

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072318\
 Data File : VX003591.D
 Acq On : 23 Jul 2018 09:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/24/2018 12:37:17 PM

Quant Time: Jul 24 06:42:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	292741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	401348	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	375503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	235445	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	168095	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
35) Dibromofluoromethane	5.50	113	157255	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	
50) Toluene-d8	8.72	98	592080	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
62) 4-Bromofluorobenzene	11.14	95	217938	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	123968	53.389	ug/l	96
3) Chloromethane	1.32	50	154602	53.756	ug/l	99
4) Vinyl Chloride	1.40	62	164865	44.333	ug/l	100
5) Bromomethane	1.64	94	103778	71.201	ug/l	99
6) Chloroethane	1.72	64	109236	49.640	ug/l	99
7) Trichlorofluoromethane	1.93	101	243036	48.985	ug/l	100
8) Diethyl Ether	2.19	74	104689	49.130	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.38	101	167348	51.535	ug/l	97
10) Methyl Iodide	2.51	142	217669	55.799	ug/l	94
11) Tert butyl alcohol	3.07	59	169692	247.471	ug/l	99
12) 1,1-Dichloroethene	2.37	96	151684	50.731	ug/l	94
13) Acrolein	2.29	56	54693	176.532	ug/l	98
14) Allyl chloride	2.73	41	274499	51.861	ug/l	86
15) Acrylonitrile	3.15	53	440968	252.593	ug/l	97
16) Acetone	2.45	43	355712	271.760	ug/l #	88
17) Carbon Disulfide	2.57	76	406910	50.322	ug/l	98
18) Methyl Acetate	2.78	43	220809	53.511	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	509811	52.216	ug/l	99
20) Methylene Chloride	2.86	84	171128	53.531	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	161736	48.617	ug/l	94
22) Diisopropyl ether	3.87	45	533500	53.566	ug/l #	95
23) Vinyl Acetate	3.82	43	2180183	265.749	ug/l	97
24) 1,1-Dichloroethane	3.70	63	300020	51.342	ug/l	100
25) 2-Butanone	4.70	43	569518	259.328	ug/l	91
26) 2,2-Dichloropropane	4.59	77	242884	54.726	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	187061	50.500	ug/l	99
28) Bromochloromethane	5.02	49	130465	51.079	ug/l	86
29) Tetrahydrofuran	5.17	42	364464	251.226	ug/l	93
30) Chloroform	5.21	83	300270	52.622	ug/l	96
31) Cyclohexane	5.57	56	251789	48.225	ug/l	89
32) 1,1,1-Trichloroethane	5.50	97	258657	52.935	ug/l	96
36) 1,1-Dichloropropene	5.80	75	218859	50.507	ug/l	97
37) Ethyl Acetate	4.86	43	225752	55.056	ug/l	96
38) Carbon Tetrachloride	5.78	117	233608	54.962	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	265615	51.754	ug/l	92
40) Benzene	6.14	78	673487	51.478	ug/l	100
41) Methacrylonitrile	5.06	41	123990	51.450	ug/l	91
42) 1,2-Dichloroethane	6.20	62	214720	52.090	ug/l	94
43) Isopropyl Acetate	6.46	43	334929	51.348	ug/l #	93
44) Trichloroethene	7.21	130	204753	52.478	ug/l	100
45) 1,2-Dichloropropane	7.52	63	174576	52.551	ug/l	98
46) Dibromomethane	7.66	93	115230	53.878	ug/l	95
47) Bromodichloromethane	7.90	83	217086	55.445	ug/l	98
48) Methyl methacrylate	7.78	41	173260	52.673	ug/l #	83
49) 1,4-Dioxane	7.76	88	75298	1010.304	ug/l #	93
51) 4-Methyl-2-Pentanone	8.65	43	1098536	266.588	ug/l	91
52) Toluene	8.79	92	431394	52.384	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	267268	55.460	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	241215	55.659	ug/l #	88
55) 1,1,2-Trichloroethane	9.22	97	173954	53.084	ug/l	98
56) Ethyl methacrylate	9.18	69	252184	54.637	ug/l #	82
57) 1,3-Dichloropropane	9.37	76	279504	52.766	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	553953	246.820	ug/l	96
59) 2-Hexanone	9.50	43	813960	266.599	ug/l	88
60) Dibromochloromethane	9.59	129	184791	56.971	ug/l	100
61) 1,2-Dibromoethane	9.68	107	179562	52.858	ug/l	99
64) Tetrachloroethene	9.34	164	246279	53.831	ug/l	98
65) Chlorobenzene	10.14	112	499466	51.625	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	181338	54.476	ug/l	99
67) Ethyl Benzene	10.26	91	833078	53.554	ug/l	99
68) m/p-Xylenes	10.36	106	658805	108.027	ug/l	96
69) o-Xylene	10.70	106	317296	53.804	ug/l	94
70) Styrene	10.71	104	538864	55.551	ug/l	96
71) Bromoform	10.86	173	146805	56.762	ug/l	99
73) Isopropylbenzene	11.02	105	854059	52.450	ug/l	100
74) N-amyl acetate	6.46	43	334929	48.441	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	240481	50.397	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	219688m	51.939	ug/l	
77) Bromobenzene	11.26	156	235796	50.348	ug/l	96
78) n-propylbenzene	11.36	91	969921	53.586	ug/l	98
79) 2-Chlorotoluene	11.42	91	567678	51.663	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	712712	53.258	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	74990	50.337	ug/l	87
82) 4-Chlorotoluene	11.51	91	671482	52.152	ug/l	97
83) tert-Butylbenzene	11.77	119	687144	52.432	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	737357	54.150	ug/l	97
85) sec-Butylbenzene	11.95	105	848746	53.320	ug/l	99
86) p-Isopropyltoluene	12.07	119	780404	54.629	ug/l	97
87) 1,3-Dichlorobenzene	12.03	146	438606	50.948	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	443006	49.954	ug/l	98
89) n-Butylbenzene	12.39	91	660848	54.478	ug/l	98
90) Hexachloroethane	12.60	117	107879	53.122	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	439550	51.804	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	48314	52.028	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	322176	51.810	ug/l	99
94) Hexachlorobutadiene	13.79	225	157476	52.657	ug/l	99
95) Naphthalene	13.83	128	870192	53.255	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	323252	52.511	ug/l	100

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

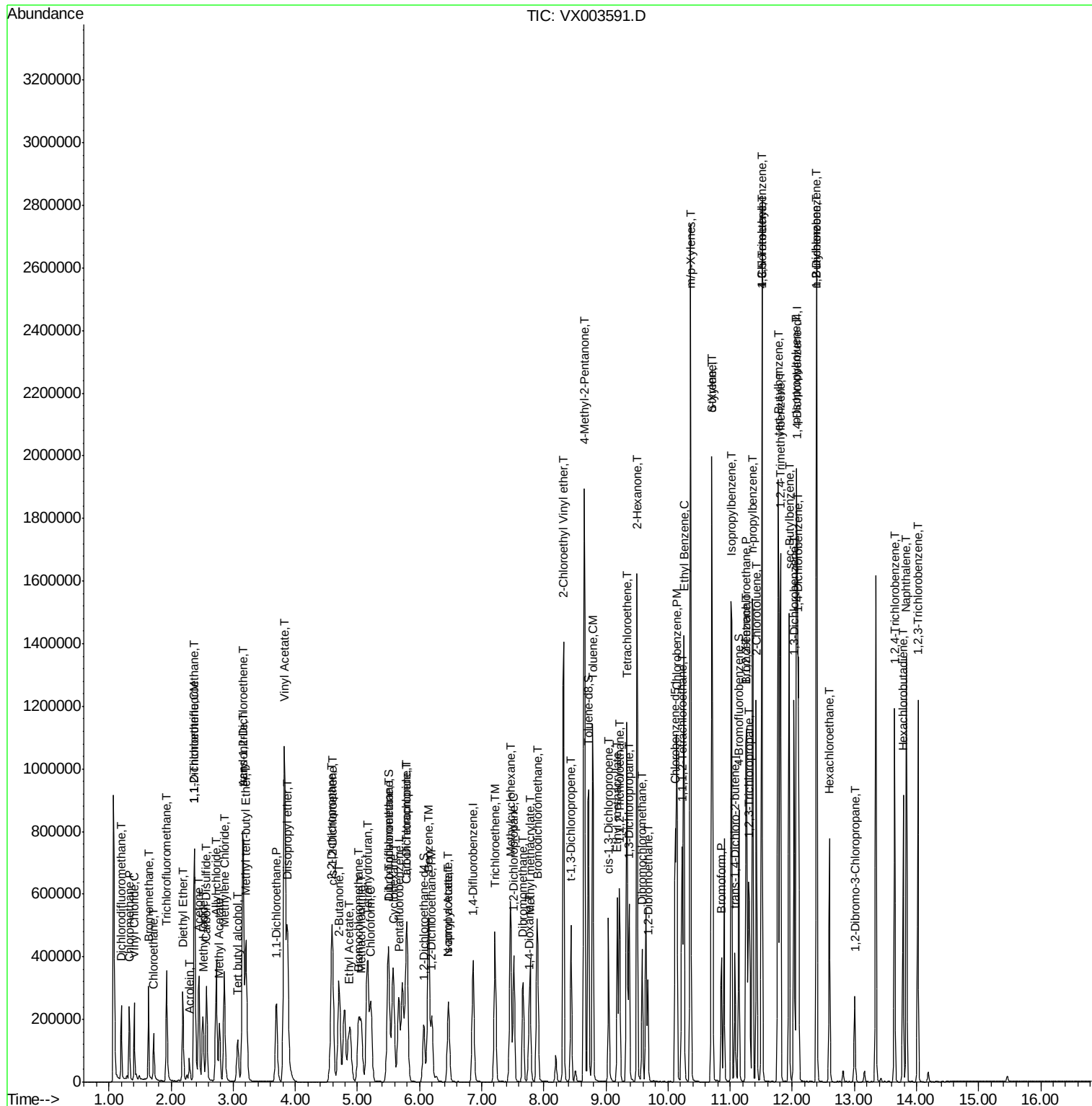
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072318\
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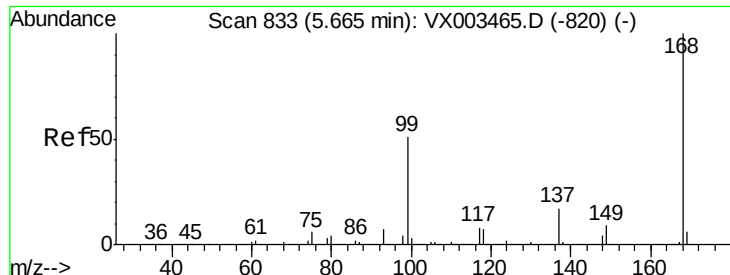
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 292741

Ion Ratio Lower Upper

168 100

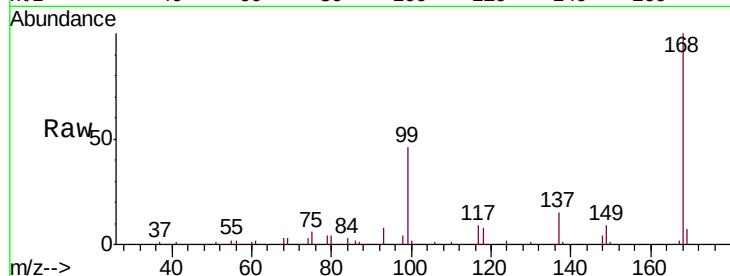
99 46.1 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

120000 Ion 98.90 (98.60 to 99.60): VX0

100000

80000

60000

40000

20000

0

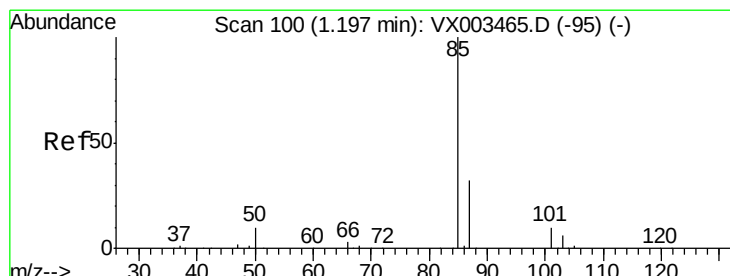
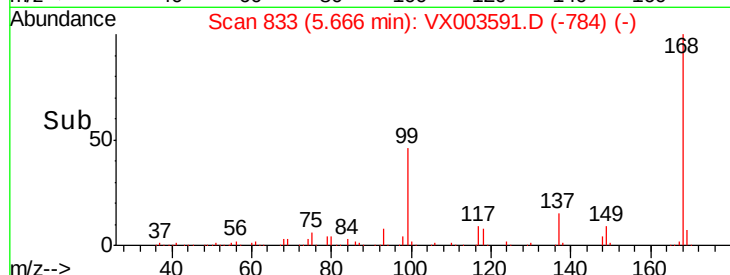
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 53.389 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003591.D

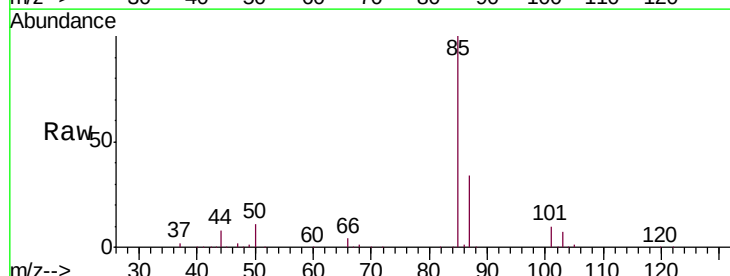
Acq: 23 Jul 2018 09:04

Tgt Ion: 85 Resp: 123968

Ion Ratio Lower Upper

85 100

87 34.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

150000 Ion 86.90 (86.60 to 87.60): VX0

100000

50000

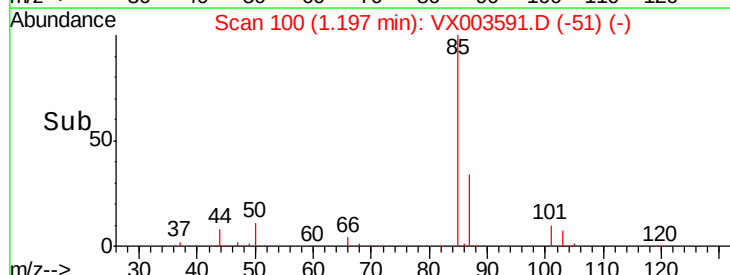
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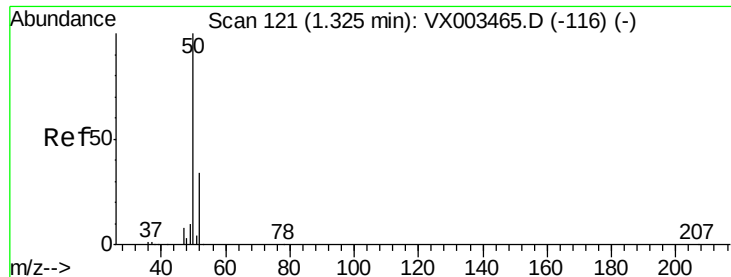
1.10

1.20

1.30

Time-->





#3

Chloromethane

Concen: 53.756 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 154602

Ion Ratio Lower Upper

50 100

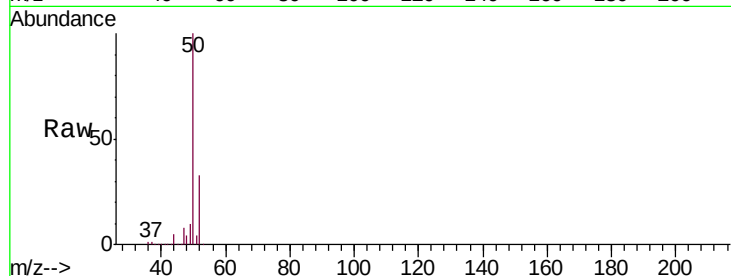
52 32.7 25.7 38.5

Manual Integrations

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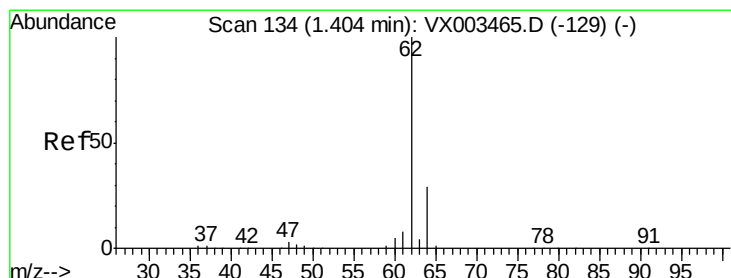
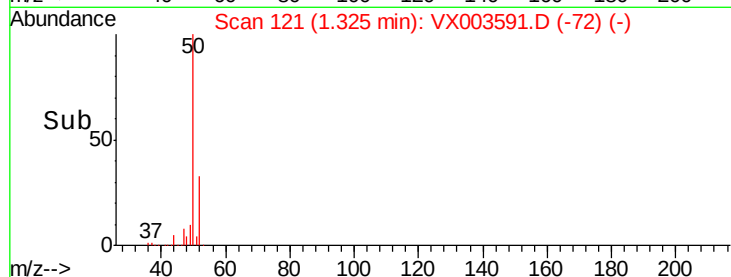
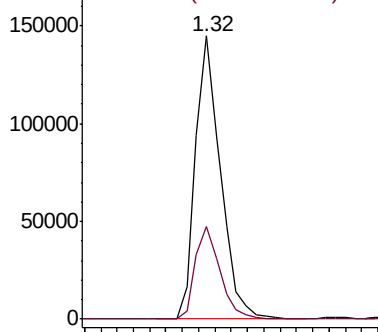
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 44.333 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003591.D

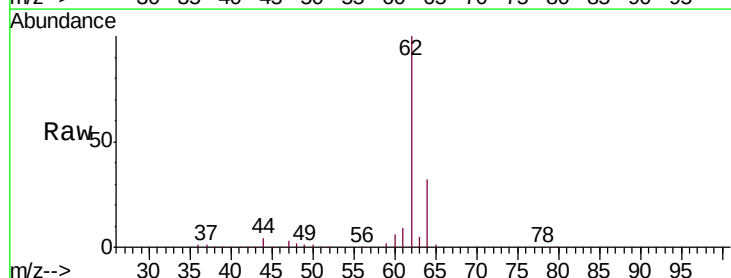
Acq: 23 Jul 2018 09:04

Tgt Ion: 62 Resp: 164865

Ion Ratio Lower Upper

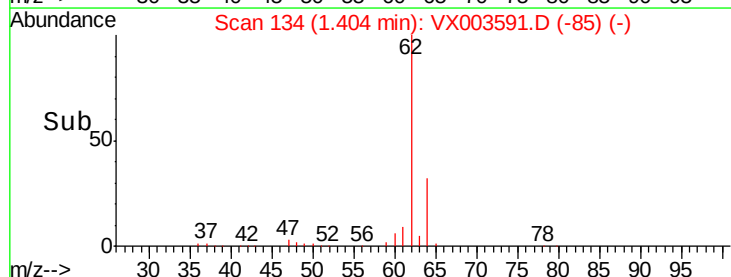
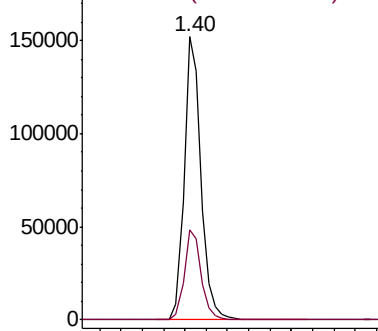
62 100

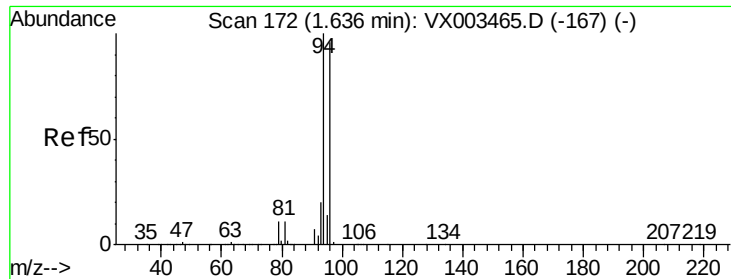
64 31.7 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 71.201 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

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ClientSampleId :

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Tot Ion: 94 Resp: 103778

Ion Ratio Lower Upper

94 100

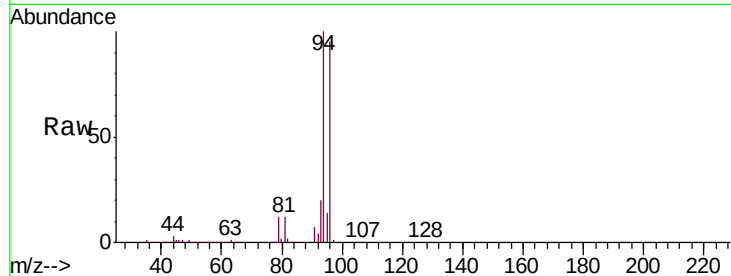
96 95.0 74.9 112.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

120000

100000

80000

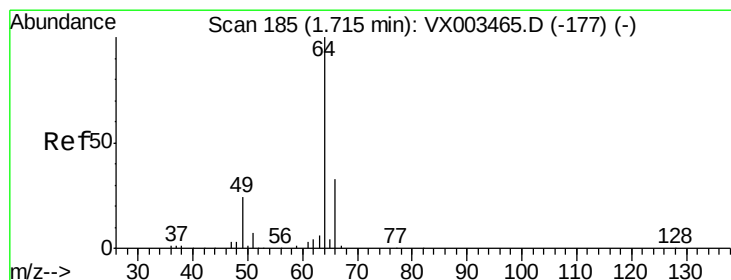
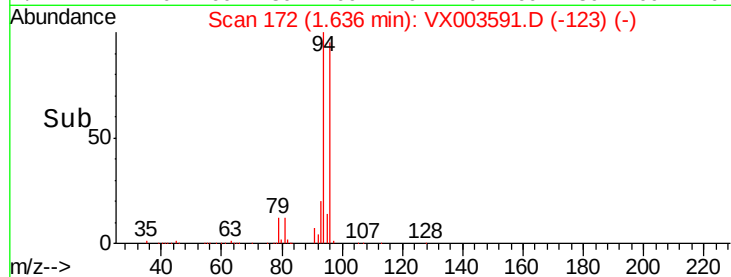
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 49.640 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003591.D

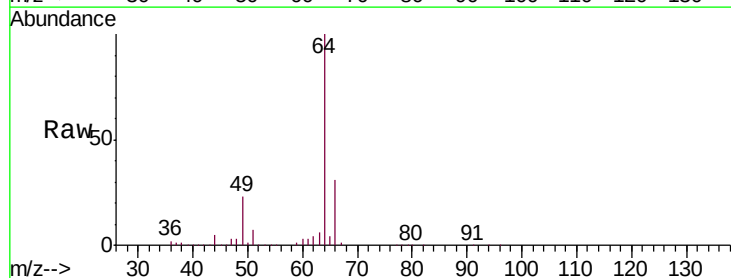
Acq: 23 Jul 2018 09:04

Tgt Ion: 64 Resp: 109236

Ion Ratio Lower Upper

64 100

66 31.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

80000

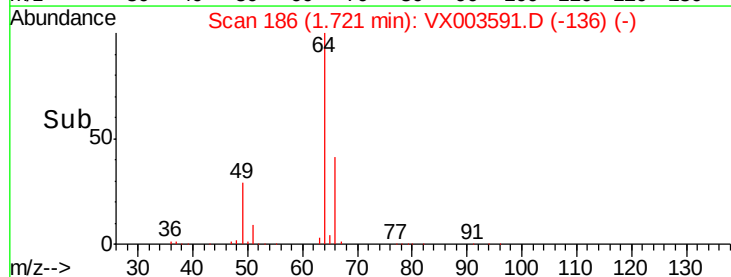
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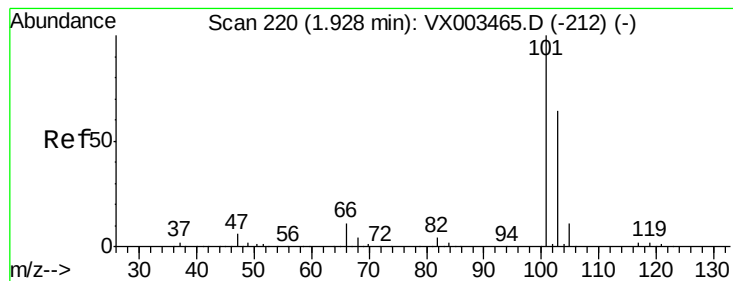
40000

20000

0

Time-->





#7

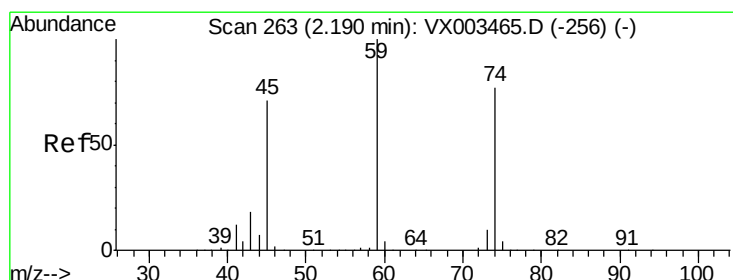
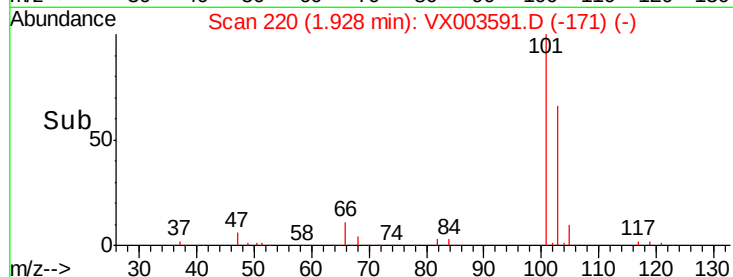
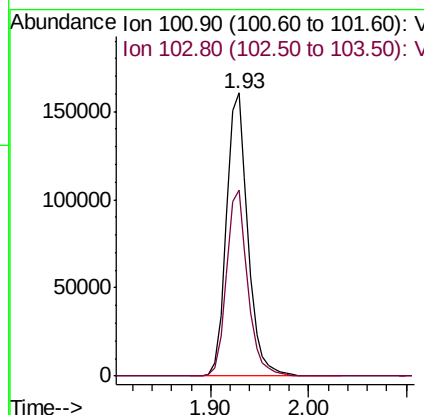
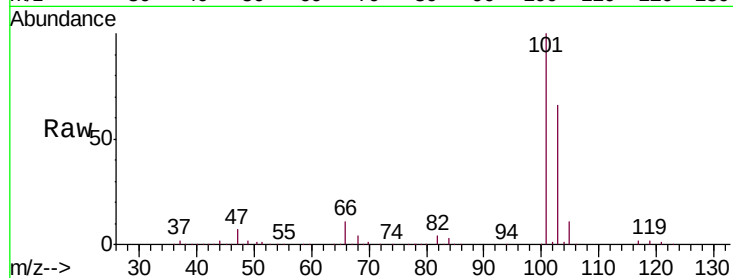
Trichlorofluoromethane
Concen: 48.985 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.8	79.2

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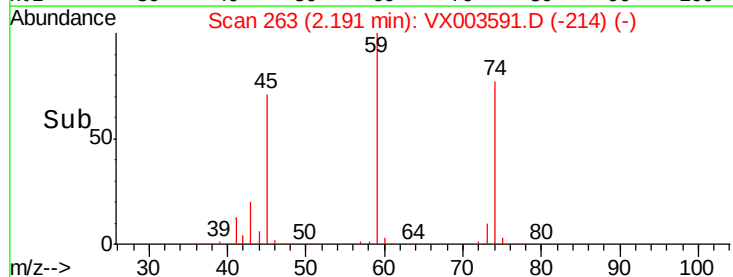
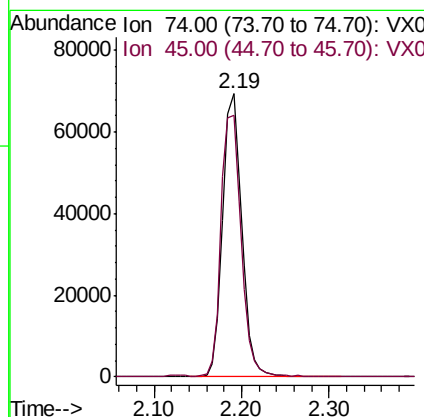
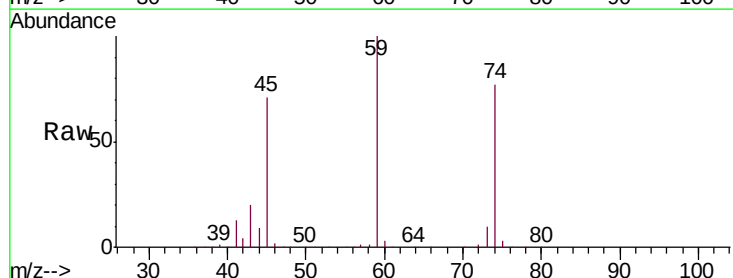
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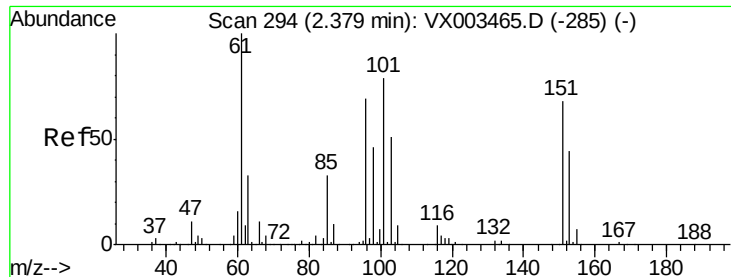


#8

Diethyl Ether
Concen: 49.130 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.535 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003591.D

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MSVOA_X

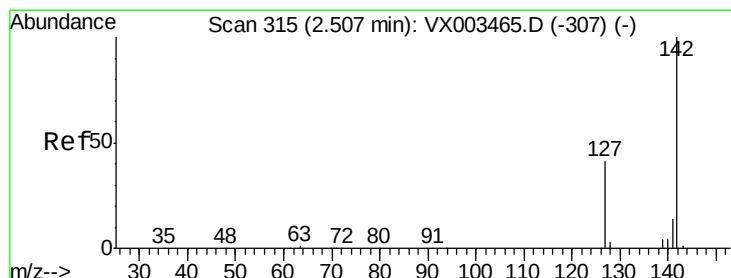
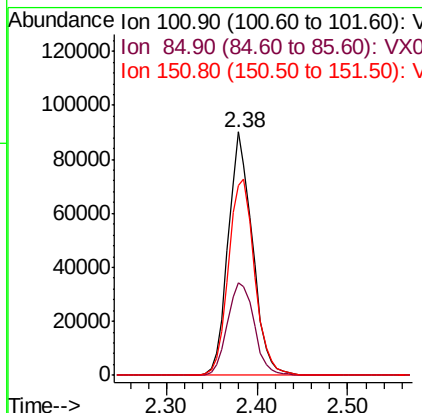
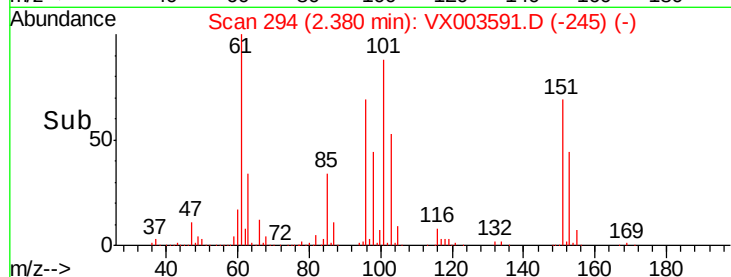
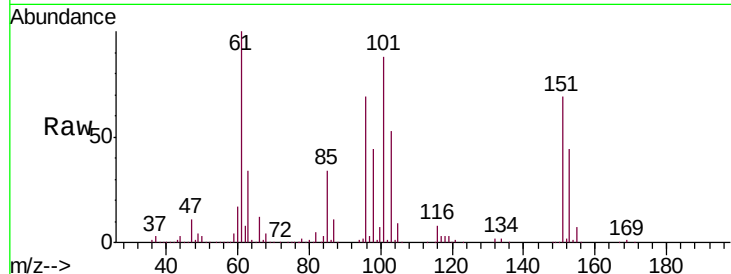
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	167348
Ion Ratio	Lower	Upper	
101	100		
85	42.1	36.0	54.0
151	87.0	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 55.799 ug/l

