

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
 Data File : VX004533.D
 Acq On : 14 Sep 2018 12:14
 Operator : JC/MD
 Sample : VX0914WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 5:09:21 PM

Quant Time: Sep 15 05:08:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	283182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	342242	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	324336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199372	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	176270	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
35) Dibromofluoromethane	5.51	113	151343	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
50) Toluene-d8	8.71	98	518955	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	11.14	95	188592	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	55317	20.84	ug/l	94
3) Chloromethane	1.32	50	67551	18.49	ug/l	99
4) Vinyl Chloride	1.40	62	72551	19.35	ug/l	94
5) Bromomethane	1.64	94	35063	21.67	ug/l	99
6) Chloroethane	1.72	64	45114	18.61	ug/l	99
7) Trichlorofluoromethane	1.93	101	92909	18.70	ug/l	84
8) Diethyl Ether	2.18	74	41451	18.60	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	60152	19.08	ug/l	96
10) Methyl Iodide	2.51	142	57583	18.24	ug/l	98
11) Tert butyl alcohol	3.06	59	76104	87.35	ug/l	99
12) 1,1-Dichloroethene	2.37	96	57436	19.41	ug/l	94
13) Acrolein	2.29	56	37897	110.19	ug/l	96
14) Allyl chloride	2.73	41	112156	18.44	ug/l	96
15) Acrylonitrile	3.15	53	193585	92.27	ug/l	98
16) Acetone	2.45	43	148509	83.33	ug/l	99
17) Carbon Disulfide	2.57	76	163105	19.07	ug/l	97
18) Methyl Acetate	2.78	43	90843	18.17	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	191542	18.45	ug/l	97
20) Methylene Chloride	2.85	84	67870	18.56	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	61861	18.92	ug/l	92
22) Diisopropyl ether	3.86	45	207584	18.95	ug/l	93
23) Vinyl Acetate	3.82	43	847926	95.64	ug/l	96
24) 1,1-Dichloroethane	3.70	63	115793	18.72	ug/l	99
25) 2-Butanone	4.70	43	236334	83.32	ug/l	96
26) 2,2-Dichloropropane	4.57	77	86452	20.35	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	71580	19.61	ug/l	98
28) Bromochloromethane	5.01	49	57445	20.30	ug/l	98
29) Tetrahydrofuran	5.15	42	153448	89.71	ug/l	97
30) Chloroform	5.21	83	114949	19.03	ug/l	94
31) Cyclohexane	5.57	56	104581	19.80	ug/l	88
32) 1,1,1-Trichloroethane	5.49	97	96048	19.75	ug/l	100
36) 1,1-Dichloropropene	5.80	75	89468	21.53	ug/l	99
37) Ethyl Acetate	4.85	43	90020	19.05	ug/l	99
38) Carbon Tetrachloride	5.78	117	84064	20.71	ug/l	92

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 Sample : VX0914WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VX0914WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 5:09:21 PM

Quant Time: Sep 15 05:08:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	91433	21.09	ug/l	97
40) Benzene	6.15	78	266964	21.65	ug/l	95
41) Methacrylonitrile	5.06	41	50944	19.57	ug/l	99
42) 1,2-Dichloroethane	6.20	62	86570	21.17	ug/l	99
43) Isopropyl Acetate	6.46	43	123052	19.60	ug/l	100
44) Trichloroethene	7.21	130	65202	20.36	ug/l	98
45) 1,2-Dichloropropane	7.51	63	60210	20.30	ug/l	99
46) Dibromomethane	7.66	93	37577	20.05	ug/l	99
47) Bromodichloromethane	7.90	83	70278	19.83	ug/l	98
48) Methyl methacrylate	7.77	41	60765	19.56	ug/l	98
49) 1,4-Dioxane	7.75	88	28668	389.94	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	400390	90.39	ug/l	97
52) Toluene	8.79	92	144841	19.94	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	78185	18.89	ug/l	96
54) cis-1,3-Dichloropropene	8.44	75	87252	20.67	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	58659	18.76	ug/l	97
56) Ethyl methacrylate	9.18	69	80028	18.09	ug/l	97
57) 1,3-Dichloropropane	9.37	76	96333	18.96	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	215157	99.94	ug/l	96
59) 2-Hexanone	9.49	43	301218	88.66	ug/l	97
60) Dibromochloromethane	9.59	129	56310	19.13	ug/l	99
61) 1,2-Dibromoethane	9.67	107	60095	20.11	ug/l	99
64) Tetrachloroethene	9.34	164	75106	18.55	ug/l	98
65) Chlorobenzene	10.14	112	163476	20.29	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	56469	20.33	ug/l	99
67) Ethyl Benzene	10.25	91	269808	20.60	ug/l	98
68) m/p-Xylenes	10.36	106	214088	42.43	ug/l	97
69) o-Xylene	10.70	106	100151	20.64	ug/l	97
70) Styrene	10.71	104	170351	21.20	ug/l	98
71) Bromoform	10.86	173	43392	19.02	ug/l #	98
73) Isopropylbenzene	11.02	105	276656	21.07	ug/l	100
74) N-amyl acetate	10.90	43	105194	19.03	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	81359	19.21	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	79615m	19.85	ug/l	
77) Bromobenzene	11.26	156	73433	20.23	ug/l	98
78) n-propylbenzene	11.36	91	323912	21.45	ug/l	100
79) 2-Chlorotoluene	11.42	91	187848	20.52	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	235482	21.33	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	24014	19.08	ug/l	98
82) 4-Chlorotoluene	11.51	91	224748	21.03	ug/l	99
83) tert-Butylbenzene	11.77	119	221433	21.07	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	241511	21.43	ug/l	100
85) sec-Butylbenzene	11.94	105	285290	21.30	ug/l	99
86) p-Isopropyltoluene	12.07	119	256233	21.67	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	138492	20.45	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	140816	20.13	ug/l	98
89) n-Butylbenzene	12.39	91	224774	20.86	ug/l	97
90) Hexachloroethane	12.60	117	37045	19.57	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	138365	20.19	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17008	18.81	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091418\
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBS01

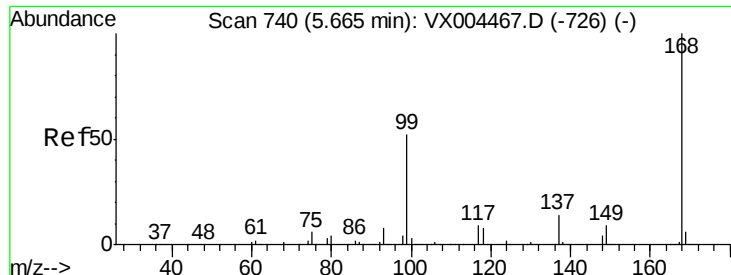
Manual Integrations
APPROVED

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9/17/2018 5:09:21 PM

Quant Time: Sep 15 05:08:50 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	101864	20.99	ug/l	98
94) Hexachlorobutadiene	13.79	225	51921	20.48	ug/l	96
95) Naphthalene	13.83	128	278410	20.45	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	103129	20.69	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

Instrument :

MSVOA_X

ClientSampled :

VX0914WBS01

Tot Ion:168 Resp: 283182

Ion Ratio Lower Upper

168 100

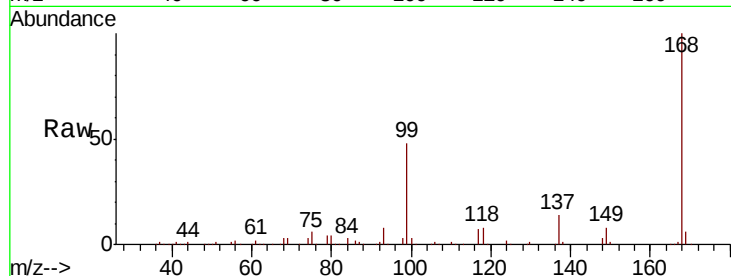
99 47.9 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

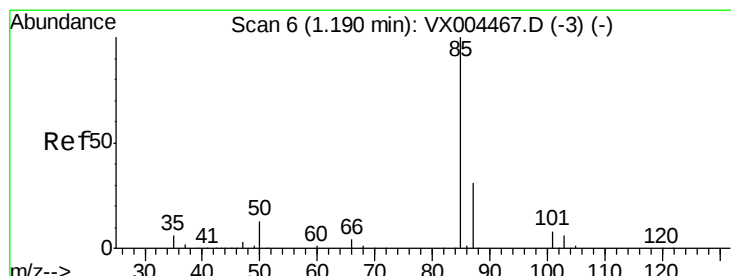
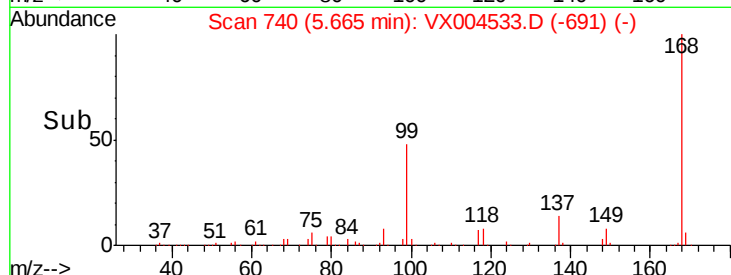
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.84 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004533.D

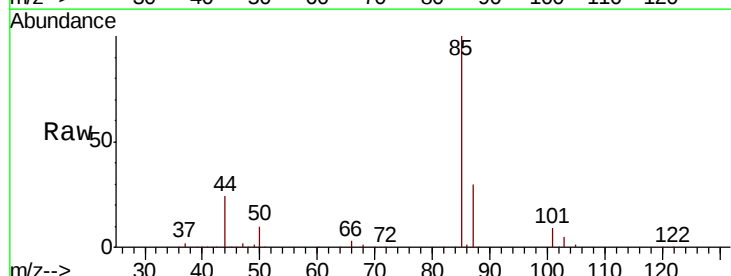
Acq: 14 Sep 2018 12:14

Tgt Ion: 85 Resp: 55317

Ion Ratio Lower Upper

85 100

87 30.5 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

60000

50000

40000

30000

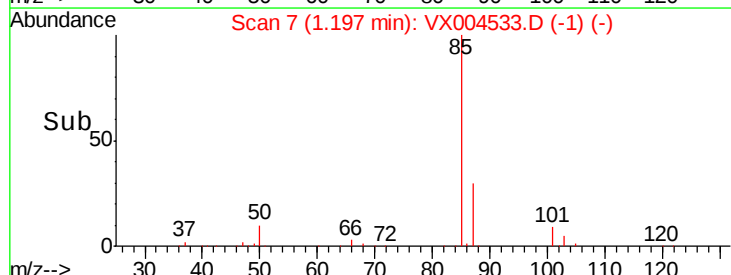
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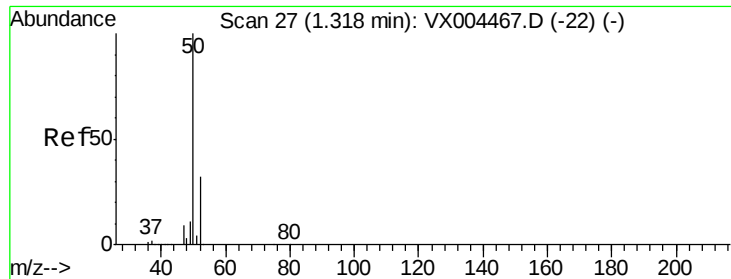
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 18.49 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBS01

Tot Ion: 50 Resp: 67551

Ion Ratio Lower Upper

50 100

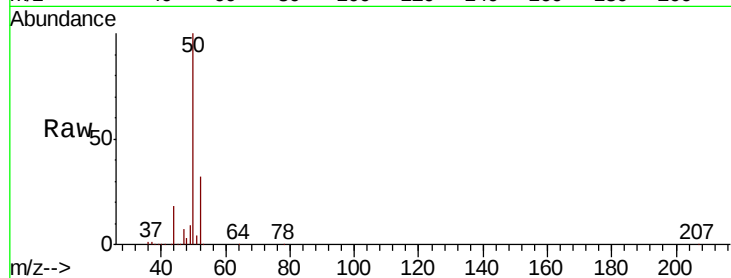
52 32.1 26.2 39.2

Manual Integrations

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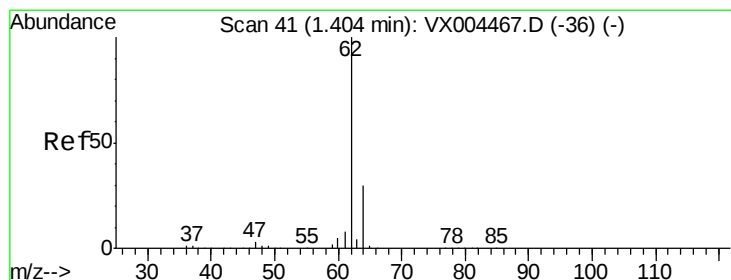
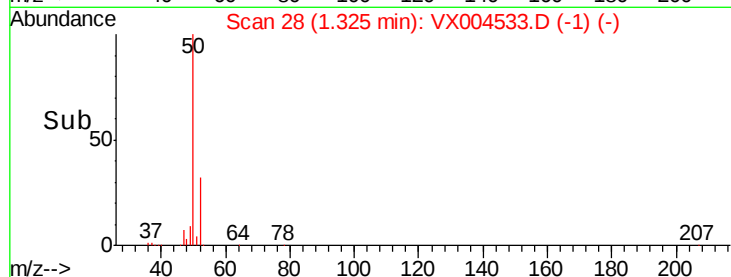
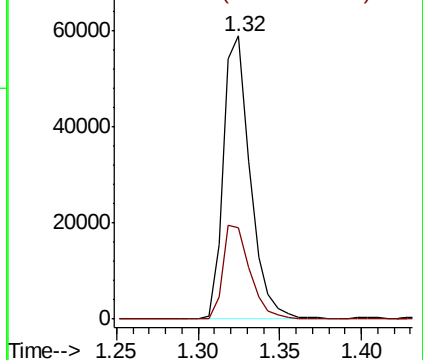
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.35 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004533.D

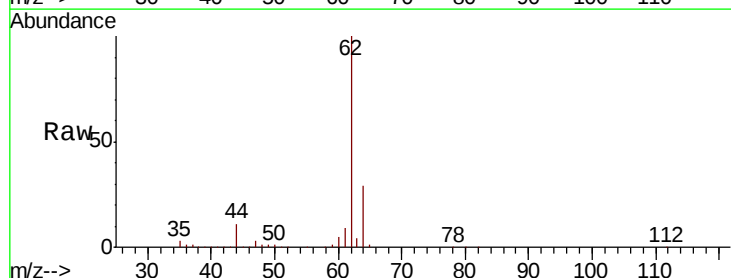
Acq: 14 Sep 2018 12:14

Tgt Ion: 62 Resp: 72551

Ion Ratio Lower Upper

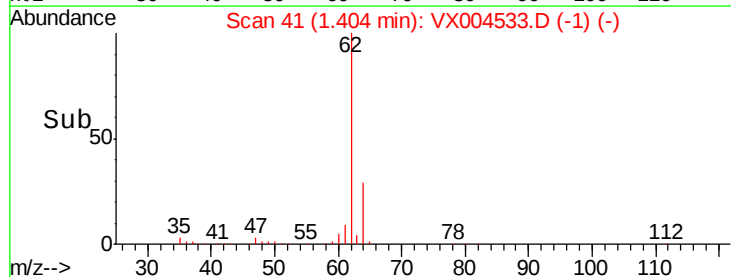
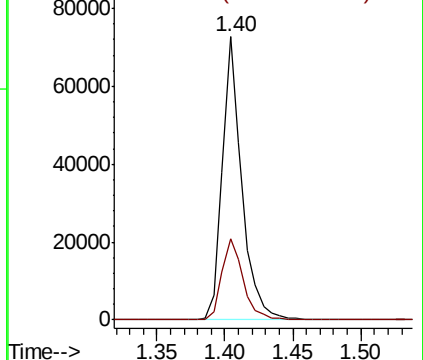
62 100

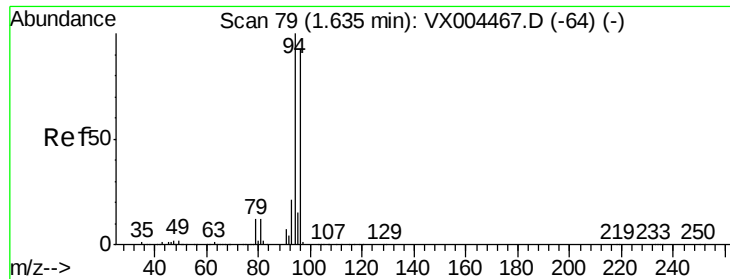
64 28.7 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.67 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBS01

Tot Ion: 94 Resp: 35063

Ion Ratio Lower Upper

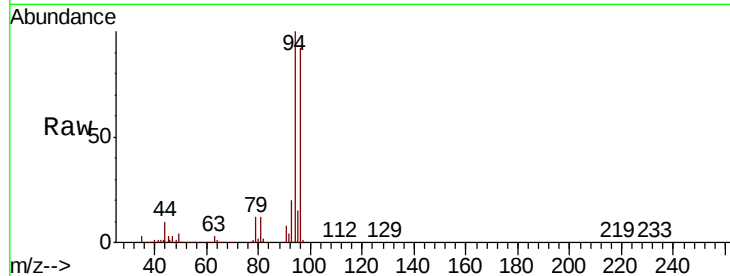
94 100

96 92.5 74.5 111.7

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

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

30000

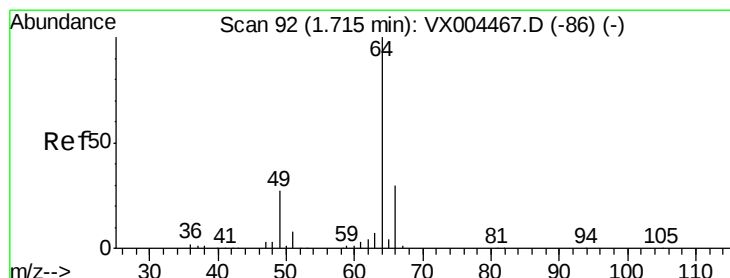
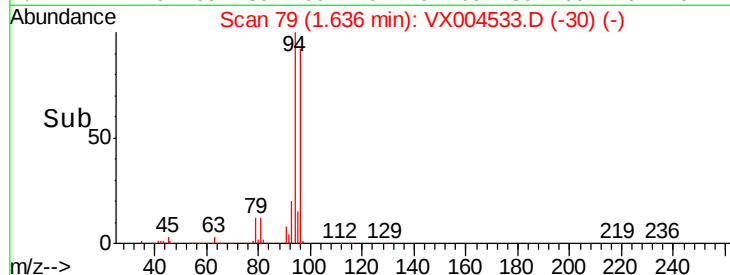
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10000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 18.61 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004533.D

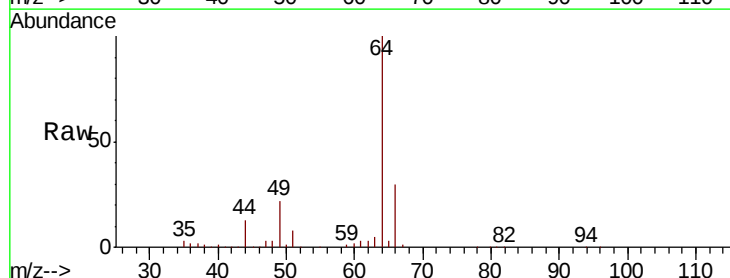
Acq: 14 Sep 2018 12:14

Tgt Ion: 64 Resp: 45114

Ion Ratio Lower Upper

64 100

66 30.4 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

40000

30000

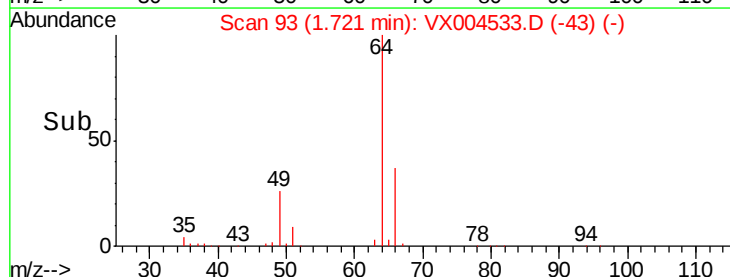
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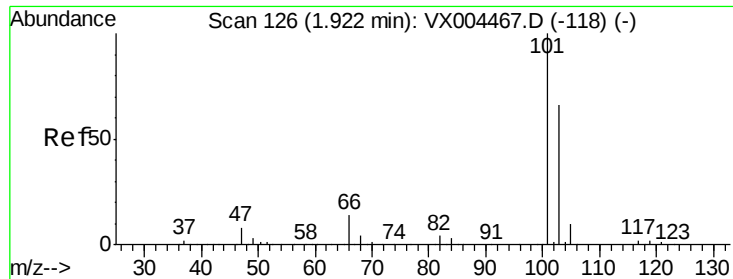
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Time-->

1.65 1.70 1.75 1.80 1.85





#7

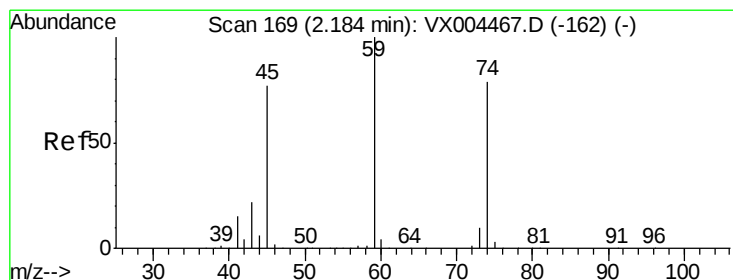
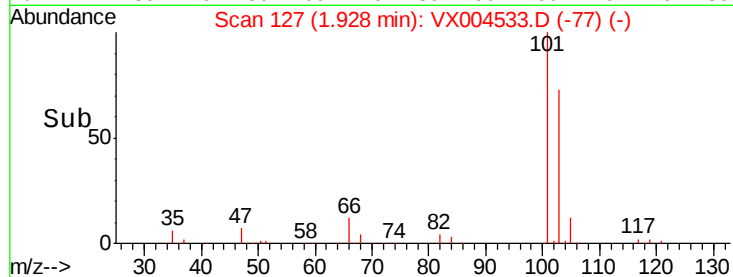
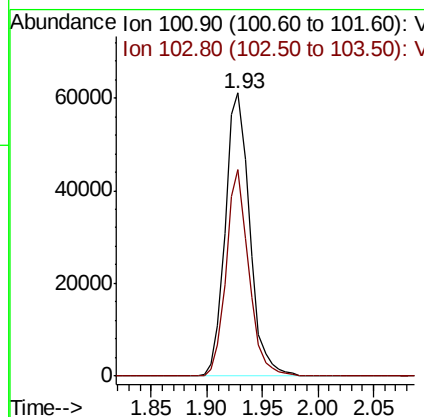
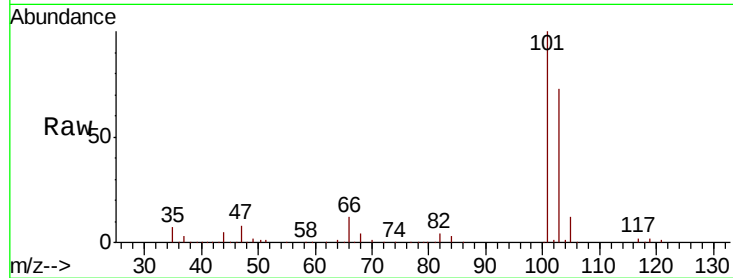
Trichlorofluoromethane
 Concen: 18.70 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX004533.D
 Acq: 14 Sep 2018 12:14

Instrument :
 MSVOA_X
 ClientSampled :
 VX0914WBS01

Tot Ion:101 Resp: 92909
 Ion Ratio Lower Upper
 101 100
 103 73.0 48.9 73.3

Manual Integrations
 APPROVED

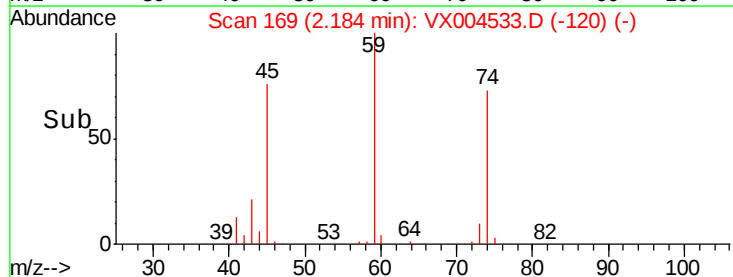
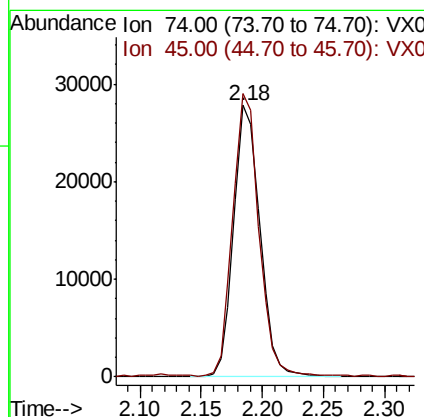
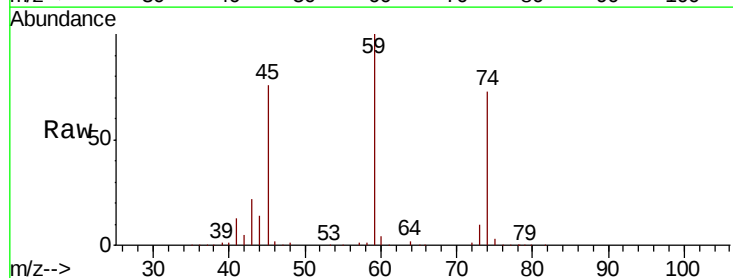
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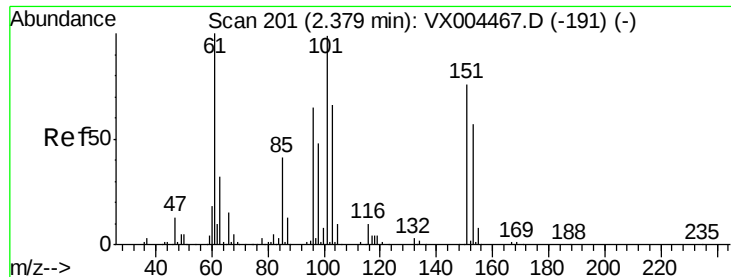


#8

Diethyl Ether
 Concen: 18.60 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX004533.D
 Acq: 14 Sep 2018 12:14

Tgt Ion: 74 Resp: 41451
 Ion Ratio Lower Upper
 74 100
 45 103.1 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.08 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

Instrument :

MSVOA_X

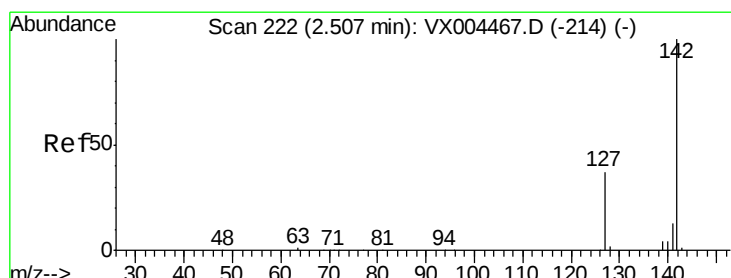
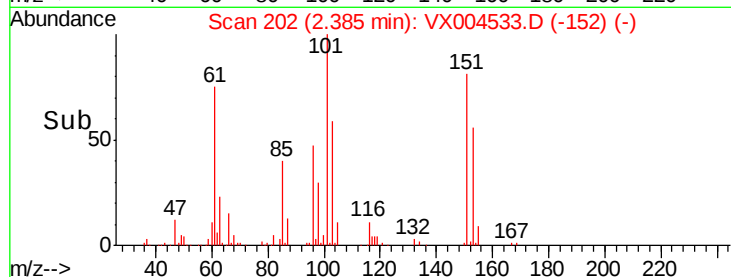
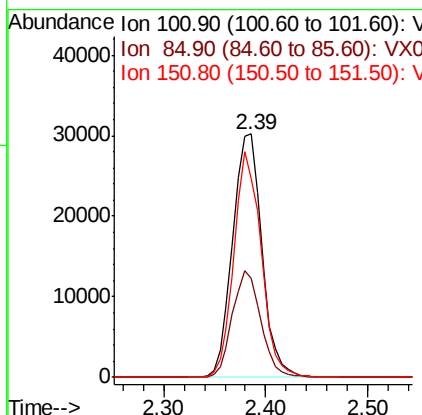
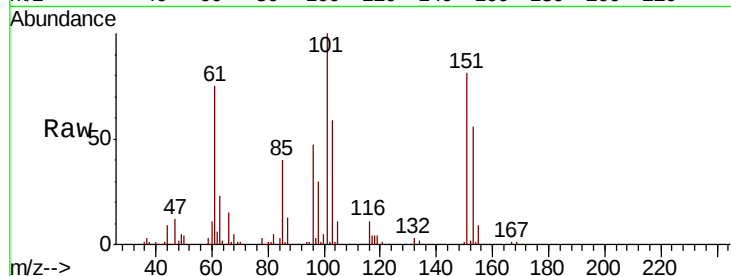
ClientSampleId :

VX0914WBS01

Tot Ion:	101	Resp:	60152
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.2	51.4
151	86.1	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 18.24 ug/l

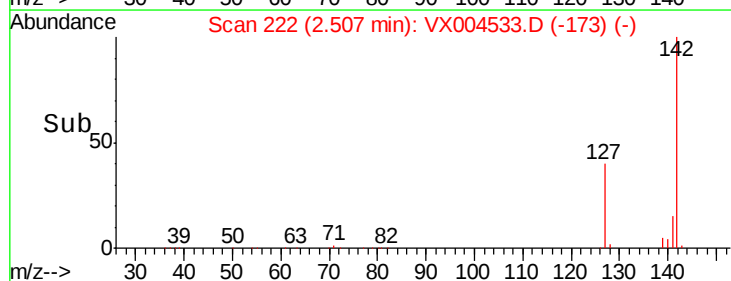
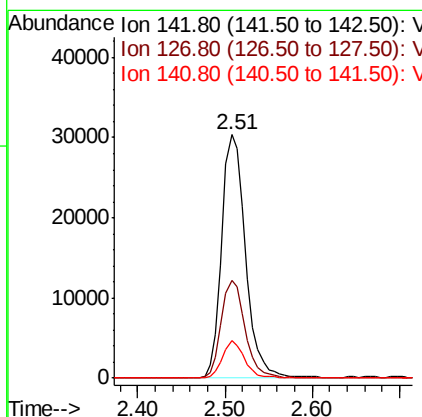
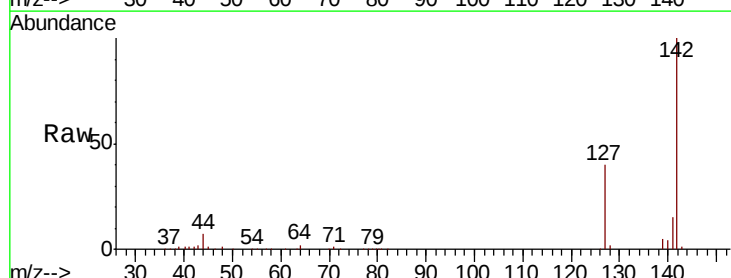
RT: 2.51 min Scan# 222

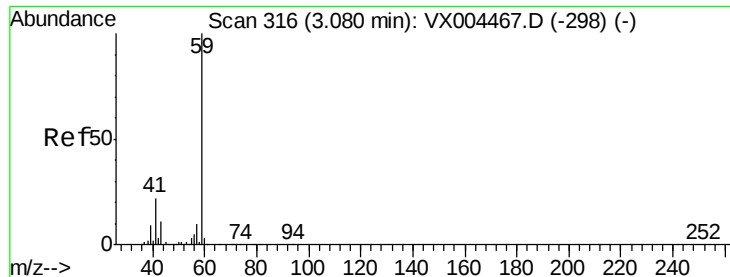
Delta R.T. 0.00 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

Tgt Ion:	142	Resp:	57583
Ion Ratio	Lower	Upper	
142	100		
127	40.3	33.8	50.6
141	14.2	11.4	17.0





