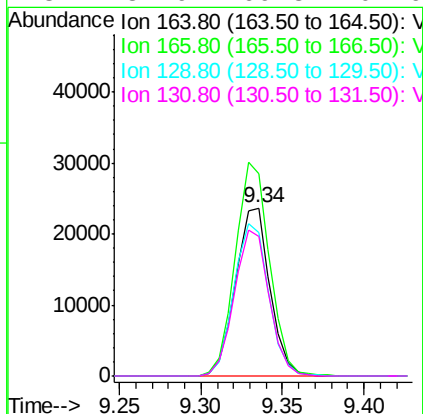
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8/9/2019 11:07:59 AM



#64
Tetrachloroethene
Concen: 18.255 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.9	107.5	161.3
129	85.8	71.0	106.4
131	82.9	69.8	104.6





#65

Chlorobenzene

Concen: 17.628 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Instrument :

MSVOA_X

ClientSampled :

VX0808WBS01

Tot Ion:112 Resp: 84788

Ion Ratio Lower Upper

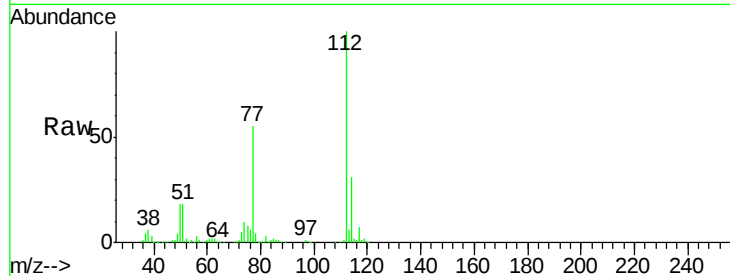
112 100

114 30.9 25.9 38.9

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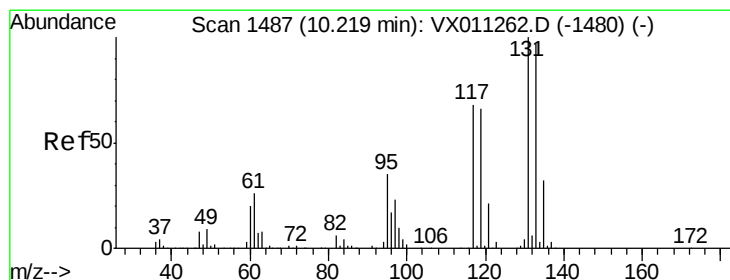
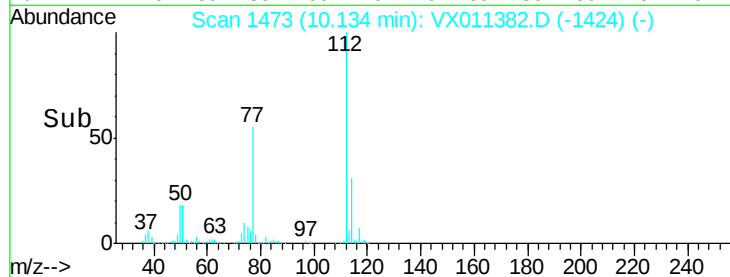
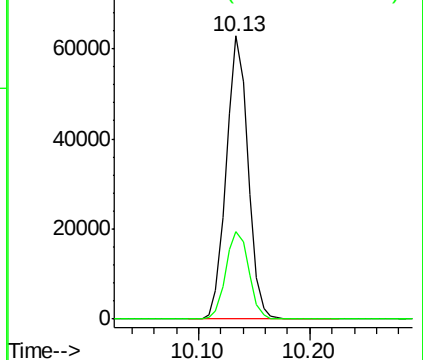
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.877 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

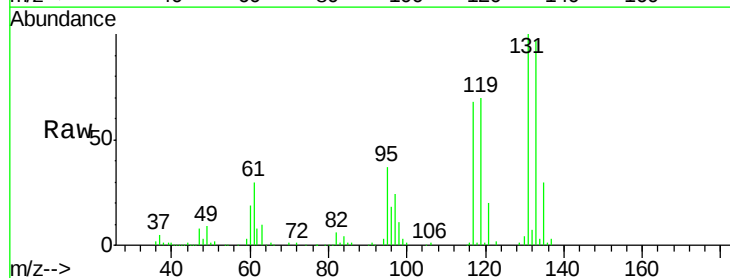
Tgt Ion:131 Resp: 31085

Ion Ratio Lower Upper

131 100

133 94.2 47.7 143.1

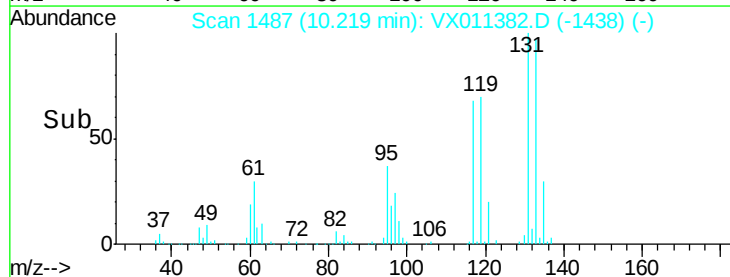
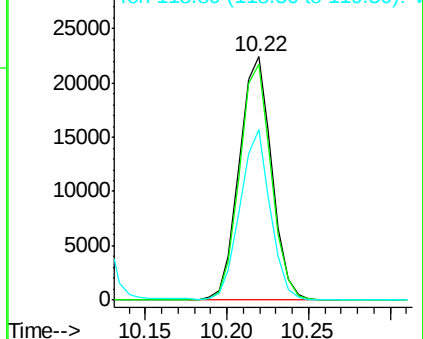
119 65.6 32.8 98.3

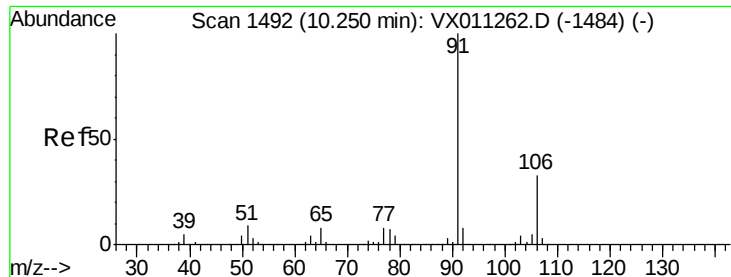


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.060 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Instrument :

MSVOA_X

ClientSampled :

VX0808WBS01

Tot Ion: 91 Resp: 145476

Ion Ratio Lower Upper

91 100

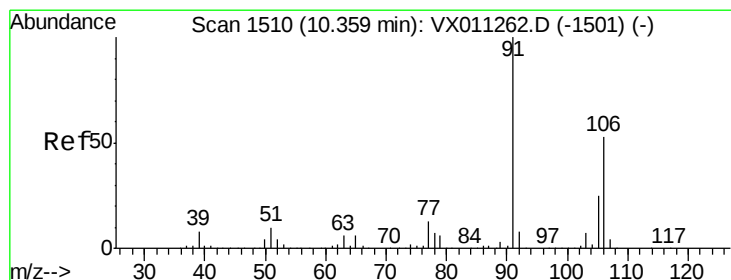
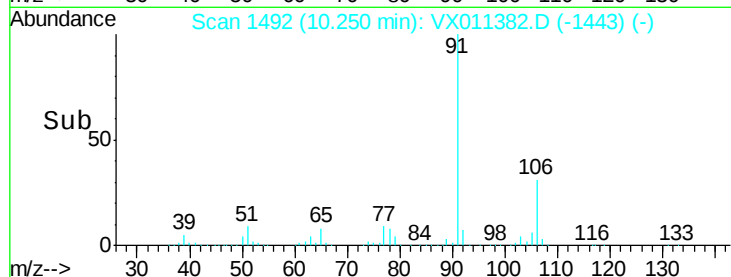
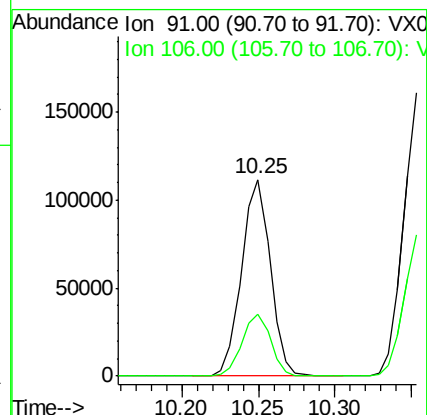
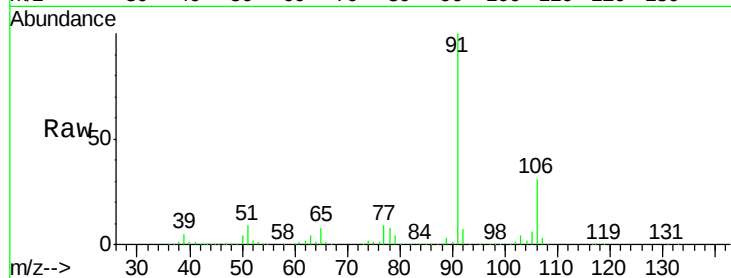
106 31.5 26.2 39.4

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#68

m/p-Xylenes

Concen: 36.100 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX011382.D

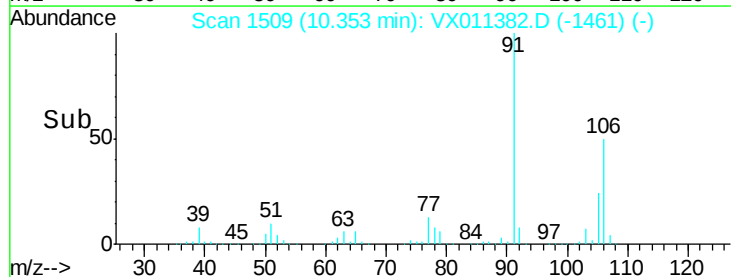
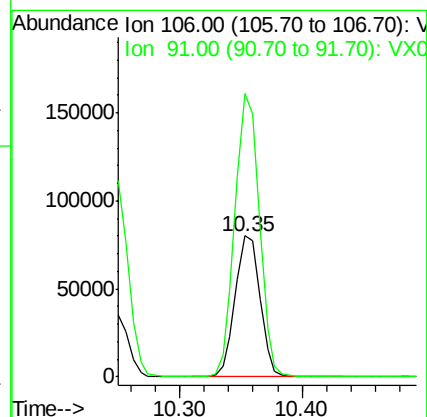
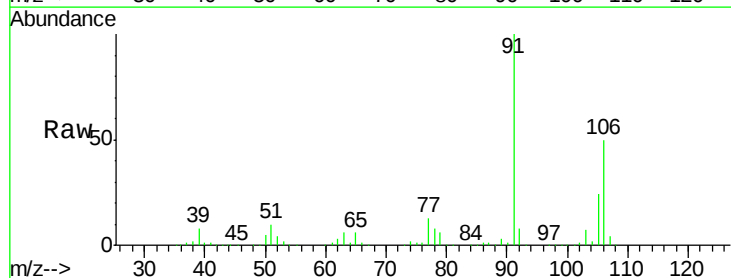
Acq: 08 Aug 2019 11:21

