

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072618\
 Data File : VX003685.D
 Acq On : 26 Jul 2018 21:59
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/27/2018 5:40:35 PM

Quant Time: Jul 27 06:37:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 02:16:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	110899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	165966	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	157246	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	98072	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	80907	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
35) Dibromofluoromethane	5.51	113	64849	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	
50) Toluene-d8	8.72	98	252293	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
62) 4-Bromofluorobenzene	11.14	95	92625	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	54870	43.44	ug/l	99
3) Chloromethane	1.32	50	74921	45.03	ug/l	100
4) Vinyl Chloride	1.40	62	79240	46.57	ug/l	97
5) Bromomethane	1.64	94	42253	51.42	ug/l	94
6) Chloroethane	1.72	64	54400	47.29	ug/l	99
7) Trichlorofluoromethane	1.92	101	105986	48.39	ug/l	96
8) Diethyl Ether	2.19	74	45263	47.16	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	64901	48.14	ug/l	98
10) Methyl Iodide	2.51	142	88379	48.72	ug/l	99
11) Tert butyl alcohol	3.09	59	94653	241.05	ug/l	100
12) 1,1-Dichloroethene	2.37	96	60605	47.25	ug/l	94
13) Acrolein	2.29	56	41750	210.91	ug/l	98
14) Allyl chloride	2.73	41	124694	46.63	ug/l	98
15) Acrylonitrile	3.15	53	224661	236.79	ug/l	100
16) Acetone	2.45	43	185987	240.99	ug/l	90
17) Carbon Disulfide	2.57	76	170391	46.18	ug/l	100
18) Methyl Acetate	2.78	43	116160	49.83	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	219041	48.35	ug/l	99
20) Methylene Chloride	2.86	84	73228	47.89	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	65757	47.67	ug/l	99
22) Diisopropyl ether	3.88	45	238849	48.92	ug/l	92
23) Vinyl Acetate	3.83	43	1020622	244.04	ug/l	100
24) 1,1-Dichloroethane	3.70	63	131703	47.86	ug/l	99
25) 2-Butanone	4.71	43	286499	240.30	ug/l	100
26) 2,2-Dichloropropane	4.59	77	67924	39.04	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	70796	47.27	ug/l	97
28) Bromochloromethane	5.02	49	49406	44.74	ug/l	97
29) Tetrahydrofuran	5.17	42	189144	243.71	ug/l	99
30) Chloroform	5.22	83	120309	48.20	ug/l	99
31) Cyclohexane	5.57	56	107634	48.73	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	102541	49.47	ug/l	99
36) 1,1-Dichloropropene	5.80	75	89630	46.20	ug/l	100
37) Ethyl Acetate	4.87	43	106107	45.49	ug/l	100
38) Carbon Tetrachloride	5.78	117	90043	48.16	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	103848	48.63	ug/l	98
40) Benzene	6.15	78	278401	48.49	ug/l	100
41) Methacrylonitrile	5.07	41	59309	45.91	ug/l	99
42) 1,2-Dichloroethane	6.20	62	96616	47.82	ug/l	100
43) Isopropyl Acetate	6.48	43	162522	47.76	ug/l	99
44) Trichloroethene	7.22	130	72906	47.37	ug/l	89
45) 1,2-Dichloropropane	7.52	63	74231	50.02	ug/l	97
46) Dibromomethane	7.67	93	46576	48.86	ug/l	98
47) Bromodichloromethane	7.90	83	89311	49.97	ug/l	98
48) Methyl methacrylate	7.78	41	85932	49.76	ug/l	100
49) 1,4-Dioxane	7.76	88	38652	1003.26	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	565095	246.11	ug/l	100
52) Toluene	8.79	92	174308	48.85	ug/l	99
53) t-1,3-Dichloropropene	9.05	75	97061	49.05	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	106548	48.93	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	71811	49.23	ug/l	99
56) Ethyl methacrylate	9.18	69	110836	51.06	ug/l	100
57) 1,3-Dichloropropane	9.38	76	119902	48.95	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	282040	258.56	ug/l	100
59) 2-Hexanone	9.50	43	436335	247.73	ug/l	100
60) Dibromochloromethane	9.59	129	71496	51.68	ug/l	100
61) 1,2-Dibromoethane	9.68	107	74410	48.99	ug/l	99
64) Tetrachloroethene	9.34	164	68263	47.48	ug/l	98
65) Chlorobenzene	10.14	112	193944	49.01	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	69279	50.36	ug/l	99
67) Ethyl Benzene	10.26	91	334101	50.44	ug/l	100
68) m/p-Xylenes	10.36	106	260940	102.68	ug/l	100
69) o-Xylene	10.70	106	125663	51.37	ug/l	100
70) Styrene	10.71	104	213599	51.98	ug/l	100
71) Bromoform	10.86	173	56236	51.69	ug/l #	99
73) Isopropylbenzene	11.02	105	338383	50.50	ug/l	99
74) N-amyl acetate	6.48	43	162522	46.51	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	116217	46.97	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	98414m	47.84	ug/l	
77) Bromobenzene	11.26	156	88542	48.65	ug/l	100
78) n-propylbenzene	11.36	91	394891	51.04	ug/l	100
79) 2-Chlorotoluene	11.42	91	232229	49.38	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	290254	51.20	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	31839	47.96	ug/l	99
82) 4-Chlorotoluene	11.51	91	274925	49.63	ug/l	100
83) tert-Butylbenzene	11.77	119	280747	50.61	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	296032	50.81	ug/l	100
85) sec-Butylbenzene	11.95	105	337004	50.90	ug/l	100
86) p-Isopropyltoluene	12.07	119	302054	50.83	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	164717	48.60	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	167907	47.65	ug/l	100
89) n-Butylbenzene	12.39	91	263716	49.24	ug/l	100
90) Hexachloroethane	12.60	117	47572	52.86	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	167755	48.44	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	26051	50.58	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	119788	48.48	ug/l	99
94) Hexachlorobutadiene	13.79	225	53253	46.58	ug/l	99
95) Naphthalene	13.83	128	382665	51.20	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	125175	49.87	ug/l	100

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

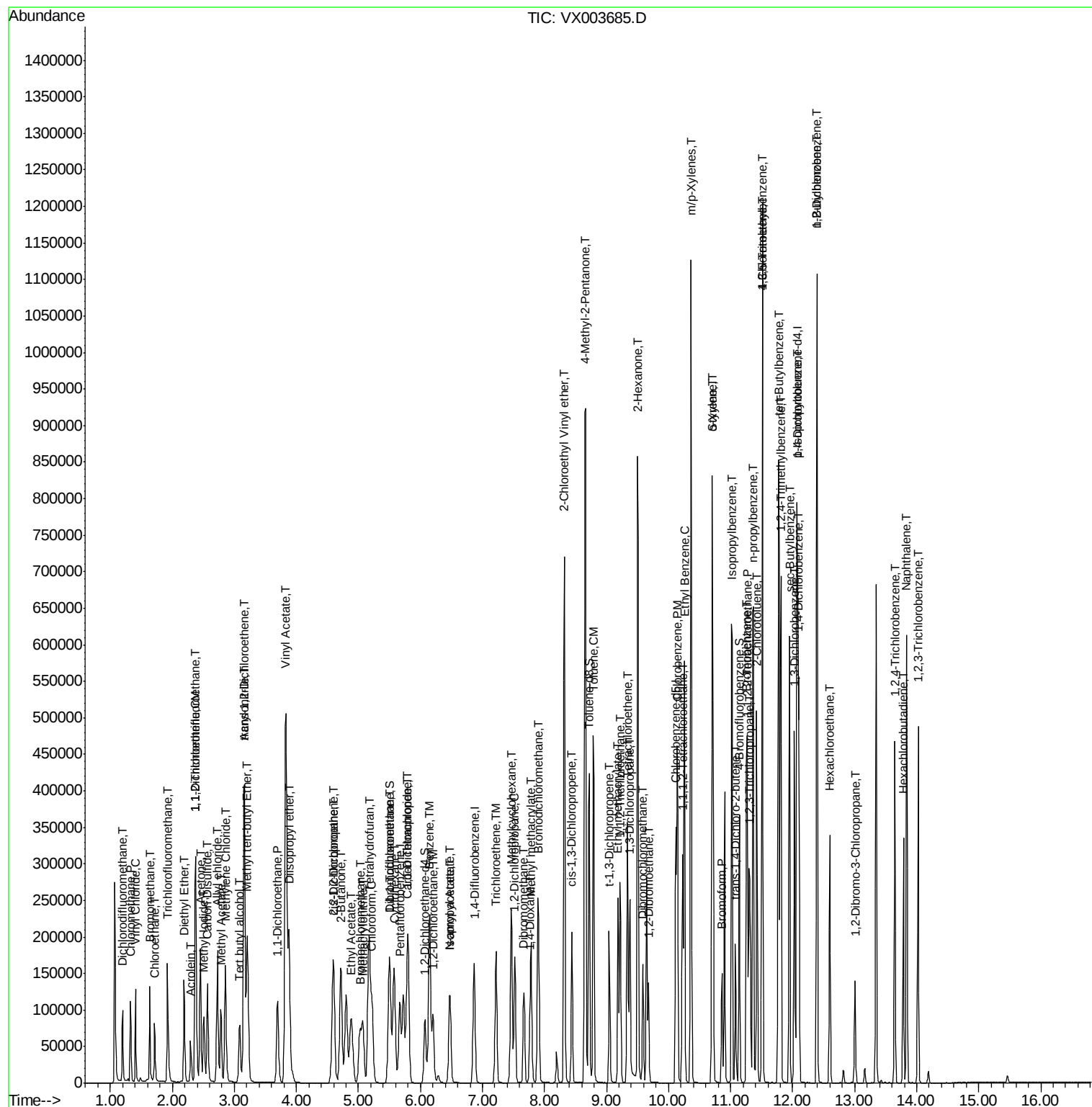
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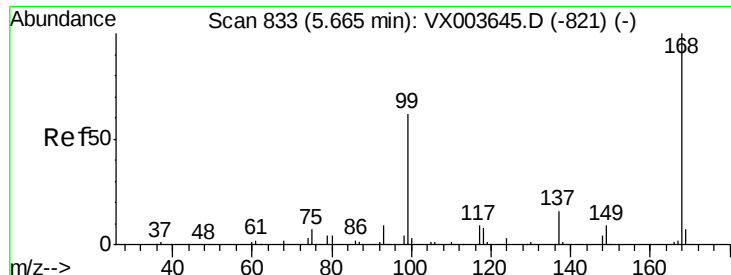
Instrument :
 MSVOA_X
 Client Sample ID :
 VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 110899

Ion Ratio Lower Upper

168 100

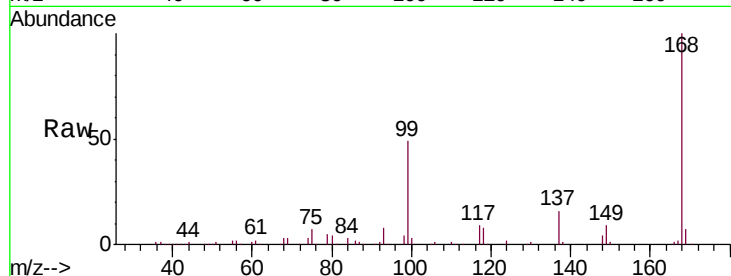
99 48.6 49.5 74.3#

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

30000

20000

10000

0

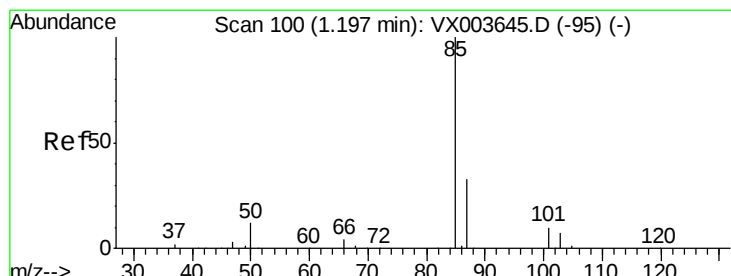
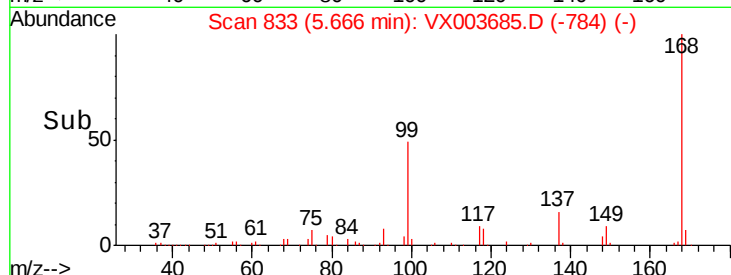
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 43.44 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003685.D

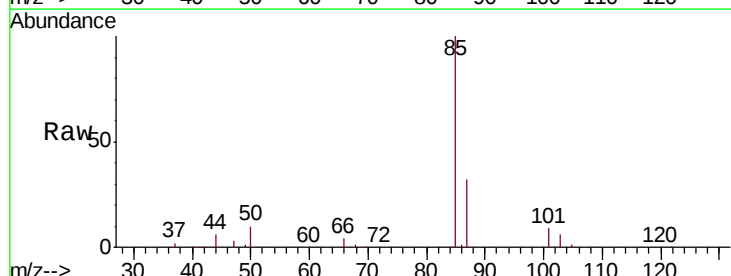
Acq: 26 Jul 2018 21:59

Tgt Ion: 85 Resp: 54870

Ion Ratio Lower Upper

85 100

87 32.2 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

30000

20000

10000

0

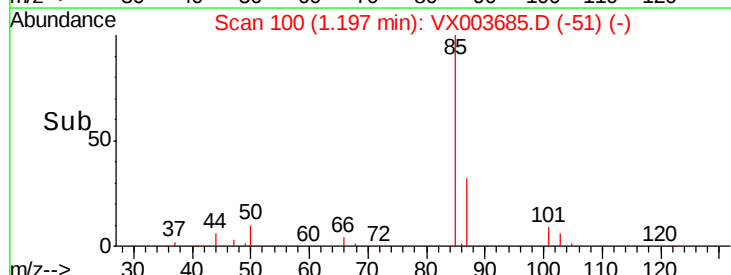
1.15

1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 45.03 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 74921

Ion Ratio Lower Upper

50 100

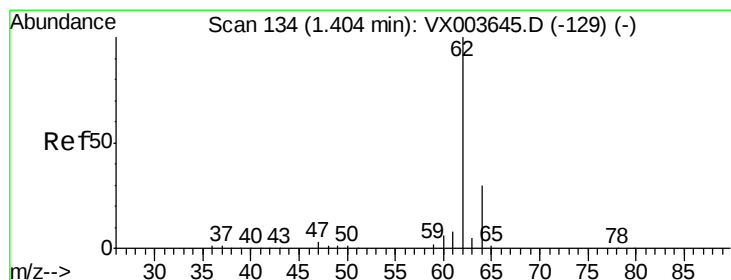
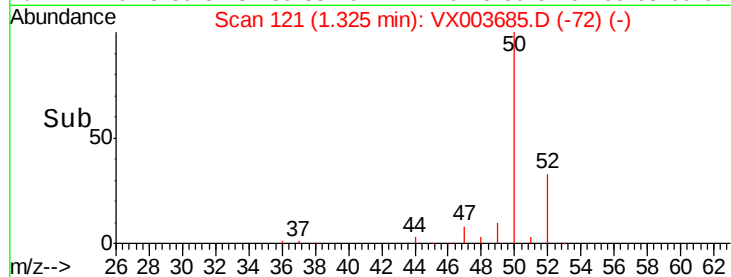
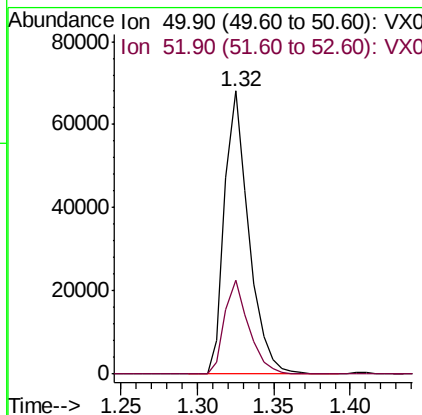
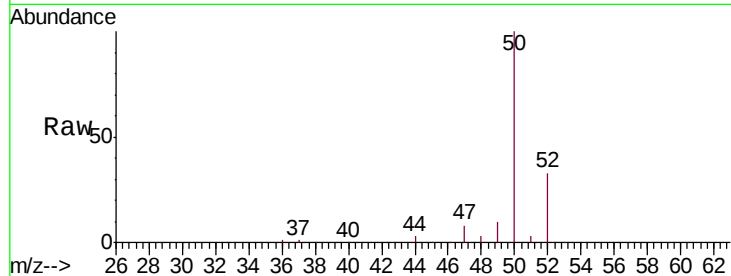
52 33.2 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.57 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003685.D

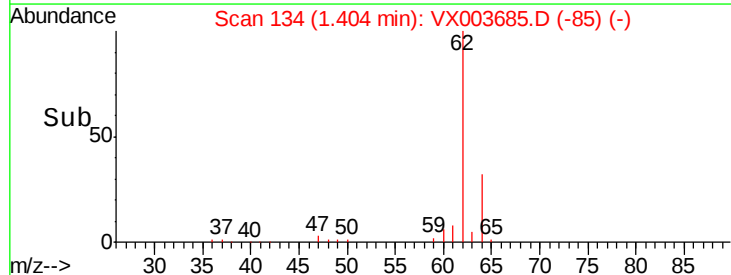
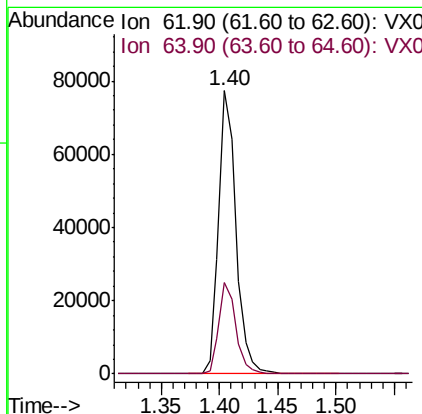
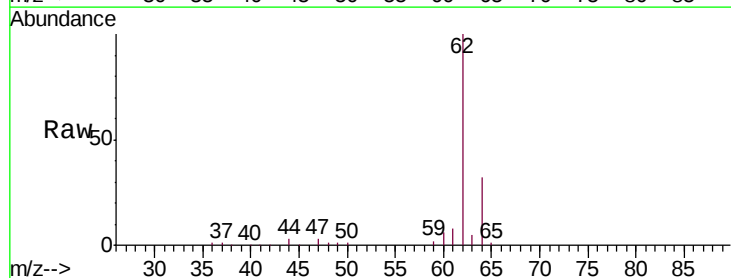
Acq: 26 Jul 2018 21:59

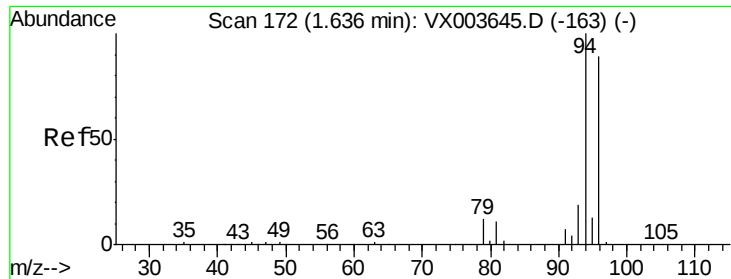
Tgt Ion: 62 Resp: 79240

Ion Ratio Lower Upper

62 100

64 32.1 24.4 36.6





#5

Bromomethane

Concen: 51.42 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 42253

Ion Ratio Lower Upper

94 100

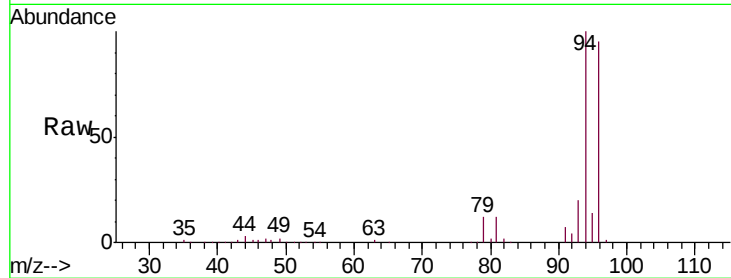
96 94.6 71.3 106.9

Manual Integrations

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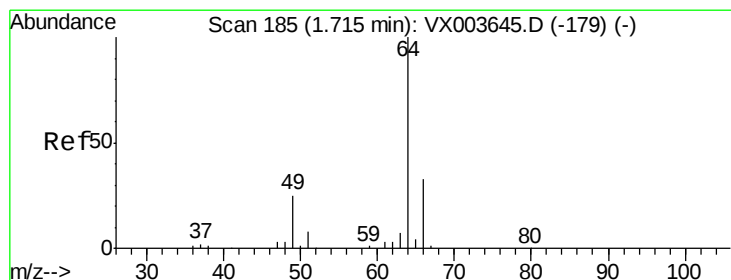
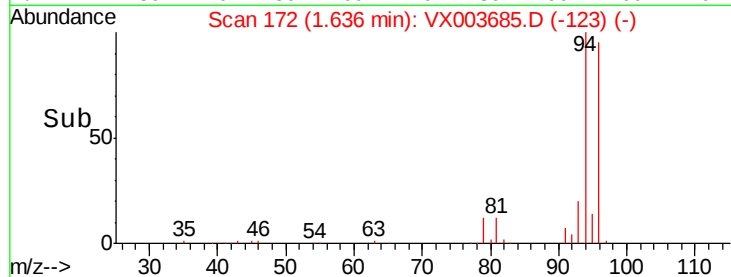
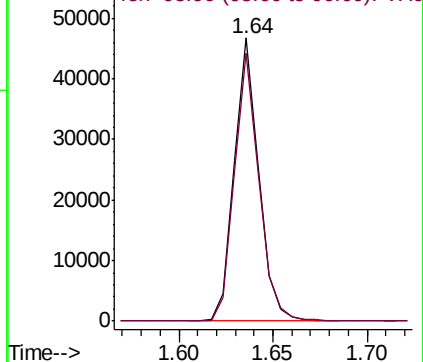
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 47.29 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003685.D

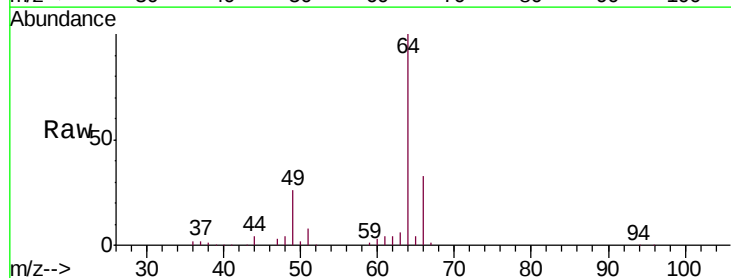
Acq: 26 Jul 2018 21:59

Tgt Ion: 64 Resp: 54400

Ion Ratio Lower Upper

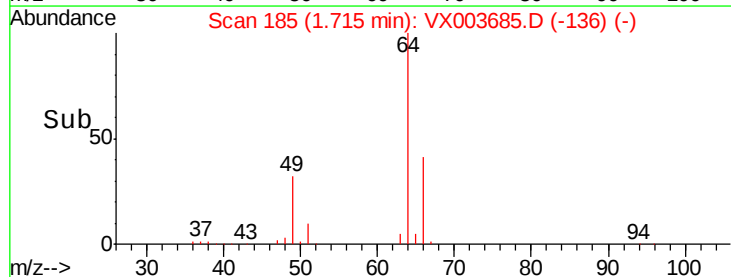
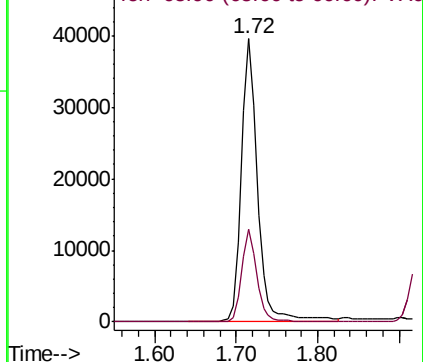
64 100

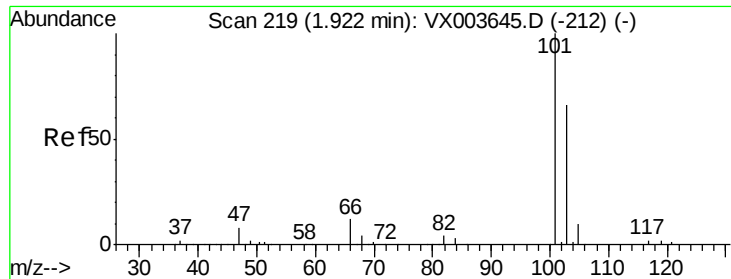
66 32.6 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

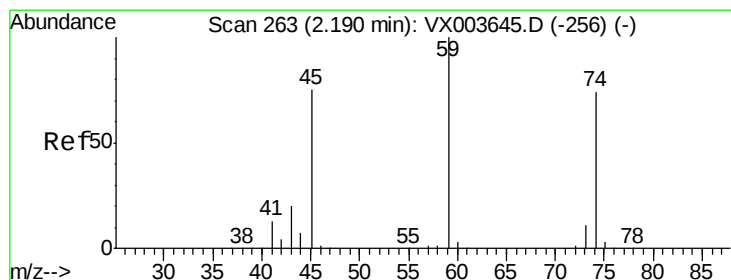
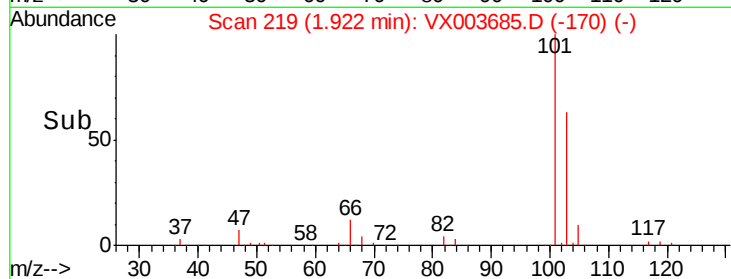
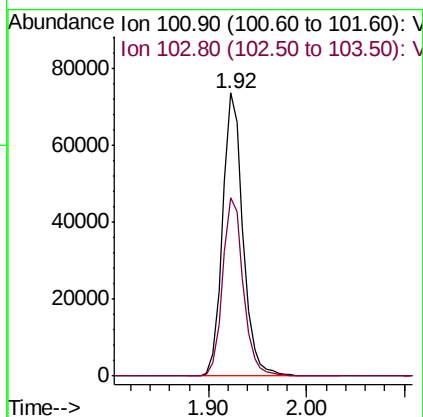
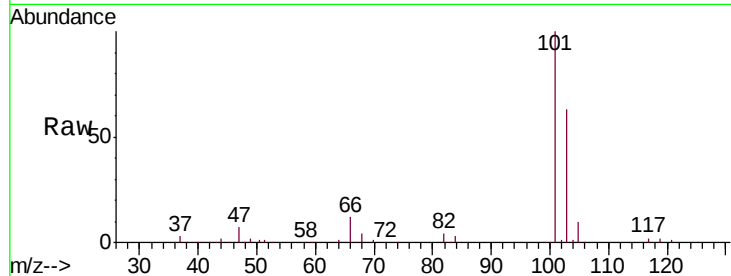
Trichlorofluoromethane
Concen: 48.39 ug/l
RT: 1.92 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX003685.D
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Tot Ion:101 Resp: 105986
Ion Ratio Lower Upper
101 100
103 63.2 53.2 79.8

Manual Integrations
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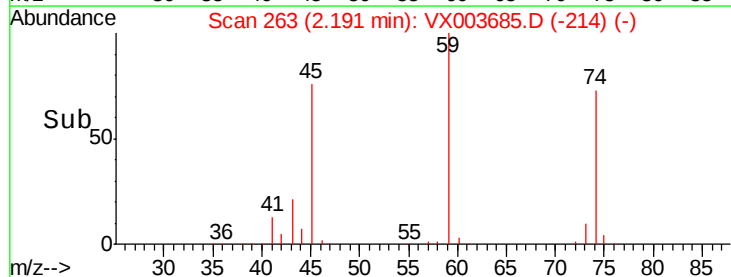
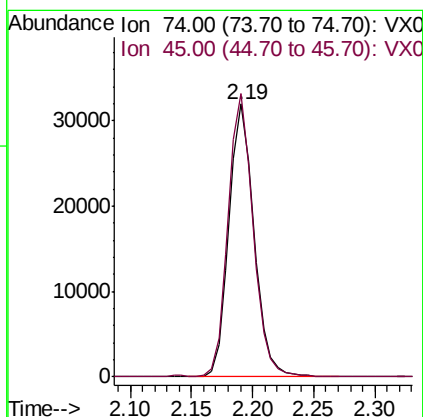
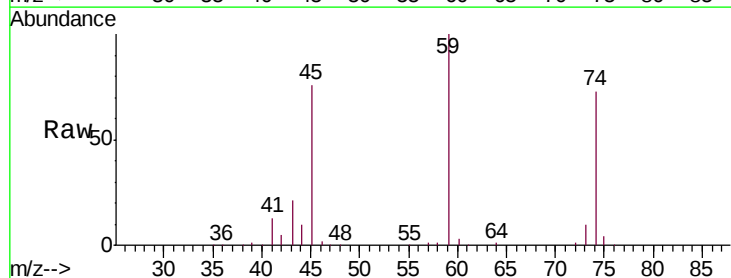
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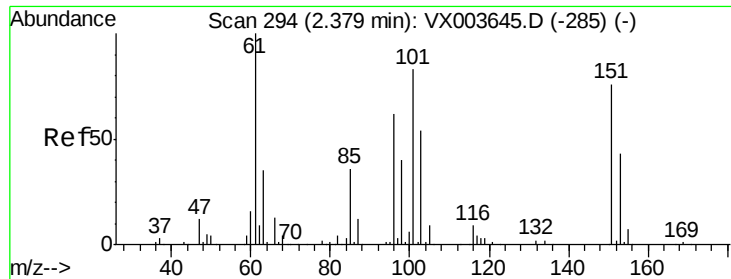


#8

Diethyl Ether
Concen: 47.16 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Tgt Ion: 74 Resp: 45263
Ion Ratio Lower Upper
74 100
45 102.8 51.0 153.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.14 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

Instrument :

MSVOA_X

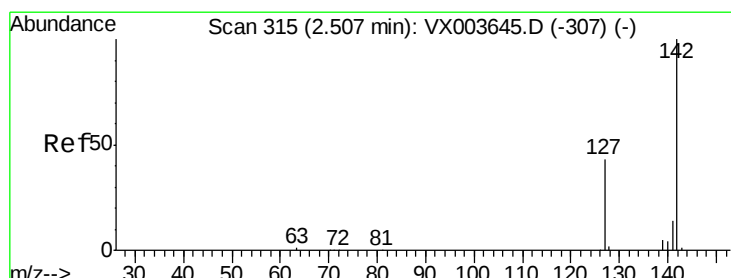
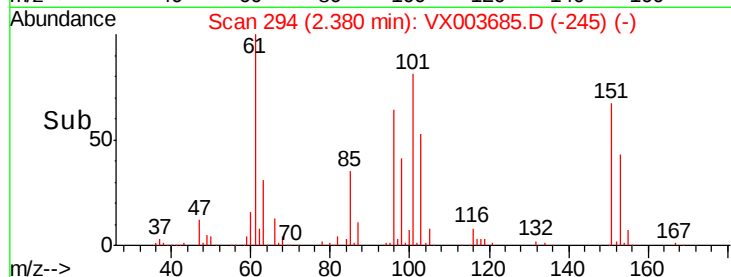
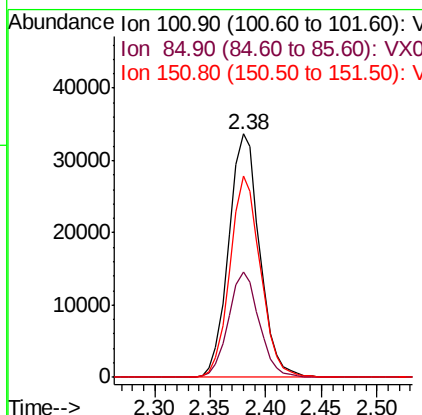
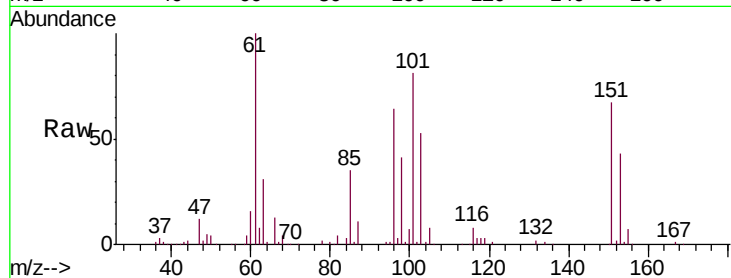
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	64901
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.6	52.0
151	81.5	67.5	101.3

