

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091818\
 Data File : VX004673.D
 Acq On : 18 Sep 2018 22:56
 Operator : JC/MD
 Sample : VX0918WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 12:51:30 PM

Quant Time: Sep 19 07:24:40 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	5.66	168	266145	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	351101	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	318464	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	217971	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	164312	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
35) Dibromofluoromethane	5.50	113	144200	44.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.76%	
50) Toluene-d8	8.71	98	495330	45.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.94%	
62) 4-Bromofluorobenzene	11.14	95	180151	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	47163	18.91	ug/l	99
3) Chloromethane	1.32	50	62484	18.20	ug/l	99
4) Vinyl Chloride	1.40	62	66737	18.94	ug/l	96
5) Bromomethane	1.64	94	33120	21.78	ug/l	99
6) Chloroethane	1.72	64	40623	17.83	ug/l	98
7) Trichlorofluoromethane	1.93	101	86923	18.61	ug/l	98
8) Diethyl Ether	2.19	74	40879	19.52	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	55069	18.59	ug/l	93
10) Methyl Iodide	2.51	142	53654	18.12	ug/l	96
11) Tert butyl alcohol	3.07	59	87607	106.99	ug/l	98
12) 1,1-Dichloroethene	2.37	96	52818	18.99	ug/l	97
13) Acrolein	2.29	56	16530	51.14	ug/l	95
14) Allyl chloride	2.73	41	102861	17.99	ug/l	95
15) Acrylonitrile	3.15	53	187918	95.30	ug/l	99
16) Acetone	2.45	43	144692	86.39	ug/l	91
17) Carbon Disulfide	2.57	76	137873	17.15	ug/l	99
18) Methyl Acetate	2.78	43	95796	20.39	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	201125	20.61	ug/l	99
20) Methylene Chloride	2.85	84	62924	18.31	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	60773	19.78	ug/l	89
22) Diisopropyl ether	3.87	45	199917	19.41	ug/l	92
23) Vinyl Acetate	3.82	43	790433	94.86	ug/l	98
24) 1,1-Dichloroethane	3.70	63	111177	19.12	ug/l	98
25) 2-Butanone	4.70	43	230052	86.30	ug/l	93
26) 2,2-Dichloropropane	4.59	77	66408	16.63	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	67008	19.53	ug/l	98
28) Bromochloromethane	5.01	49	49929	18.78	ug/l	97
29) Tetrahydrofuran	5.15	42	152646	94.96	ug/l	98
30) Chloroform	5.21	83	106615	18.78	ug/l	99
31) Cyclohexane	5.57	56	97023	19.55	ug/l	87
32) 1,1,1-Trichloroethane	5.50	97	89700	19.62	ug/l	99
36) 1,1-Dichloropropene	5.79	75	80641	18.92	ug/l	98
37) Ethyl Acetate	4.85	43	86395	17.82	ug/l	98
38) Carbon Tetrachloride	5.78	117	74528	17.90	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	81952	18.42	ug/l	98
40) Benzene	6.14	78	239725	18.95	ug/l	95
41) Methacrylonitrile	5.06	41	48824	18.28	ug/l	98
42) 1,2-Dichloroethane	6.20	62	76807	18.31	ug/l	100
43) Isopropyl Acetate	6.46	43	118245	18.36	ug/l	100
44) Trichloroethene	7.21	130	65213	19.85	ug/l	100
45) 1,2-Dichloropropane	7.51	63	57920	19.03	ug/l	100
46) Dibromomethane	7.66	93	36193	18.83	ug/l	98
47) Bromodichloromethane	7.90	83	67509	18.57	ug/l	98
48) Methyl methacrylate	7.77	41	58933	18.49	ug/l	95
49) 1,4-Dioxane	7.76	88	31114	412.53	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	389682	85.76	ug/l	100
52) Toluene	8.79	92	138529	18.59	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	72369	17.04	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	81759	18.88	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	56423	17.59	ug/l	99
56) Ethyl methacrylate	9.18	69	81950	18.06	ug/l	96
57) 1,3-Dichloropropane	9.37	76	92739	17.79	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	214000	97.12	ug/l	98
59) 2-Hexanone	9.50	43	297143	85.25	ug/l	99
60) Dibromochloromethane	9.59	129	54278	17.97	ug/l	100
61) 1,2-Dibromoethane	9.67	107	57953	18.91	ug/l	100
64) Tetrachloroethene	9.34	164	79174	19.91	ug/l	99
65) Chlorobenzene	10.14	112	154878	19.58	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	54730	20.06	ug/l	99
67) Ethyl Benzene	10.25	91	257257	20.00	ug/l	98
68) m/p-Xylenes	10.36	106	204569	41.29	ug/l	100
69) o-Xylene	10.70	106	97244	20.41	ug/l	98
70) Styrene	10.71	104	162223	20.56	ug/l	99
71) Bromoform	10.86	173	42850	19.13	ug/l #	100
73) Isopropylbenzene	11.02	105	265666	18.51	ug/l	100
74) N-amyl acetate	10.90	43	101053	16.72	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	74580	16.11	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	76252m	17.39	ug/l	
77) Bromobenzene	11.26	156	72305	18.22	ug/l	99
78) n-propylbenzene	11.36	91	300077	18.18	ug/l	100
79) 2-Chlorotoluene	11.42	91	185438	18.52	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	235632	19.53	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	21316	15.49	ug/l	98
82) 4-Chlorotoluene	11.51	91	230277	19.71	ug/l	99
83) tert-Butylbenzene	11.77	119	254363	22.14	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	278279	22.59	ug/l	98
85) sec-Butylbenzene	11.94	105	326772	22.32	ug/l	97
86) p-Isopropyltoluene	12.07	119	264187	20.43	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	150612	20.34	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	144182	18.85	ug/l	96
89) n-Butylbenzene	12.39	91	225315	19.12	ug/l	99
90) Hexachloroethane	12.60	117	40146	19.40	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	151788	20.26	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19562	19.79	ug/l	94

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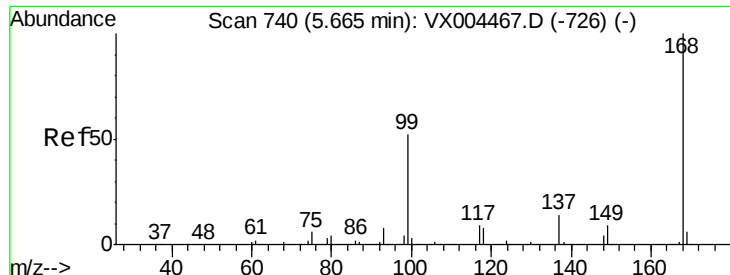
Manual Integrations
APPROVED

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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	115937	21.85	ug/l	99
94) Hexachlorobutadiene	13.79	225	56784	20.49	ug/l	95
95) Naphthalene	13.83	128	335875	22.57	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	119479	21.92	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Instrument :

MSVOA_X

ClientSampled :

VX0918WBS02

Tot Ion:168 Resp: 266145

Ion Ratio Lower Upper

168 100

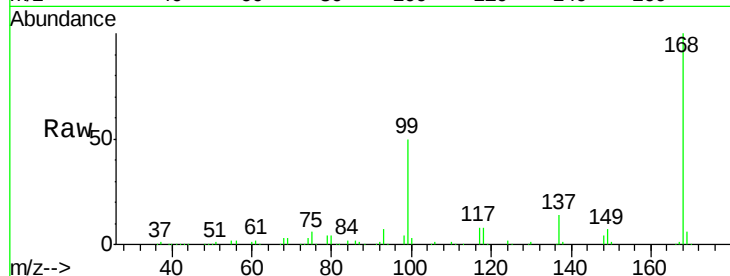
99 50.2 39.9 59.9

Manual Integrations

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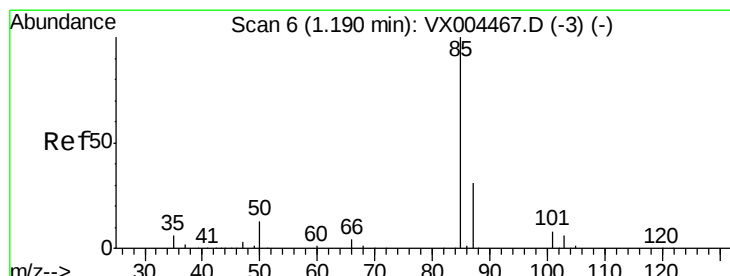
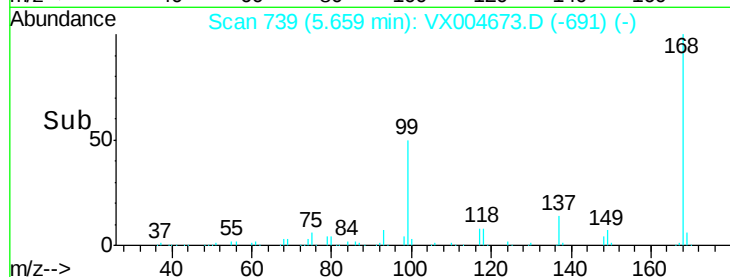
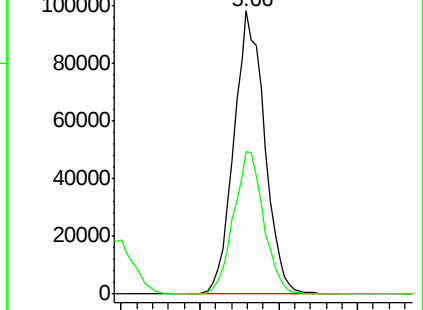
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.91 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004673.D

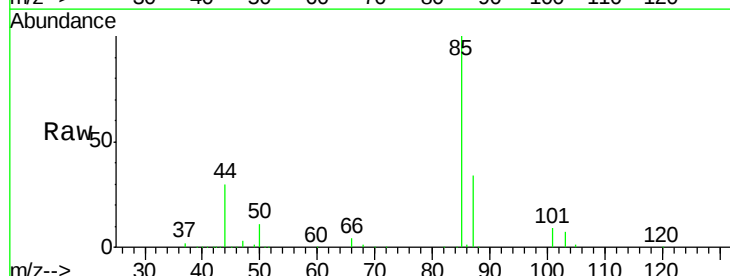
Acq: 18 Sep 2018 22:56

Tgt Ion: 85 Resp: 47163

Ion Ratio Lower Upper

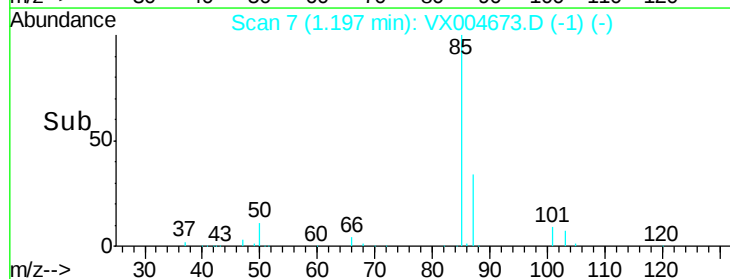
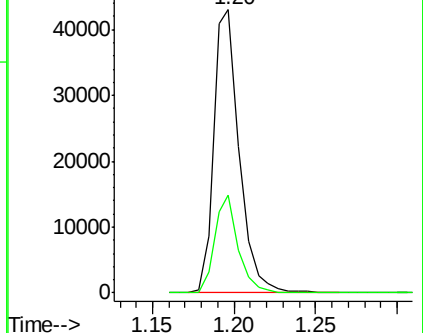
85 100

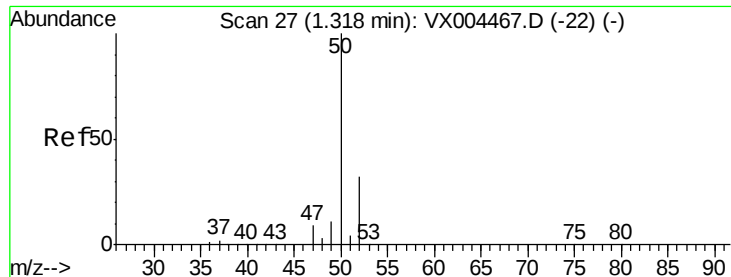
87 34.5 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.20 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS02

Tot Ion: 50 Resp: 62484

Ion Ratio Lower Upper

50 100

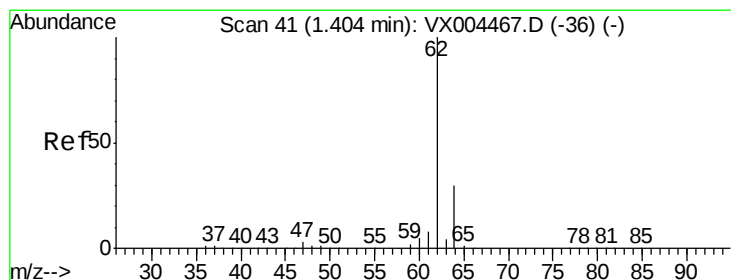
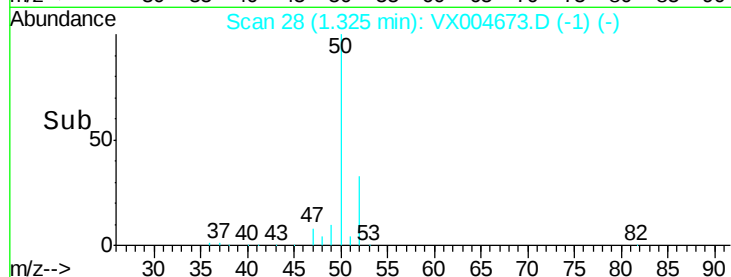
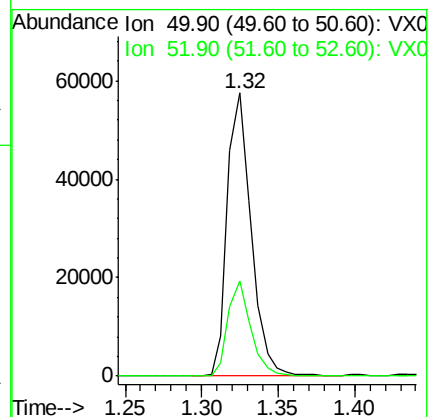
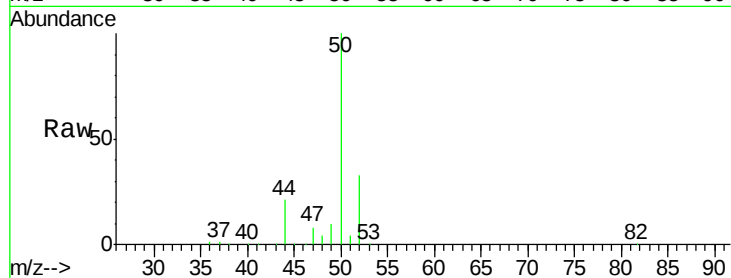
52 33.5 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.94 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004673.D

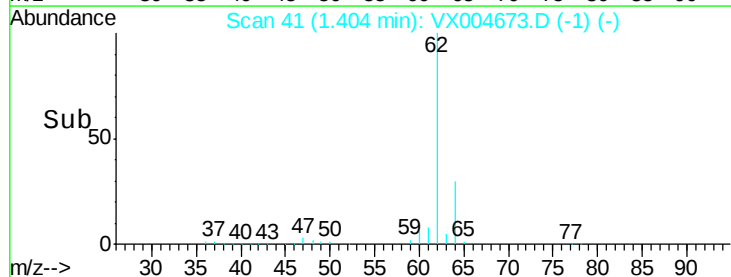
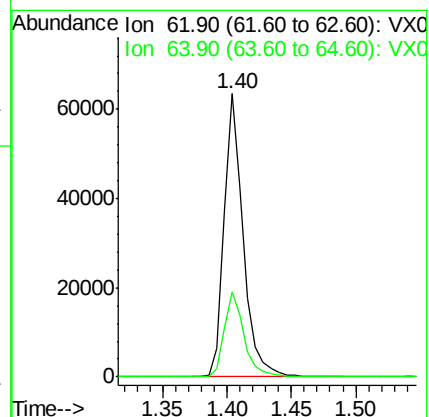
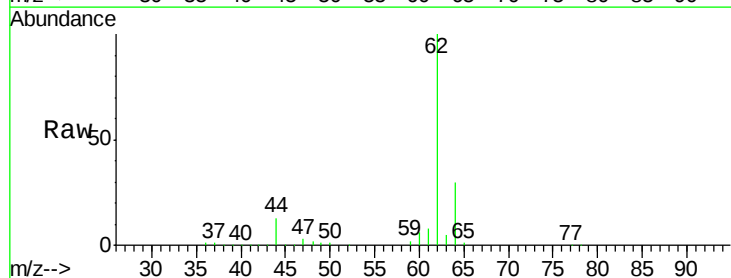
Acq: 18 Sep 2018 22:56

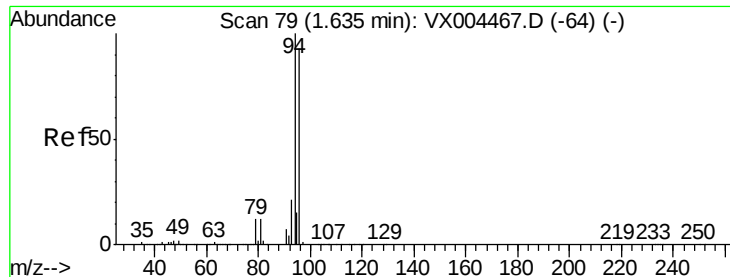
Tgt Ion: 62 Resp: 66737

Ion Ratio Lower Upper

62 100

64 30.0 25.8 38.8





#5

Bromomethane

Concen: 21.78 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Tot Ion: 94 Resp: 33120

Ion Ratio Lower Upper

94 100

96 91.8 74.5 111.7

Instrument :

MSVOA_X

ClientSampleId :

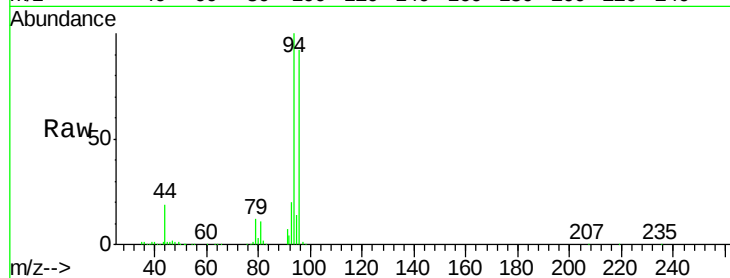
VX0918WBS02

Manual Integrations

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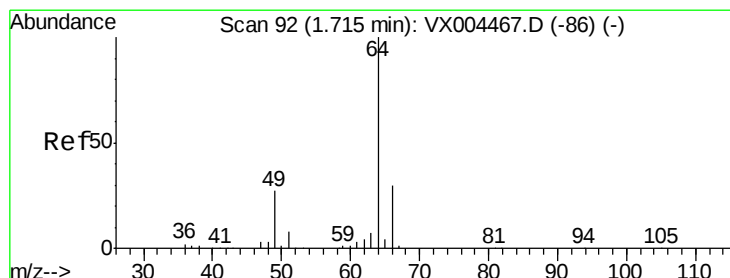
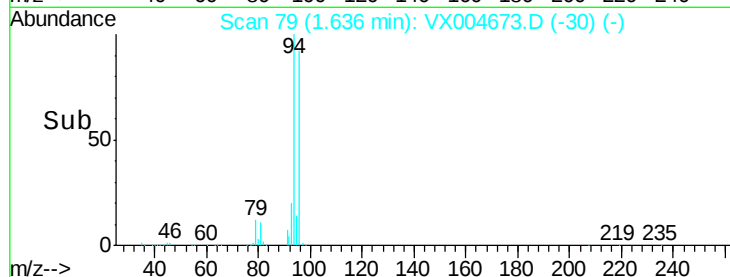
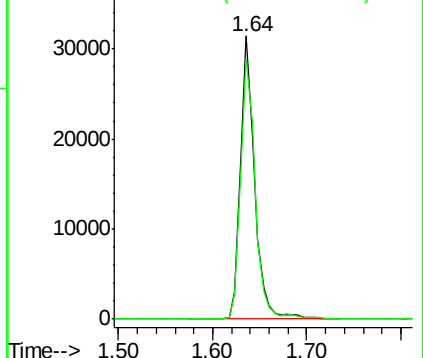
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.83 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004673.D

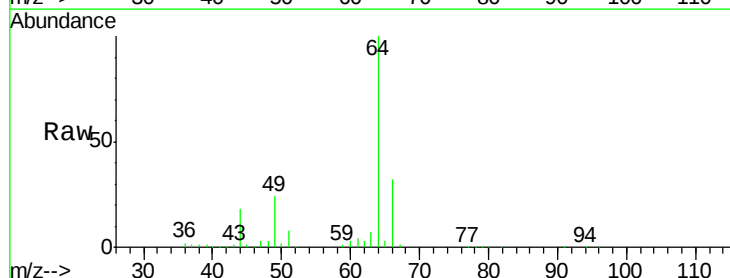
Acq: 18 Sep 2018 22:56

Tgt Ion: 64 Resp: 40623

Ion Ratio Lower Upper

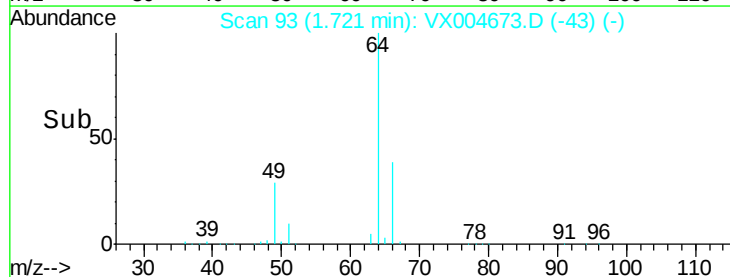
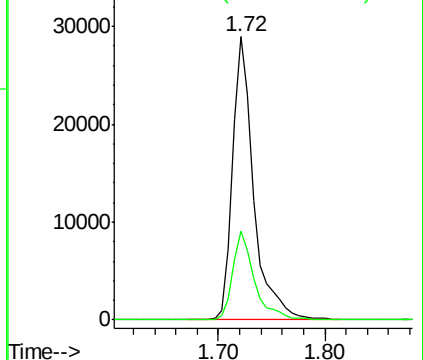
64 100

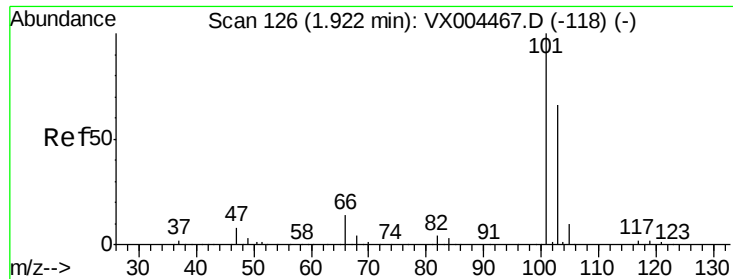
66 31.5 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

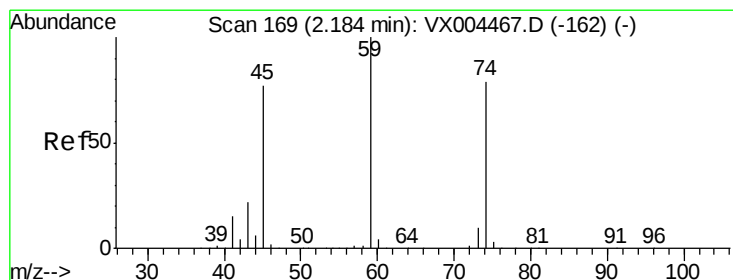
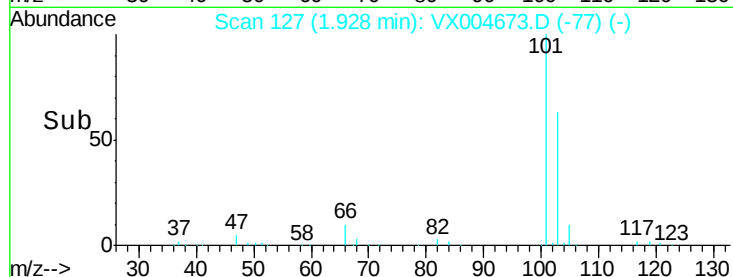
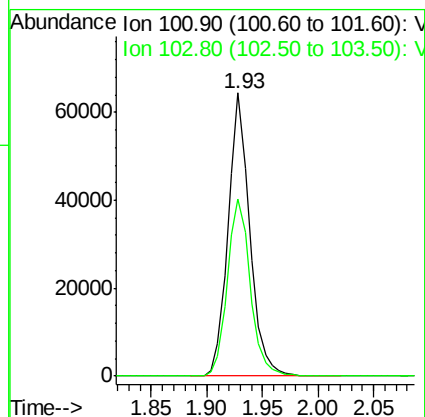
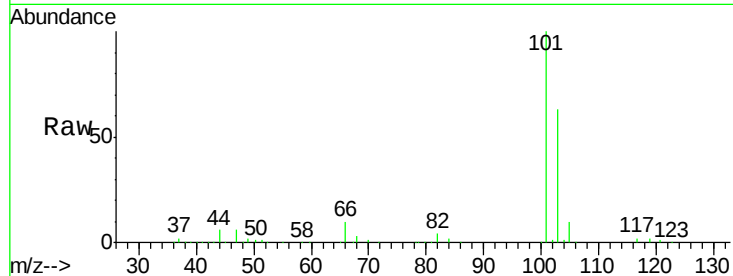
Trichlorofluoromethane
Concen: 18.61 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS02

Tot Ion:101 Resp: 86923
Ion Ratio Lower Upper
101 100
103 62.7 48.9 73.3

Manual Integrations
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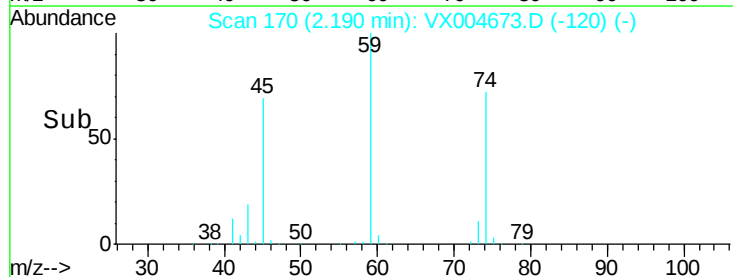
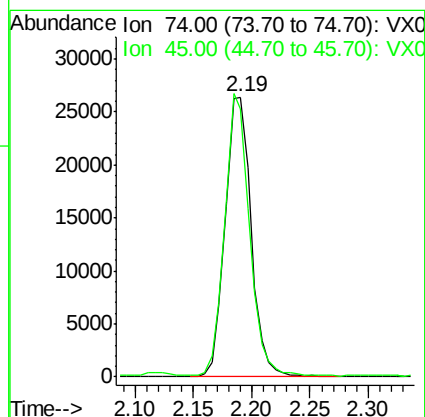
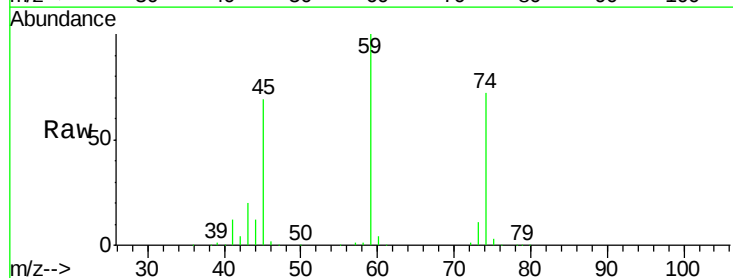
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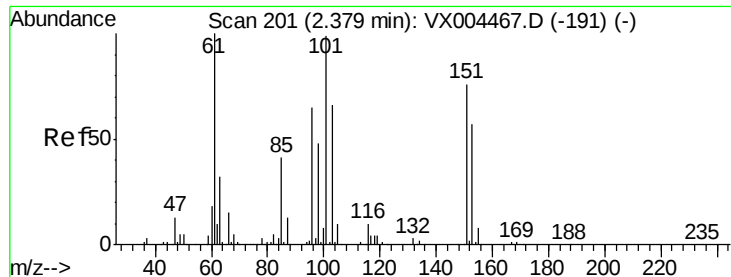


#8

Diethyl Ether
Concen: 19.52 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Tgt Ion: 74 Resp: 40879
Ion Ratio Lower Upper
74 100
45 96.1 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.59 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Instrument :

MSVOA_X

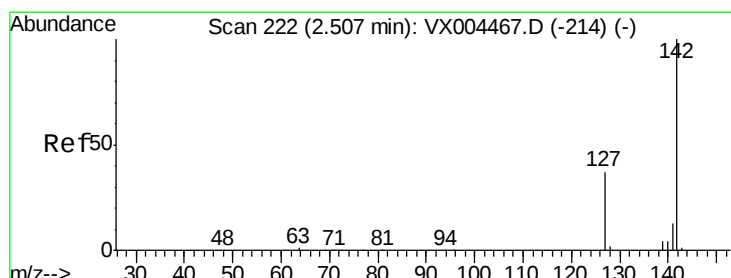
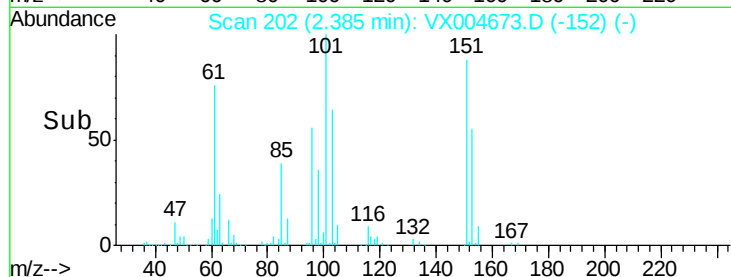
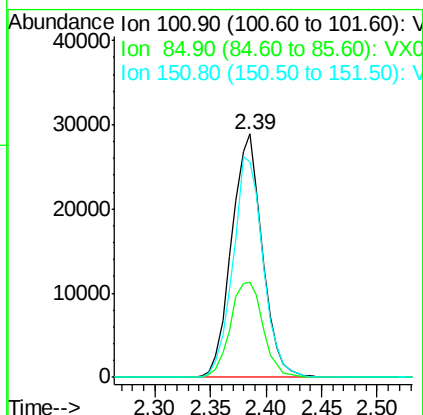
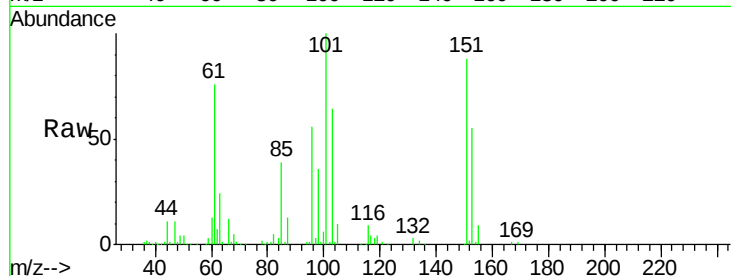
ClientSampleId :

VX0918WBS02

Tot Ion:	101	Resp:	55069
Ion Ratio	Lower	Upper	
101	100		
85	41.6	34.2	51.4
151	89.5	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 18.12 ug/l

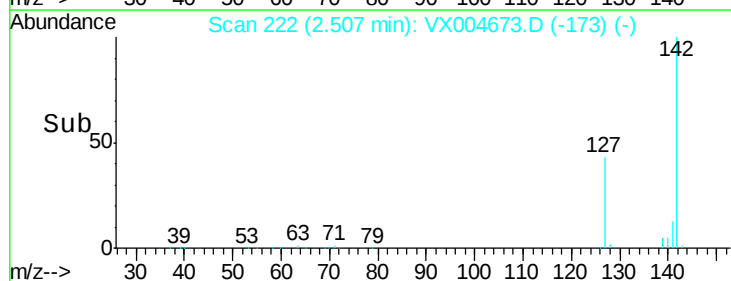
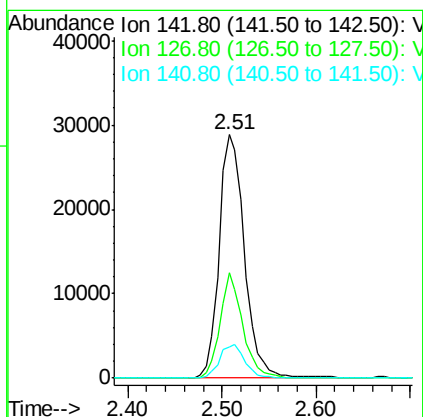
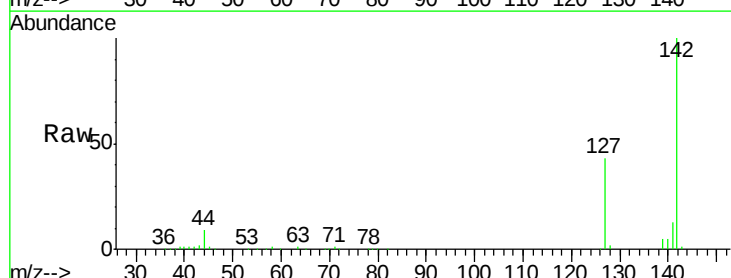
RT: 2.51 min Scan# 222