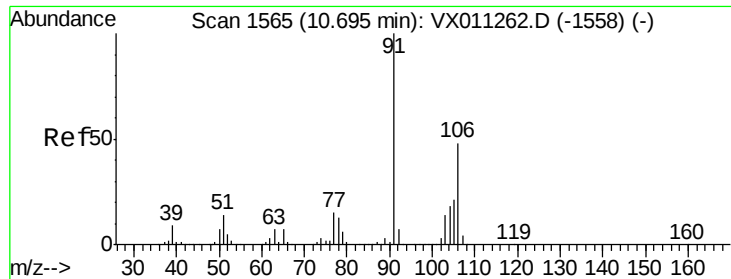
Tgt Ion: 106 Resp: 112479

Ion Ratio Lower Upper

106 100

91 197.3 155.9 233.9





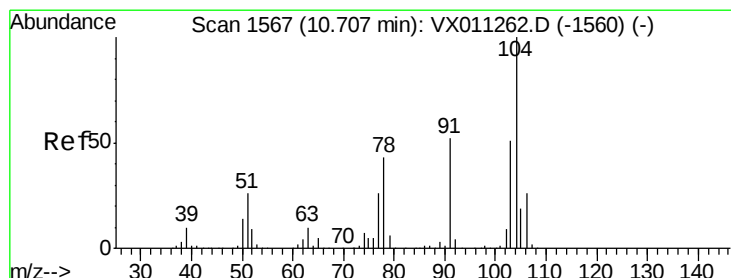
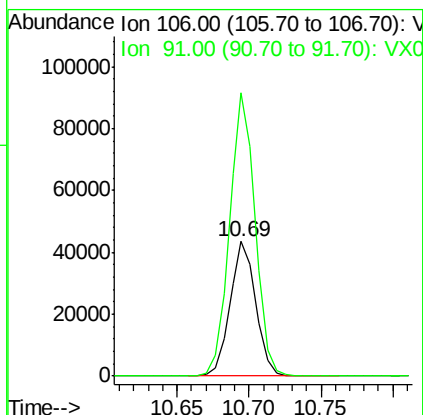
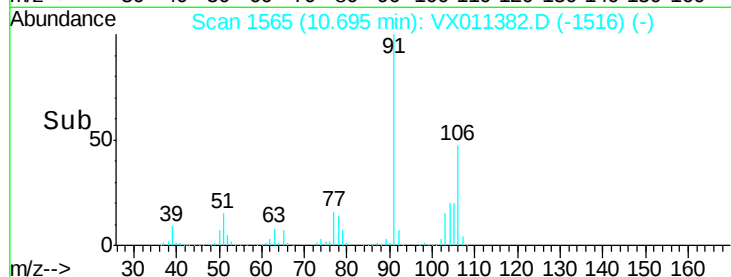
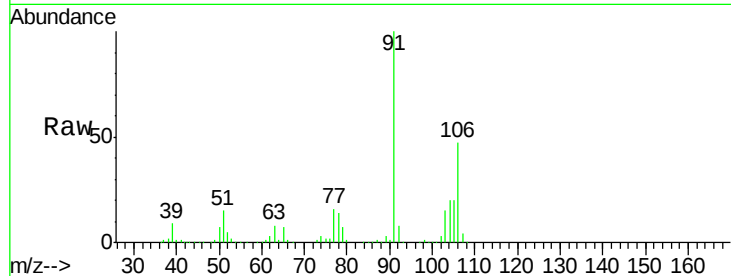
#69
o-Xylene
Concen: 17.765 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Instrument :
MSVOA_X
ClientSampled :
VX0808WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	209.4	103.8	311.3	

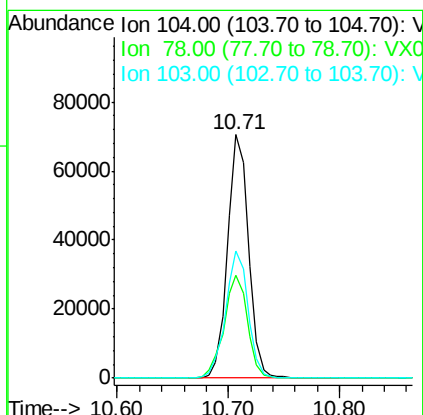
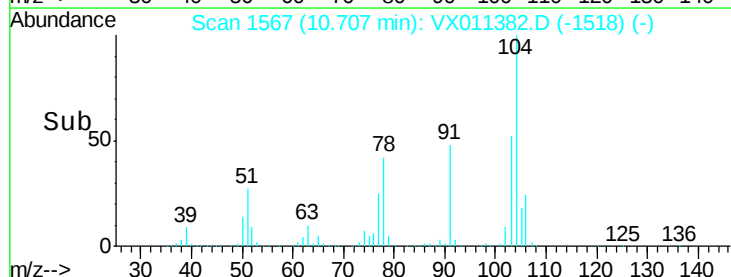
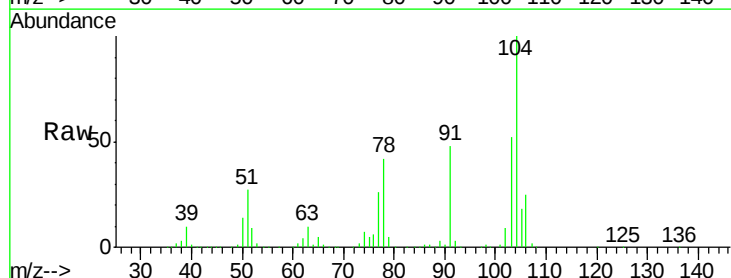
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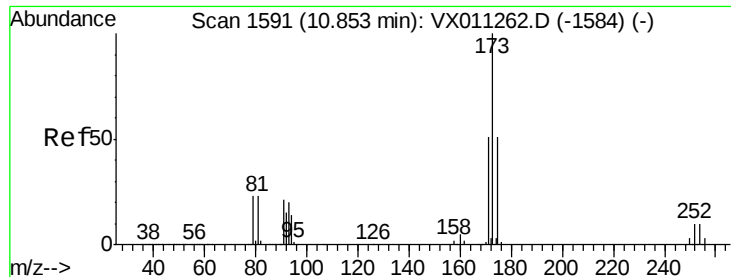
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#70
Styrene
Concen: 18.210 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.2	36.9	55.3	
103	56.3	44.4	66.6	





#71

Bromoform

Concen: 17.230 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Instrument :

MSVOA_X

ClientSampled :

VX0808WBS01

Tot Ion:173 Resp: 22467

Ion Ratio Lower Upper

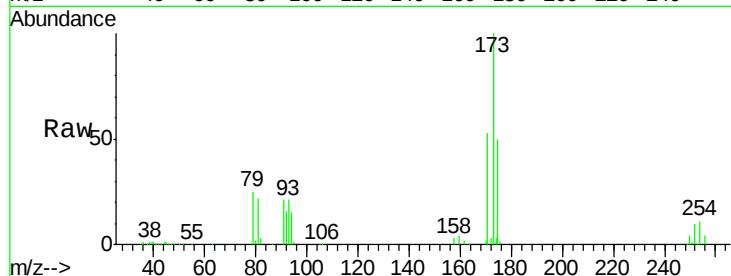
173 100

175 50.9 24.4 73.4

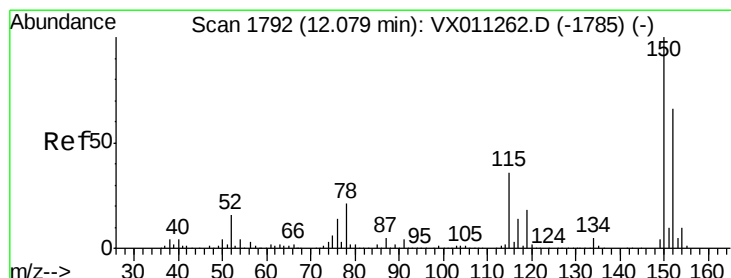
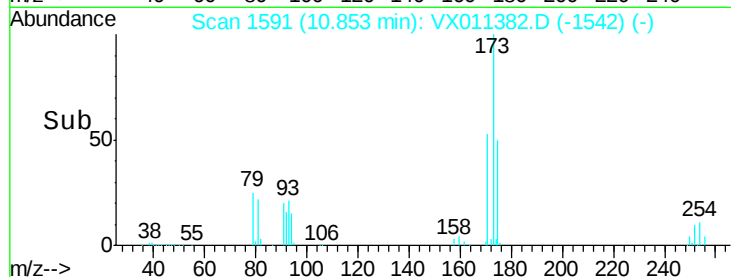
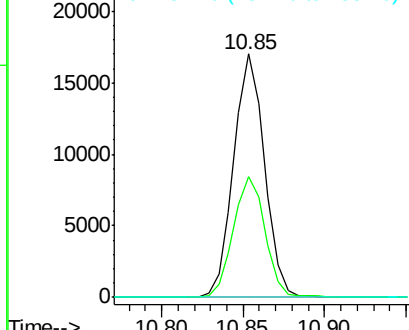
254 0.0 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

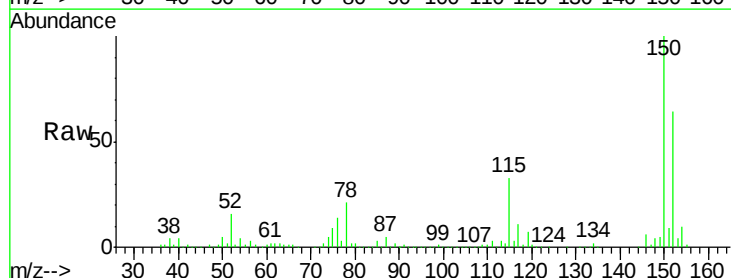
Tgt Ion:152 Resp: 117960

Ion Ratio Lower Upper

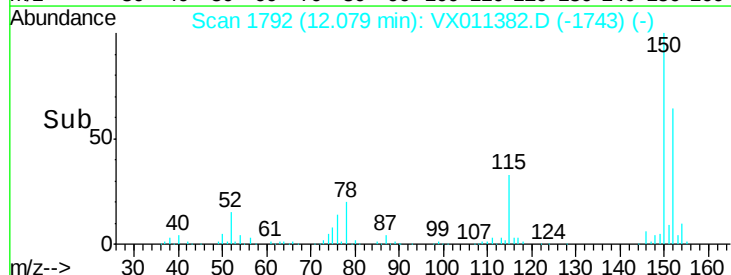
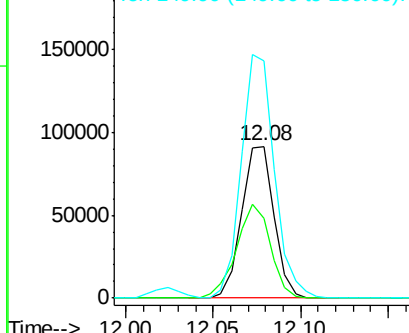
152 100