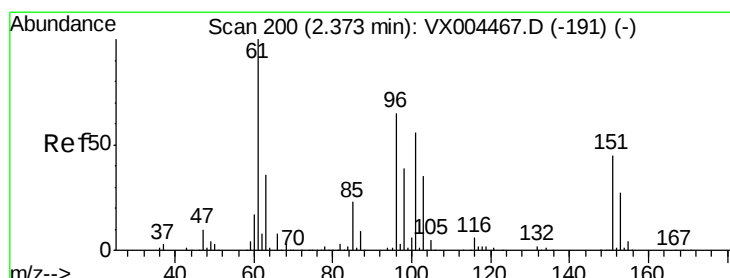
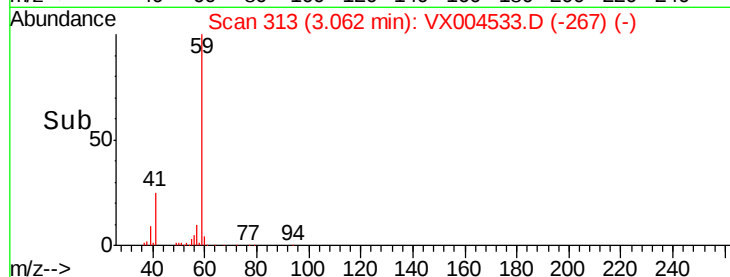
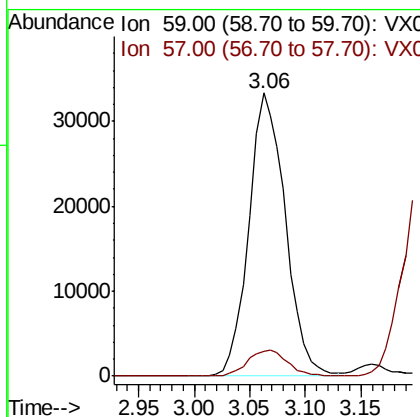
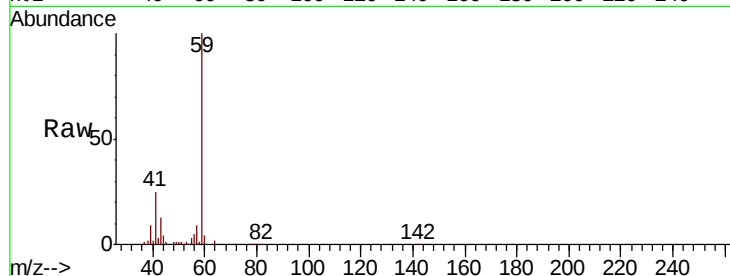
#11
Tert butyl alcohol
Concen: 87.35 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBS01

Tot Ion: 59 Resp: 76104
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.4

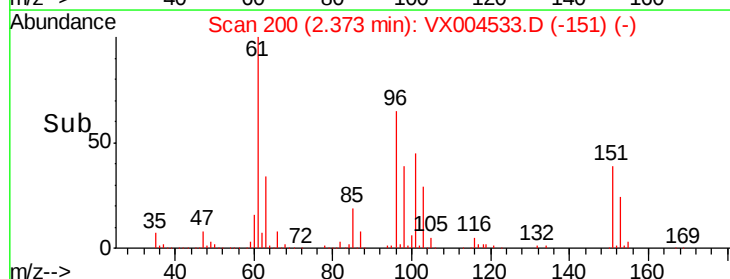
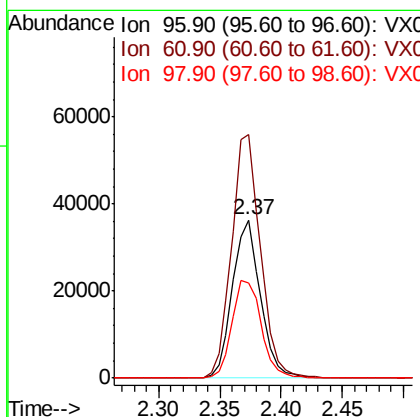
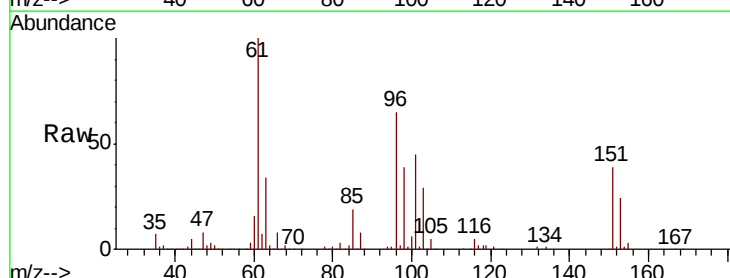
Manual Integrations
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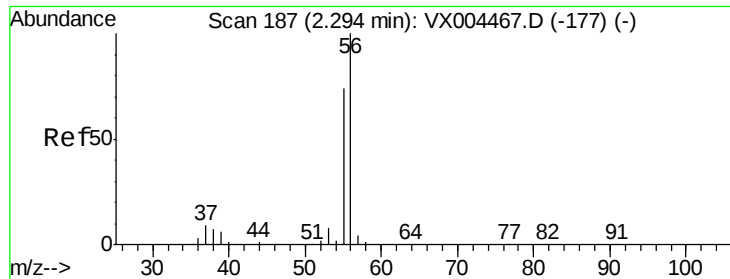
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.41 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Tgt Ion: 96 Resp: 57436
Ion Ratio Lower Upper
96 100
61 153.8 128.8 193.2
98 59.9 52.2 78.2





#13

Acrolein

Concen: 110.19 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBS01

Tot Ion: 56 Resp: 37897

Ion Ratio Lower Upper

56 100

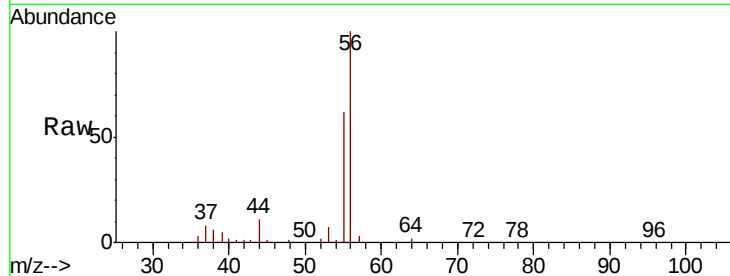
55 71.5 54.7 82.1

Manual Integrations

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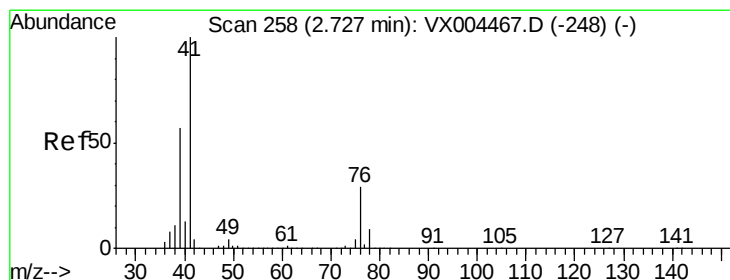
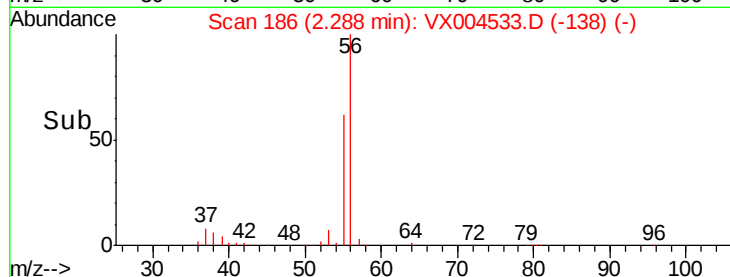
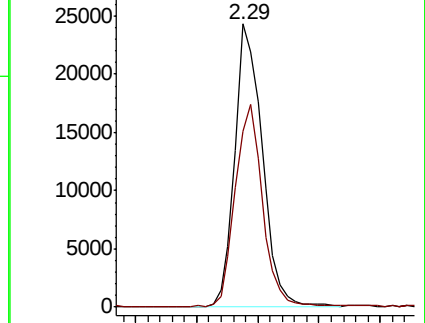
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.44 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

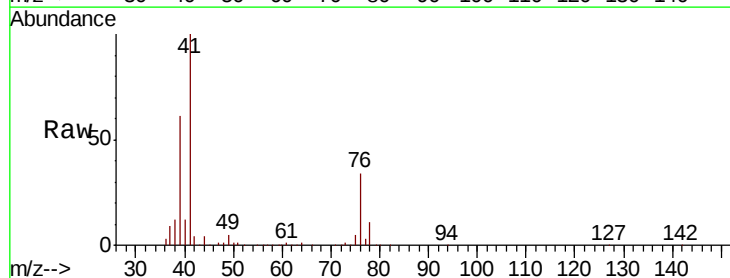
Tgt Ion: 41 Resp: 112156

Ion Ratio Lower Upper

41 100

39 57.7 48.9 73.3

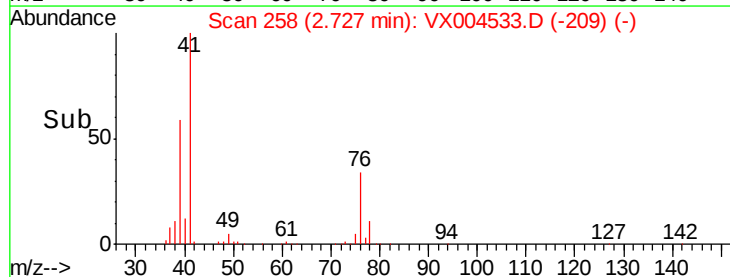
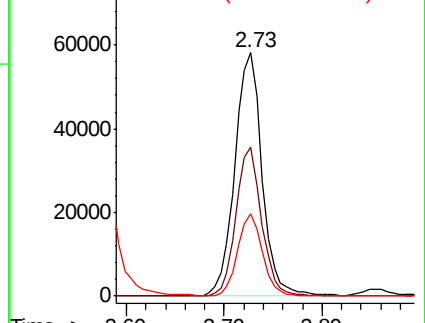
76 31.2 26.7 40.1

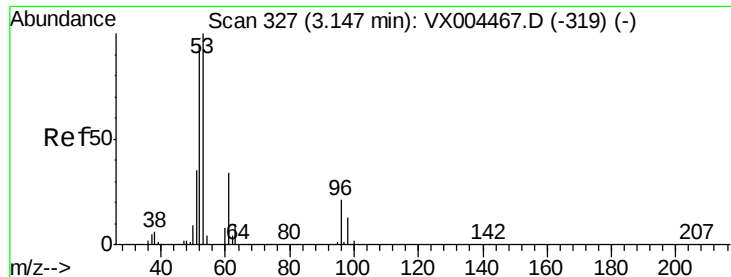


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 92.27 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

Instrument :

MSVOA_X

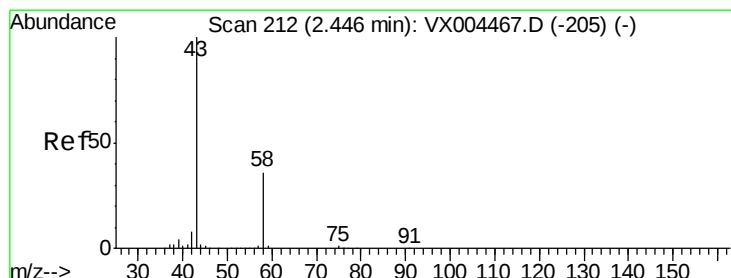
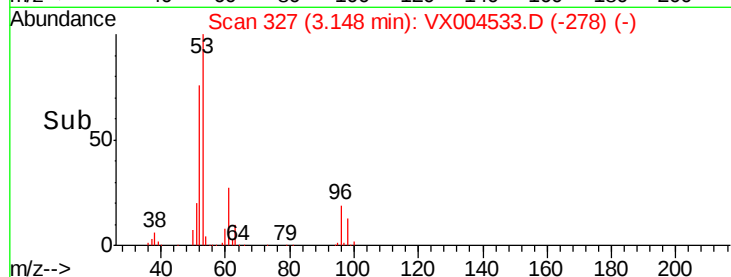
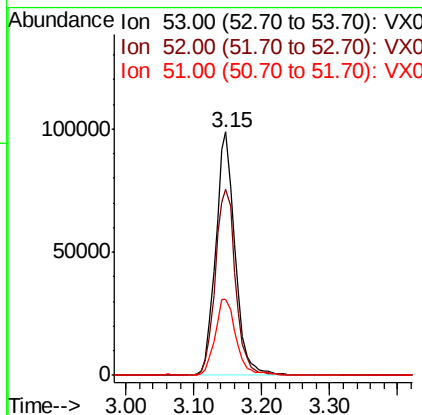
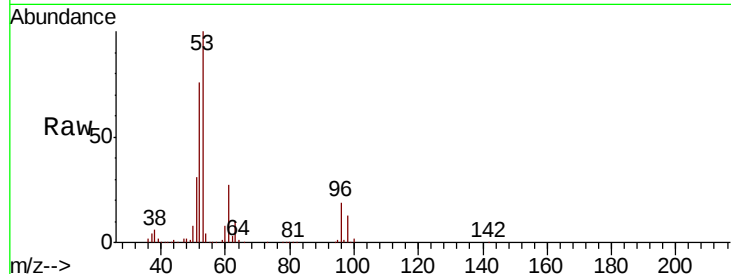
ClientSampleId :

VX0914WBS01

Tot Ion:	53	Resp:	193585
Ion Ratio	Lower	Upper	
53	100		
52	80.2	65.2	97.8
51	34.1	28.2	42.2

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#16

Acetone

Concen: 83.33 ug/l

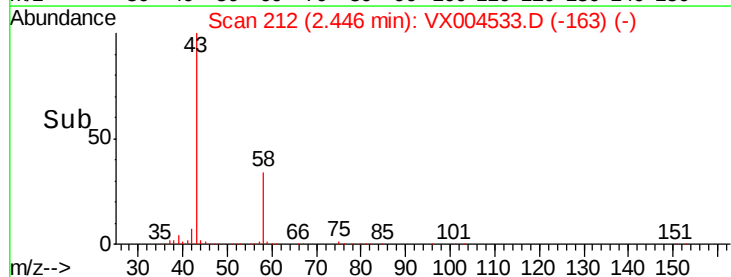
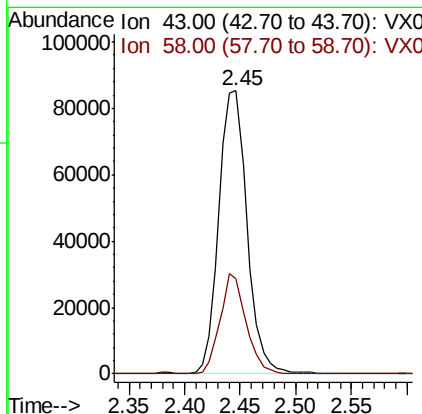
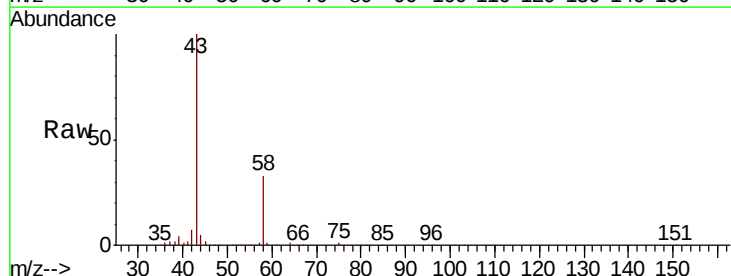
RT: 2.45 min Scan# 212

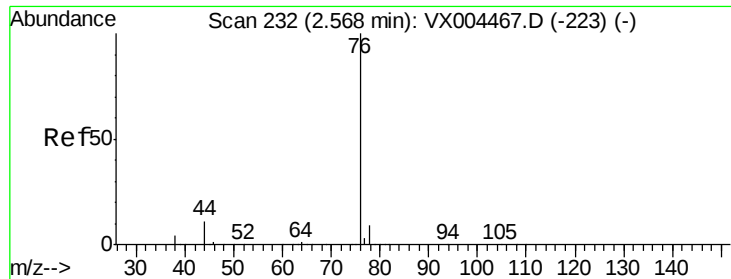
Delta R.T. 0.00 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

Tgt Ion:	43	Resp:	148509
Ion Ratio	Lower	Upper	
43	100		
58	33.5	26.2	39.4





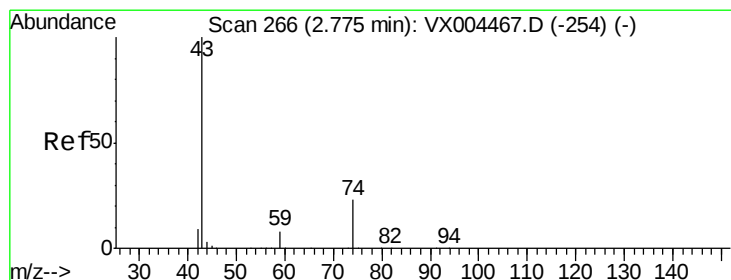
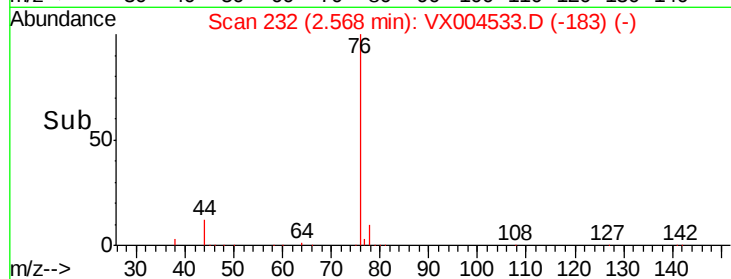
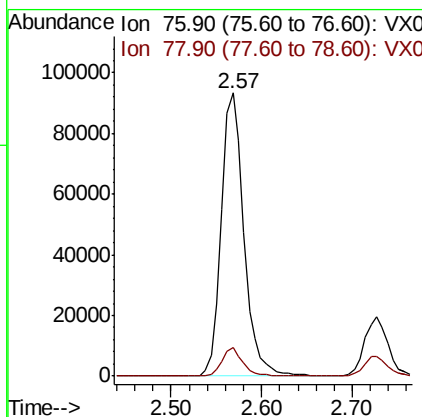
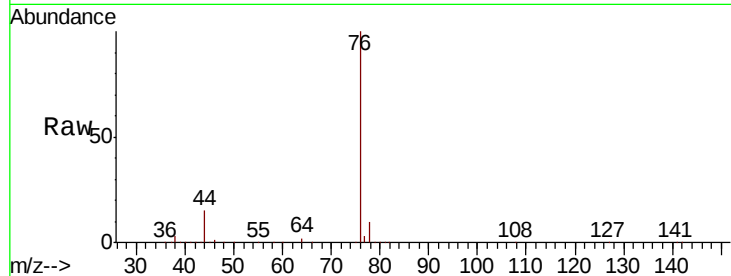
#17
Carbon Disulfide
Concen: 19.07 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.0	10.6

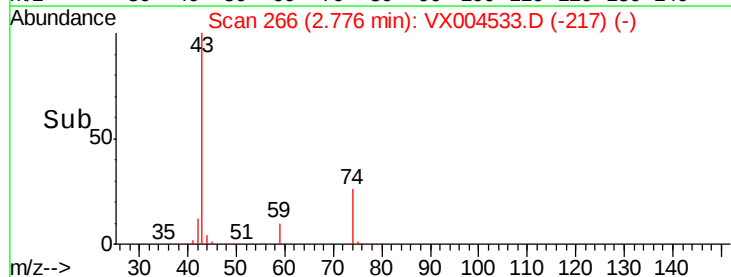
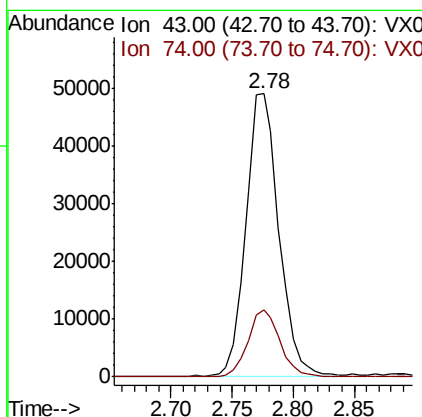
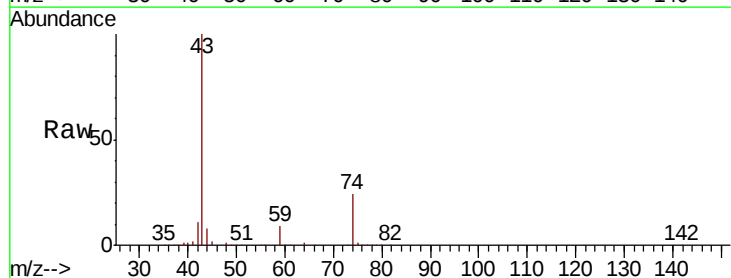
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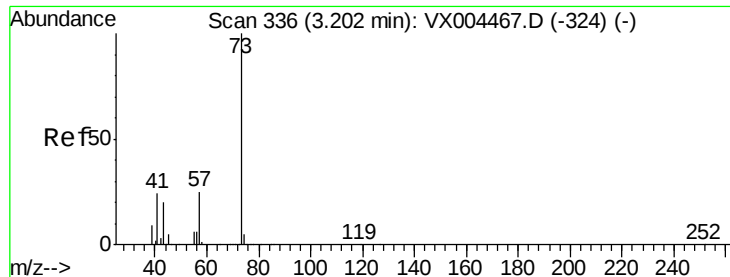
MMDadoda
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#18
Methyl Acetate
Concen: 18.17 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	19.4	29.2





#19

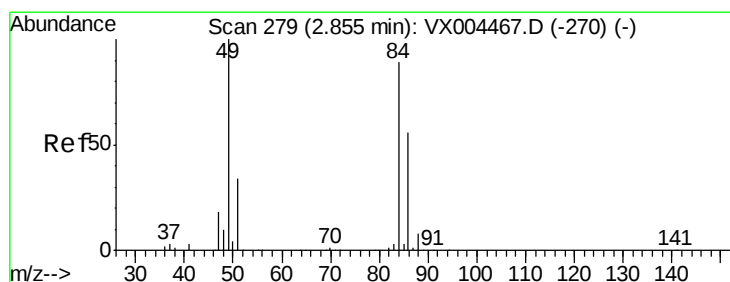
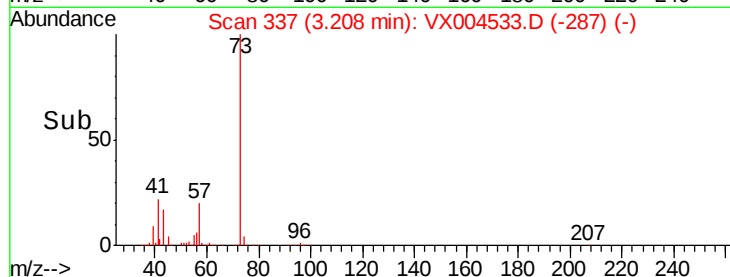
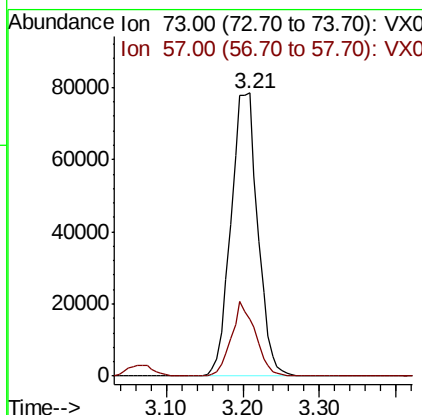
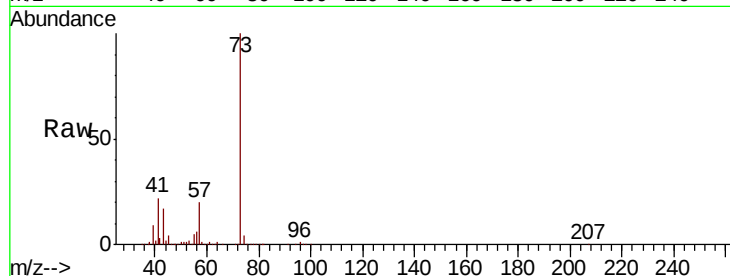
Methyl tert-butyl Ether
 Concen: 18.45 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX004533.D
 Acq: 14 Sep 2018 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBS01

Tot Ion: 73 Resp: 191542
 Ion Ratio Lower Upper
 73 100
 57 20.0 17.1 25.7

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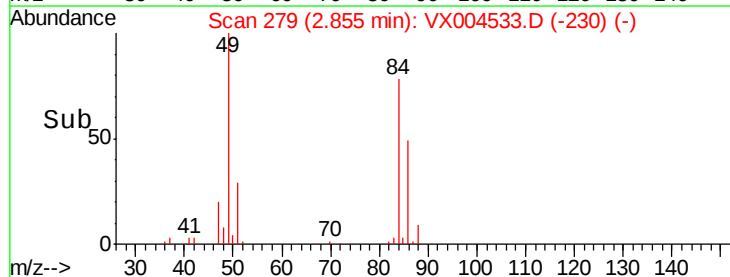
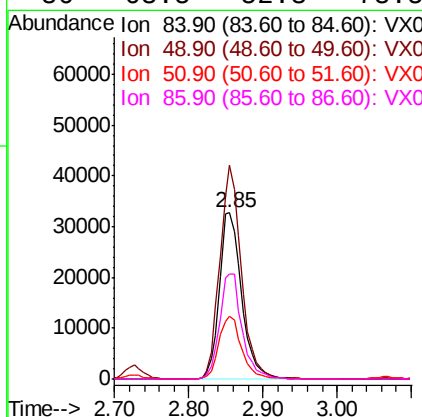
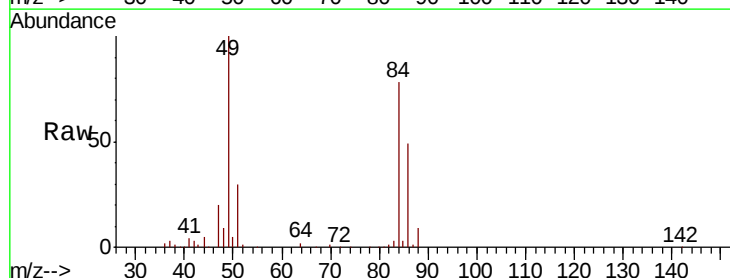
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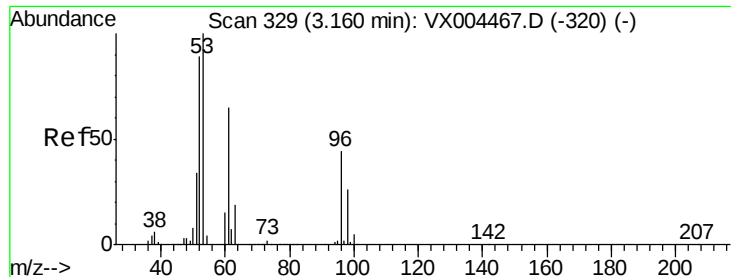


#20

Methylene Chloride
 Concen: 18.56 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX004533.D
 Acq: 14 Sep 2018 12:14

Tgt Ion: 84 Resp: 67870
 Ion Ratio Lower Upper
 84 100
 49 128.5 101.2 151.8
 51 38.0 29.5 44.3
 86 63.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.92 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

Instrument :

MSVOA_X

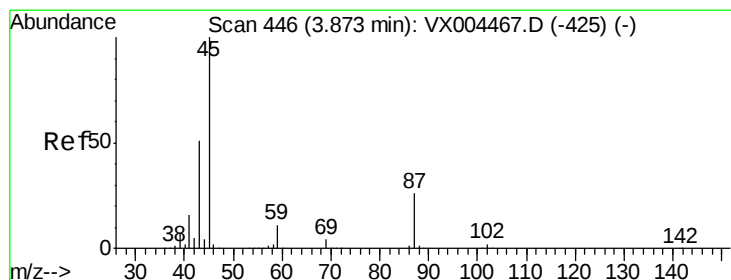
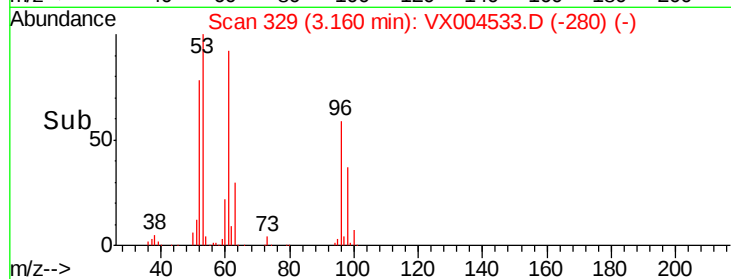
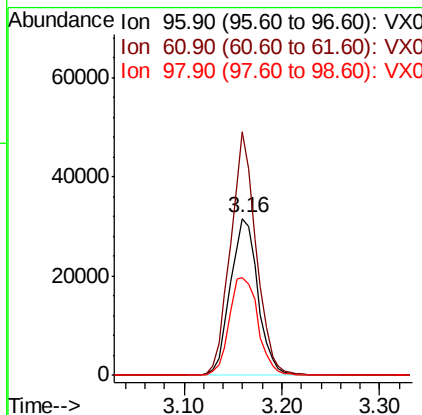
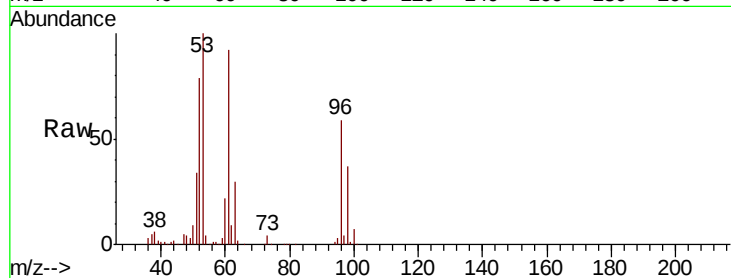
ClientSampleId :

VX0914WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.0	113.8	170.6
98	62.0	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.95 ug/l

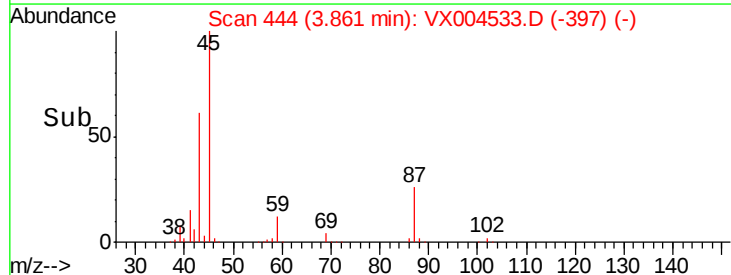
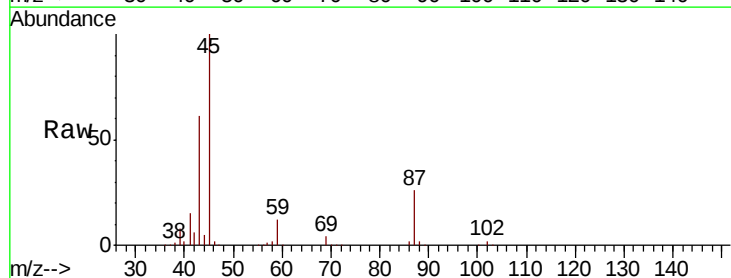
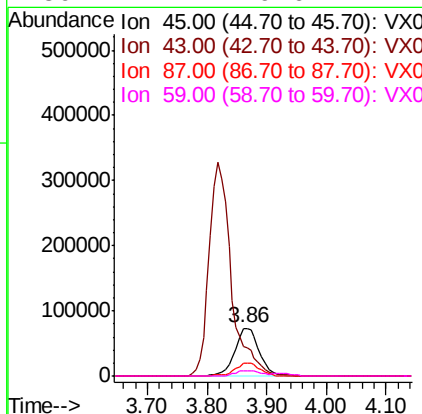
RT: 3.86 min Scan# 444

