

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080918\
 Data File : VX003940.D
 Acq On : 09 Aug 2018 10:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/10/2018 10:55:20 AM

Quant Time: Aug 10 01:10:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	371858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	524535	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	491508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	304994	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	234964	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
35) Dibromofluoromethane	5.50	113	197668	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
50) Toluene-d8	8.71	98	765457	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	11.14	95	291332	58.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	192254	51.02	ug/l	99
3) Chloromethane	1.32	50	218969	42.71	ug/l	100
4) Vinyl Chloride	1.40	62	242094	47.35	ug/l	99
5) Bromomethane	1.64	94	116404	42.89	ug/l	99
6) Chloroethane	1.71	64	178089	54.44	ug/l	97
7) Trichlorofluoromethane	1.92	101	336136	49.80	ug/l	99
8) Diethyl Ether	2.19	74	149649	49.32	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	214611	50.86	ug/l	100
10) Methyl Iodide	2.51	142	190675	36.32	ug/l	99
11) Tert butyl alcohol	3.07	59	261418	220.70	ug/l	99
12) 1,1-Dichloroethene	2.37	96	197383	49.45	ug/l	97
13) Acrolein	2.29	56	119968	195.57	ug/l	100
14) Allyl chloride	2.73	41	375197	48.77	ug/l	97
15) Acrylonitrile	3.15	53	641963	227.13	ug/l	100
16) Acetone	2.45	43	740833	252.62	ug/l	99
17) Carbon Disulfide	2.57	76	544171	48.12	ug/l	100
18) Methyl Acetate	2.78	43	301169	47.16	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	705503	49.88	ug/l	99
20) Methylene Chloride	2.85	84	228657	49.46	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	217002	47.89	ug/l	97
22) Diisopropyl ether	3.87	45	687347	48.60	ug/l	98
23) Vinyl Acetate	3.82	43	2919640	248.11	ug/l	99
24) 1,1-Dichloroethane	3.70	63	403359	48.01	ug/l	100
25) 2-Butanone	4.70	43	1078204	244.54	ug/l	98
26) 2,2-Dichloropropane	4.58	77	335547	55.38	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	250457	50.94	ug/l	98
28) Bromochloromethane	5.02	49	179731	49.99	ug/l	98
29) Tetrahydrofuran	5.16	42	526618	232.38	ug/l	100
30) Chloroform	5.21	83	398112	50.34	ug/l	98
31) Cyclohexane	5.57	56	360933	50.80	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	345629	52.11	ug/l	99
36) 1,1-Dichloropropene	5.80	75	313893	53.43	ug/l	99
37) Ethyl Acetate	4.86	43	318189	49.24	ug/l	99
38) Carbon Tetrachloride	5.78	117	296953	53.11	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	381703	55.11	ug/l	98
40) Benzene	6.14	78	926088	52.50	ug/l	100
41) Methacrylonitrile	5.06	41	178527	50.16	ug/l	99
42) 1,2-Dichloroethane	6.20	62	313808	52.61	ug/l	100
43) Isopropyl Acetate	6.46	43	509015	52.34	ug/l	99
44) Trichloroethene	7.21	130	252552	52.35	ug/l	96
45) 1,2-Dichloropropane	7.52	63	238139	52.28	ug/l	100
46) Dibromomethane	7.67	93	152136	51.44	ug/l	99
47) Bromodichloromethane	7.90	83	299124	53.69	ug/l	99
48) Methyl methacrylate	7.77	41	261789	52.96	ug/l	98
49) 1,4-Dioxane	7.76	88	115386	990.83	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	2064524	256.12	ug/l	99
52) Toluene	8.79	92	600760	53.90	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	348981	55.42	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	377317	55.57	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	236636	51.95	ug/l	99
56) Ethyl methacrylate	9.18	69	368847	55.81	ug/l	99
57) 1,3-Dichloropropane	9.37	76	399230	52.37	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	824429	253.70	ug/l	99
59) 2-Hexanone	9.50	43	1601817	265.84	ug/l	99
60) Dibromochloromethane	9.59	129	243538	57.35	ug/l	100
61) 1,2-Dibromoethane	9.68	107	247541	54.28	ug/l	100
64) Tetrachloroethene	9.34	164	238920	49.41	ug/l	96
65) Chlorobenzene	10.14	112	659301	51.55	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	234514	53.34	ug/l	99
67) Ethyl Benzene	10.25	91	1133891	54.16	ug/l	98
68) m/p-Xylenes	10.36	106	909935	111.23	ug/l	95
69) o-Xylene	10.70	106	438728	56.81	ug/l	99
70) Styrene	10.71	104	730795	57.80	ug/l	98
71) Bromoform	10.86	173	191217	51.22	ug/l	99
73) Isopropylbenzene	11.02	105	1171971	51.94	ug/l	97
74) N-amyl acetate	6.46	43	509015	43.38	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	369275	47.75	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	327389m	48.60	ug/l	
77) Bromobenzene	11.26	156	306924	50.99	ug/l	98
78) n-propylbenzene	11.36	91	1354019	53.44	ug/l	100
79) 2-Chlorotoluene	11.42	91	776310	50.26	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	970675	52.76	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	116391	47.13	ug/l	96
82) 4-Chlorotoluene	11.51	91	911422	50.36	ug/l	99
83) tert-Butylbenzene	11.77	119	979223	54.10	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	994817	53.78	ug/l	98
85) sec-Butylbenzene	11.94	105	1156924	54.16	ug/l	98
86) p-Isopropyltoluene	12.07	119	1068399	55.74	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	572020	51.41	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	568230	53.28	ug/l	99
89) n-Butylbenzene	12.39	91	890113	53.29	ug/l	99
90) Hexachloroethane	12.60	117	156918	50.42	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	534656	48.48	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	73601	46.46	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	401712	50.65	ug/l	99
94) Hexachlorobutadiene	13.79	225	185351	52.94	ug/l	97
95) Naphthalene	13.83	128	1246864	54.89	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	427768	54.04	ug/l	99

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

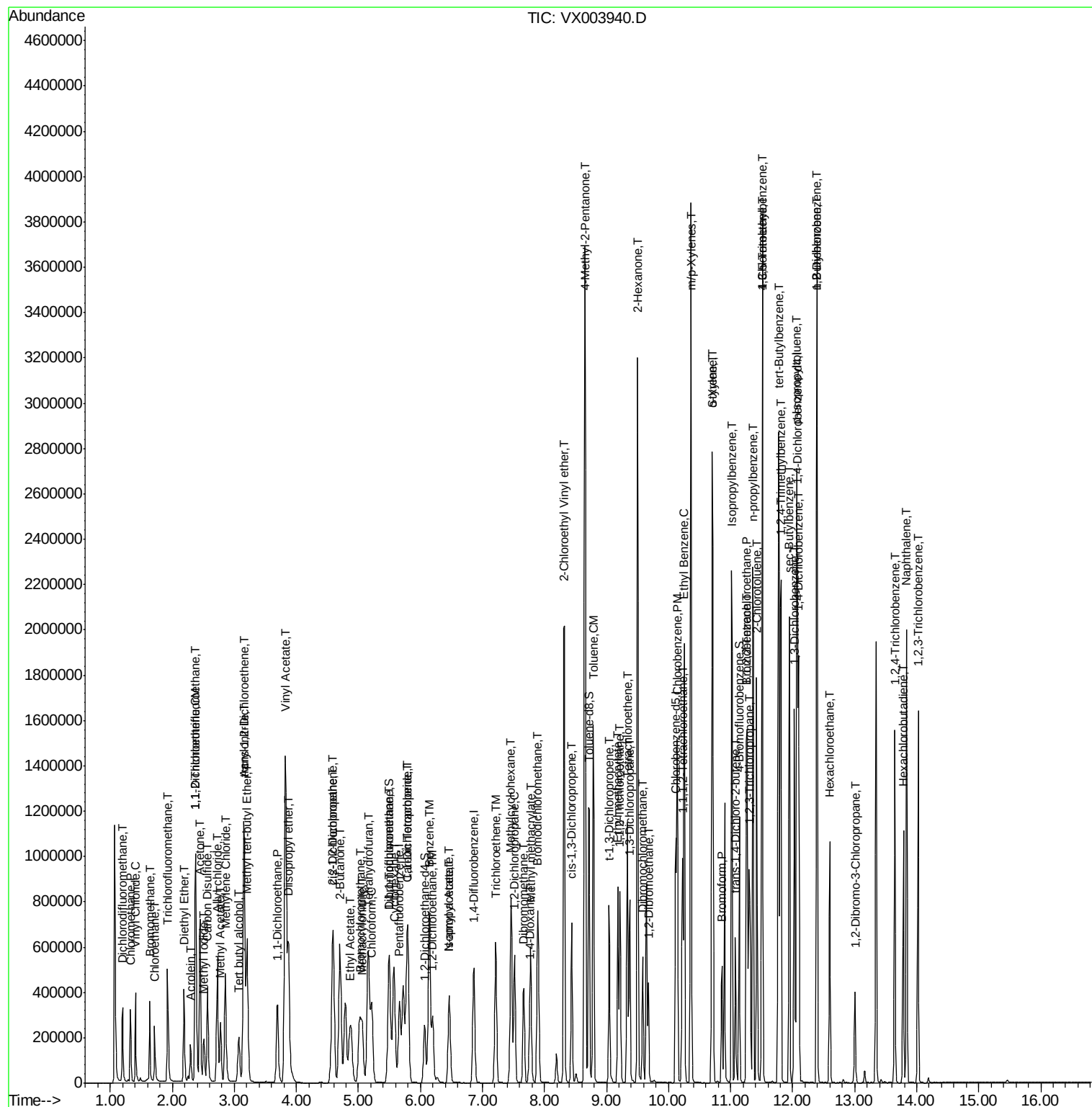
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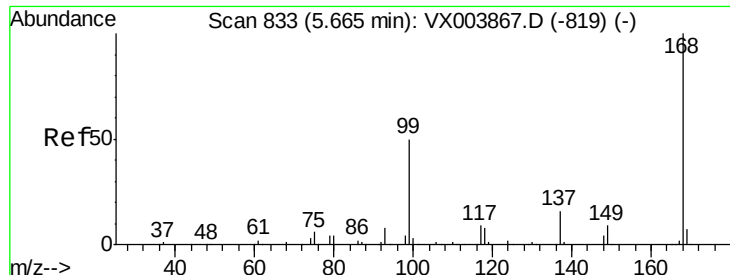
Instrument :
 MSVOA_X
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 371858

Ion Ratio Lower Upper

168 100

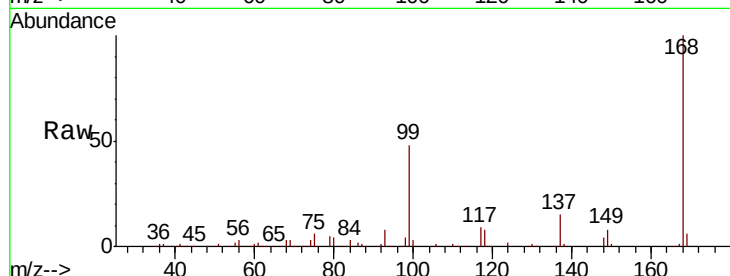
99 47.6 40.1 60.1

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

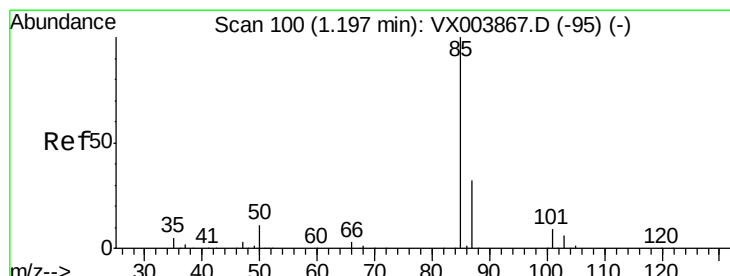
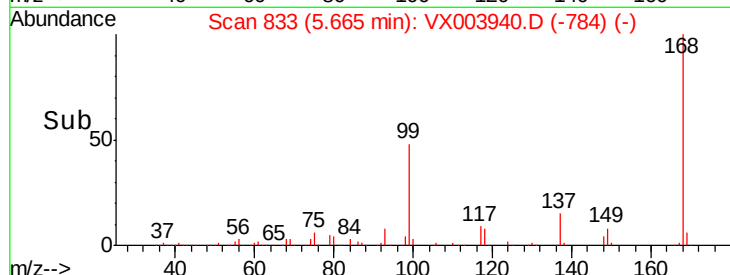
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.02 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003940.D