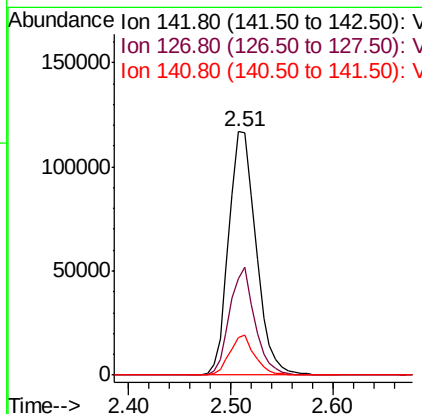
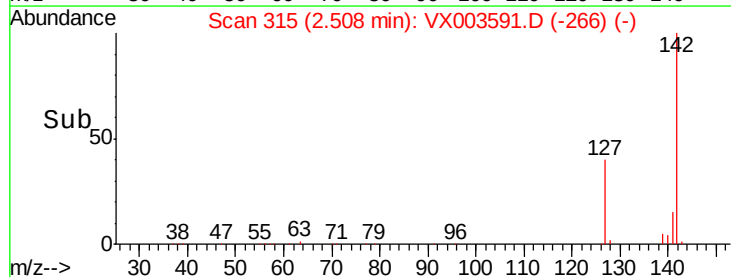
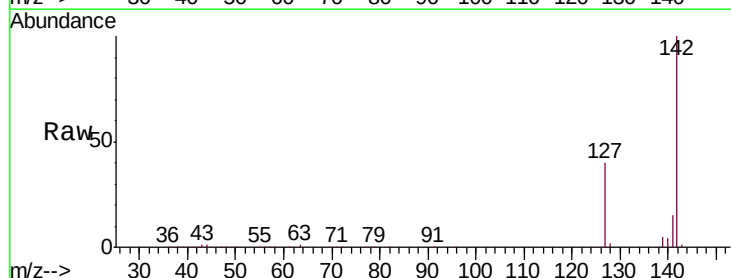
RT: 2.51 min Scan# 315

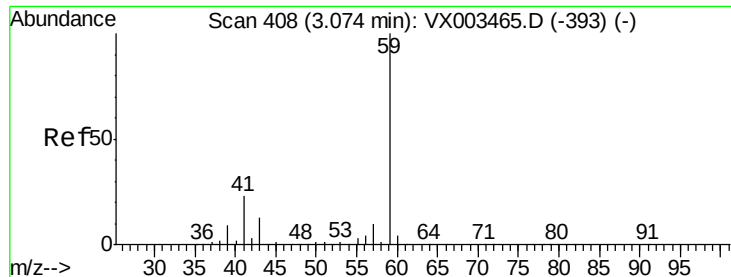
Delta R.T. 0.00 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

Tgt Ion:	142	Resp:	217669
Ion Ratio	Lower	Upper	
142	100		
127	40.7	36.6	55.0
141	14.9	11.3	16.9





#11

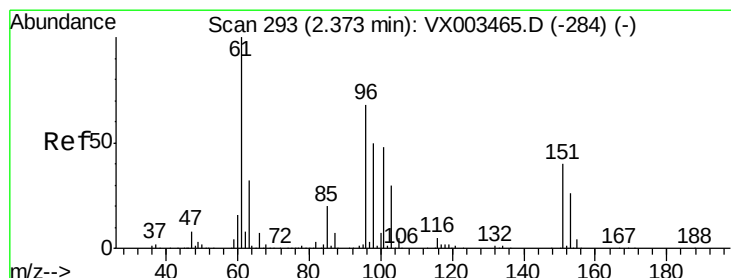
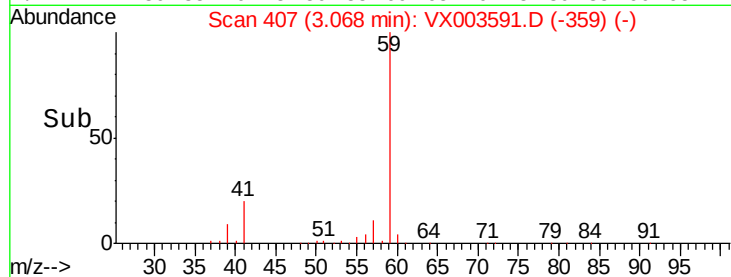
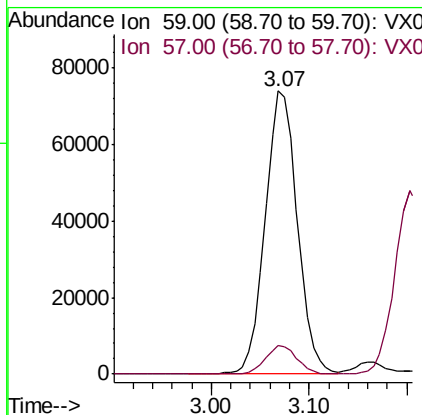
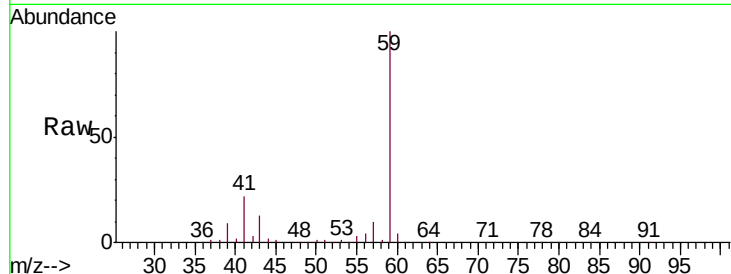
Tert butyl alcohol
Concen: 247.471 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	9.9	Resp	169692	Lower	8.2	Upper	12.2
Ion	59	57	Ratio	100	9.9	Resp	169692	Lower	8.2	Upper	12.2

Manual Integrations
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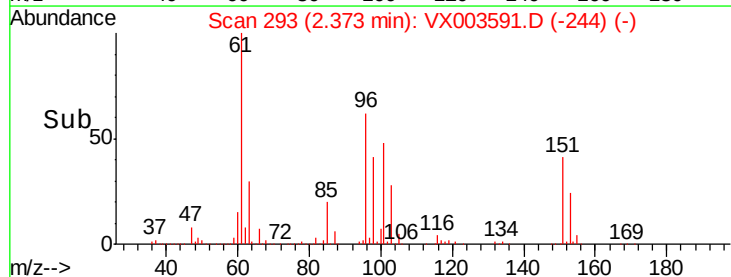
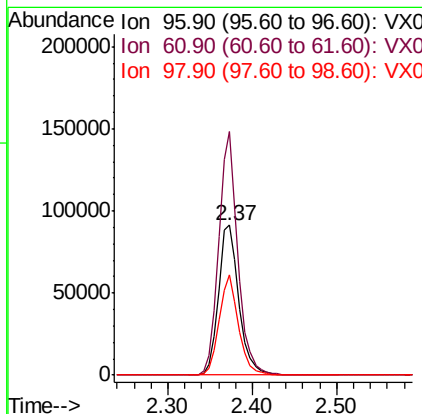
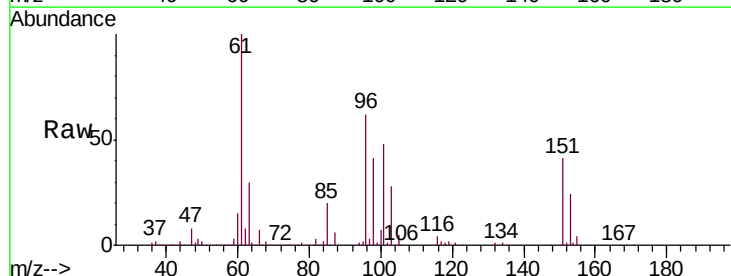
MMDadoda
7/24/2018 12:37:17 PM

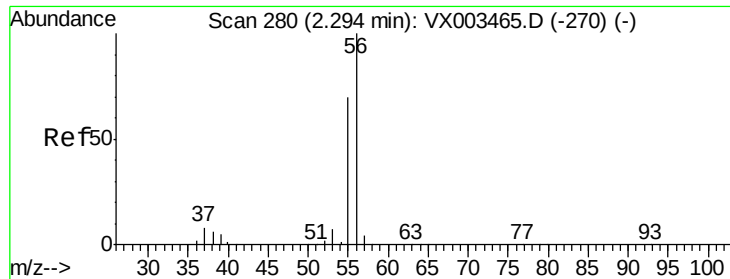


#12

1,1-Dichloroethene
Concen: 50.731 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Tgt Ion	96	61	98	Ratio	100	162.5	66.7	Resp	151684	Lower	137.9	Upper	206.9	77.4
Ion	96	61	98	Ratio	100	162.5	66.7	Resp	151684	Lower	137.9	Upper	206.9	77.4





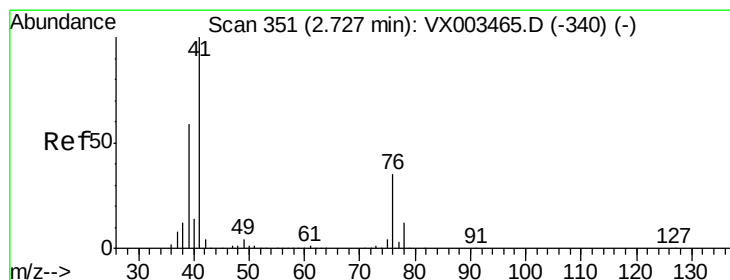
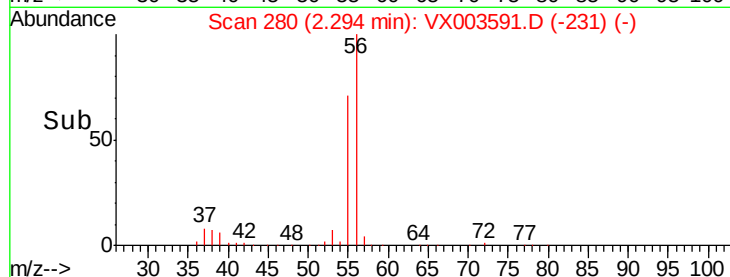
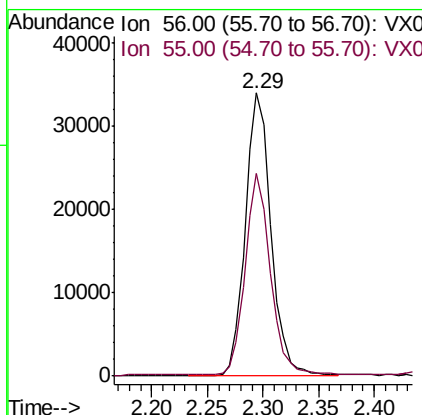
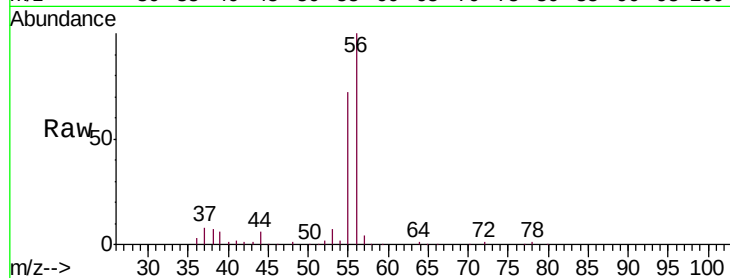
#13
Acrolein
Concen: 176.532 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	100	Resp	Lower	Upper
54693							
	56	55	100	69.5		57.0	85.4

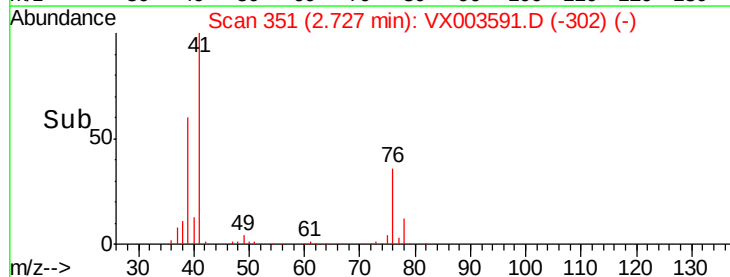
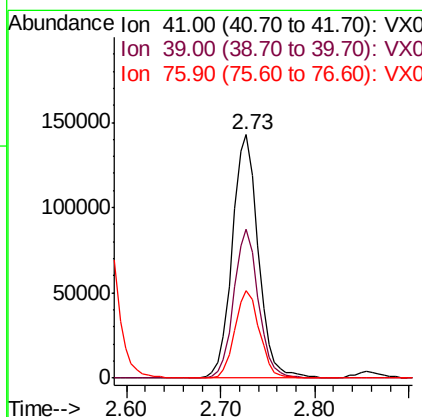
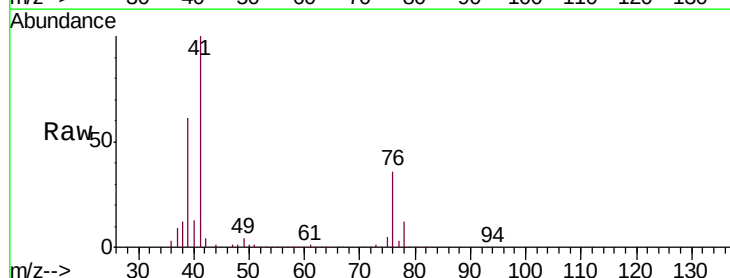
Manual Integrations
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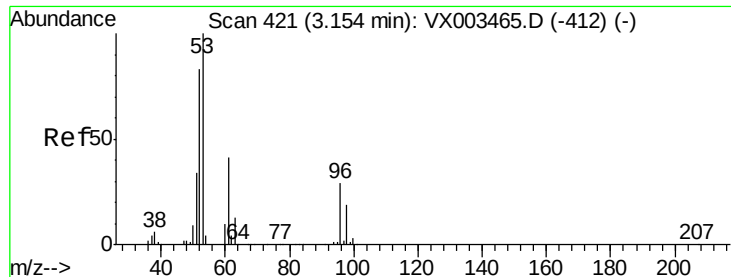
MMDadoda
7/24/2018 12:37:17 PM



#14
Allyl chloride
Concen: 51.861 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Tgt Ion	41	39	76	Ratio	100	Resp	Lower	Upper
274499								
	41	39	76	100	57.7	56.8	85.2	35.8





#15

Acrylonitrile

Concen: 252.593 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

Instrument :

MSVOA_X

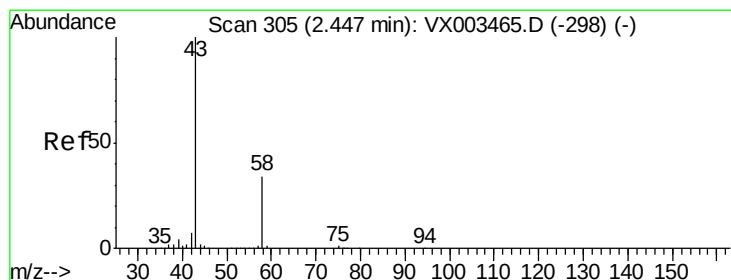
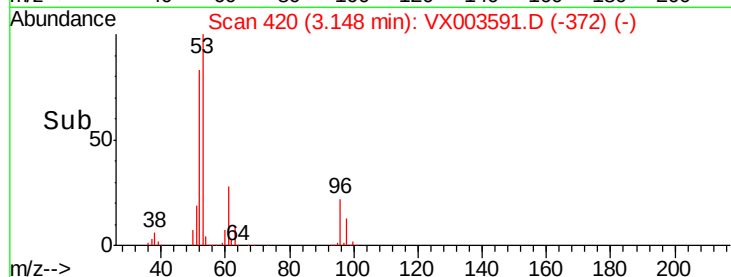
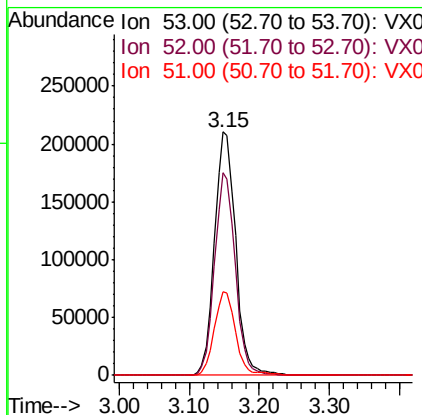
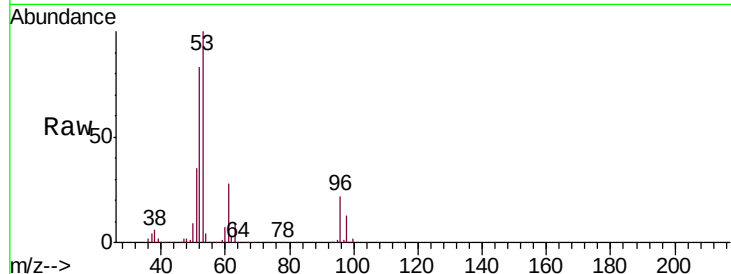
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	440968
Ion Ratio	Lower	Upper	
53	100		
52	81.4	66.7	100.1
51	34.5	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 271.760 ug/l

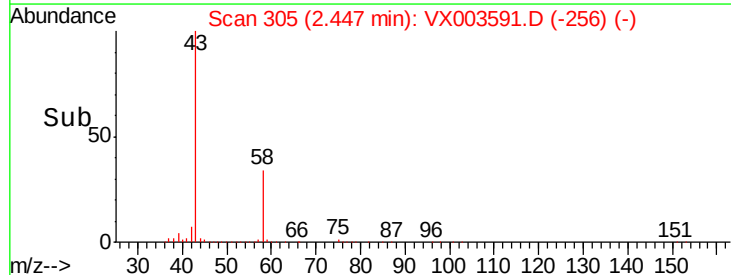
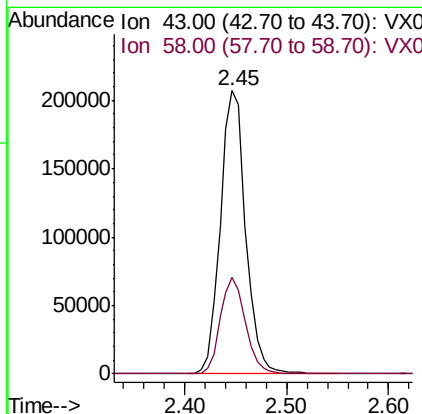
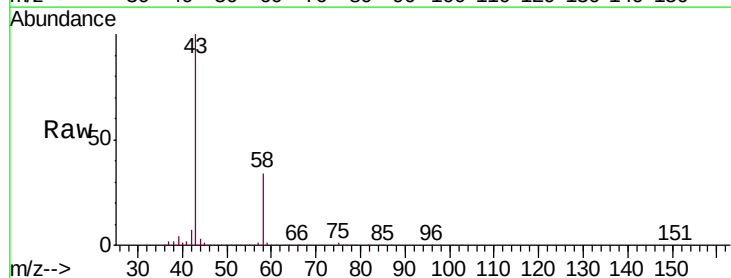
RT: 2.45 min Scan# 305

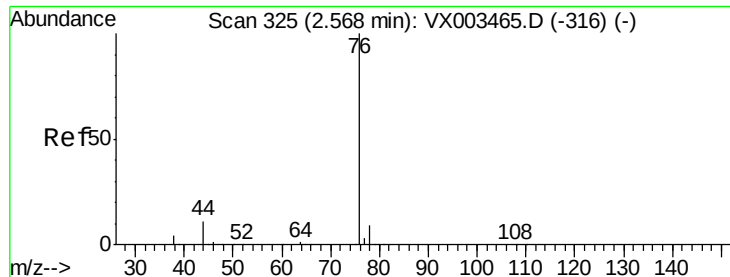
Delta R.T. 0.00 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

Tgt Ion:	43	Resp:	355712
Ion Ratio	Lower	Upper	
43	100		
58	34.0	22.1	33.1#





#17

Carbon Disulfide

Concen: 50.322 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 406910

Ion Ratio Lower Upper

76 100

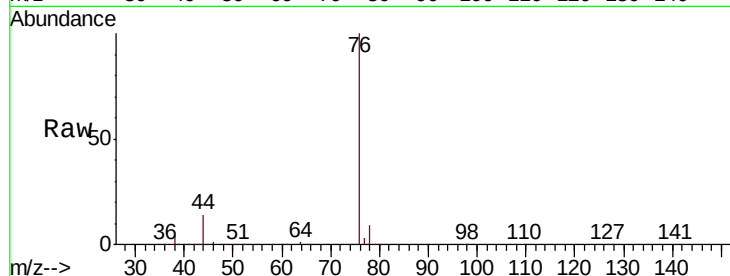
78 9.2 6.9 10.3

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

250000

200000

150000

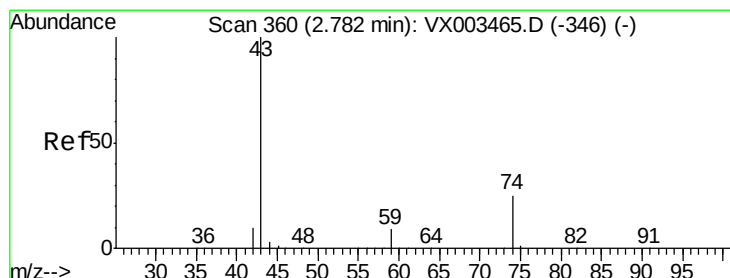
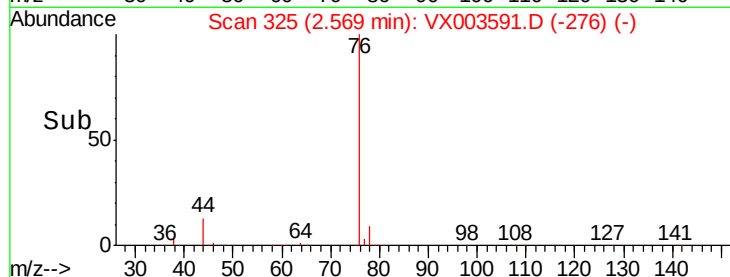
100000

50000

0

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 53.511 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX003591.D

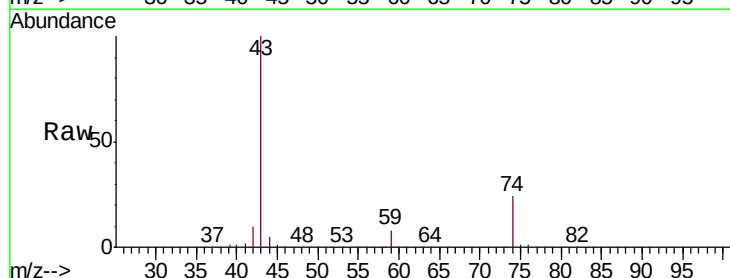
Acq: 23 Jul 2018 09:04

Tgt Ion: 43 Resp: 220809

Ion Ratio Lower Upper

43 100

74 24.2 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

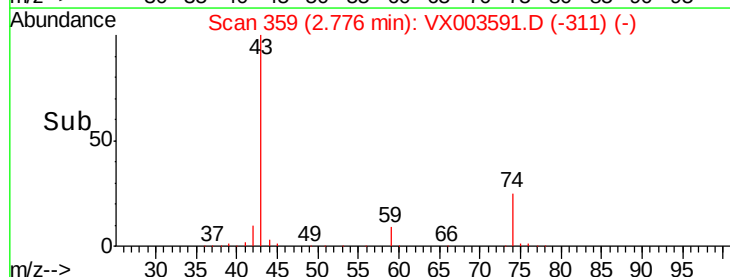
100000

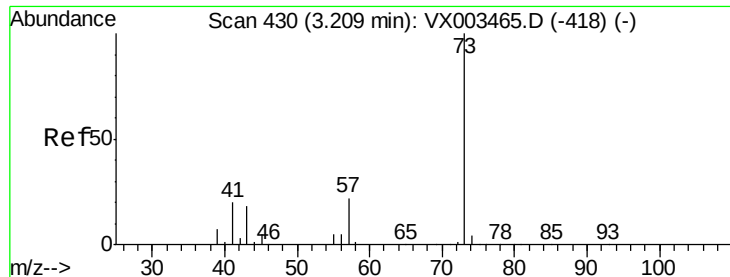
50000

0

2.70 2.80

Time-->





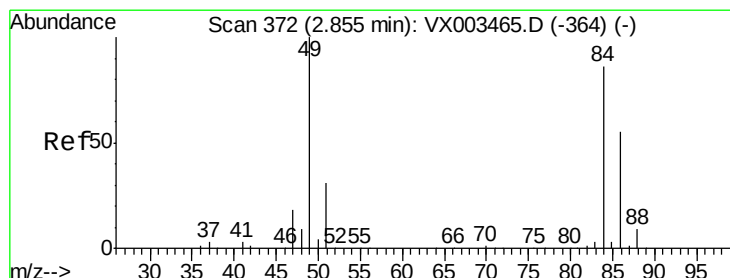
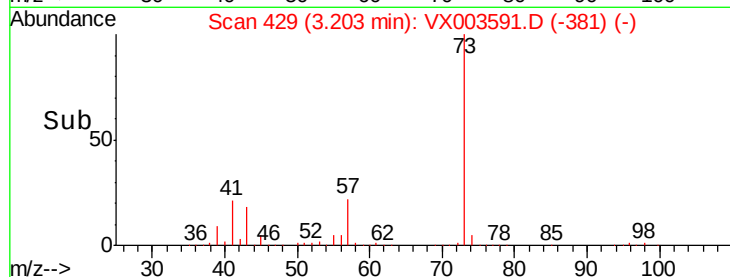
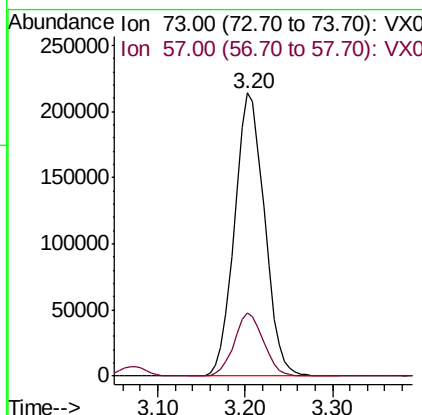
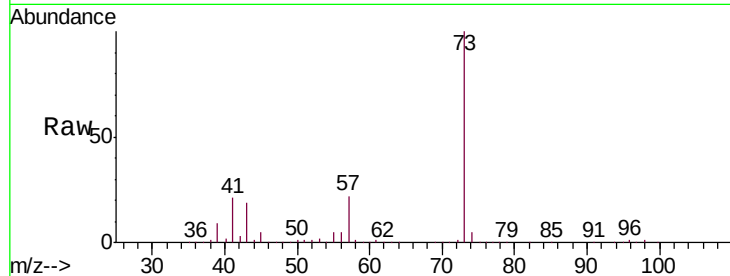
#19
Methyl tert-butyl Ether
Concen: 52.216 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 509811
Ion Ratio Lower Upper
73 100
57 22.4 17.7 26.5

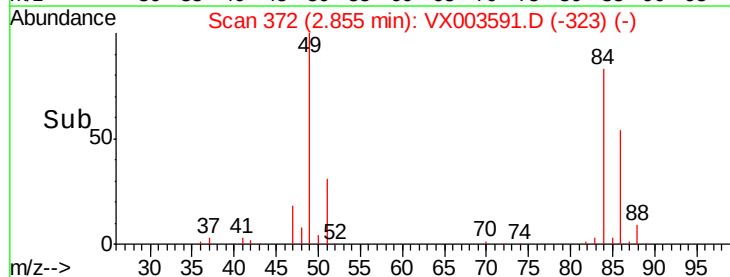
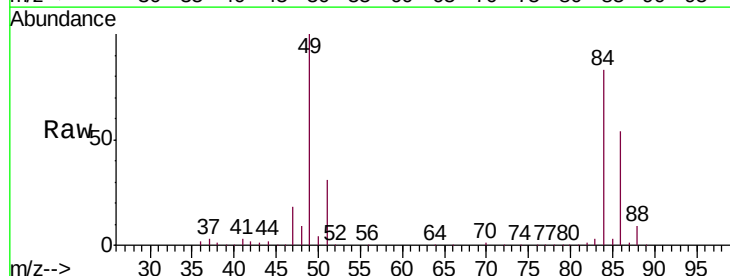
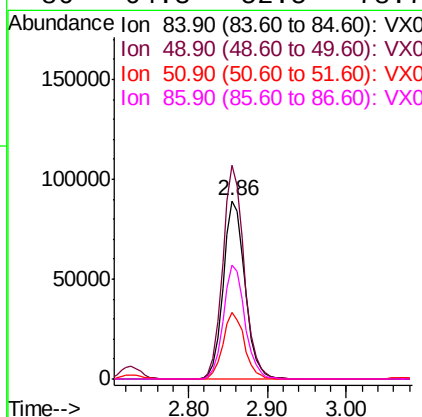
Manual Integrations
APPROVED

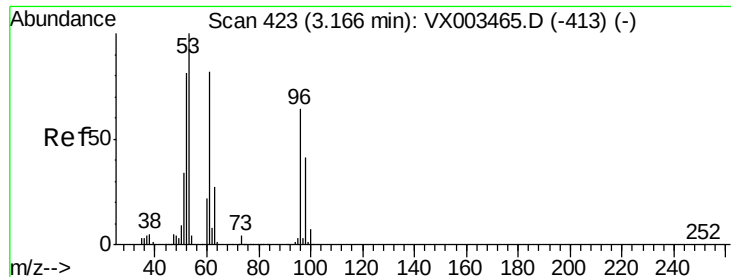
MMDadoda
7/24/2018 12:37:17 PM



#20
Methylene Chloride
Concen: 53.531 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Tgt Ion: 84 Resp: 171128
Ion Ratio Lower Upper
84 100
49 119.9 107.8 161.6
51 37.2 32.8 49.2
86 64.3 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 48.617 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

Instrument :

MSVOA_X

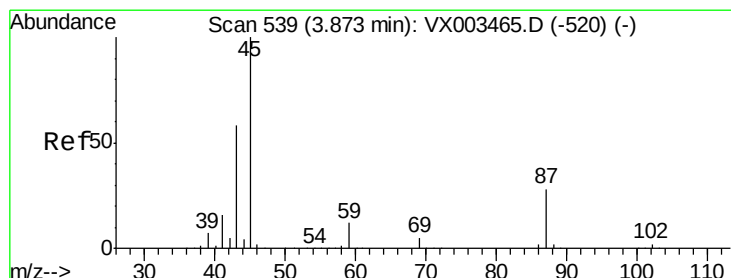
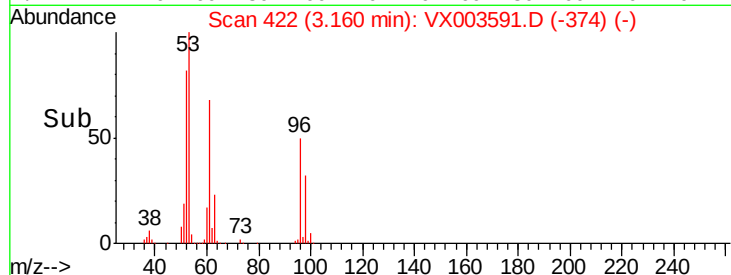
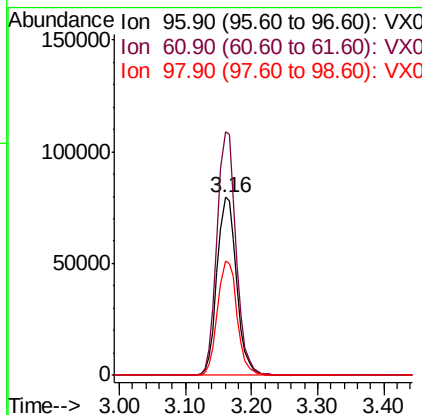
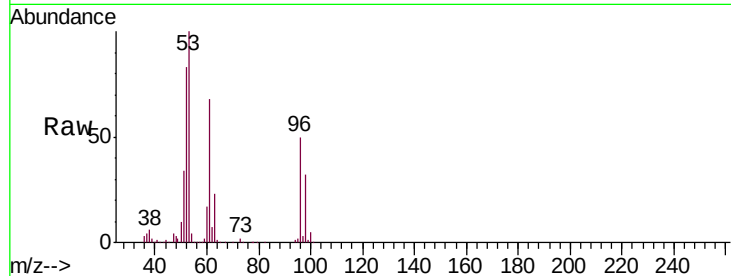
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	161736
Ion	Ratio	Lower	Upper
96	100		
61	136.6	117.0	175.4
98	64.2	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.566 ug/l

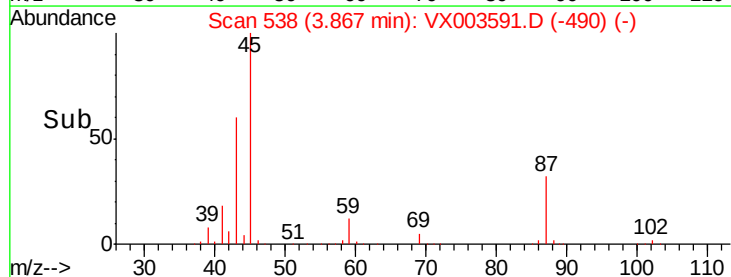
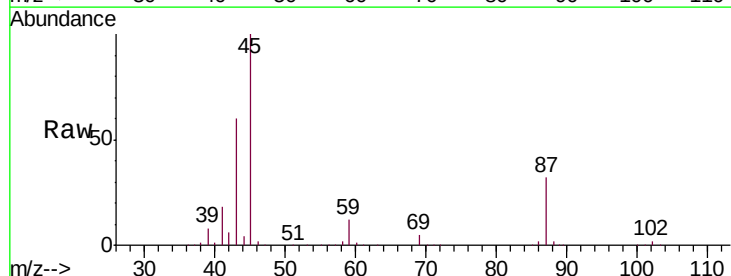
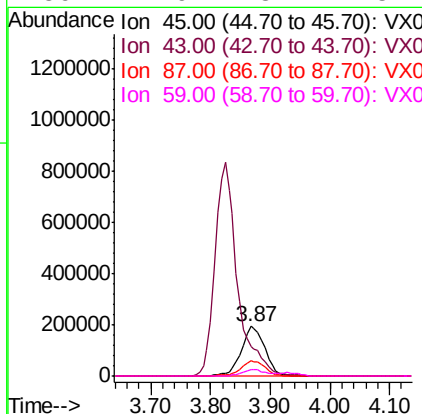
RT: 3.87 min Scan# 538