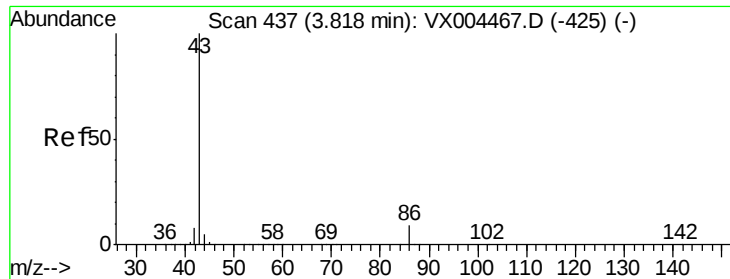
Delta R.T. -0.01 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.8	42.8	64.2
87	26.3	22.6	34.0
59	11.7	9.6	14.4





#23

Vinyl Acetate

Concen: 95.64 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

Instrument :

MSVOA_X

ClientSampled :

VX0914WBS01

Tot Ion: 43 Resp: 847926

Ion Ratio Lower Upper

43 100

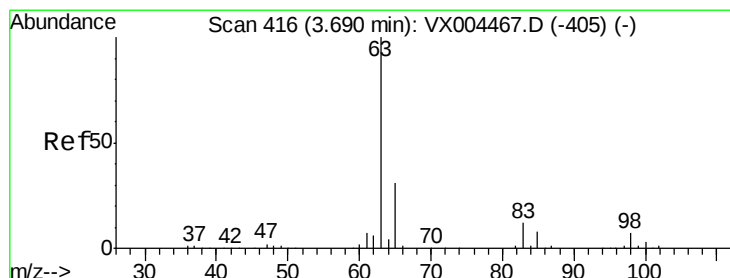
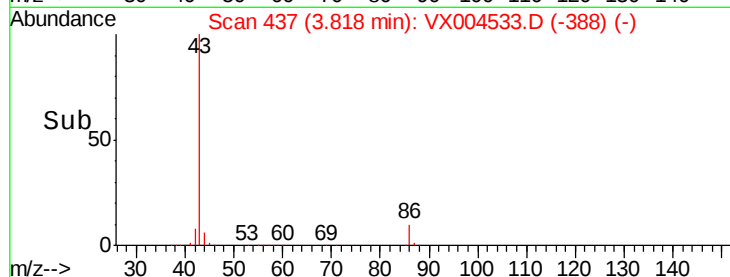
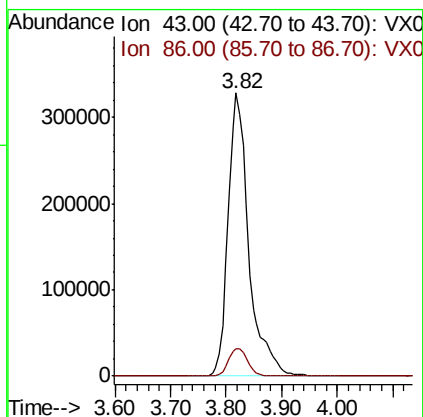
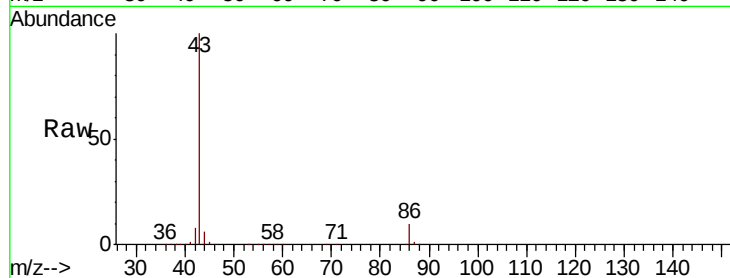
86 9.7 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.72 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

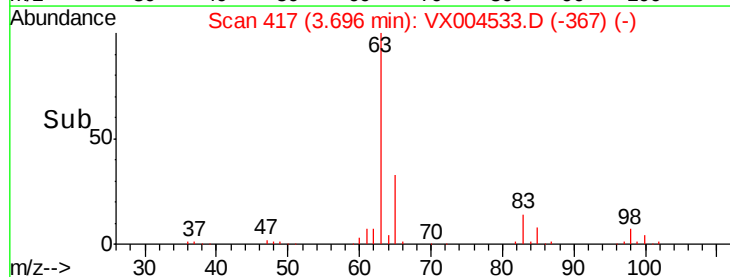
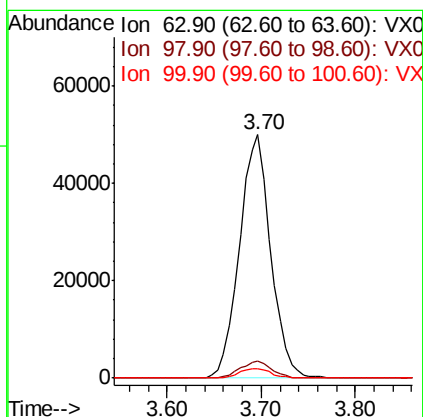
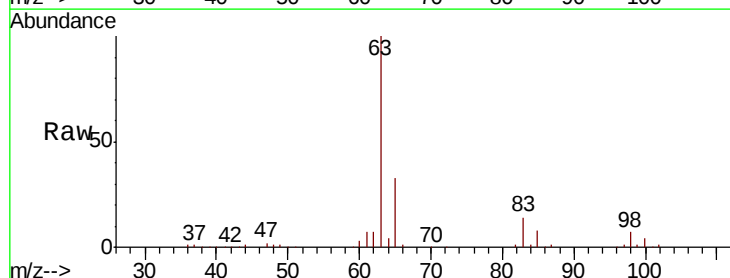
Tgt Ion: 63 Resp: 115793

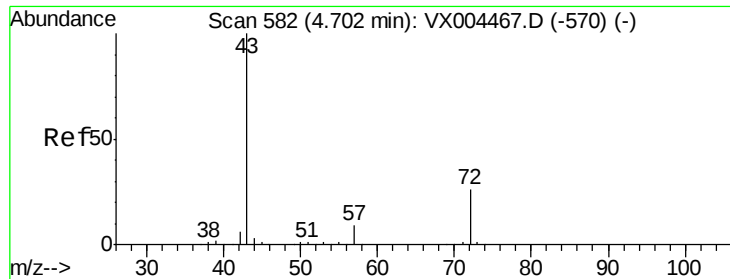
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 3.7 2.4 7.1





#25

2-Butanone

Concen: 83.32 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBS01

Tot Ion: 43 Resp: 236334

Ion Ratio Lower Upper

43 100

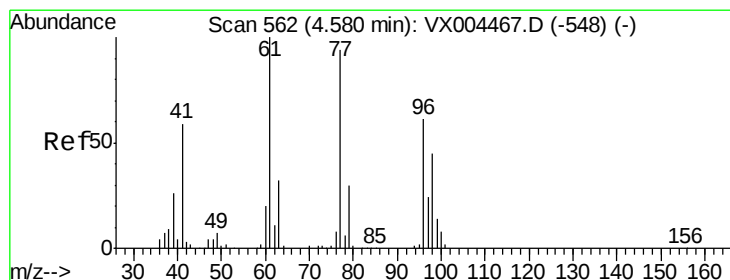
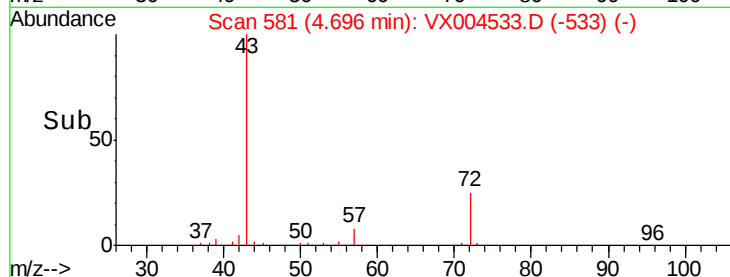
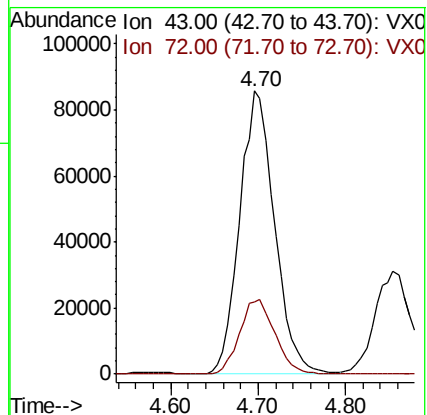
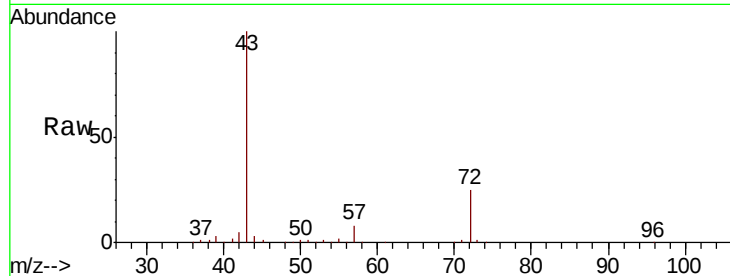
72 25.3 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.35 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX004533.D

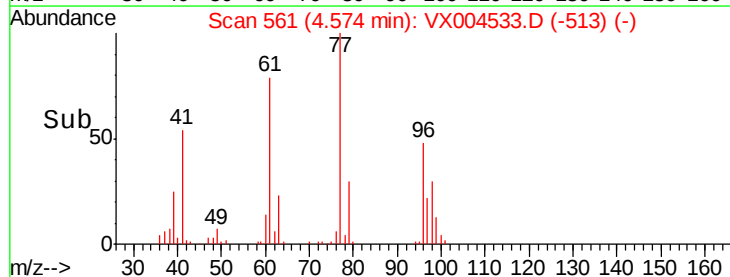
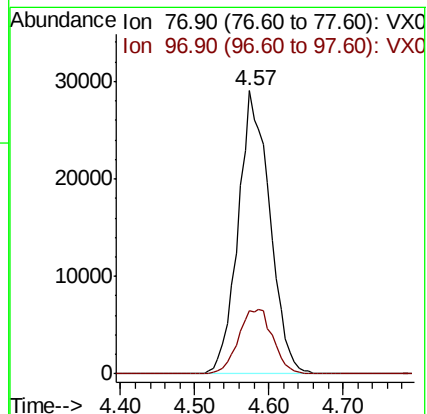
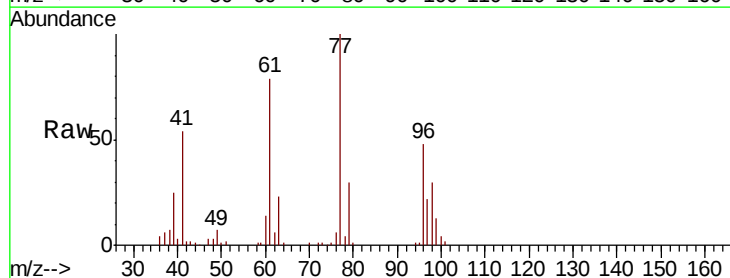
Acq: 14 Sep 2018 12:14

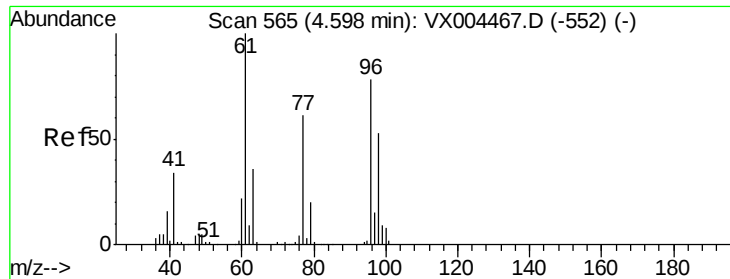
Tgt Ion: 77 Resp: 86452

Ion Ratio Lower Upper

77 100

97 24.9 11.7 35.0





#27

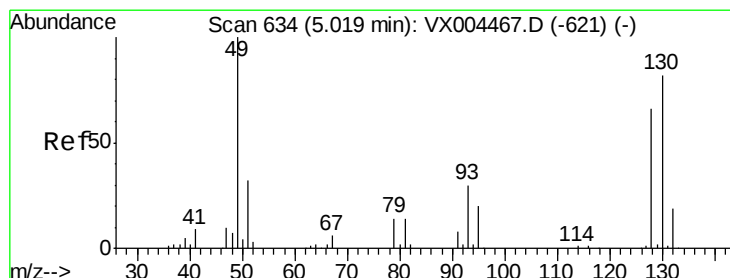
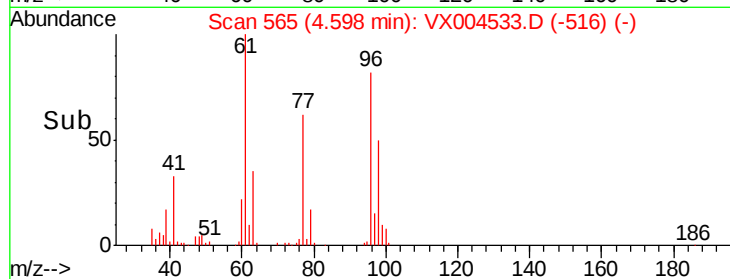
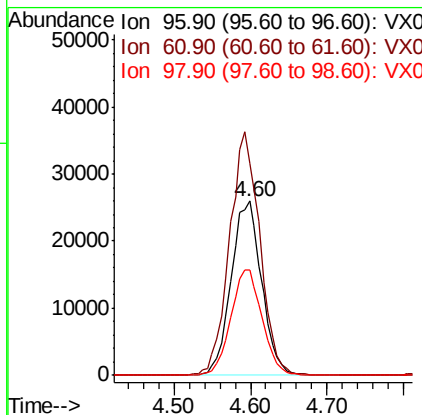
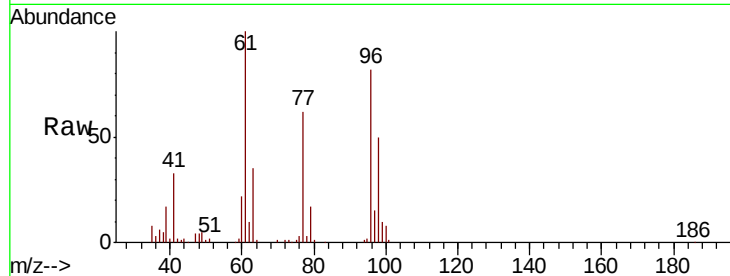
cis-1,2-Dichloroethene
Concen: 19.61 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.1	0.0	282.6
98	62.0	0.0	130.2

Manual Integrations
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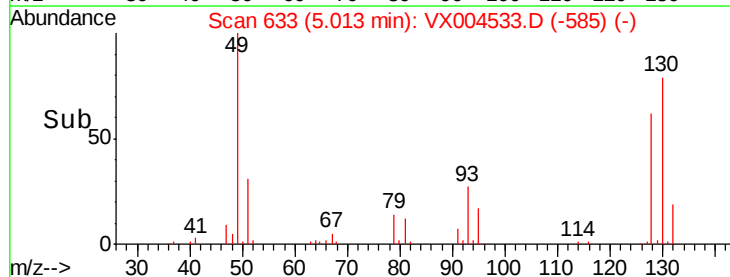
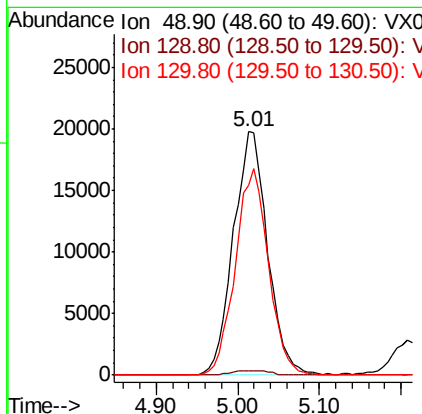
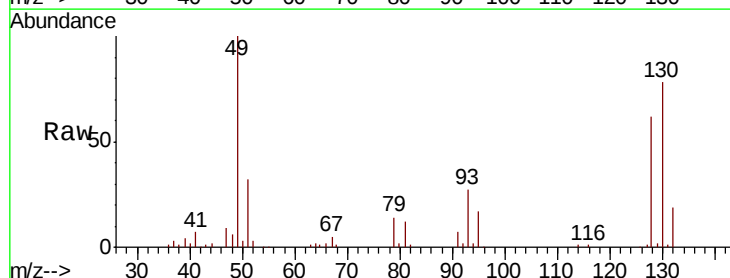
MMDadoda
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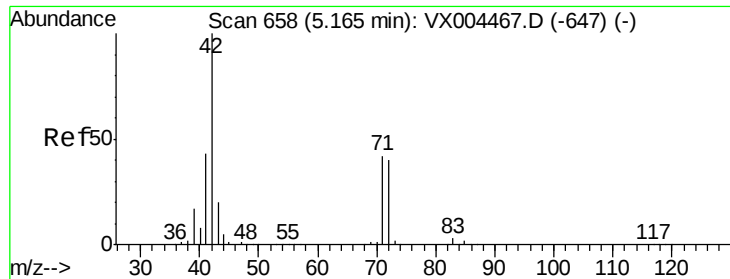


#28

Bromochloromethane
Concen: 20.30 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	82.3	67.5	101.3





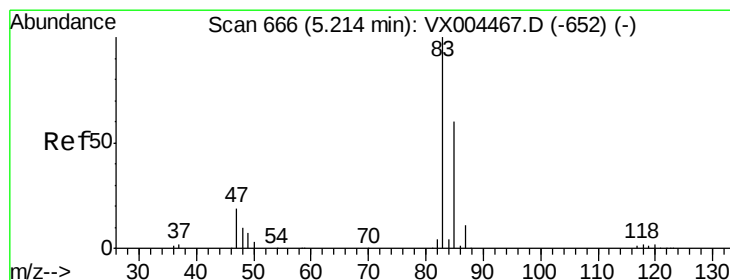
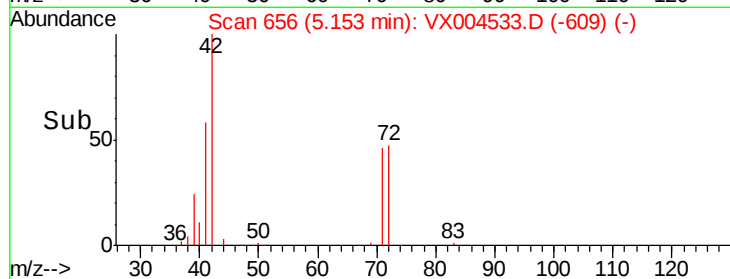
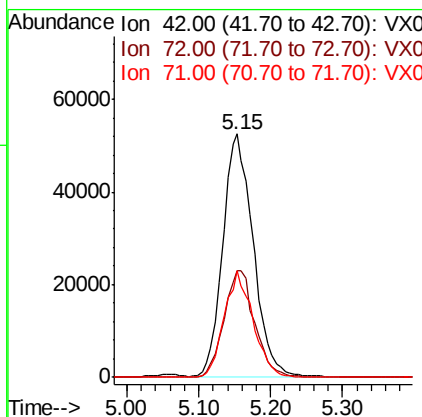
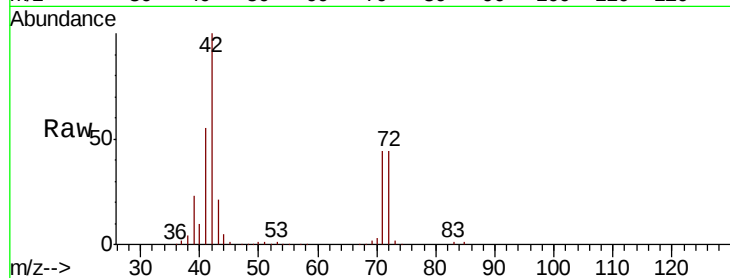
#29
Tetrahydrofuran
Concen: 89.71 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	37.4	56.0
71	41.7	34.5	51.7

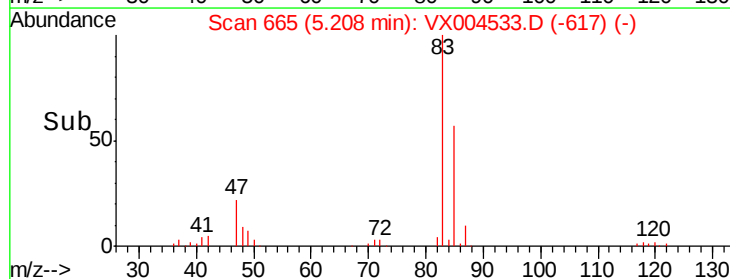
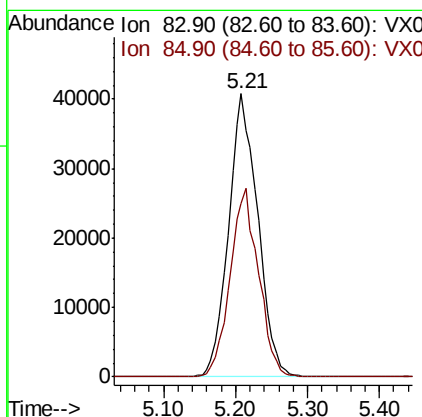
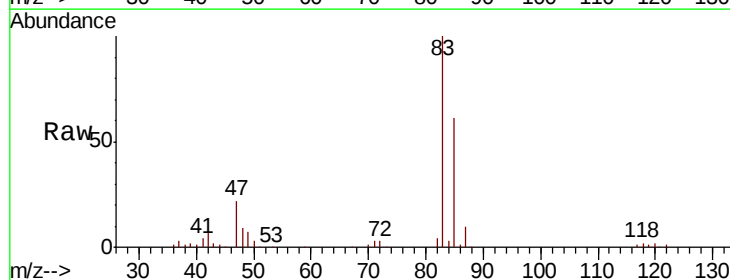
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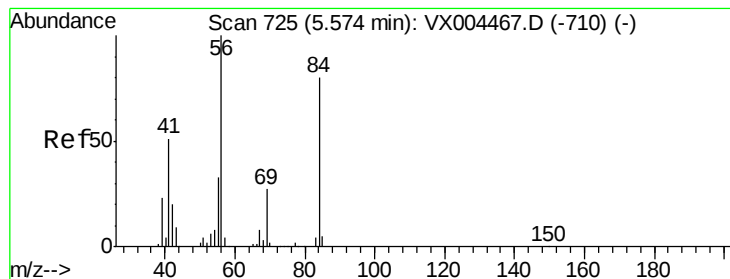
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#30
Chloroform
Concen: 19.03 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.1	52.6	79.0





#31

Cyclohexane

Concen: 19.80 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

Instrument :

MSVOA_X

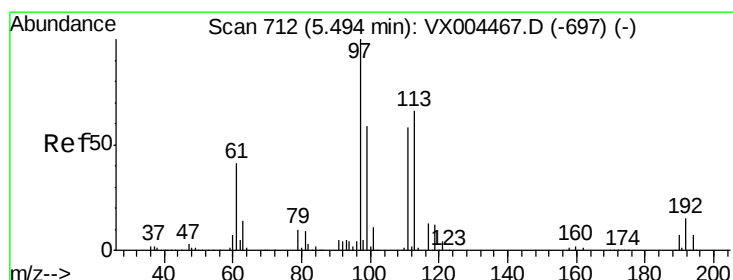
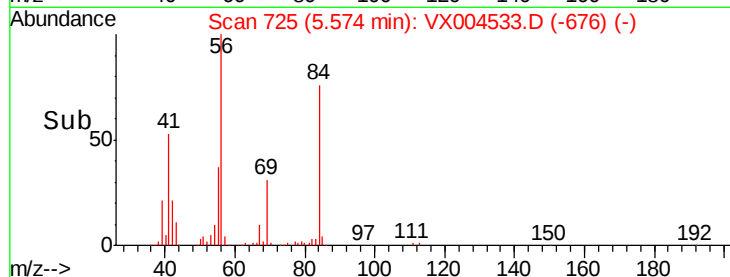
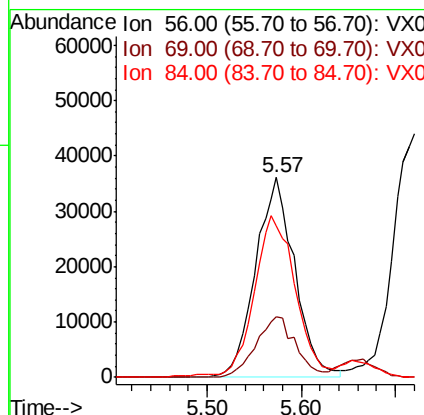
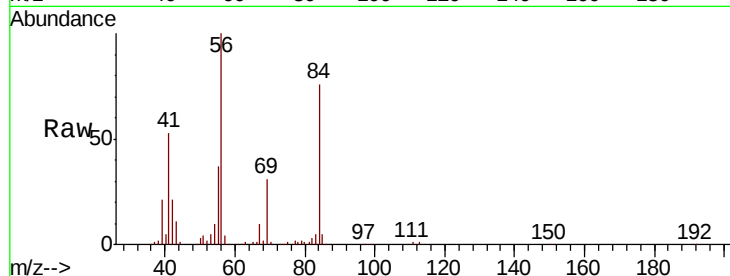
ClientSampled :

VX0914WBS01

Tot Ion:	56	Resp:	104581
Ion	Ratio	Lower	Upper
56	100		
69	30.5	25.4	38.2
84	75.1	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.75 ug/l

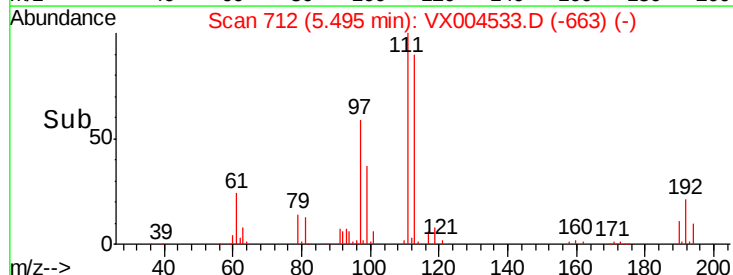
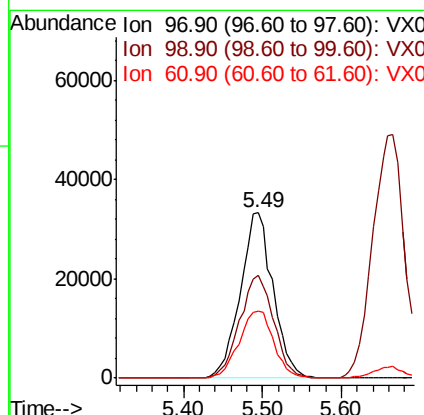
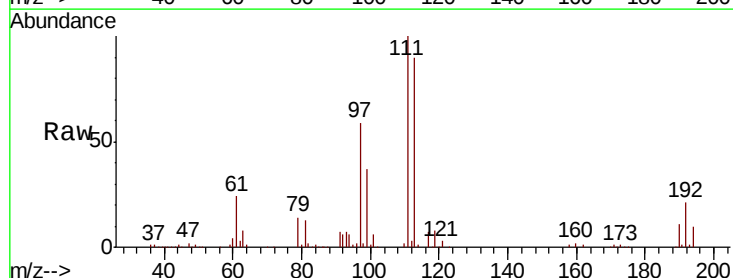
RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

Tgt Ion:	97	Resp:	96048
Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.0	78.0
61	43.4	34.9	52.3





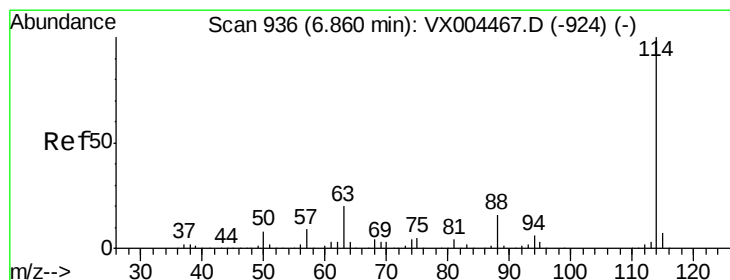
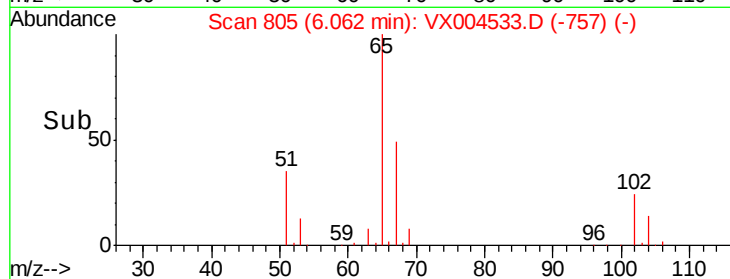
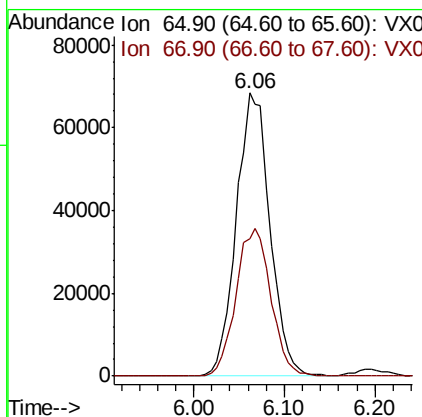
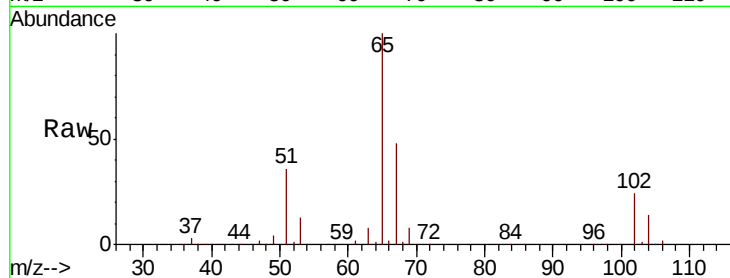
#33
 1,2-Dichloroethane-d4
 Concen: 48.28 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX004533.D
 Acq: 14 Sep 2018 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	106.8

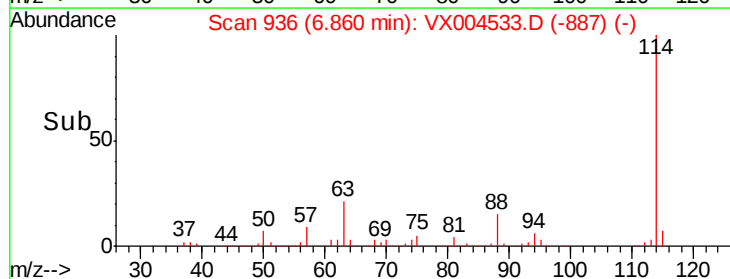
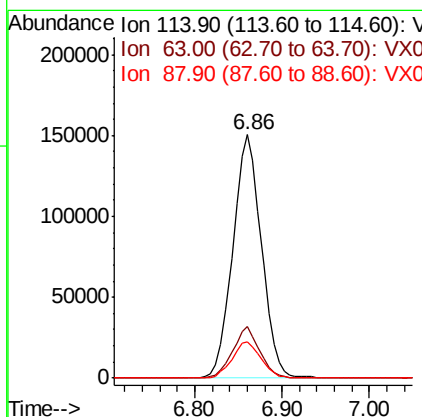
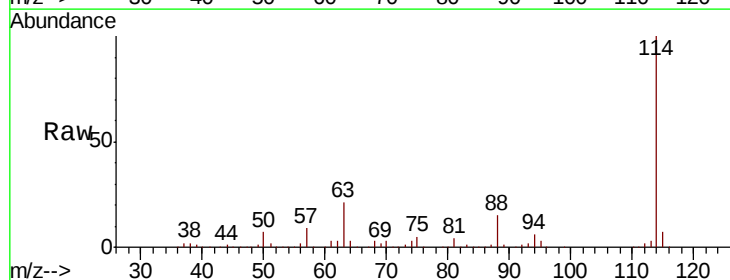
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004533.D
 Acq: 14 Sep 2018 12:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	39.0
88	15.0	0.0	30.4