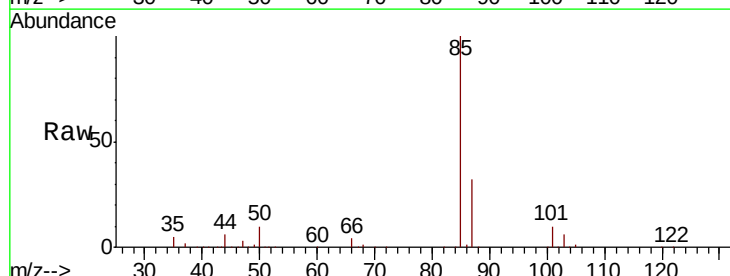
Acq: 09 Aug 2018 10:04

Tgt Ion: 85 Resp: 192254

Ion Ratio Lower Upper

85 100

87 32.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200000

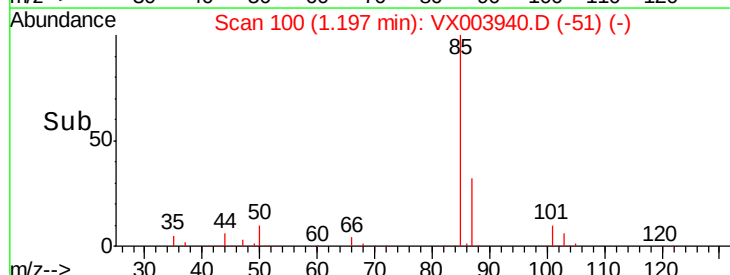
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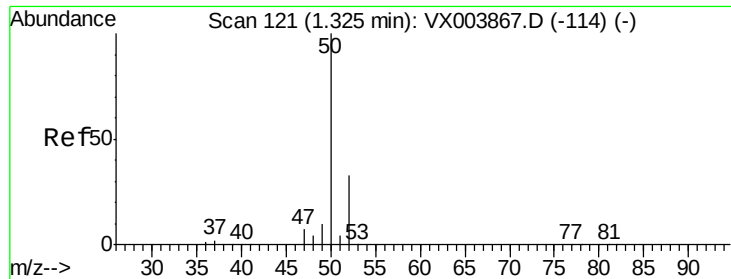
100000

50000

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Time-->





#3

Chloromethane

Concen: 42.71 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 218969

Ion Ratio Lower Upper

50 100

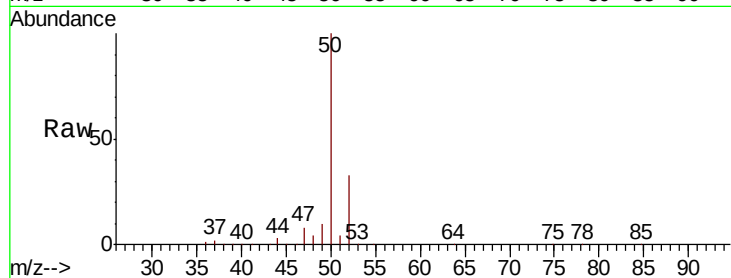
52 33.0 26.6 39.8

Manual Integrations

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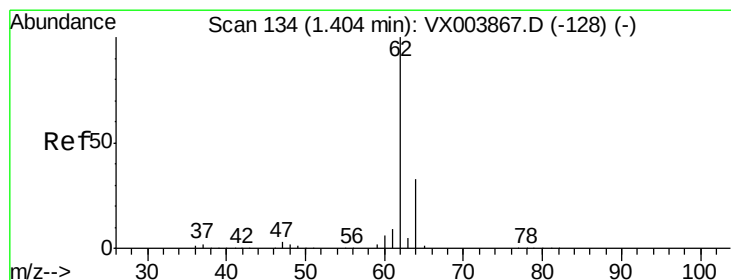
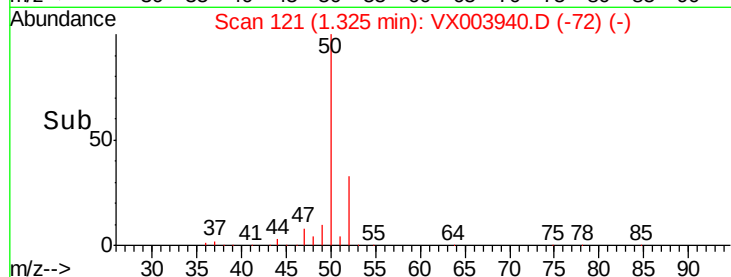
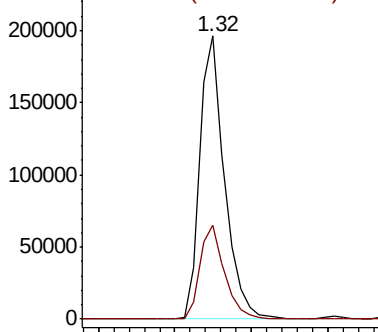
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 47.35 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003940.D

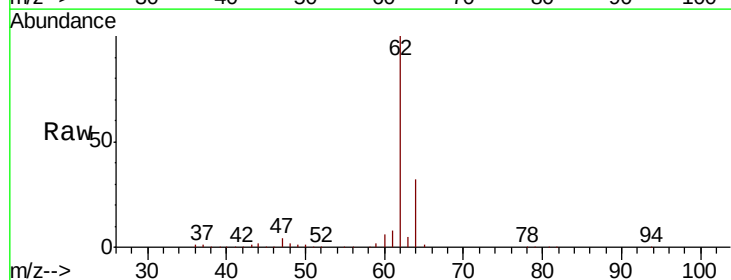
Acq: 09 Aug 2018 10:04

Tgt Ion: 62 Resp: 242094

Ion Ratio Lower Upper

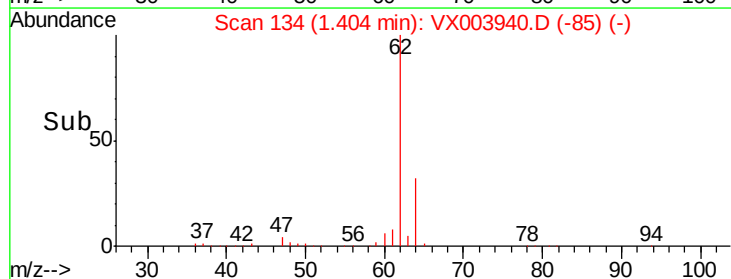
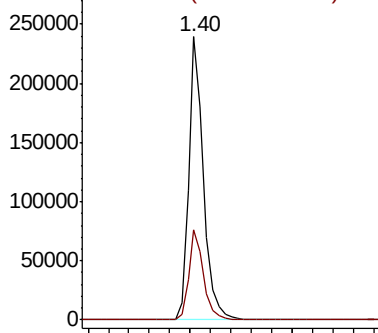
62 100

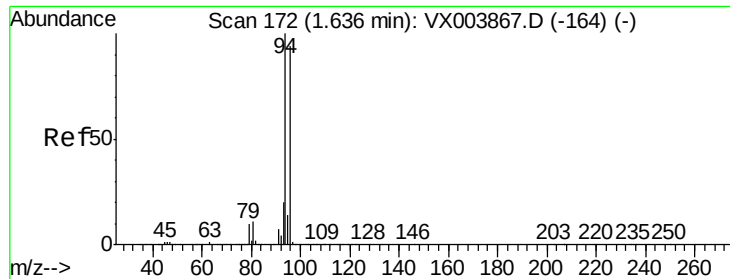
64 32.0 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 42.89 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 116404

Ion Ratio Lower Upper

94 100

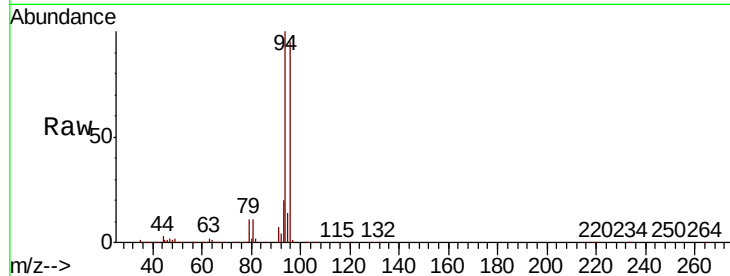
96 94.9 75.2 112.8

Manual Integrations

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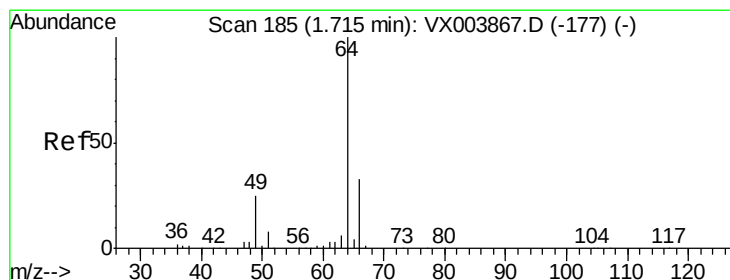
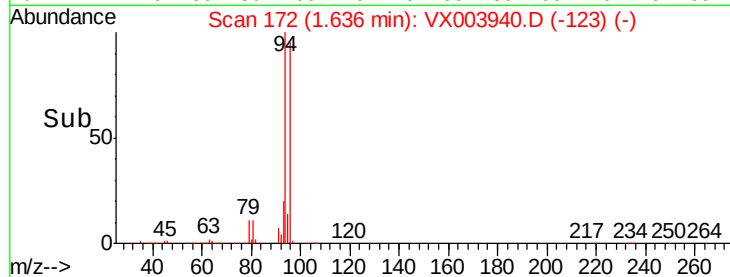
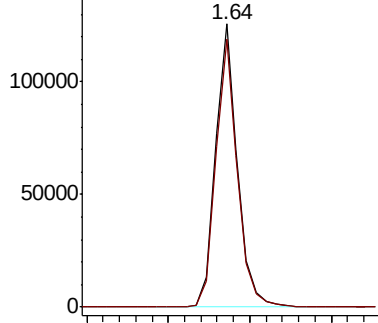
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 54.44 ug/l

RT: 1.71 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003940.D

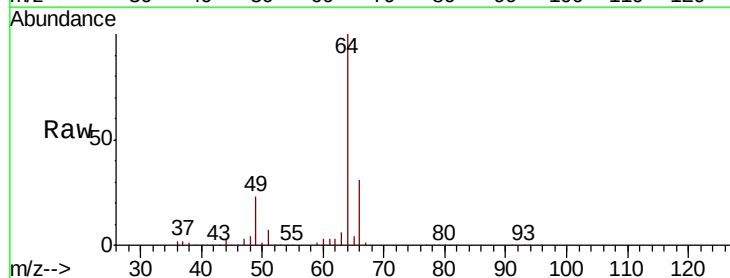
Acq: 09 Aug 2018 10:04

Tgt Ion: 64 Resp: 178089

Ion Ratio Lower Upper

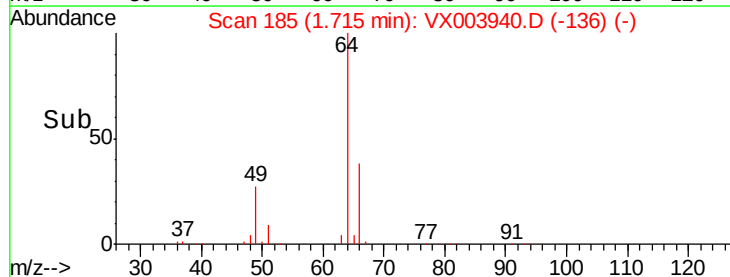
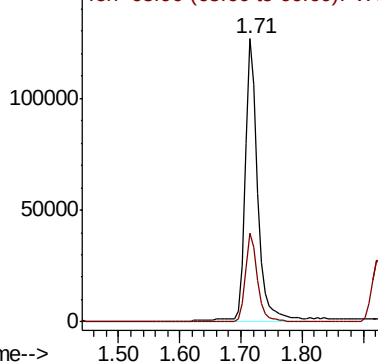
64 100

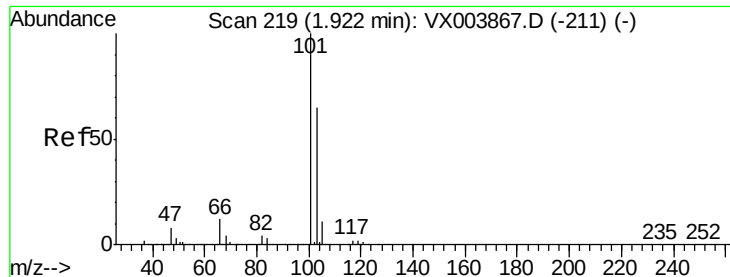
66 31.3 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