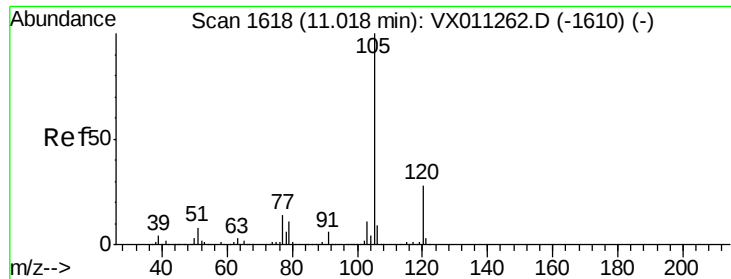
115 65.1 40.0 119.9

150 164.6 0.0 350.4



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





#73

Isopropylbenzene

Concen: 18.291 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Instrument :

MSVOA_X

ClientSampled :

VX0808WBS01

Tot Ion: 105 Resp: 147567

Ion Ratio Lower Upper

105 100

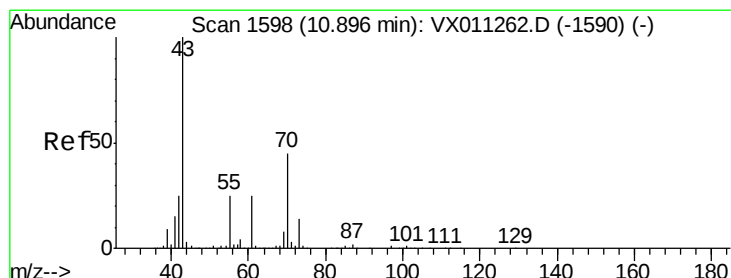
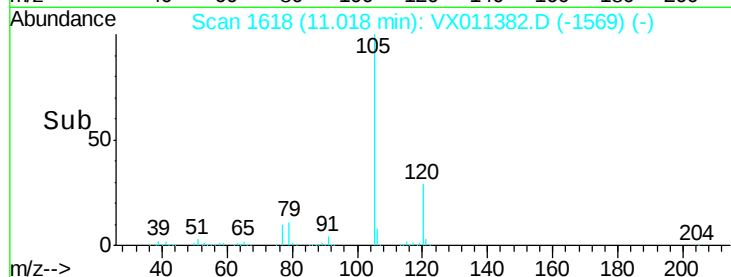
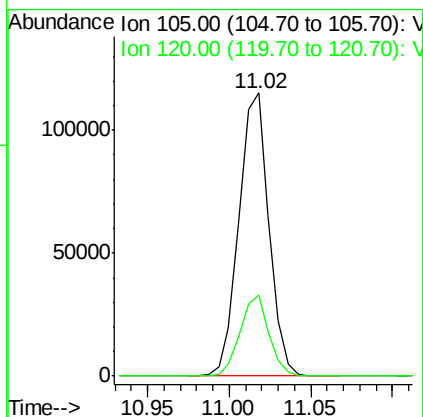
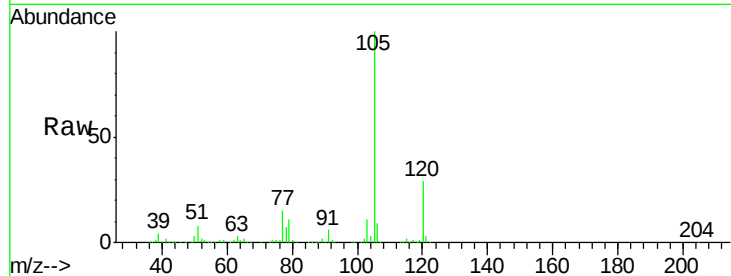
120 27.7 13.7 41.1

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#74

N-ethyl acetate

Concen: 18.696 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Tgt Ion: 43 Resp: 54501

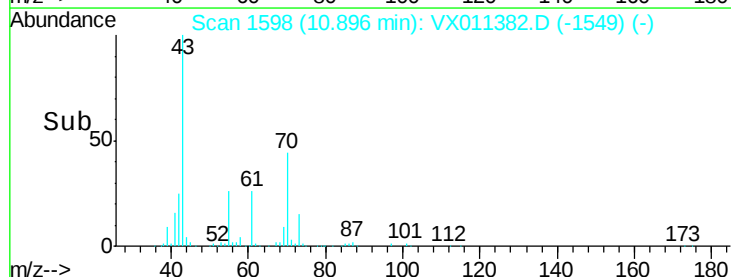
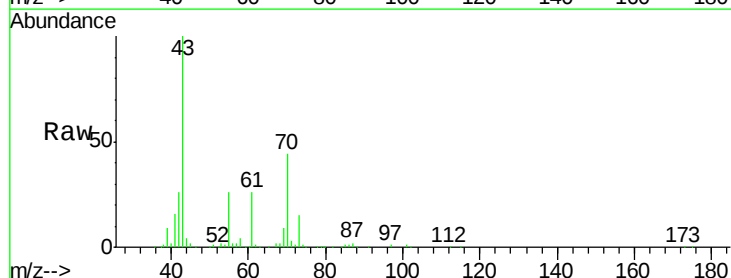
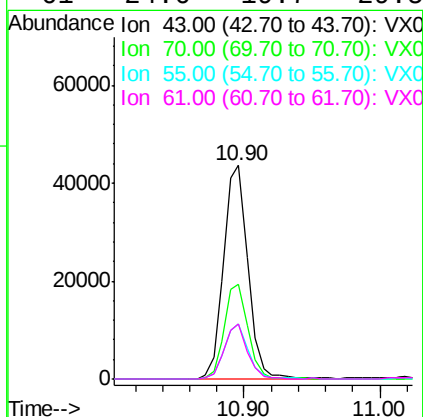
Ion Ratio Lower Upper

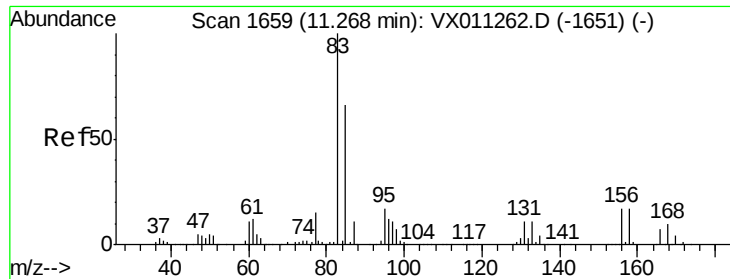
43 100

70 43.6 35.9 53.9

55 25.7 19.8 29.6

61 24.6 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.125 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Instrument :

MSVOA_X

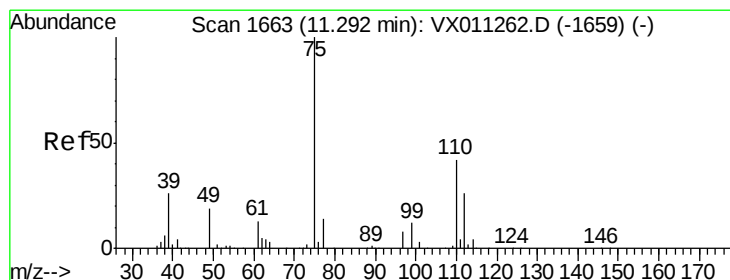
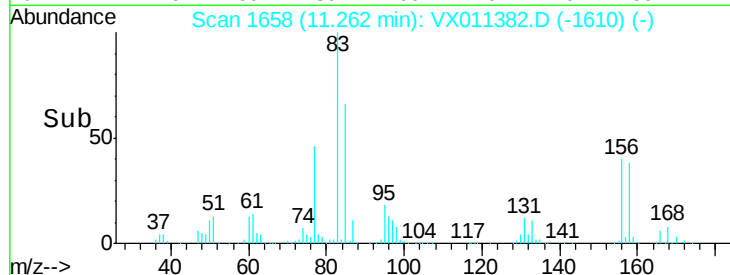
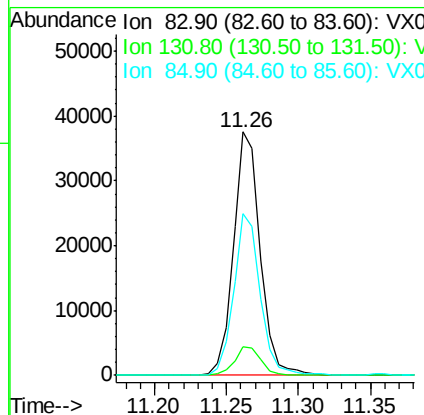
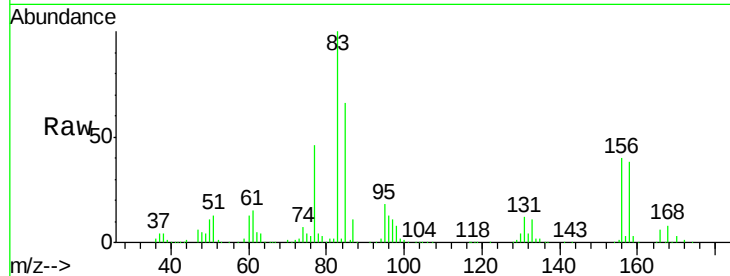
ClientSampled :

VX0808WBS01

Tot Ion:	83	Resp:	48730
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.6	16.8
85	66.2	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.513 ug/l m

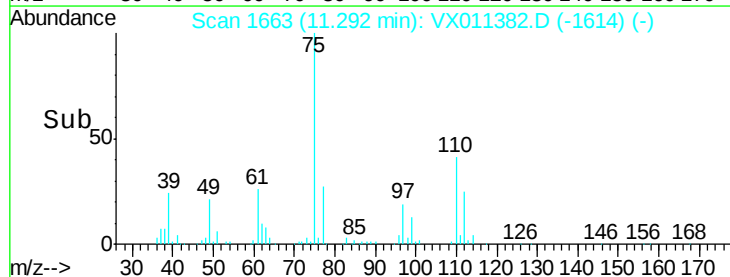
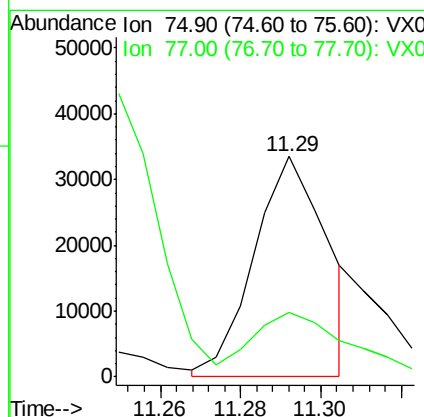
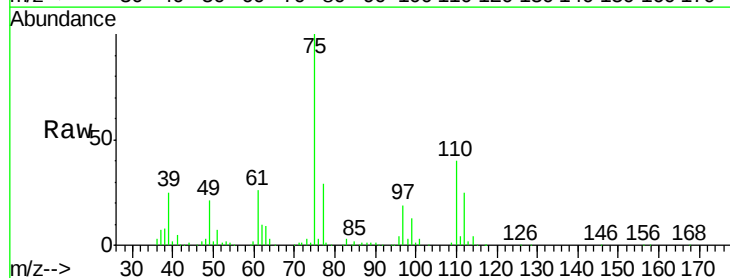
RT: 11.29 min Scan# 1663