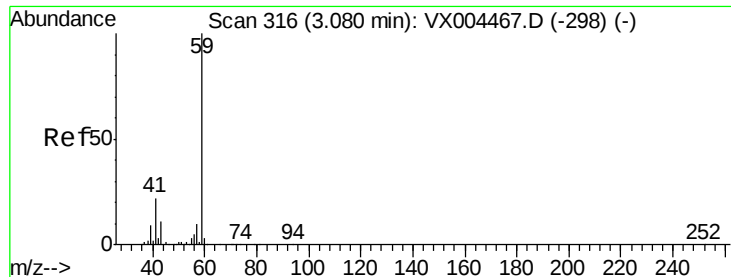
Delta R.T. 0.00 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Tgt Ion:	142	Resp:	53654
Ion Ratio	Lower	Upper	
142	100		
127	39.0	33.8	50.6
141	13.6	11.4	17.0





#11

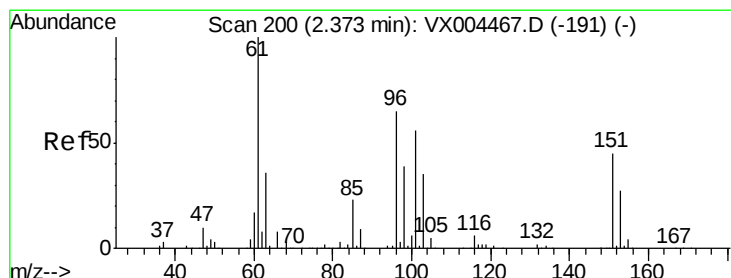
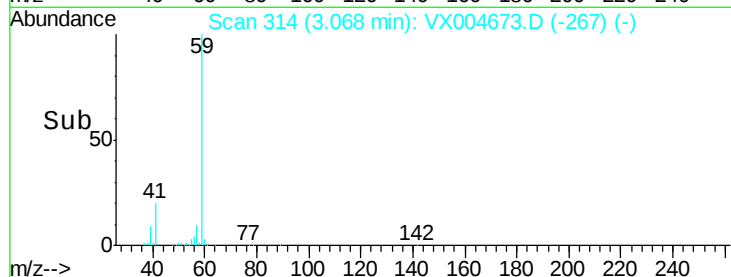
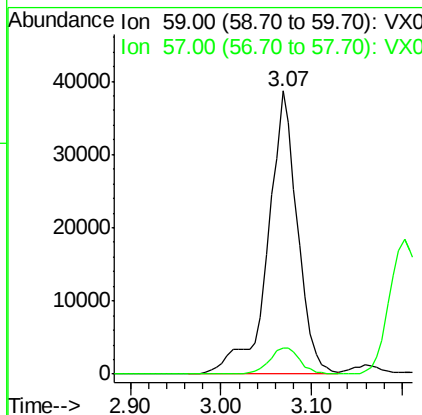
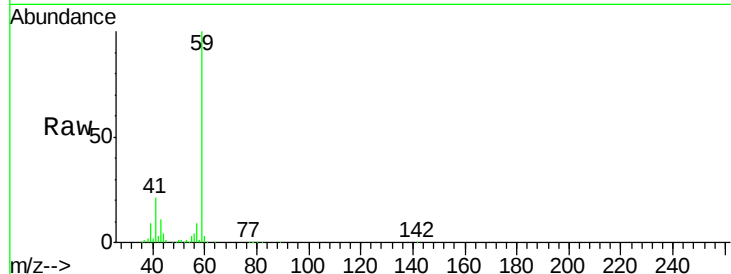
Tert butyl alcohol
Concen: 106.99 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS02

Tot Ion	59	Resp	87607
Ion Ratio	100	Lower	Upper
57	9.7	8.2	12.4

Manual Integrations
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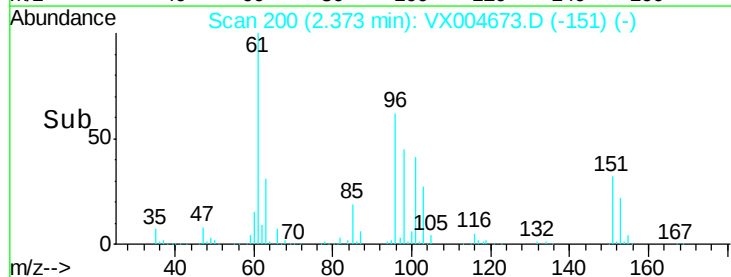
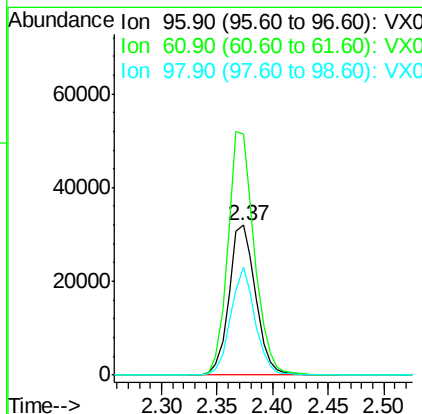
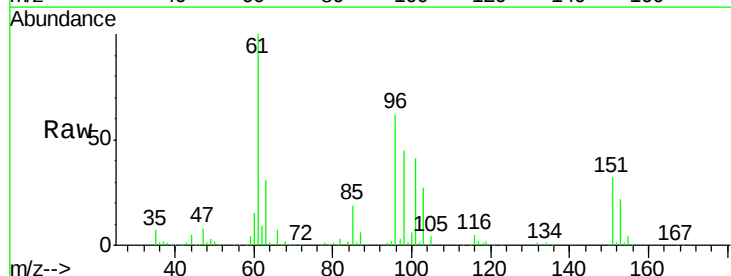
MMDadoda
9/19/2018 12:51:30 PM

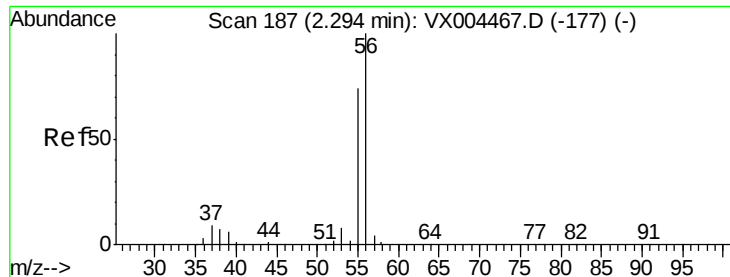


#12

1,1-Dichloroethene
Concen: 18.99 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Tgt Ion	96	Resp	52818
Ion Ratio	100	Lower	Upper
61	160.4	128.8	193.2
98	72.0	52.2	78.2





#13

Acrolein

Concen: 51.14 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS02

Tot Ion: 56 Resp: 16530

Ion Ratio Lower Upper

56 100

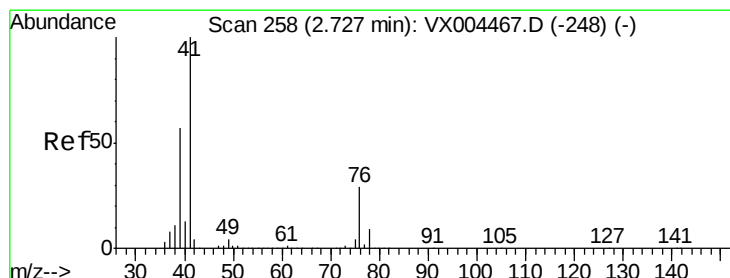
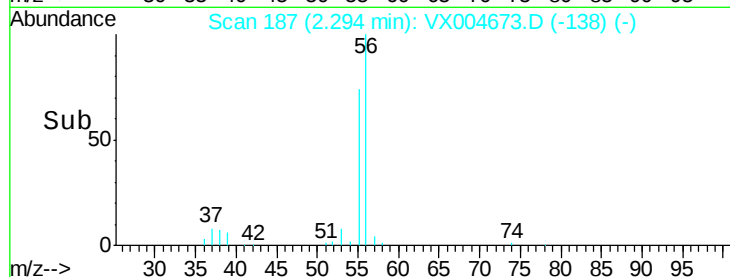
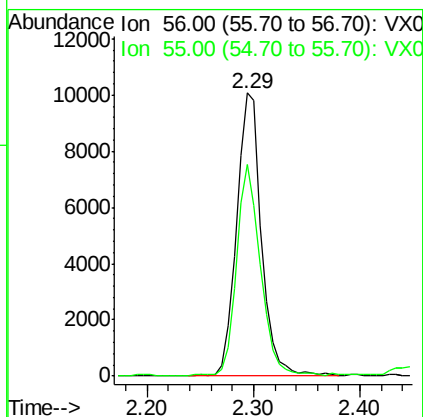
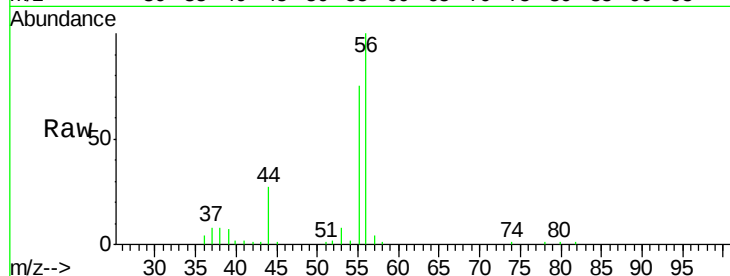
55 72.5 54.7 82.1

Manual Integrations

APPROVED

MMDadoda

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#14

Allyl chloride

Concen: 17.99 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

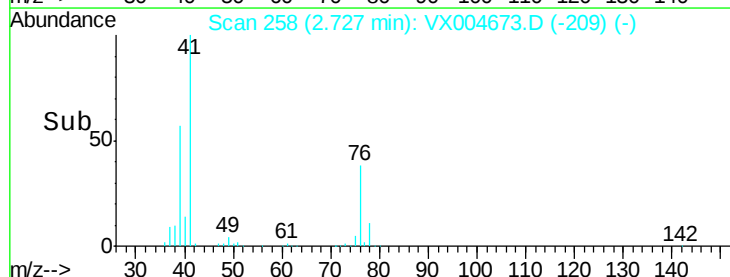
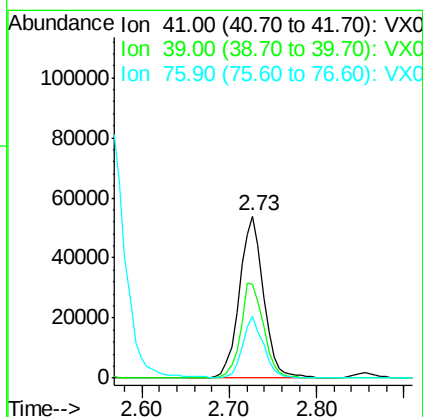
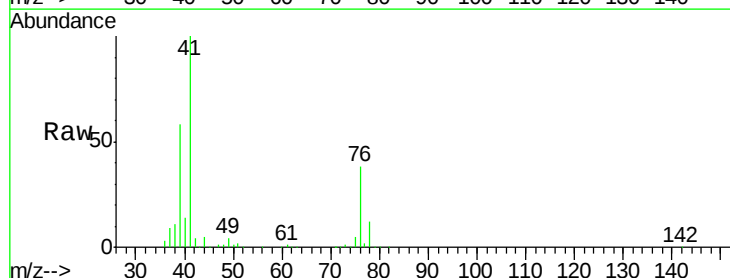
Tgt Ion: 41 Resp: 102861

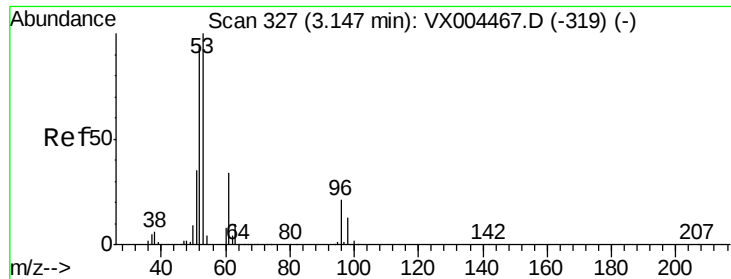
Ion Ratio Lower Upper

41 100

39 55.6 48.9 73.3

76 33.7 26.7 40.1





#15

Acrylonitrile

Concen: 95.30 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Instrument :

MSVOA_X

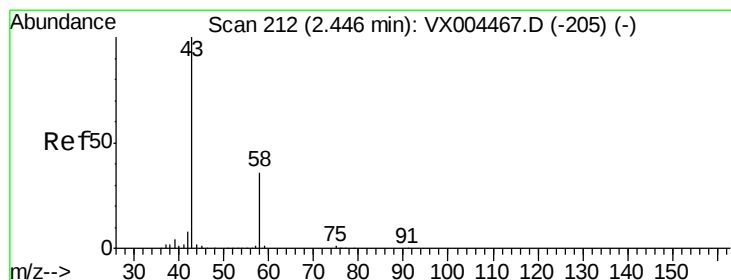
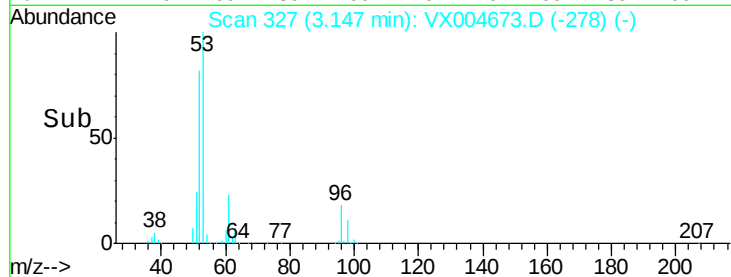
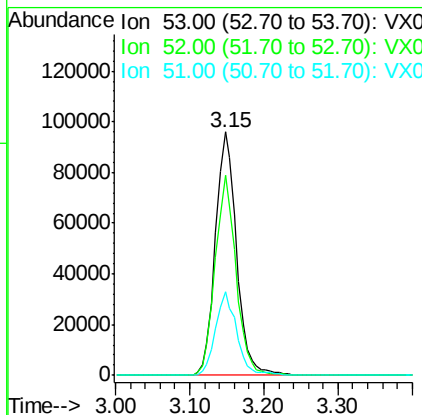
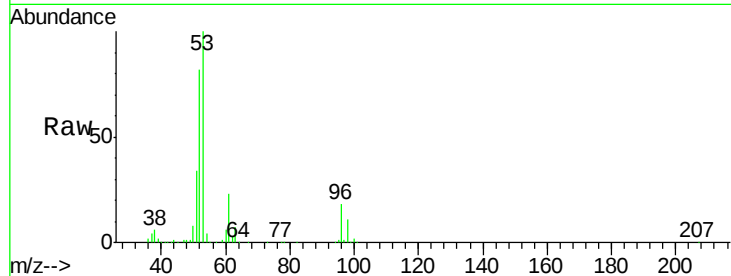
ClientSampleId :

VX0918WBS02

Tot Ion	53	Resp	187918
Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.2	97.8
51	34.1	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 86.39 ug/l

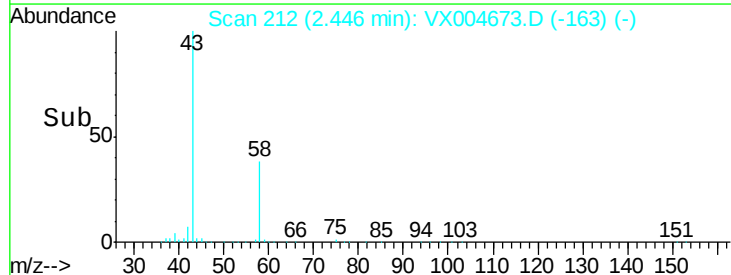
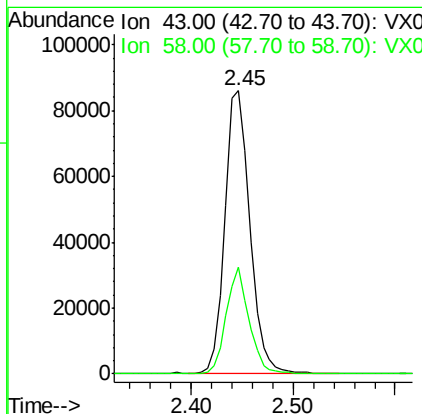
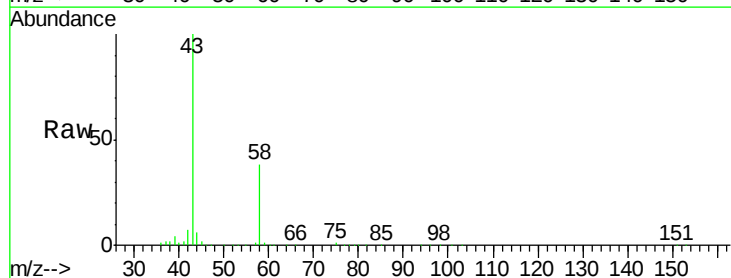
RT: 2.45 min Scan# 212

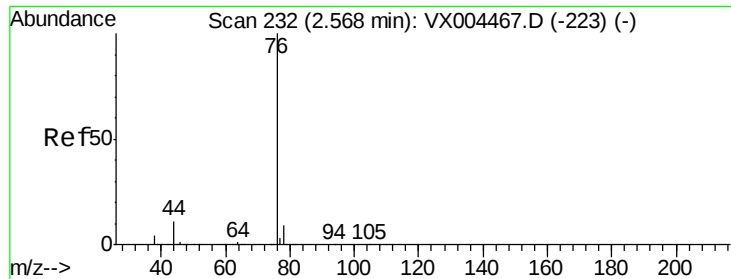
Delta R.T. 0.00 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Tgt Ion	43	Resp	144692
Ion	Ratio	Lower	Upper
43	100		
58	38.0	26.2	39.4





#17

Carbon Disulfide

Concen: 17.15 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Tot Ion: 76 Resp: 137873

Ion Ratio Lower Upper

76 100

78 8.5 7.0 10.6

Instrument :

MSVOA_X

ClientSampleId :

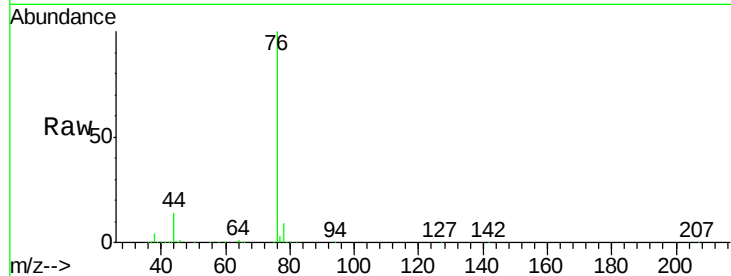
VX0918WBS02

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

80000

60000

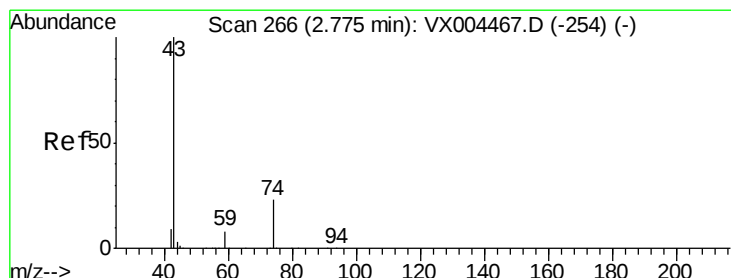
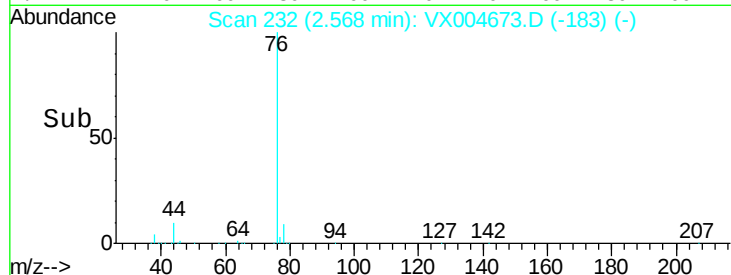
40000

20000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 20.39 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX004673.D

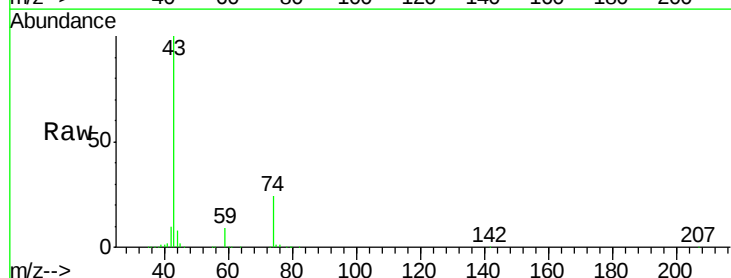
Acq: 18 Sep 2018 22:56

Tgt Ion: 43 Resp: 95796

Ion Ratio Lower Upper

43 100

74 23.3 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

60000

50000

40000

30000

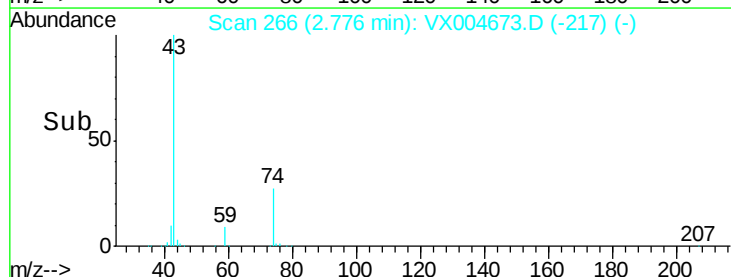
20000

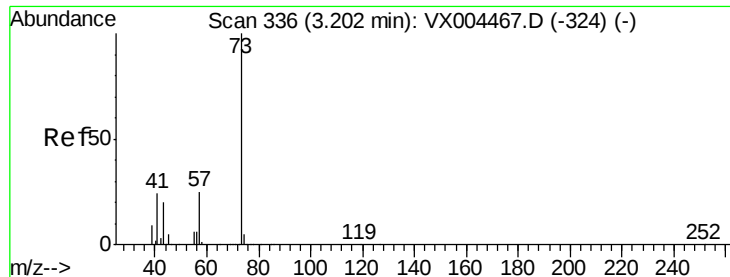
10000

0

Time-->

2.65 2.70 2.75 2.80 2.85





#19

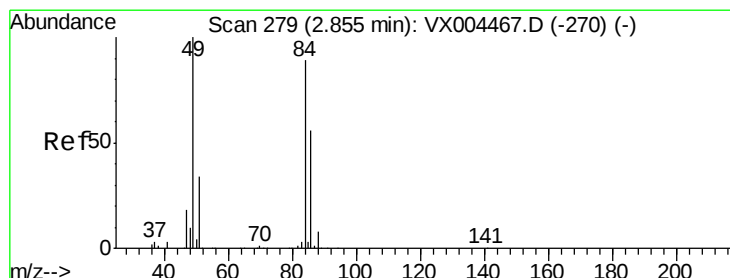
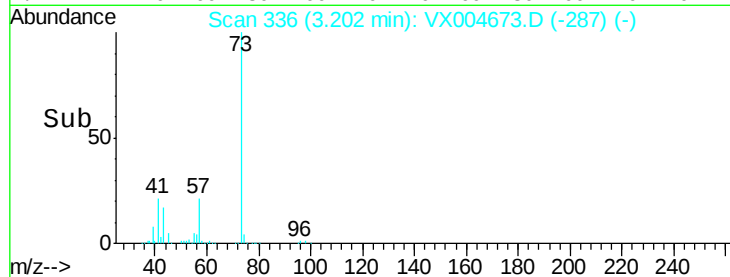
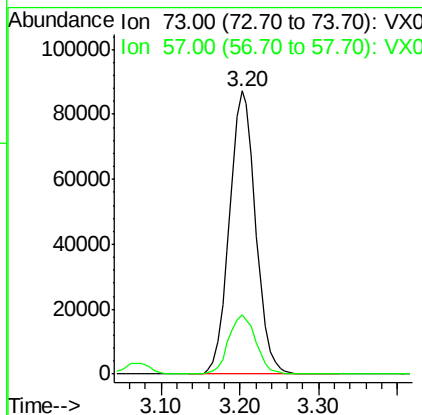
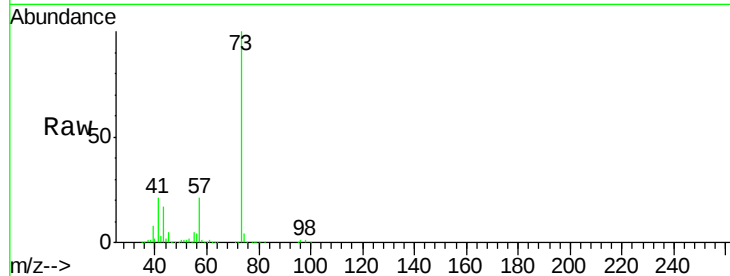
Methyl tert-butyl Ether
 Concen: 20.61 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX004673.D
 Acq: 18 Sep 2018 22:56

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0918WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.1	25.7

Manual Integrations
 APPROVED

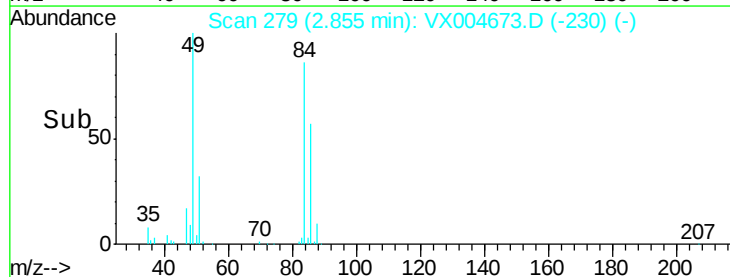
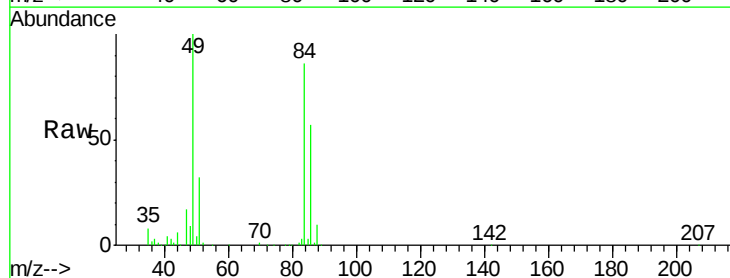
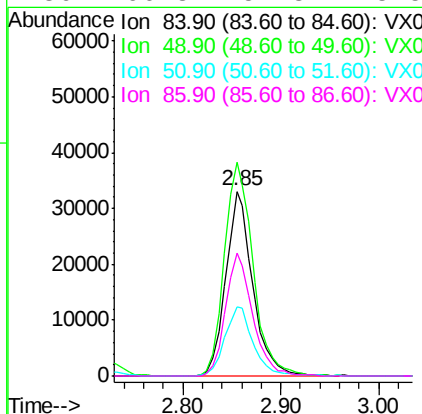
MMDadoda
 9/19/2018 12:51:30 PM

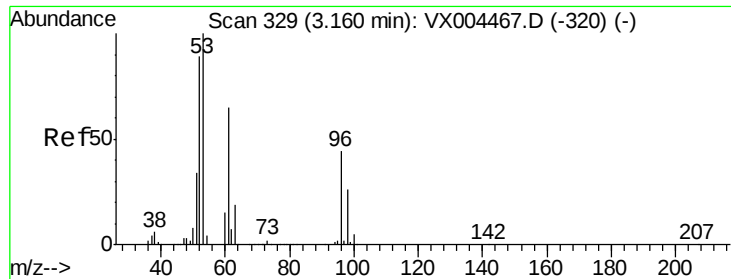


#20

Methylene Chloride
 Concen: 18.31 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX004673.D
 Acq: 18 Sep 2018 22:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.8	101.2	151.8
51	37.0	29.5	44.3
86	66.3	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 19.78 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Instrument :

MSVOA_X

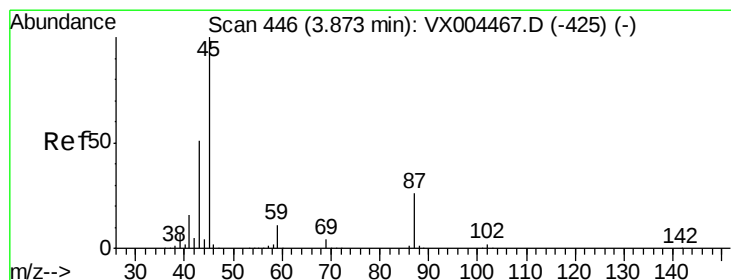
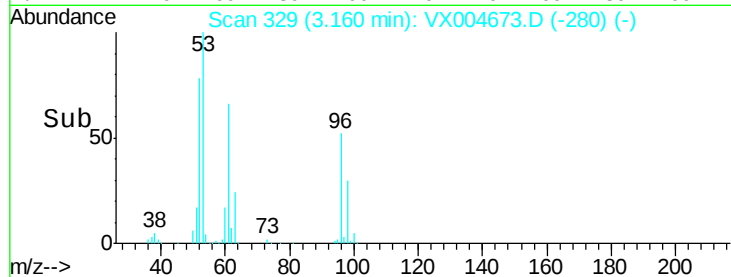
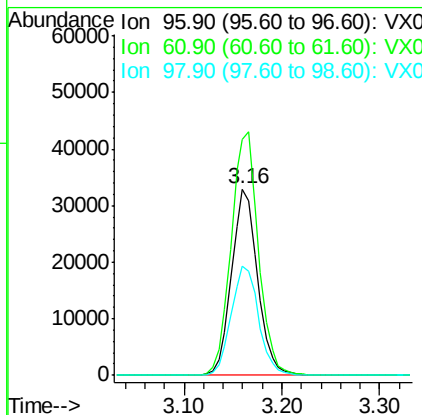
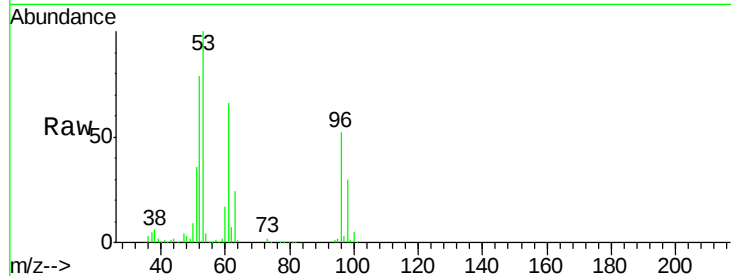
ClientSampleId :

VX0918WBS02

Tot Ion:	96	Resp:	60773
Ion	Ratio	Lower	Upper
96	100		
61	126.8	113.8	170.6
98	58.4	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.41 ug/l

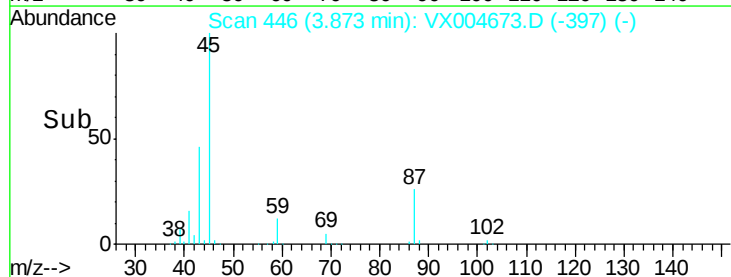
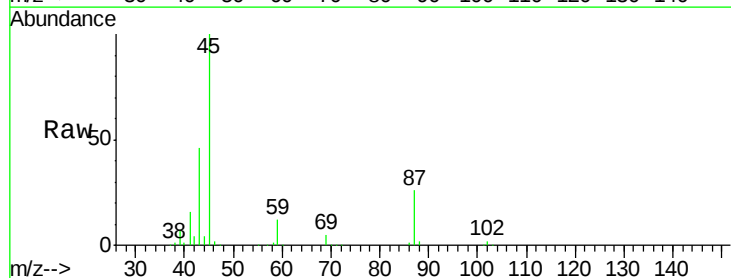
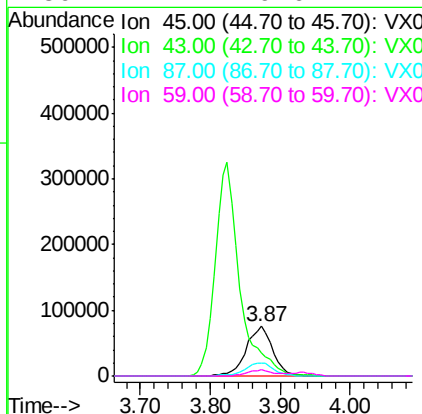
RT: 3.87 min Scan# 446

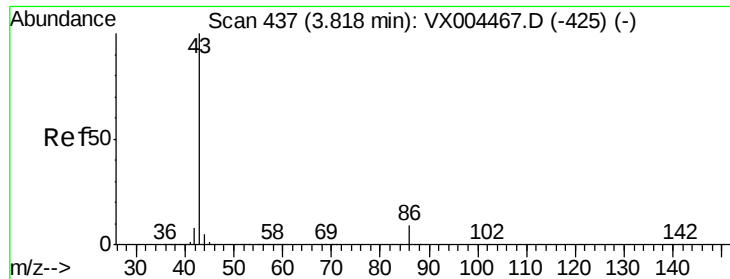
Delta R.T. 0.00 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Tgt Ion:	45	Resp:	199917
Ion	Ratio	Lower	Upper
45	100		
43	45.6	42.8	64.2
87	26.4	22.6	34.0
59	12.1	9.6	14.4





#23

Vinyl Acetate

Concen: 94.86 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Tot Ion: 43 Resp: 790433