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#10

Methyl Iodide

Concen: 48.72 ug/l

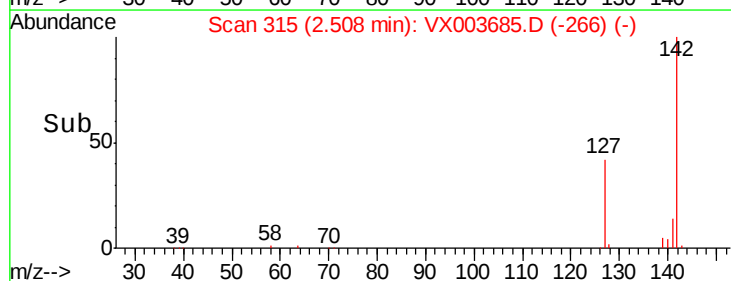
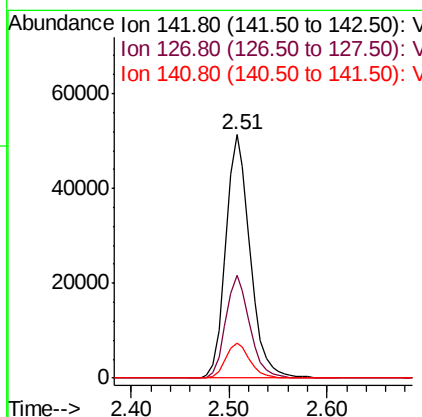
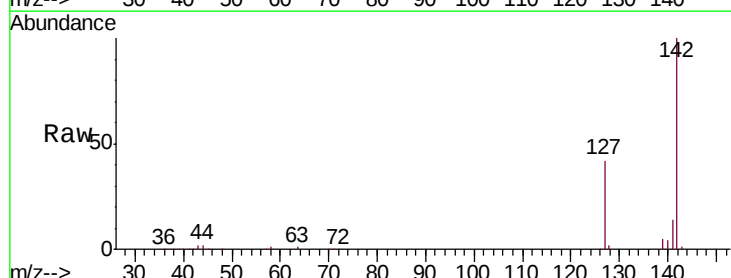
RT: 2.51 min Scan# 315

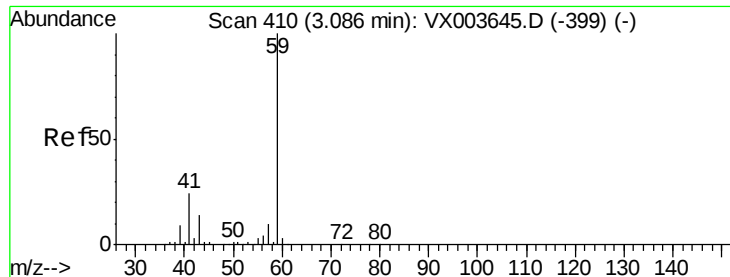
Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

Tgt Ion:	142	Resp:	88379
Ion Ratio	Lower	Upper	
142	100		
127	41.9	34.0	51.0
141	14.3	11.3	16.9





#11

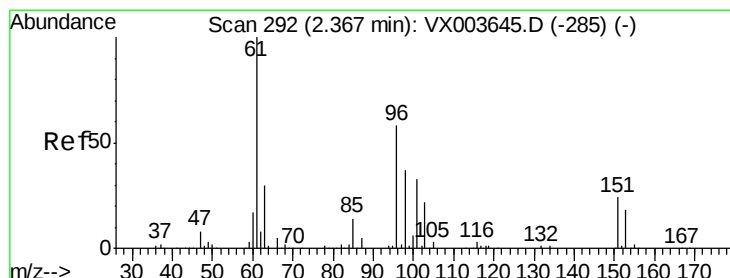
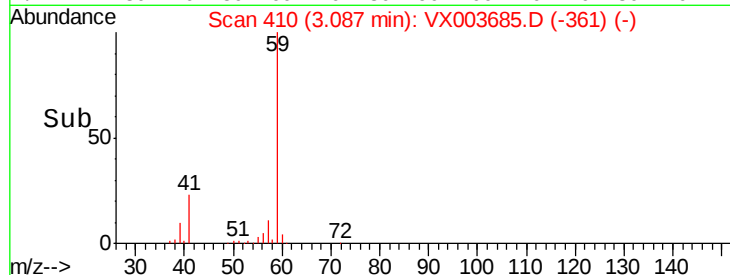
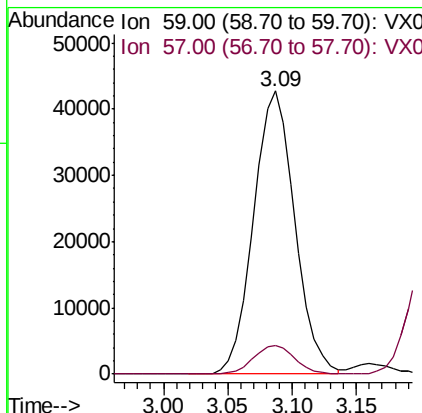
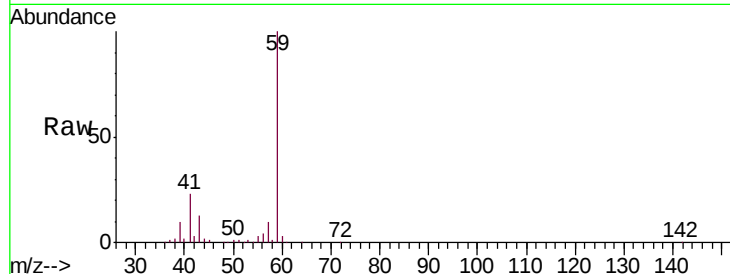
Tert butyl alcohol
 Concen: 241.05 ug/l
 RT: 3.09 min Scan# 410
 Delta R.T. 0.00 min
 Lab File: VX003685.D
 Acq: 26 Jul 2018 21:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	94653
Ion Ratio	100	Lower	Upper
57	10.3	8.2	12.4

Manual Integrations
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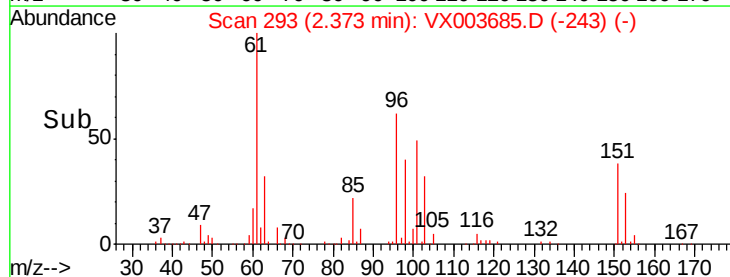
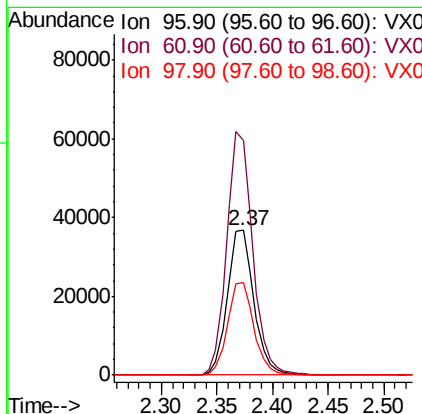
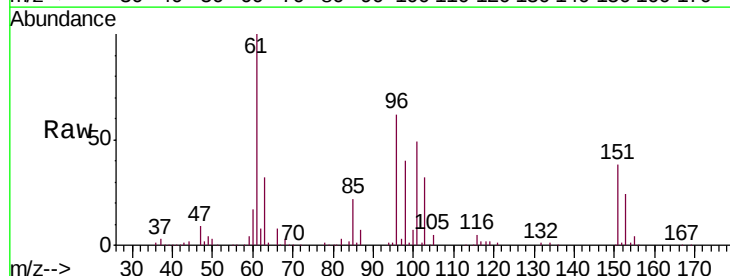
MMDadoda
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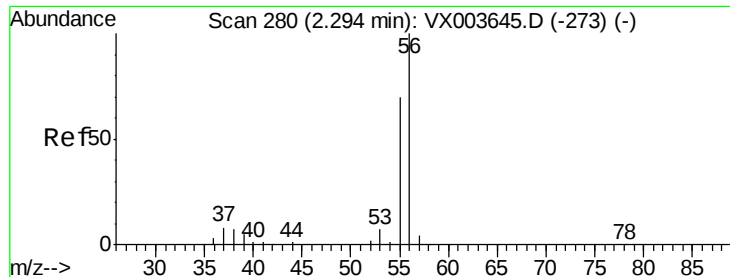


#12

1,1-Dichloroethene
 Concen: 47.25 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VX003685.D
 Acq: 26 Jul 2018 21:59

Tgt Ion	96	Resp	60605
Ion Ratio	100	Lower	Upper
61	161.9	138.8	208.2
98	64.0	51.4	77.2





#13

Acrolein

Concen: 210.91 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 41750

Ion Ratio Lower Upper

56 100

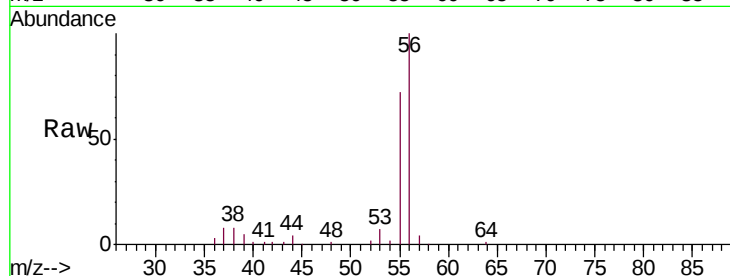
55 70.5 55.4 83.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

25000

20000

15000

10000

5000

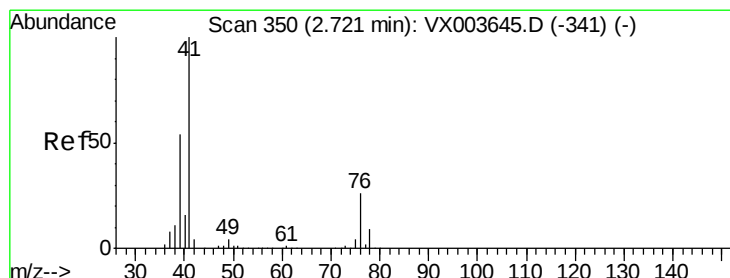
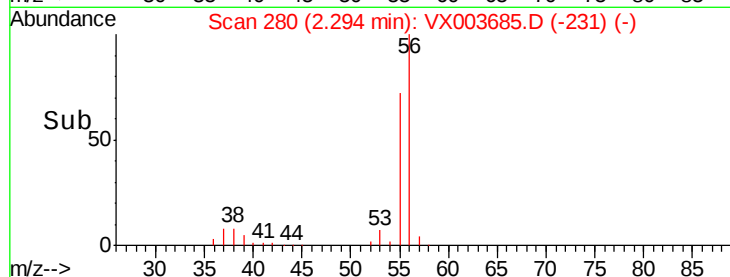
0

Time-->

2.20

2.30

2.40



#14

Allyl chloride

Concen: 46.63 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.01 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

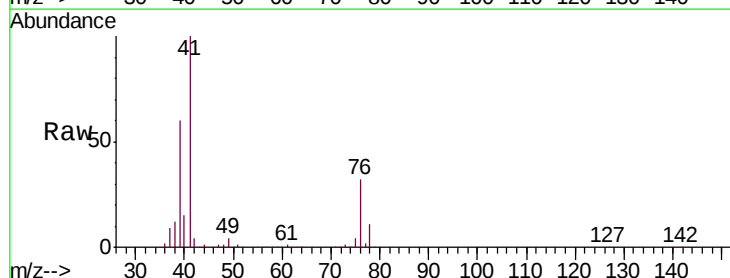
Tgt Ion: 41 Resp: 124694

Ion Ratio Lower Upper

41 100

39 57.8 45.3 67.9

76 30.5 23.8 35.6



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

2.73

80000

60000

40000

20000

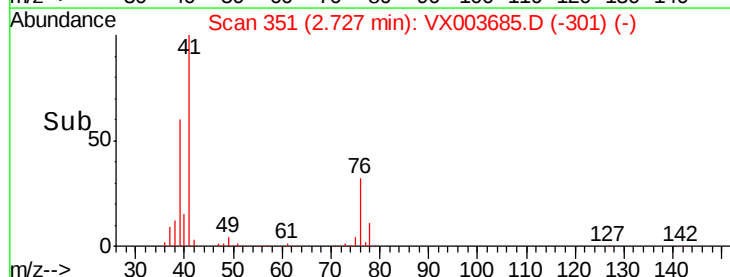
0

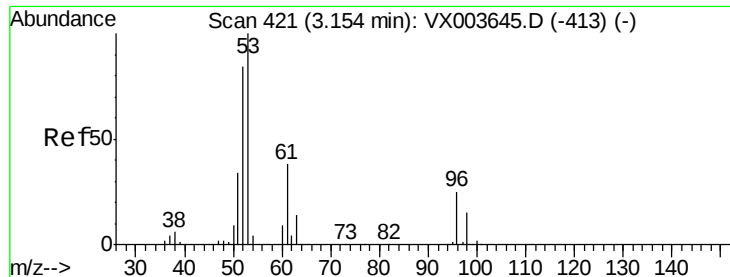
Time-->

2.60

2.70

2.80





#15

Acrylonitrile

Concen: 236.79 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

Instrument :

MSVOA_X

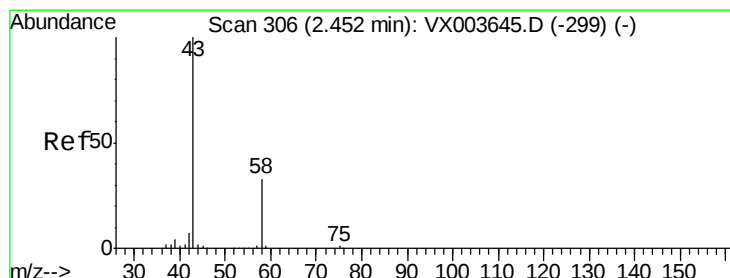
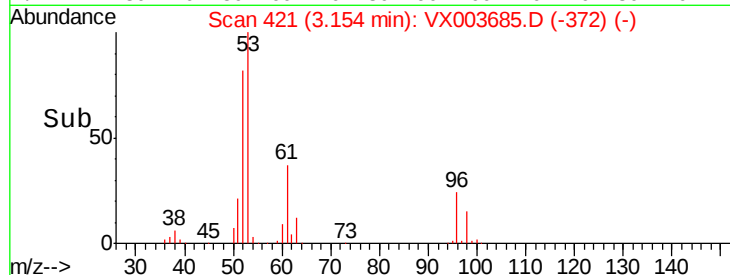
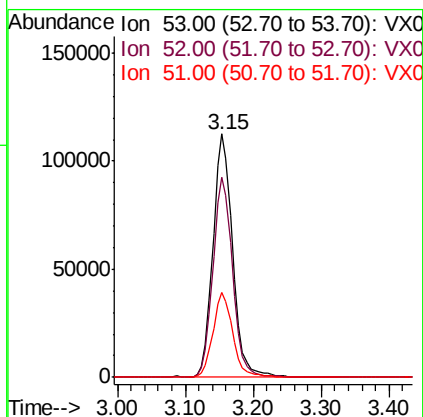
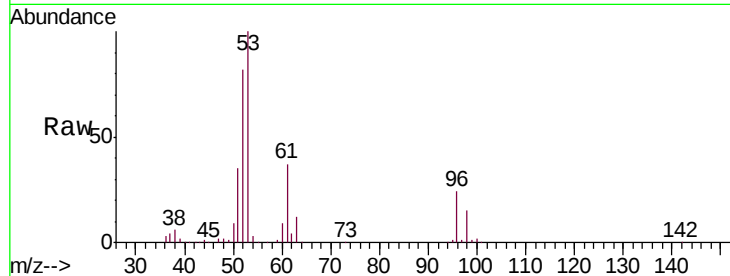
ClientSampled :

VSTDCCC050EC

Tot Ion:	53	Resp:	224661
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.1	99.1
51	35.6	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 240.99 ug/l

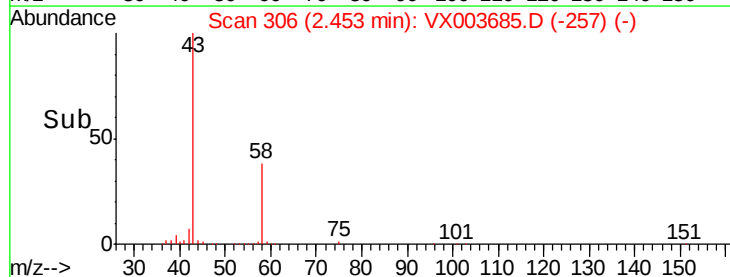
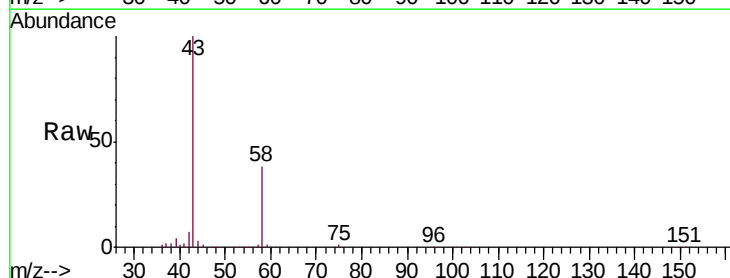
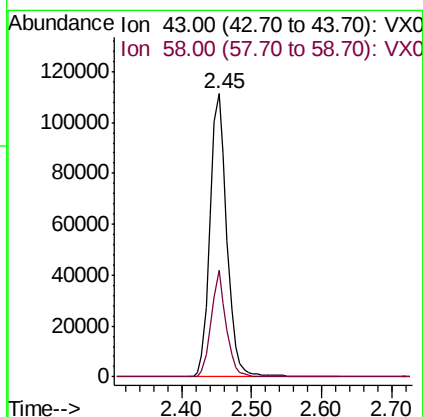
RT: 2.45 min Scan# 306

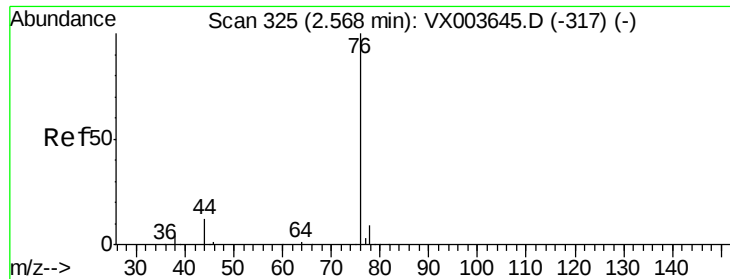
Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

Tgt Ion:	43	Resp:	185987
Ion Ratio	Lower	Upper	
43	100		
58	38.0	26.1	39.1





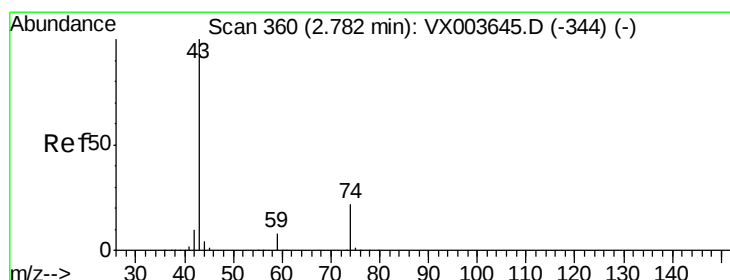
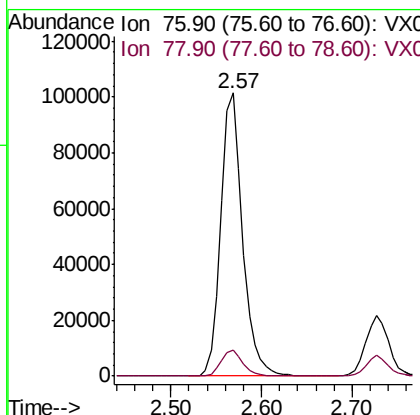
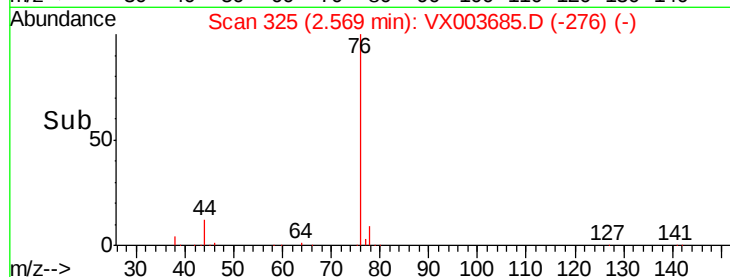
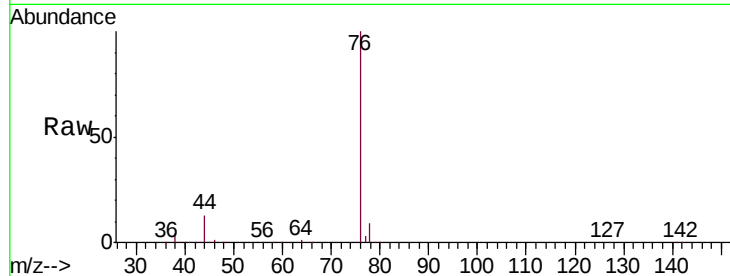
#17
Carbon Disulfide
Concen: 46.18 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

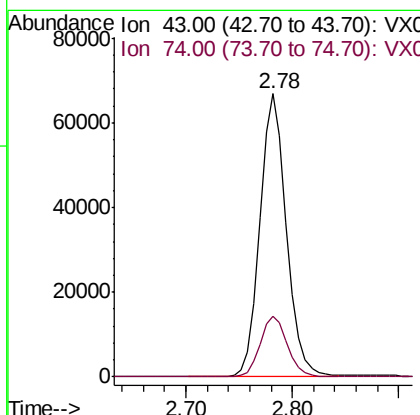
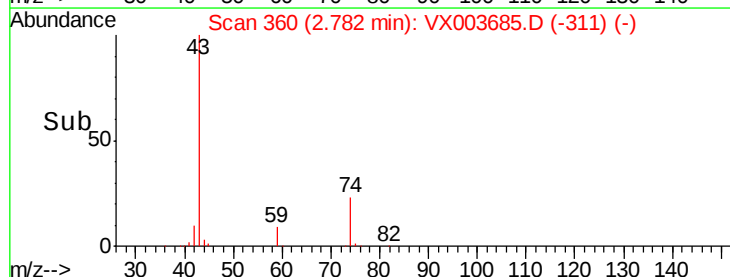
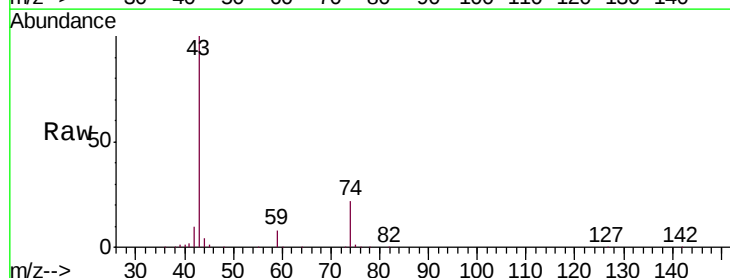
Manual Integrations
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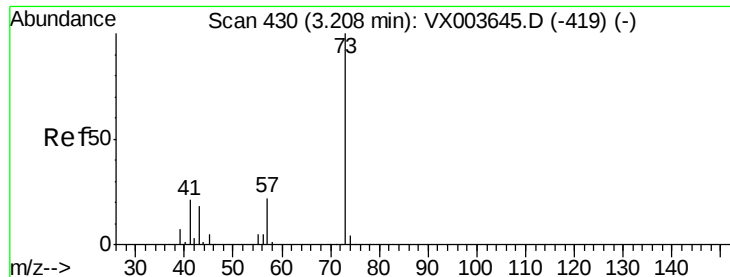
MMDadoda
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#18
Methyl Acetate
Concen: 49.83 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	17.8	26.8





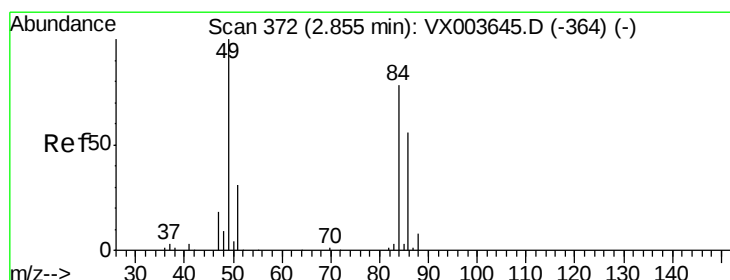
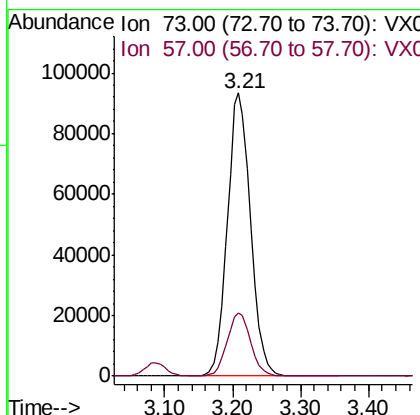
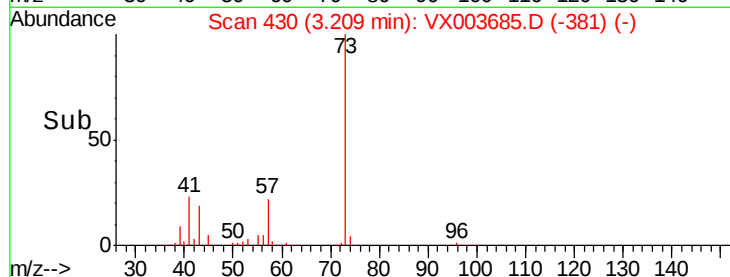
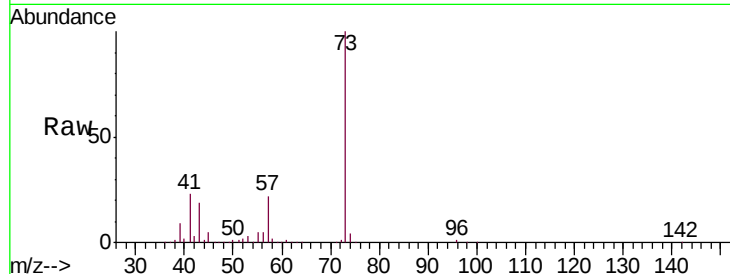
#19
Methyl tert-butyl Ether
Concen: 48.35 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 219041
Ion Ratio Lower Upper
73 100
57 22.4 17.4 26.2

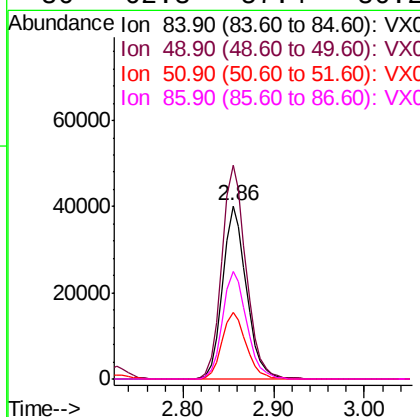
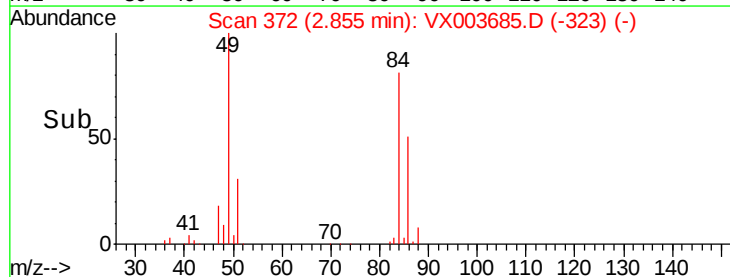
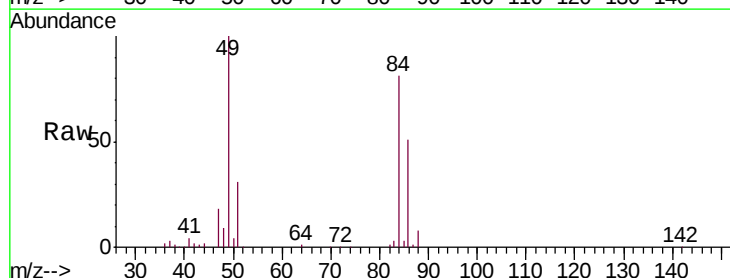
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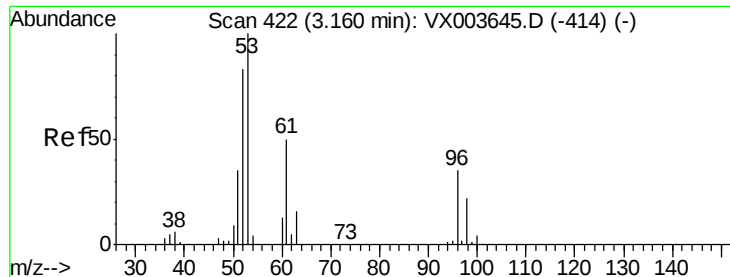
MMDadoda
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#20
Methylene Chloride
Concen: 47.89 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Tgt Ion: 84 Resp: 73228
Ion Ratio Lower Upper
84 100
49 123.3 102.3 153.5
51 38.6 31.8 47.8
86 62.3 57.4 86.2





#21

trans-1,2-Dichloroethene

Concen: 47.67 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

Instrument :

MSVOA_X

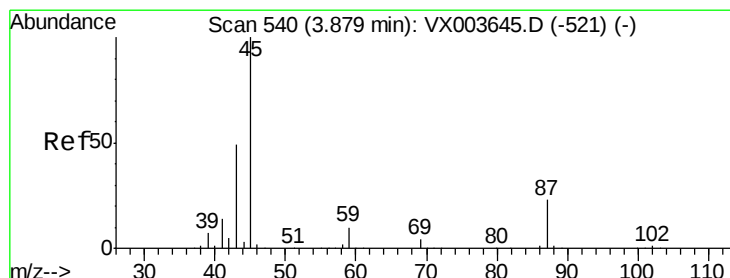
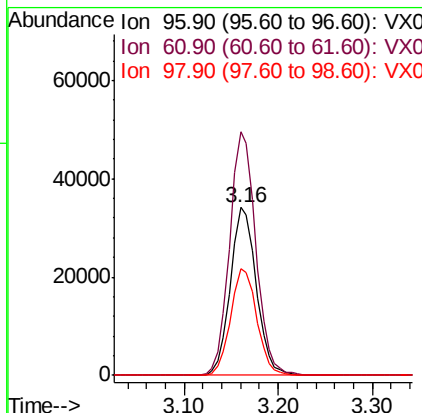
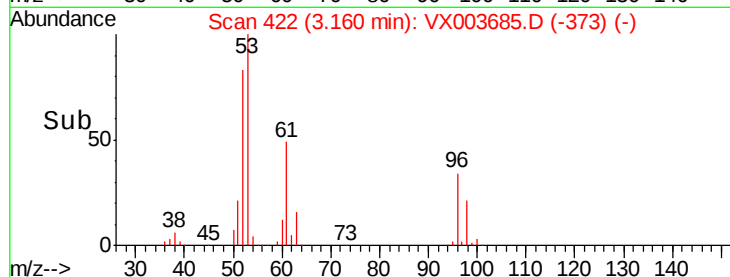
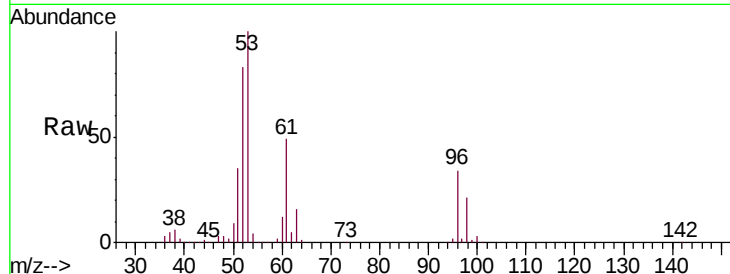
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	65757
Ion	Ratio	Lower	Upper
96	100		
61	144.9	115.0	172.4
98	63.5	49.7	74.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.92 ug/l

