

Data File : VX000633.D

Acq On : 02 Apr 2018 11:13

Operator : JC/MD

Sample : VSTDCCC050

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

4/4/2018 5:09:27 PM

Quant Time: Apr 03 02:45:00 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M

Quant Title : SW846 8260

QLast Update : Wed Mar 21 04:52:42 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	158661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	255527	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	291684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	188128	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	84478	40.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.58%	
35) Dibromofluoromethane	5.51	113	65213	40.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.00%	
50) Toluene-d8	8.72	98	279304	41.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.78%	
62) 4-Bromofluorobenzene	11.15	95	118452	43.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	74782	42.77	ug/l	95
3) Chloromethane	1.32	50	65130	35.36	ug/l	98
4) Vinyl Chloride	1.41	62	86435	44.41	ug/l	97
5) Bromomethane	1.64	94	103588	44.46	ug/l	97
6) Chloroethane	1.73	64	60819	52.46	ug/l	97
7) Trichlorofluoromethane	1.93	101	160726	45.75	ug/l	99
8) Diethyl Ether	2.19	74	57561	45.85	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	89915	45.90	ug/l	99
10) Methyl Iodide	2.51	142	53566	29.51	ug/l	100
11) Tert butyl alcohol	3.07	59	160913	225.87	ug/l	100
12) 1,1-Dichloroethene	2.38	96	78106	45.42	ug/l	98
13) Acrolein	2.30	56	61790	270.39	ug/l	98
14) Allyl chloride	2.73	41	139524	45.93	ug/l	99
15) Acrylonitrile	3.15	53	325864	225.84	ug/l	100
16) Acetone	2.45	43	409395	237.62	ug/l	98
17) Carbon Disulfide	2.57	76	191422	41.85	ug/l	100
18) Methyl Acetate	2.78	43	161034	44.58	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	303158	47.66	ug/l	98
20) Methylene Chloride	2.86	84	88755	44.60	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	87420	45.57	ug/l	97
22) Diisopropyl ether	3.87	45	282459	52.54	ug/l	99
23) Vinyl Acetate	3.83	43	1359896	266.83	ug/l	99
24) 1,1-Dichloroethane	3.70	63	149667	44.28	ug/l	99
25) 2-Butanone	4.71	43	417698	215.69	ug/l	98
26) 2,2-Dichloropropane	4.59	77	102834	43.41	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	73502	41.00	ug/l	99
28) Bromochloromethane	5.03	49	63283	45.40	ug/l	99
29) Tetrahydrofuran	5.17	42	261177	219.20	ug/l	99
30) Chloroform	5.22	83	145765	46.02	ug/l	95
31) Cyclohexane	5.58	56	112351	43.00	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	128055	44.81	ug/l	99
36) 1,1-Dichloropropene	5.81	75	104026	43.46	ug/l	98
37) Ethyl Acetate	4.87	43	142167	43.48	ug/l	100
38) Carbon Tetrachloride	5.79	117	109796	43.73	ug/l	99

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Manual Integrations

APPROVED

MMDadoda

4/4/2018 5:09:27 PM

Quant Time: Apr 03 02:45:00 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M

Quant Title : SW846 8260

QLast Update : Wed Mar 21 04:52:42 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	130877	44.96	ug/l	97
40) Benzene	6.15	78	314692	45.27	ug/l	99
41) Methacrylonitrile	5.07	41	75303	43.69	ug/l	98
42) 1,2-Dichloroethane	6.20	62	124238	45.55	ug/l	98
43) Isopropyl Acetate	6.47	43	227371	46.72	ug/l	99
44) Trichloroethene	7.22	130	92839	46.62	ug/l	98
45) 1,2-Dichloropropane	7.52	63	84777	47.65	ug/l	98
46) Dibromomethane	7.67	93	64701	46.33	ug/l	98
47) Bromodichloromethane	7.91	83	122781	49.97	ug/l	99
48) Methyl methacrylate	7.79	41	111359	47.13	ug/l	98
49) 1,4-Dioxane	7.76	88	49291	992.47	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	889635	236.16	ug/l	98
52) Toluene	8.79	92	242233	49.85	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	141565	49.72	ug/l	95
54) cis-1,3-Dichloropropene	9.05	75	146389	53.00	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	101132	50.61	ug/l	98
56) Ethyl methacrylate	9.19	69	155824	51.46	ug/l	95
57) 1,3-Dichloropropane	9.38	76	160125	50.10	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	344321	236.92	ug/l	99
59) 2-Hexanone	9.51	43	771931	241.33	ug/l	98
60) Dibromochloromethane	9.59	129	113958	48.34	ug/l	98
61) 1,2-Dibromoethane	9.68	107	114923	53.63	ug/l	100
64) Tetrachloroethene	9.34	164	96590	42.67	ug/l	98
65) Chlorobenzene	10.15	112	293820	45.26	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	104073	47.21	ug/l	98
67) Ethyl Benzene	10.26	91	494024	44.90	ug/l	97
68) m/p-Xylenes	10.37	106	401916	92.82	ug/l	96
69) o-Xylene	10.71	106	196150	46.79	ug/l	96
70) Styrene	10.72	104	333974	48.14	ug/l	97
71) Bromoform	10.87	173	94909	42.14	ug/l #	98
73) Isopropylbenzene	11.02	105	539135	43.25	ug/l	100
74) N-amyl acetate	6.47	43	227371	41.27	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	189376	42.95	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	198230m	49.03	ug/l	
77) Bromobenzene	11.26	156	143576	43.24	ug/l	95
78) n-propylbenzene	11.37	91	632019	42.52	ug/l	98
79) 2-Chlorotoluene	11.43	91	355823	41.44	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	465631	44.43	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	55238	44.23	ug/l	95
82) 4-Chlorotoluene	11.52	91	439043	42.83	ug/l	97
83) tert-Butylbenzene	11.78	119	469864	44.45	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	478290	43.53	ug/l	98
85) sec-Butylbenzene	11.95	105	576912	44.11	ug/l	99
86) p-Isopropyltoluene	12.07	119	532475	45.84	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	283218	45.11	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	294684	44.71	ug/l	97
89) n-Butylbenzene	12.40	91	484970	44.84	ug/l	99
90) Hexachloroethane	12.60	117	83869	45.87	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	281809	45.78	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	51016	41.49	ug/l	92

Data Path : W:\HPCHEM1\MSVOA_X\Data\VX040218\
Quantitation Report (QT Reviewed)

Data File : VX000633.D
Acq On : 02 Apr 2018 11:13
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
4/4/2018 5:09:27 PM

Quant Time: Apr 03 02:45:00 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	209726	47.53	ug/l	99
94) Hexachlorobutadiene	13.79	225	83740	45.83	ug/l	98
95) Naphthalene	13.84	128	714946	46.51	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	205182	47.06	ug/l	100

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

Data File : VX000633.D

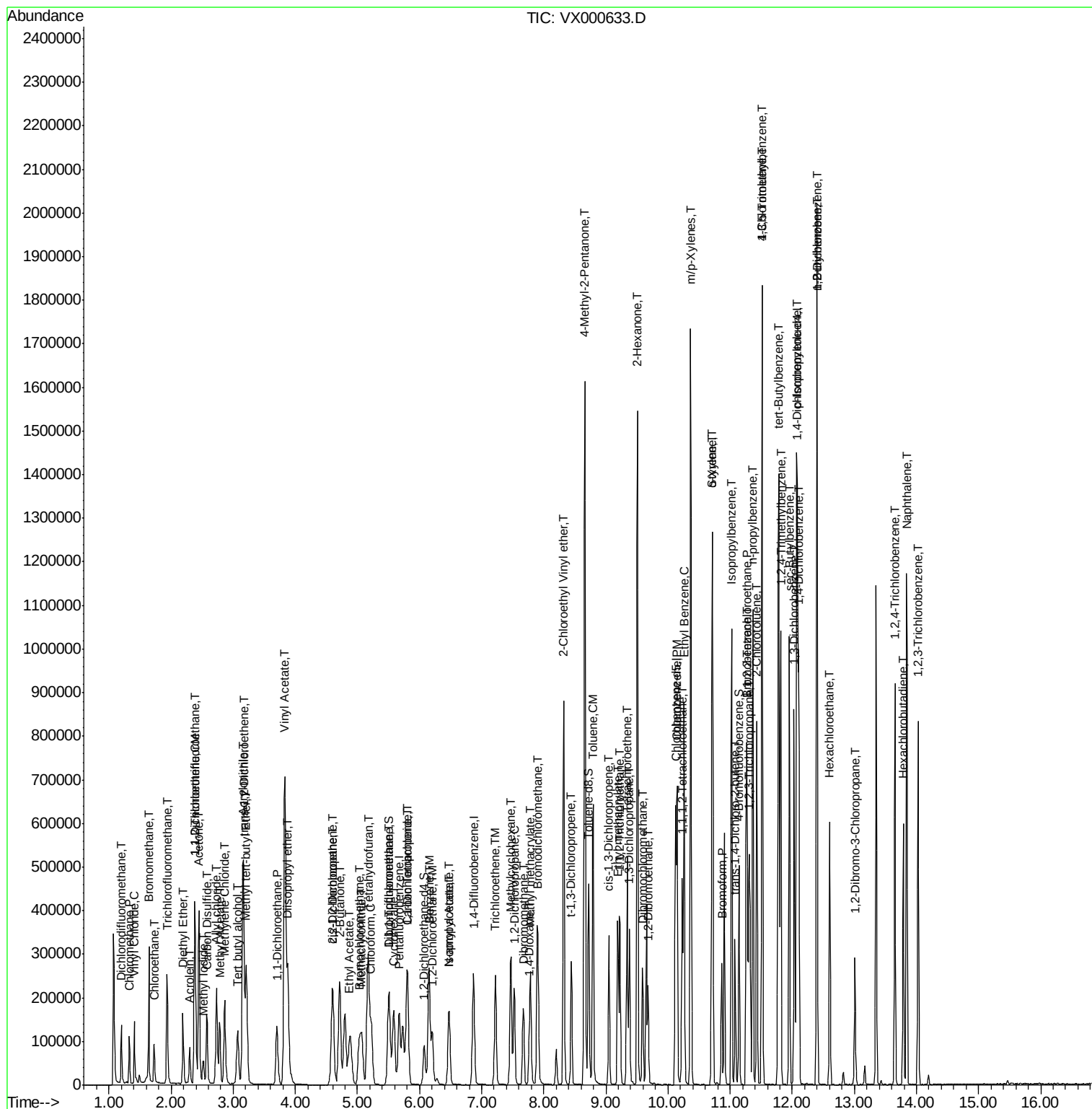
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Acq On       : 02 Apr 2018   11:13
Operator     : JC/MD
Sample       : VSTDCCC050
Misc        : 5.0mL/MSVOA_X/WATER
ALS Vial     : 2      Sample Multiplier: 1
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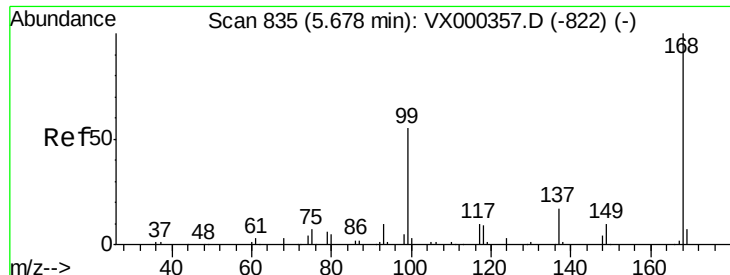
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
4/4/2018 5:09:27 PM

Quant Time: Apr 03 02:45:00 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 158661

Ion Ratio Lower Upper

168 100

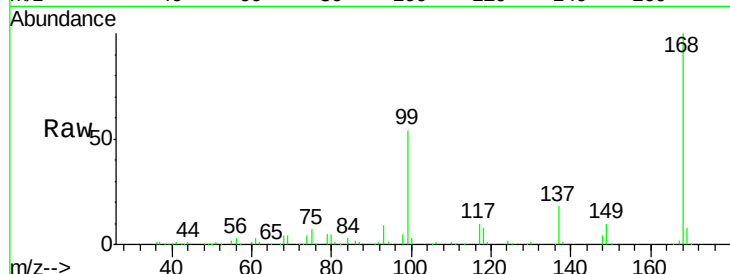
99 54.2 45.8 68.6

Manual Integrations

APPROVED

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4/4/2018 5:09:27 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

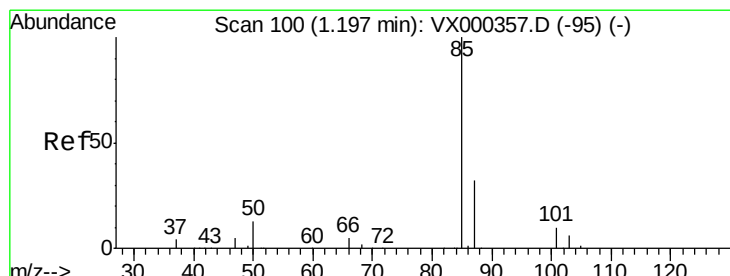
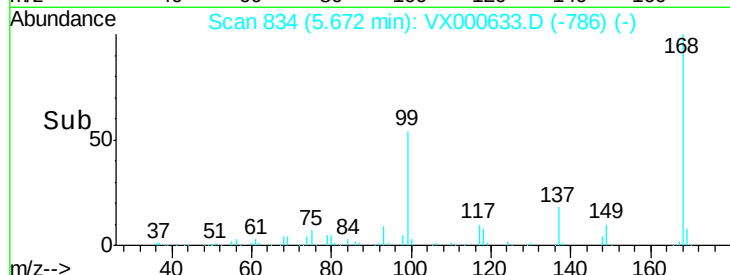
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.77 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000633.D

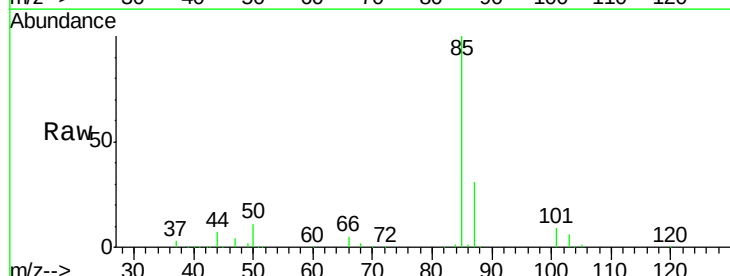
Acq: 02 Apr 2018 11:13

Tgt Ion: 85 Resp: 74782

Ion Ratio Lower Upper

85 100

87 30.6 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

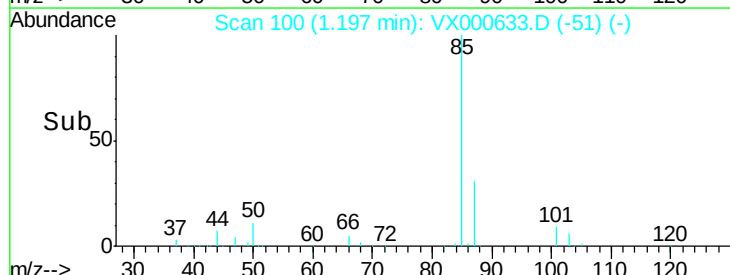
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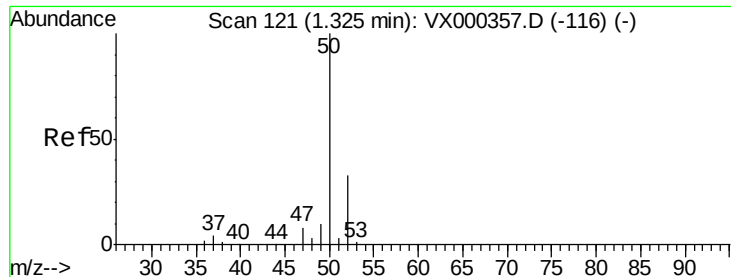
40000

20000

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Time-->





#3

Chloromethane

Concen: 35.36 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 65130

Ion Ratio Lower Upper

50 100

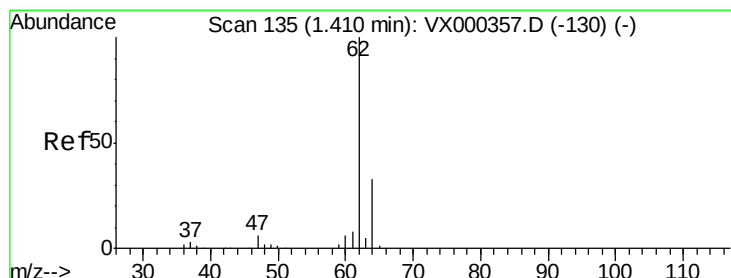
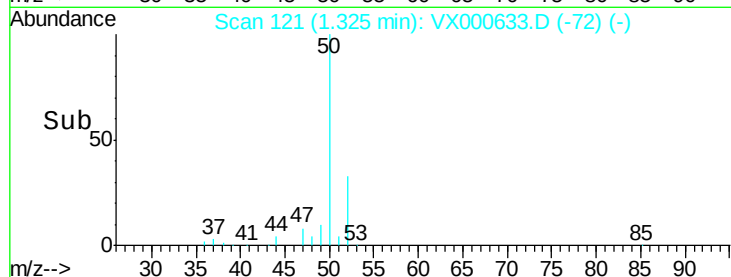
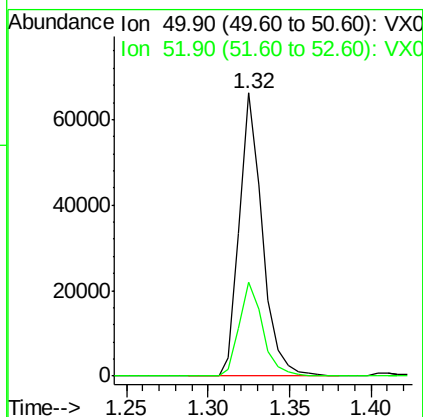
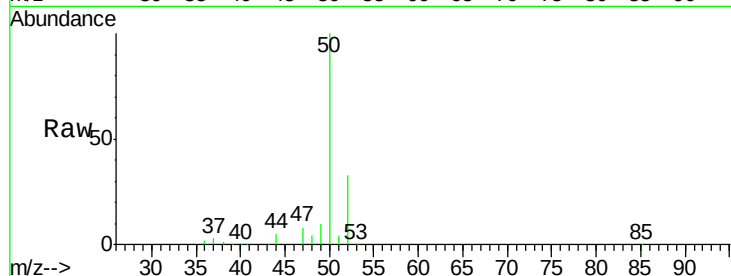
52 33.0 27.5 41.3

Manual Integrations

APPROVED

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4/4/2018 5:09:27 PM



#4

Vinyl Chloride

Concen: 44.41 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX000633.D

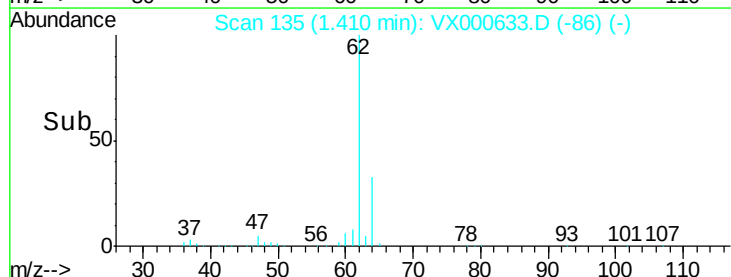
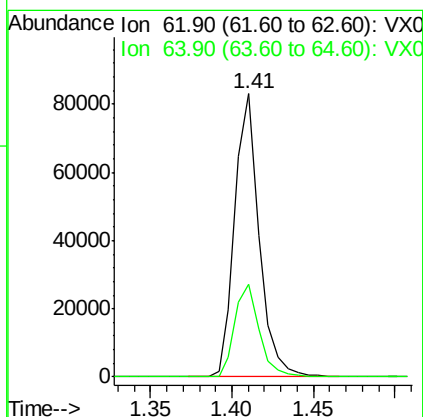
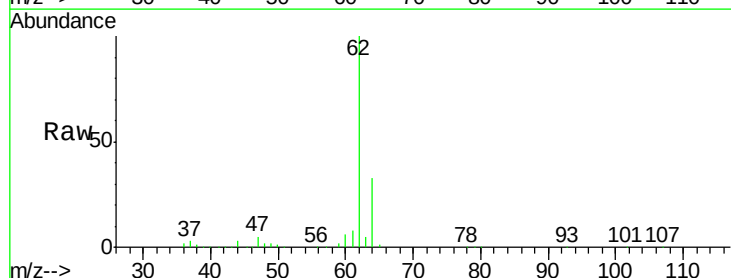
Acq: 02 Apr 2018 11:13

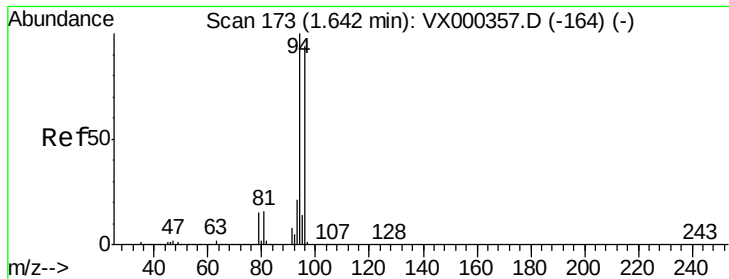
Tgt Ion: 62 Resp: 86435

Ion Ratio Lower Upper

62 100

64 32.7 24.8 37.2





#5

Bromomethane

Concen: 44.46 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 103588

Ion Ratio Lower Upper

94 100

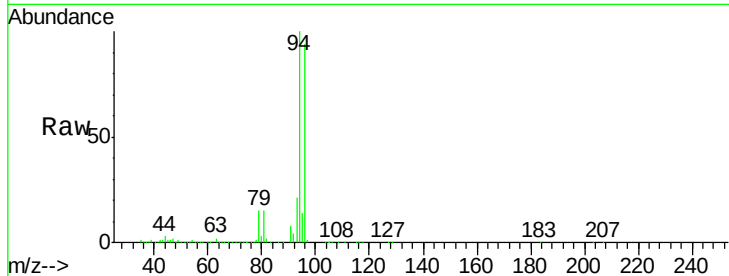
96 94.0 77.7 116.5

Manual Integrations

APPROVED

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4/4/2018 5:09:27 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

100000

80000

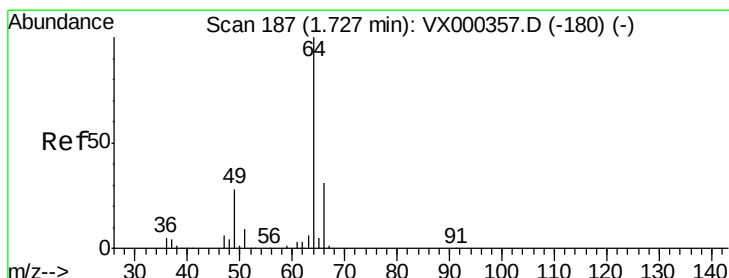
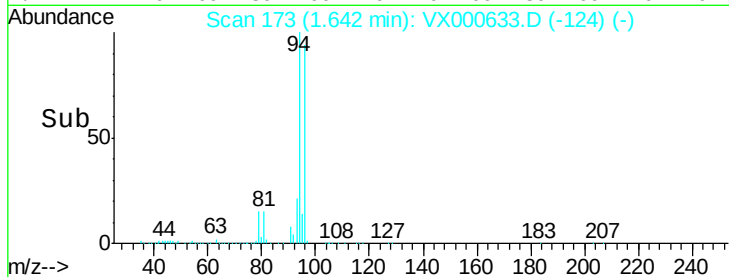
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 52.46 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX000633.D

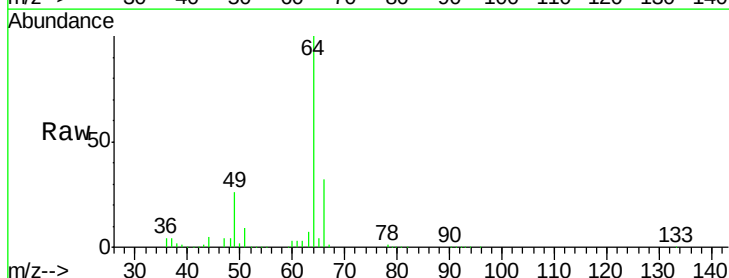
Acq: 02 Apr 2018 11:13

Tgt Ion: 64 Resp: 60819

Ion Ratio Lower Upper

64 100

66 32.4 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

50000

40000

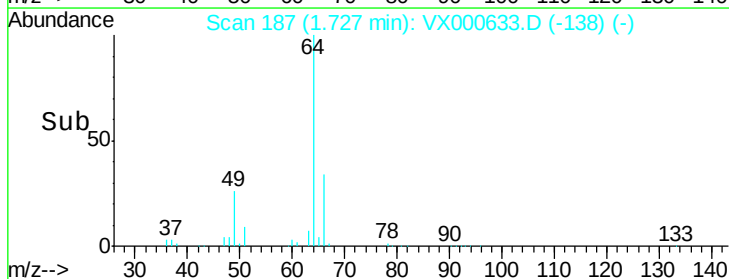
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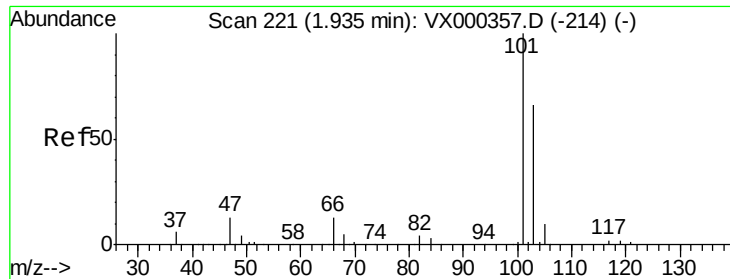
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10000

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Time-->





#7

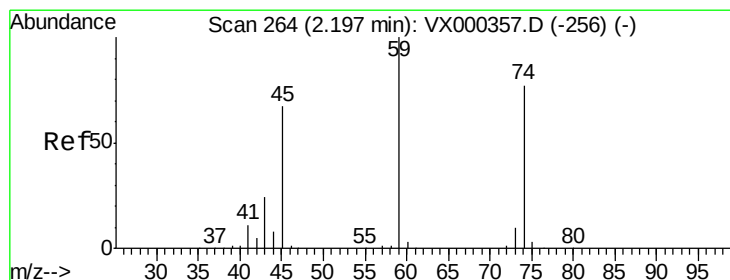
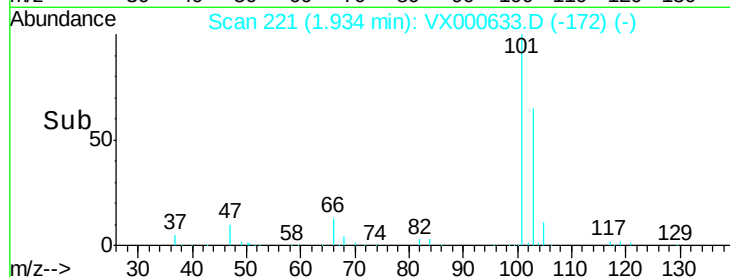
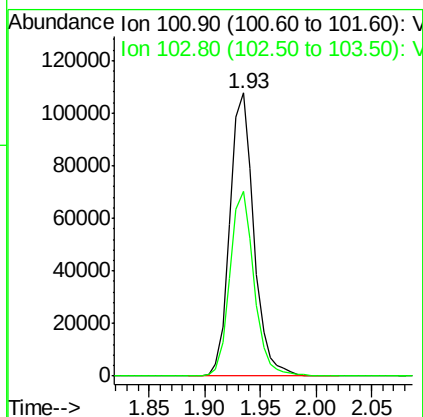
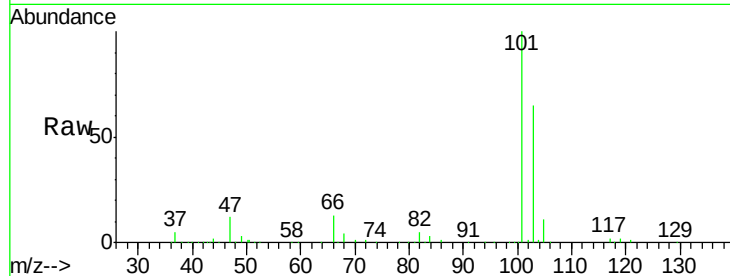
Trichlorofluoromethane
 Concen: 45.75 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VX000633.D
 Acq: 02 Apr 2018 11:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 101 Resp: 160726
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.6 77.4

Manual Integrations
 APPROVED

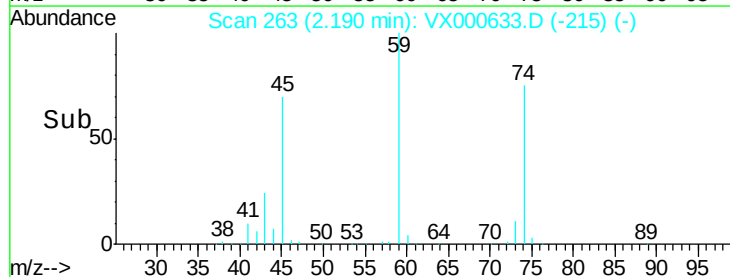
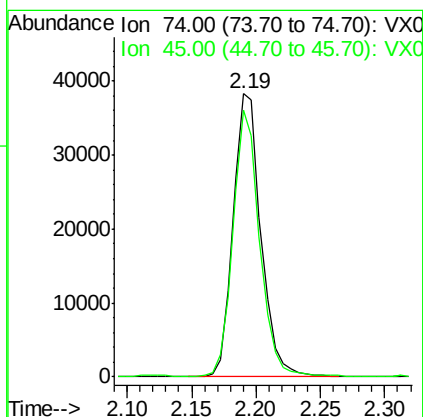
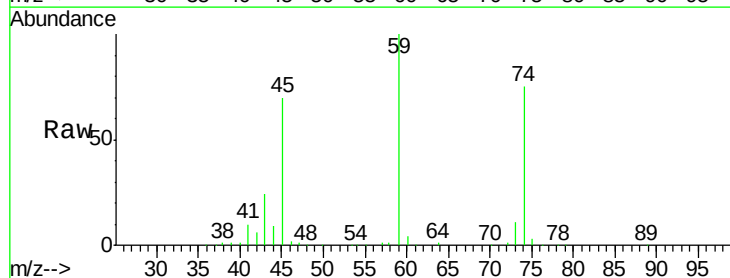
MMDadoda
 4/4/2018 5:09:27 PM

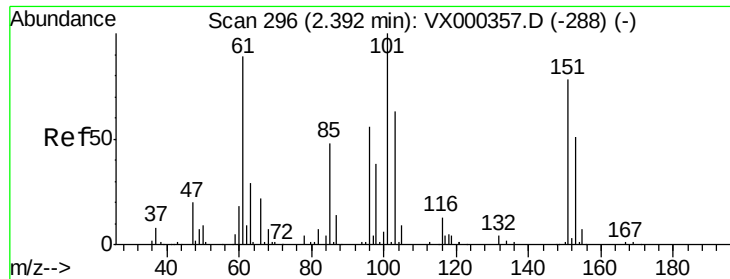


#8

Diethyl Ether
 Concen: 45.85 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.01 min
 Lab File: VX000633.D
 Acq: 02 Apr 2018 11:13

Tgt Ion: 74 Resp: 57561
 Ion Ratio Lower Upper
 74 100
 45 91.4 45.1 135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.90 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Instrument :

MSVOA_X

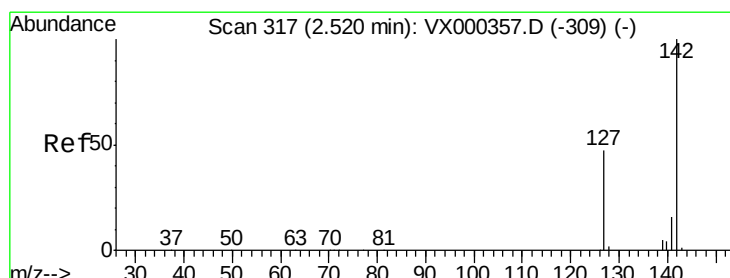
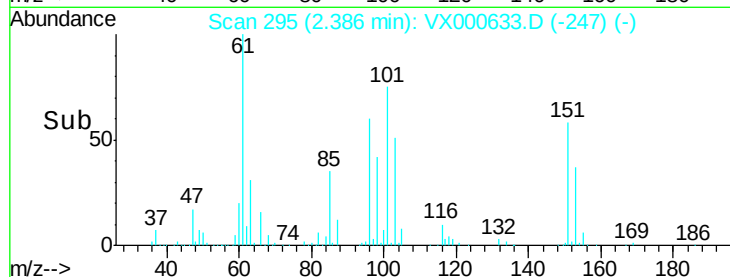
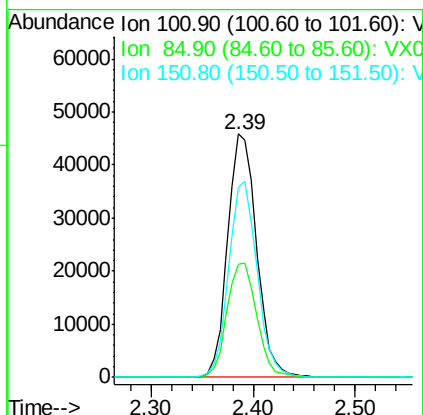
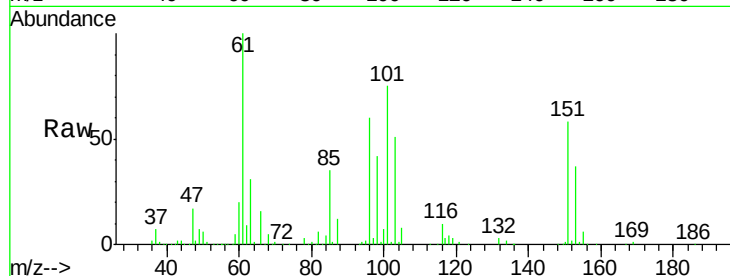
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	89915
Ion Ratio	Lower	Upper	
101	100		
85	48.3	37.6	56.4
151	79.2	62.6	93.8