Ion Ratio Lower Upper

43 100

86 10.5 8.9 13.3

Instrument :

MSVOA_X

ClientSampled :

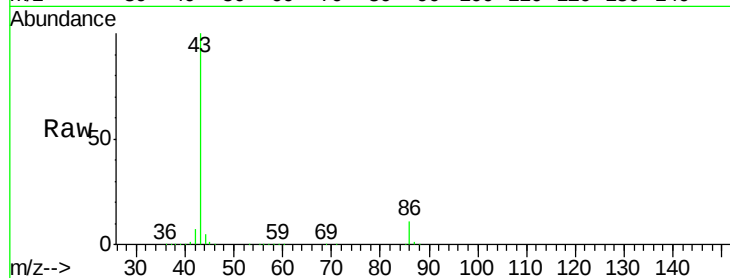
VX0918WBS02

Manual Integrations

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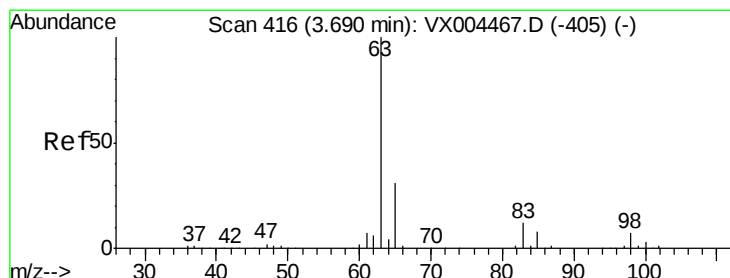
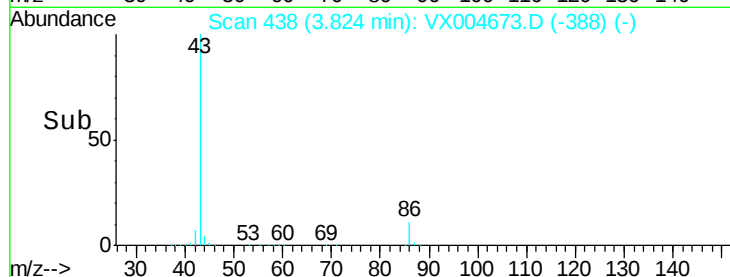
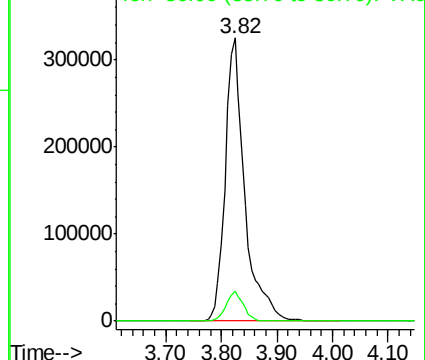
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.12 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

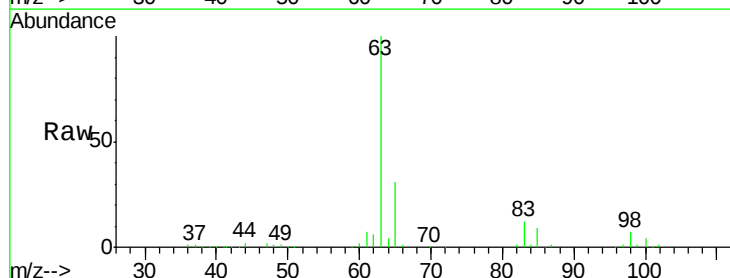
Tgt Ion: 63 Resp: 111177

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

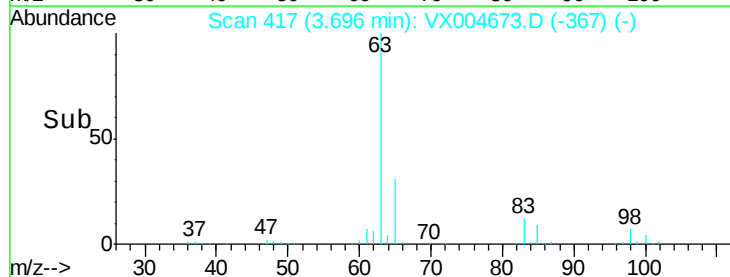
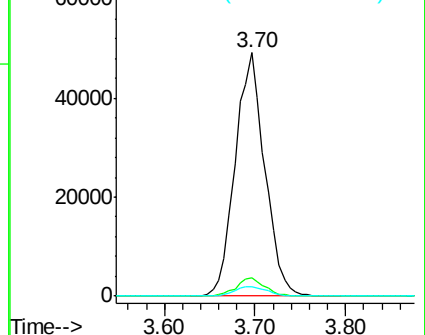
100 4.0 2.4 7.1

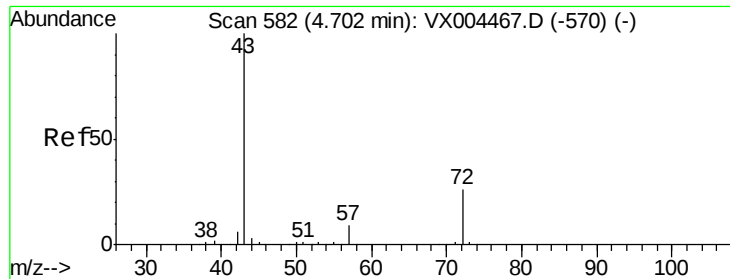


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 86.30 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Tot Ion: 43 Resp: 230052

Ion Ratio Lower Upper

43 100

72 24.0 22.0 33.0

Instrument :

MSVOA_X

ClientSampleId :

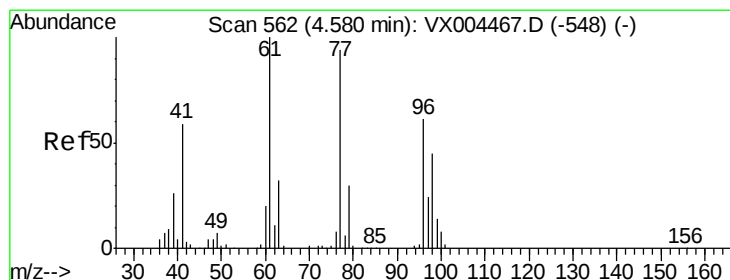
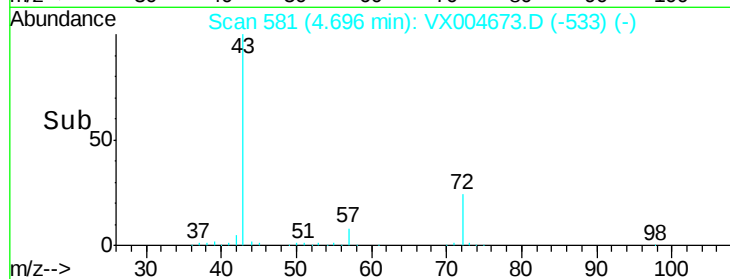
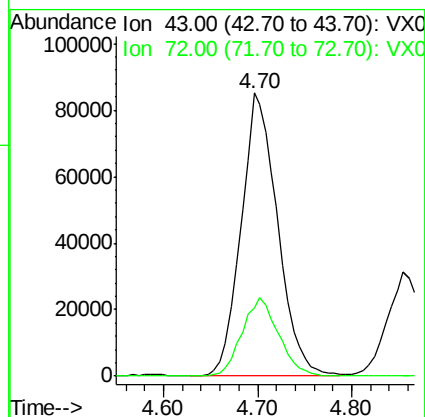
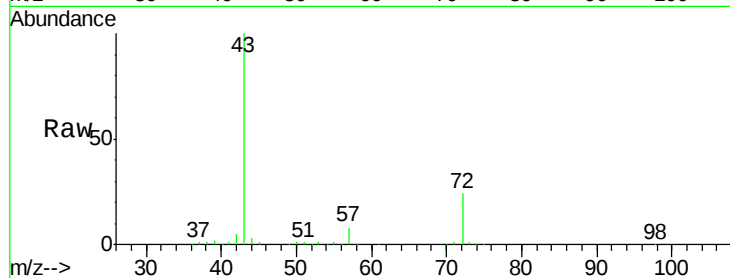
VX0918WBS02

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#26

2,2-Dichloropropane

Concen: 16.63 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX004673.D

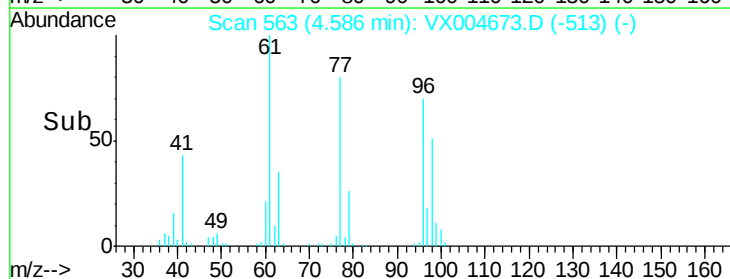
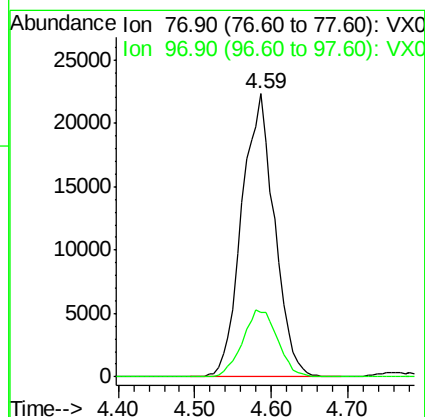
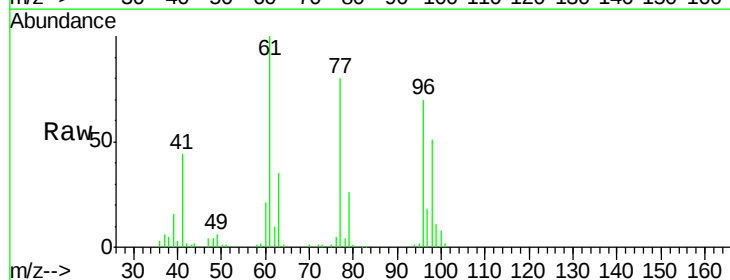
Acq: 18 Sep 2018 22:56

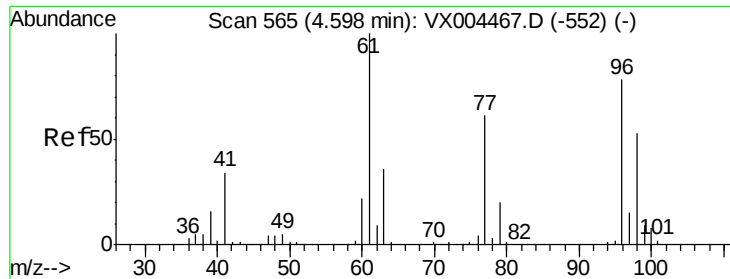
Tgt Ion: 77 Resp: 66408

Ion Ratio Lower Upper

77 100

97 25.3 11.7 35.0





#27

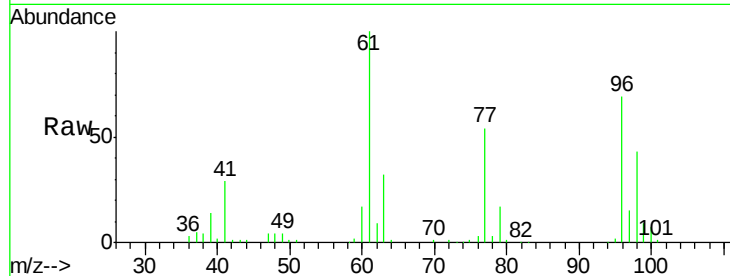
cis-1,2-Dichloroethene
Concen: 19.53 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS02

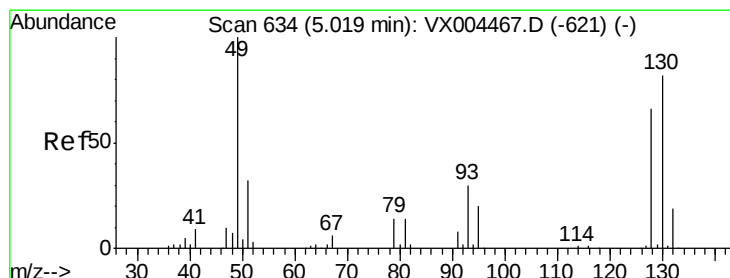
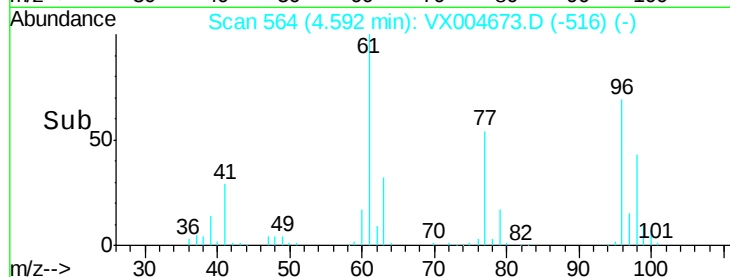
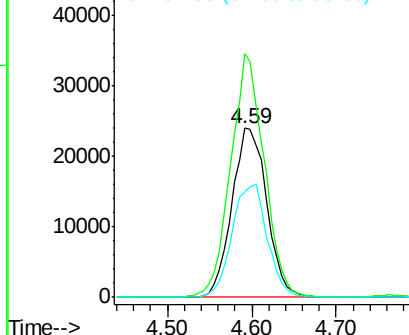
Tot Ion	Ratio	Lower	Upper
96	100		
61	139.2	0.0	282.6
98	67.4	0.0	130.2

Manual Integrations
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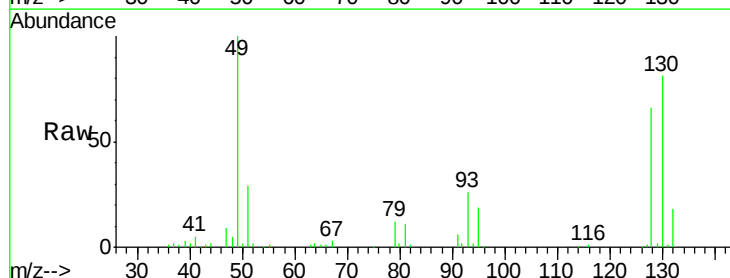
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



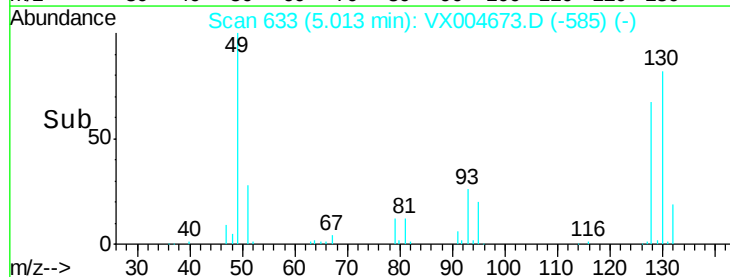
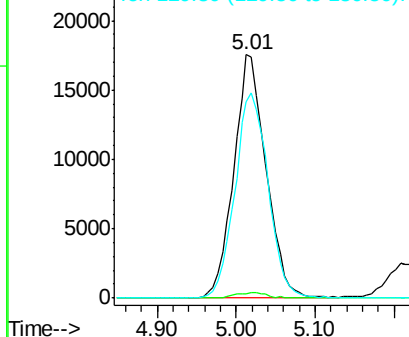
#28

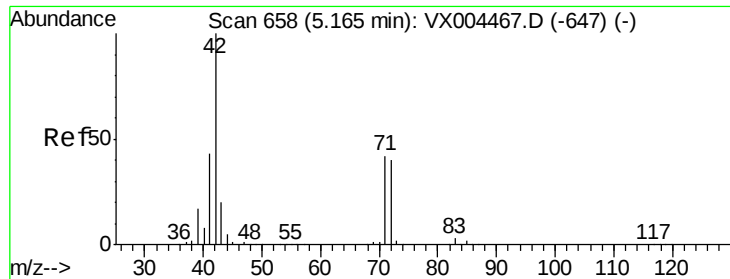
Bromochloromethane
Concen: 18.78 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	86.9	67.5	101.3



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





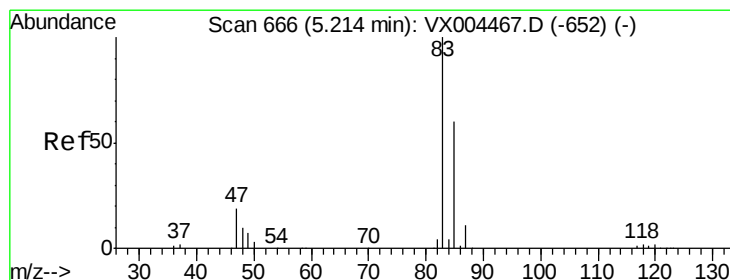
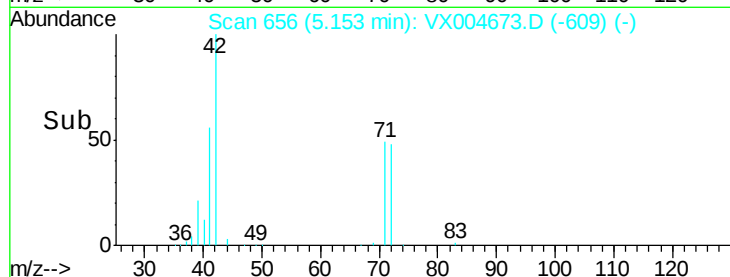
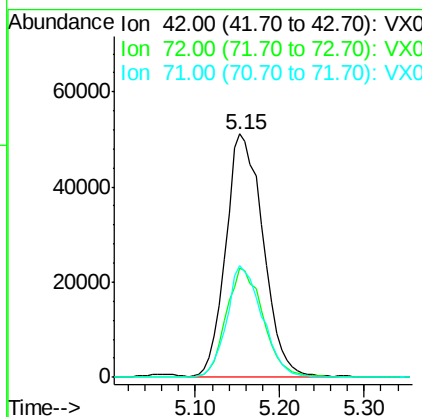
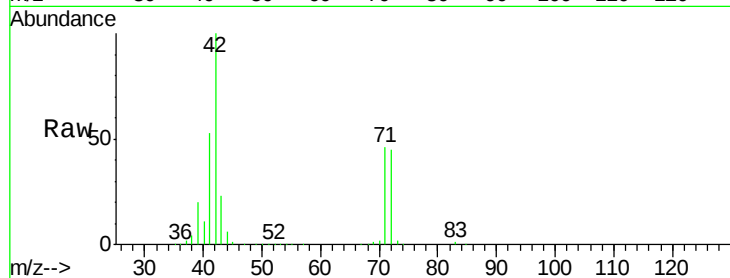
#29
Tetrahydrofuran
Concen: 94.96 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	37.4	56.0
71	44.0	34.5	51.7

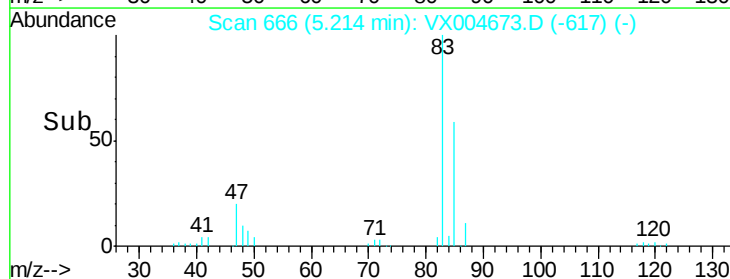
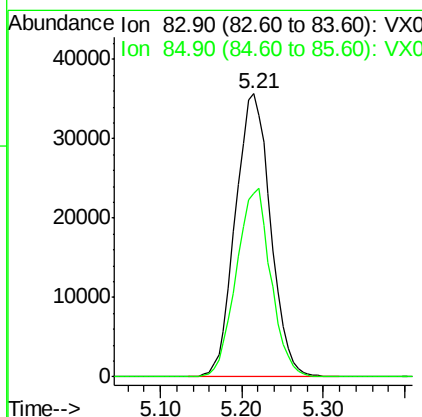
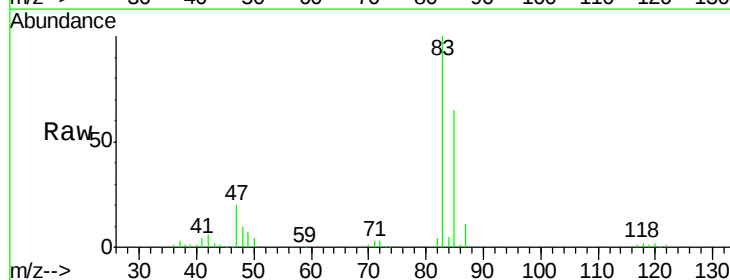
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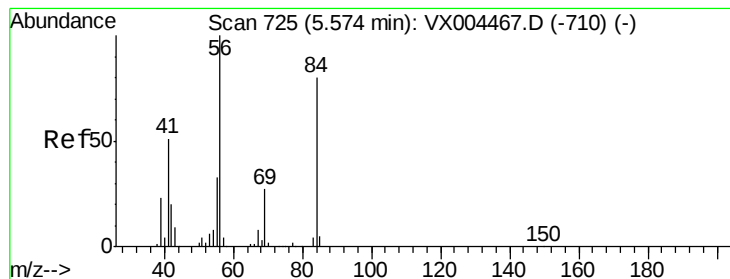
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#30
Chloroform
Concen: 18.78 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.6	79.0





#31

Cyclohexane

Concen: 19.55 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS02

Tot Ion: 56 Resp: 97023

Ion Ratio Lower Upper

56 100

69 28.1 25.4 38.2

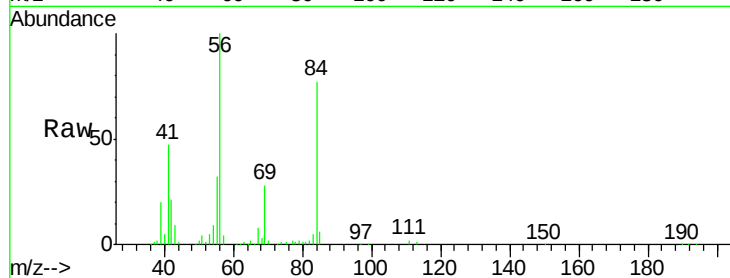
84 75.5 71.4 107.2

Manual Integrations

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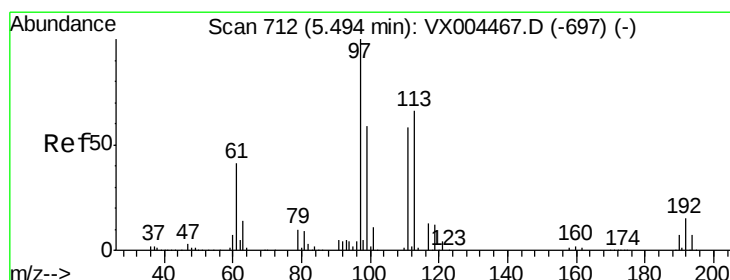
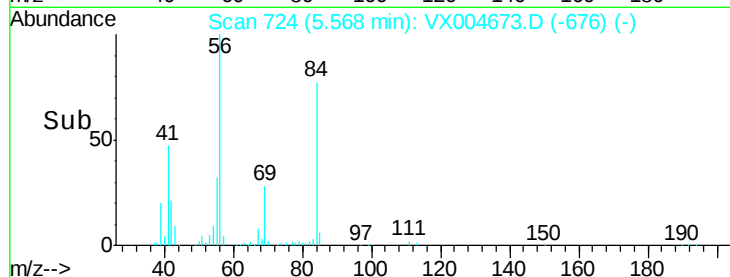
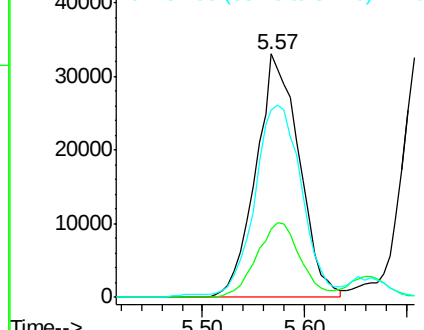
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.62 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

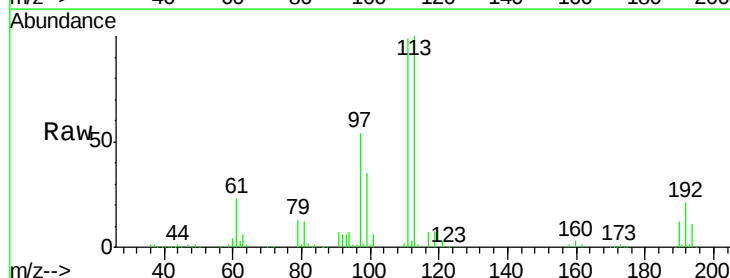
Tgt Ion: 97 Resp: 89700

Ion Ratio Lower Upper

97 100

99 64.9 52.0 78.0

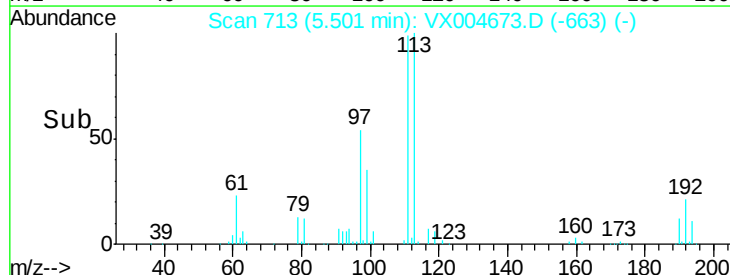
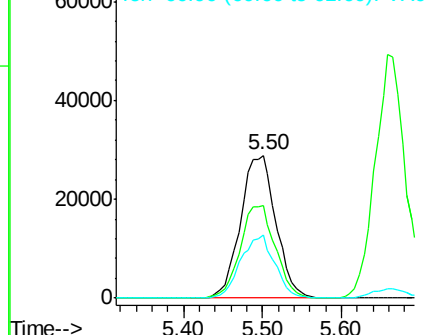
61 42.4 34.9 52.3

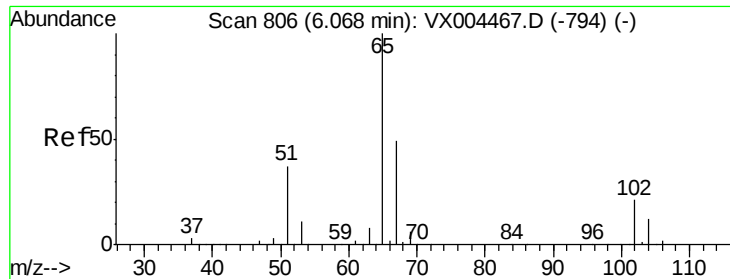


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.88 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Tot Ion: 65 Resp: 164312

Ion Ratio Lower Upper

65 100

67 54.4 0.0 106.8

Instrument :

MSVOA_X

ClientSampleId :

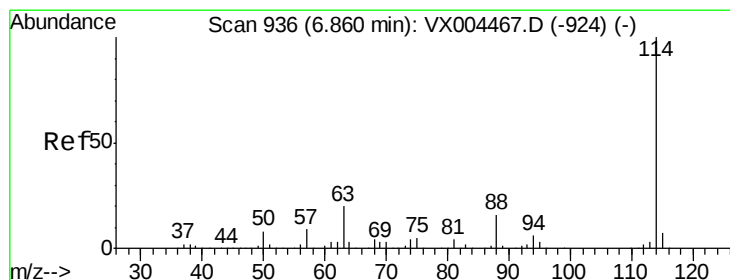
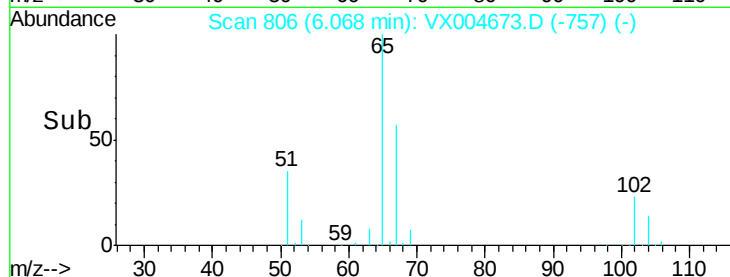
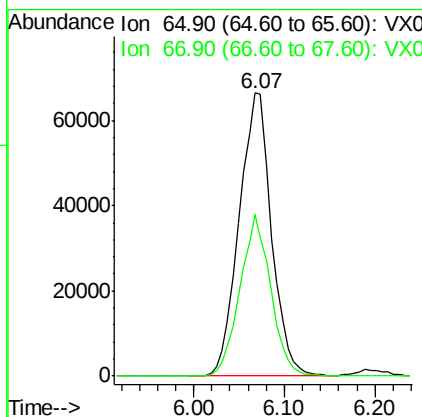
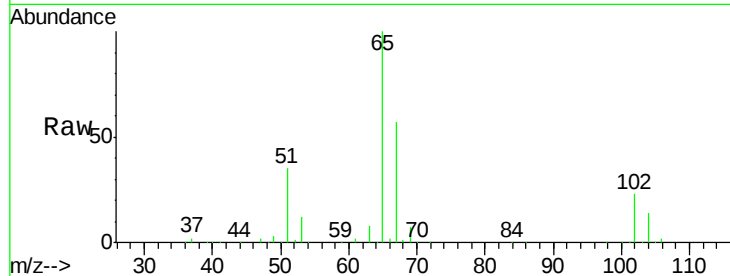
VX0918WBS02

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

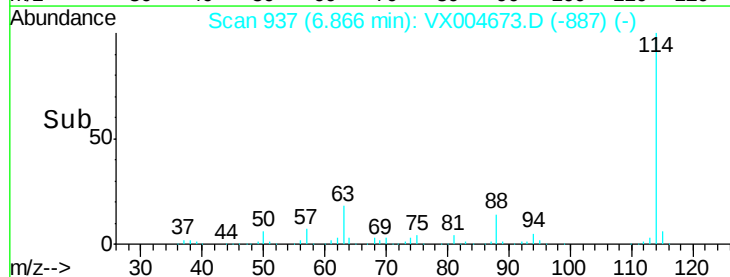
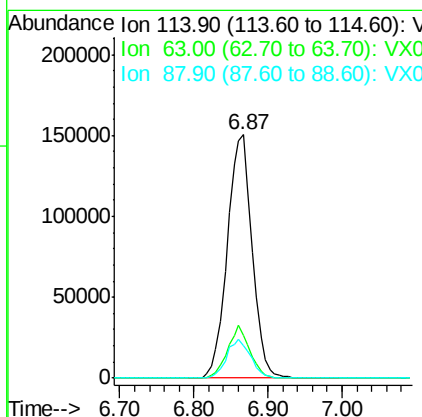
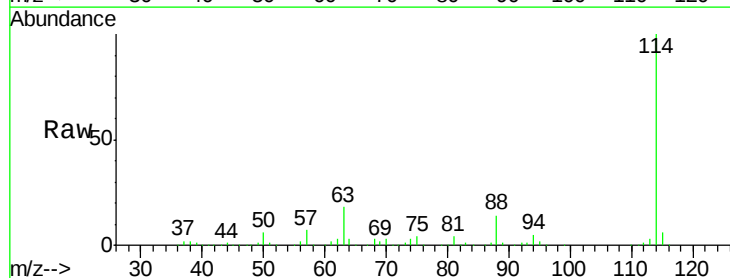
Tgt Ion: 114 Resp: 351101

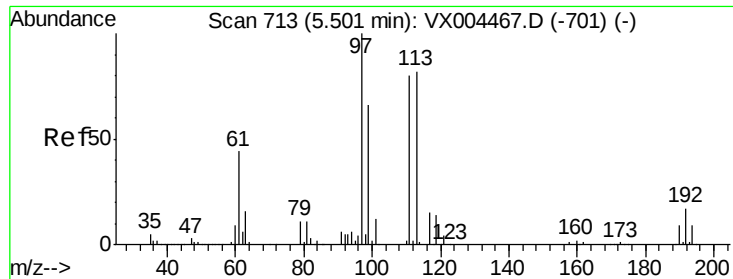
Ion Ratio Lower Upper

114 100

63 17.6 0.0 39.0

88 13.6 0.0 30.4





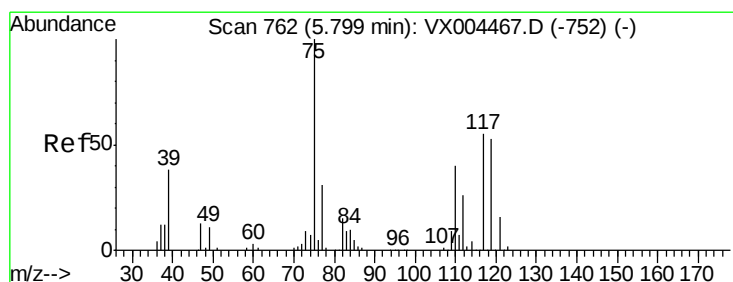
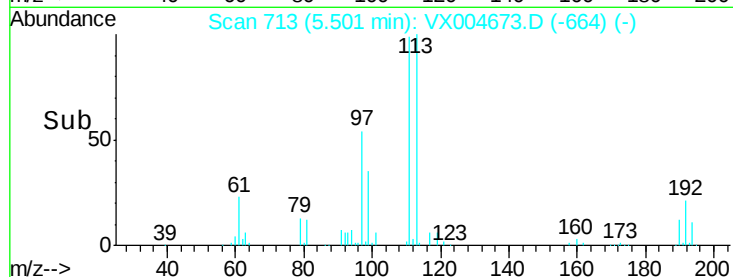
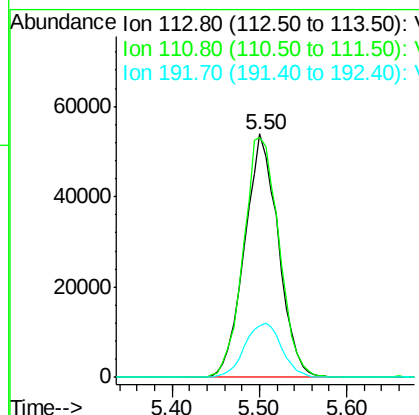
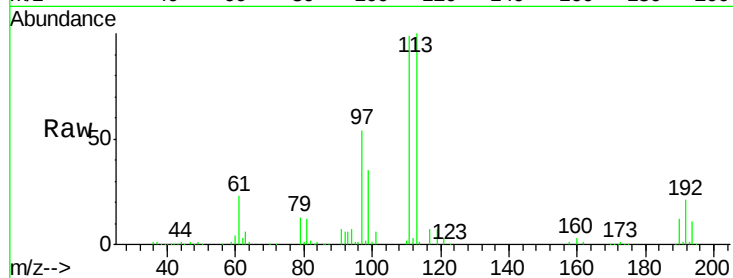
#35
 Dibromofluoromethane
 Concen: 44.88 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004673.D
 Acq: 18 Sep 2018 22:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.4	123.6
192	24.4	19.4	29.2

