

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072318\
 Data File : VX003615.D
 Acq On : 23 Jul 2018 20:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/24/2018 12:37:46 PM

Quant Time: Jul 24 08:28:08 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	266391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	382938	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	365447	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	223346	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	174853	55.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.90%	
35) Dibromofluoromethane	5.51	113	155092	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
50) Toluene-d8	8.72	98	581821	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
62) 4-Bromofluorobenzene	11.14	95	214799	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	106086	50.164	ug/l	100
3) Chloromethane	1.32	50	135724	51.818	ug/l	100
4) Vinyl Chloride	1.40	62	155289	45.888	ug/l	100
5) Bromomethane	1.64	94	74554	55.661	ug/l	98
6) Chloroethane	1.72	64	104076	51.973	ug/l	98
7) Trichlorofluoromethane	1.92	101	234615	51.965	ug/l	98
8) Diethyl Ether	2.19	74	101111	52.144	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.38	101	145467	49.228	ug/l	97
10) Methyl Iodide	2.51	142	205683	57.941	ug/l	93
11) Tert butyl alcohol	3.08	59	188761	302.510	ug/l	99
12) 1,1-Dichloroethene	2.37	96	140045	51.471	ug/l	86
13) Acrolein	2.29	56	54788	194.331	ug/l	100
14) Allyl chloride	2.73	41	248444	51.582	ug/l	86
15) Acrylonitrile	3.15	53	449496	282.946	ug/l	97
16) Acetone	2.45	43	350947	294.640	ug/l #	88
17) Carbon Disulfide	2.57	76	359716	48.886	ug/l	98
18) Methyl Acetate	2.78	43	225035	59.930	ug/l	91
19) Methyl tert-butyl Ether	3.21	73	495526	55.773	ug/l	100
20) Methylene Chloride	2.86	84	162572	55.923	ug/l	89
21) trans-1,2-Dichloroethene	3.16	96	152799	50.474	ug/l	94
22) Diisopropyl ether	3.88	45	506735	55.911	ug/l	94
23) Vinyl Acetate	3.83	43	2101129	281.446	ug/l	95
24) 1,1-Dichloroethane	3.70	63	290350	54.602	ug/l	100
25) 2-Butanone	4.71	43	607693	304.082	ug/l	92
26) 2,2-Dichloropropane	4.59	77	156927	38.856	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	178068	52.828	ug/l	96
28) Bromochloromethane	5.03	49	121286	52.183	ug/l	88
29) Tetrahydrofuran	5.17	42	399007	302.242	ug/l	92
30) Chloroform	5.22	83	293361	56.497	ug/l	97
31) Cyclohexane	5.57	56	250092	52.638	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	251089	56.469	ug/l	97
36) 1,1-Dichloropropene	5.80	75	214578	51.900	ug/l	98
37) Ethyl Acetate	4.87	43	231823	59.254	ug/l	96
38) Carbon Tetrachloride	5.78	117	225543	55.615	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	248746	50.797	ug/l	95
40) Benzene	6.15	78	669068	53.599	ug/l	100
41) Methacrylonitrile	5.07	41	131729	57.289	ug/l	92
42) 1,2-Dichloroethane	6.20	62	222314	56.525	ug/l	96
43) Isopropyl Acetate	6.47	43	378690	60.849	ug/l	95
44) Trichloroethene	7.21	130	193274	51.918	ug/l	100
45) 1,2-Dichloropropane	7.52	63	175836	55.475	ug/l	99
46) Dibromomethane	7.67	93	114522	56.121	ug/l	96
47) Bromodichloromethane	7.90	83	217060	58.103	ug/l	97
48) Methyl methacrylate	7.78	41	191727	61.089	ug/l	85
49) 1,4-Dioxane	7.76	88	84559	1189.107	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	1235383	314.210	ug/l	92
52) Toluene	8.79	92	426265	54.250	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	254574	55.365	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	231852	56.070	ug/l	91
55) 1,1,2-Trichloroethane	9.22	97	176590	56.479	ug/l	99
56) Ethyl methacrylate	9.18	69	264691	60.103	ug/l #	83
57) 1,3-Dichloropropane	9.37	76	285384	56.466	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	584035	272.734	ug/l	97
59) 2-Hexanone	9.50	43	939933	322.660	ug/l	89
60) Dibromochloromethane	9.59	129	181429	58.624	ug/l	99
61) 1,2-Dibromoethane	9.68	107	182505	56.307	ug/l	99
64) Tetrachloroethene	9.34	164	230158	51.692	ug/l	99
65) Chlorobenzene	10.14	112	485254	51.536	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	179578	55.432	ug/l	99
67) Ethyl Benzene	10.26	91	816515	53.934	ug/l	99
68) m/p-Xylenes	10.36	106	636992	107.324	ug/l	96
69) o-Xylene	10.70	106	307621	53.599	ug/l	97
70) Styrene	10.71	104	524889	55.599	ug/l	97
71) Bromoform	10.86	173	144961	57.591	ug/l	99
73) Isopropylbenzene	11.02	105	830643	53.775	ug/l	100
74) N-amyl acetate	6.47	43	378690	57.737	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	253026	55.899	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	224071m	55.845	ug/l	
77) Bromobenzene	11.26	156	229745	51.714	ug/l	96
78) n-propylbenzene	11.37	91	929409	54.129	ug/l	98
79) 2-Chlorotoluene	11.43	91	554102	53.159	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	687997	54.196	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	67806	48.091	ug/l	87
82) 4-Chlorotoluene	11.51	91	645294	52.833	ug/l	98
83) tert-Butylbenzene	11.77	119	668017	53.734	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	706045	54.659	ug/l	97
85) sec-Butylbenzene	11.95	105	816567	54.077	ug/l	100
86) p-Isopropyltoluene	12.07	119	733549	54.131	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	413784	50.669	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	418698	49.771	ug/l	99
89) n-Butylbenzene	12.39	91	617561	53.667	ug/l	99
90) Hexachloroethane	12.60	117	104910	54.458	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	417765	51.904	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	53997	61.298	ug/l	90

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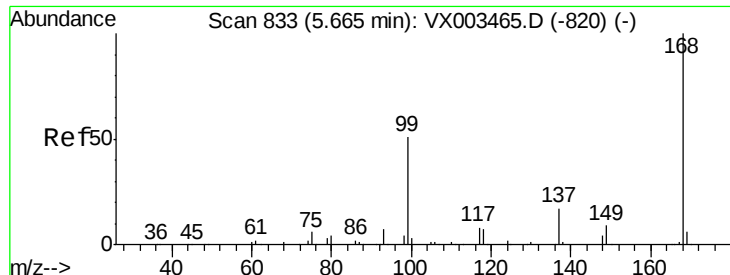
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	301235	51.066	ug/l	99
94) Hexachlorobutadiene	13.79	225	143933	50.736	ug/l	99
95) Naphthalene	13.83	128	887711	57.270	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	307568	52.670	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 266391

Ion Ratio Lower Upper

168 100

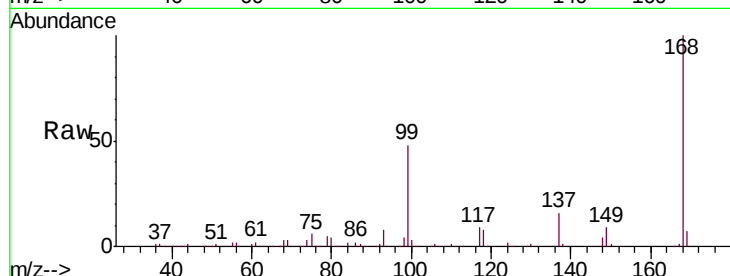
99 47.9 39.3 58.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

40000

20000

0

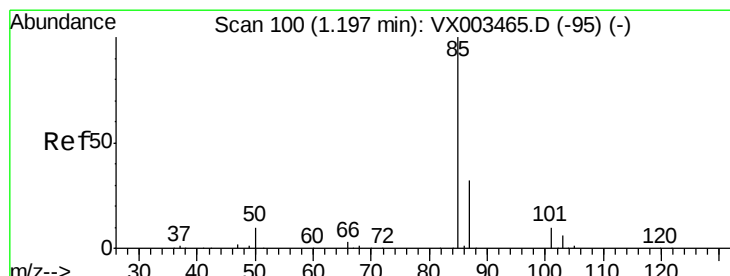
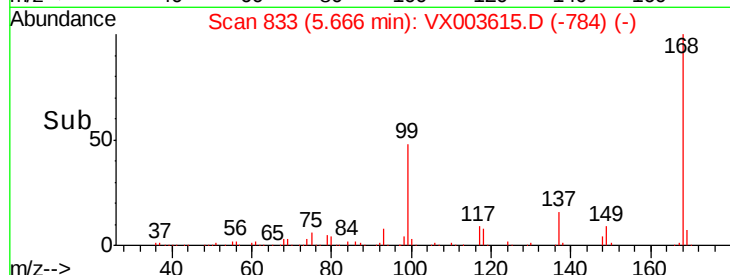
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 50.164 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003615.D

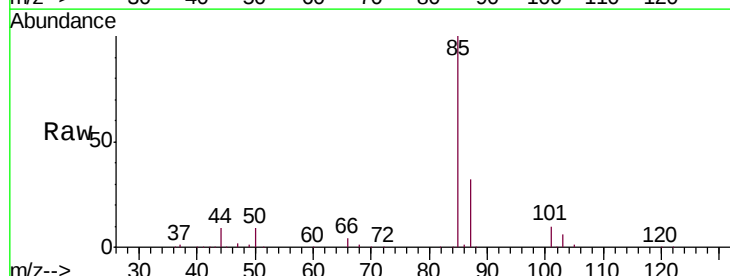
Acq: 23 Jul 2018 20:03

Tgt Ion: 85 Resp: 106086

Ion Ratio Lower Upper

85 100

87 31.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

60000

40000

20000

0

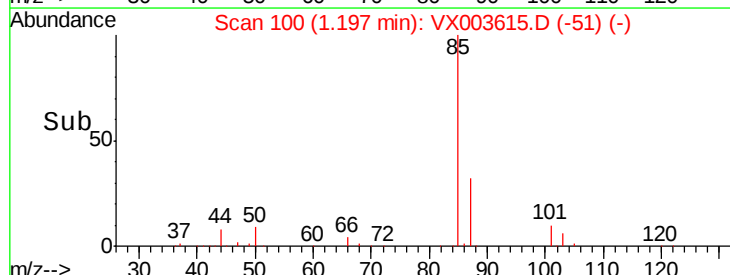
Time-->

1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 51.818 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 135724

Ion Ratio Lower Upper

50 100

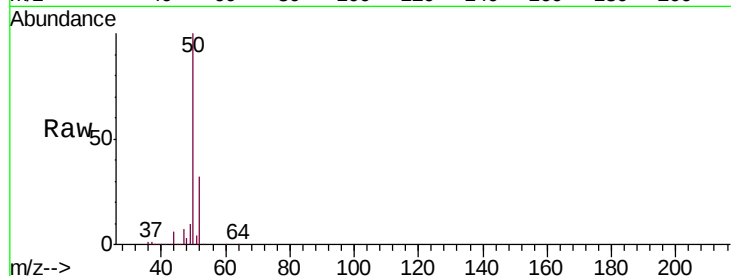
52 31.8 25.7 38.5

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

150000

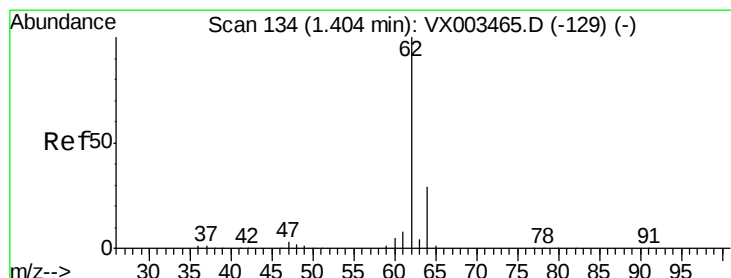
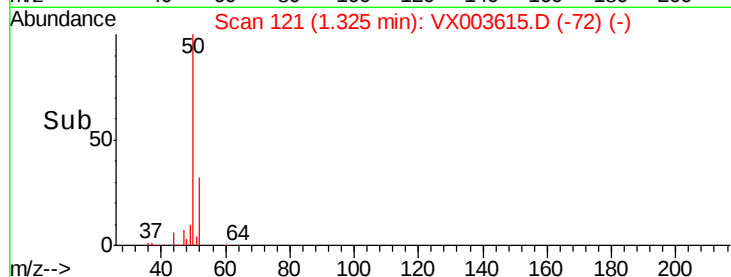
1.32

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 45.888 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003615.D

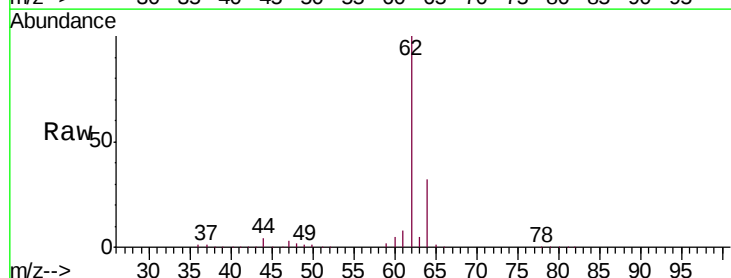
Acq: 23 Jul 2018 20:03

Tgt Ion: 62 Resp: 155289

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

150000

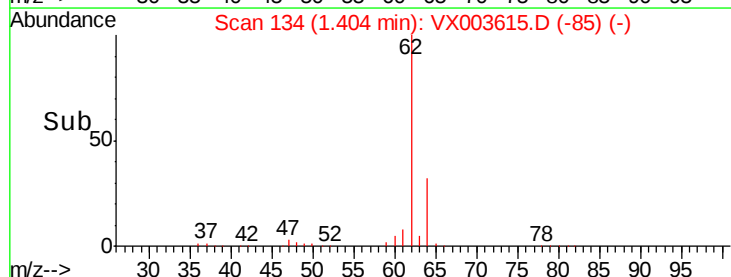
1.40

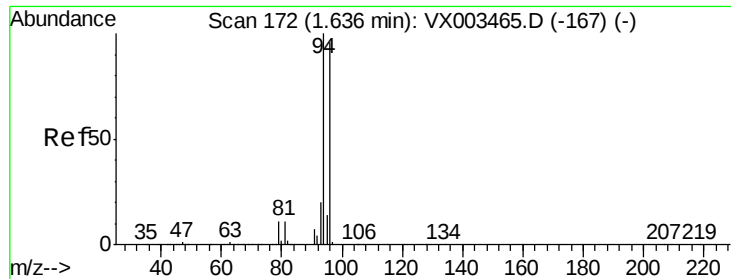
100000

50000

0

Time--> 1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 55.661 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 74554

Ion Ratio Lower Upper

94 100

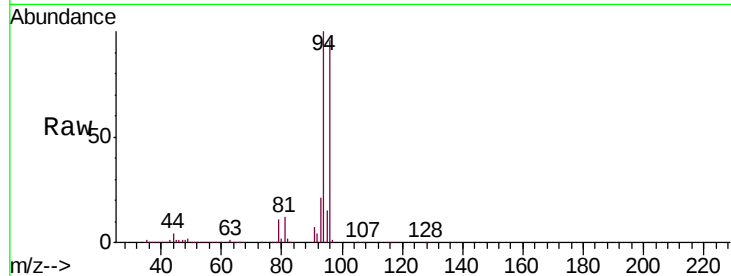
96 95.5 74.9 112.3

Manual Integrations

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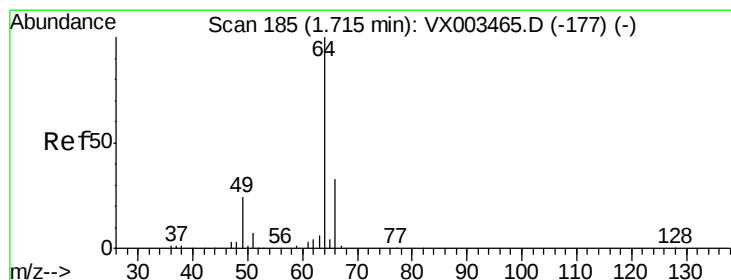
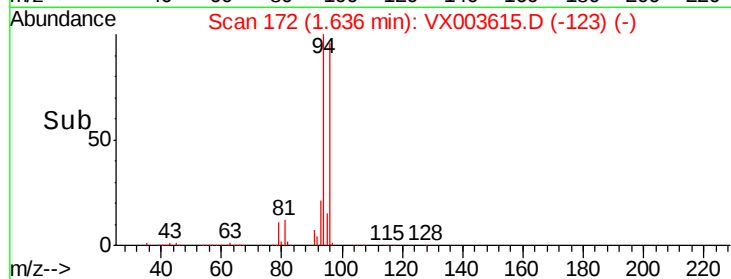
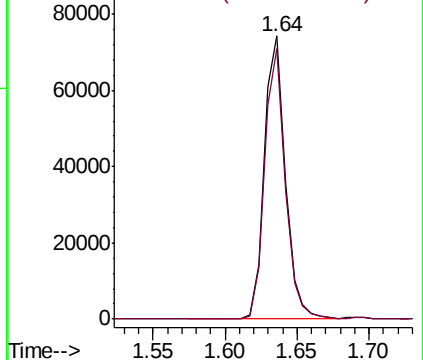
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 51.973 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003615.D

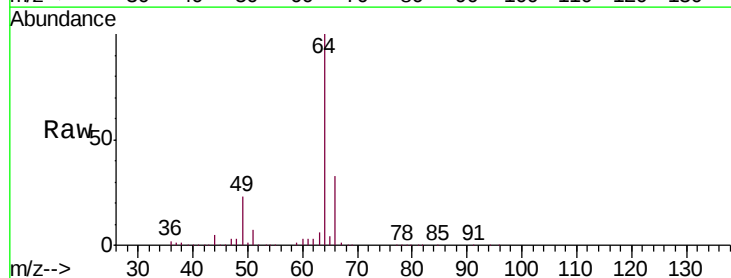
Acq: 23 Jul 2018 20:03

Tgt Ion: 64 Resp: 104076

Ion Ratio Lower Upper

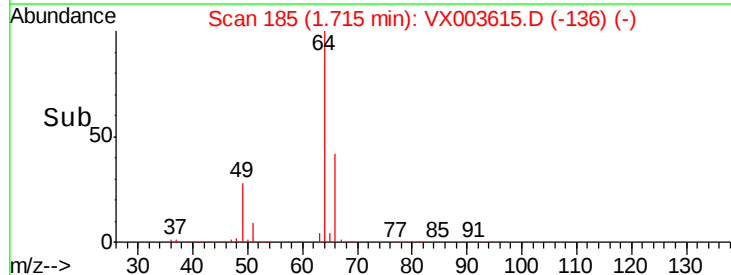
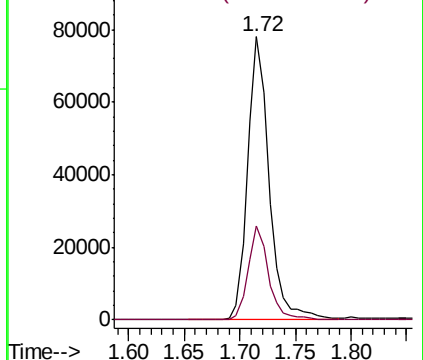
64 100

66 33.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

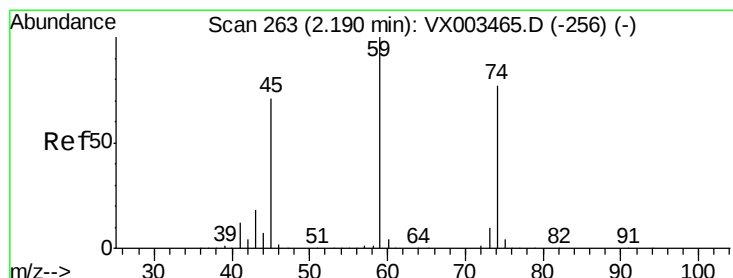
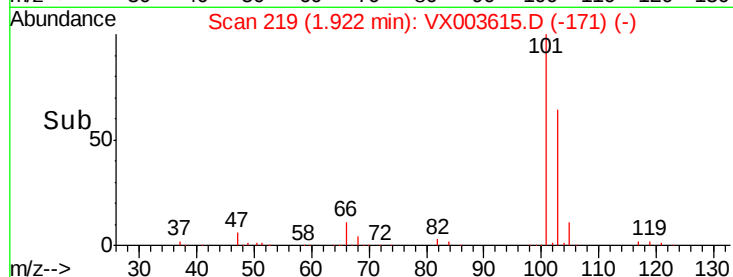
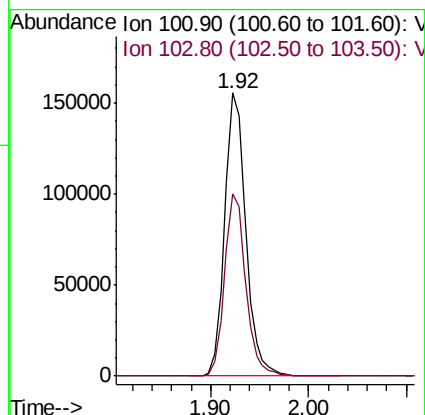
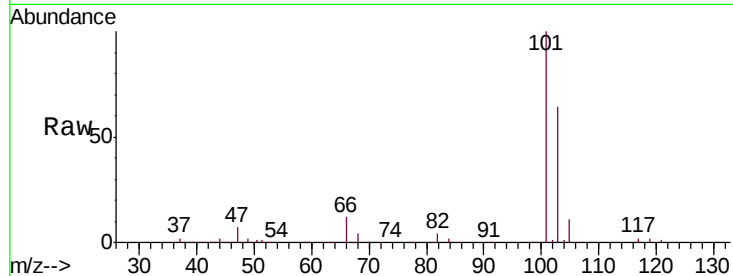
Trichlorofluoromethane
Concen: 51.965 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.8	79.2

Manual Integrations
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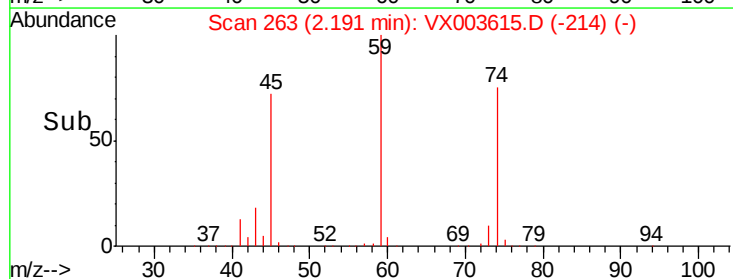
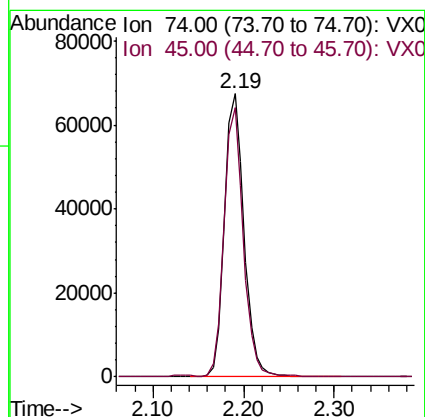
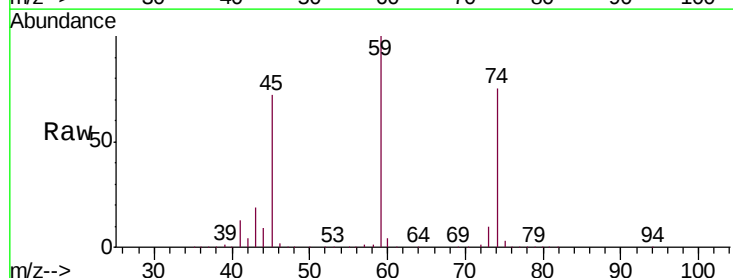
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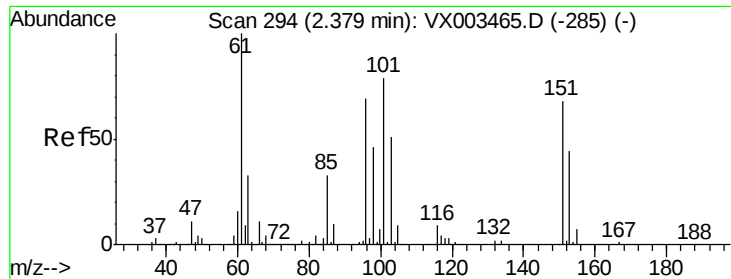


#8

Diethyl Ether
Concen: 52.144 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.8	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.228 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Instrument :

MSVOA_X

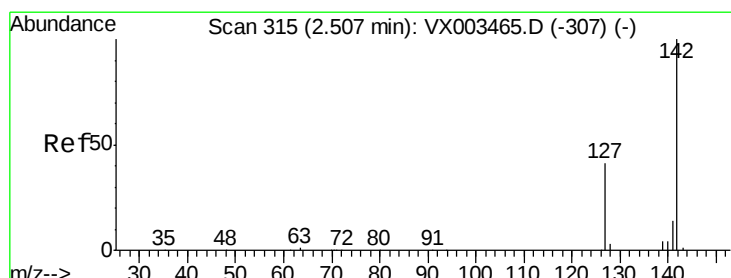
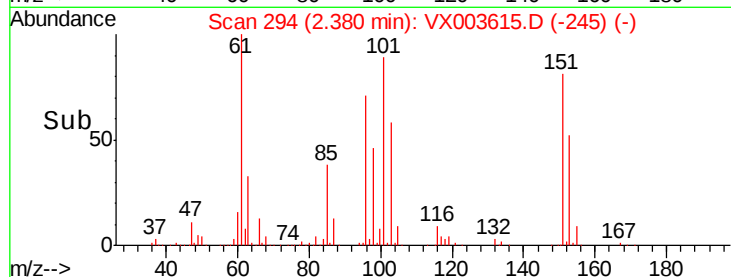
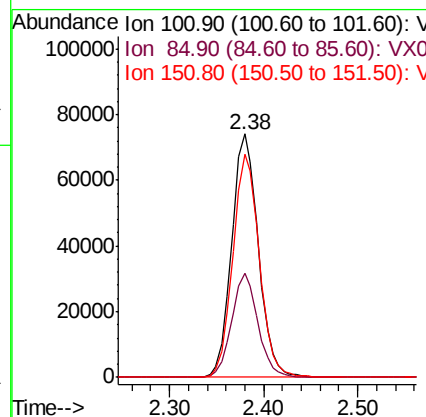
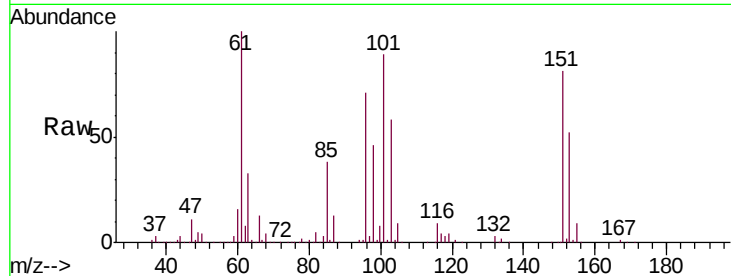
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	145467
Ion Ratio	Lower	Upper	
101	100		
85	41.8	36.0	54.0
151	90.8	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 57.941 ug/l

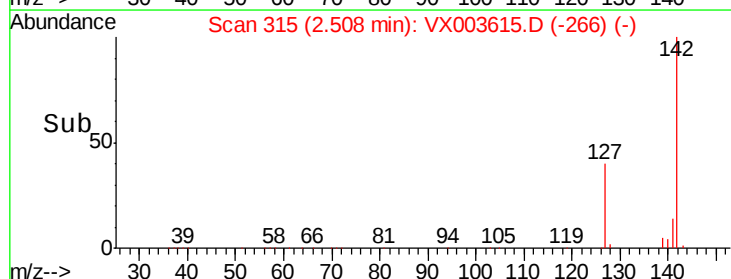
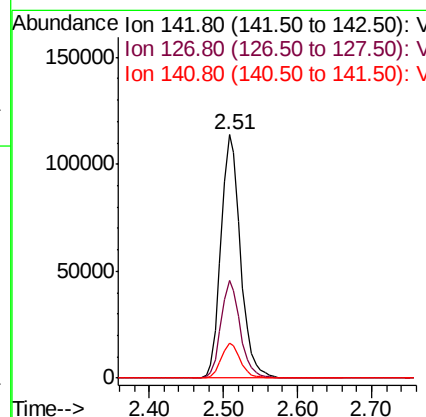
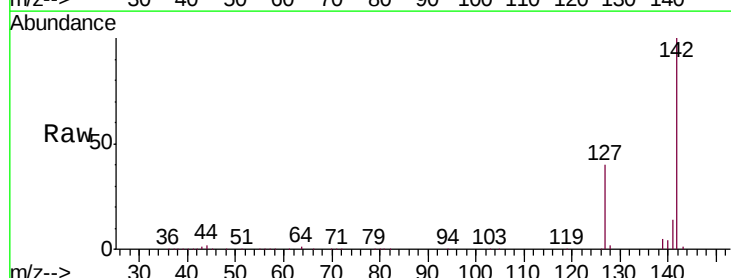
RT: 2.51 min Scan# 315

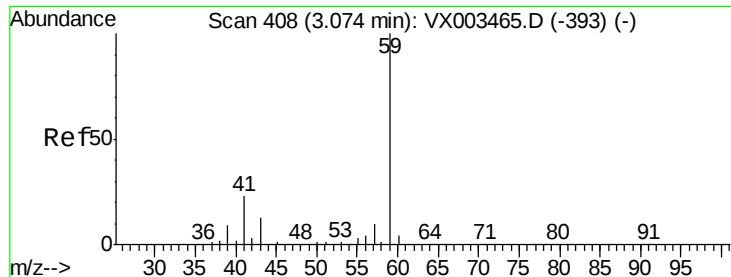
Delta R.T. 0.00 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Tgt Ion:	142	Resp:	205683
Ion Ratio	Lower	Upper	
142	100		
127	39.6	36.6	55.0
141	14.1	11.3	16.9





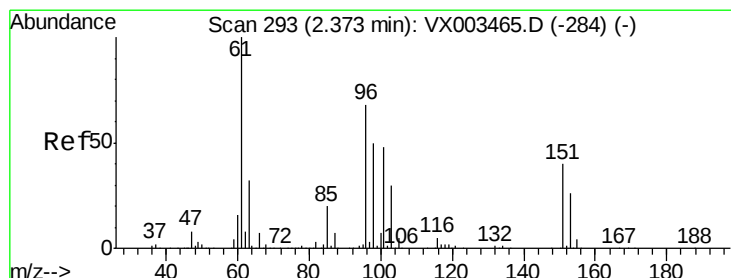
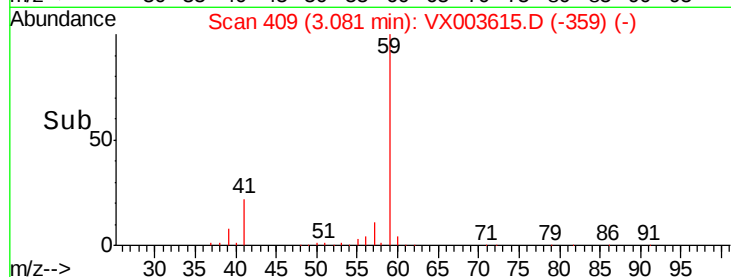
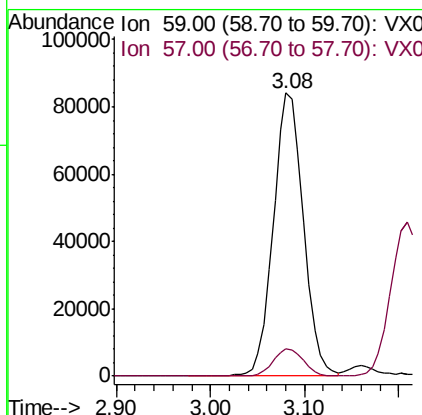
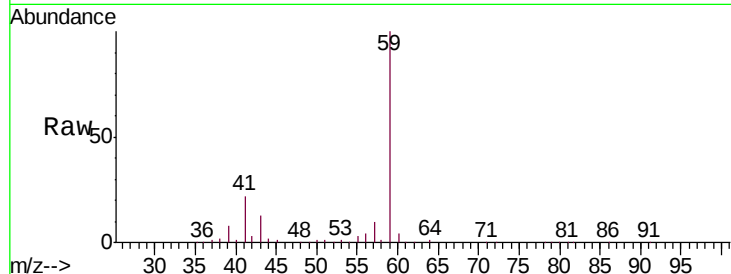
#11
Tert butyl alcohol
Concen: 302.510 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.2