Manual Integrations
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#10

Methyl Iodide

Concen: 29.51 ug/l

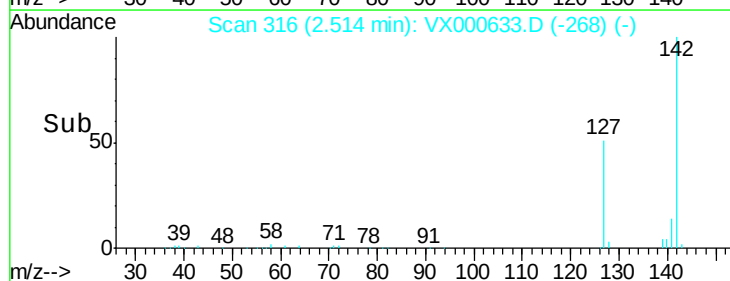
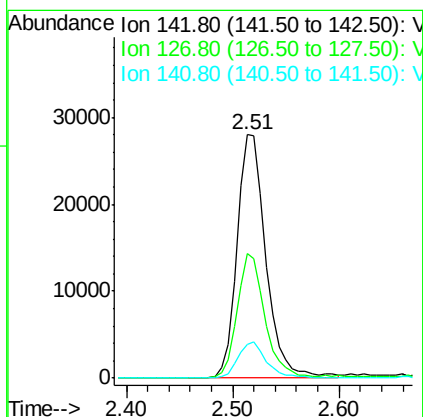
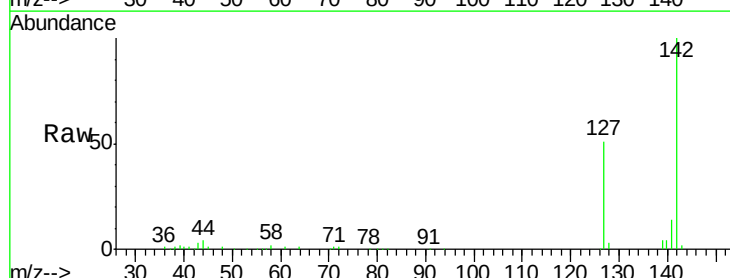
RT: 2.51 min Scan# 316

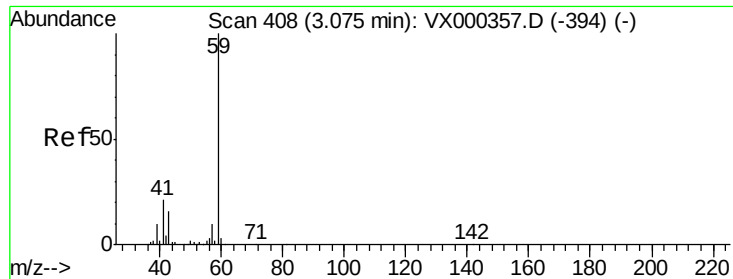
Delta R.T. -0.01 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Tgt Ion:	142	Resp:	53566
Ion Ratio	Lower	Upper	
142	100		
127	48.8	39.2	58.8
141	14.8	11.7	17.5





#11

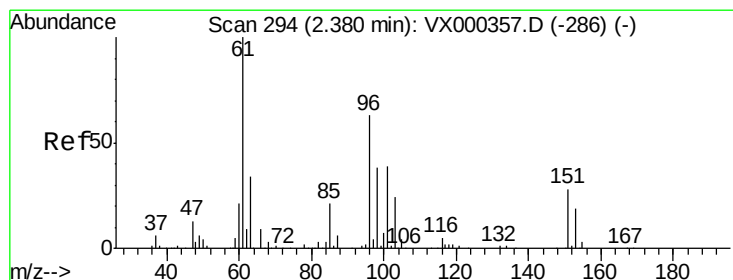
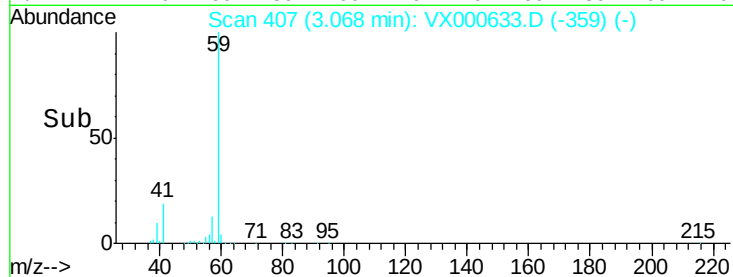
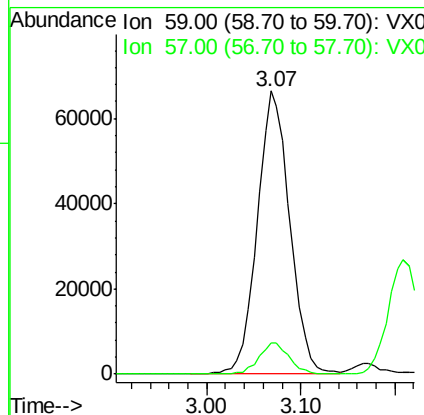
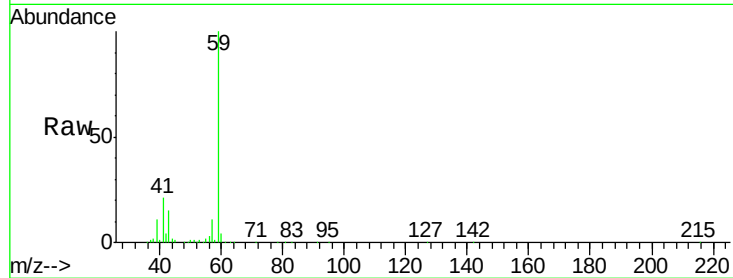
Tert butyl alcohol
Concen: 225.87 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tgt Ion: 59 Resp: 160913
Ion Ratio Lower Upper
59 100
57 10.5 8.4 12.6

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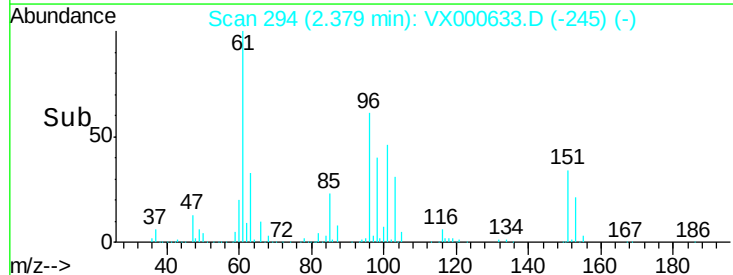
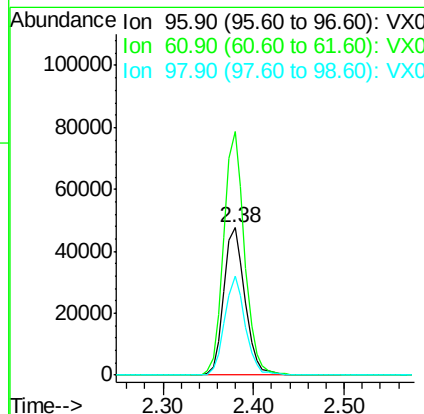
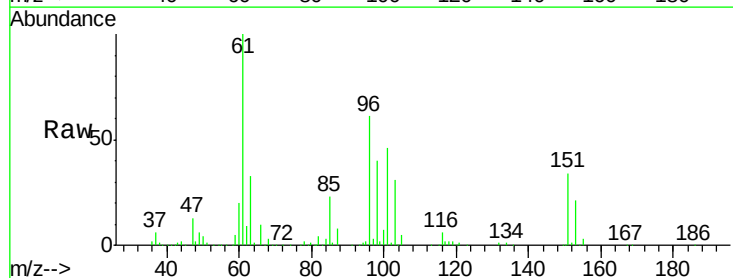
MMDadoda
4/4/2018 5:09:27 PM

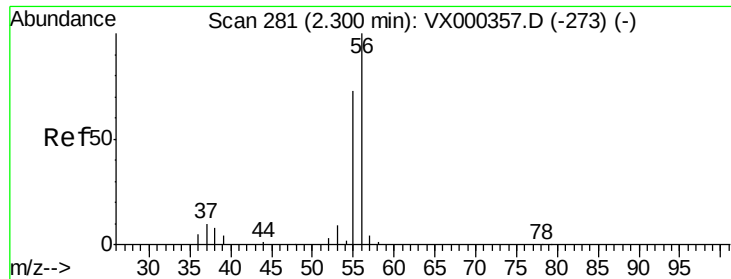


#12

1,1-Dichloroethene
Concen: 45.42 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Tgt Ion: 96 Resp: 78106
Ion Ratio Lower Upper
96 100
61 165.0 131.2 196.8
98 66.7 49.8 74.8





#13

Acrolein

Concen: 270.39 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 61790

Ion Ratio Lower Upper

56 100

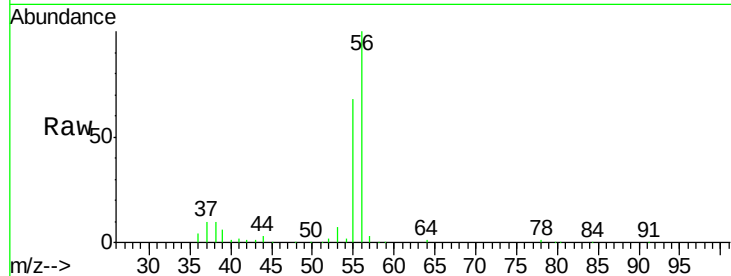
55 71.5 58.8 88.2

Manual Integrations

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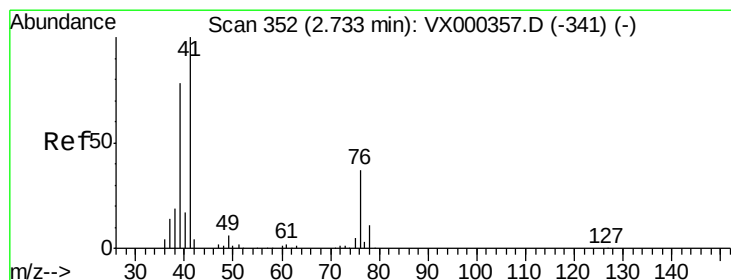
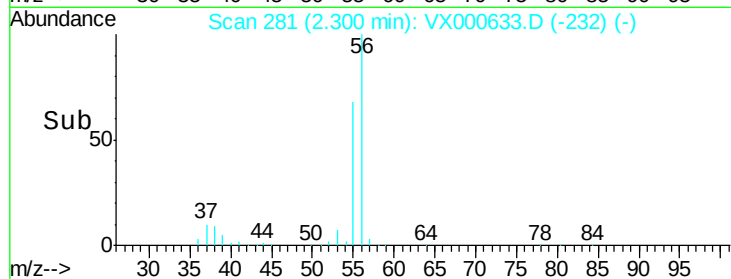
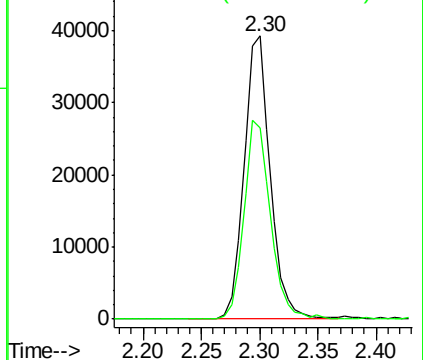
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 45.93 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

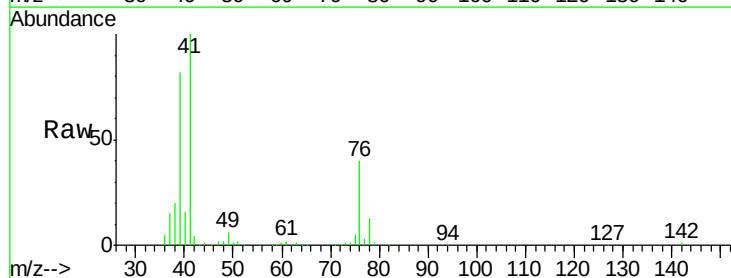
Tgt Ion: 41 Resp: 139524

Ion Ratio Lower Upper

41 100

39 71.5 57.6 86.4

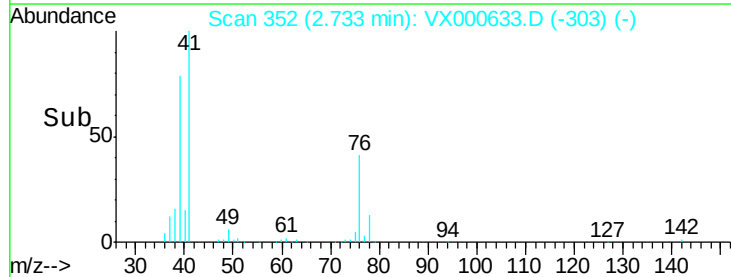
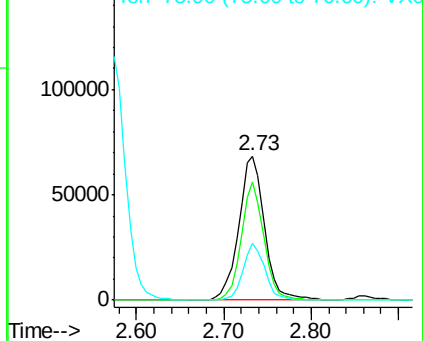
76 33.3 27.3 40.9

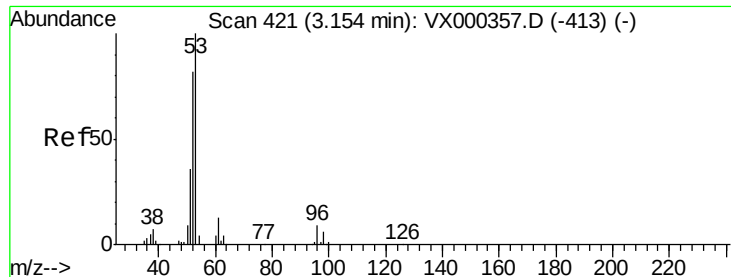


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 225.84 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Instrument :

MSVOA_X

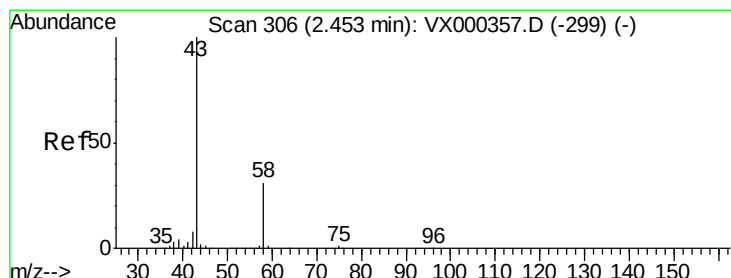
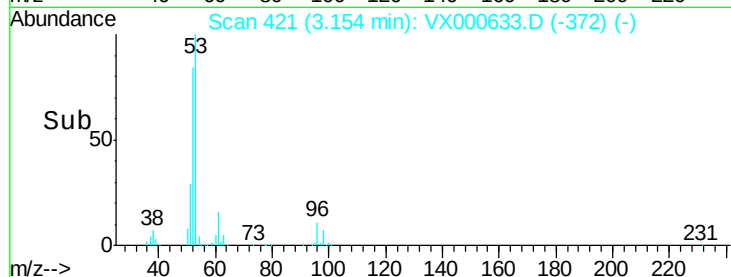
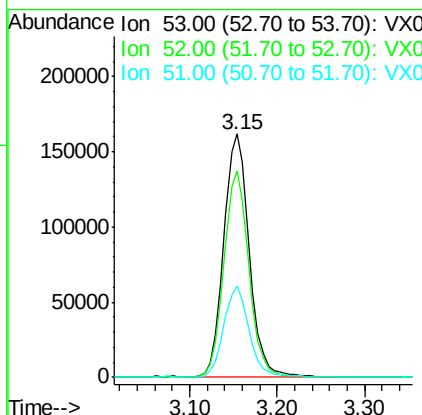
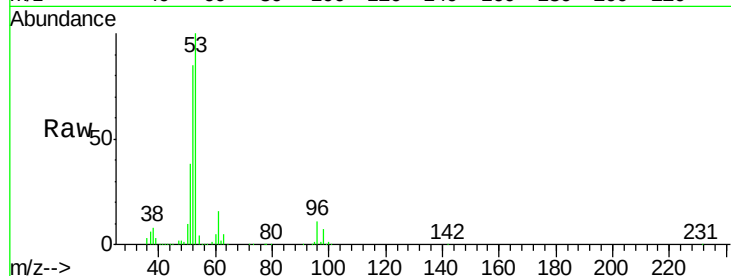
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	325864
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.6	99.8
51	37.4	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 237.62 ug/l

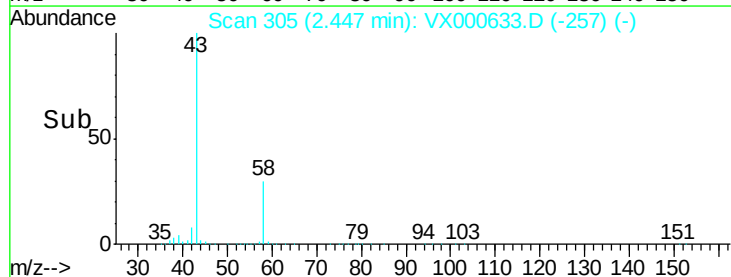
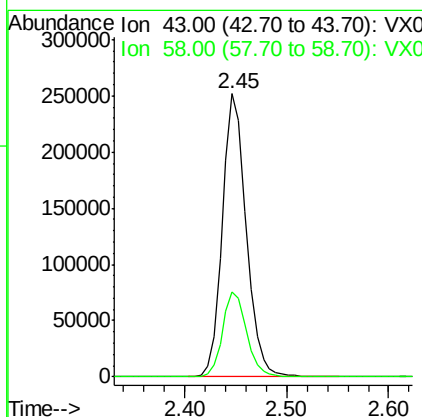
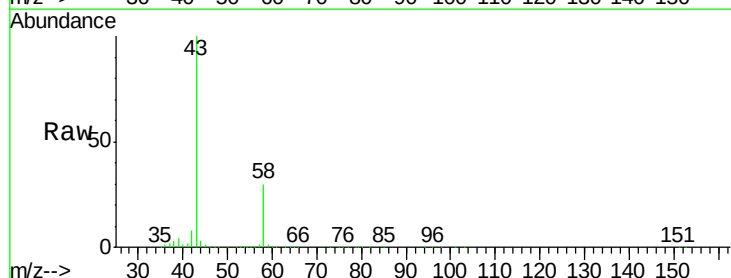
RT: 2.45 min Scan# 305

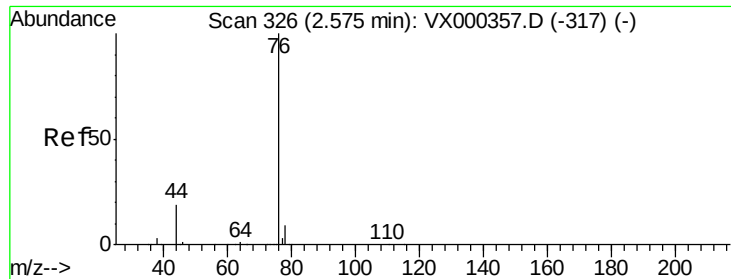
Delta R.T. -0.01 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Tgt Ion:	43	Resp:	409395
Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.7	37.1





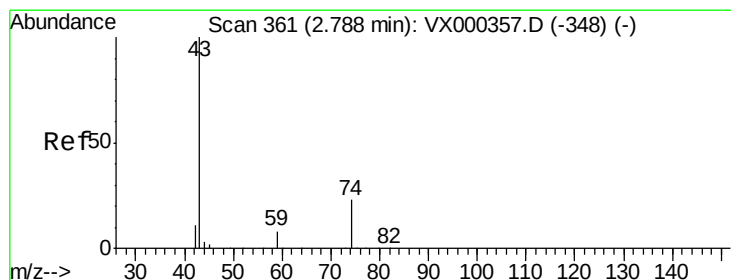
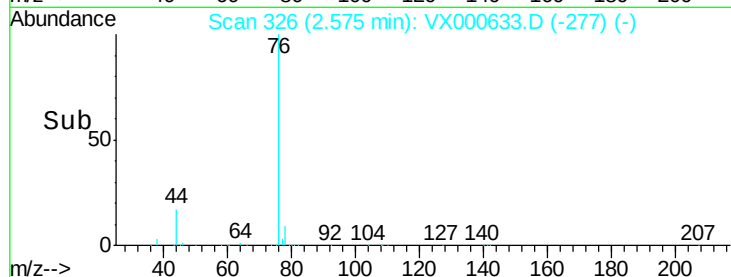
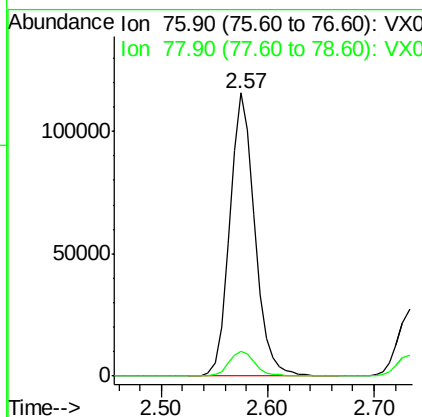
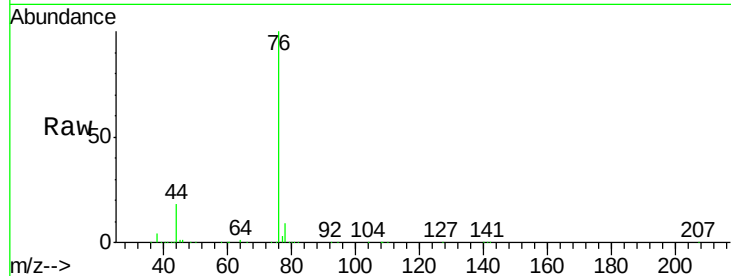
#17
Carbon Disulfide
Concen: 41.85 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

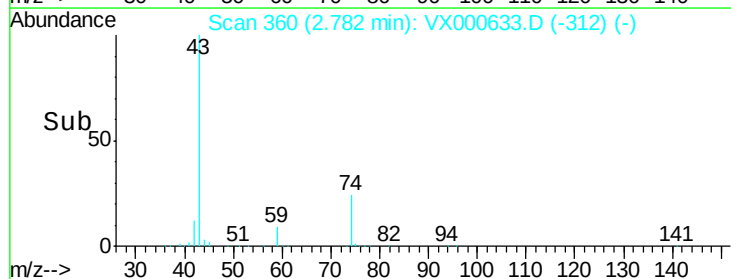
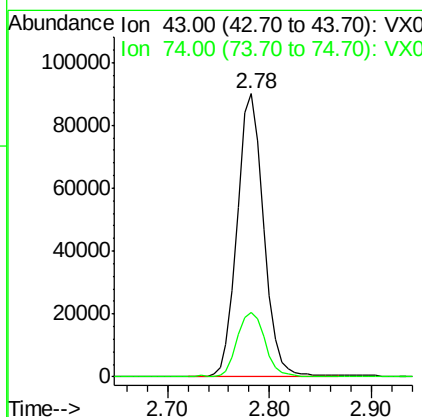
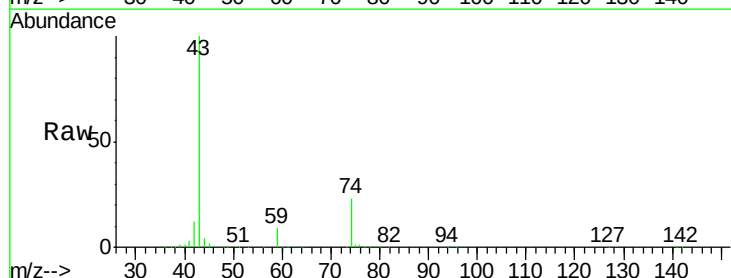
Manual Integrations
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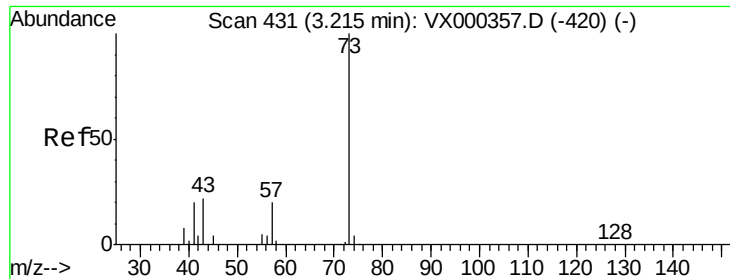
MMDadoda
4/4/2018 5:09:27 PM



#18
Methyl Acetate
Concen: 44.58 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.01 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.4	29.2





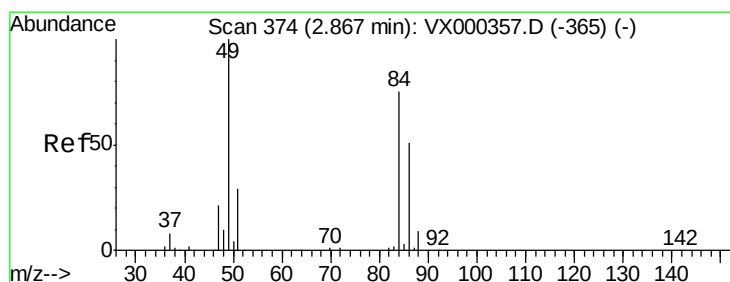
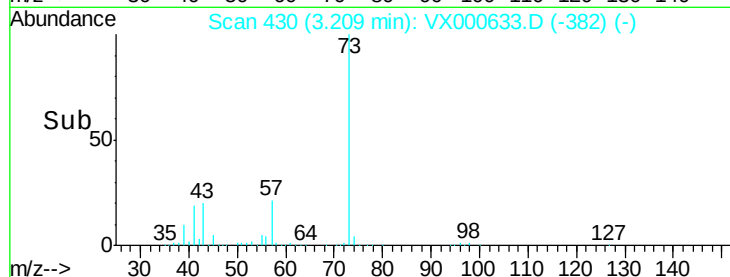
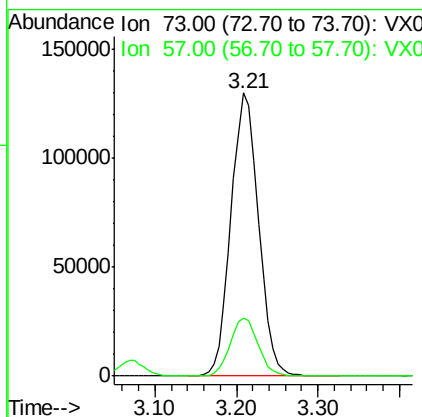
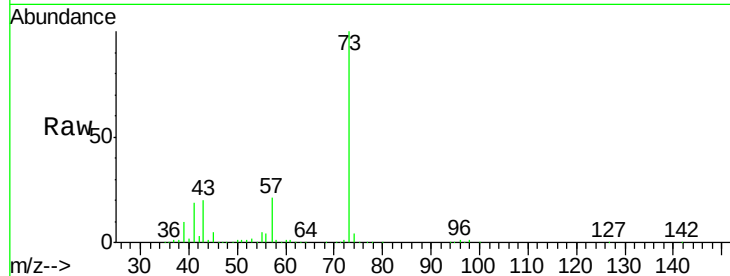
#19
Methyl tert-butyl Ether
Concen: 47.66 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tgt Ion: 73 Resp: 303158
Ion Ratio Lower Upper
73 100
57 20.6 17.2 25.8

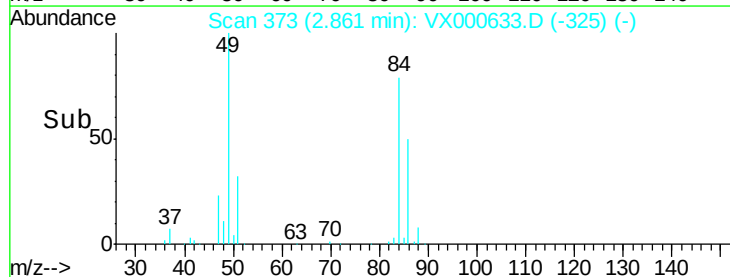
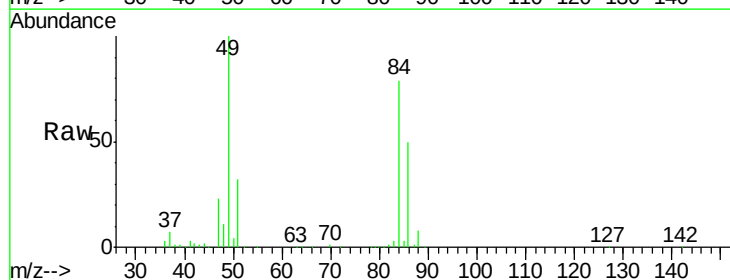
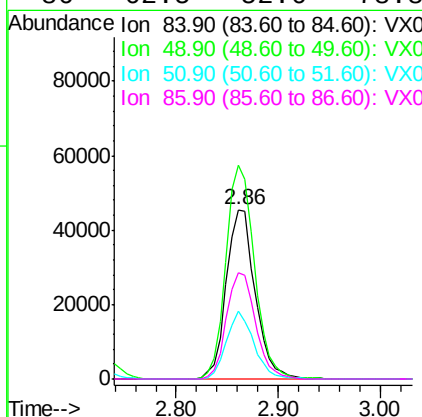
Manual Integrations
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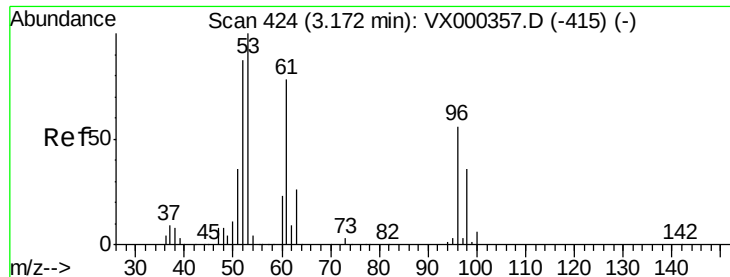
MMDadoda
4/4/2018 5:09:27 PM



#20
Methylene Chloride
Concen: 44.60 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Tgt Ion: 84 Resp: 88755
Ion Ratio Lower Upper
84 100
49 126.1 100.6 151.0
51 39.8 31.6 47.4
86 62.5 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 45.57 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Instrument :

MSVOA_X

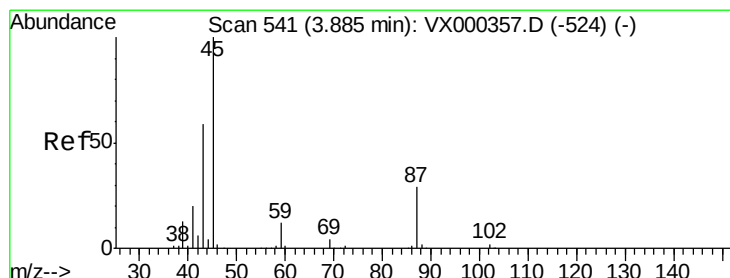
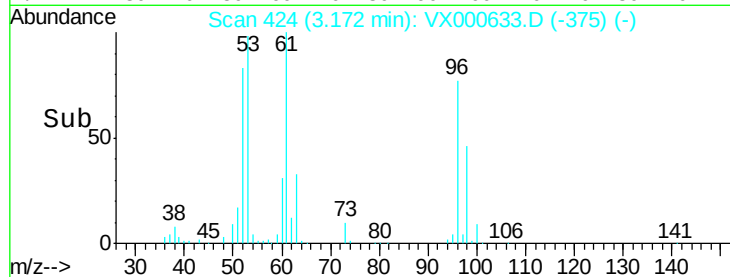
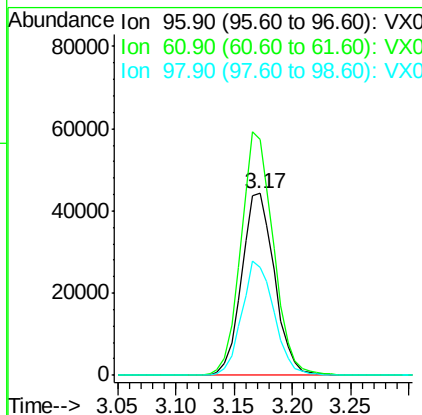
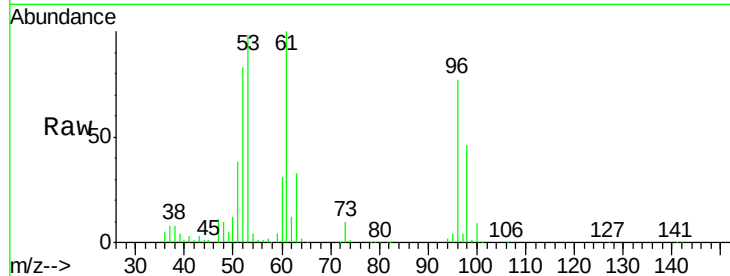
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	87420
Ion	Ratio	Lower	Upper
96	100		
61	129.9	104.0	156.0
98	59.3	52.1	78.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.54 ug/l