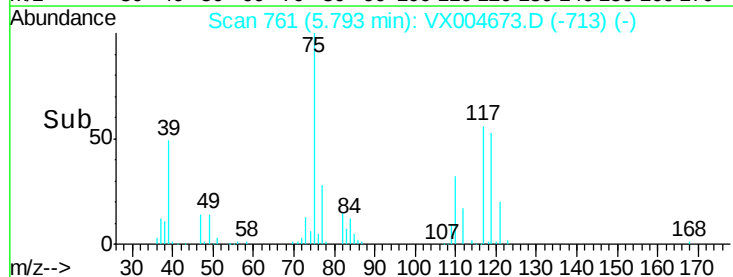
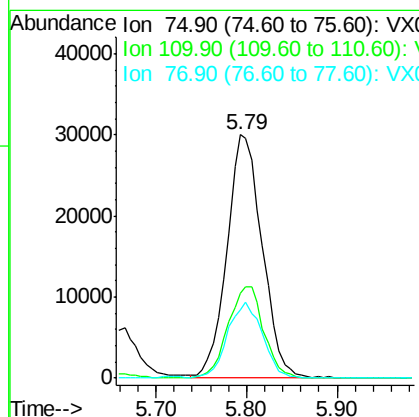
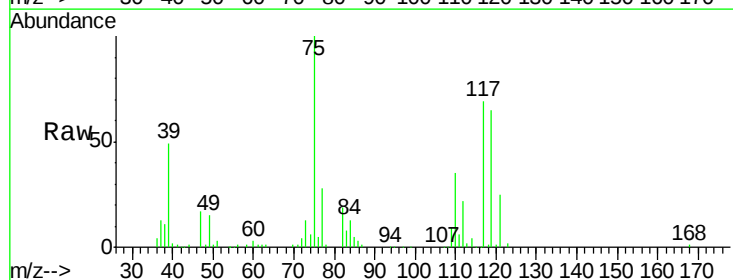
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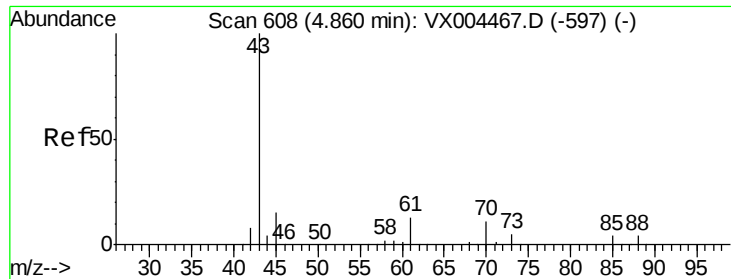
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#36
 1,1-Dichloropropene
 Concen: 18.92 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX004673.D
 Acq: 18 Sep 2018 22:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.0	18.0	54.0
77	30.7	24.6	36.8





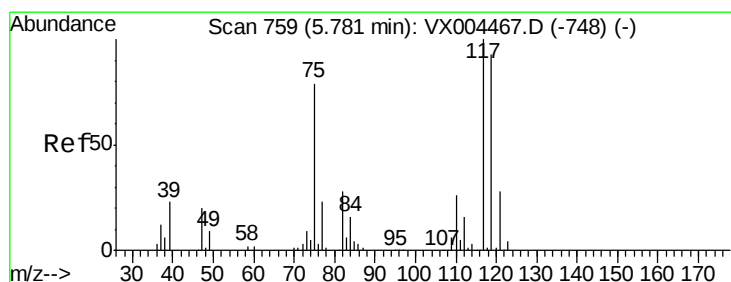
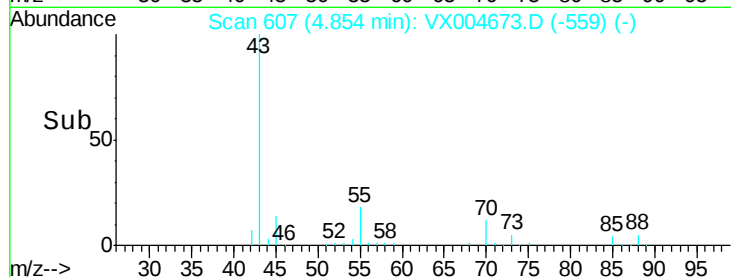
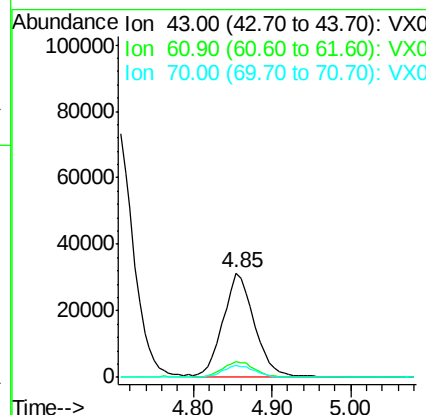
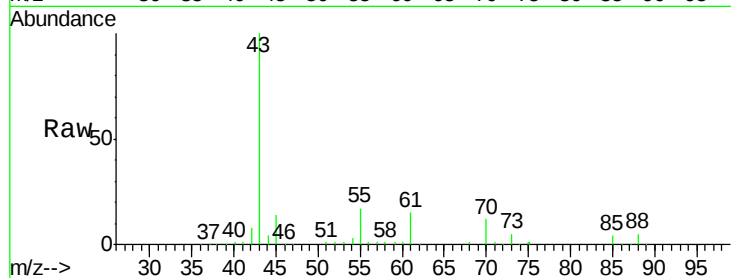
#37
Ethyl Acetate
Concen: 17.82 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.5	17.3
70	11.7	9.0	13.6

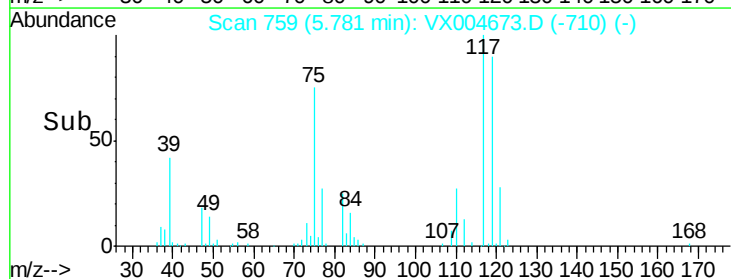
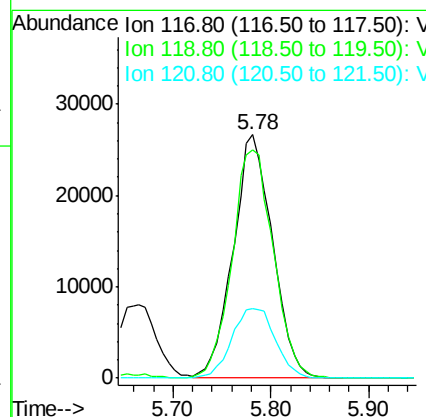
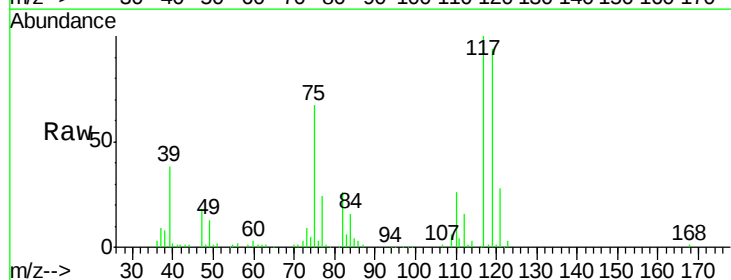
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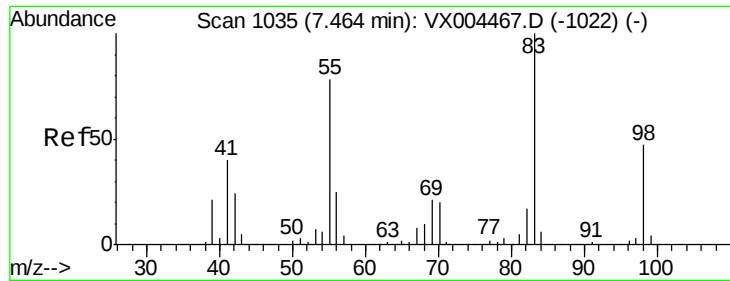
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#38
Carbon Tetrachloride
Concen: 17.90 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	78.8	118.2
121	28.4	24.9	37.3





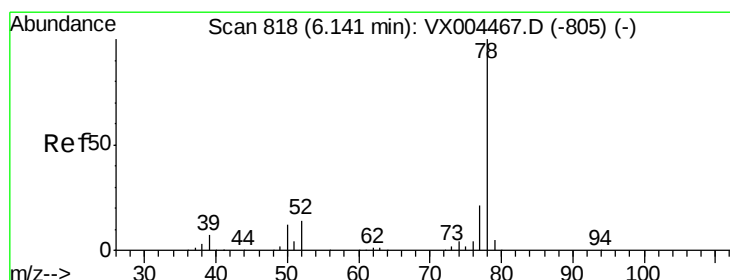
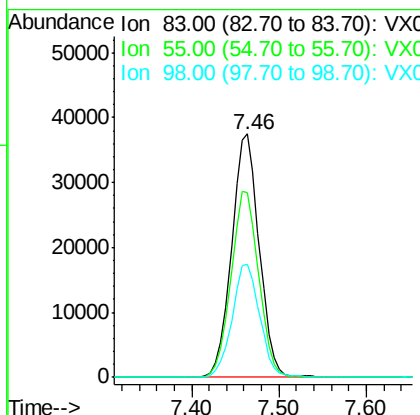
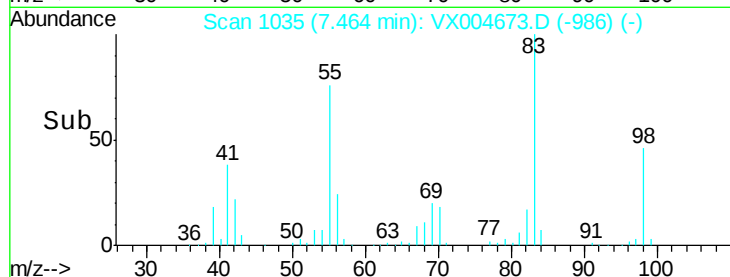
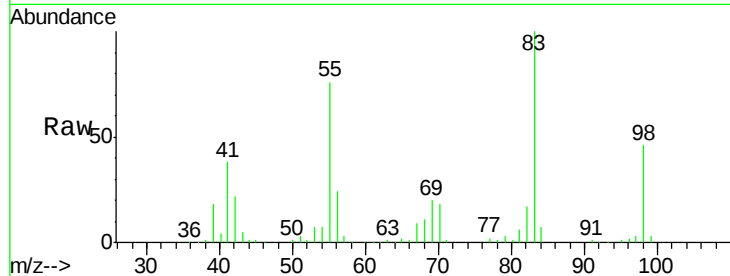
#39
Methvlcvclohexane
Concen: 18.42 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.9	61.0	91.4
98	46.3	39.6	59.4

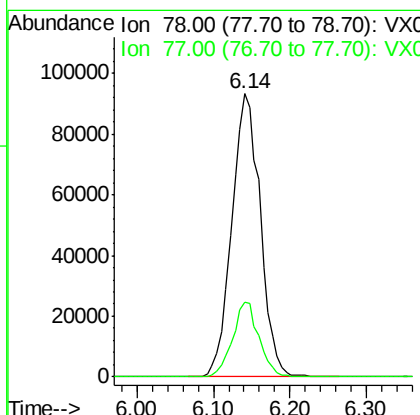
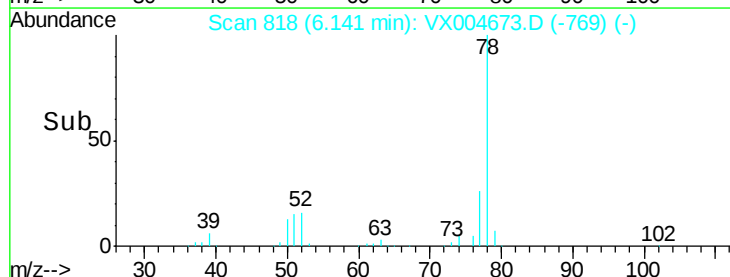
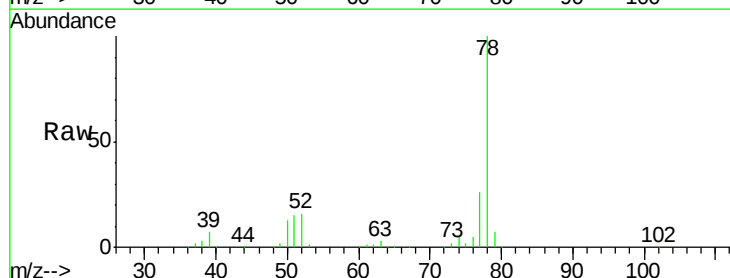
Manual Integrations
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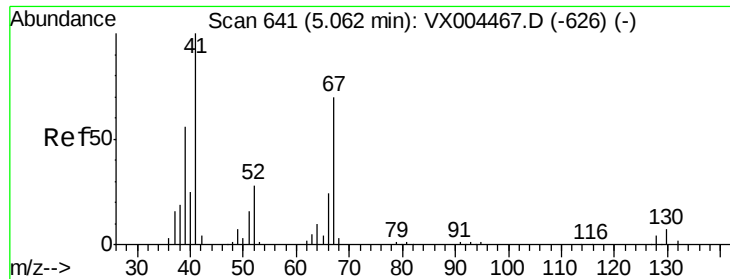
MMDadoda
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#40
Benzene
Concen: 18.95 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.4	19.0	28.4





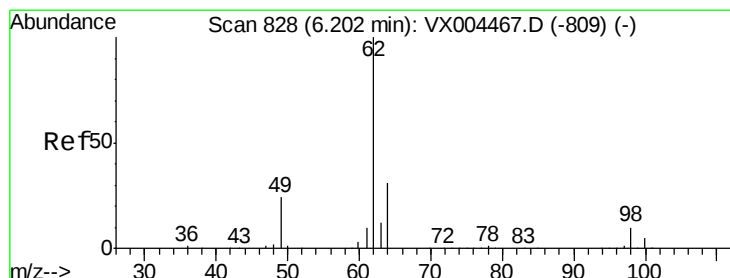
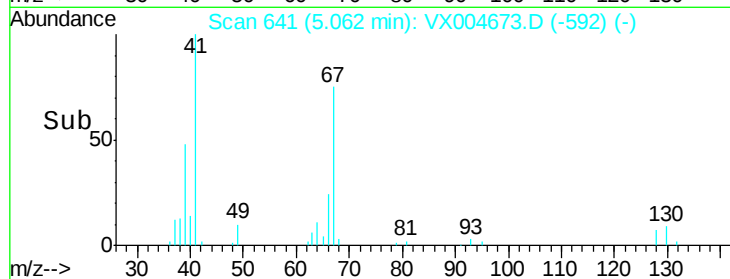
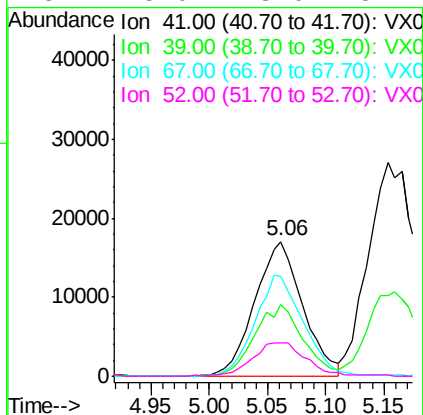
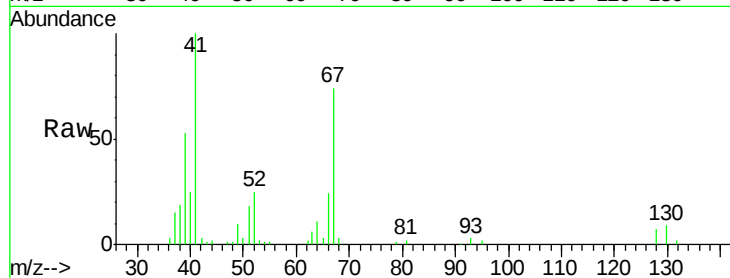
#41
Methacrylonitrile
Concen: 18.28 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.6	42.4	63.6	
67	76.1	59.2	88.8	
52	28.0	23.0	34.4	

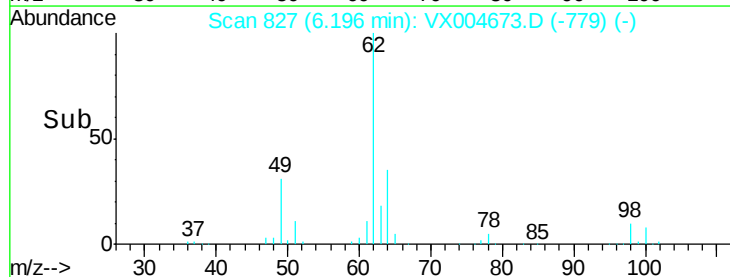
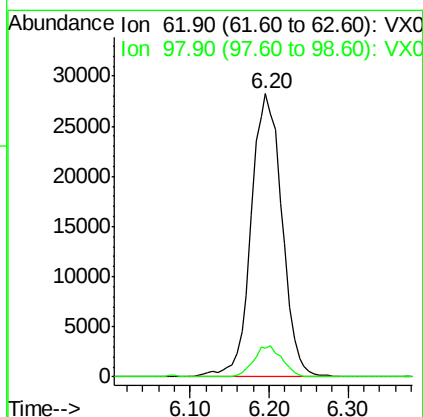
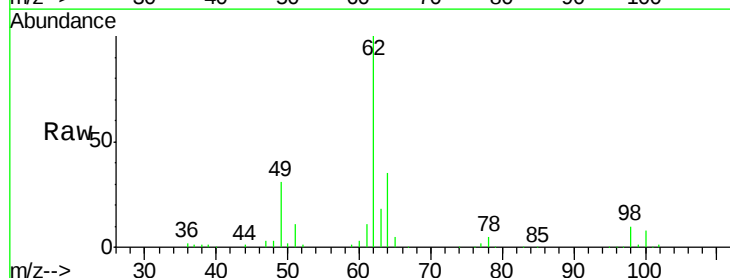
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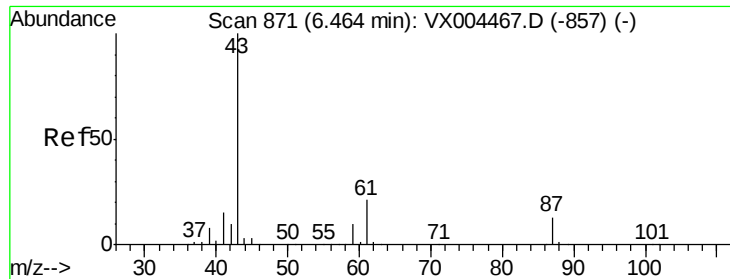
MMDadoda
9/19/2018 12:51:30 PM



#42
1,2-Dichloroethane
Concen: 18.31 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.01 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.6	





#43

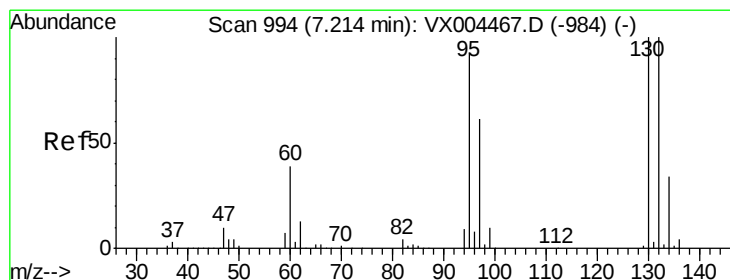
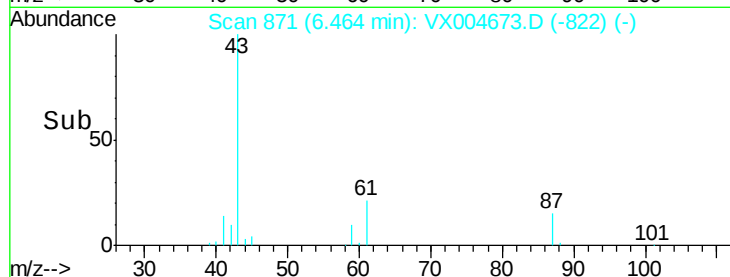
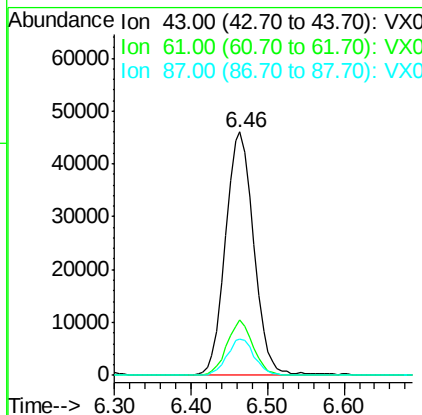
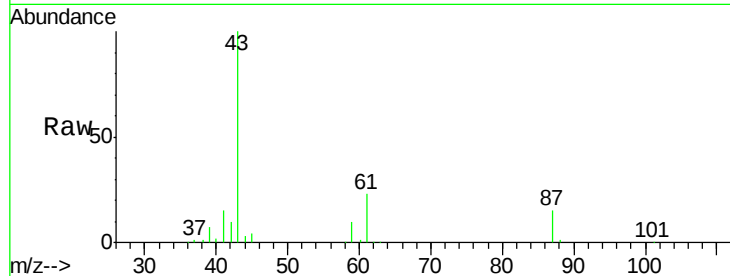
Isopropyl Acetate
 Concen: 18.36 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: VX004673.D
 Acq: 18 Sep 2018 22:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	17.0	25.4
87	14.3	11.4	17.2

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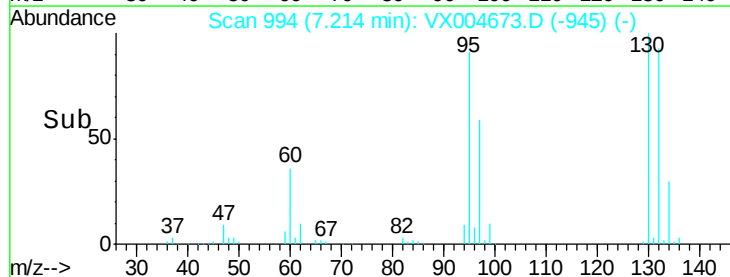
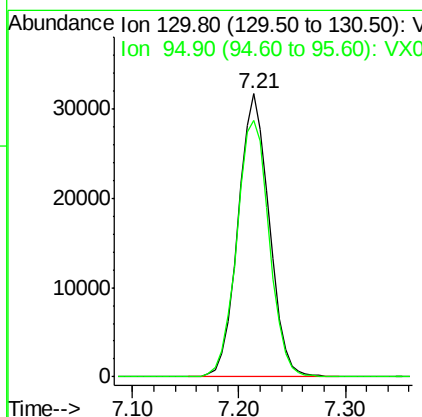
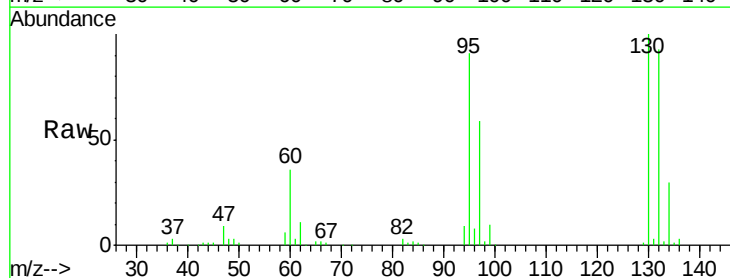
MMDadoda
 9/19/2018 12:51:30 PM

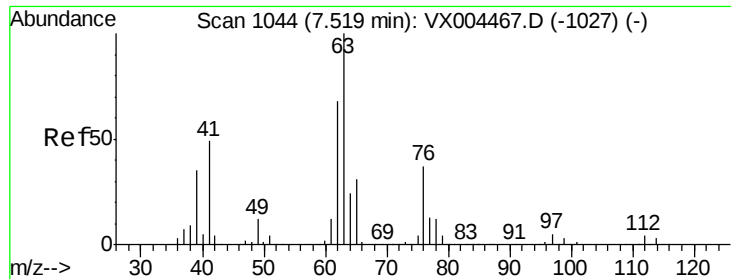


#44

Trichloroethene
 Concen: 19.85 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX004673.D
 Acq: 18 Sep 2018 22:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.8	0.0	181.6





#45

1,2-Dichloropropane

Concen: 19.03 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS02

Tot Ion: 63 Resp: 57920

Ion Ratio Lower Upper

63 100

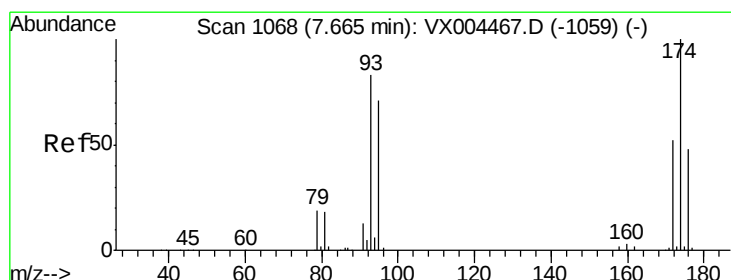
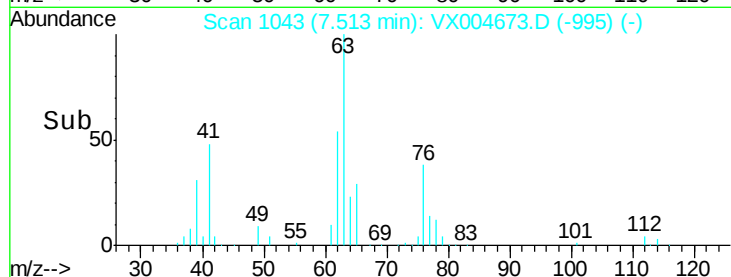
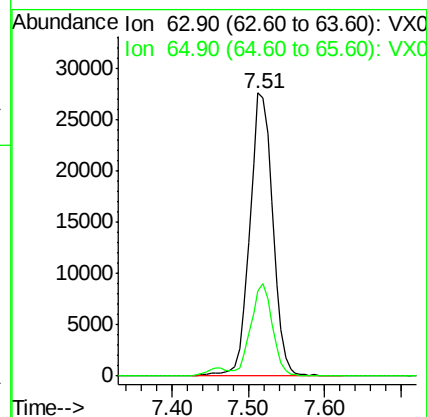
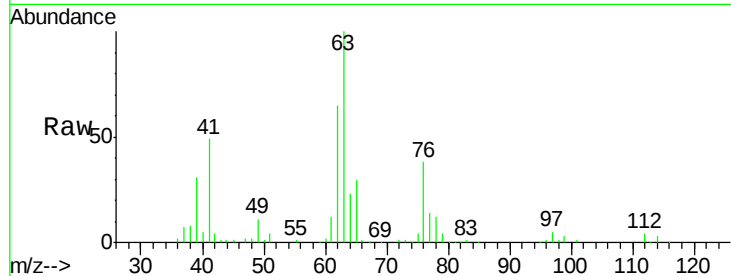
65 30.2 24.3 36.5

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#46

Dibromomethane

Concen: 18.83 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

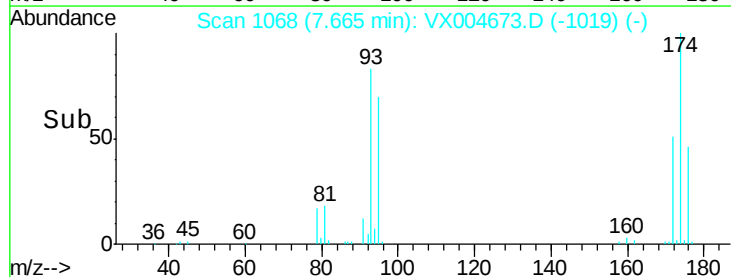
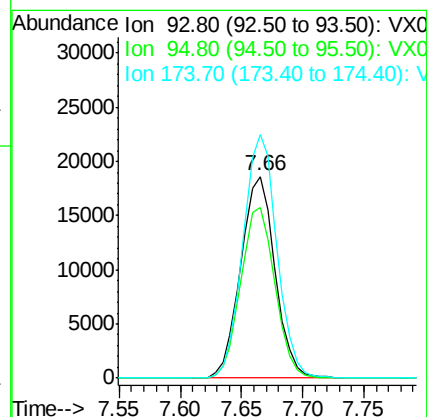
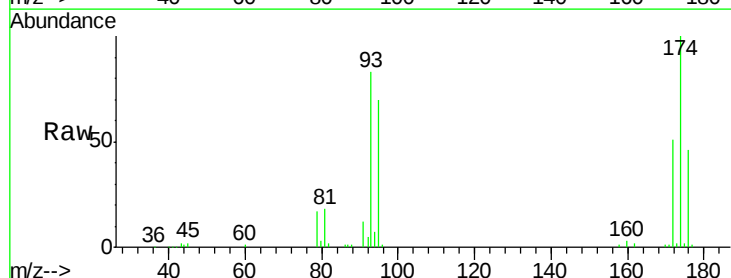
Tgt Ion: 93 Resp: 36193

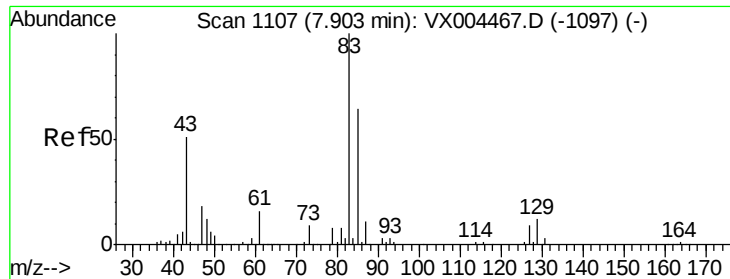
Ion Ratio Lower Upper

93 100

95 84.4 65.5 98.3

174 119.7 94.2 141.4





#47

Bromodichloromethane

Concen: 18.57 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Instrument :

MSVOA_X

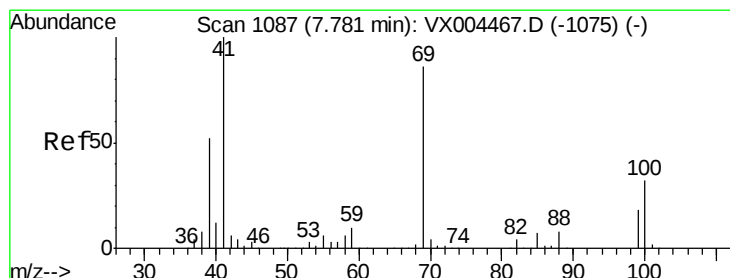
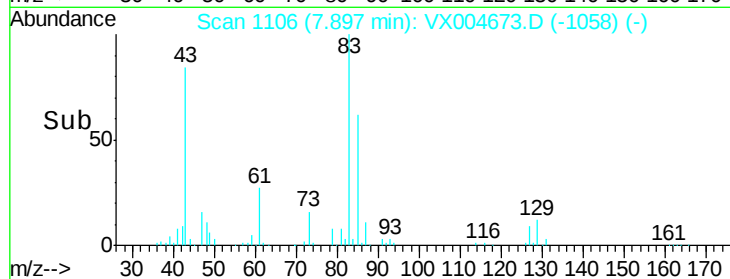
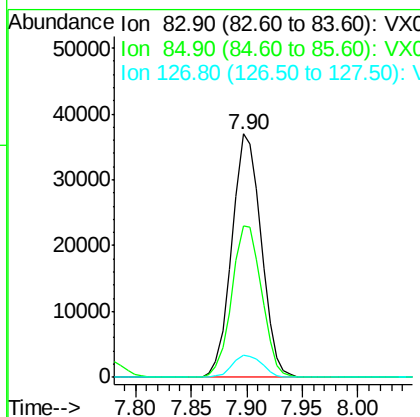
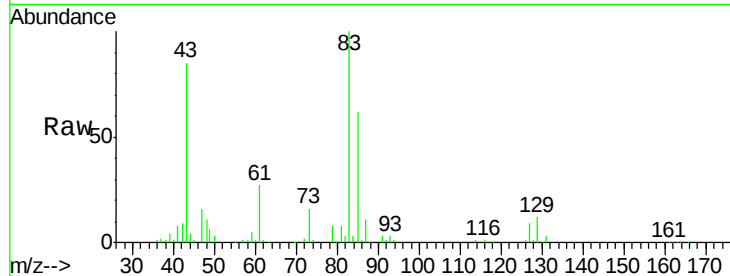
ClientSampleId :