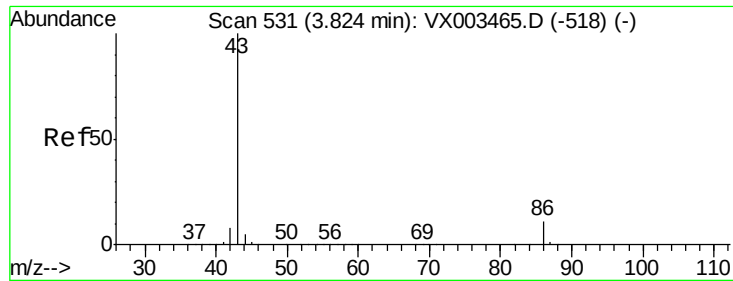
Delta R.T. -0.01 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

Tgt Ion:	45	Resp:	533500
Ion	Ratio	Lower	Upper
45	100		
43	59.5	46.8	70.2
87	31.7	20.2	30.4#
59	11.9	8.7	13.1





#23

Vinyl Acetate

Concen: 265.749 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2180183

Ion Ratio Lower Upper

43 100

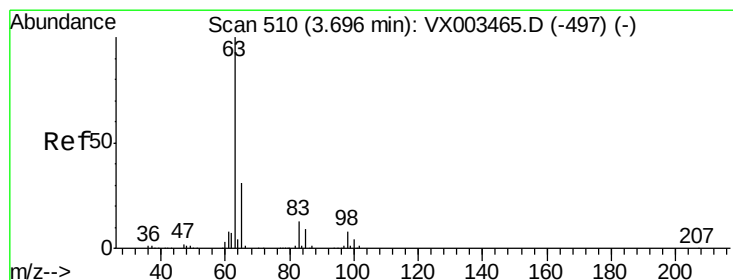
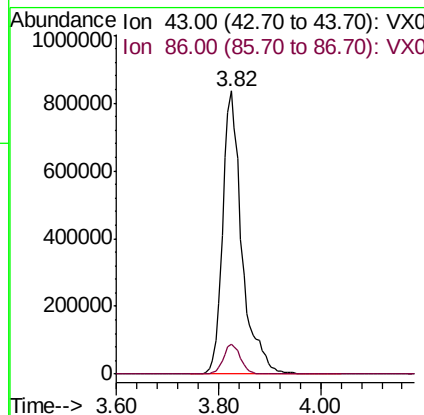
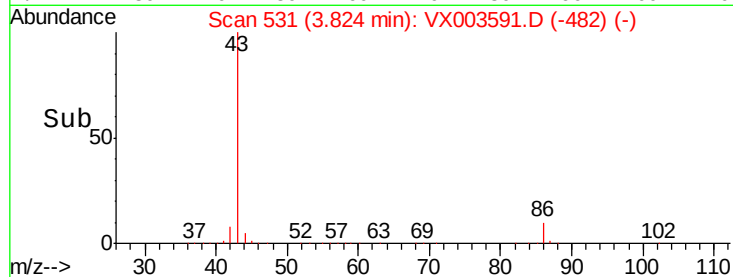
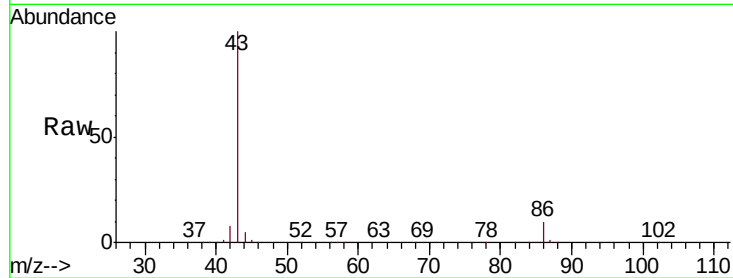
86 10.5 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.342 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

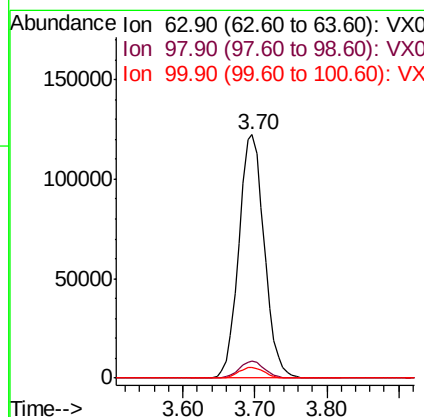
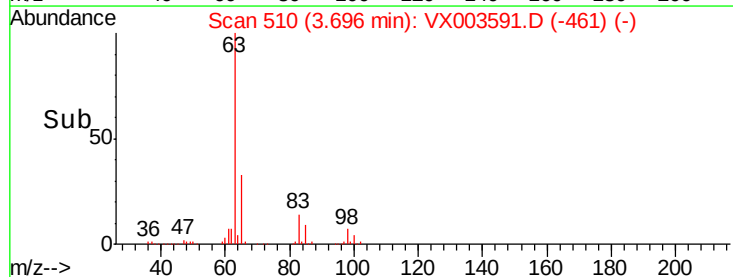
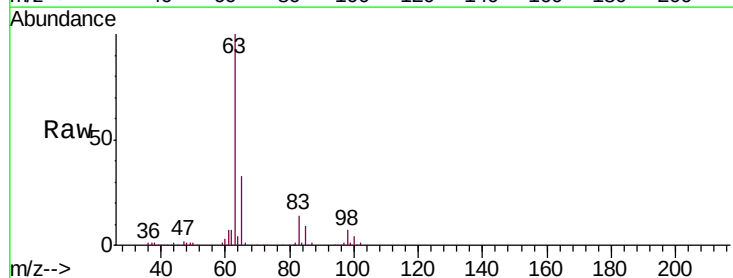
Tgt Ion: 63 Resp: 300020

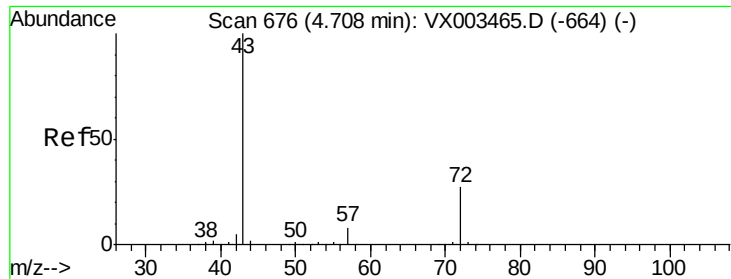
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 259.328 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 569518

Ion Ratio Lower Upper

43 100

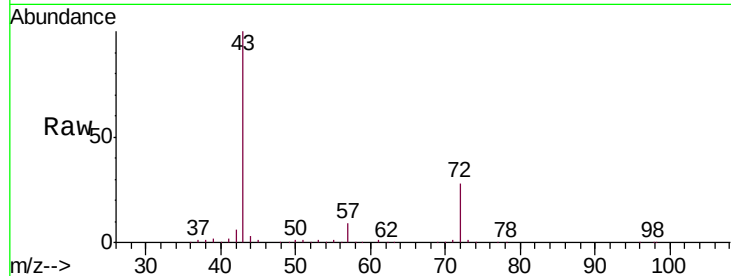
72 27.6 18.5 27.7

Manual Integrations

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MMDadoda

7/24/2018 12:37:17 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

100000

50000

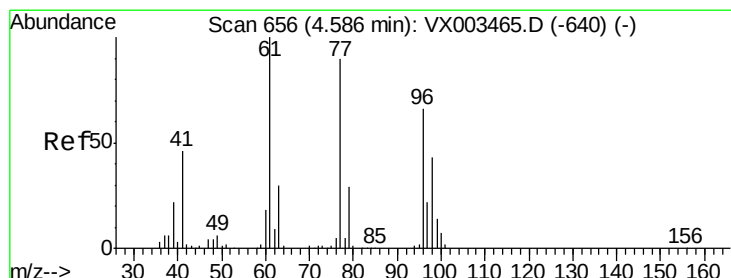
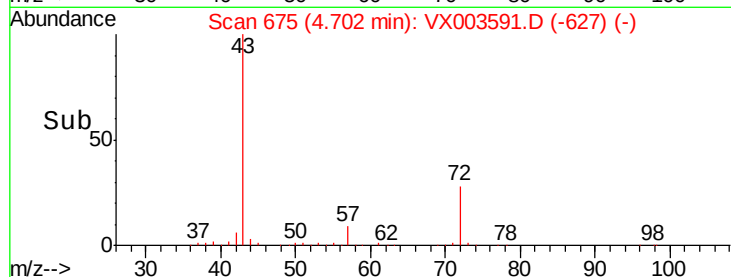
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 54.726 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003591.D

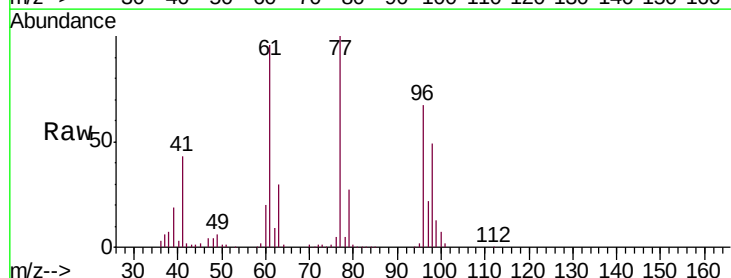
Acq: 23 Jul 2018 09:04

Tgt Ion: 77 Resp: 242884

Ion Ratio Lower Upper

77 100

97 24.4 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

100000

80000

60000

40000

20000

0

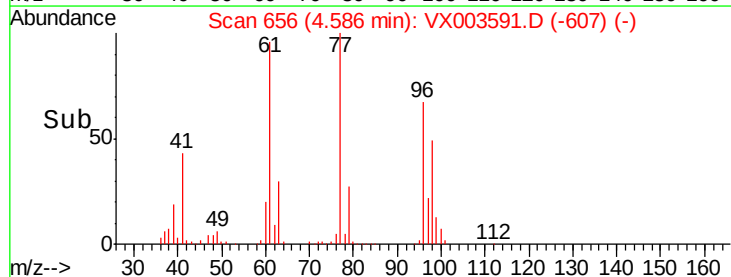
4.40

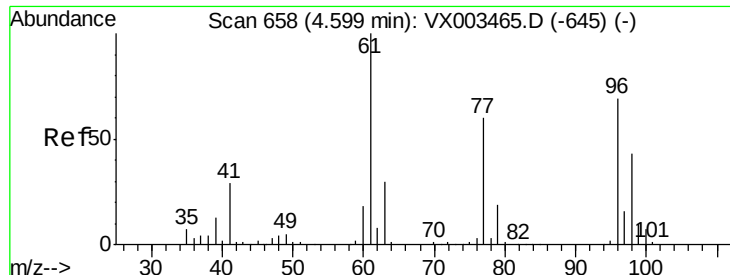
4.50

4.60

4.70

Time-->





#27

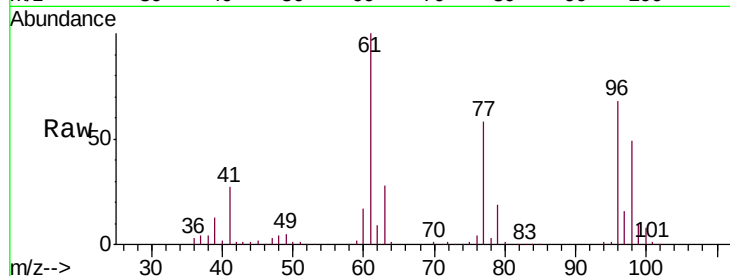
cis-1,2-Dichloroethene
Concen: 50.500 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

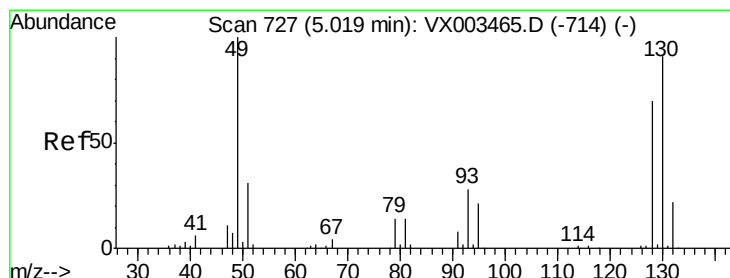
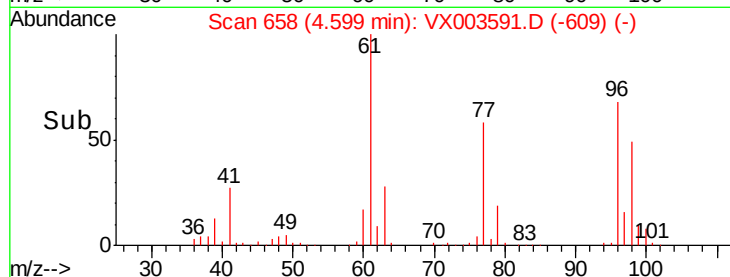
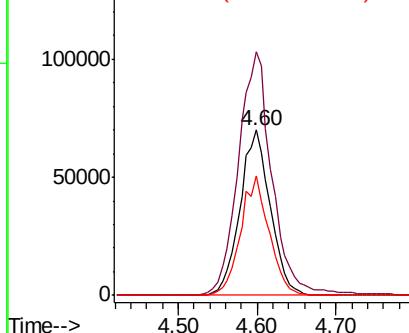
Tot Ion	Ratio	Resp	Lower	Upper
96	100	187061		
61	164.2	0.0	330.2	
98	67.8	0.0	130.2	

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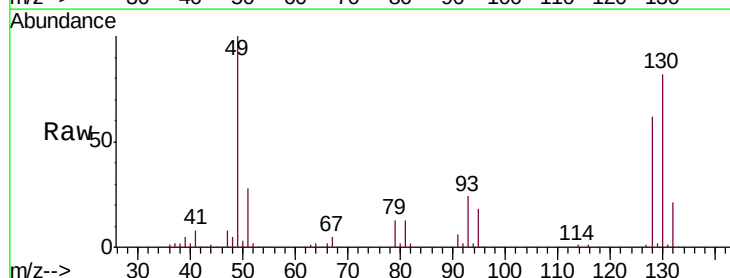
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



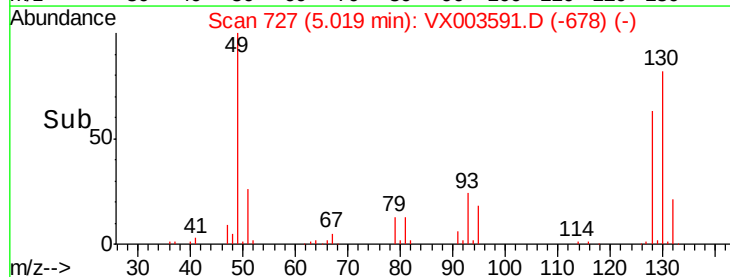
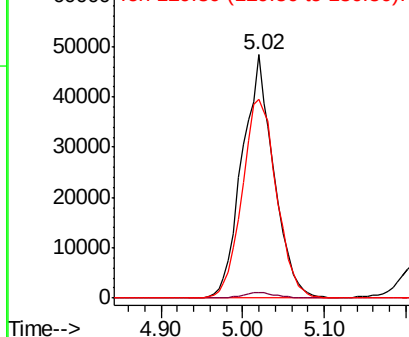
#28

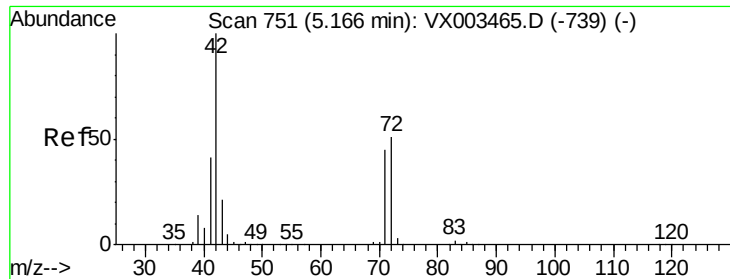
Bromochloromethane
Concen: 51.079 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	130465		
129	2.3	0.0	4.2	
130	88.9	61.2	91.8	



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





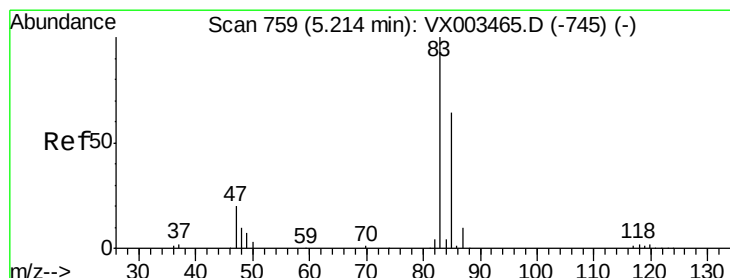
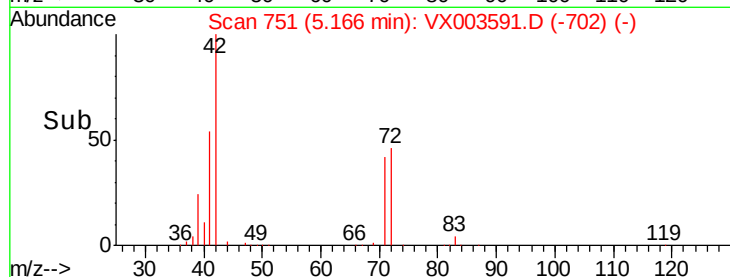
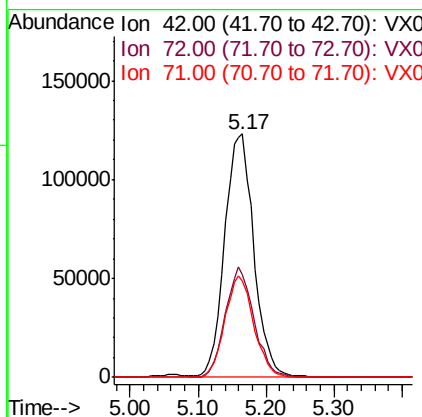
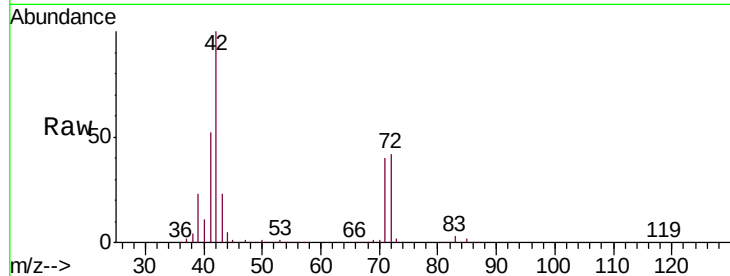
#29
Tetrahydrofuran
Concen: 251.226 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	32.0	48.0
71	41.4	30.1	45.1

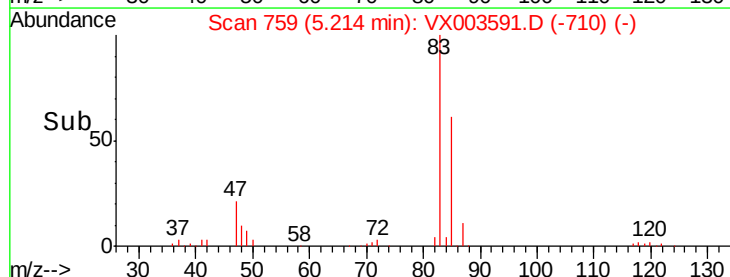
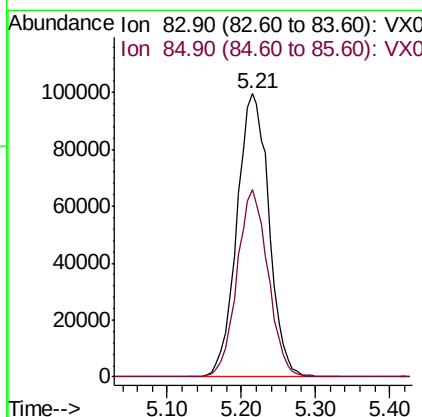
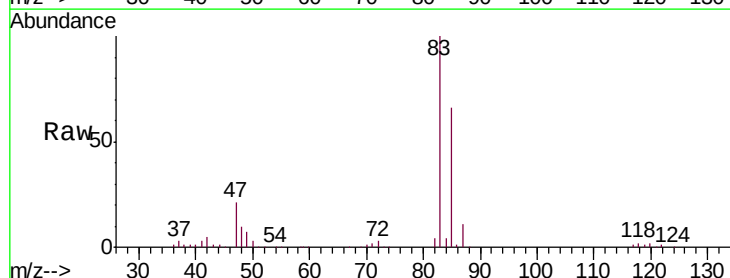
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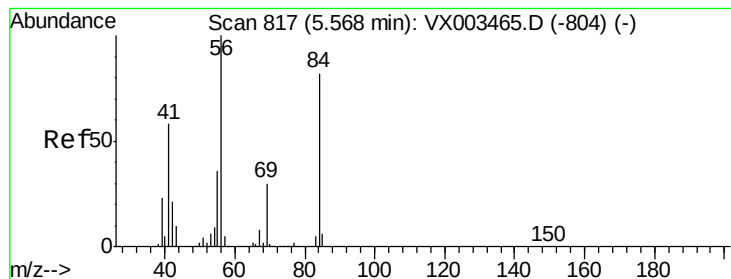
MMDadoda
7/24/2018 12:37:17 PM



#30
Chloroform
Concen: 52.622 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	50.4	75.6





#31

Cyclohexane

Concen: 48.225 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

Instrument :

MSVOA_X

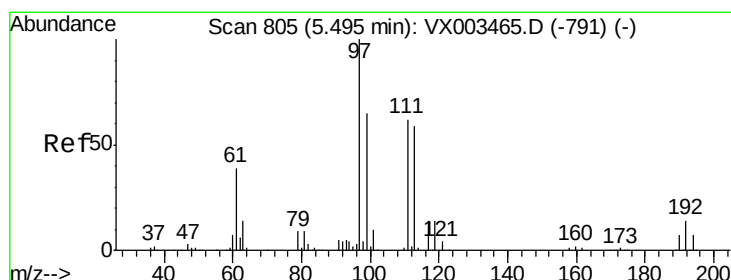
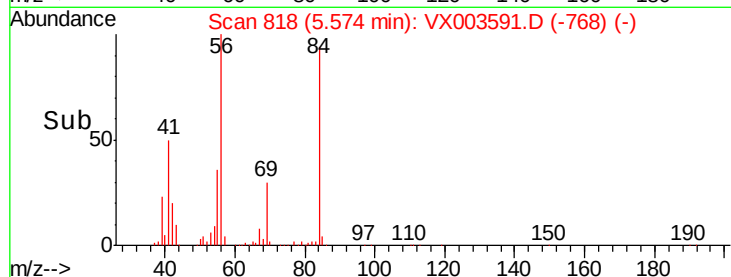
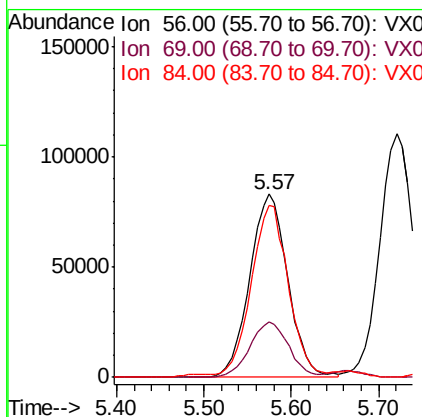
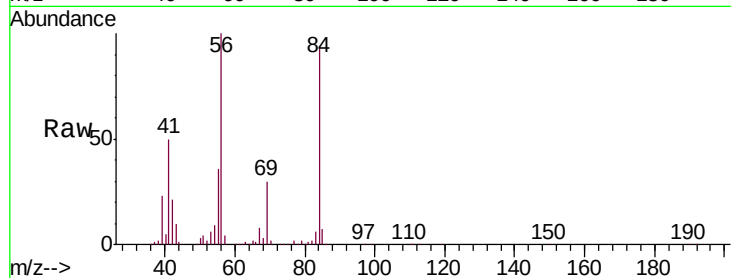
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	251789
Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.7	35.5
84	92.5	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.935 ug/l

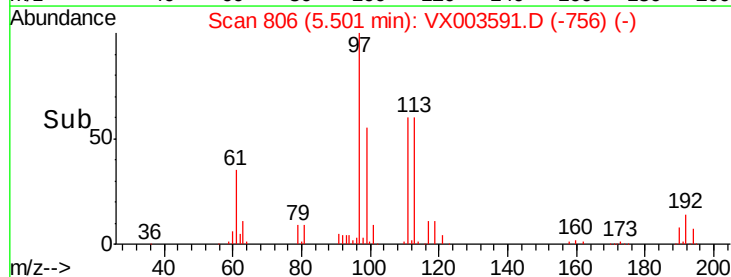
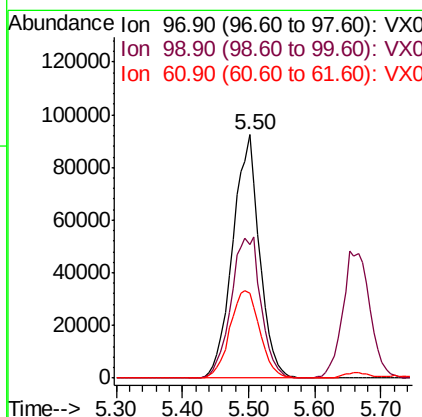
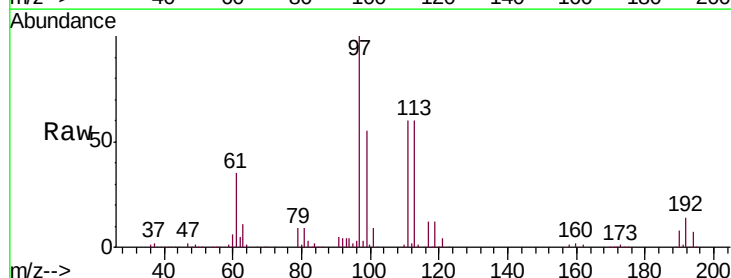
RT: 5.50 min Scan# 806

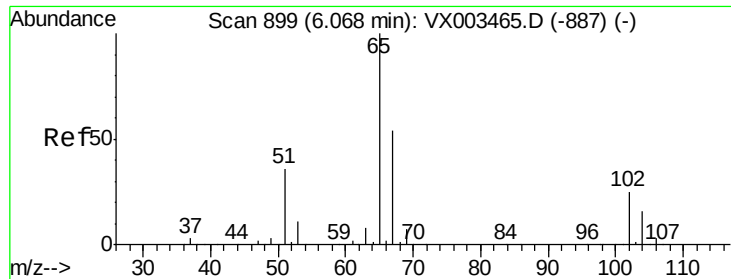
Delta R.T. 0.01 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

Tgt Ion:	97	Resp:	258657
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.6	77.4
61	40.2	36.4	54.6





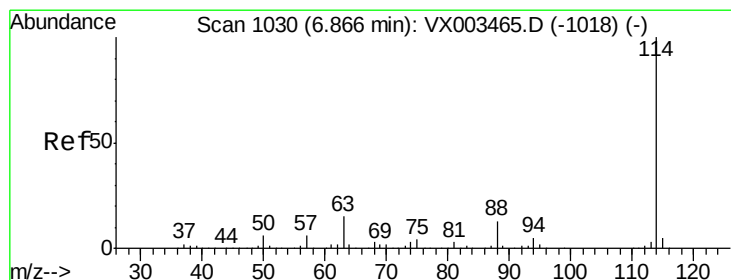
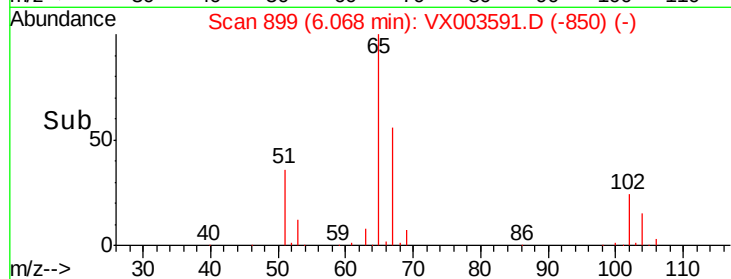
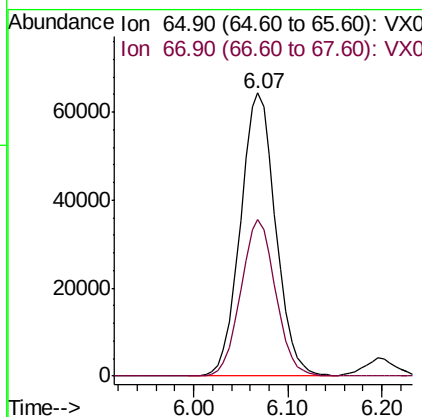
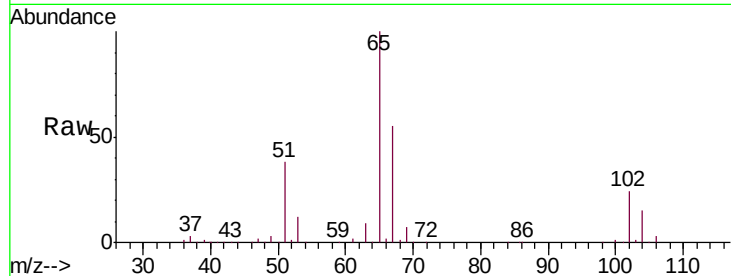
#33
 1,2-Dichloroethane-d4
 Concen: 48.509 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003591.D
 Acq: 23 Jul 2018 09:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	102.6

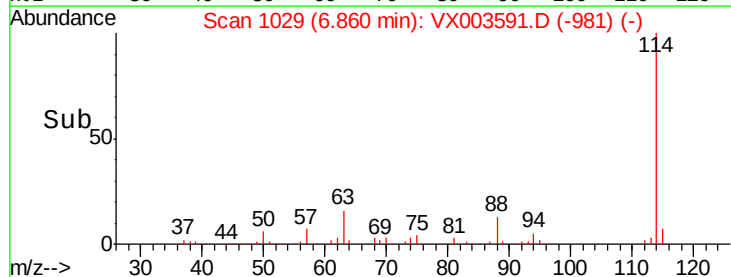
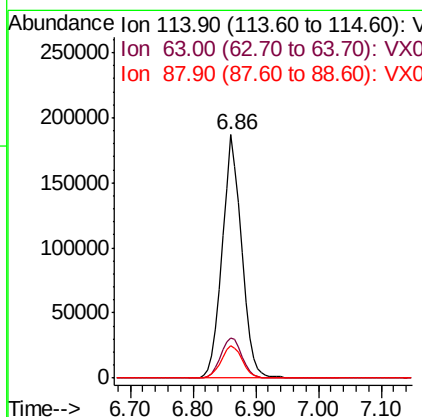
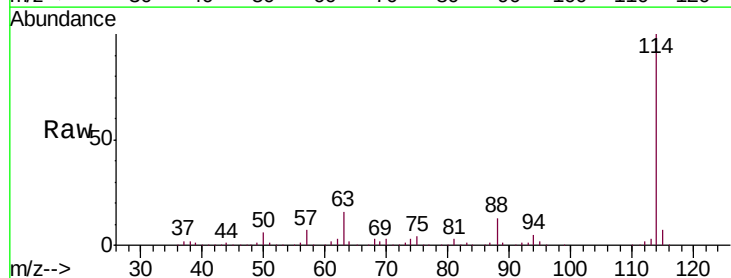
Manual Integrations
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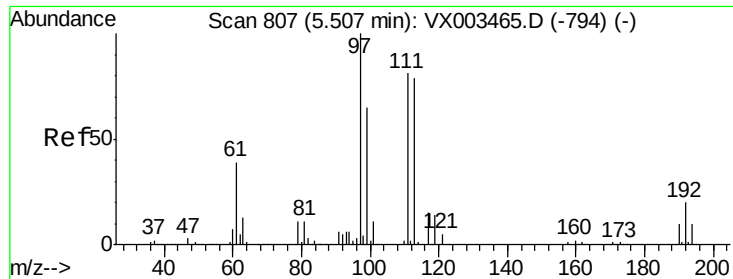
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 7/24/2018 12:37:17 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003591.D
 Acq: 23 Jul 2018 09:04

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.4	0.0	41.4
88	13.2	0.0	30.0