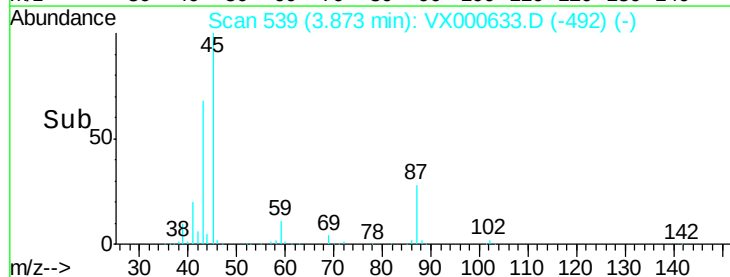
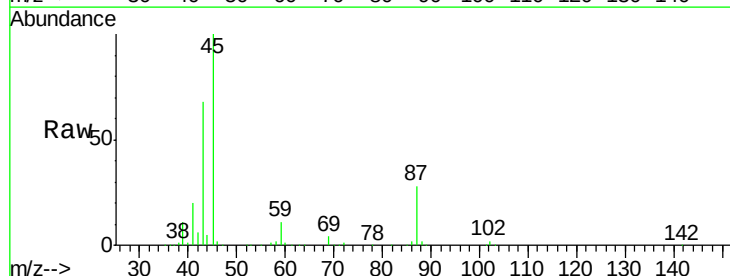
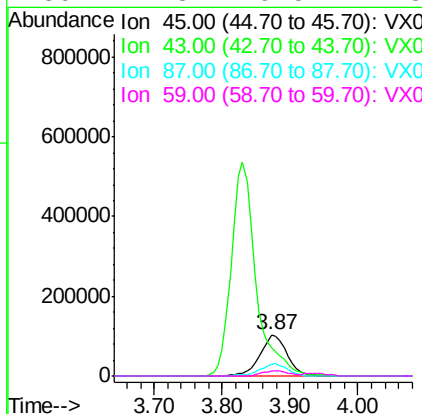
RT: 3.87 min Scan# 539

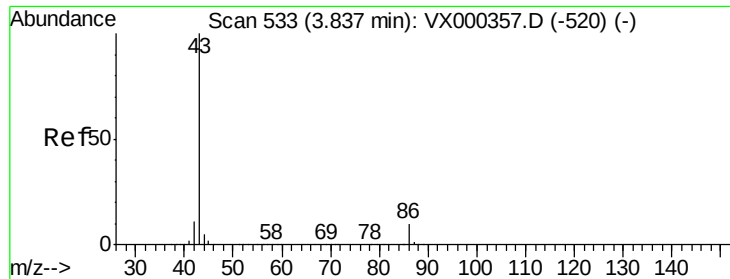
Delta R.T. -0.01 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Tgt Ion:	45	Resp:	282459
Ion	Ratio	Lower	Upper
45	100		
43	68.2	53.9	80.9
87	28.3	22.6	34.0
59	11.3	9.5	14.3





#23

Vinyl Acetate

Concen: 266.83 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.01 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1359896

Ion Ratio Lower Upper

43 100

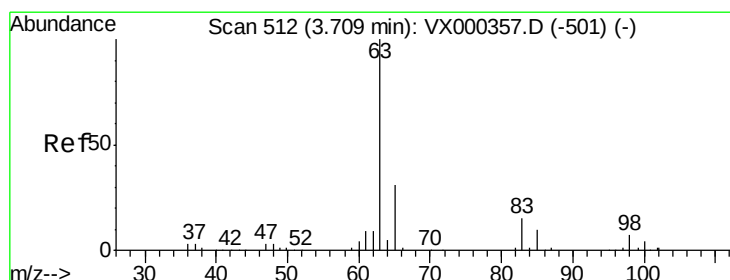
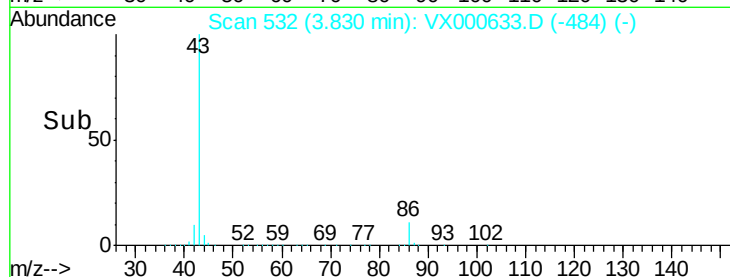
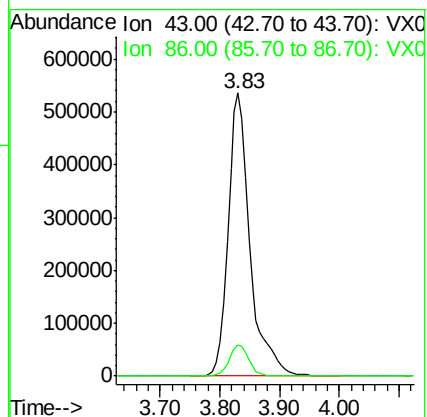
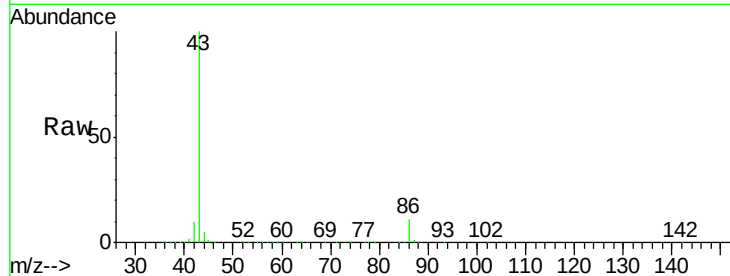
86 11.1 8.6 12.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 44.28 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.01 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

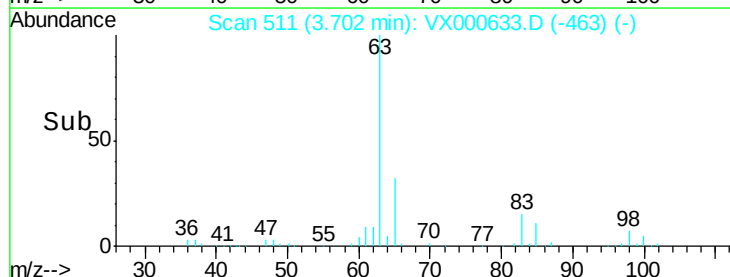
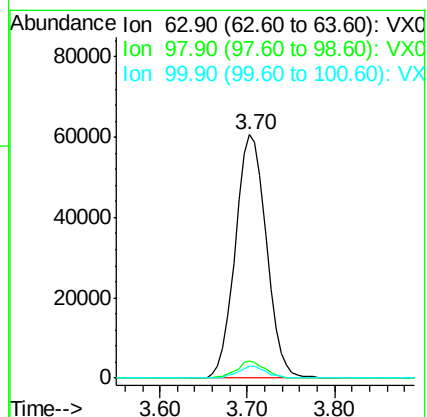
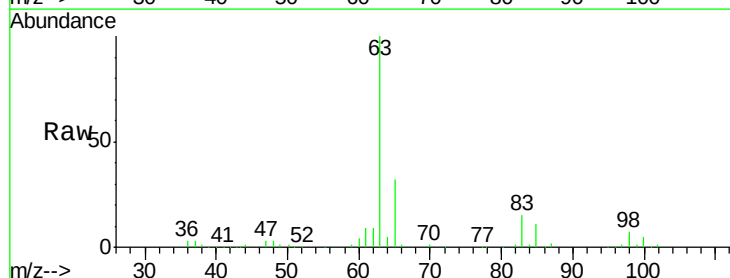
Tgt Ion: 63 Resp: 149667

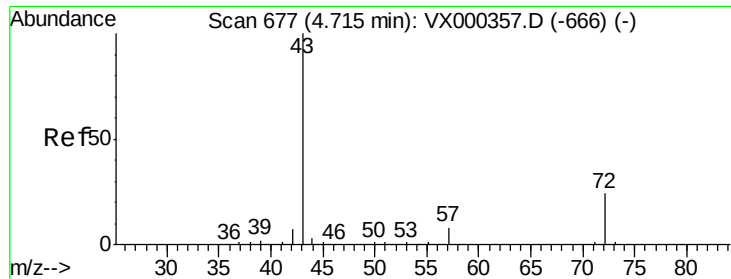
Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

100 4.8 2.0 5.8





#25

2-Butanone

Concen: 215.69 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 417698

Ion Ratio Lower Upper

43 100

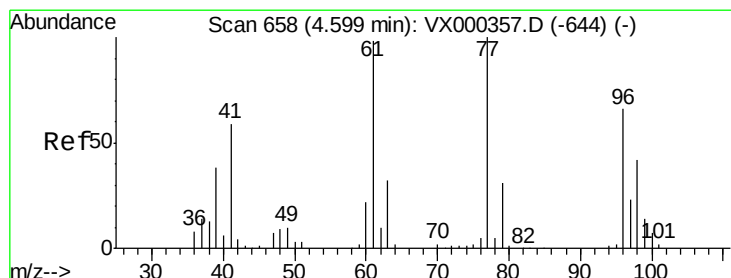
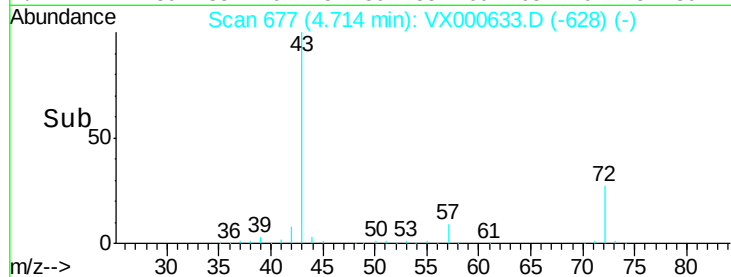
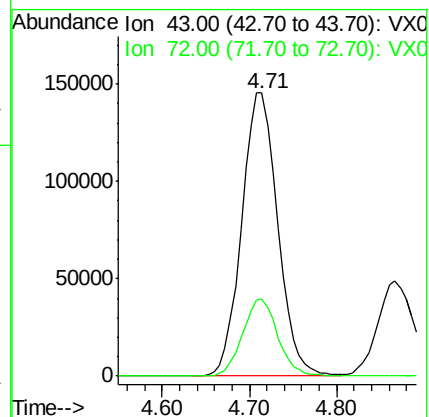
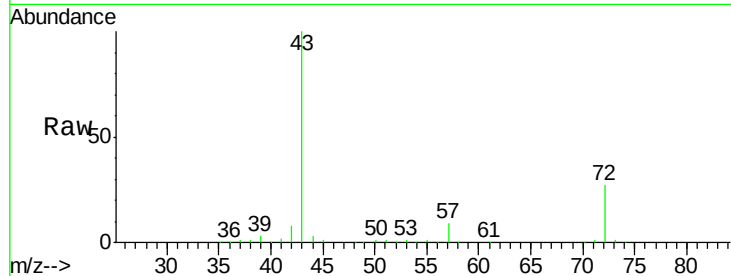
72 27.1 21.0 31.6

Manual Integrations

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MMDadoda

4/4/2018 5:09:27 PM



#26

2,2-Dichloropropane

Concen: 43.41 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX000633.D

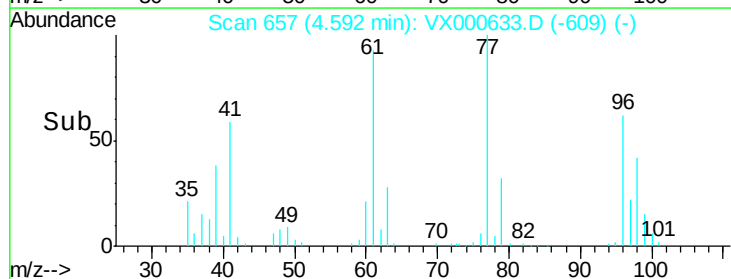
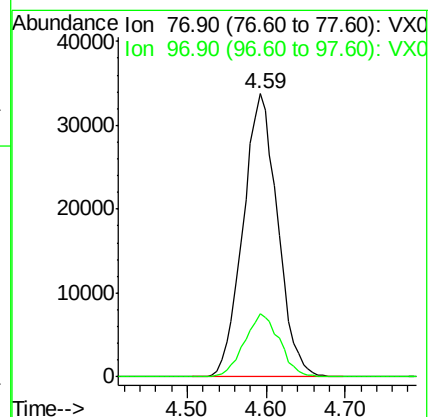
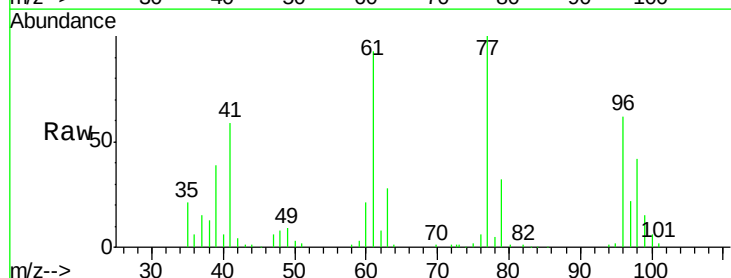
Acq: 02 Apr 2018 11:13

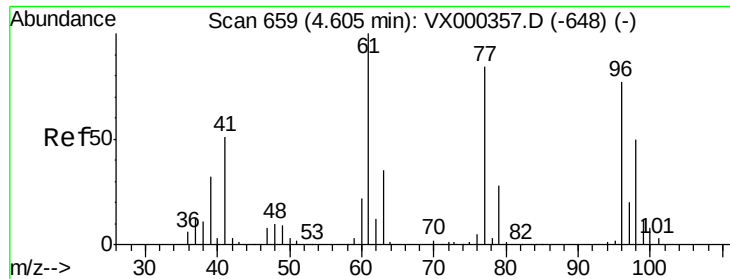
Tgt Ion: 77 Resp: 102834

Ion Ratio Lower Upper

77 100

97 22.6 11.3 33.8





#27

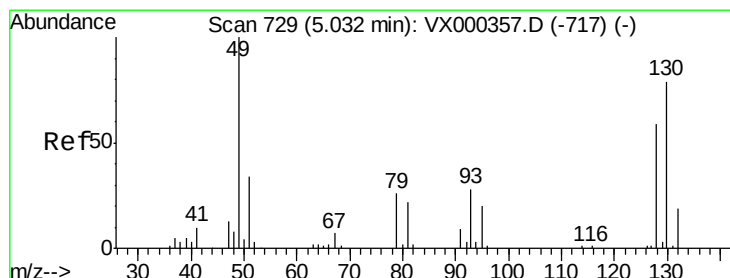
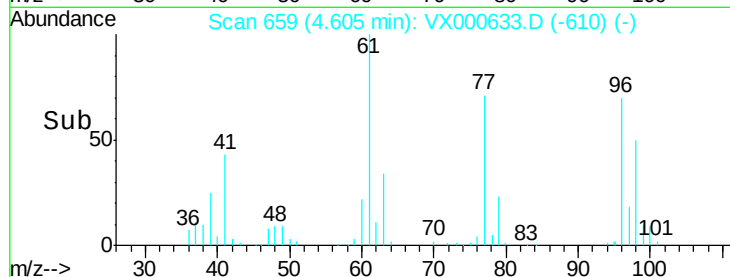
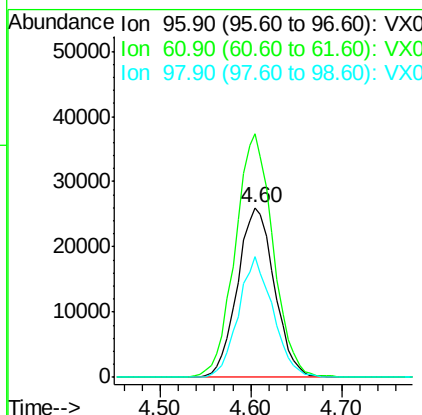
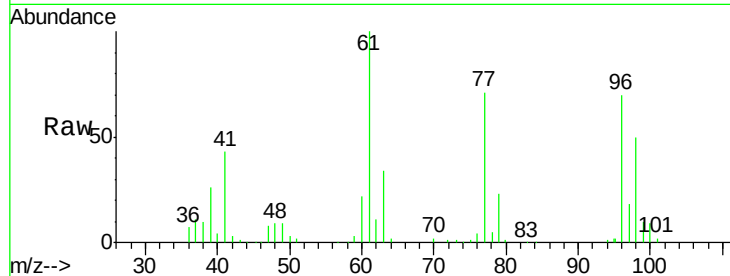
cis-1,2-Dichloroethene
Concen: 41.00 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.7	0.0	291.6
98	66.5	0.0	132.0

Manual Integrations
APPROVED

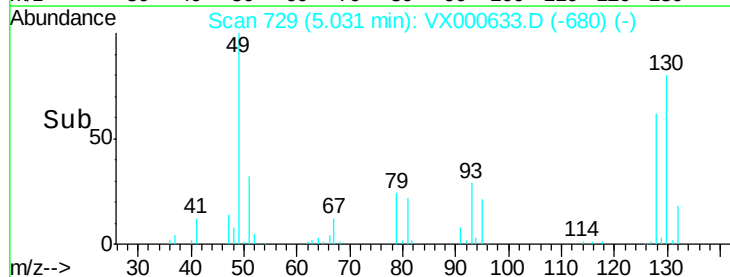
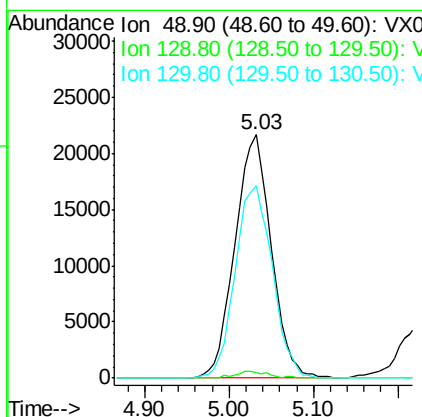
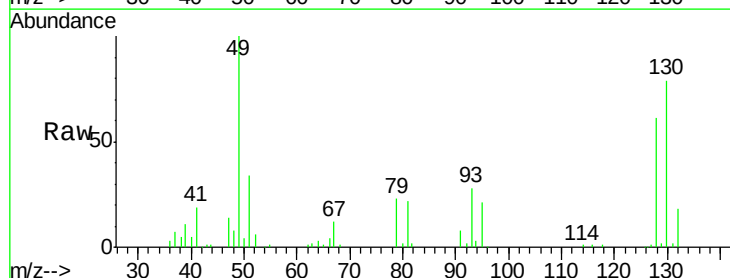
MMDadoda
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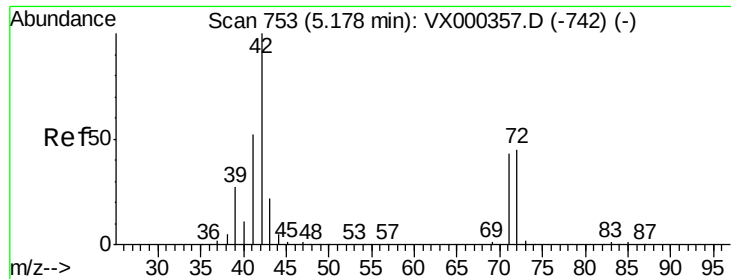


#28

Bromochloromethane
Concen: 45.40 ug/l
RT: 5.03 min Scan# 729
Delta R.T. -0.00 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	5.0
130	81.0	64.0	96.0





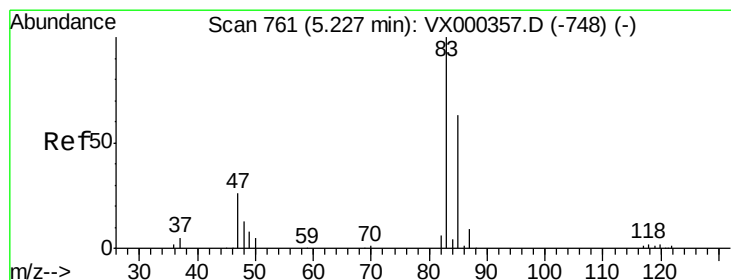
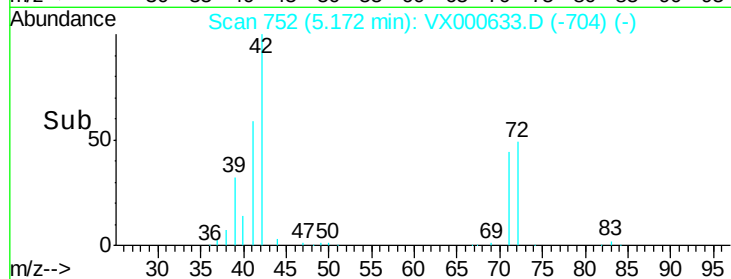
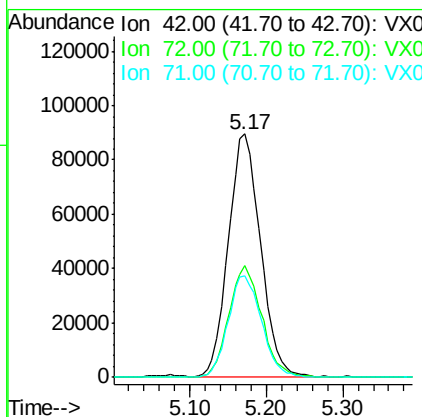
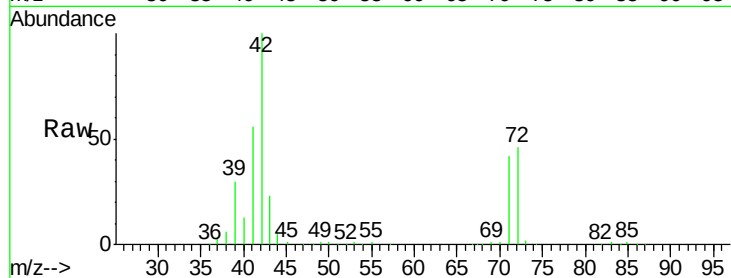
#29
Tetrahydrofuran
Concen: 219.20 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.9	56.9
71	43.2	34.4	51.6

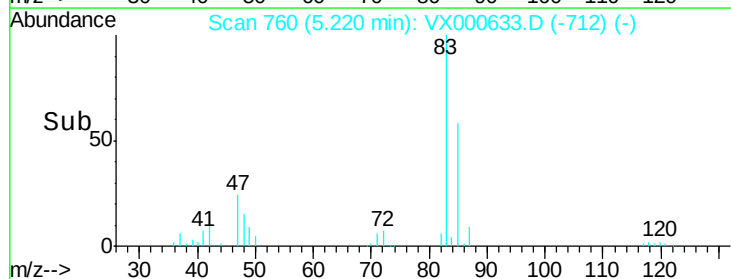
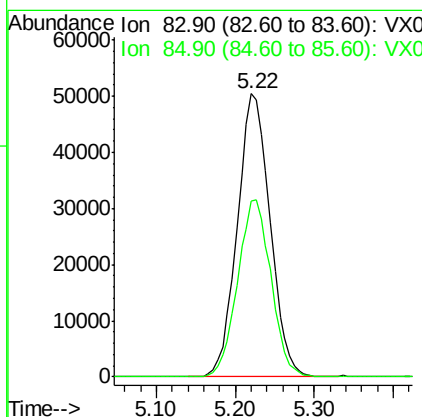
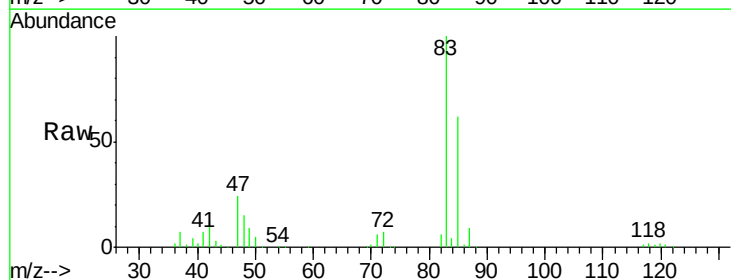
Manual Integrations
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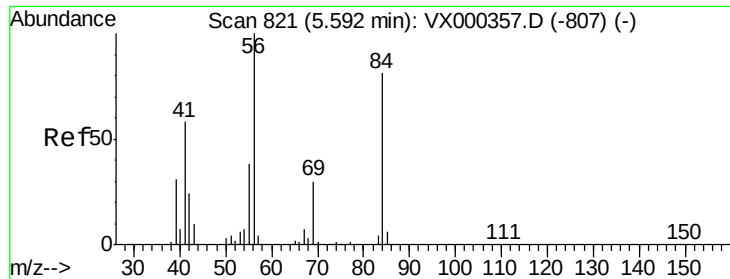
MMDadoda
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#30
Chloroform
Concen: 46.02 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	53.3	79.9





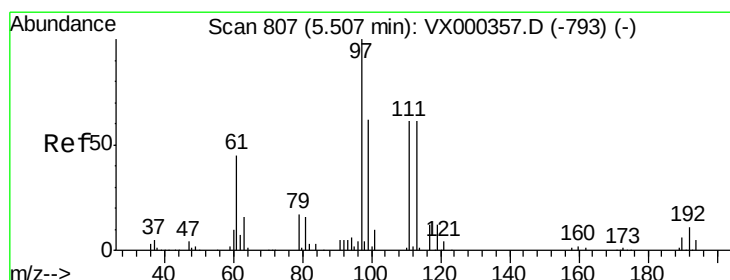
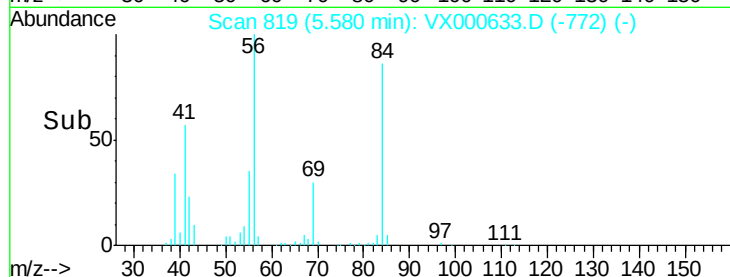
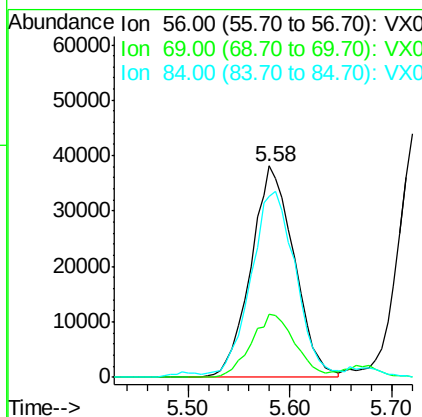
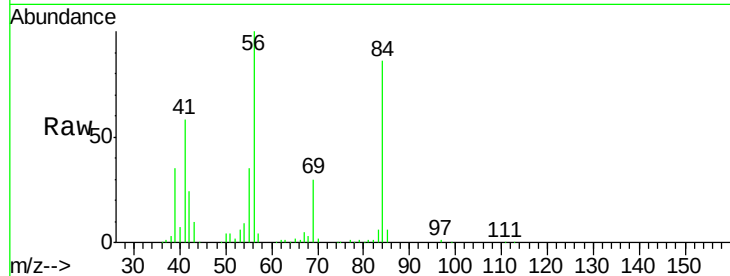
#31
Cyclohexane
Concen: 43.00 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.01 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.4	35.0
84	83.7	71.0	106.4

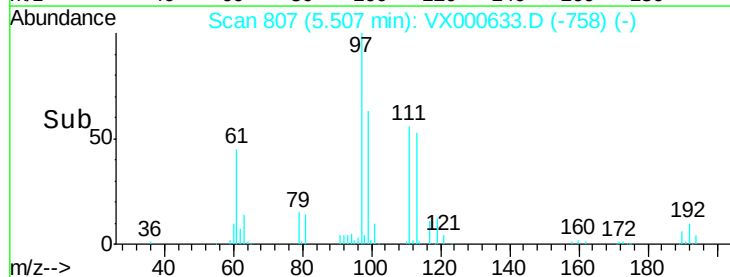
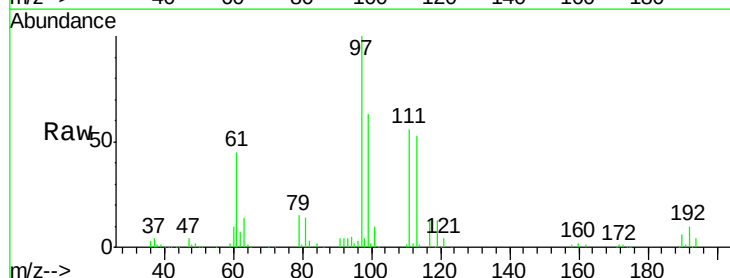
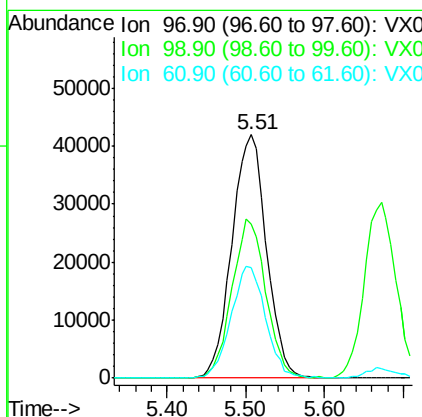
Manual Integrations
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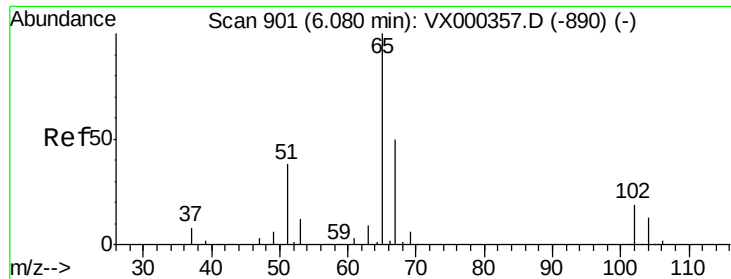
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 44.81 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.1	78.1
61	46.0	36.2	54.4





#33

1,2-Dichloroethane-d4

Concen: 40.79 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Tgt Ion: 65 Resp: 84478

Ion Ratio Lower Upper

65 100

67 51.0 0.0 103.2

Instrument :

MSVOA_X

ClientSampleId :

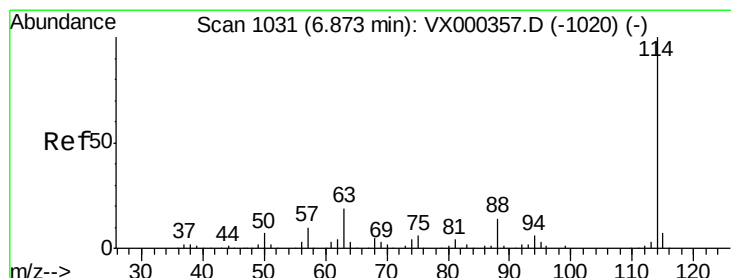
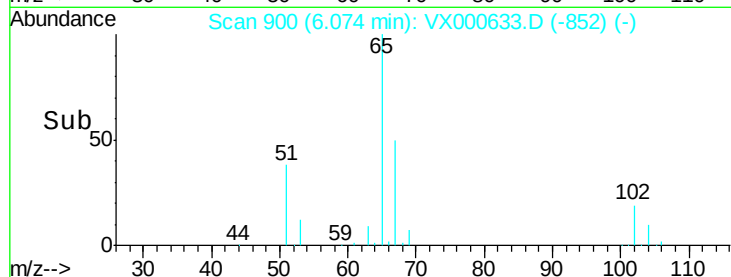
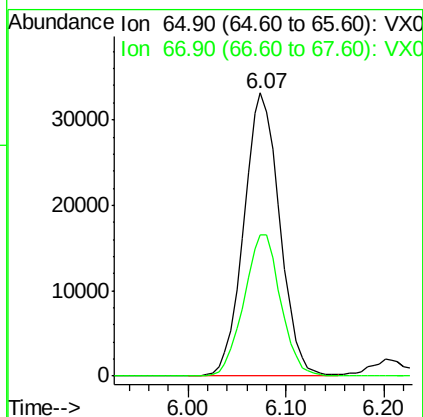
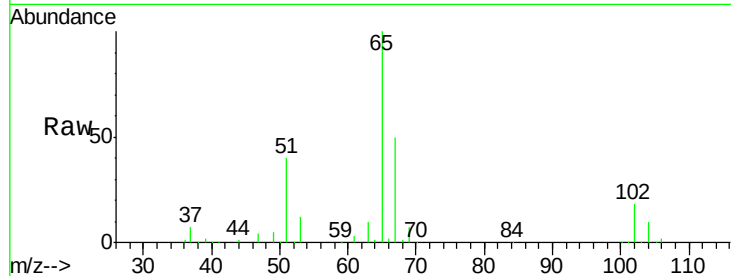
VSTDCCC050