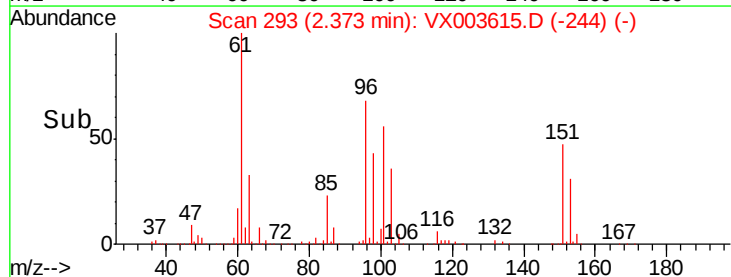
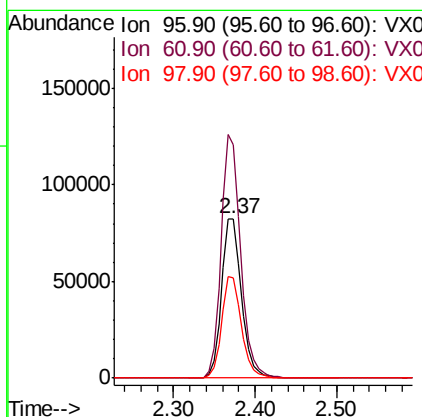
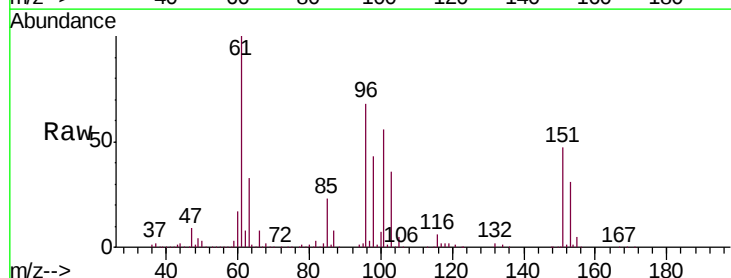
Manual Integrations
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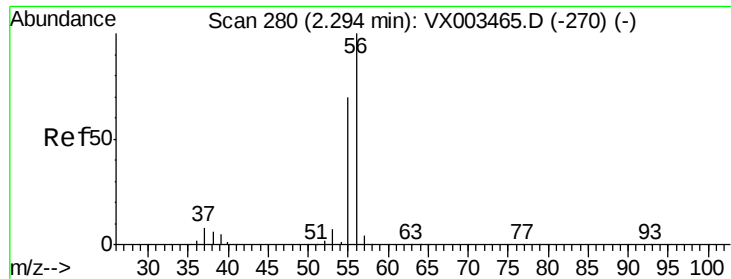
MMDadoda
7/24/2018 12:37:46 PM



#12
1,1-Dichloroethene
Concen: 51.471 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.2	137.9	206.9
98	63.2	51.6	77.4





#13

Acrolein

Concen: 194.331 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 54788

Ion Ratio Lower Upper

56 100

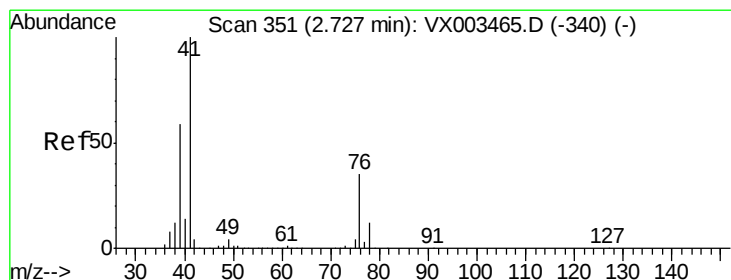
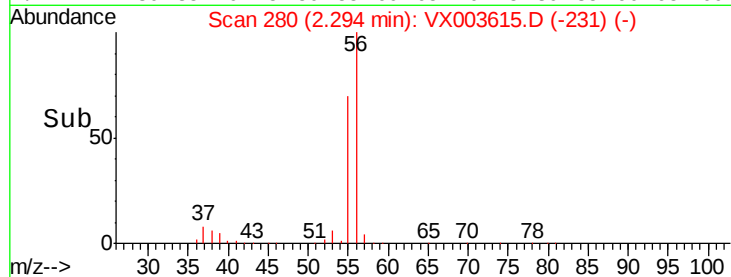
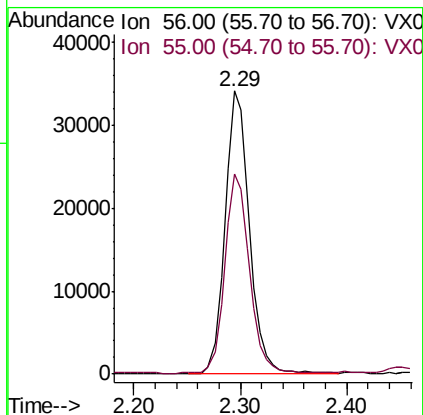
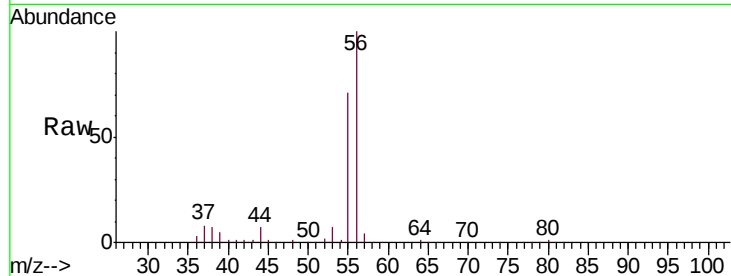
55 71.4 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 51.582 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

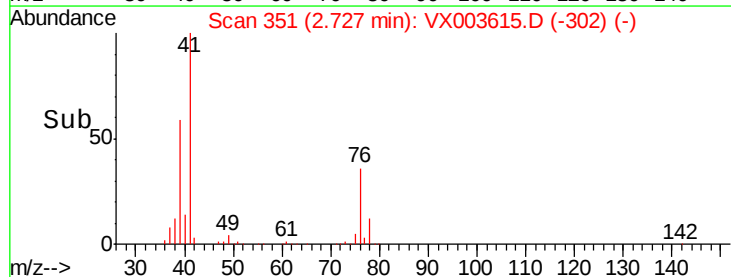
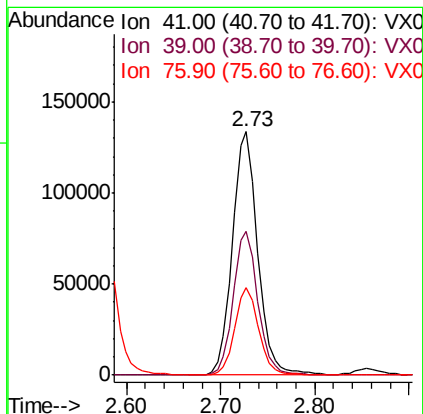
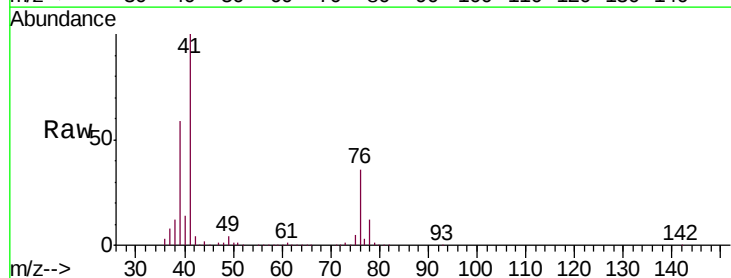
Tgt Ion: 41 Resp: 248444

Ion Ratio Lower Upper

41 100

39 57.3 56.8 85.2

76 34.1 23.8 35.8





#15

Acrylonitrile

Concen: 282.946 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Instrument :

MSVOA_X

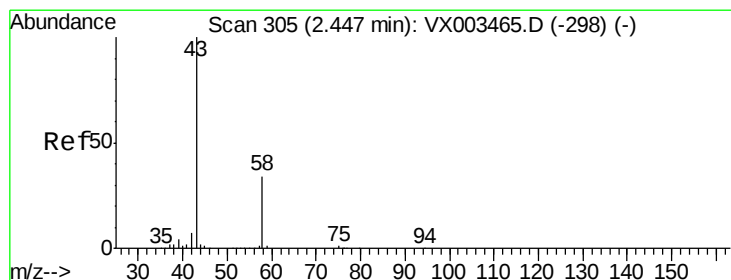
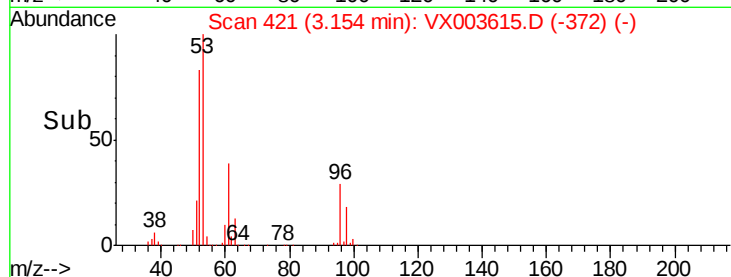
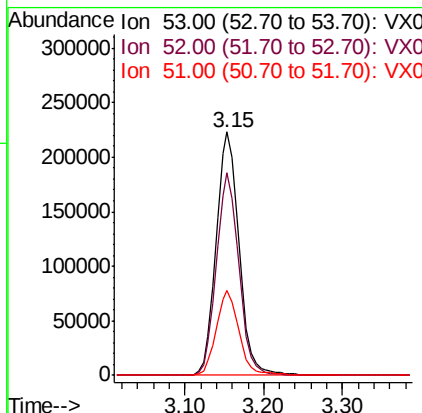
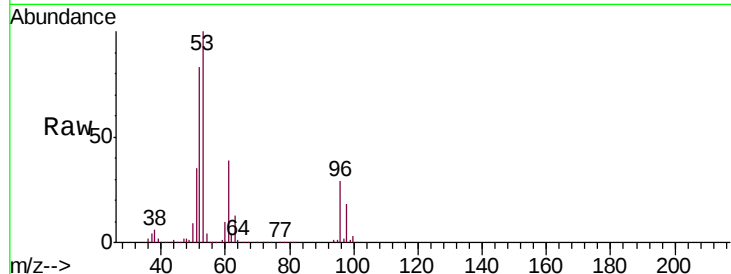
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	449496
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.7	100.1
51	34.7	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 294.640 ug/l

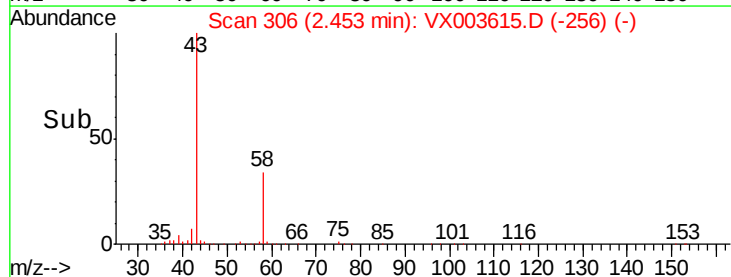
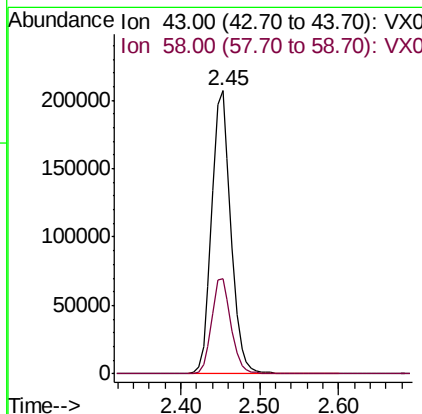
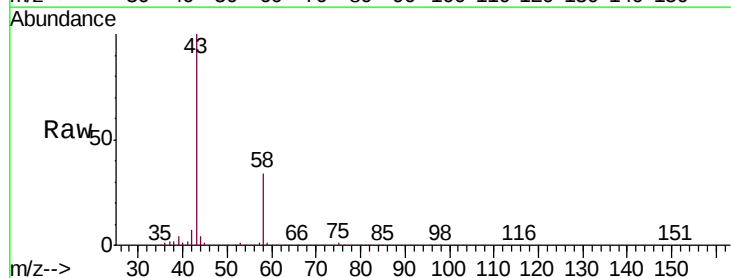
RT: 2.45 min Scan# 306

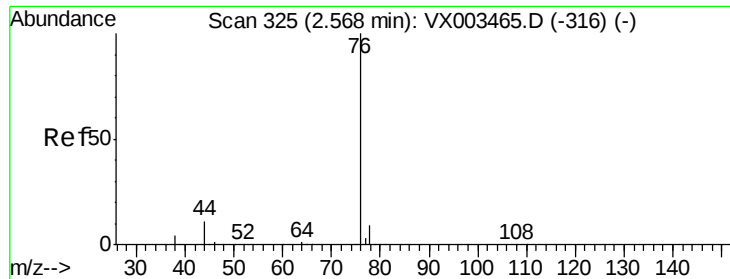
Delta R.T. 0.01 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Tgt Ion:	43	Resp:	350947
Ion	Ratio	Lower	Upper
43	100		
58	33.8	22.1	33.1#





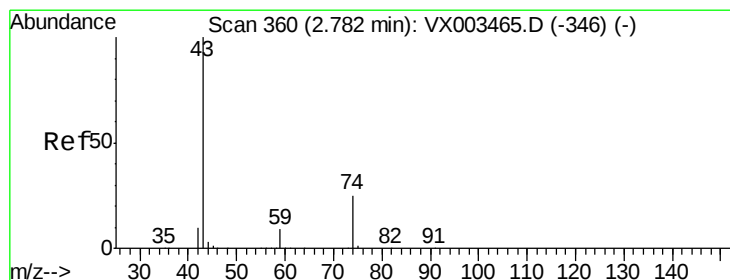
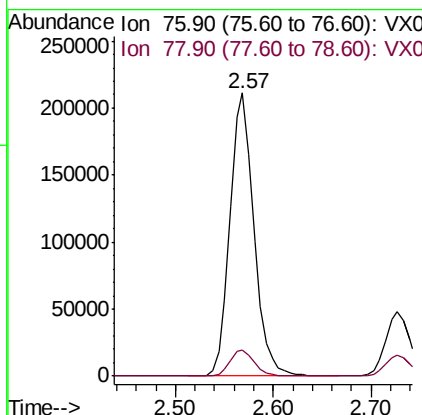
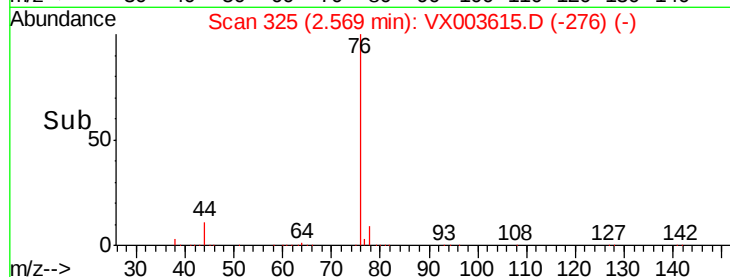
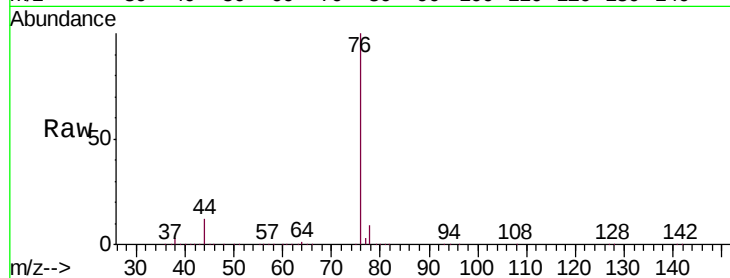
#17
Carbon Disulfide
Concen: 48.886 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.9	10.3

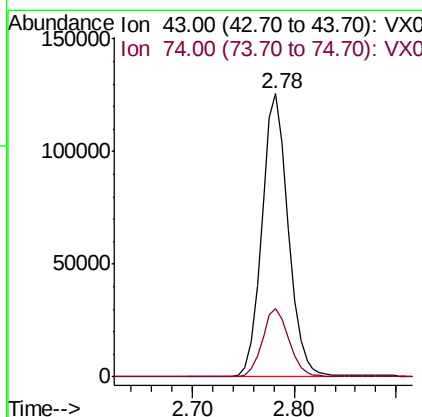
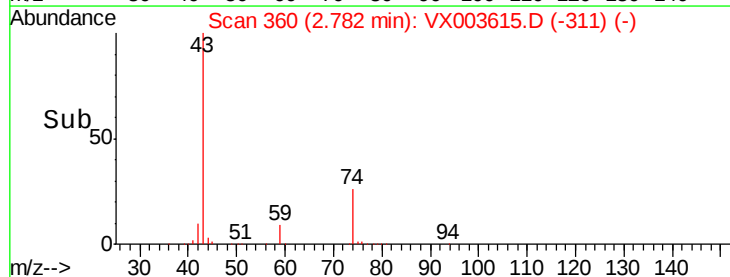
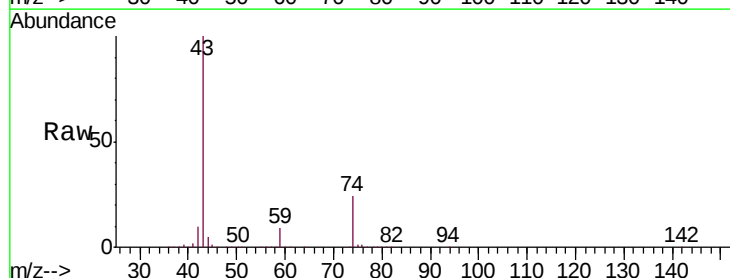
Manual Integrations
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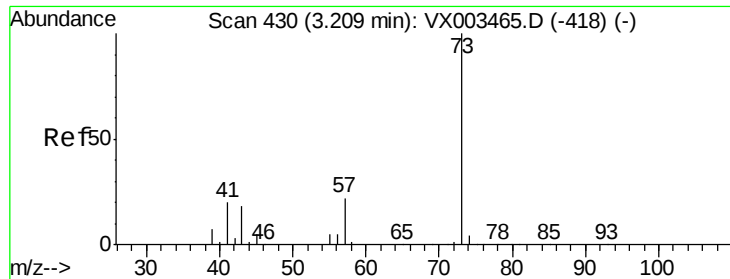
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#18
Methyl Acetate
Concen: 59.930 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	16.7	25.1





#19

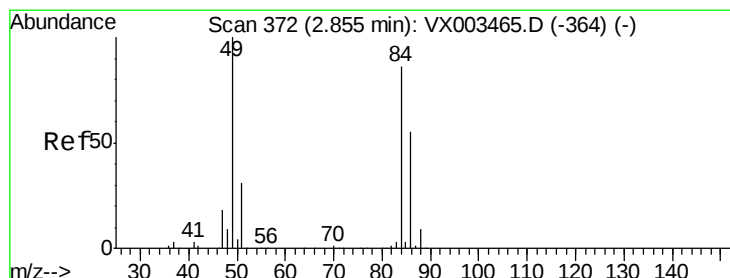
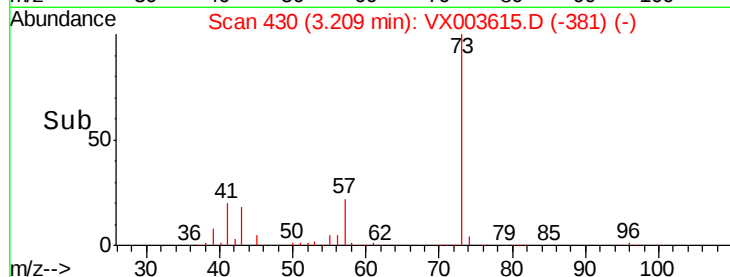
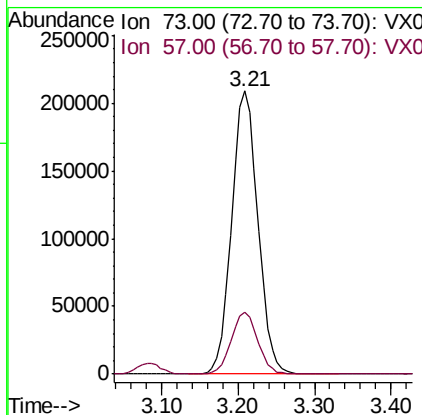
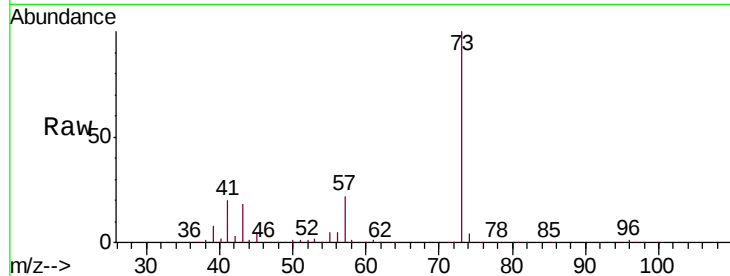
Methyl tert-butyl Ether
 Concen: 55.773 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX003615.D
 Acq: 23 Jul 2018 20:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.7	26.5

Manual Integrations
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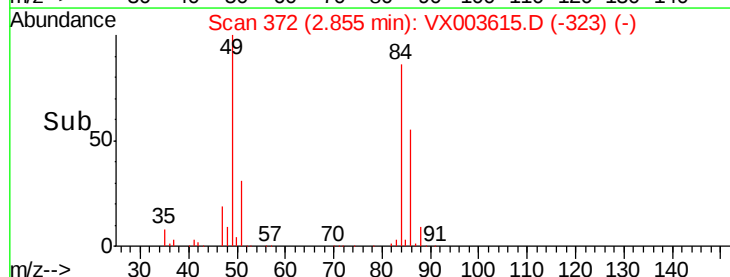
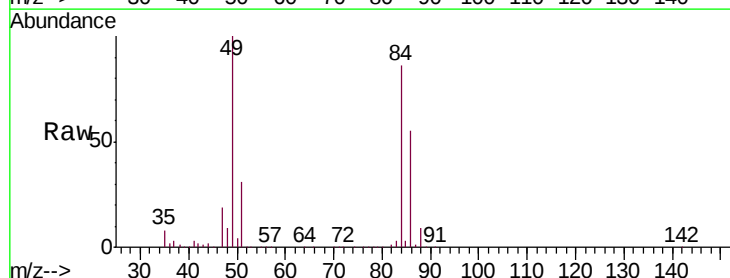
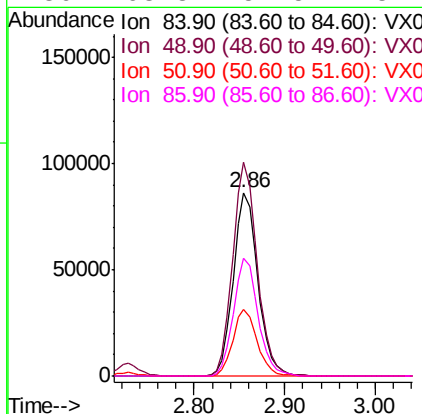
MMDadoda
 7/24/2018 12:37:46 PM

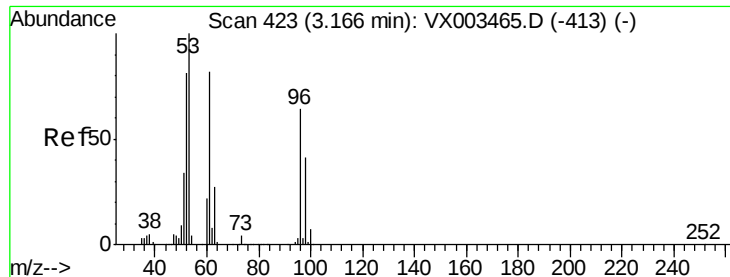


#20

Methylene Chloride
 Concen: 55.923 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX003615.D
 Acq: 23 Jul 2018 20:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.3	107.8	161.6
51	36.1	32.8	49.2
86	63.8	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 50.474 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 152799

Ion Ratio Lower Upper

96 100

61 136.6 117.0 175.4

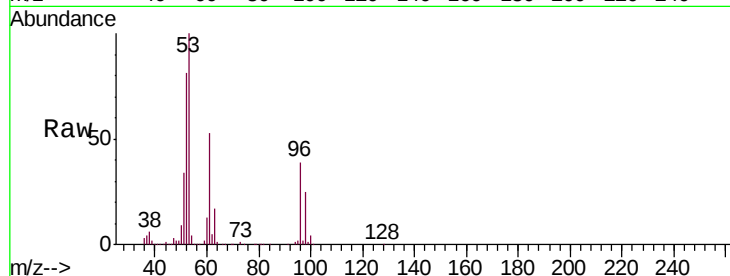
98 64.1 52.4 78.6

Manual Integrations

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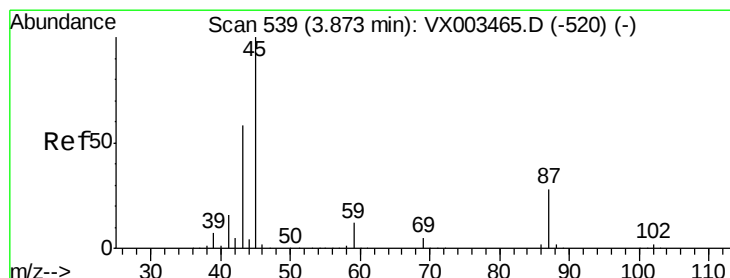
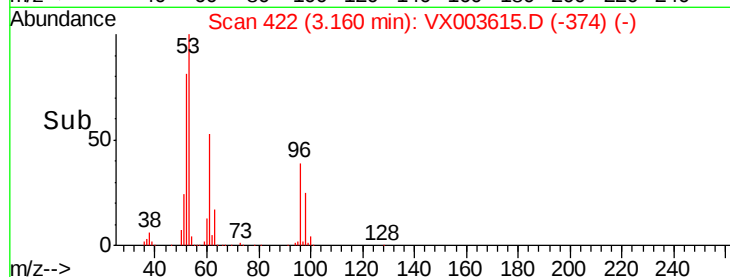
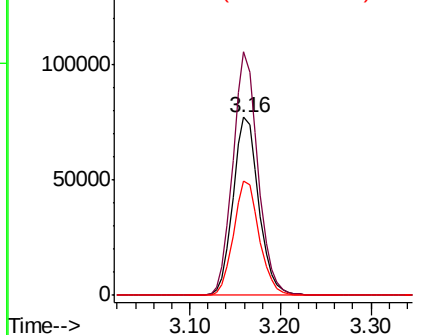
7/24/2018 12:37:46 PM



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



#22

Diisopropyl ether

Concen: 55.911 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.01 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Tgt Ion: 45 Resp: 506735

Ion Ratio Lower Upper

45 100

43 54.3 46.8 70.2

87 29.1 20.2 30.4

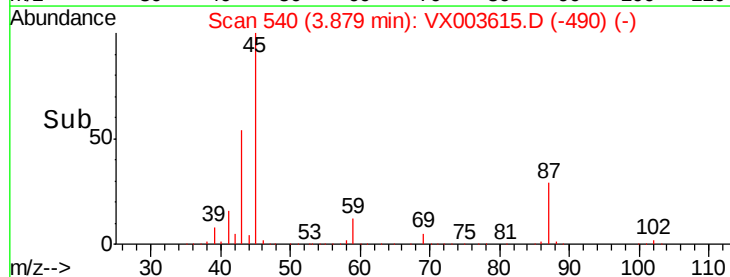
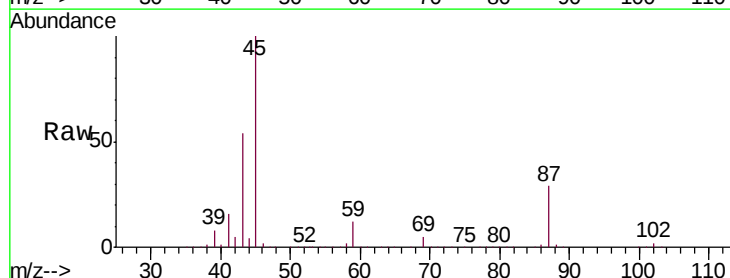
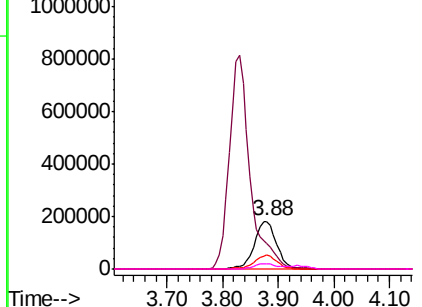
59 11.6 8.7 13.1

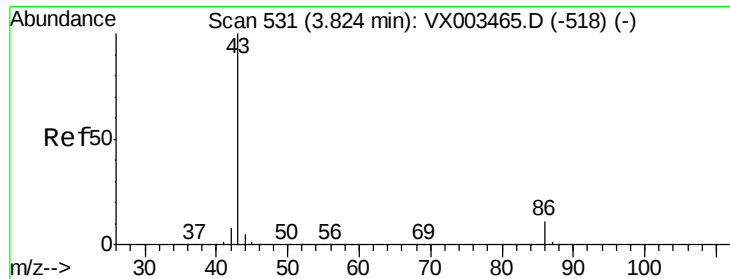
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 281.446 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.01 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2101129

Ion Ratio Lower Upper

43 100

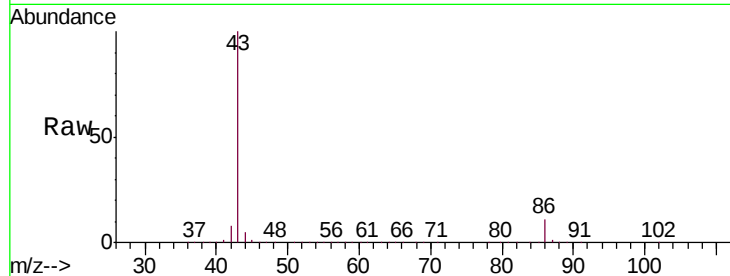
86 10.9 7.4 11.0

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

800000

600000

400000

200000

0

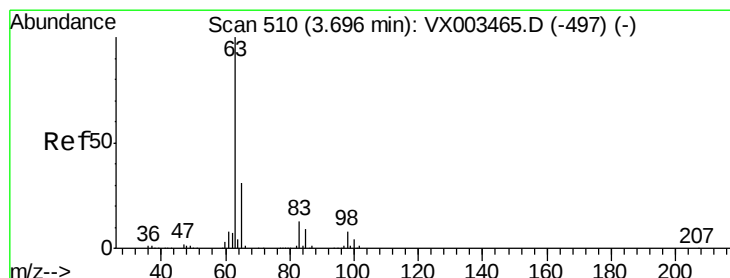
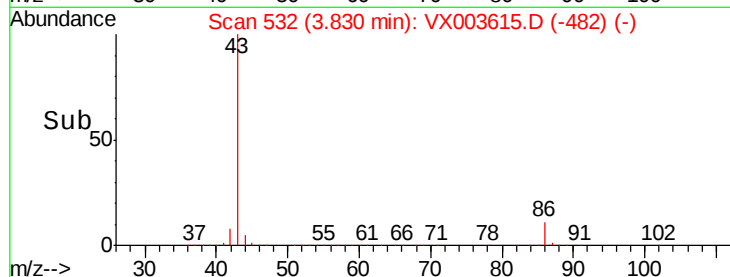
3.83