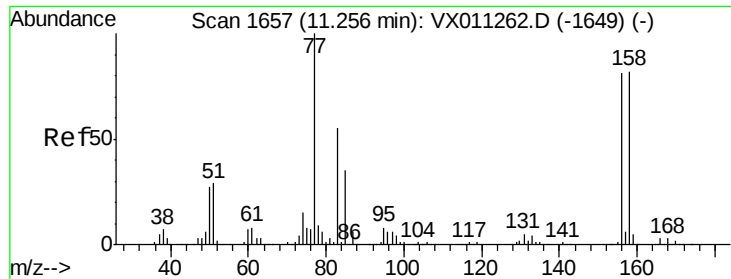
Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Tgt Ion:	75	Resp:	41918
Ion Ratio	Lower	Upper	
75	100		
77	38.8	21.1	63.4





#77

Bromobenzene

Concen: 17.980 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Instrument :

MSVOA_X

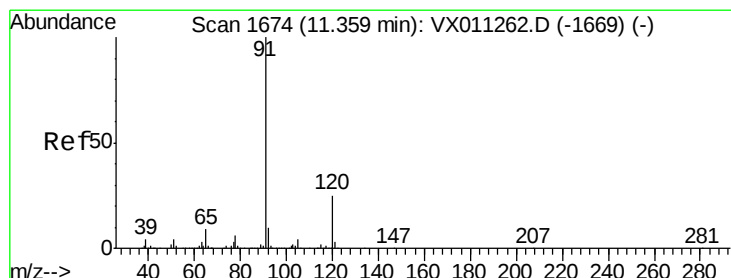
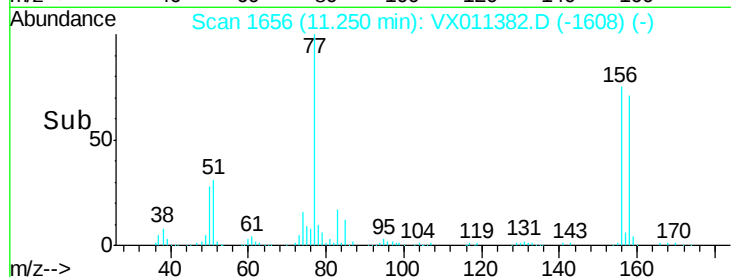
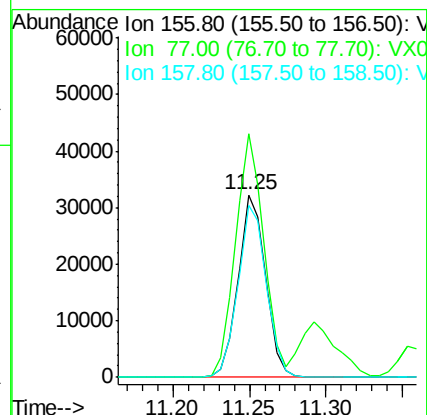
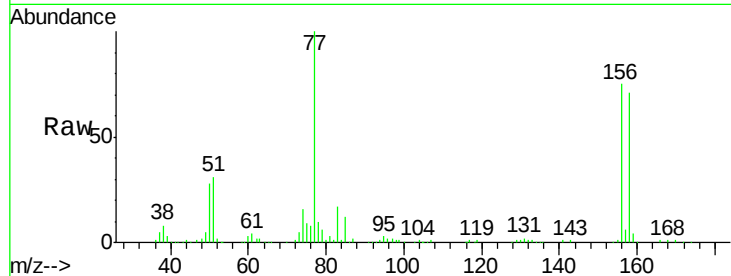
ClientSampleId :

VX0808WBS01

Tot Ion:	156	Resp:	40224
Ion	Ratio	Lower	Upper
156	100		
77	137.3	66.2	198.6
158	96.8	49.1	147.3

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#78

n-propylbenzene

Concen: 18.448 ug/l

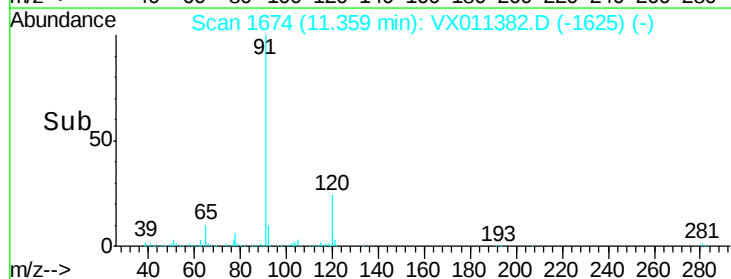
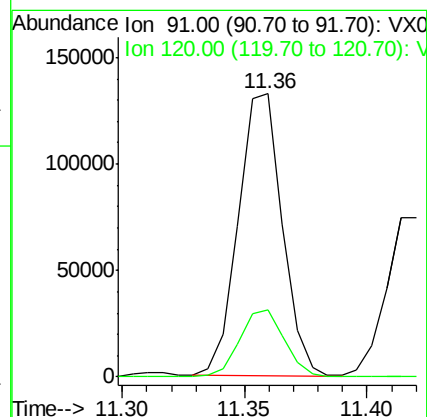
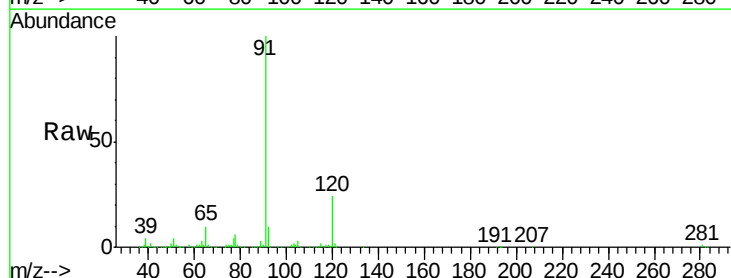
RT: 11.36 min Scan# 1674

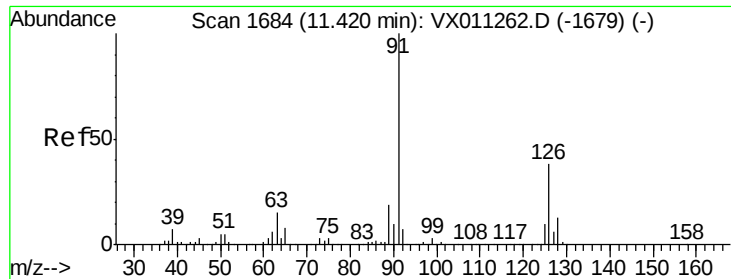
Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Tgt Ion:	91	Resp:	165513
Ion	Ratio	Lower	Upper
91	100		
120	24.2	12.4	37.0





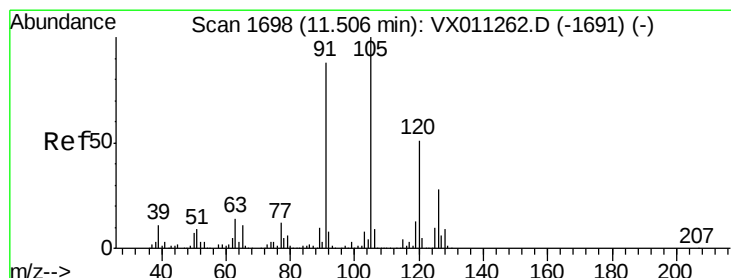
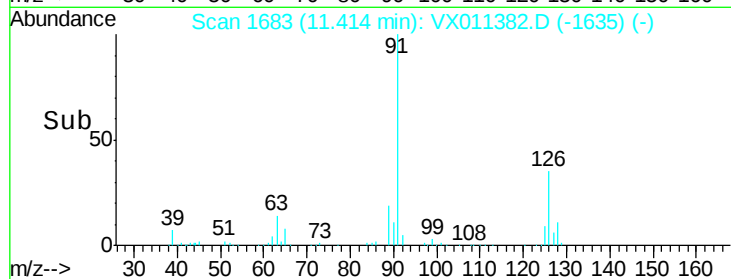
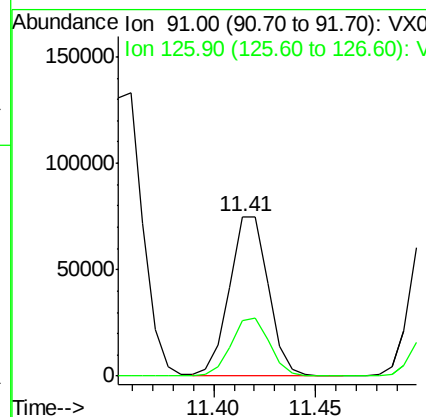
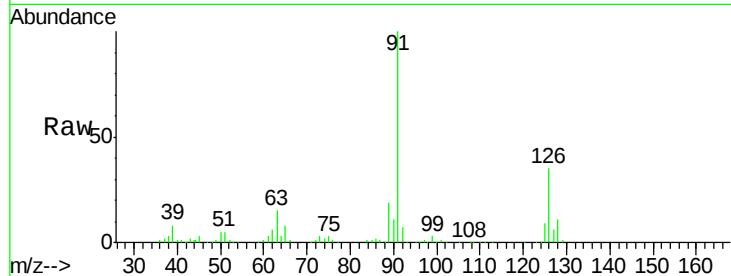
#79
 2-Chlorotoluene
 Concen: 18.359 ug/l
 RT: 11.41 min Scan# 1683
 Delta R.T. -0.01 min
 Lab File: VX011382.D
 Acq: 08 Aug 2019 11:21

Instrument :
 MSVOA_X
 ClientSampled :
 VX0808WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.3	18.5	55.5