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

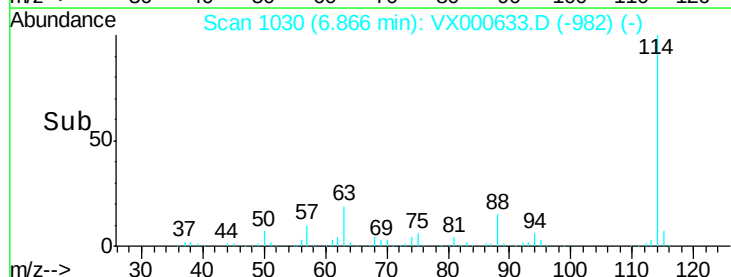
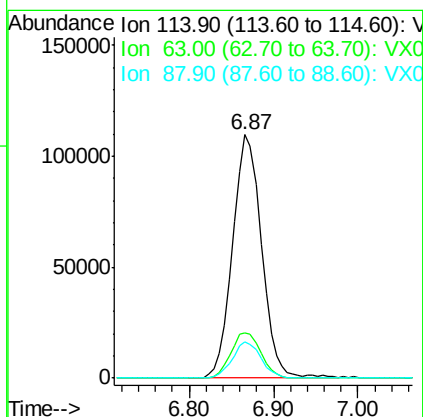
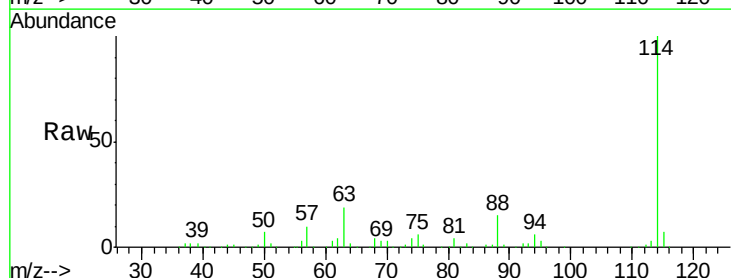
Tgt Ion: 114 Resp: 255527

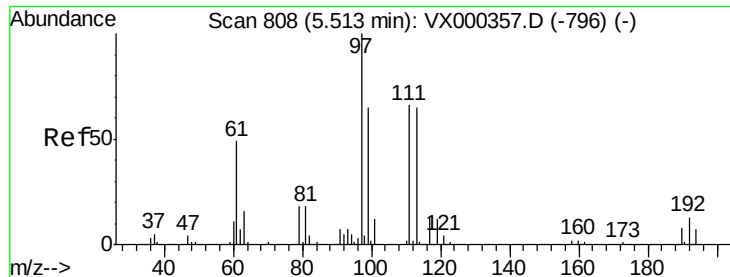
Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

88 14.9 0.0 27.0





#35

Dibromofluoromethane

Concen: 40.50 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Instrument :

MSVOA_X

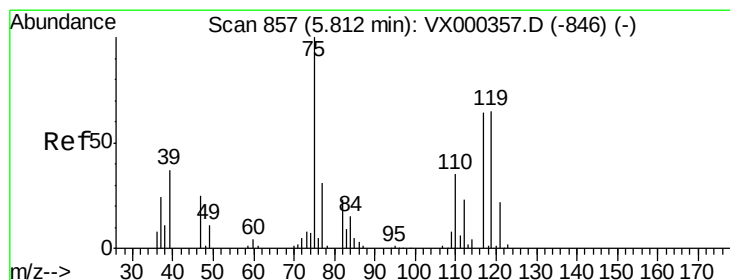
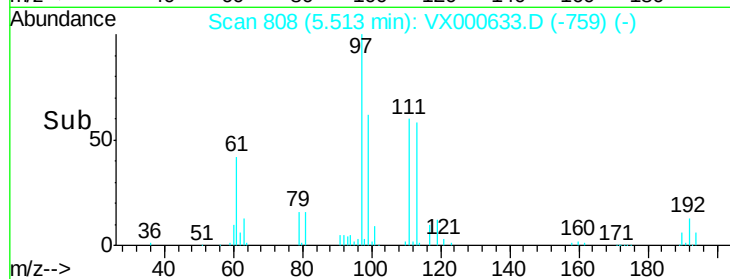
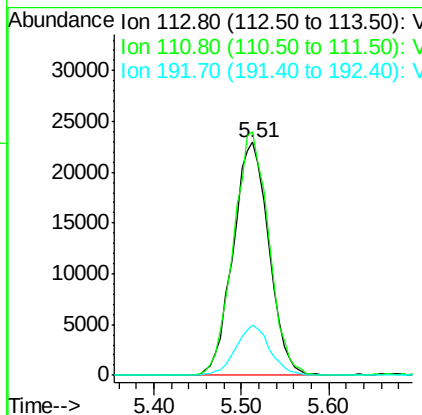
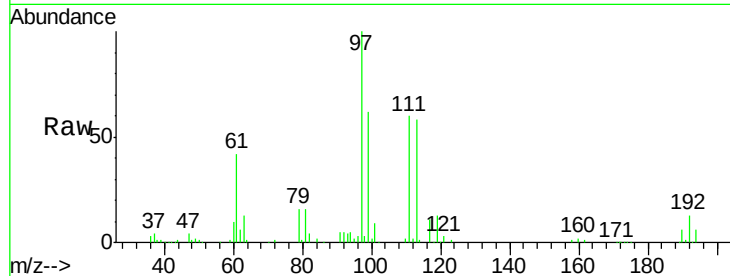
ClientSampleId :

VSTDCCC050

Tgt Ion:	113	Resp:	65213
Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.4	123.6
192	20.4	15.8	23.6

Manual Integrations
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4/4/2018 5:09:27 PM



#36

1,1-Dichloropropene

Concen: 43.46 ug/l

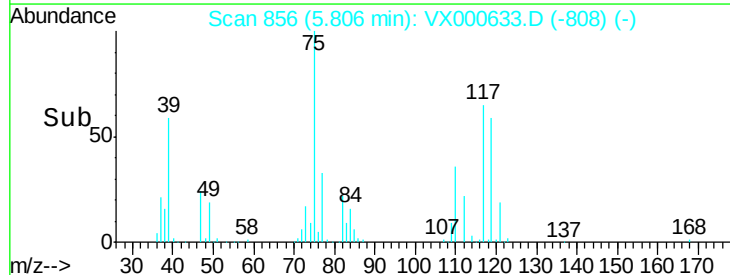
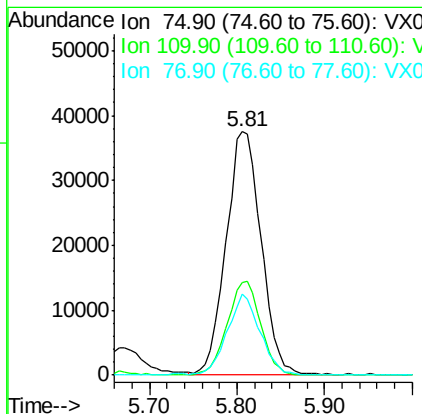
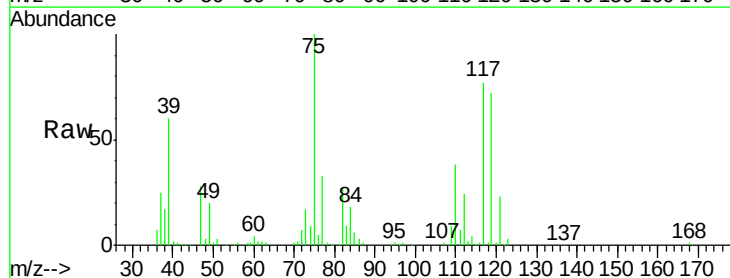
RT: 5.81 min Scan# 856

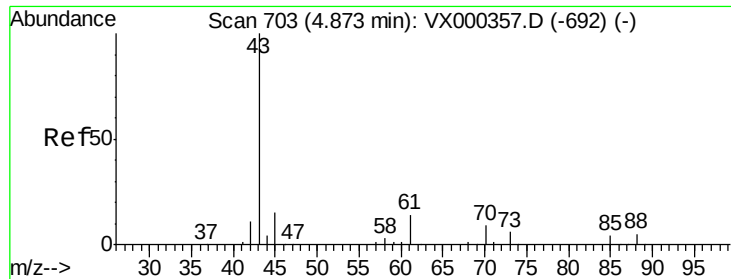
Delta R.T. -0.01 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Tgt Ion:	75	Resp:	104026
Ion	Ratio	Lower	Upper
75	100		
110	37.0	17.9	53.7
77	31.2	24.0	36.0





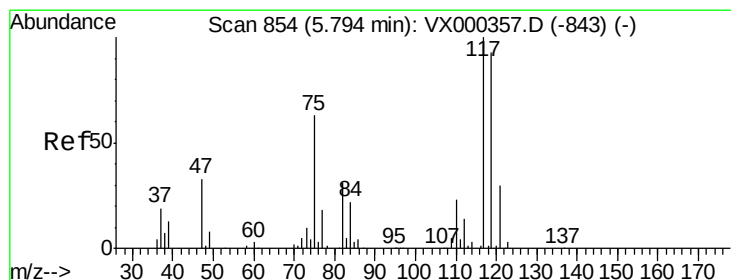
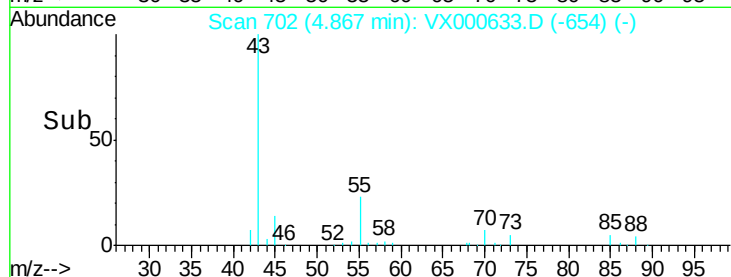
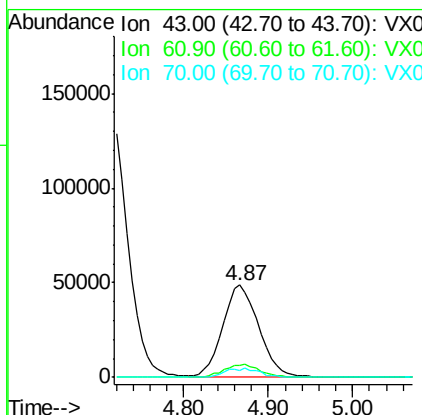
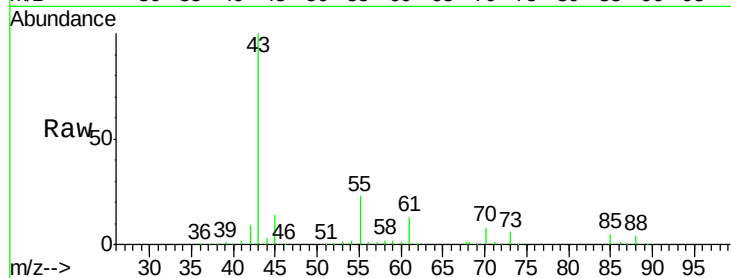
#37
Ethyl Acetate
Concen: 43.48 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.1	16.7
70	9.4	7.7	11.5

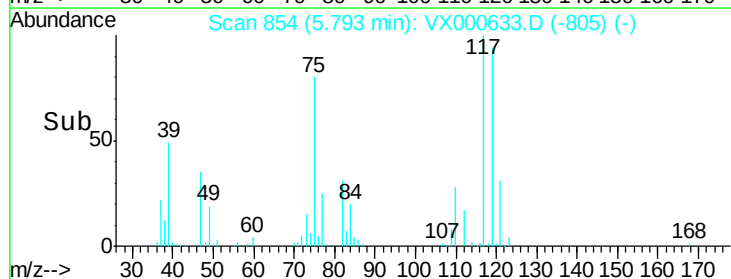
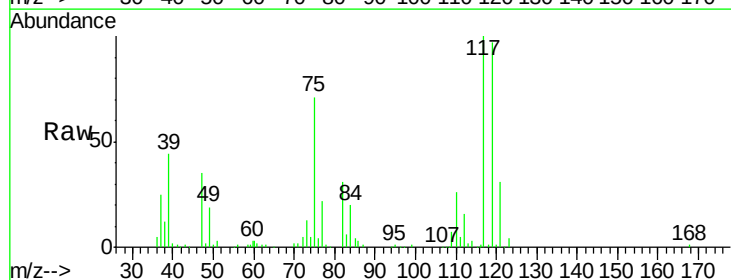
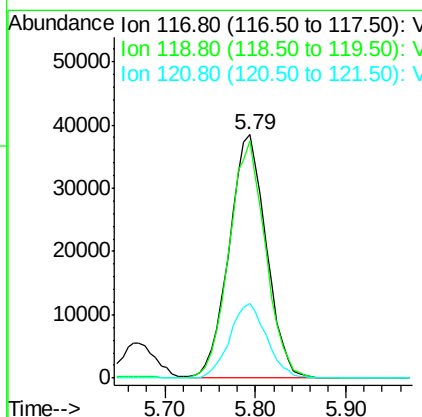
Manual Integrations
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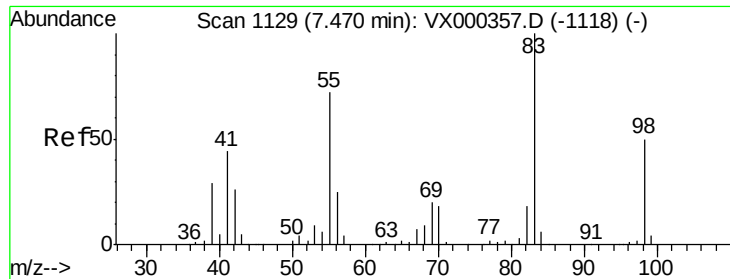
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4/4/2018 5:09:27 PM



#38
Carbon Tetrachloride
Concen: 43.73 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.00 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.4	116.2
121	30.8	24.8	37.2





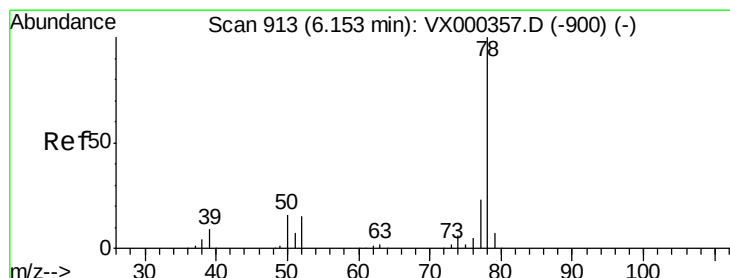
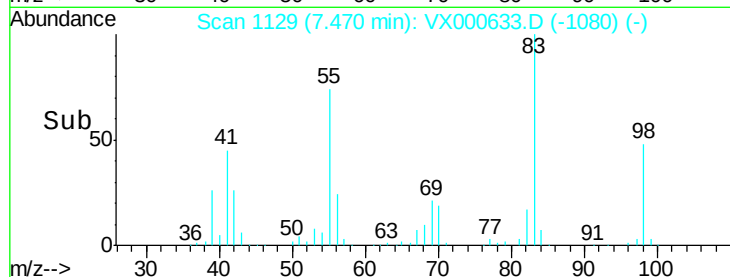
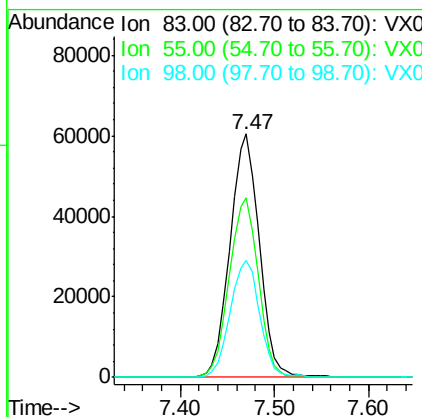
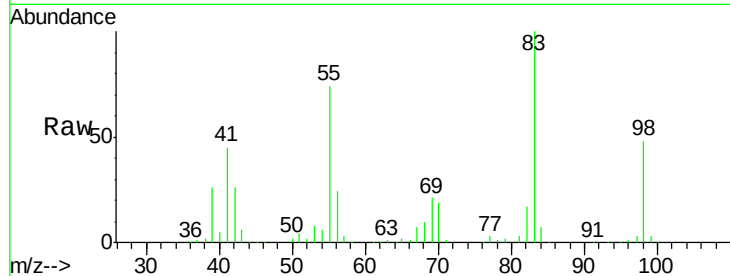
#39
Methylcyclohexane
Concen: 44.96 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.8	55.5	83.3
98	48.2	38.2	57.4

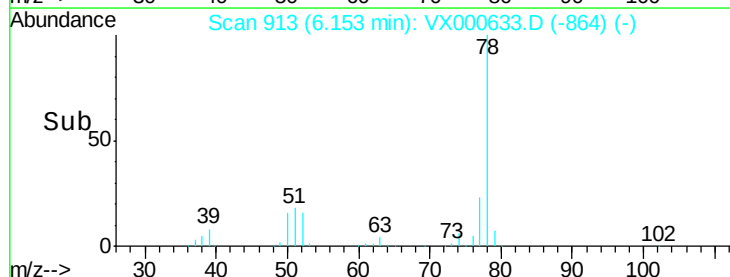
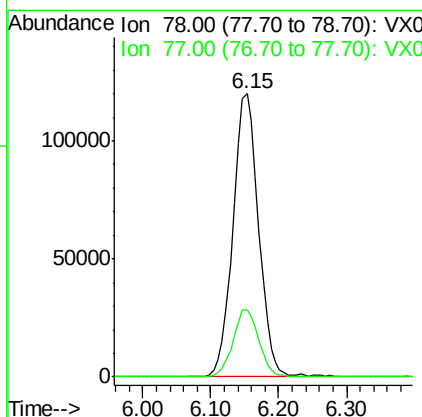
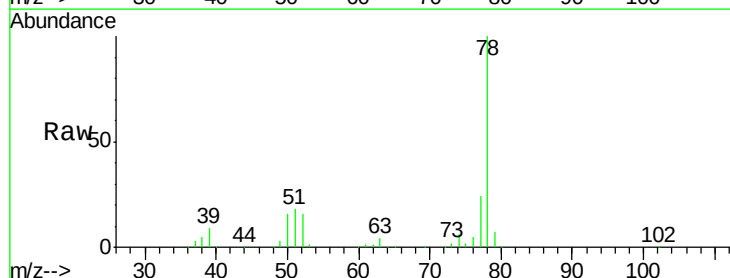
Manual Integrations
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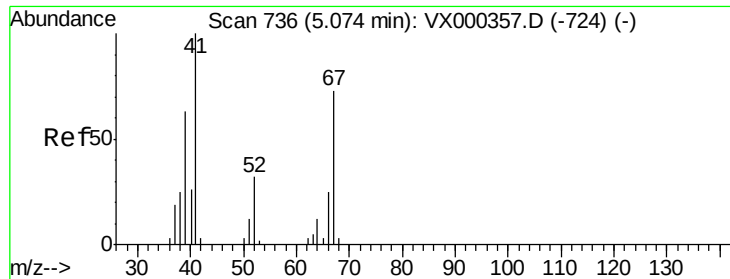
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#40
Benzene
Concen: 45.27 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.7	28.1





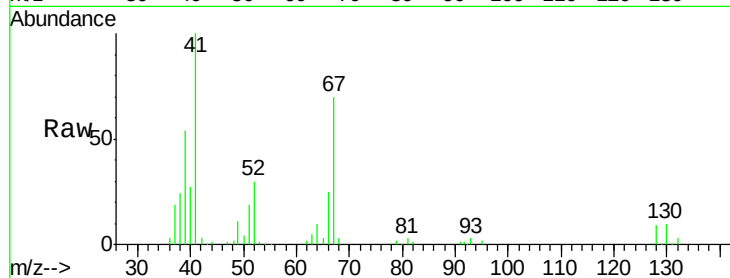
#41
Methacrylonitrile
Concen: 43.69 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

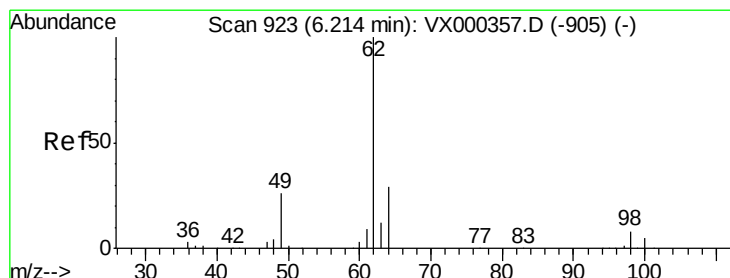
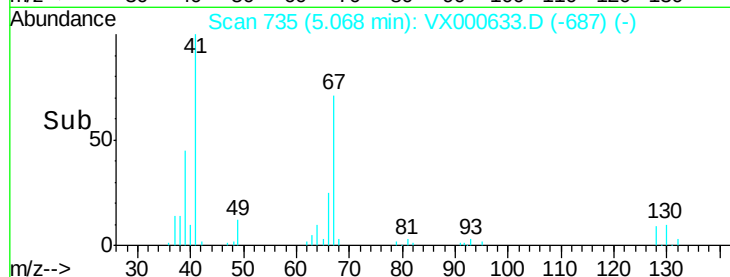
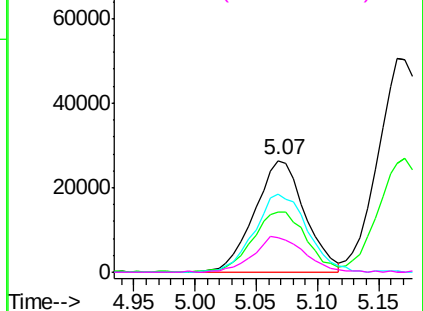
Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.5	45.7	68.5
67	73.9	57.8	86.8
52	31.1	26.7	40.1

Manual Integrations
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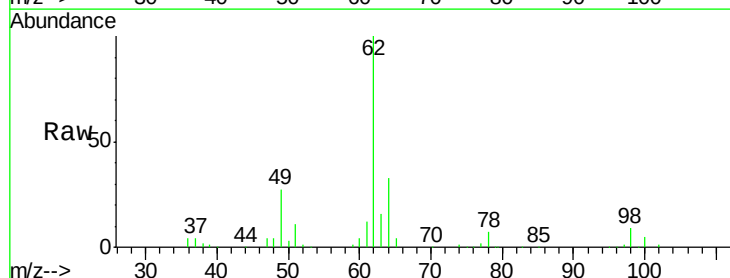


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

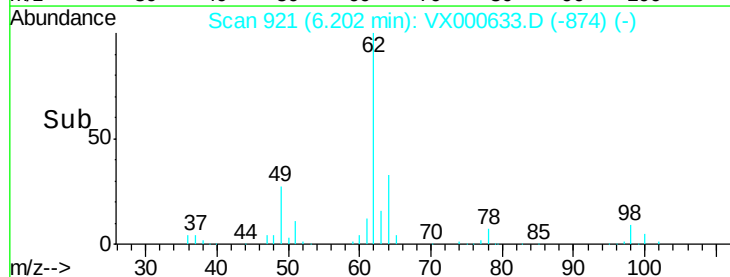
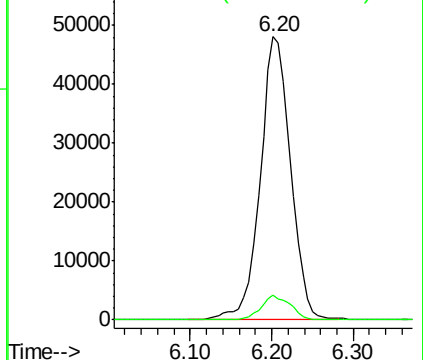


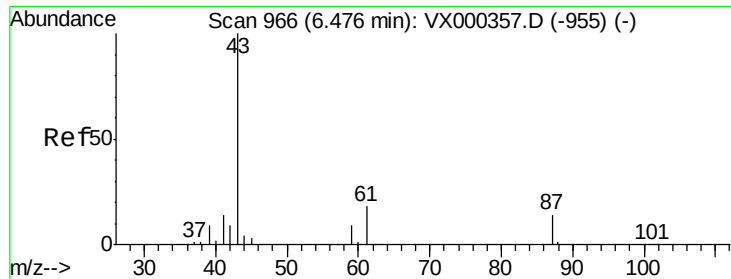
#42
1,2-Dichloroethane
Concen: 45.55 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	15.8



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





#43

Isopropyl Acetate

Concen: 46.72 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Instrument :

MSVOA_X

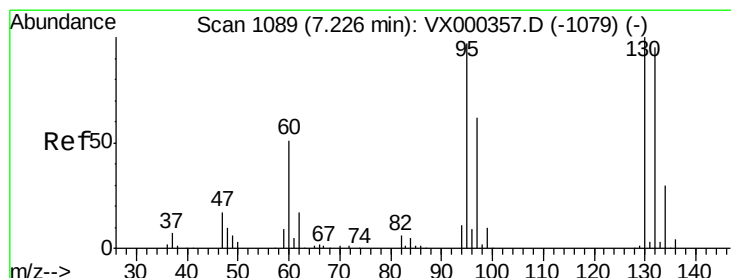
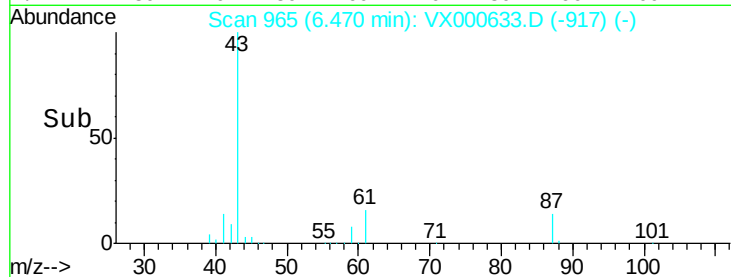
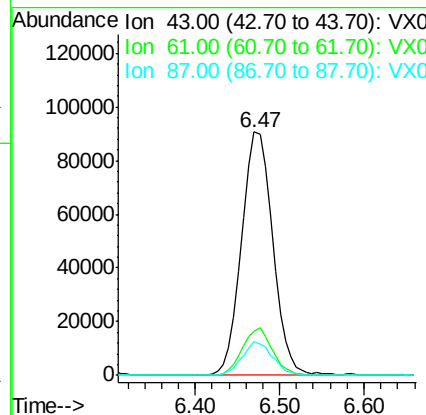
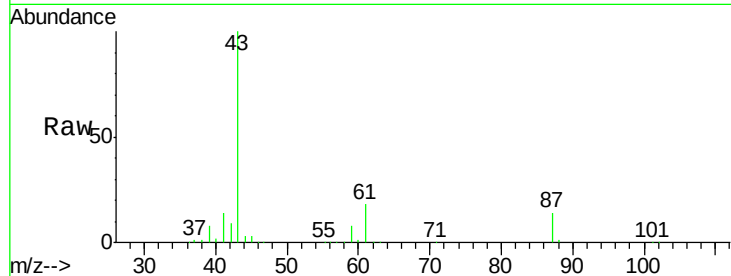
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	227371
Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.4	21.6
87	13.4	11.0	16.4

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#44

Trichloroethene

Concen: 46.62 ug/l

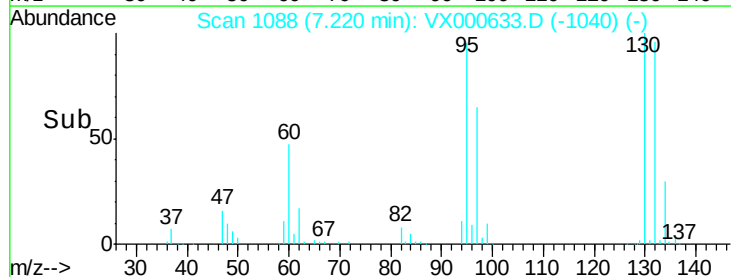
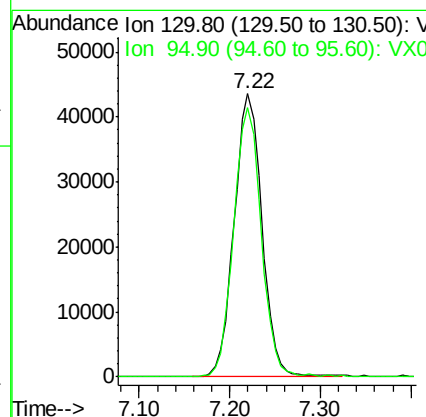
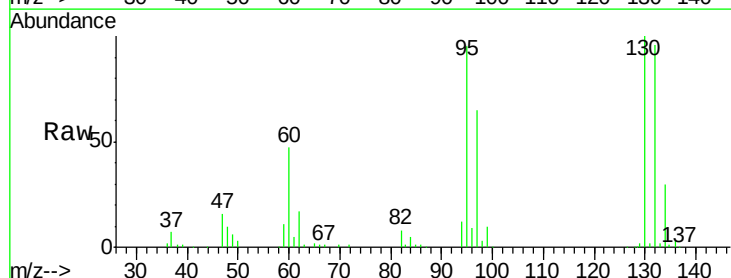
RT: 7.22 min Scan# 1088

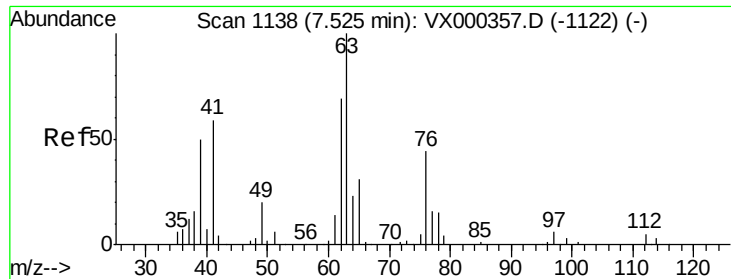
Delta R.T. -0.01 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Tgt Ion:	130	Resp:	92839
Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	186.0





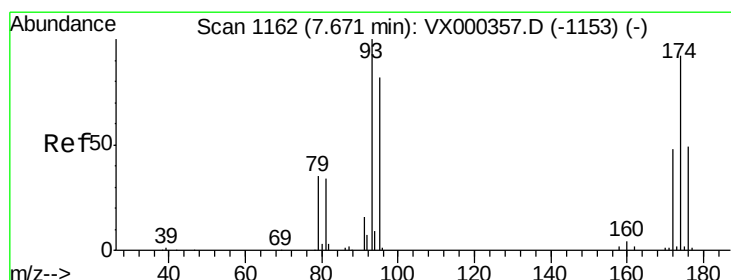
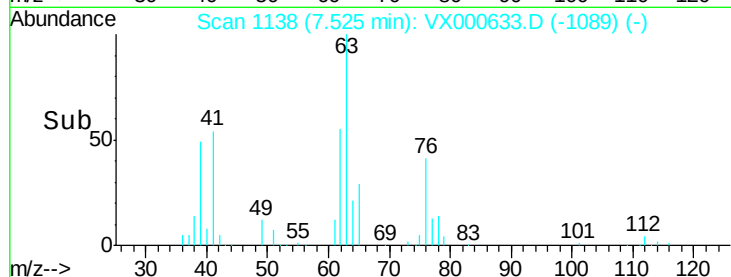
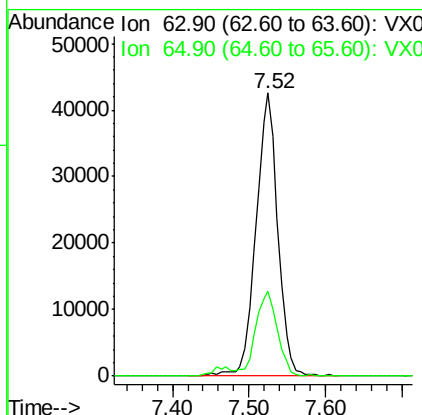
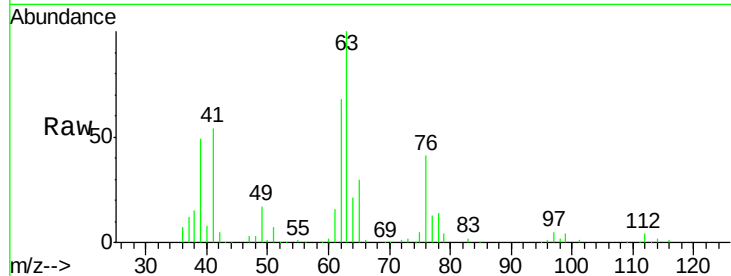
#45
 1,2-Dichloropropane
 Concen: 47.65 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000633.D
 Acq: 02 Apr 2018 11:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 84777
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.6 36.8

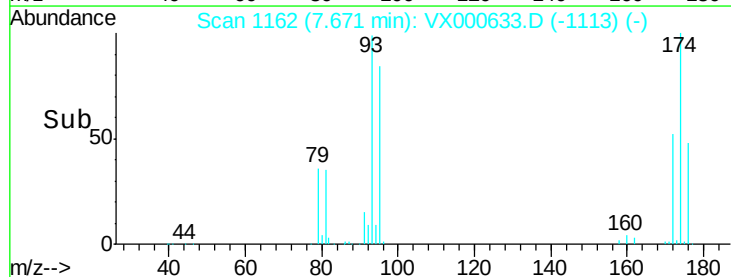
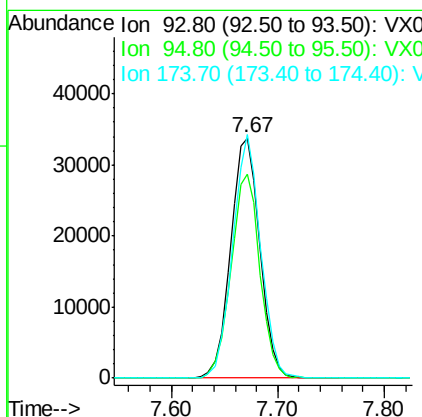
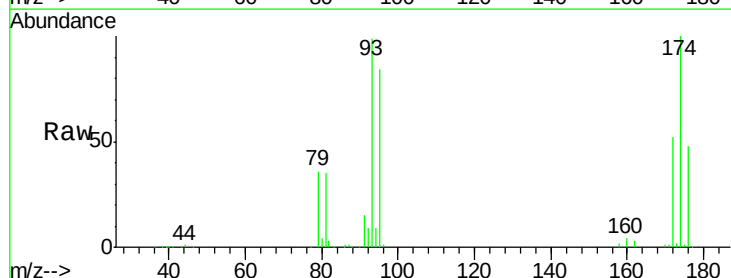
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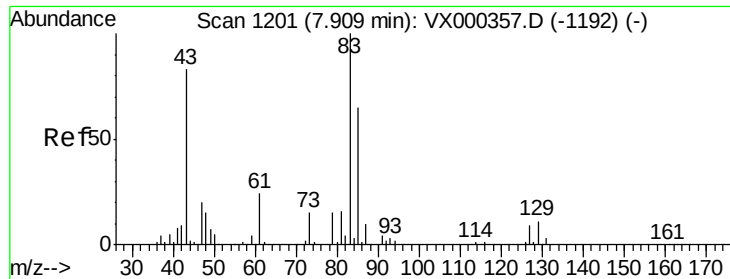
MMDadoda
 4/4/2018 5:09:27 PM