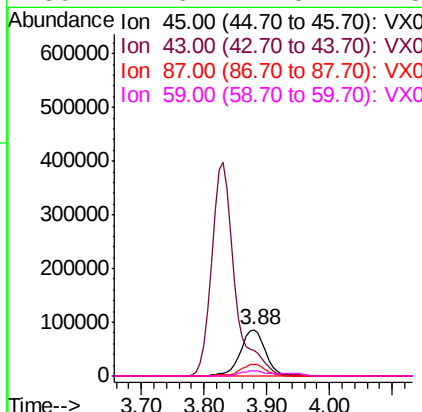
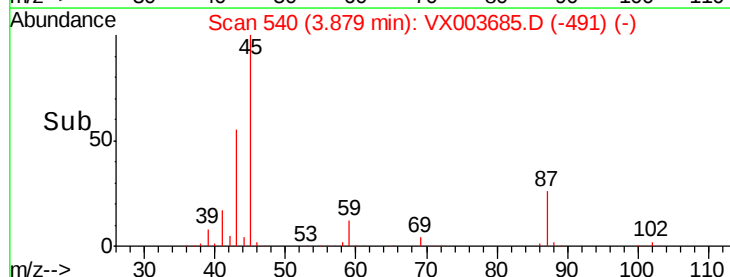
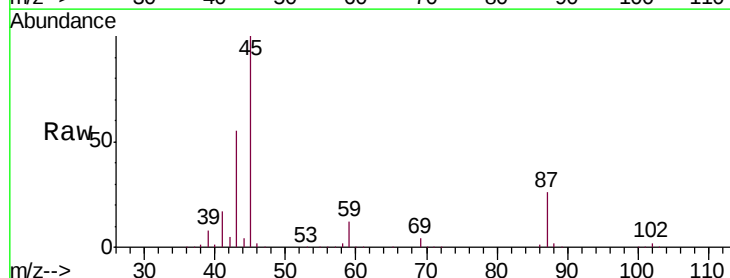
RT: 3.88 min Scan# 540

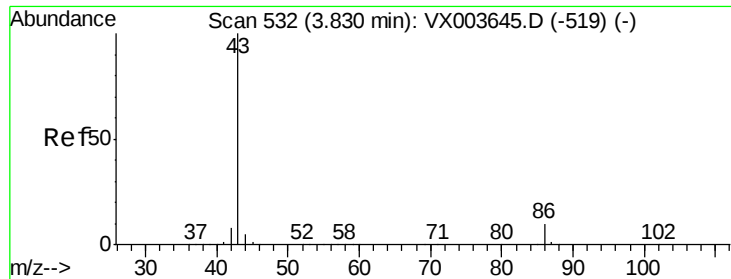
Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

Tgt Ion:	45	Resp:	238849
Ion	Ratio	Lower	Upper
45	100		
43	54.9	39.0	58.4
87	26.2	18.4	27.6
59	11.6	7.8	11.8





#23

Vinyl Acetate

Concen: 244.04 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1020622

Ion Ratio Lower Upper

43 100

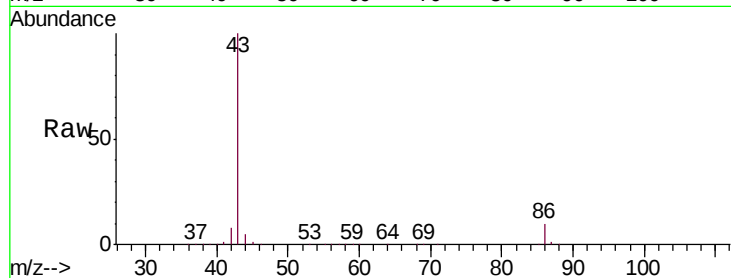
86 9.7 7.7 11.5

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

400000

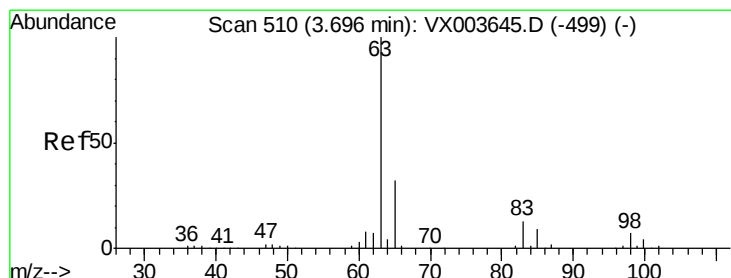
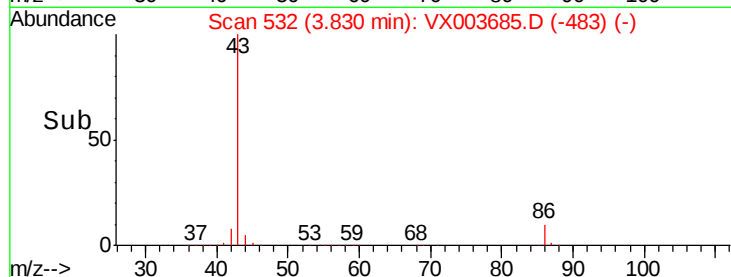
300000

200000

100000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 47.86 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

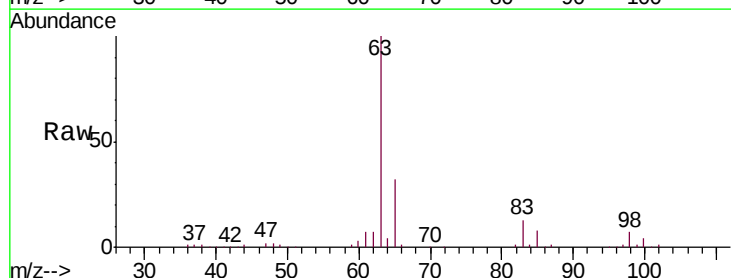
Tgt Ion: 63 Resp: 131703

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 3.9 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

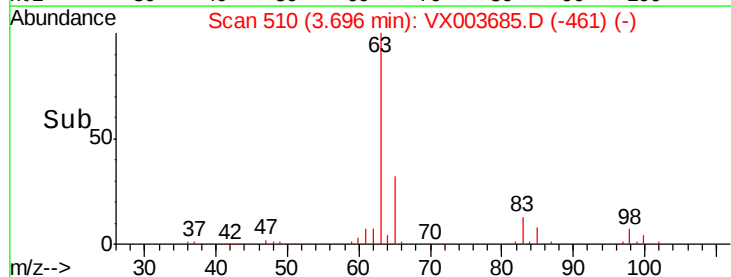
60000

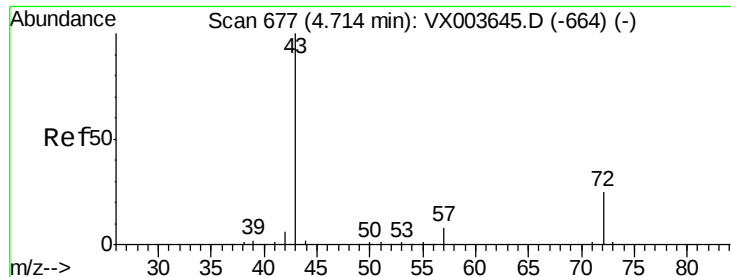
40000

20000

0

Time--> 3.60 3.70 3.80 3.90





#25

2-Butanone

Concen: 240.30 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 286499

Ion Ratio Lower Upper

43 100

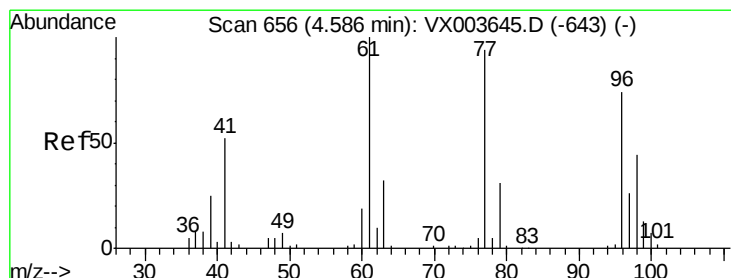
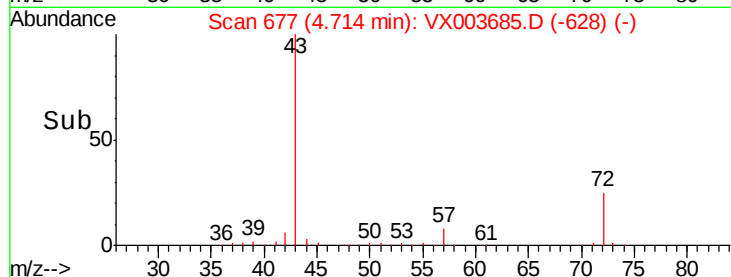
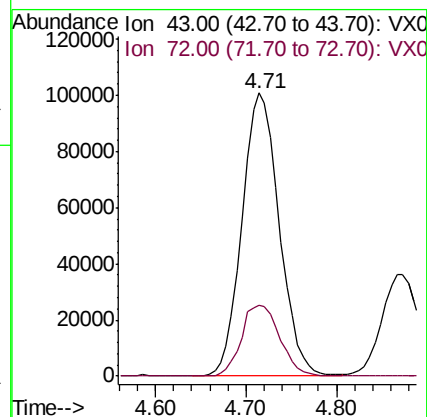
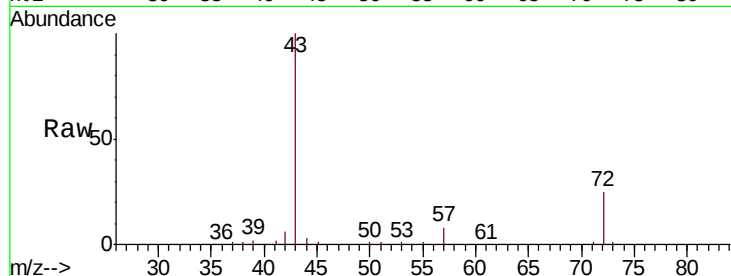
72 25.3 20.2 30.4

Manual Integrations

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MMDadoda

7/27/2018 5:40:35 PM



#26

2,2-Dichloropropane

Concen: 39.04 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003685.D

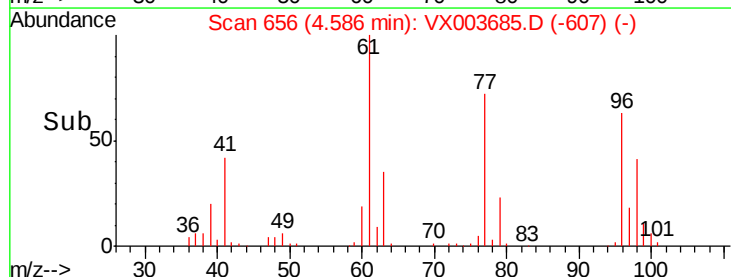
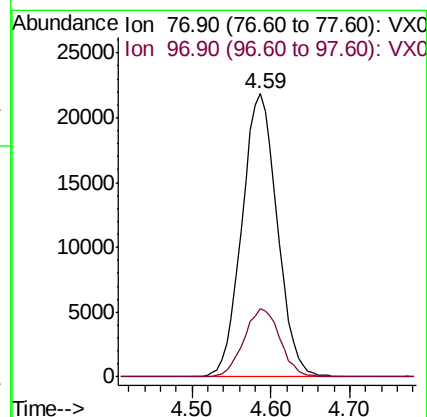
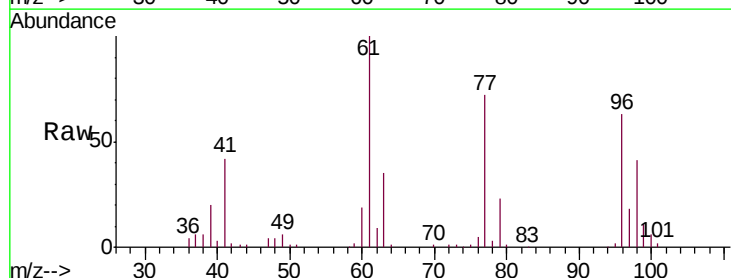
Acq: 26 Jul 2018 21:59

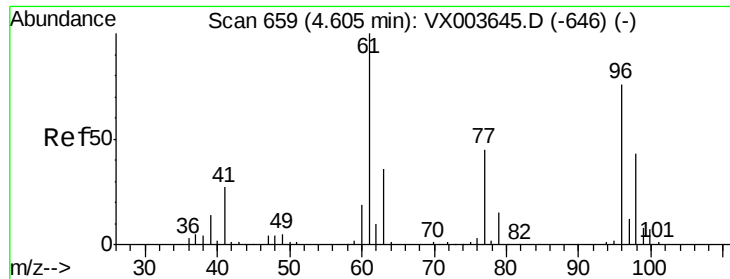
Tgt Ion: 77 Resp: 67924

Ion Ratio Lower Upper

77 100

97 24.7 12.0 36.0





#27

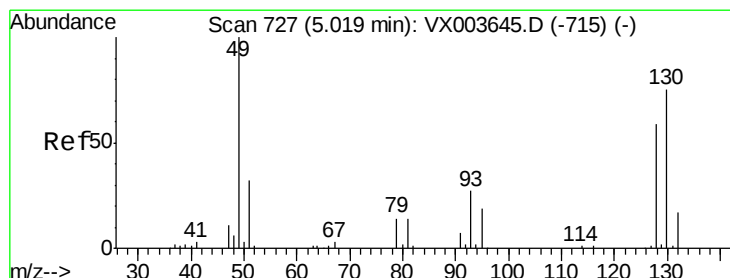
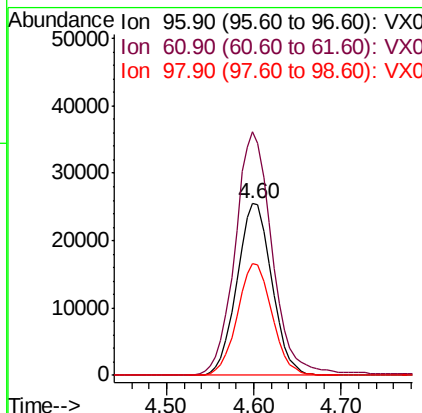
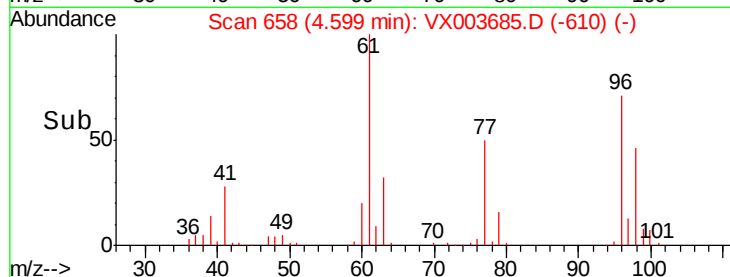
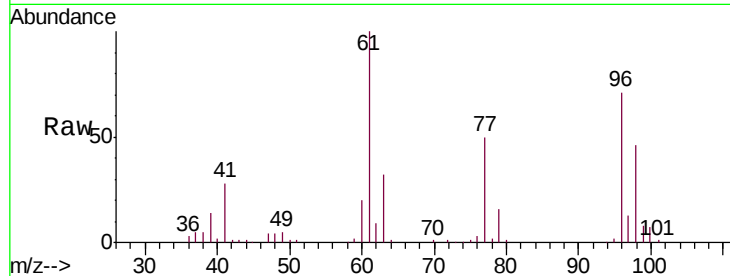
cis-1,2-Dichloroethene
Concen: 47.27 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	70796		
61	152.1		0.0	313.6
98	64.6		0.0	125.6

Manual Integrations
APPROVED

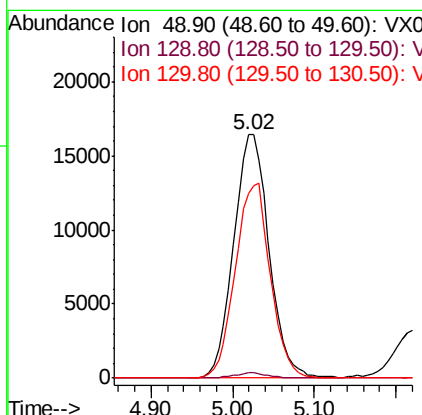
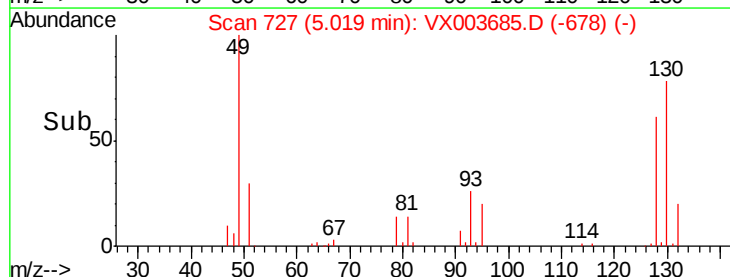
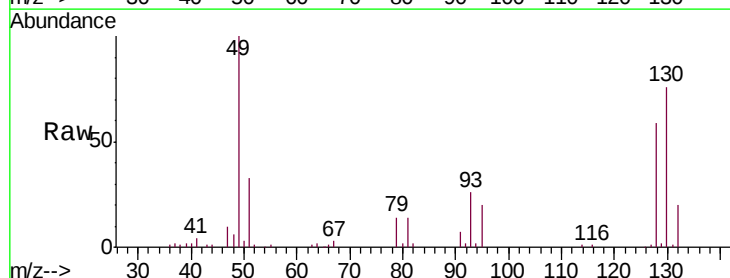
MMDadoda
7/27/2018 5:40:35 PM

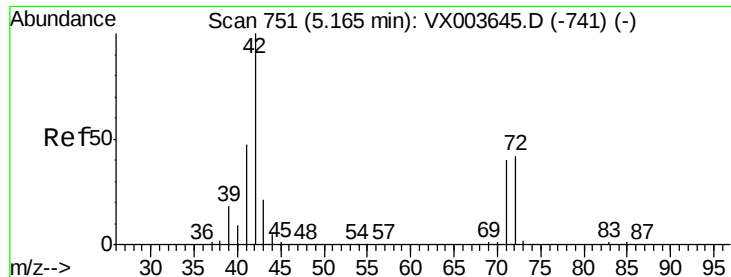


#28

Bromochloromethane
Concen: 44.74 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	49406		
129	1.9		0.0	4.2
130	79.1		61.0	91.6





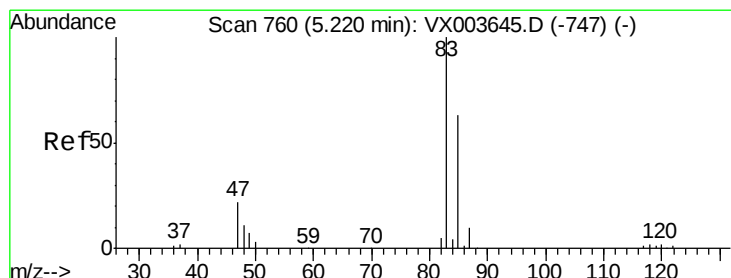
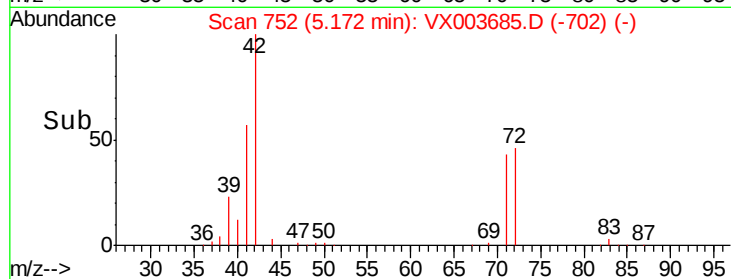
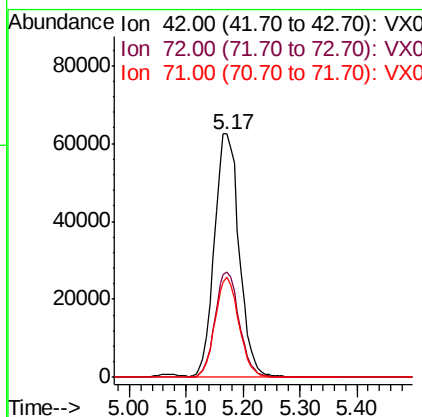
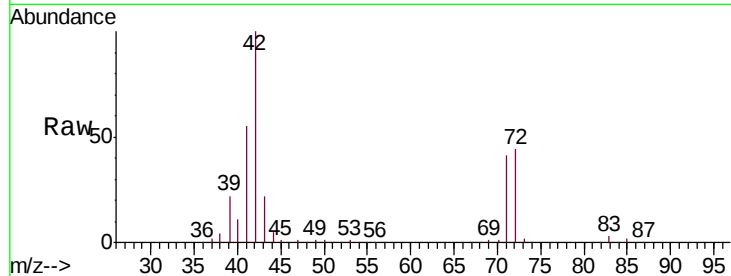
#29
Tetrahydrofuran
Concen: 243.71 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	33.4	50.0
71	39.6	31.0	46.6

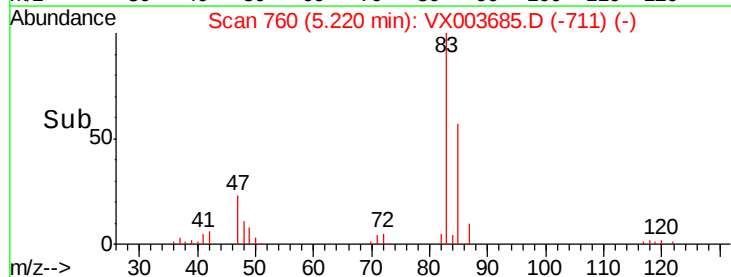
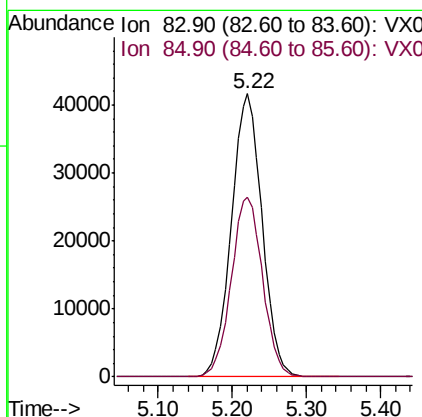
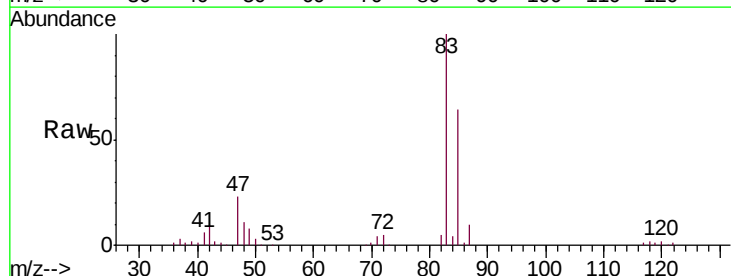
Manual Integrations
APPROVED

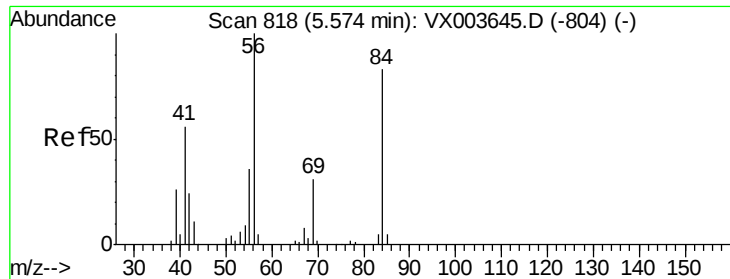
MMDadoda
7/27/2018 5:40:35 PM



#30
Chloroform
Concen: 48.20 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.2	75.4





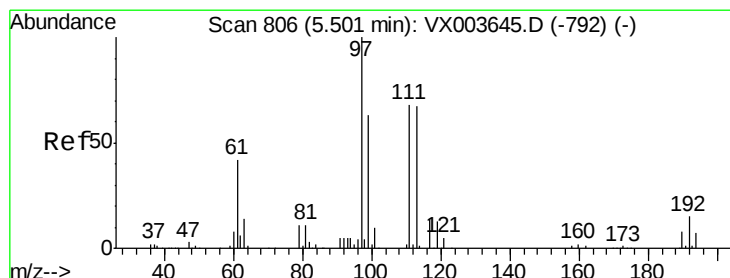
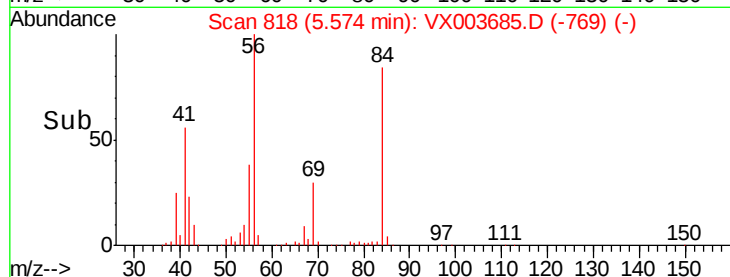
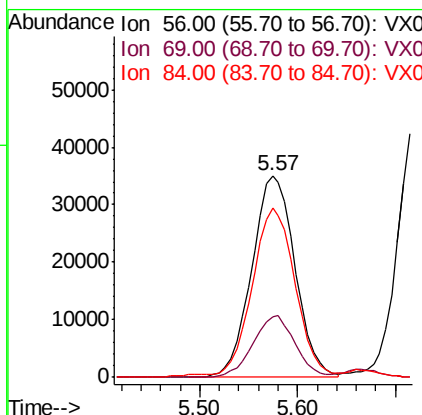
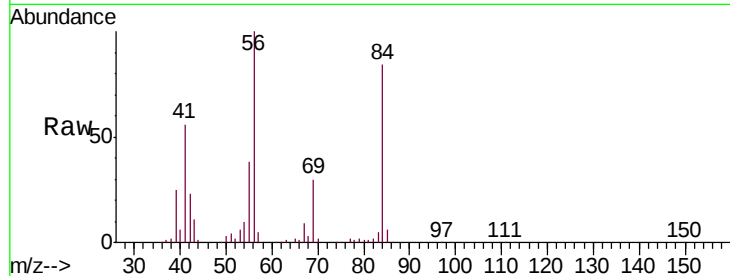
#31
Cyclohexane
Concen: 48.73 ug/l
RT: 5.57 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	25.0	37.6
84	82.3	66.5	99.7

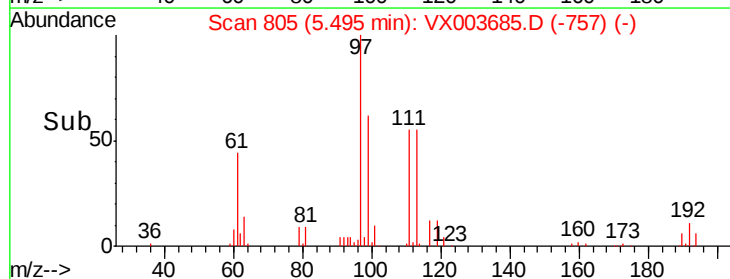
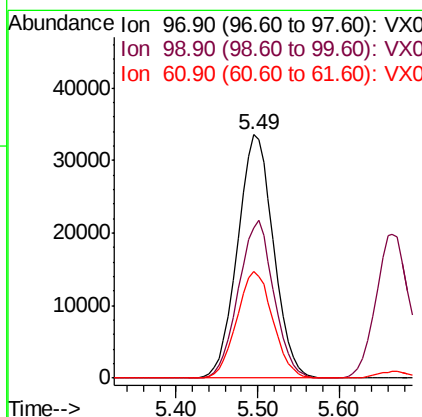
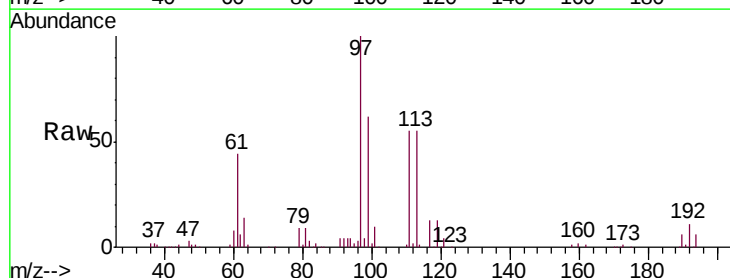
Manual Integrations
APPROVED

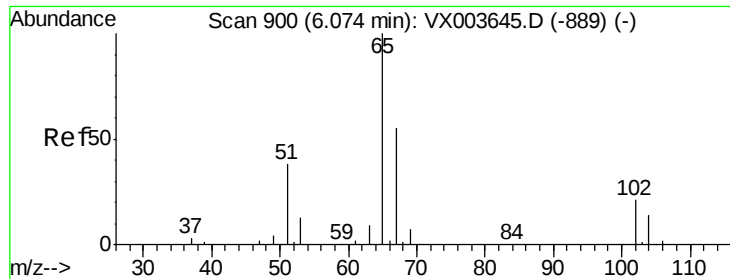
MMDadoda
7/27/2018 5:40:35 PM



#32
1,1,1-Trichloroethane
Concen: 49.47 ug/l
RT: 5.49 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.4	75.6
61	44.1	34.5	51.7





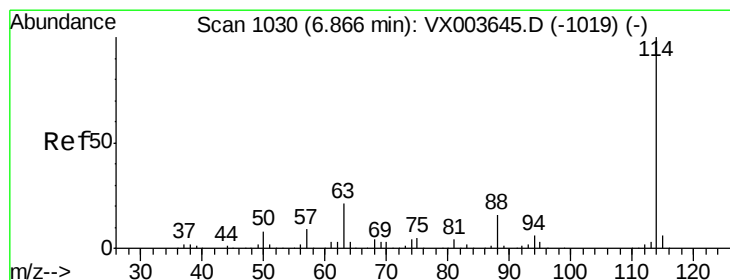
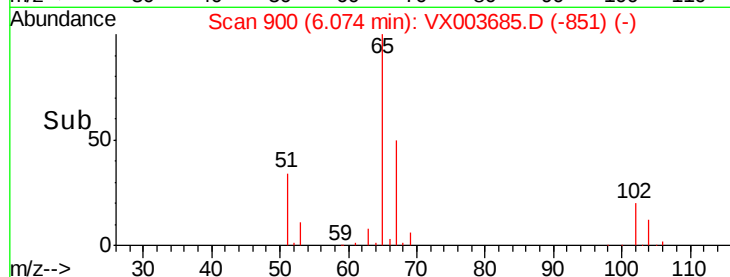
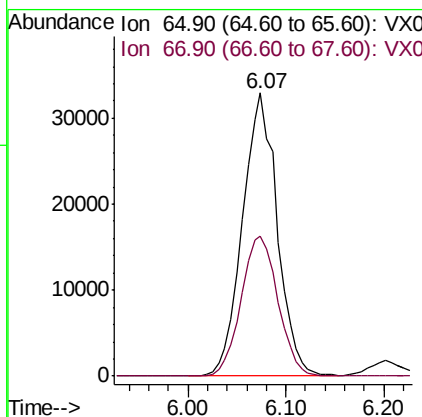
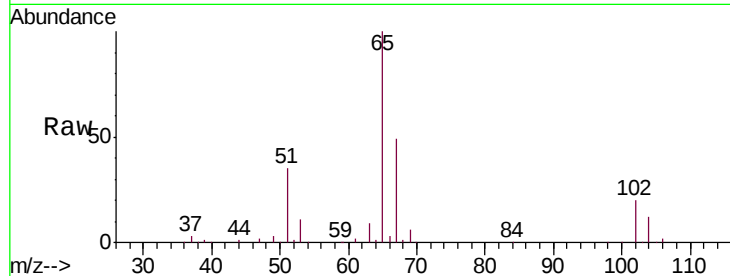
#33
 1,2-Dichloroethane-d4
 Concen: 49.25 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003685.D
 Acq: 26 Jul 2018 21:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	107.8