VX0918WBS02

Tot Ion:	83	Resp:	67509
Ion Ratio	Lower	Upper	
83	100		
85	62.3	50.9	76.3
127	9.0	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.49 ug/l

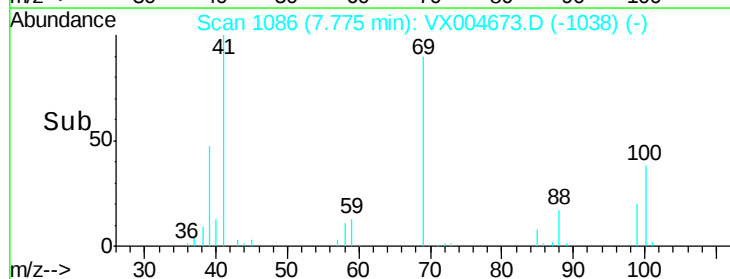
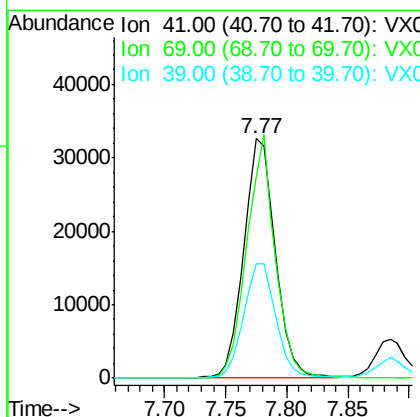
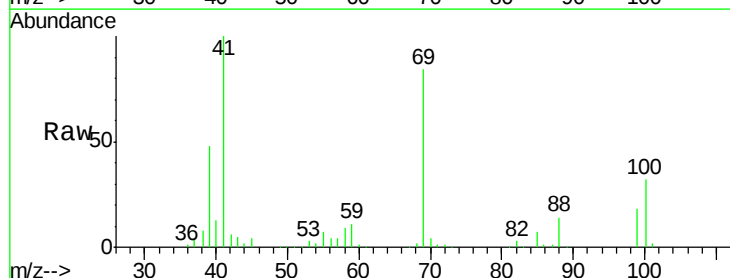
RT: 7.77 min Scan# 1086

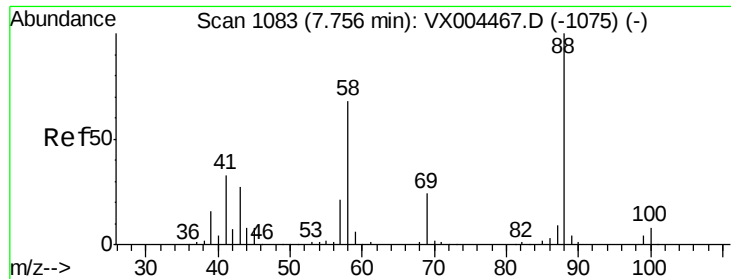
Delta R.T. -0.01 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Tgt Ion:	41	Resp:	58933
Ion Ratio	Lower	Upper	
41	100		
69	91.8	70.2	105.4
39	48.9	42.7	64.1





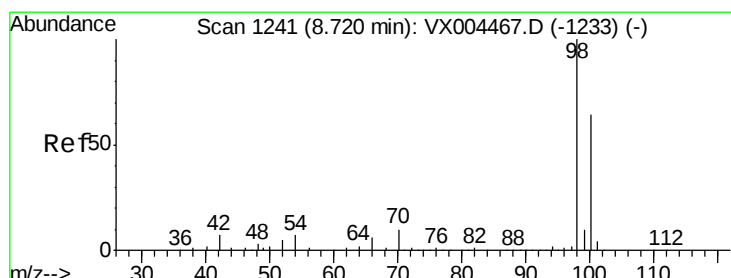
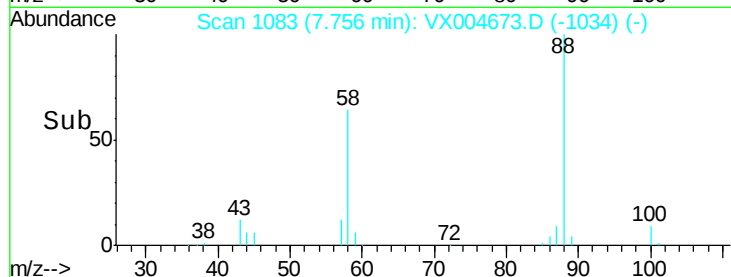
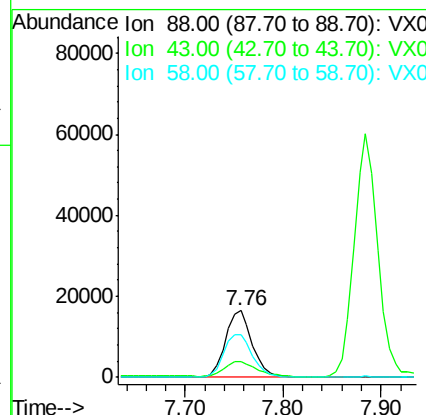
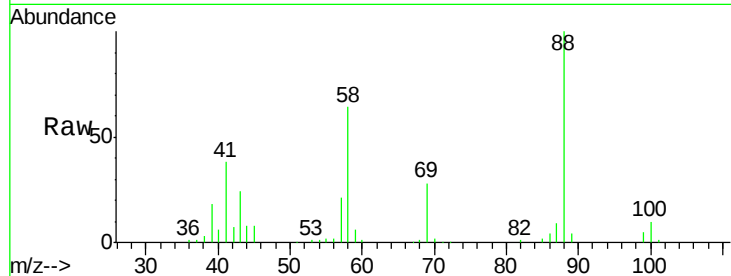
#49
1,4-Dioxane
Concen: 412.53 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.4	24.7	37.1
58	70.0	55.3	82.9

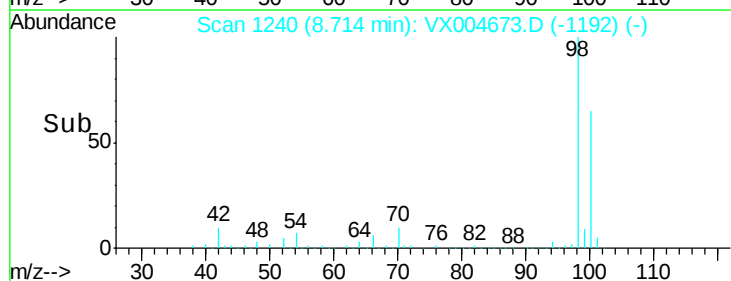
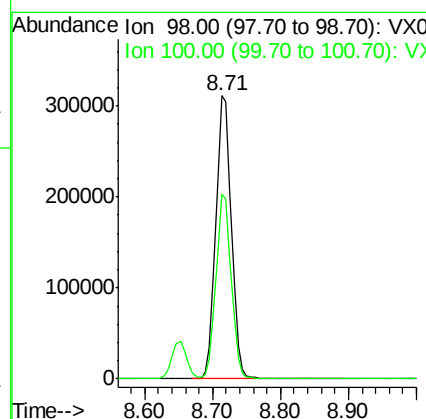
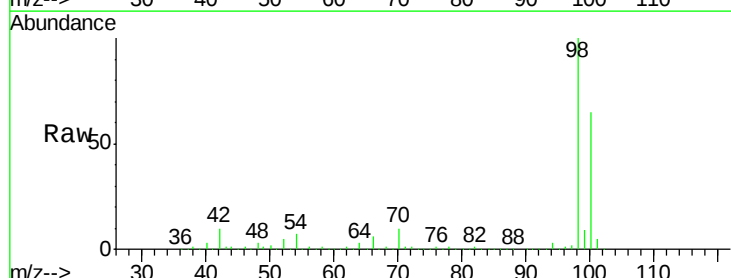
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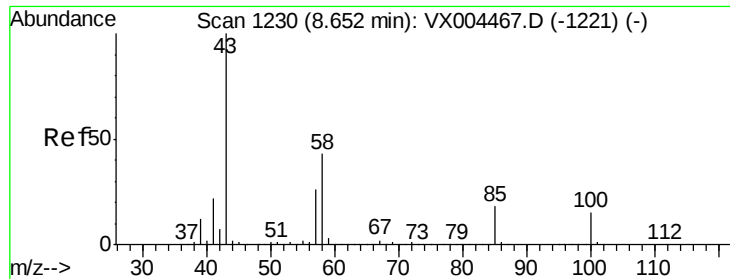
MMDadoda
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#50
Toluene-d8
Concen: 45.97 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.9	79.3





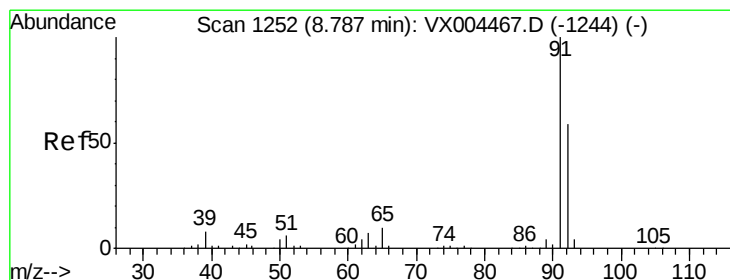
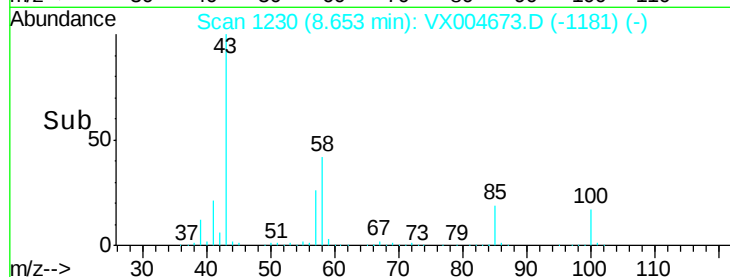
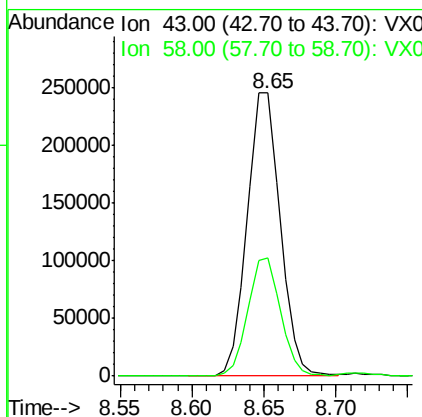
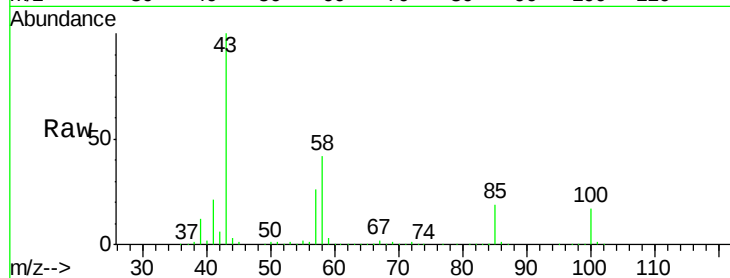
#51
4-Methyl-2-Pentanone
Concen: 85.76 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Instrument :
MSVOA_X
ClientSampled :
VX0918WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.2	33.1	49.7

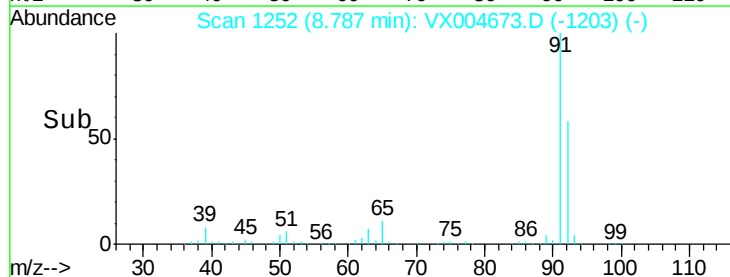
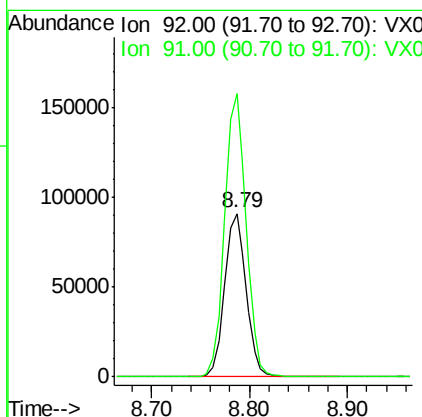
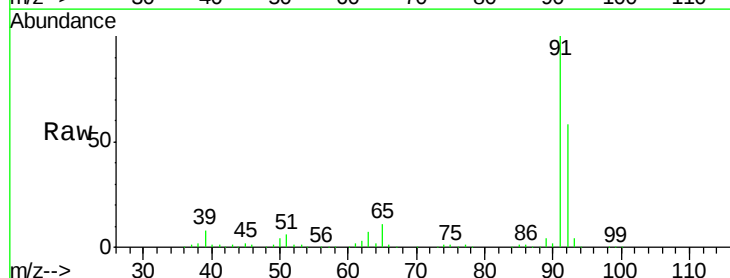
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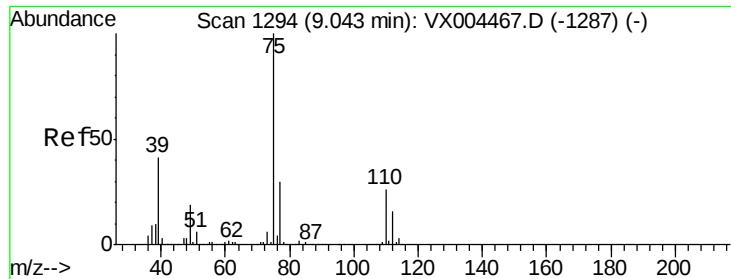
MMDadoda
9/19/2018 12:51:30 PM



#52
Toluene
Concen: 18.59 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.3	136.4	204.6





#53

t-1,3-Dichloropropene

Concen: 17.04 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Instrument :

MSVOA_X

ClientSampled :

VX0918WBS02

Tot Ion: 75 Resp: 72369

Ion Ratio Lower Upper

75 100

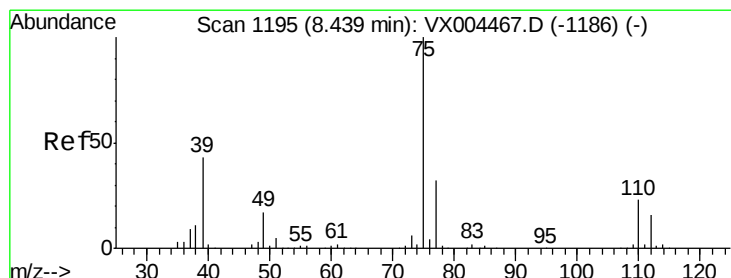
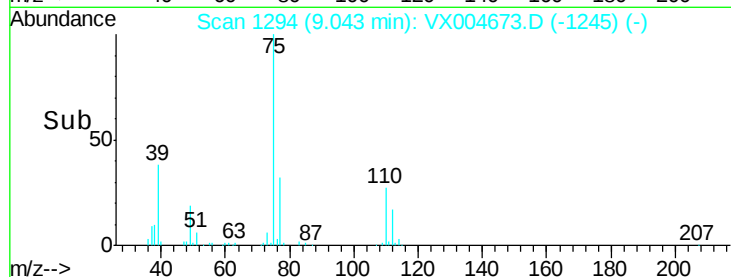
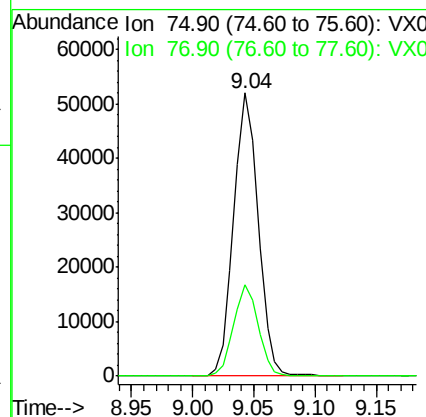
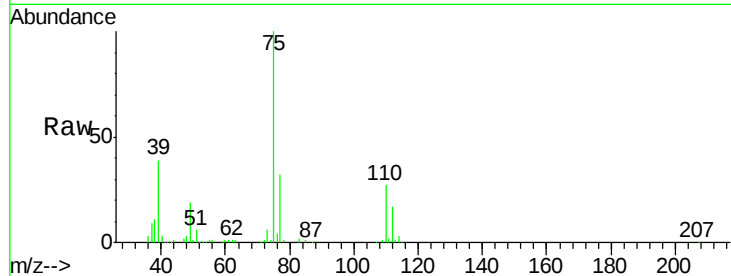
77 32.4 24.6 37.0

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#54

cis-1,3-Dichloropropene

Concen: 18.88 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.00 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

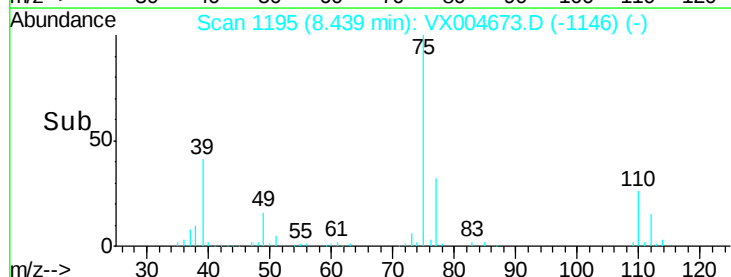
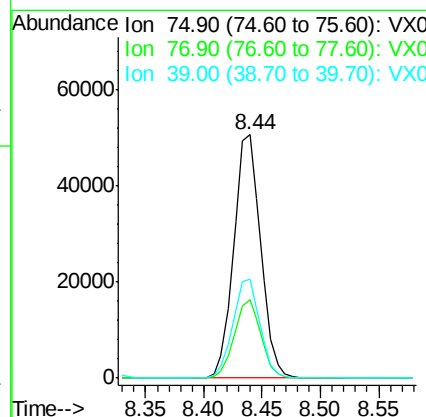
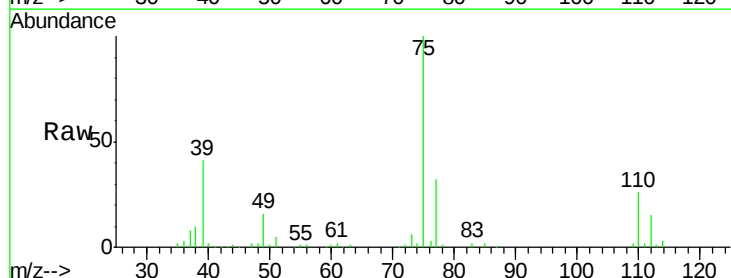
Tgt Ion: 75 Resp: 81759

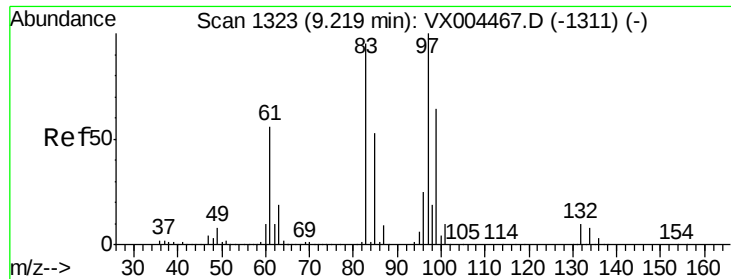
Ion Ratio Lower Upper

75 100

77 32.1 26.2 39.2

39 40.6 36.4 54.6





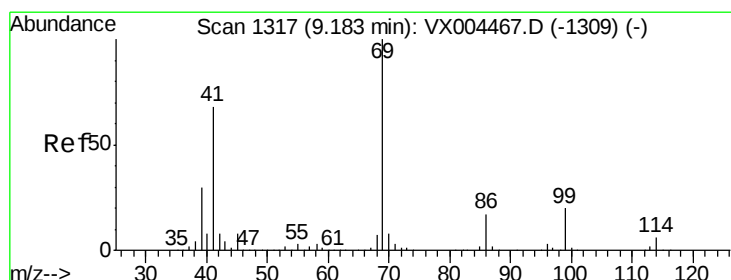
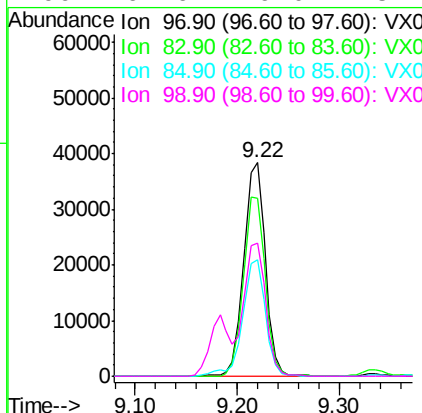
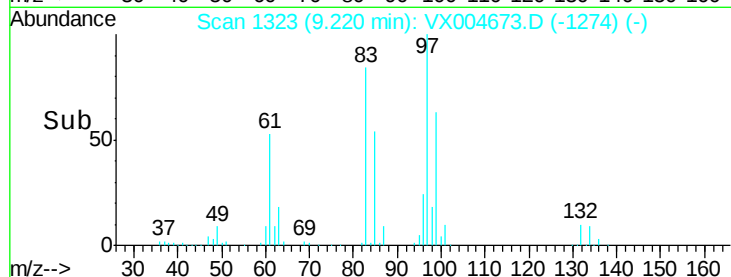
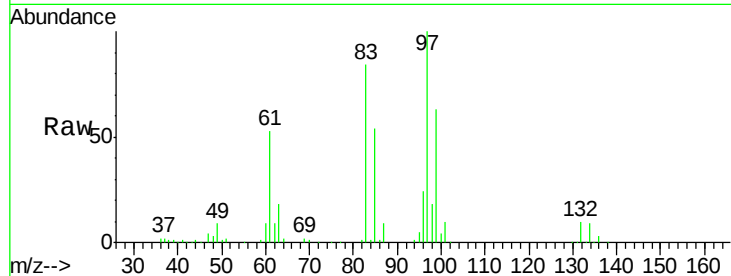
#55
 1,1,2-Trichloroethane
 Concen: 17.59 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004673.D
 Acq: 18 Sep 2018 22:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBS02

Tot Ion:	97	Resp:	56423
Ion	Ratio	Lower	Upper
97	100		
83	83.6	66.4	99.6
85	54.4	43.3	64.9
99	62.6	49.0	73.4

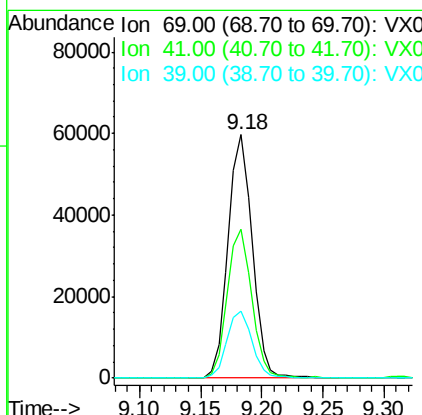
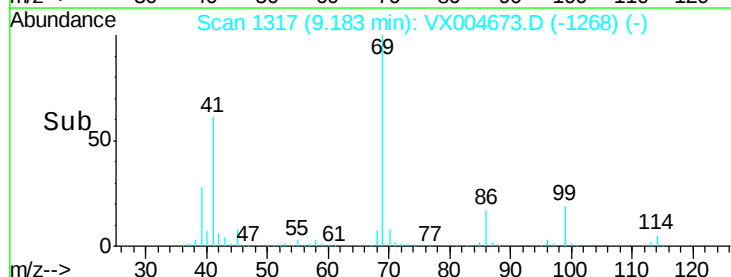
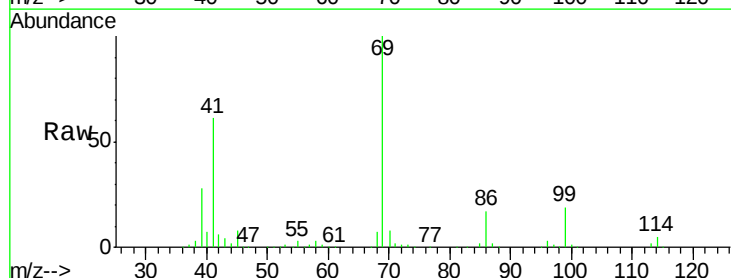
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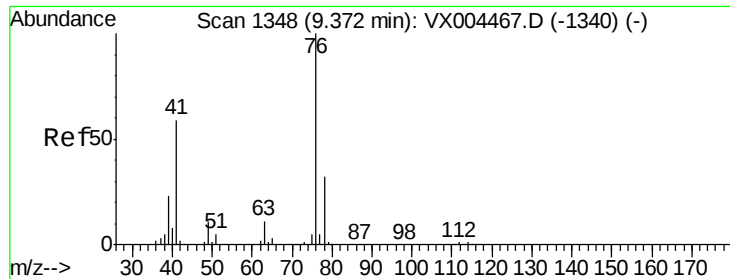
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 9/19/2018 12:51:30 PM



#56
 Ethyl methacrylate
 Concen: 18.06 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004673.D
 Acq: 18 Sep 2018 22:56

Tgt Ion:	69	Resp:	81950
Ion	Ratio	Lower	Upper
69	100		
41	61.5	51.0	76.4
39	28.6	26.1	39.1





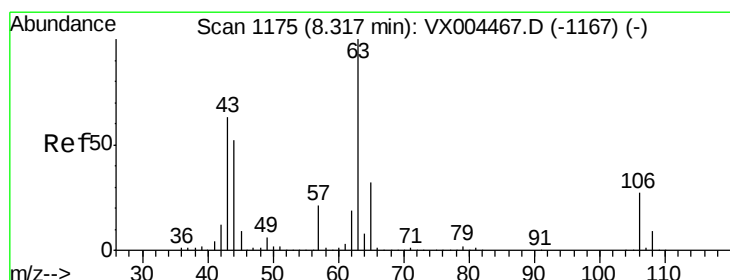
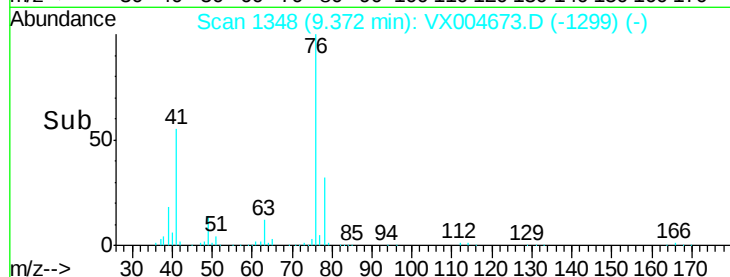
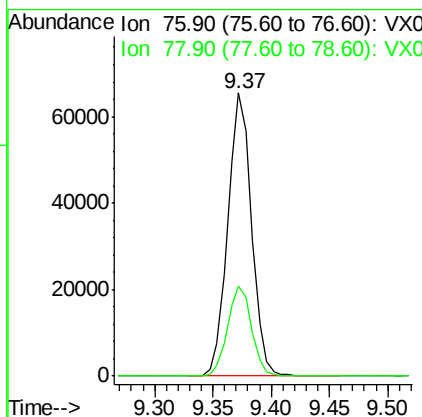
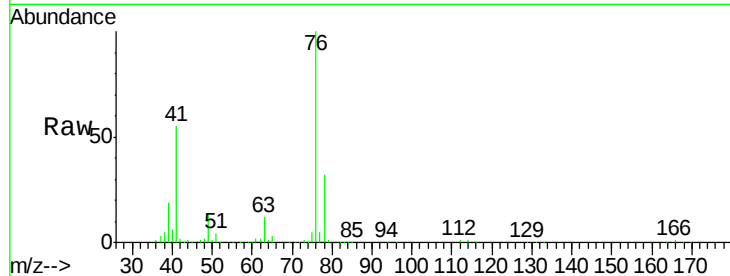
#57
 1,3-Dichloropropane
 Concen: 17.79 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX004673.D
 Acq: 18 Sep 2018 22:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBS02

Tot Ion: 76 Resp: 92739
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.5 38.3

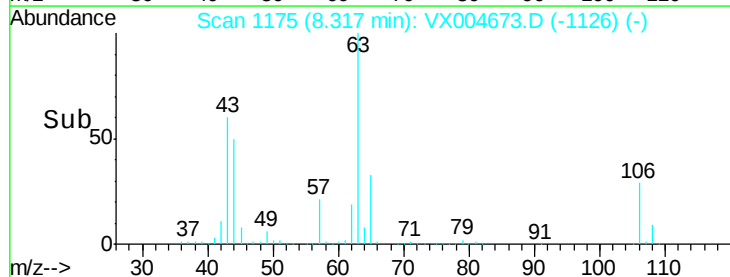
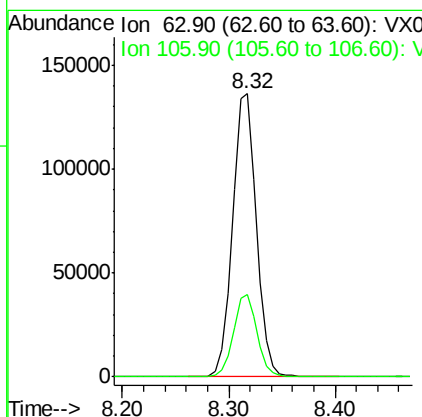
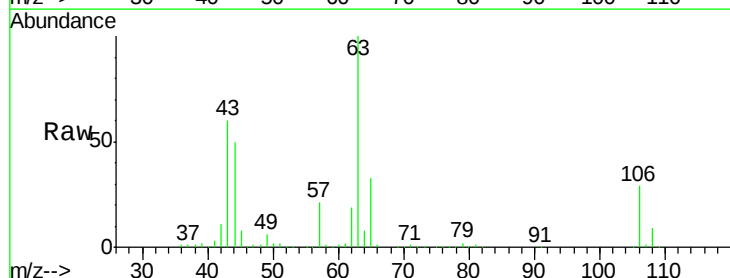
Manual Integrations
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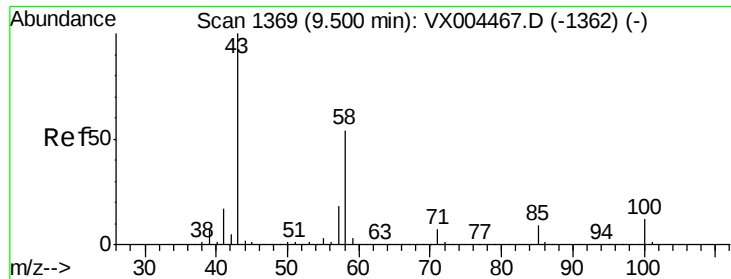
MMDadoda
 9/19/2018 12:51:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.12 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004673.D
 Acq: 18 Sep 2018 22:56

Tgt Ion: 63 Resp: 214000
 Ion Ratio Lower Upper
 63 100
 106 28.6 23.9 35.9





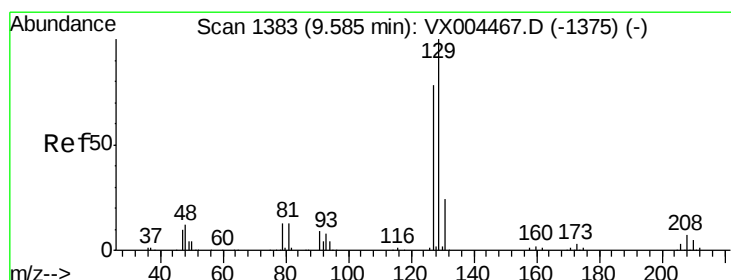
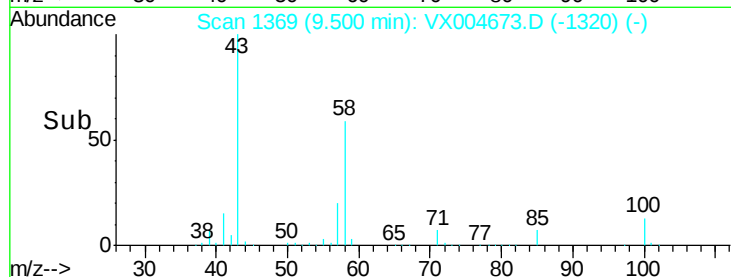
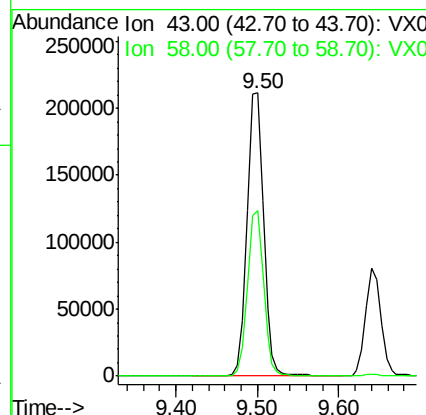
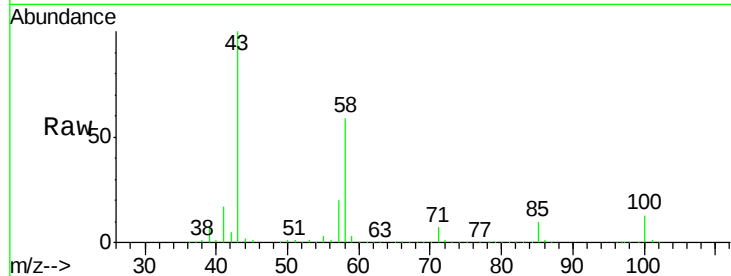
#59
2-Hexanone
Concen: 85.25 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS02