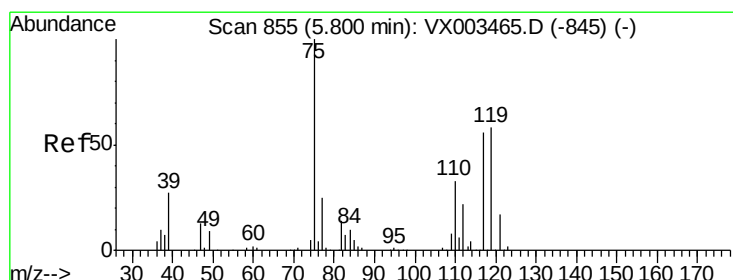
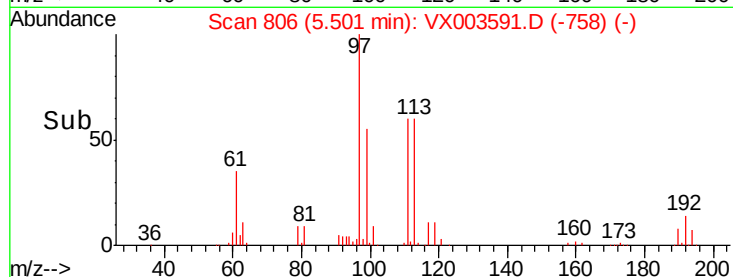
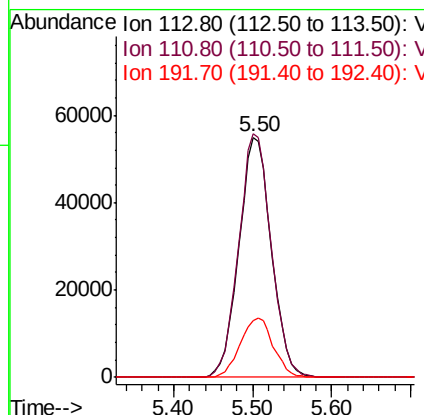
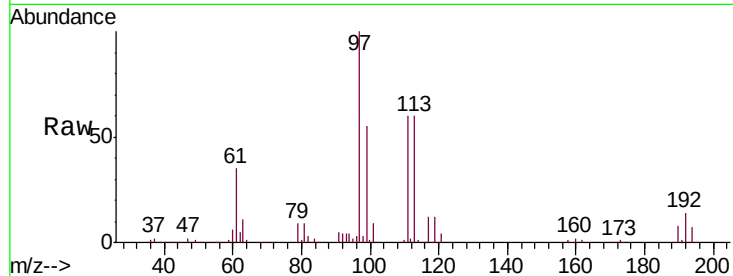
#35
 Dibromofluoromethane
 Concen: 51.442 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX003591.D
 Acq: 23 Jul 2018 09:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	157255		
111	101.3	81.4	122.0	
192	25.1	19.1	28.7	

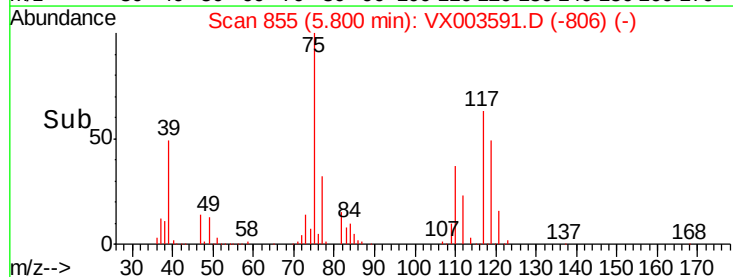
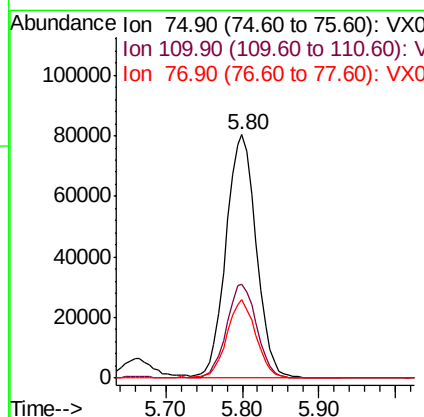
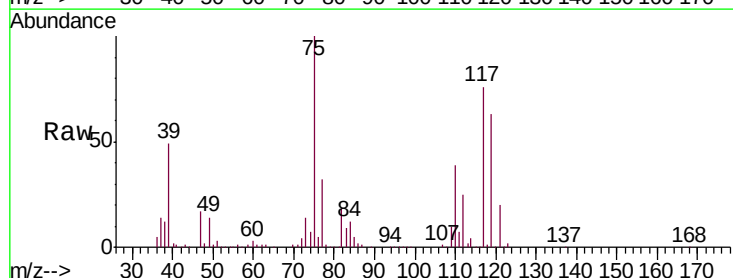
Manual Integrations
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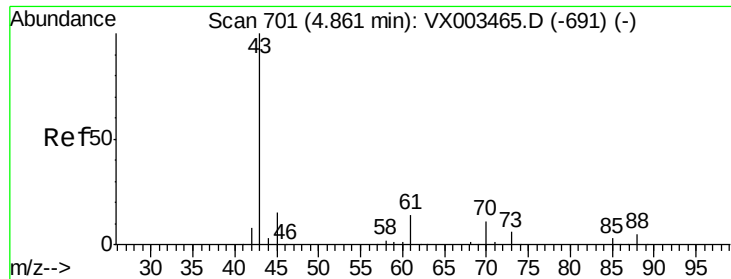
MMDadoda
 7/24/2018 12:37:17 PM



#36
 1,1-Dichloropropene
 Concen: 50.507 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003591.D
 Acq: 23 Jul 2018 09:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	218859		
110	38.5	18.1	54.4	
77	31.4	24.3	36.5	





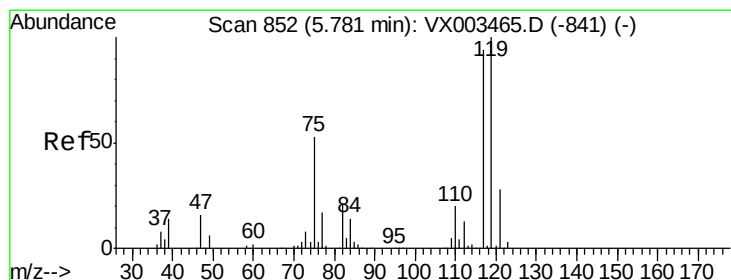
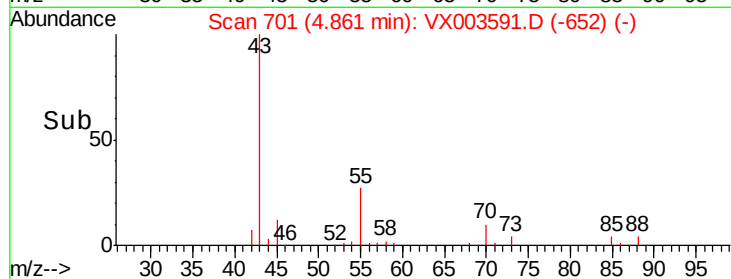
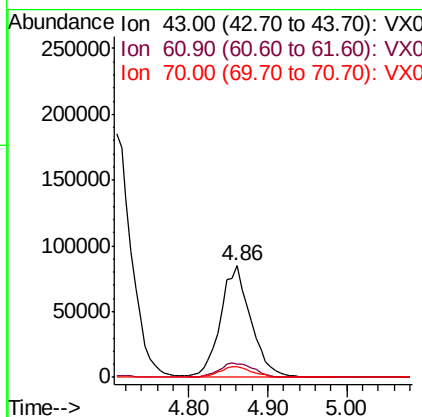
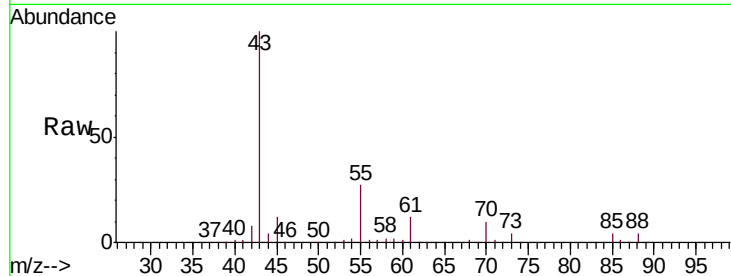
#37
Ethyl Acetate
Concen: 55.056 ug/l
RT: 4.86 min Scan# 701
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	225752
Ion	Ratio	Lower	Upper
43	100		
61	14.7	10.4	15.6
70	10.7	7.6	11.4

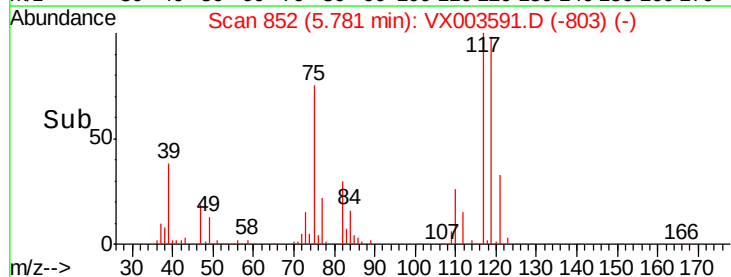
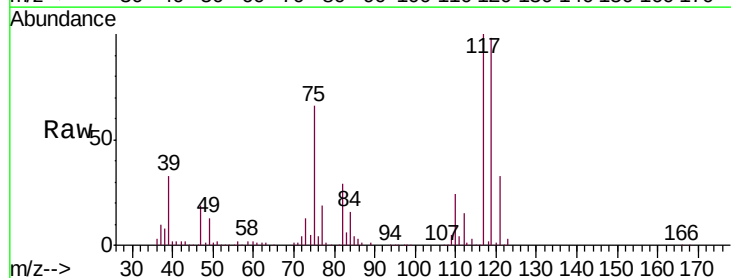
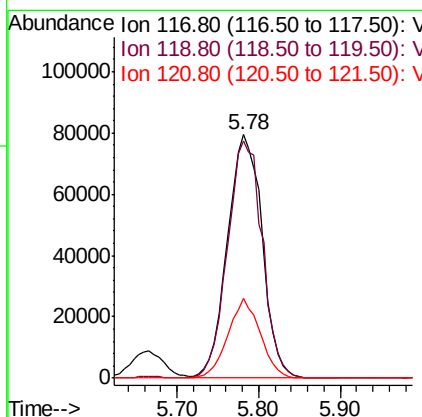
Manual Integrations
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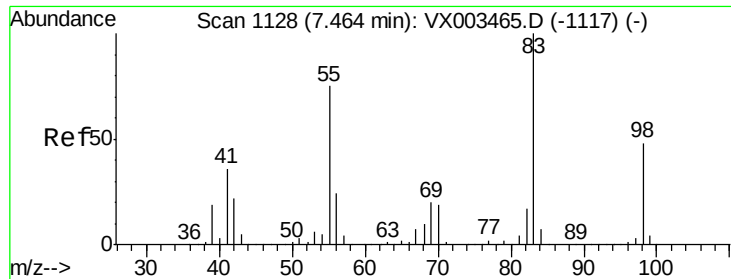
MMDadoda
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#38
Carbon Tetrachloride
Concen: 54.962 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Tgt Ion:	117	Resp:	233608
Ion	Ratio	Lower	Upper
117	100		
119	97.6	77.4	116.0
121	32.6	24.4	36.6





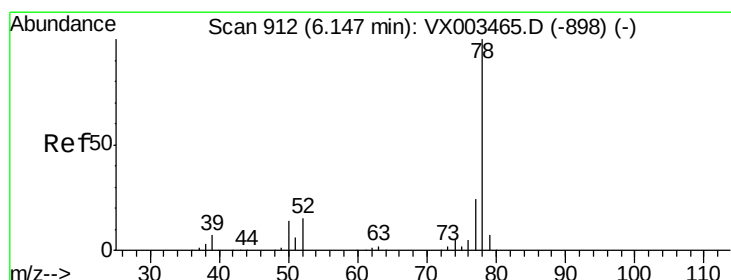
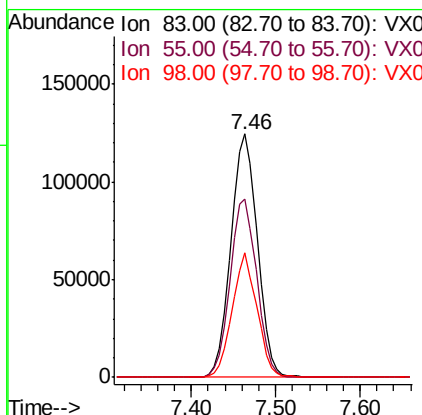
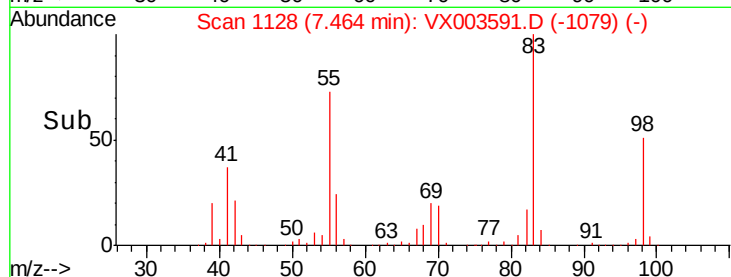
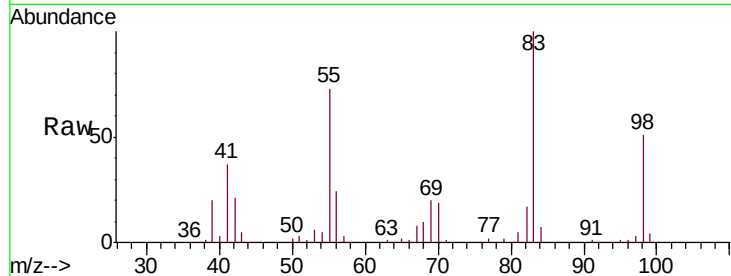
#39
Methylvlcyclohexane
Concen: 51.754 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.3	65.4	98.0
98	51.1	37.4	56.0

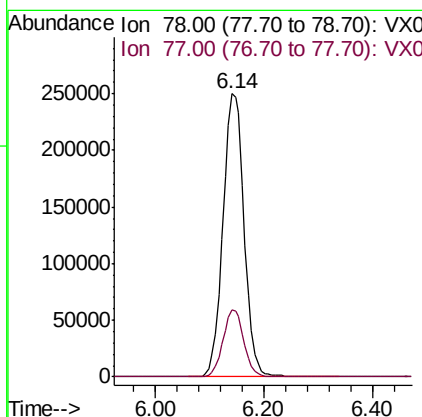
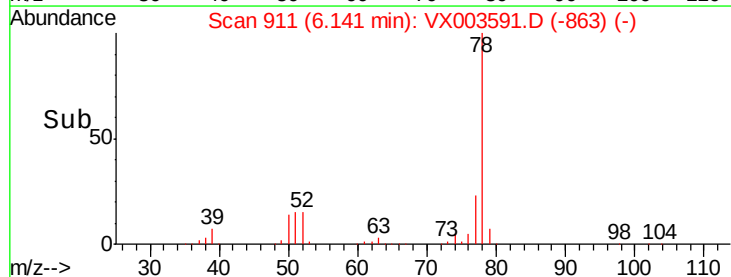
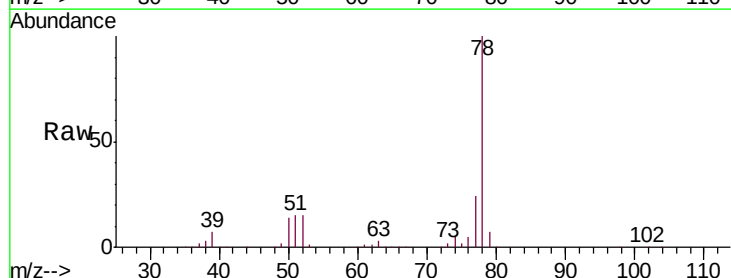
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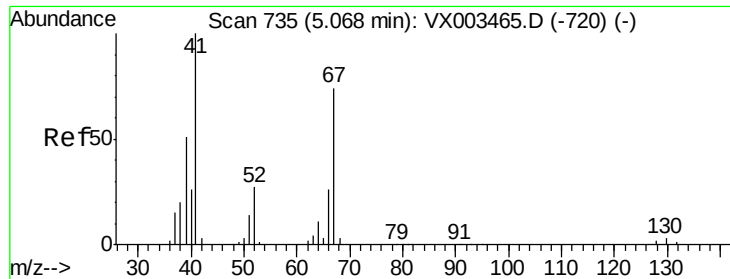
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#40
Benzene
Concen: 51.478 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





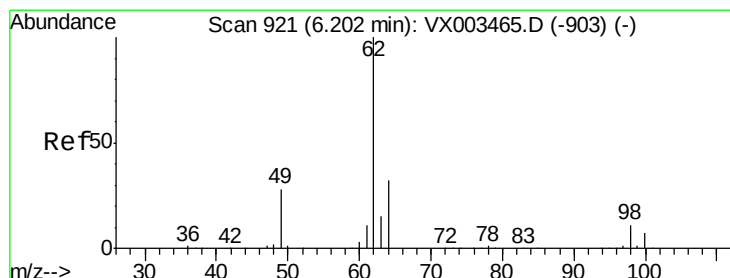
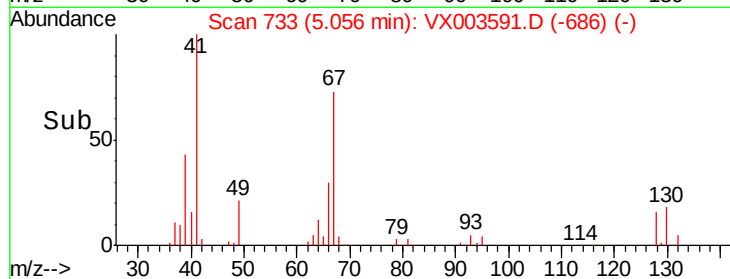
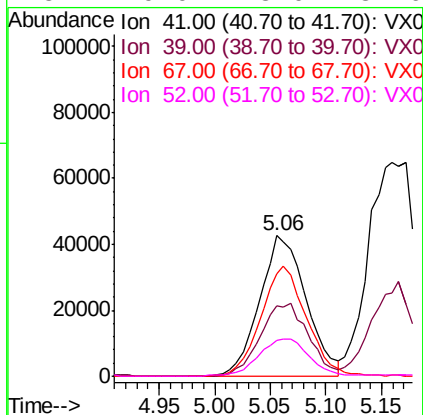
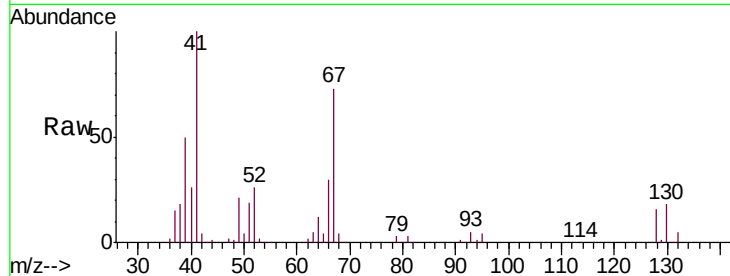
#41
Methacrylonitrile
Concen: 51.450 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.5	45.8	68.6	
67	76.8	51.3	76.9	
52	29.0	23.0	34.6	

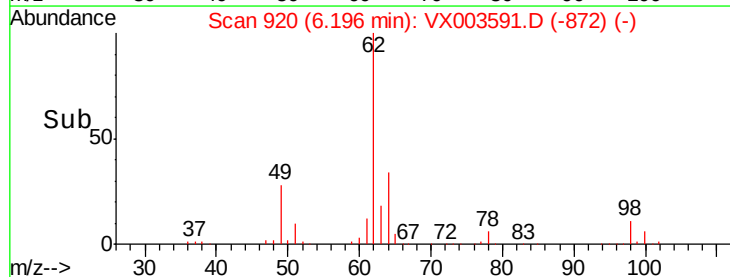
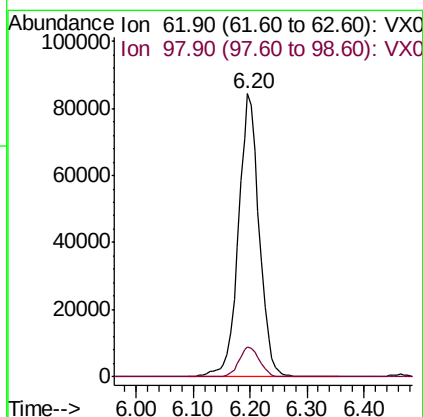
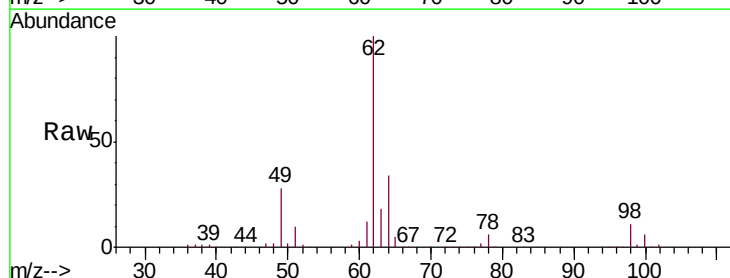
Manual Integrations
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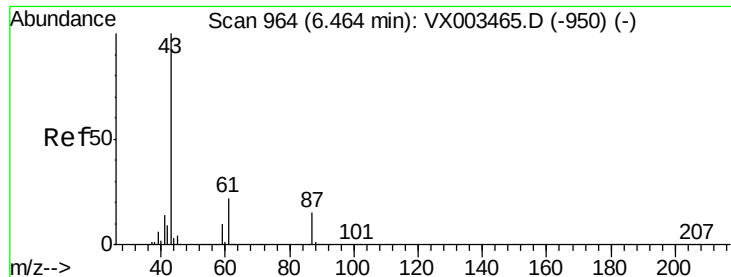
MMDadoda
7/24/2018 12:37:17 PM



#42
1,2-Dichloroethane
Concen: 52.090 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.6	0.0	16.6	





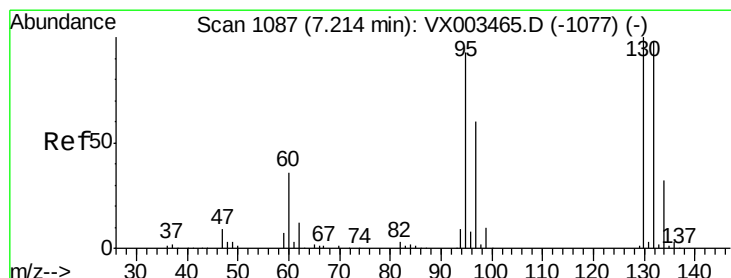
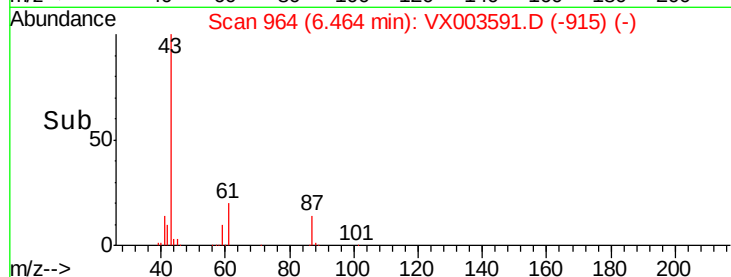
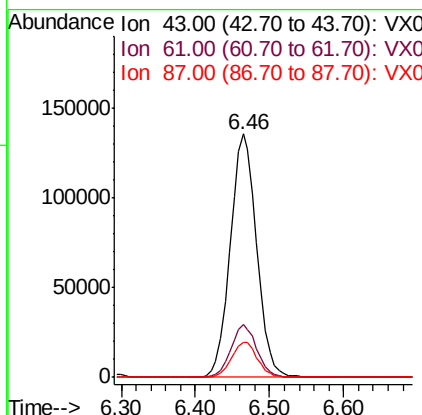
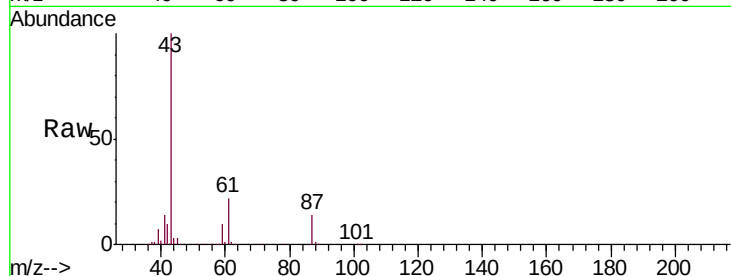
#43
Isopropyl Acetate
Concen: 51.348 ug/l
RT: 6.46 min Scan# 964
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.2	14.4	21.6
87	14.5	9.5	14.3

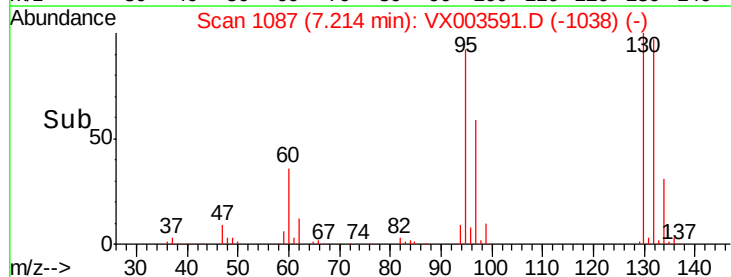
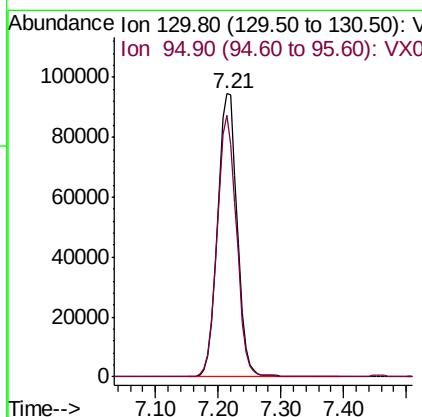
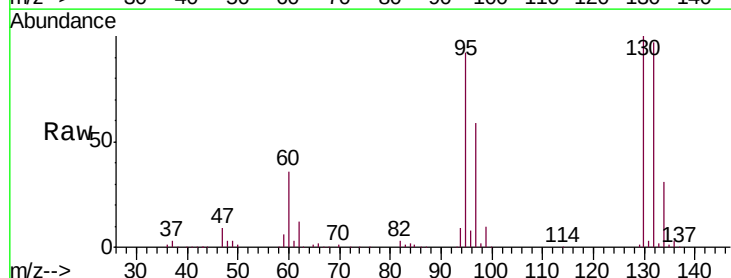
Manual Integrations
APPROVED

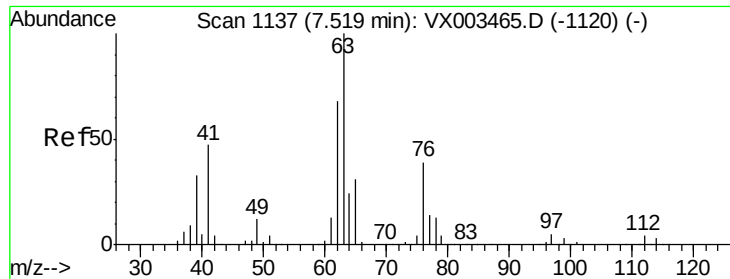
MMDadoda
7/24/2018 12:37:17 PM



#44
Trichloroethene
Concen: 52.478 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	185.4





#45

1,2-Dichloropropane

Concen: 52.551 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 174576

Ion Ratio Lower Upper

63 100

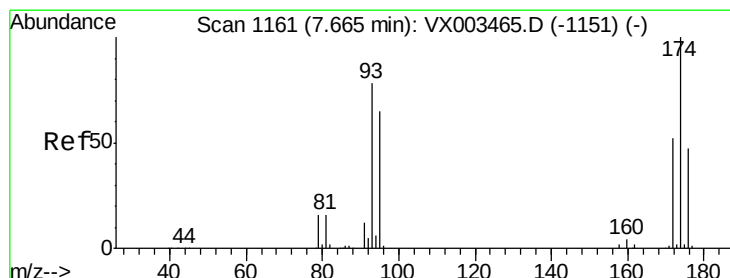
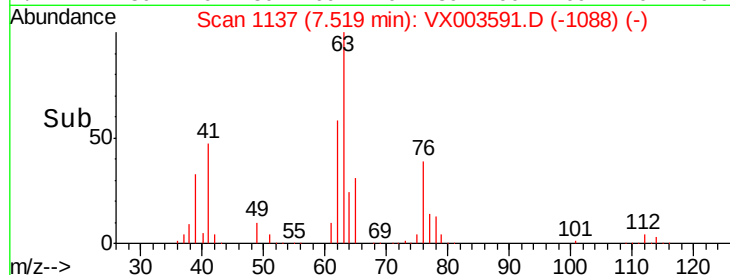
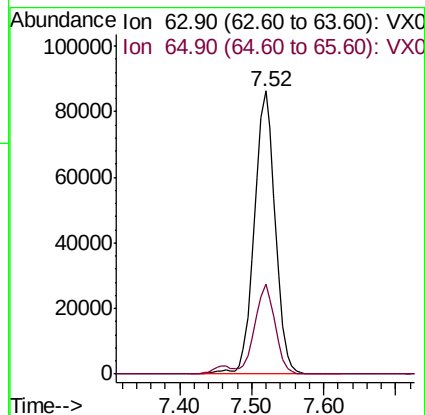
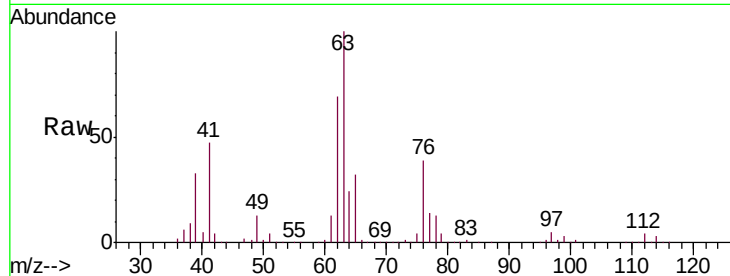
65 31.9 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 53.878 ug/l

RT: 7.66 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

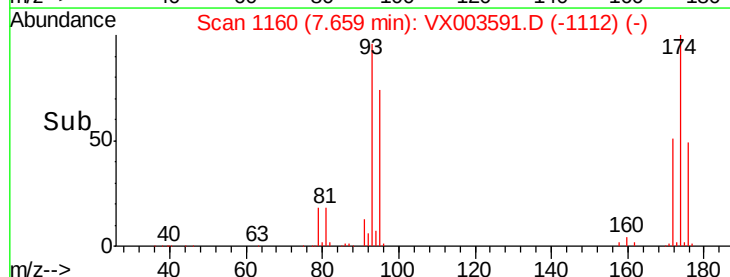
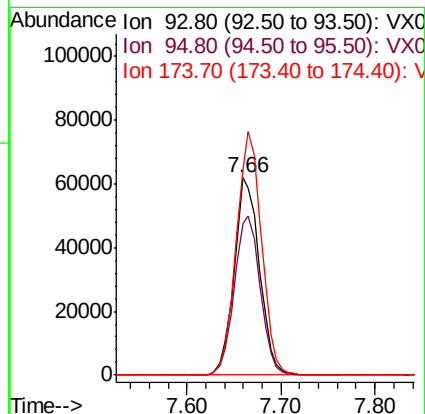
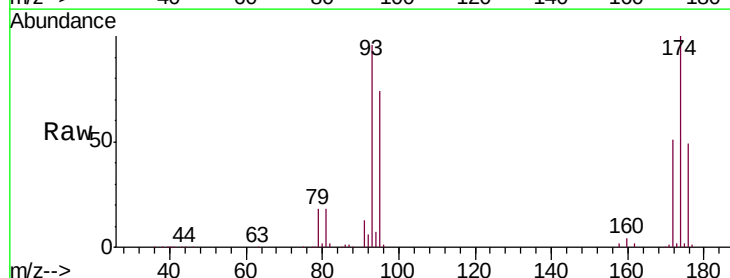
Tgt Ion: 93 Resp: 115230

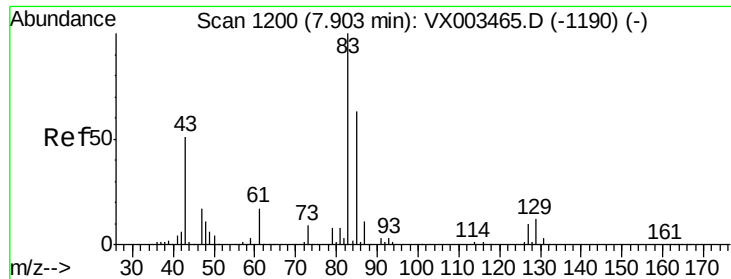
Ion Ratio Lower Upper

93 100

95 82.9 65.9 98.9

174 123.9 92.4 138.6





#47

Bromodichloromethane

Concen: 55.445 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

Instrument :