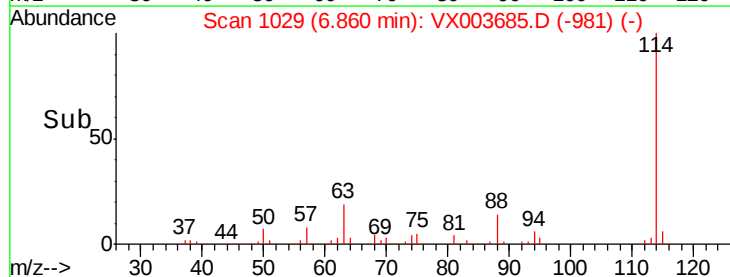
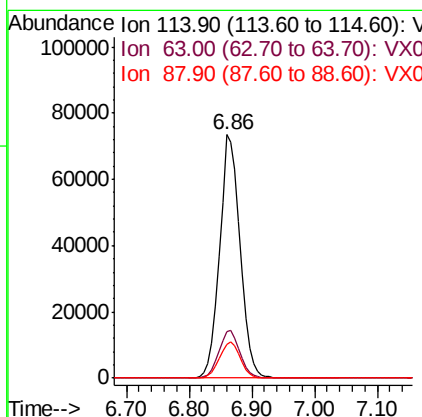
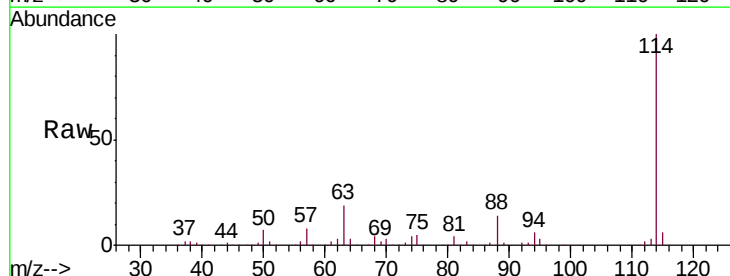
Manual Integrations
 APPROVED

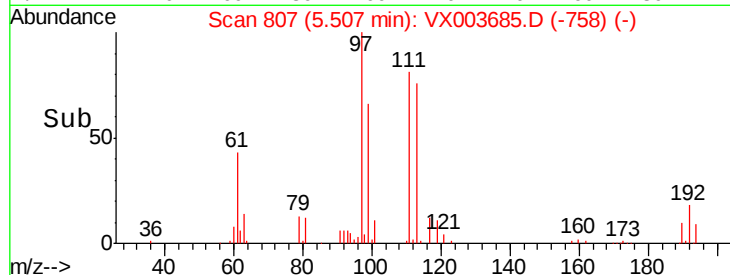
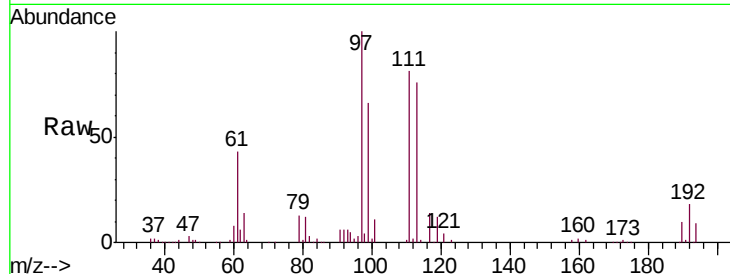
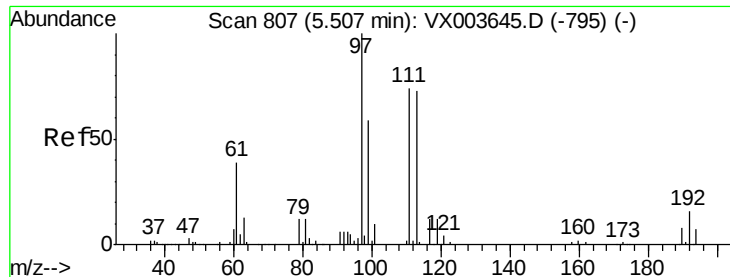
MMDadoda
 7/27/2018 5:40:35 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003685.D
 Acq: 26 Jul 2018 21:59

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	41.0
88	13.9	0.0	31.8





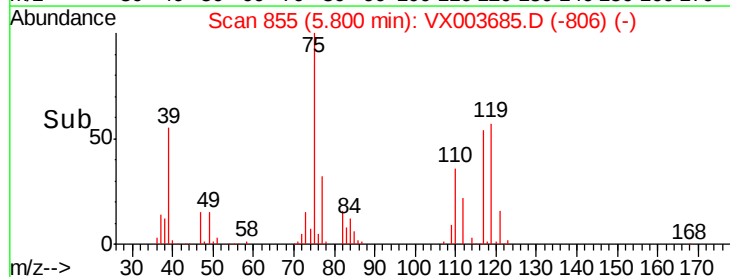
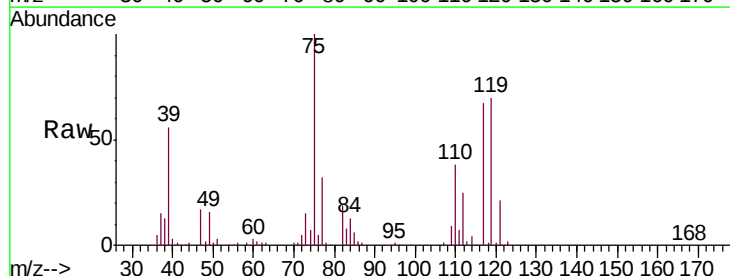
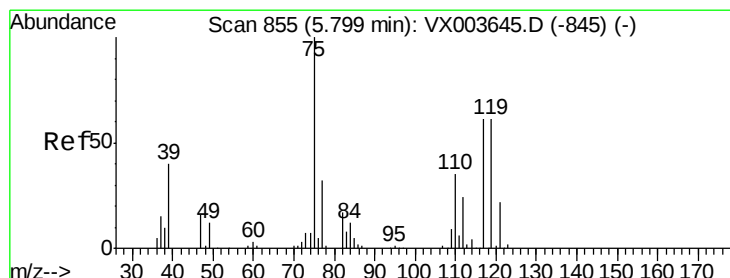
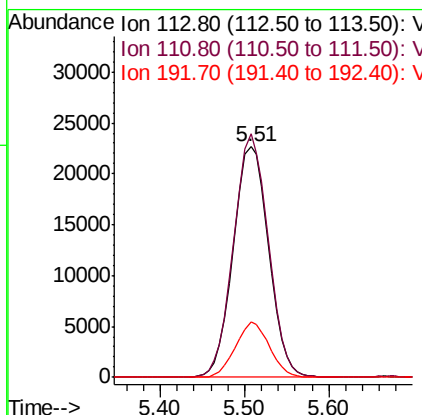
#35
Dibromofluoromethane
Concen: 47.80 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.2	121.8
192	22.7	18.2	27.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

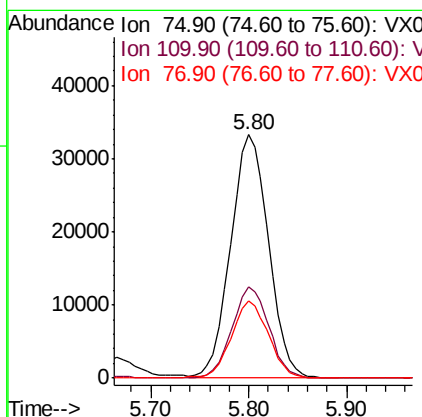
Manual Integrations
APPROVED

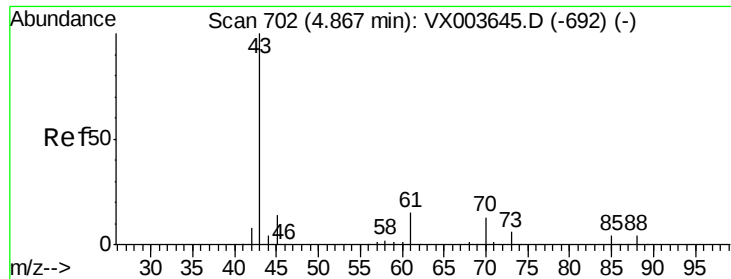
MMDadoda
7/27/2018 5:40:35 PM



#36
1,1-Dichloropropene
Concen: 46.20 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.1	54.1
77	31.4	25.1	37.7





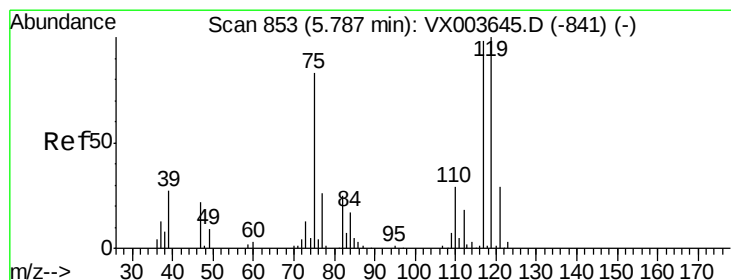
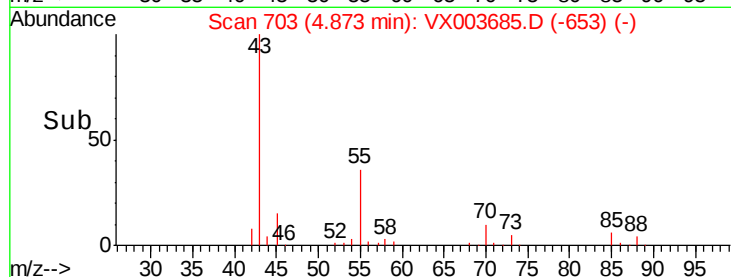
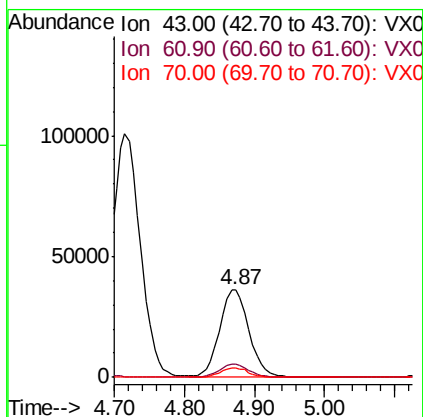
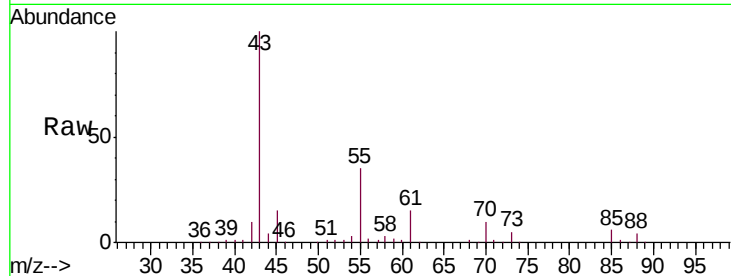
#37
Ethyl Acetate
Concen: 45.49 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.9	17.9
70	10.4	8.6	12.8

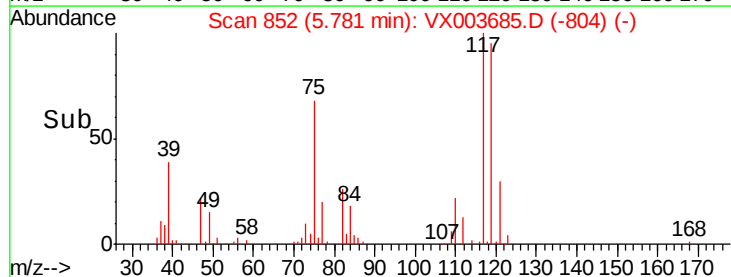
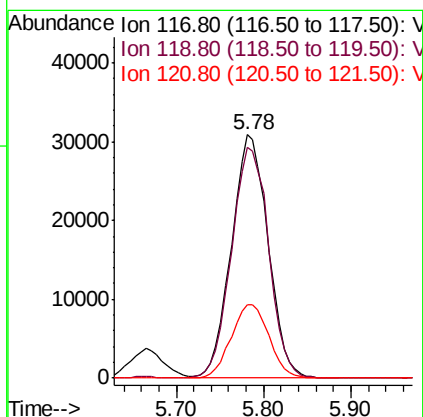
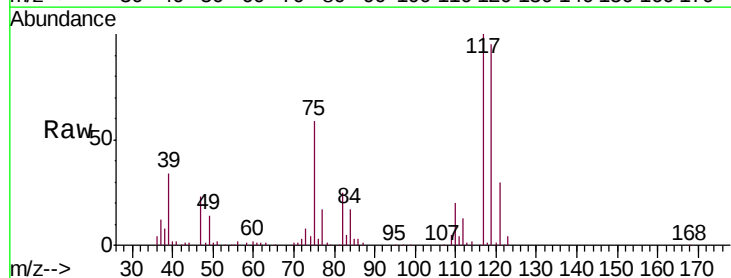
Manual Integrations
APPROVED

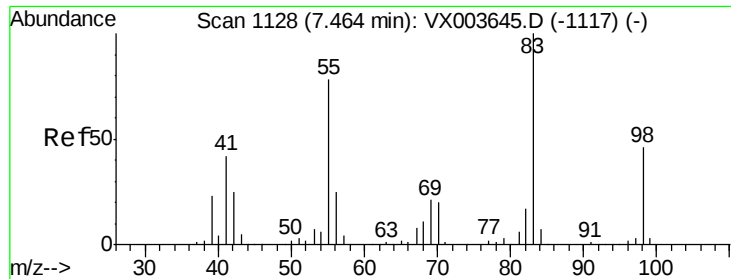
MMDadoda
7/27/2018 5:40:35 PM



#38
Carbon Tetrachloride
Concen: 48.16 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	81.0	121.4
121	30.1	23.7	35.5





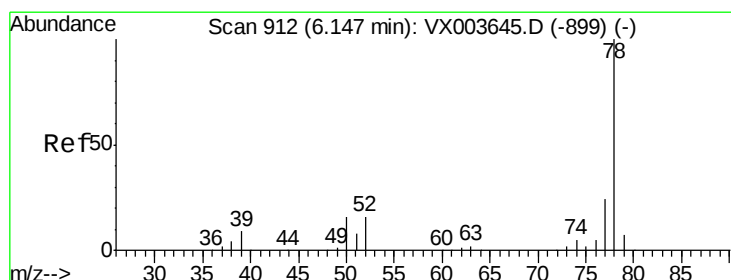
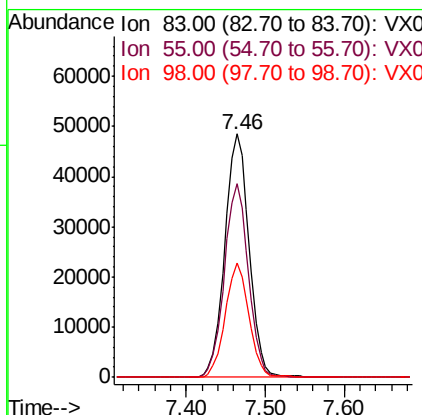
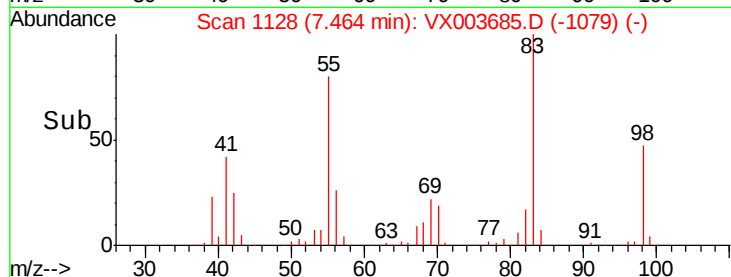
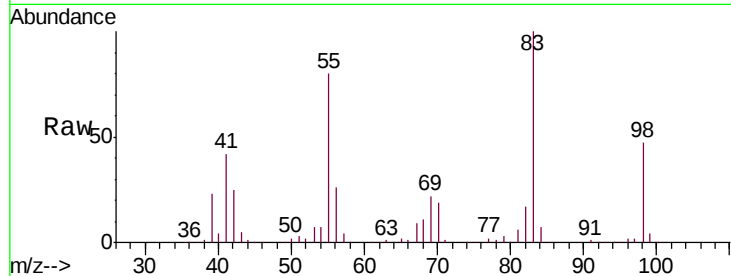
#39
Methvlcvclohexane
Concen: 48.63 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.7	62.6	93.8
98	47.1	36.6	55.0

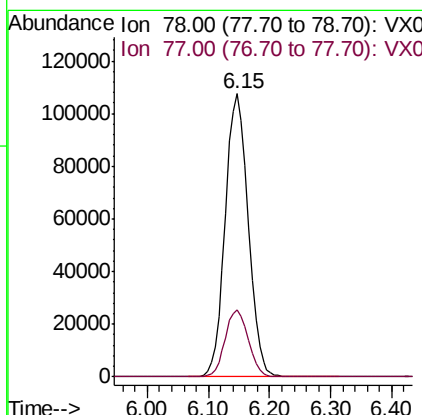
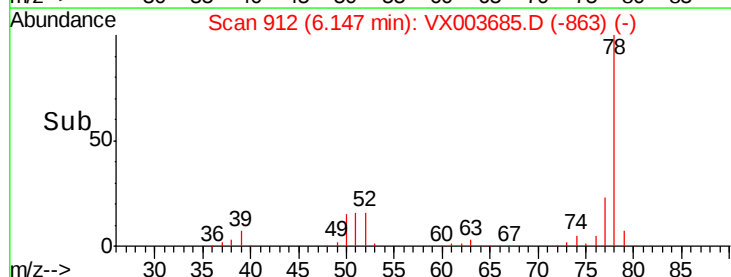
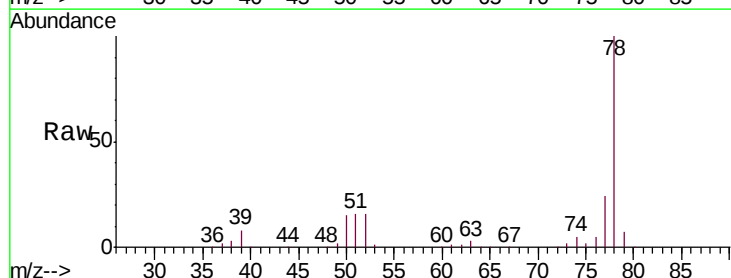
Manual Integrations
APPROVED

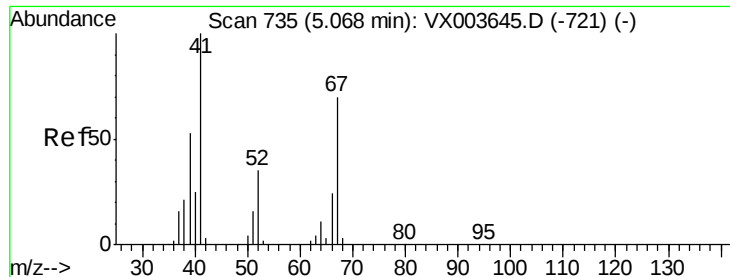
MMDadoda
7/27/2018 5:40:35 PM



#40
Benzene
Concen: 48.49 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6





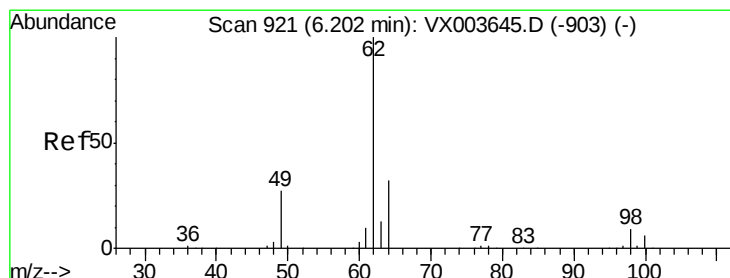
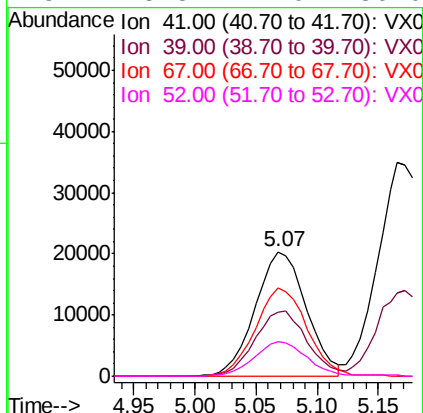
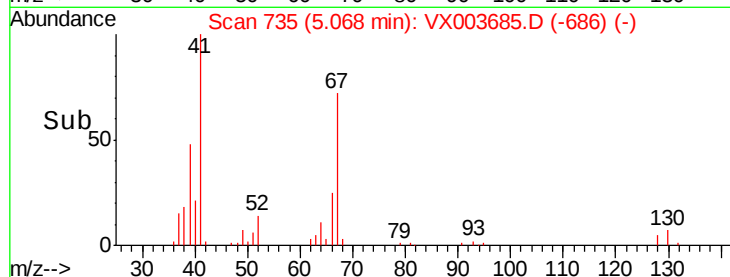
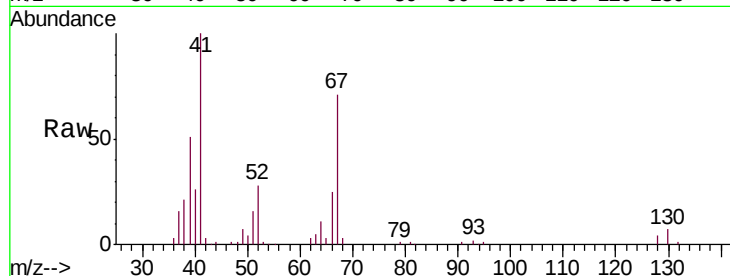
#41
Methacrylonitrile
Concen: 45.91 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.8	42.2	63.4	
67	71.7	56.6	84.8	
52	28.8	24.0	36.0	

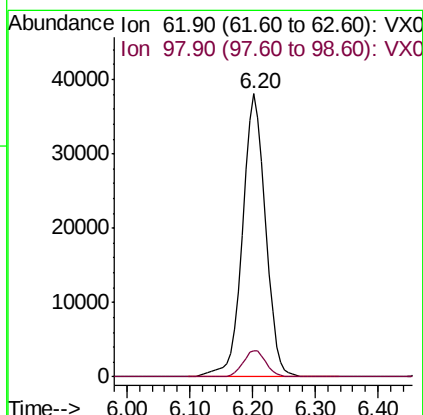
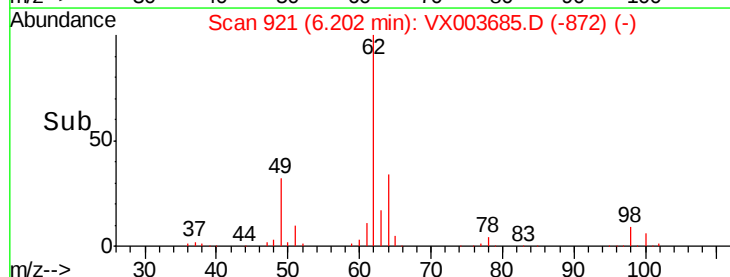
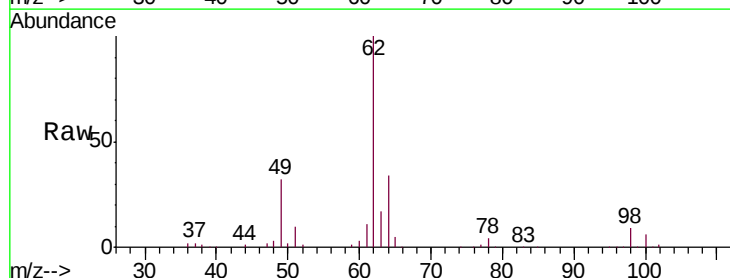
Manual Integrations
APPROVED

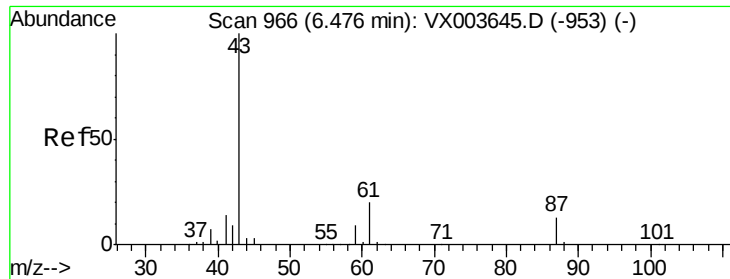
MMDadoda
7/27/2018 5:40:35 PM



#42
1,2-Dichloroethane
Concen: 47.82 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	18.4	





#43

Isopropyl Acetate

Concen: 47.76 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

Instrument :

MSVOA_X

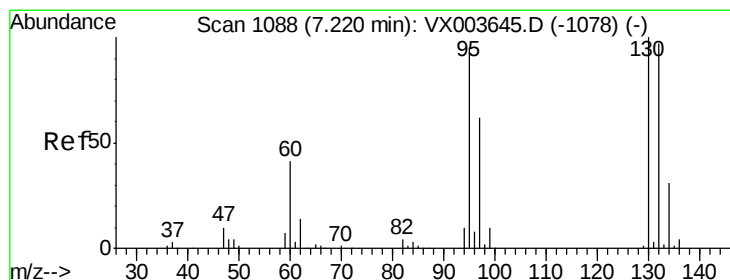
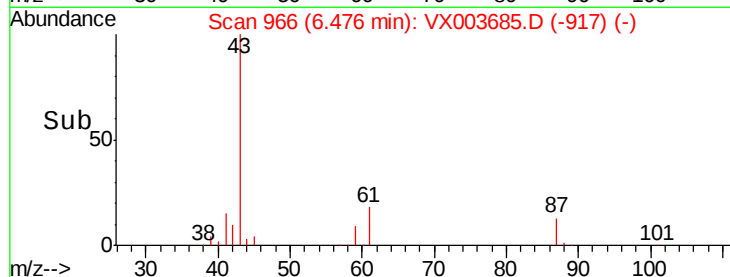
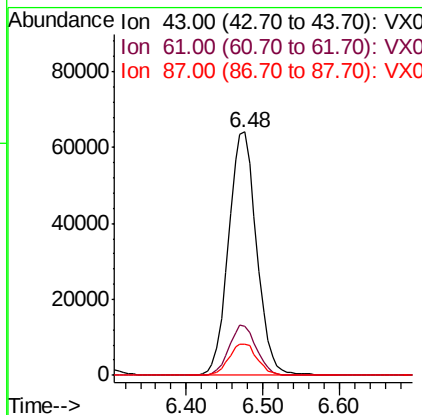
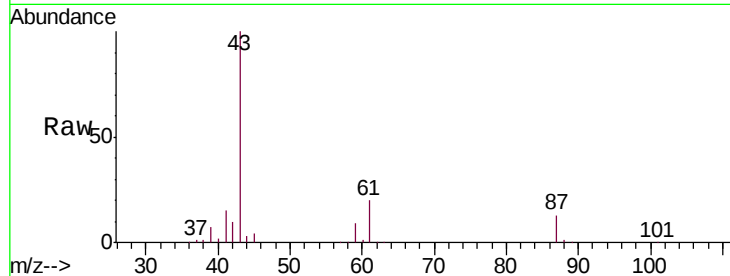
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	162522
Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.9	23.9
87	13.1	10.1	15.1

Manual Integrations
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7/27/2018 5:40:35 PM



#44

Trichloroethene

Concen: 47.37 ug/l

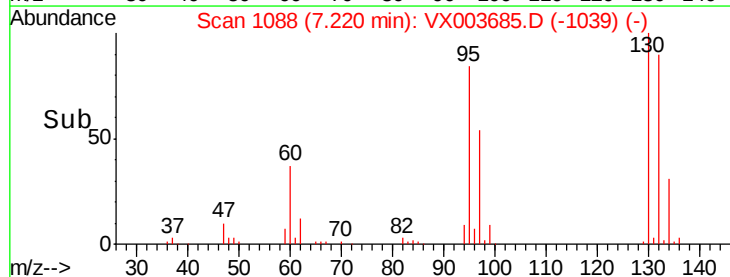
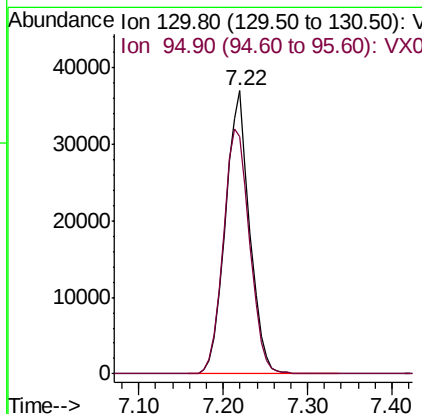
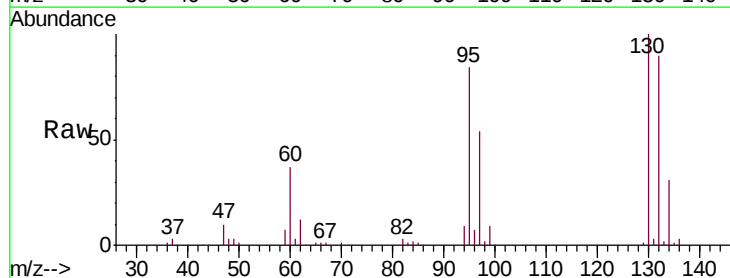
RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

Tgt Ion:	130	Resp:	72906
Ion	Ratio	Lower	Upper
130	100		
95	84.0	0.0	190.0





#45

1,2-Dichloropropane

Concen: 50.02 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 74231

Ion Ratio Lower Upper

63 100

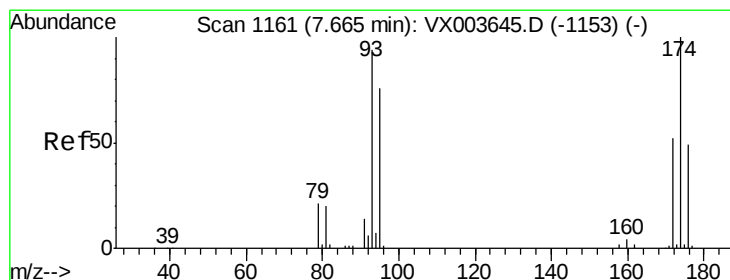
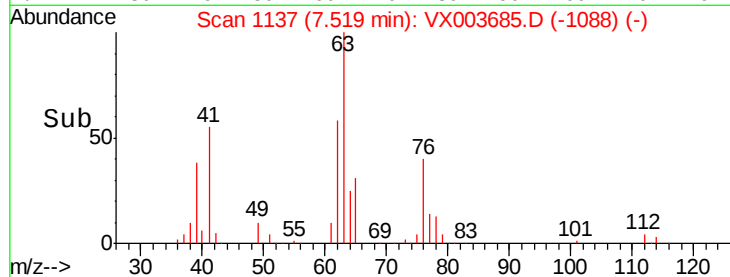
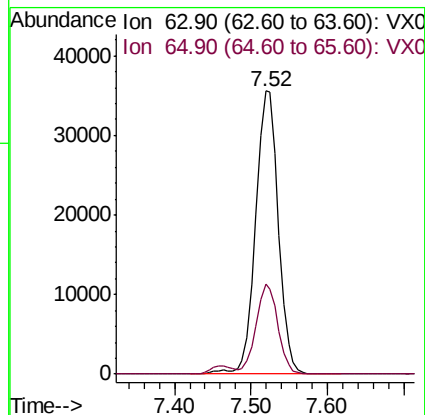
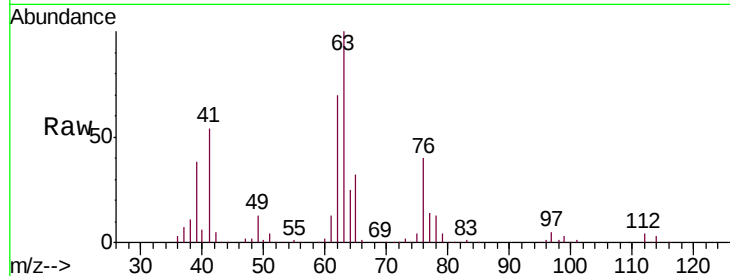
65 31.9 24.0 36.0

Manual Integrations

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MMDadoda

7/27/2018 5:40:35 PM



#46

Dibromomethane

Concen: 48.86 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

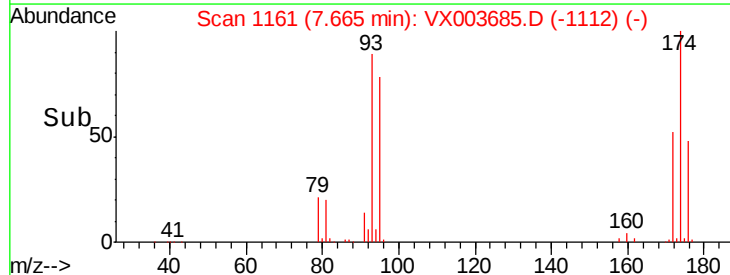
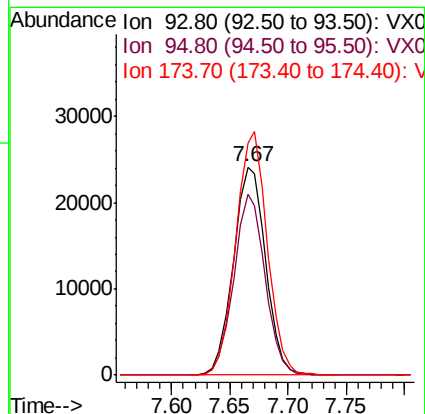
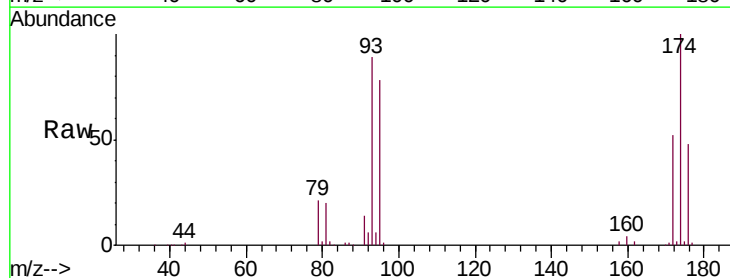
Tgt Ion: 93 Resp: 46576