#46
 Dibromomethane
 Concen: 46.33 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000633.D
 Acq: 02 Apr 2018 11:13

Tgt Ion: 93 Resp: 64701
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.5 99.7
 174 97.5 76.0 114.0





#47

Bromodichloromethane

Concen: 49.97 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Tgt Ion:	83	Resp:	122781
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.4	77.0
127	8.4	7.0	10.6

Instrument :

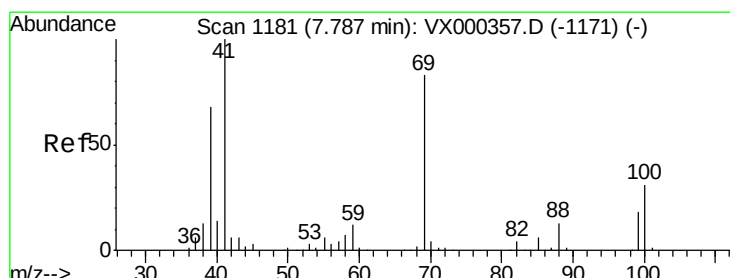
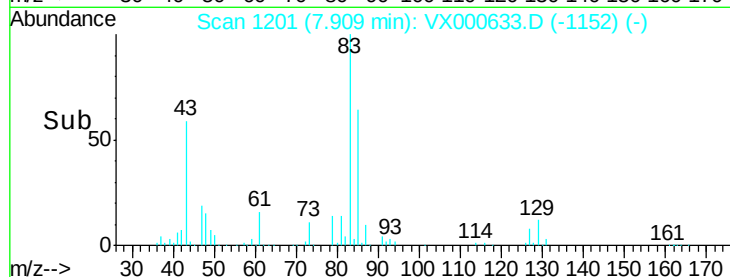
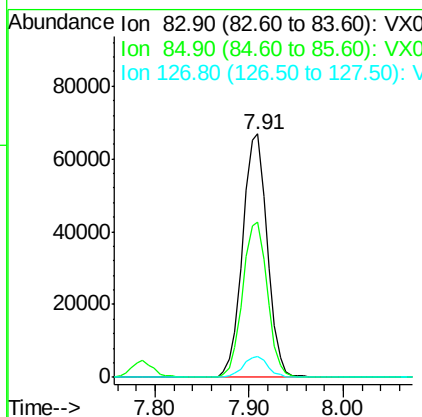
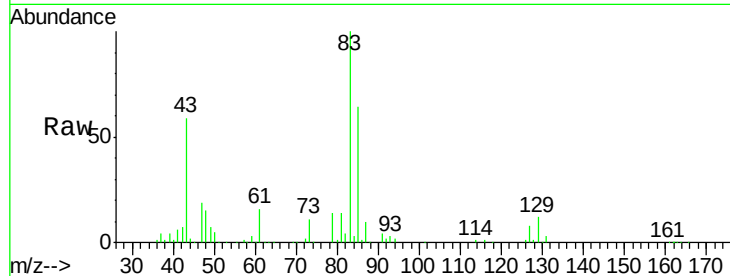
MSVOA_X

ClientSampleId :

VSTDCCC050

Manual Integrations
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4/4/2018 5:09:27 PM



#48

Methyl methacrylate

Concen: 47.13 ug/l

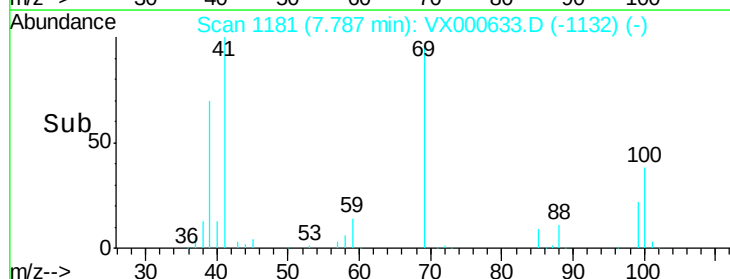
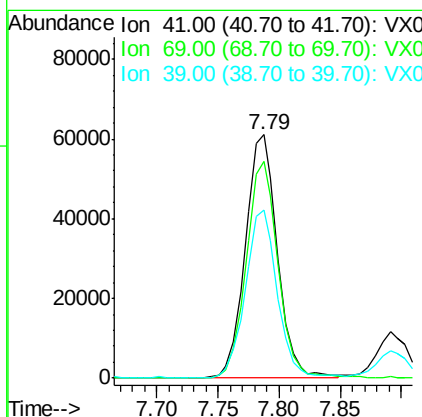
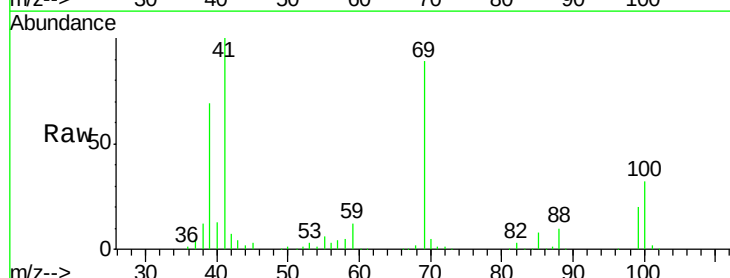
RT: 7.79 min Scan# 1181

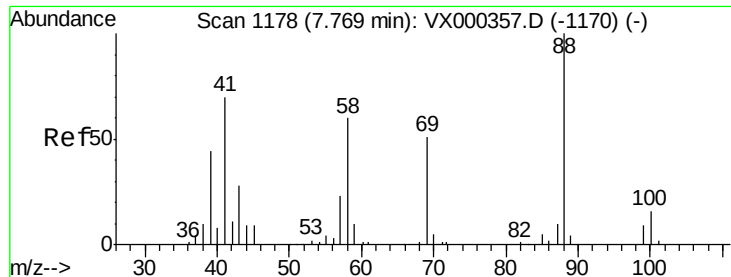
Delta R.T. -0.00 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Tgt Ion:	41	Resp:	111359
Ion	Ratio	Lower	Upper
41	100		
69	88.8	68.2	102.4
39	68.6	54.6	81.8





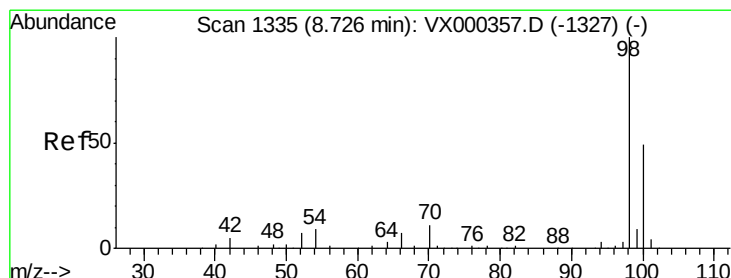
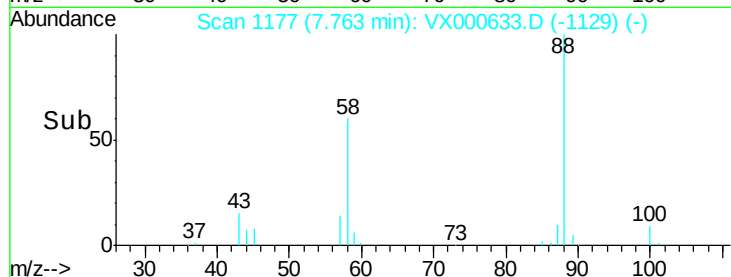
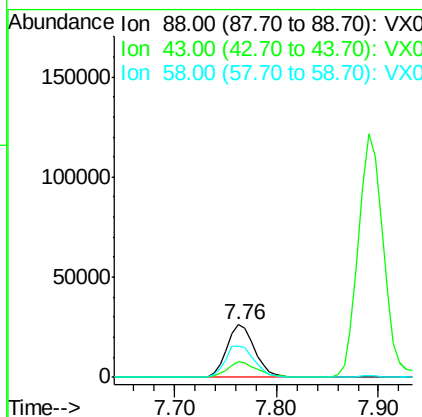
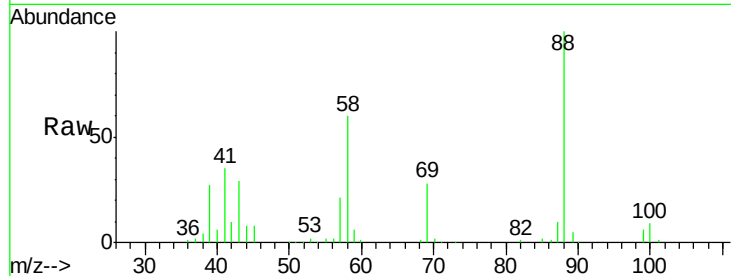
#49
1,4-Dioxane
Concen: 992.47 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.01 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	31.5	26.8	40.2
58	63.0	52.2	78.2

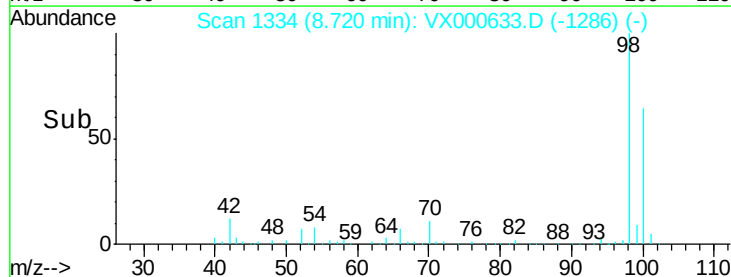
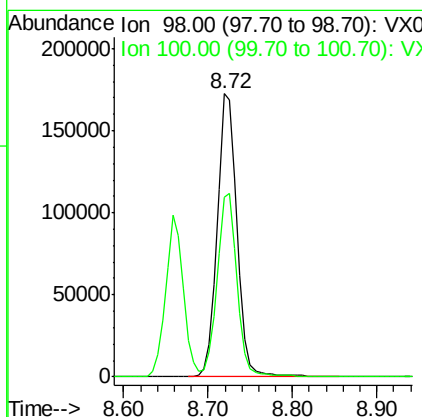
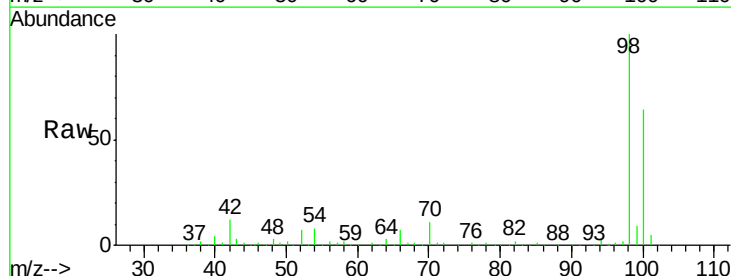
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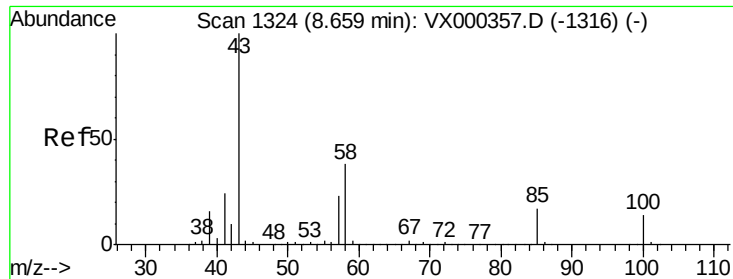
MMDadoda
4/4/2018 5:09:27 PM



#50
Toluene-d8
Concen: 41.89 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.01 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 236.16 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 889635

Ion Ratio Lower Upper

43 100

58 39.2

30.3

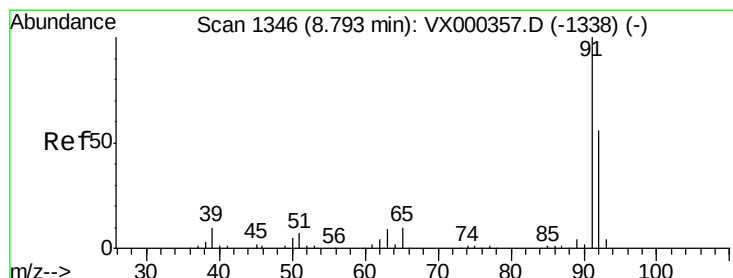
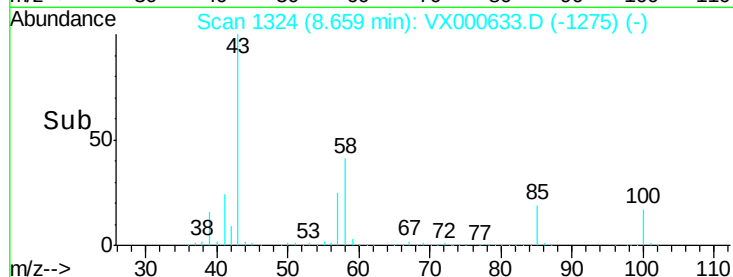
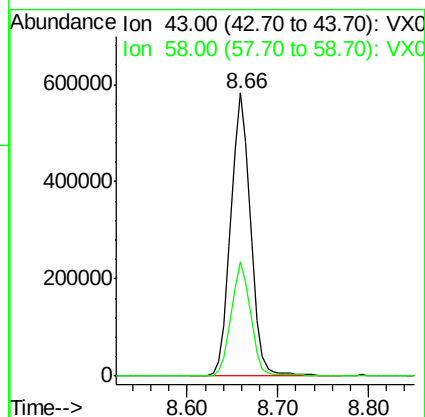
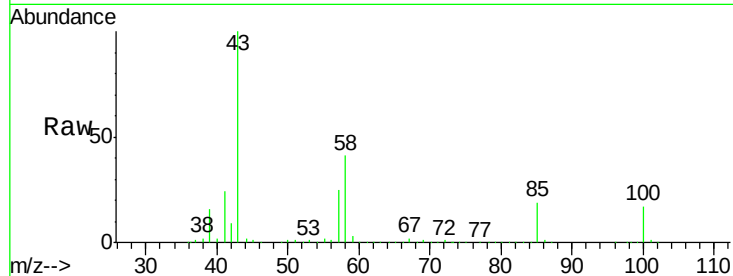
45.5

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#52

Toluene

Concen: 49.85 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Tgt Ion: 92 Resp: 242233

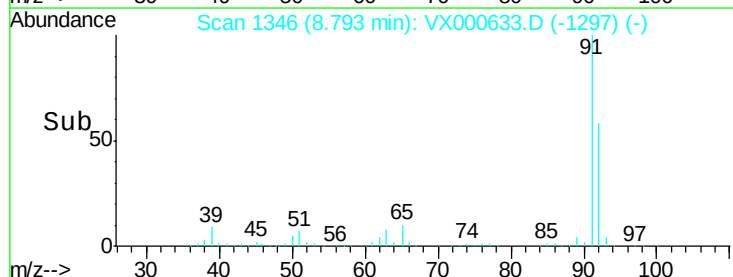
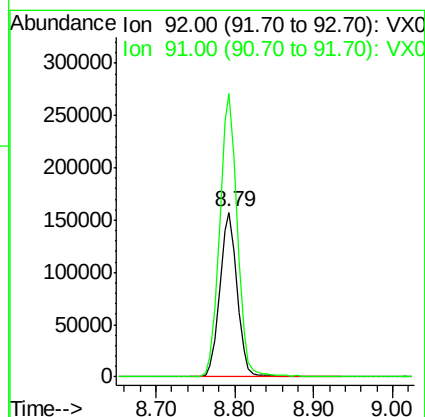
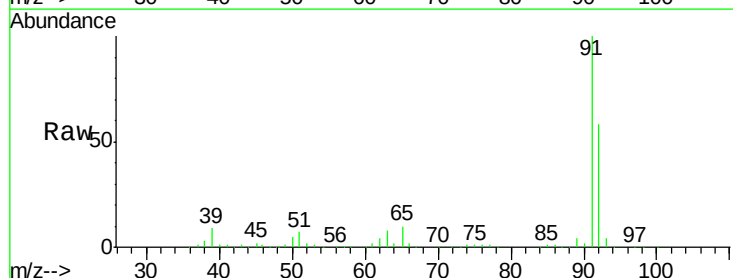
Ion Ratio Lower Upper

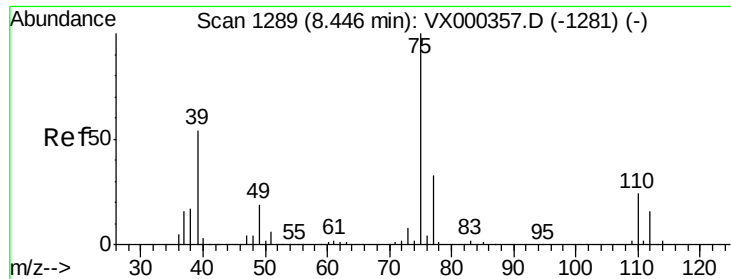
92 100

91 174.5

140.2

210.2





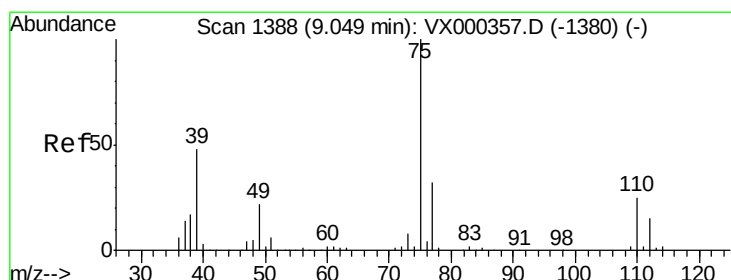
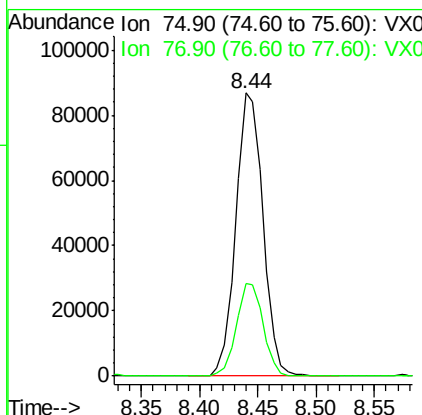
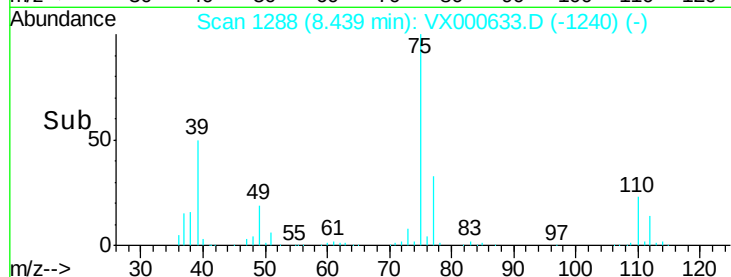
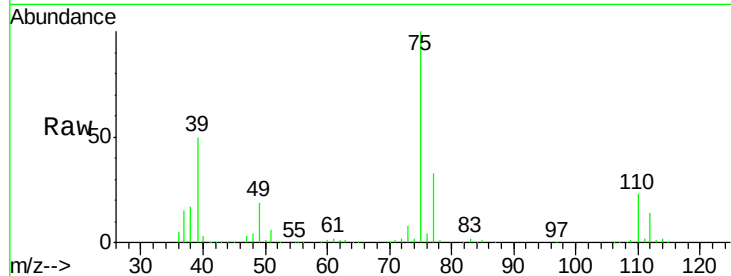
#53
 t-1,3-Dichloropropene
 Concen: 49.72 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.01 min
 Lab File: VX000633.D
 Acq: 02 Apr 2018 11:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 75 Resp: 141565
 Ion Ratio Lower Upper
 75 100
 77 32.9 24.0 36.0

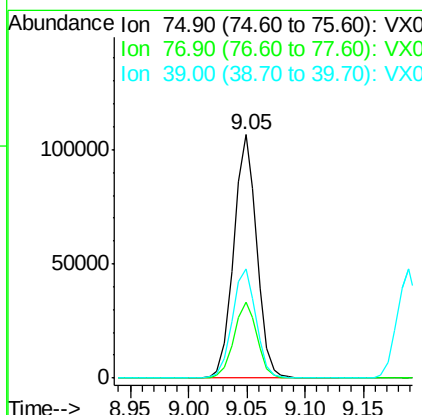
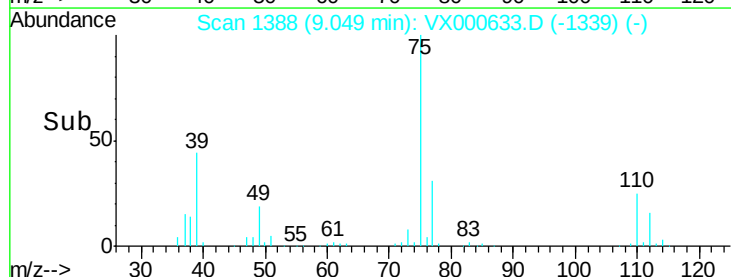
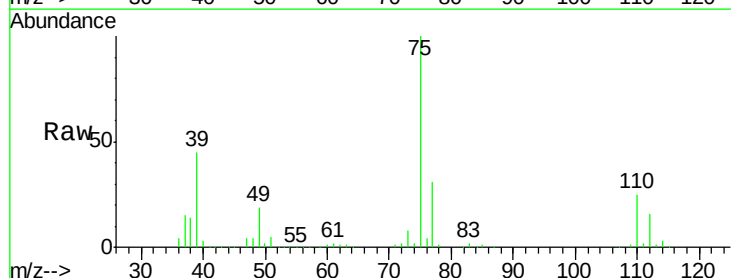
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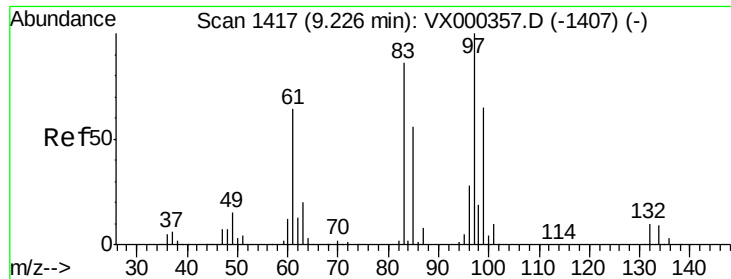
MMDadoda
 4/4/2018 5:09:27 PM



#54
 cis-1,3-Dichloropropene
 Concen: 53.00 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX000633.D
 Acq: 02 Apr 2018 11:13

Tgt Ion: 75 Resp: 146389
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.1 39.1
 39 44.8 39.8 59.6





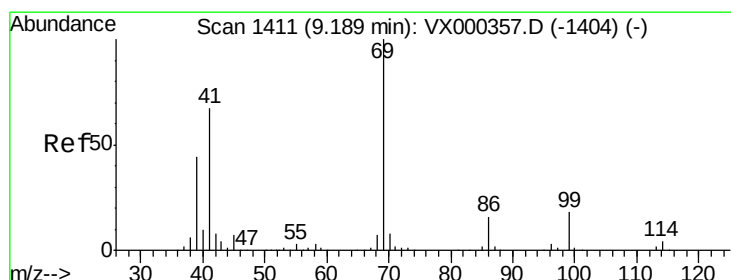
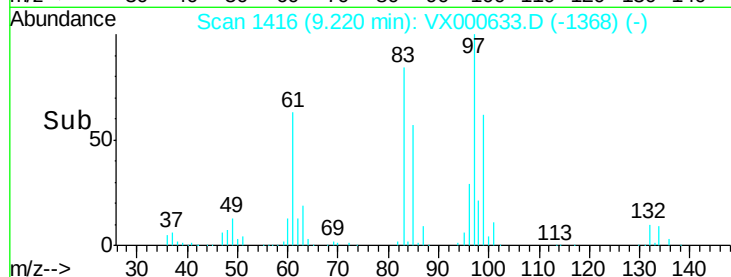
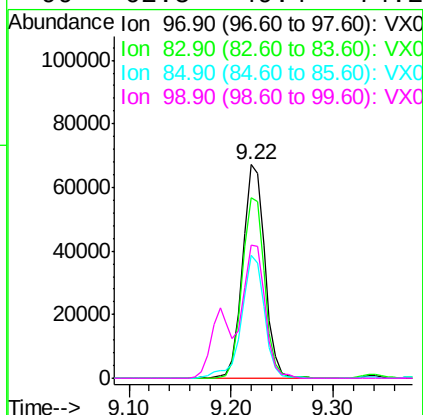
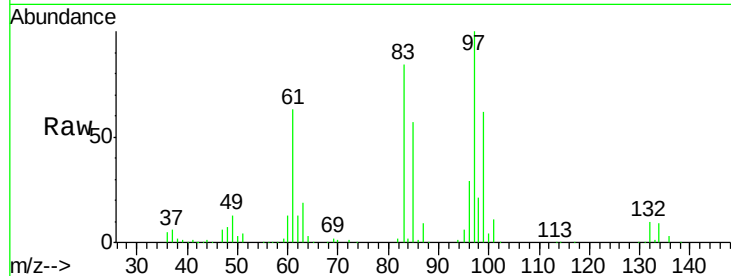
#55
 1,1,2-Trichloroethane
 Concen: 50.61 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.01 min
 Lab File: VX000633.D
 Acq: 02 Apr 2018 11:13

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	101132		
83	84.5	67.9	101.9	
85	57.3	42.8	64.2	
99	62.5	49.4	74.2	

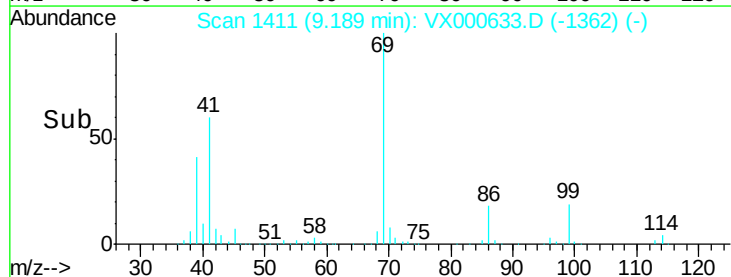
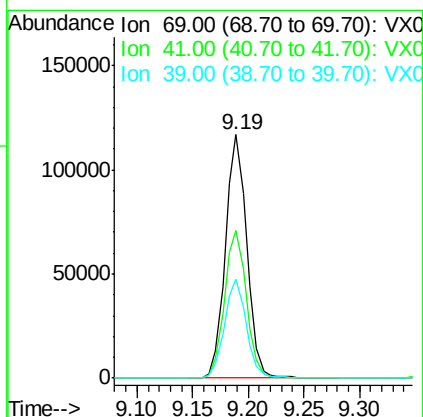
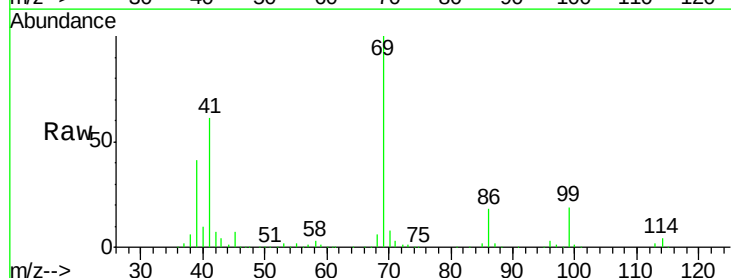
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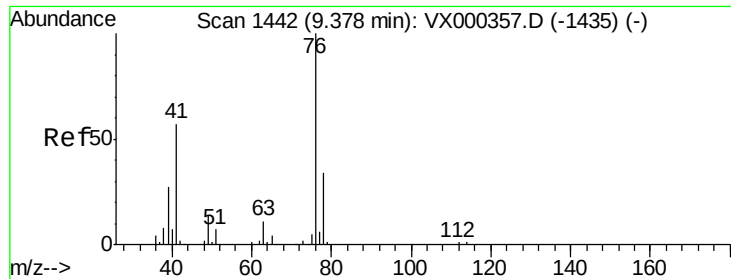
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 4/4/2018 5:09:27 PM



#56
 Ethyl methacrylate
 Concen: 51.46 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000633.D
 Acq: 02 Apr 2018 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	155824		
41	61.9	53.0	79.6	
39	41.2	35.3	52.9	





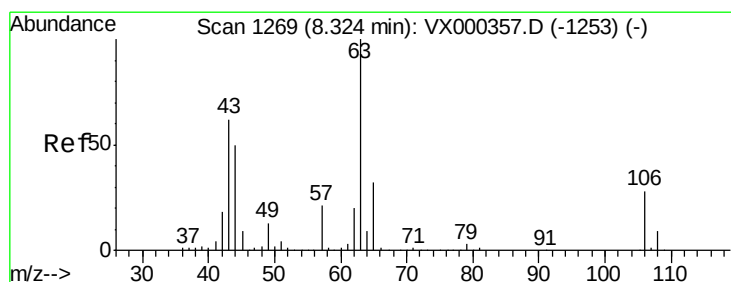
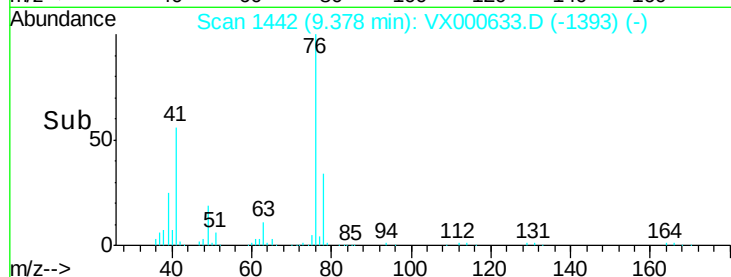
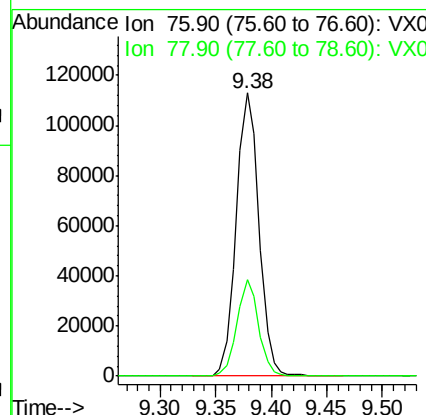
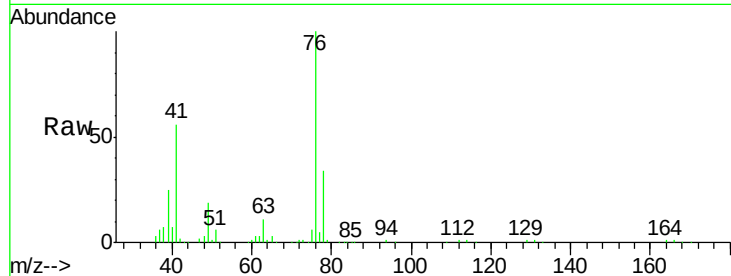
#57
 1,3-Dichloropropane
 Concen: 50.10 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX000633.D
 Acq: 02 Apr 2018 11:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.4	39.6

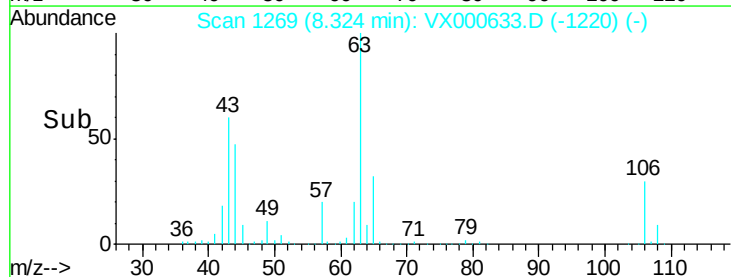
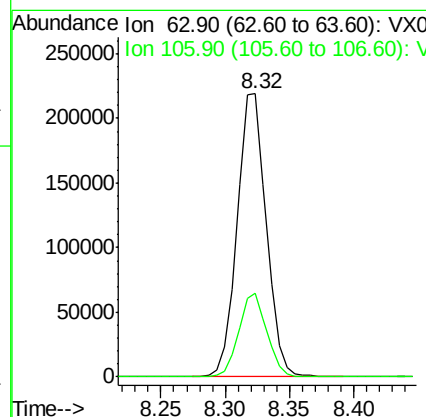
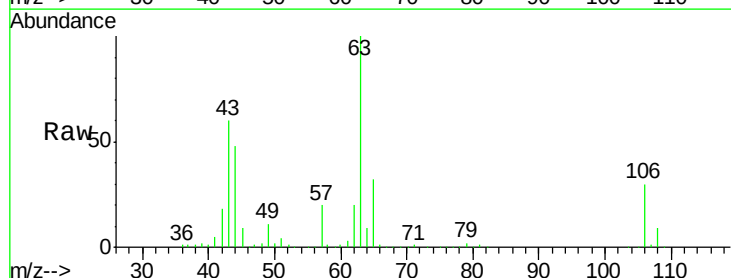
Manual Integrations
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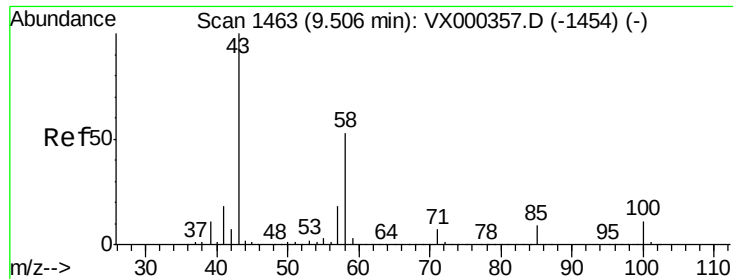
MMDadoda
 4/4/2018 5:09:27 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 236.92 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VX000633.D
 Acq: 02 Apr 2018 11:13