MSVOA_X

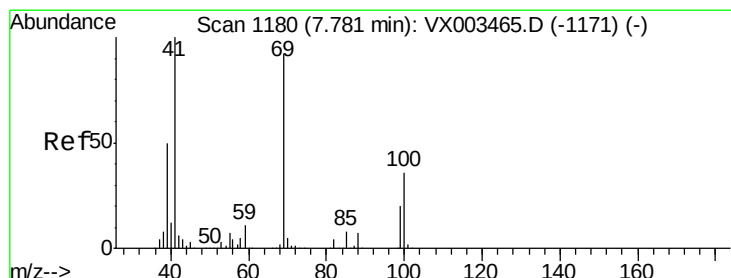
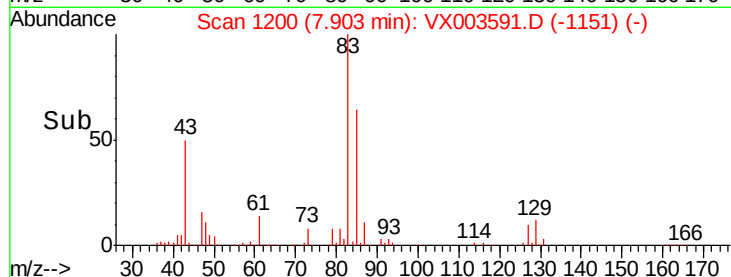
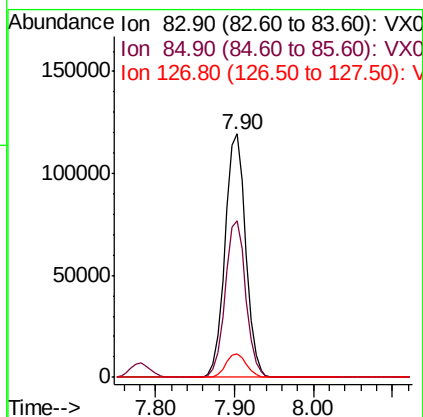
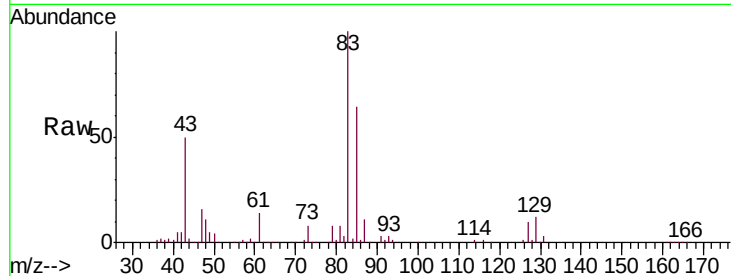
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	217086
Ion Ratio	Lower	Upper	
83	100		
85	64.4	50.3	75.5
127	9.5	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.673 ug/l

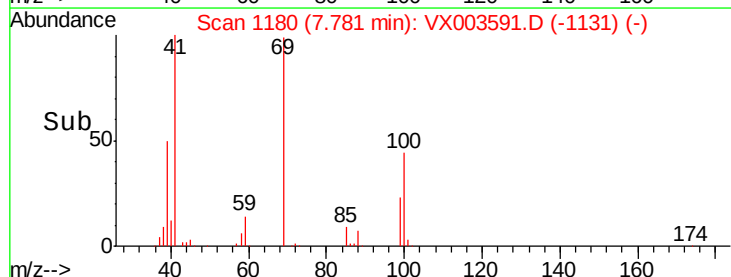
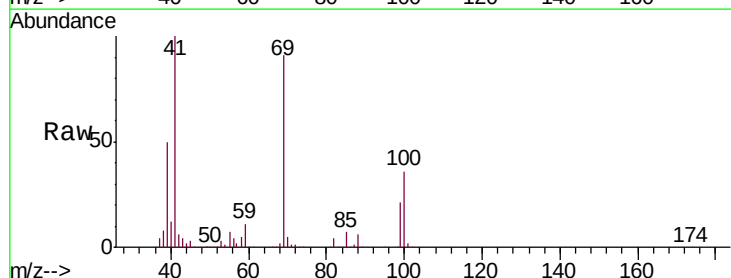
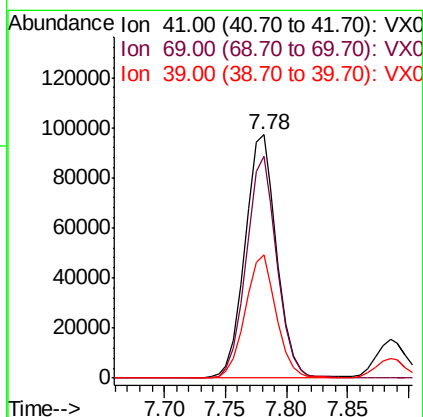
RT: 7.78 min Scan# 1180

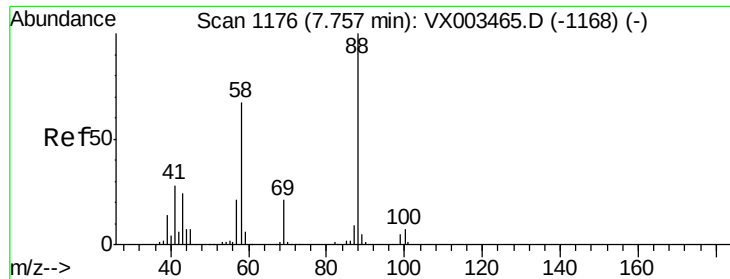
Delta R.T. 0.00 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

Tgt Ion:	41	Resp:	173260
Ion Ratio	Lower	Upper	
41	100		
69	89.4	59.1	88.7#
39	49.7	48.9	73.3





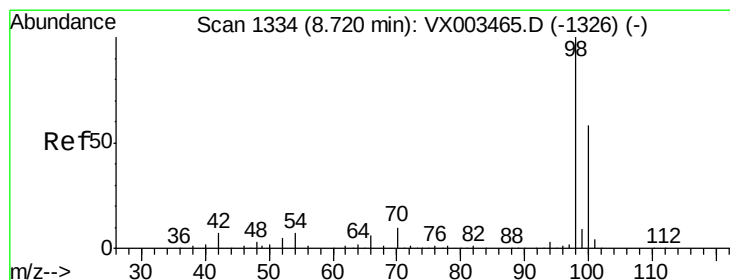
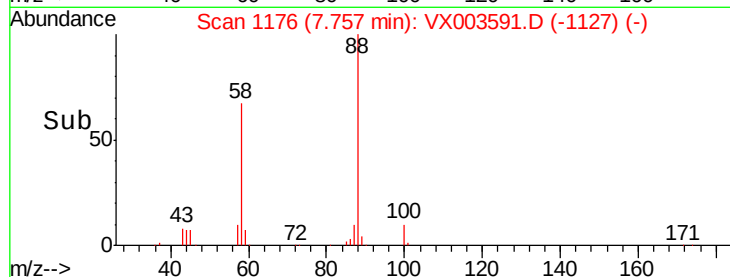
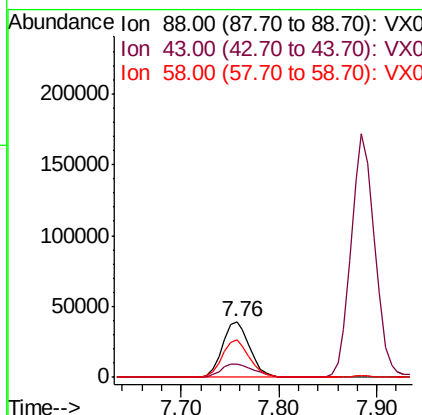
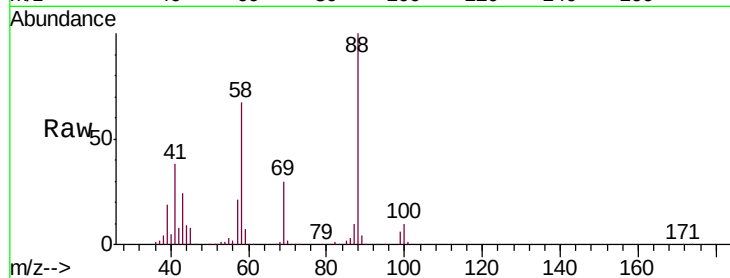
#49
1,4-Dioxane
Concen: 1010.304 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.4	29.8	44.6#
58	67.6	57.1	85.7

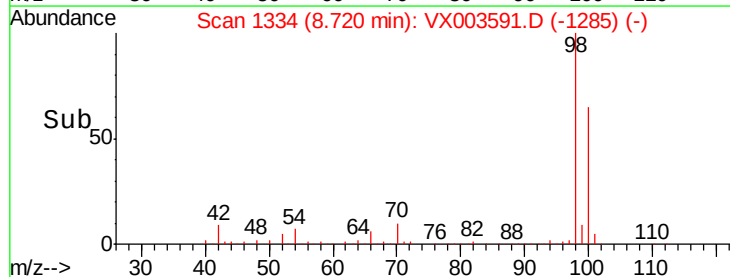
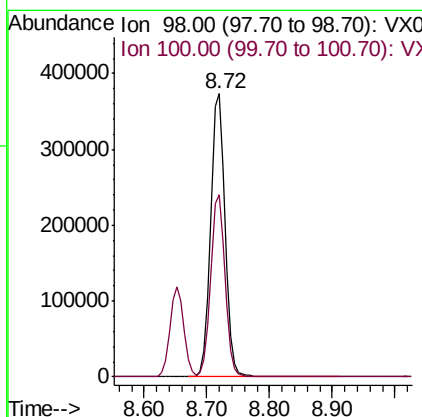
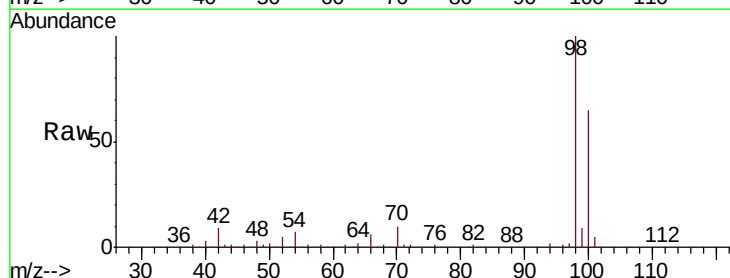
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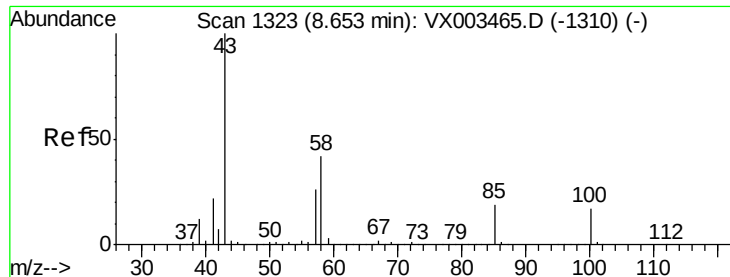
MMDadoda
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#50
Toluene-d8
Concen: 51.530 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 266.588 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1098536

Ion Ratio Lower Upper

43 100

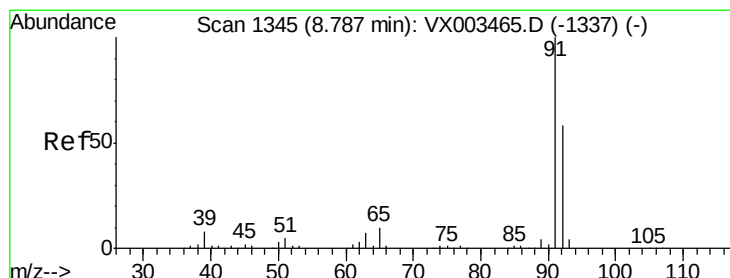
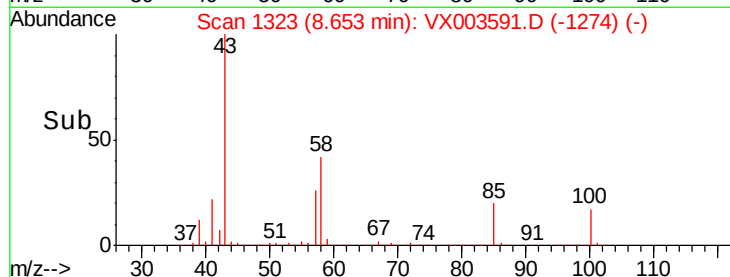
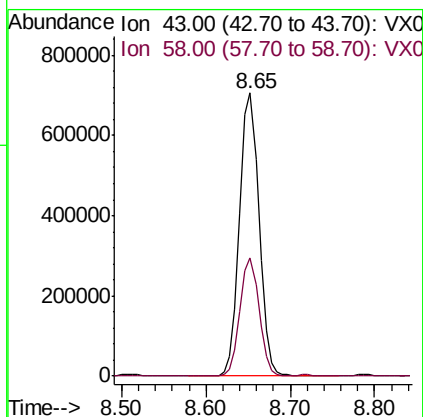
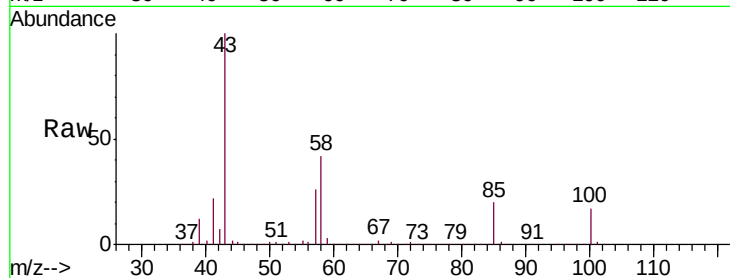
58 40.7 28.6 42.8

Manual Integrations

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#52

Toluene

Concen: 52.384 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003591.D

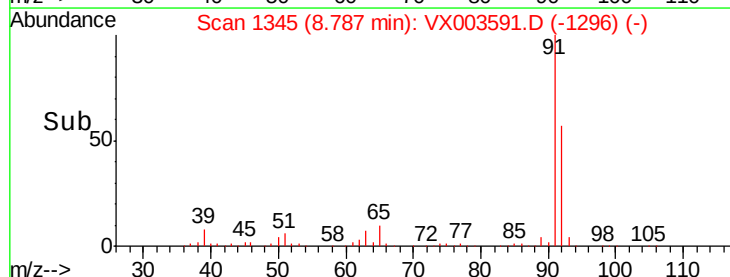
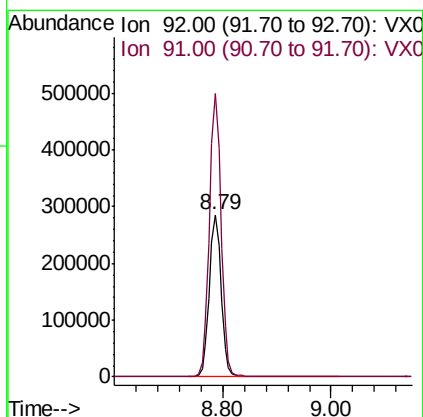
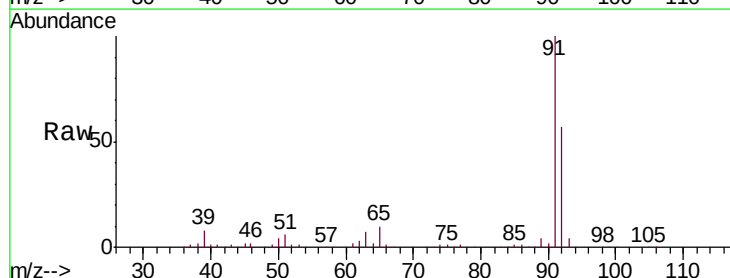
Acq: 23 Jul 2018 09:04

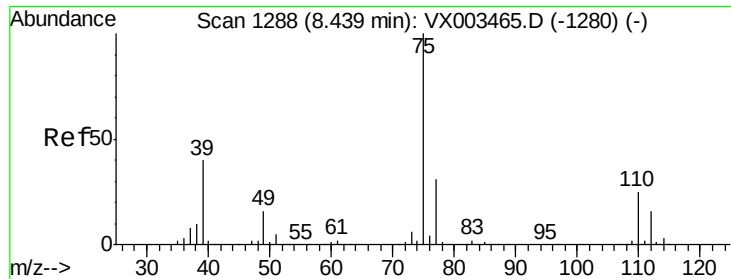
Tgt Ion: 92 Resp: 431394

Ion Ratio Lower Upper

92 100

91 173.3 140.4 210.6





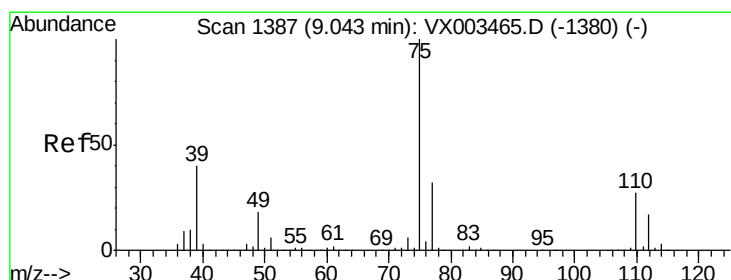
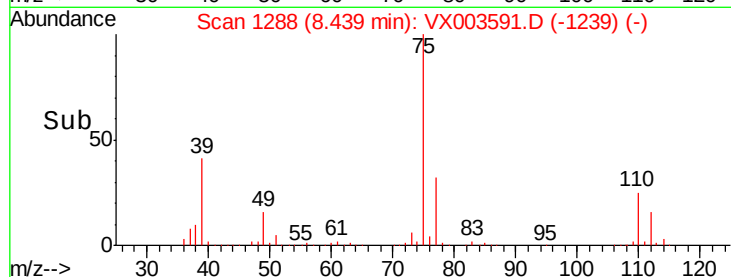
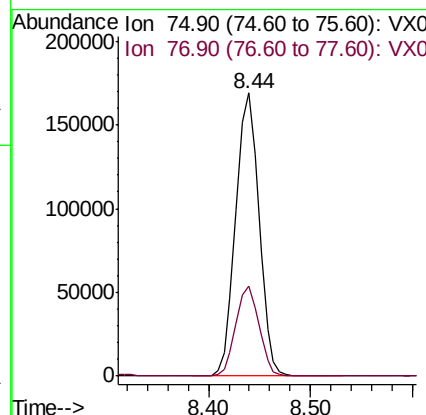
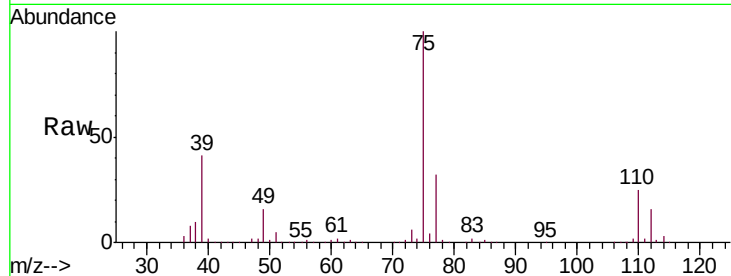
#53
t-1,3-Dichloropropene
Concen: 55.460 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2

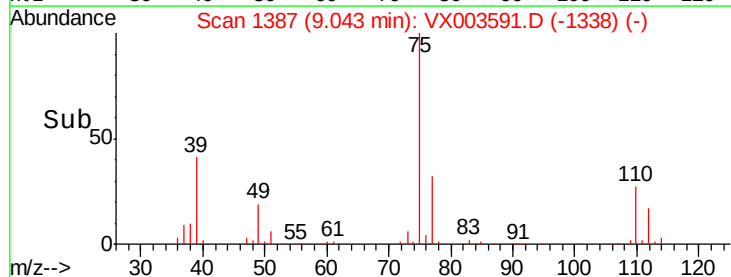
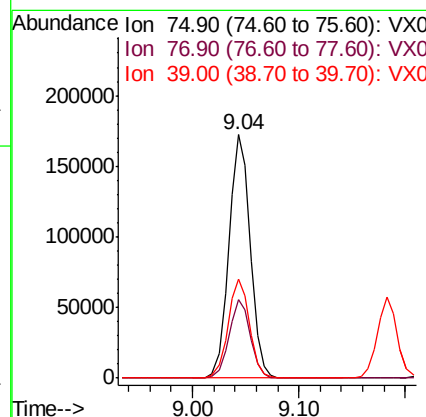
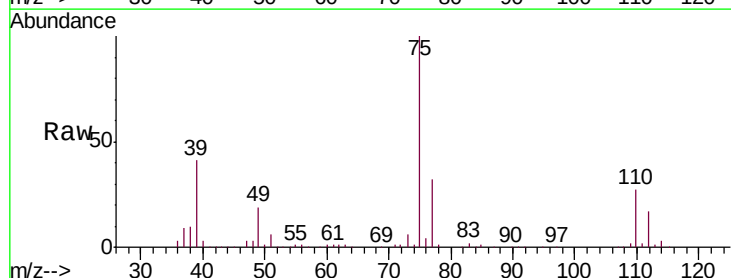
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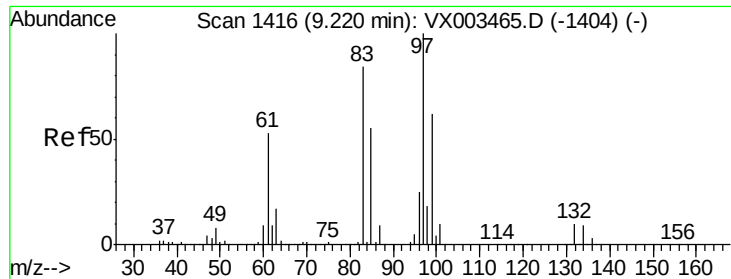
MMDadoda
7/24/2018 12:37:17 PM



#54
cis-1,3-Dichloropropene
Concen: 55.659 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.8	37.2
39	40.8	42.4	63.6#





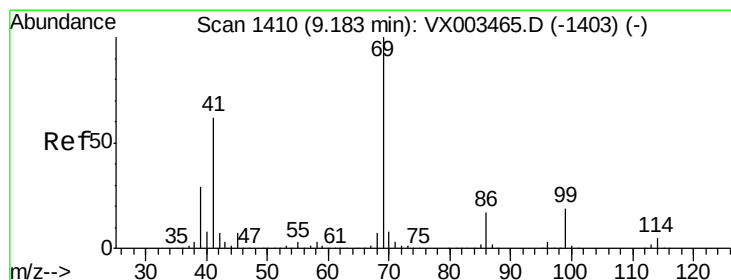
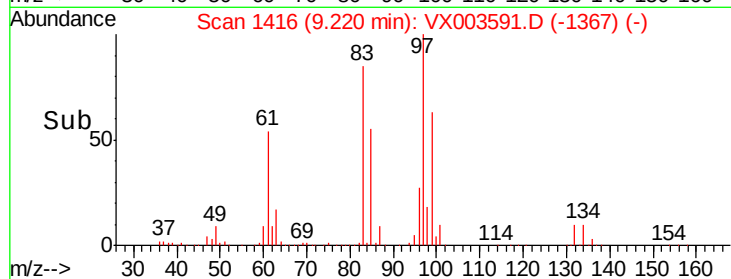
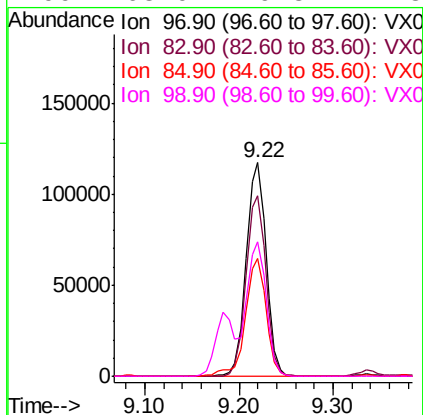
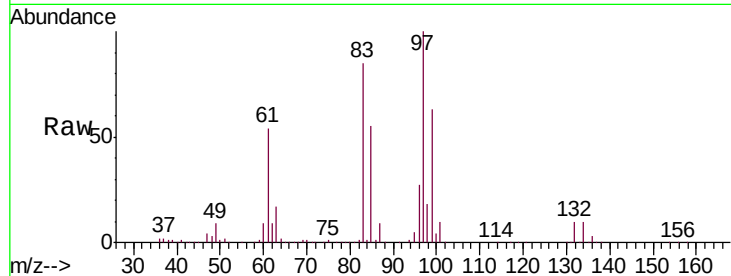
#55
 1,1,2-Trichloroethane
 Concen: 53.084 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003591.D
 Acq: 23 Jul 2018 09:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	173954
Ion	Ratio	Lower	Upper
97	100		
83	84.6	70.2	105.2
85	54.9	44.9	67.3
99	63.0	49.8	74.8

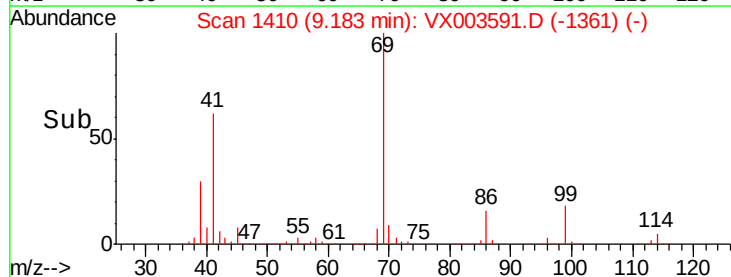
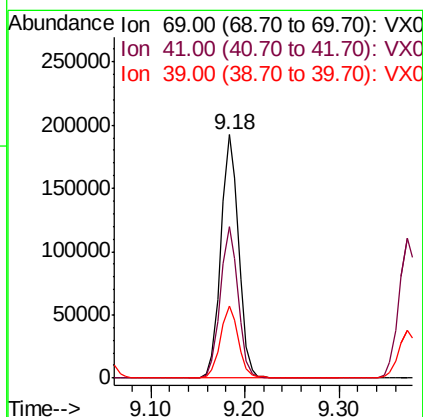
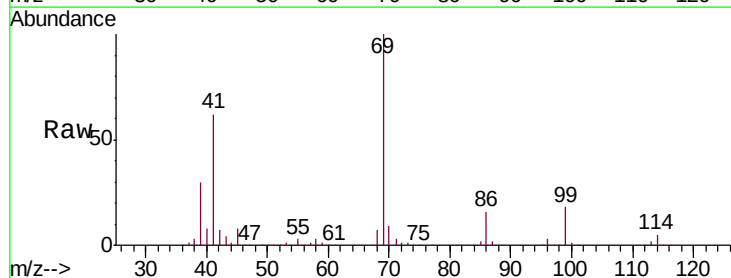
Manual Integrations
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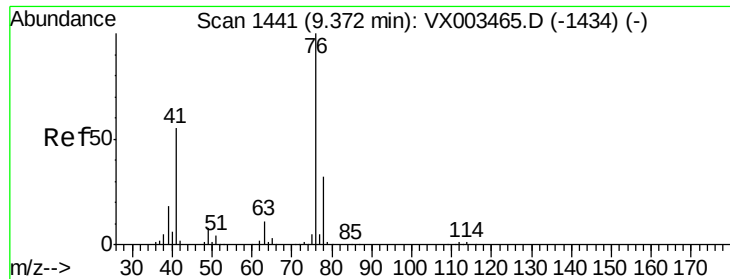
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 7/24/2018 12:37:17 PM



#56
 Ethyl methacrylate
 Concen: 54.637 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003591.D
 Acq: 23 Jul 2018 09:04

Tgt Ion:	69	Resp:	252184
Ion	Ratio	Lower	Upper
69	100		
41	62.1	60.3	90.5
39	29.9	35.8	53.8#





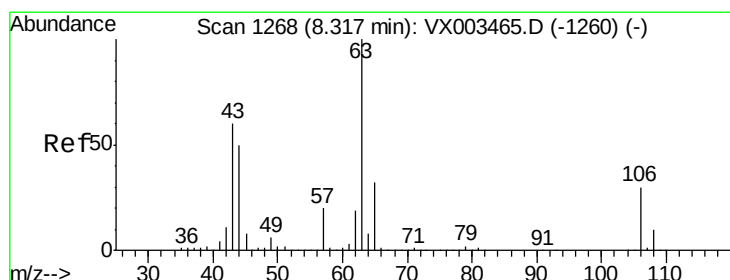
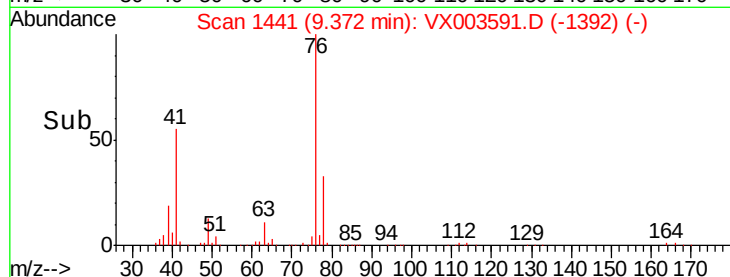
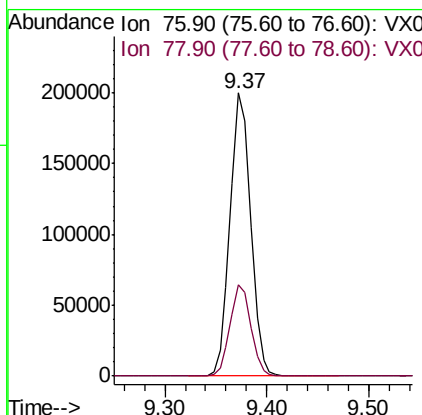
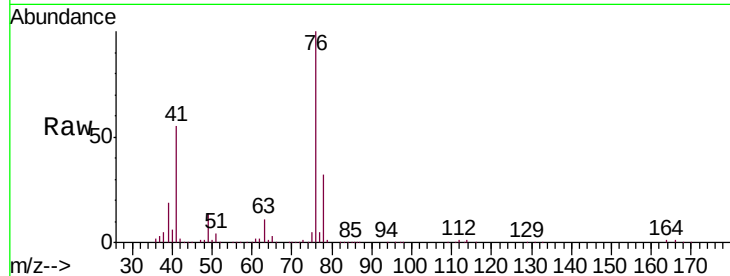
#57
 1,3-Dichloropropane
 Concen: 52.766 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003591.D
 Acq: 23 Jul 2018 09:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 279504
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6

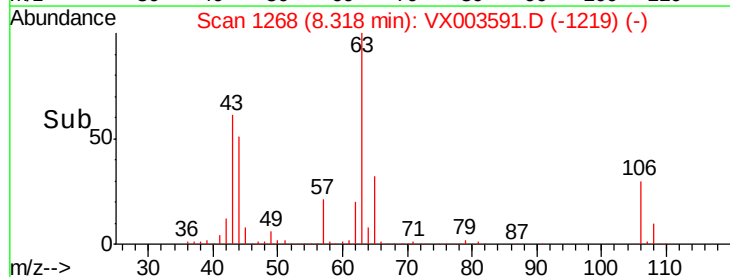
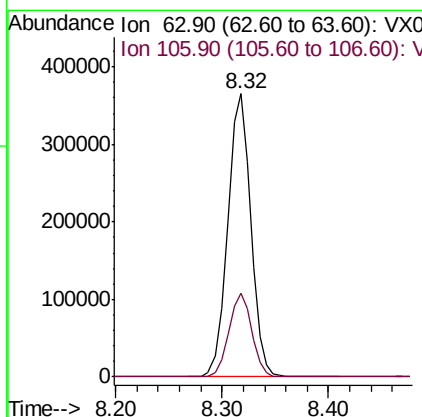
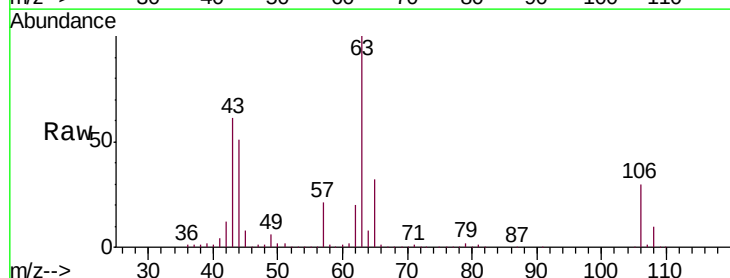
Manual Integrations
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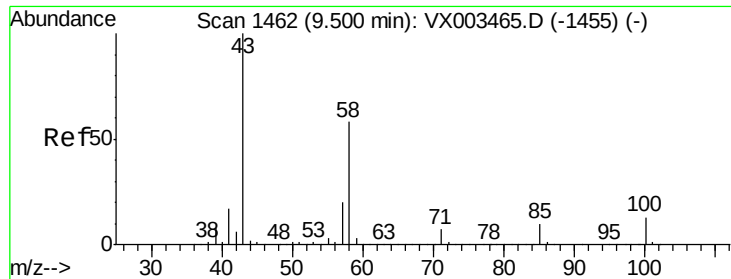
MMDadoda
 7/24/2018 12:37:17 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 246.820 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003591.D
 Acq: 23 Jul 2018 09:04