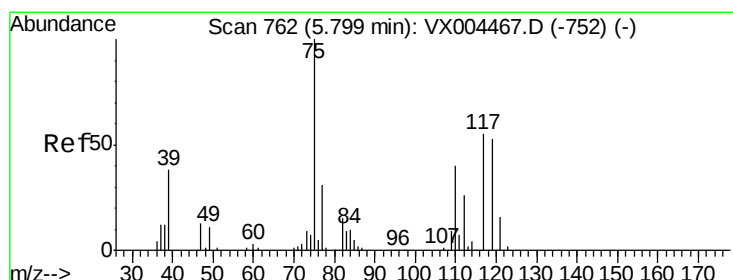
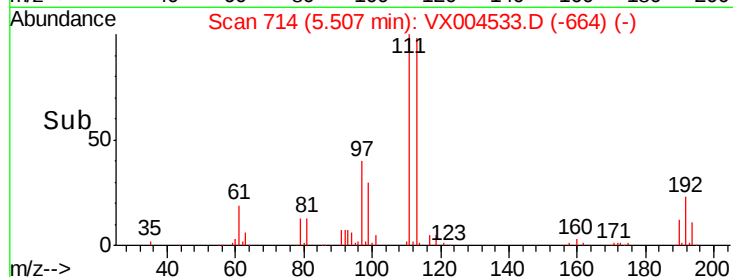
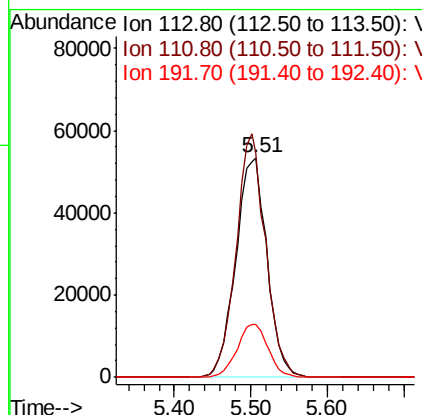
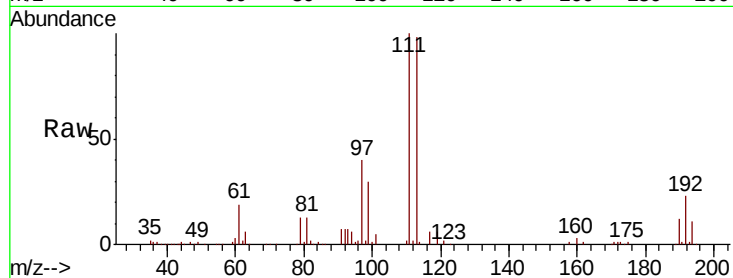
#35
 Dibromofluoromethane
 Concen: 48.32 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004533.D
 Acq: 14 Sep 2018 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	151343		
111	104.1	82.4	123.6	
192	24.0	19.4	29.2	

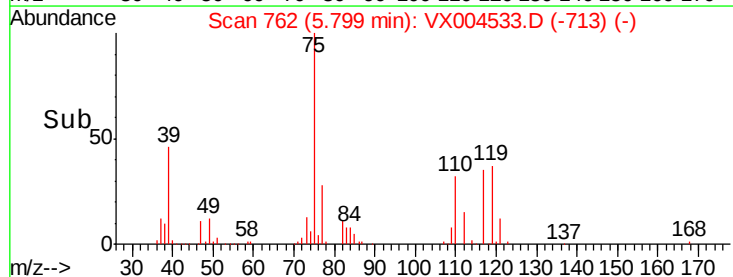
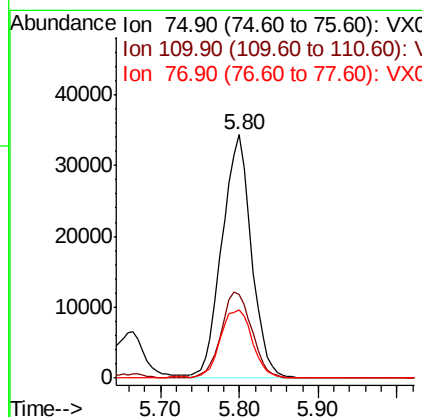
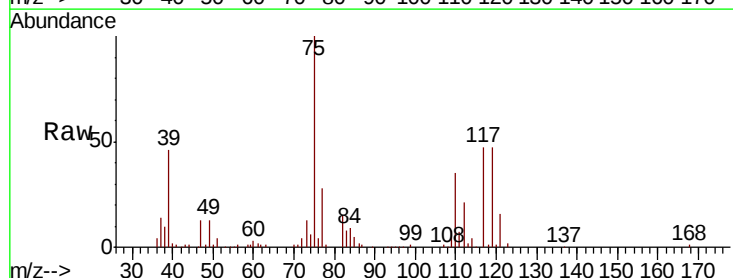
Manual Integrations
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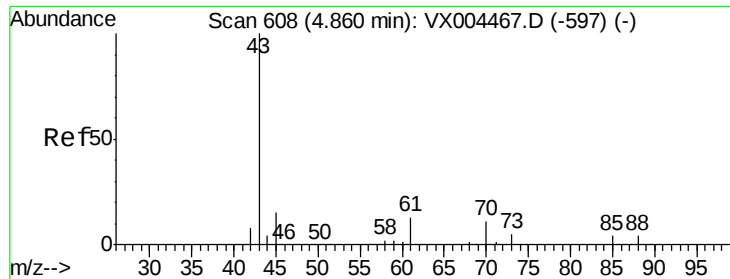
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#36
 1,1-Dichloropropene
 Concen: 21.53 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX004533.D
 Acq: 14 Sep 2018 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	89468		
110	36.7	18.0	54.0	
77	30.6	24.6	36.8	





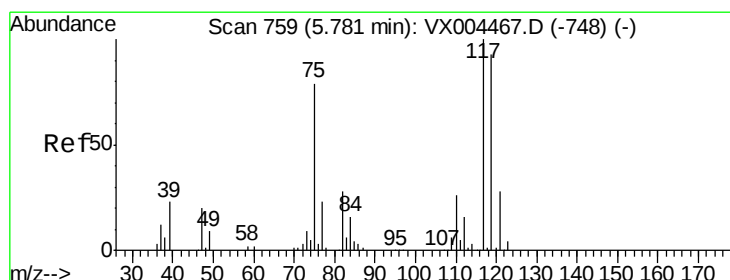
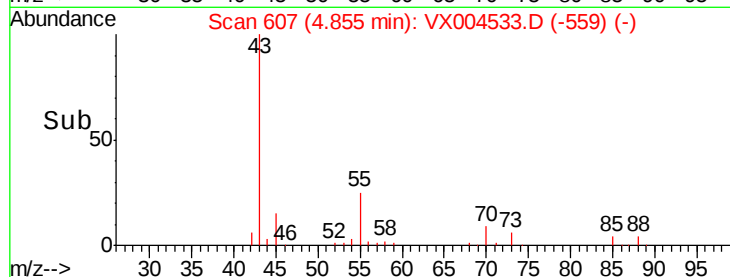
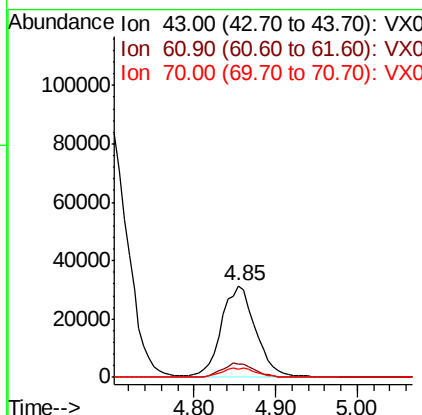
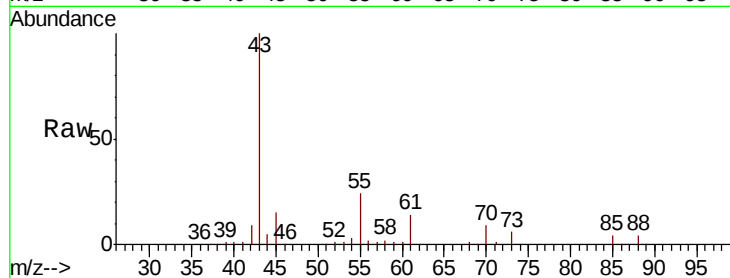
#37
Ethyl Acetate
Concen: 19.05 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Instrument :
MSVOA_X
ClientSampleID :
VX0914WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.5	17.3
70	10.7	9.0	13.6

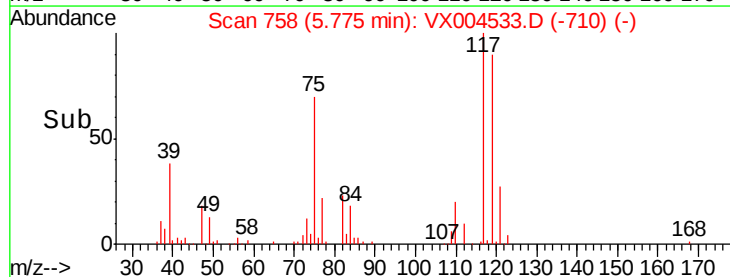
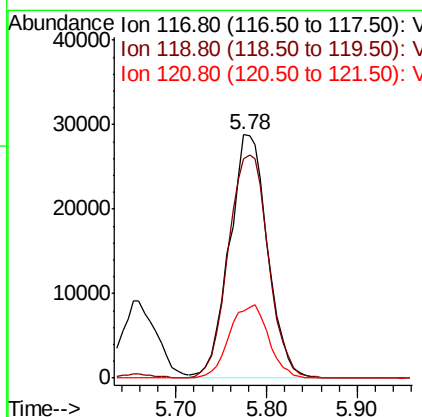
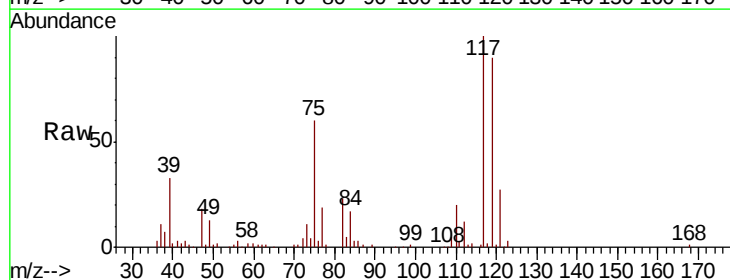
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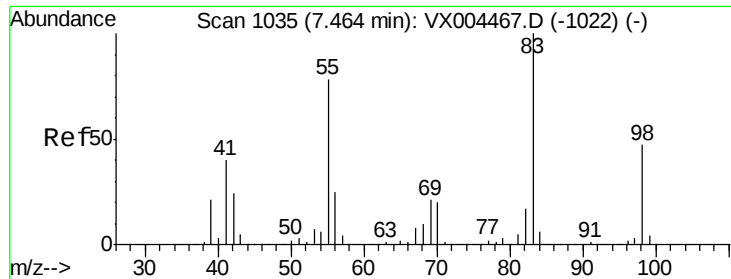
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#38
Carbon Tetrachloride
Concen: 20.71 ug/l
RT: 5.78 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.3	78.8	118.2
121	27.3	24.9	37.3





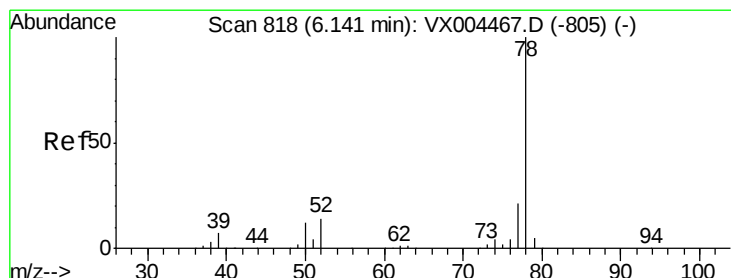
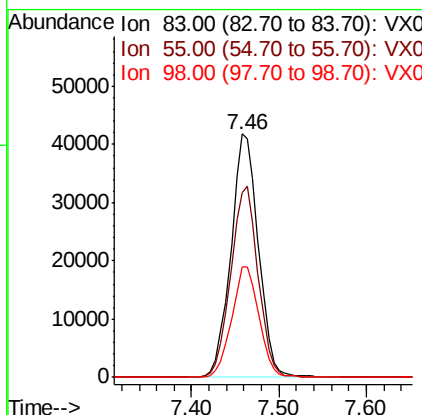
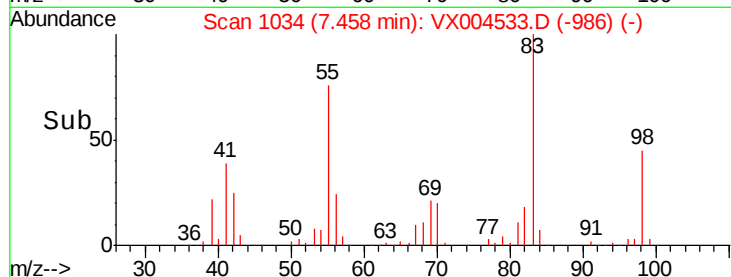
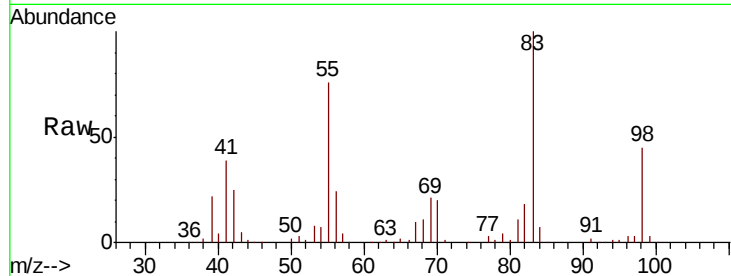
#39
Methvlcvclohexane
Concen: 21.09 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBS01

Tot Ion	83.00	Resp	91433
Ion Ratio	Lower	Upper	
83	100		
55	75.8	61.0	91.4
98	45.2	39.6	59.4

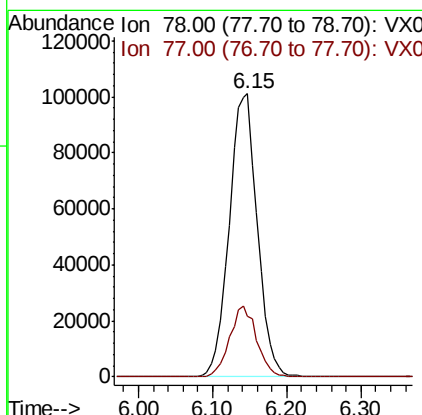
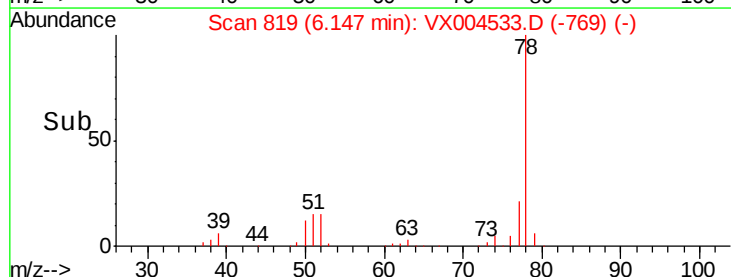
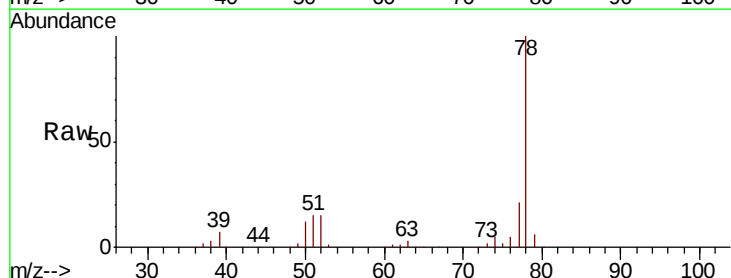
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#40
Benzene
Concen: 21.65 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Tgt Ion	78.00	Resp	266964
Ion Ratio	Lower	Upper	
78	100		
77	21.3	19.0	28.4





#41

Methacrylonitrile

Concen: 19.57 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

Instrument :

MSVOA_X

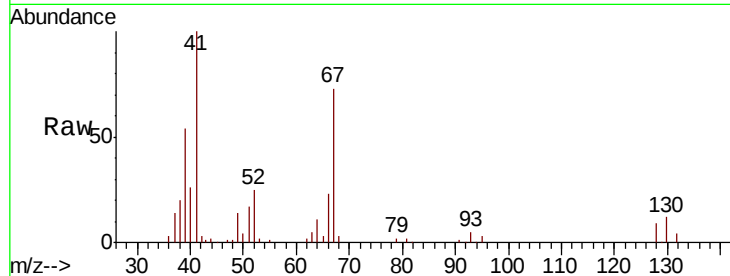
ClientSampleId :

VX0914WBS01

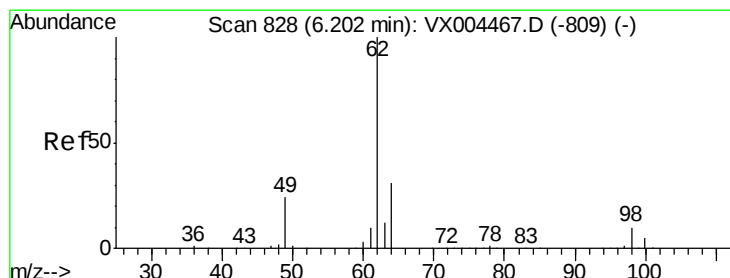
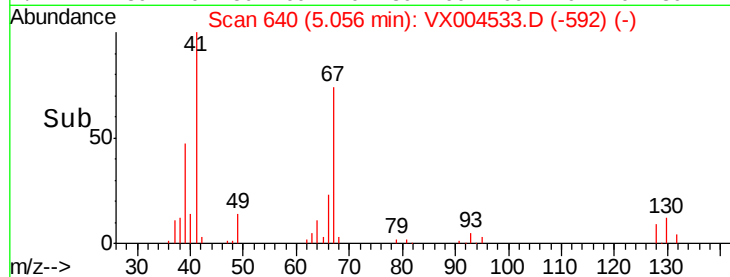
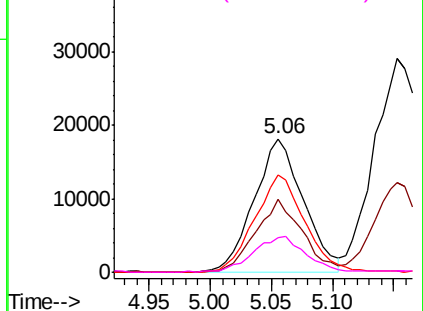
Tot Ion:	41	Resp:	50944
Ion	Ratio	Lower	Upper
41	100		
39	52.0	42.4	63.6
67	74.2	59.2	88.8
52	28.7	23.0	34.4

Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 21.17 ug/l

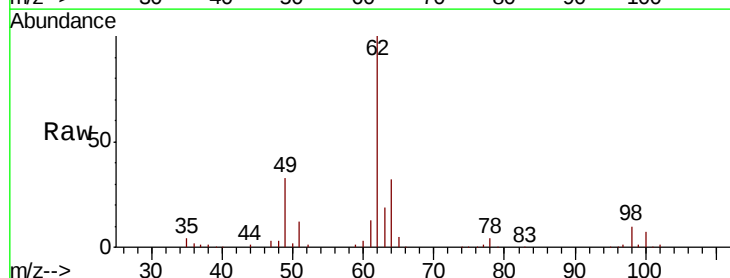
RT: 6.20 min Scan# 827

Delta R.T. -0.01 min

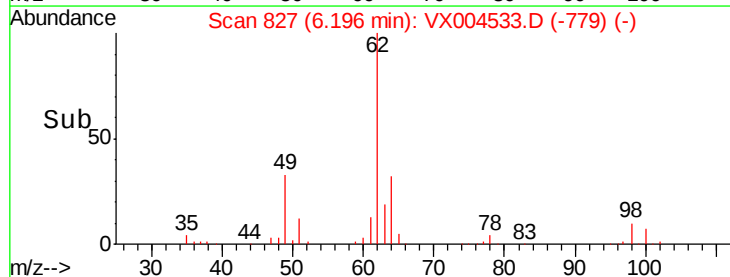
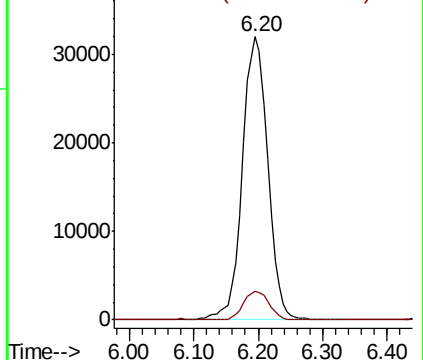
Lab File: VX004533.D

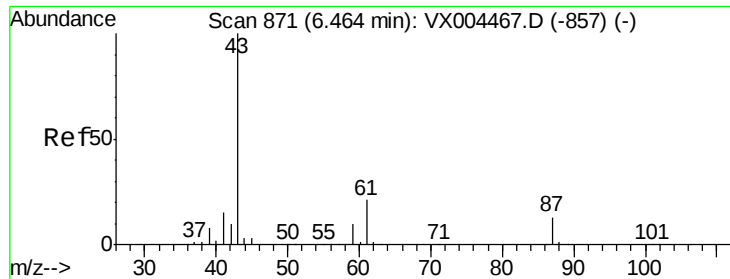
Acq: 14 Sep 2018 12:14

Tgt Ion:	62	Resp:	86570
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

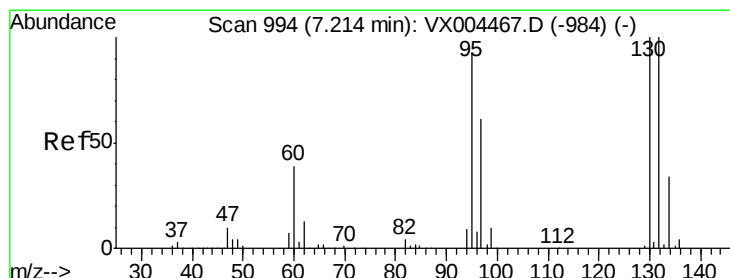
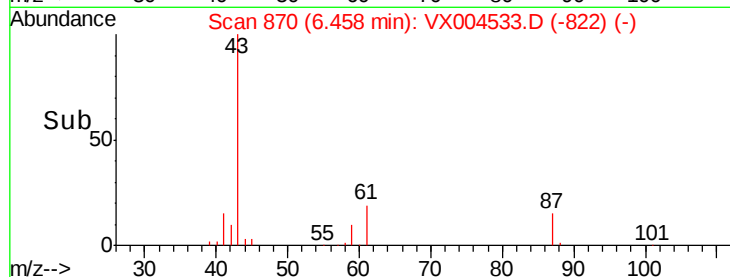
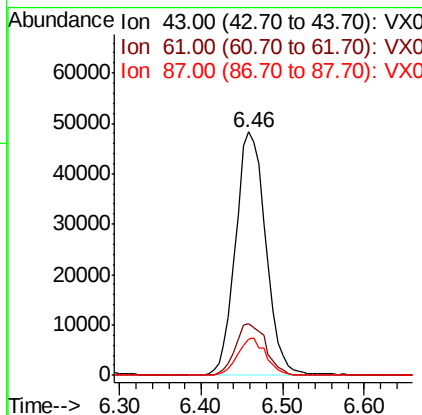
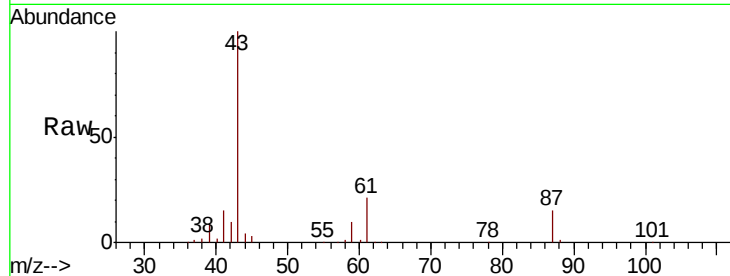
Isopropyl Acetate
 Concen: 19.60 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX004533.D
 Acq: 14 Sep 2018 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.5	17.0	25.4
87	14.3	11.4	17.2

Manual Integrations
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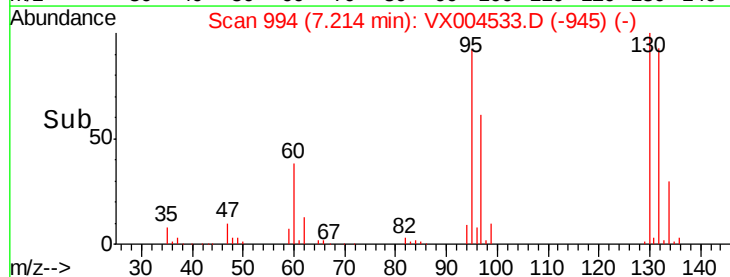
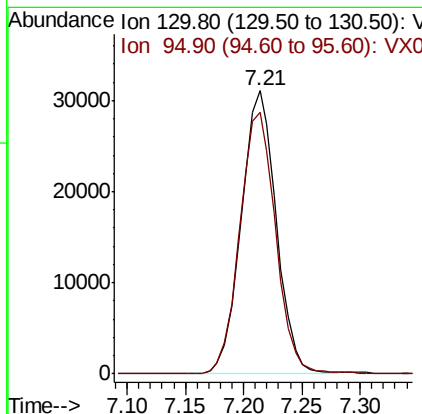
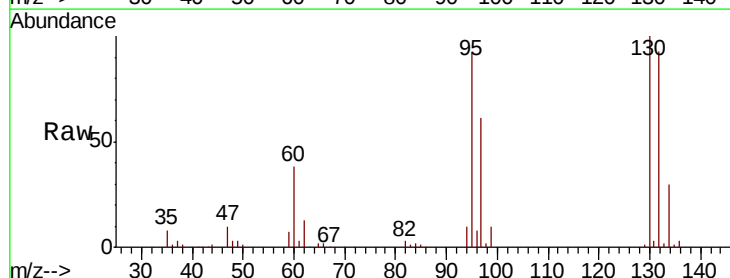
MMDadoda
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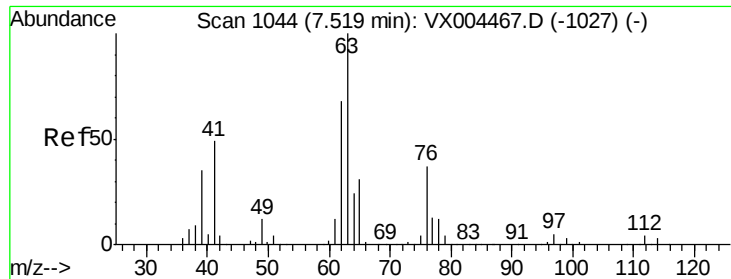


#44

Trichloroethene
 Concen: 20.36 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX004533.D
 Acq: 14 Sep 2018 12:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	181.6





#45

1,2-Dichloropropane

Concen: 20.30 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBS01

Tot Ion: 63 Resp: 60210

Ion Ratio Lower Upper

63 100

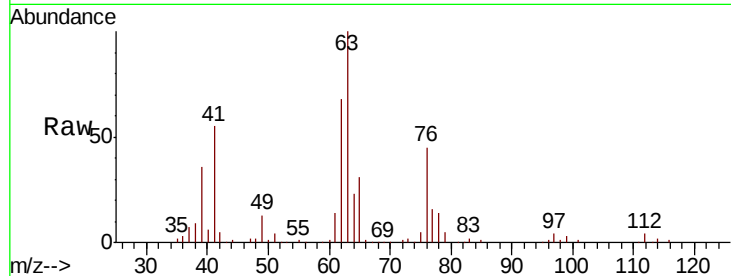
65 30.9 24.3 36.5

Manual Integrations

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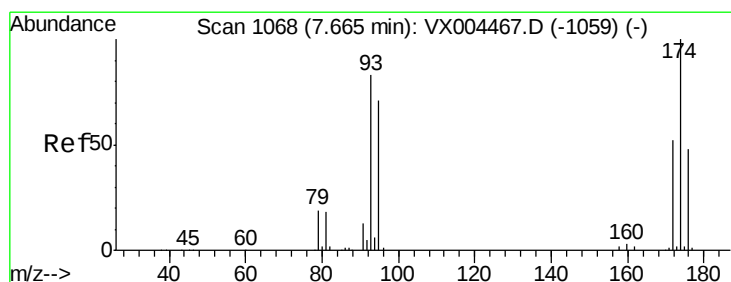
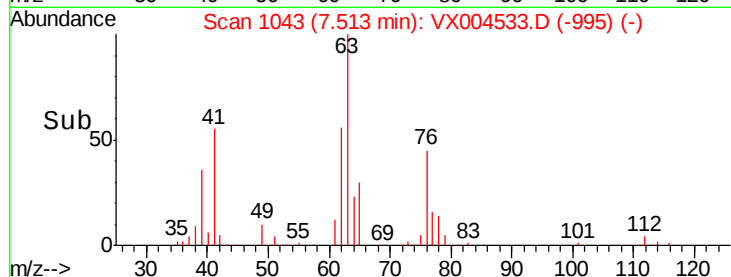
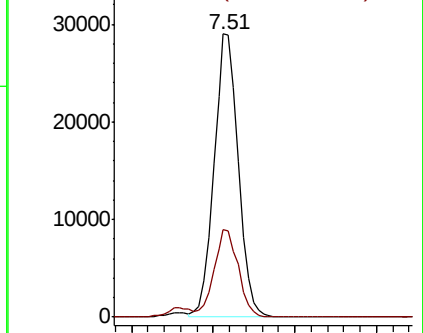
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.05 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

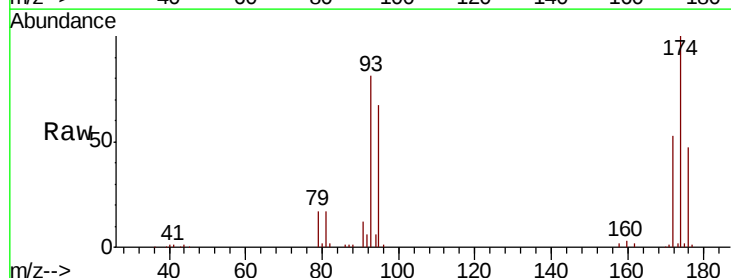
Tgt Ion: 93 Resp: 37577

Ion Ratio Lower Upper

93 100

95 84.0 65.5 98.3

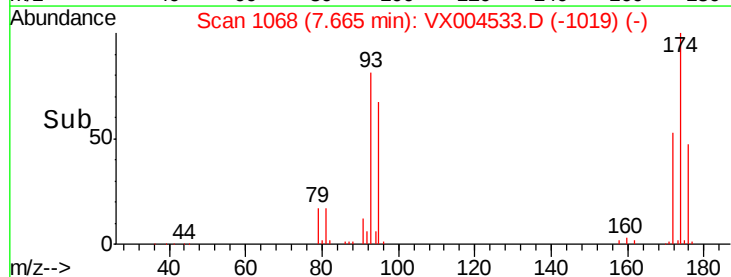
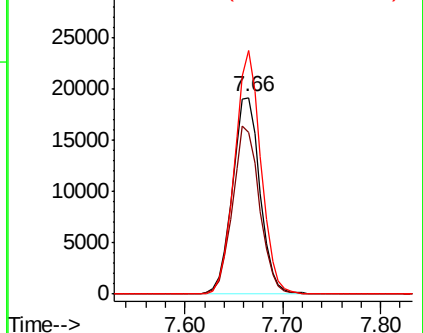
174 117.9 94.2 141.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