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	23.2	34.8





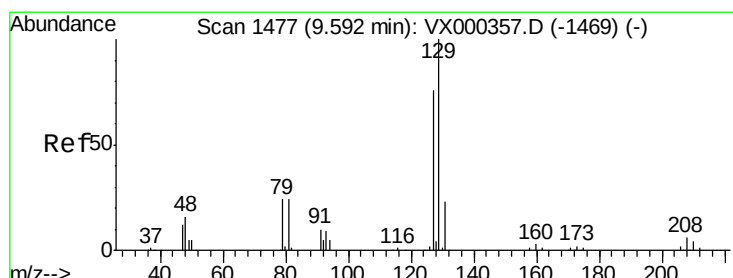
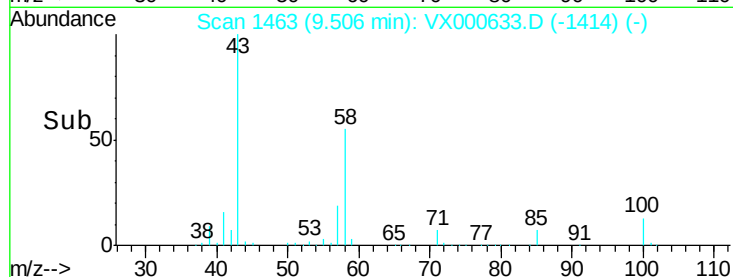
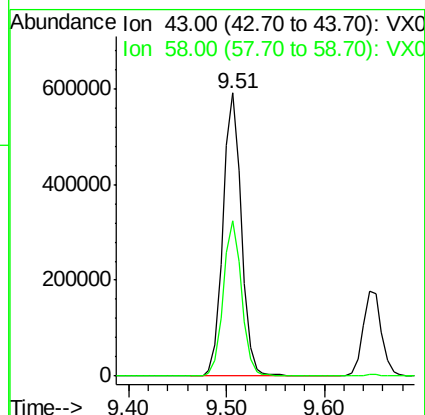
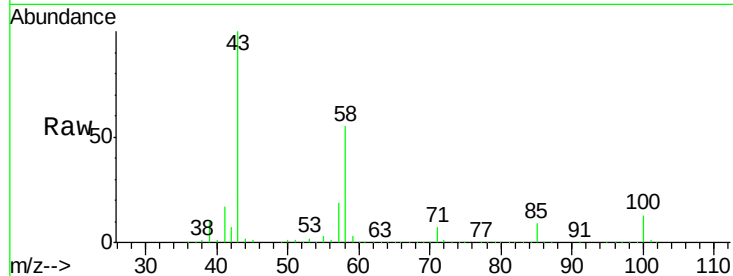
#59
2-Hexanone
Concen: 241.33 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 771931
Ion Ratio Lower Upper
43 100
58 54.8 26.6 79.7

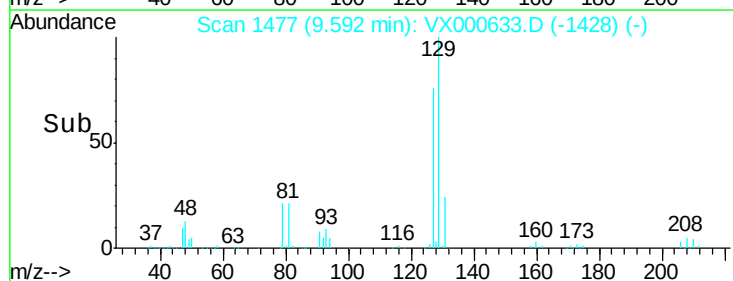
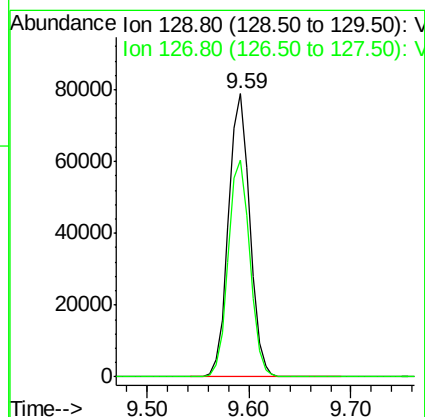
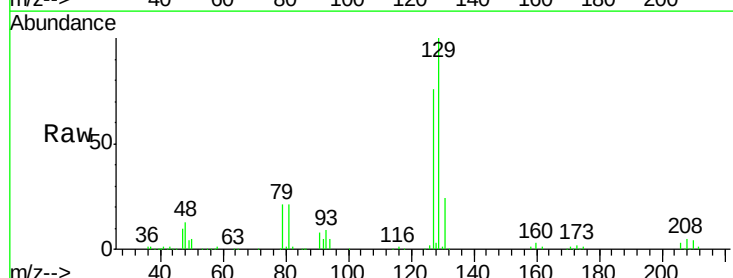
Manual Integrations
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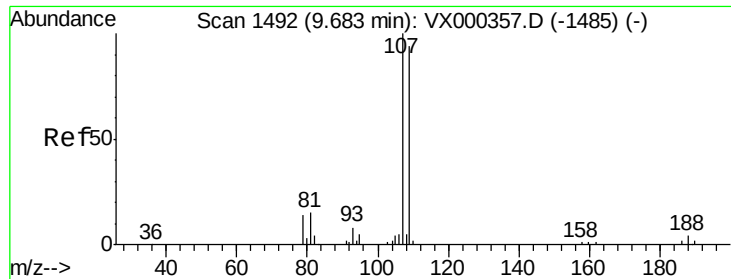
MMDadoda
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#60
Dibromochloromethane
Concen: 48.34 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Tgt Ion: 129 Resp: 113958
Ion Ratio Lower Upper
129 100
127 77.5 37.9 113.6





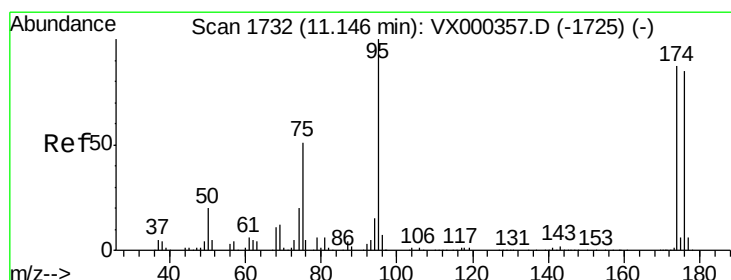
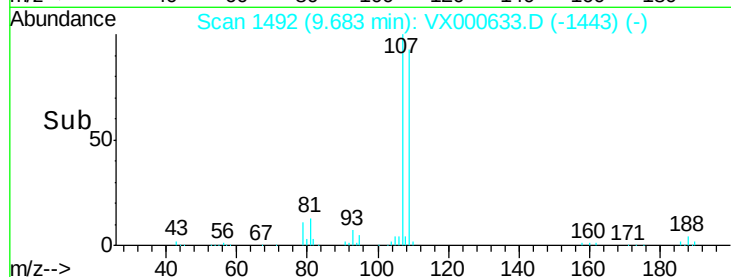
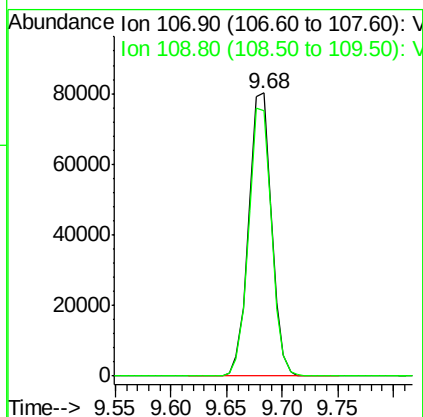
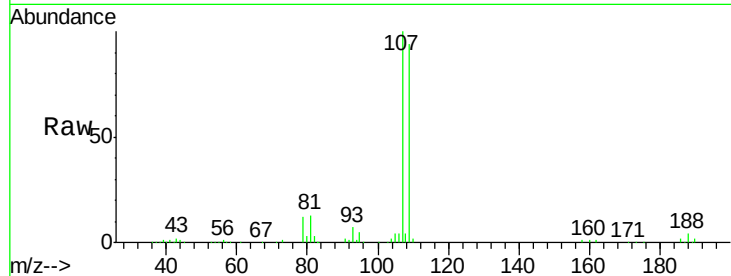
#61
 1,2-Dibromoethane
 Concen: 53.63 ug/l
 RT: 9.68 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX000633.D
 Acq: 02 Apr 2018 11:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 114923
 Ion Ratio Lower Upper
 107 100
 109 94.9 76.1 114.1

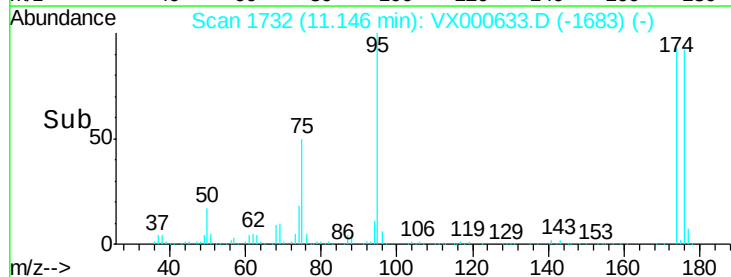
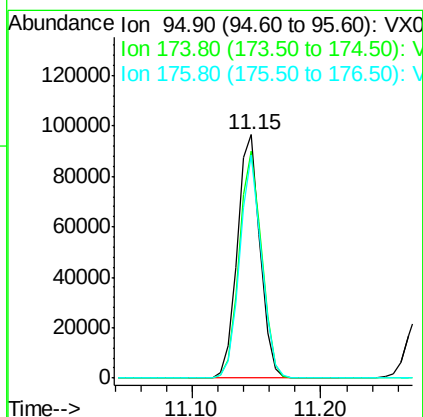
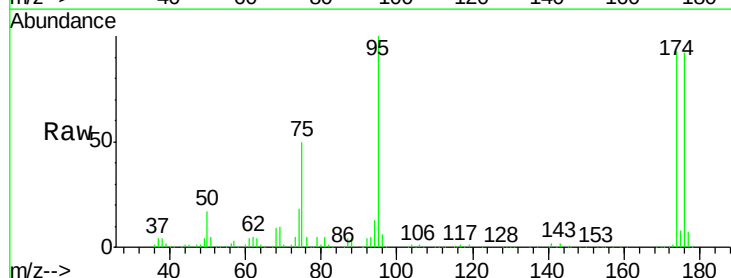
Manual Integrations
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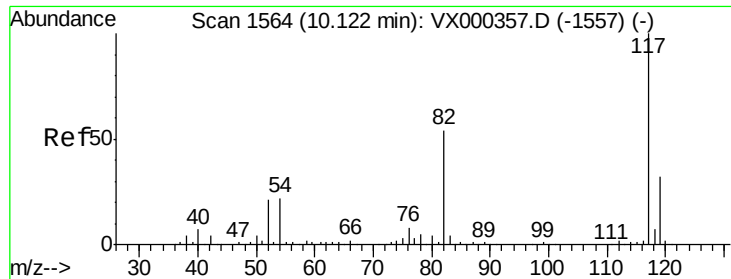
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 43.02 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.00 min
 Lab File: VX000633.D
 Acq: 02 Apr 2018 11:13

Tgt Ion: 95 Resp: 118452
 Ion Ratio Lower Upper
 95 100
 174 92.0 0.0 173.6
 176 87.4 0.0 164.6





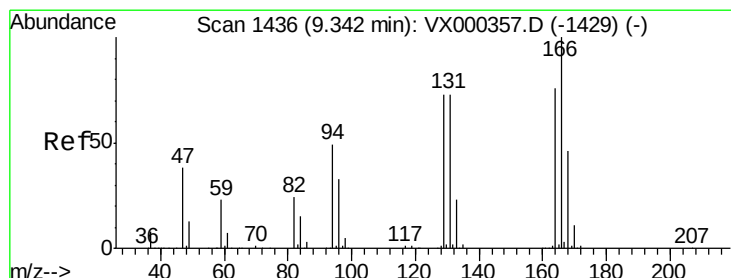
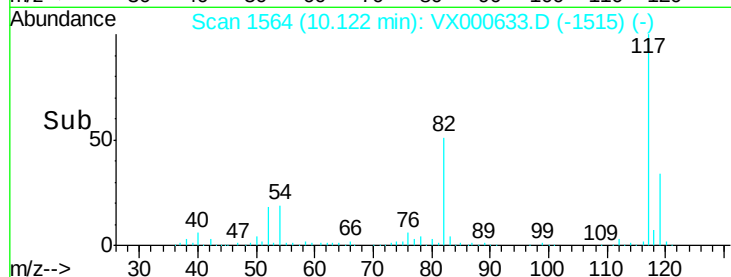
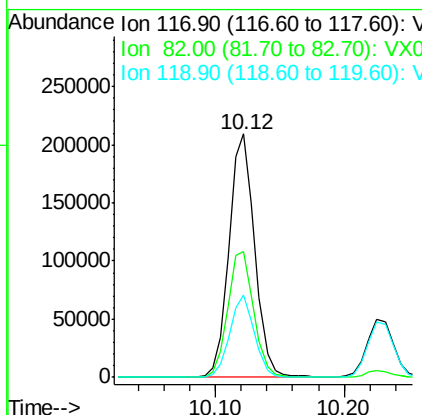
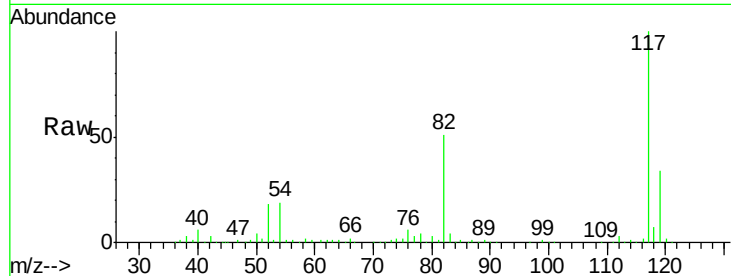
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.5	43.8	65.8
119	33.8	24.9	37.3

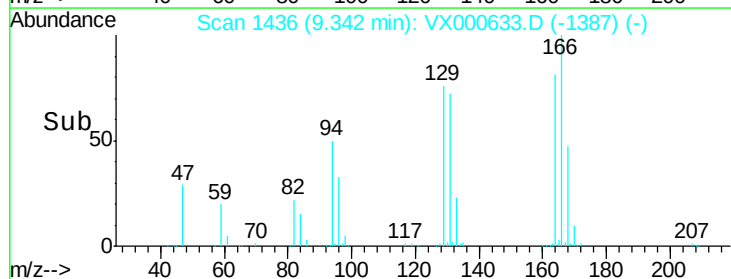
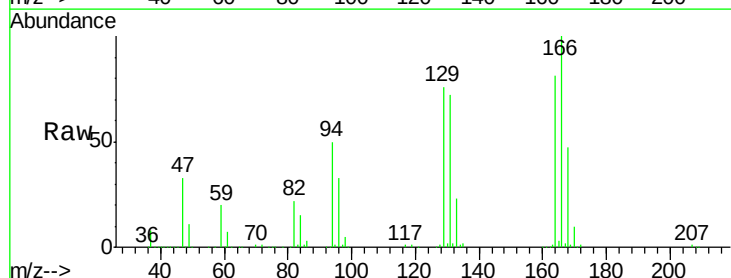
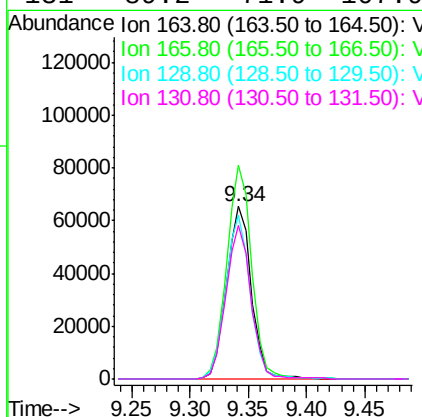
Manual Integrations
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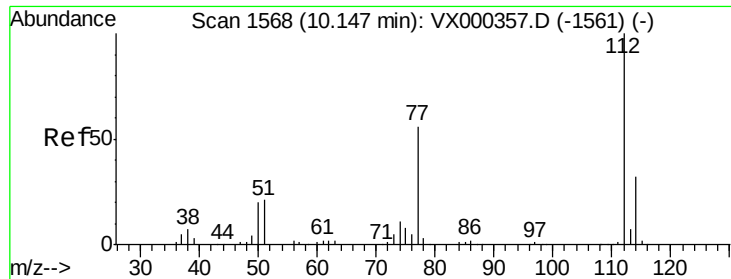
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#64
Tetrachloroethene
Concen: 42.67 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.6	101.0	151.6
129	94.5	79.0	118.4
131	89.2	71.9	107.9





#65

Chlorobenzene

Concen: 45.26 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 293820

Ion Ratio Lower Upper

112 100

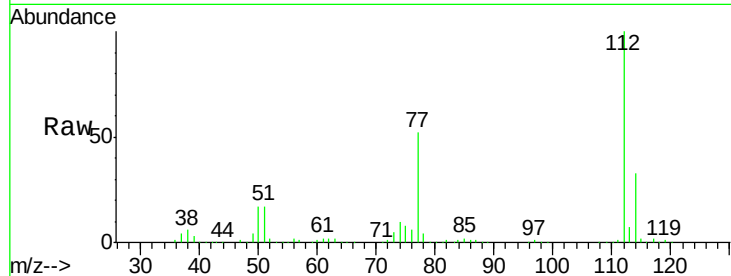
114 33.3 25.7 38.5

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

250000

200000

150000

100000

50000

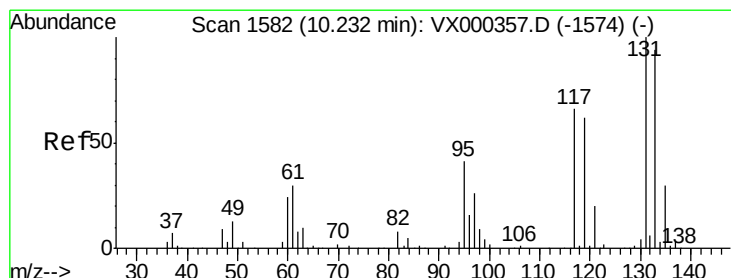
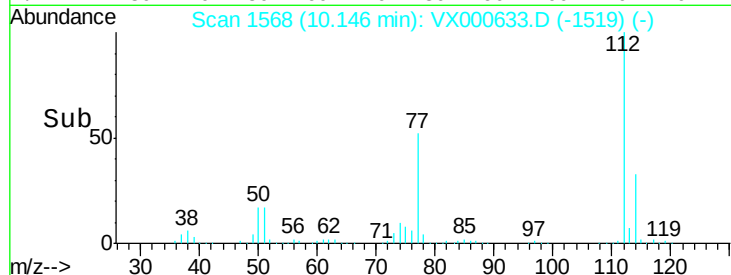
0

10.10

10.15

10.20

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 47.21 ug/l

RT: 10.23 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

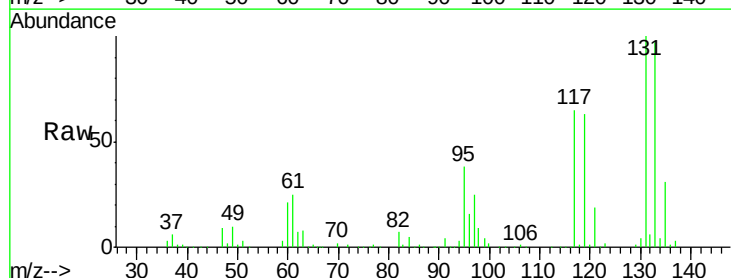
Tgt Ion:131 Resp: 104073

Ion Ratio Lower Upper

131 100

133 96.4 47.1 141.3

119 64.8 33.1 99.2



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

100000

80000

60000

40000

20000

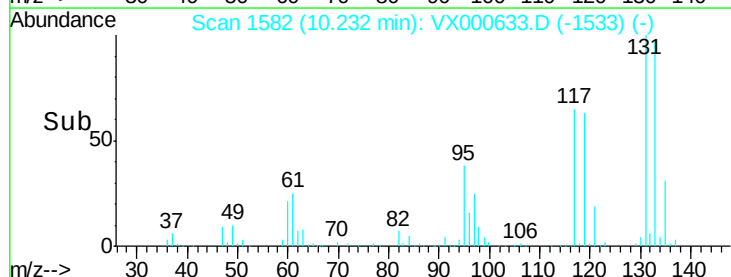
0

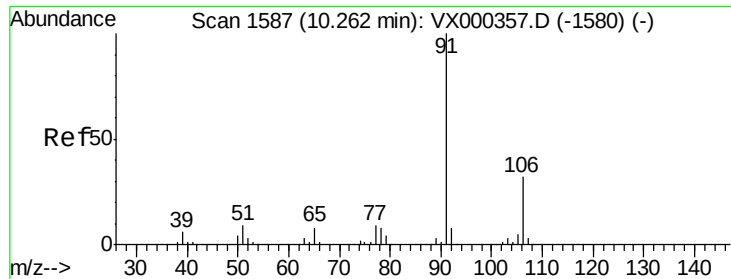
10.20

10.23

10.30

Time-->





#67

Ethyl Benzene

Concen: 44.90 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.01 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 494024

Ion Ratio Lower Upper

91 100

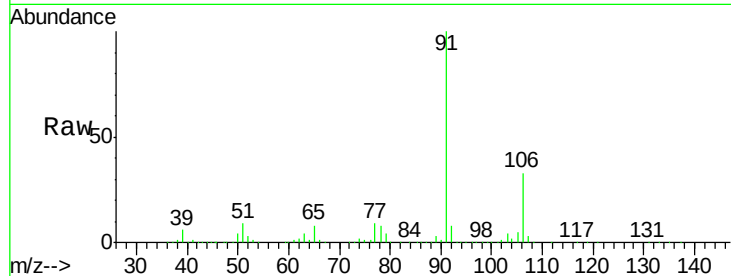
106 32.7 25.0 37.6

Manual Integrations

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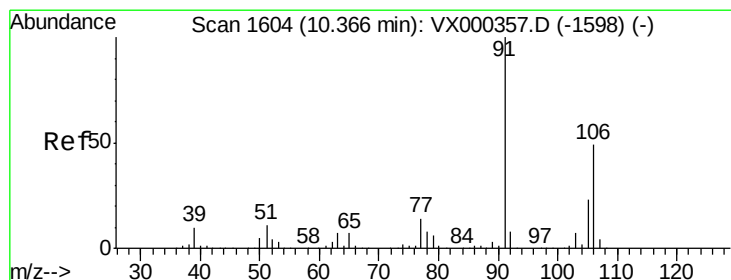
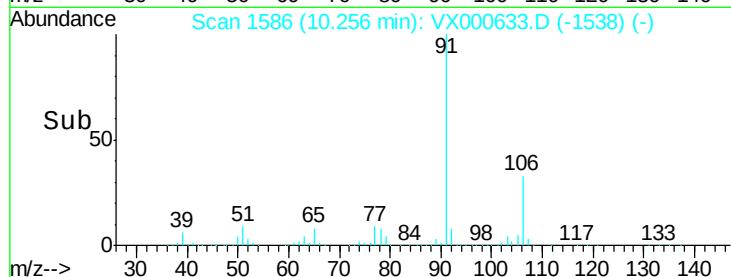
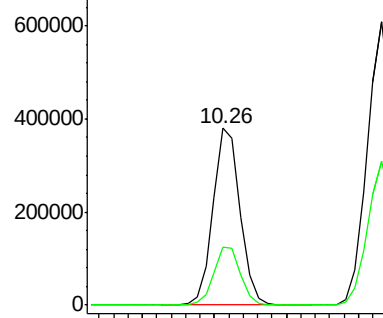
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 92.82 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX000633.D

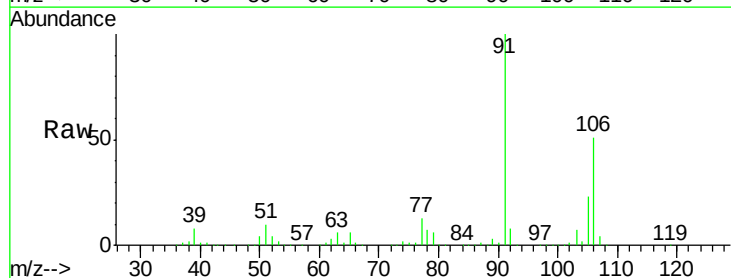
Acq: 02 Apr 2018 11:13

Tgt Ion: 106 Resp: 401916

Ion Ratio Lower Upper

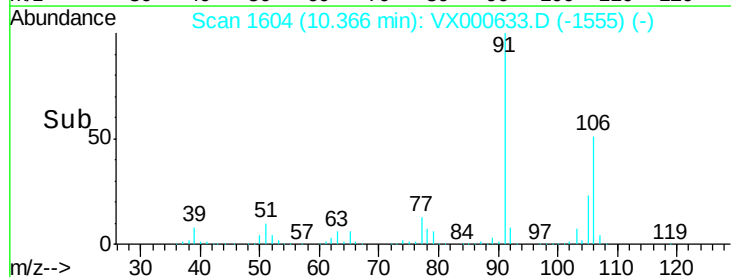
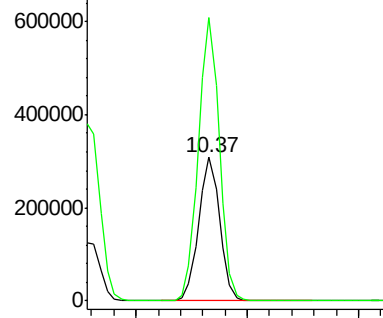
106 100

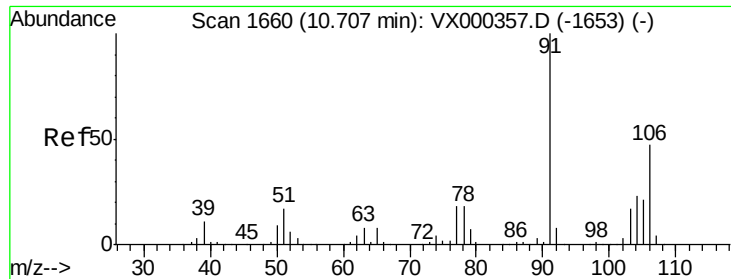
91 197.4 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





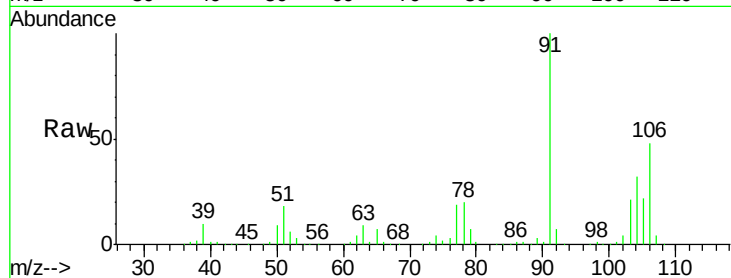
#69
o-Xylene
Concen: 46.79 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

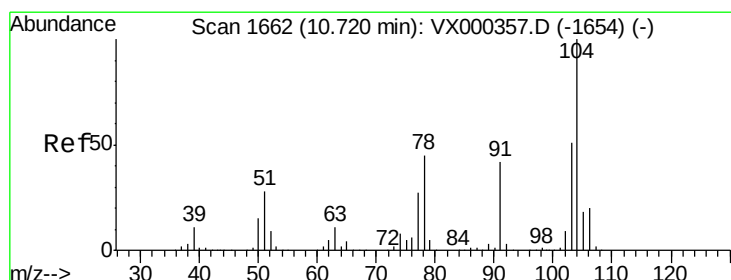
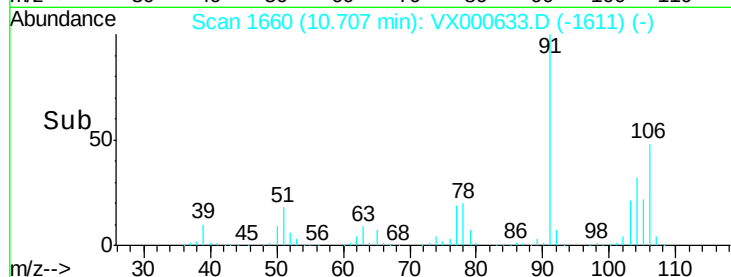
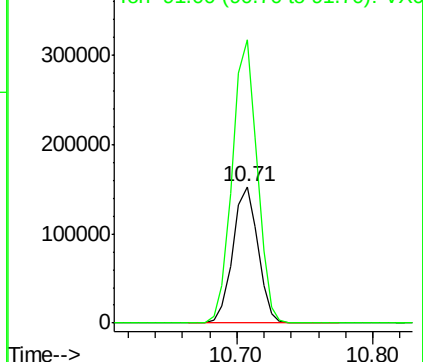
Tgt Ion:106 Resp: 196150
Ion Ratio Lower Upper
106 100
91 206.6 106.5 319.6

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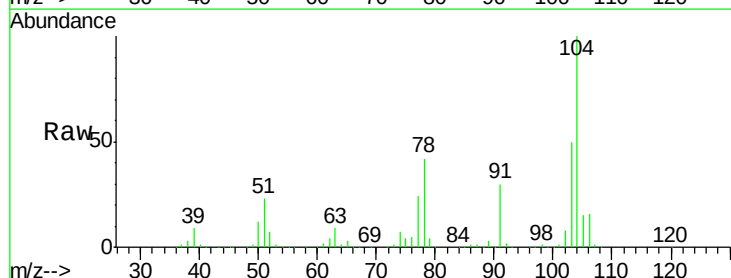


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

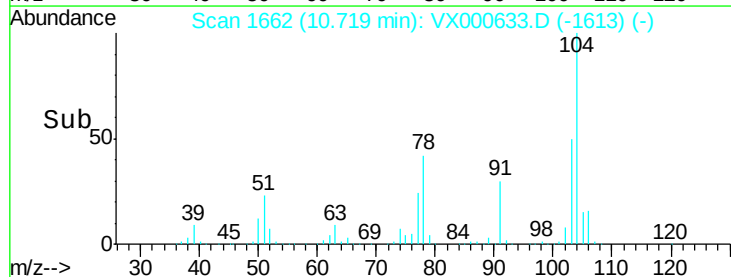
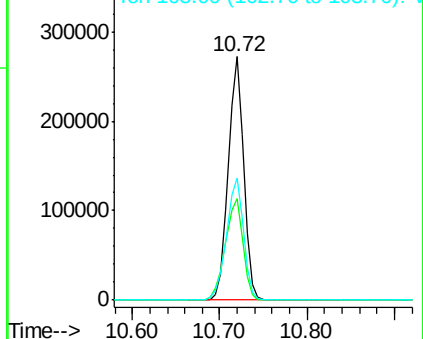


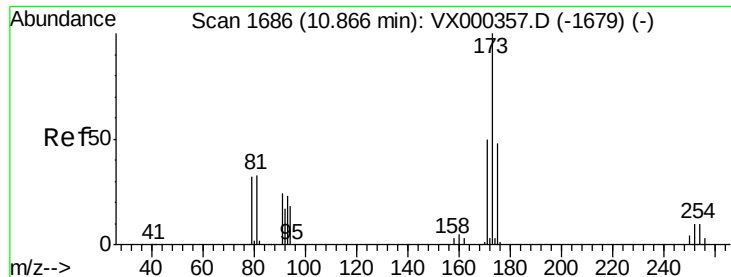
#70
Styrene
Concen: 48.14 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Tgt Ion:104 Resp: 333974
Ion Ratio Lower Upper
104 100
78 47.7 40.5 60.7
103 55.2 45.7 68.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 42.14 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 94909