Tgt Ion: 63 Resp: 553953
 Ion Ratio Lower Upper
 63 100
 106 29.5 21.8 32.8





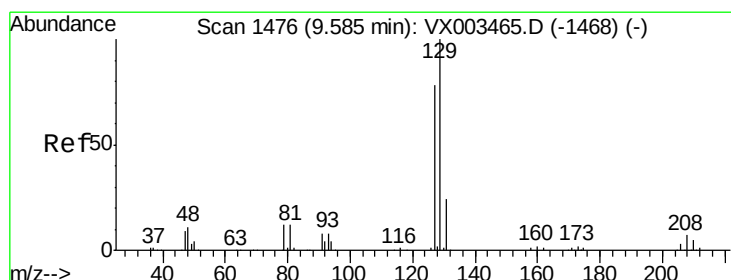
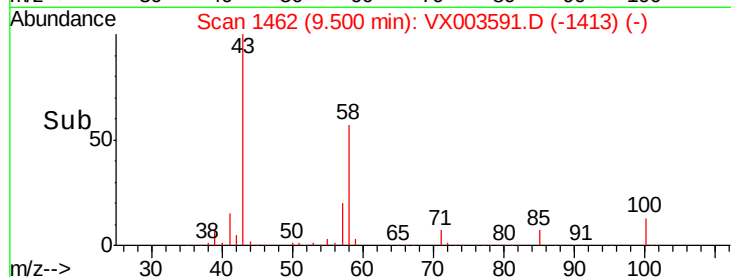
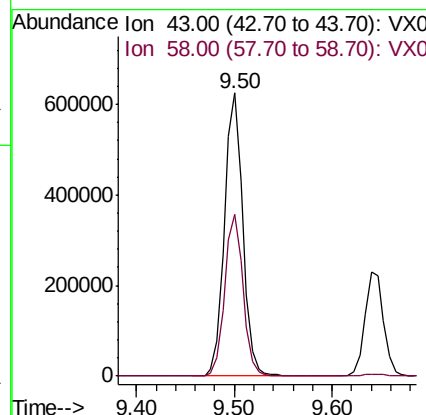
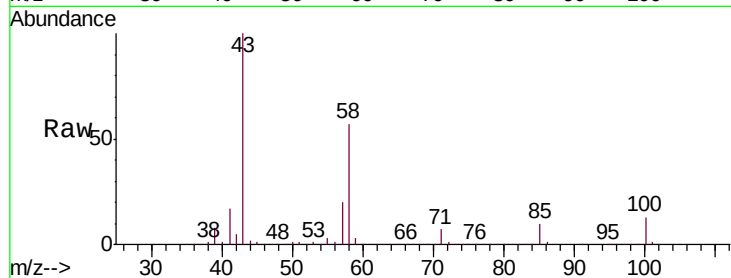
#59
2-Hexanone
Concen: 266.599 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 813960
Ion Ratio Lower Upper
43 100
58 57.2 24.6 73.6

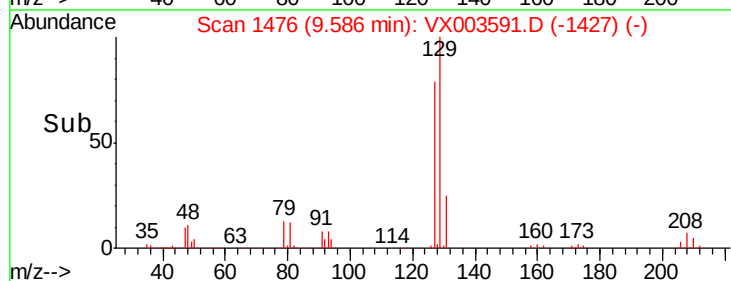
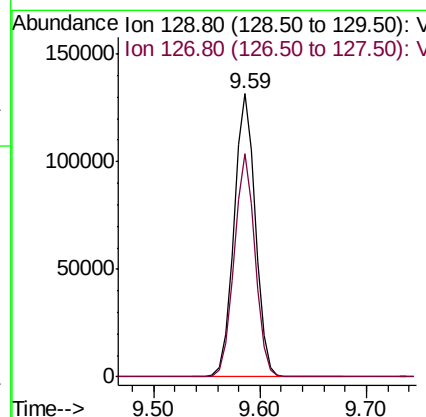
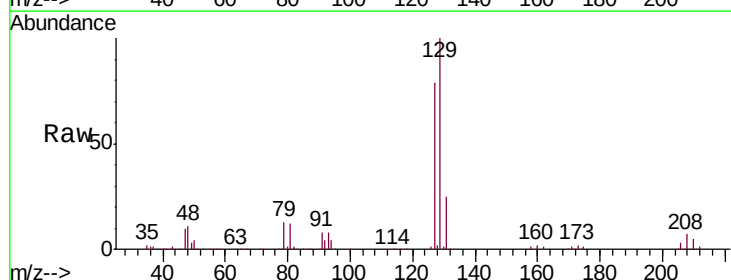
Manual Integrations
APPROVED

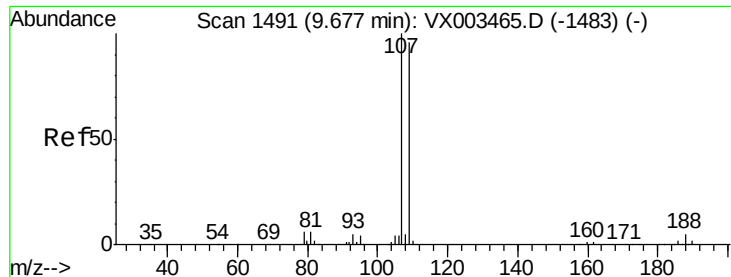
MMDadoda
7/24/2018 12:37:17 PM



#60
Dibromochloromethane
Concen: 56.971 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Tgt Ion: 129 Resp: 184791
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.3





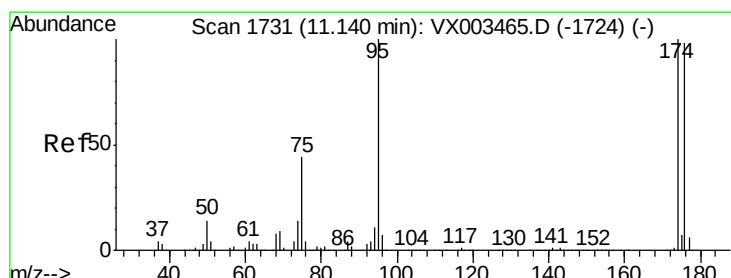
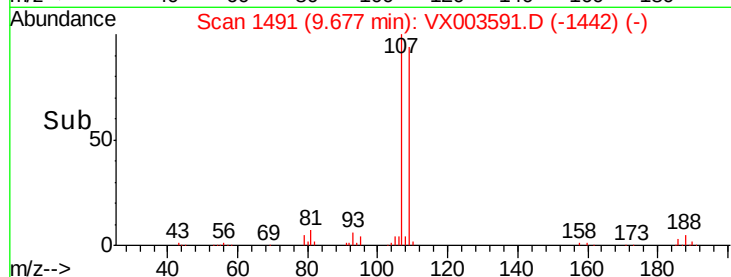
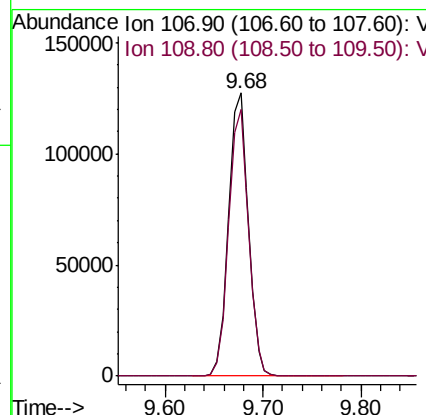
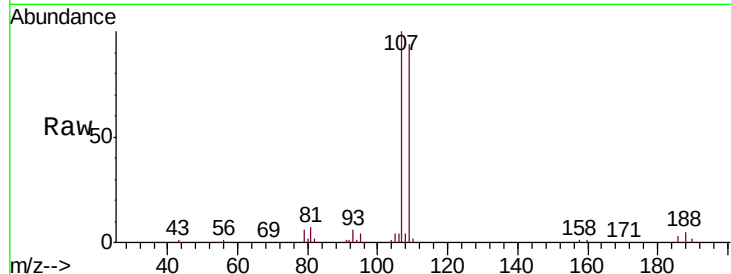
#61
 1,2-Dibromoethane
 Concen: 52.858 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX003591.D
 Acq: 23 Jul 2018 09:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.3	112.9

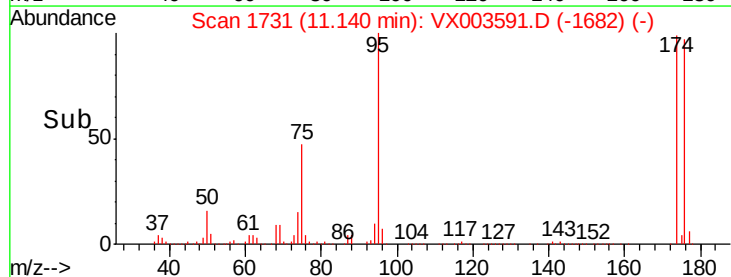
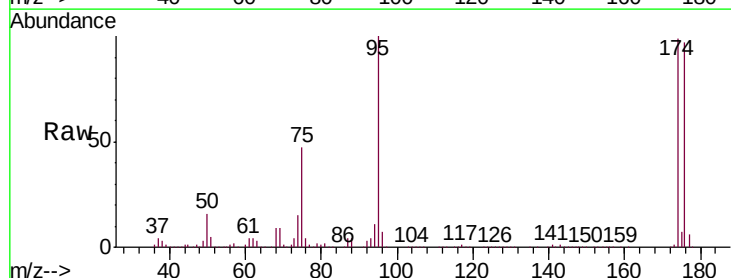
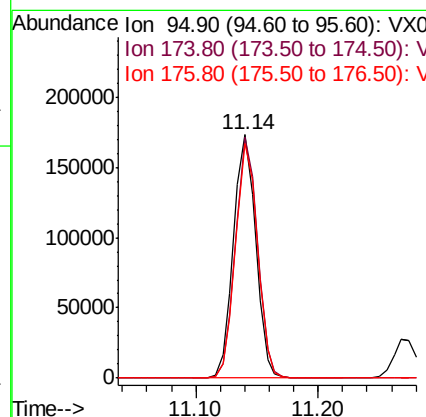
Manual Integrations
 APPROVED

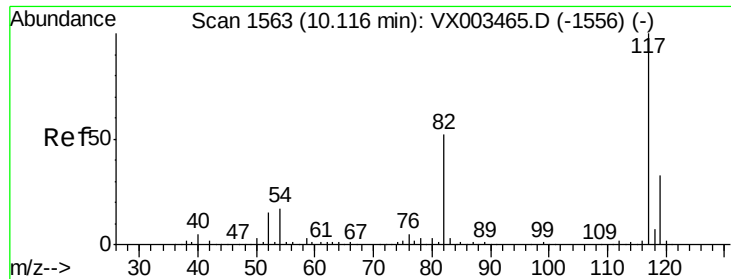
MMDadoda
 7/24/2018 12:37:17 PM



#62
 4-Bromofluorobenzene
 Concen: 51.975 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX003591.D
 Acq: 23 Jul 2018 09:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.8	0.0	187.4
176	95.6	0.0	181.0





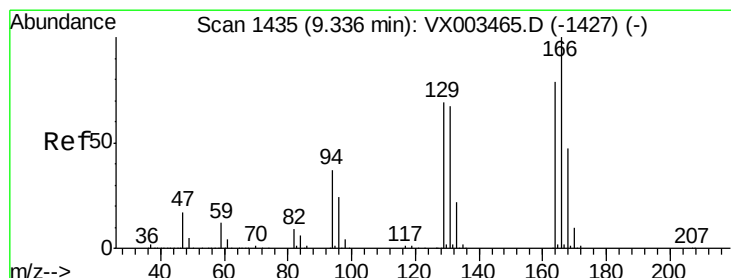
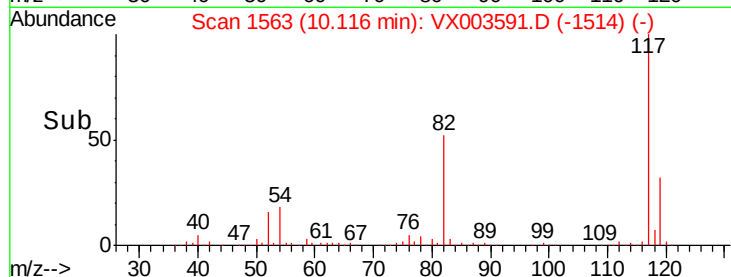
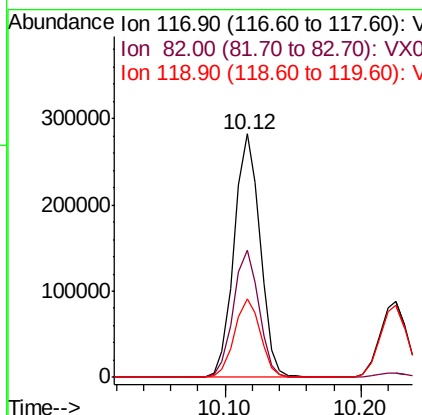
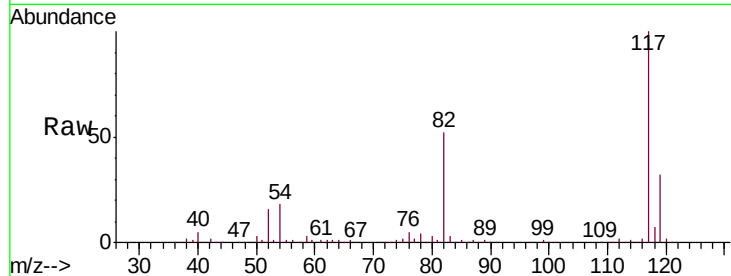
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	45.0	67.4
119	32.3	25.8	38.6

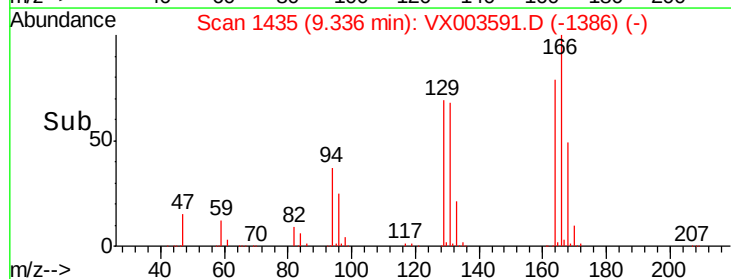
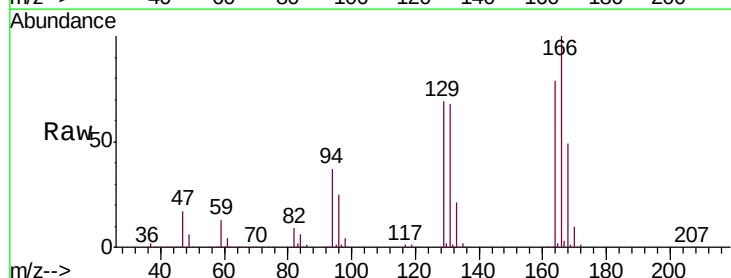
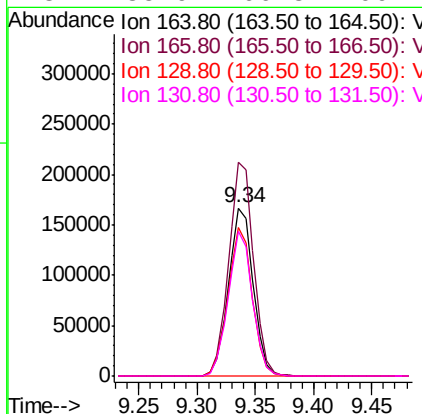
Manual Integrations
APPROVED

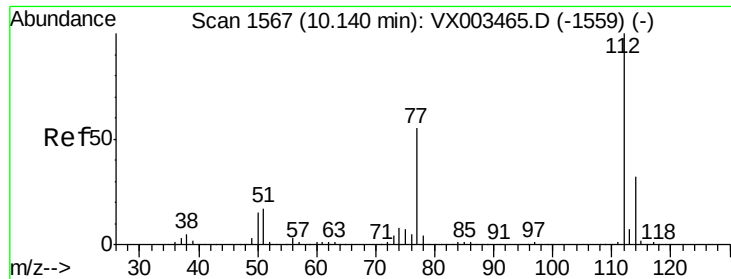
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#64
Tetrachloroethene
Concen: 53.831 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	102.9	154.3
129	88.1	68.6	102.8
131	85.9	66.8	100.2





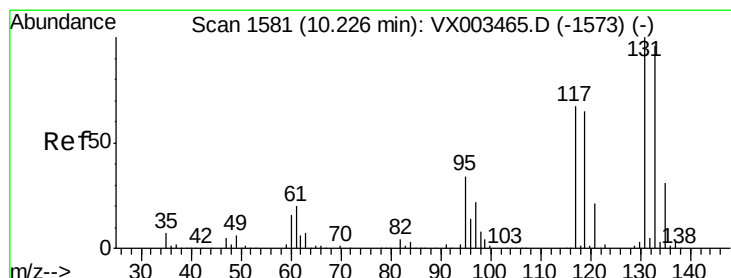
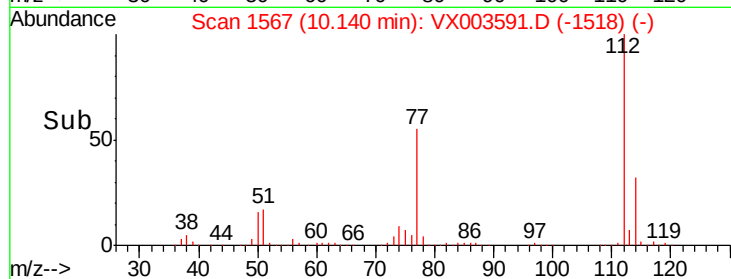
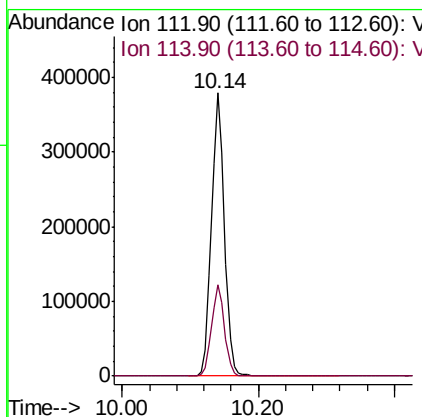
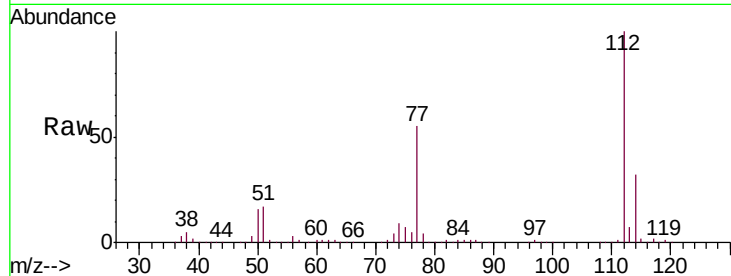
#65
Chlorobenzene
Concen: 51.625 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 499466
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9

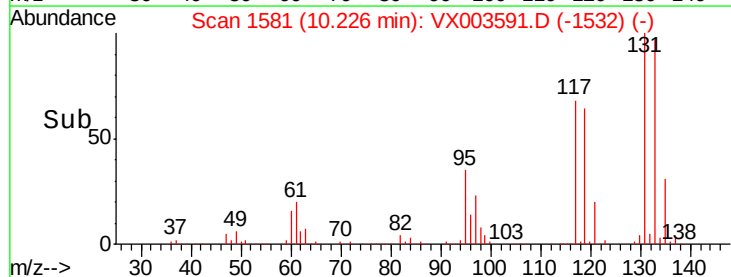
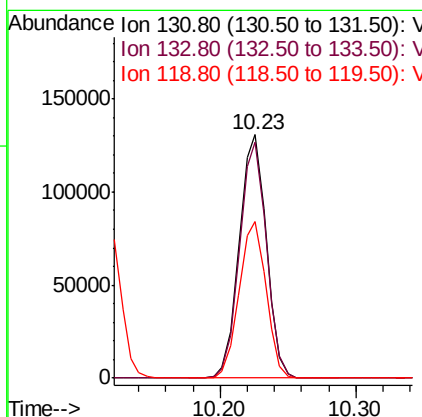
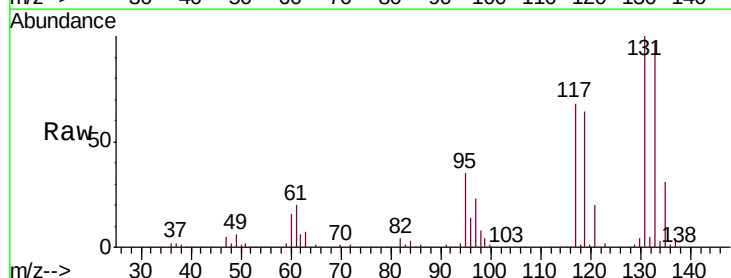
Manual Integrations
APPROVED

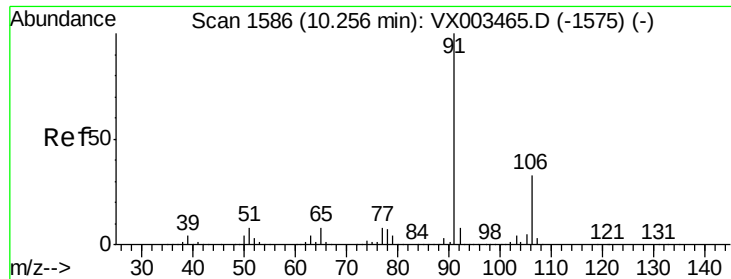
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.476 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Tgt Ion:131 Resp: 181338
Ion Ratio Lower Upper
131 100
133 96.0 47.9 143.6
119 64.3 31.8 95.3





#67

Ethyl Benzene

Concen: 53.554 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 833078

Ion Ratio Lower Upper

91 100

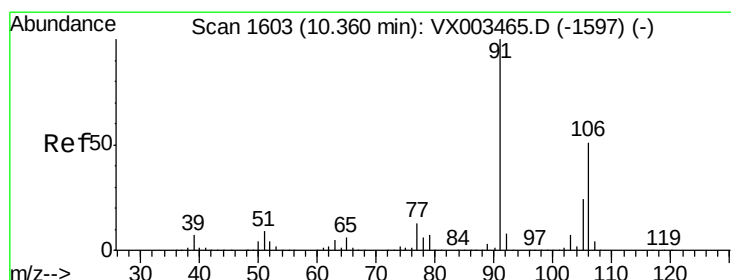
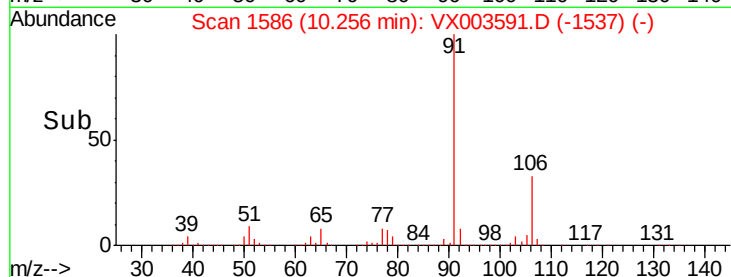
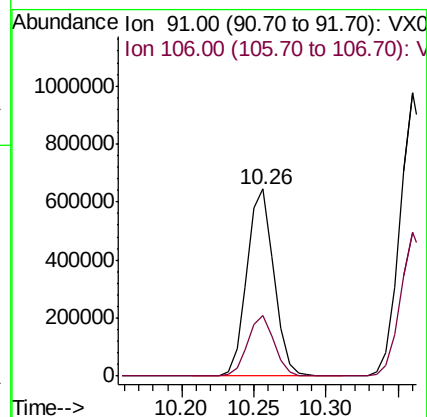
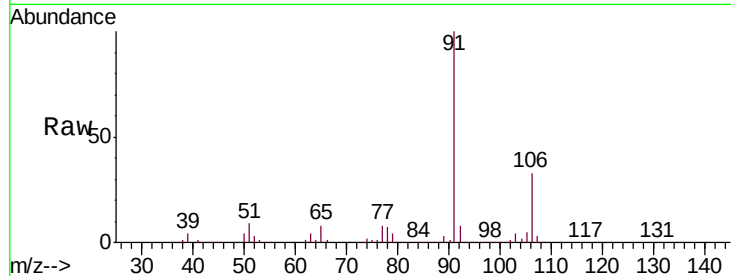
106 32.5 25.5 38.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 108.027 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003591.D

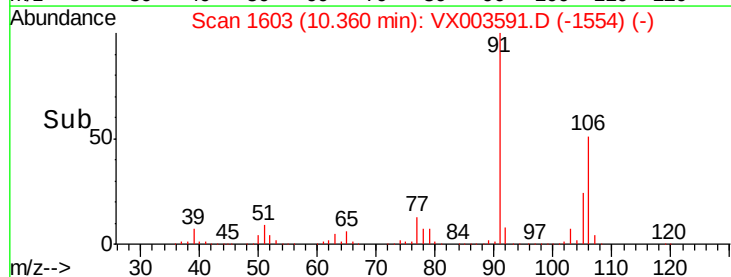
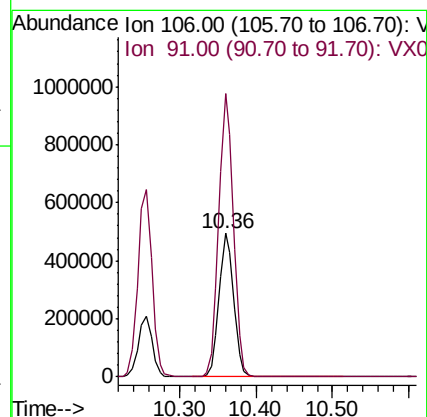
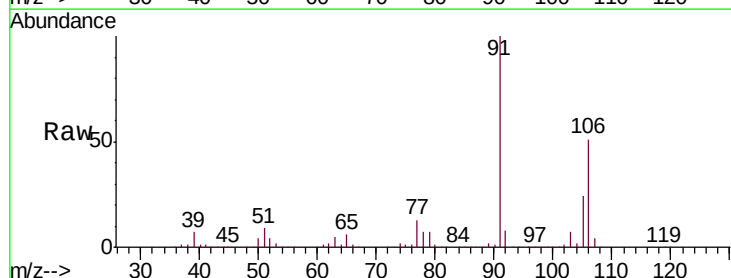
Acq: 23 Jul 2018 09:04

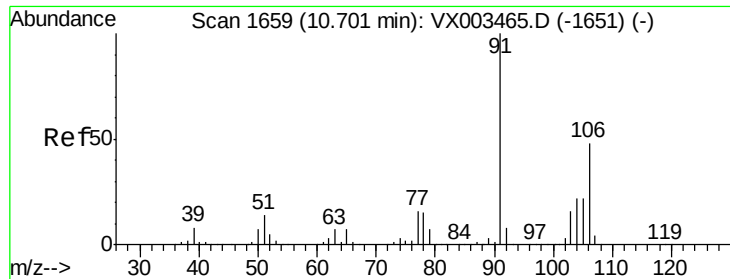
Tgt Ion: 106 Resp: 658805

Ion Ratio Lower Upper

106 100

91 197.5 163.4 245.2





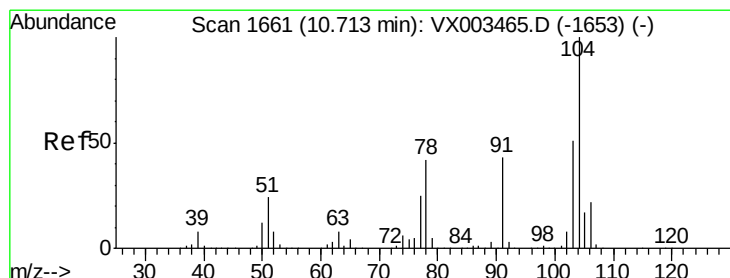
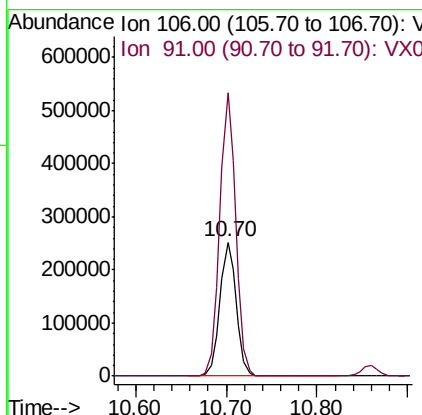
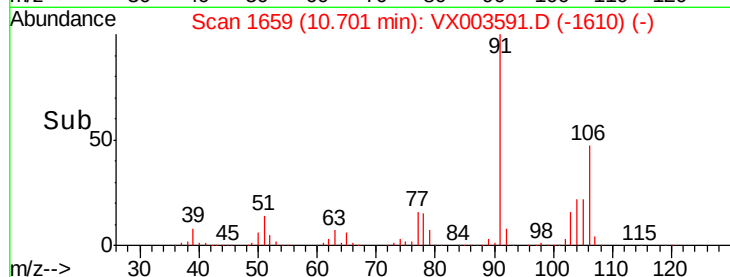
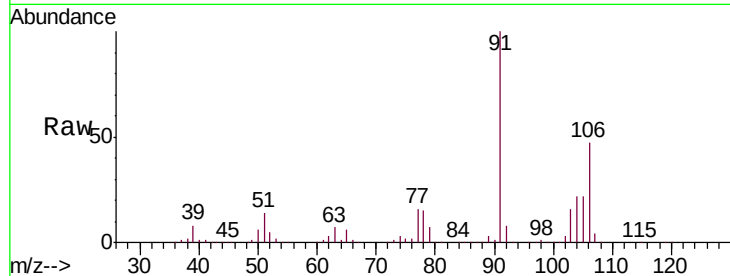
#69
o-Xylene
Concen: 53.804 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 317296
Ion Ratio Lower Upper
106 100
91 207.5 108.2 324.6

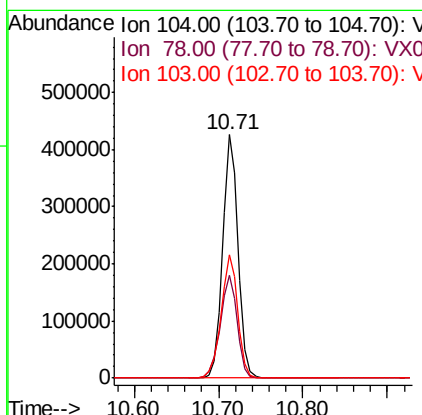
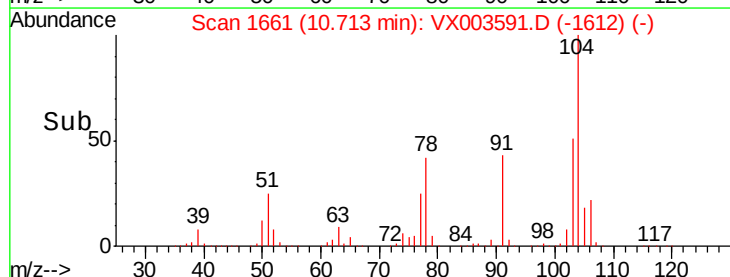
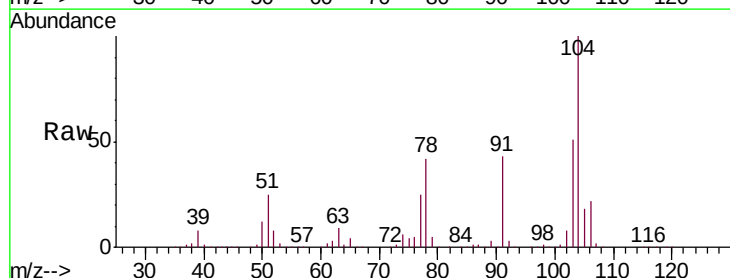
Manual Integrations
APPROVED

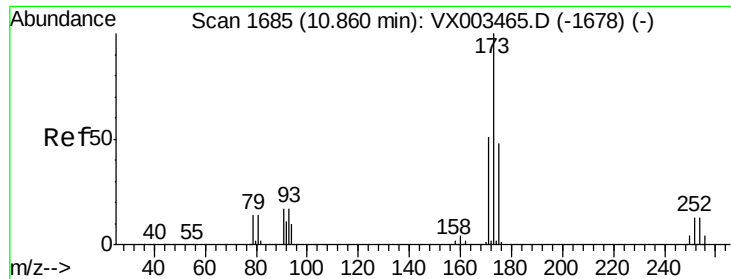
MMDadoda
7/24/2018 12:37:17 PM



#70
Styrene
Concen: 55.551 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Tgt Ion:104 Resp: 538864
Ion Ratio Lower Upper
104 100
78 46.3 41.0 61.6
103 54.9 44.2 66.4





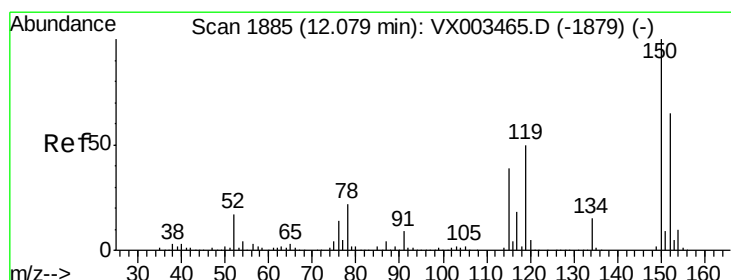
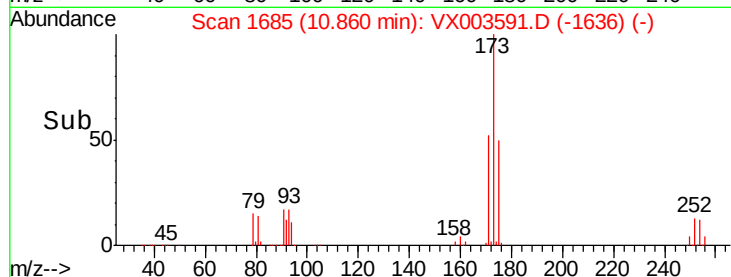
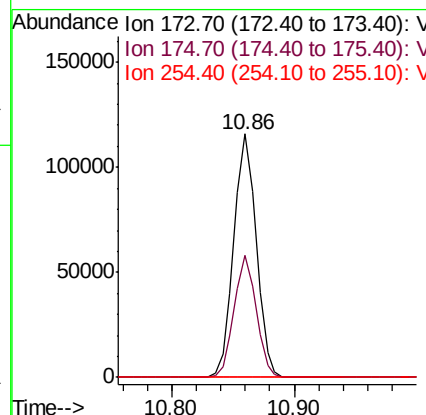
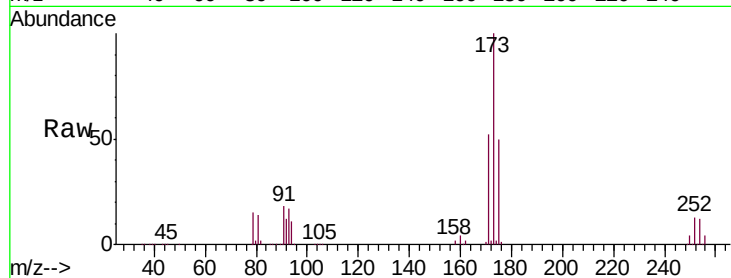
#71
Bromoform
Concen: 56.762 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.7	74.1
254	0.2	0.2	0.2