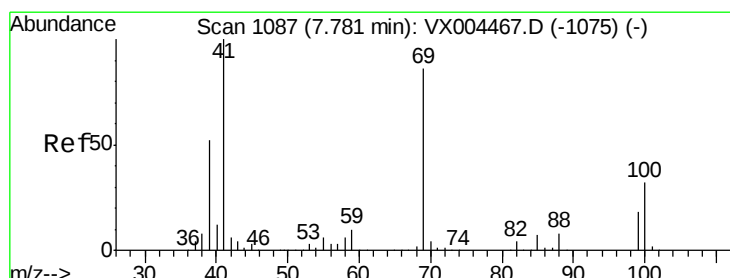
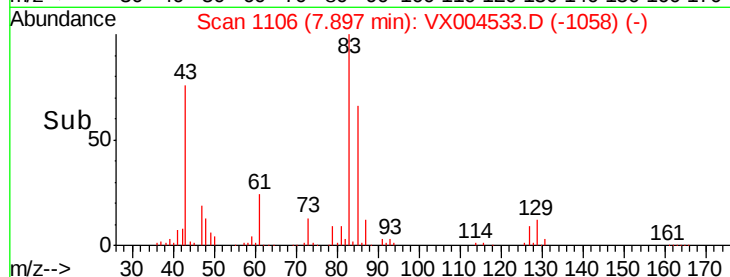
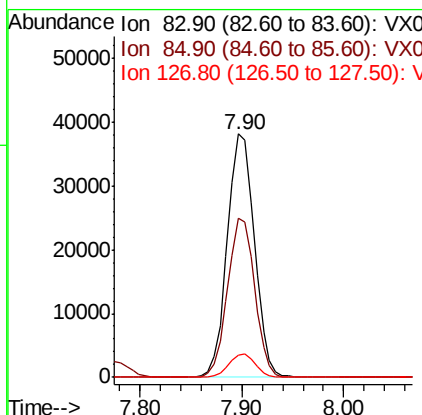
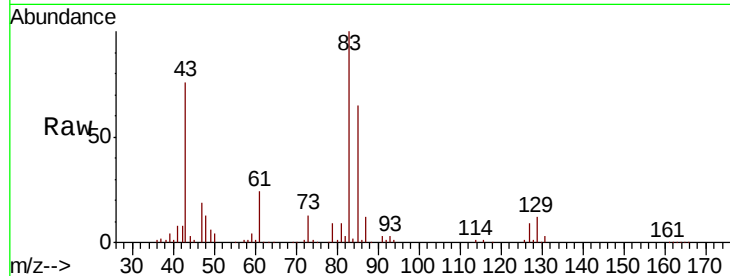
#47
Bromodichloromethane
Concen: 19.83 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBS01

Tot Ion	83	Resp	70278
Ion Ratio	Lower	Upper	
83	100		
85	65.5	50.9	76.3
127	9.0	7.3	10.9

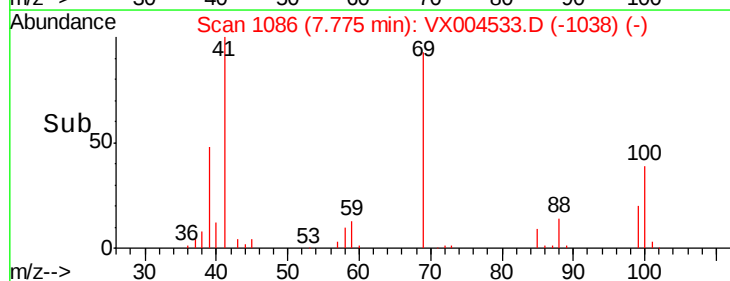
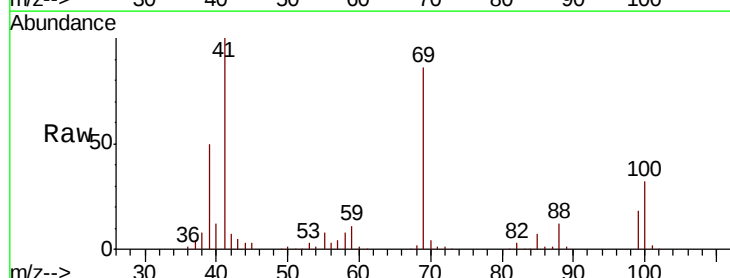
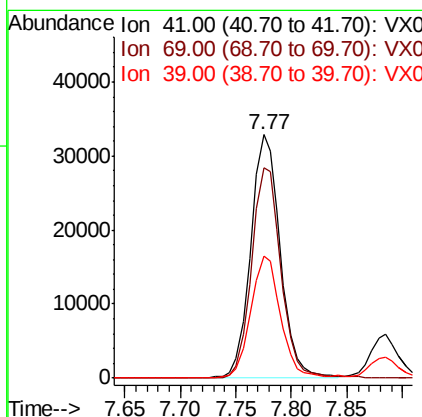
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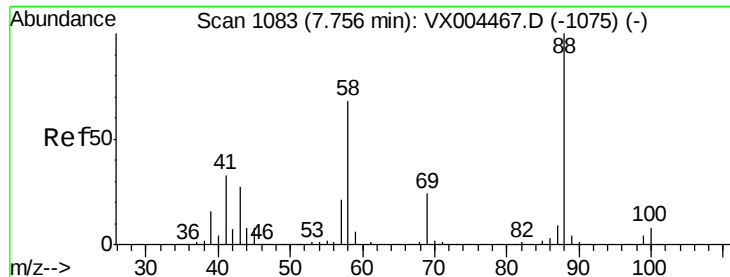
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#48
Methyl methacrylate
Concen: 19.56 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Tgt Ion	41	Resp	60765
Ion Ratio	Lower	Upper	
41	100		
69	86.5	70.2	105.4
39	50.6	42.7	64.1





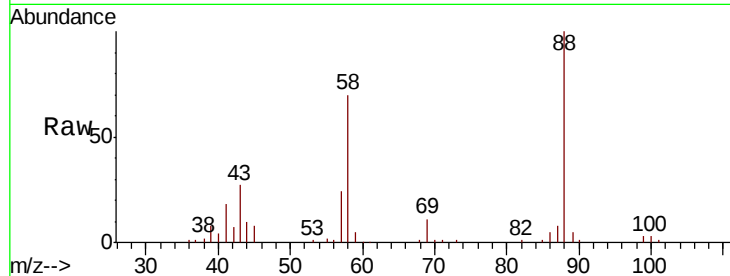
#49
1,4-Dioxane
Concen: 389.94 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBS01

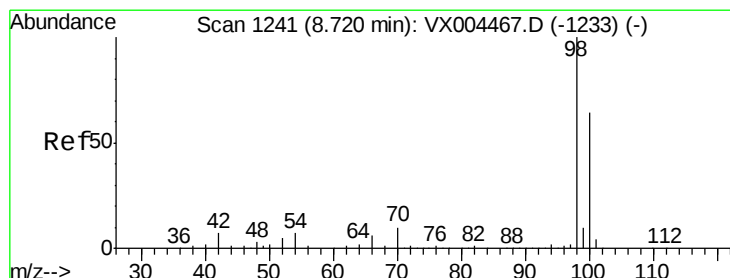
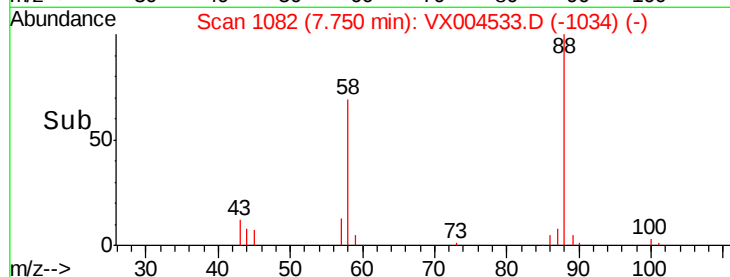
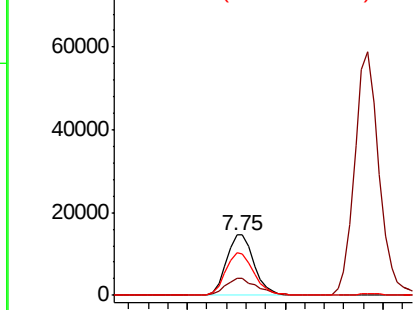
Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	24.7	37.1
58	71.3	55.3	82.9

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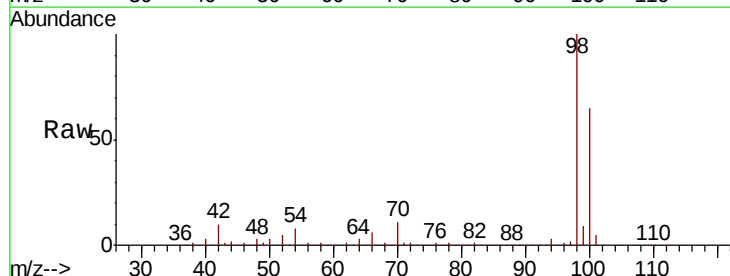


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

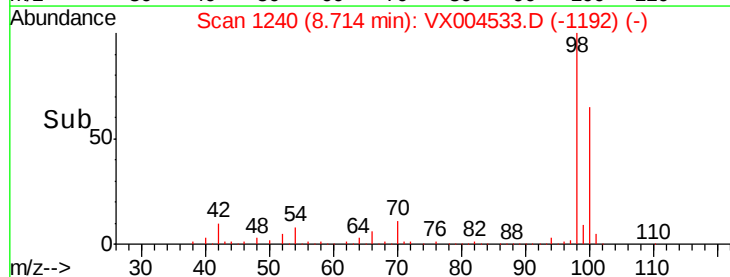
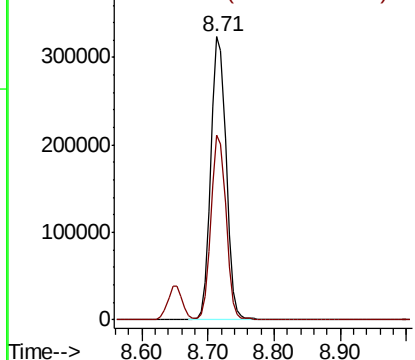


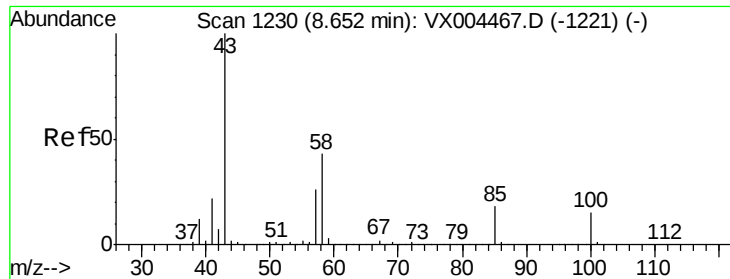
#50
Toluene-d8
Concen: 49.41 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.9	79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





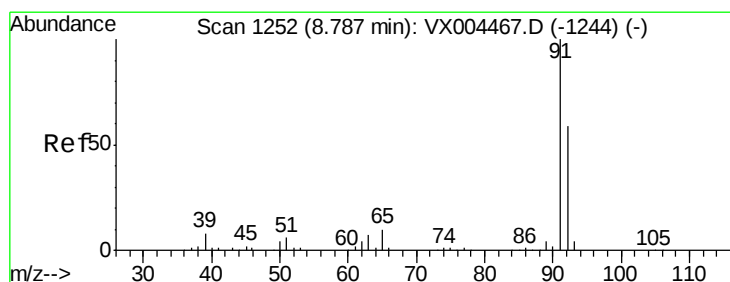
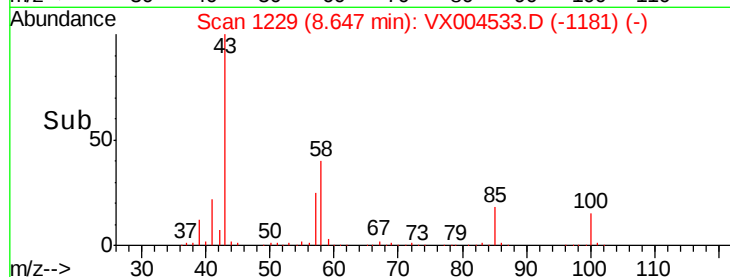
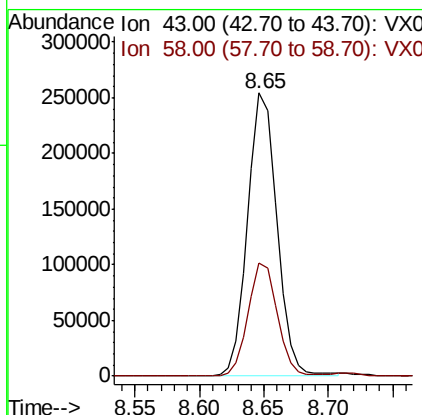
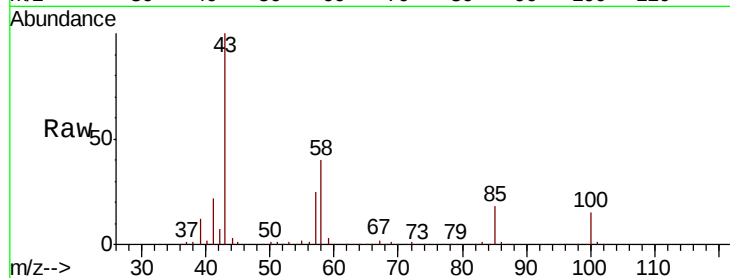
#51
4-Methyl-2-Pentanone
Concen: 90.39 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Instrument :
MSVOA_X
ClientSampled :
VX0914WBS01

Tot Ion: 43 Resp: 400390
Ion Ratio Lower Upper
43 100
58 39.8 33.1 49.7

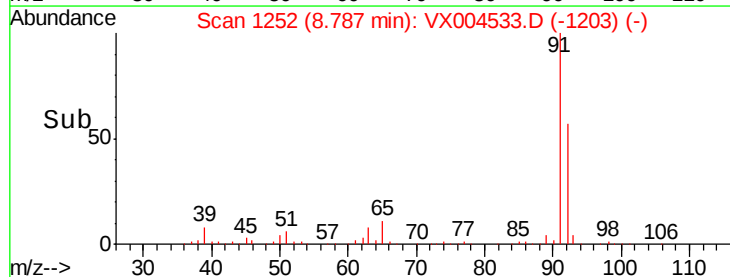
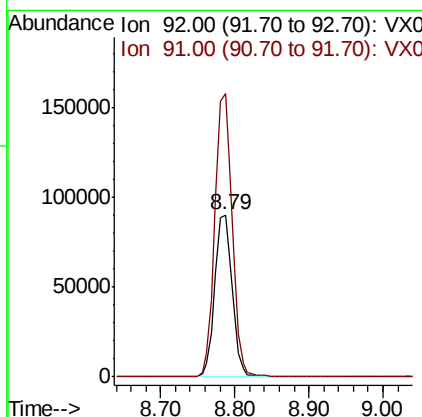
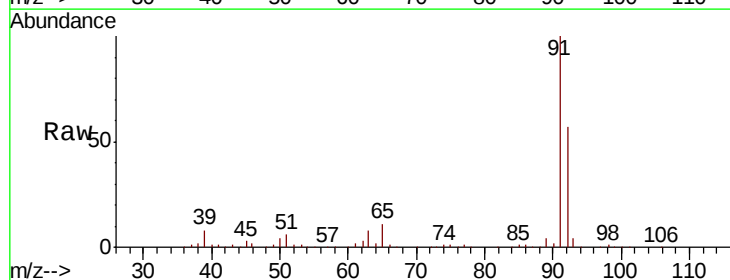
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#52
Toluene
Concen: 19.94 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Tgt Ion: 92 Resp: 144841
Ion Ratio Lower Upper
92 100
91 174.4 136.4 204.6





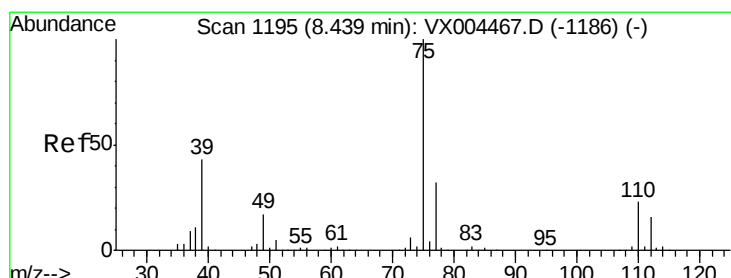
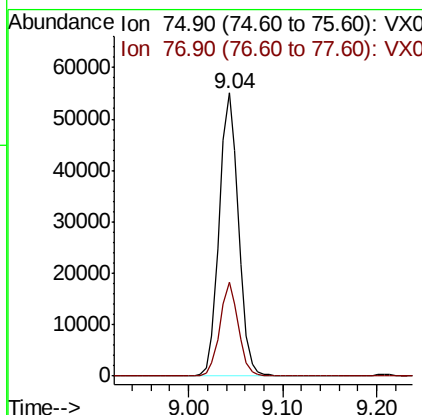
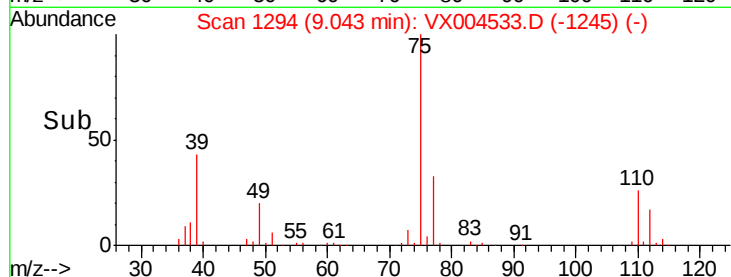
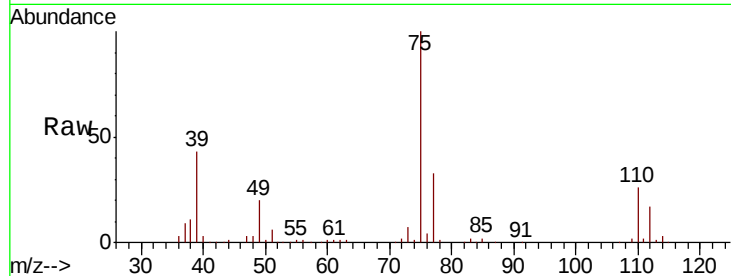
#53
 t-1,3-Dichloropropene
 Concen: 18.89 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX004533.D
 Acq: 14 Sep 2018 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBS01

Tot Ion: 75 Resp: 78185
 Ion Ratio Lower Upper
 75 100
 77 33.1 24.6 37.0

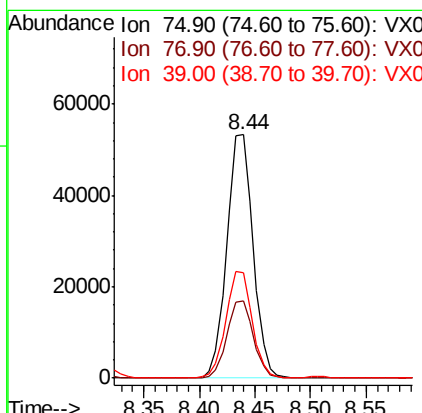
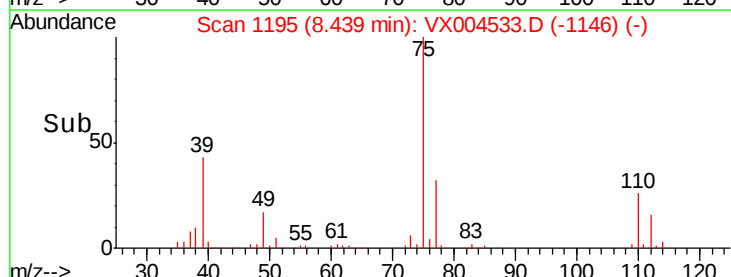
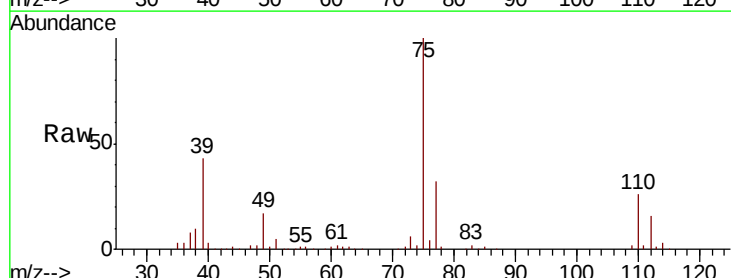
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#54
 cis-1,3-Dichloropropene
 Concen: 20.67 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.00 min
 Lab File: VX004533.D
 Acq: 14 Sep 2018 12:14

Tgt Ion: 75 Resp: 87252
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.2 39.2
 39 43.1 36.4 54.6





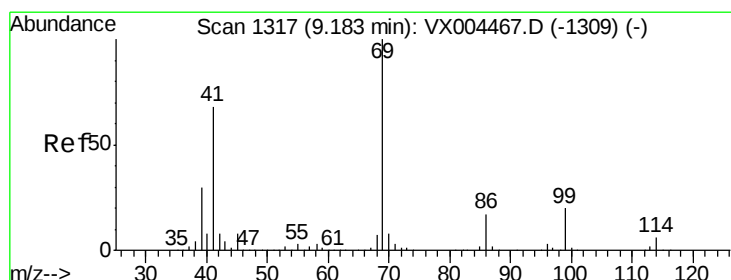
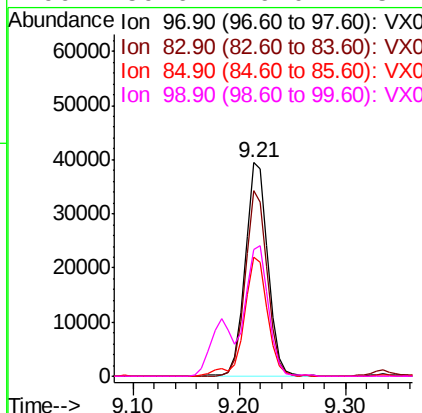
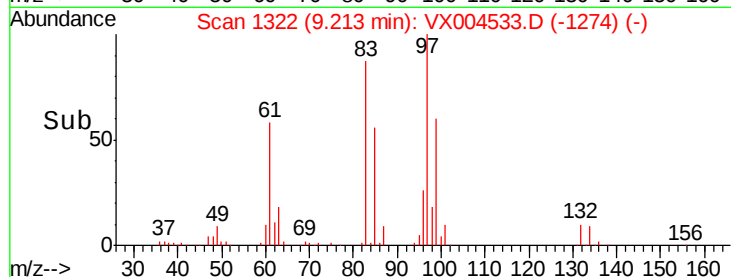
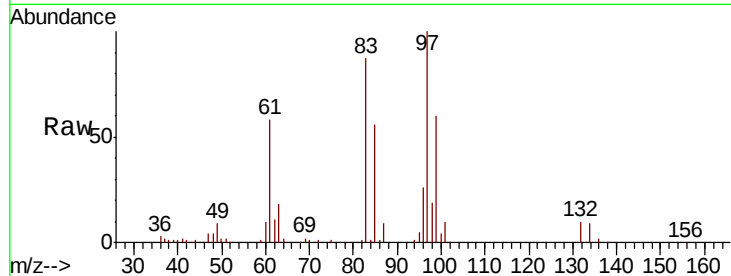
#55
 1,1,2-Trichloroethane
 Concen: 18.76 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX004533.D
 Acq: 14 Sep 2018 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		58659		
83	87.2	66.4	99.6		
85	55.6	43.3	64.9		
99	59.6	49.0	73.4		

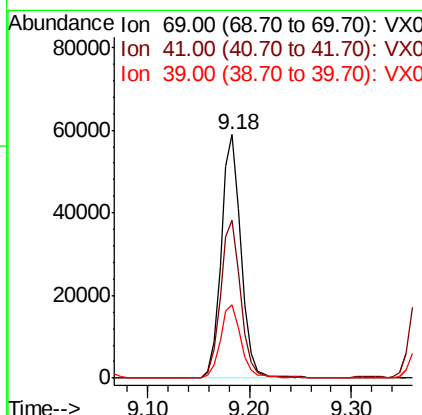
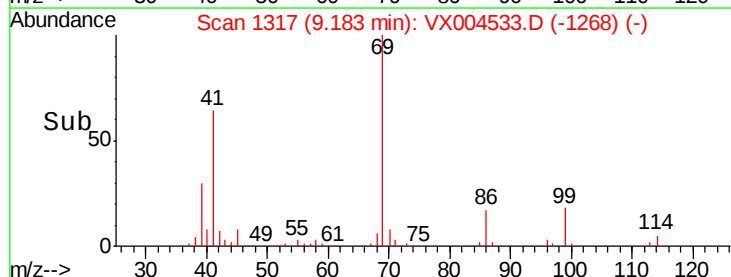
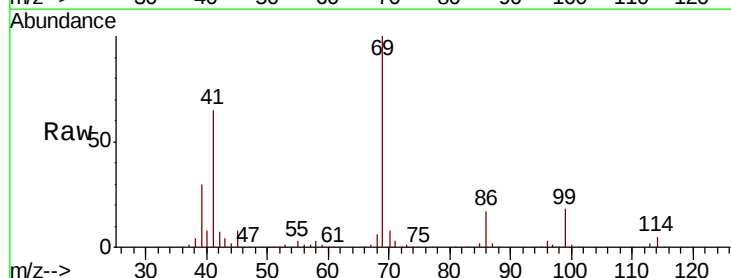
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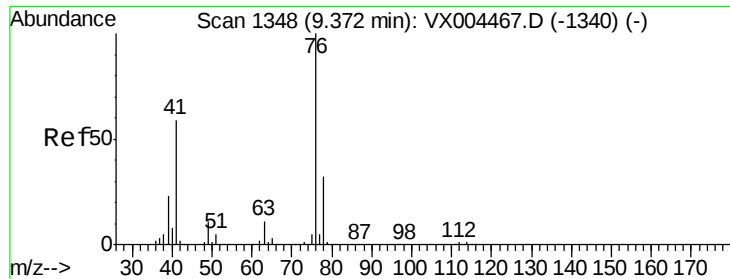
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#56
 Ethyl methacrylate
 Concen: 18.09 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004533.D
 Acq: 14 Sep 2018 12:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		80028		
41	65.8	51.0	76.4		
39	30.8	26.1	39.1		





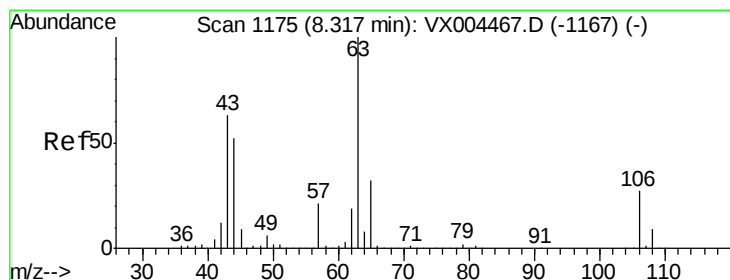
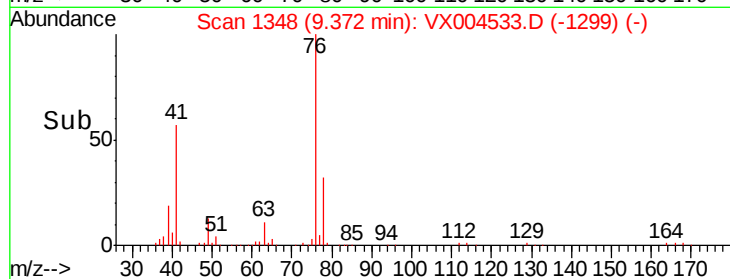
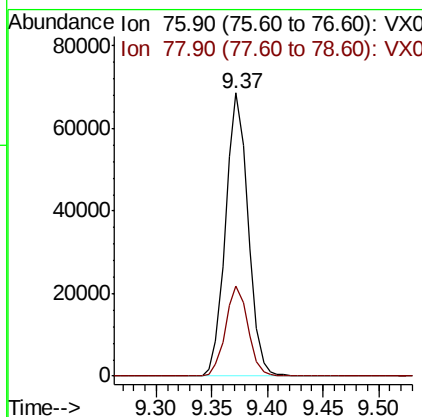
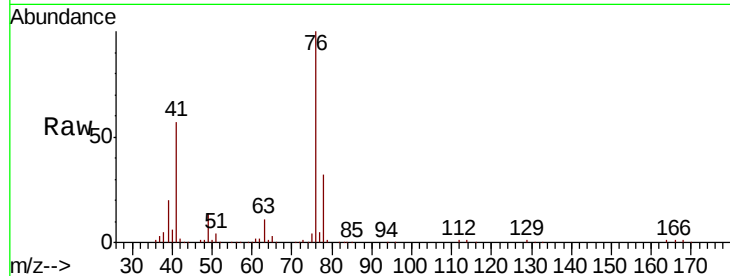
#57
 1,3-Dichloropropane
 Concen: 18.96 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX004533.D
 Acq: 14 Sep 2018 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

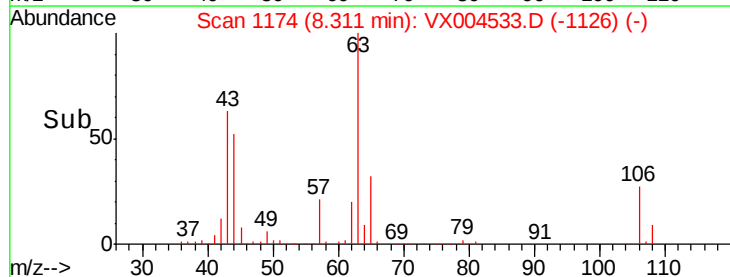
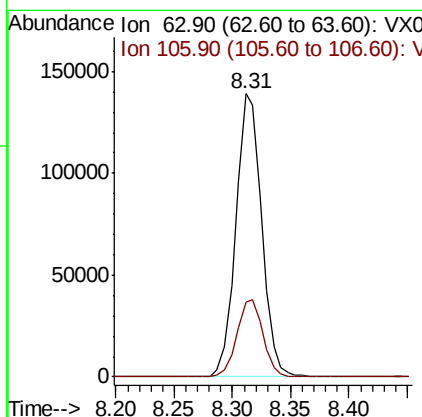
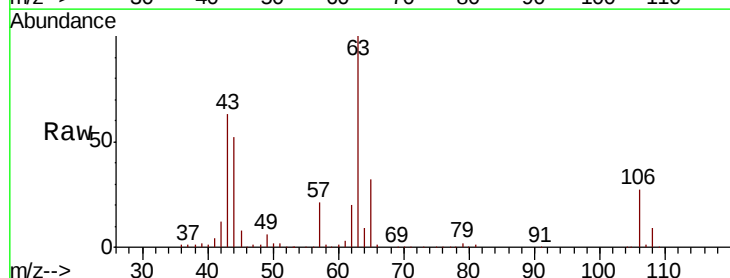
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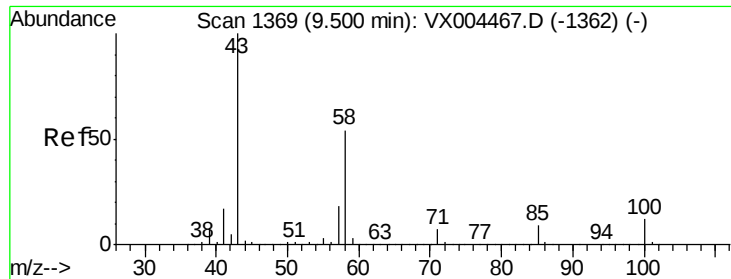
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#58
 2-Chloroethyl Vinyl ether
 Concen: 99.94 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX004533.D
 Acq: 14 Sep 2018 12:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.6	23.9	35.9





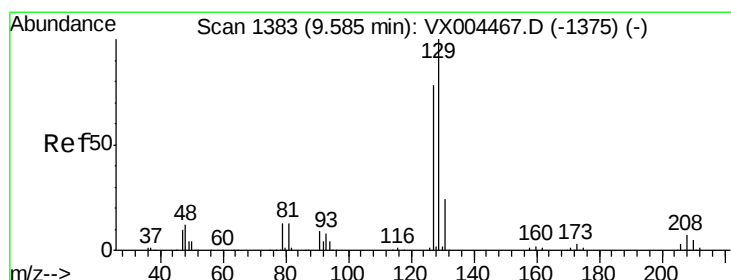
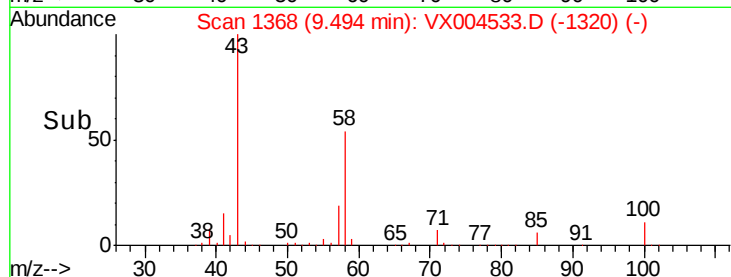
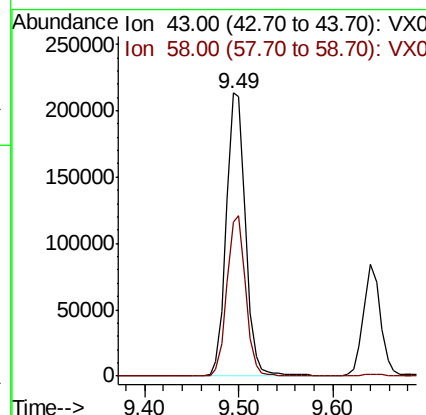
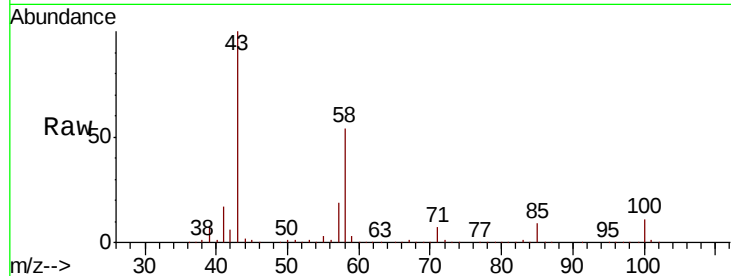
#59
2-Hexanone
Concen: 88.66 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.7	29.0	87.0