3.60

3.80

4.00

Time-->



#24

1,1-Dichloroethane

Concen: 54.602 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

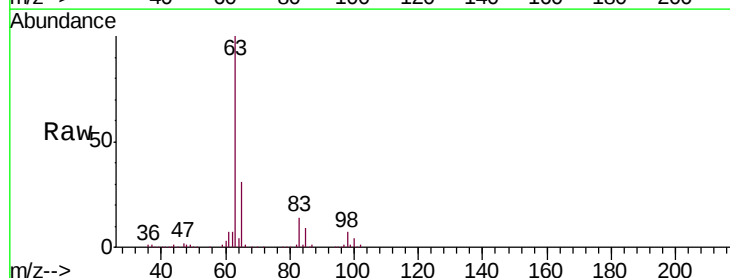
Tgt Ion: 63 Resp: 290350

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.4 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

150000

100000

50000

0

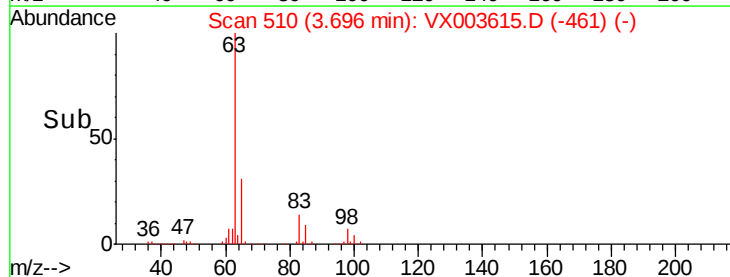
3.70

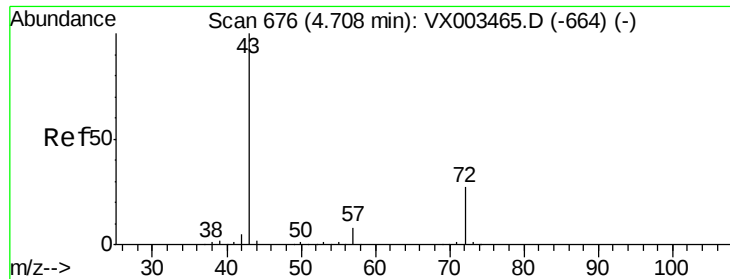
3.60

3.80

3.90

Time-->





#25

2-Butanone

Concen: 304.082 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 607693

Ion Ratio Lower Upper

43 100

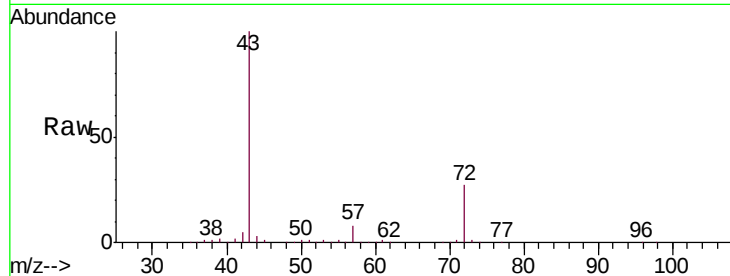
72 27.1 18.5 27.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

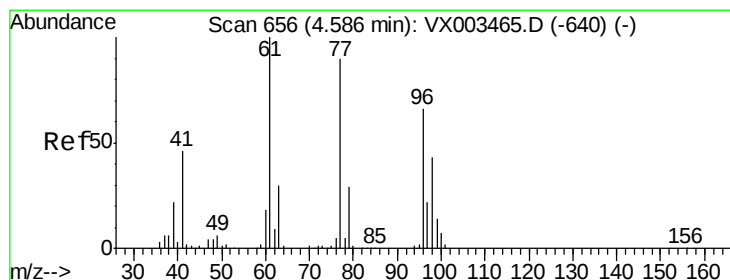
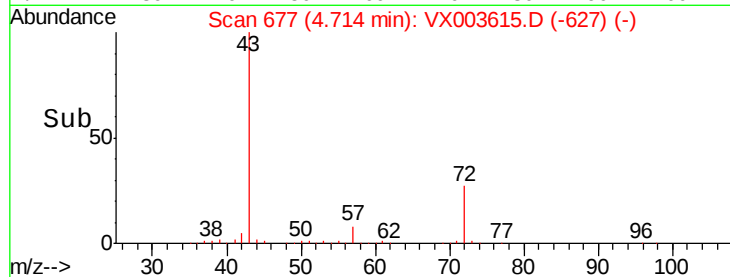
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 38.856 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003615.D

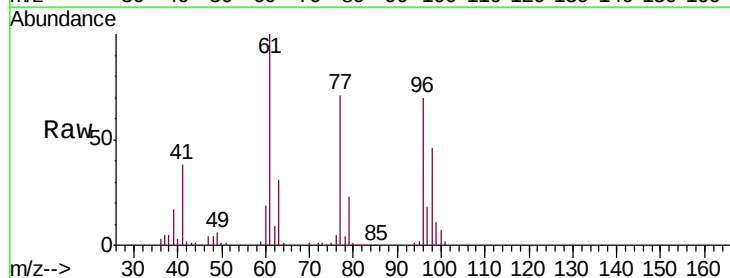
Acq: 23 Jul 2018 20:03

Tgt Ion: 77 Resp: 156927

Ion Ratio Lower Upper

77 100

97 26.0 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

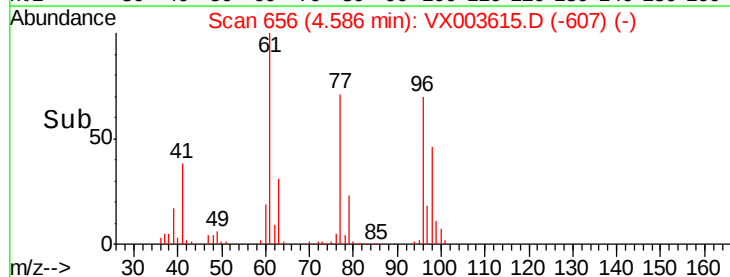
20000

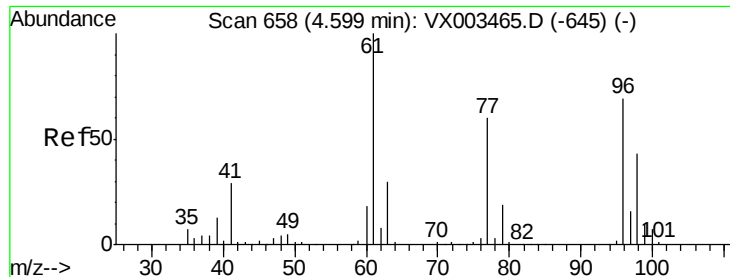
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

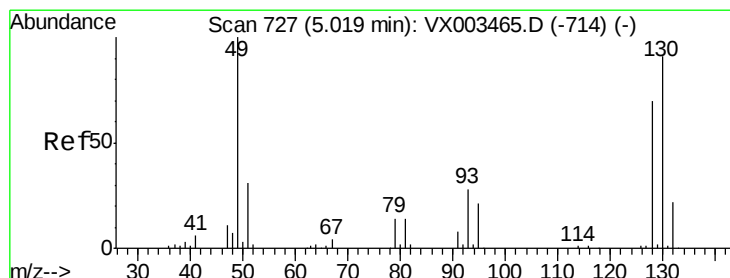
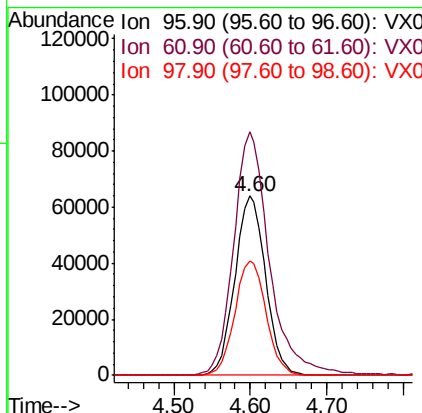
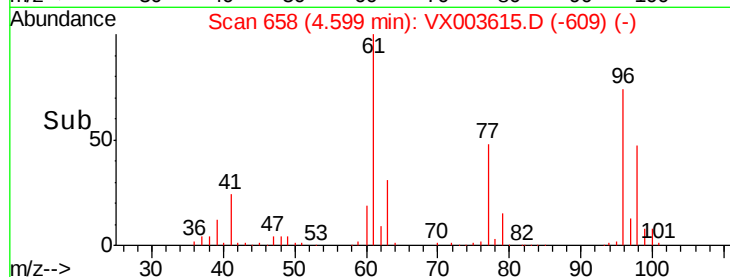
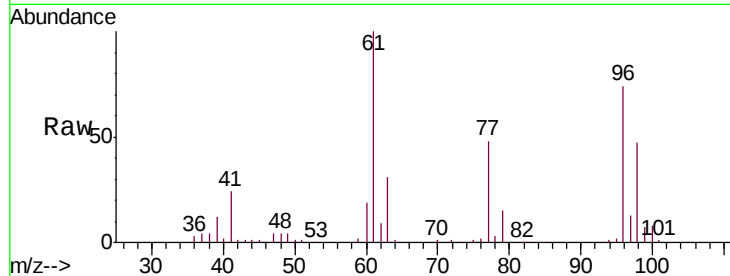
cis-1,2-Dichloroethene
Concen: 52.828 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	178068		
61	158.2	0.0	330.2	
98	65.0	0.0	130.2	

Manual Integrations
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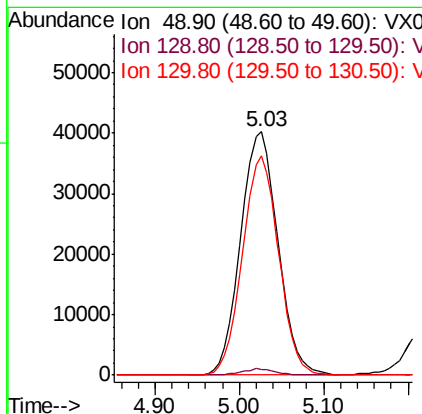
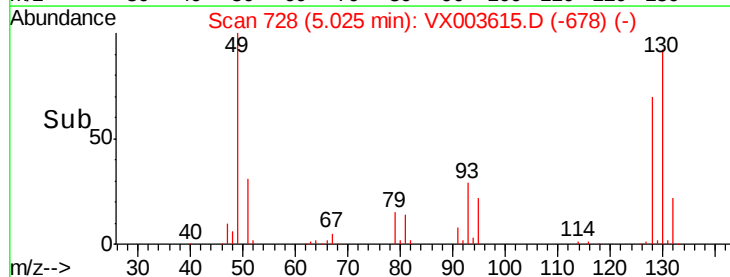
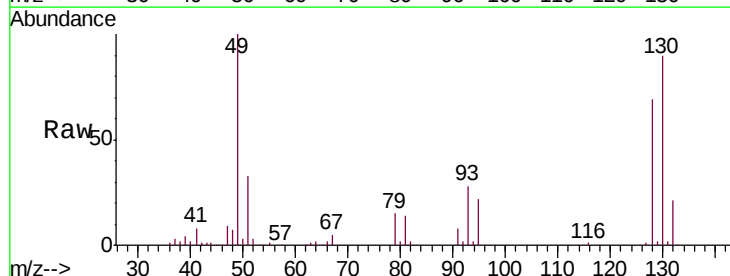
MMDadoda
7/24/2018 12:37:46 PM

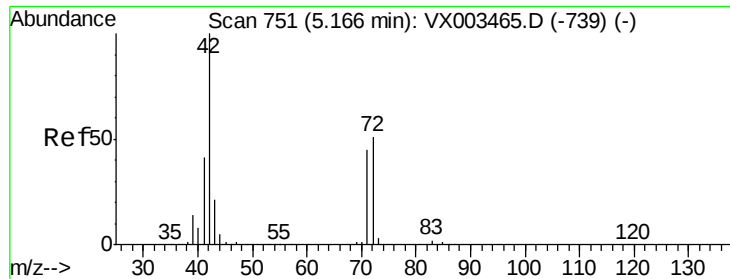


#28

Bromochloromethane
Concen: 52.183 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.01 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	121286		
129	2.2	0.0	4.2	
130	86.8	61.2	91.8	





#29

Tetrahydrofuran

Concen: 302.242 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Instrument :

MSVOA_X

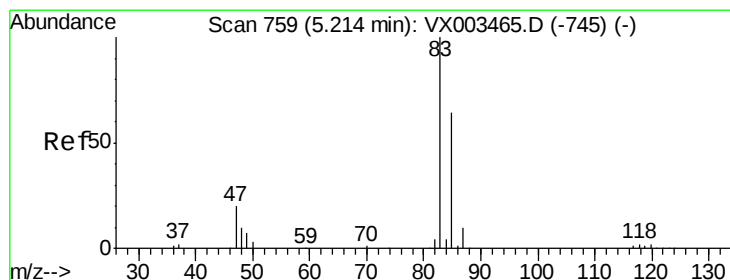
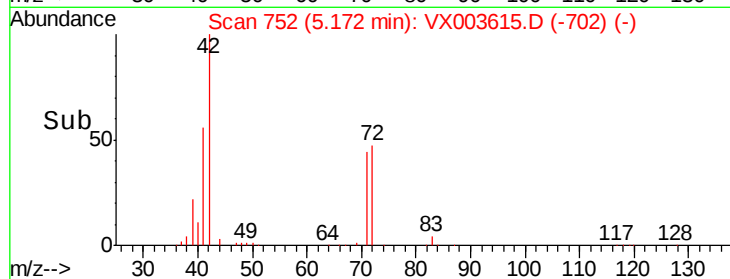
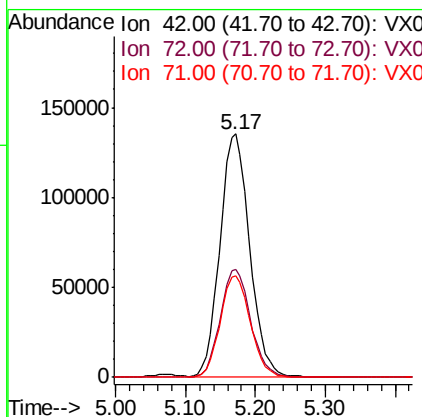
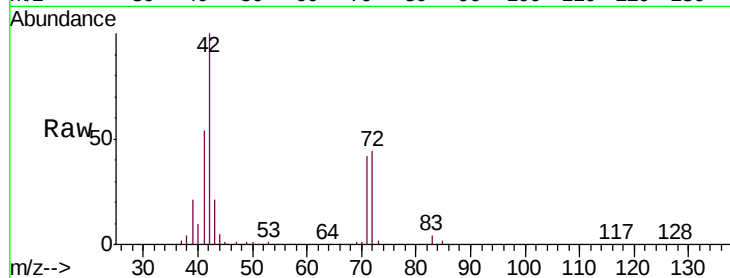
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	399007
Ion Ratio		Lower	Upper
42	100		
72	45.4	32.0	48.0
71	42.3	30.1	45.1

Manual Integrations
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7/24/2018 12:37:46 PM



#30

Chloroform

Concen: 56.497 ug/l

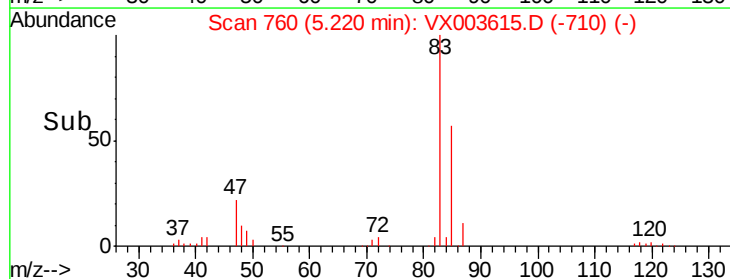
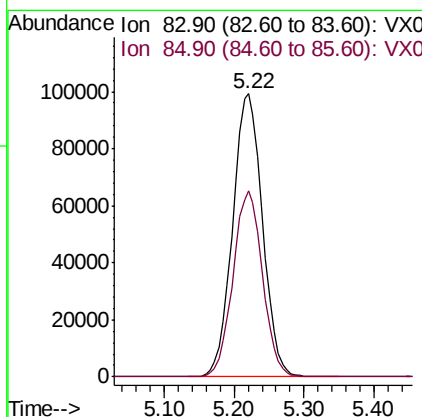
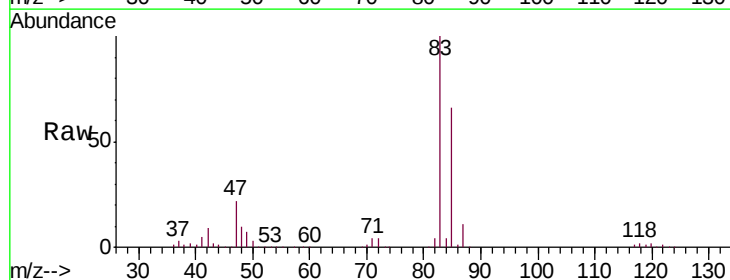
RT: 5.22 min Scan# 760

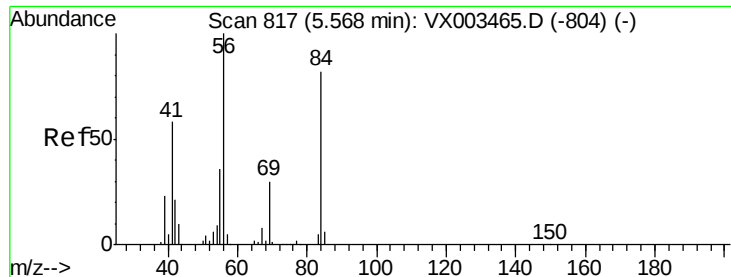
Delta R.T. 0.01 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Tgt Ion:	83	Resp:	293361
Ion Ratio		Lower	Upper
83	100		
85	65.6	50.4	75.6





#31

Cyclohexane

Concen: 52.638 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Instrument :

MSVOA_X

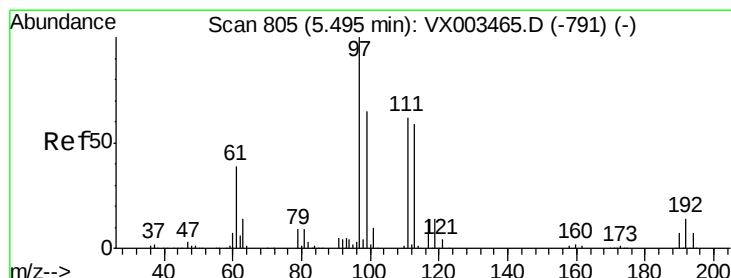
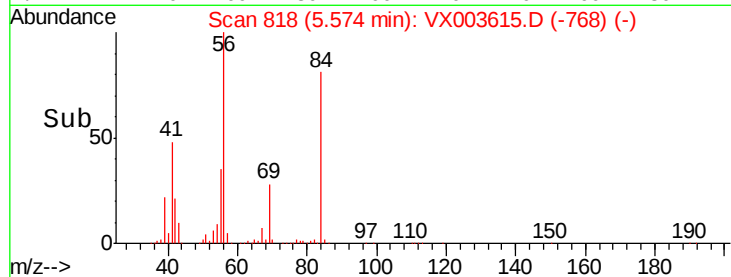
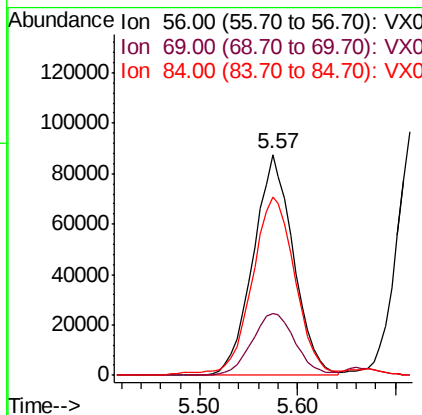
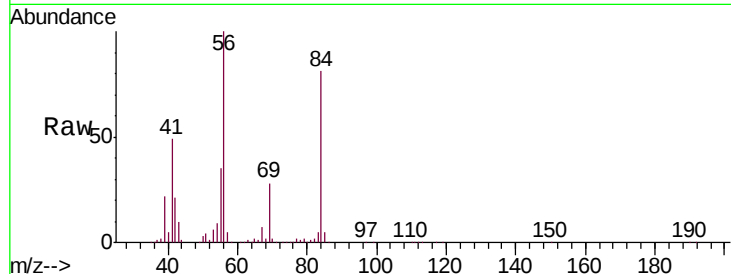
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	250092
Ion	Ratio	Lower	Upper
56	100		
69	28.2	23.7	35.5
84	79.6	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 56.469 ug/l

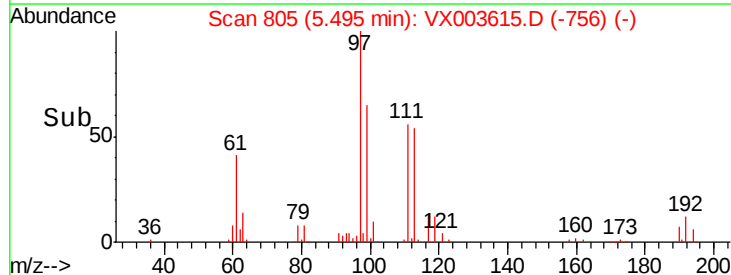
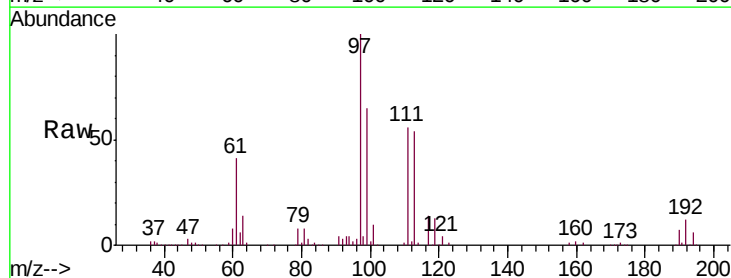
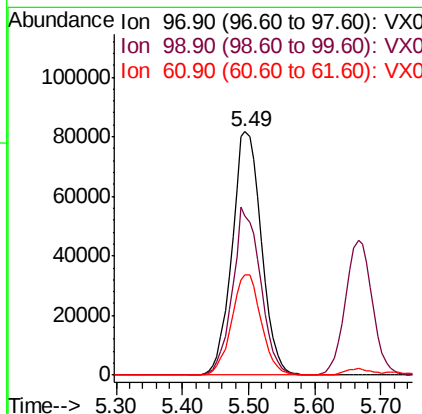
RT: 5.49 min Scan# 805

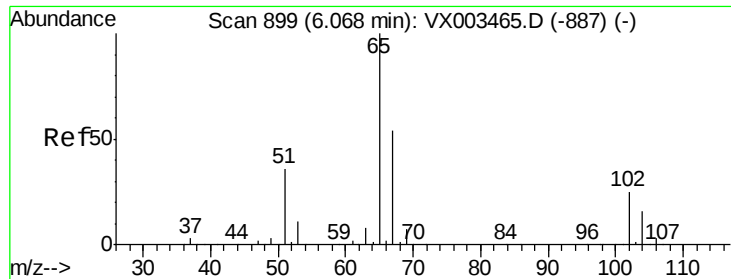
Delta R.T. 0.00 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Tgt Ion:	97	Resp:	251089
Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.6	77.4
61	41.6	36.4	54.6





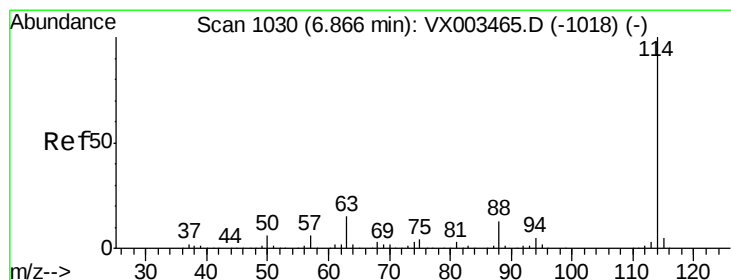
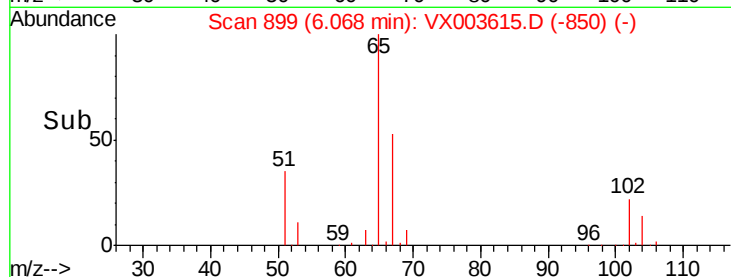
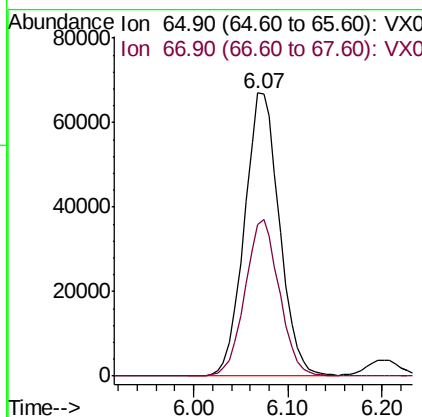
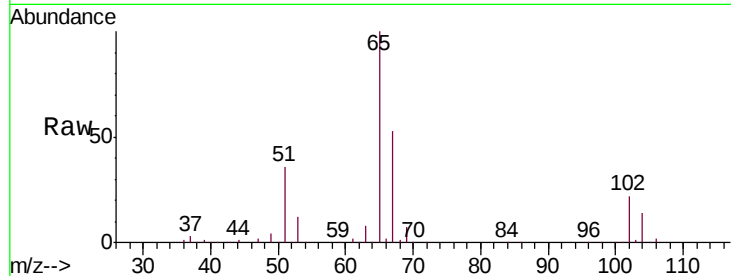
#33
 1,2-Dichloroethane-d4
 Concen: 55.450 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003615.D
 Acq: 23 Jul 2018 20:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	102.6

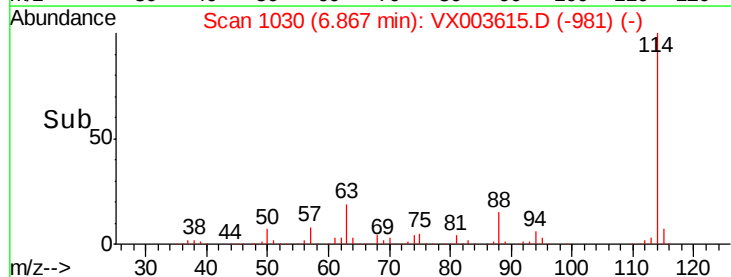
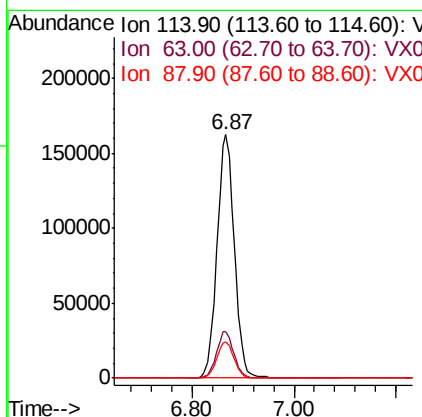
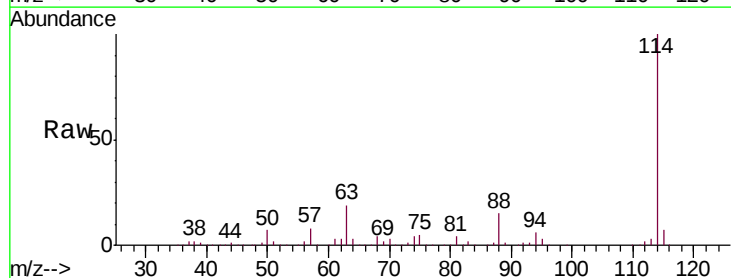
Manual Integrations
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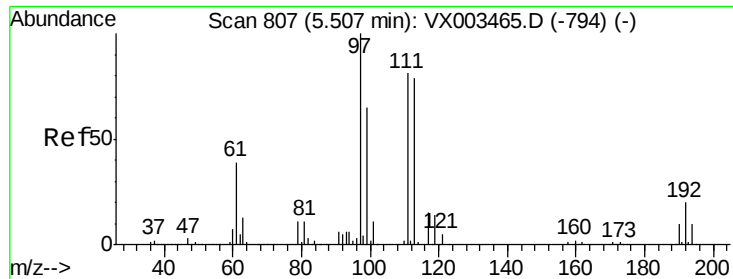
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003615.D
 Acq: 23 Jul 2018 20:03

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	41.4
88	15.0	0.0	30.0





#35

Dibromofluoromethane

Concen: 53.173 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Instrument :

MSVOA_X

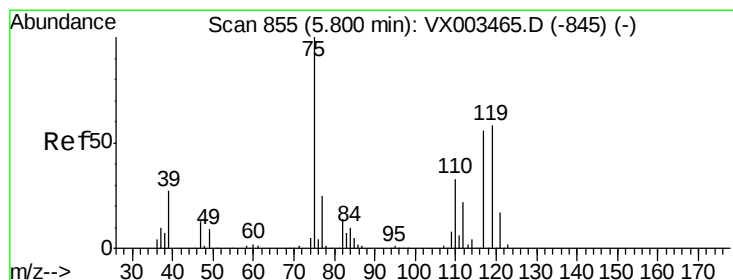
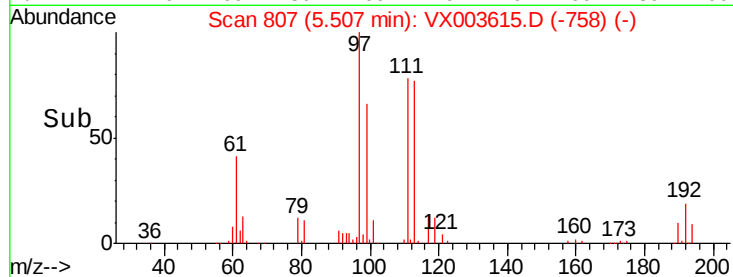
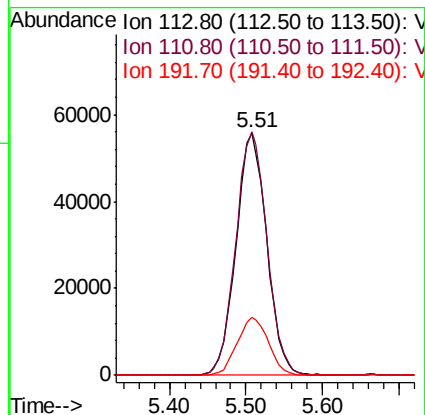
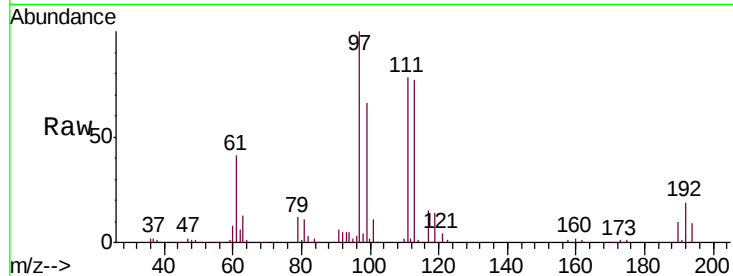
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	155092
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.4	122.0
192	24.4	19.1	28.7