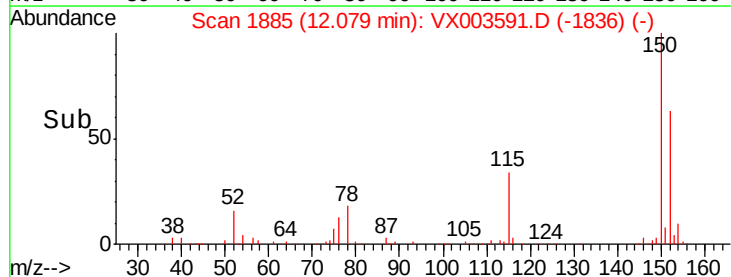
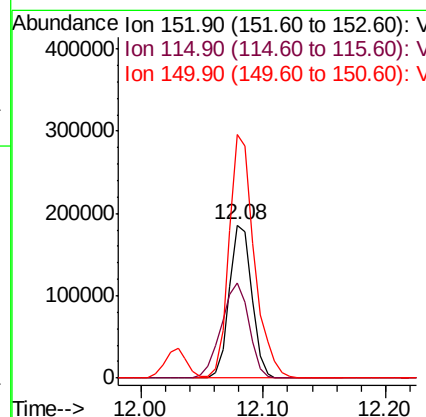
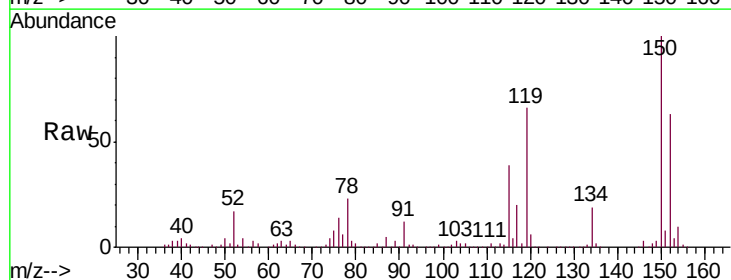
Manual Integrations
APPROVED

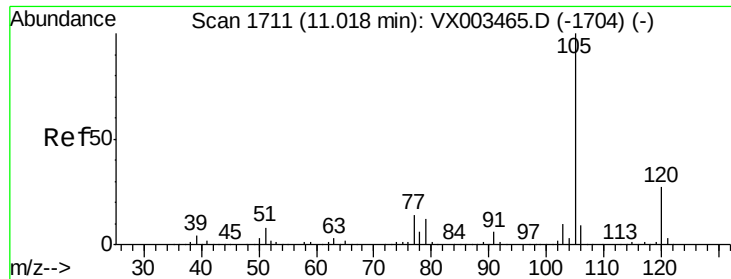
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.5	40.1	120.2
150	177.4	0.0	347.2





#73

Isopropylbenzene

Concen: 52.450 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 854059

Ion Ratio Lower Upper

105 100

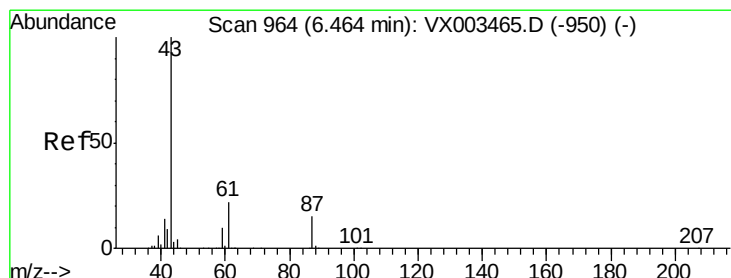
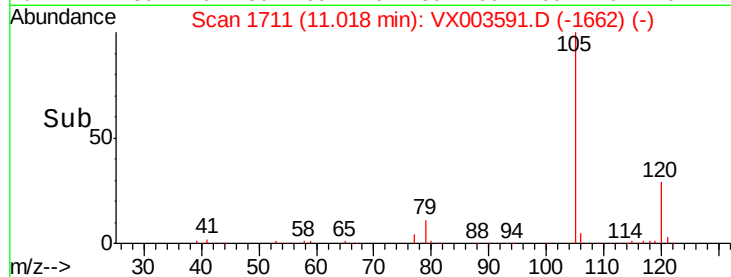
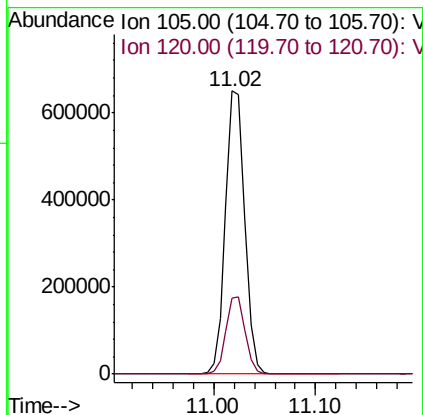
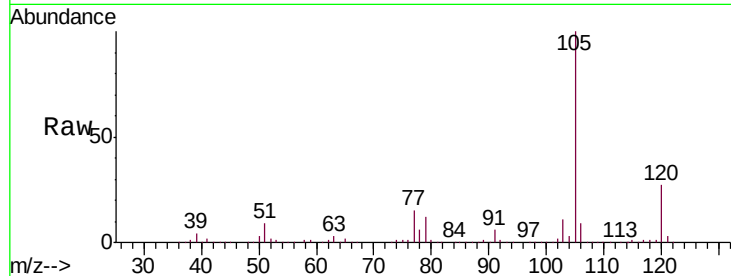
120 27.1 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 48.441 ug/l

RT: 6.46 min Scan# 964

Delta R.T. 0.00 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

Tgt Ion: 43 Resp: 334929

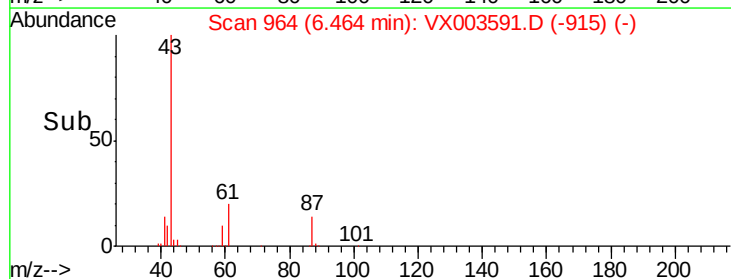
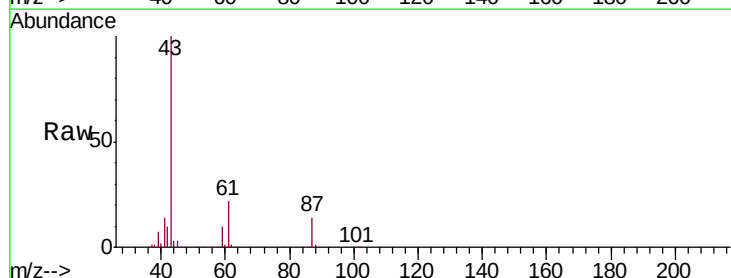
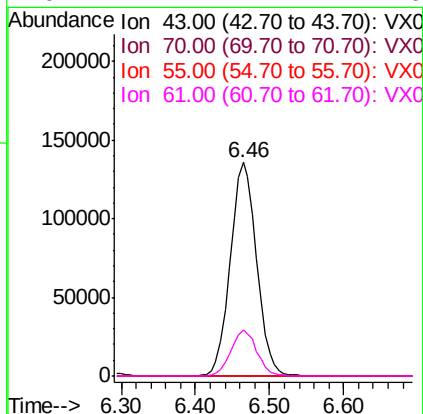
Ion Ratio Lower Upper

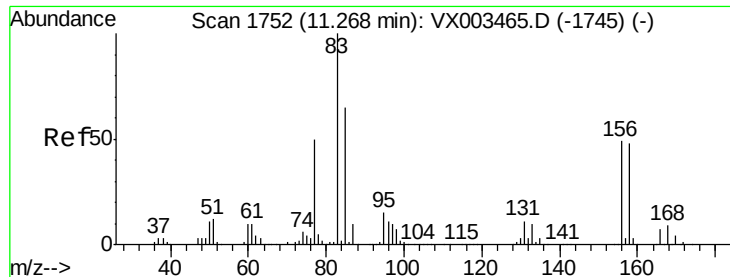
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 21.2 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.397 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

Instrument :

MSVOA_X

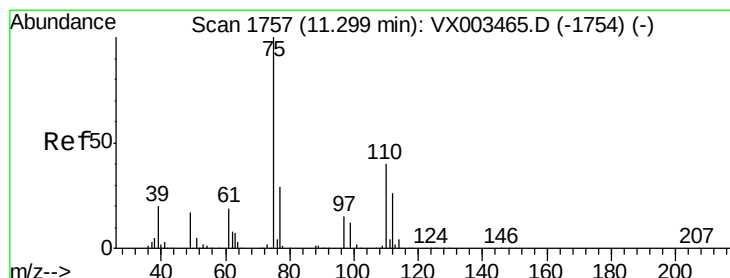
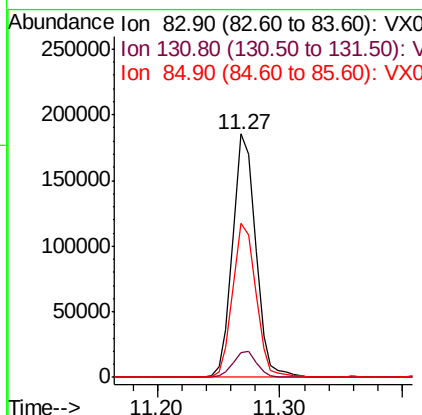
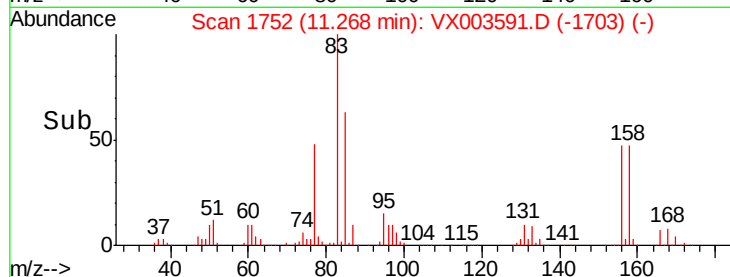
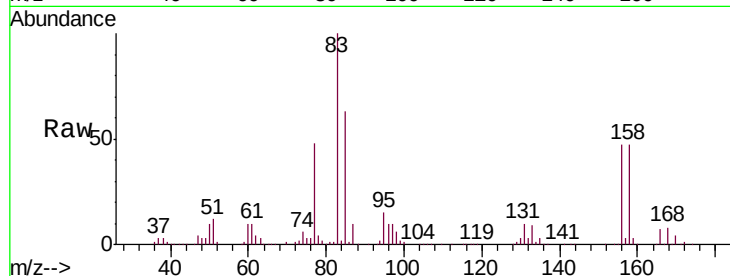
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	240481
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.6	16.8
85	64.5	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.939 ug/l m

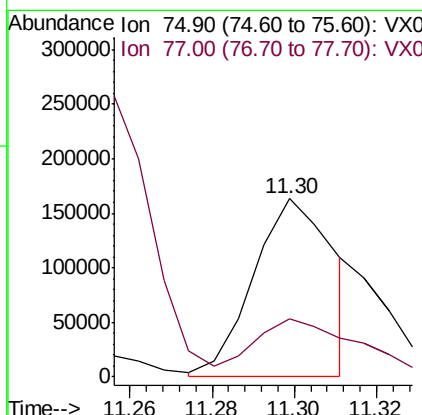
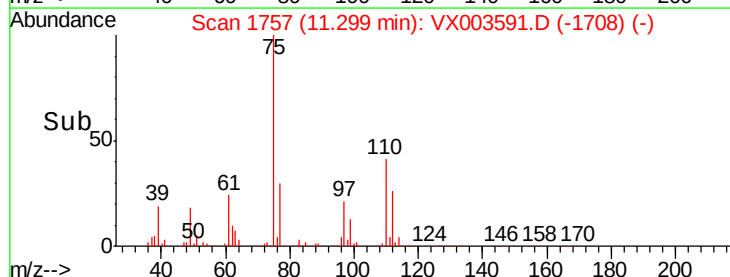
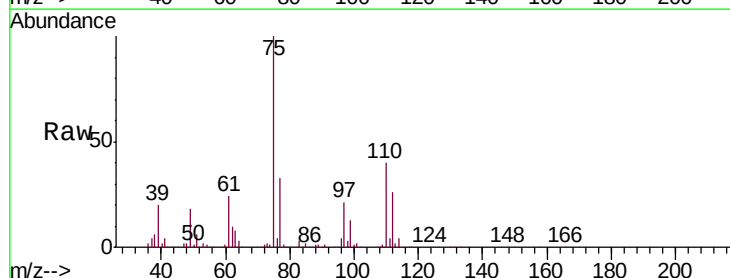
RT: 11.30 min Scan# 1757

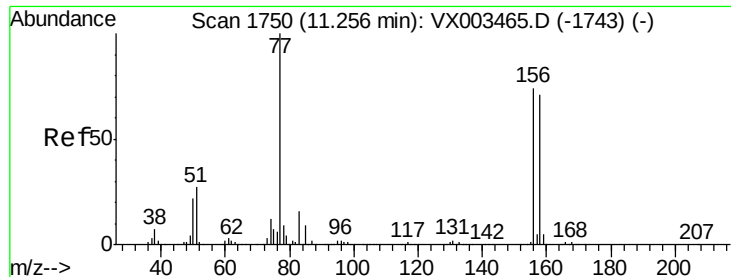
Delta R.T. 0.00 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

Tgt Ion:	75	Resp:	219688
Ion Ratio	Lower	Upper	
75	100		
77	42.5	22.8	68.3





#77

Bromobenzene

Concen: 50.348 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 235796

Ion Ratio Lower Upper

156 100

77 135.2 71.4 214.2

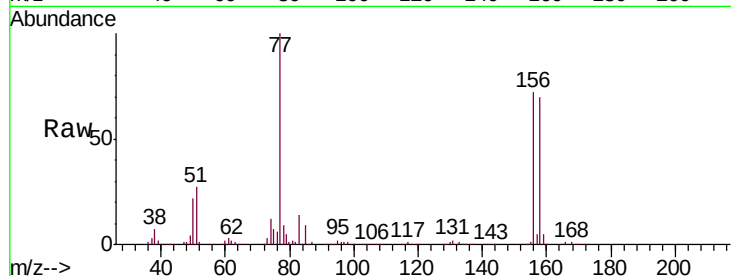
158 98.1 48.9 146.6

Manual Integrations

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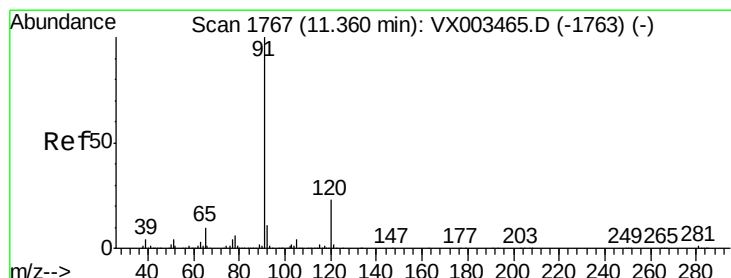
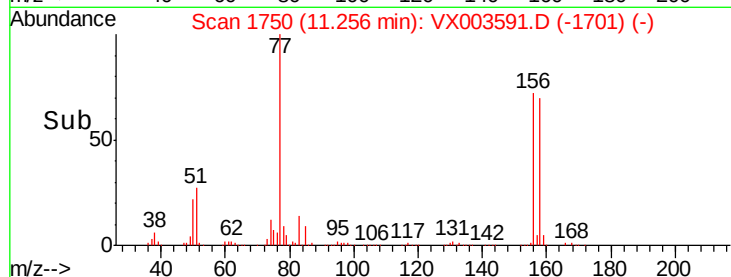
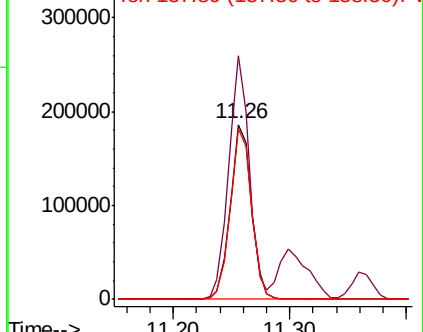
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.586 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003591.D

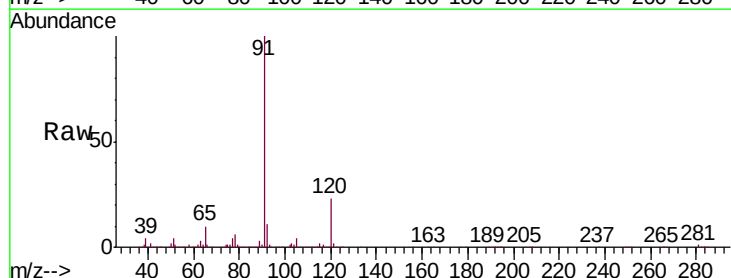
Acq: 23 Jul 2018 09:04

Tgt Ion: 91 Resp: 969921

Ion Ratio Lower Upper

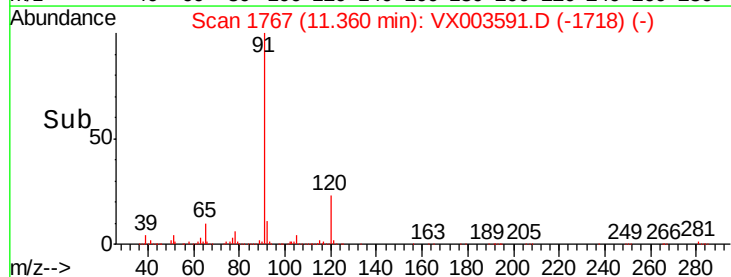
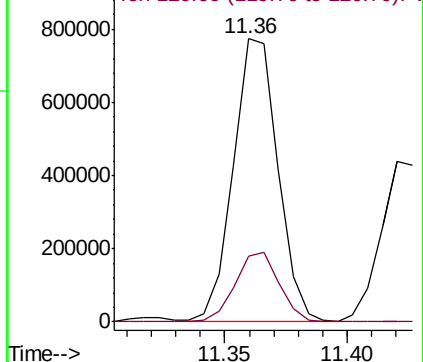
91 100

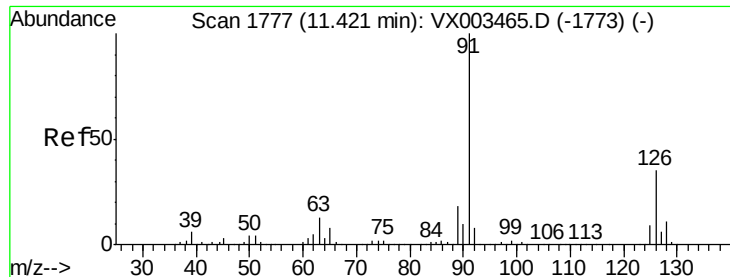
120 24.5 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.663 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 567678

Ion Ratio Lower Upper

91 100

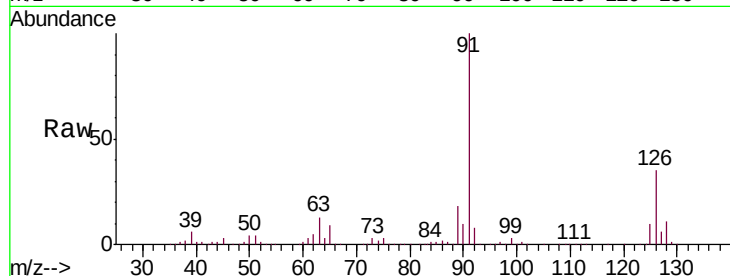
126 36.5 17.7 53.1

Manual Integrations

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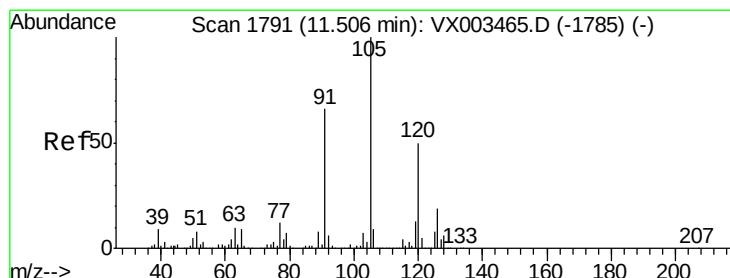
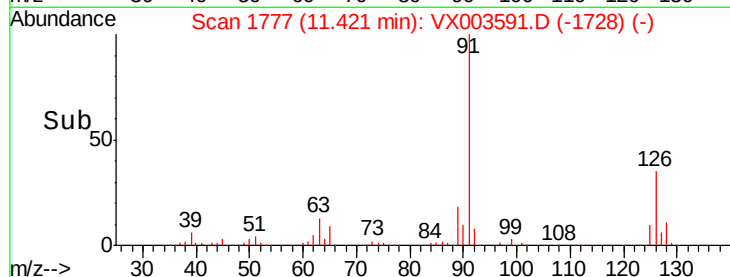
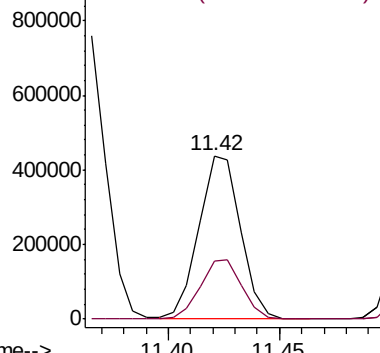
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 53.258 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003591.D

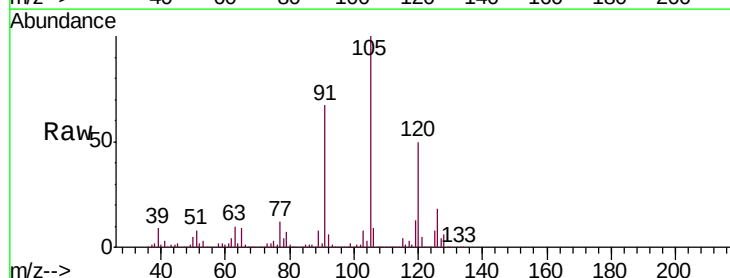
Acq: 23 Jul 2018 09:04

Tgt Ion:105 Resp: 712712

Ion Ratio Lower Upper

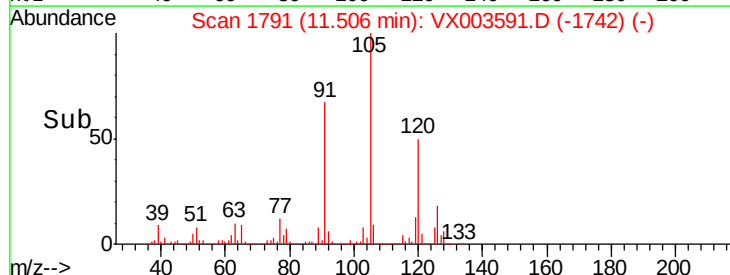
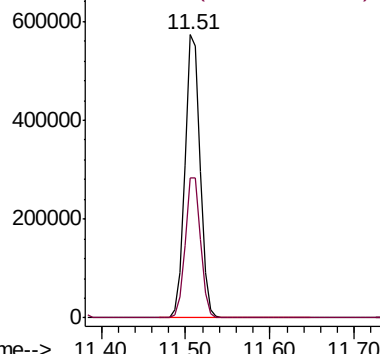
105 100

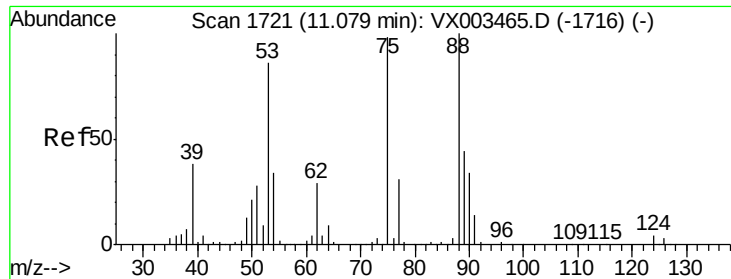
120 50.4 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





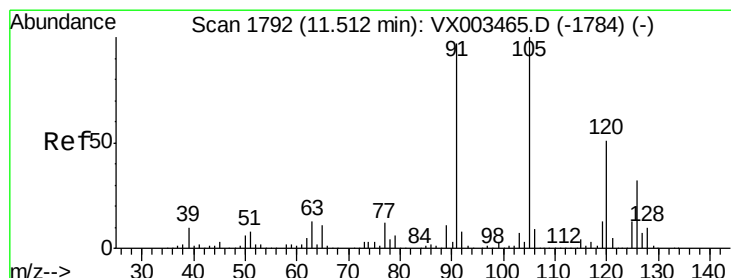
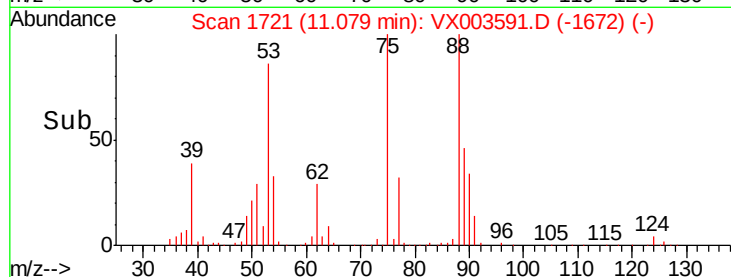
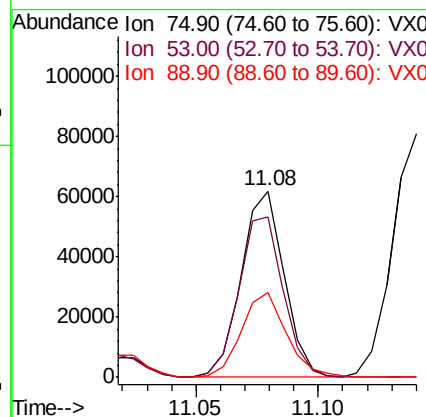
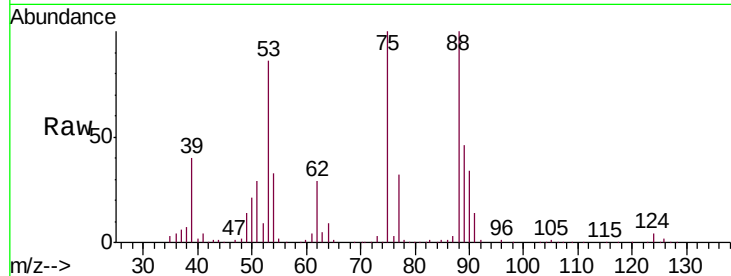
#81
trans-1,4-Dichloro-2-butene
Concen: 50.337 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 74990
Ion Ratio Lower Upper
75 100
53 89.6 86.8 130.2
89 48.5 38.2 57.2

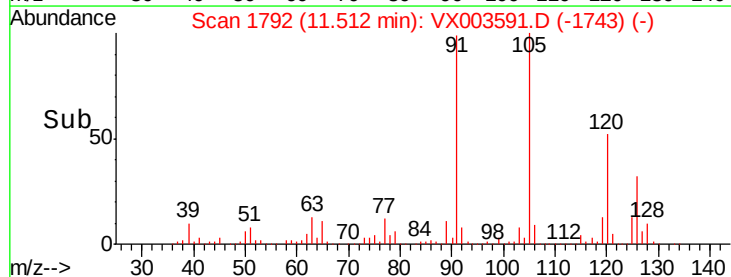
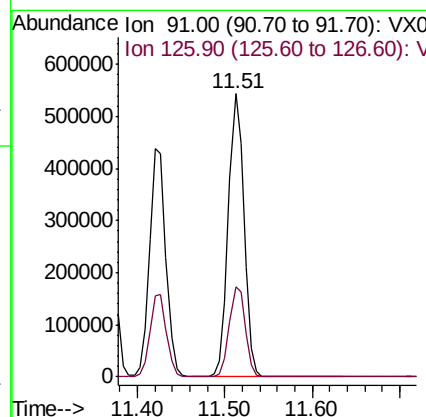
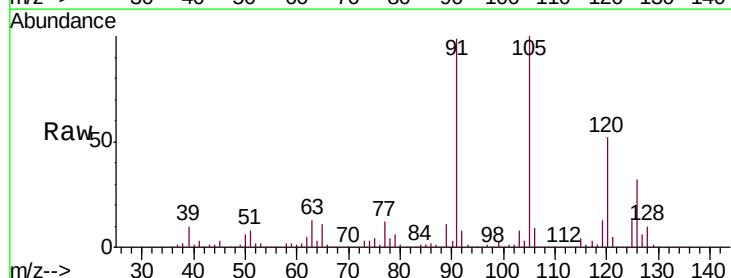
Manual Integrations
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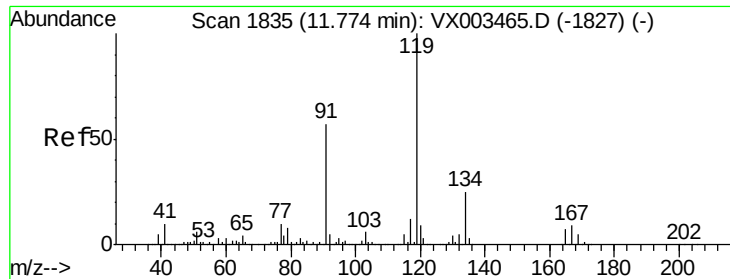
MMDadoda
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#82
4-Chlorotoluene
Concen: 52.152 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Tgt Ion: 91 Resp: 671482
Ion Ratio Lower Upper
91 100
126 32.4 15.4 46.4





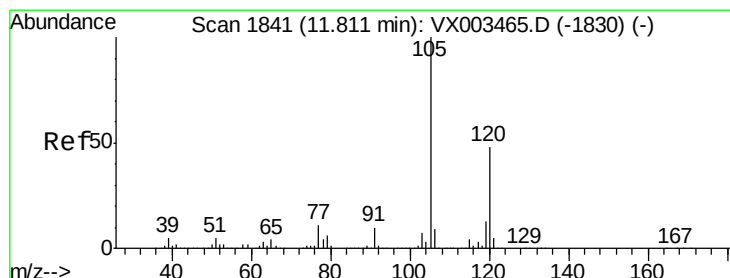
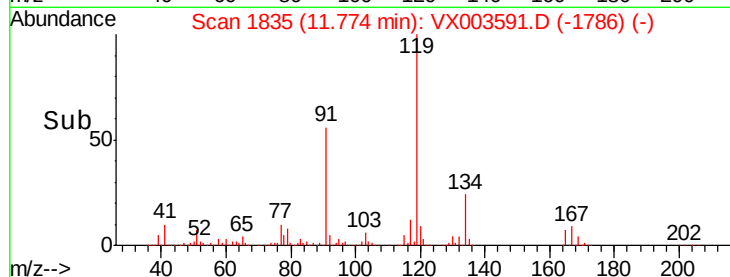
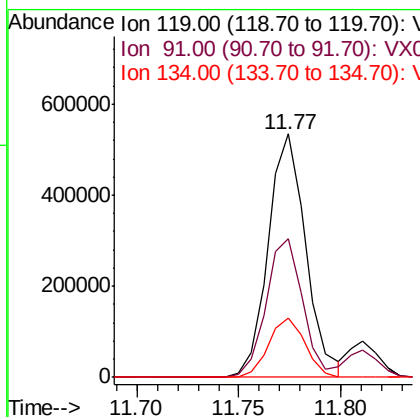
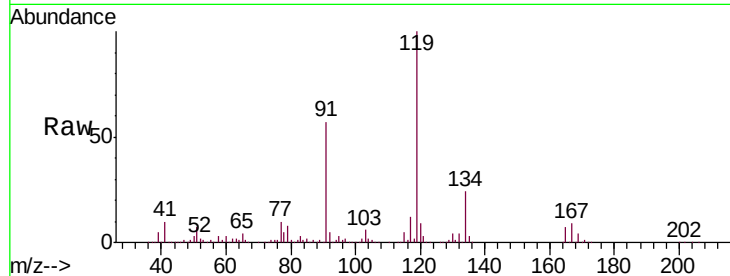
#83
 tert-Butylbenzene
 Concen: 52.432 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003591.D
 Acq: 23 Jul 2018 09:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.9	30.3	90.9
134	23.7	11.7	35.1