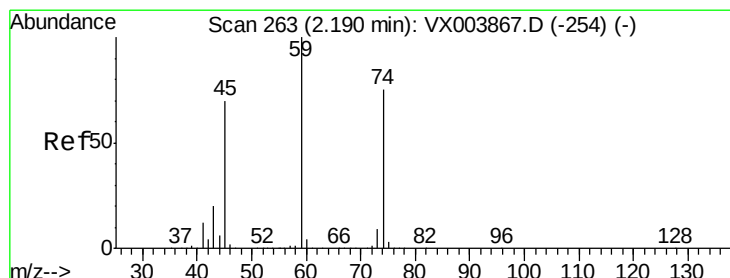
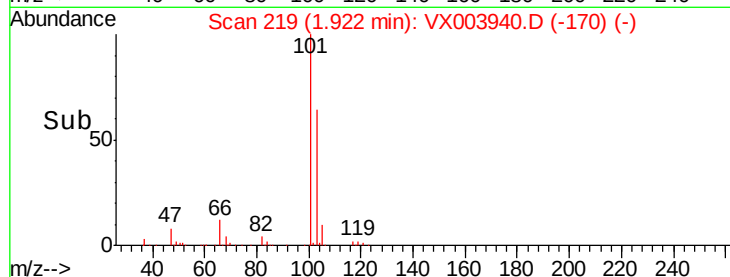
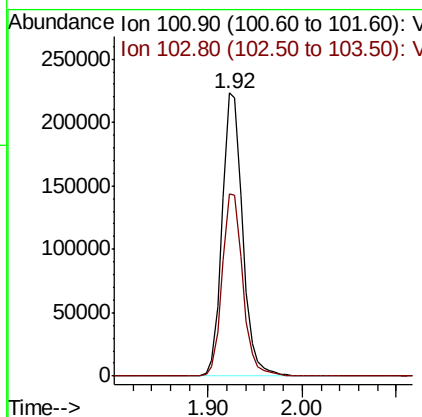
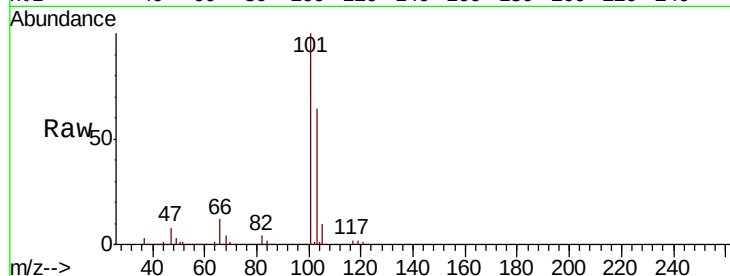
Trichlorofluoromethane
Concen: 49.80 ug/l
RT: 1.92 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.3	78.5

Manual Integrations
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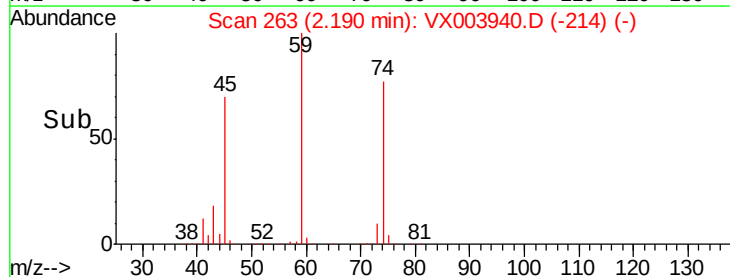
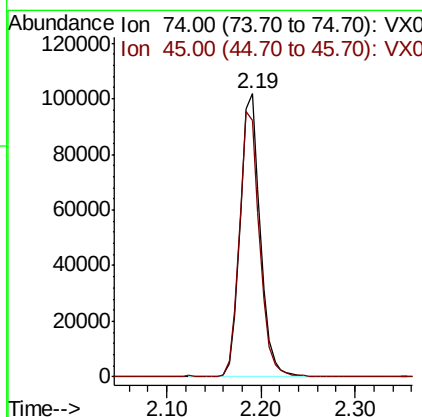
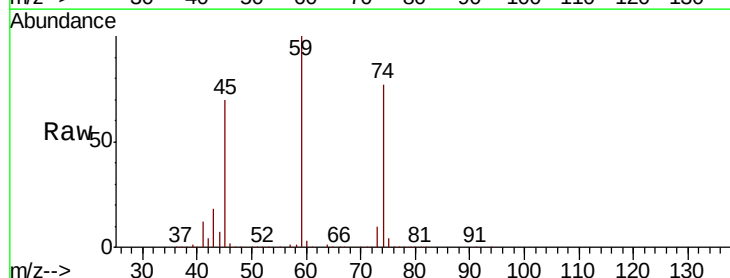
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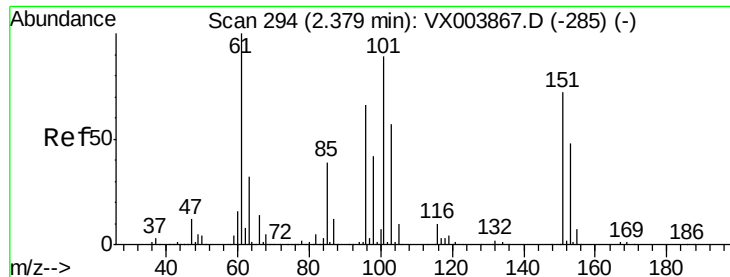


#8

Diethyl Ether
Concen: 49.32 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.3	48.3	144.9





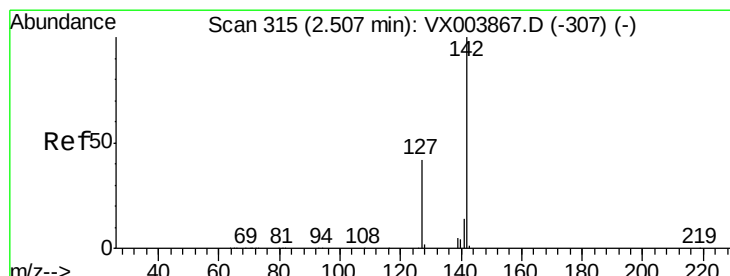
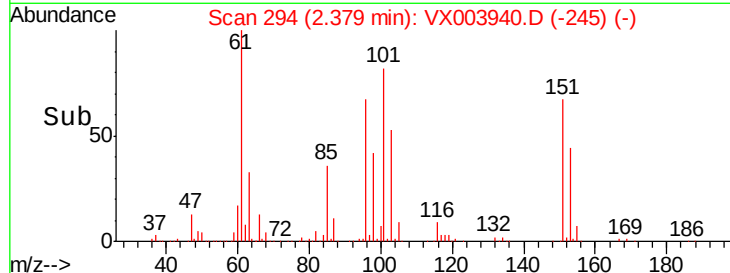
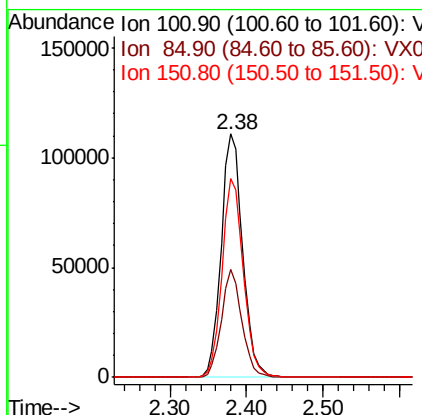
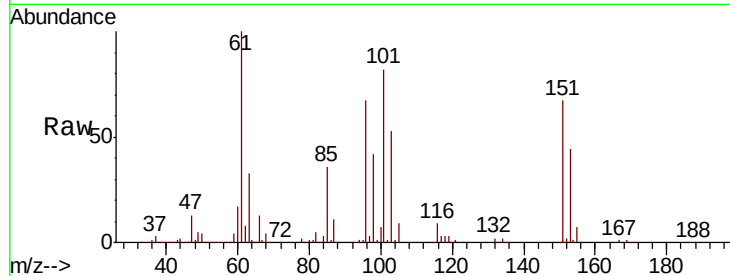
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.86 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.00 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	101	Resp:	214611
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.4
151	81.2	65.0	97.4

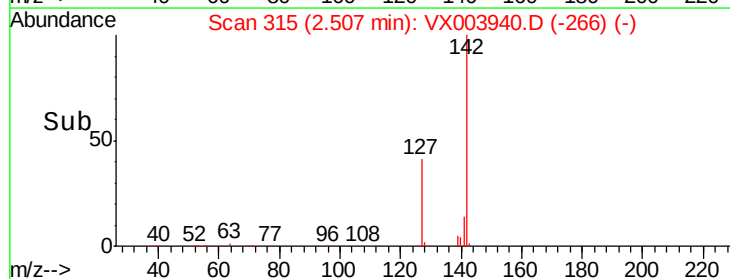
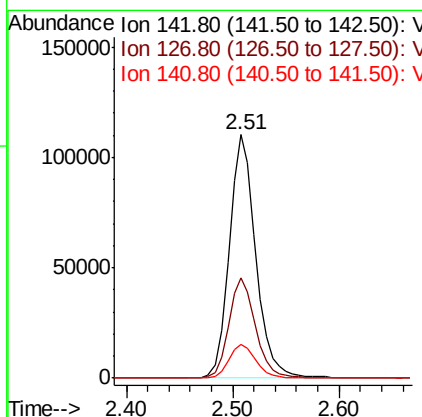
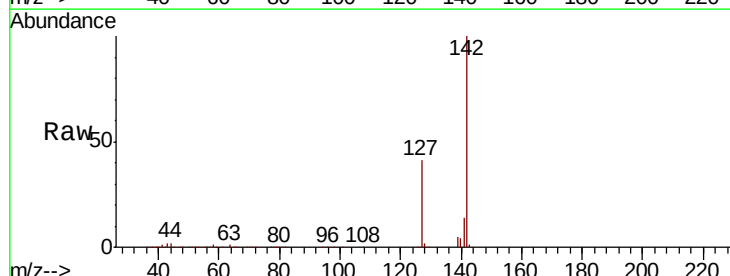
Manual Integrations
 APPROVED

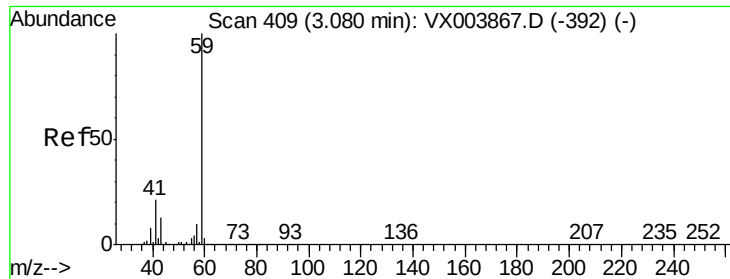
MMDadoda
 8/10/2018 10:55:20 AM



#10
 Methyl Iodide
 Concen: 36.32 ug/l
 RT: 2.51 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

Tgt Ion:	142	Resp:	190675
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.1	49.7
141	14.3	11.1	16.7





#11

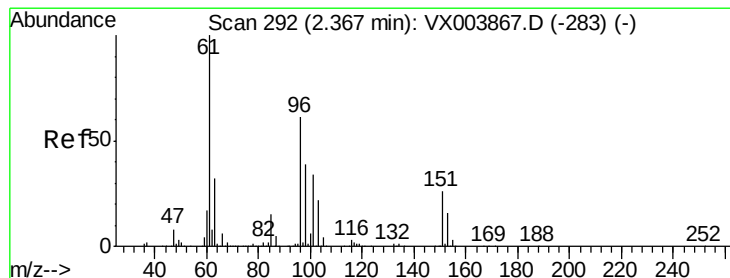
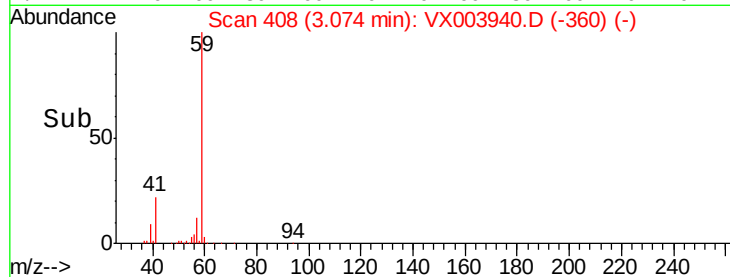
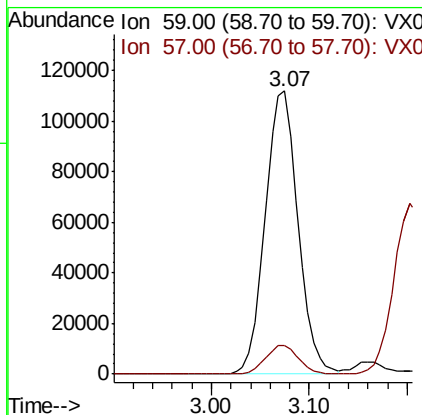
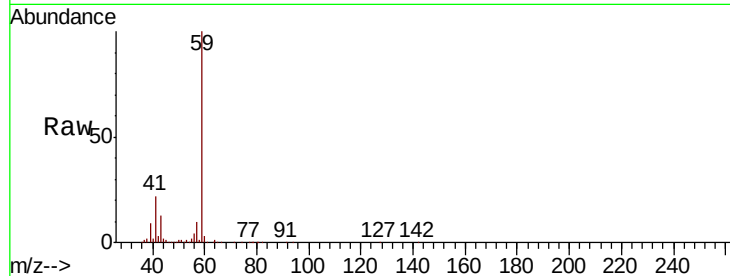
Tert butyl alcohol
 Concen: 220.70 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.1	12.1