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#36

1,1-Dichloropropene

Concen: 51.900 ug/l

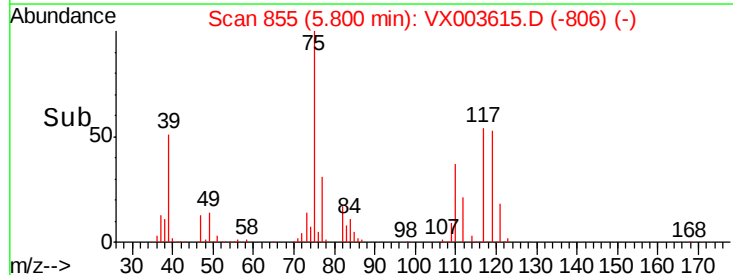
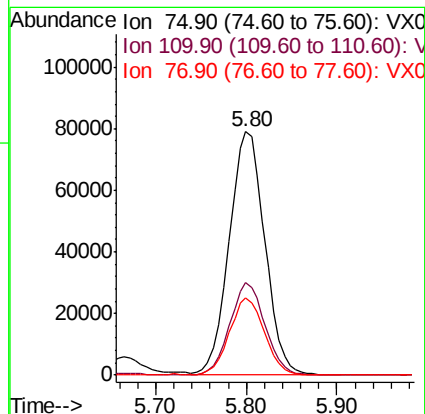
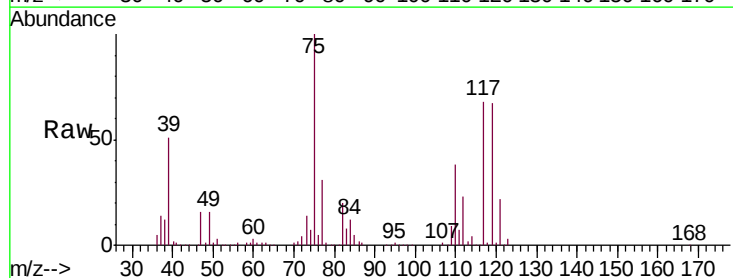
RT: 5.80 min Scan# 855

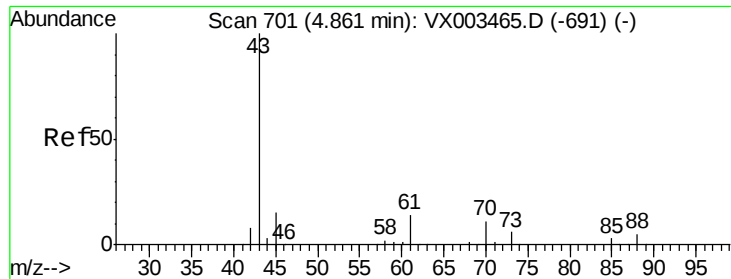
Delta R.T. 0.00 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Tgt Ion:	75	Resp:	214578
Ion Ratio	Lower	Upper	
75	100		
110	37.6	18.1	54.4
77	31.1	24.3	36.5





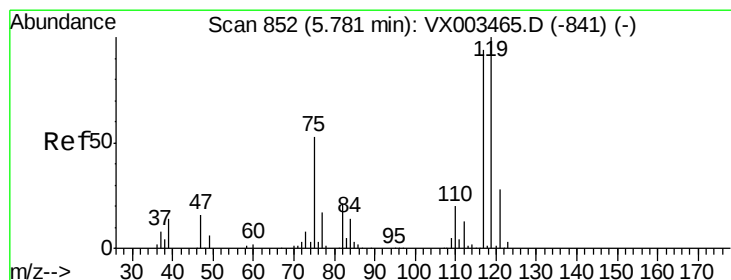
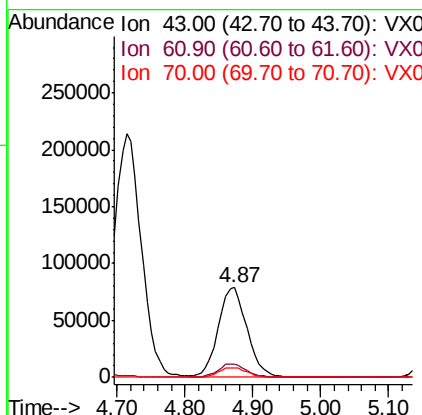
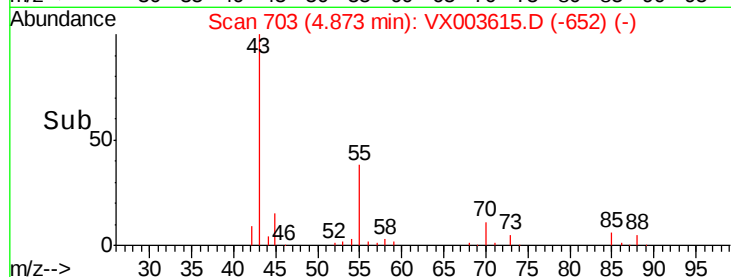
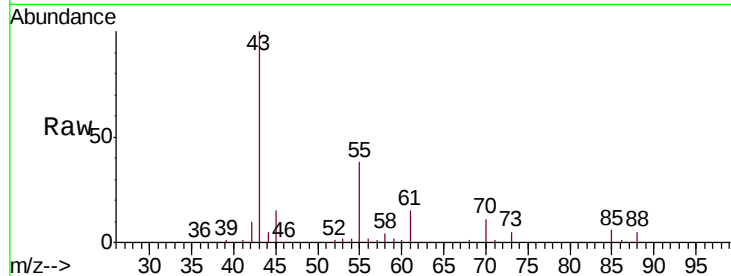
#37
Ethyl Acetate
Concen: 59.254 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	10.4	15.6
70	11.0	7.6	11.4

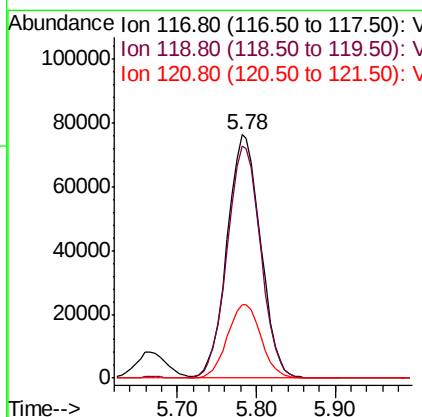
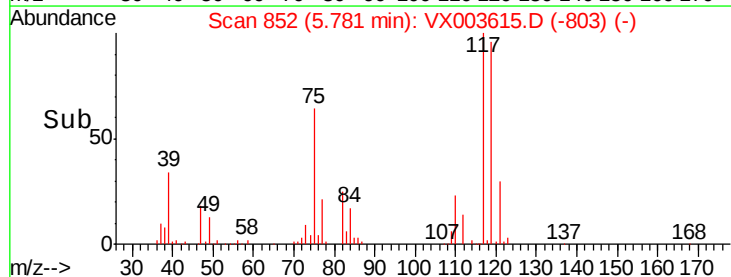
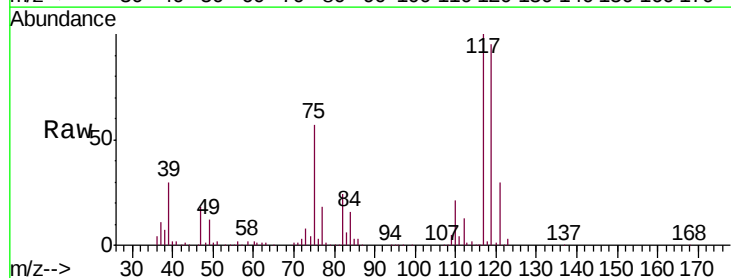
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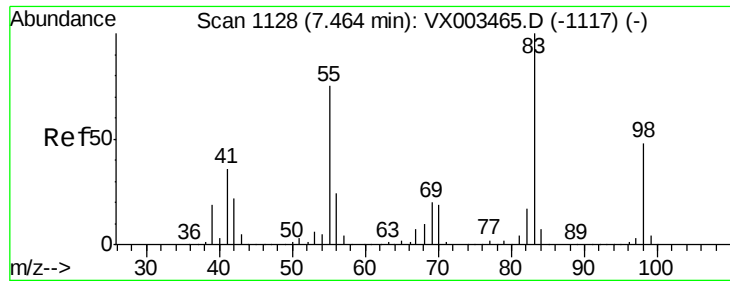
MMDadoda
7/24/2018 12:37:46 PM



#38
Carbon Tetrachloride
Concen: 55.615 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.4	116.0
121	29.9	24.4	36.6





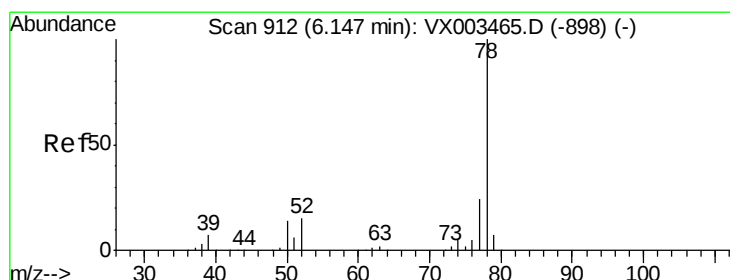
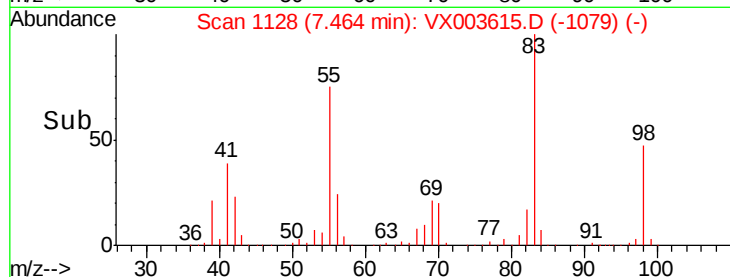
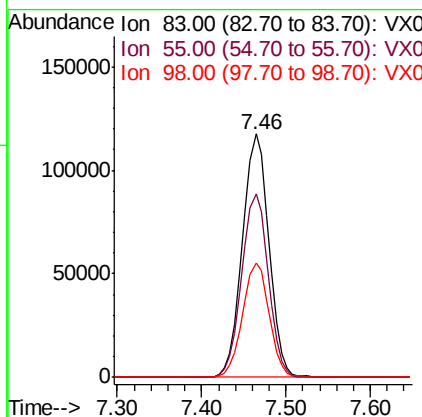
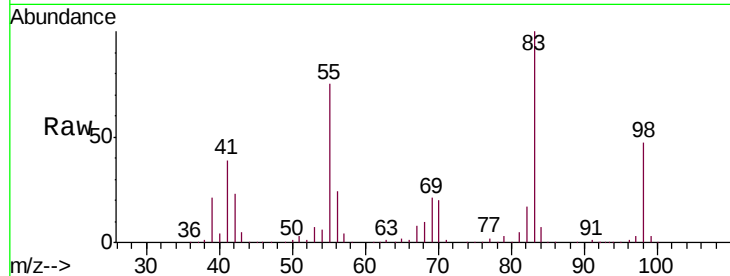
#39
Methvlcvclohexane
Concen: 50.797 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	65.4	98.0
98	46.8	37.4	56.0

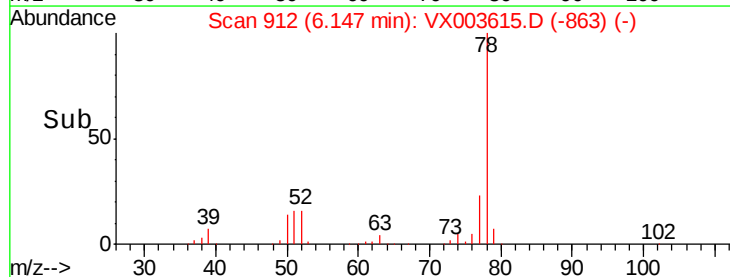
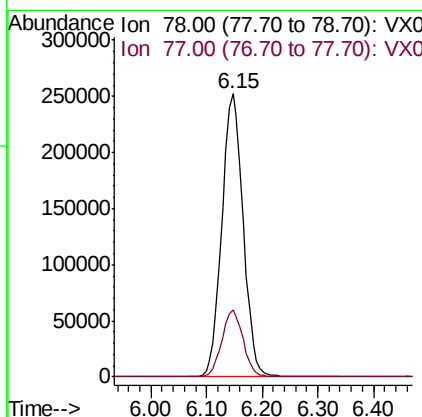
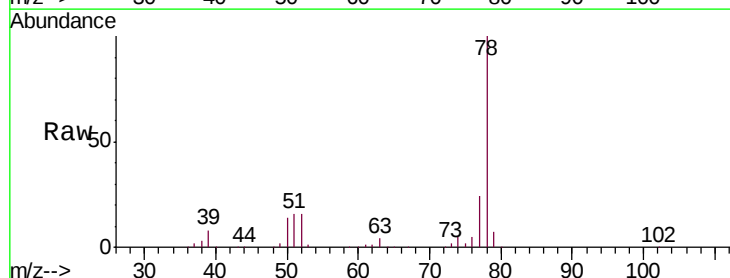
Manual Integrations
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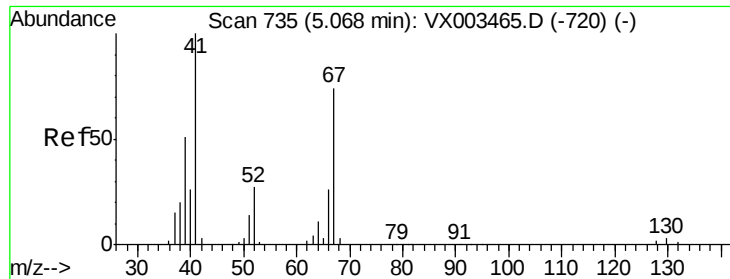
MMDadoda
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#40
Benzene
Concen: 53.599 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





#41

Methacrylonitrile

Concen: 57.289 ug/l

RT: 5.07 min Scan# 735

Delta R.T. 0.00 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 131729

Ion Ratio Lower Upper

41 100

39 52.6 45.8 68.6

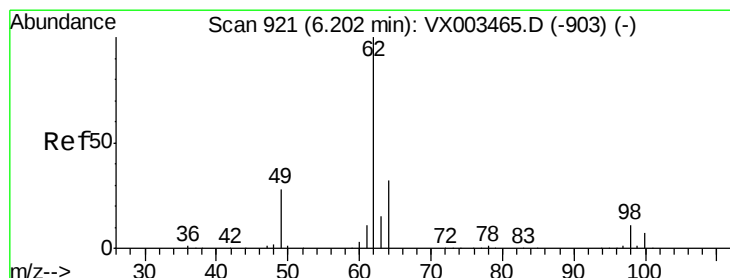
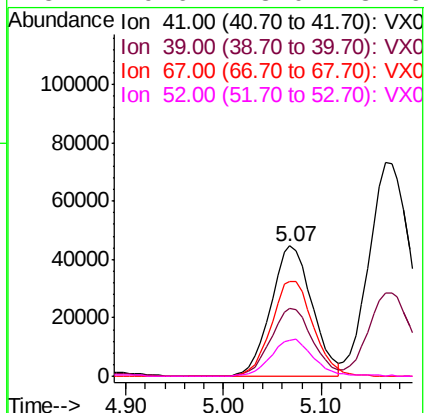
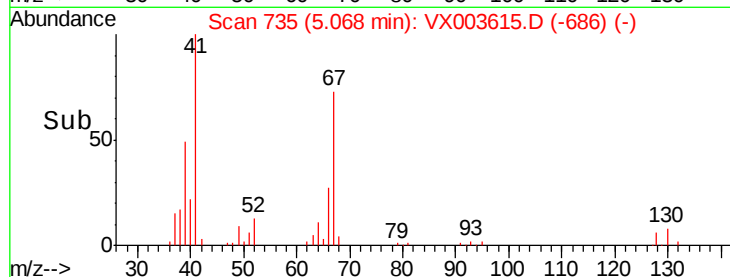
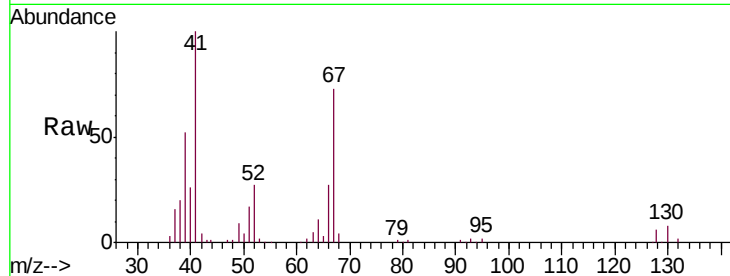
67 74.4 51.3 76.9

52 29.6 23.0 34.6

Manual Integrations
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7/24/2018 12:37:46 PM



#42

1,2-Dichloroethane

Concen: 56.525 ug/l

RT: 6.20 min Scan# 921

Delta R.T. 0.00 min

Lab File: VX003615.D

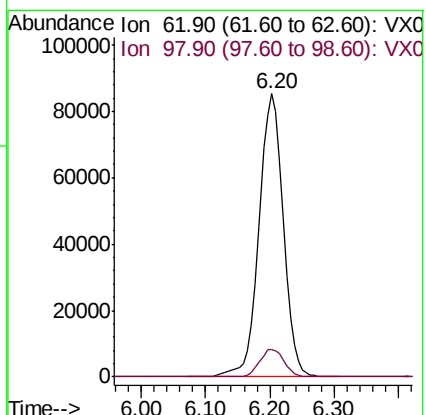
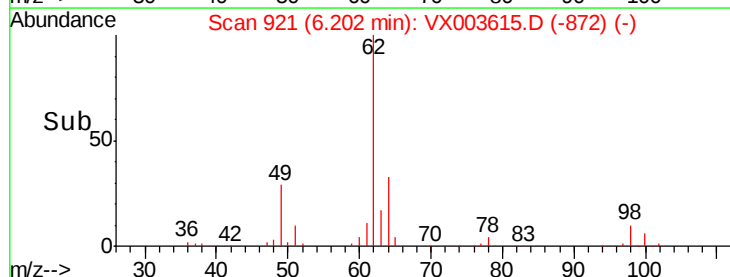
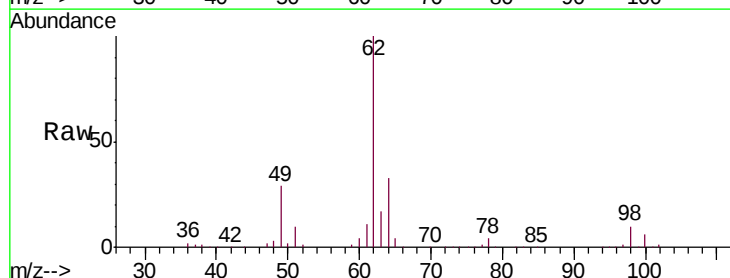
Acq: 23 Jul 2018 20:03

Tgt Ion: 62 Resp: 222314

Ion Ratio Lower Upper

62 100

98 9.9 0.0 16.6





#43

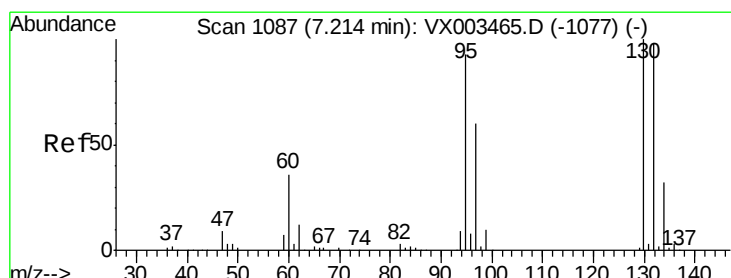
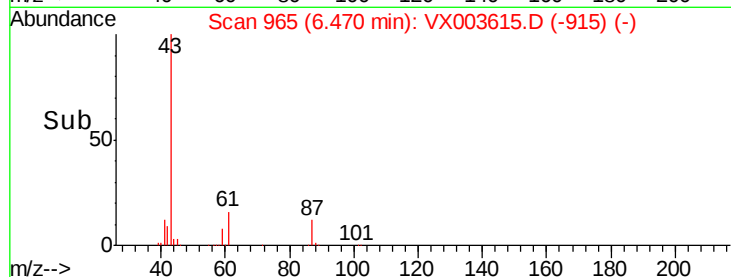
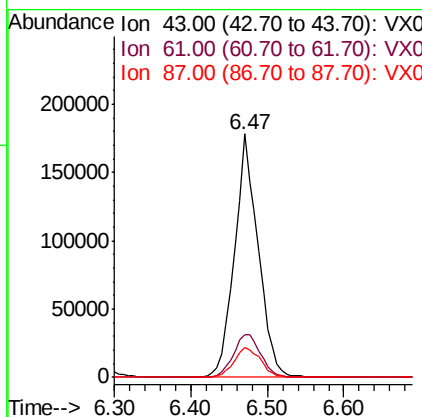
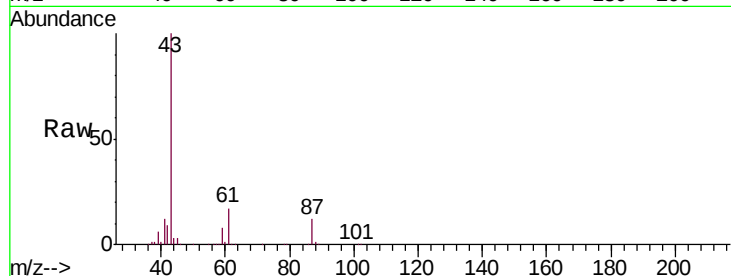
Isopropyl Acetate
 Concen: 60.849 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VX003615.D
 Acq: 23 Jul 2018 20:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	14.4	21.6
87	13.8	9.5	14.3

Manual Integrations
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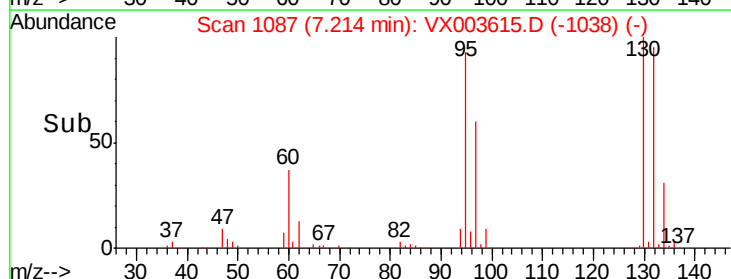
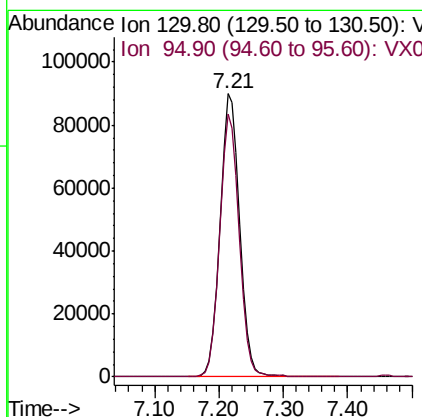
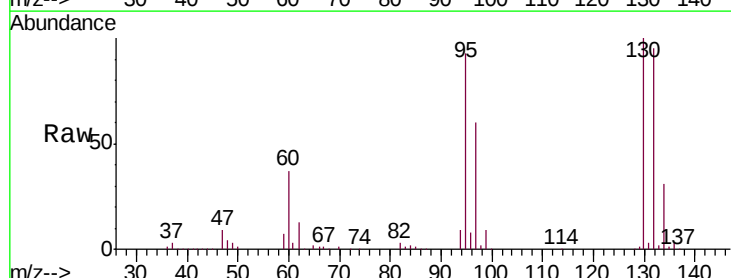
MMDadoda
 7/24/2018 12:37:46 PM



#44

Trichloroethene
 Concen: 51.918 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003615.D
 Acq: 23 Jul 2018 20:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	185.4





#45

1,2-Dichloropropane

Concen: 55.475 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 175836

Ion Ratio Lower Upper

63 100

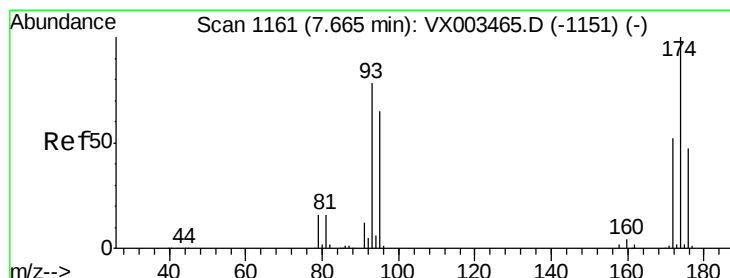
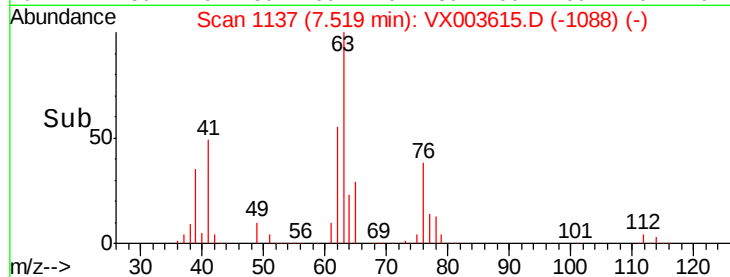
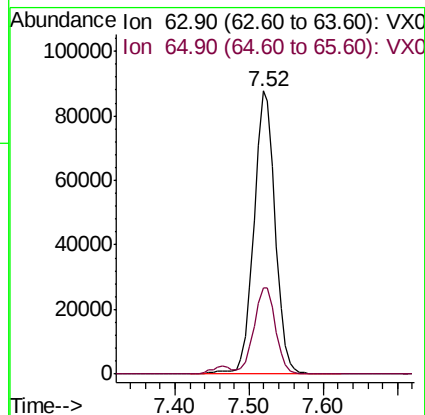
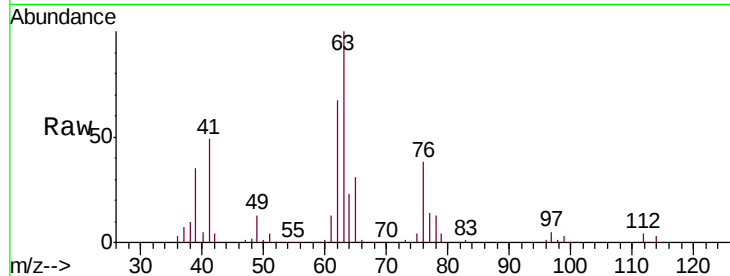
65 30.6 24.7 37.1

Manual Integrations

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7/24/2018 12:37:46 PM



#46

Dibromomethane

Concen: 56.121 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

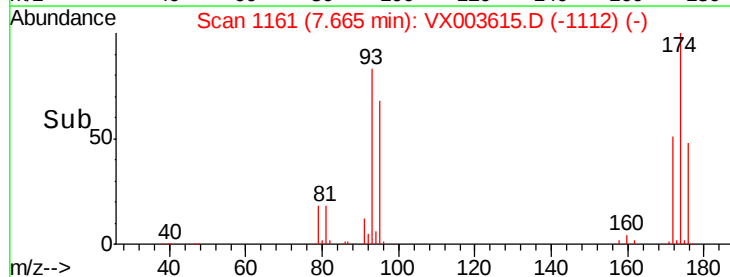
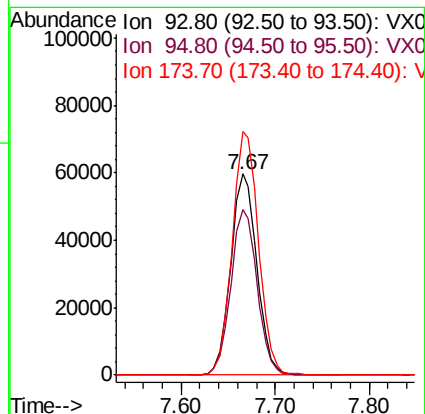
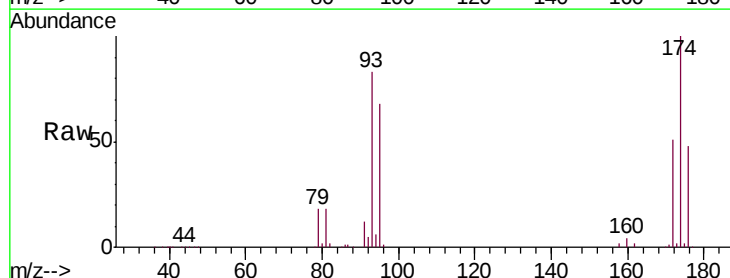
Tgt Ion: 93 Resp: 114522

Ion Ratio Lower Upper

93 100

95 83.1 65.9 98.9

174 121.8 92.4 138.6





#47

Bromodichloromethane

Concen: 58.103 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Instrument :

MSVOA_X

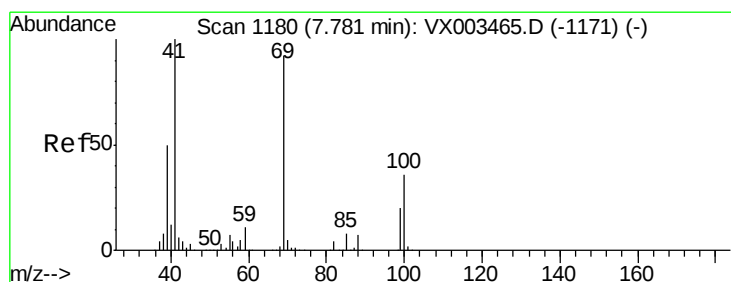
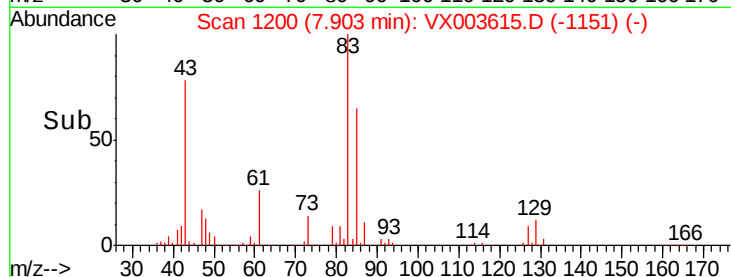
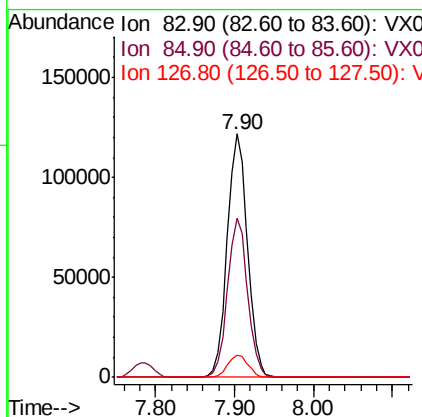
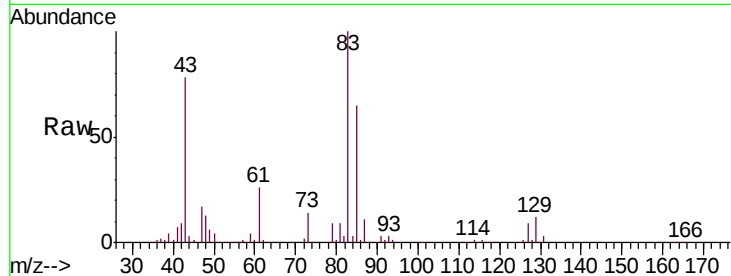
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	217060
Ion Ratio	Lower	Upper	
83	100		
85	65.4	50.3	75.5
127	9.2	7.0	10.4