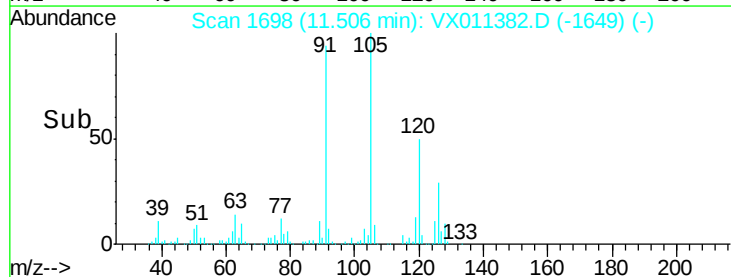
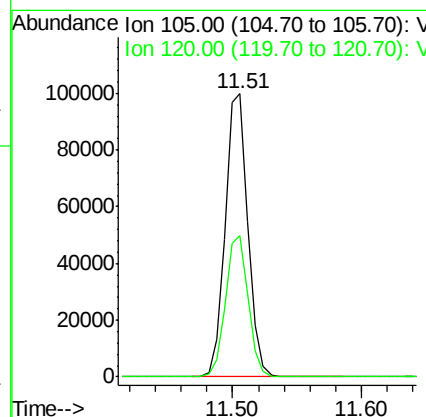
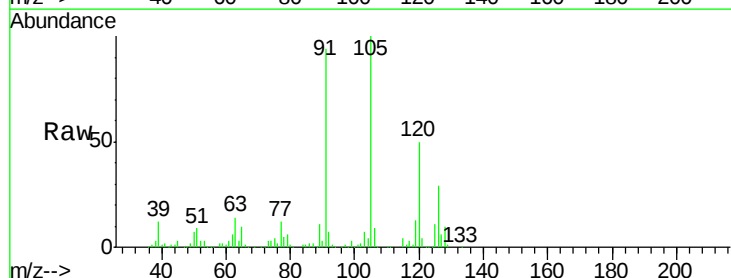
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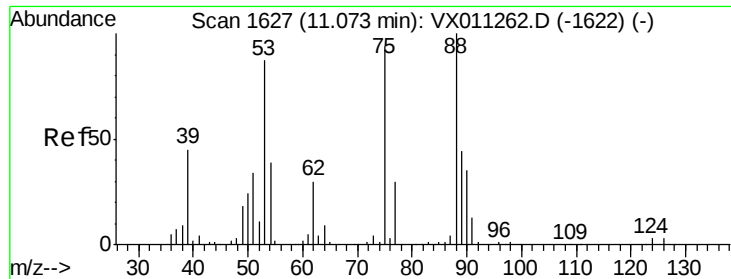
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#80
 1,3,5-Trimethylbenzene
 Concen: 18.367 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX011382.D
 Acq: 08 Aug 2019 11:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.0	25.1	75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.223 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Instrument :

MSVOA_X

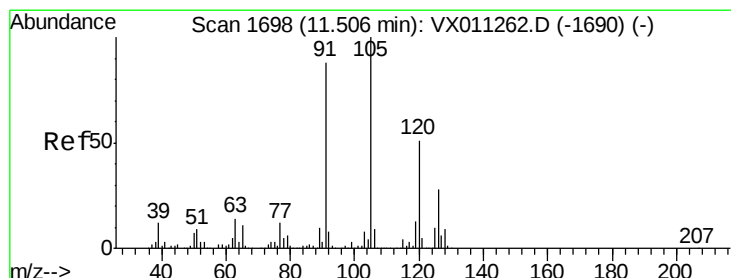
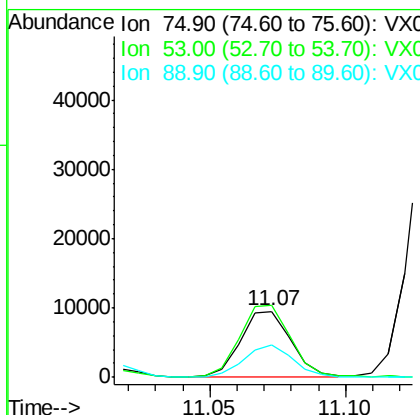
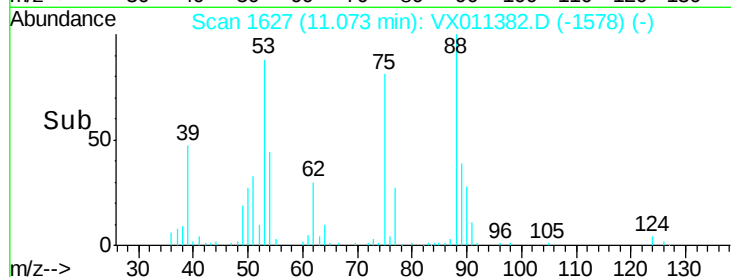
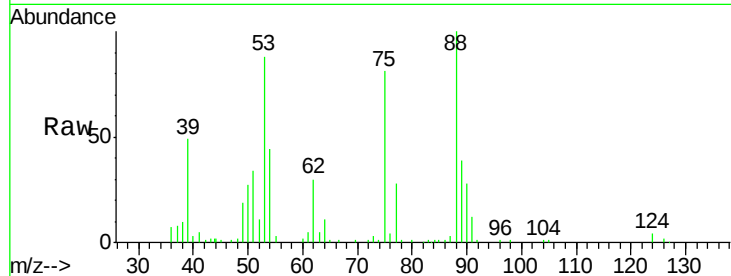
ClientSampleId :

VX0808WBS01

Tot Ion:	75	Resp:	12115
Ion Ratio	Lower	Upper	
75	100		
53	109.9	78.2	117.4
89	48.9	37.9	56.9

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#82

4-Chlorotoluene

Concen: 18.339 ug/l

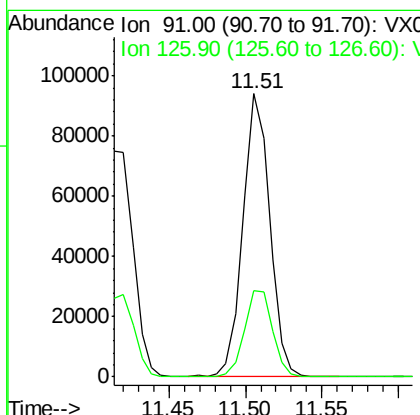
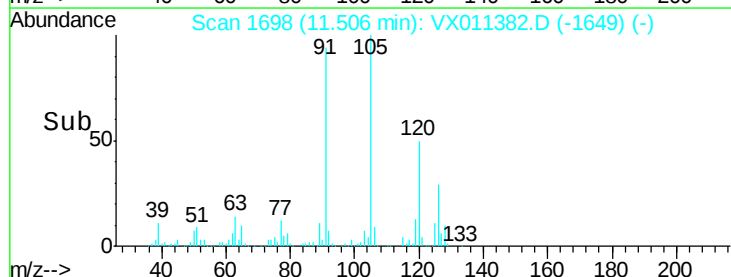
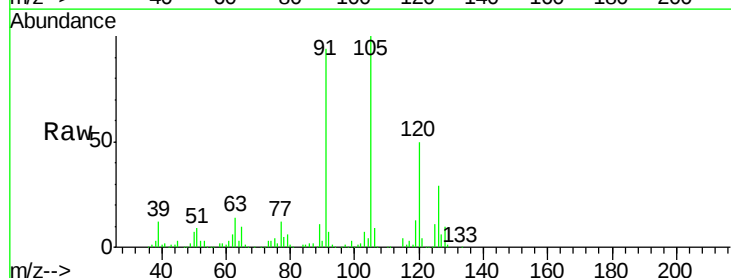
RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Tgt Ion:	91	Resp:	114288
Ion Ratio	Lower	Upper	
91	100		
126	32.2	16.4	49.2





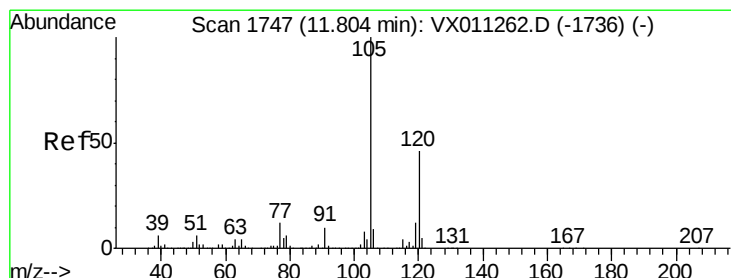
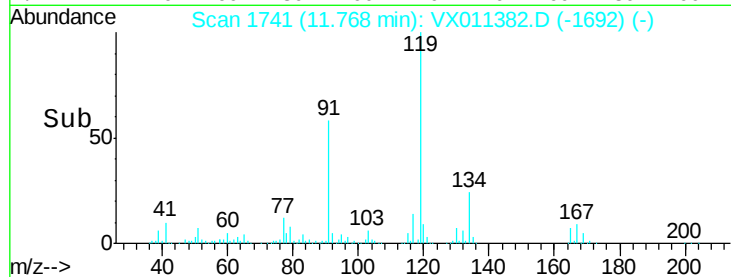
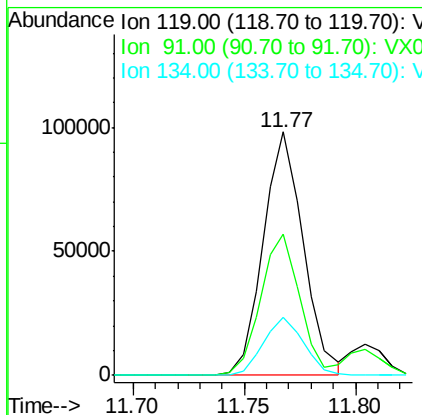
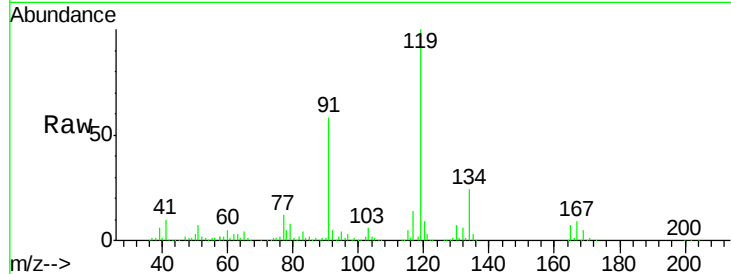
#83
tert-Butylbenzene
Concen: 18.525 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Instrument :
MSVOA_X
ClientSampled :
VX0808WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	122705		
91	56.3	28.0	84.0	
134	23.9	11.9	35.5	