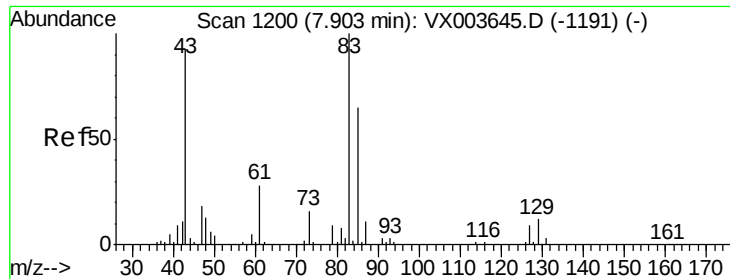
Ion Ratio Lower Upper

93 100

95 84.3 67.0 100.6

174 114.6 89.6 134.4





#47

Bromodichloromethane

Concen: 49.97 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

Instrument :

MSVOA_X

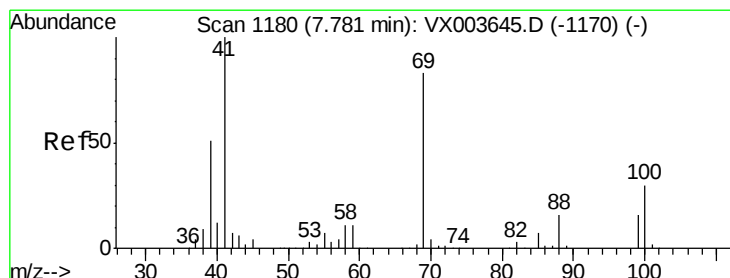
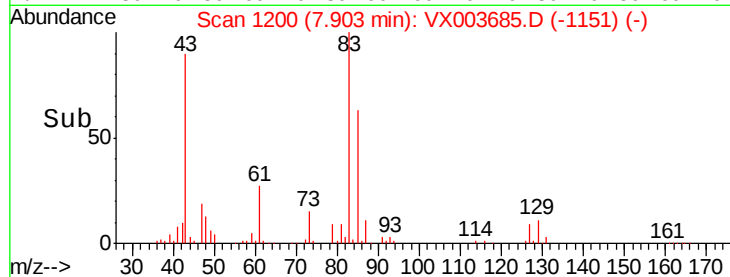
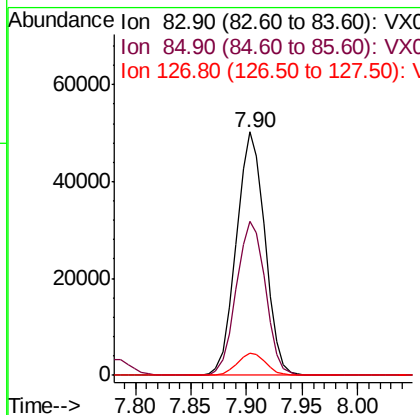
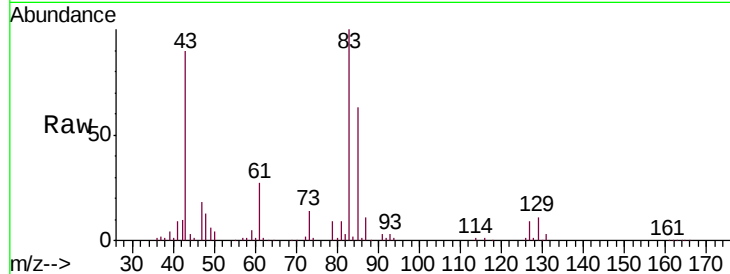
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	89311
Ion Ratio	Lower	Upper	
83	100		
85	63.2	51.8	77.6
127	8.9	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.76 ug/l

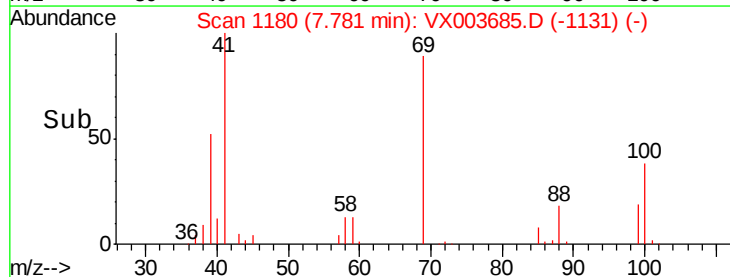
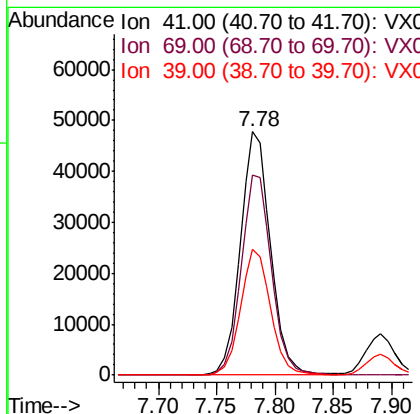
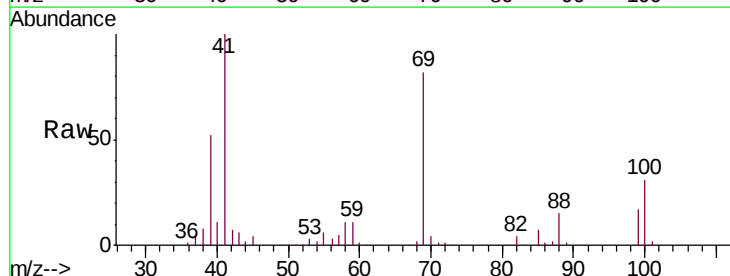
RT: 7.78 min Scan# 1180

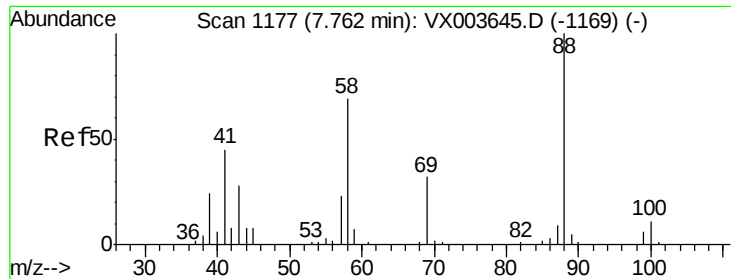
Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

Tgt Ion:	41	Resp:	85932
Ion Ratio	Lower	Upper	
41	100		
69	83.0	66.9	100.3
39	51.6	41.2	61.8





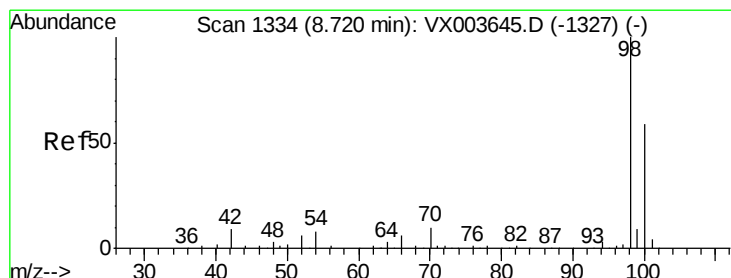
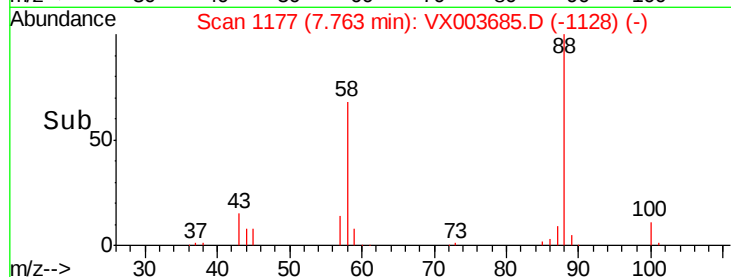
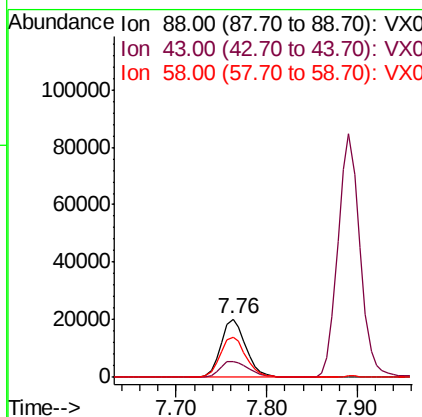
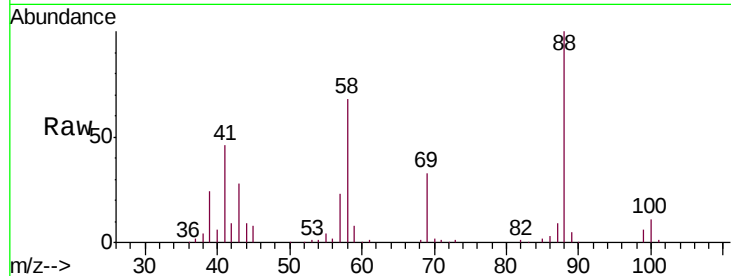
#49
1,4-Dioxane
Concen: 1003.26 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	25.8	38.6
58	72.0	58.3	87.5

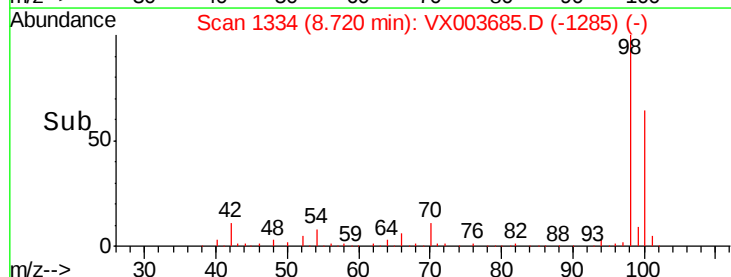
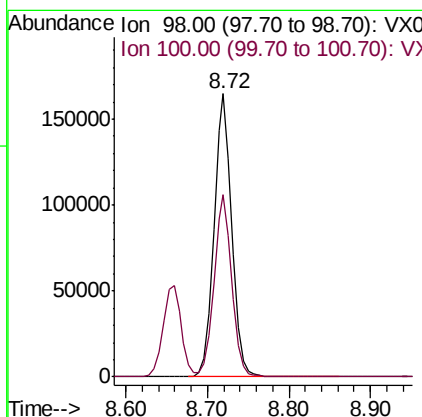
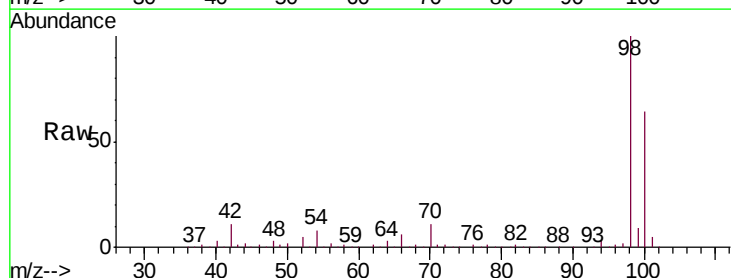
Manual Integrations
APPROVED

MMDadoda
7/27/2018 5:40:35 PM



#50
Toluene-d8
Concen: 48.73 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 246.11 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 565095

Ion Ratio Lower Upper

43 100

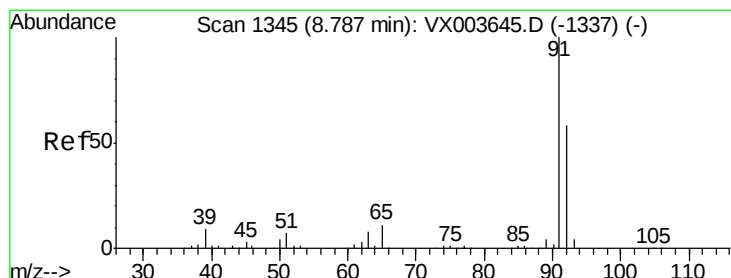
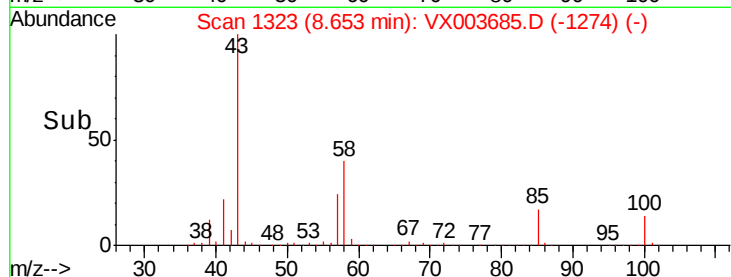
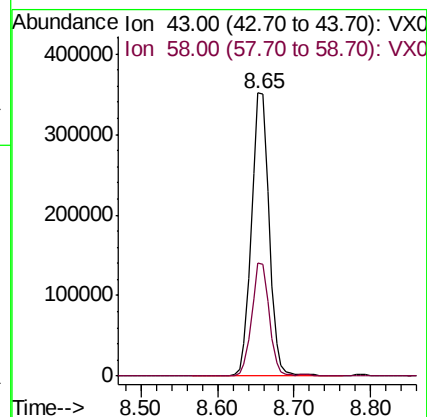
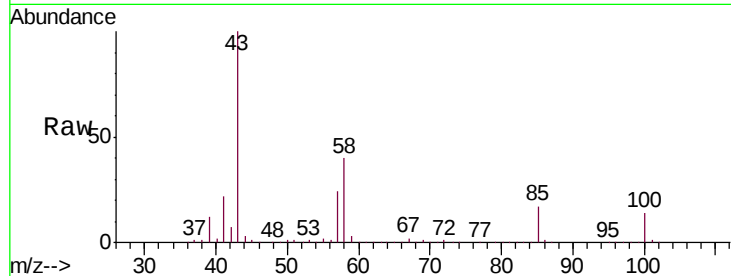
58 39.3 31.5 47.3

Manual Integrations

APPROVED

MMDadoda

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#52

Toluene

Concen: 48.85 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003685.D

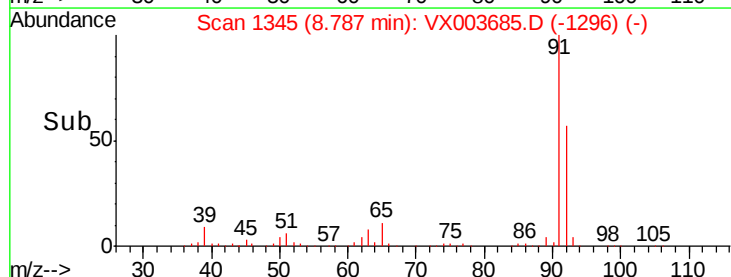
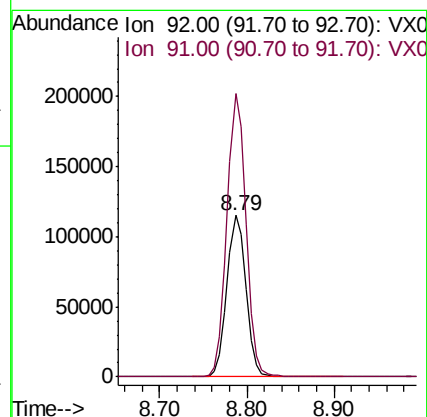
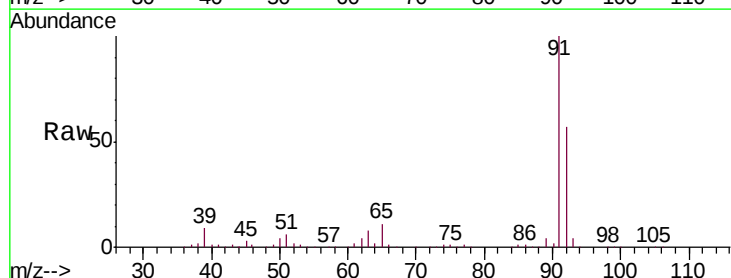
Acq: 26 Jul 2018 21:59

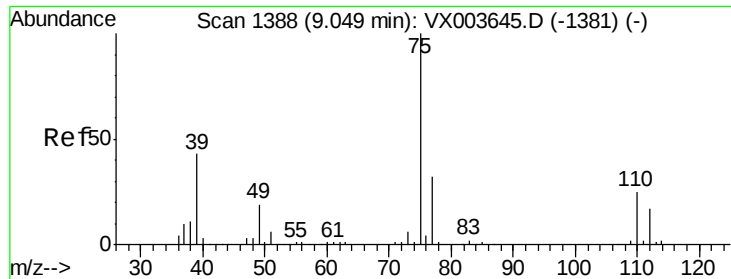
Tgt Ion: 92 Resp: 174308

Ion Ratio Lower Upper

92 100

91 174.6 139.0 208.6





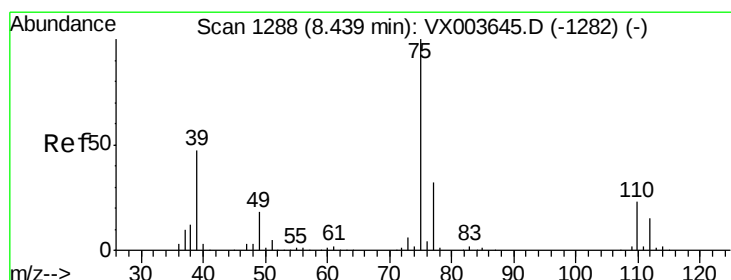
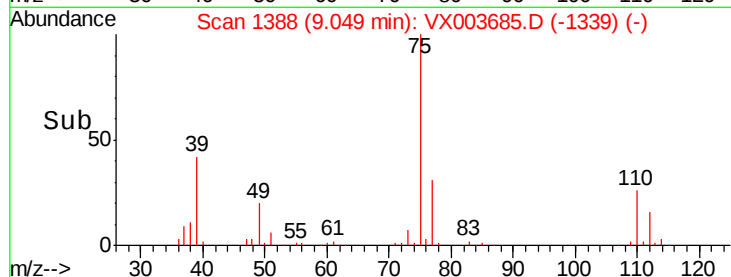
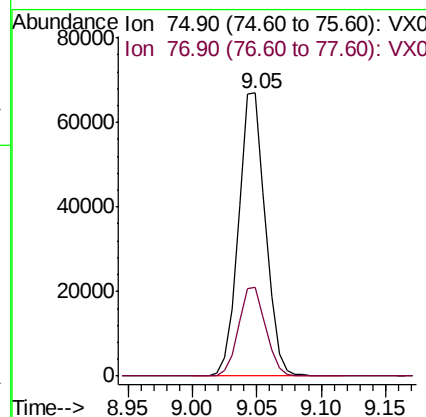
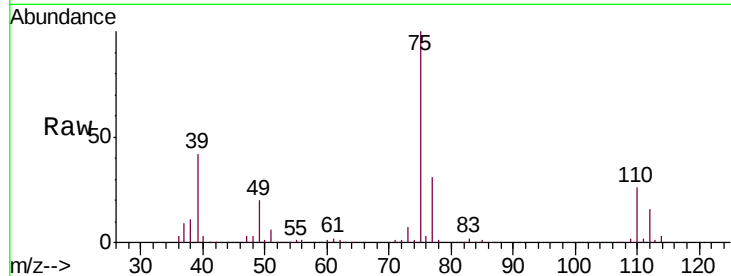
#53
t-1,3-Dichloropropene
Concen: 49.05 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 97061
Ion Ratio Lower Upper
75 100
77 31.3 25.8 38.6

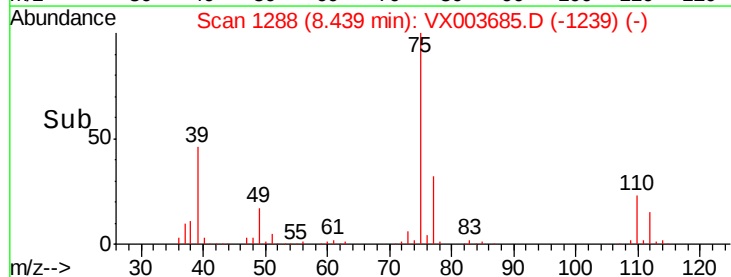
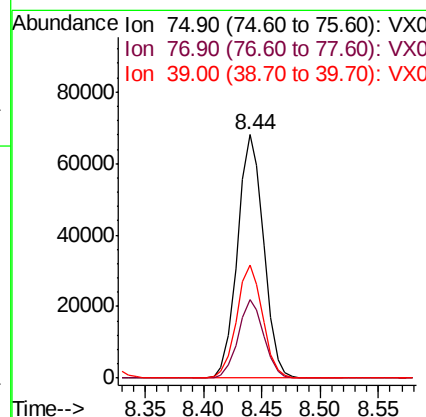
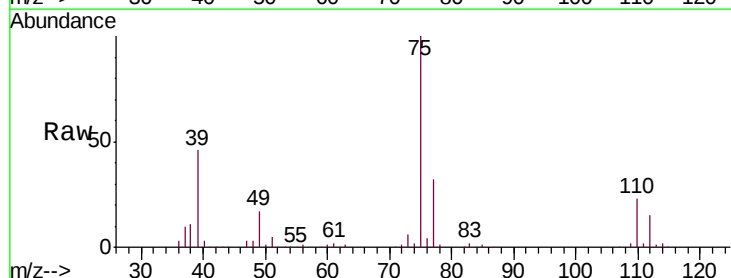
Manual Integrations
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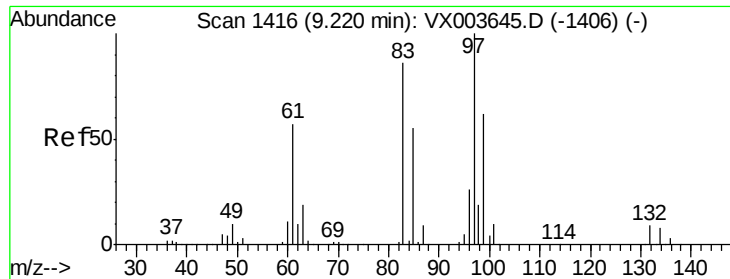
MMDadoda
7/27/2018 5:40:35 PM



#54
cis-1,3-Dichloropropene
Concen: 48.93 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Tgt Ion: 75 Resp: 106548
Ion Ratio Lower Upper
75 100
77 32.2 25.2 37.8
39 46.4 38.0 57.0





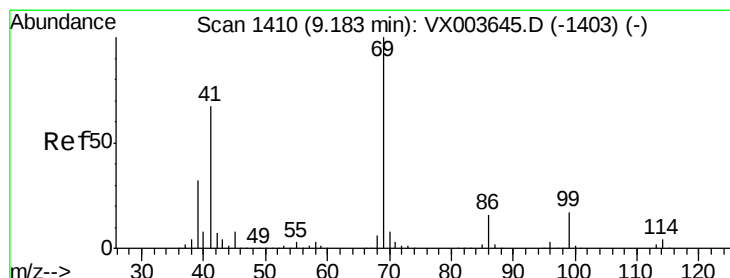
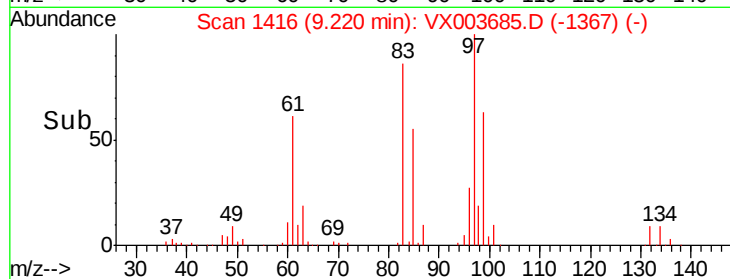
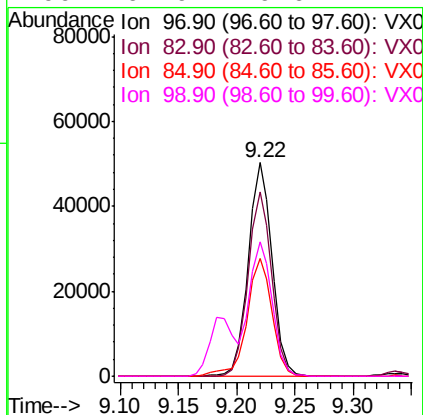
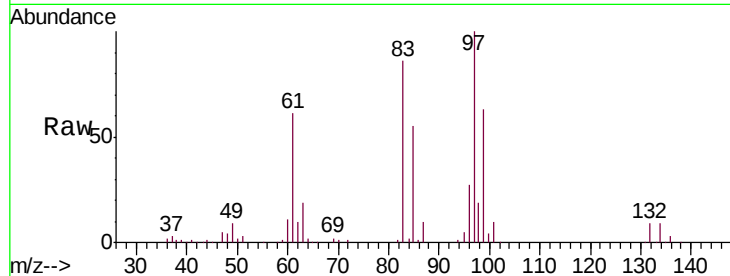
#55
 1,1,2-Trichloroethane
 Concen: 49.23 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003685.D
 Acq: 26 Jul 2018 21:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	71811
Ion	Ratio	Lower	Upper
97	100		
83	86.5	68.7	103.1
85	55.3	43.7	65.5
99	62.9	49.6	74.4

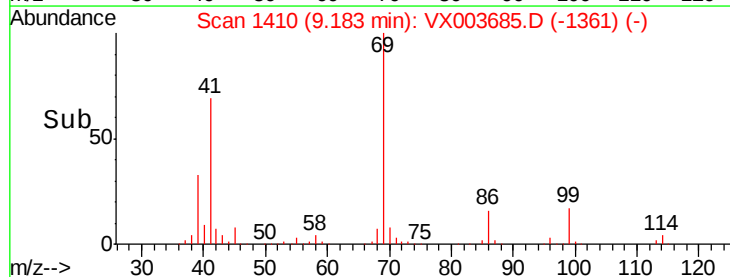
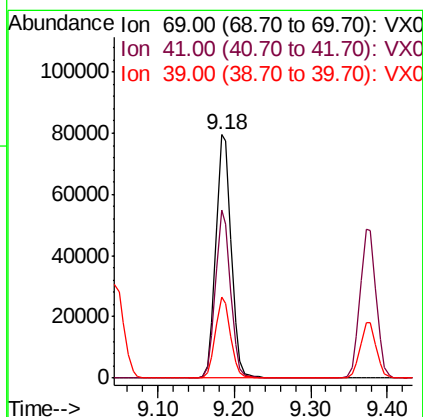
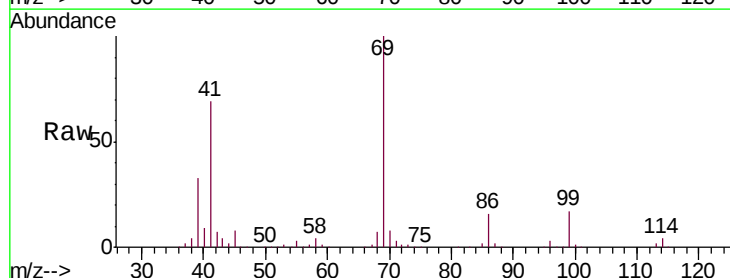
Manual Integrations
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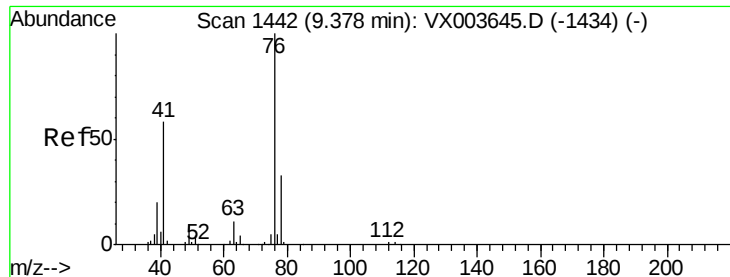
MMDadoda
 7/27/2018 5:40:35 PM



#56
 Ethyl methacrylate
 Concen: 51.06 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003685.D
 Acq: 26 Jul 2018 21:59

Tgt Ion:	69	Resp:	110836
Ion	Ratio	Lower	Upper
69	100		
41	67.4	53.8	80.6
39	32.7	25.8	38.8





#57

1,3-Dichloropropane

Concen: 48.95 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 119902

Ion Ratio Lower Upper

76 100

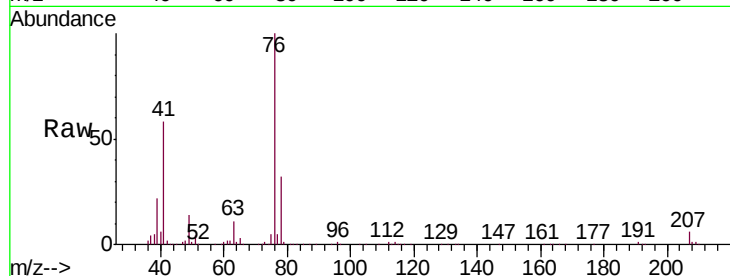
78 32.0 25.6 38.4

Manual Integrations

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7/27/2018 5:40:35 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

80000

60000

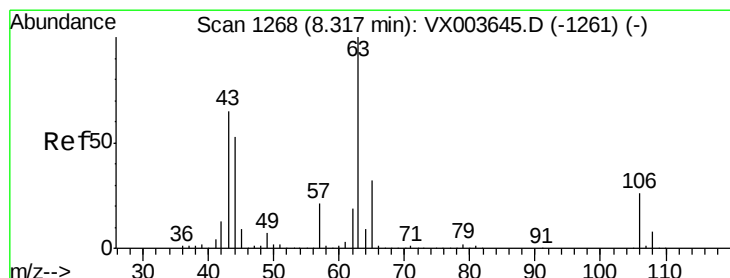
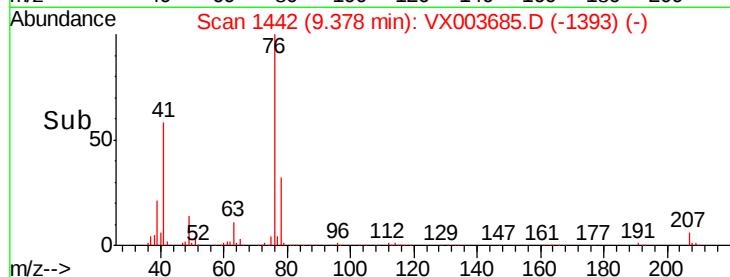
40000

20000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 258.56 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003685.D