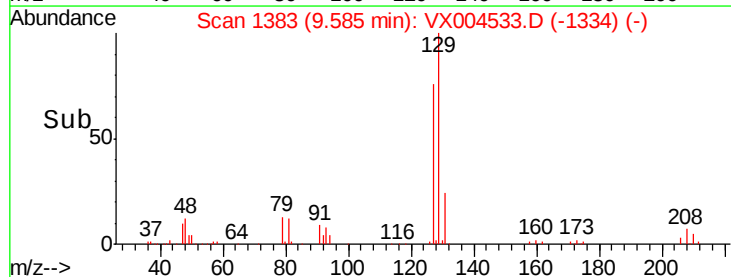
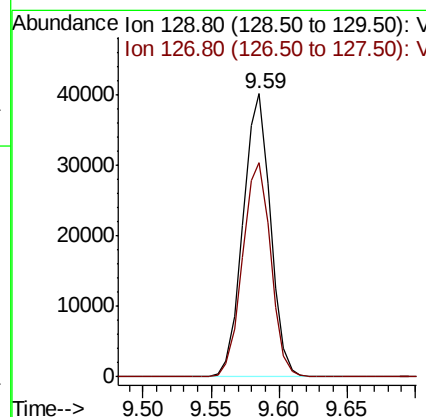
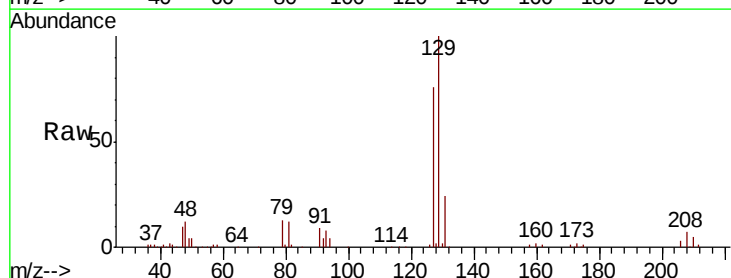
Manual Integrations
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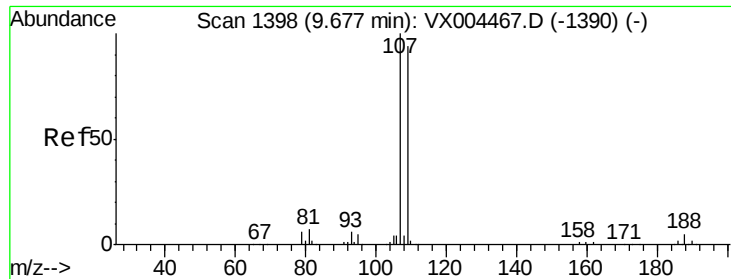
MMDadoda
9/17/2018 5:09:21 PM



#60
Dibromochloromethane
Concen: 19.13 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.5	115.5





#61

1,2-Dibromoethane

Concen: 20.11 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBS01

Tot Ion:107 Resp: 60095

Ion Ratio Lower Upper

107 100

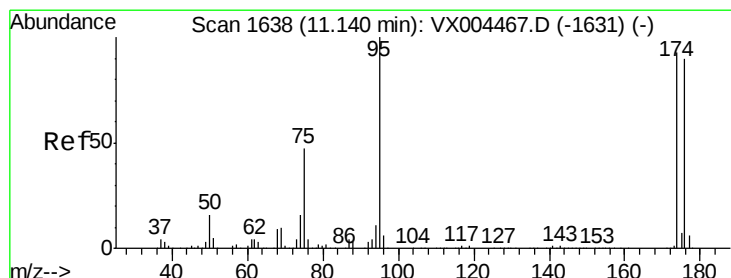
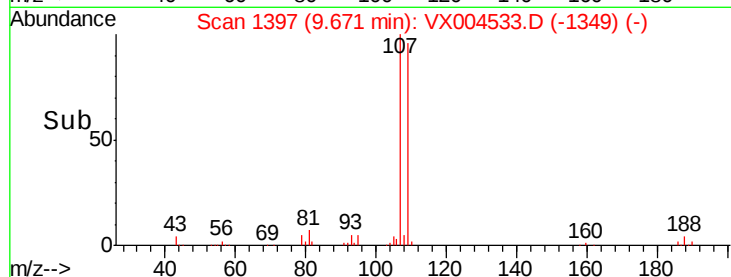
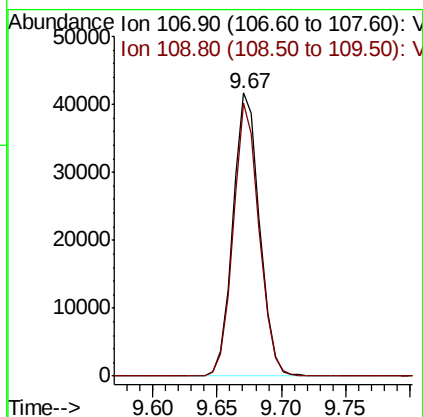
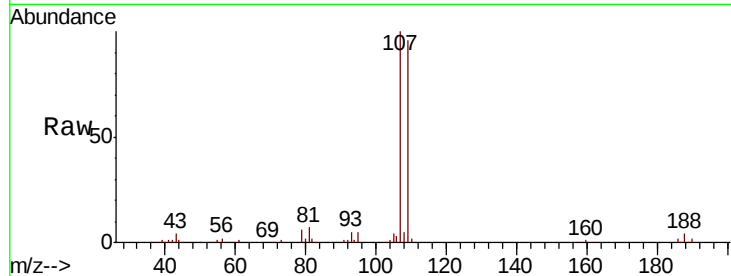
109 93.7 76.0 114.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 50.30 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

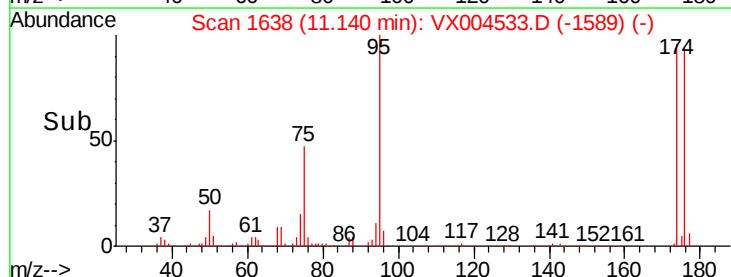
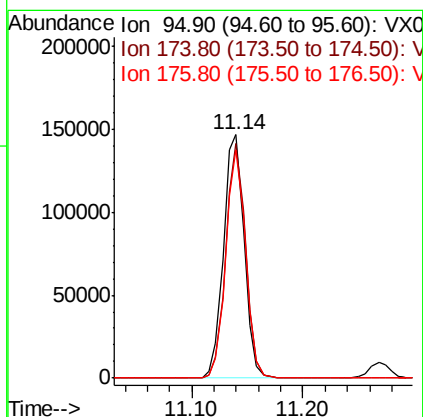
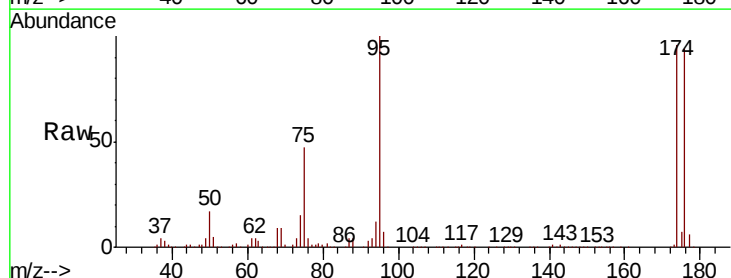
Tgt Ion: 95 Resp: 188592

Ion Ratio Lower Upper

95 100

174 92.2 0.0 185.2

176 89.9 0.0 178.6





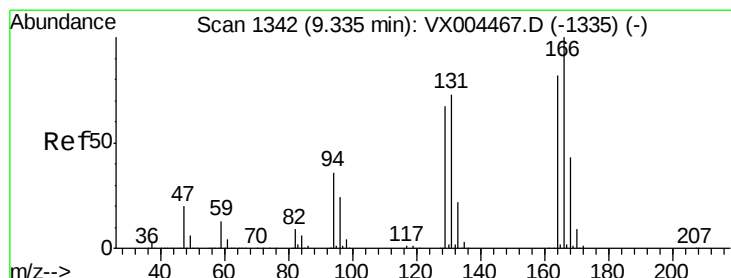
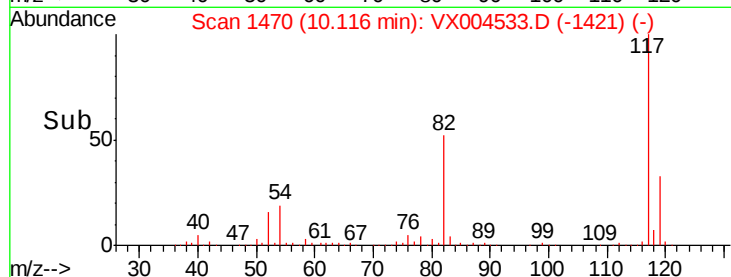
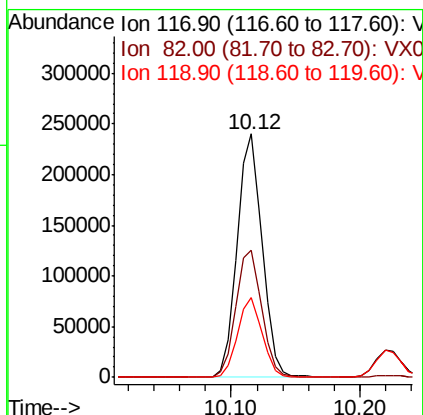
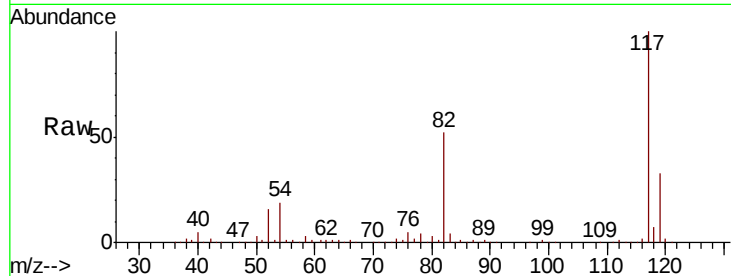
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	47.8	71.6
119	32.9	29.3	43.9

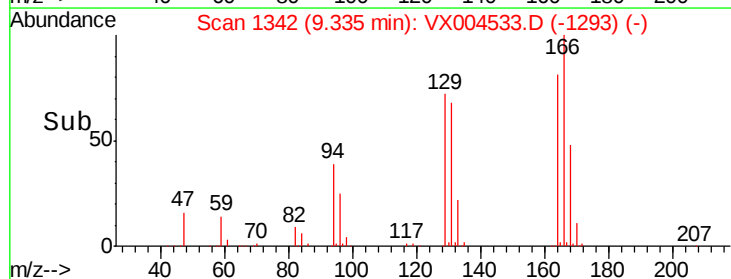
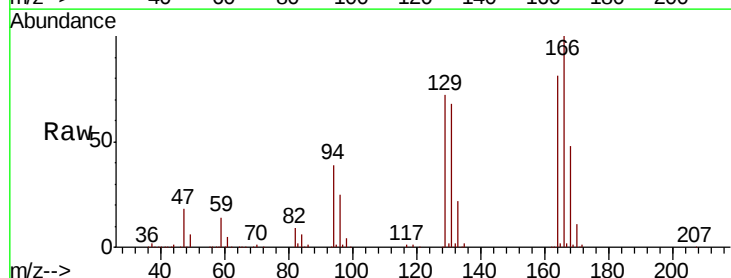
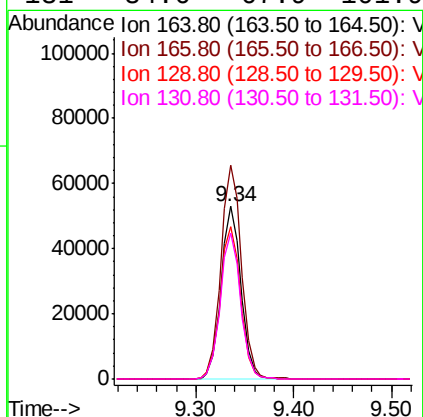
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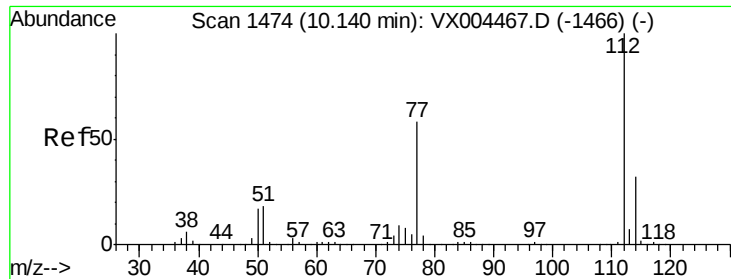
MMDadoda
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#64
Tetrachloroethene
Concen: 18.55 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.9	102.8	154.2
129	88.6	69.4	104.0
131	84.6	67.9	101.9





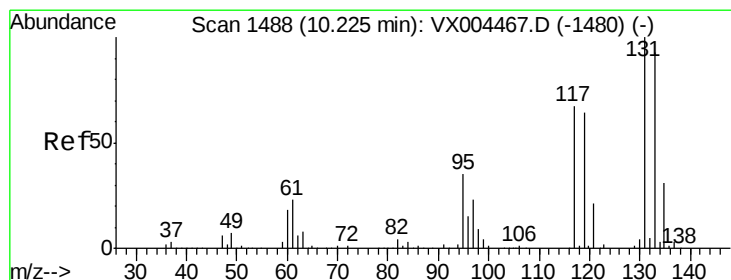
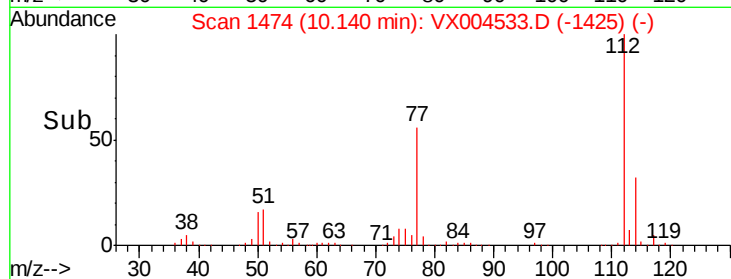
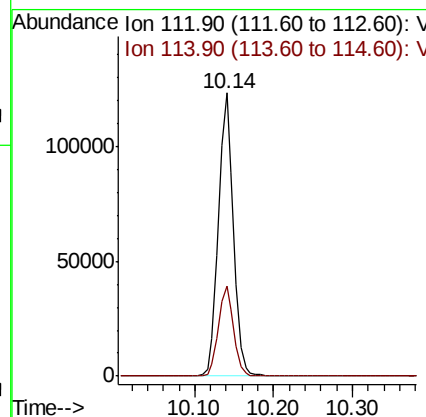
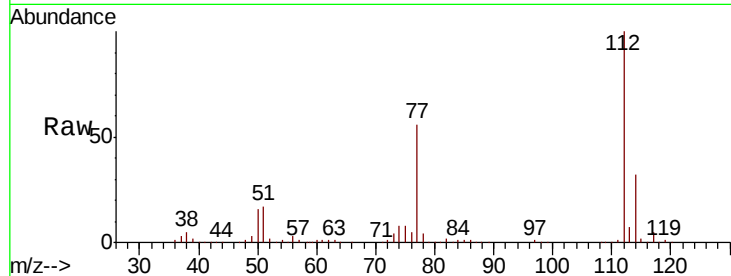
#65
Chlorobenzene
Concen: 20.29 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Instrument :
MSVOA_X
ClientSampled :
VX0914WBS01

Tot Ion:112 Resp: 163476
Ion Ratio Lower Upper
112 100
114 31.9 27.8 41.8

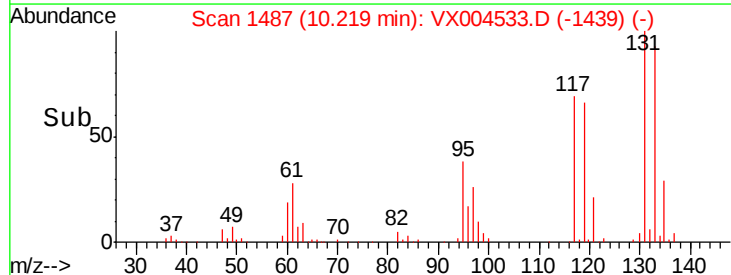
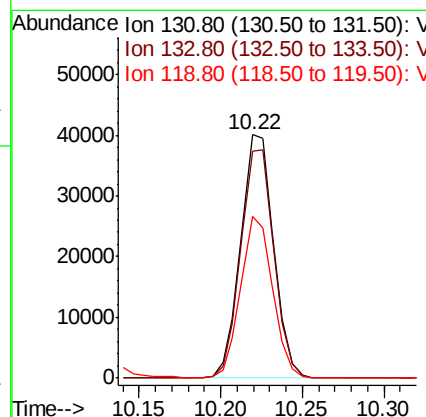
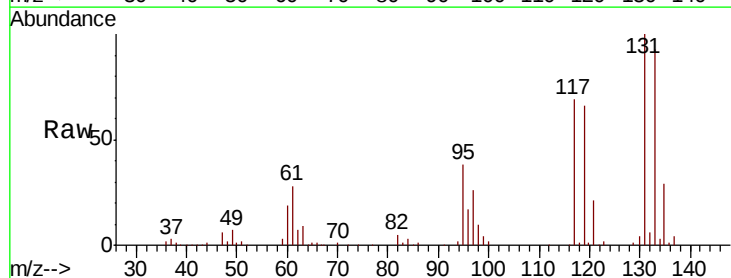
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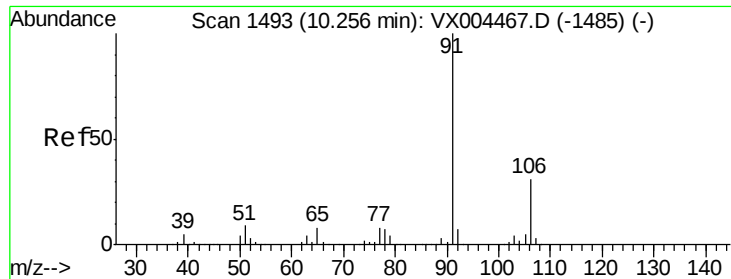
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.33 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Tgt Ion:131 Resp: 56469
Ion Ratio Lower Upper
131 100
133 94.8 48.1 144.4
119 65.0 32.9 98.6





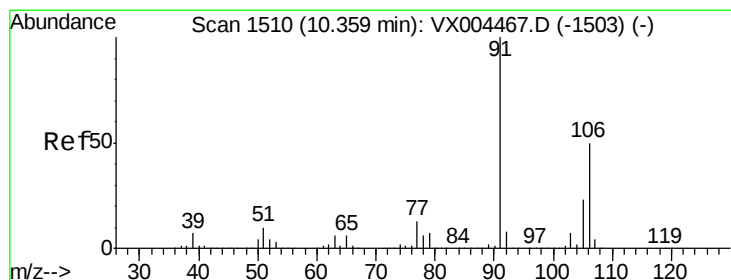
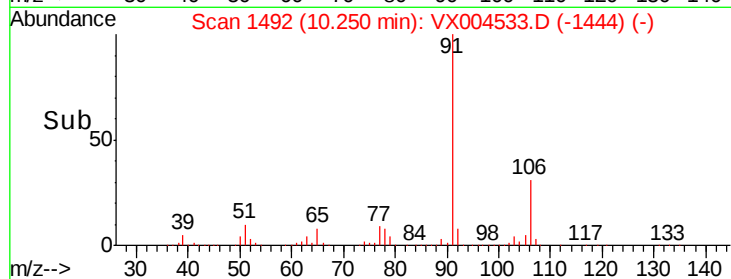
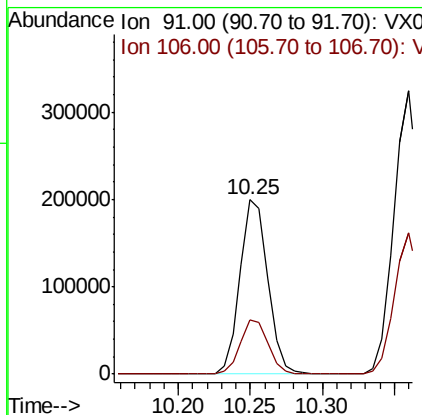
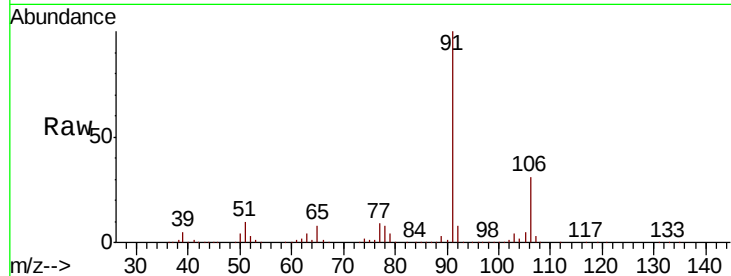
#67
Ethyl Benzene
Concen: 20.60 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Instrument :
MSVOA_X
ClientSampled :
VX0914WBS01

Tot Ion: 91 Resp: 269808
Ion Ratio Lower Upper
91 100
106 31.1 25.9 38.9

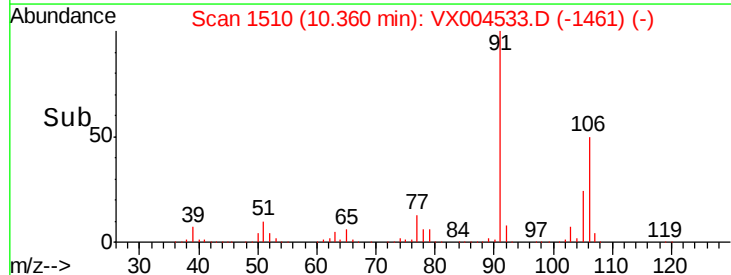
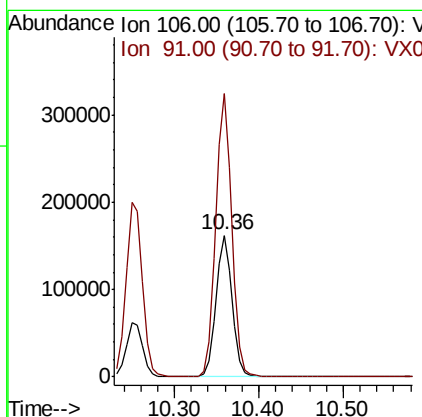
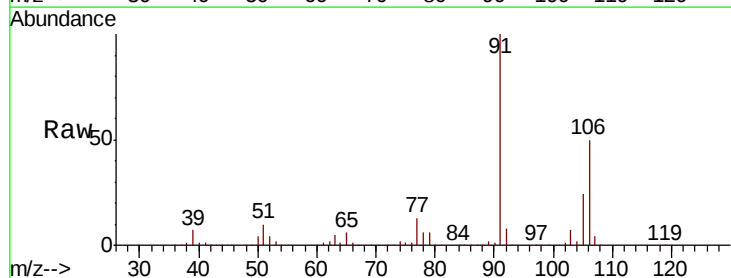
Manual Integrations
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#68
m/p-Xylenes
Concen: 42.43 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Tgt Ion: 106 Resp: 214088
Ion Ratio Lower Upper
106 100
91 200.1 157.1 235.7





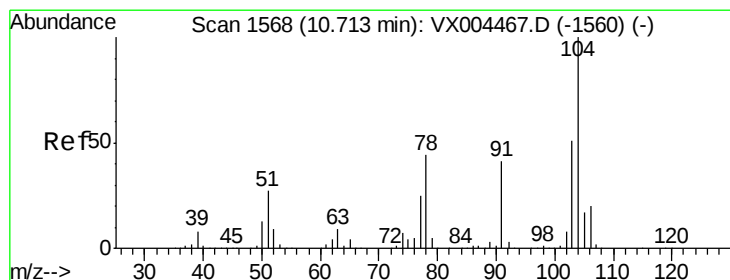
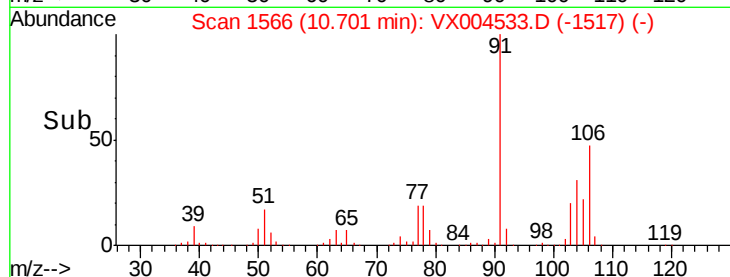
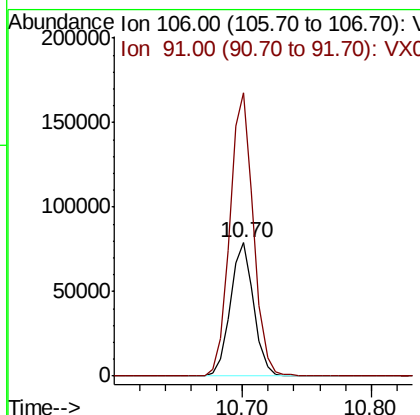
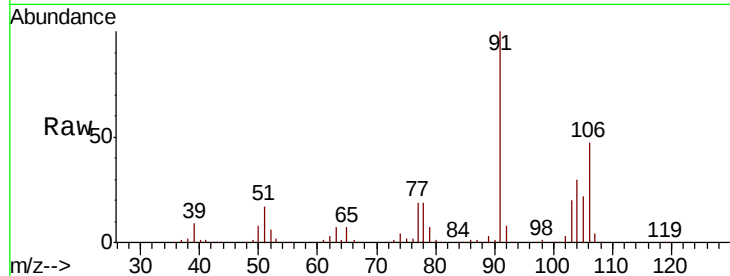
#69
o-Xylene
Concen: 20.64 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	100151		
91	214.1	105.1	315.1	

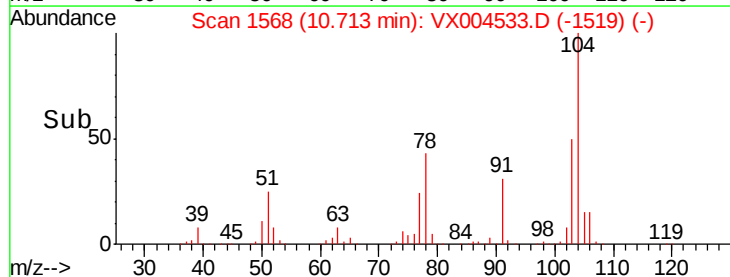
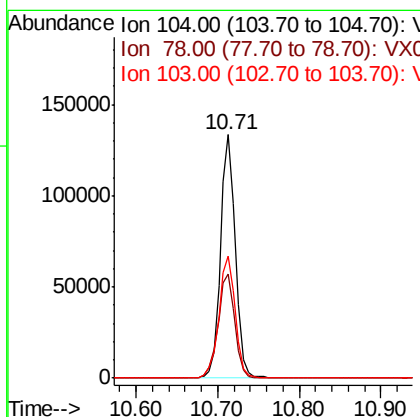
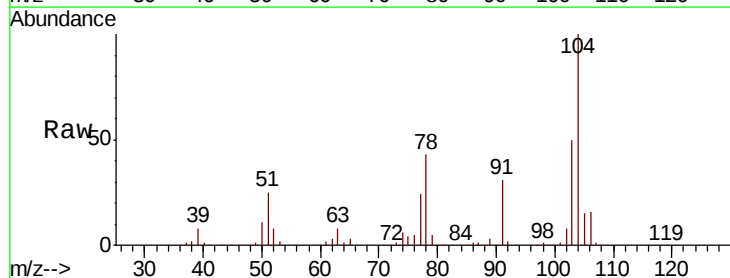
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#70
Styrene
Concen: 21.20 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	170351		
78	48.6	37.4	56.0	
103	55.3	43.8	65.6	





#71

Bromoform

Concen: 19.02 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

Instrument :

MSVOA_X

ClientSampled :

VX0914WBS01

Tot Ion:173 Resp: 43392

Ion Ratio Lower Upper

173 100

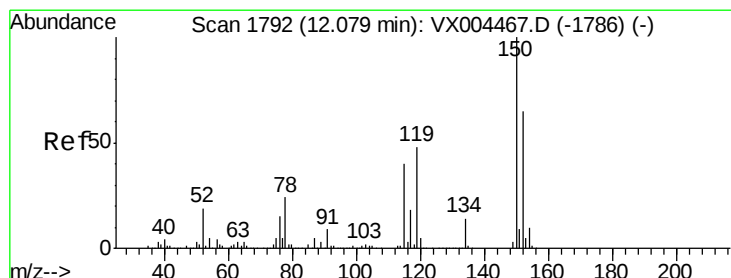
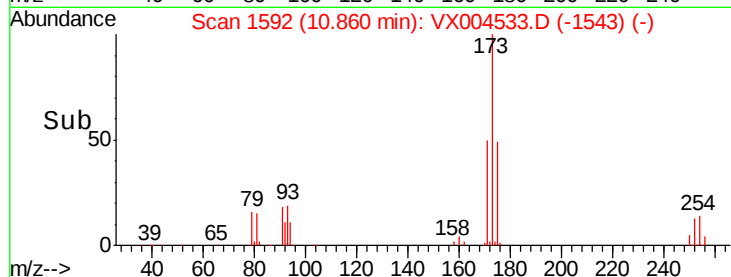
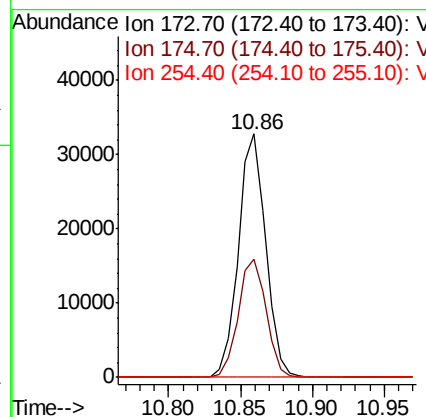
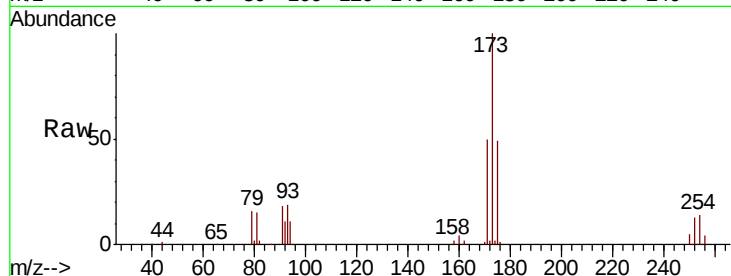
175 49.7 24.1 72.3