Manual Integrations
APPROVED

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#48

Methyl methacrylate

Concen: 61.089 ug/l

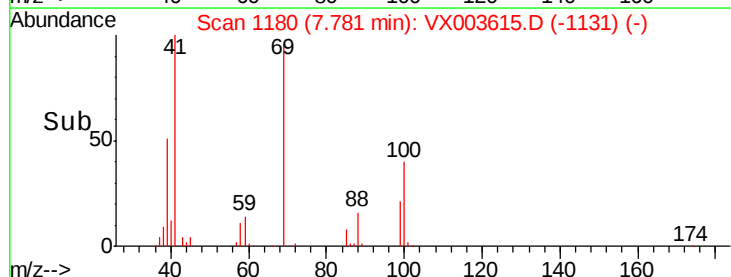
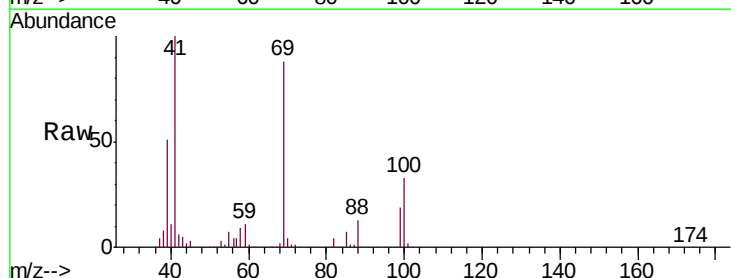
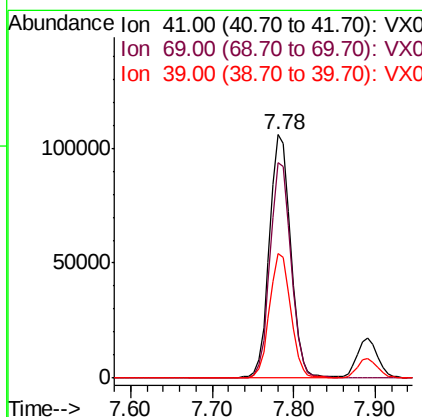
RT: 7.78 min Scan# 1180

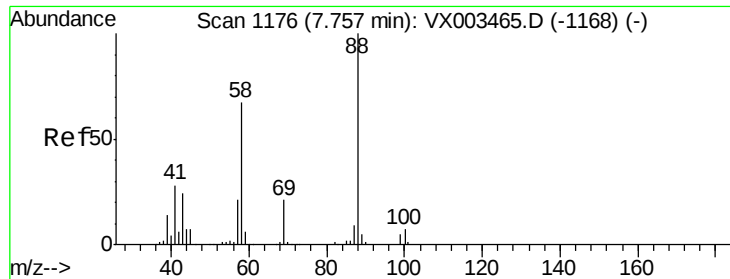
Delta R.T. 0.00 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Tgt Ion:	41	Resp:	191727
Ion Ratio	Lower	Upper	
41	100		
69	87.1	59.1	88.7
39	50.5	48.9	73.3





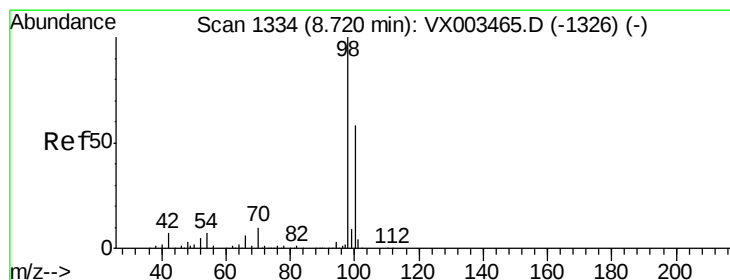
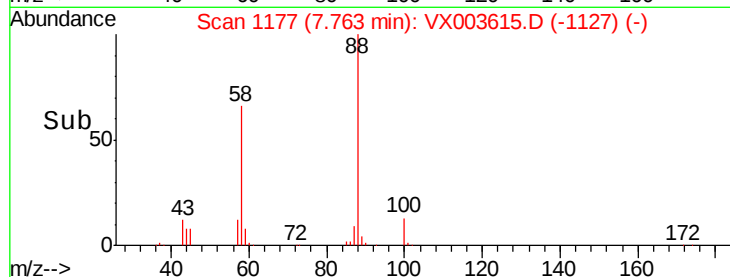
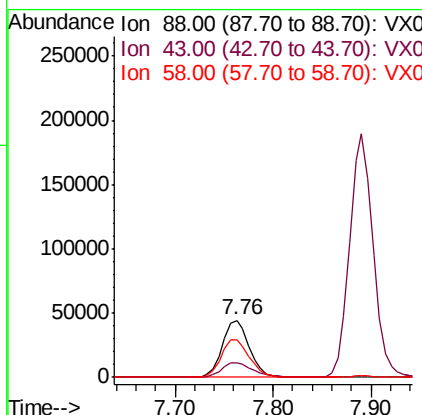
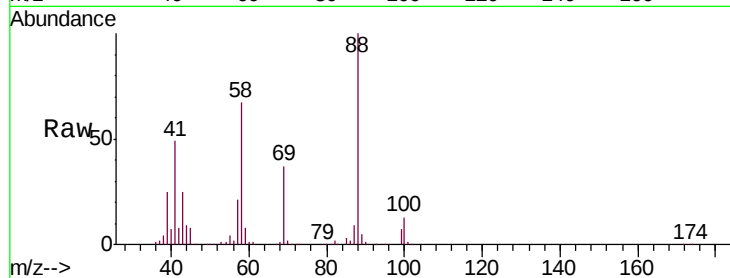
#49
1,4-Dioxane
Concen: 1189.107 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.9	29.8	44.6
58	70.2	57.1	85.7

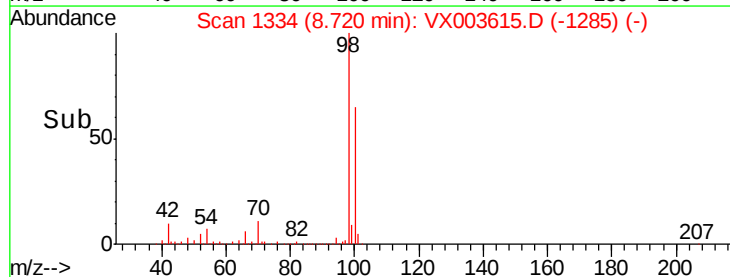
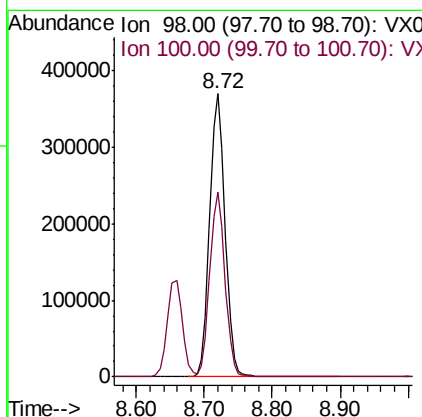
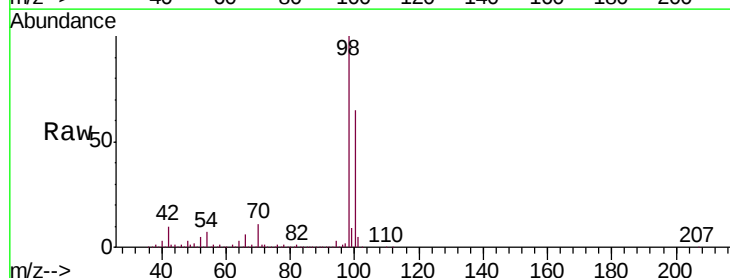
Manual Integrations
APPROVED

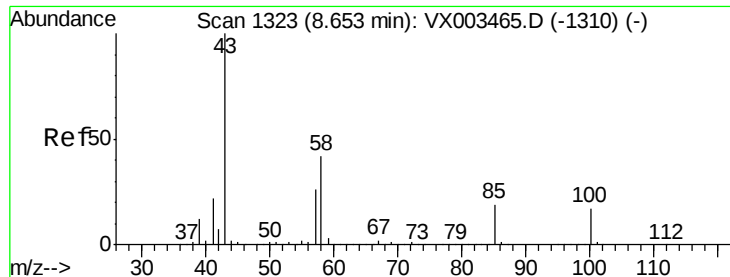
MMDadoda
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#50
Toluene-d8
Concen: 53.072 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 314.210 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1235383

Ion Ratio Lower Upper

43 100

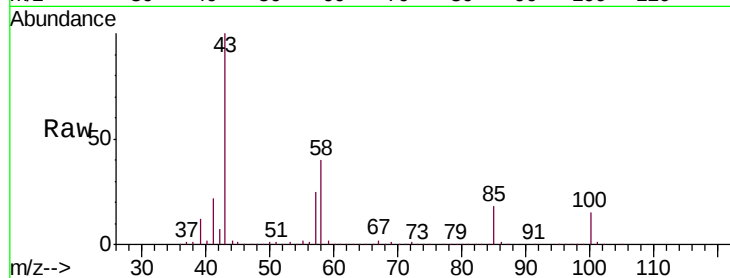
58 40.6 28.6 42.8

Manual Integrations

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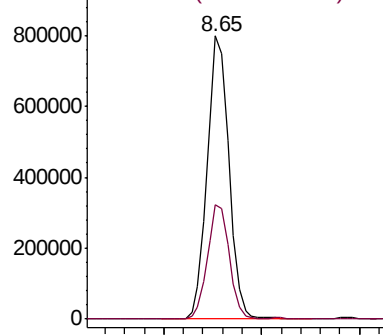
MMDadoda

7/24/2018 12:37:46 PM

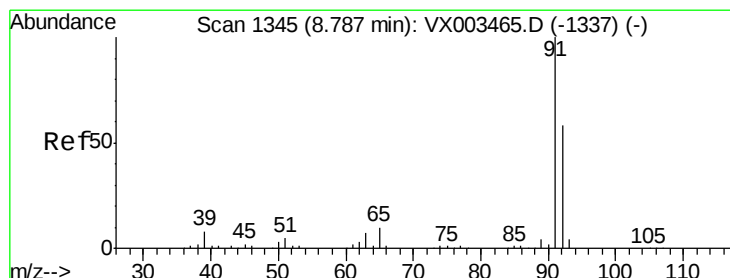
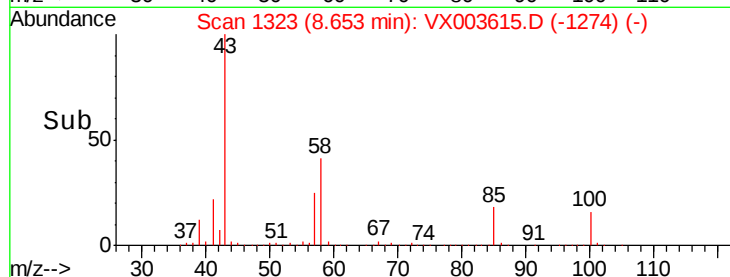


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#52

Toluene

Concen: 54.250 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003615.D

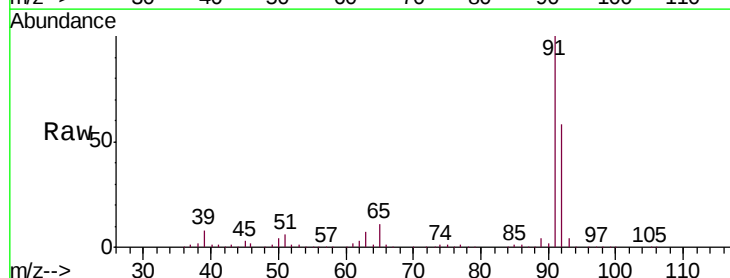
Acq: 23 Jul 2018 20:03

Tgt Ion: 92 Resp: 426265

Ion Ratio Lower Upper

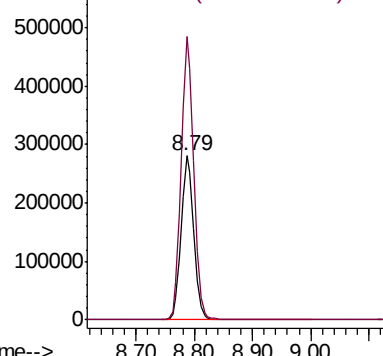
92 100

91 172.0 140.4 210.6

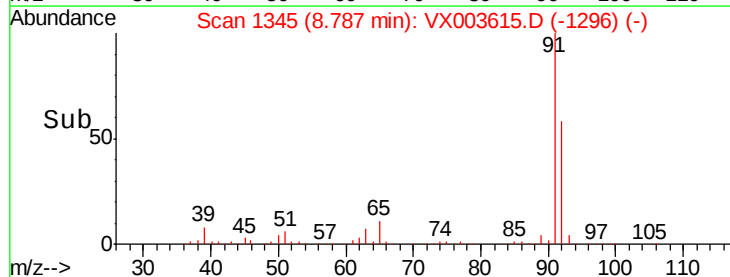


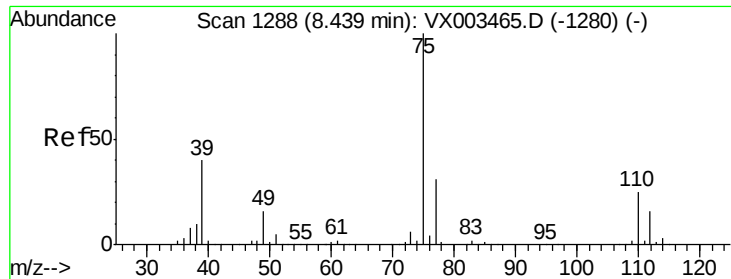
Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->





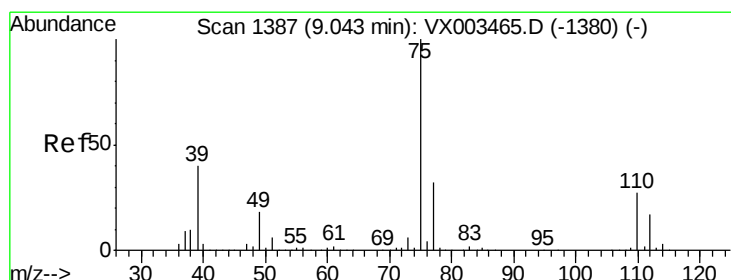
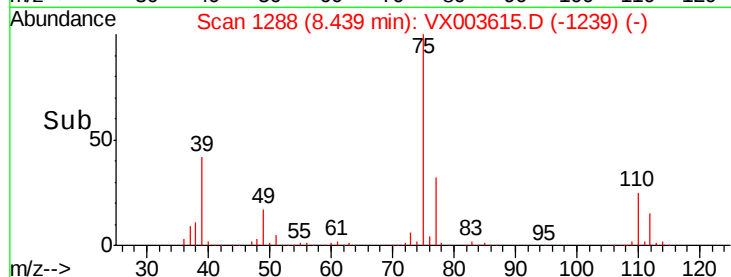
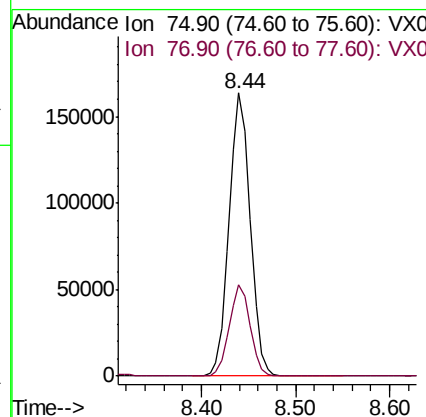
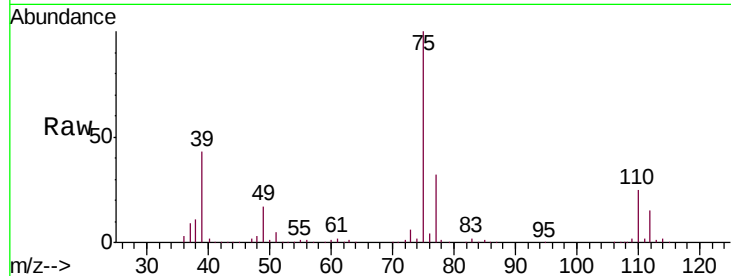
#53
t-1,3-Dichloropropene
Concen: 55.365 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.2

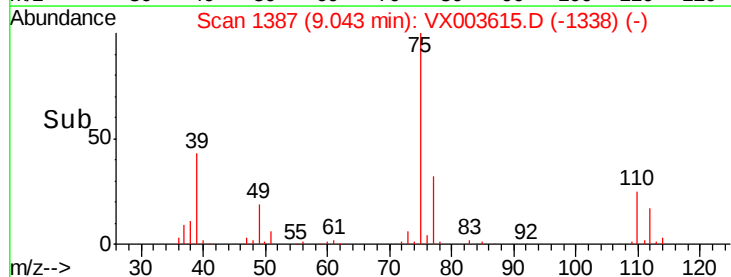
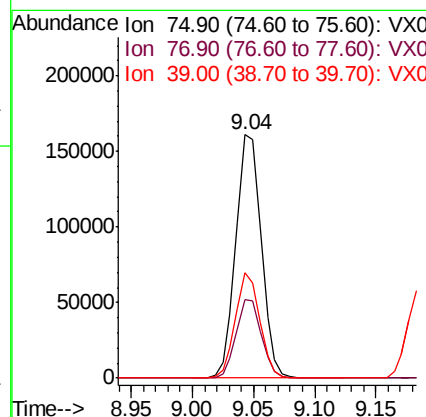
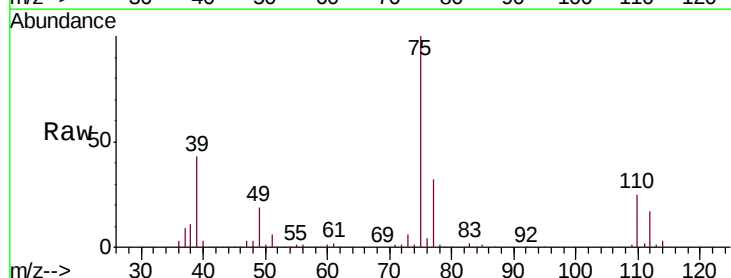
Manual Integrations
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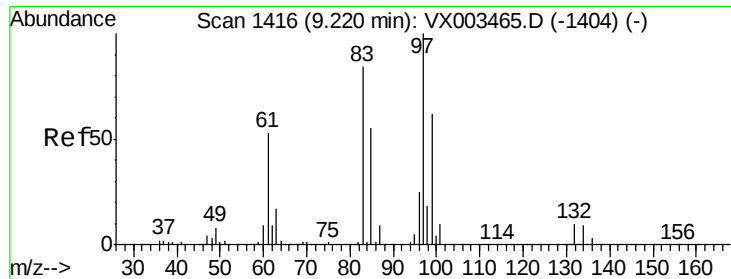
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 56.070 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.8	37.2
39	43.4	42.4	63.6





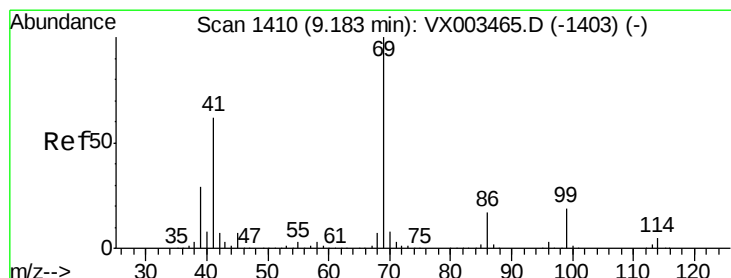
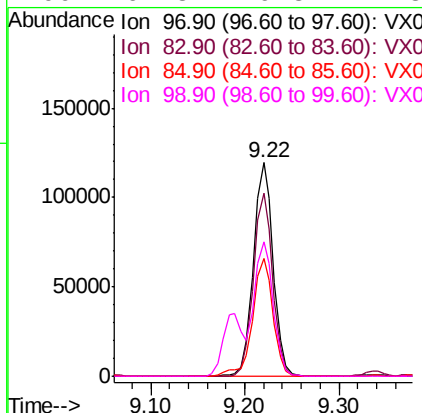
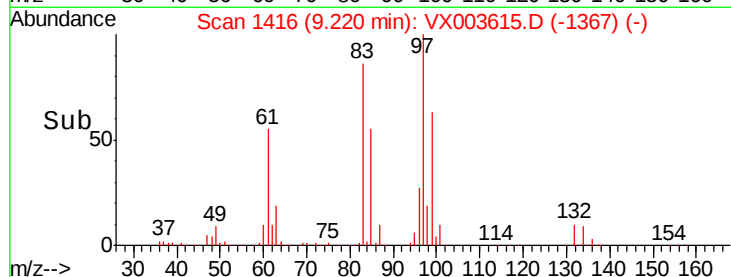
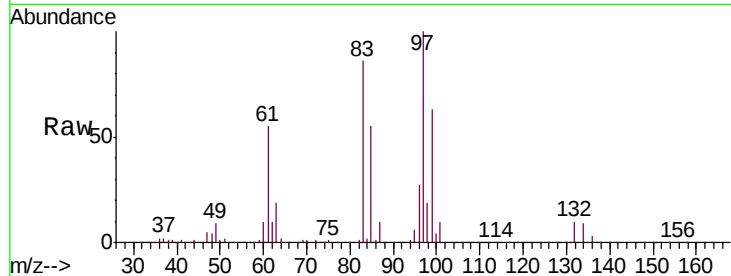
#55
 1,1,2-Trichloroethane
 Concen: 56.479 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003615.D
 Acq: 23 Jul 2018 20:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	176590
Ion Ratio	Lower	Upper	
97	100		
83	85.6	70.2	105.2
85	55.3	44.9	67.3
99	62.8	49.8	74.8

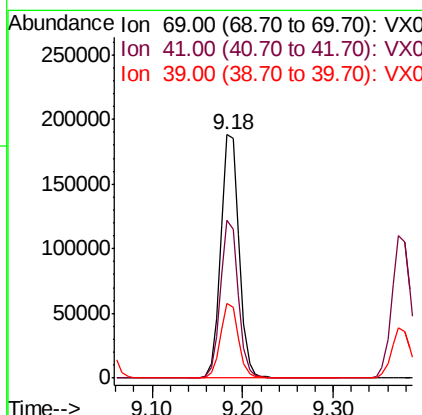
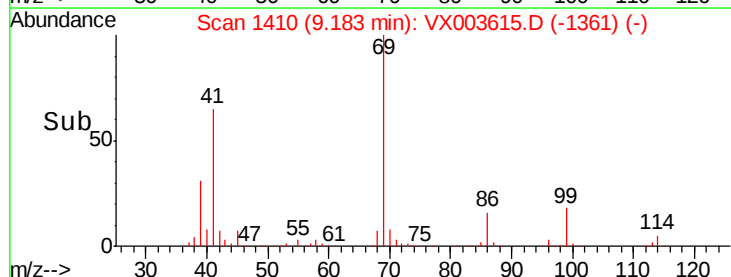
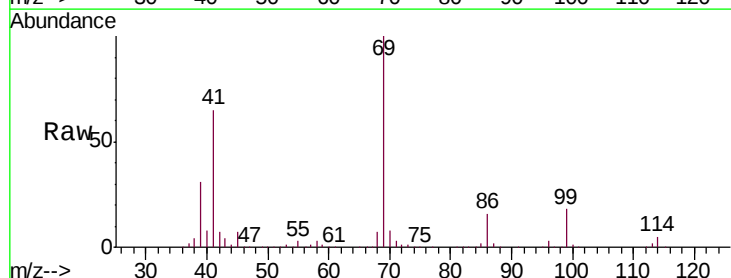
Manual Integrations
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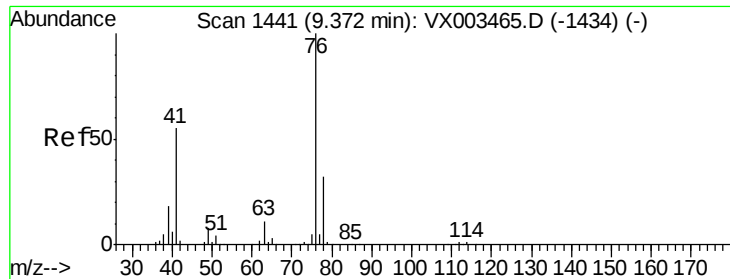
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#56
 Ethyl methacrylate
 Concen: 60.103 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003615.D
 Acq: 23 Jul 2018 20:03

Tgt Ion:	69	Resp:	264691
Ion Ratio	Lower	Upper	
69	100		
41	63.0	60.3	90.5
39	30.3	35.8	53.8#





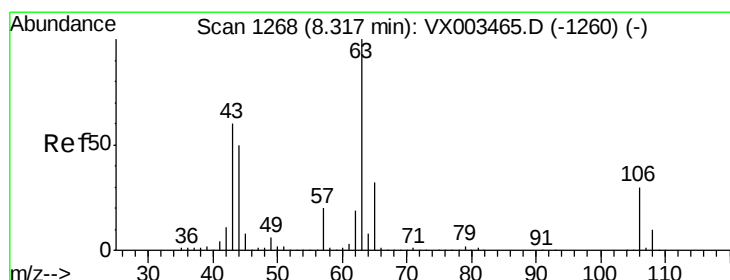
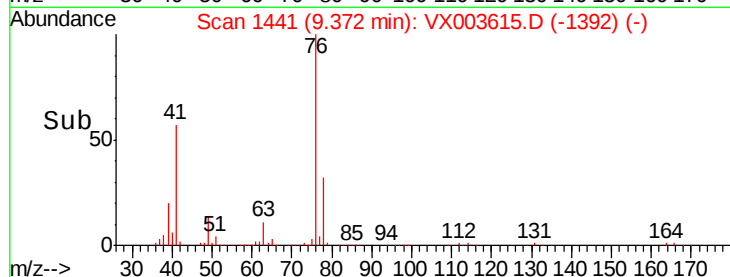
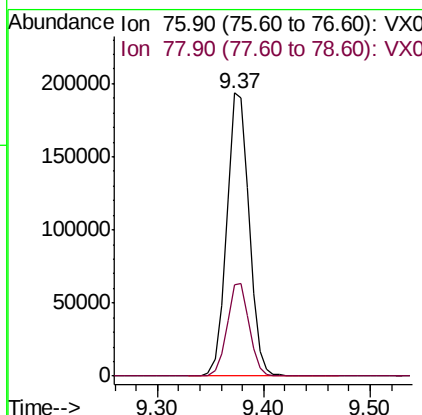
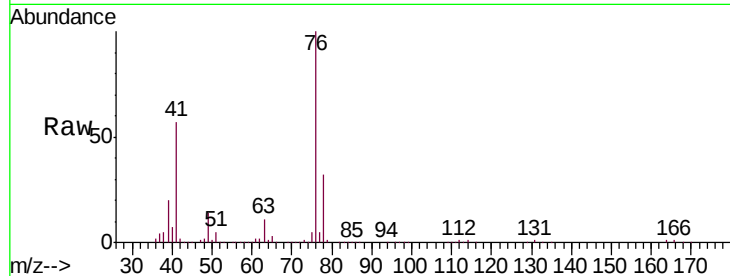
#57
 1,3-Dichloropropane
 Concen: 56.466 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003615.D
 Acq: 23 Jul 2018 20:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

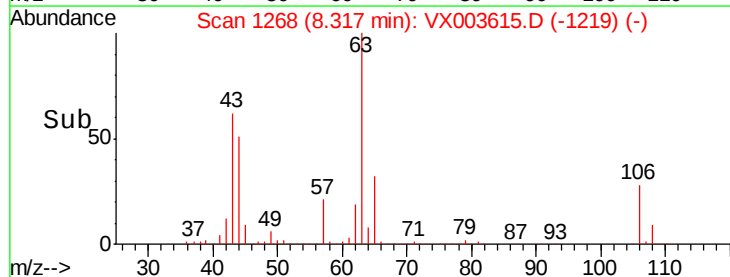
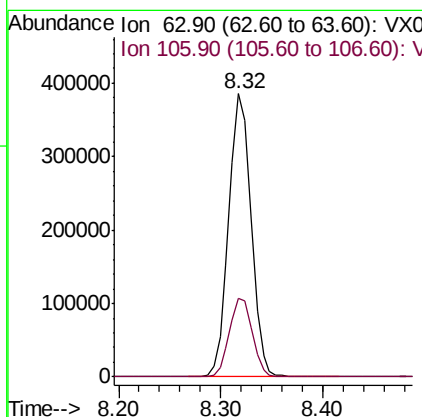
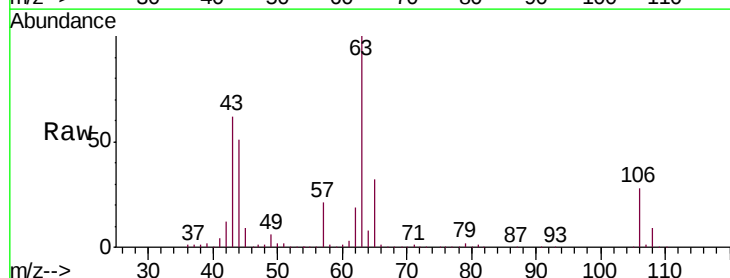
Manual Integrations
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#58
 2-Chloroethyl Vinyl ether
 Concen: 272.734 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003615.D
 Acq: 23 Jul 2018 20:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	21.8	32.8





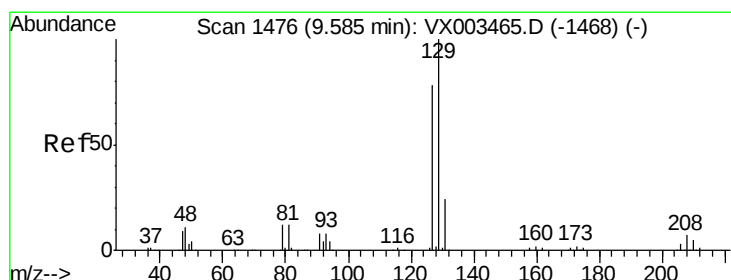
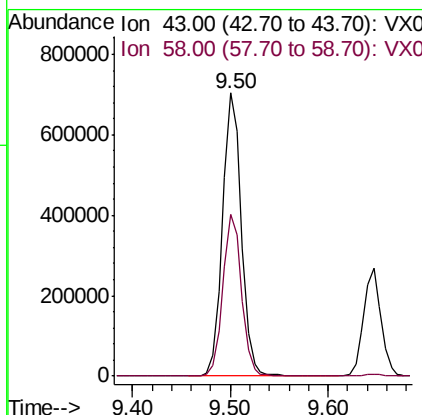
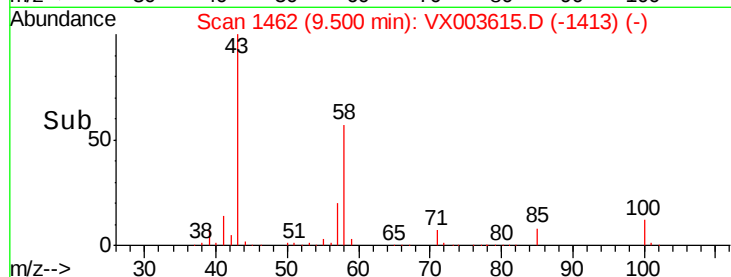
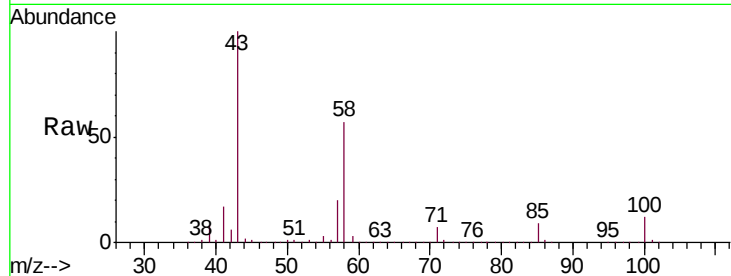
#59
2-Hexanone
Concen: 322.660 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.6	24.6	73.6