Tot Ion: 43 Resp: 297143
Ion Ratio Lower Upper
43 100
58 57.2 29.0 87.0

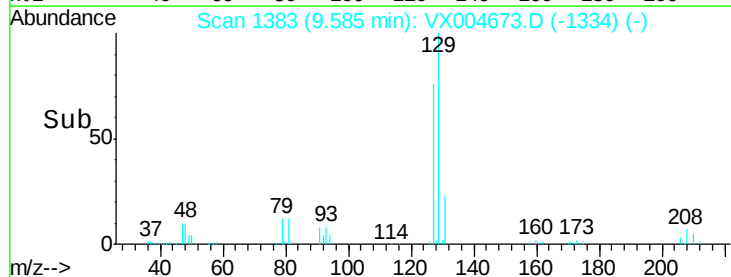
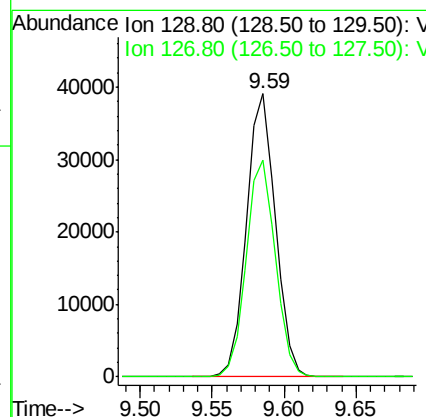
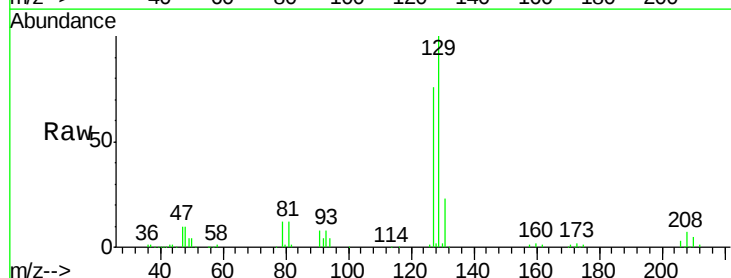
Manual Integrations
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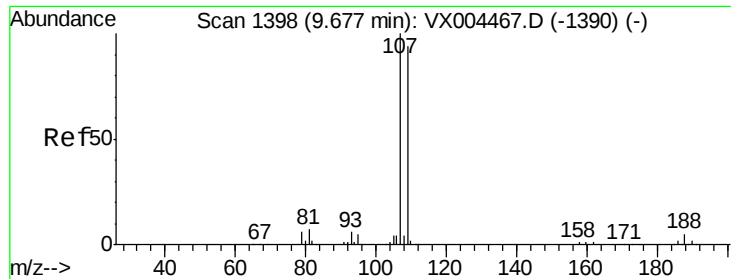
MMDadoda
9/19/2018 12:51:30 PM



#60
Dibromochloromethane
Concen: 17.97 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Tgt Ion: 129 Resp: 54278
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 18.91 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS02

Tot Ion:107 Resp: 57953

Ion Ratio Lower Upper

107 100

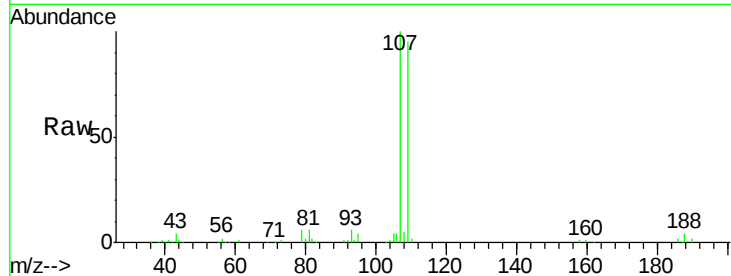
109 94.8 76.0 114.0

Manual Integrations

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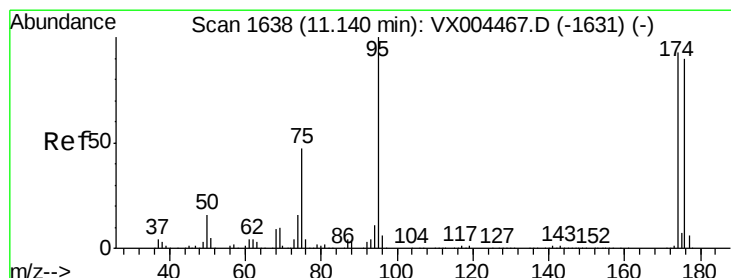
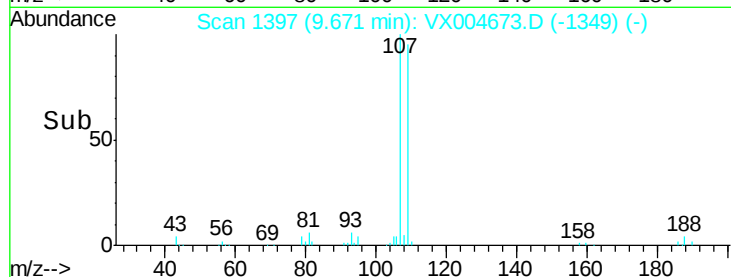
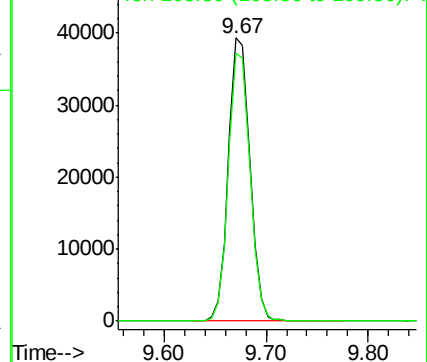
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.84 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

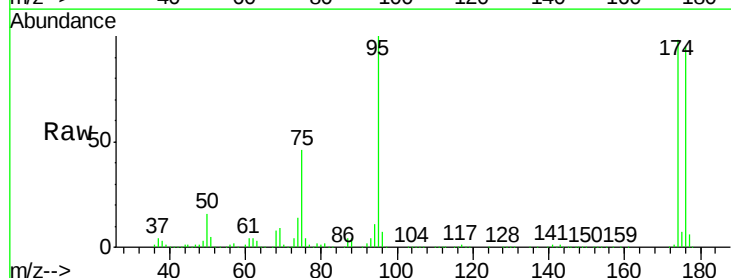
Tgt Ion: 95 Resp: 180151

Ion Ratio Lower Upper

95 100

174 93.9 0.0 185.2

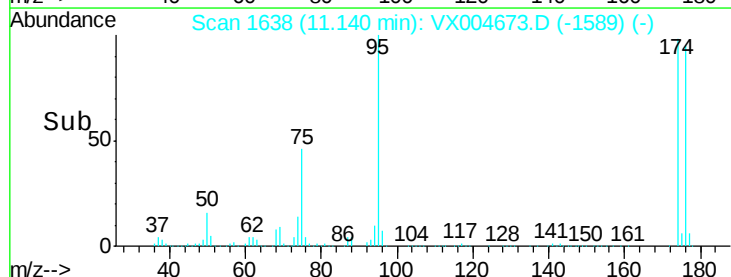
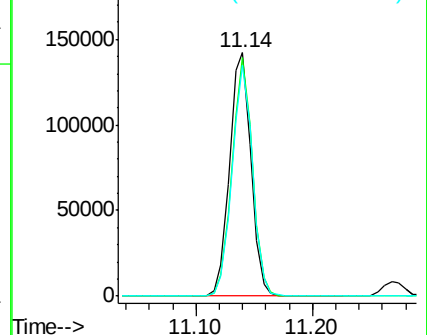
176 91.5 0.0 178.6

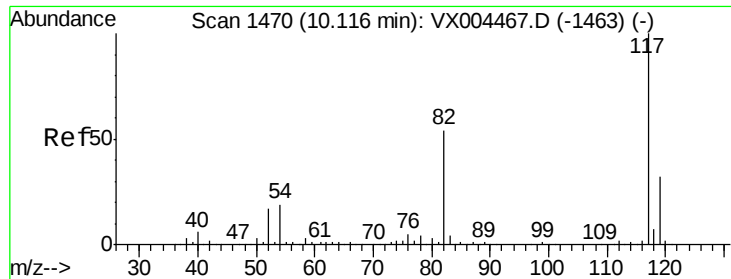


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS02

Tot Ion:117 Resp: 318464

Ion Ratio Lower Upper

117 100

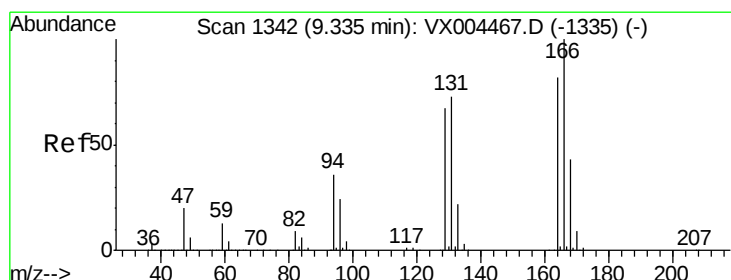
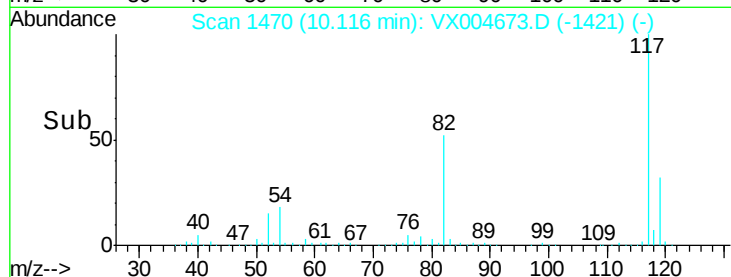
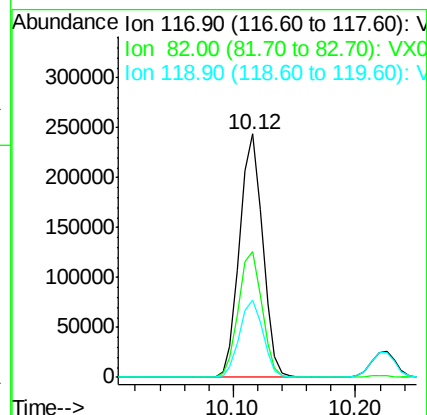
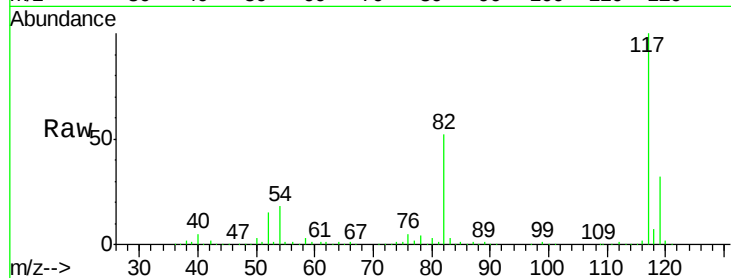
82 51.6 47.8 71.6

119 31.7 29.3 43.9

Manual Integrations
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#64

Tetrachloroethene

Concen: 19.91 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Tgt Ion:164 Resp: 79174

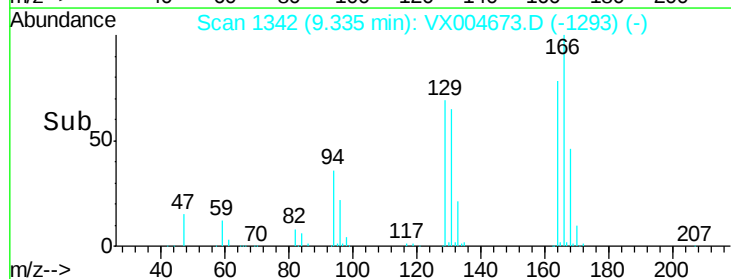
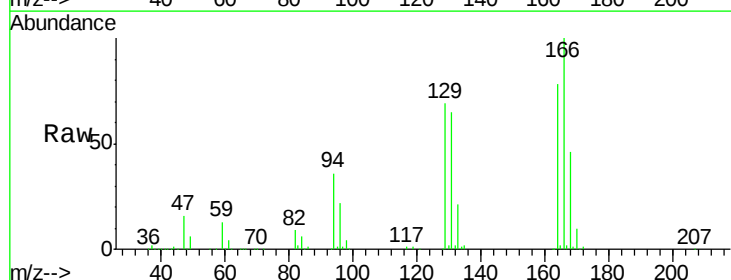
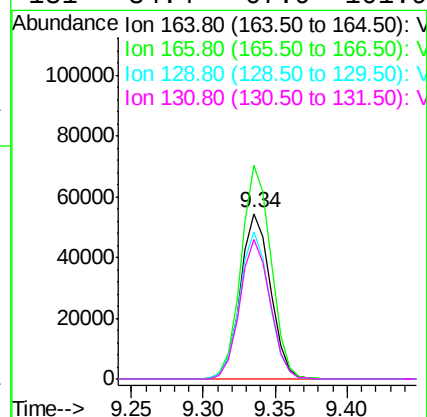
Ion Ratio Lower Upper

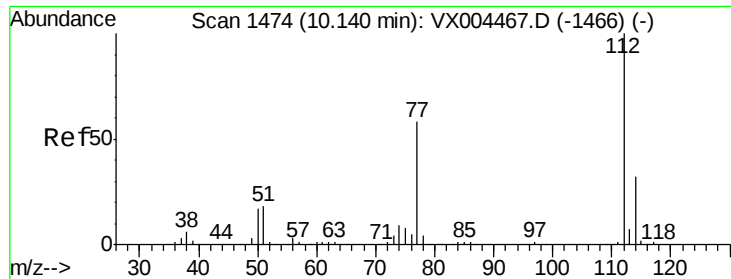
164 100

166 129.0 102.8 154.2

129 88.9 69.4 104.0

131 84.4 67.9 101.9





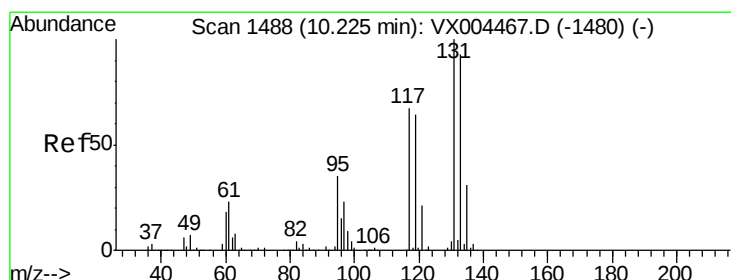
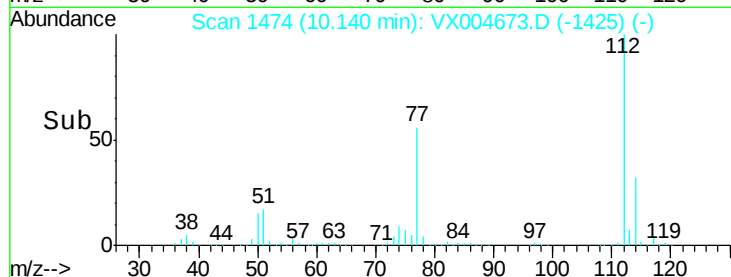
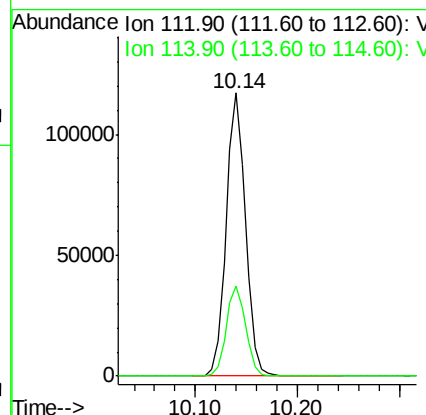
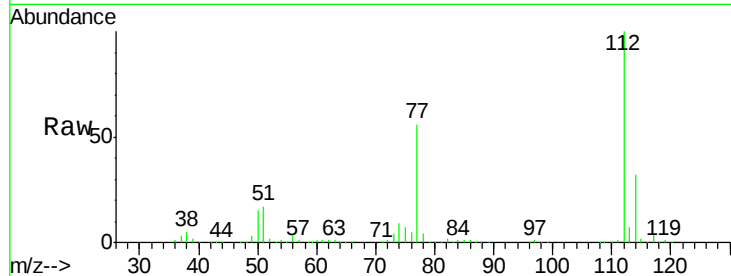
#65
Chlorobenzene
Concen: 19.58 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS02

Tot Ion:112 Resp: 154878
Ion Ratio Lower Upper
112 100
114 31.9 27.8 41.8

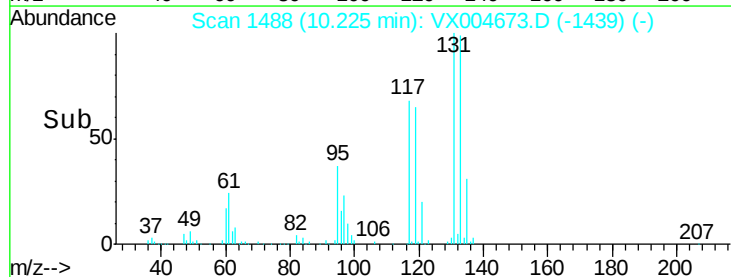
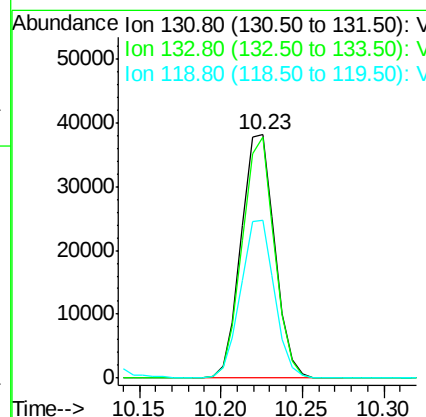
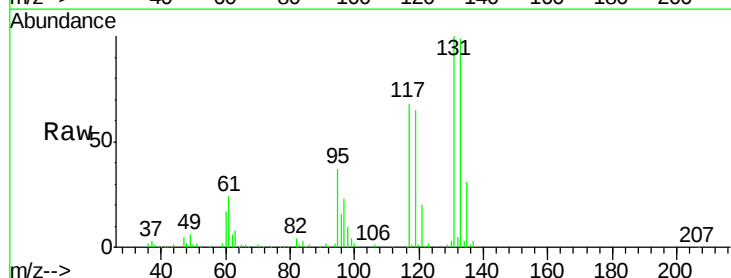
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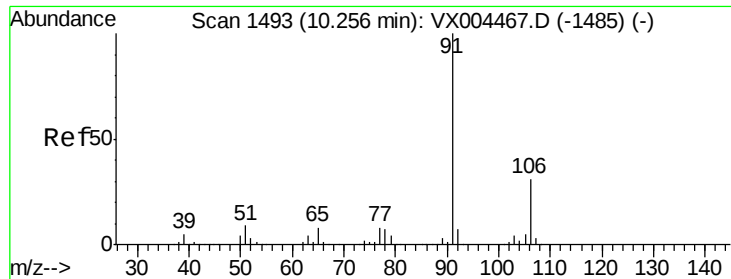
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.06 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Tgt Ion:131 Resp: 54730
Ion Ratio Lower Upper
131 100
133 95.0 48.1 144.4
119 65.1 32.9 98.6





#67

Ethyl Benzene

Concen: 20.00 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS02

Tot Ion: 91 Resp: 257257

Ion Ratio Lower Upper

91 100

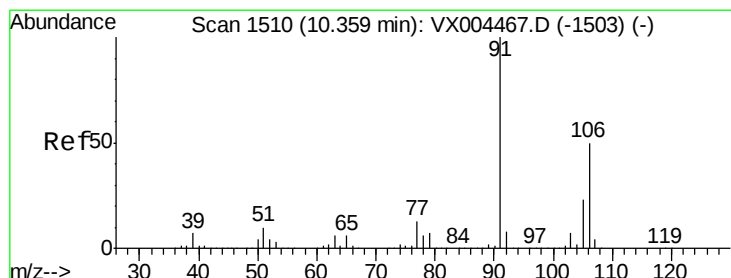
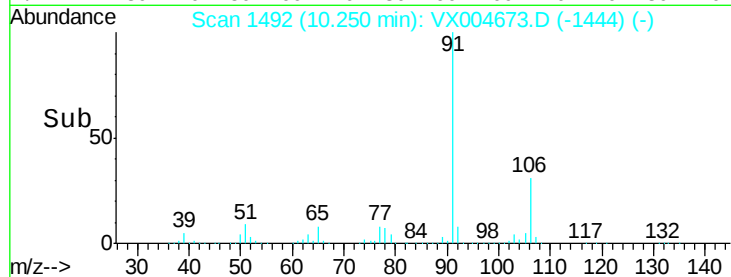
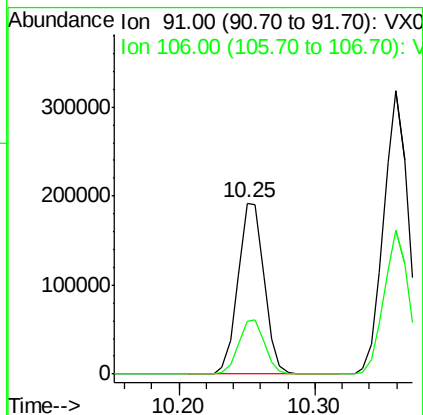
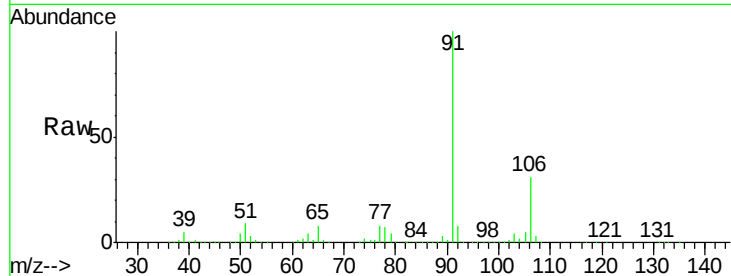
106 31.2 25.9 38.9

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#68

m/p-Xylenes

Concen: 41.29 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX004673.D

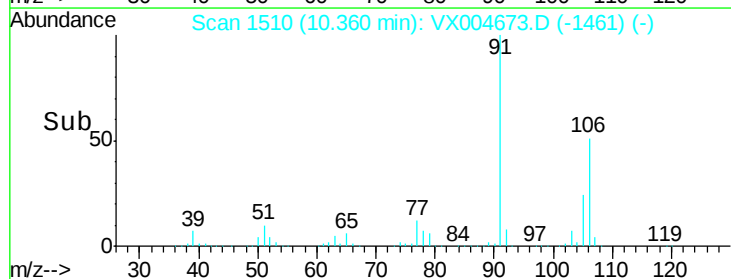
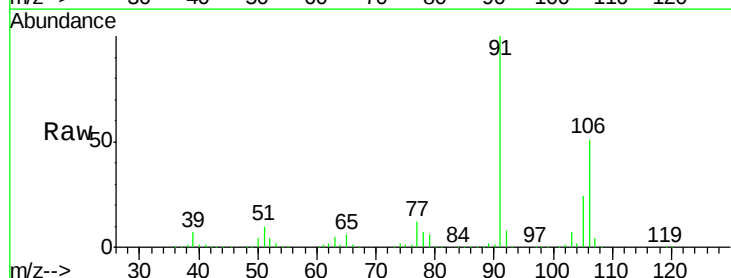
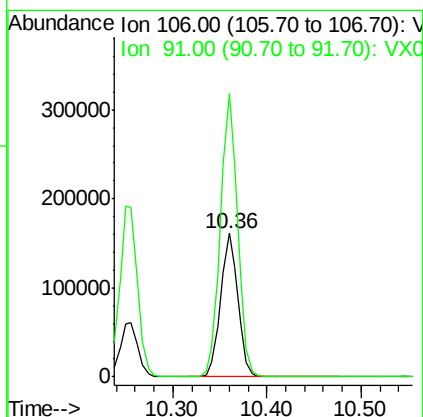
Acq: 18 Sep 2018 22:56

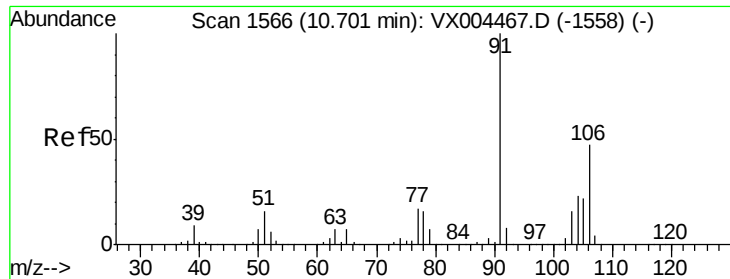
Tgt Ion: 106 Resp: 204569

Ion Ratio Lower Upper

106 100

91 197.1 157.1 235.7





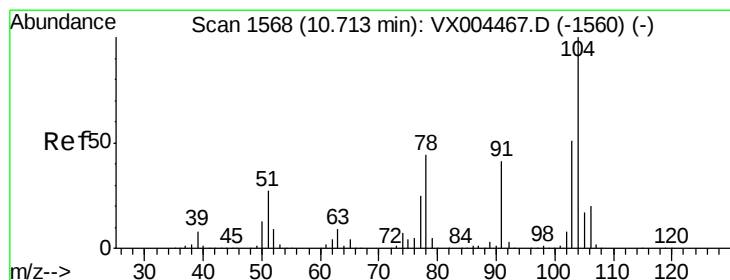
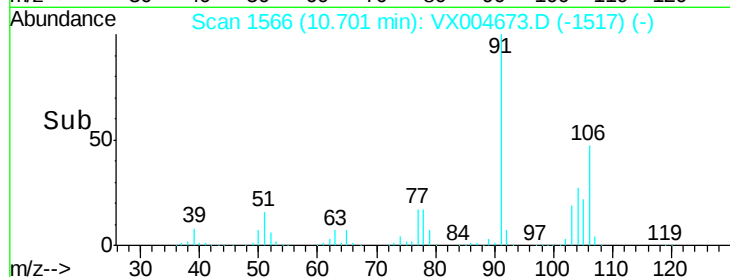
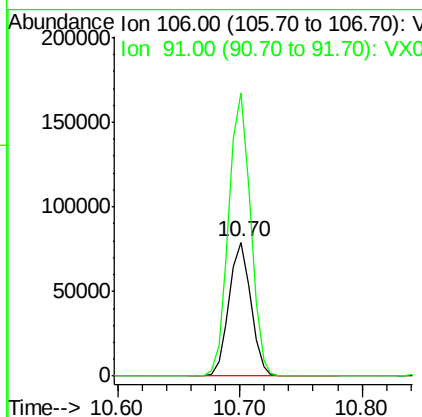
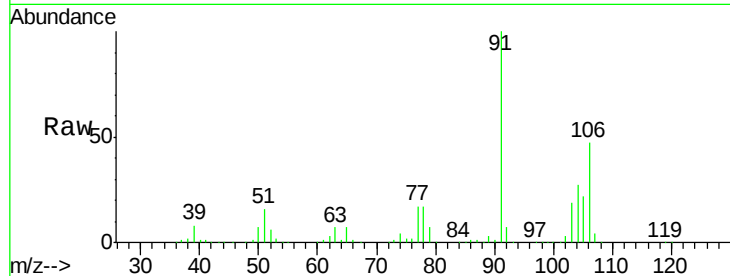
#69
o-Xylene
Concen: 20.41 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS02

Tot Ion:106 Resp: 97244
Ion Ratio Lower Upper
106 100
91 213.1 105.1 315.1

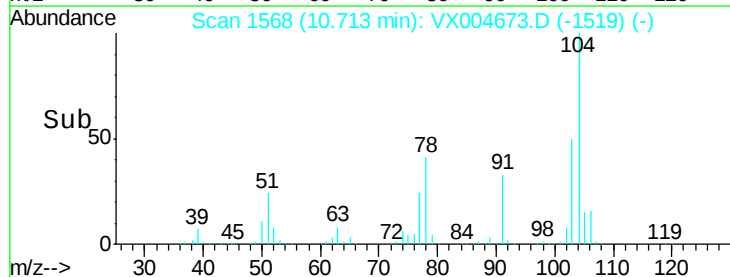
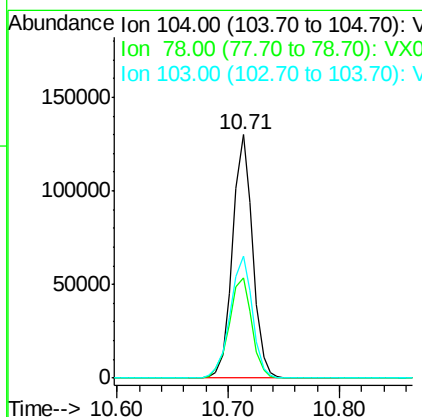
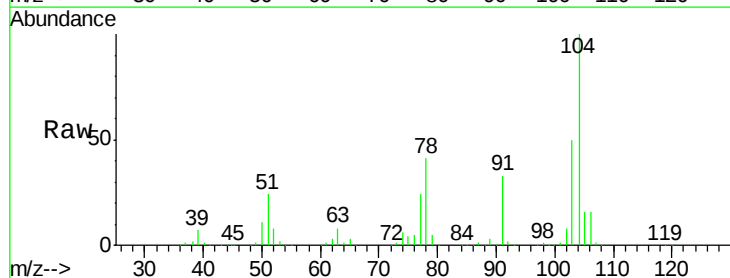
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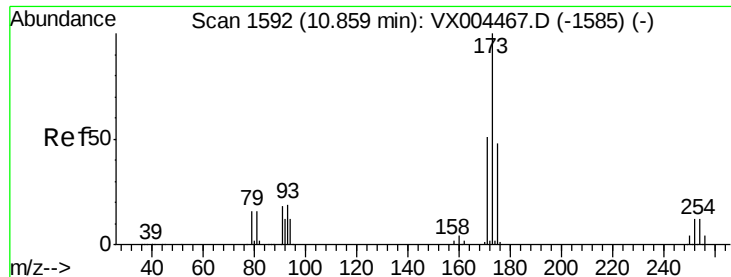
MMDadoda
9/19/2018 12:51:30 PM



#70
Styrene
Concen: 20.56 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Tgt Ion:104 Resp: 162223
Ion Ratio Lower Upper
104 100
78 46.8 37.4 56.0
103 55.4 43.8 65.6





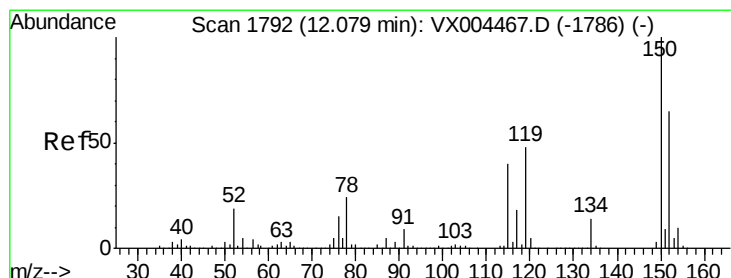
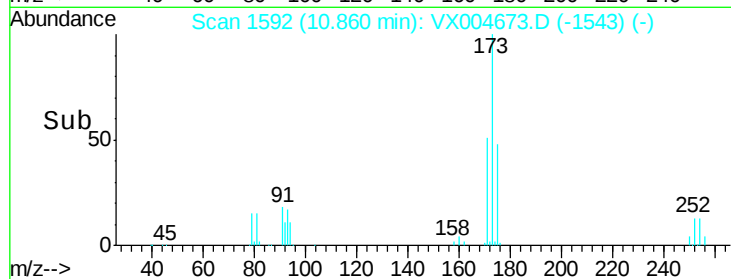
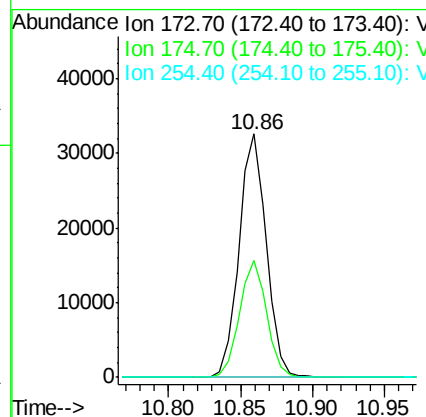
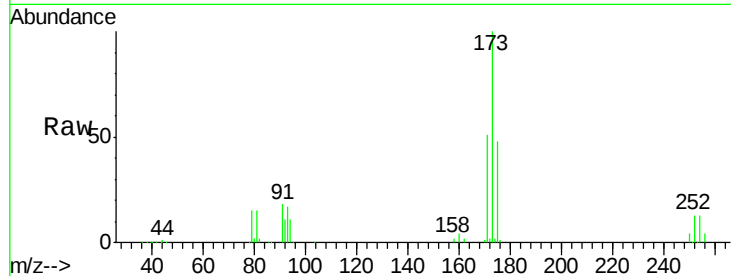
#71
Bromoform
Concen: 19.13 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.1	72.3
254	0.0	0.2	0.2