254 0.1 0.2 0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

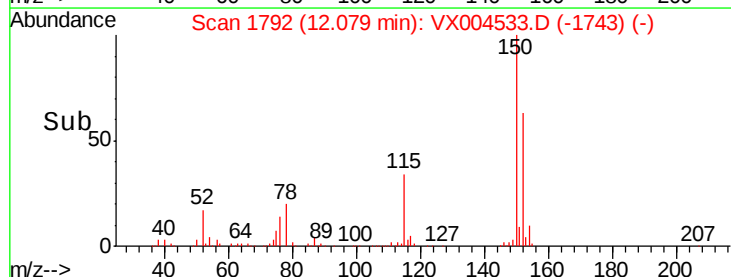
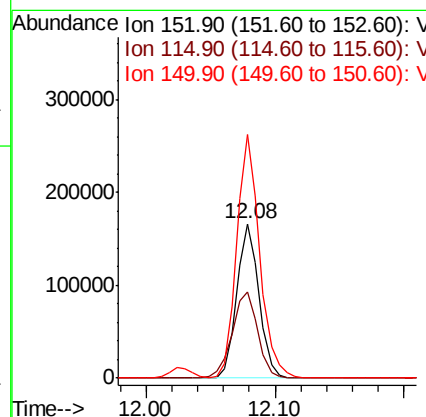
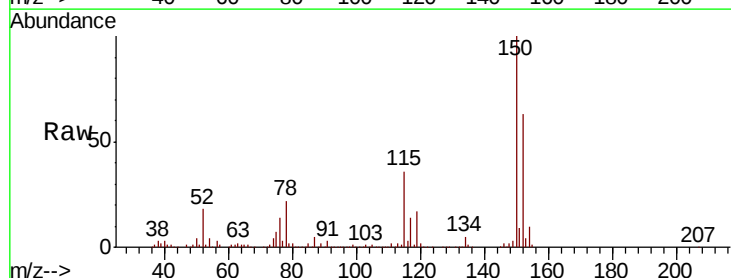
Tgt Ion:152 Resp: 199372

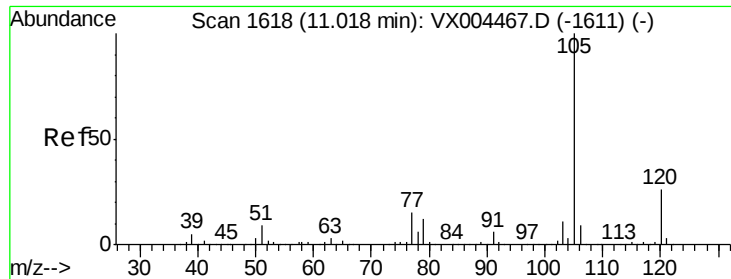
Ion Ratio Lower Upper

152 100

115 64.5 39.0 117.0

150 164.3 0.0 351.0





#73

Isopropylbenzene

Concen: 21.07 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

Instrument :

MSVOA_X

ClientSampleID :

VX0914WBS01

Tot Ion: 105 Resp: 276656

Ion Ratio Lower Upper

105 100

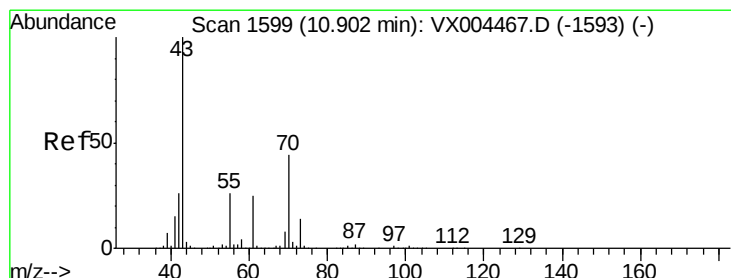
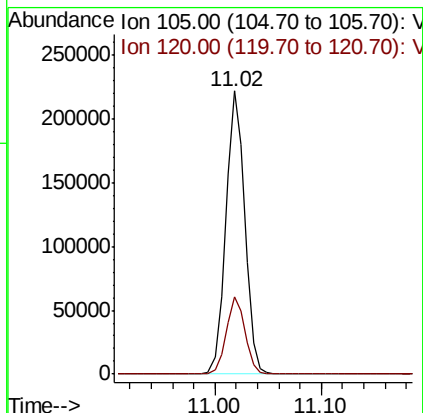
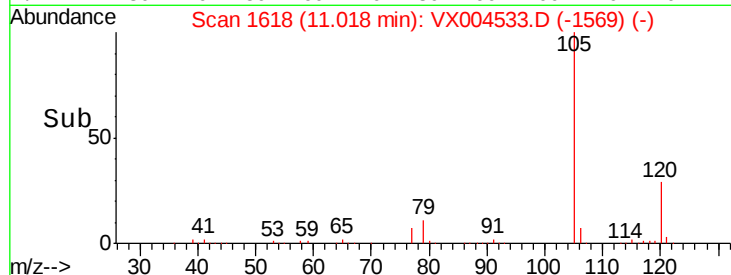
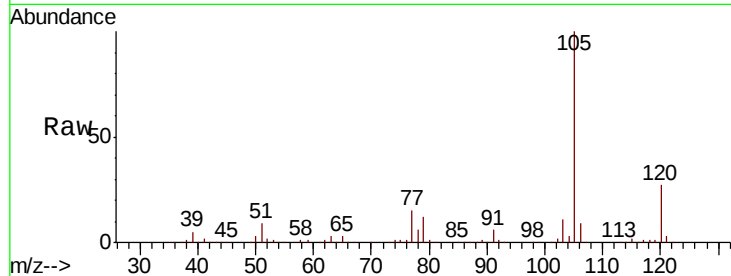
120 27.1 13.5 40.4

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#74

N-ethyl acetate

Concen: 19.03 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

Tgt Ion: 43 Resp: 105194

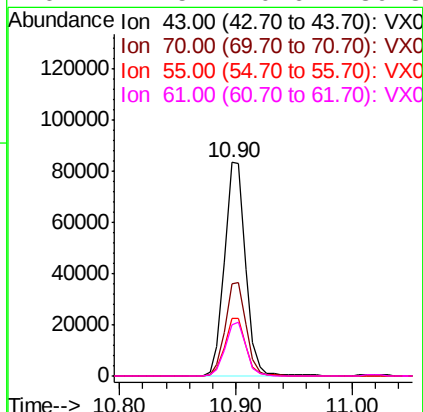
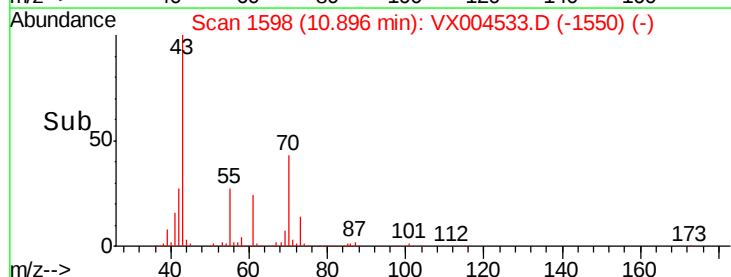
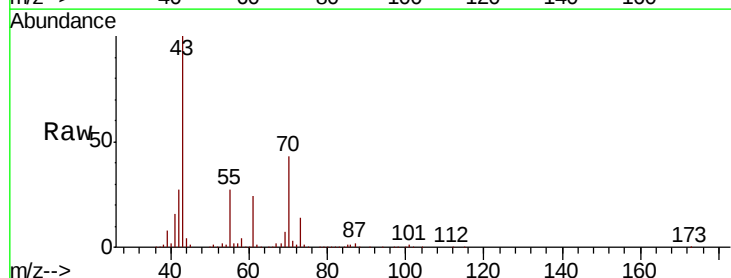
Ion Ratio Lower Upper

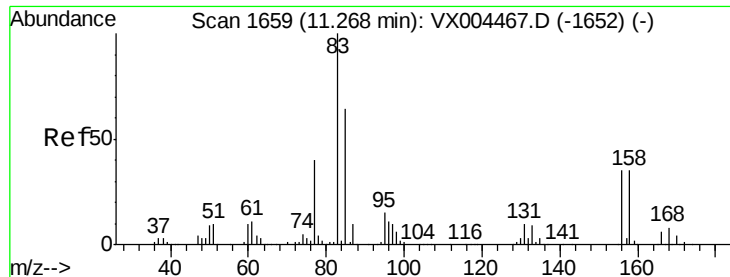
43 100

70 43.5 37.4 56.0

55 27.2 21.8 32.8

61 24.5 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.21 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBS01

Tot Ion: 83 Resp: 81359

Ion Ratio Lower Upper

83 100

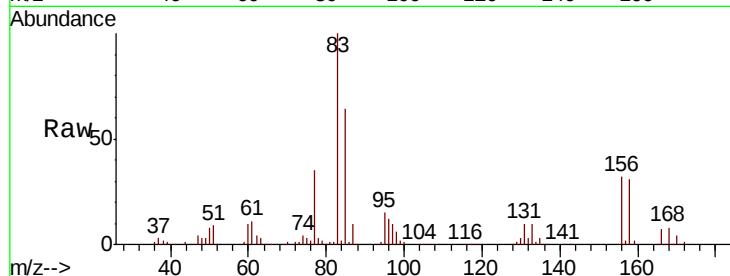
131 10.3 5.2 15.6

85 63.8 32.3 96.8

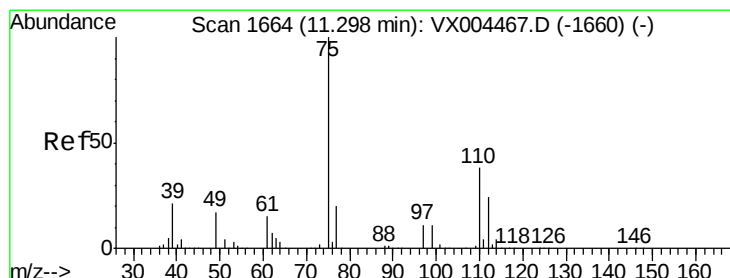
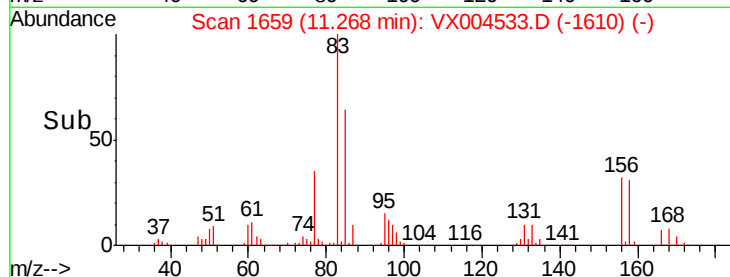
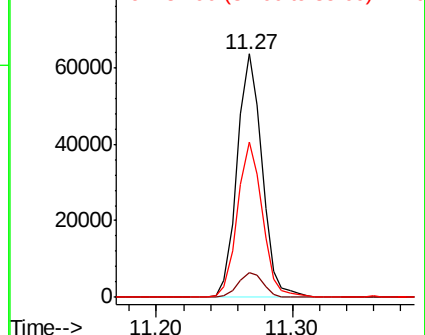
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.85 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX004533.D

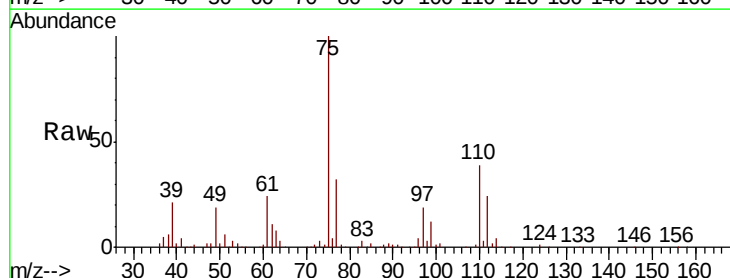
Acq: 14 Sep 2018 12:14

Tgt Ion: 75 Resp: 79615

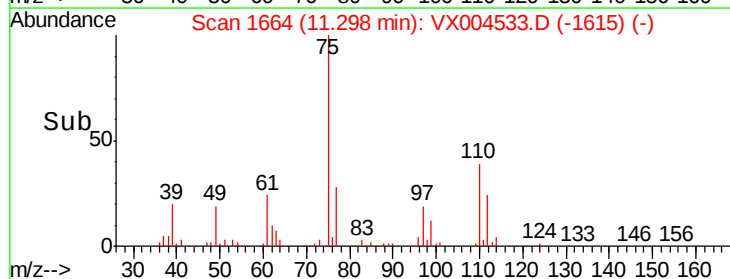
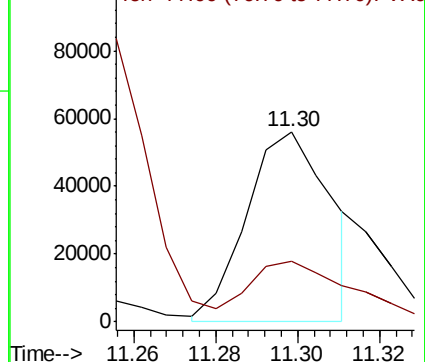
Ion Ratio Lower Upper

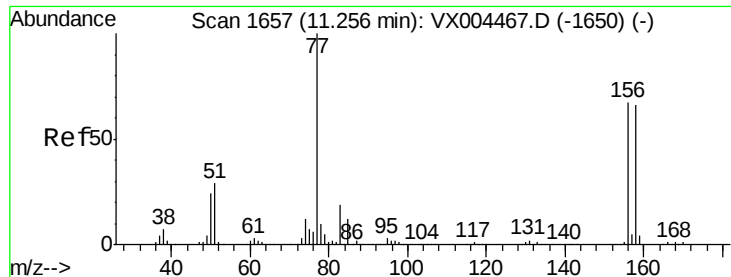
75 100

77 38.8 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.23 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

Instrument :

MSVOA_X

ClientSampled :

VX0914WBS01

Tot Ion:156 Resp: 73433

Ion Ratio Lower Upper

156 100

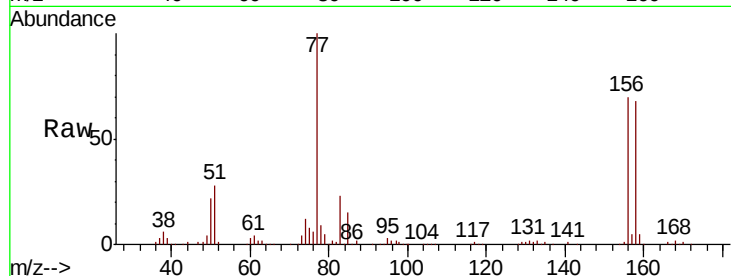
77 146.9 71.5 214.3

158 97.2 48.9 146.8

Manual Integrations
APPROVED

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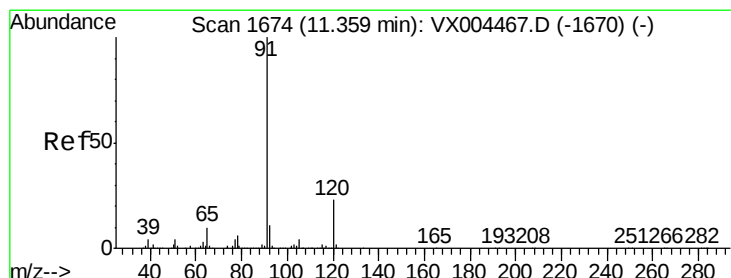
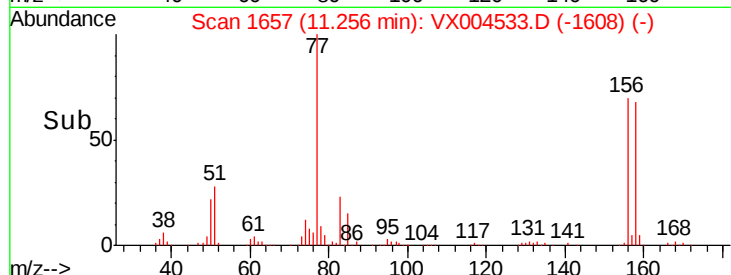
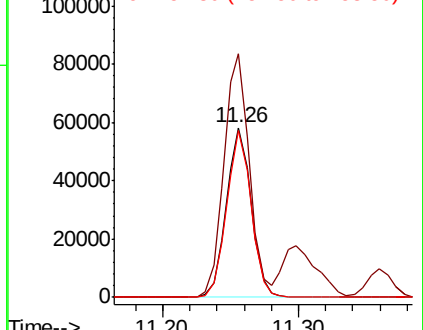
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.45 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004533.D

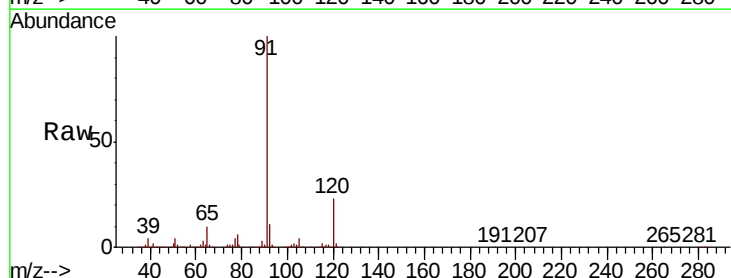
Acq: 14 Sep 2018 12:14

Tgt Ion: 91 Resp: 323912

Ion Ratio Lower Upper

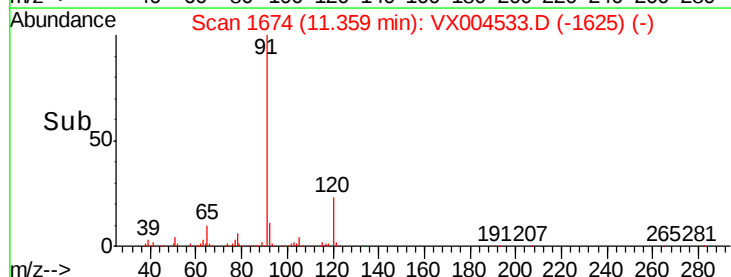
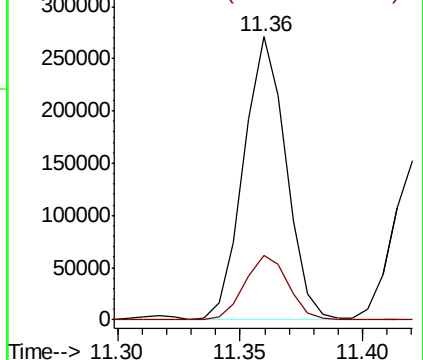
91 100

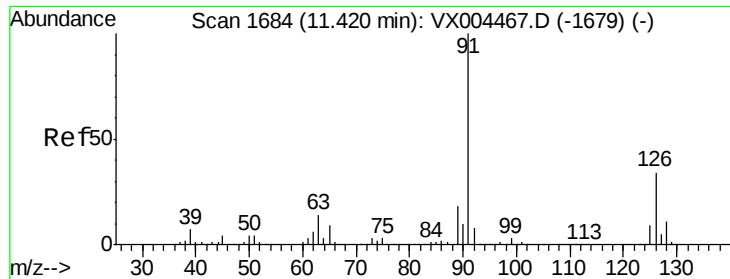
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.52 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBS01

Tot Ion: 91 Resp: 187848

Ion Ratio Lower Upper

91 100

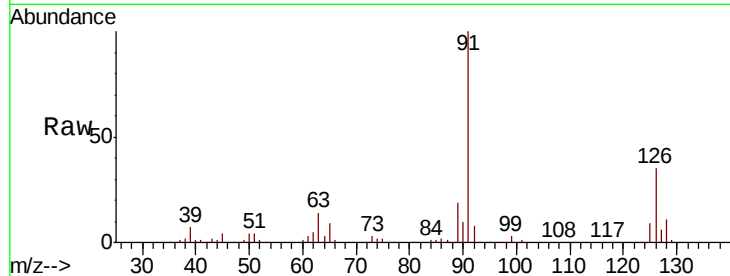
126 35.6 17.9 53.7

Manual Integrations

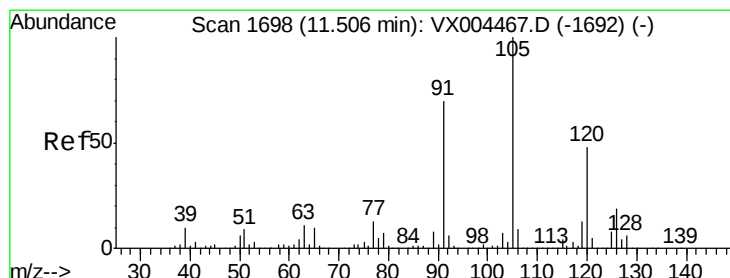
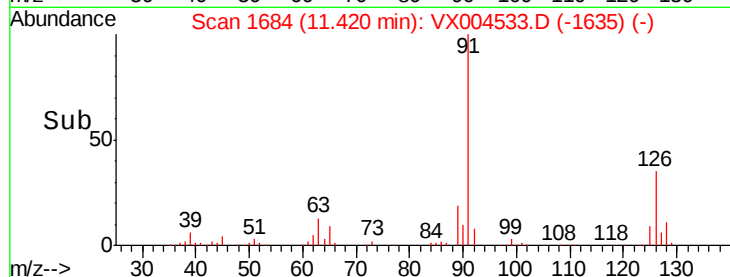
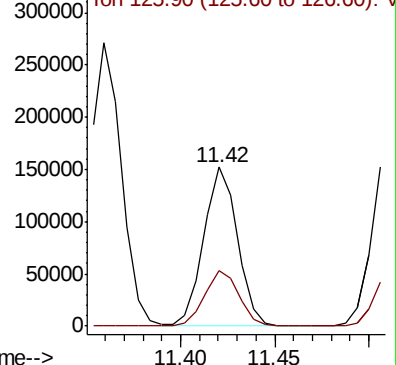
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Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.33 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004533.D

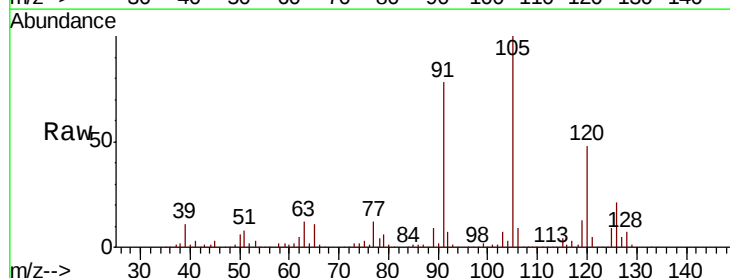
Acq: 14 Sep 2018 12:14

Tgt Ion:105 Resp: 235482

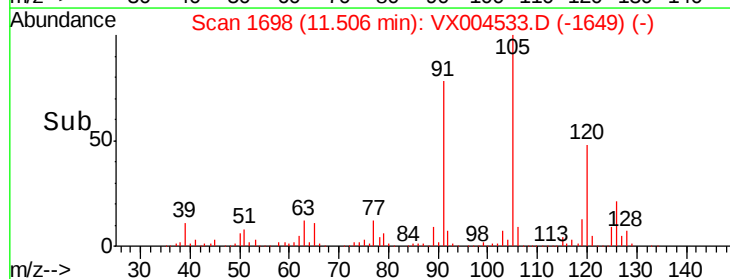
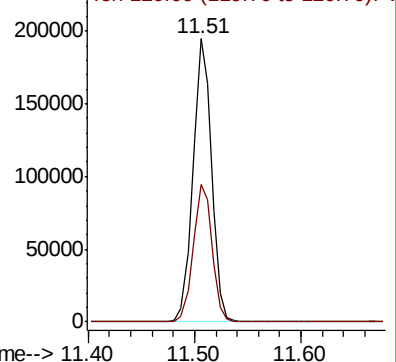
Ion Ratio Lower Upper

105 100

120 49.4 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004467.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.08 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBS01

Tot Ion: 75 Resp: 24014

Ion Ratio Lower Upper

75 100

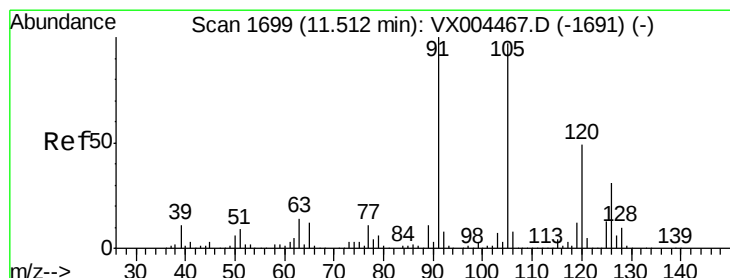
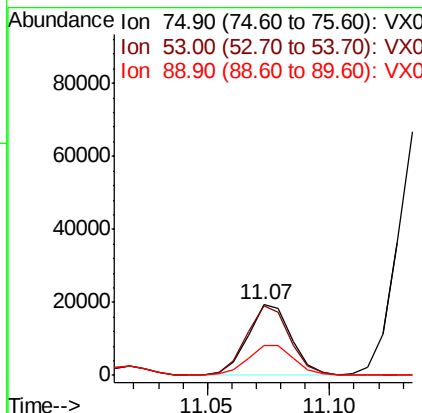
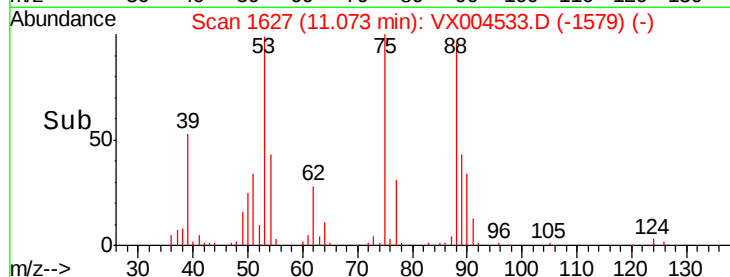
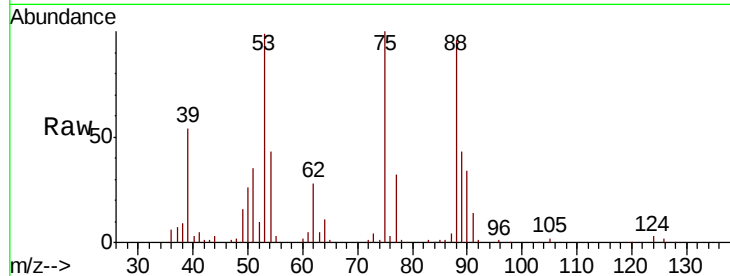
53 98.1 80.1 120.1

89 45.3 37.2 55.8

Manual Integrations
APPROVED

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#82

4-Chlorotoluene

Concen: 21.03 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004533.D

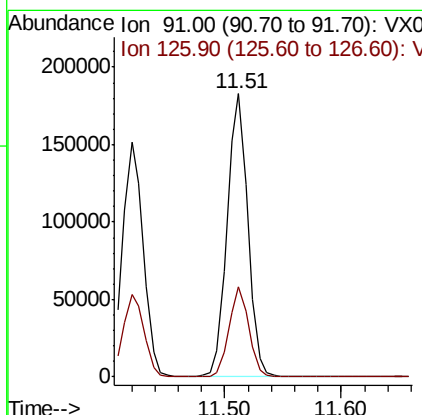
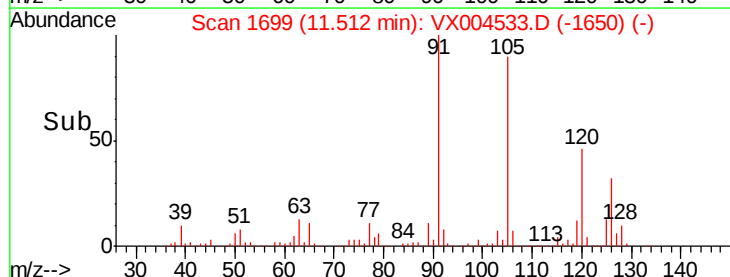
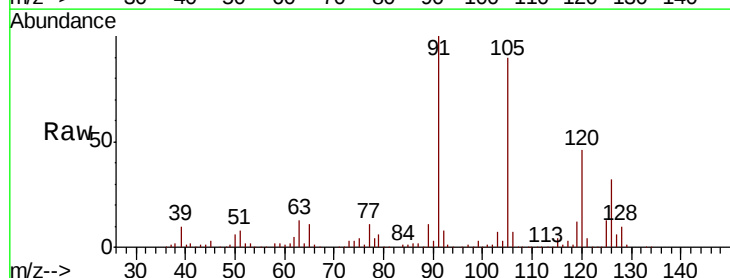
Acq: 14 Sep 2018 12:14

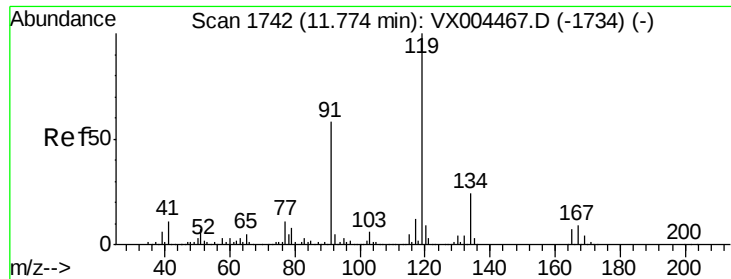
Tgt Ion: 91 Resp: 224748

Ion Ratio Lower Upper

91 100

126 30.7 15.5 46.5





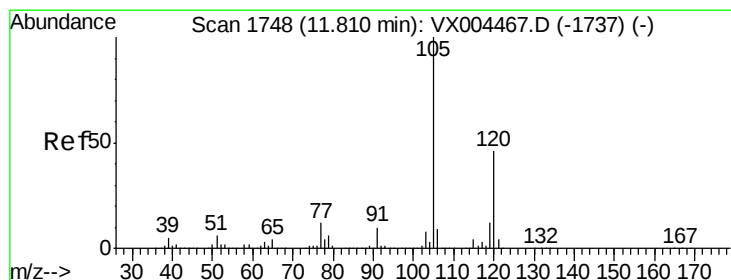
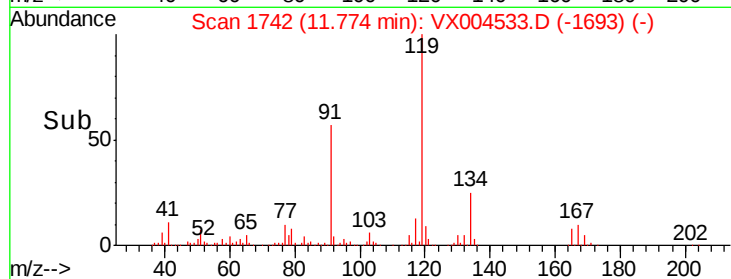
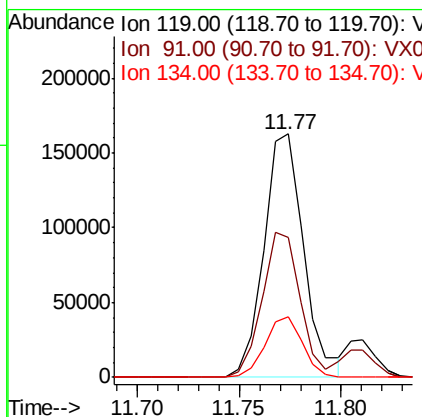
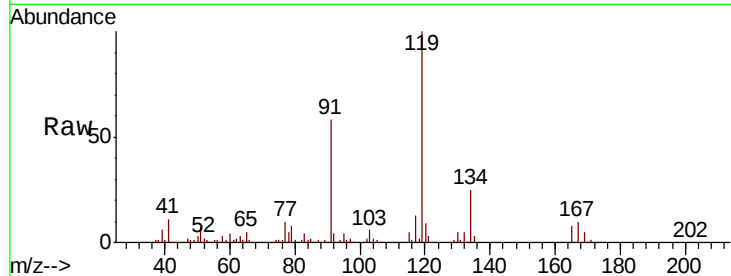
#83
 tert-Butylbenzene
 Concen: 21.07 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX004533.D
 Acq: 14 Sep 2018 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	221433		
91	56.9	27.0	81.0	
134	23.4	11.7	35.1	