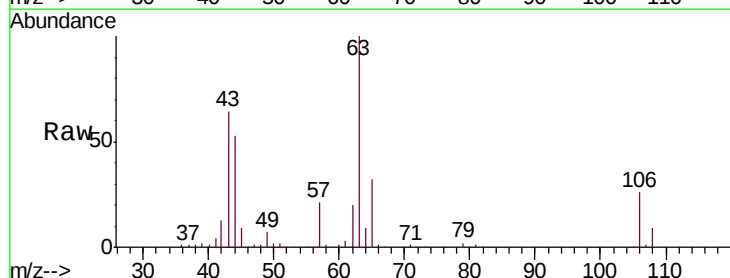
Acq: 26 Jul 2018 21:59

Tgt Ion: 63 Resp: 282040

Ion Ratio Lower Upper

63 100

106 26.8 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

200000

150000

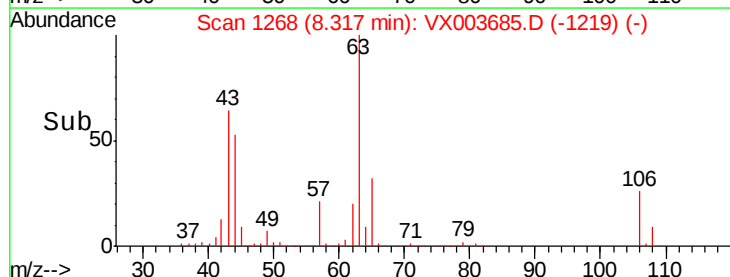
100000

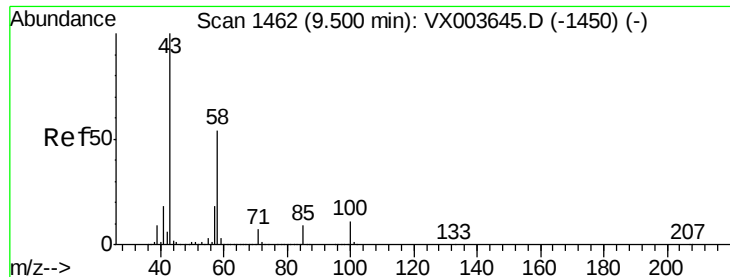
50000

0

8.25 8.30 8.35 8.40 8.45

Time-->





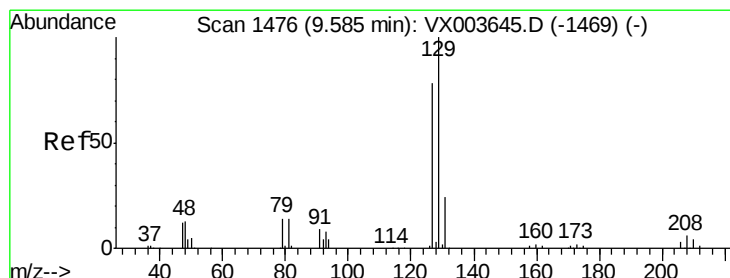
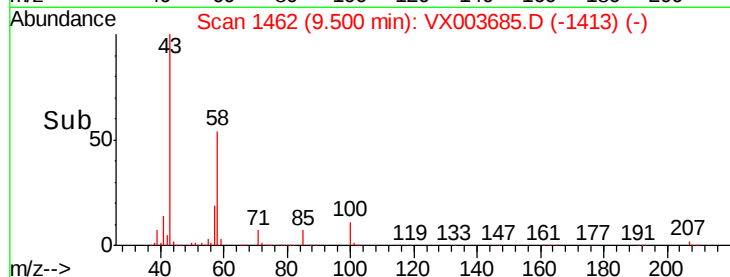
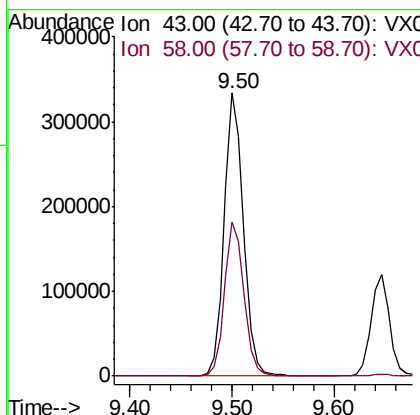
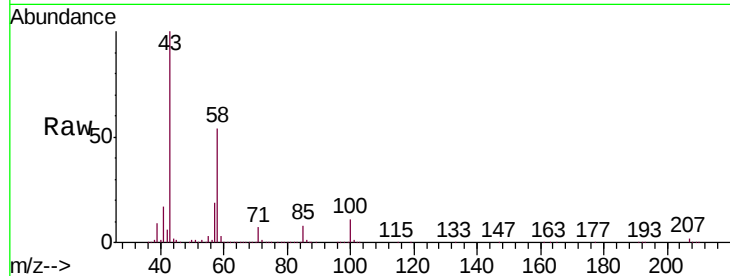
#59
2-Hexanone
Concen: 247.73 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	436335
Ion Ratio	100	Lower	Upper
43	100		
58	54.7	27.3	81.9

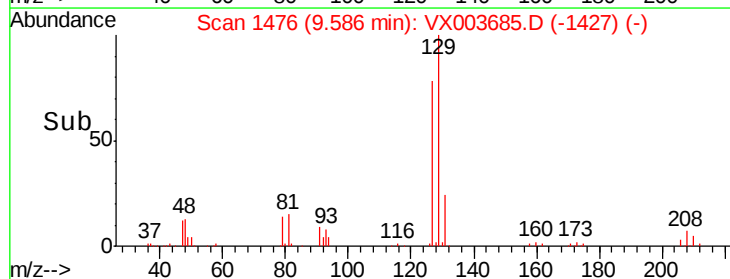
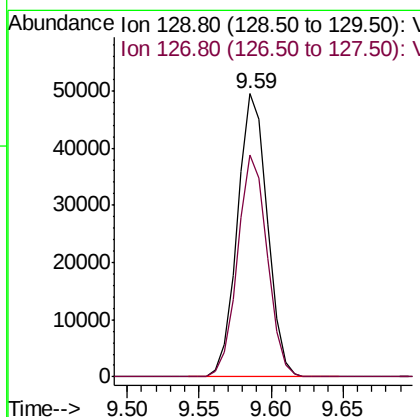
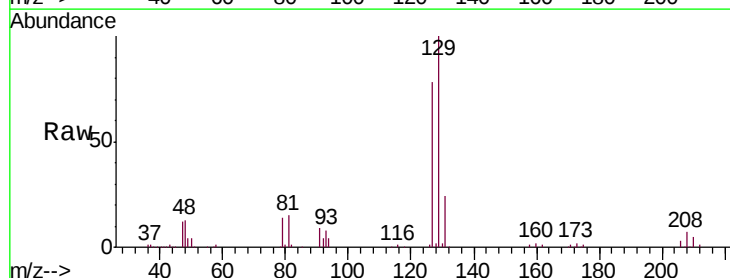
Manual Integrations
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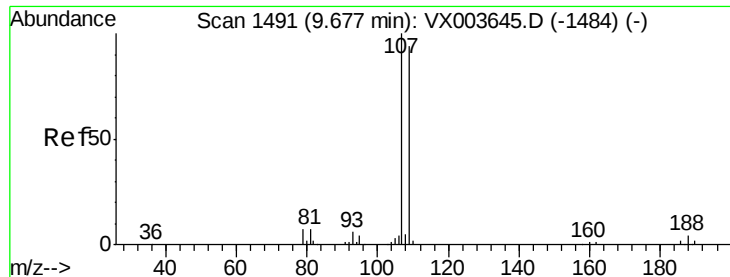
MMDadoda
7/27/2018 5:40:35 PM



#60
Dibromochloromethane
Concen: 51.68 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Tgt Ion	129	Resp	71496
Ion Ratio	100	Lower	Upper
129	100		
127	77.5	38.7	116.1





#61

1,2-Dibromoethane

Concen: 48.99 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 74410

Ion Ratio Lower Upper

107 100

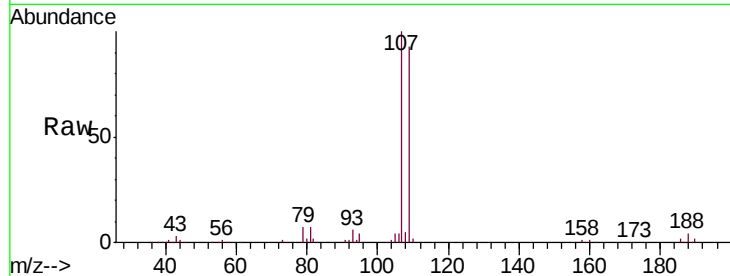
109 95.0 75.4 113.2

Manual Integrations

APPROVED

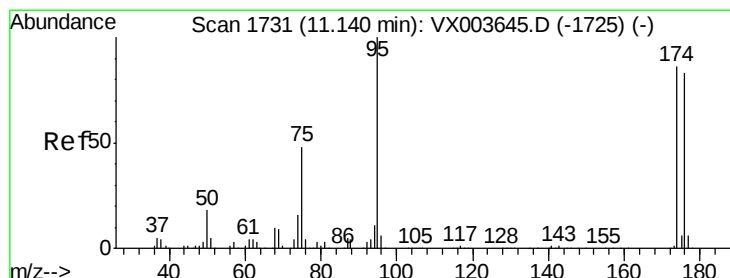
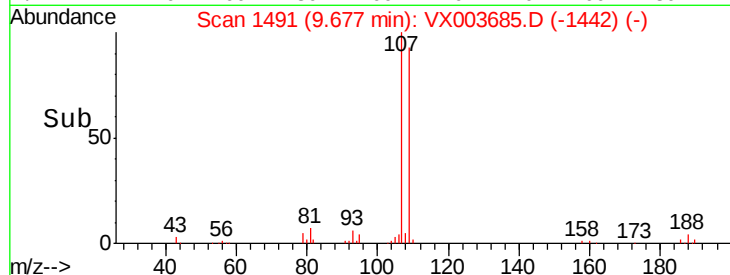
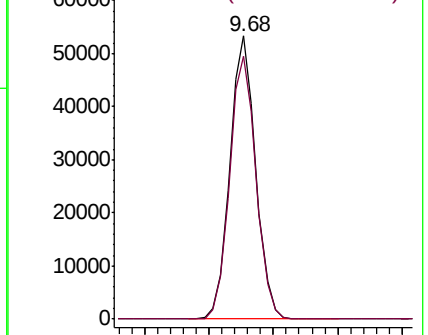
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.05 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

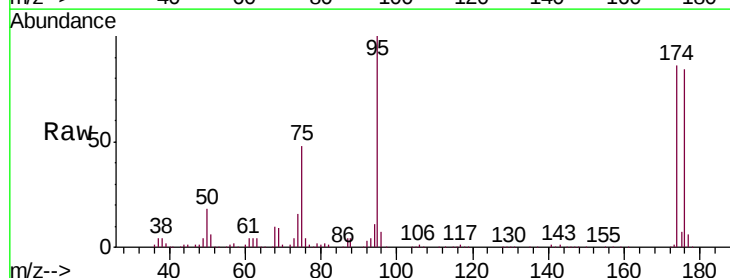
Tgt Ion: 95 Resp: 92625

Ion Ratio Lower Upper

95 100

174 89.6 0.0 179.0

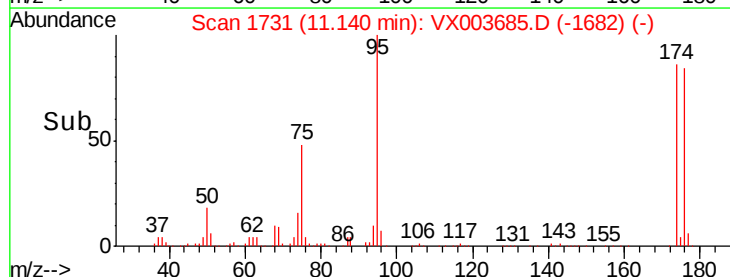
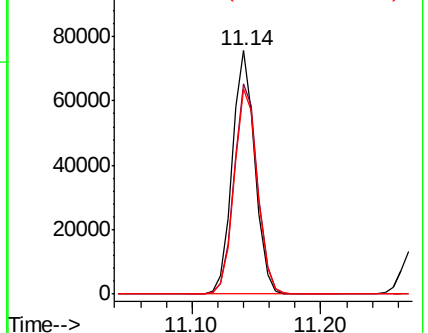
176 87.1 0.0 173.0

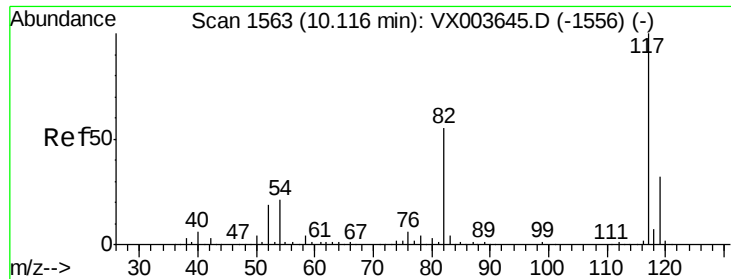


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





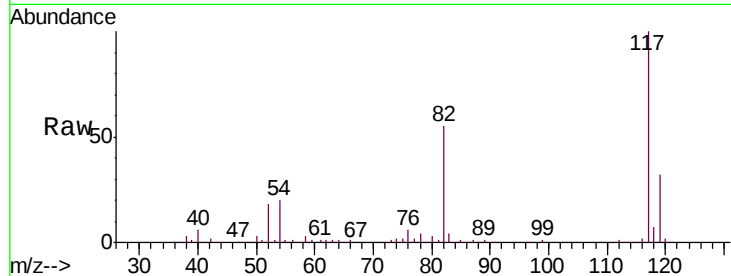
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.3	66.5
119	31.8	25.6	38.4

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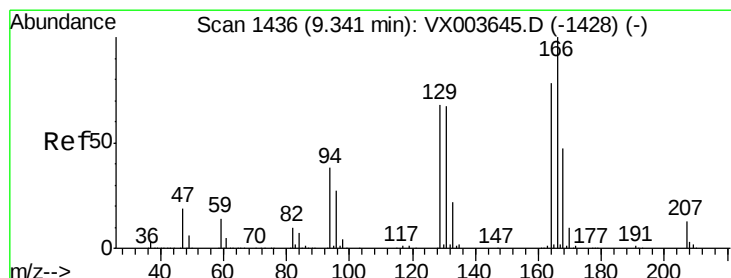
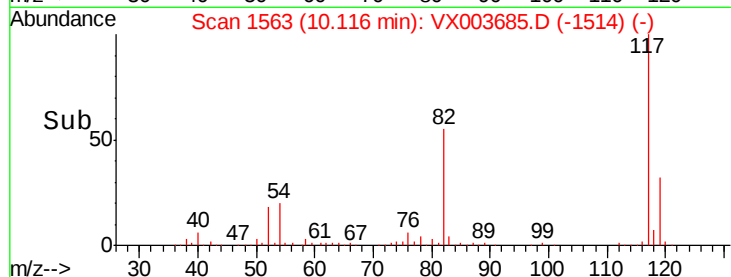
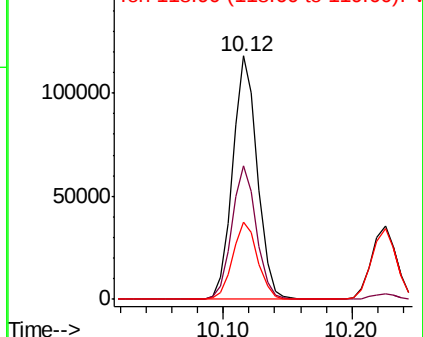


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 47.48 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	102.4	153.6
129	92.0	69.6	104.4
131	87.4	69.0	103.4

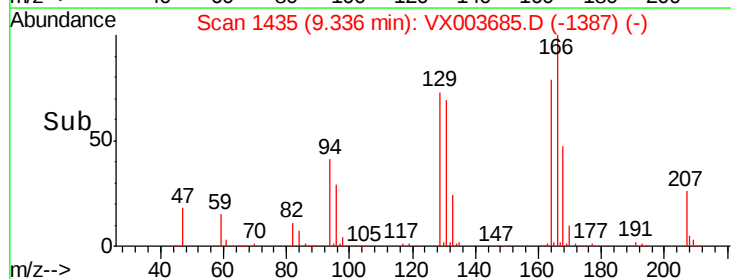
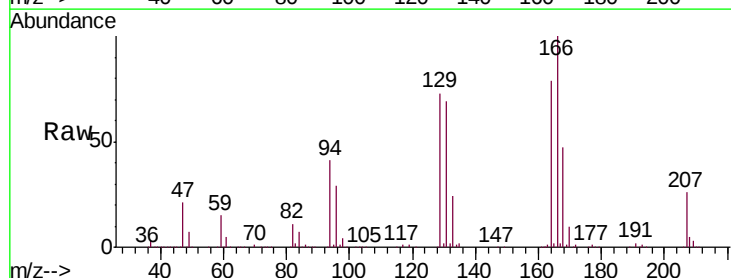
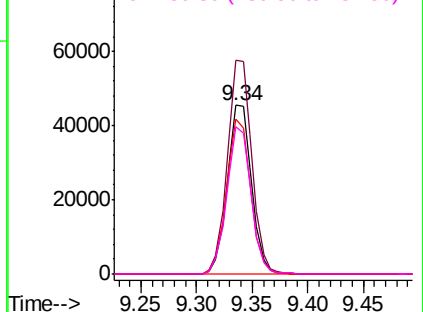
Abundance

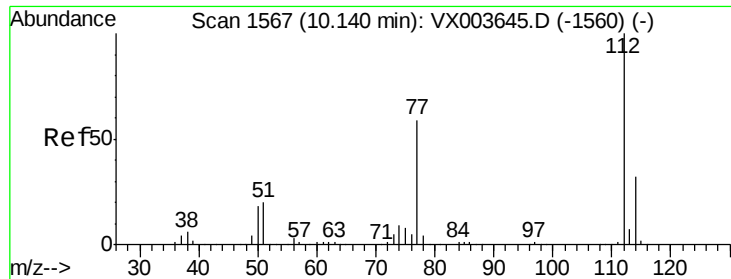
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 49.01 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 193944

Ion Ratio Lower Upper

112 100

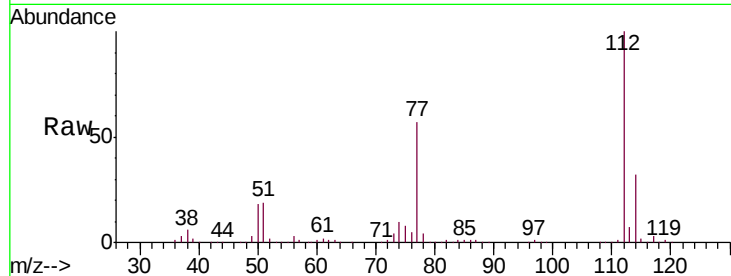
114 32.2 25.8 38.8

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

10.14

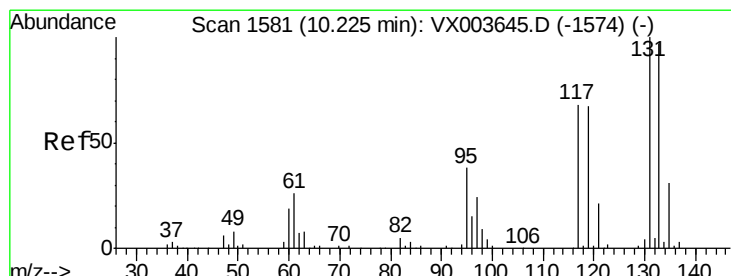
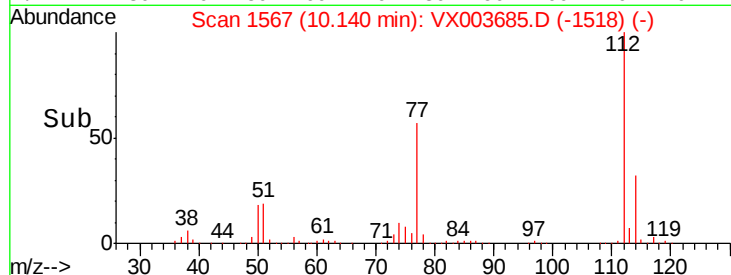
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.36 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

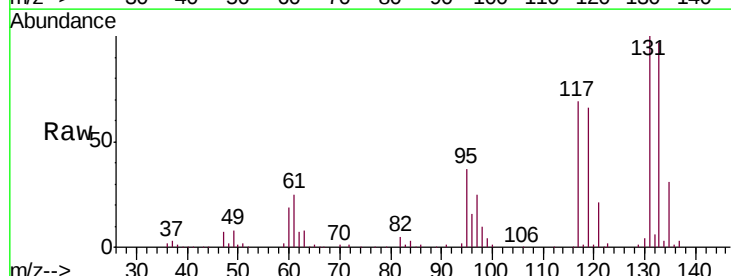
Tgt Ion:131 Resp: 69279

Ion Ratio Lower Upper

131 100

133 96.2 47.6 142.8

119 65.6 32.8 98.4



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

10.23

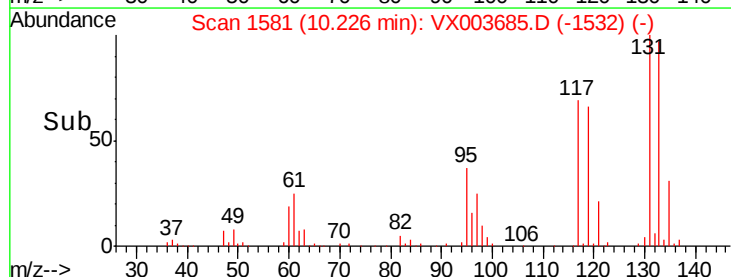
60000

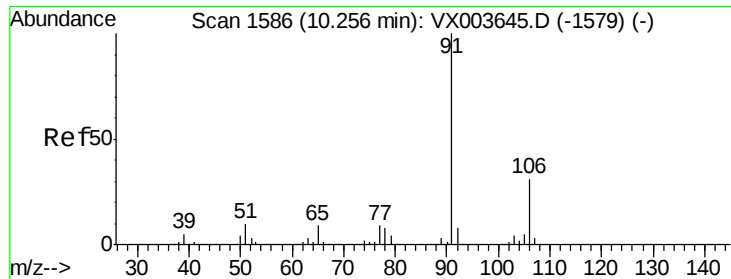
40000

20000

0

Time-->





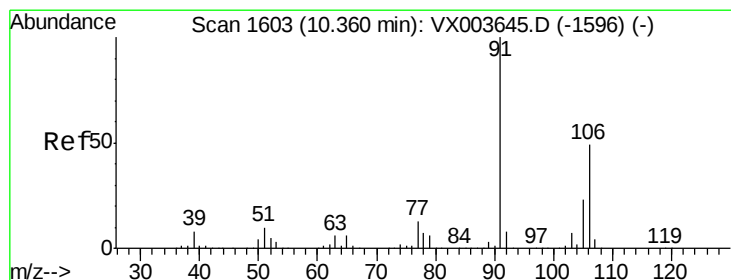
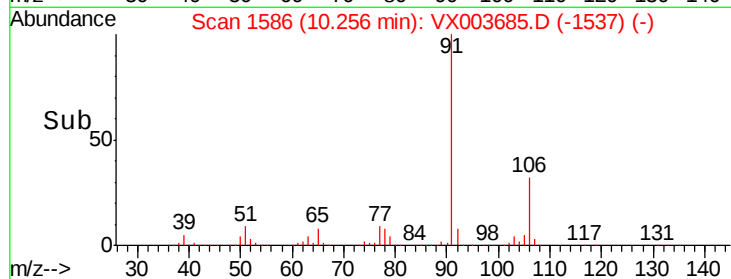
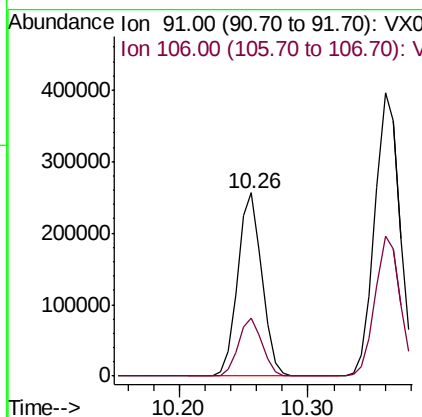
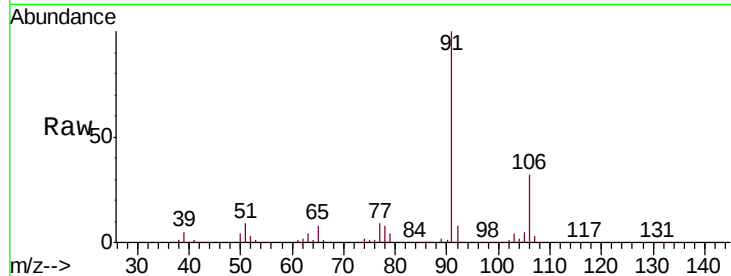
#67
Ethyl Benzene
Concen: 50.44 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 334101
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.6

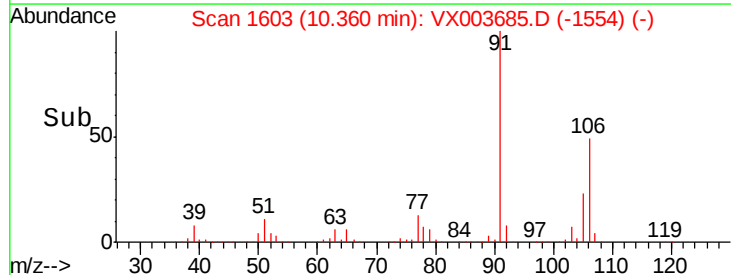
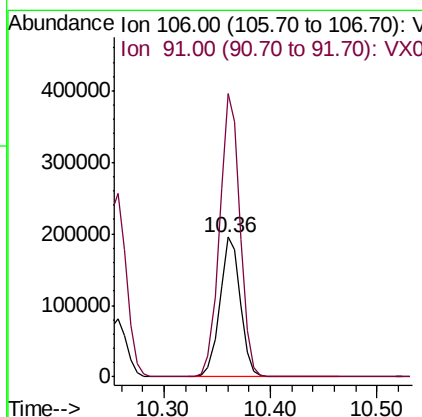
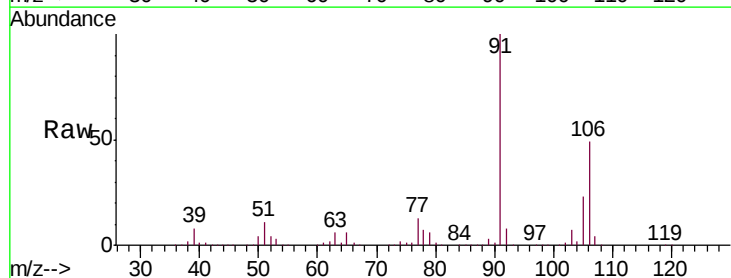
Manual Integrations
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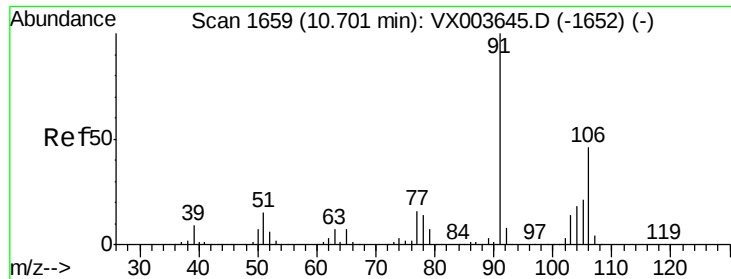
MMDadoda
7/27/2018 5:40:35 PM



#68
m/p-Xylenes
Concen: 102.68 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Tgt Ion: 106 Resp: 260940
Ion Ratio Lower Upper
106 100
91 202.2 162.2 243.2





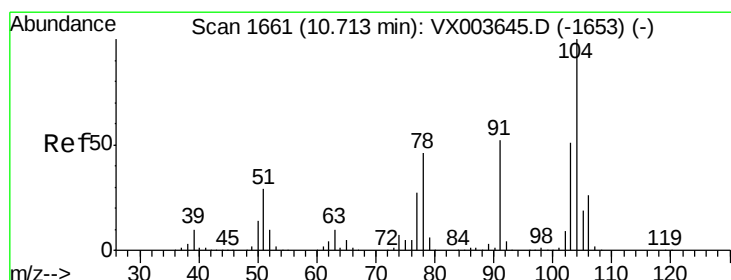
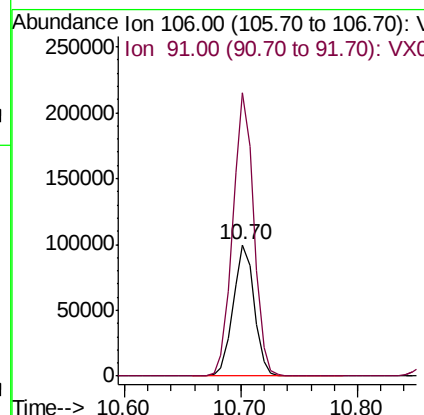
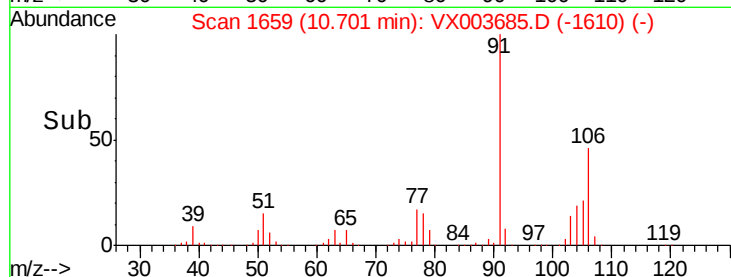
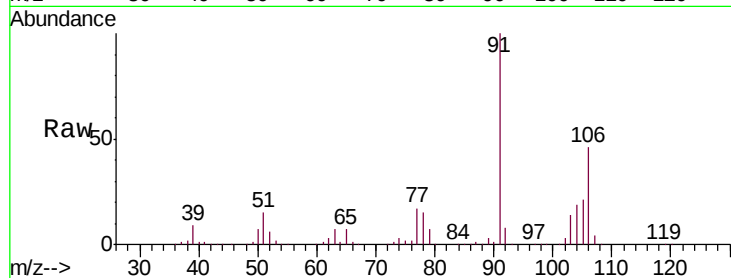
#69
o-Xylene
Concen: 51.37 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.2	107.1	321.1

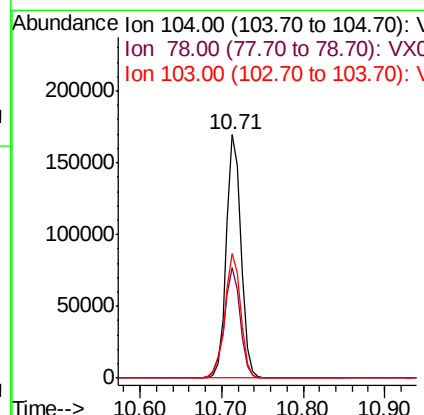
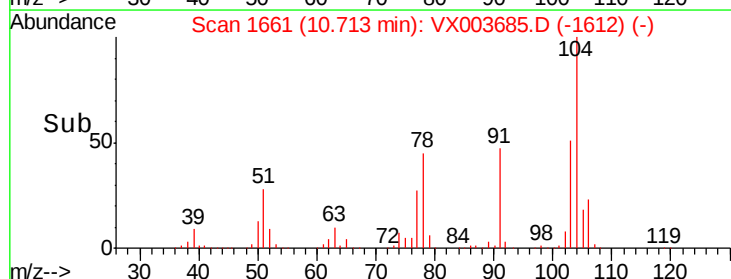
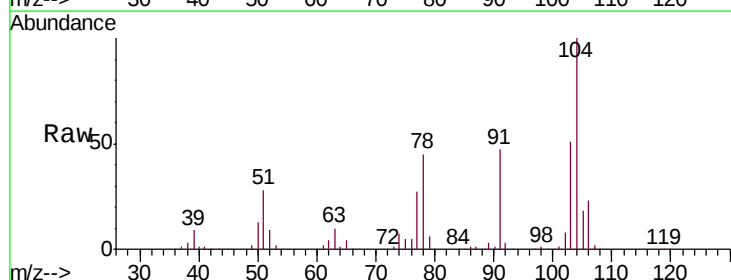
Manual Integrations
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7/27/2018 5:40:35 PM



#70
Styrene
Concen: 51.98 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.2	39.2	58.8
103	55.2	44.2	66.4





#71

Bromoform

Concen: 51.69 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 56236

Ion Ratio Lower Upper

173 100

175 48.6 24.1 72.2

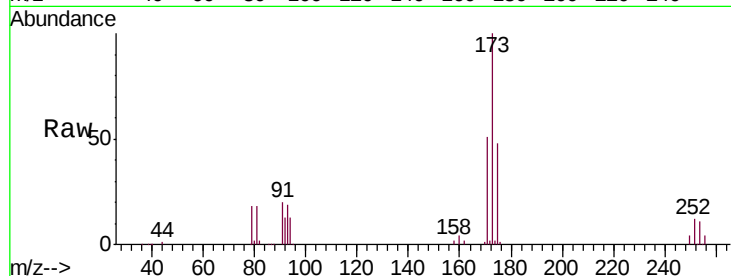
254 0.1 0.0 0.0#

Manual Integrations

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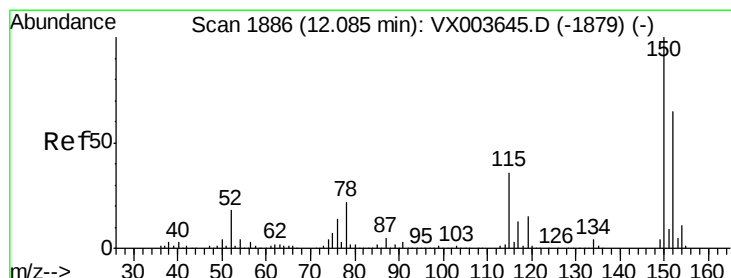
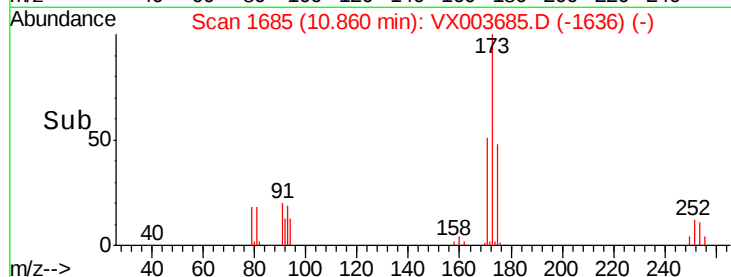
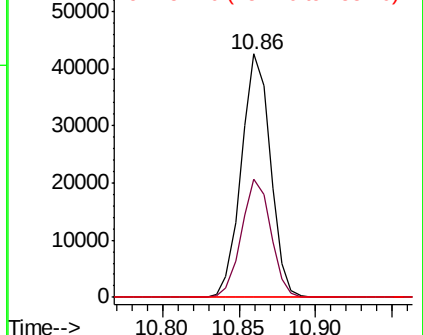
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Abundance Ion 172.70 (172.40 to 173.40): V