Ion Ratio Lower Upper

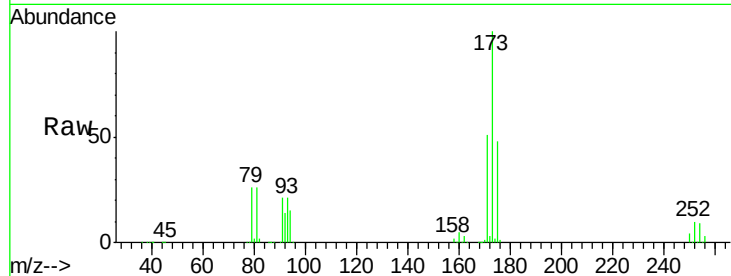
173 100

175 49.8 25.4 76.4

254 0.1 0.0 0.0#

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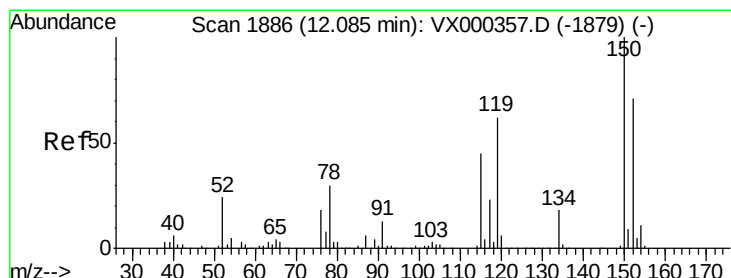
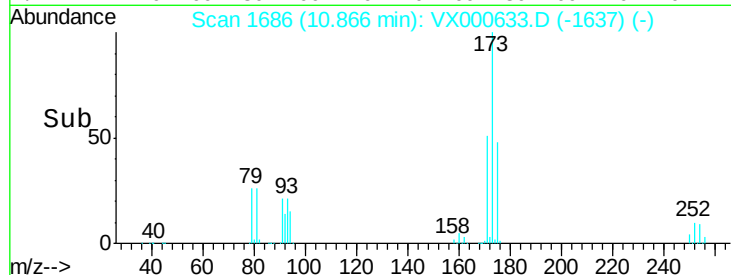
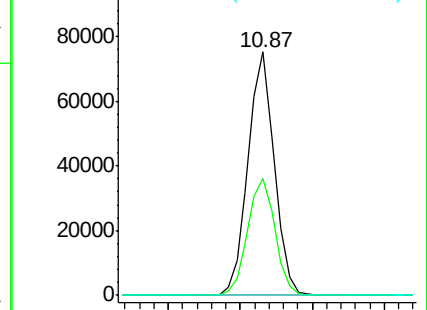
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

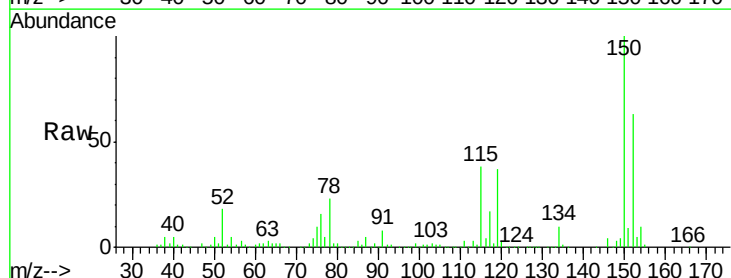
Tgt Ion:152 Resp: 188128

Ion Ratio Lower Upper

152 100

115 76.5 39.8 119.3

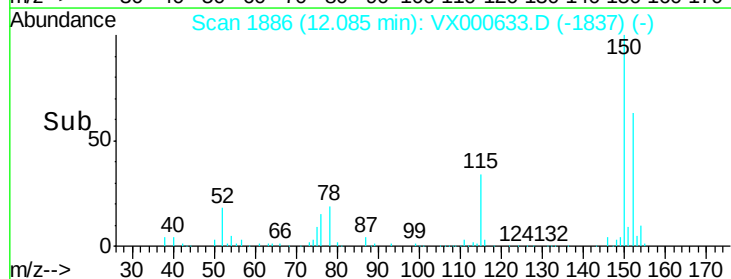
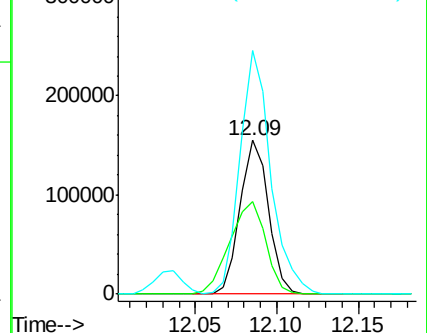
150 172.1 0.0 344.4

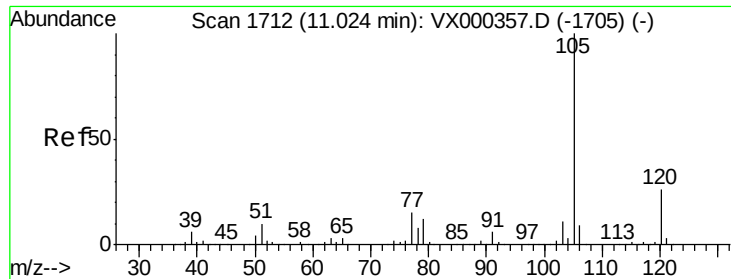


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 43.25 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 539135

Ion Ratio Lower Upper

105 100

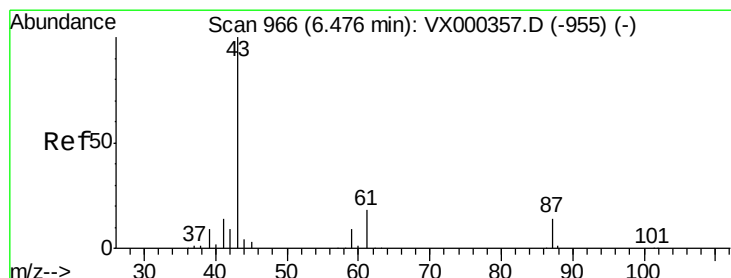
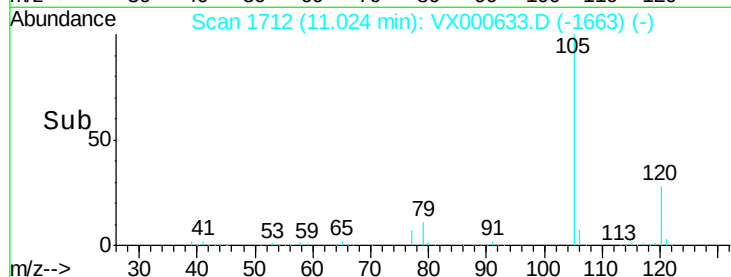
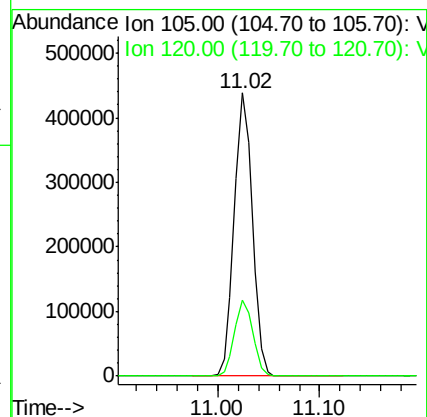
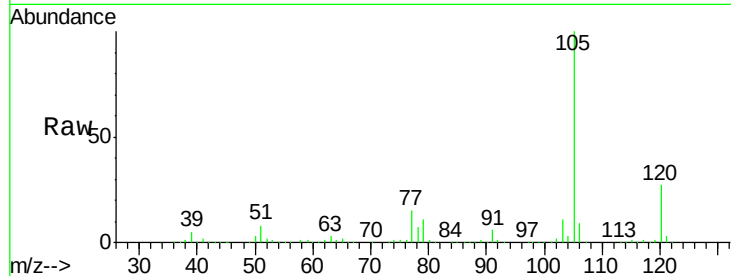
120 27.1 13.6 40.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 41.27 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Tgt Ion: 43 Resp: 227371

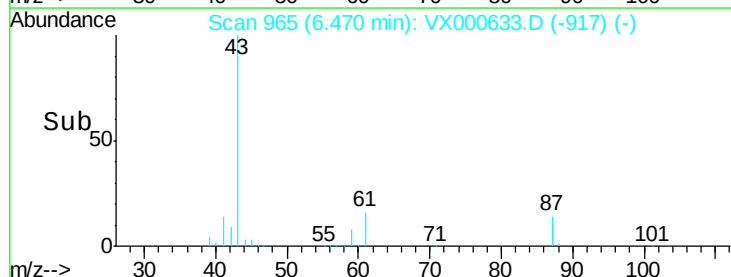
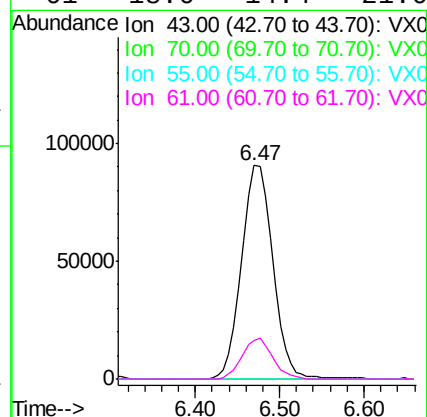
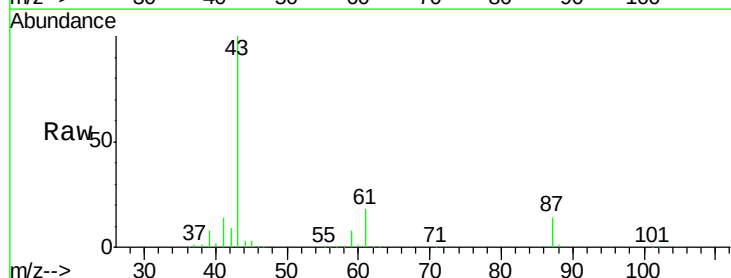
Ion Ratio Lower Upper

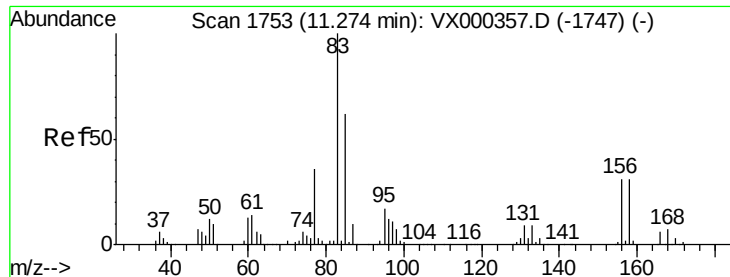
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 18.6 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 42.95 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 189376
Ion Ratio Lower Upper

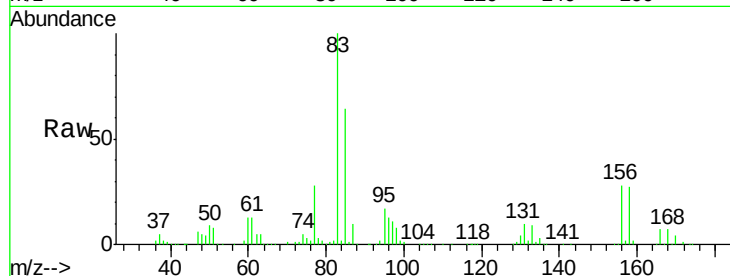
83 100

131 10.8 5.0 14.9

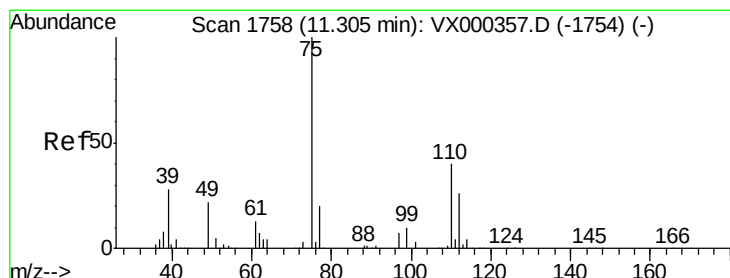
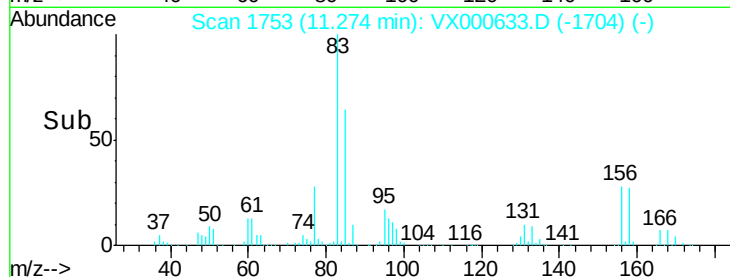
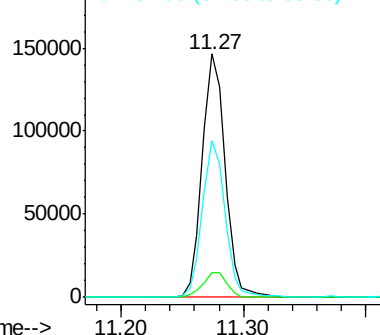
85 64.0 32.5 97.5

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



#76

1,2,3-Trichloropropane

Concen: 49.03 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

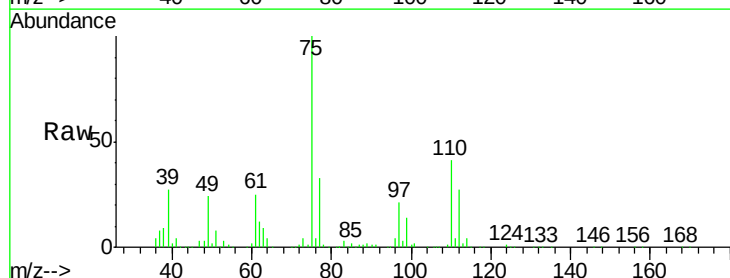
Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

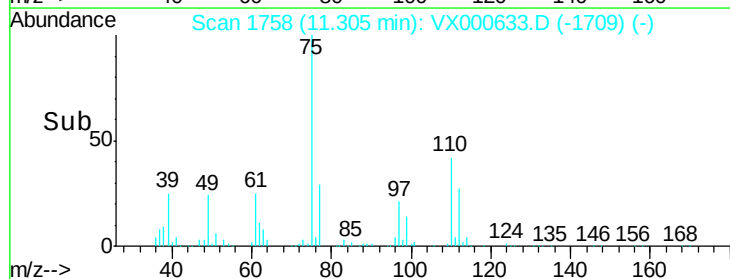
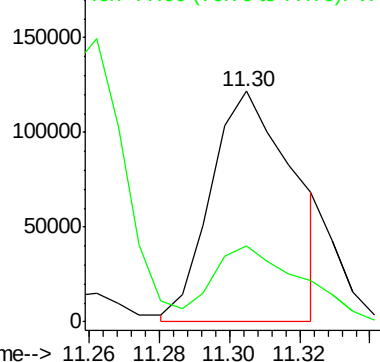
Tgt Ion: 75 Resp: 198230
Ion Ratio Lower Upper

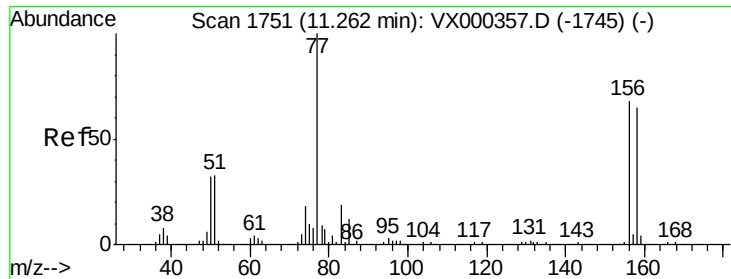
75 100

77 35.1 21.4 64.2



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





#77

Bromobenzene

Concen: 43.24 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Instrument :

MSVOA_X

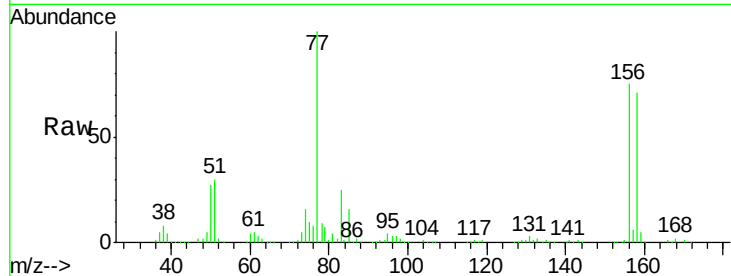
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	143576		
77	137.2	73.4	220.2	
158	95.3	48.5	145.6	

Manual Integrations
APPROVED

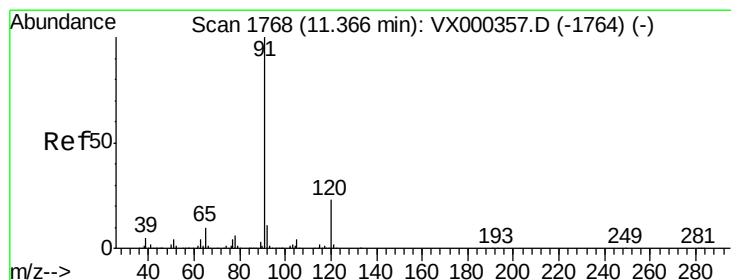
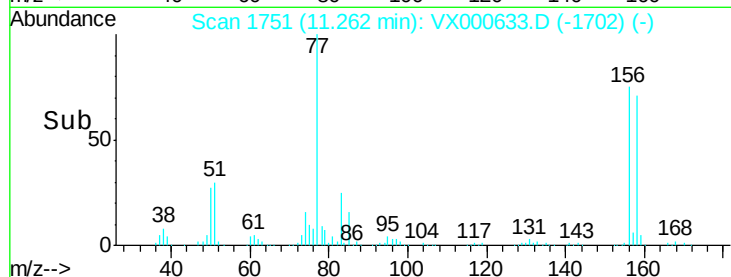
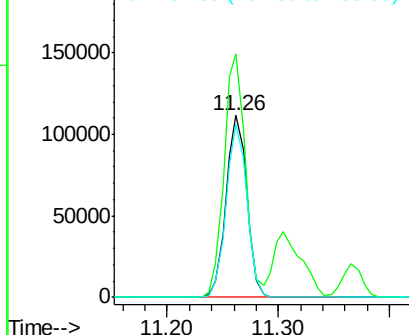
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 42.52 ug/l

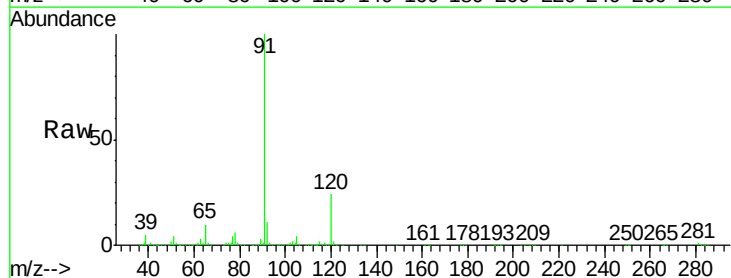
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000633.D

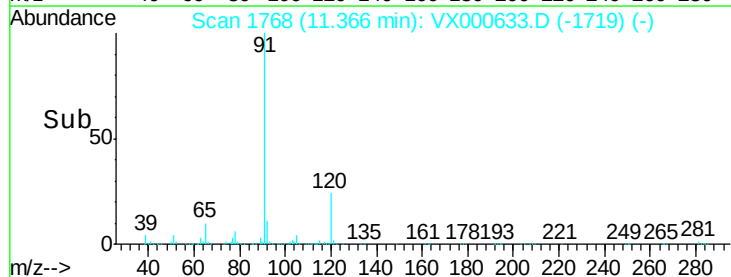
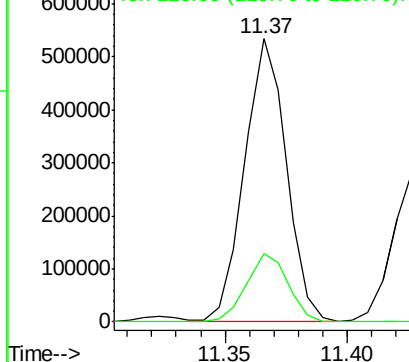
Acq: 02 Apr 2018 11:13

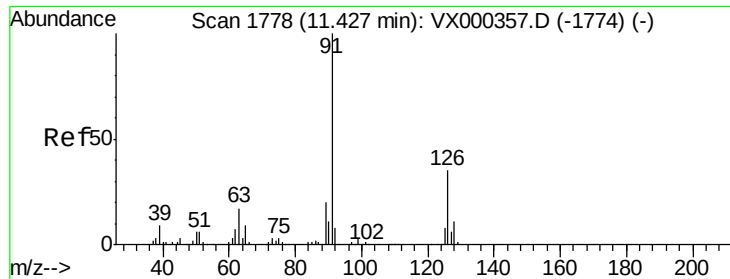
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	632019		
120	24.4	11.8	35.3	



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 41.44 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tgt Ion: 91 Resp: 355823

Ion Ratio Lower Upper

91 100

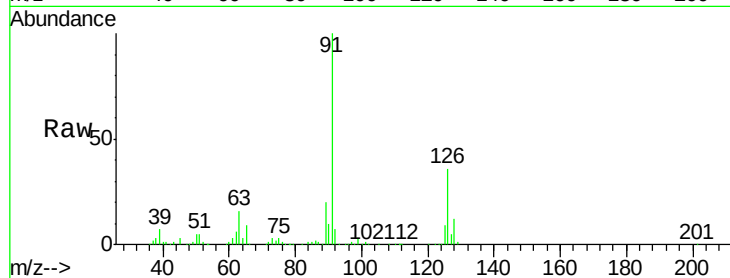
126 37.1 17.7 53.1

Manual Integrations

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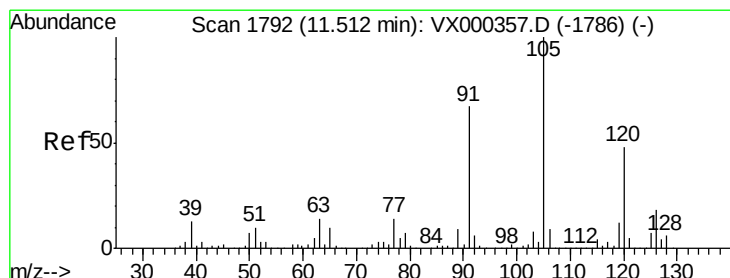
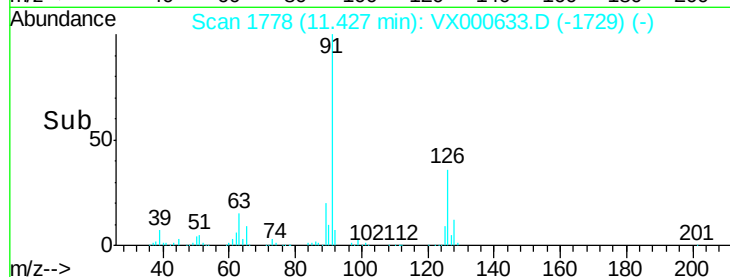
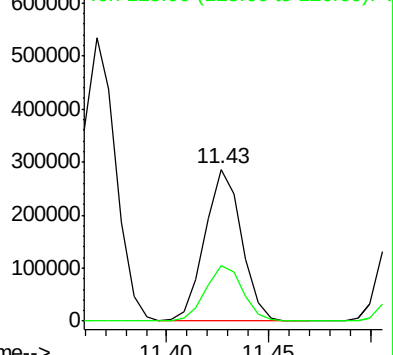
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 44.43 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000633.D

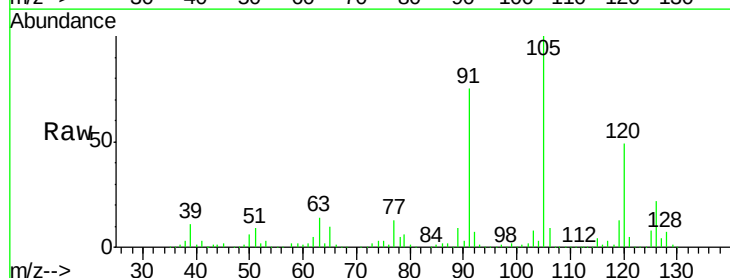
Acq: 02 Apr 2018 11:13

Tgt Ion: 105 Resp: 465631

Ion Ratio Lower Upper

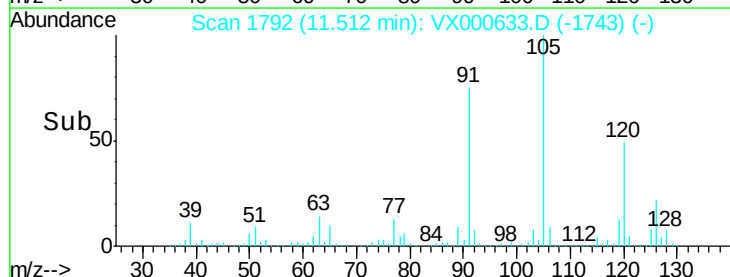
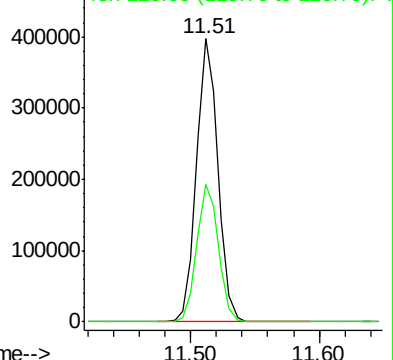
105 100

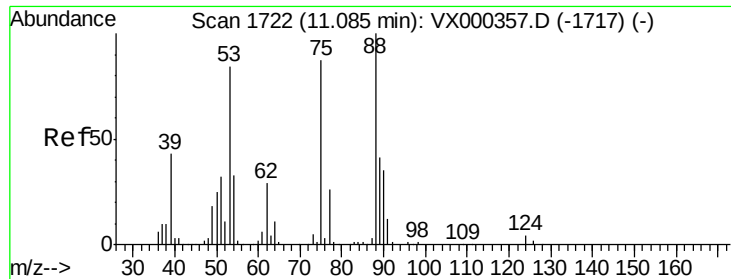
120 49.2 24.1 72.4



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: 44.23 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.01 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Instrument :

MSVOA_X

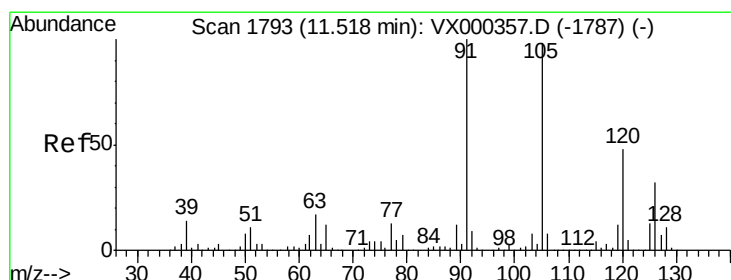
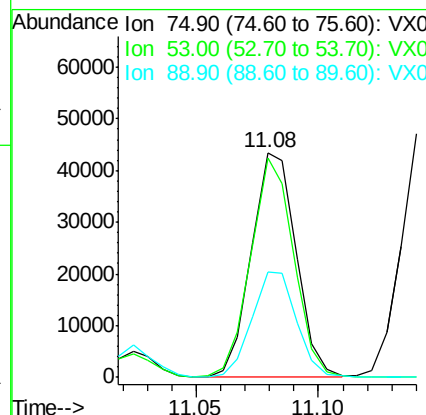
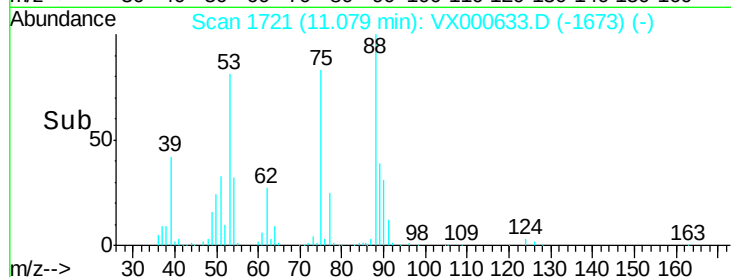
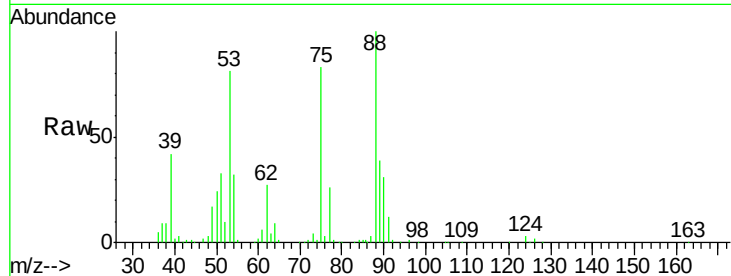
ClientSampleId :

VSTDCCC050

Tgt Ion:	75	Resp:	55238
Ion	Ratio	Lower	Upper
75	100		
53	94.6	80.7	121.1
89	47.0	39.4	59.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 42.83 ug/l

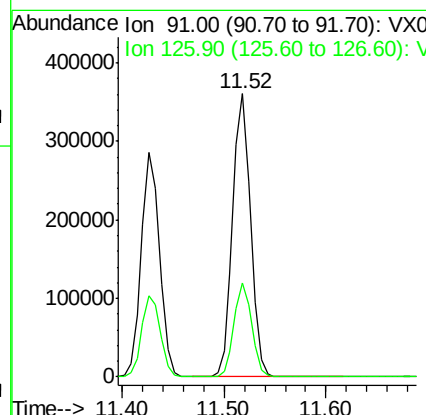
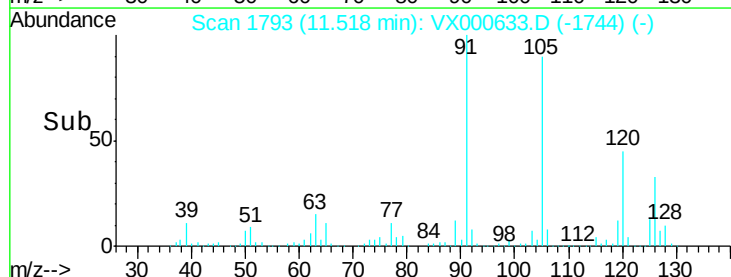
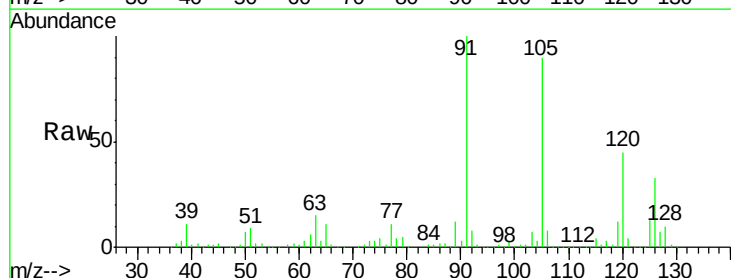
RT: 11.52 min Scan# 1793

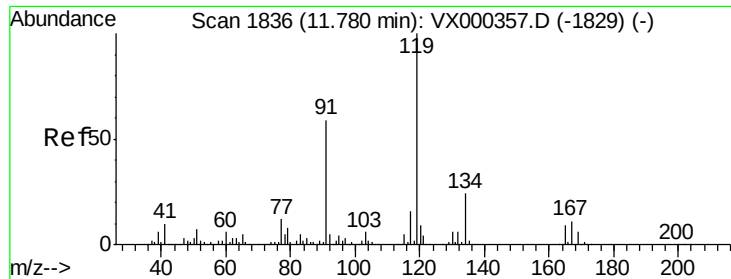
Delta R.T. -0.00 min

Lab File: VX000633.D

Acq: 02 Apr 2018 11:13

Tgt Ion:	91	Resp:	439043
Ion	Ratio	Lower	Upper
91	100		
126	32.6	15.4	46.1





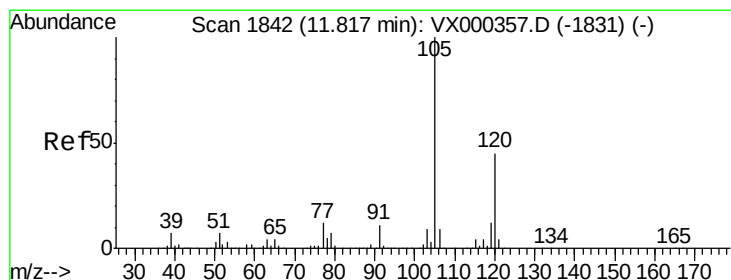
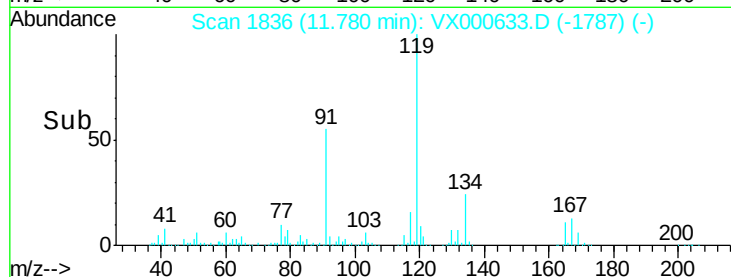
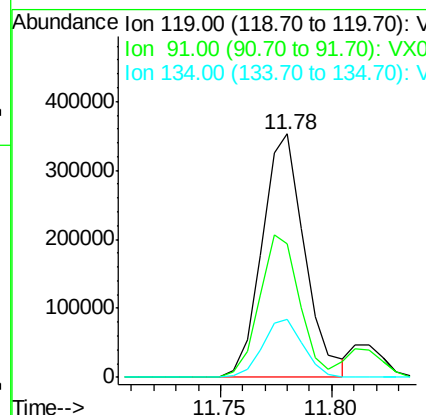
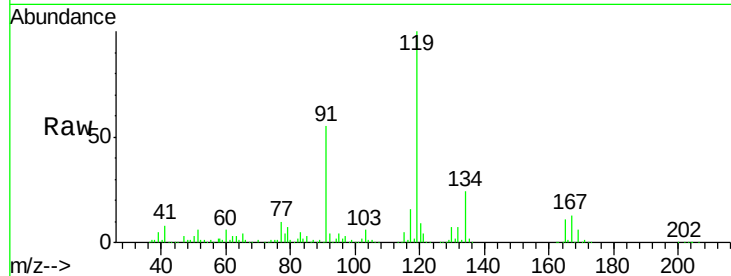
#83
 tert-Butylbenzene
 Concen: 44.45 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VX000633.D
 Acq: 02 Apr 2018 11:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	55.1	28.8	86.4
134	22.7	11.4	34.1