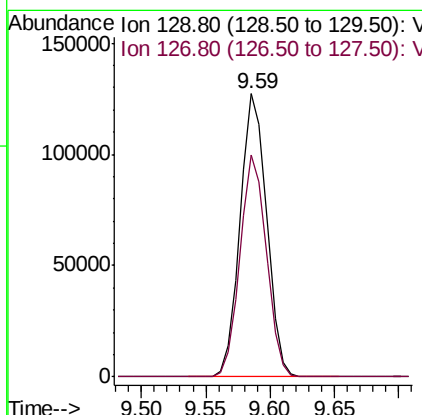
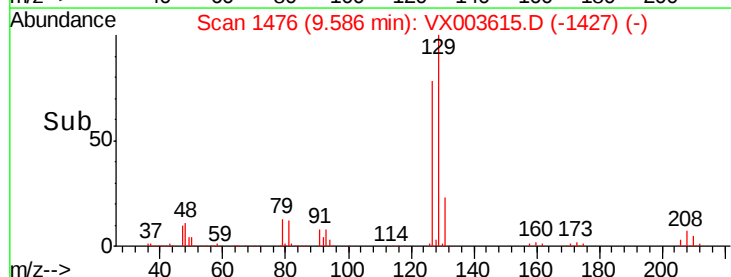
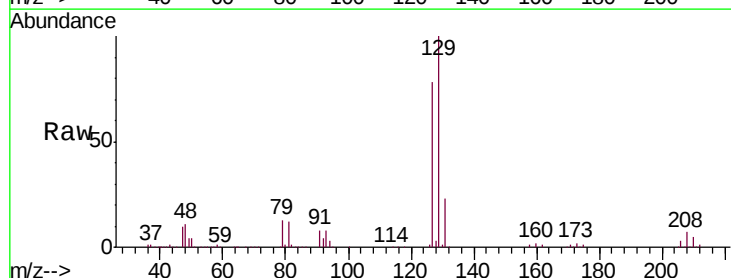
Manual Integrations
APPROVED

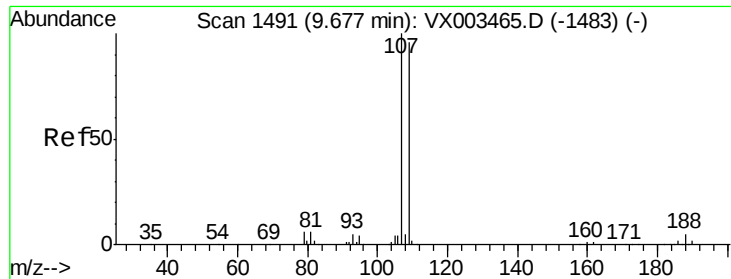
MMDadoda
7/24/2018 12:37:46 PM



#60
Dibromochloromethane
Concen: 58.624 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.5	115.3





#61

1,2-Dibromoethane

Concen: 56.307 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 182505

Ion Ratio Lower Upper

107 100

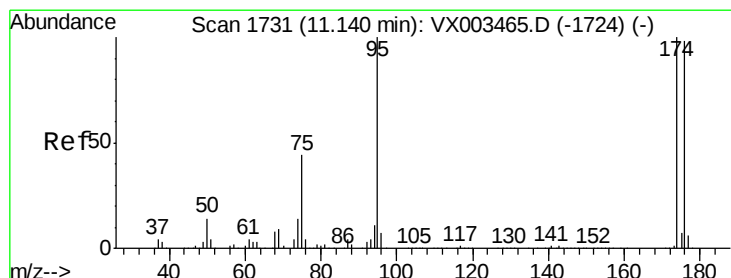
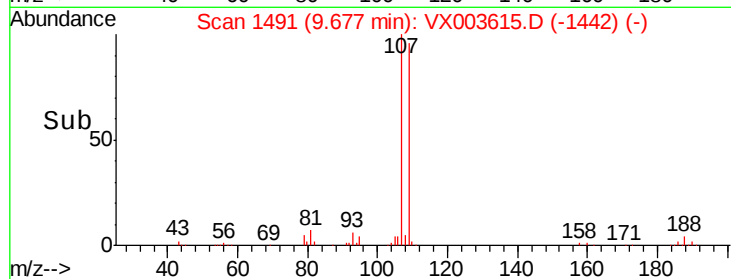
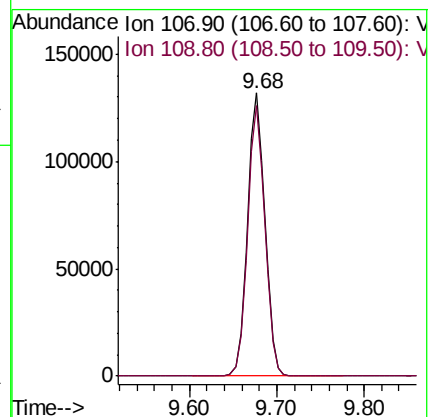
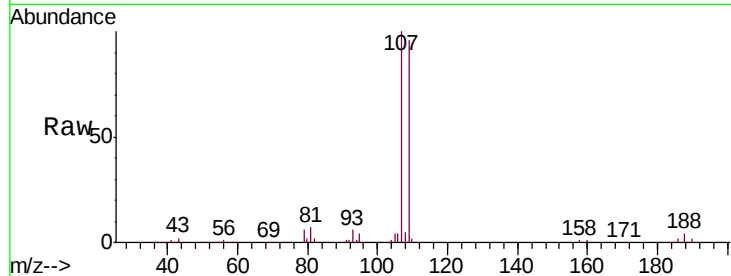
109 95.2 75.3 112.9

Manual Integrations

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7/24/2018 12:37:46 PM



#62

4-Bromofluorobenzene

Concen: 53.689 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

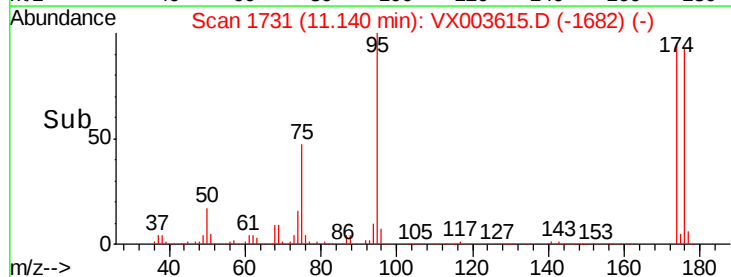
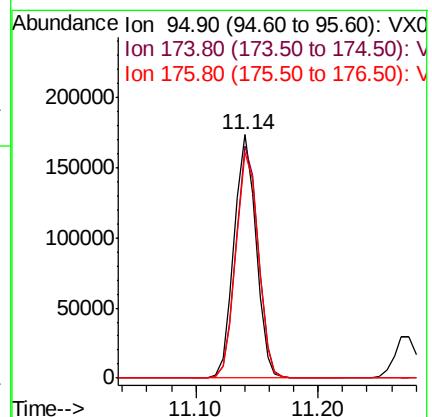
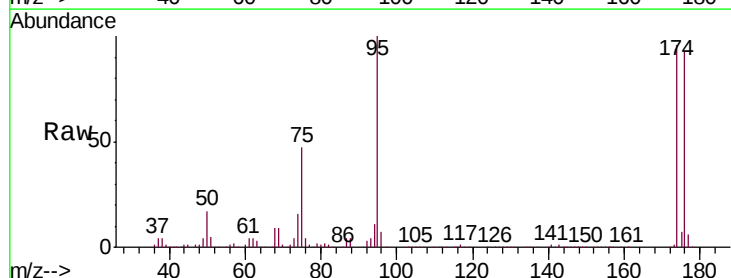
Tgt Ion: 95 Resp: 214799

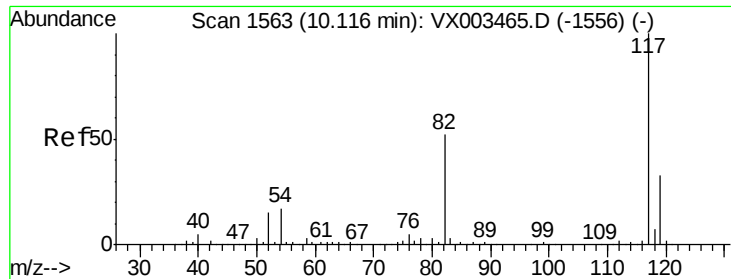
Ion Ratio Lower Upper

95 100

174 96.9 0.0 187.4

176 94.3 0.0 181.0





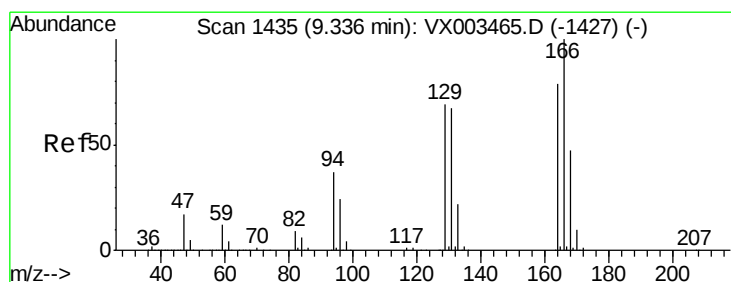
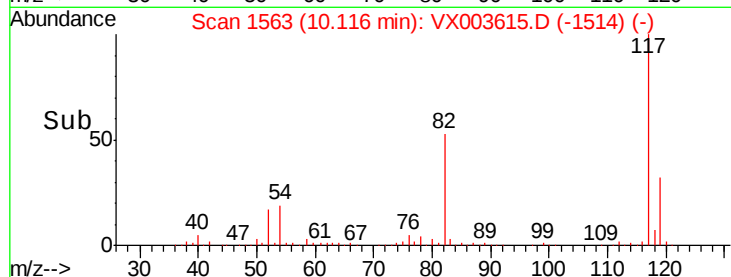
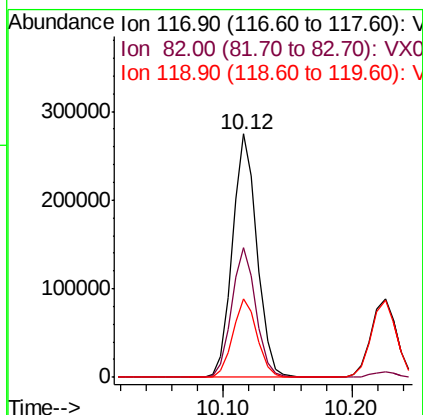
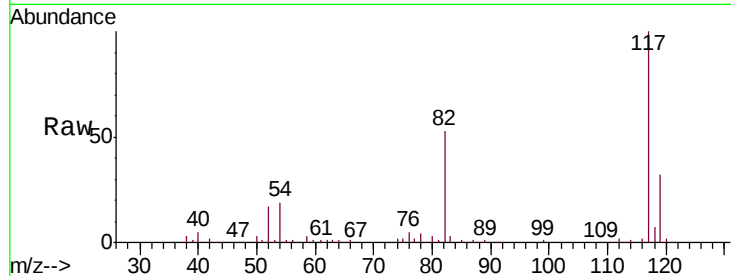
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	45.0	67.4
119	32.3	25.8	38.6

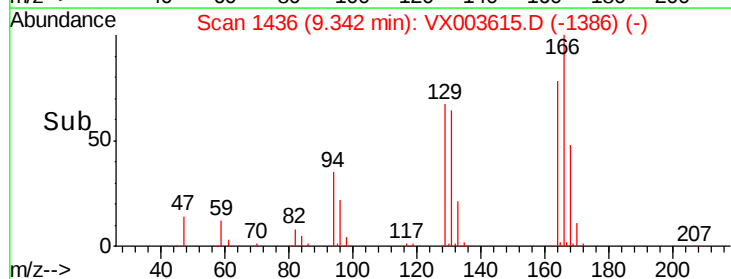
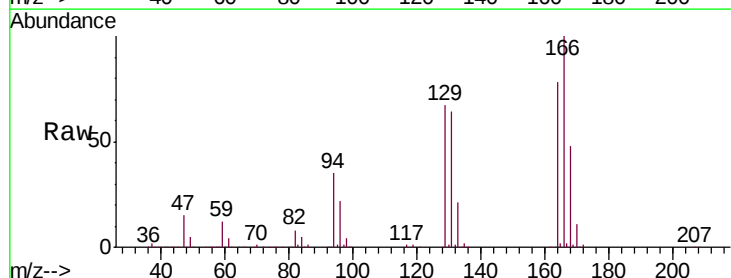
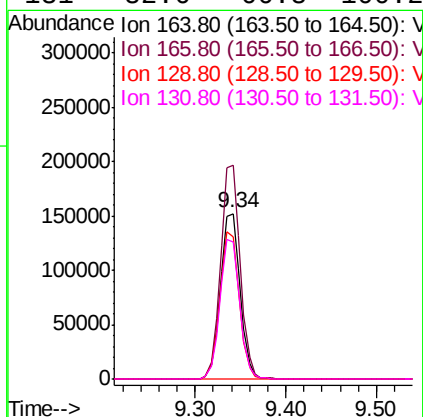
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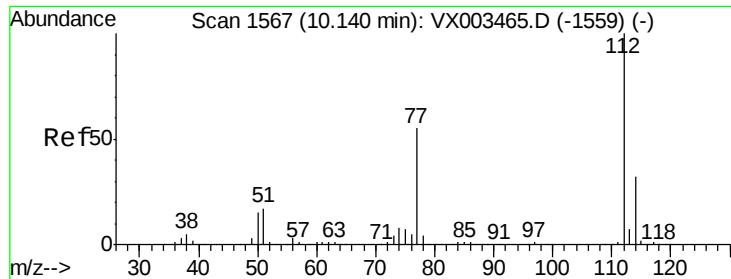
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#64
Tetrachloroethene
Concen: 51.692 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	102.9	154.3
129	86.1	68.6	102.8
131	82.6	66.8	100.2





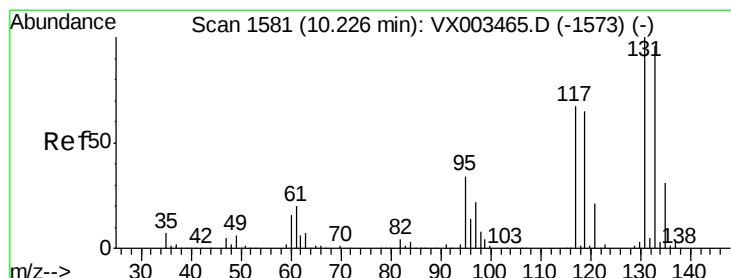
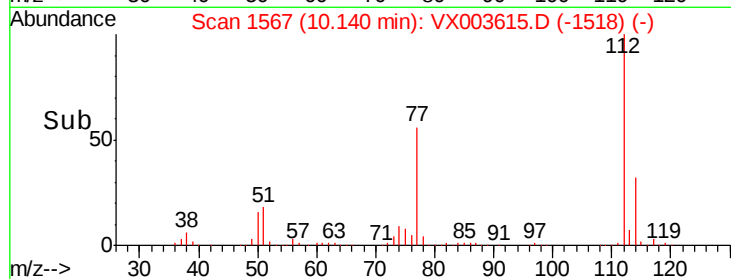
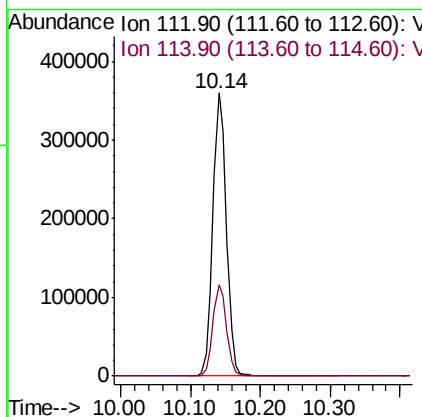
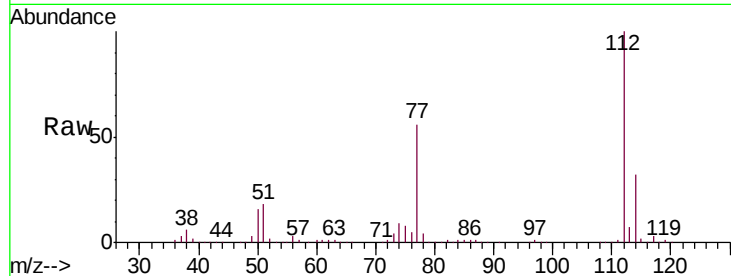
#65
Chlorobenzene
Concen: 51.536 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 485254
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9

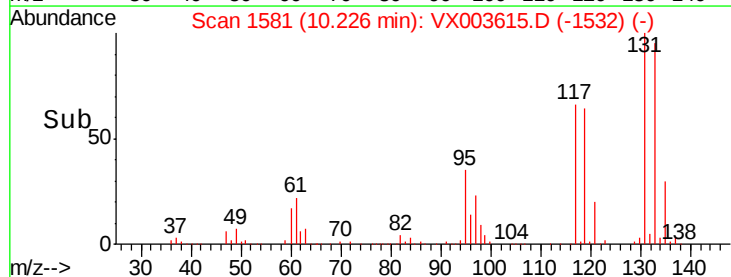
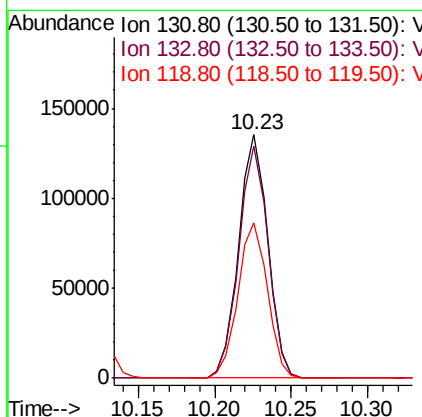
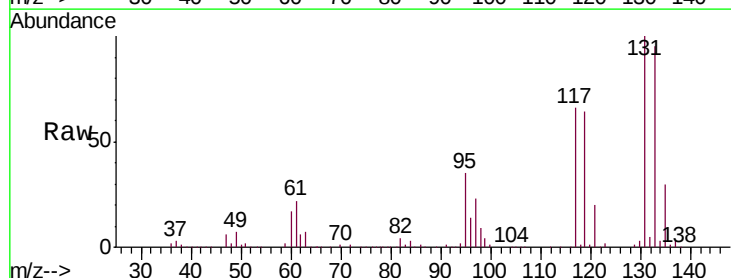
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.432 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Tgt Ion:131 Resp: 179578
Ion Ratio Lower Upper
131 100
133 95.6 47.9 143.6
119 64.6 31.8 95.3





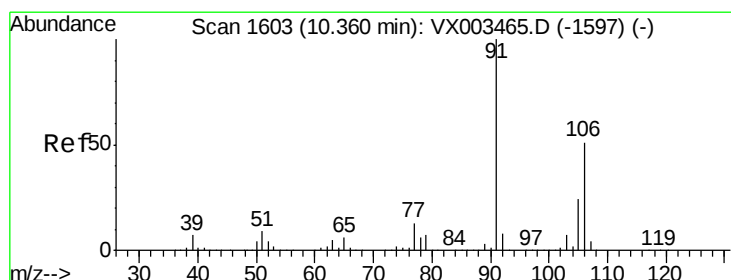
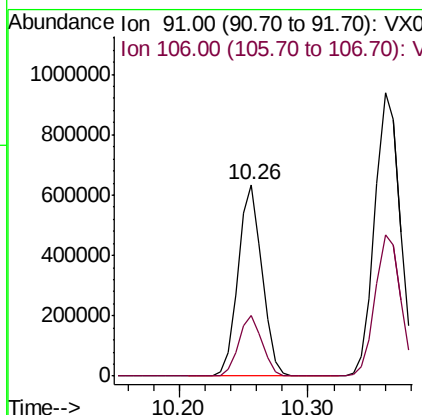
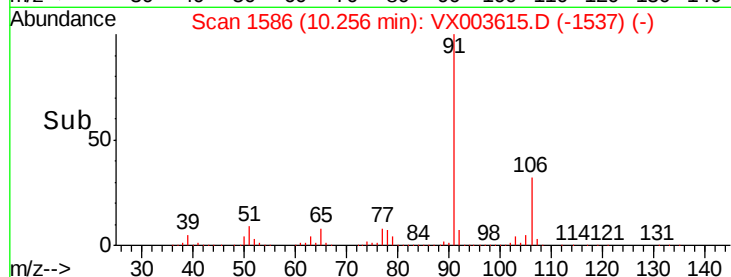
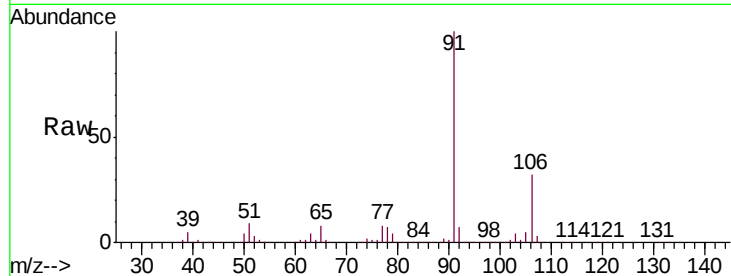
#67
Ethyl Benzene
Concen: 53.934 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 816515
Ion Ratio Lower Upper
91 100
106 31.5 25.5 38.3

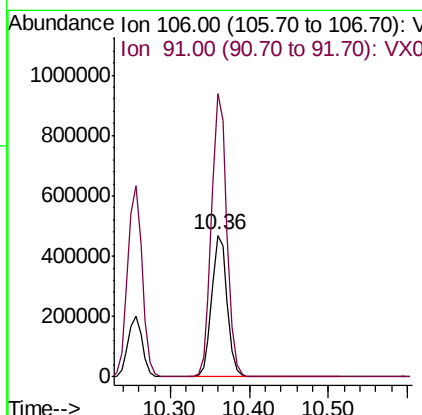
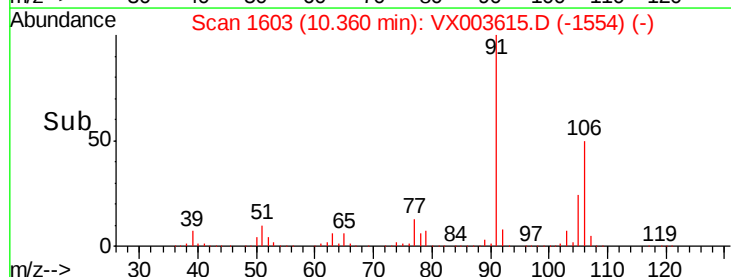
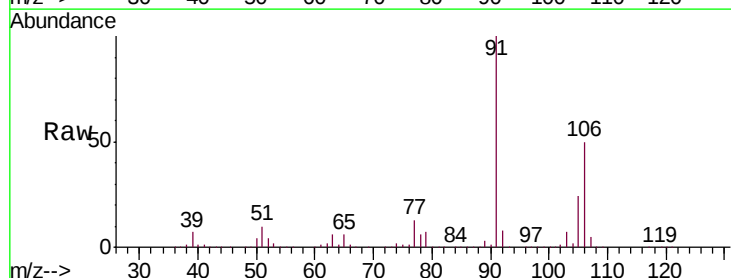
Manual Integrations
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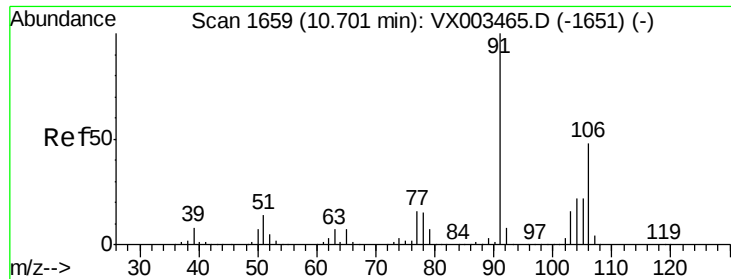
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#68
m/p-Xylenes
Concen: 107.324 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Tgt Ion: 106 Resp: 636992
Ion Ratio Lower Upper
106 100
91 198.8 163.4 245.2





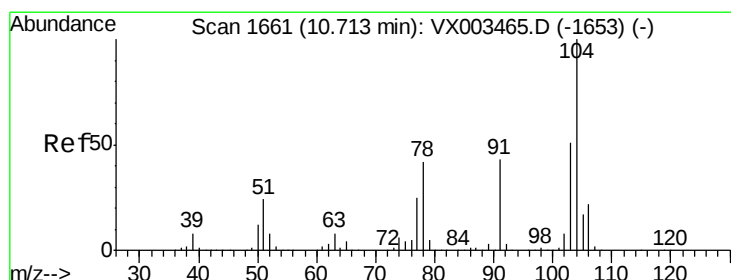
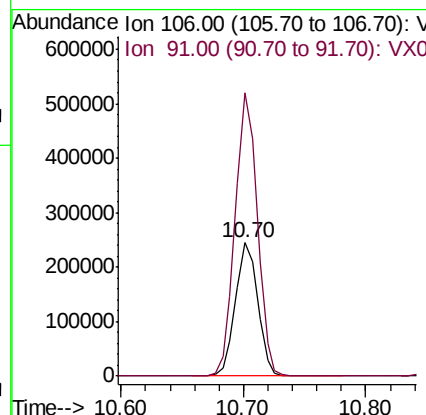
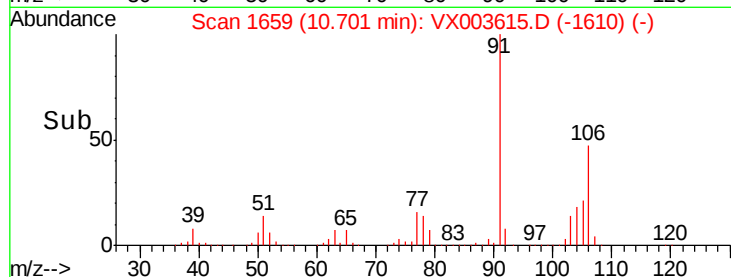
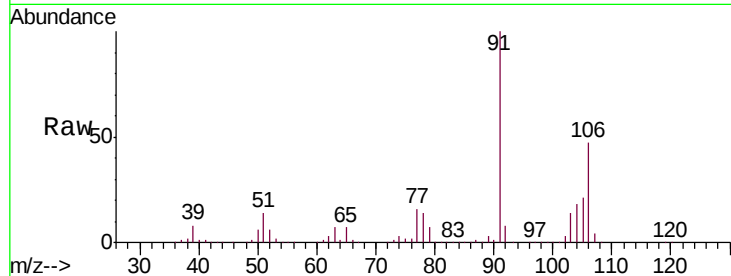
#69
o-Xylene
Concen: 53.599 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 307621
Ion Ratio Lower Upper
106 100
91 211.5 108.2 324.6

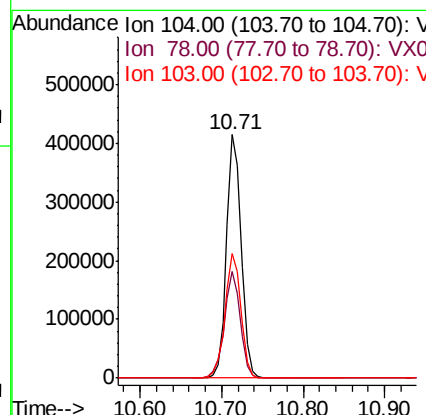
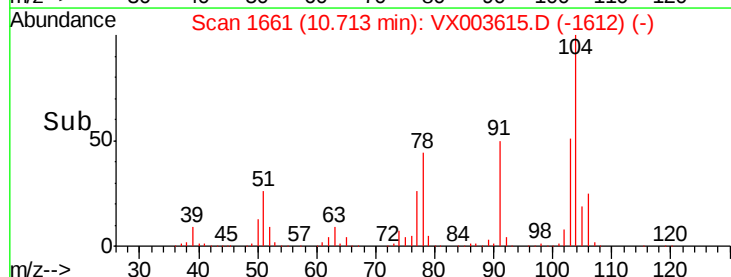
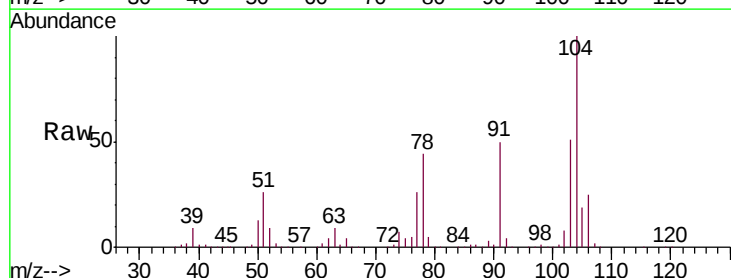
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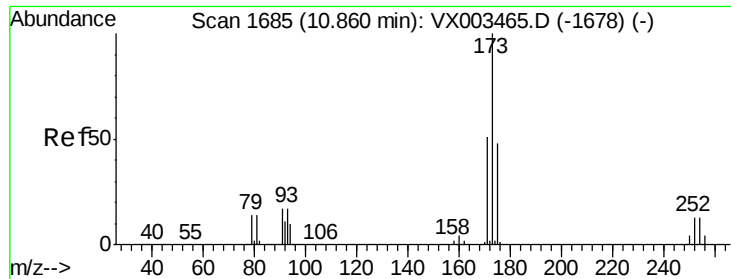
MMDadoda
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#70
Styrene
Concen: 55.599 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Tgt Ion:104 Resp: 524889
Ion Ratio Lower Upper
104 100
78 47.5 41.0 61.6
103 55.5 44.2 66.4





#71

Bromoform

Concen: 57.591 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 144961

Ion Ratio Lower Upper

173 100

175 48.8 24.7 74.1

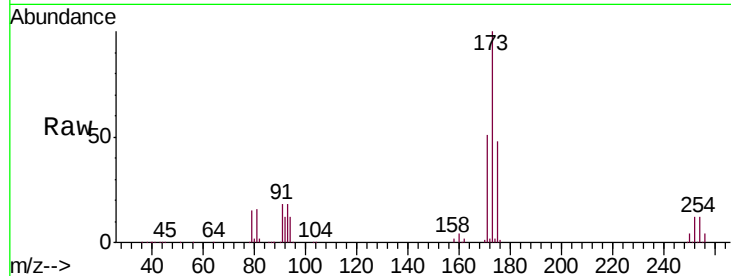
254 0.2 0.2 0.2

Manual Integrations

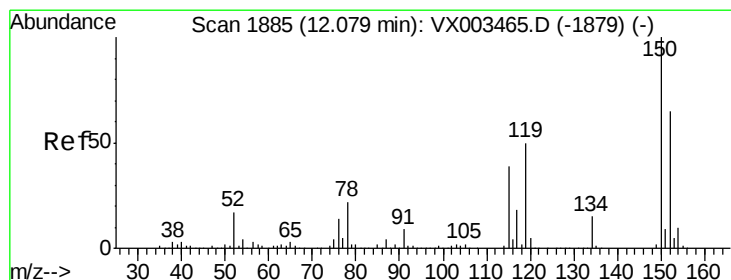
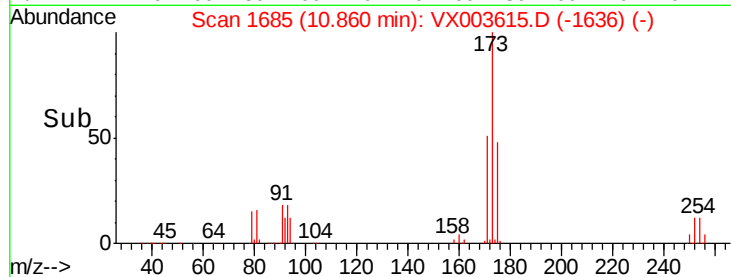
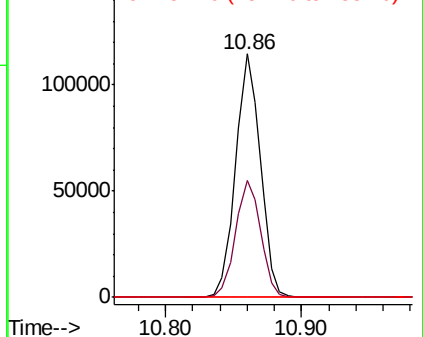
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