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: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

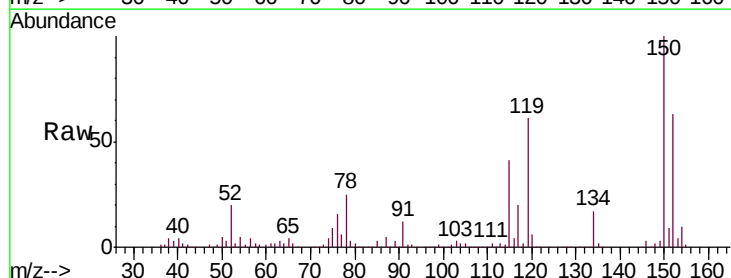
Tgt Ion:152 Resp: 98072

Ion Ratio Lower Upper

152 100

115 78.0 40.0 119.9

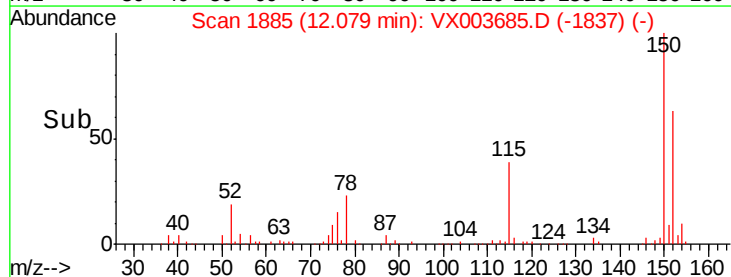
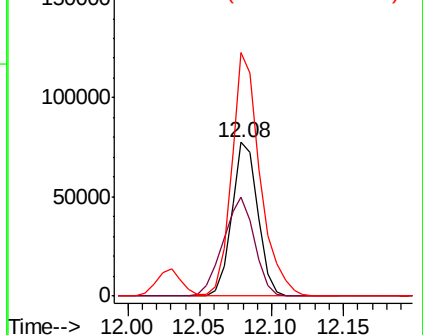
150 171.7 0.0 348.4

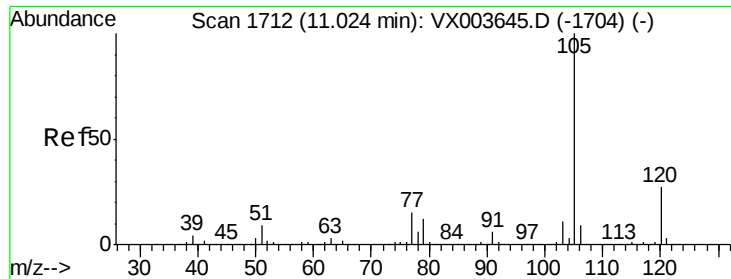


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.50 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 338383

Ion Ratio Lower Upper

105 100

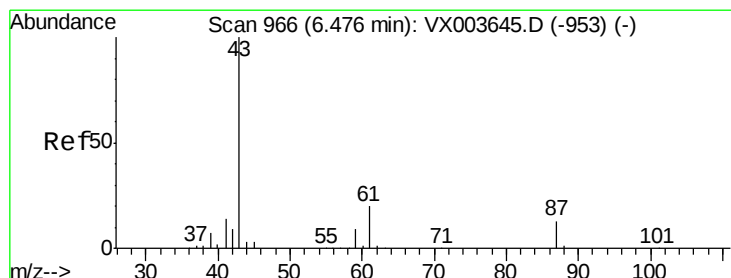
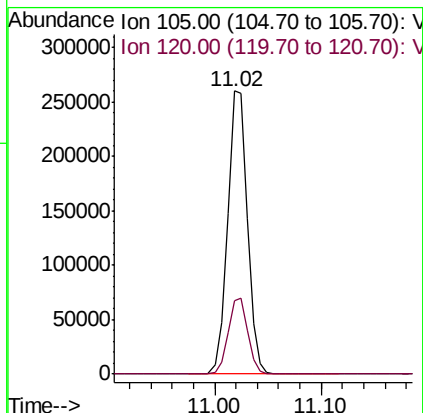
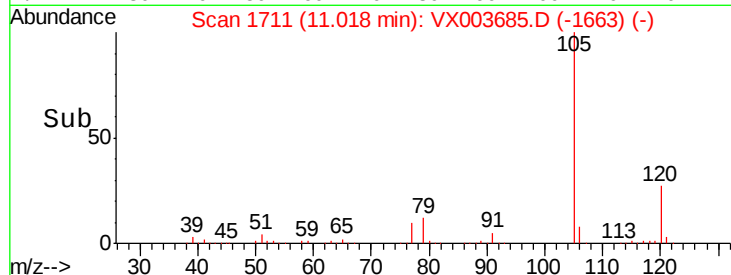
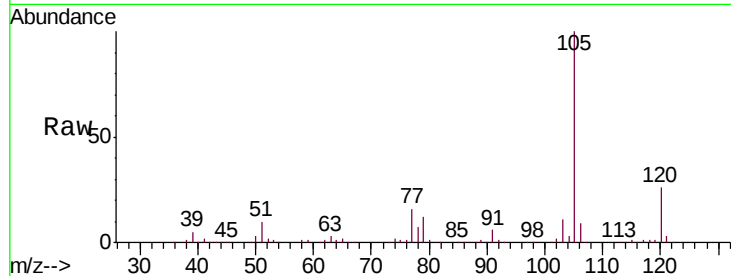
120 26.5 13.5 40.5

Manual Integrations

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7/27/2018 5:40:35 PM



#74

N-ethyl acetate

Concen: 46.51 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

Tgt Ion: 43 Resp: 162522

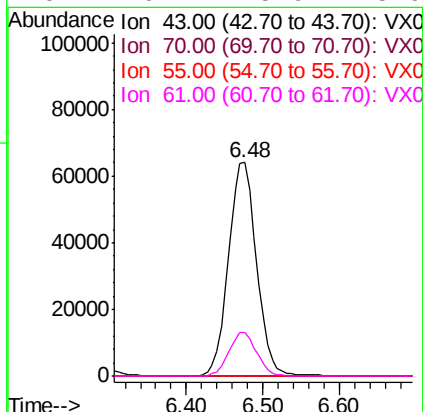
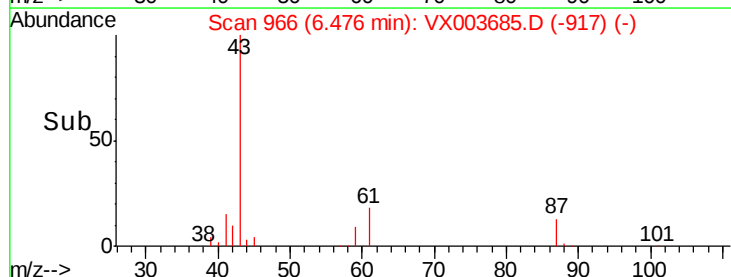
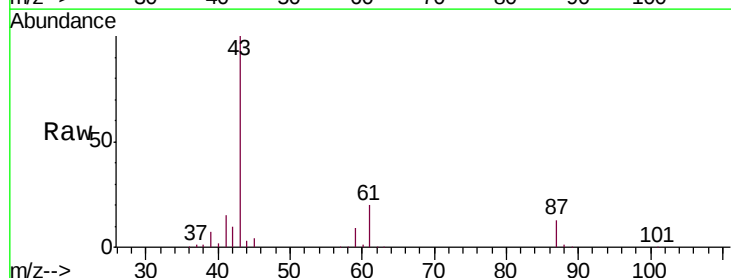
Ion Ratio Lower Upper

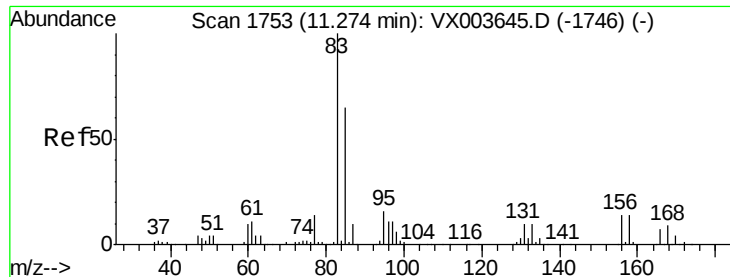
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 20.2 15.9 23.9





#75

1,1,2,2-Tetrachloroethane

Concen: 46.97 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

Instrument :

MSVOA_X

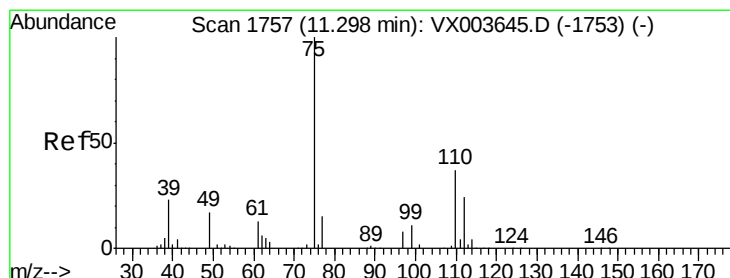
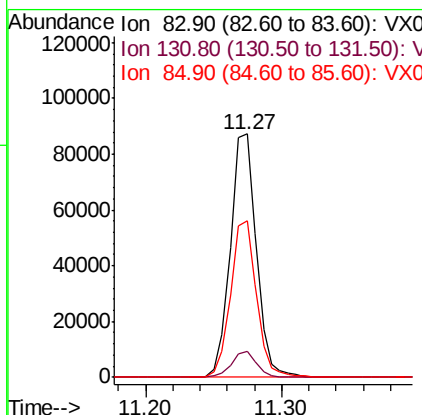
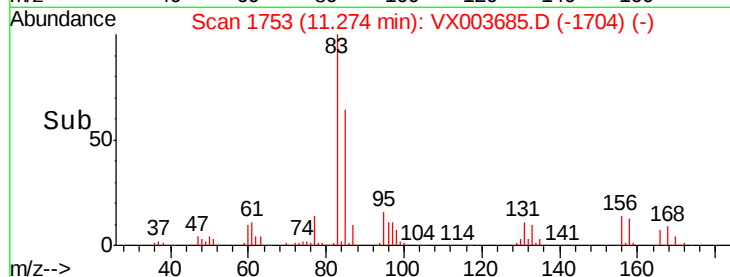
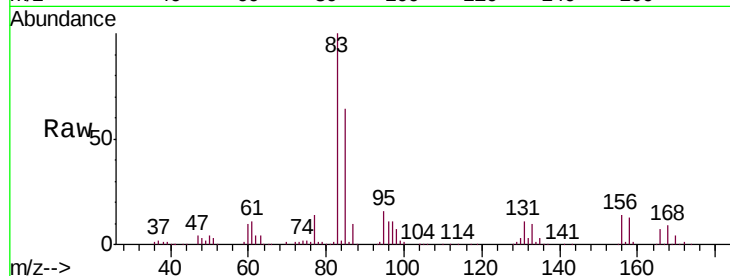
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	116217
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.4
85	64.0	31.9	95.9

Manual Integrations
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7/27/2018 5:40:35 PM



#76

1,2,3-Trichloropropane

Concen: 47.84 ug/l m

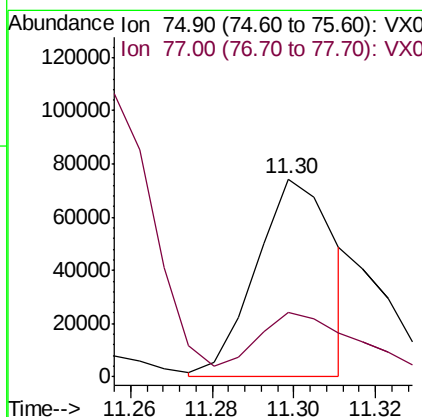
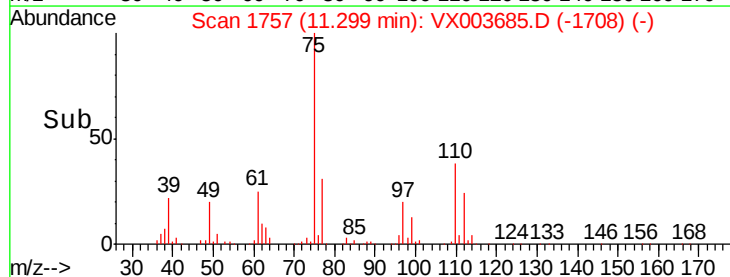
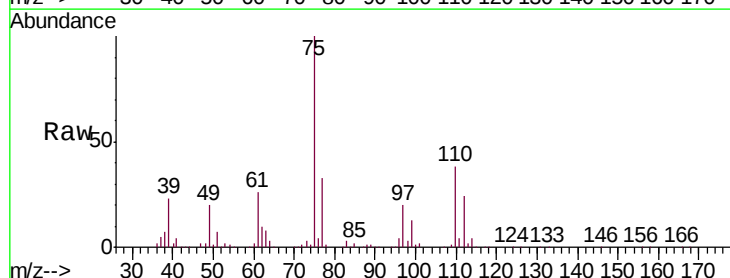
RT: 11.30 min Scan# 1757

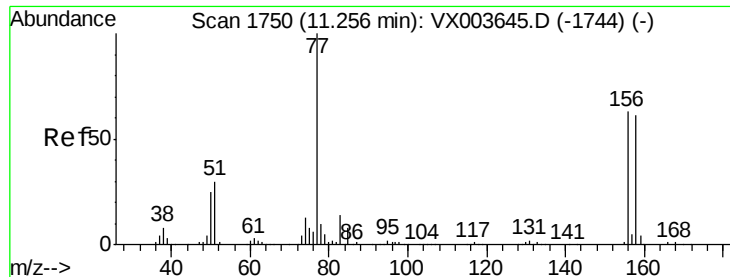
Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

Tgt Ion:	75	Resp:	98414
Ion Ratio	Lower	Upper	
75	100		
77	43.0	21.6	64.6





#77

Bromobenzene

Concen: 48.65 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion:156 Resp: 88542

Ion Ratio Lower Upper

156 100

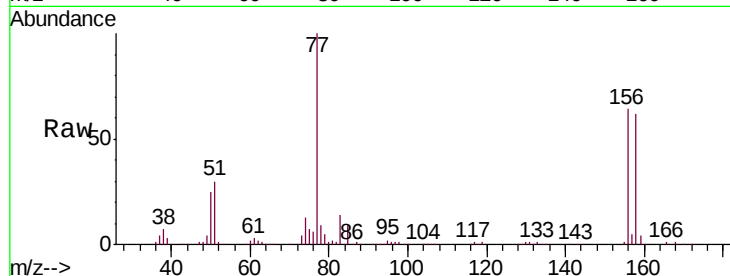
77 149.9 74.9 224.6

158 97.1 48.4 145.2

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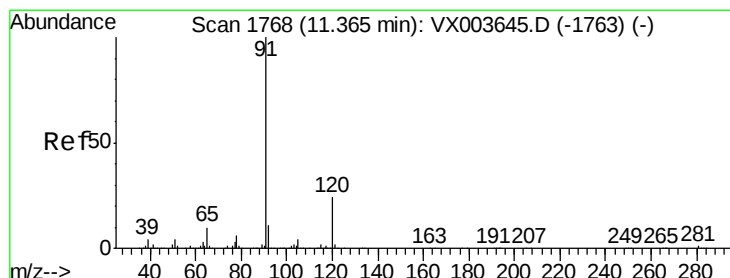
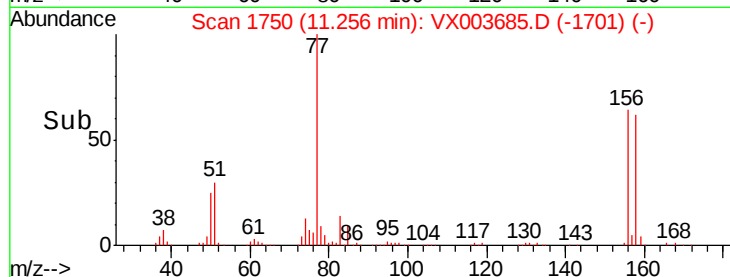
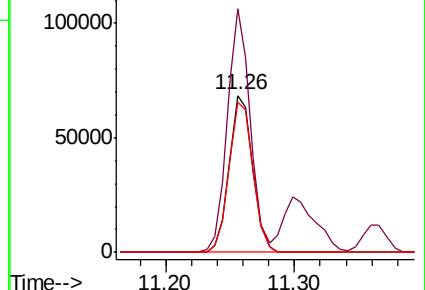
7/27/2018 5:40:35 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.04 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003685.D

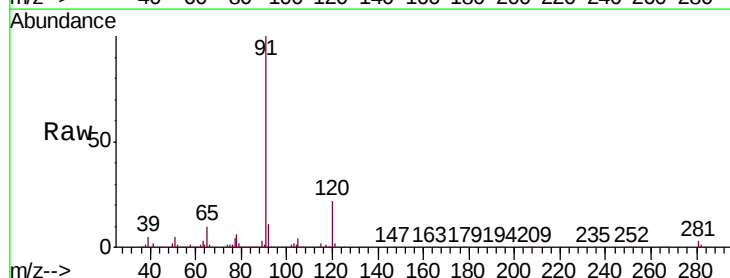
Acq: 26 Jul 2018 21:59

Tgt Ion: 91 Resp: 394891

Ion Ratio Lower Upper

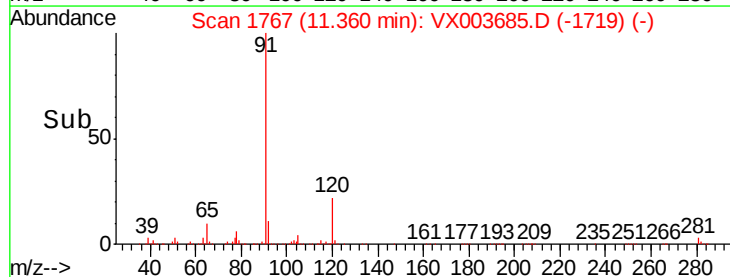
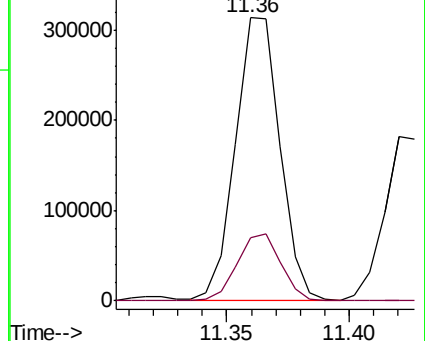
91 100

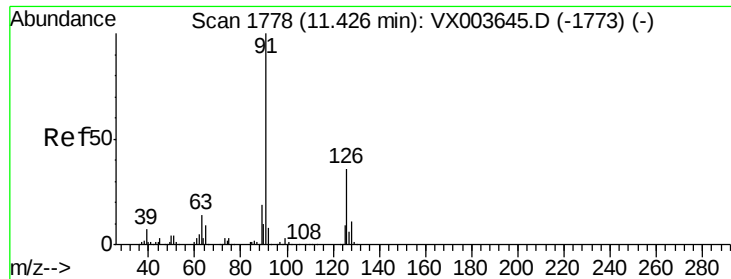
120 23.4 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.38 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 232229

Ion Ratio Lower Upper

91 100

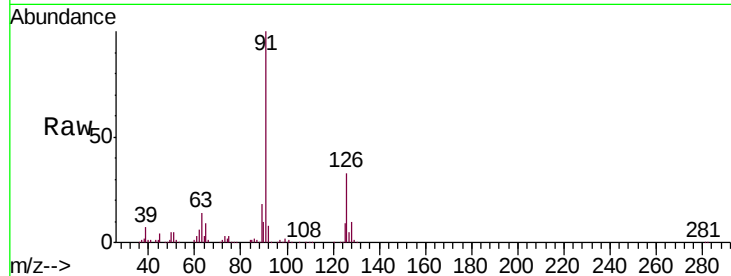
126 34.6 17.3 52.0

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Abundance Ion 91.00 (90.70 to 91.70): VX003645.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX003645.D (-1773) (-)

300000

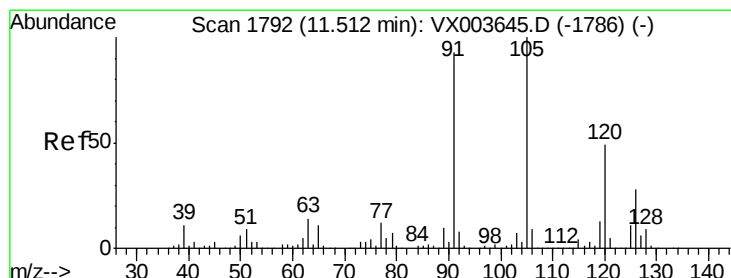
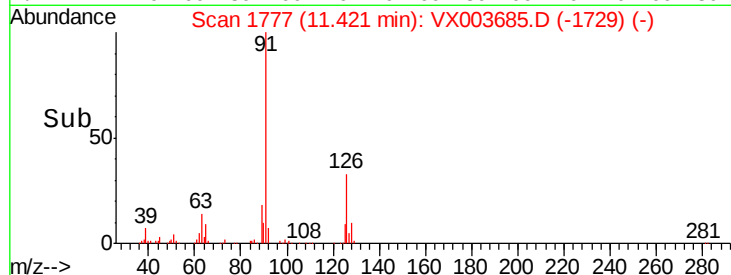
200000

100000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.20 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003685.D

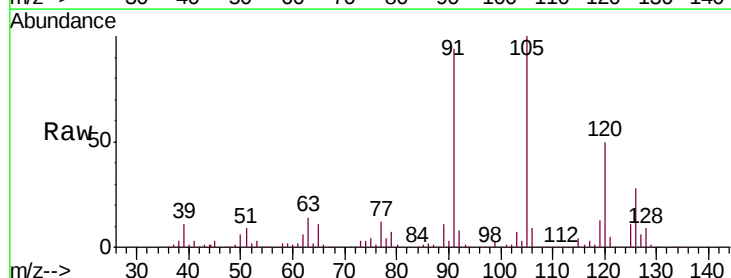
Acq: 26 Jul 2018 21:59

Tgt Ion: 105 Resp: 290254

Ion Ratio Lower Upper

105 100

120 48.7 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003645.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX003645.D (-1786) (-)

250000

200000

150000

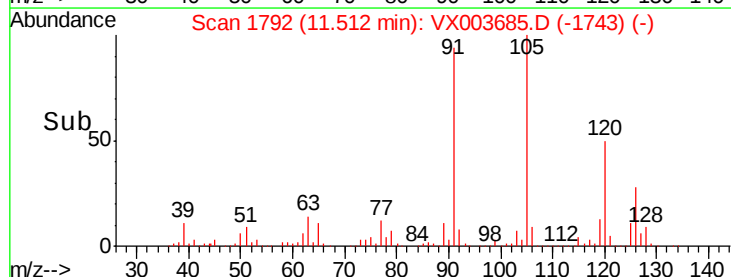
100000

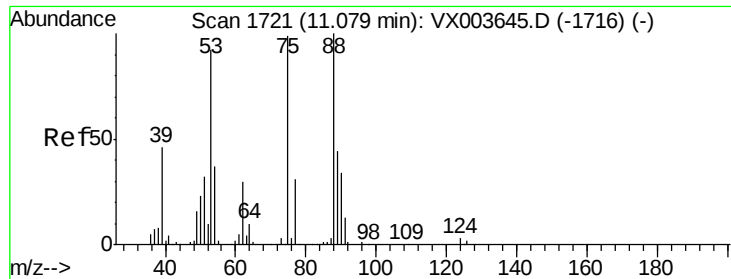
50000

0

11.50 11.51 11.60

Time-->





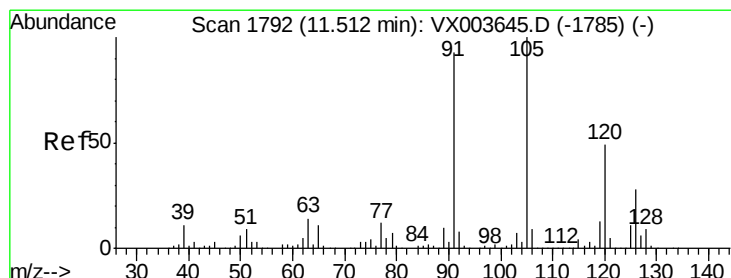
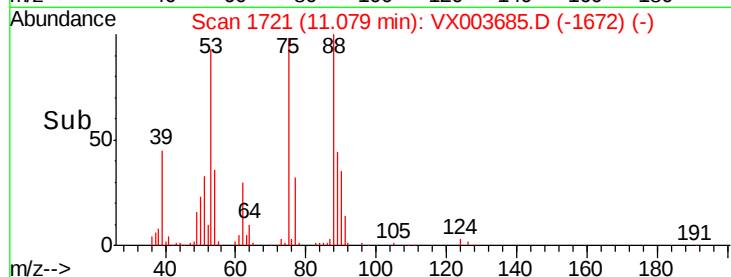
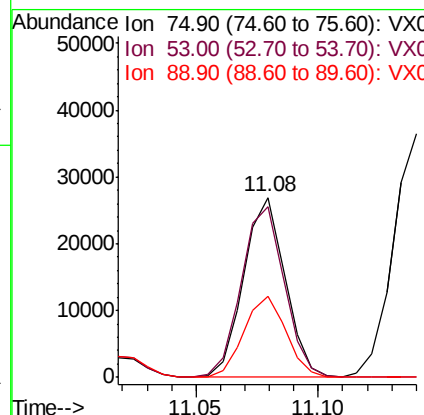
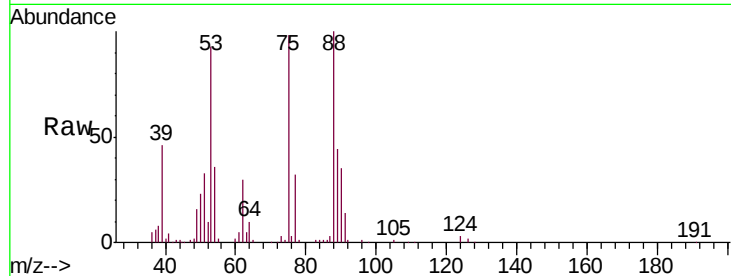
#81
trans-1,4-Dichloro-2-butene
Concen: 47.96 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.1	77.8	116.8
89	45.9	36.6	54.8

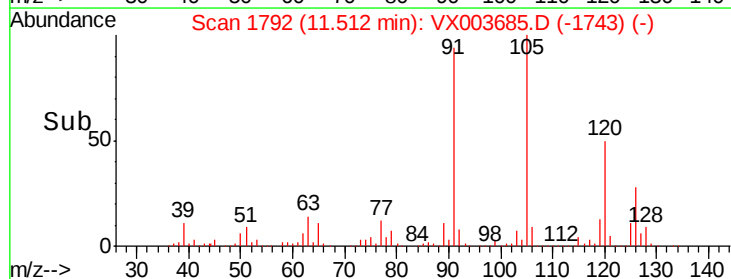
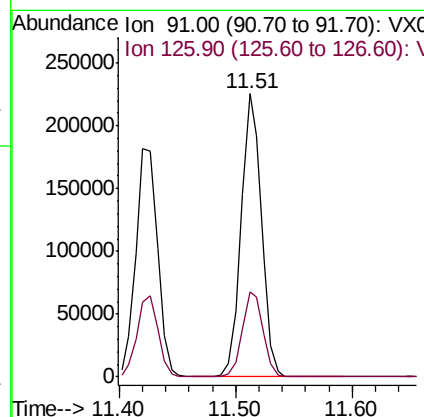
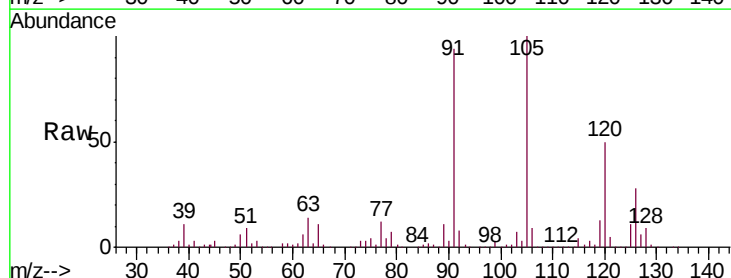
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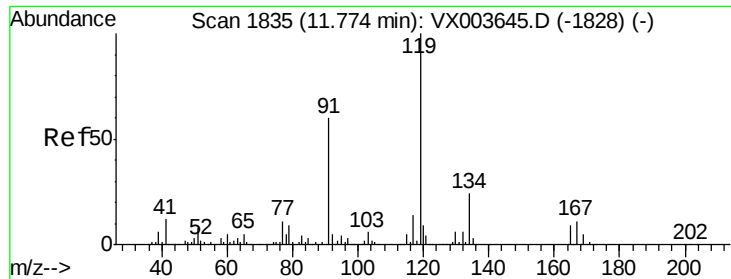
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.63 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.4	46.1





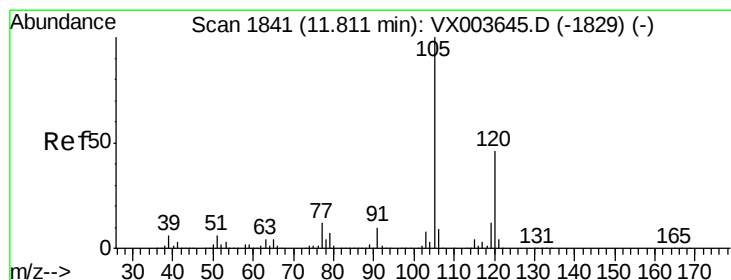
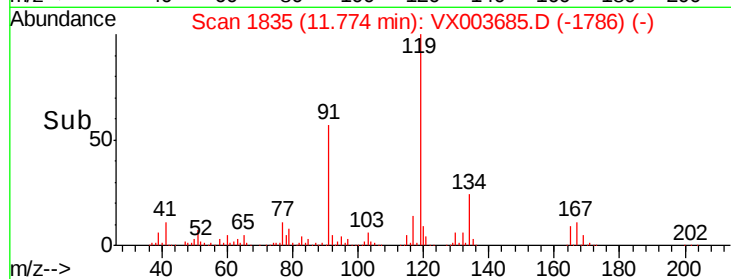
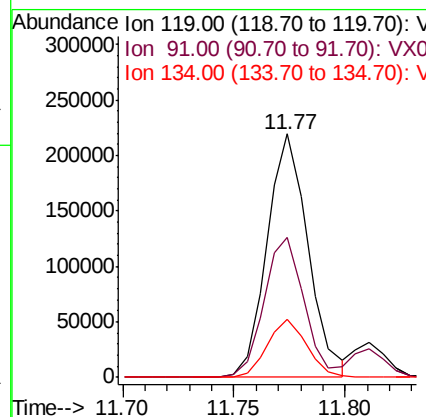
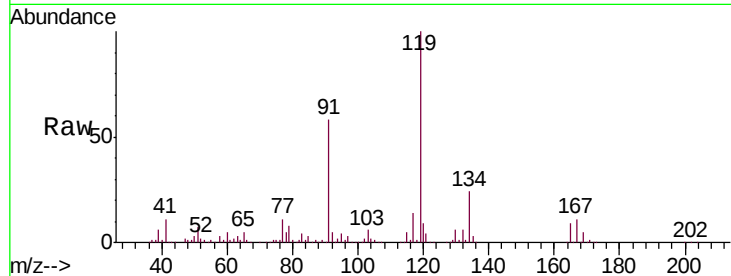
#83
 tert-Butylbenzene
 Concen: 50.61 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003685.D
 Acq: 26 Jul 2018 21:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	280747		
91	55.4		28.4	85.2
134	22.9		11.6	34.8