Manual Integrations
 APPROVED

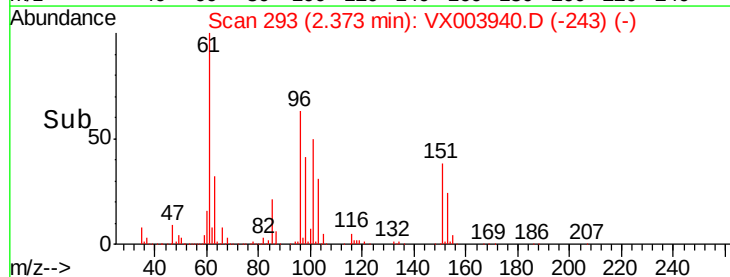
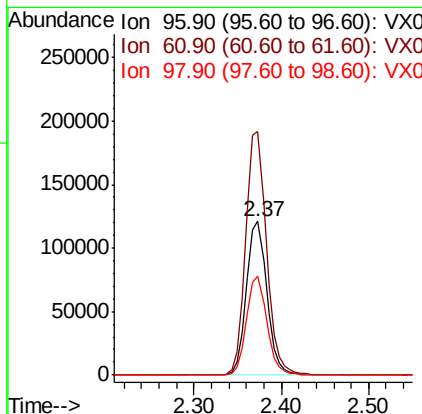
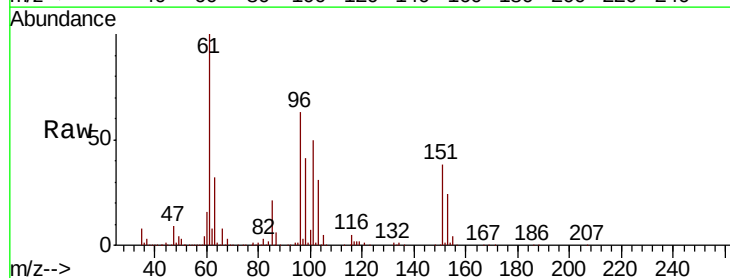
MMDadoda
 8/10/2018 10:55:20 AM

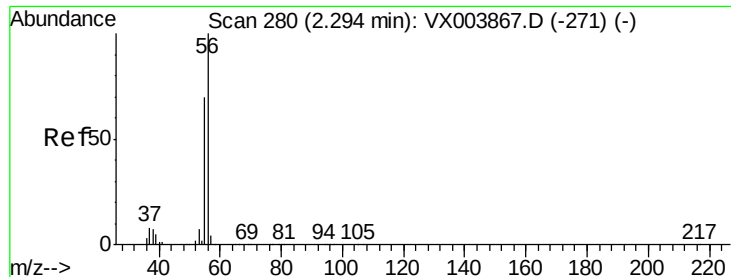


#12

1,1-Dichloroethene
 Concen: 49.45 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.3	131.3	196.9
98	64.5	51.8	77.6





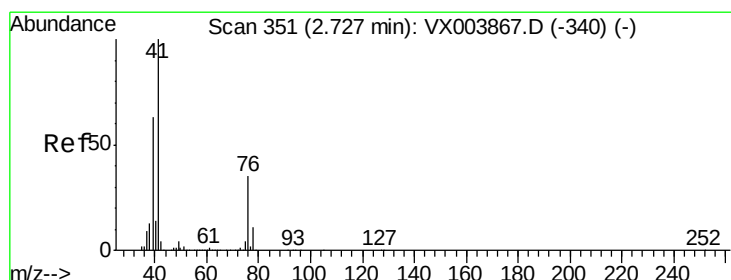
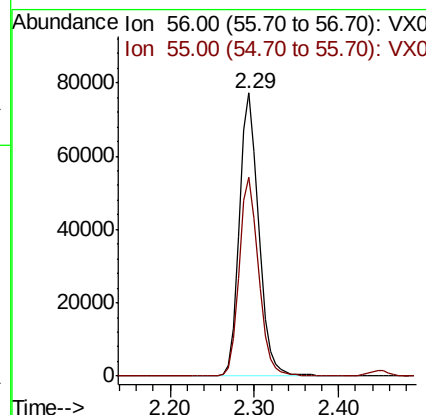
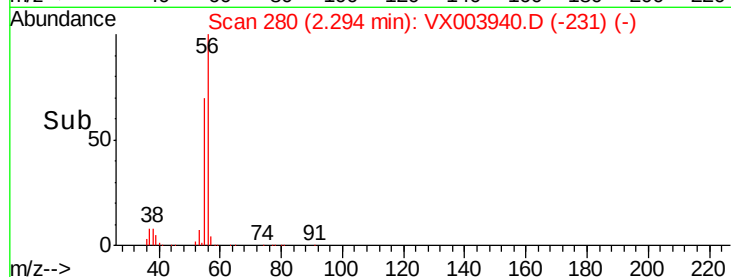
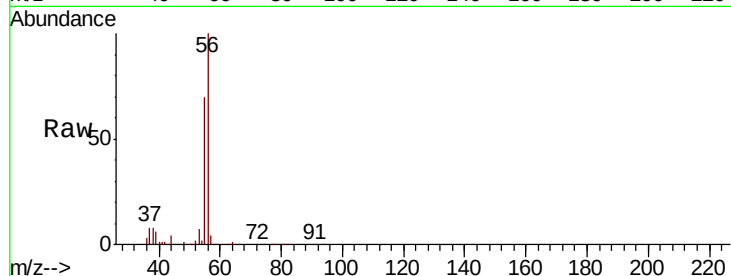
#13
Acrolein
Concen: 195.57 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.0	56.1	84.1

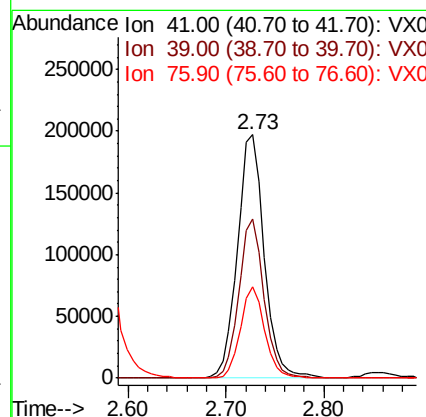
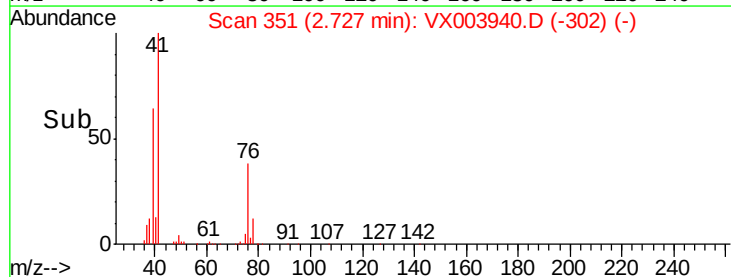
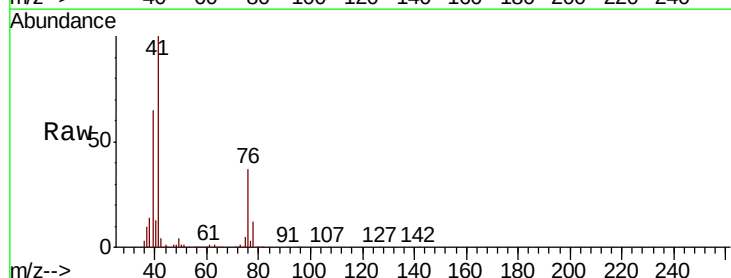
Manual Integrations
APPROVED

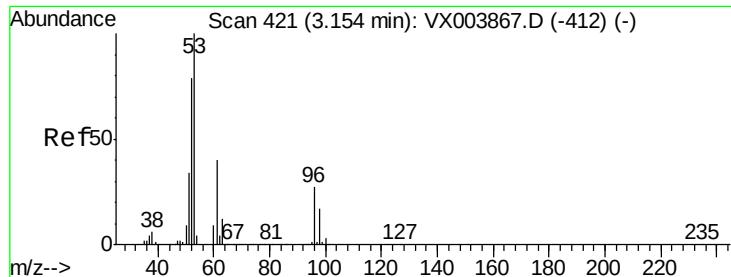
MMDadoda
8/10/2018 10:55:20 AM



#14
Allyl chloride
Concen: 48.77 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.0	47.4	71.0
76	34.2	26.0	39.0





#15

Acrylonitrile

Concen: 227.13 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

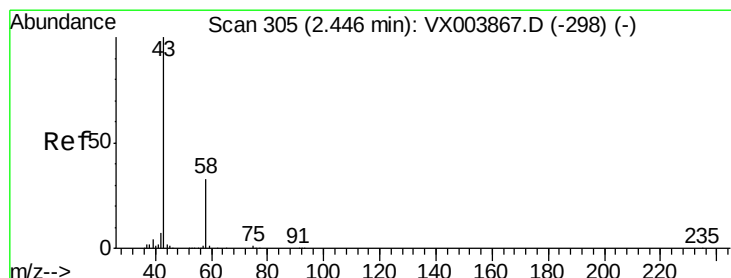
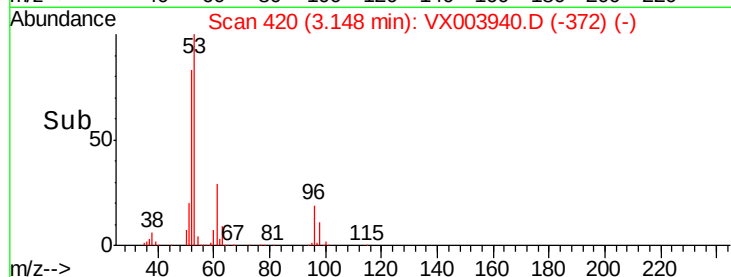
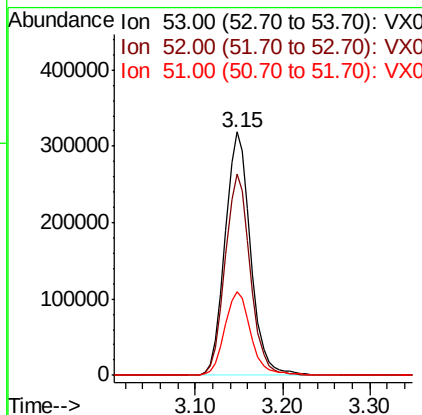
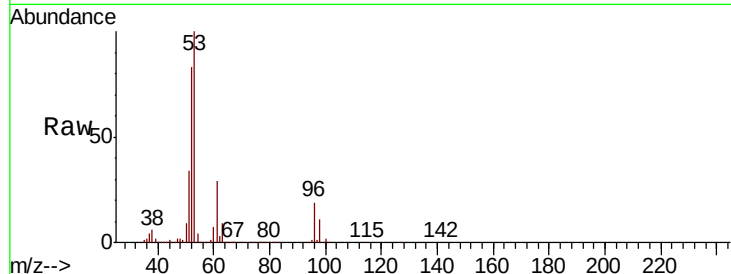
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	641963
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.3	97.9
51	35.2	27.9	41.9

Manual Integrations
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MMDadoda
8/10/2018 10:55:20 AM



#16

Acetone

Concen: 252.62 ug/l

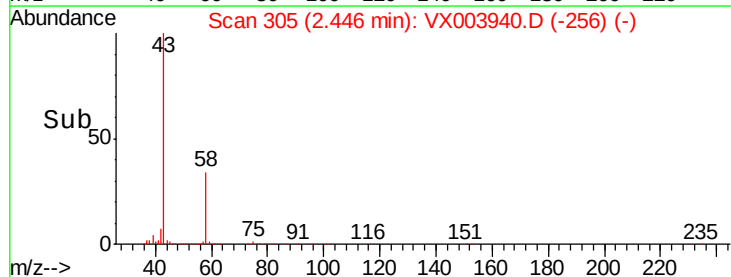
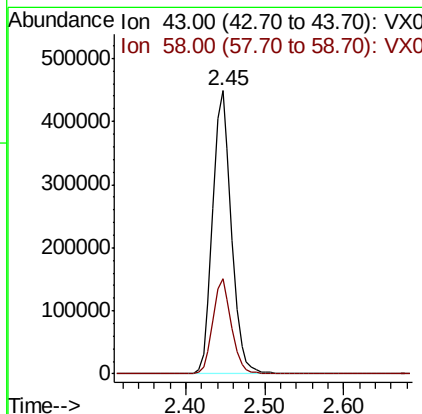
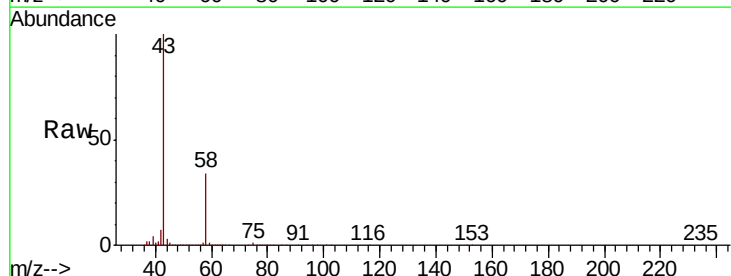
RT: 2.45 min Scan# 305