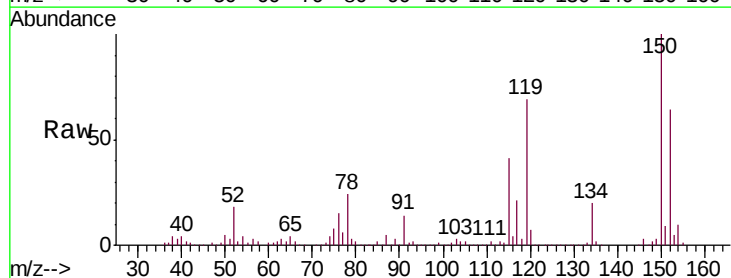
Tgt Ion:152 Resp: 223346

Ion Ratio Lower Upper

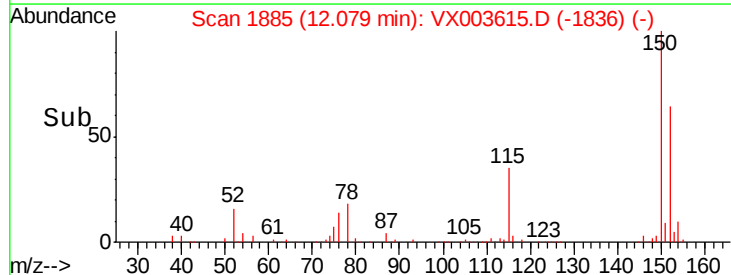
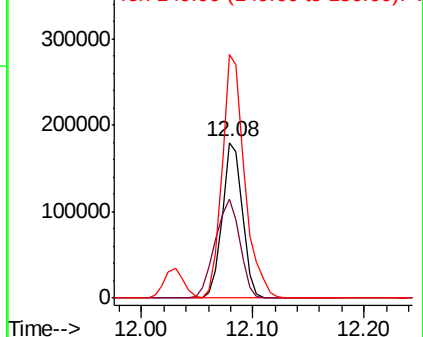
152 100

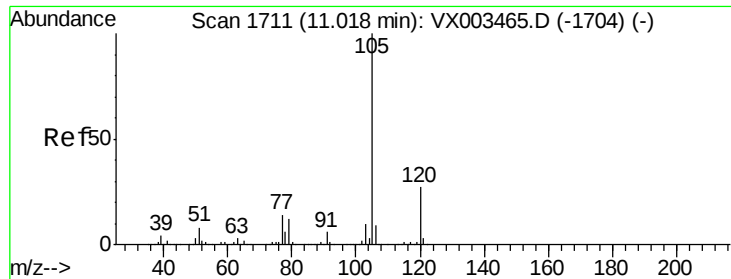
115 78.6 40.1 120.2

150 175.6 0.0 347.2



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





#73

Isopropylbenzene

Concen: 53.775 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.01 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 830643

Ion Ratio Lower Upper

105 100

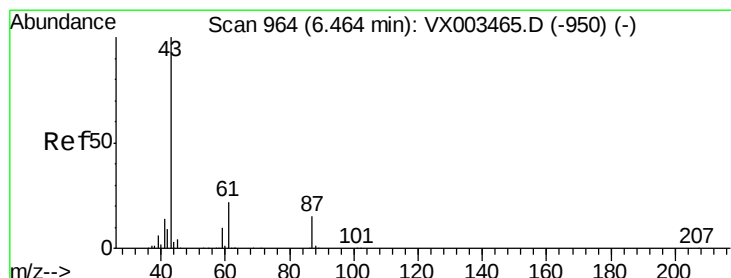
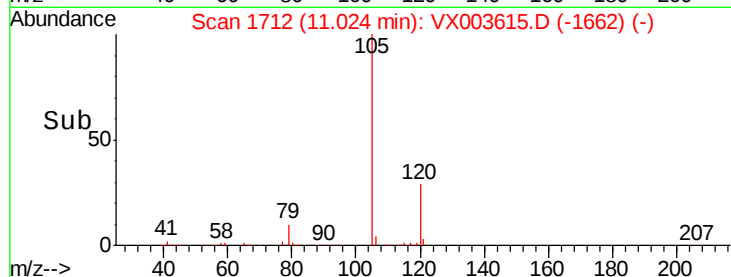
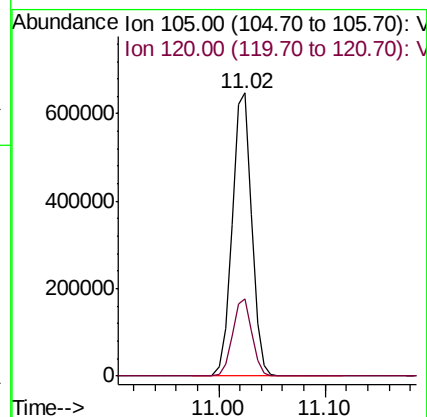
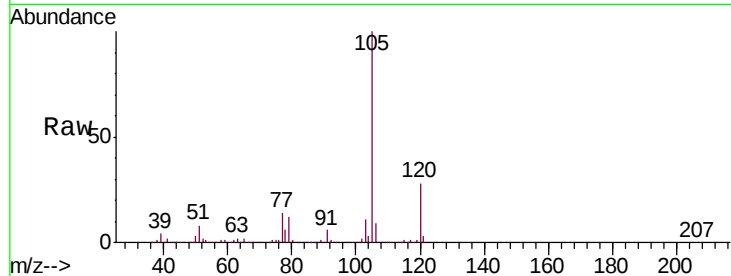
120 27.1 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 57.737 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Tgt Ion: 43 Resp: 378690

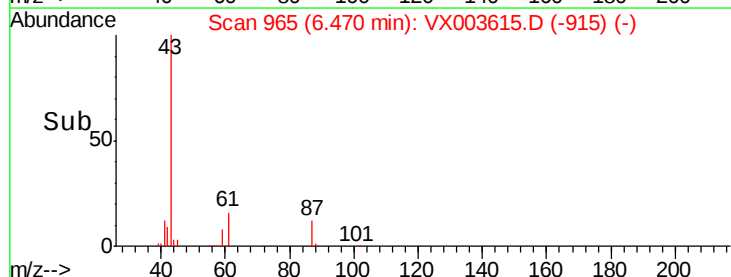
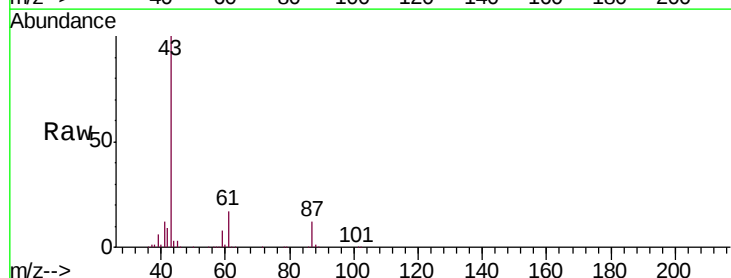
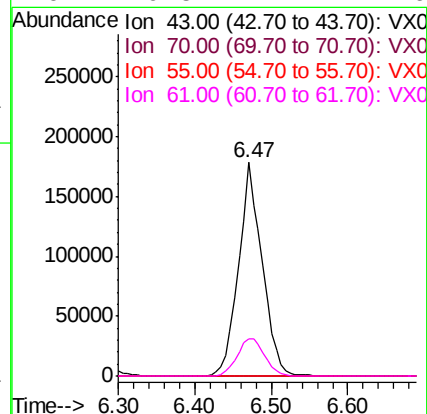
Ion Ratio Lower Upper

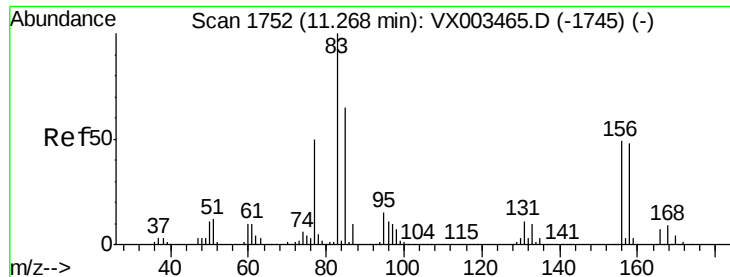
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 20.5 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 55.899 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Instrument :

MSVOA_X

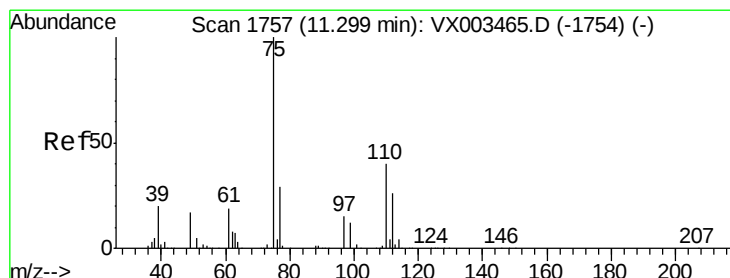
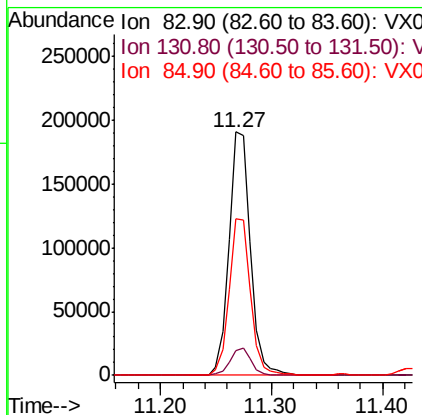
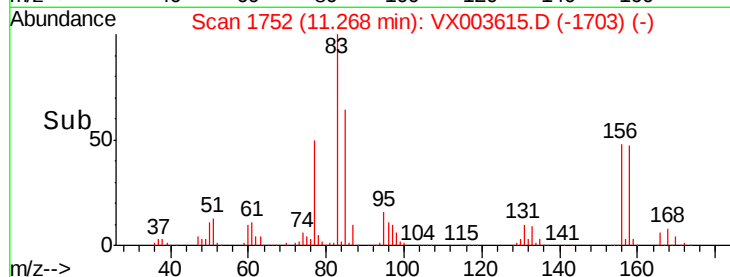
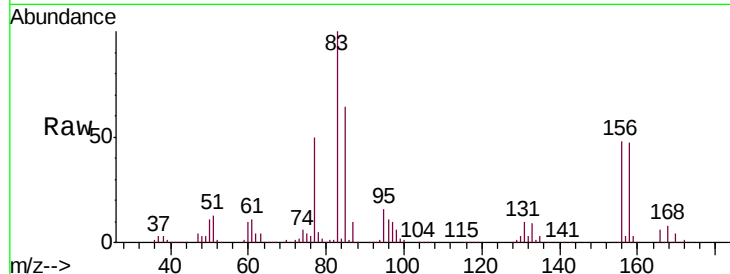
ClientSampled :

VSTDCCC050EC

Tot Ion:	83	Resp:	253026
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.6	16.8
85	64.3	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 55.845 ug/l m

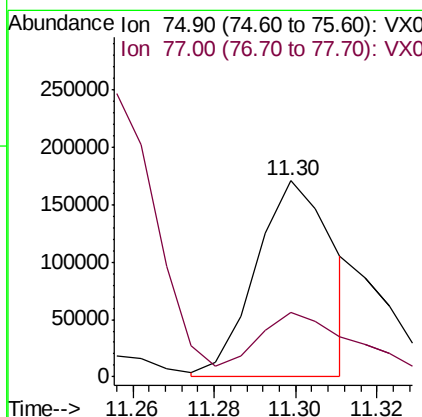
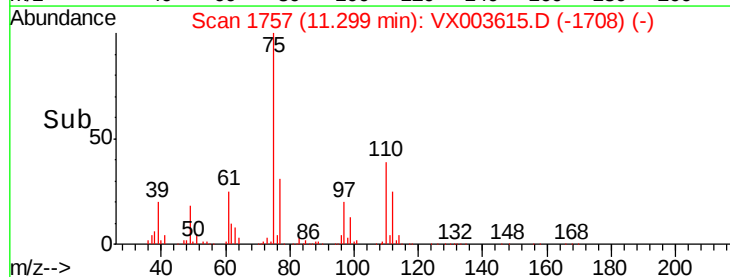
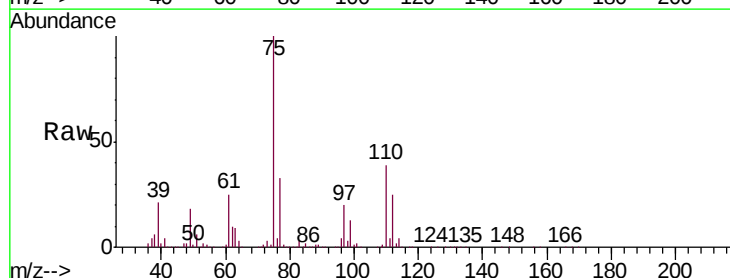
RT: 11.30 min Scan# 1757

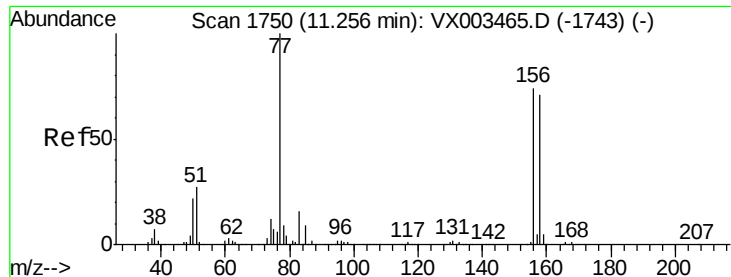
Delta R.T. 0.00 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Tgt Ion:	75	Resp:	224071
Ion Ratio	Lower	Upper	
75	100		
77	42.0	22.8	68.3





#77

Bromobenzene

Concen: 51.714 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 229745

Ion Ratio Lower Upper

156 100

77 135.6 71.4 214.2

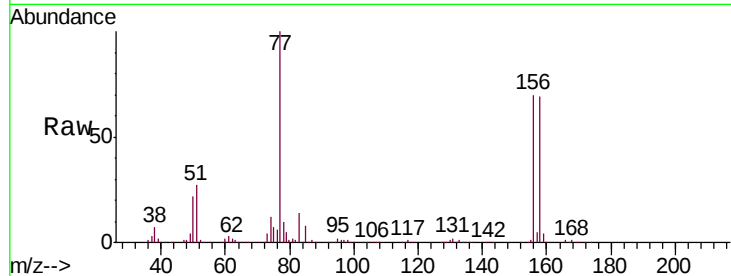
158 98.0 48.9 146.6

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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

300000

200000

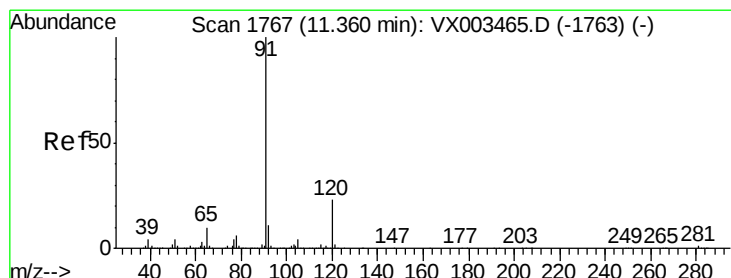
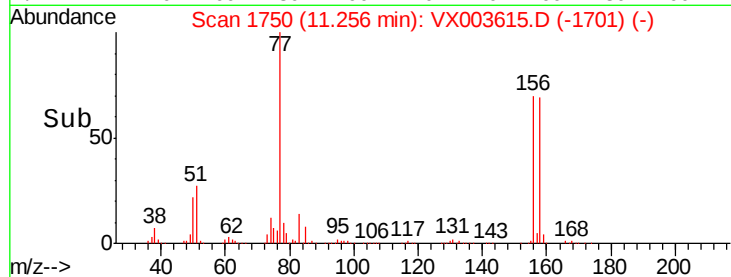
100000

0

11.26

11.30

Time-->



#78

n-propylbenzene

Concen: 54.129 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.01 min

Lab File: VX003615.D

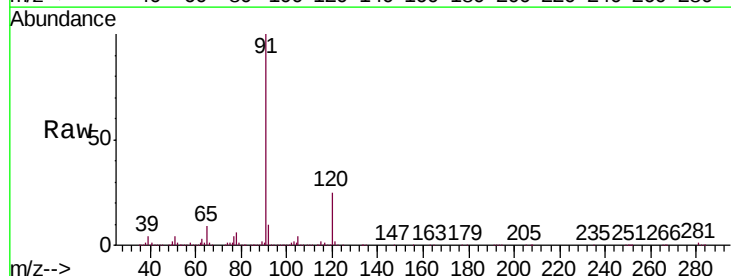
Acq: 23 Jul 2018 20:03

Tgt Ion: 91 Resp: 929409

Ion Ratio Lower Upper

91 100

120 24.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

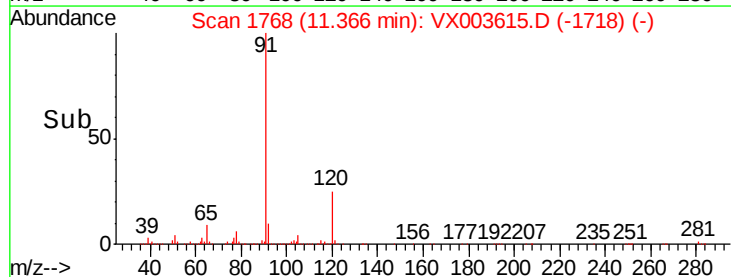
200000

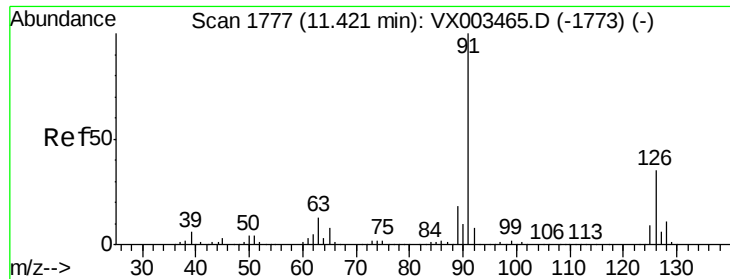
0

11.37

11.40

Time-->





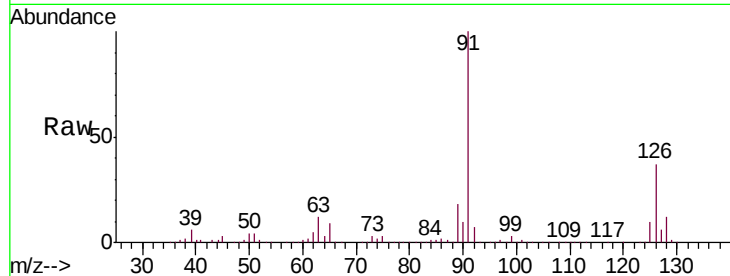
#79
2-Chlorotoluene
Concen: 53.159 ug/l
RT: 11.43 min Scan# 1778
Delta R.T. 0.01 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

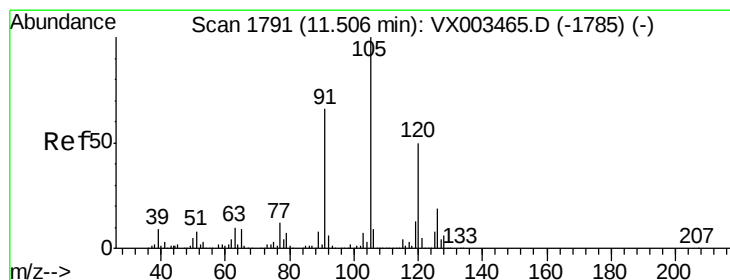
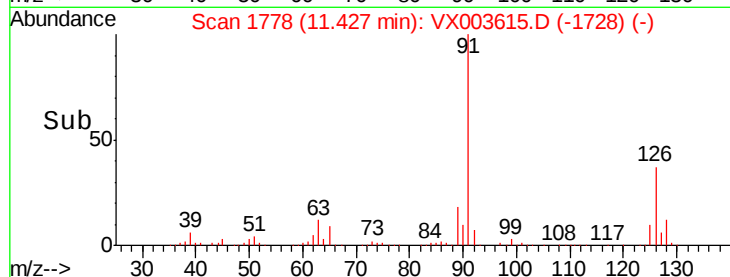
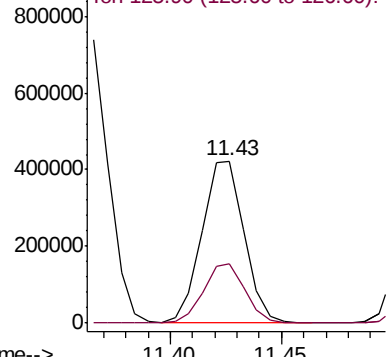
Tot Ion: 91 Resp: 554102
Ion Ratio Lower Upper
91 100
126 36.4 17.7 53.1

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7/24/2018 12:37:46 PM

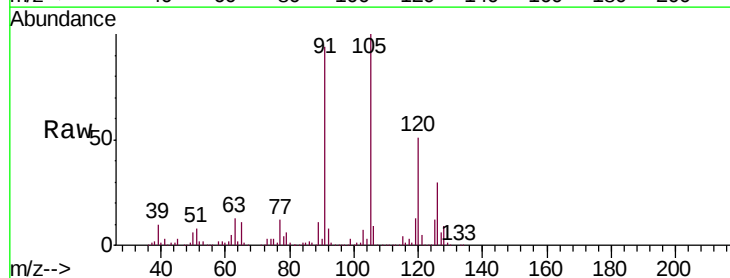


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

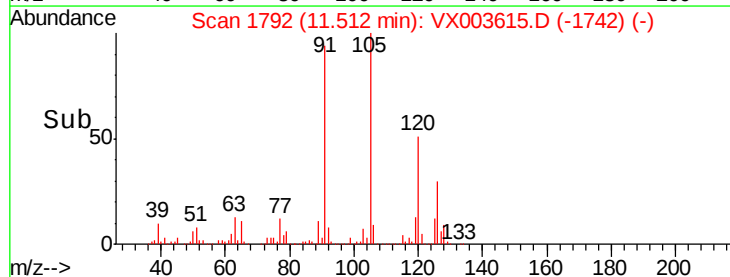
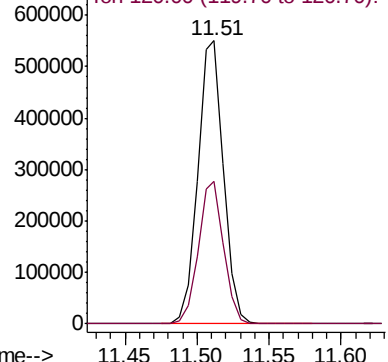


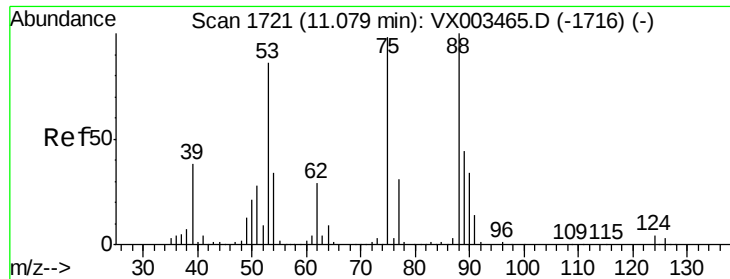
#80
1,3,5-Trimethylbenzene
Concen: 54.196 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Tgt Ion: 105 Resp: 687997
Ion Ratio Lower Upper
105 100
120 49.7 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: 48.091 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 67806

Ion Ratio Lower Upper

75 100

53 90.4 86.8 130.2

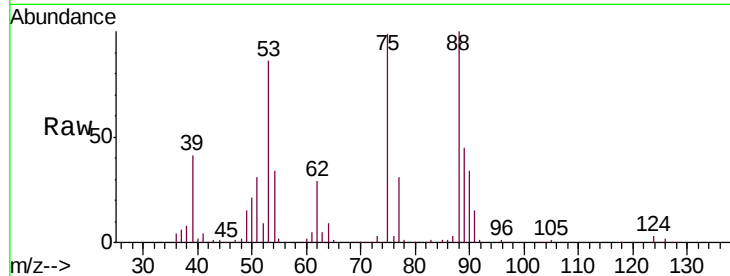
89 45.7 38.2 57.2

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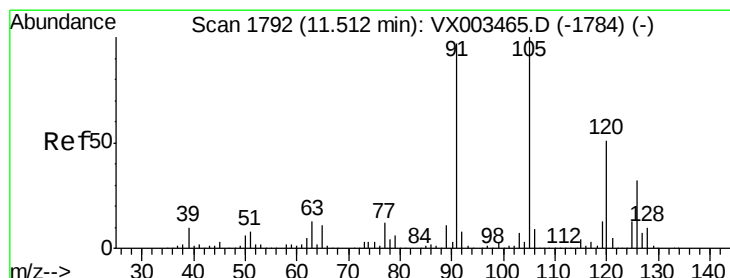
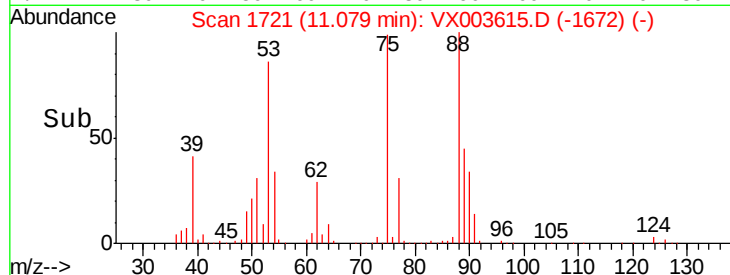
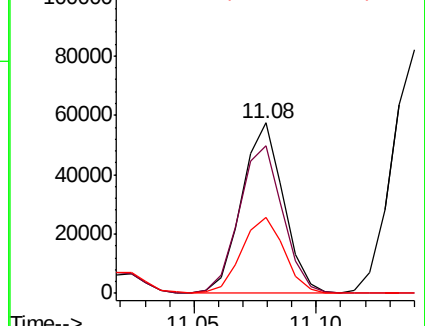
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 52.833 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003615.D

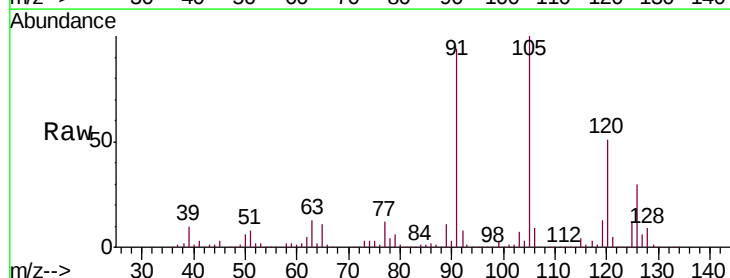
Acq: 23 Jul 2018 20:03

Tgt Ion: 91 Resp: 645294

Ion Ratio Lower Upper

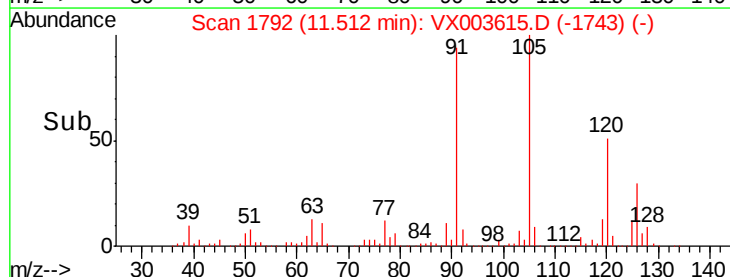
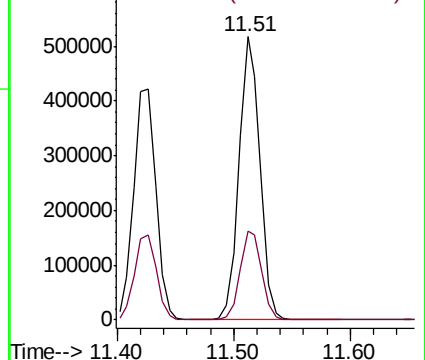
91 100

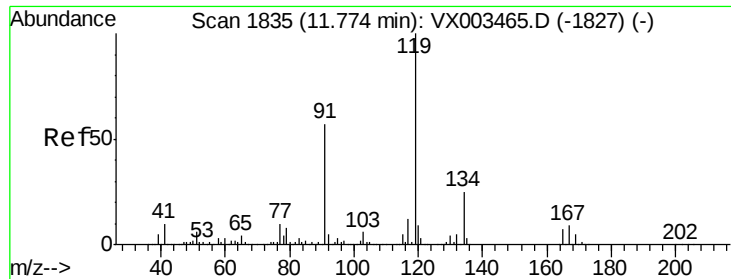
126 32.2 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





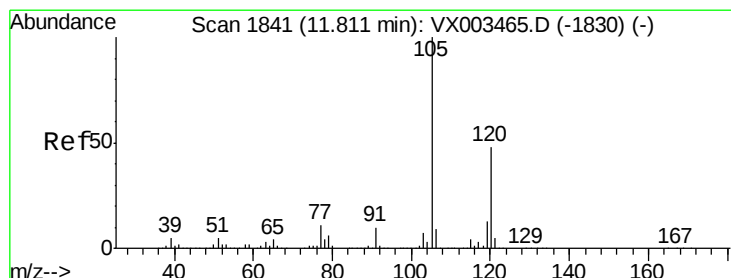
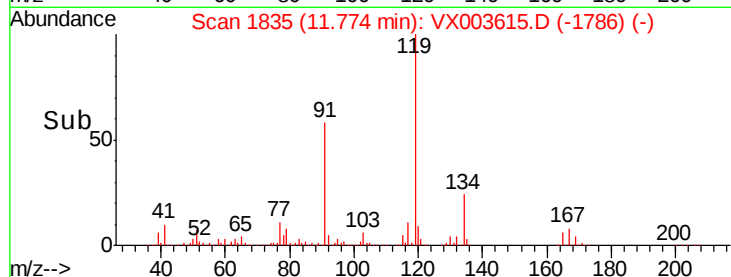
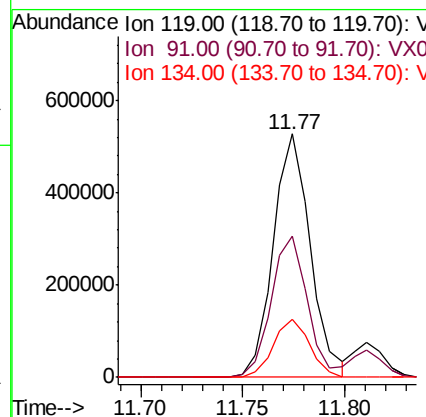
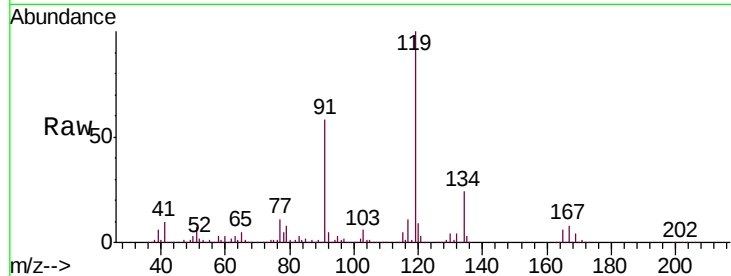
#83
tert-Butylbenzene
Concen: 53.734 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.3	30.3	90.9
134	23.6	11.7	35.1