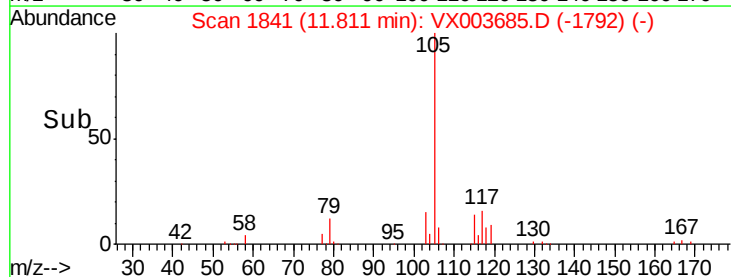
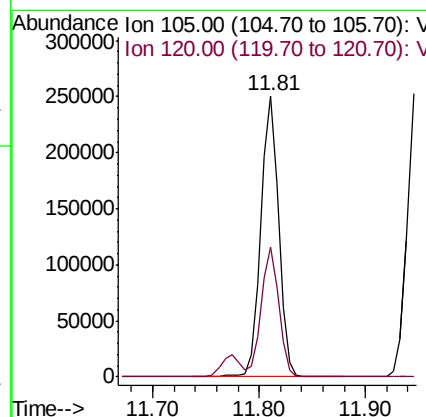
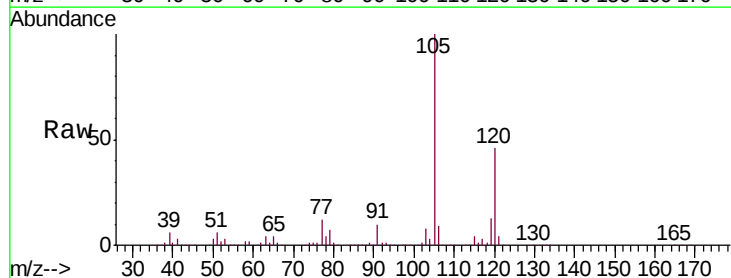
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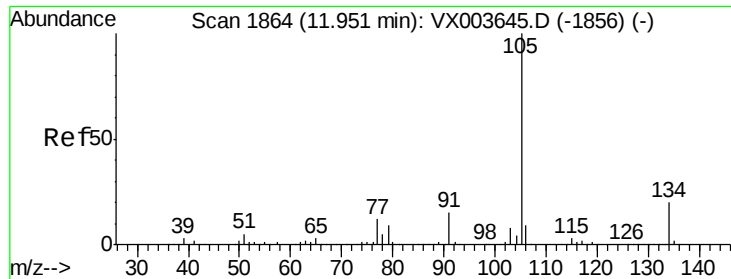
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.81 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003685.D
 Acq: 26 Jul 2018 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	296032		
120	45.5		22.6	67.8





#85

sec-Butylbenzene

Concen: 50.90 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 337004

Ion Ratio Lower Upper

105 100

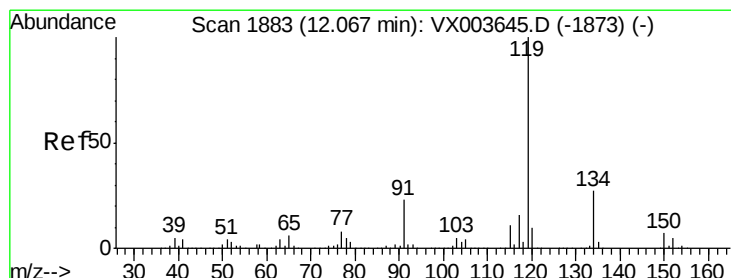
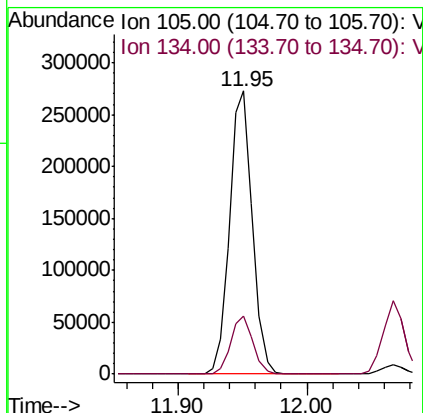
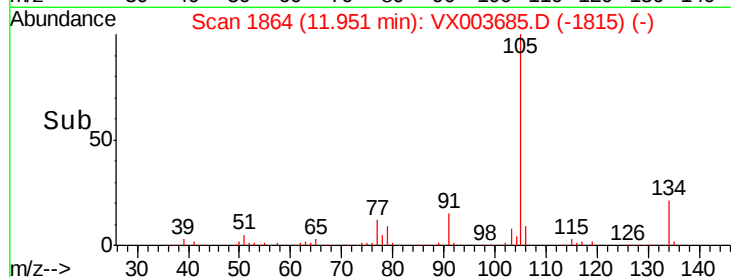
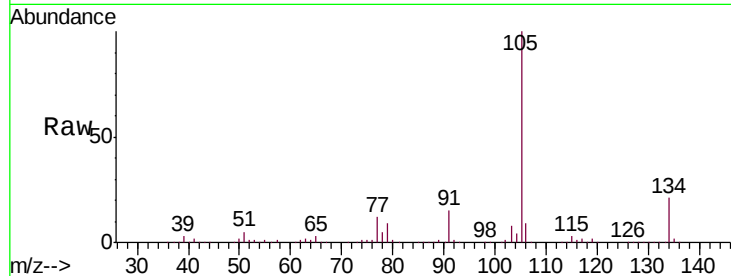
134 20.2 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 50.83 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003685.D

Acq: 26 Jul 2018 21:59

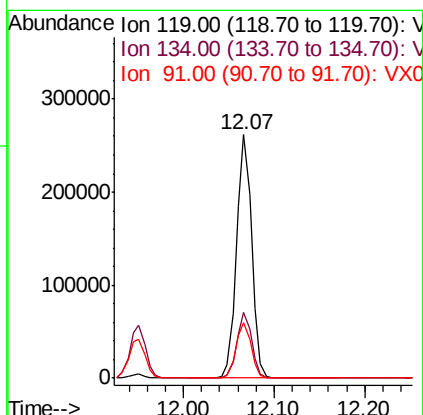
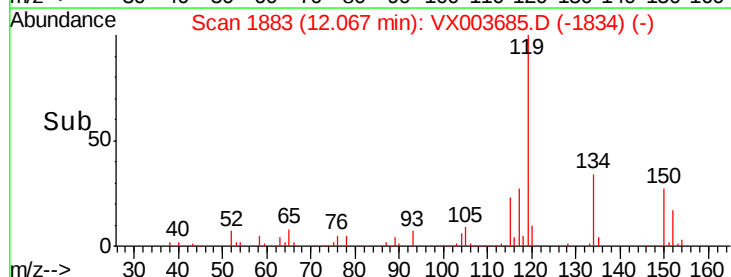
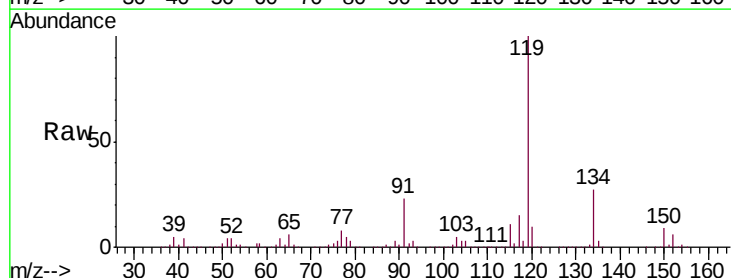
Tgt Ion:119 Resp: 302054

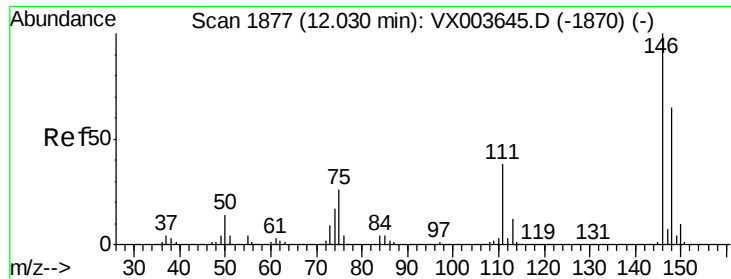
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

91 22.7 11.5 34.5





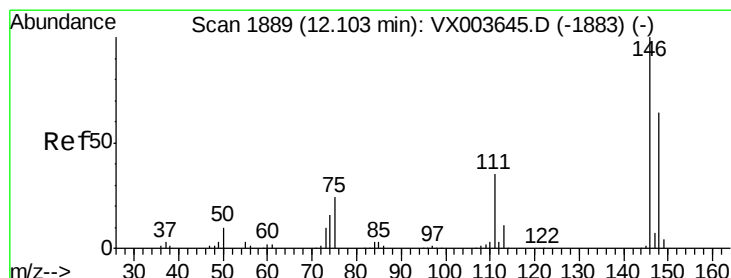
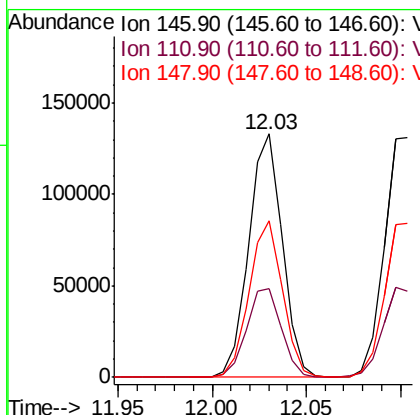
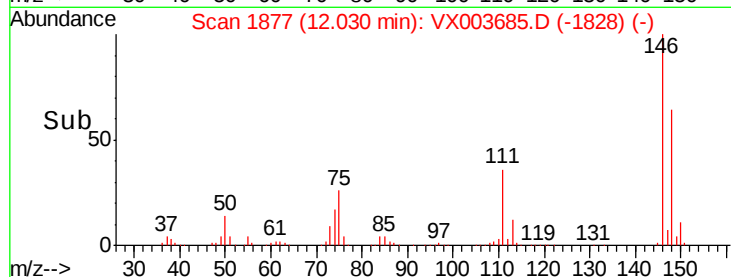
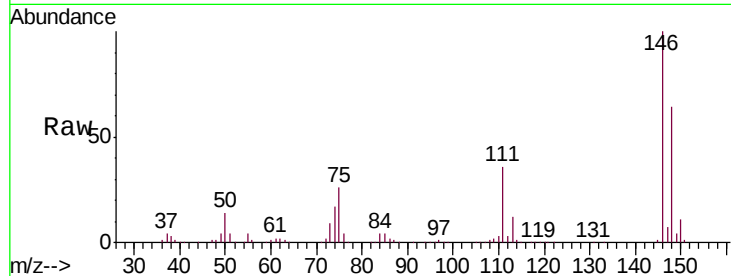
#87
 1,3-Dichlorobenzene
 Concen: 48.60 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003685.D
 Acq: 26 Jul 2018 21:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.4	58.2
148	63.8	32.4	97.0

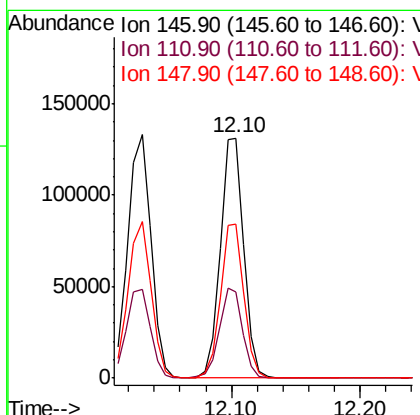
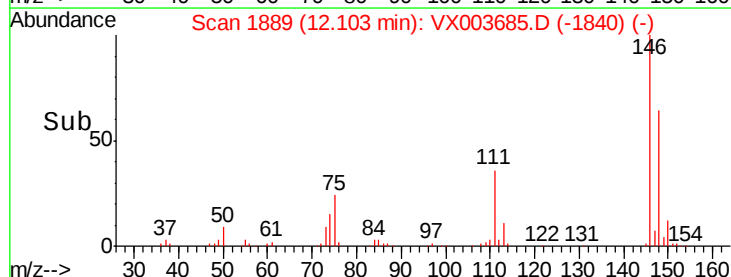
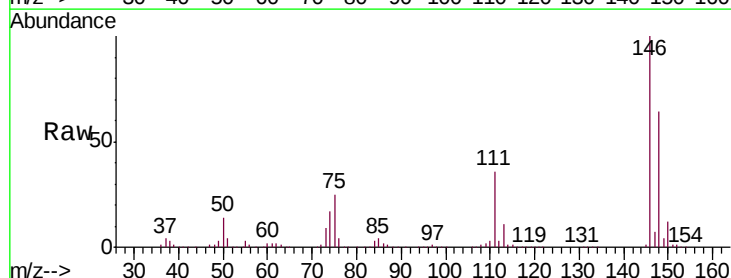
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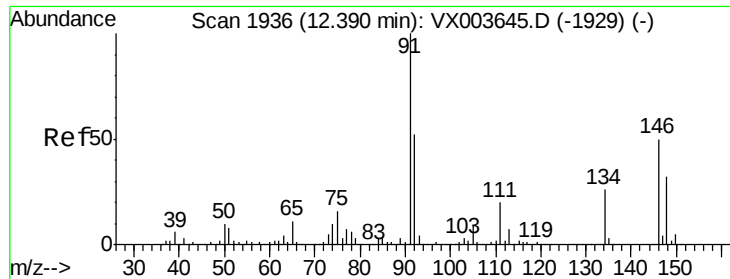
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#88
 1,4-Dichlorobenzene
 Concen: 47.65 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX003685.D
 Acq: 26 Jul 2018 21:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.6
148	64.3	32.0	96.2





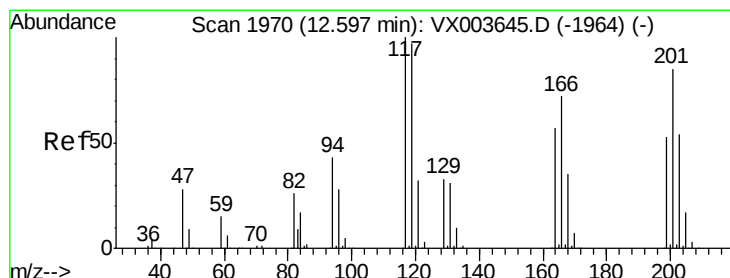
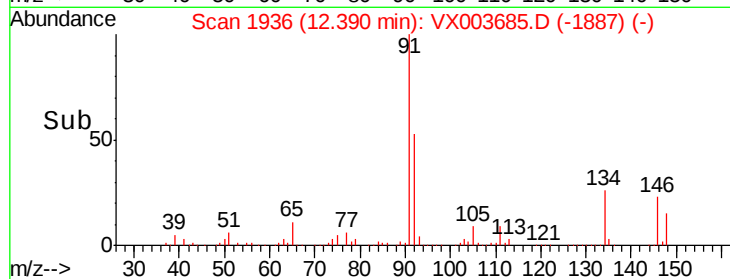
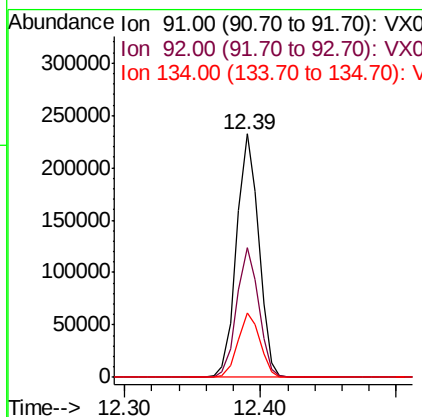
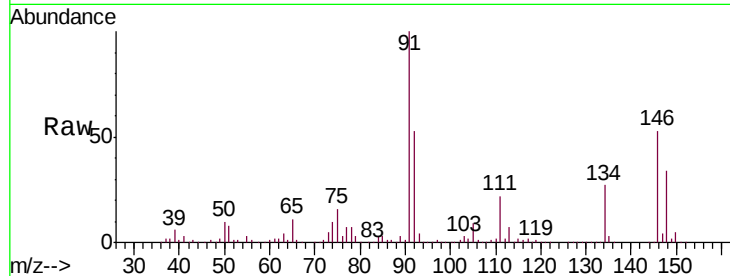
#89
n-Butylbenzene
Concen: 49.24 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.9
134	26.4	13.3	39.8

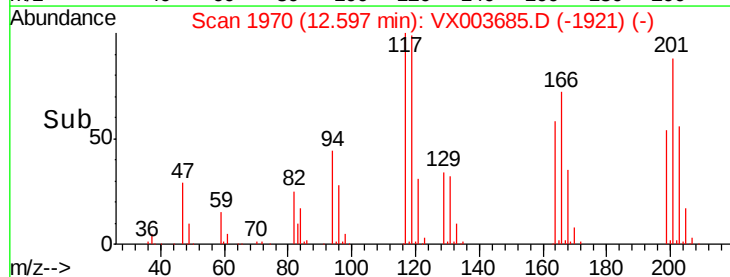
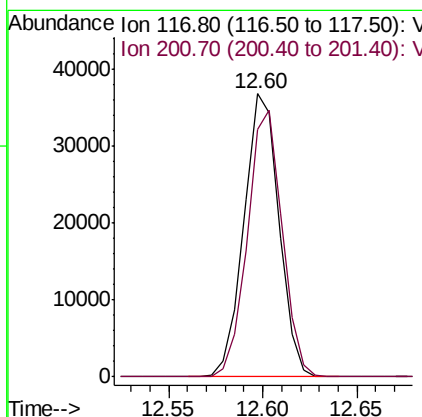
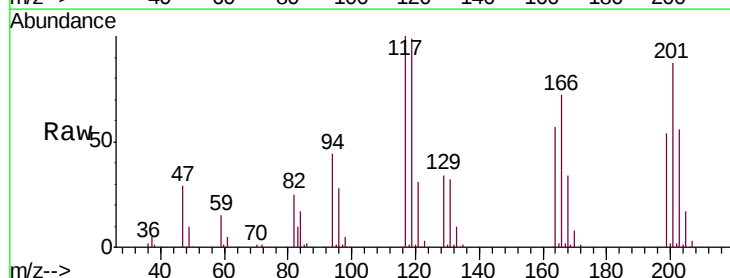
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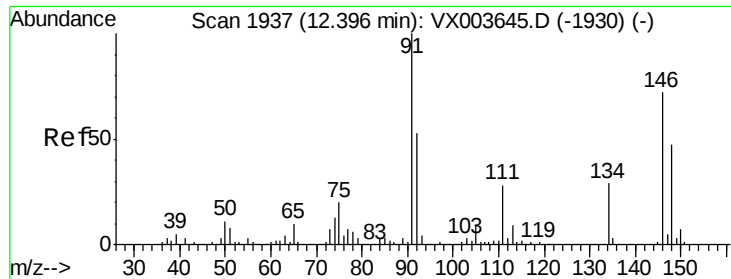
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#90
Hexachloroethane
Concen: 52.86 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.0	46.2	138.5





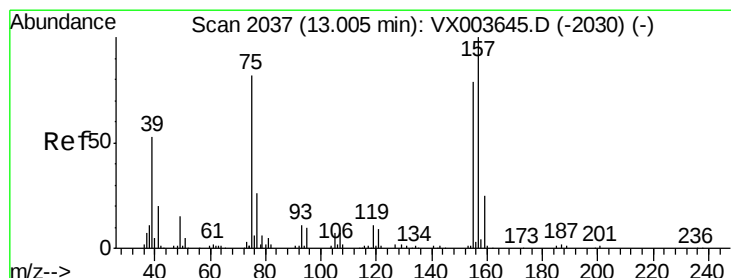
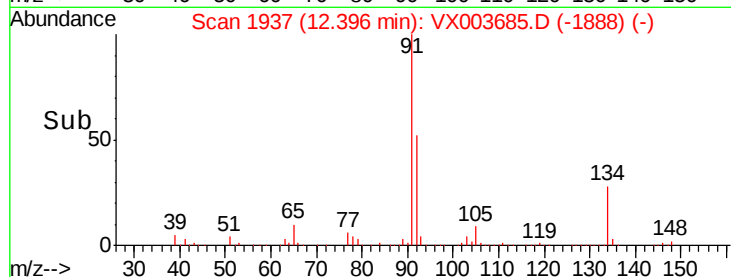
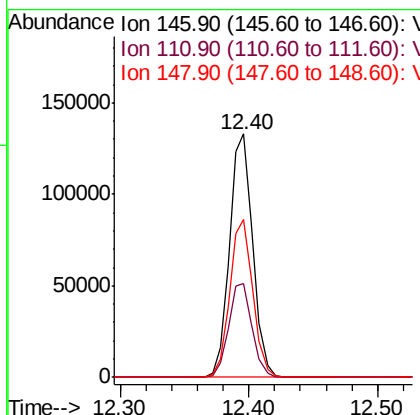
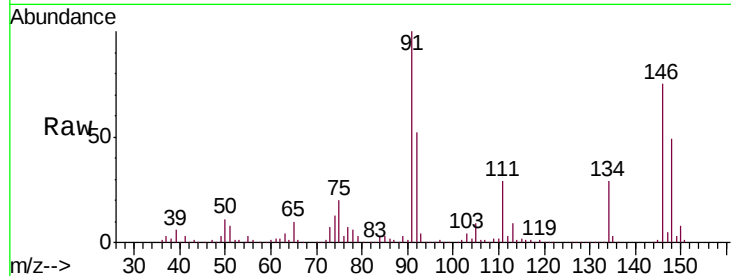
#91
 1,2-Dichlorobenzene
 Concen: 48.44 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003685.D
 Acq: 26 Jul 2018 21:59

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	167755		
111	39.1	19.8	59.4	
148	64.1	32.2	96.6	

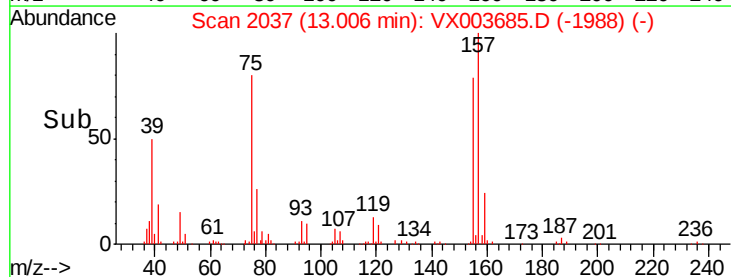
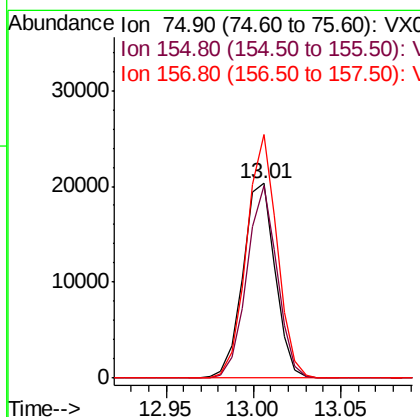
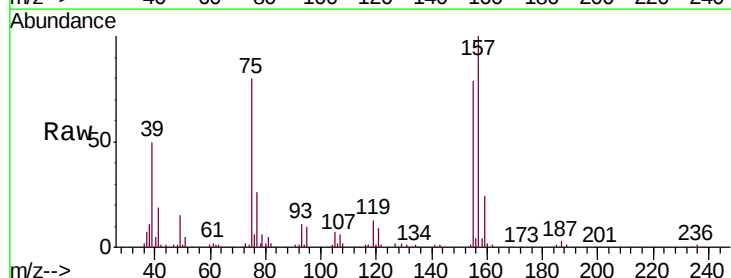
Manual Integrations
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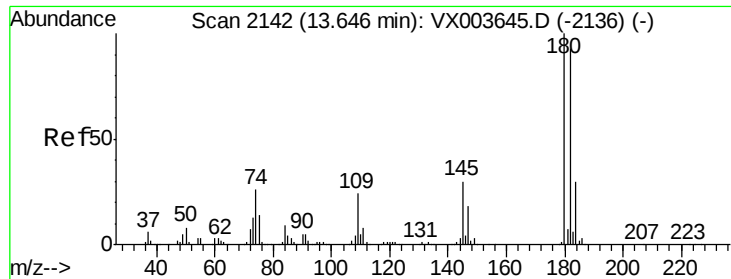
MMDadoda
 7/27/2018 5:40:35 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.58 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003685.D
 Acq: 26 Jul 2018 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	26051		
155	92.8	46.1	138.3	
157	118.2	59.7	179.0	





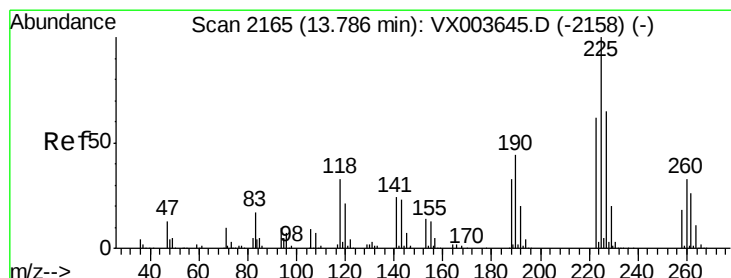
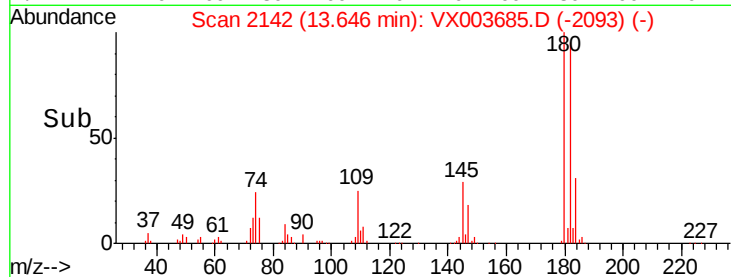
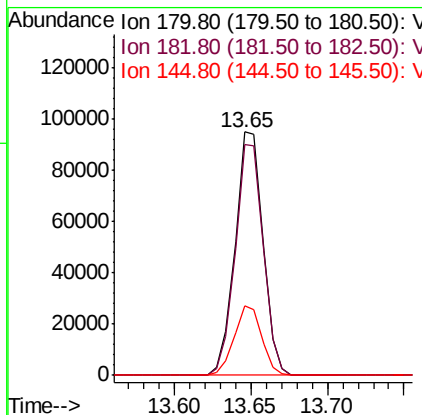
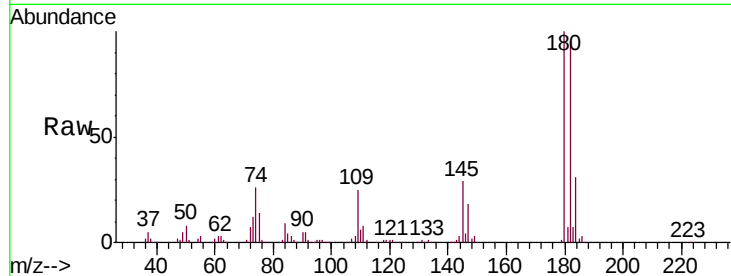
#93
 1,2,4-Trichlorobenzene
 Concen: 48.48 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003685.D
 Acq: 26 Jul 2018 21:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.9	143.8
145	28.2	14.4	43.2

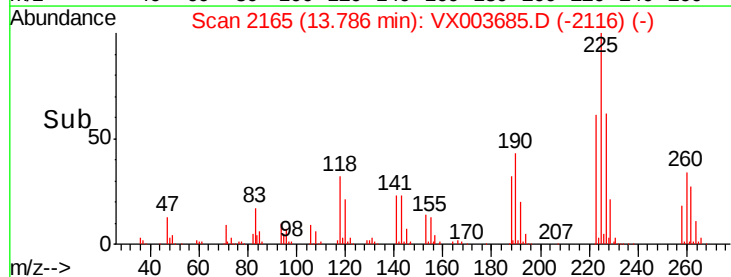
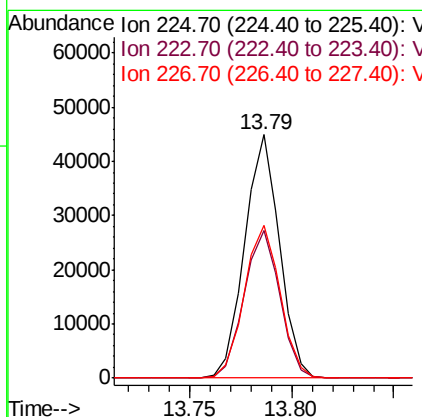
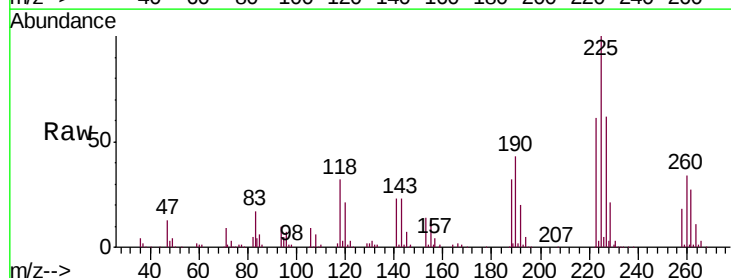
Manual Integrations
 APPROVED

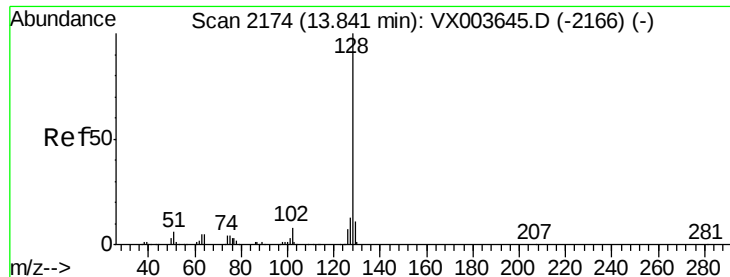
MMDadoda
 7/27/2018 5:40:35 PM



#94
 Hexachlorobutadiene
 Concen: 46.58 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003685.D
 Acq: 26 Jul 2018 21:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	30.9	92.5
227	64.3	31.9	95.7





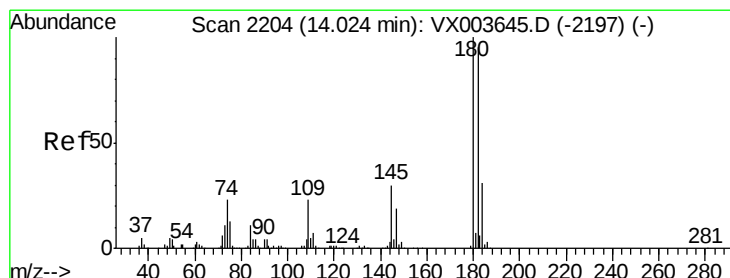
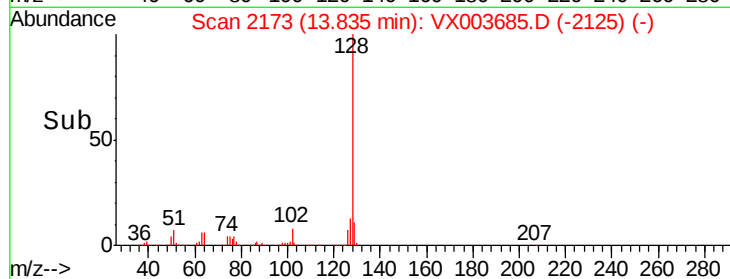
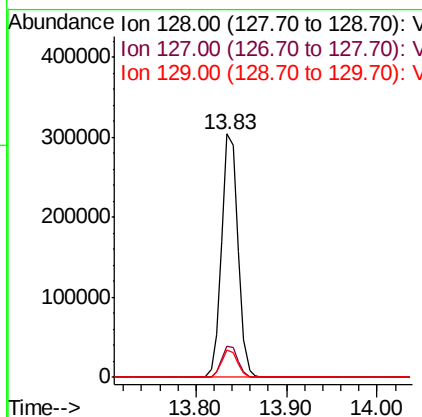
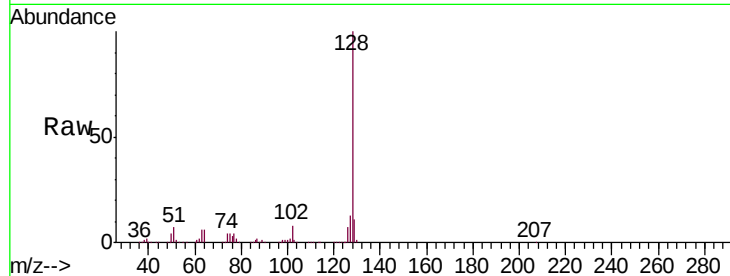
#95
Naphthalene
Concen: 51.20 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/27/2018 5:40:35 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.87 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003685.D
Acq: 26 Jul 2018 21:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.6	142.8
145	29.8	15.0	45.1