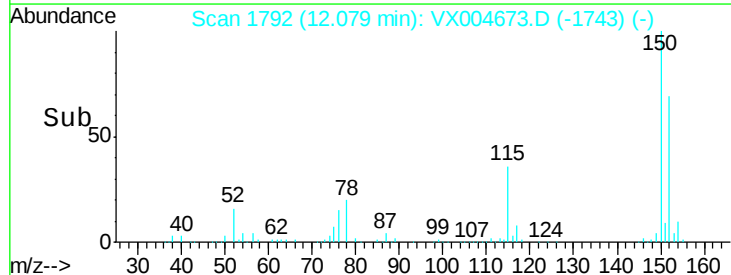
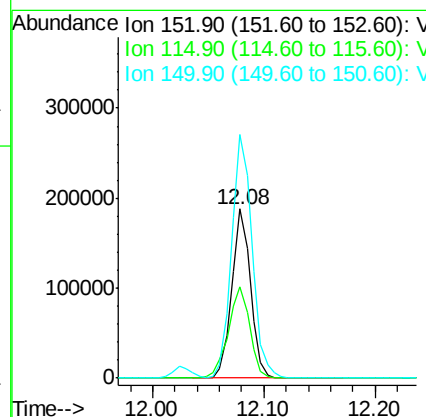
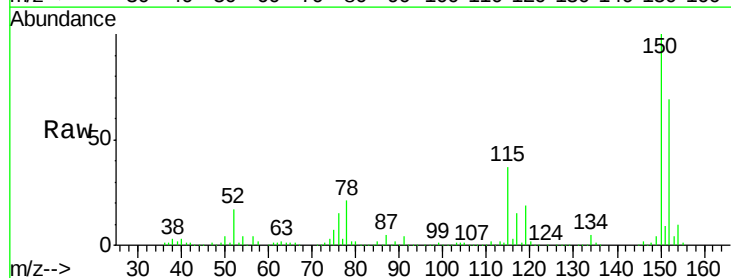
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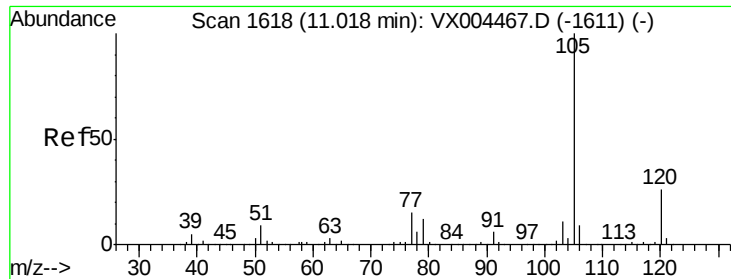
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.5	39.0	117.0
150	158.0	0.0	351.0





#73

Isopropylbenzene

Concen: 18.51 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS02

Tot Ion: 105 Resp: 265666

Ion Ratio Lower Upper

105 100

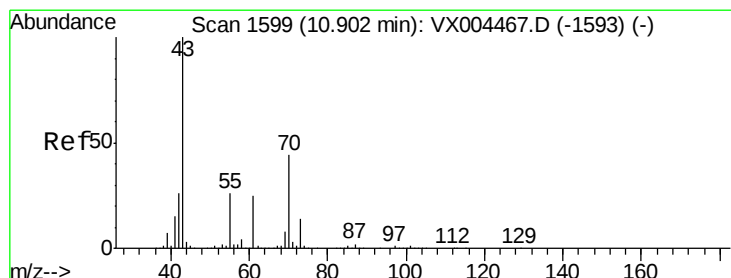
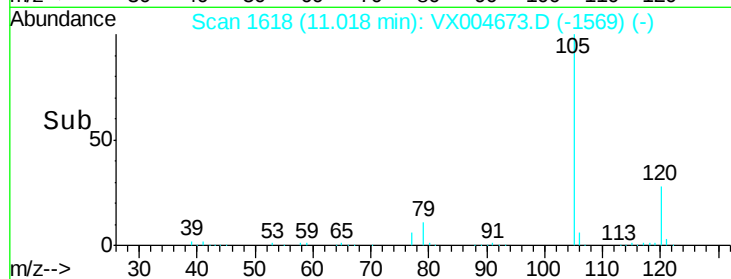
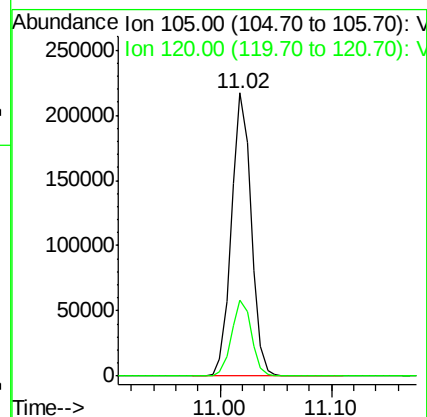
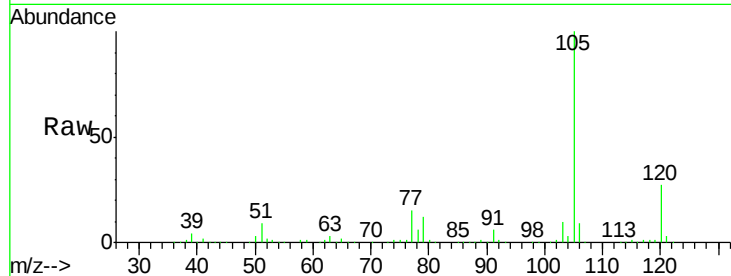
120 27.0 13.5 40.4

Manual Integrations

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9/19/2018 12:51:30 PM



#74

N-ethyl acetate

Concen: 16.72 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Tgt Ion: 43 Resp: 101053

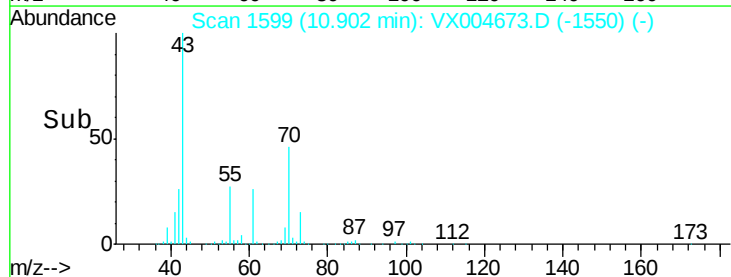
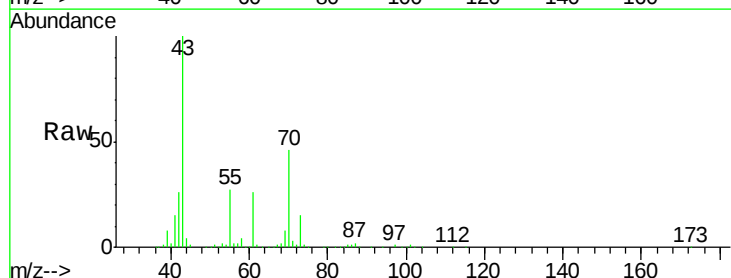
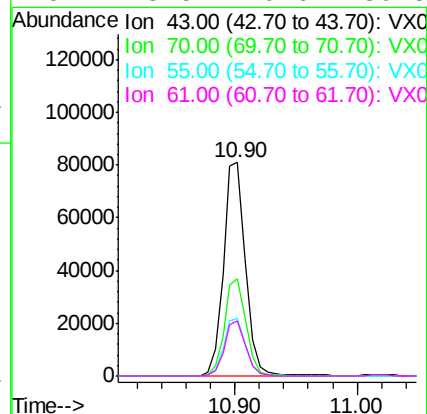
Ion Ratio Lower Upper

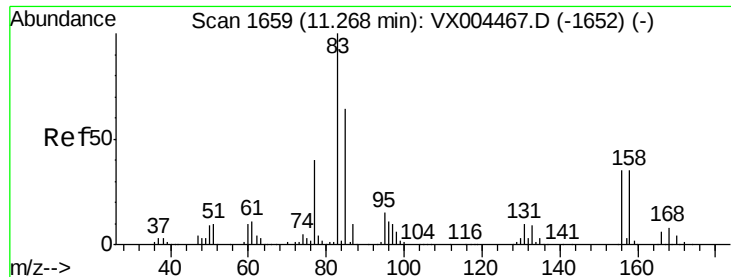
43 100

70 45.0 37.4 56.0

55 27.3 21.8 32.8

61 25.5 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 16.11 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Instrument :

MSVOA_X

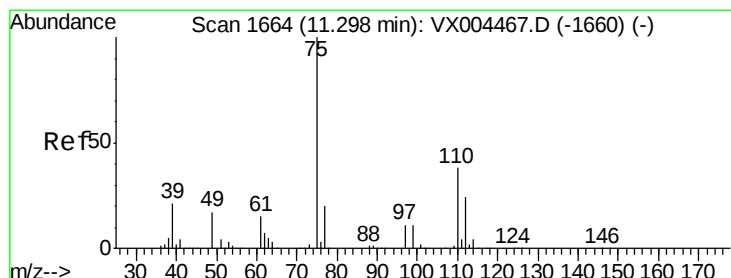
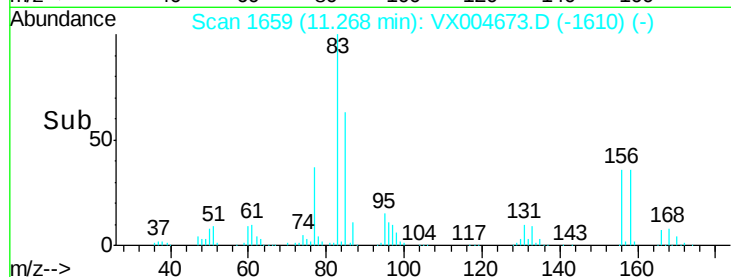
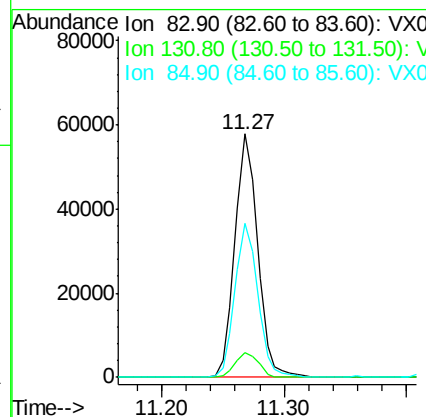
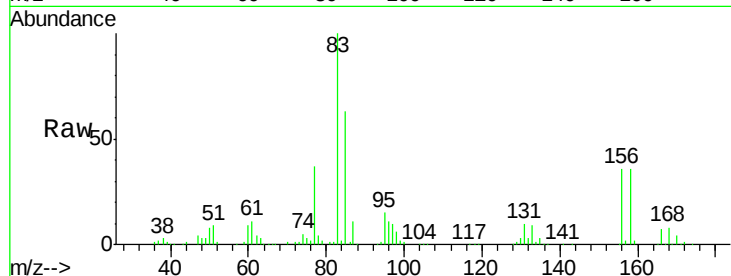
ClientSampleId :

VX0918WBS02

Tot Ion:	83	Resp:	74580
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	63.9	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.39 ug/l m

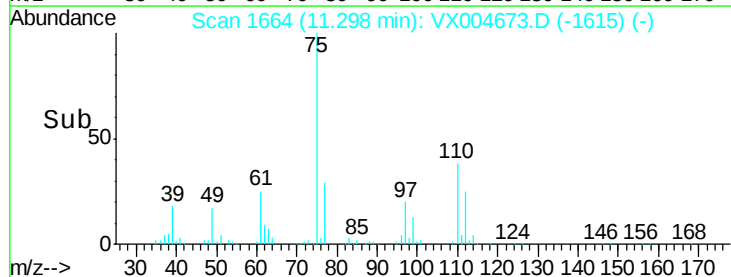
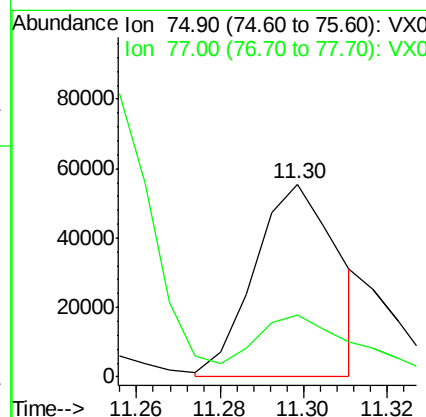
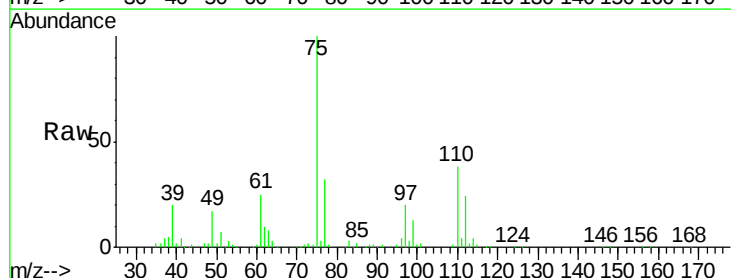
RT: 11.30 min Scan# 1664

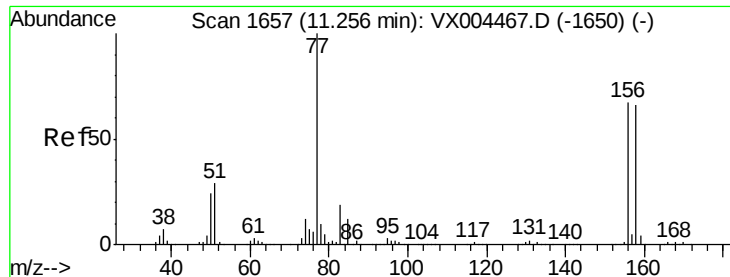
Delta R.T. 0.00 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Tgt Ion:	75	Resp:	76252
Ion Ratio	Lower	Upper	
75	100		
77	39.3	20.2	60.6





#77

Bromobenzene

Concen: 18.22 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS02

Tot Ion:156 Resp: 72305

Ion Ratio Lower Upper

156 100

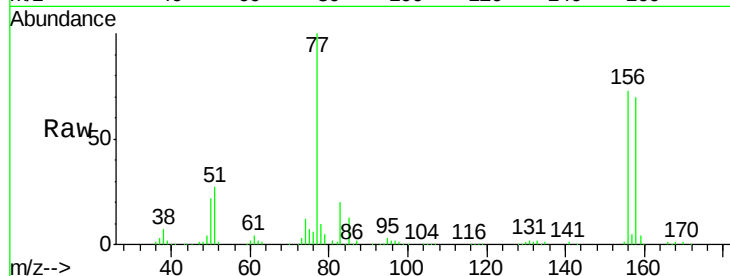
77 141.6 71.5 214.3

158 96.6 48.9 146.8

Manual Integrations
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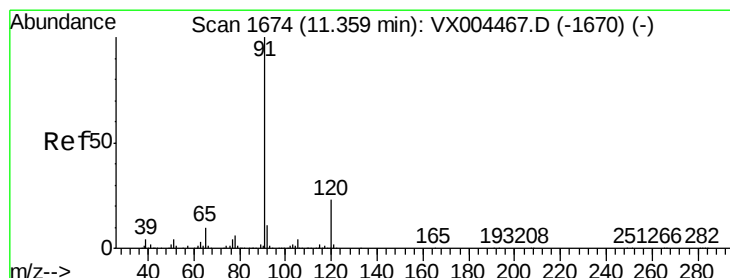
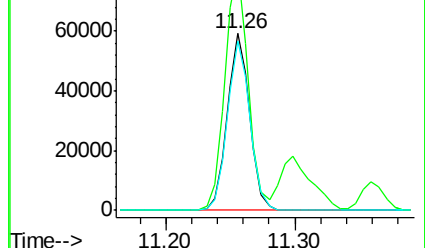
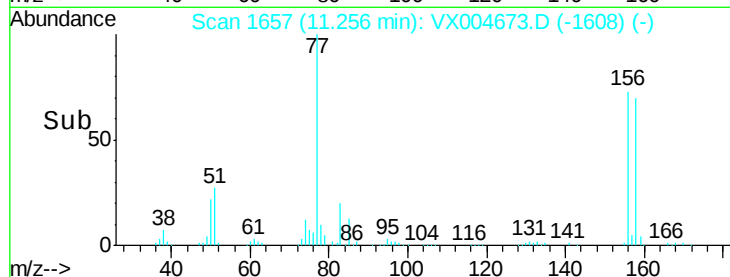
9/19/2018 12:51:30 PM



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: 18.18 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004673.D

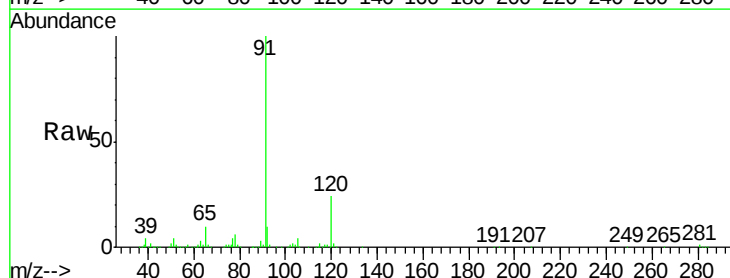
Acq: 18 Sep 2018 22:56

Tgt Ion: 91 Resp: 300077

Ion Ratio Lower Upper

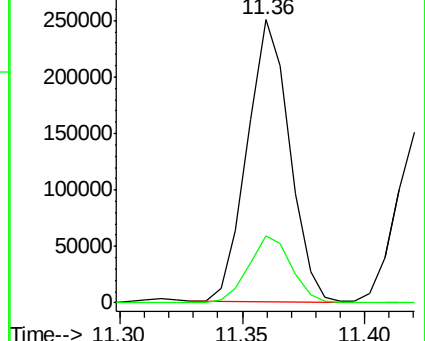
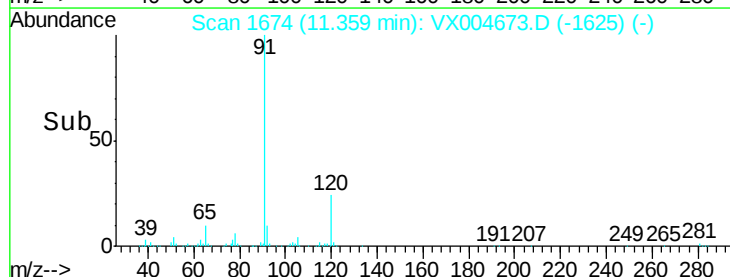
91 100

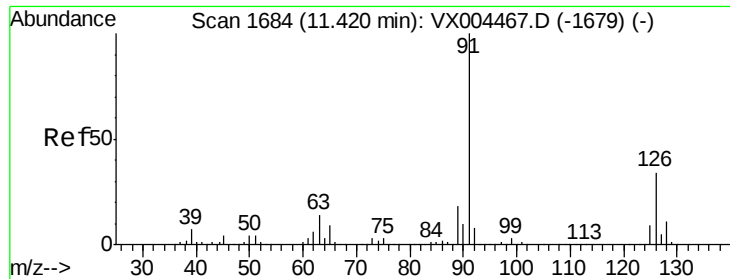
120 24.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.52 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS02

Tot Ion: 91 Resp: 185438

Ion Ratio Lower Upper

91 100

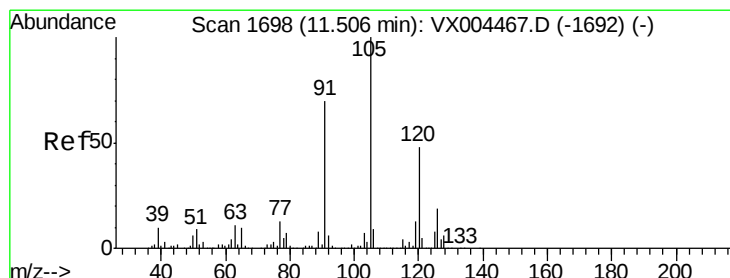
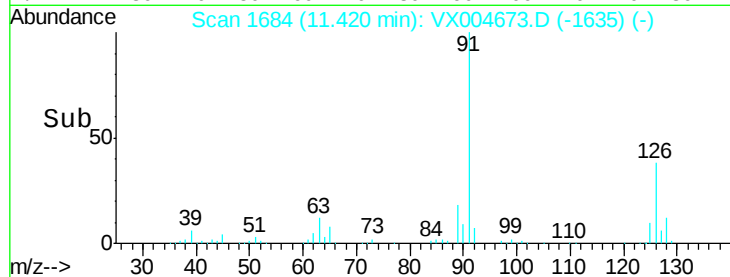
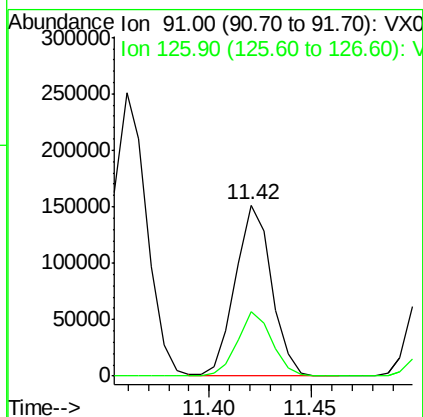
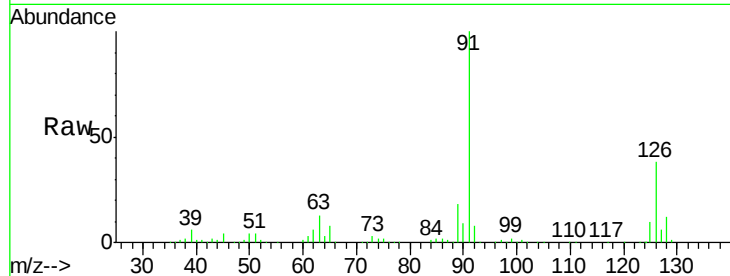
126 36.2 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.53 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004673.D

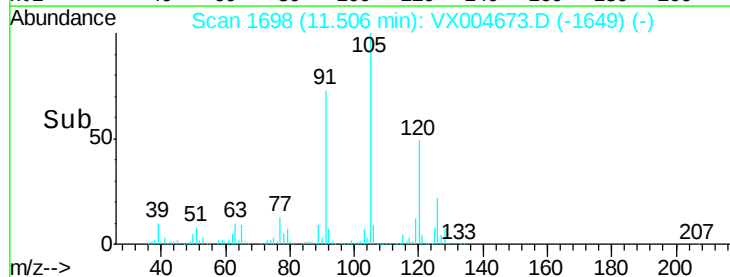
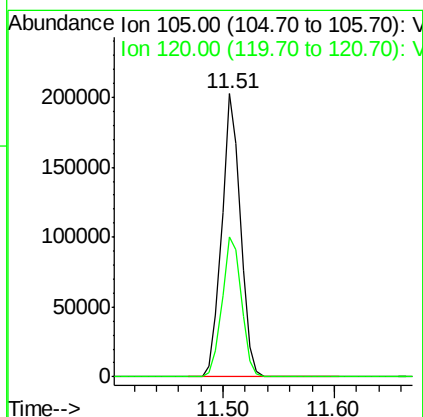
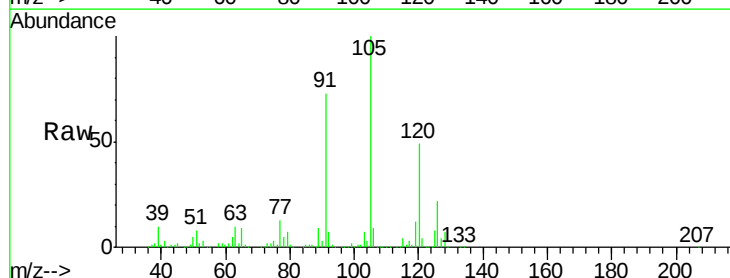
Acq: 18 Sep 2018 22:56

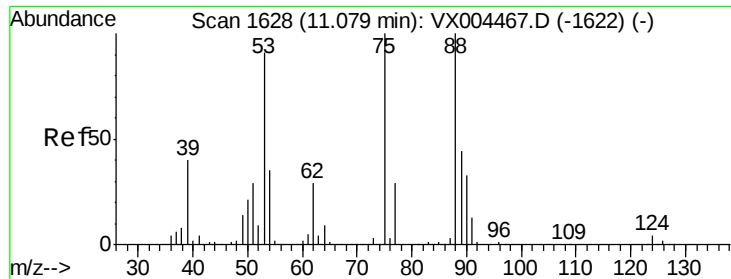
Tgt Ion: 105 Resp: 235632

Ion Ratio Lower Upper

105 100

120 51.3 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 15.49 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Instrument :

MSVOA_X

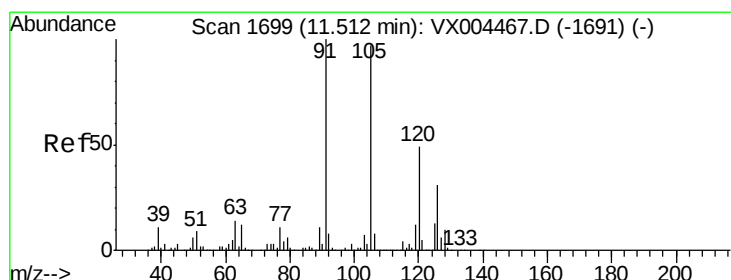
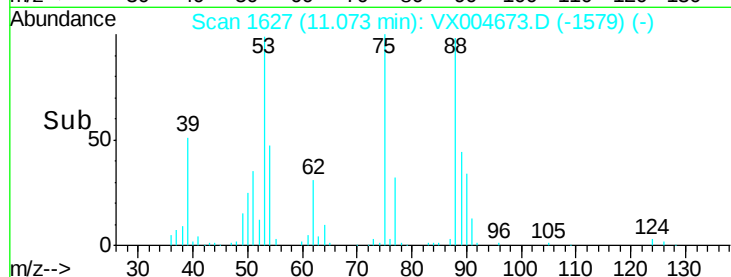
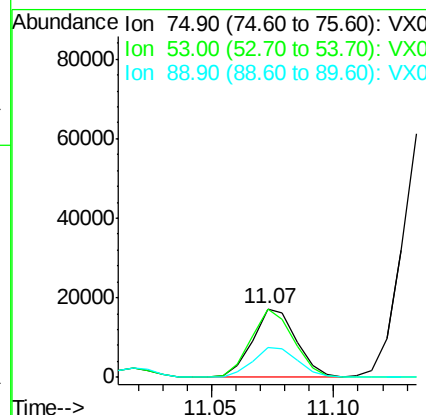
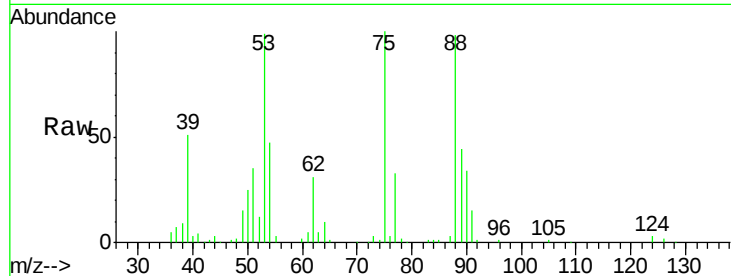
ClientSampleId :

VX0918WBS02

Tot Ion:	75	Resp:	21316
Ion	Ratio	Lower	Upper
75	100		
53	98.3	80.1	120.1
89	45.6	37.2	55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.71 ug/l

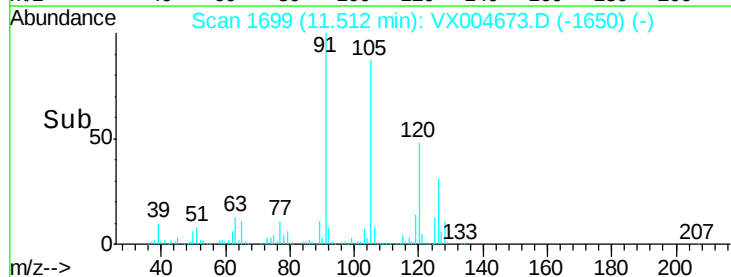
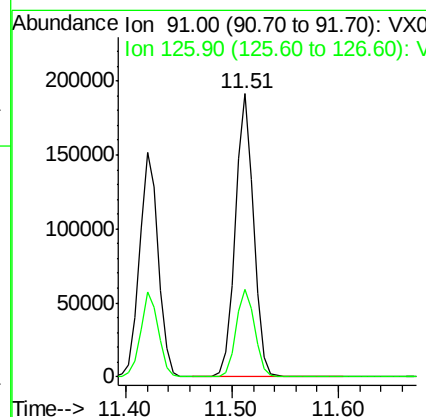
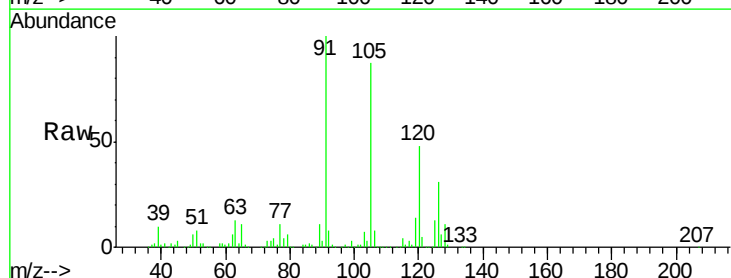
RT: 11.51 min Scan# 1699

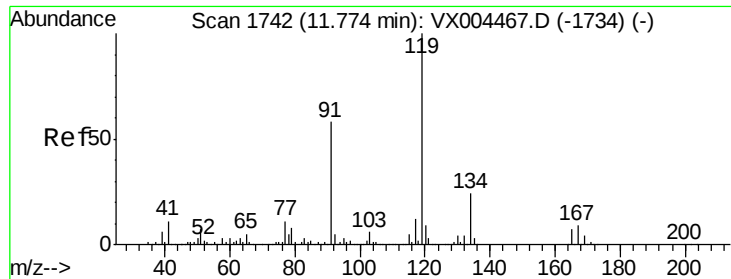
Delta R.T. 0.00 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Tgt Ion:	91	Resp:	230277
Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.5	46.5





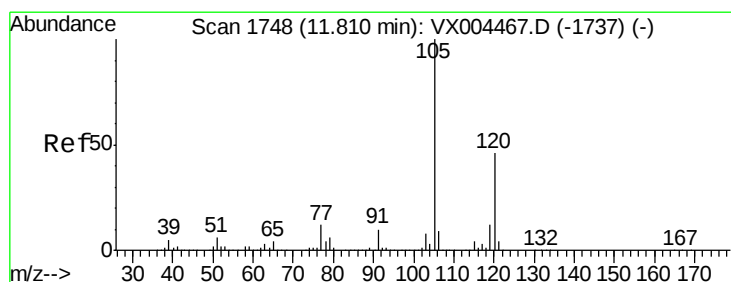
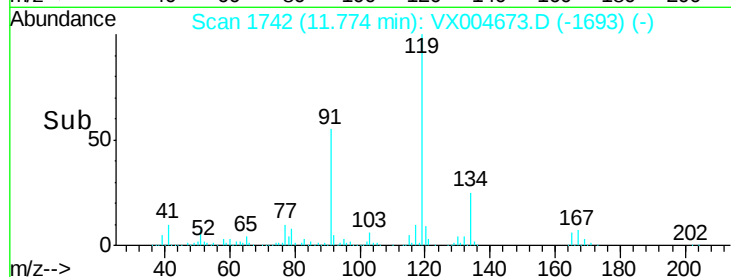
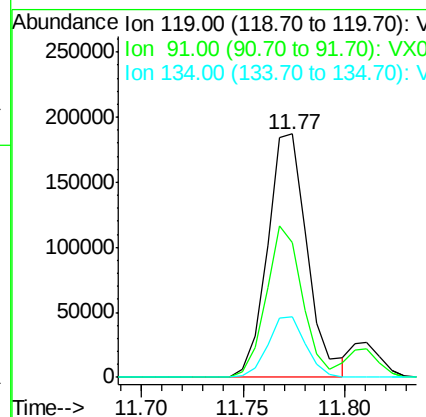
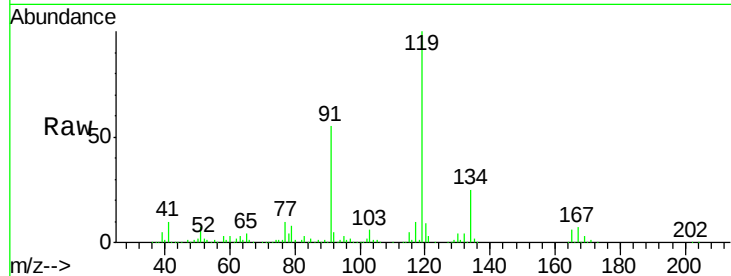
#83
tert-Butylbenzene
Concen: 22.14 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	254363		
91	56.5	27.0	81.0	
134	23.8	11.7	35.1	