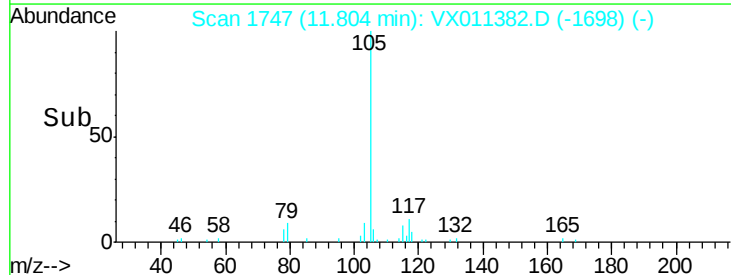
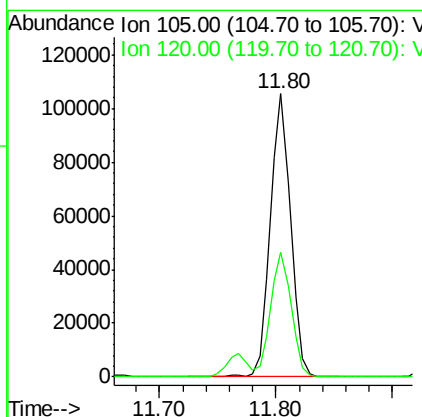
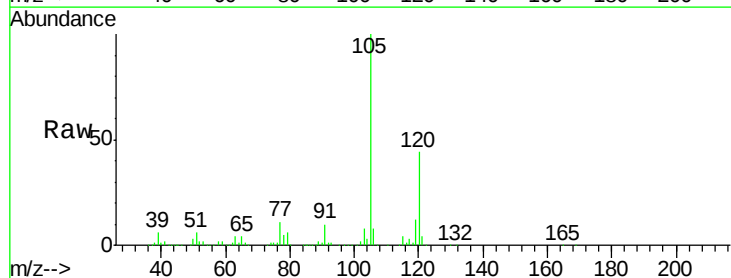
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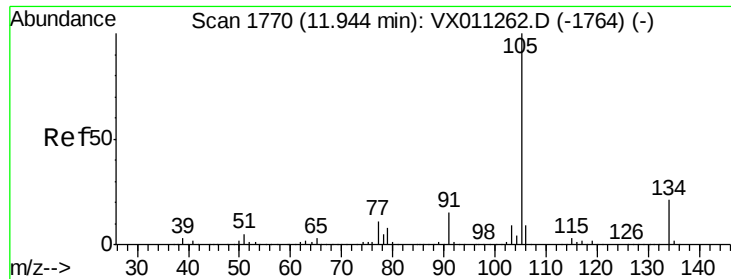
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#84
1,2,4-Trimethylbenzene
Concen: 18.853 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	126764		
120	44.8	23.0	69.0	





#85

sec-Butylbenzene

Concen: 18.480 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Instrument :

MSVOA_X

ClientSampled :

VX0808WBS01

Tot Ion:105 Resp: 147066

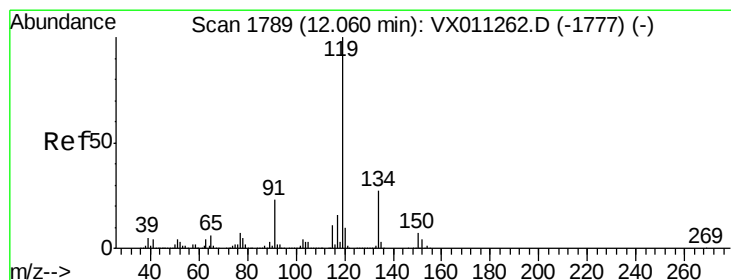
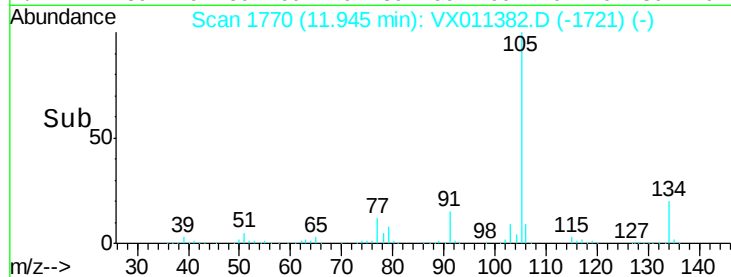
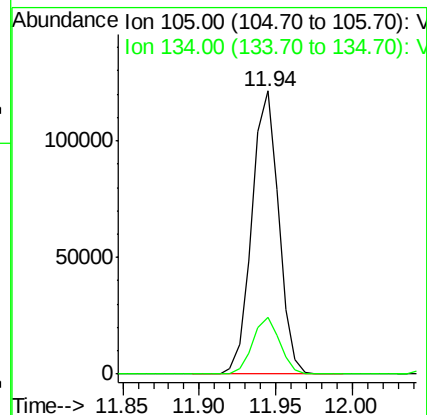
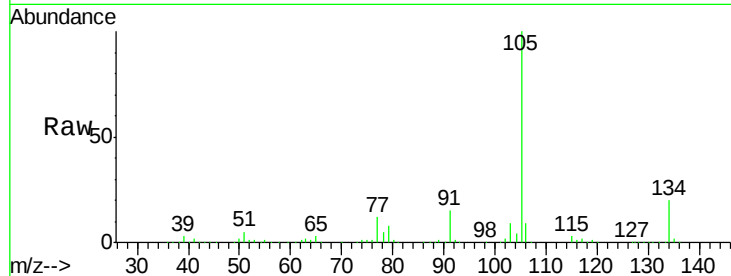
Ion Ratio Lower Upper

105 100

134 20.4 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 18.122 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

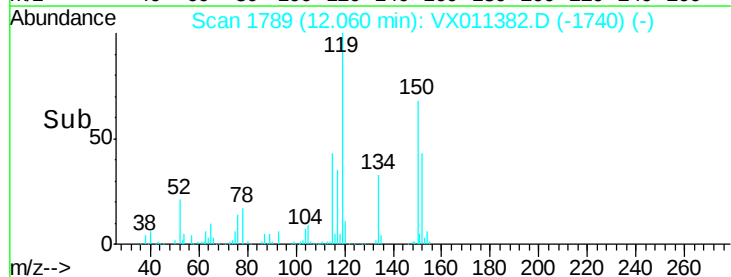
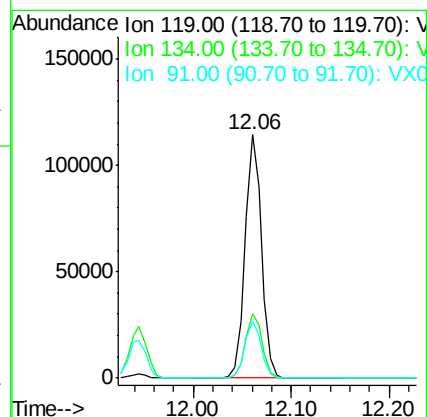
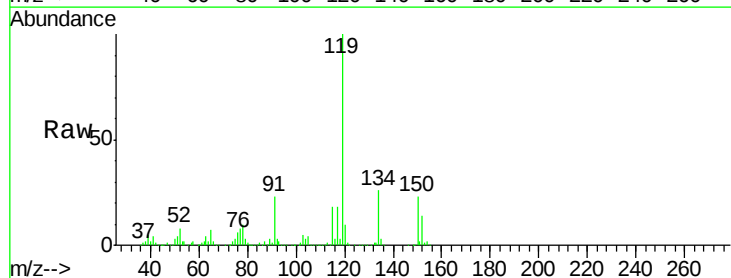
Tgt Ion:119 Resp: 132674

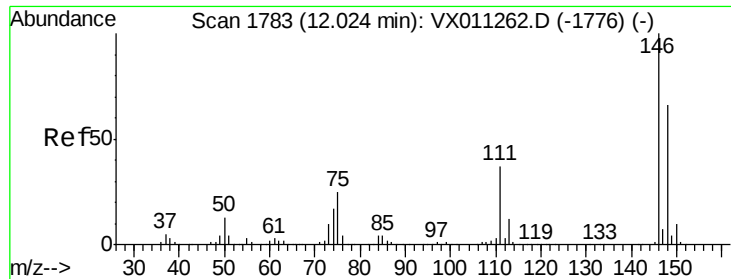
Ion Ratio Lower Upper

119 100

134 27.0 13.7 41.0

91 23.8 11.4 34.2





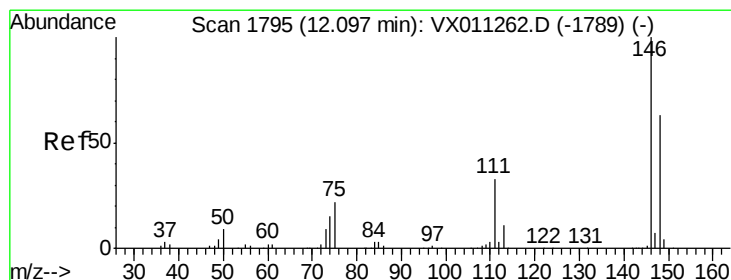
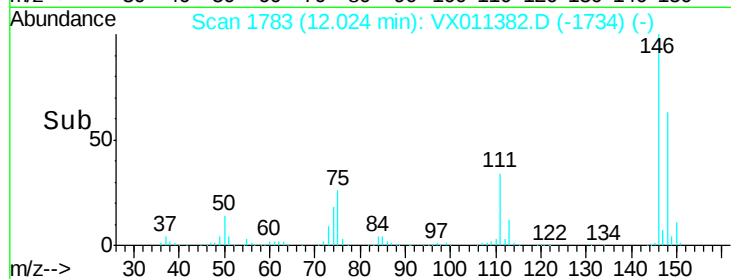
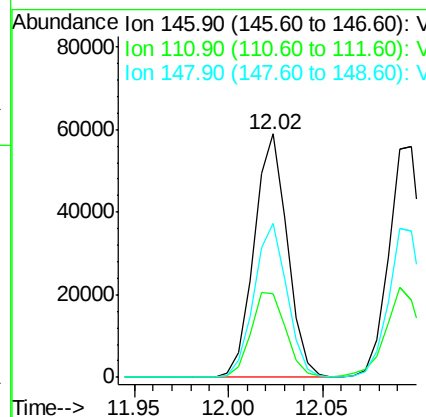
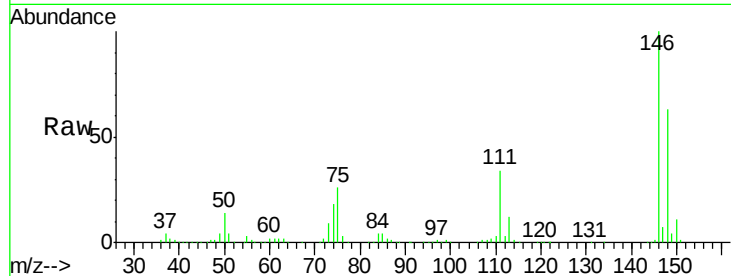
#87
 1,3-Dichlorobenzene
 Concen: 18.165 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011382.D
 Acq: 08 Aug 2019 11:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.6	55.8
148	62.9	32.5	97.5