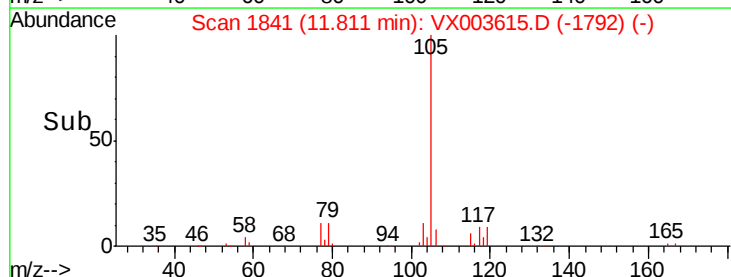
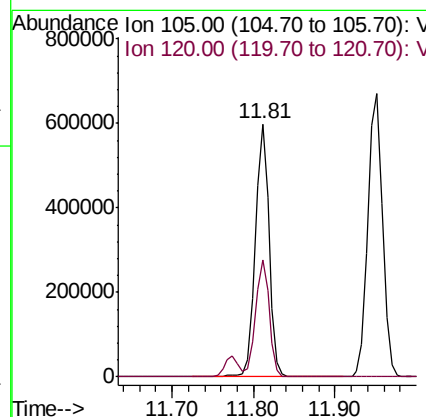
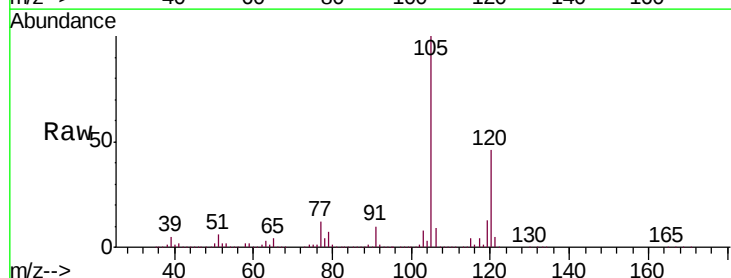
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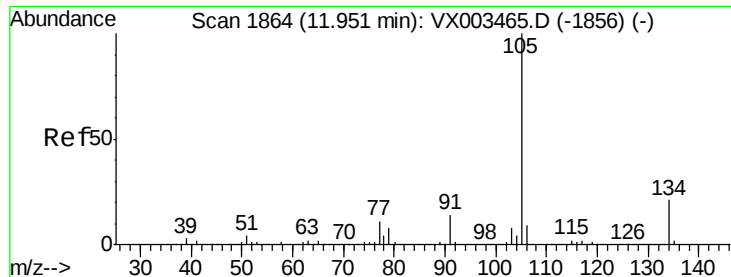
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#84
1,2,4-Trimethylbenzene
Concen: 54.659 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.3	66.8





#85

sec-Butylbenzene

Concen: 54.077 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 816567

Ion Ratio Lower Upper

105 100

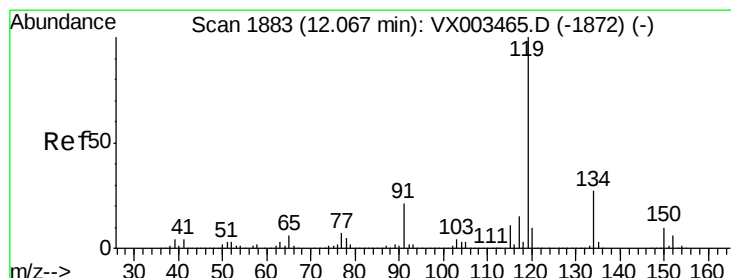
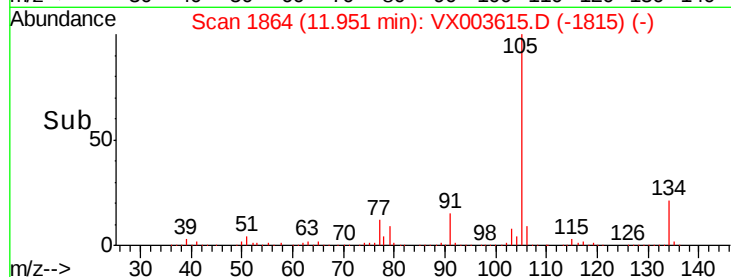
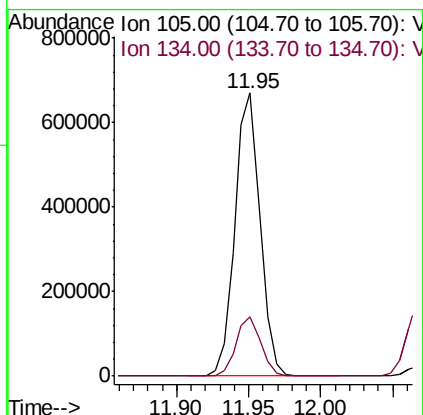
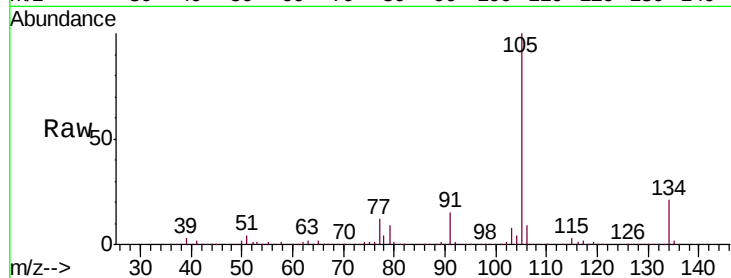
134 20.8 10.4 31.1

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7/24/2018 12:37:46 PM



#86

p-Isopropyltoluene

Concen: 54.131 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

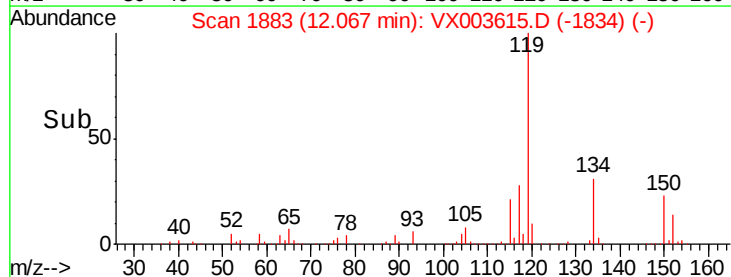
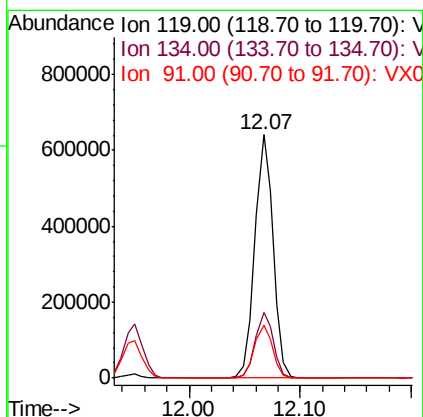
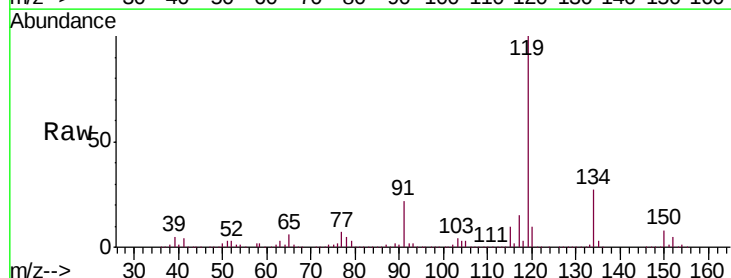
Tgt Ion:119 Resp: 733549

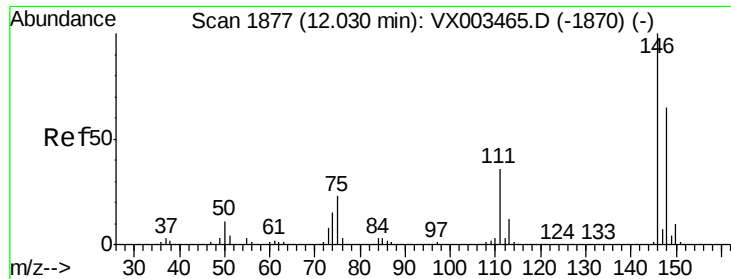
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 22.0 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 50.669 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Instrument :

MSVOA_X

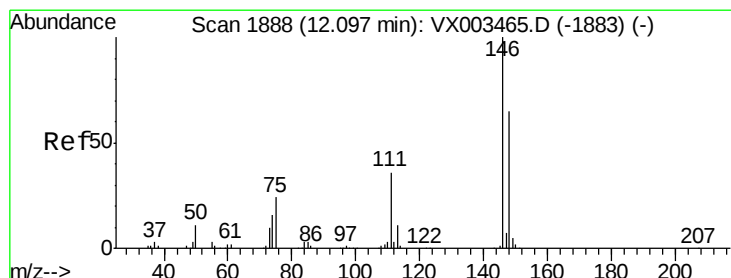
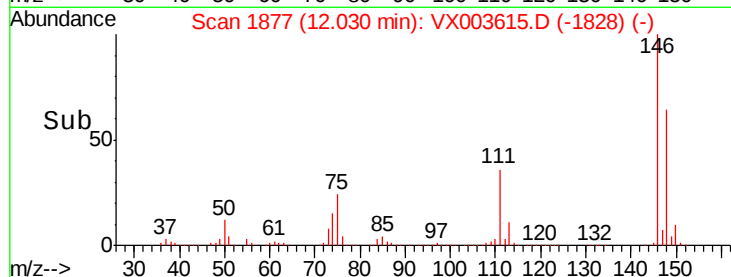
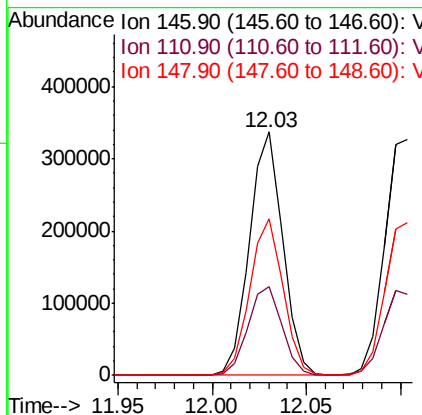
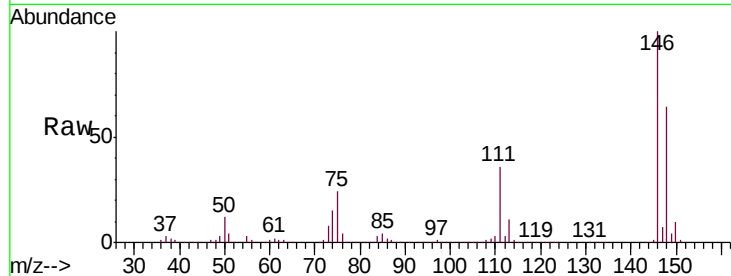
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	413784
Ion Ratio	Lower	Upper	
146	100		
111	37.1	18.9	56.7
148	64.2	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 49.771 ug/l

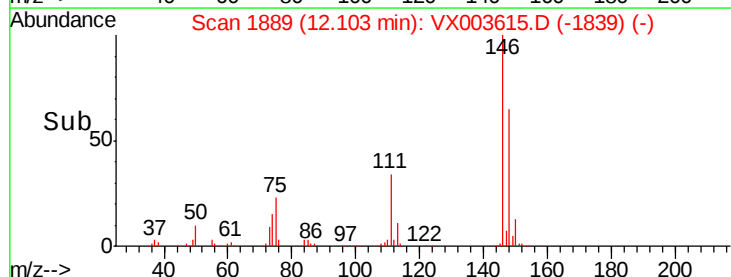
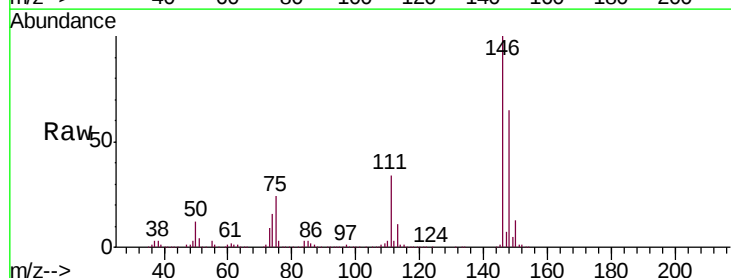
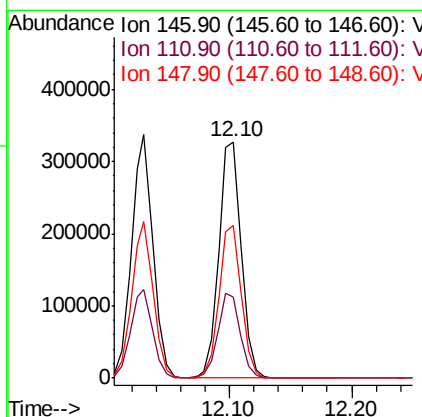
RT: 12.10 min Scan# 1889

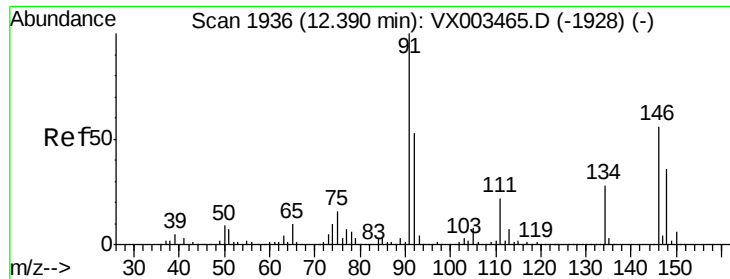
Delta R.T. 0.01 min

Lab File: VX003615.D

Acq: 23 Jul 2018 20:03

Tgt Ion:	146	Resp:	418698
Ion Ratio	Lower	Upper	
146	100		
111	35.9	18.7	56.1
148	64.2	32.4	97.0





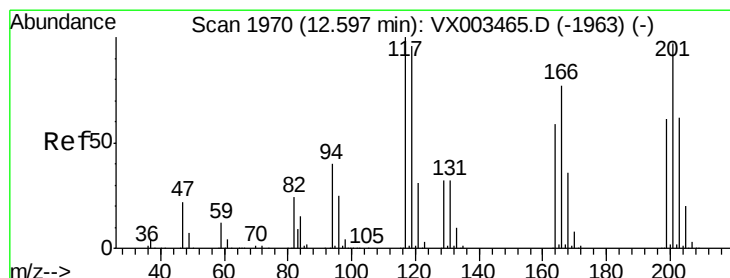
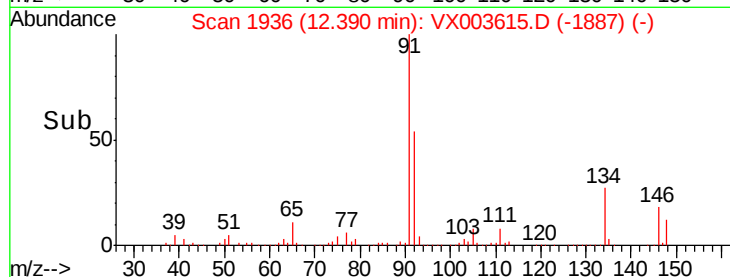
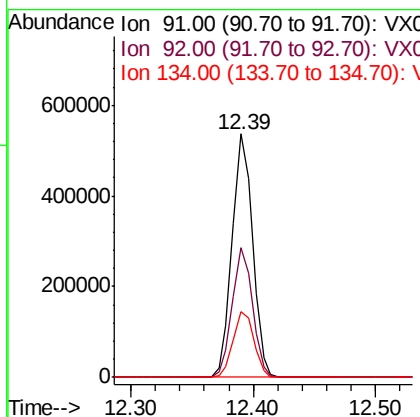
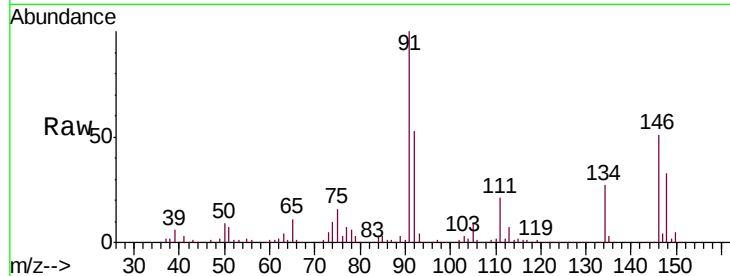
#89
n-Butylbenzene
Concen: 53.667 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.0	78.0
134	27.7	13.5	40.5

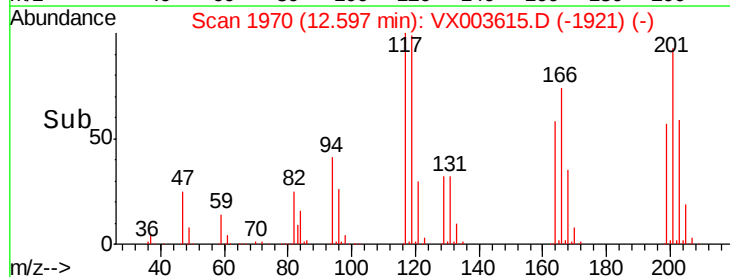
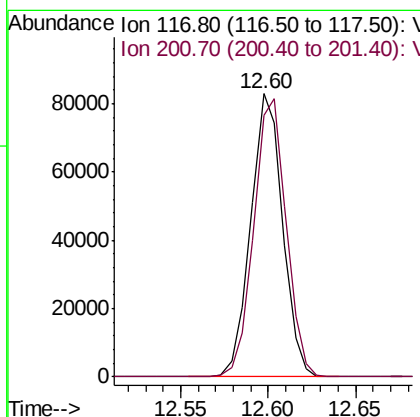
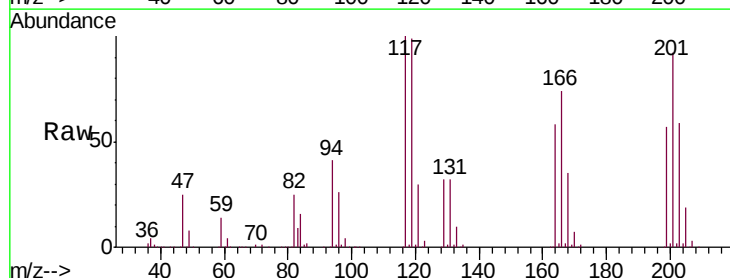
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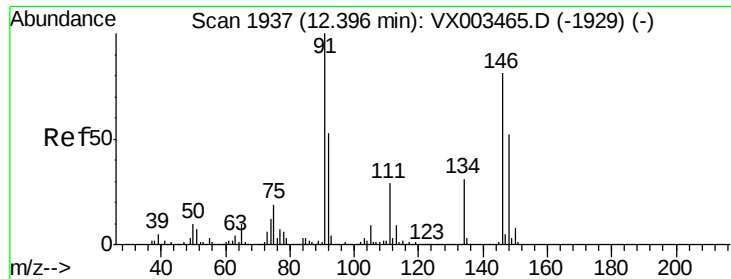
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#90
Hexachloroethane
Concen: 54.458 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.8	49.0	147.0





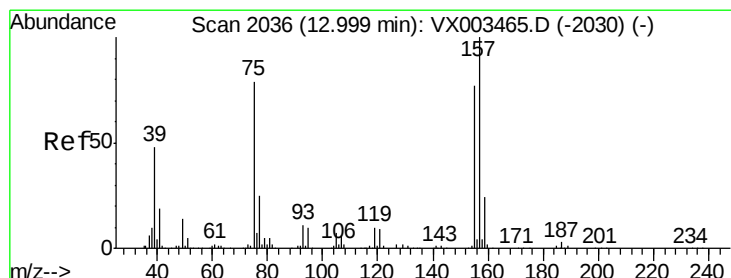
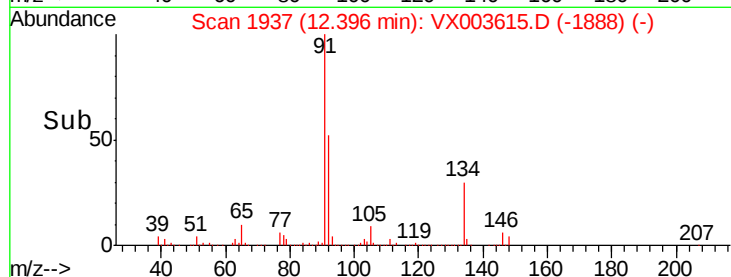
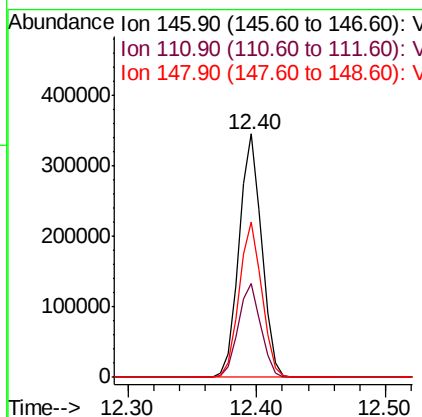
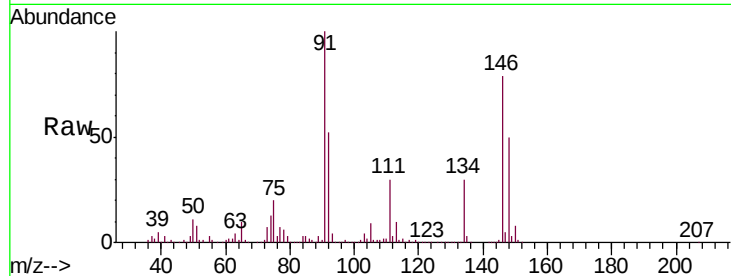
#91
 1,2-Dichlorobenzene
 Concen: 51.904 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003615.D
 Acq: 23 Jul 2018 20:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.1
148	64.1	31.7	95.1

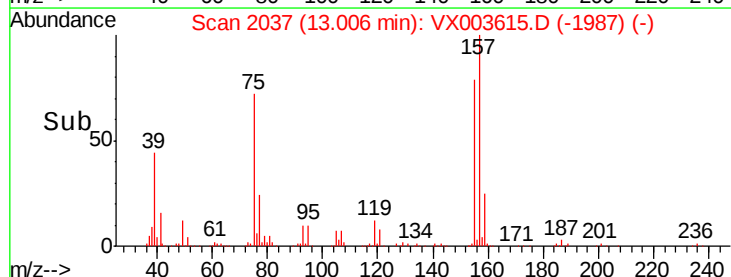
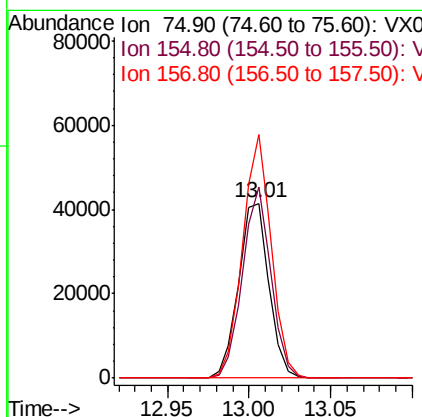
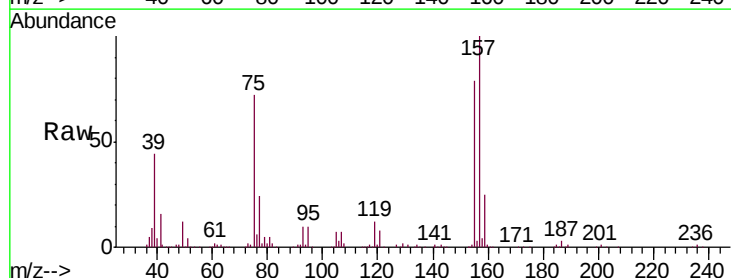
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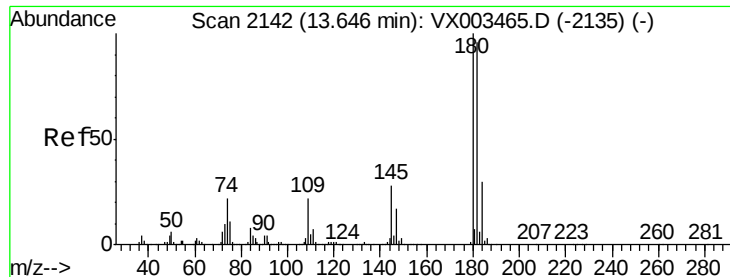
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 61.298 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VX003615.D
 Acq: 23 Jul 2018 20:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.0	45.8	137.4
157	131.0	60.1	180.3





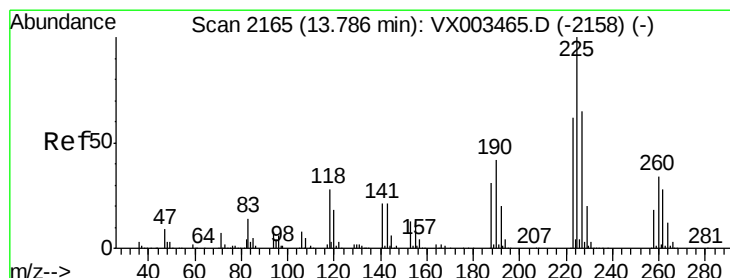
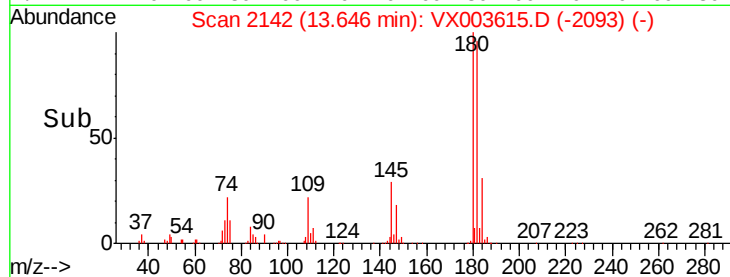
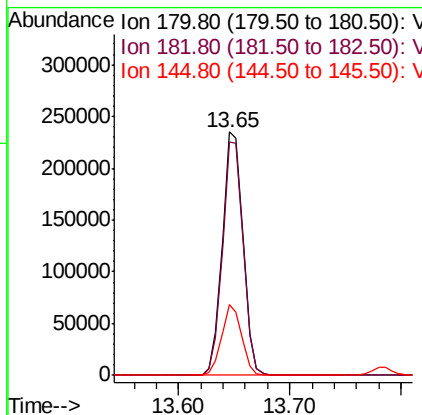
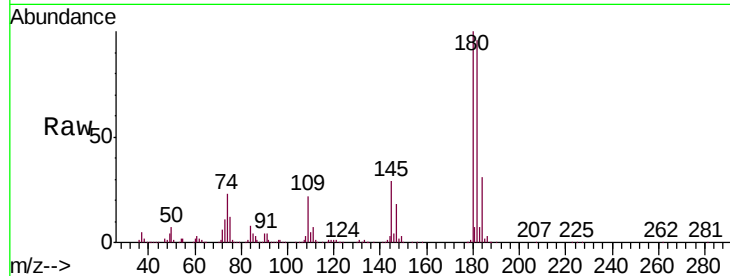
#93
 1,2,4-Trichlorobenzene
 Concen: 51.066 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003615.D
 Acq: 23 Jul 2018 20:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.1	47.7	143.1	
145	28.0	14.1	42.4	

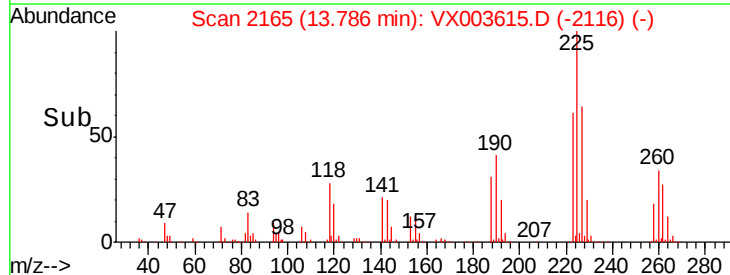
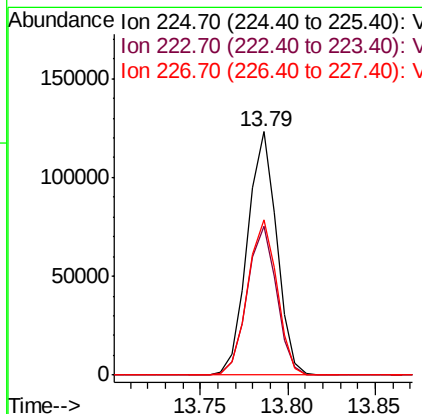
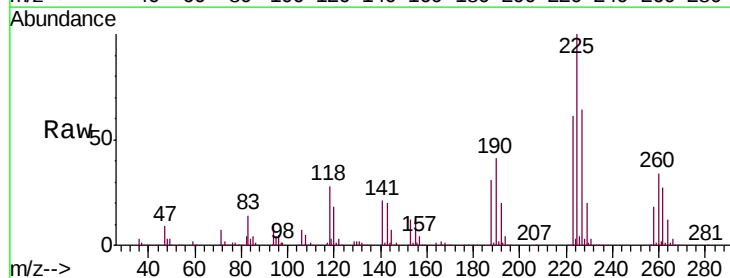
Manual Integrations
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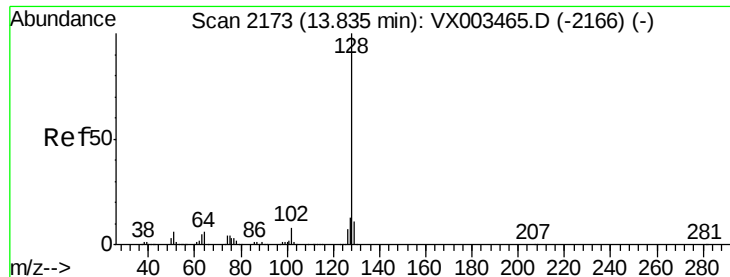
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#94
 Hexachlorobutadiene
 Concen: 50.736 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003615.D
 Acq: 23 Jul 2018 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.6	31.6	95.0	
227	64.6	32.4	97.2	





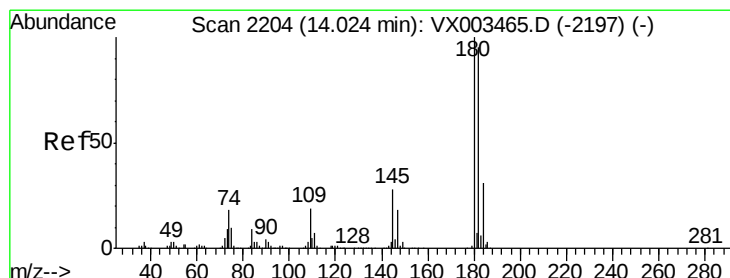
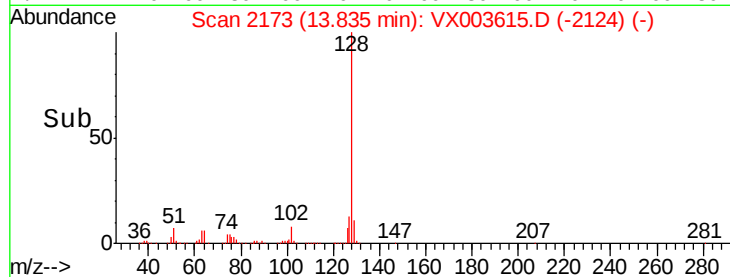
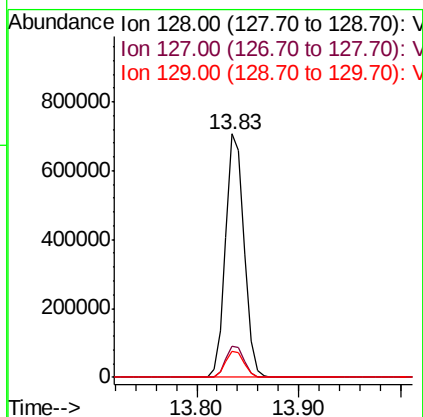
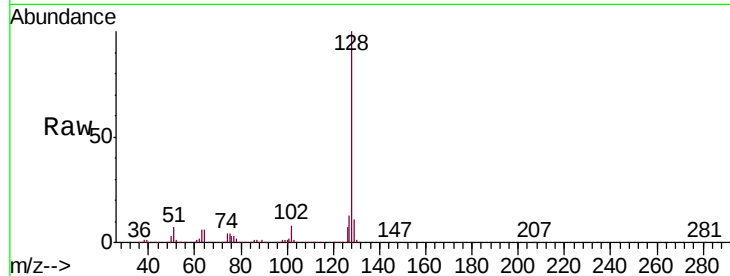
#95
Naphthalene
Concen: 57.270 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/24/2018 12:37:46 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.670 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003615.D
Acq: 23 Jul 2018 20:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.0	144.0
145	29.4	14.8	44.3