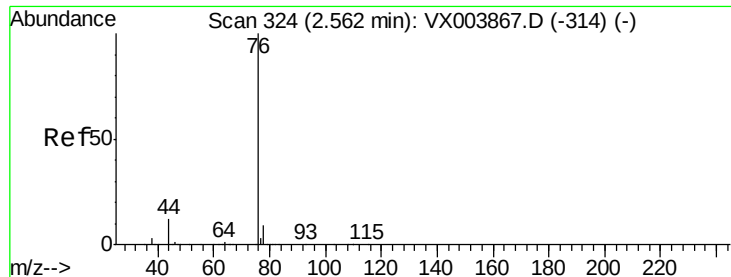
Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Tgt Ion:	43	Resp:	740833
Ion	Ratio	Lower	Upper
43	100		
58	33.7	26.4	39.6





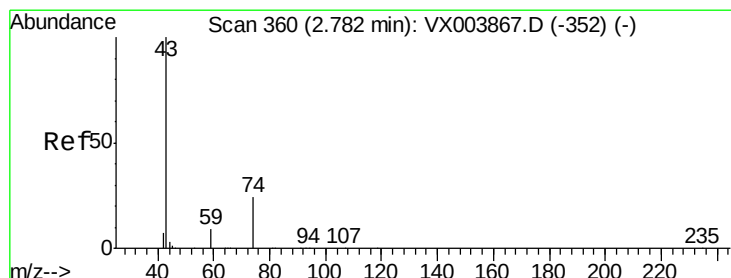
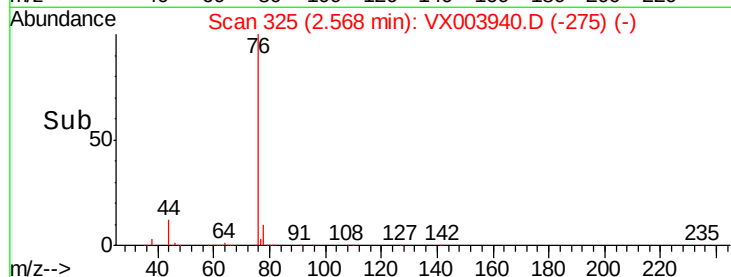
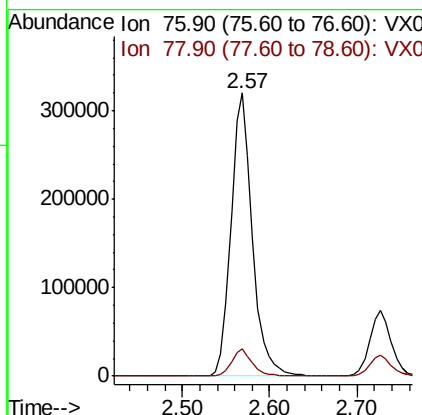
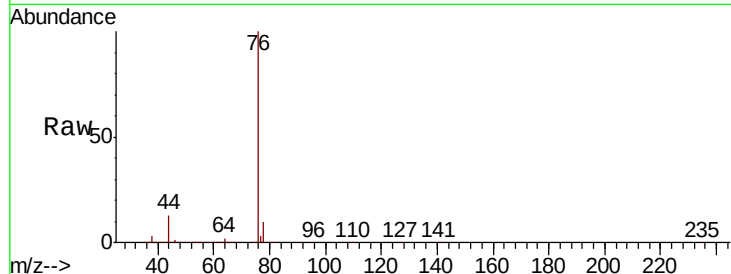
#17
Carbon Disulfide
Concen: 48.12 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.01 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.5	11.3

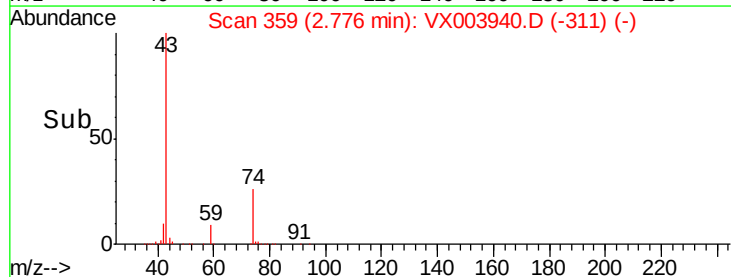
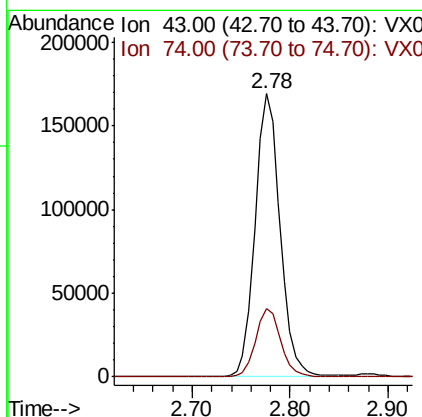
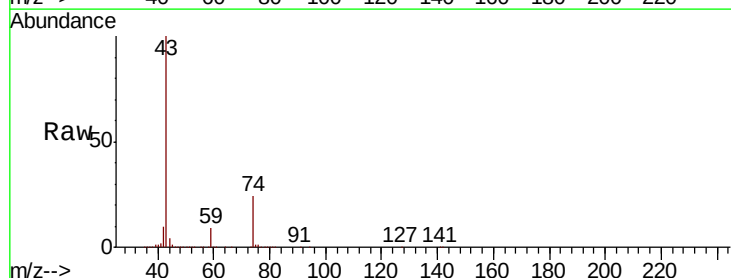
Manual Integrations
APPROVED

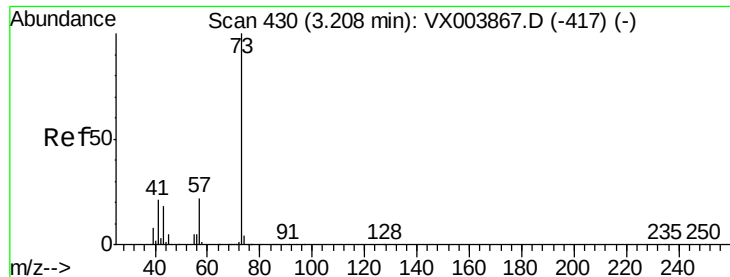
MMDadoda
8/10/2018 10:55:20 AM



#18
Methyl Acetate
Concen: 47.16 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	18.9	28.3





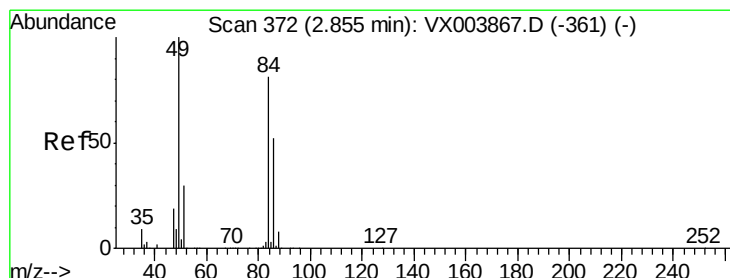
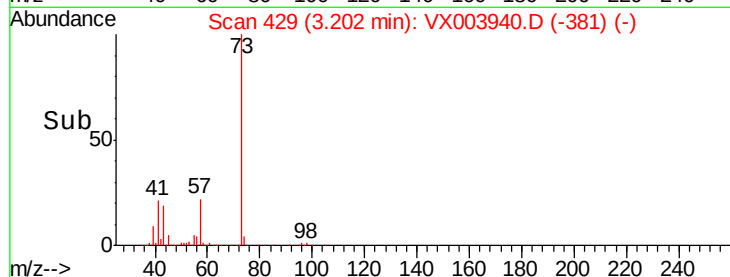
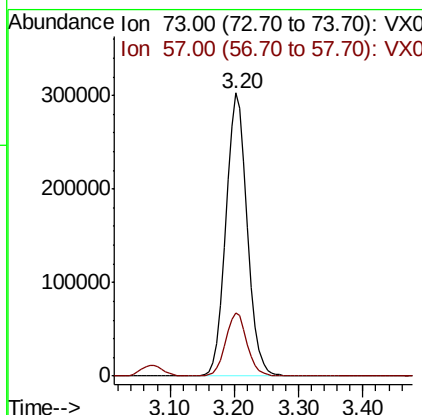
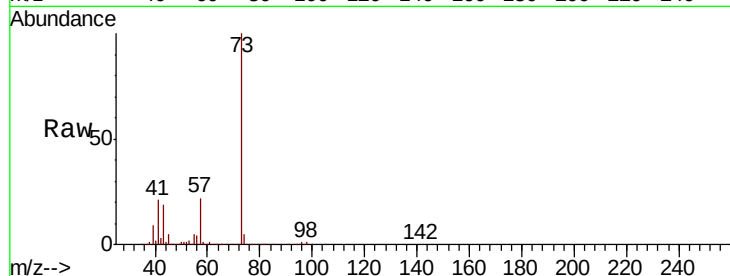
#19
Methyl tert-butyl Ether
Concen: 49.88 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	18.0	27.0

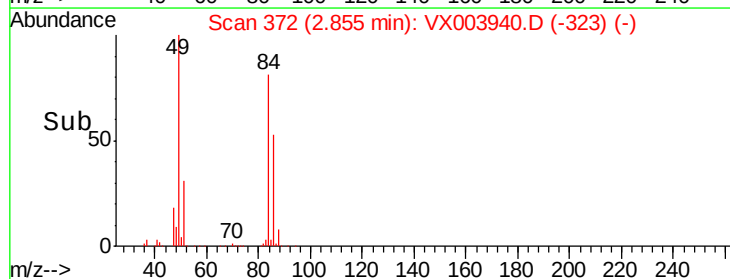
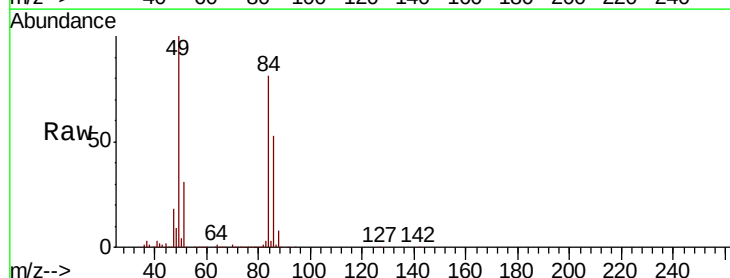
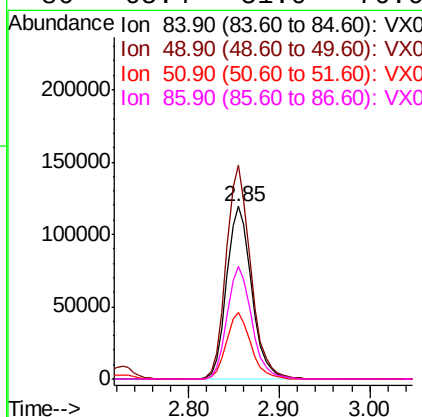
Manual Integrations
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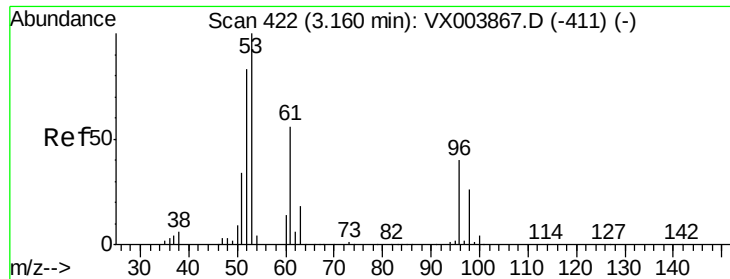
MMDadoda
8/10/2018 10:55:20 AM



#20
Methylene Chloride
Concen: 49.46 ug/l
RT: 2.85 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.9	98.9	148.3
51	38.6	29.9	44.9
86	65.4	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 47.89 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