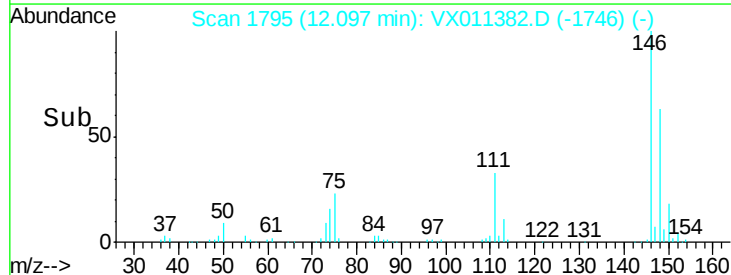
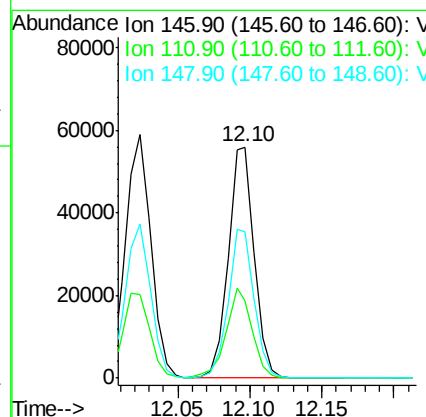
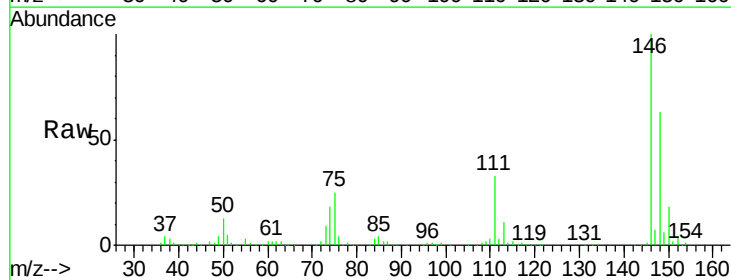
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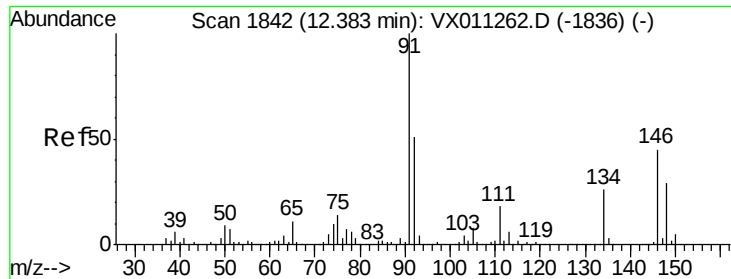
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#88
 1,4-Dichlorobenzene
 Concen: 17.415 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011382.D
 Acq: 08 Aug 2019 11:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	17.8	53.4
148	64.9	31.8	95.3





#89

n-Butylbenzene

Concen: 17.943 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX011382.D

Acq: 08 Aug 2019 11:21

Instrument :

MSVOA_X

ClientSampleId :

VX0808WBS01

Tot Ion: 91 Resp: 113174

Ion Ratio Lower Upper

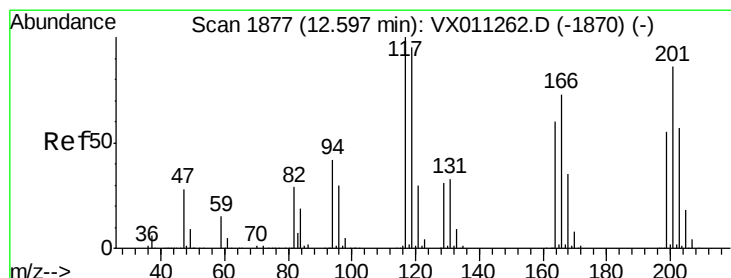
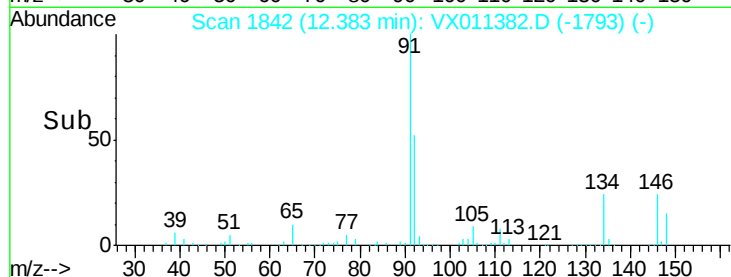
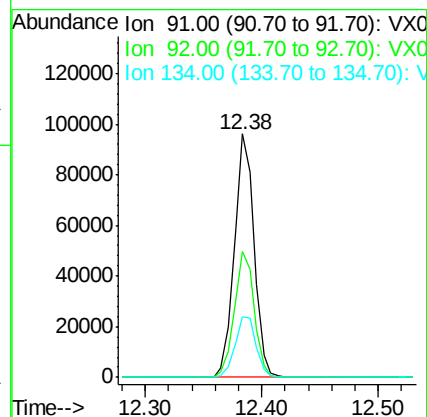
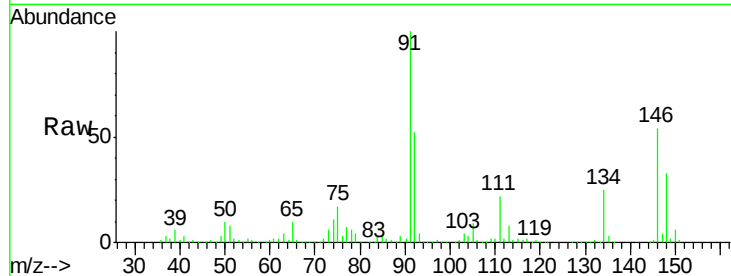
91 100

92 52.0 25.8 77.3

134 26.6 13.7 41.0

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#90

Hexachloroethane

Concen: 18.502 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX011382.D

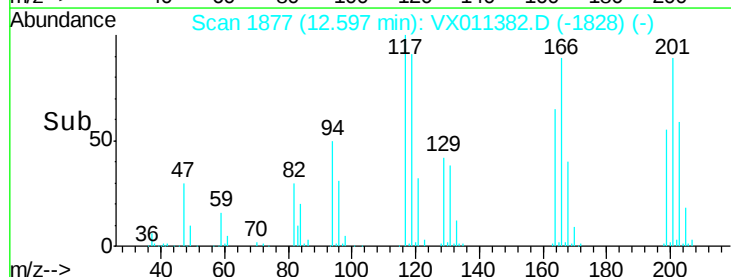
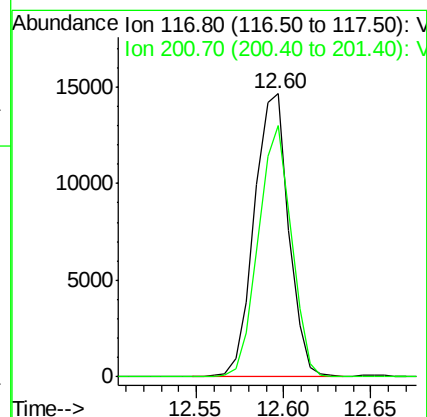
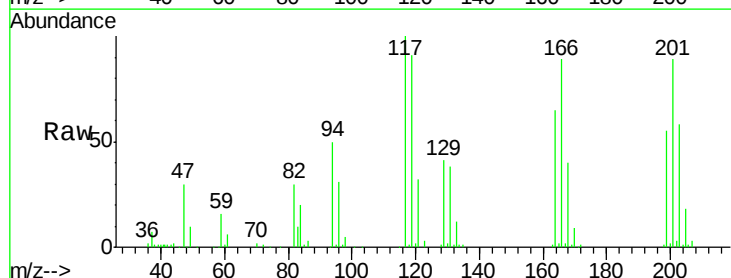
Acq: 08 Aug 2019 11:21

Tgt Ion: 117 Resp: 20026

Ion Ratio Lower Upper

117 100

201 85.0 41.8 125.4





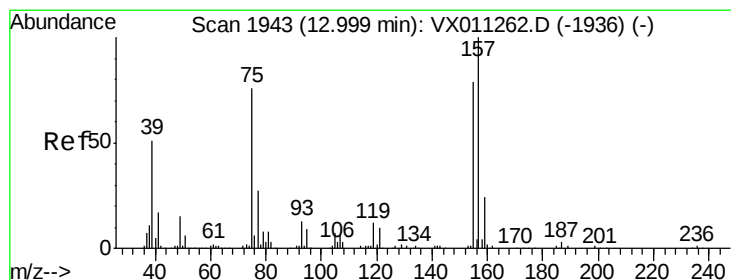
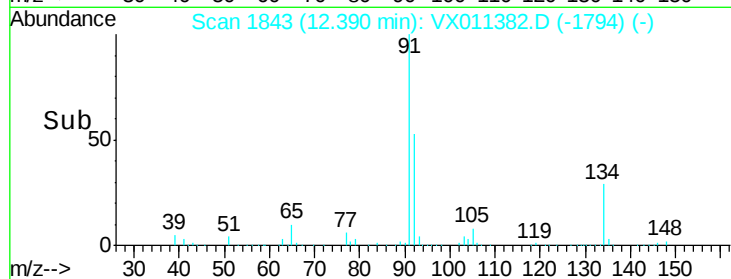
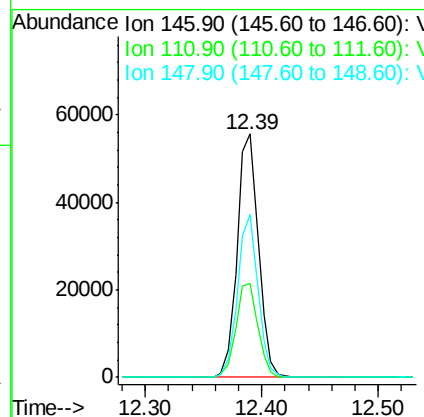
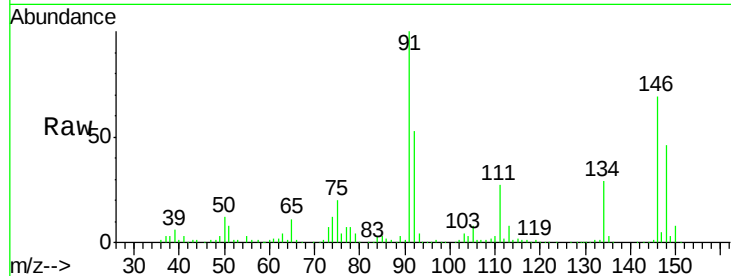
#91
 1,2-Dichlorobenzene
 Concen: 17.866 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011382.D
 Acq: 08 Aug 2019 11:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.1	57.1
148	64.3	32.3	96.8