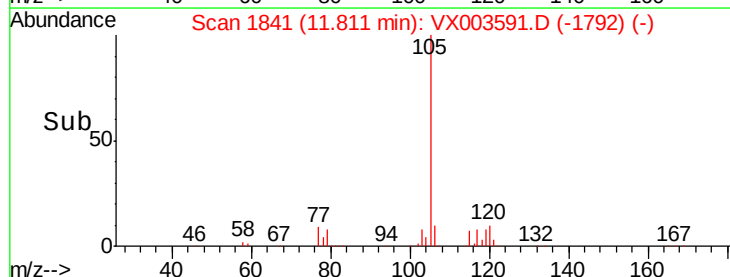
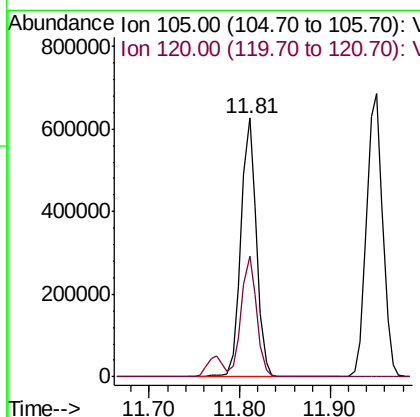
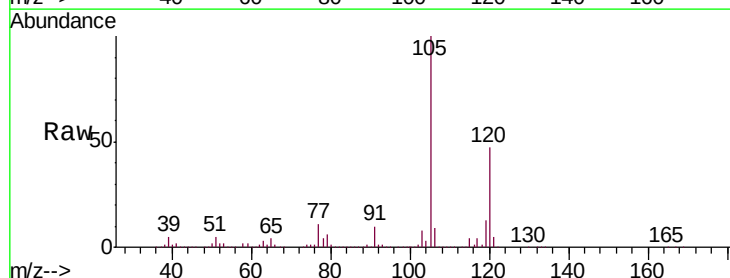
Manual Integrations
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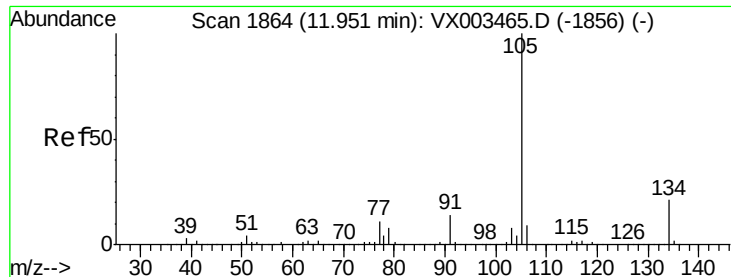
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.150 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003591.D
 Acq: 23 Jul 2018 09:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.3	66.8





#85

sec-Butylbenzene

Concen: 53.320 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 848746

Ion Ratio Lower Upper

105 100

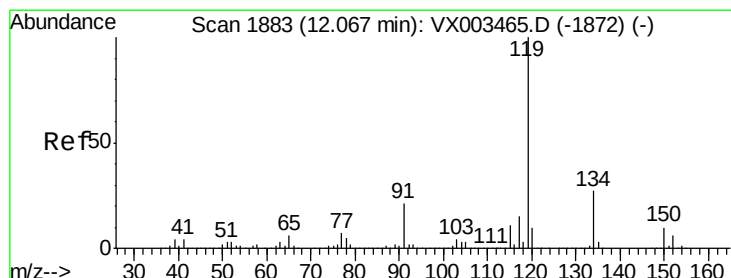
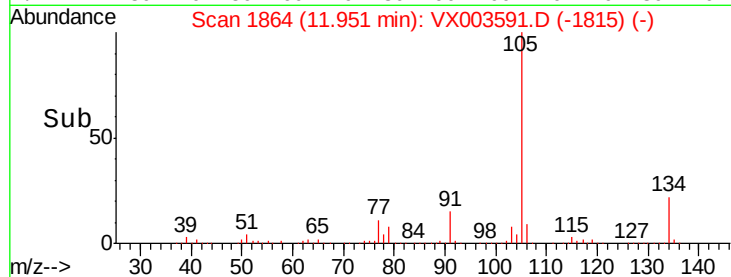
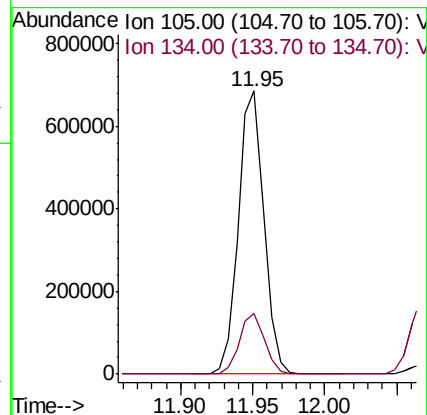
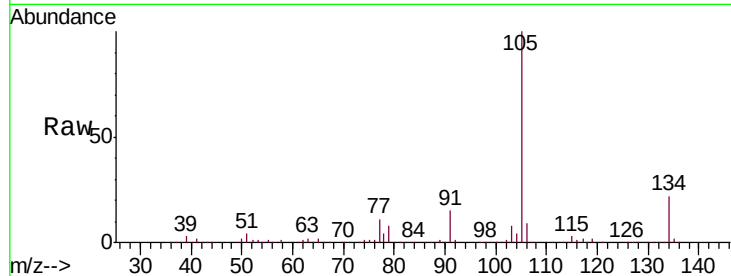
134 21.1 10.4 31.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 54.629 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

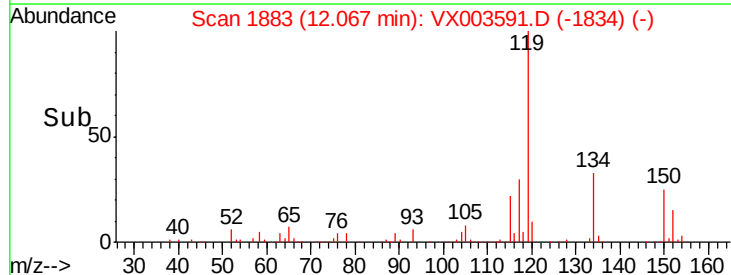
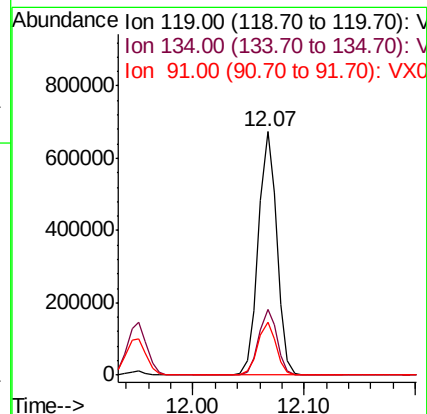
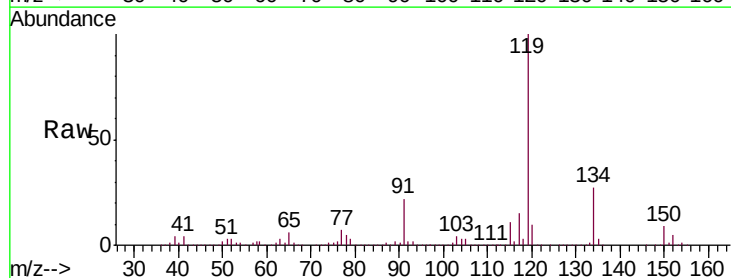
Tgt Ion:119 Resp: 780404

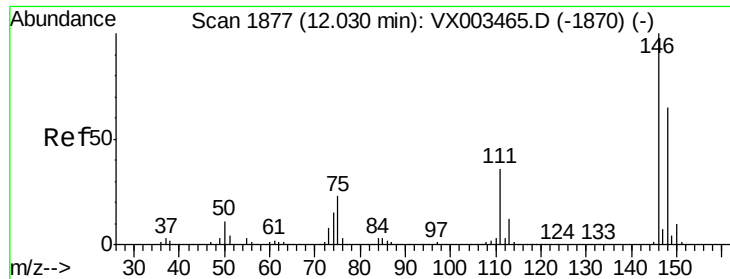
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 21.4 11.9 35.7





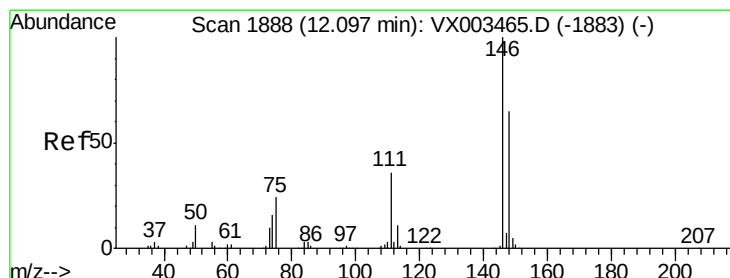
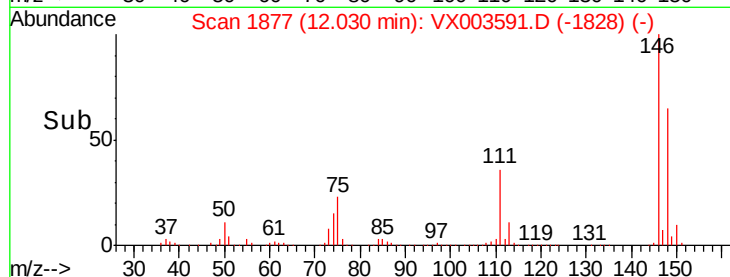
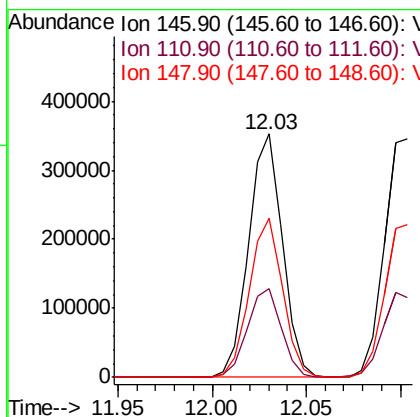
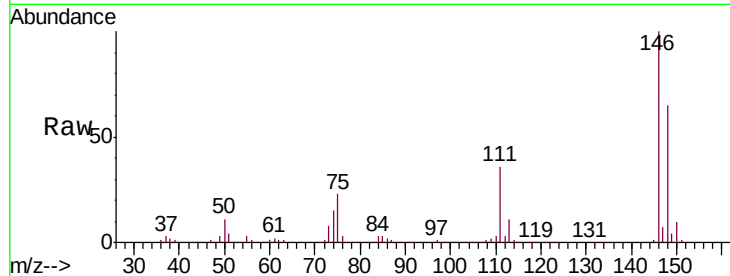
#87
 1,3-Dichlorobenzene
 Concen: 50.948 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003591.D
 Acq: 23 Jul 2018 09:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.9	56.7
148	64.3	32.1	96.3

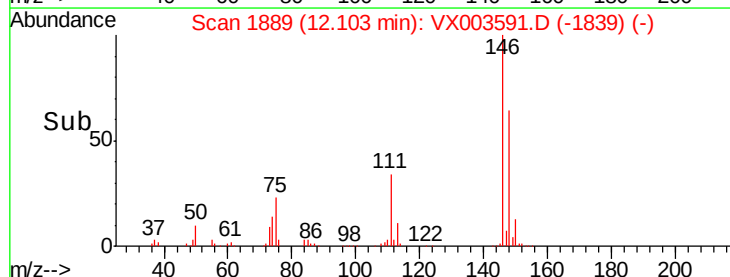
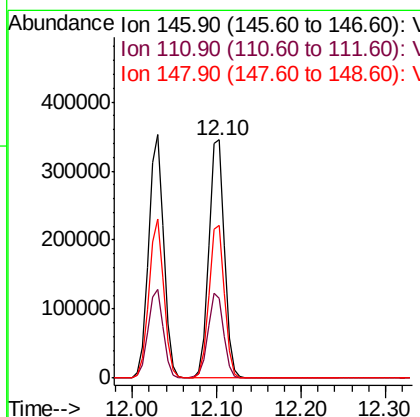
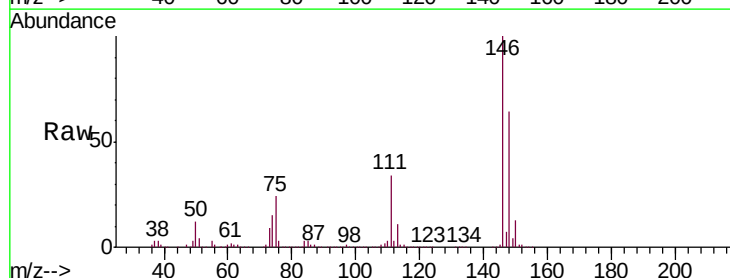
Manual Integrations
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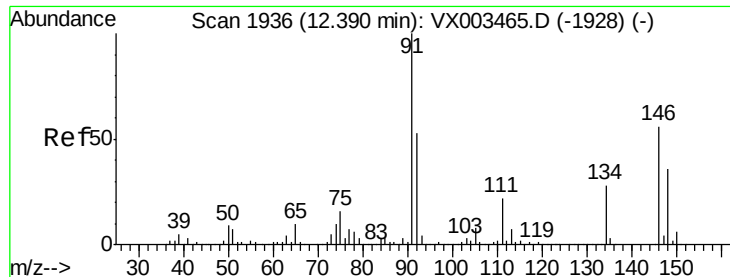
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#88
 1,4-Dichlorobenzene
 Concen: 49.954 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VX003591.D
 Acq: 23 Jul 2018 09:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	18.7	56.1
148	63.7	32.4	97.0





#89

n-Butylbenzene

Concen: 54.478 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

Instrument :

MSVOA_X

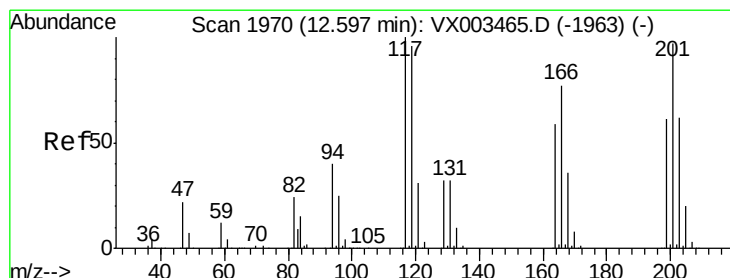
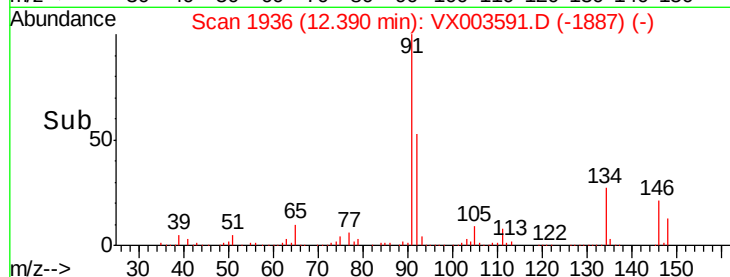
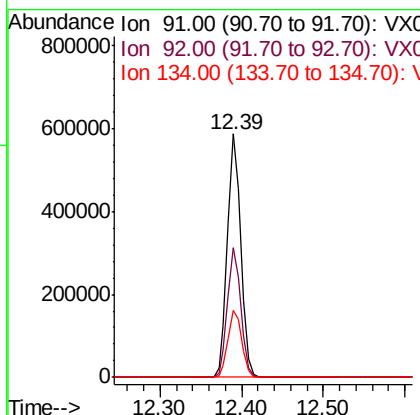
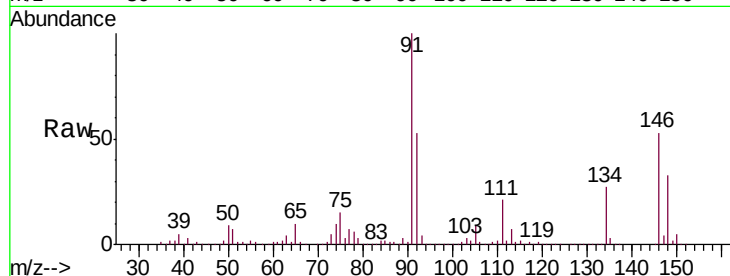
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	660848
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.0	78.0
134	28.2	13.5	40.5

Manual Integrations
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7/24/2018 12:37:17 PM



#90

Hexachloroethane

Concen: 53.122 ug/l

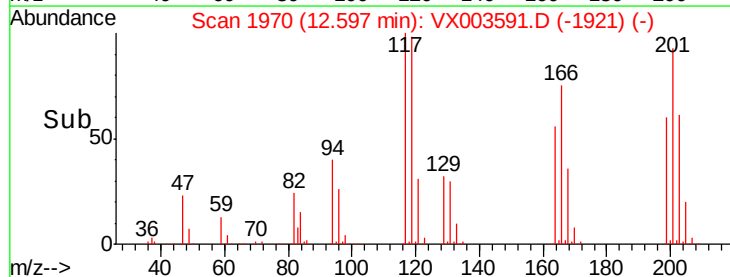
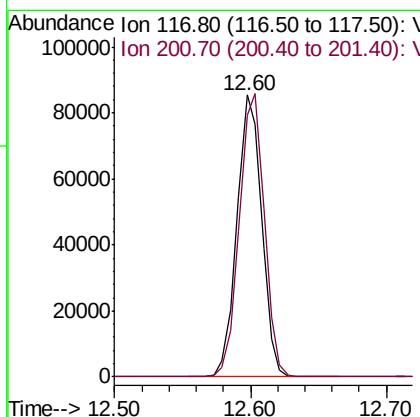
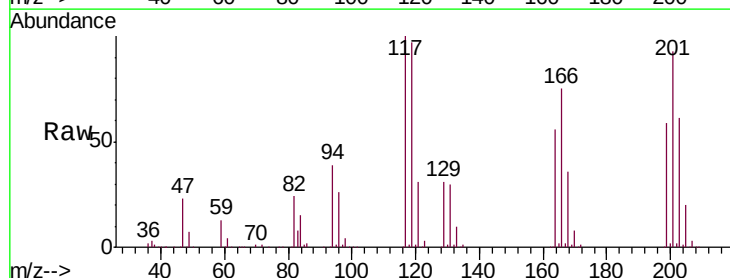
RT: 12.60 min Scan# 1970

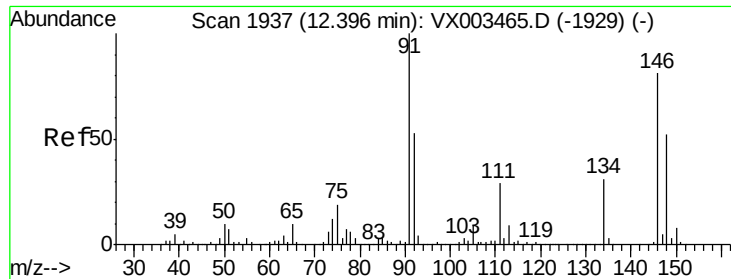
Delta R.T. 0.00 min

Lab File: VX003591.D

Acq: 23 Jul 2018 09:04

Tgt Ion:	117	Resp:	107879
Ion	Ratio	Lower	Upper
117	100		
201	101.7	49.0	147.0





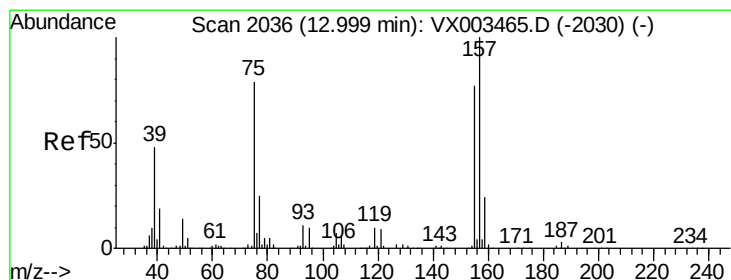
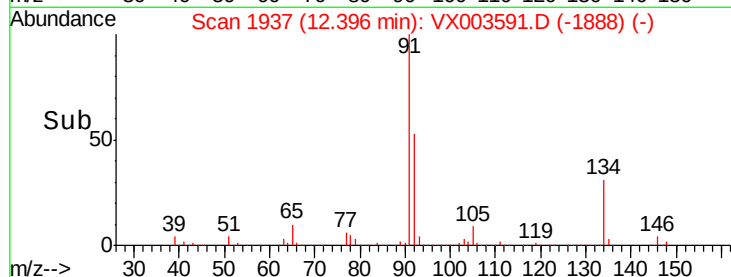
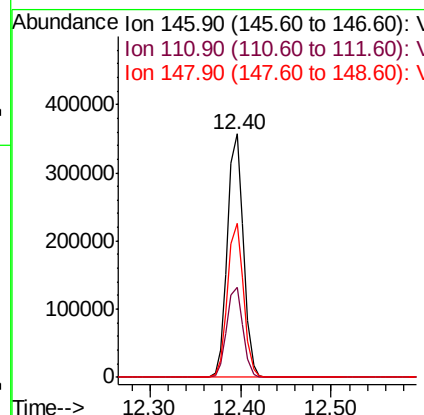
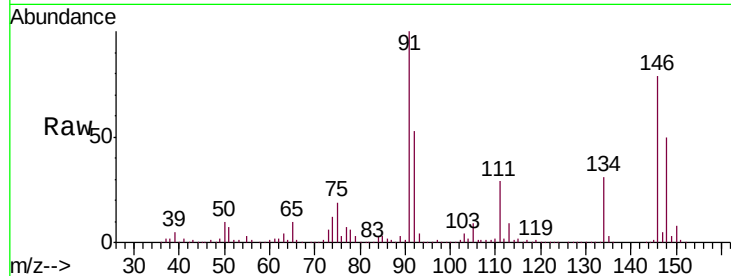
#91
 1,2-Dichlorobenzene
 Concen: 51.804 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003591.D
 Acq: 23 Jul 2018 09:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.4	58.1
148	63.6	31.7	95.1

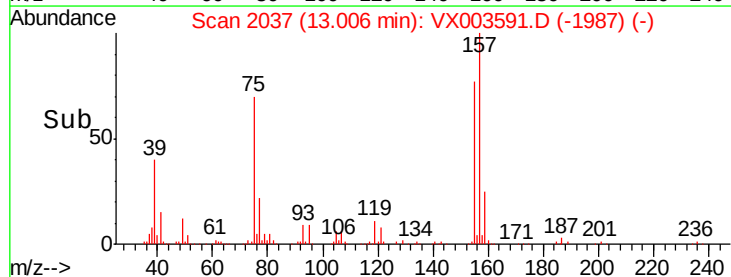
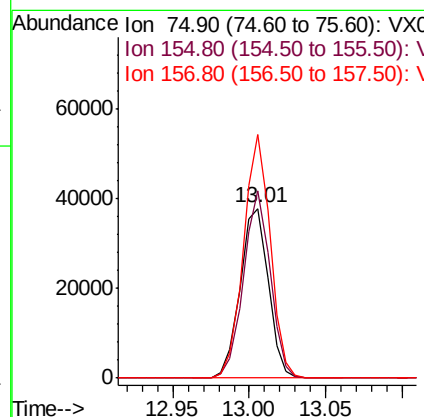
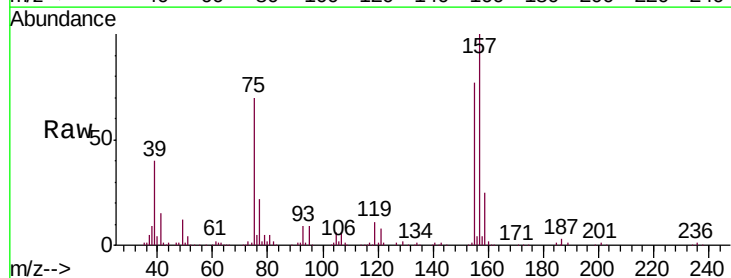
Manual Integrations
 APPROVED

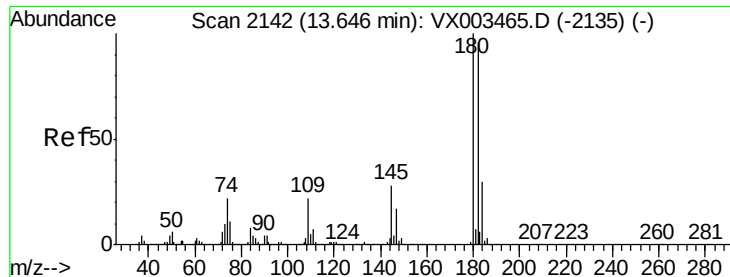
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 7/24/2018 12:37:17 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.028 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VX003591.D
 Acq: 23 Jul 2018 09:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.5	45.8	137.4
157	135.8	60.1	180.3





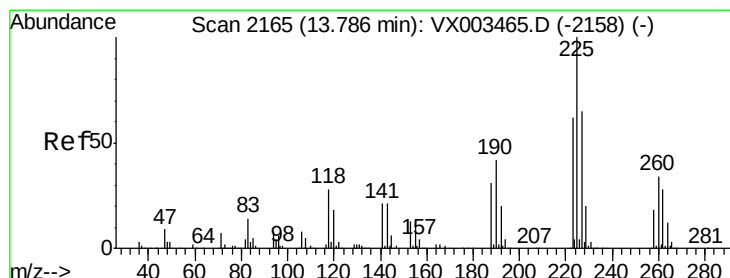
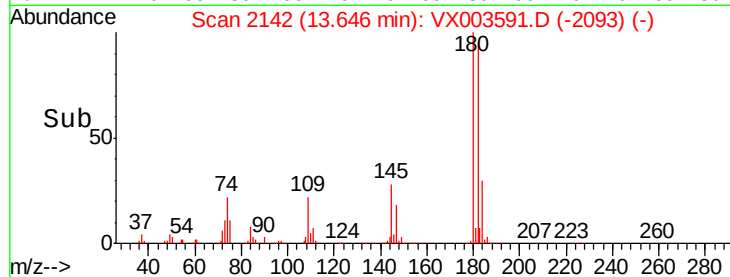
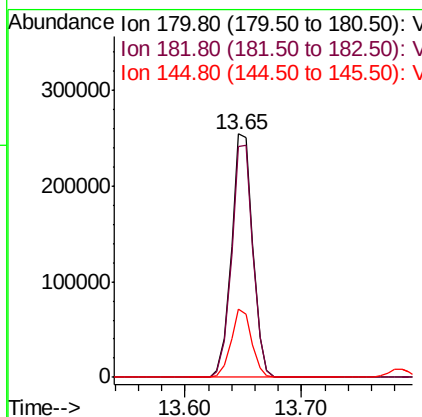
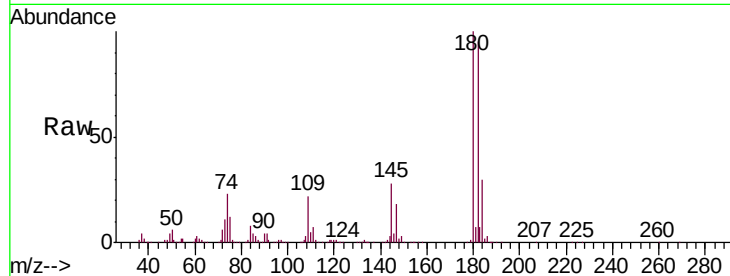
#93
 1,2,4-Trichlorobenzene
 Concen: 51.810 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003591.D
 Acq: 23 Jul 2018 09:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	322176		
182	96.0	47.7	143.1	
145	27.2	14.1	42.4	

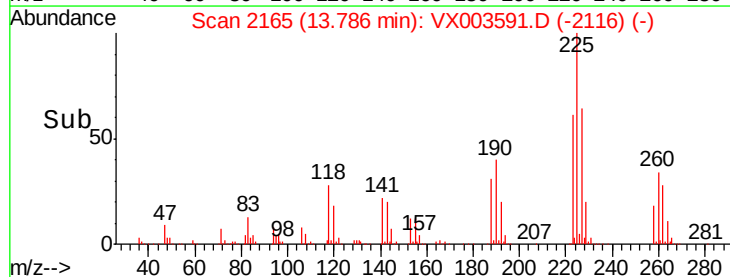
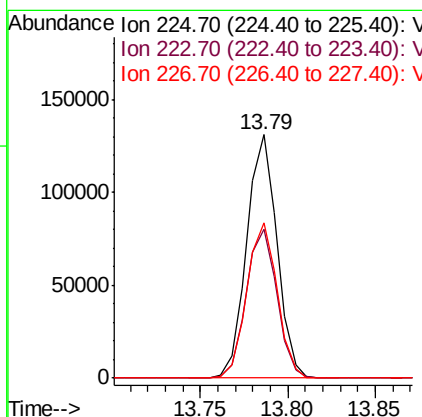
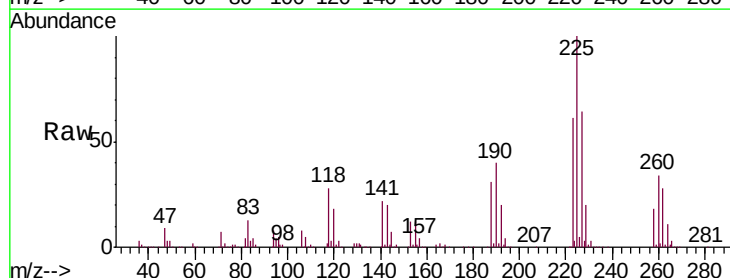
Manual Integrations
 APPROVED

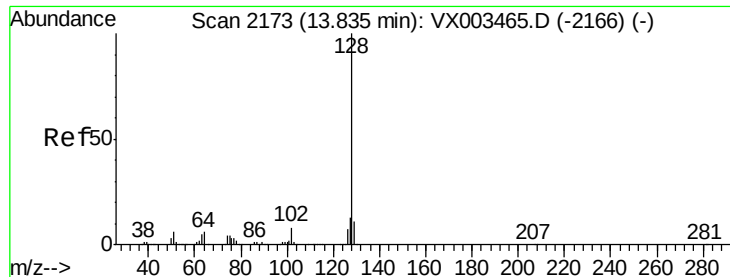
MMDadoda
 7/24/2018 12:37:17 PM



#94
 Hexachlorobutadiene
 Concen: 52.657 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003591.D
 Acq: 23 Jul 2018 09:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	157476		
223	62.0	31.6	95.0	
227	63.9	32.4	97.2	





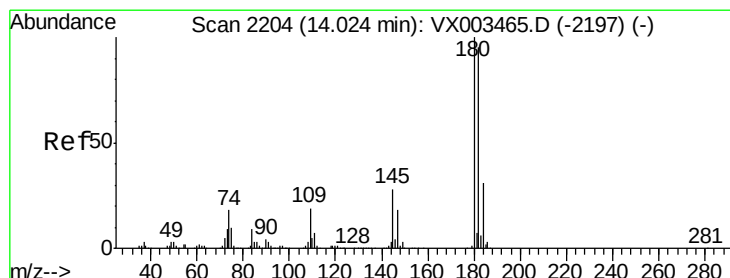
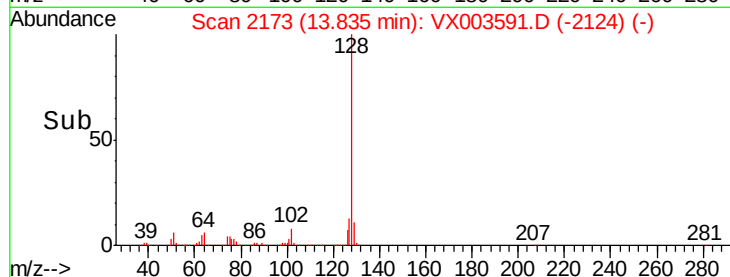
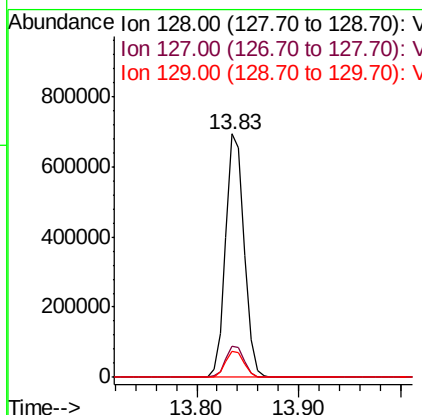
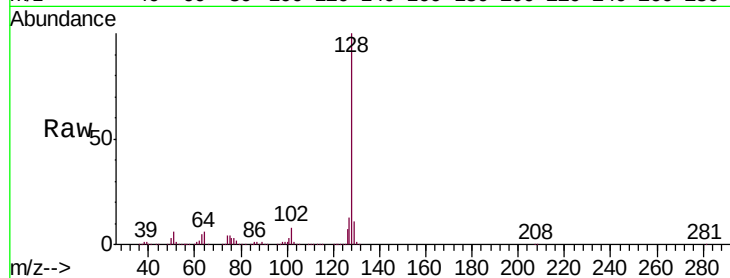
#95
Naphthalene
Concen: 53.255 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/24/2018 12:37:17 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.511 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003591.D
Acq: 23 Jul 2018 09:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.0	144.0
145	29.1	14.8	44.3