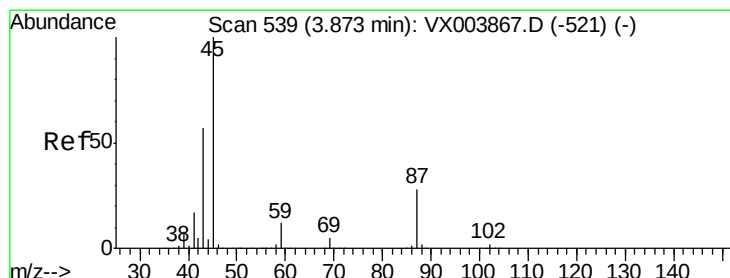
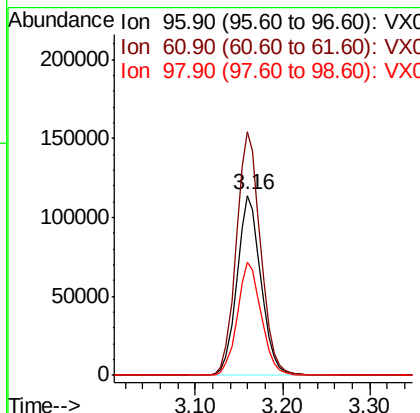
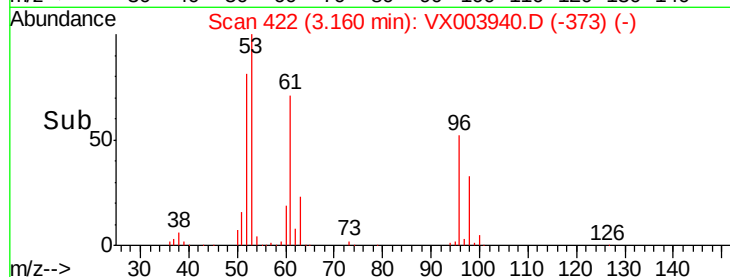
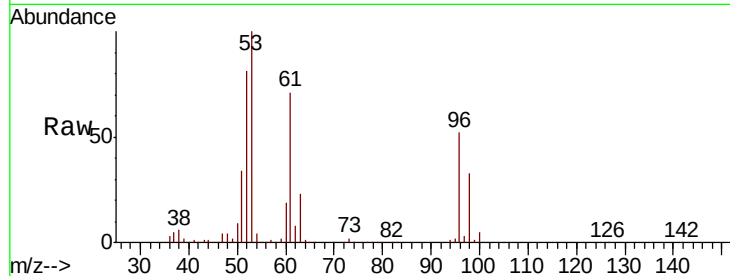
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	217002
Ion	Ratio	Lower	Upper
96	100		
61	135.2	111.8	167.6
98	63.0	51.8	77.6

Manual Integrations
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MMDadoda
8/10/2018 10:55:20 AM



#22

Diisopropyl ether

Concen: 48.60 ug/l

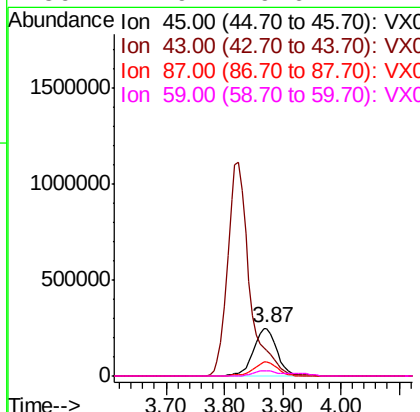
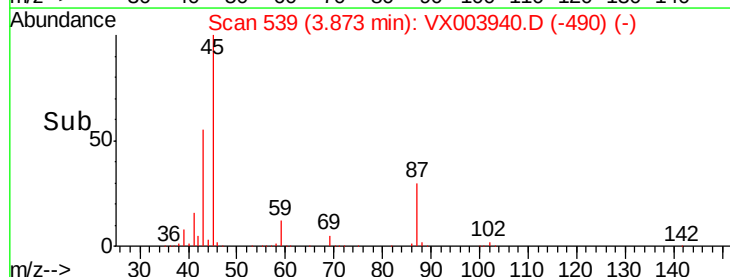
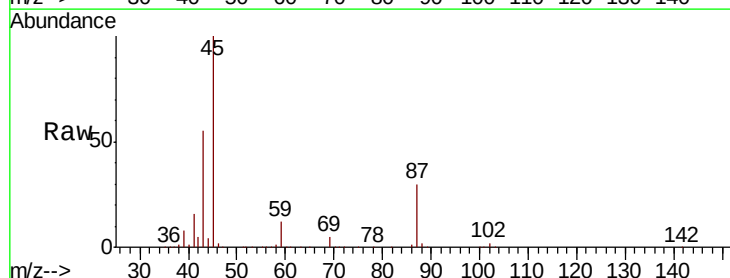
RT: 3.87 min Scan# 539

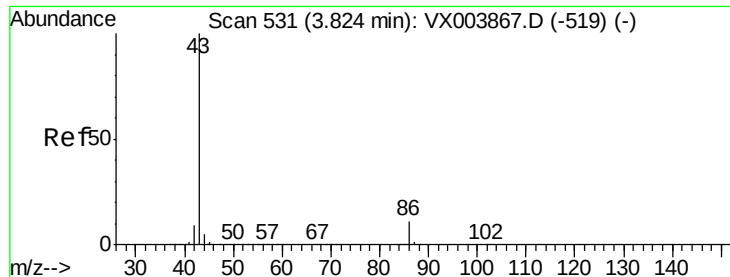
Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Tgt Ion:	45	Resp:	687347
Ion	Ratio	Lower	Upper
45	100		
43	54.7	45.3	67.9
87	29.8	22.7	34.1
59	11.9	9.6	14.4





#23

Vinyl Acetate

Concen: 248.11 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2919640

Ion Ratio Lower Upper

43 100

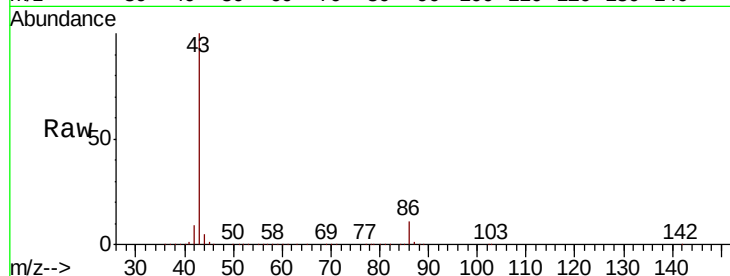
86 11.4 8.9 13.3

Manual Integrations

APPROVED

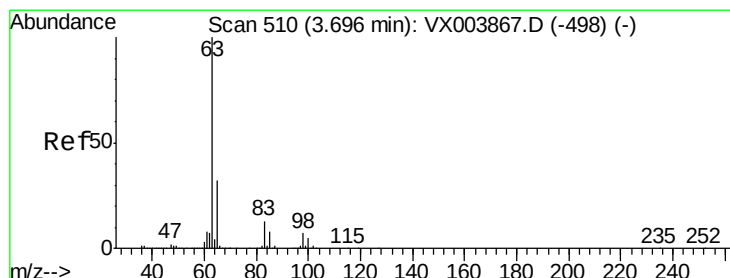
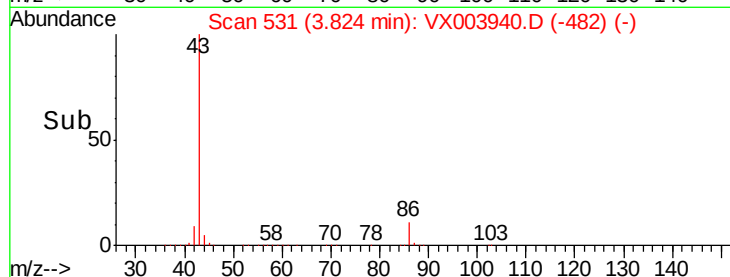
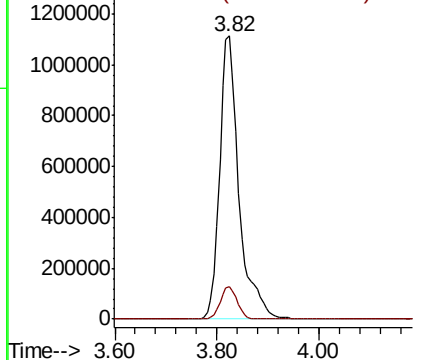
MMDadoda

8/10/2018 10:55:20 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 48.01 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

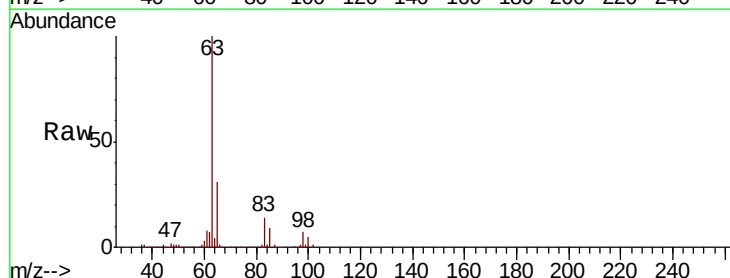
Tgt Ion: 63 Resp: 403359

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

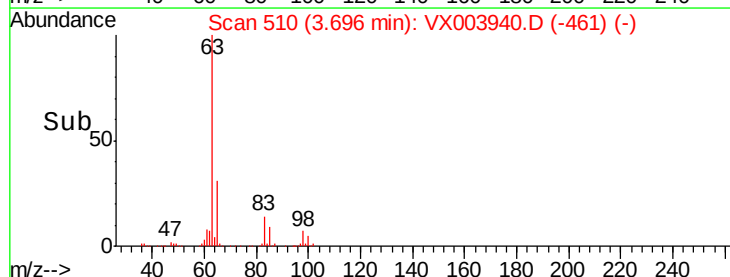
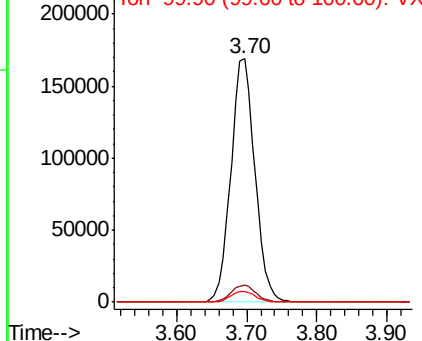
100 4.6 2.3 6.8

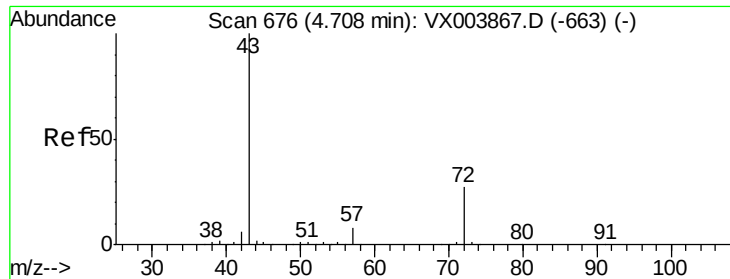


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 244.54 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Tot Ion: 43 Resp: 1078204

Ion Ratio Lower Upper

43 100

72 27.6 21.4 32.0

Instrument :

MSVOA_X

ClientSampleId :

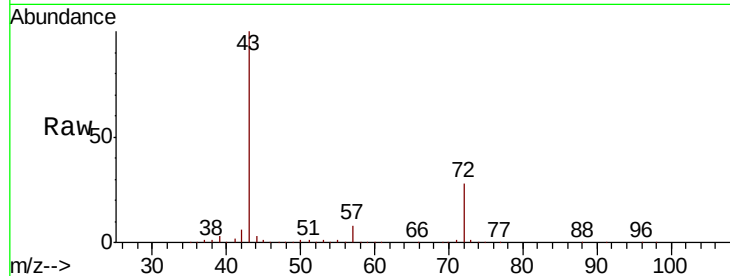
VSTDCCC050

Manual Integrations

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MMDadoda

8/10/2018 10:55:20 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

400000

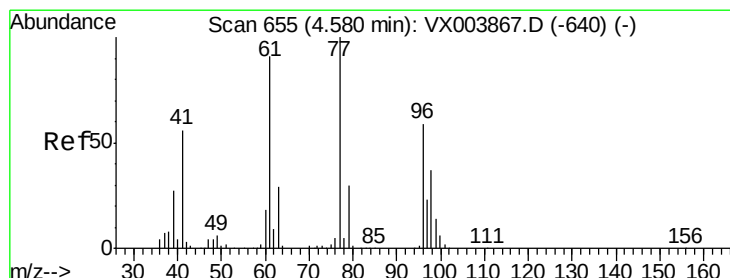
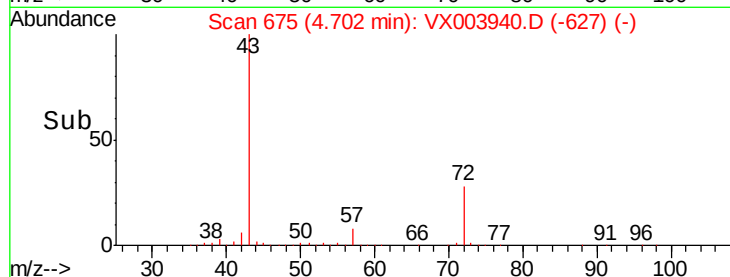
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 55.38 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX003940.D