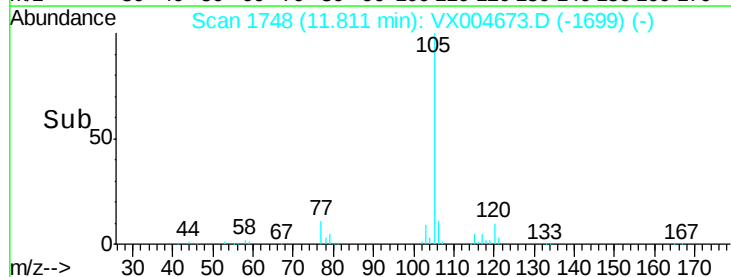
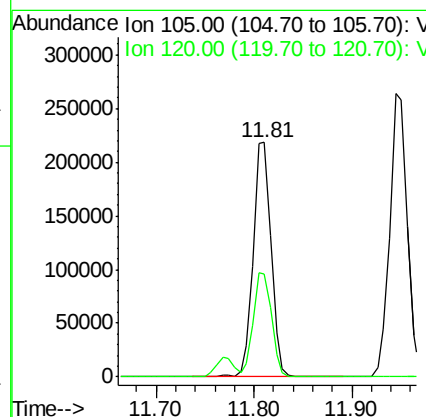
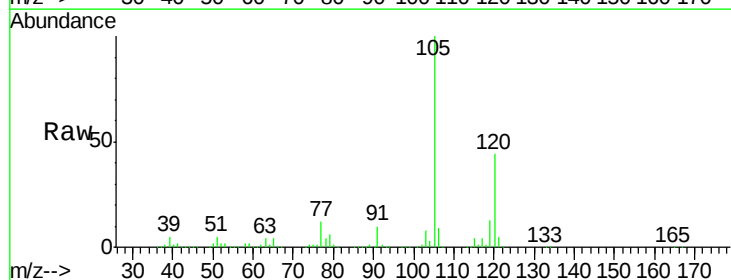
Manual Integrations
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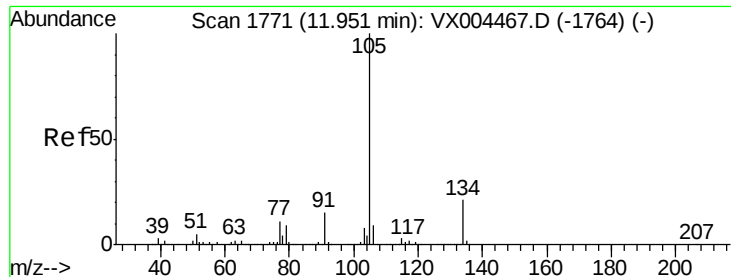
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 22.59 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	278279		
120	45.3	23.2	69.6	





#85

sec-Butylbenzene

Concen: 22.32 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Instrument :

MSVOA_X

ClientSampleId :

VX0918WBS02

Tot Ion:105 Resp: 326772

Ion Ratio Lower Upper

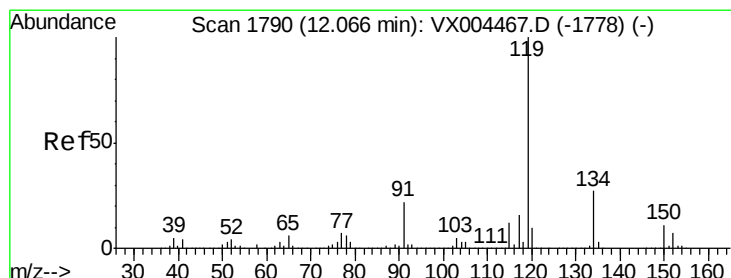
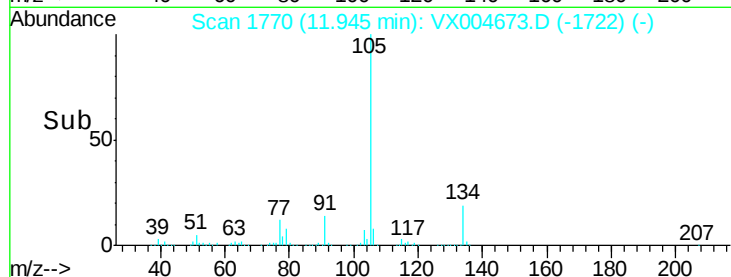
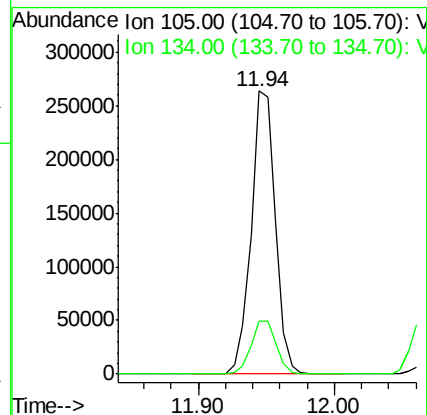
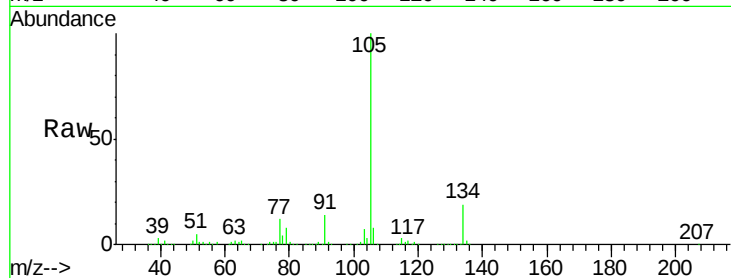
105 100

134 19.7 10.5 31.5

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.43 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

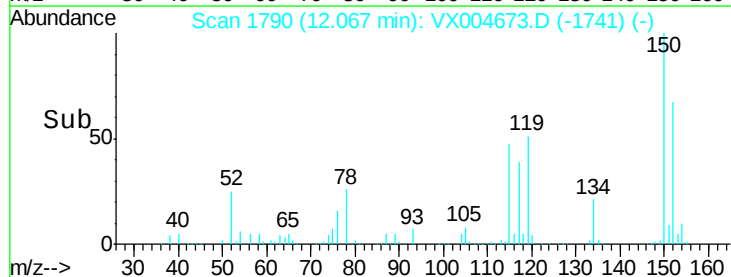
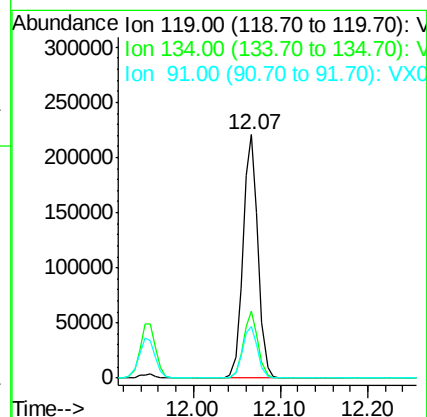
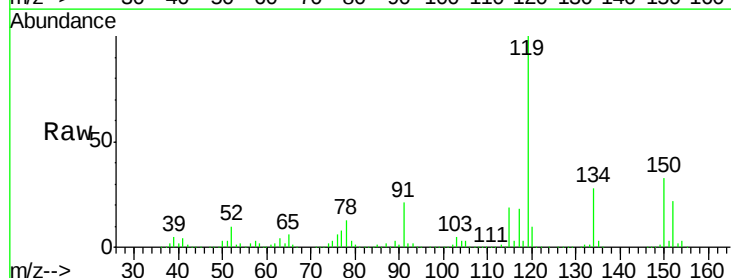
Tgt Ion:119 Resp: 264187

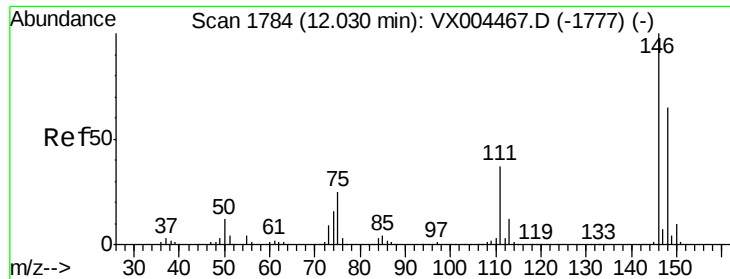
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 21.9 10.9 32.7





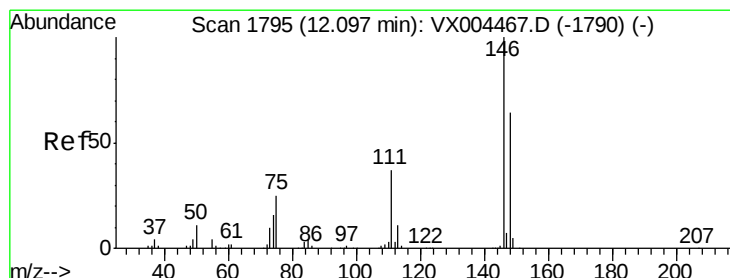
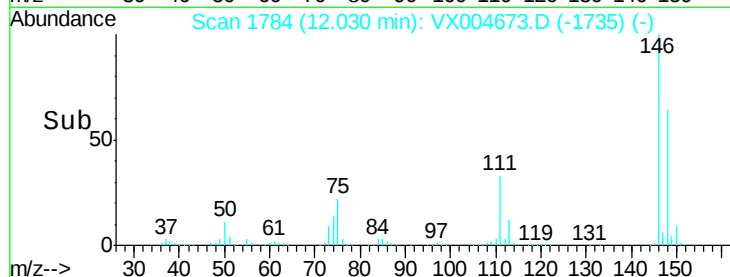
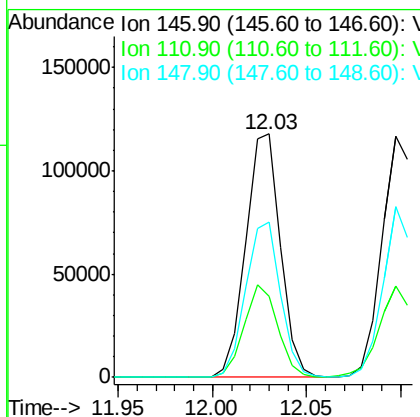
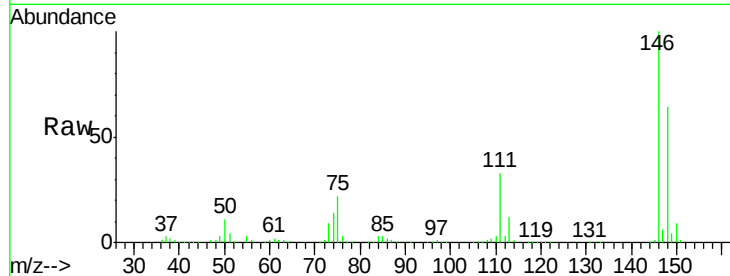
#87
 1,3-Dichlorobenzene
 Concen: 20.34 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX004673.D
 Acq: 18 Sep 2018 22:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.7	56.1
148	64.2	32.1	96.5

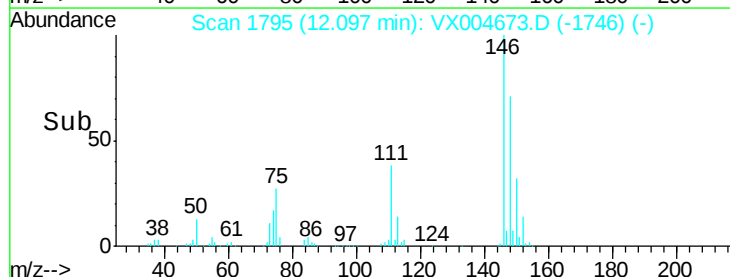
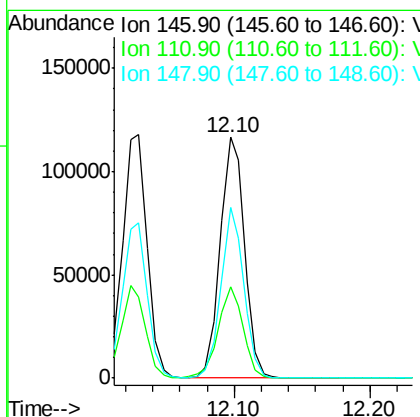
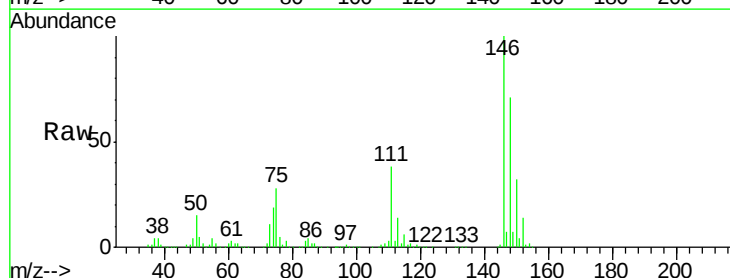
Manual Integrations
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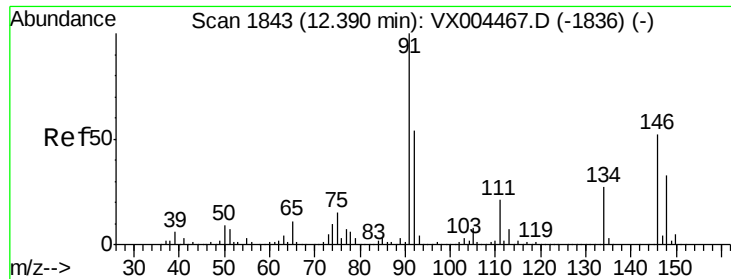
MMDadoda
 9/19/2018 12:51:30 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.85 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004673.D
 Acq: 18 Sep 2018 22:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.1	54.1
148	67.0	32.0	96.0





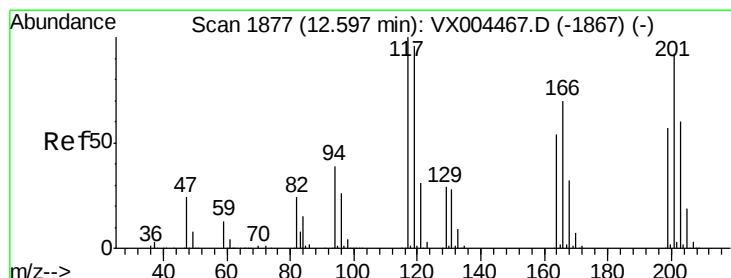
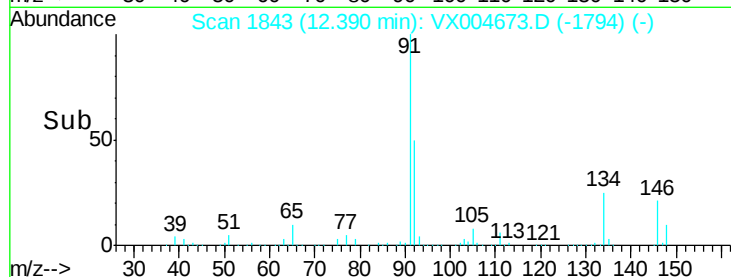
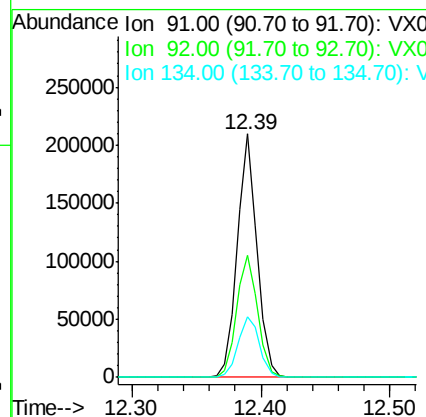
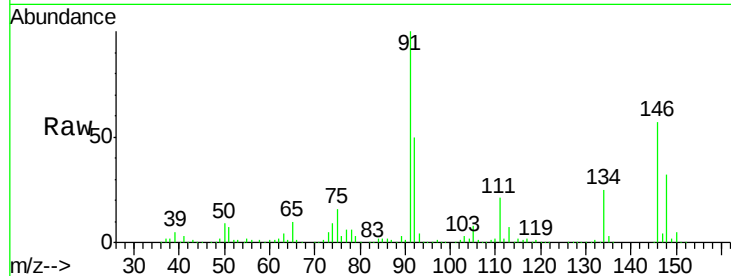
#89
n-Butylbenzene
Concen: 19.12 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Instrument :
MSVOA_X
ClientSampleId :
VX0918WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	225315		
92	53.3	27.3	81.9	
134	27.0	13.6	40.7	

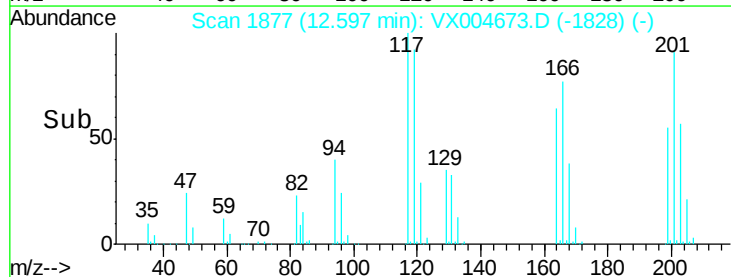
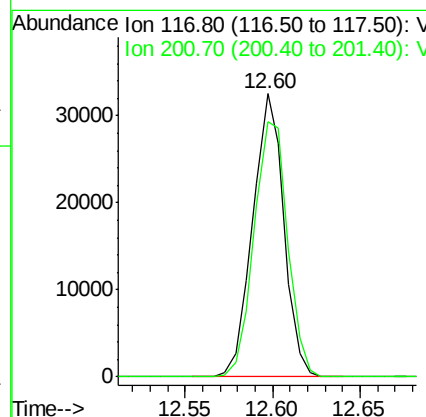
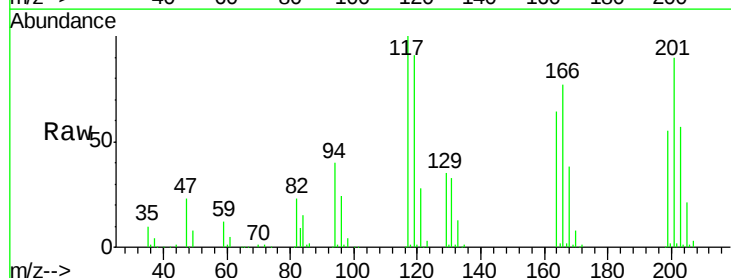
Manual Integrations
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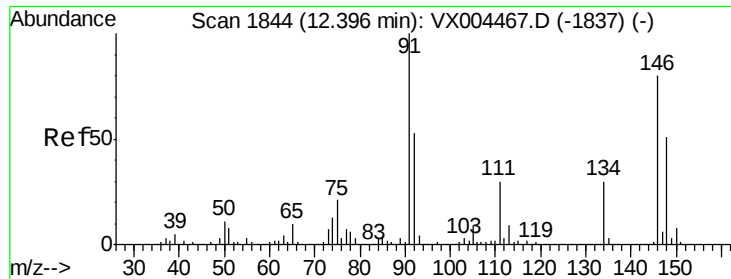
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9/19/2018 12:51:30 PM



#90
Hexachloroethane
Concen: 19.40 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004673.D
Acq: 18 Sep 2018 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	40146		
201	97.4	46.9	140.6	





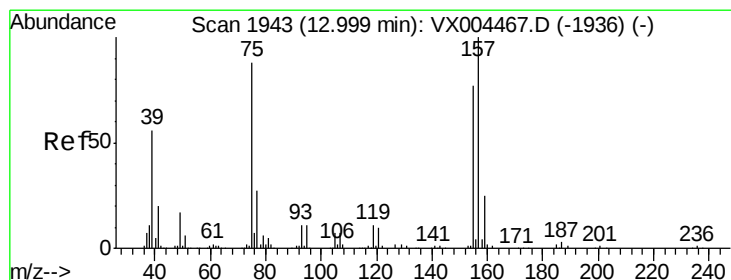
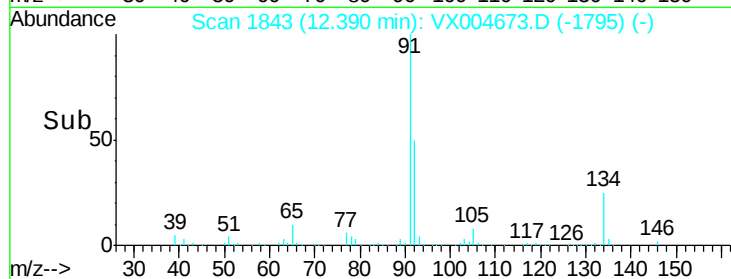
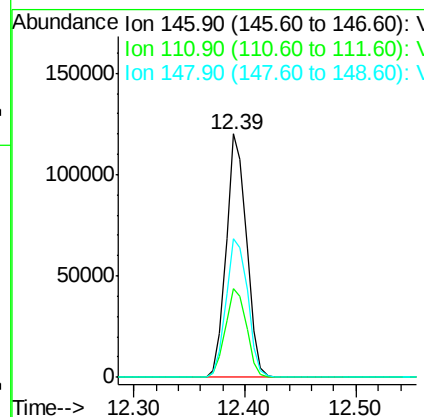
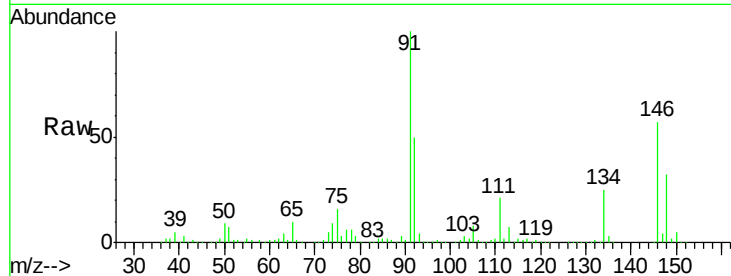
#91
 1,2-Dichlorobenzene
 Concen: 20.26 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX004673.D
 Acq: 18 Sep 2018 22:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.4	58.1
148	60.6	32.8	98.3

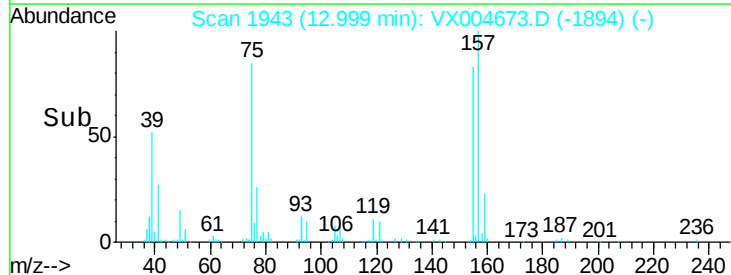
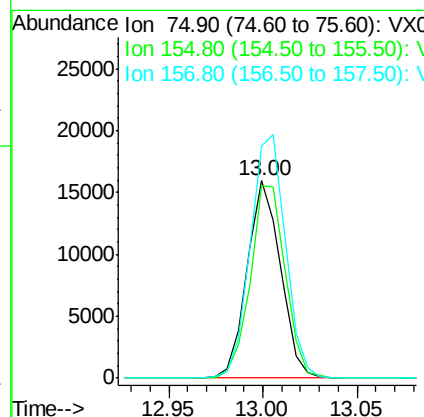
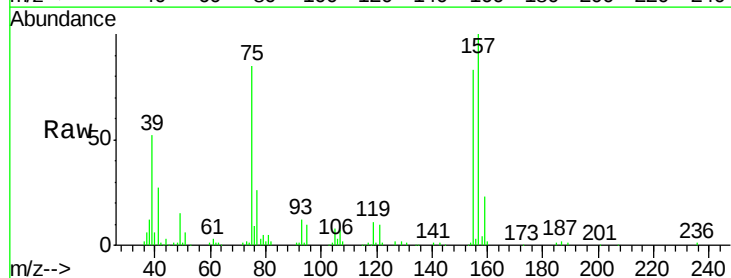
Manual Integrations
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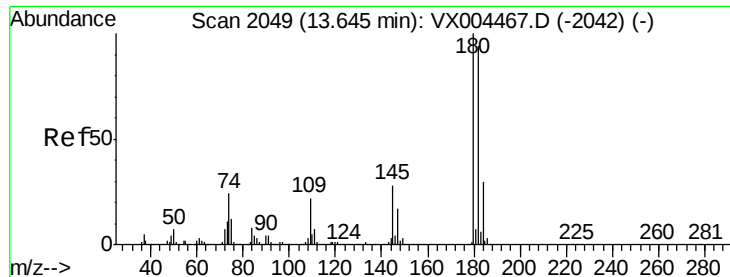
MMDadoda
 9/19/2018 12:51:30 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.79 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004673.D
 Acq: 18 Sep 2018 22:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.0	48.0	144.2
157	129.7	61.4	184.1





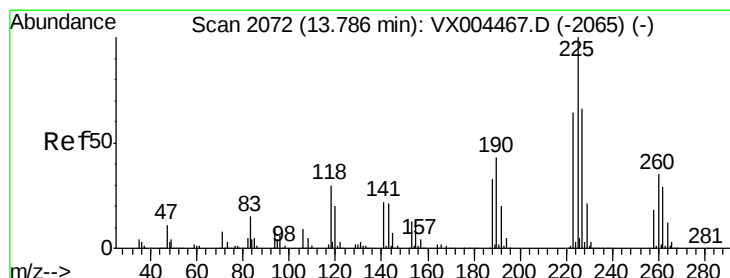
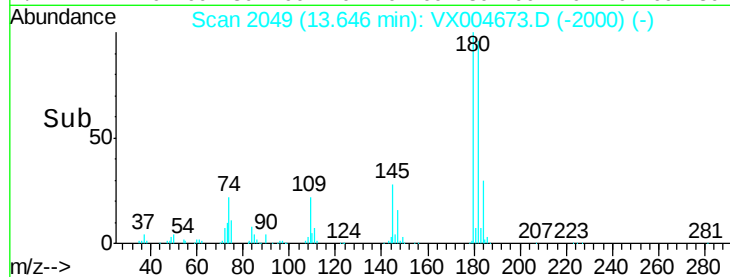
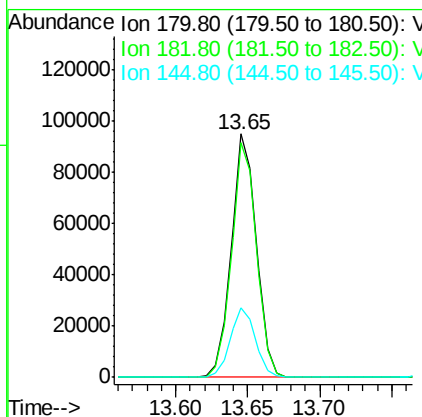
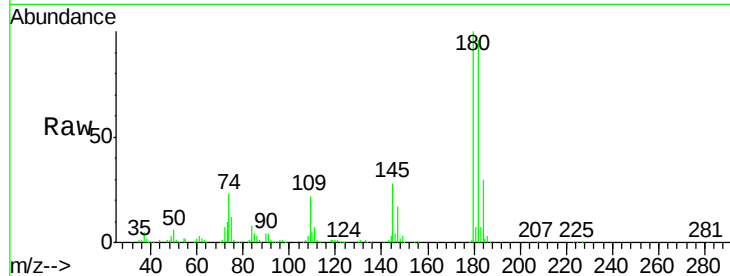
#93
 1,2,4-Trichlorobenzene
 Concen: 21.85 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004673.D
 Acq: 18 Sep 2018 22:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	115937		
182	96.0	48.4	145.0	
145	28.6	14.3	42.9	

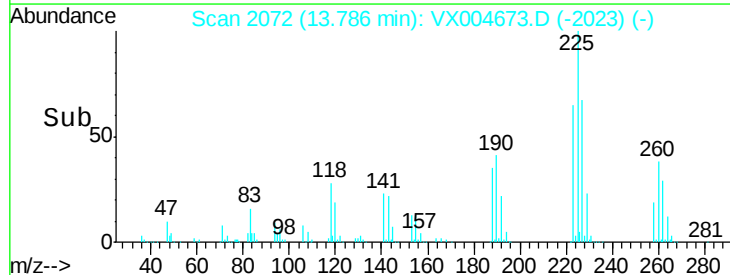
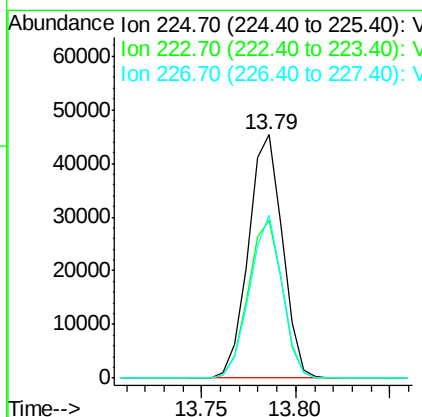
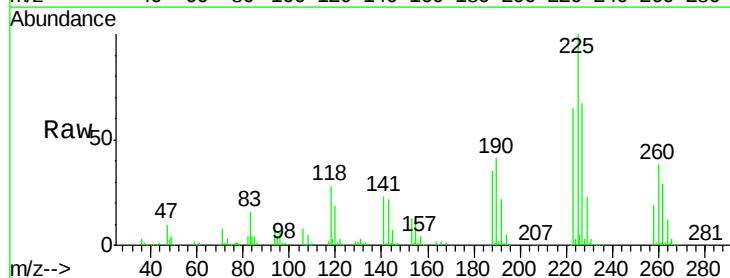
Manual Integrations
 APPROVED

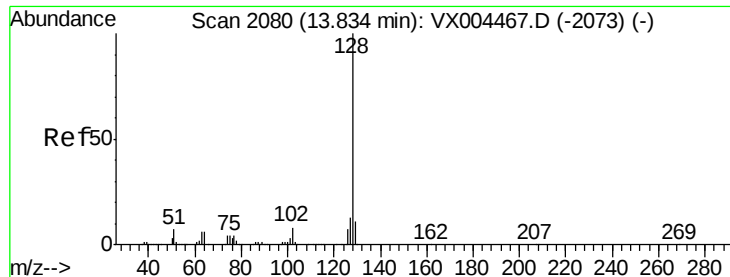
MMDadoda
 9/19/2018 12:51:30 PM



#94
 Hexachlorobutadiene
 Concen: 20.49 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004673.D
 Acq: 18 Sep 2018 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56784		
223	64.8	30.1	90.5	
227	64.1	30.8	92.4	





#95

Naphthalene

Concen: 22.57 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Instrument :

MSVOA_X

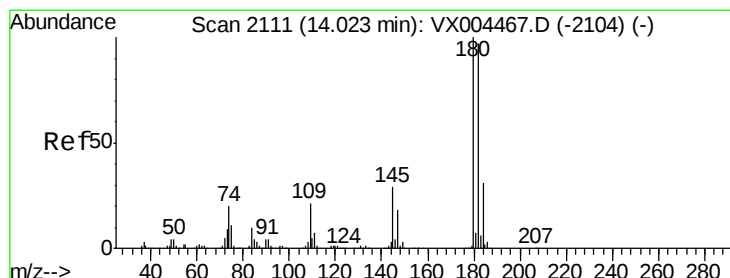
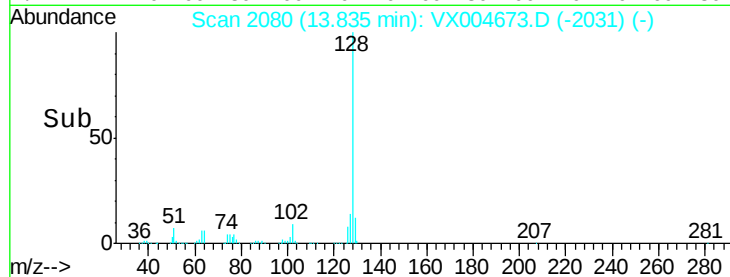
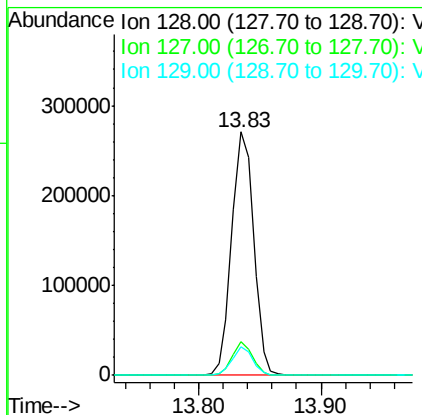
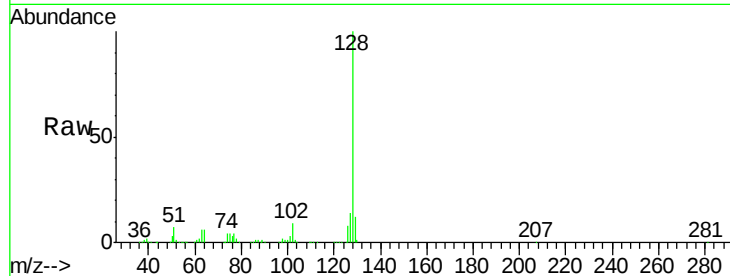
ClientSampleId :

VX0918WBS02

Tot Ion:	128	Resp:	335875
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/19/2018 12:51:30 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.92 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX004673.D

Acq: 18 Sep 2018 22:56

Tgt Ion:	180	Resp:	119479
Ion Ratio	Lower	Upper	
180	100		
182	93.5	48.5	145.6
145	29.2	14.9	44.9