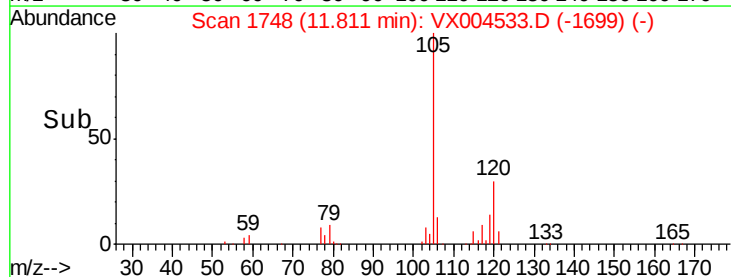
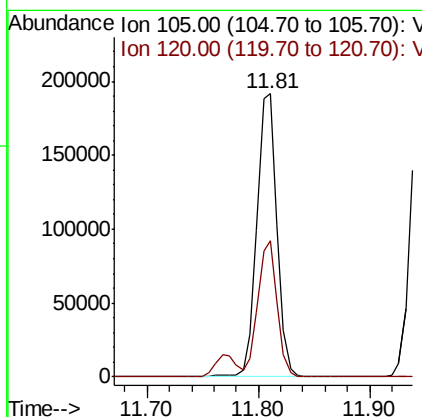
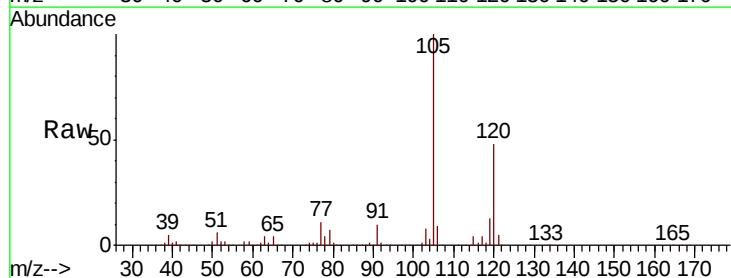
Manual Integrations
 APPROVED

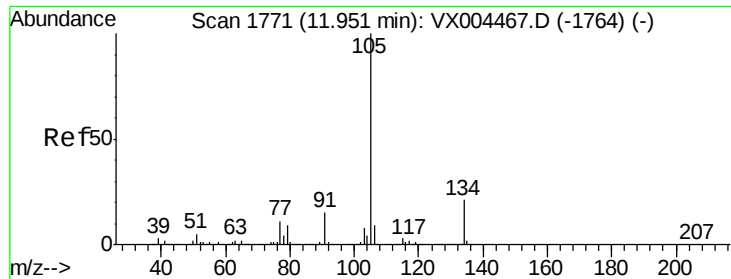
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.43 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004533.D
 Acq: 14 Sep 2018 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	241511		
120	46.1	23.2	69.6	





#85

sec-Butylbenzene

Concen: 21.30 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VX0914WBS01

Tot Ion:105 Resp: 285290

Ion Ratio Lower Upper

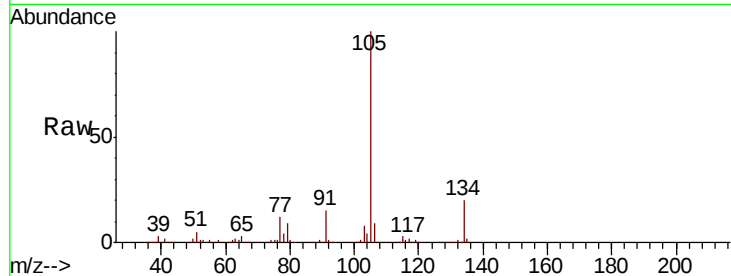
105 100

134 20.5 10.5 31.5

Manual Integrations
APPROVED

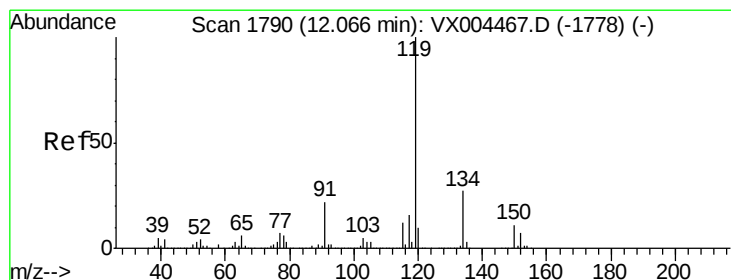
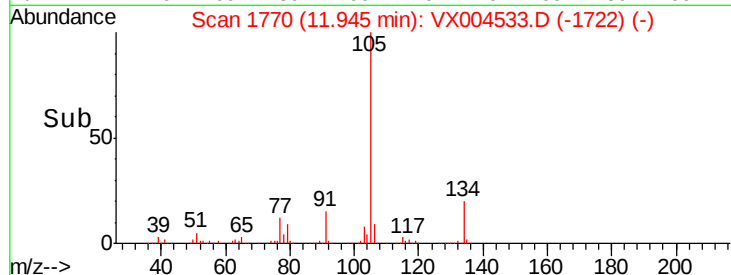
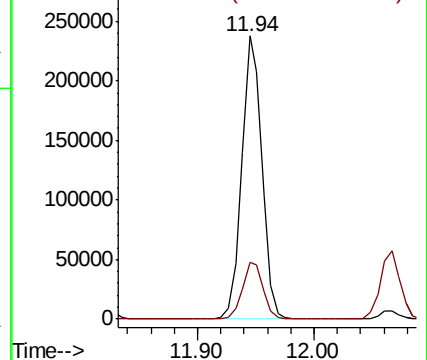
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.67 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

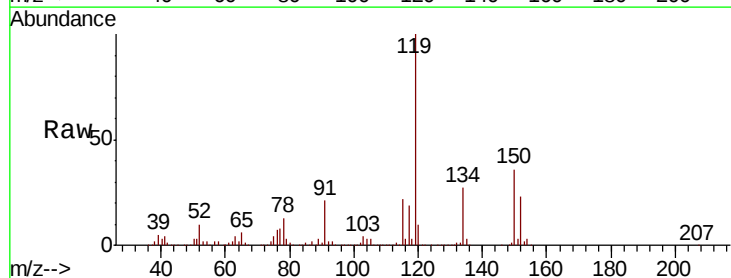
Tgt Ion:119 Resp: 256233

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

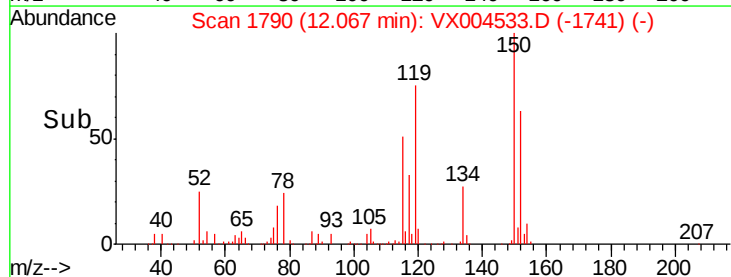
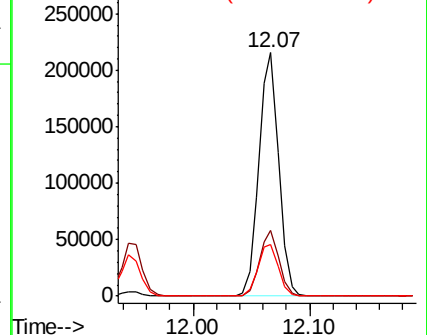
91 22.1 10.9 32.7

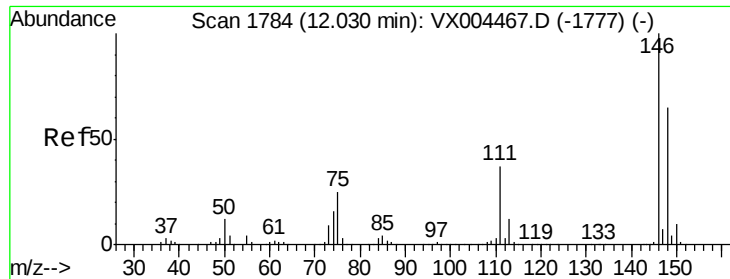


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





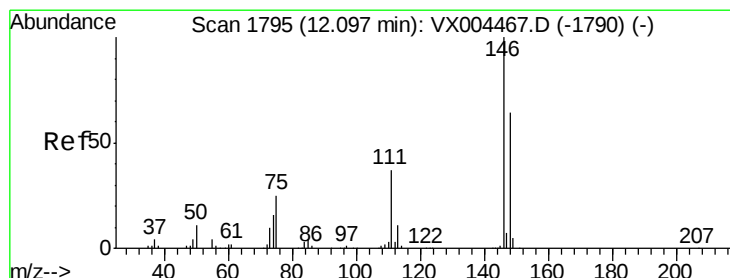
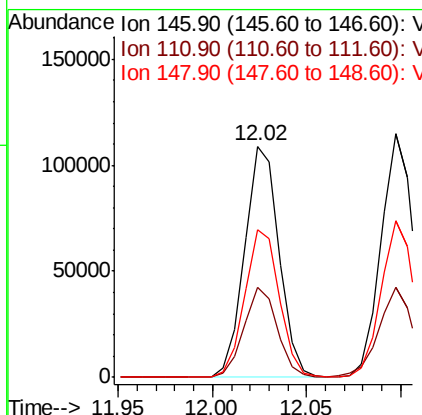
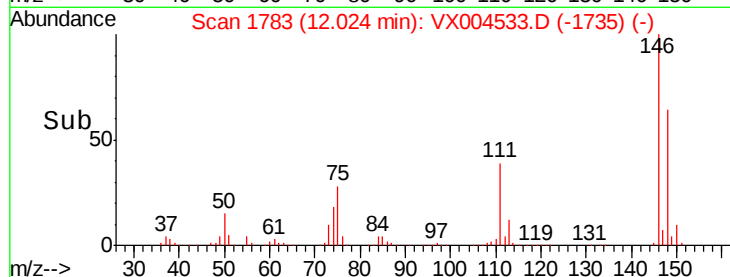
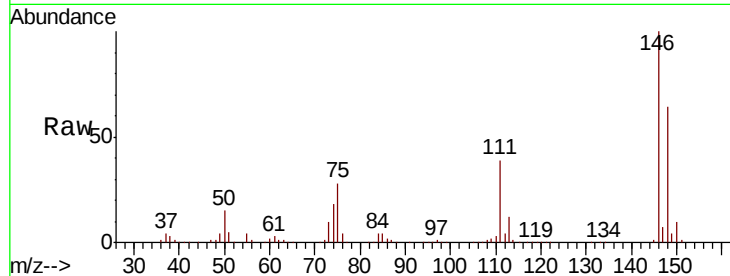
#87
 1,3-Dichlorobenzene
 Concen: 20.45 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004533.D
 Acq: 14 Sep 2018 12:14

Instrument :
 MSVOA_X
 ClientSampled :
 VX0914WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.7	56.1
148	64.0	32.1	96.5

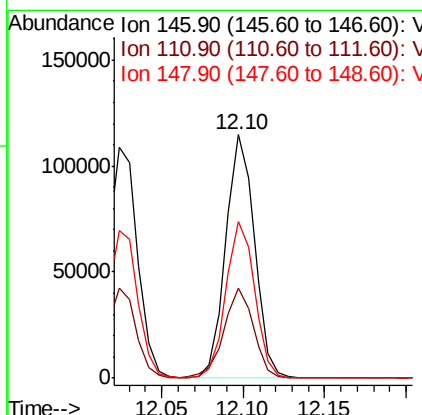
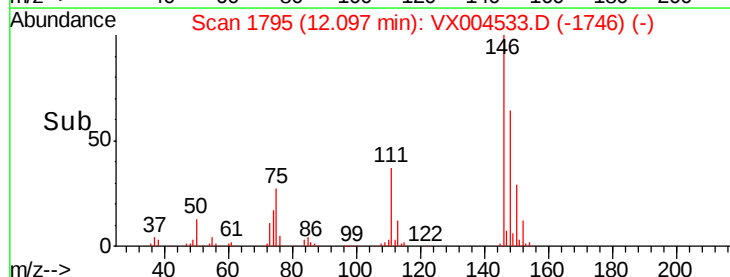
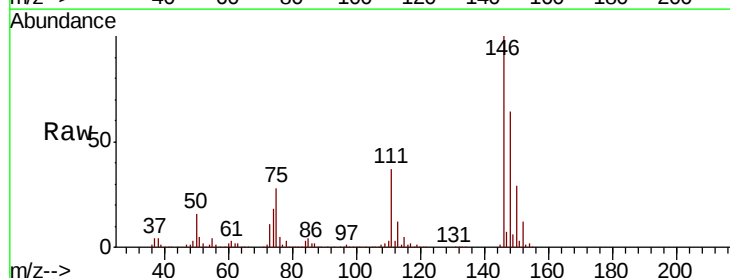
Manual Integrations
 APPROVED

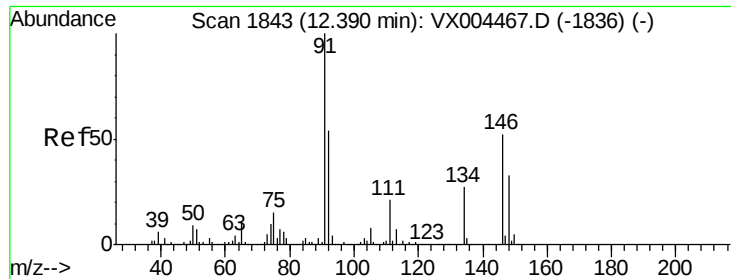
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 20.13 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004533.D
 Acq: 14 Sep 2018 12:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.1	54.1
148	64.6	32.0	96.0





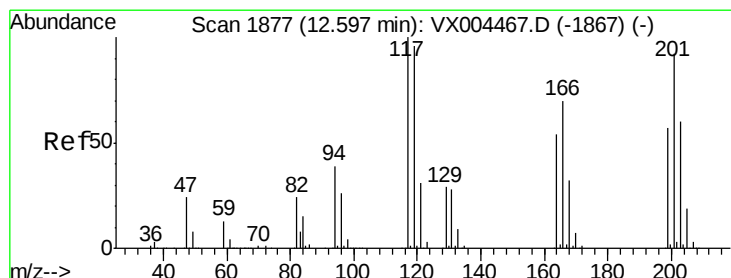
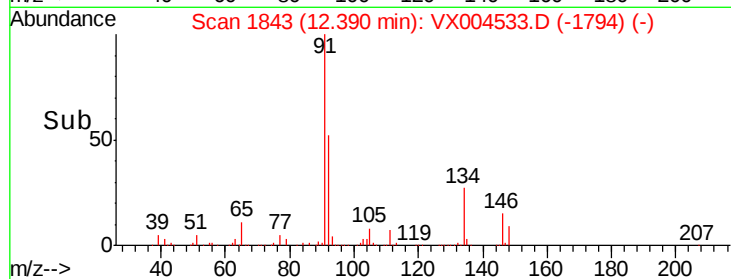
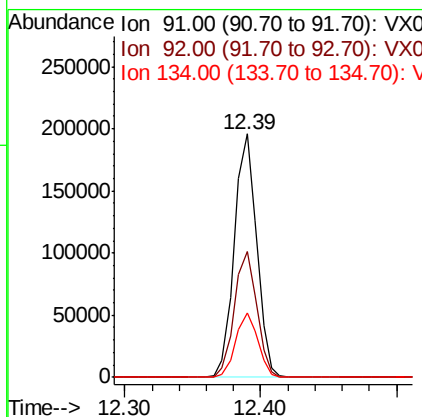
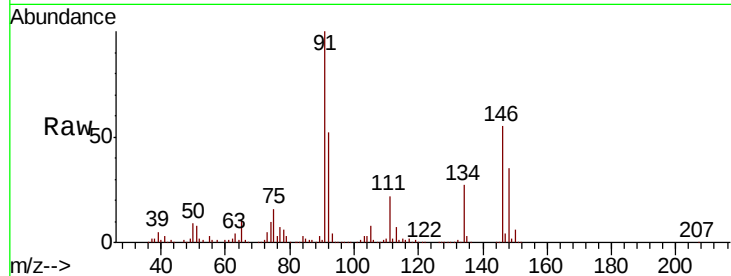
#89
n-Butylbenzene
Concen: 20.86 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VX0914WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	27.3	81.9
134	26.2	13.6	40.7

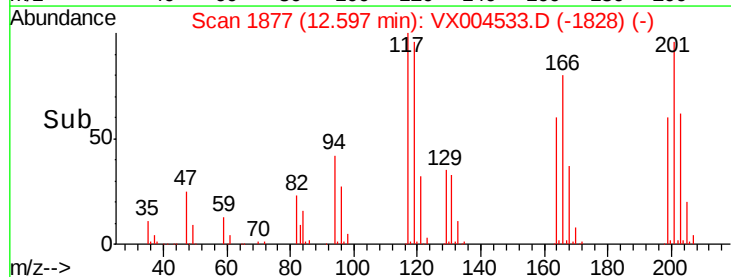
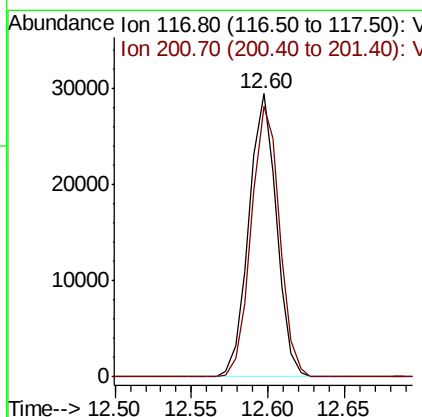
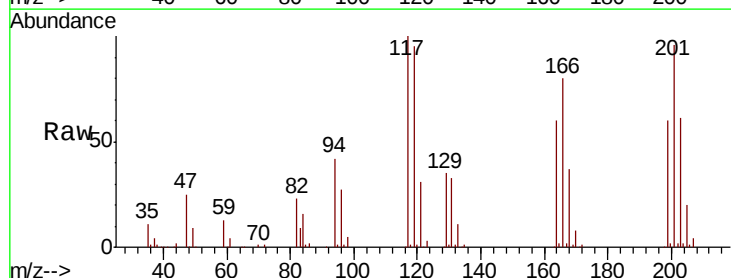
Manual Integrations
APPROVED

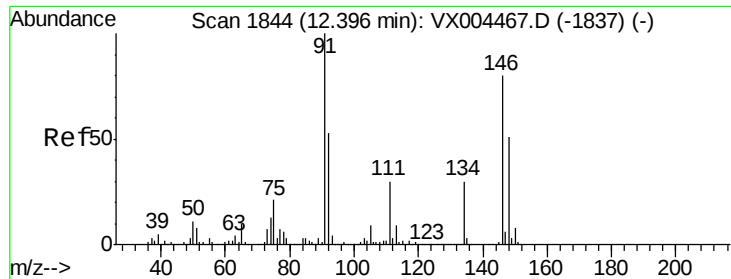
MMDadoda
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#90
Hexachloroethane
Concen: 19.57 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004533.D
Acq: 14 Sep 2018 12:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.0	46.9	140.6





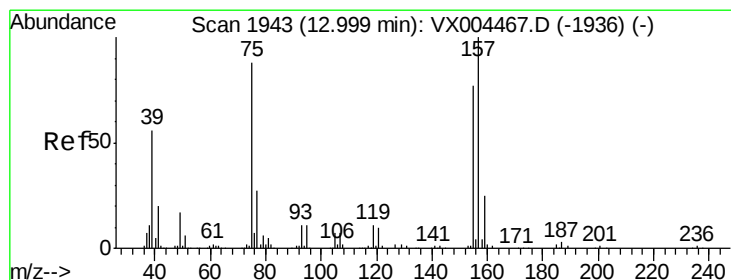
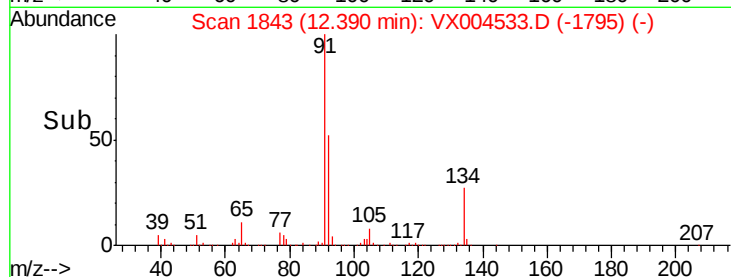
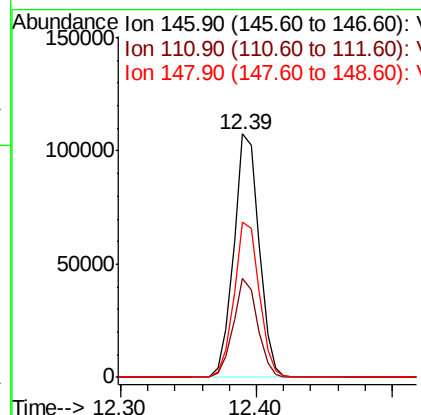
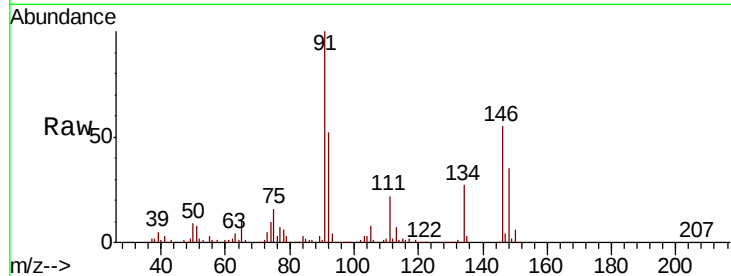
#91
 1,2-Dichlorobenzene
 Concen: 20.19 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX004533.D
 Acq: 14 Sep 2018 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.4	58.1
148	63.5	32.8	98.3

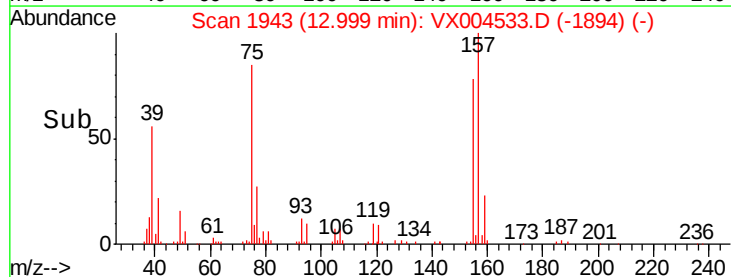
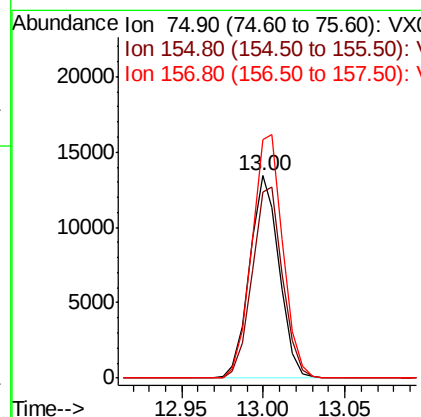
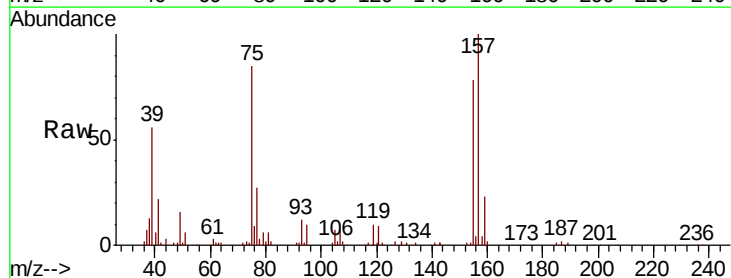
Manual Integrations
 APPROVED

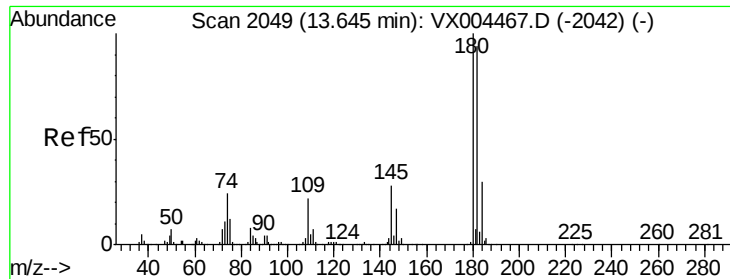
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.81 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004533.D
 Acq: 14 Sep 2018 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.7	48.0	144.2
157	125.5	61.4	184.1





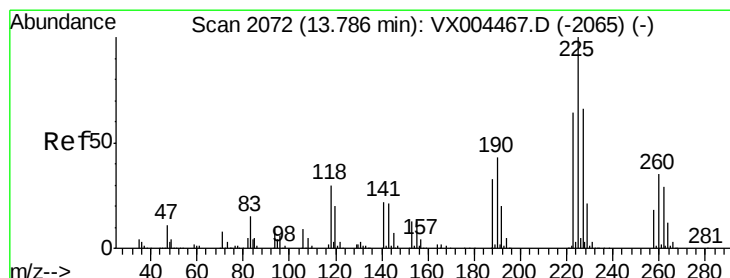
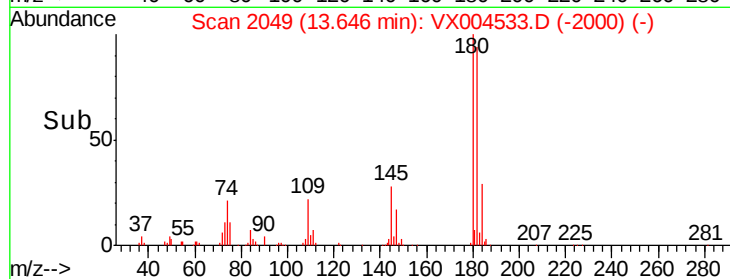
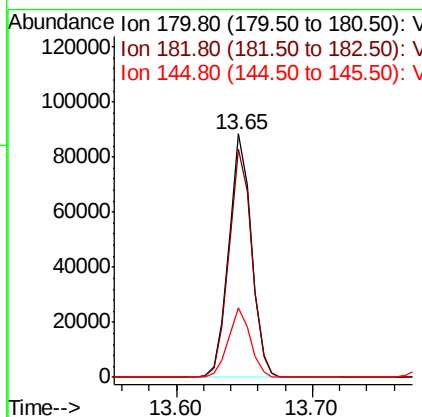
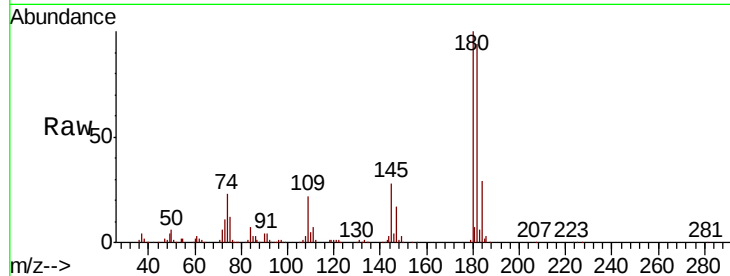
#93
 1,2,4-Trichlorobenzene
 Concen: 20.99 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004533.D
 Acq: 14 Sep 2018 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0914WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	101864		
182	95.0	48.4	145.0	
145	27.9	14.3	42.9	

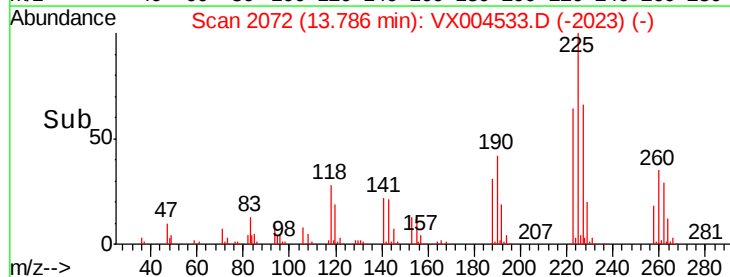
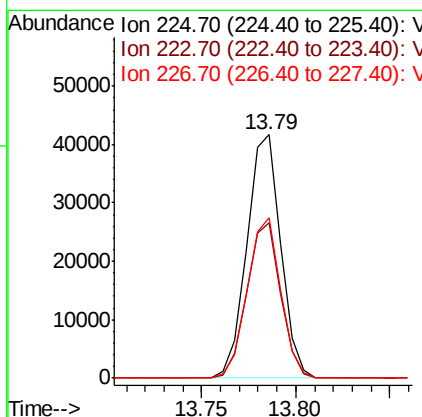
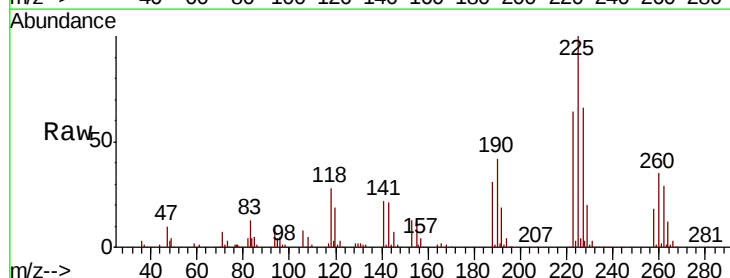
Manual Integrations
 APPROVED

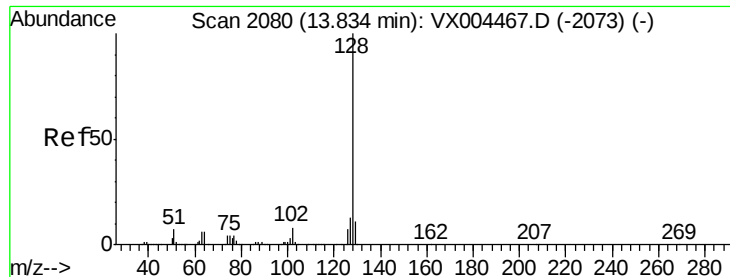
MMDadoda
 9/17/2018 5:09:21 PM



#94
 Hexachlorobutadiene
 Concen: 20.48 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004533.D
 Acq: 14 Sep 2018 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51921		
223	63.5	30.1	90.5	
227	64.8	30.8	92.4	





#95

Naphthalene

Concen: 20.45 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

Instrument :

MSVOA_X

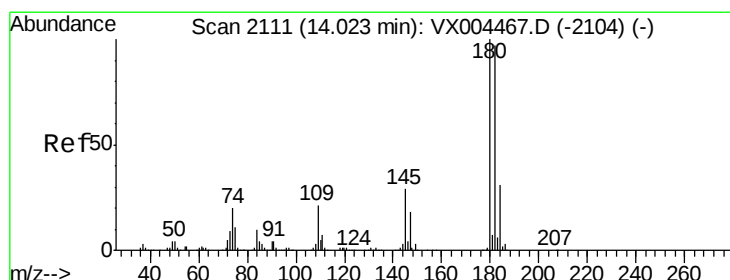
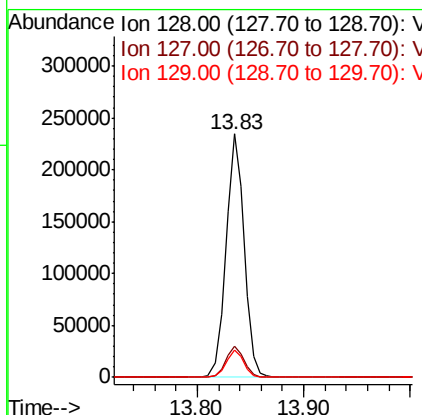
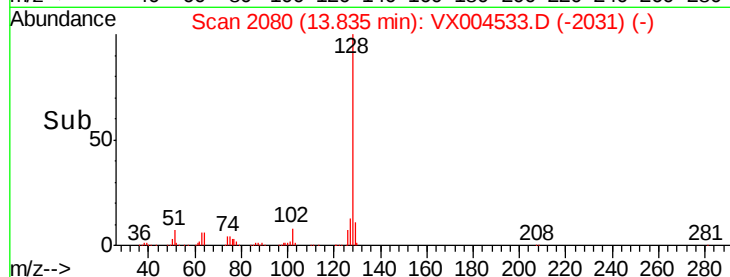
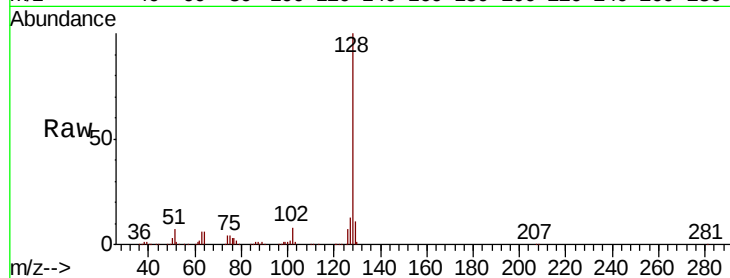
ClientSampleId :

VX0914WBS01

Tot Ion:	128	Resp:	278410
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/17/2018 5:09:21 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.69 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX004533.D

Acq: 14 Sep 2018 12:14

Tgt Ion:	180	Resp:	103129
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.5	145.6
145	29.5	14.9	44.9