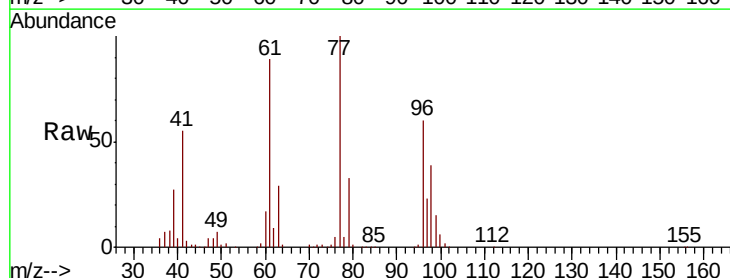
Acq: 09 Aug 2018 10:04

Tgt Ion: 77 Resp: 335547

Ion Ratio Lower Upper

77 100

97 23.5 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

120000

100000

80000

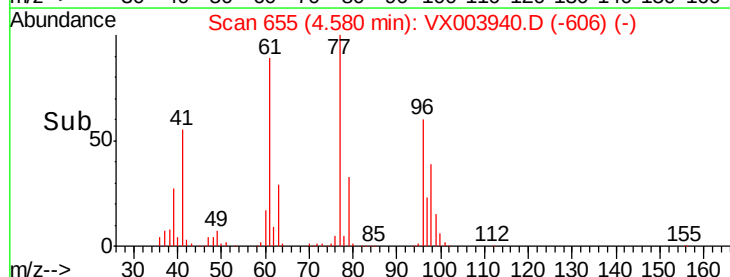
60000

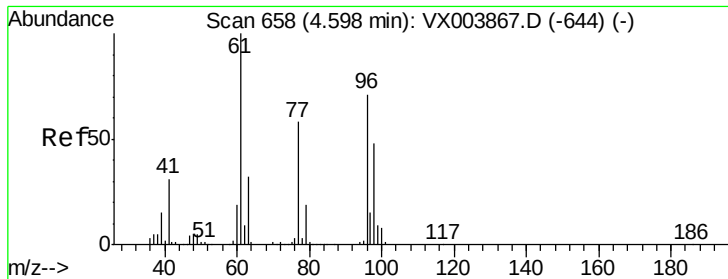
40000

20000

0

Time-->





#27

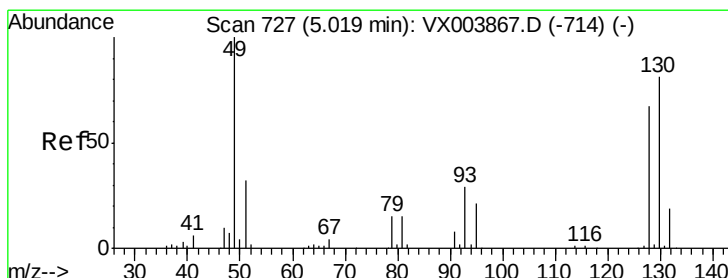
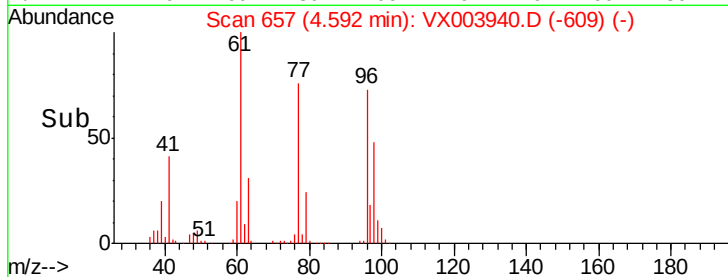
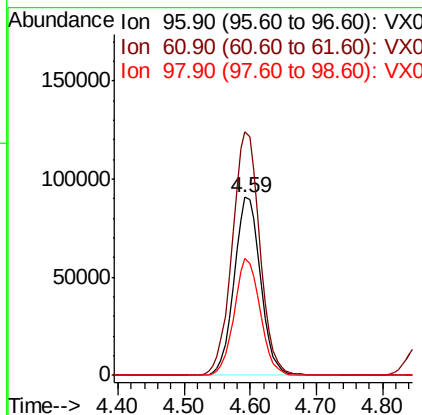
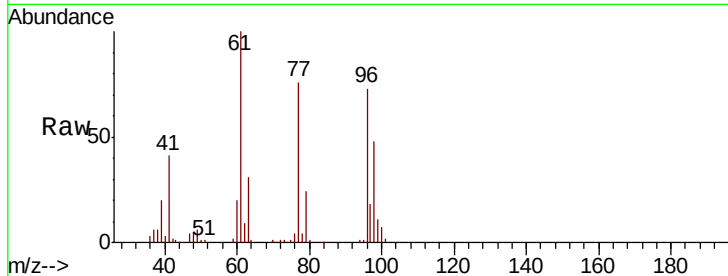
cis-1,2-Dichloroethene
Concen: 50.94 ug/l
RT: 4.59 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	250457		
61	142.7	0.0	293.0	
98	64.9	0.0	131.8	

Manual Integrations
APPROVED

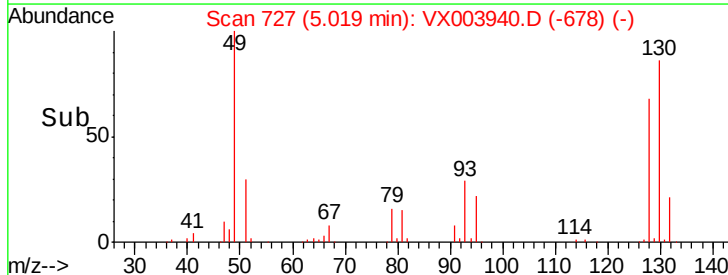
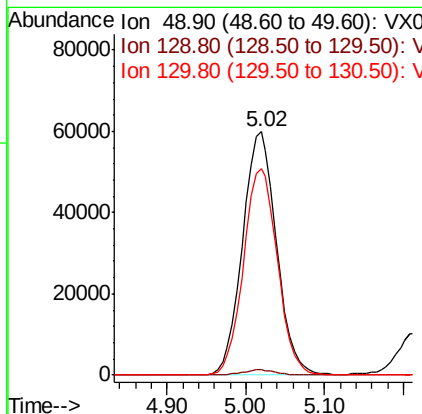
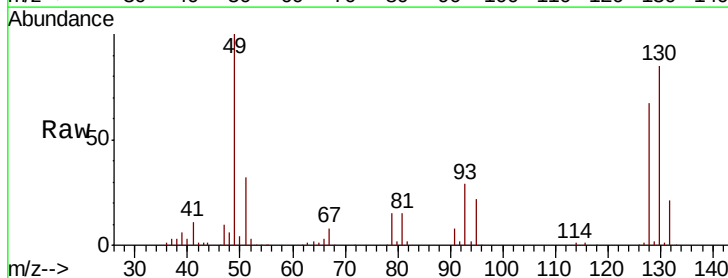
MMDadoda
8/10/2018 10:55:20 AM

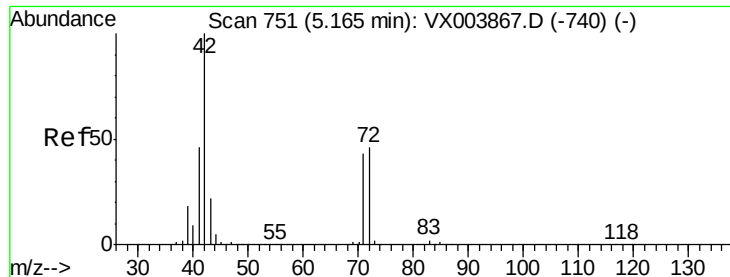


#28

Bromochloromethane
Concen: 49.99 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	179731		
129	2.1	0.0	4.2	
130	84.8	66.5	99.7	





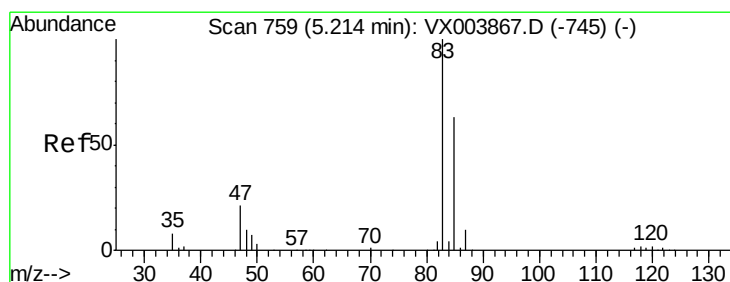
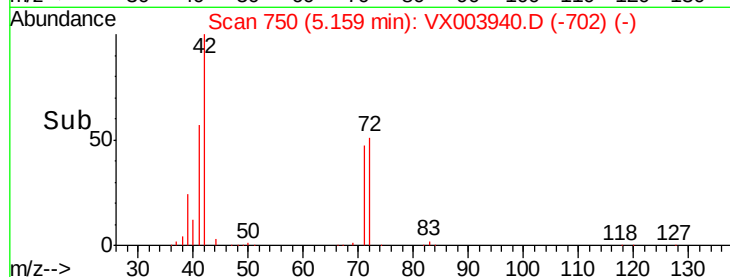
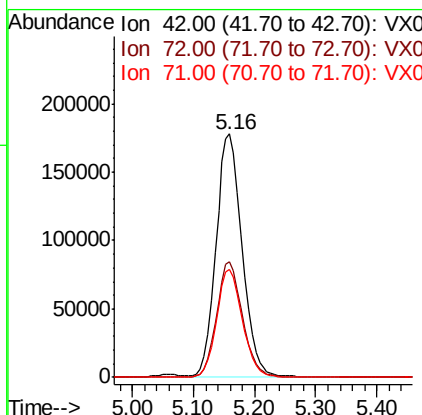
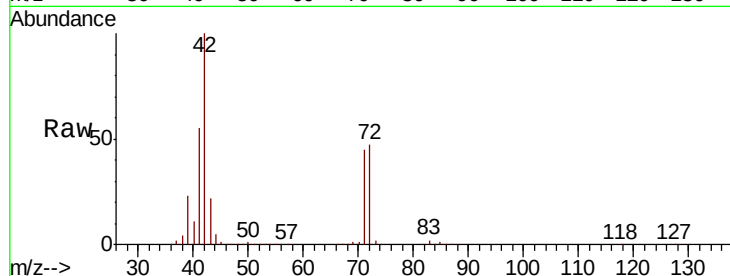
#29
Tetrahydrofuran
Concen: 232.38 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.3	37.7	56.5
71	43.9	35.0	52.6

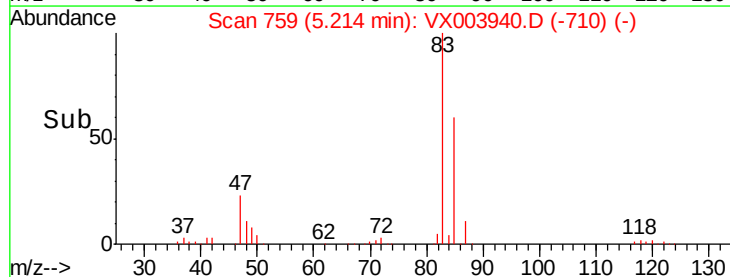
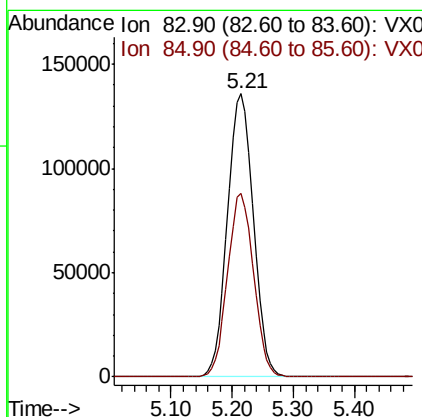
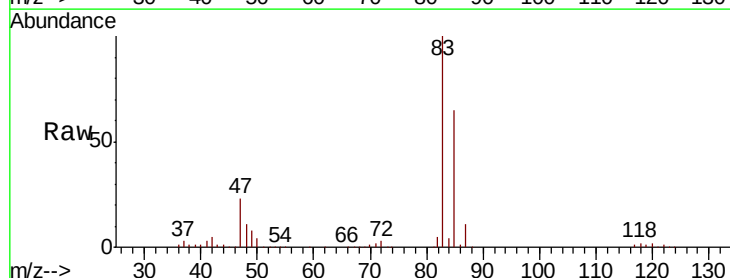
Manual Integrations
APPROVED

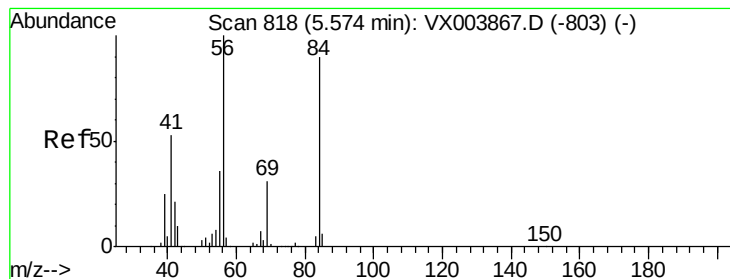
MMDadoda
8/10/2018 10:55:20 AM



#30
Chloroform
Concen: 50.34 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.7	76.1