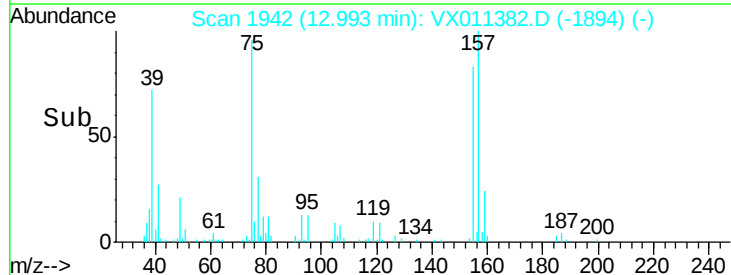
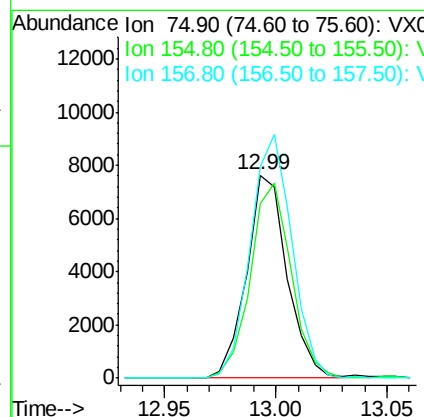
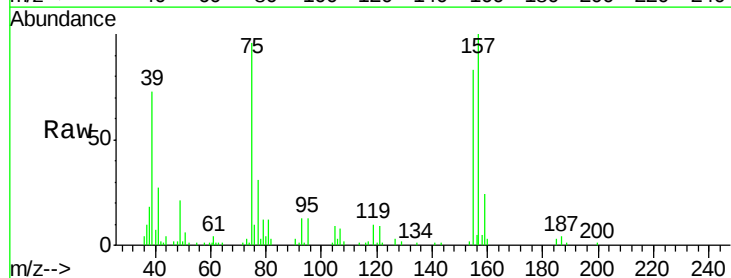
Manual Integrations
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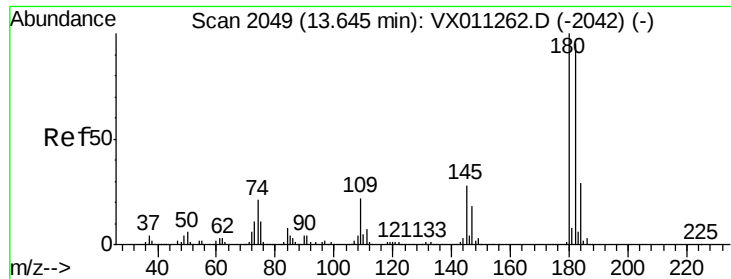
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.615 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011382.D
 Acq: 08 Aug 2019 11:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.6	51.9	155.8
157	122.7	64.3	192.7





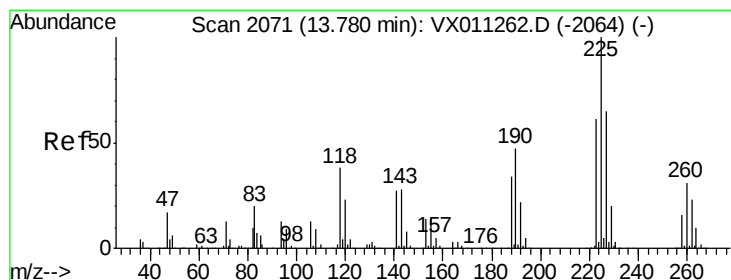
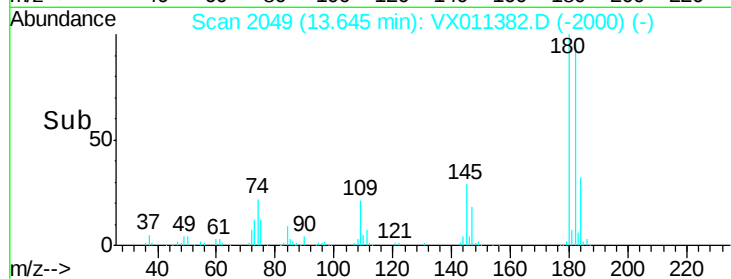
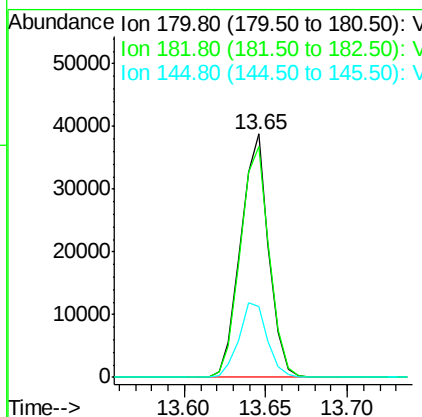
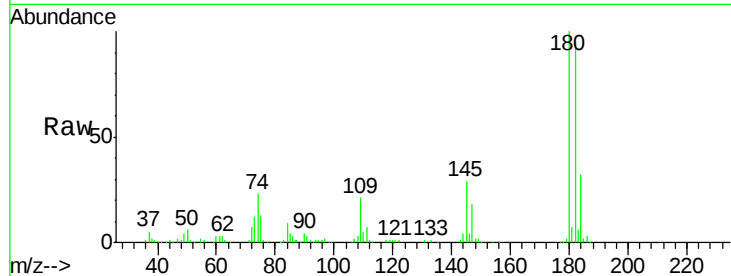
#93
 1,2,4-Trichlorobenzene
 Concen: 17.604 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011382.D
 Acq: 08 Aug 2019 11:21

Instrument :
 MSVOA_X
 ClientSampled :
 VX0808WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	46368		
182	98.3		47.8	143.4
145	31.1		14.8	44.3

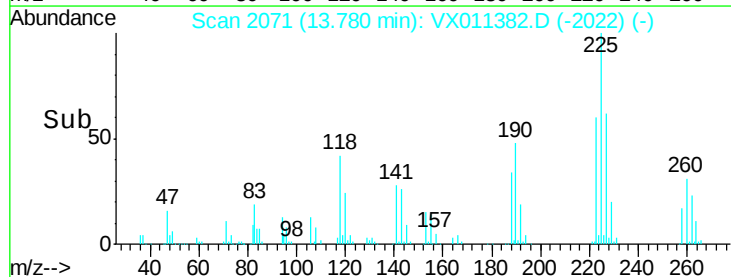
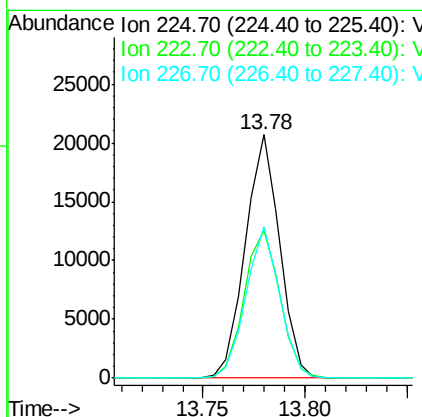
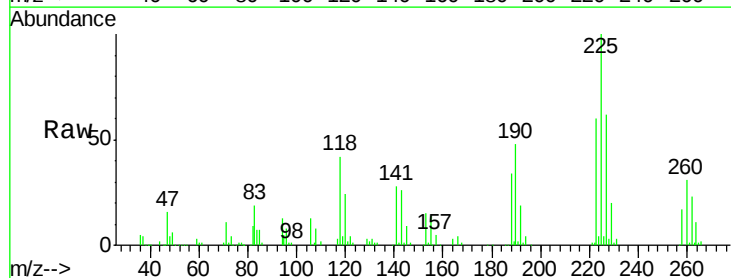
Manual Integrations
 APPROVED

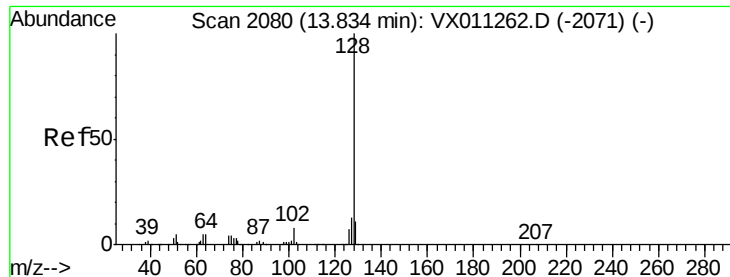
MMDadoda
 8/9/2019 11:07:59 AM



#94
 Hexachlorobutadiene
 Concen: 18.121 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011382.D
 Acq: 08 Aug 2019 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	24216		
223	63.3		31.0	93.0
227	61.2		32.2	96.6





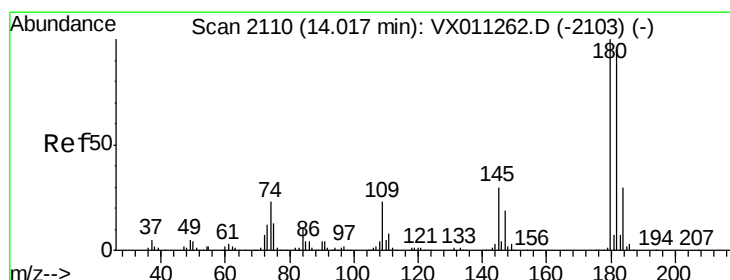
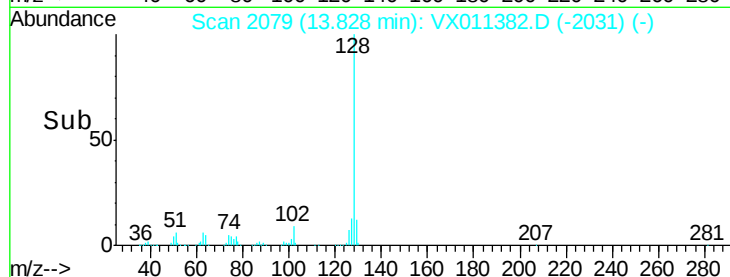
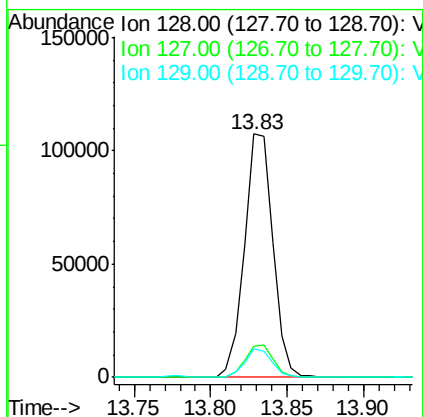
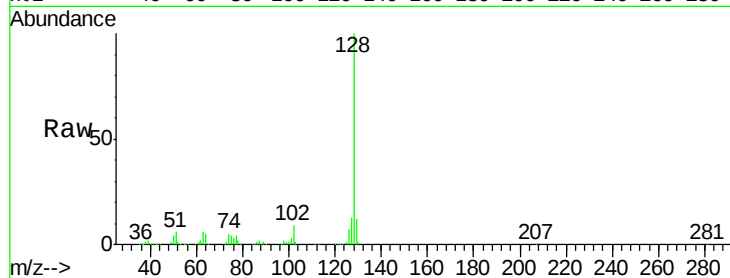
#95
Naphthalene
Concen: 17.982 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Instrument :
MSVOA_X
ClientSampleId :
VX0808WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.2	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/9/2019 11:07:59 AM



#96
1,2,3-Trichlorobenzene
Concen: 17.972 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011382.D
Acq: 08 Aug 2019 11:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.4	142.3
145	30.4	15.2	45.6