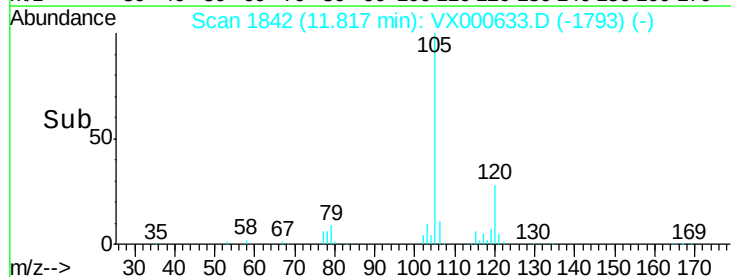
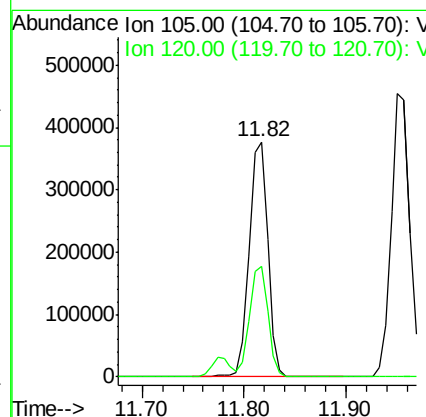
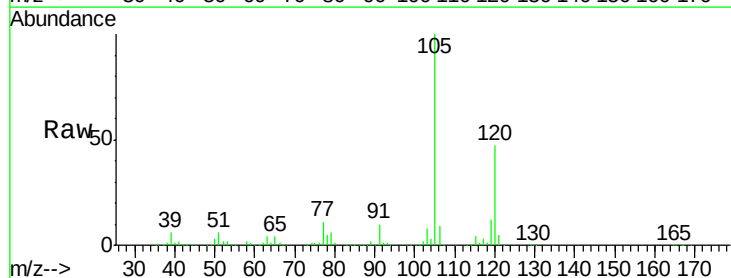
Manual Integrations
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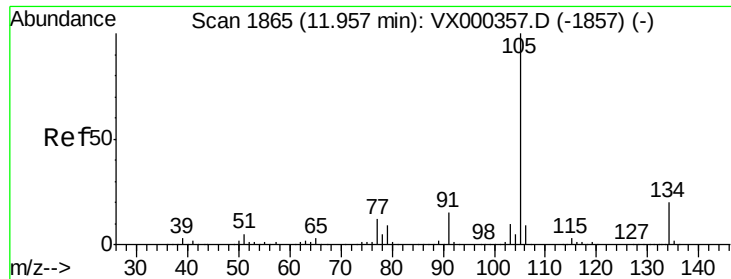
MMDadoda
 4/4/2018 5:09:27 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 43.53 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000633.D
 Acq: 02 Apr 2018 11:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.4	67.3





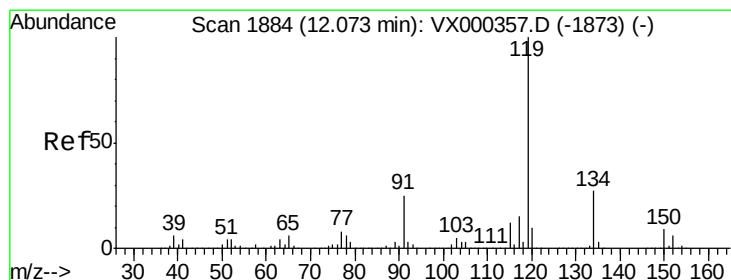
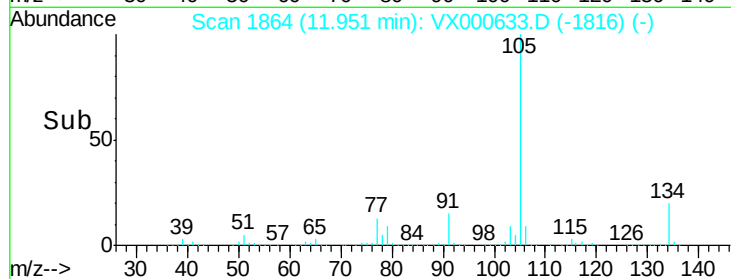
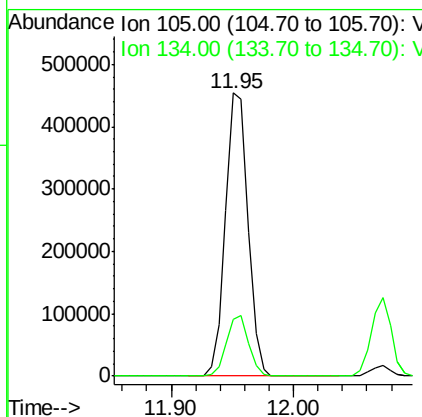
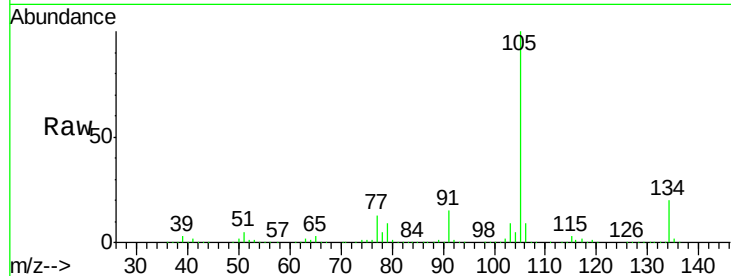
#85
 sec-Butylbenzene
 Concen: 44.11 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: VX000633.D
 Acq: 02 Apr 2018 11:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 576912
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.3 30.8

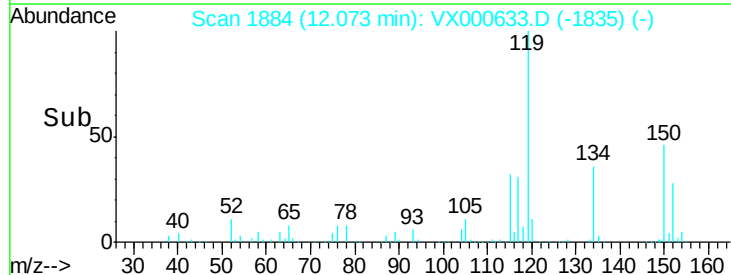
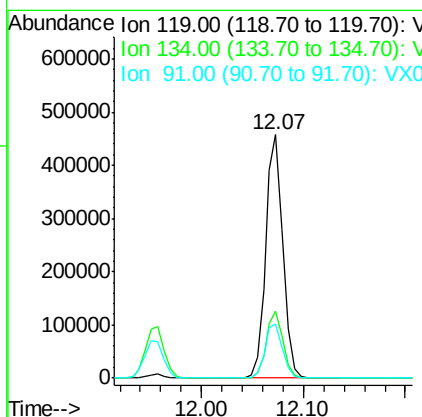
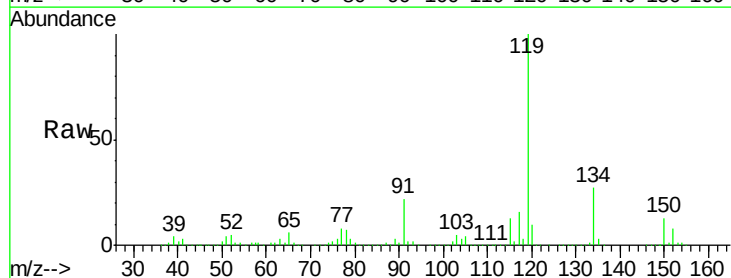
Manual Integrations
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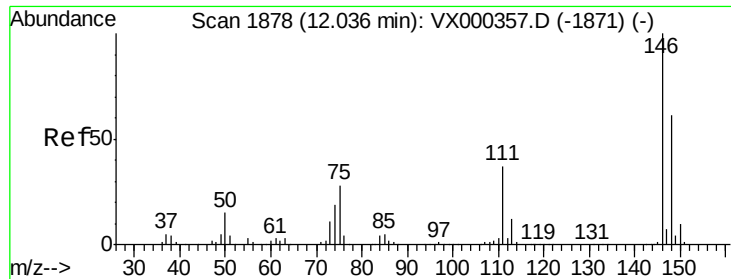
MMDadoda
 4/4/2018 5:09:27 PM



#86
 p-Isopropyltoluene
 Concen: 45.84 ug/l
 RT: 12.07 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VX000633.D
 Acq: 02 Apr 2018 11:13

Tgt Ion:119 Resp: 532475
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.3 39.9
 91 23.0 12.0 36.1





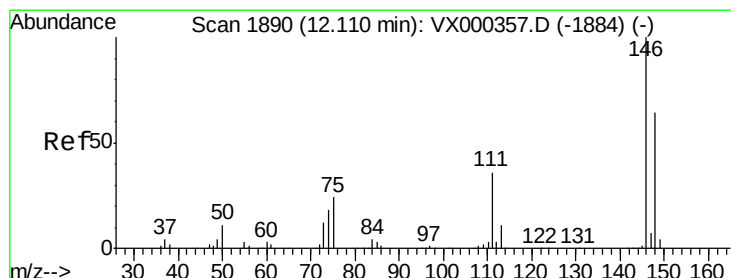
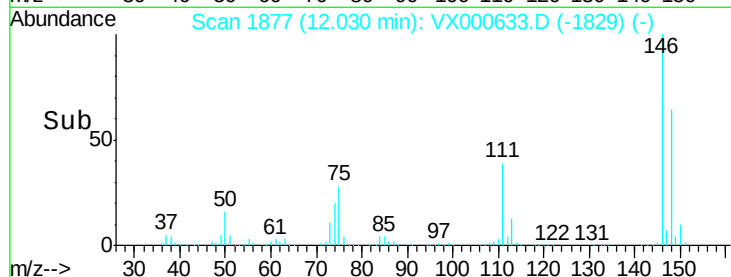
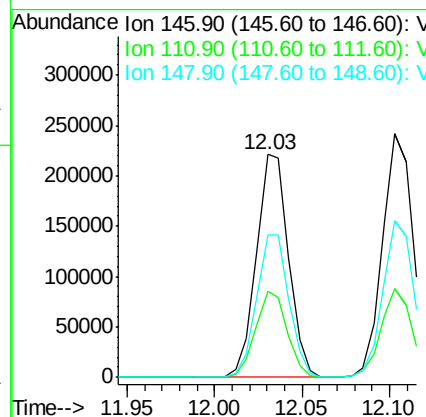
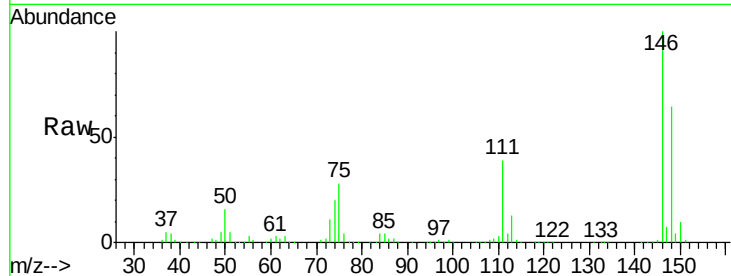
#87
 1,3-Dichlorobenzene
 Concen: 45.11 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.01 min
 Lab File: VX000633.D
 Acq: 02 Apr 2018 11:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	283218		
111	37.8	19.5	58.5	
148	64.5	32.4	97.0	

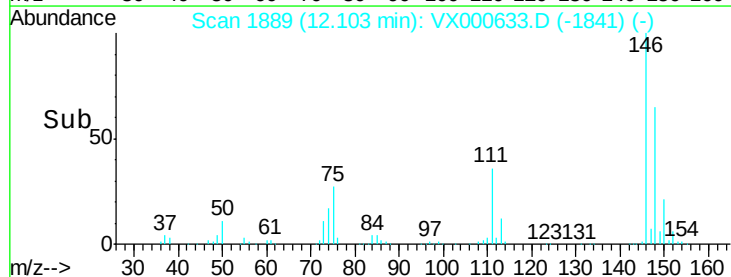
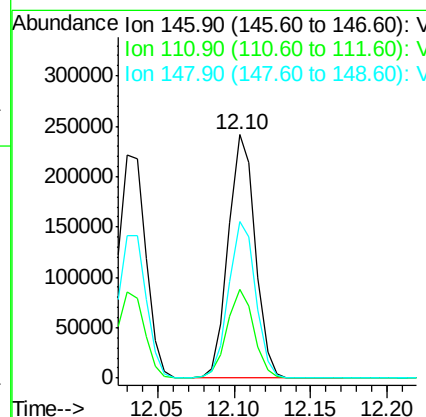
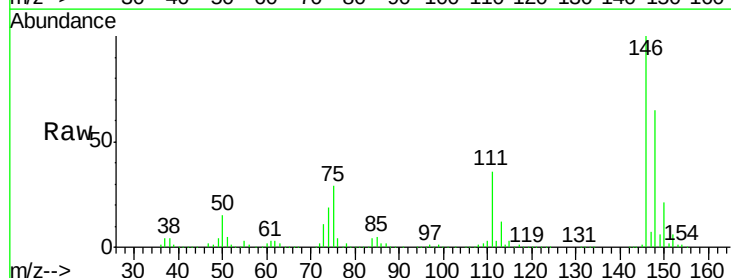
Manual Integrations
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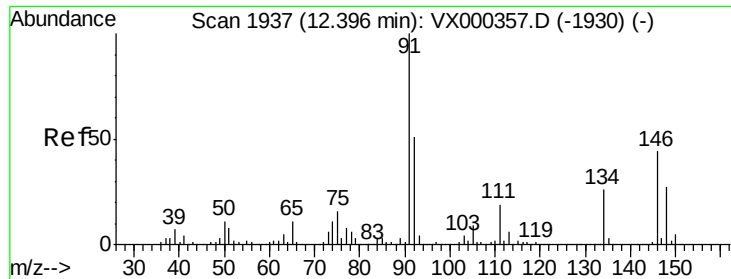
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 4/4/2018 5:09:27 PM



#88
 1,4-Dichlorobenzene
 Concen: 44.71 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: VX000633.D
 Acq: 02 Apr 2018 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	294684		
111	36.6	18.9	56.9	
148	64.7	31.0	93.0	





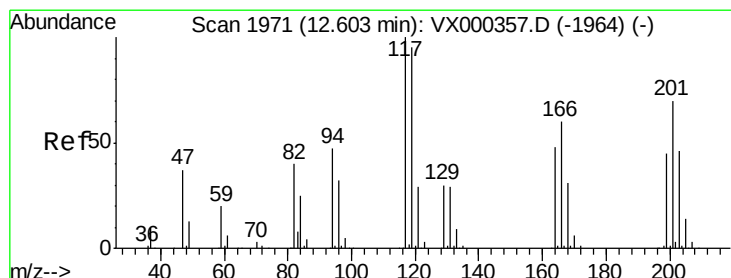
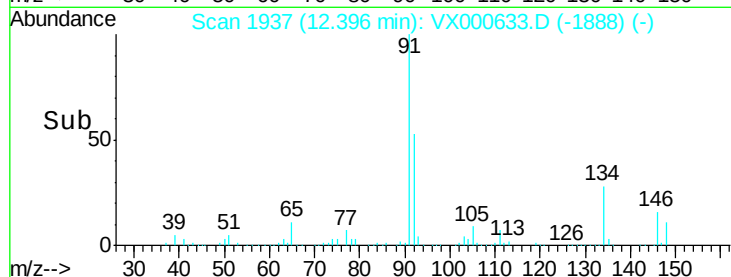
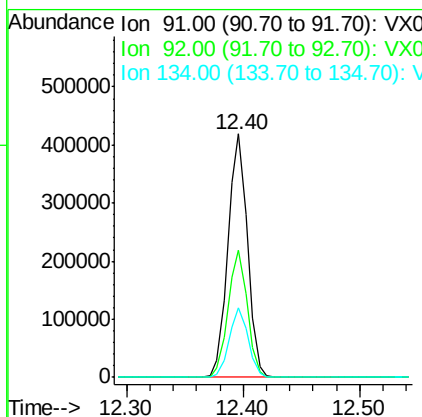
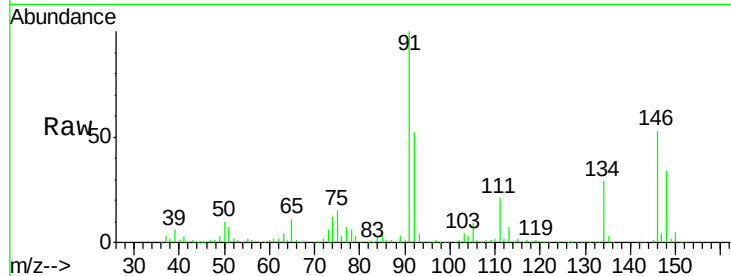
#89
n-Butylbenzene
Concen: 44.84 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tgt Ion: 91 Resp: 484970
Ion Ratio Lower Upper
91 100
92 51.8 25.9 77.8
134 27.9 13.1 39.3

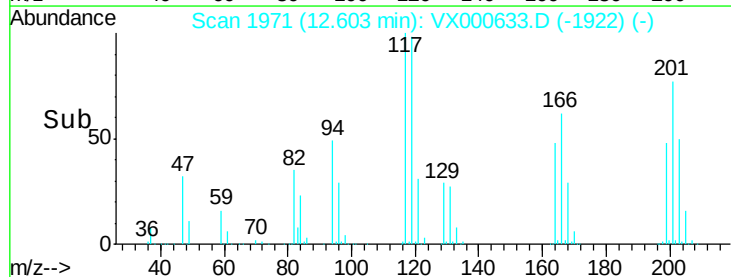
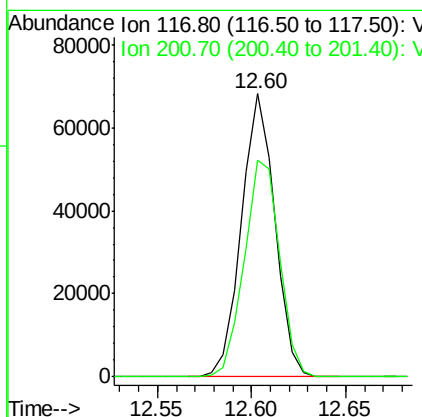
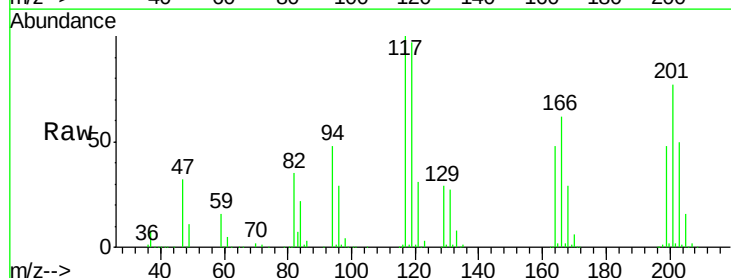
Manual Integrations
APPROVED

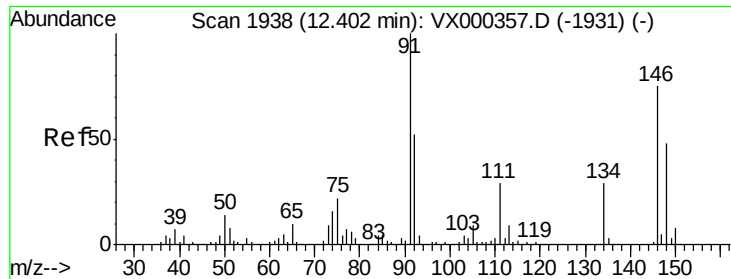
MMDadoda
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#90
Hexachloroethane
Concen: 45.87 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Tgt Ion: 117 Resp: 83869
Ion Ratio Lower Upper
117 100
201 80.8 37.9 113.6





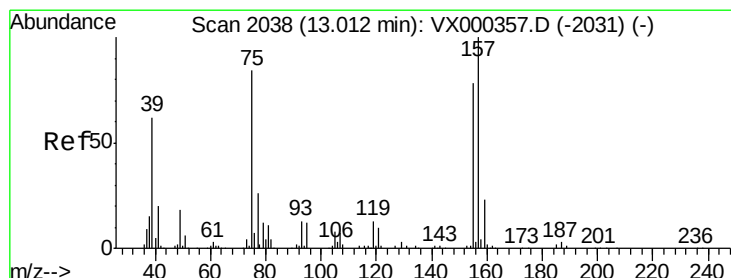
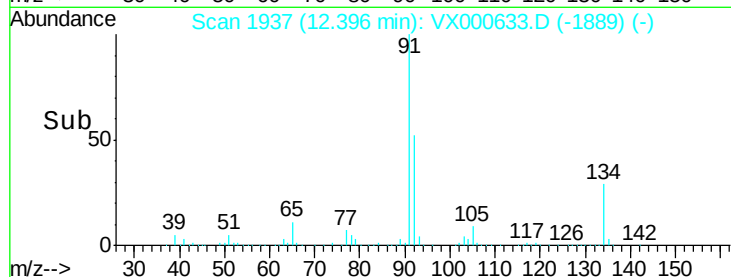
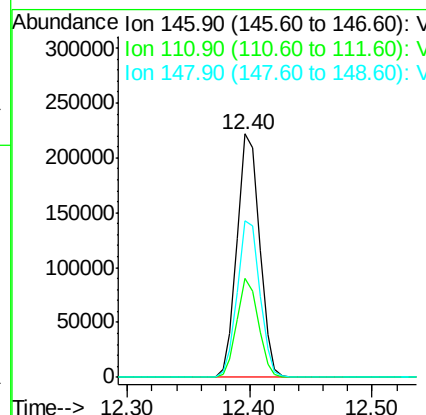
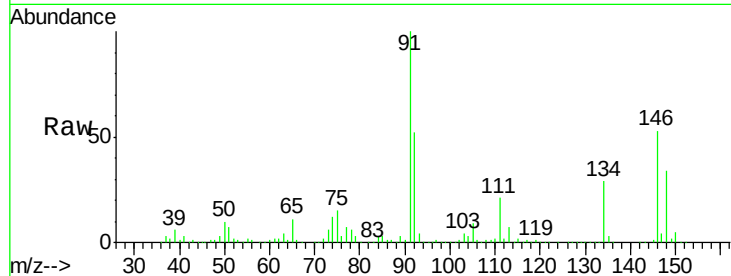
#91
 1,2-Dichlorobenzene
 Concen: 45.78 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.01 min
 Lab File: VX000633.D
 Acq: 02 Apr 2018 11:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	281809		
111	38.8	20.1	60.2	
148	64.2	31.2	93.6	

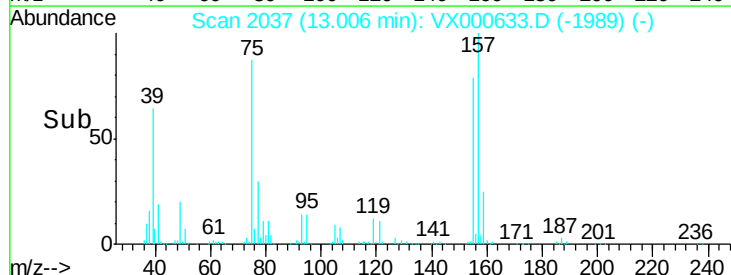
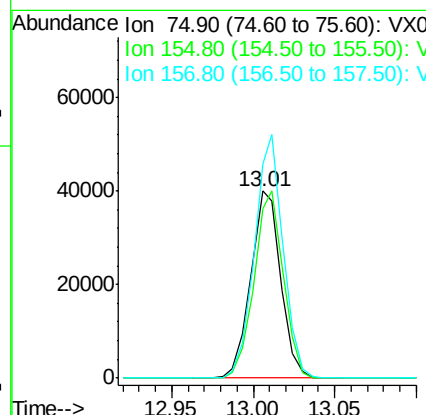
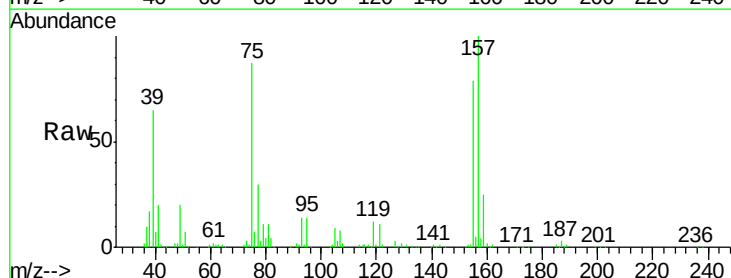
Manual Integrations
 APPROVED

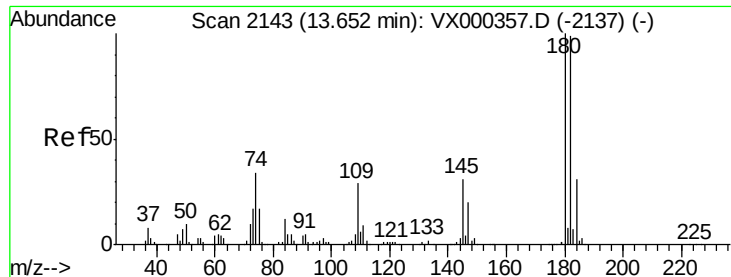
MMDadoda
 4/4/2018 5:09:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.49 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: VX000633.D
 Acq: 02 Apr 2018 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	51016		
155	97.8	45.0	134.8	
157	124.4	58.1	174.2	





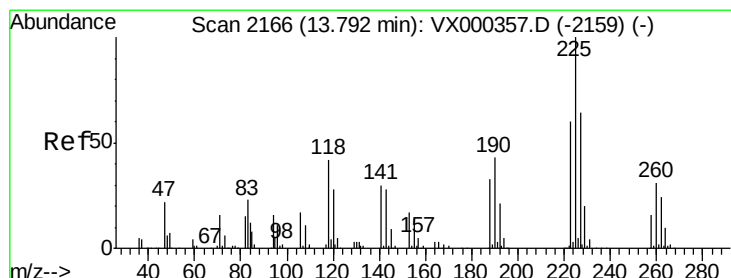
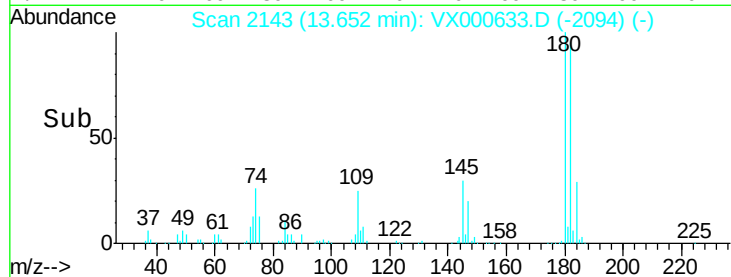
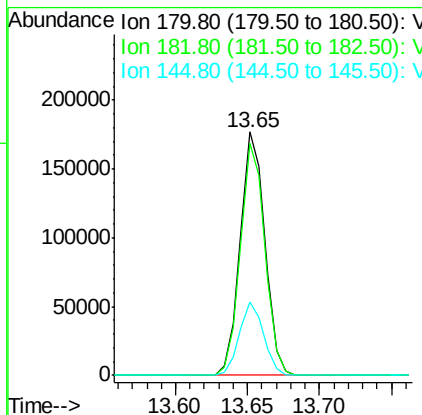
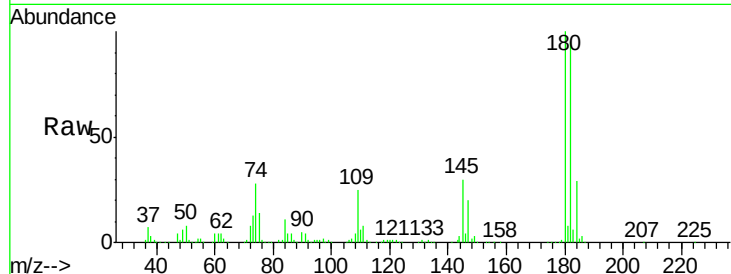
#93
 1,2,4-Trichlorobenzene
 Concen: 47.53 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000633.D
 Acq: 02 Apr 2018 11:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	209726		
182	94.8	47.6	142.9	
145	29.7	15.1	45.3	

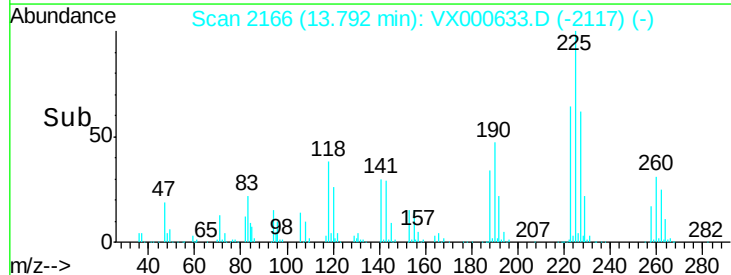
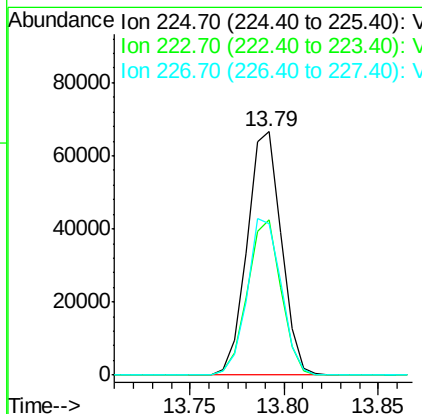
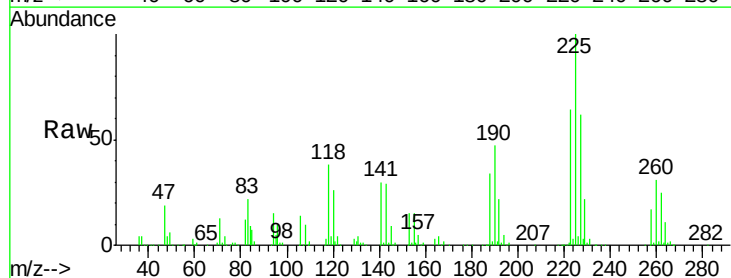
Manual Integrations
 APPROVED

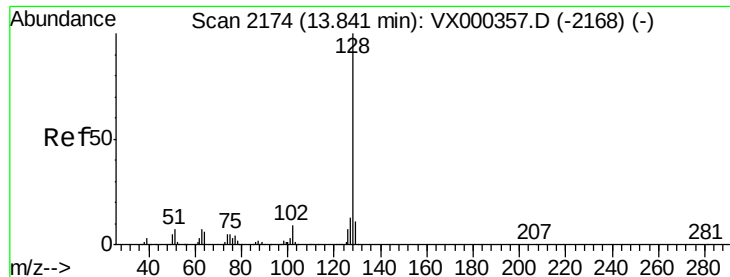
MMDadoda
 4/4/2018 5:09:27 PM



#94
 Hexachlorobutadiene
 Concen: 45.83 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VX000633.D
 Acq: 02 Apr 2018 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	83740		
223	62.7	32.0	96.0	
227	64.0	32.6	98.0	





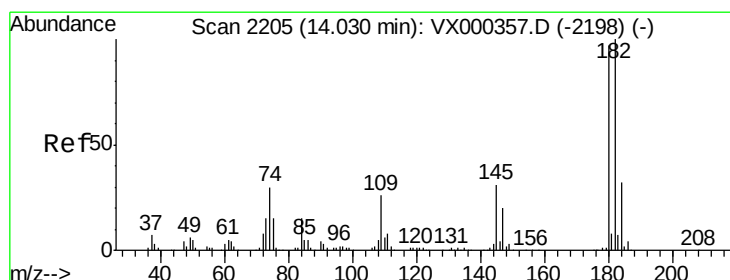
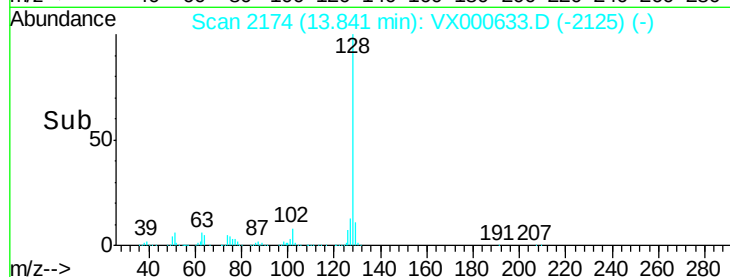
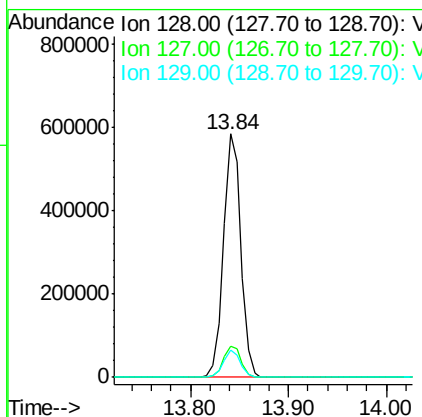
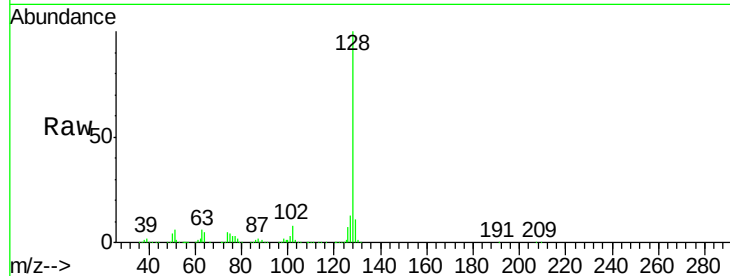
#95
Naphthalene
Concen: 46.51 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	714946		
127	13.1	10.6	15.8	
129	10.8	8.9	13.3	

Manual Integrations
APPROVED

MMDadoda
4/4/2018 5:09:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.06 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VX000633.D
Acq: 02 Apr 2018 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	205182		
182	95.2	47.4	142.3	
145	31.0	15.8	47.3	