#31

Cyclohexane

Concen: 50.80 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 360933

Ion Ratio Lower Upper

56 100

69 30.3 24.9 37.3

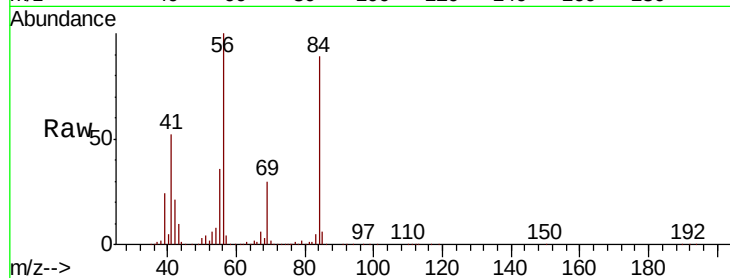
84 87.8 71.7 107.5

Manual Integrations

APPROVED

MMDadoda

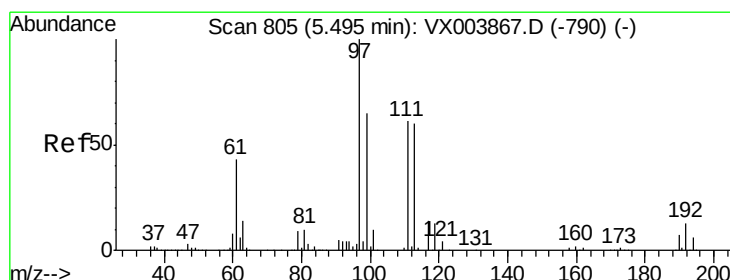
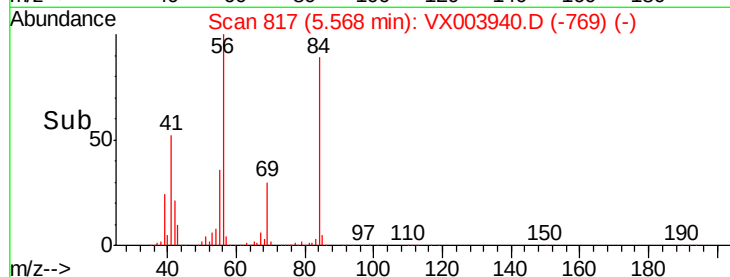
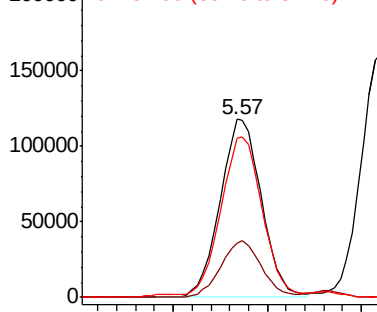
8/10/2018 10:55:20 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 52.11 ug/l

RT: 5.49 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

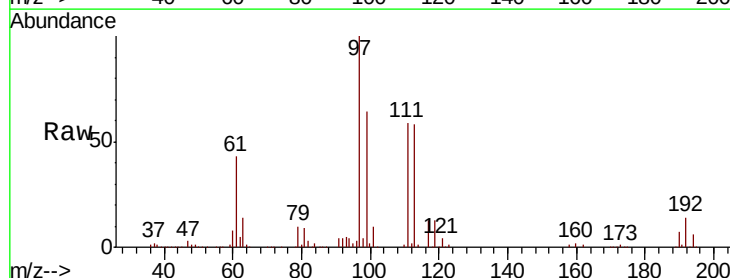
Tgt Ion: 97 Resp: 345629

Ion Ratio Lower Upper

97 100

99 64.2 51.8 77.8

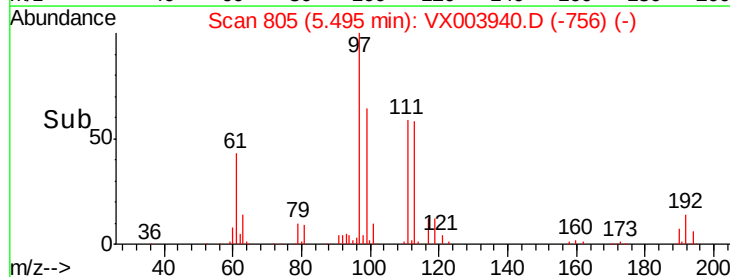
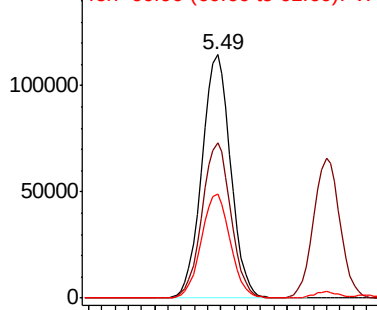
61 43.2 34.4 51.6

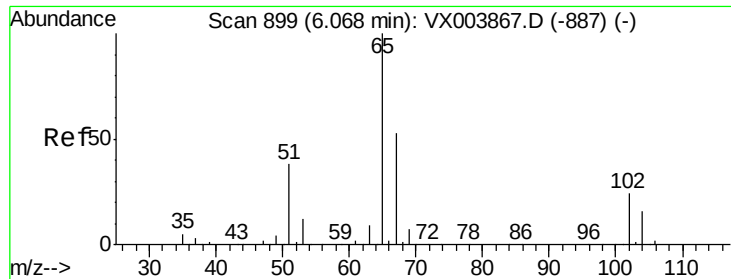


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





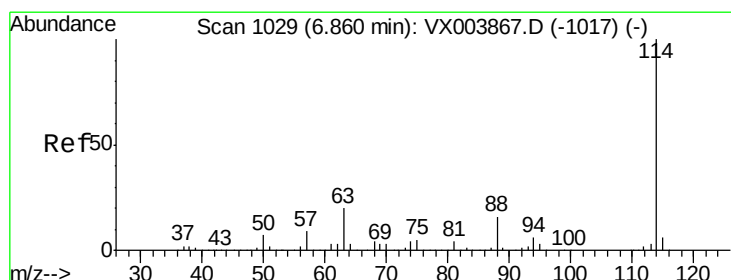
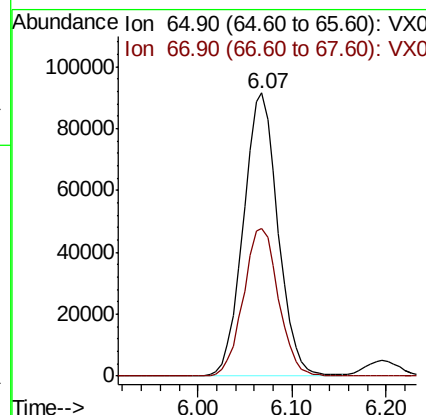
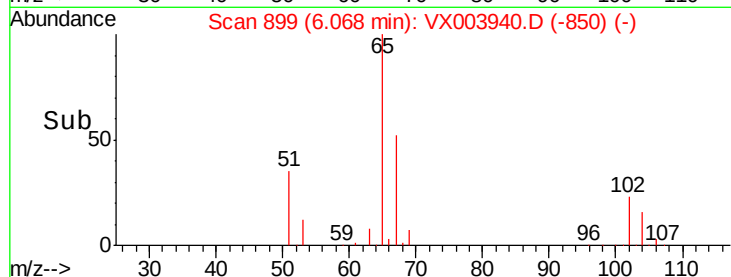
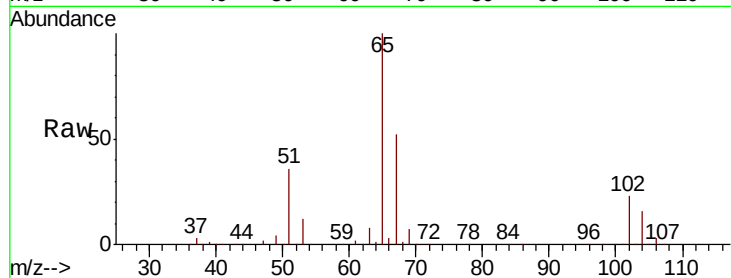
#33
 1,2-Dichloroethane-d4
 Concen: 47.67 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	105.8

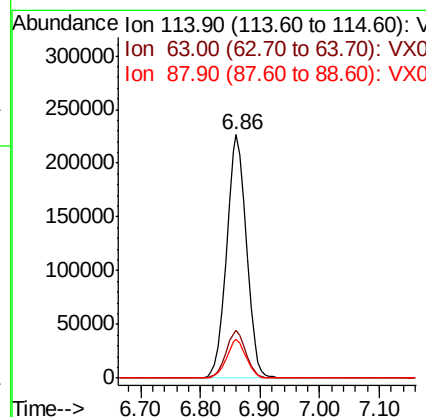
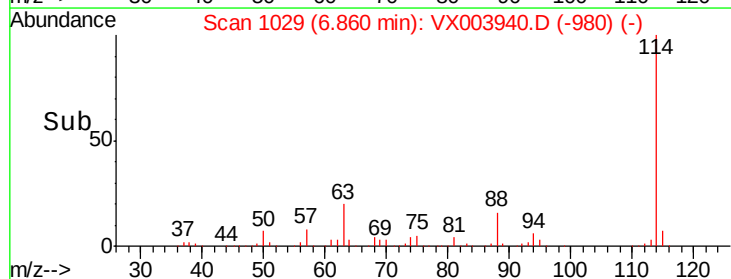
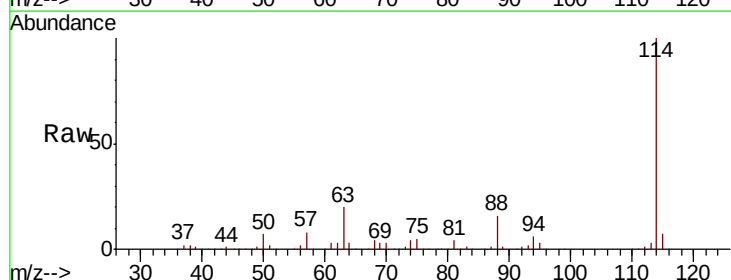
Manual Integrations
 APPROVED

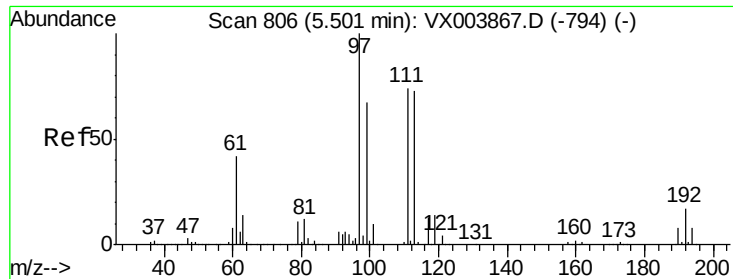
MMDadoda
 8/10/2018 10:55:20 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.0
88	15.7	0.0	32.0





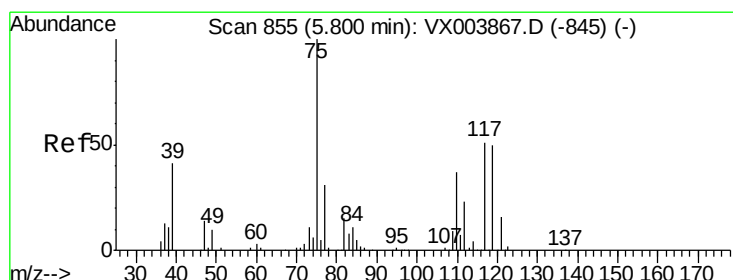
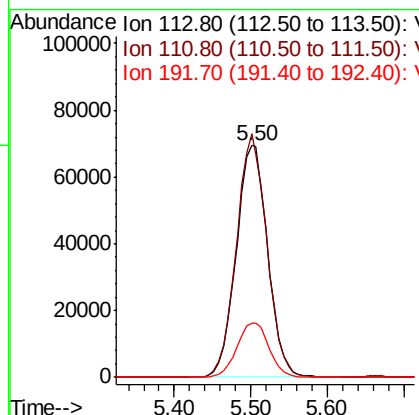
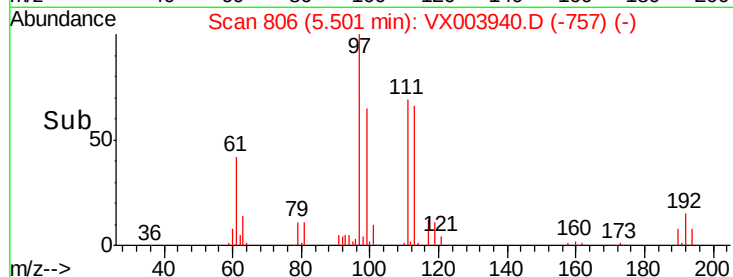
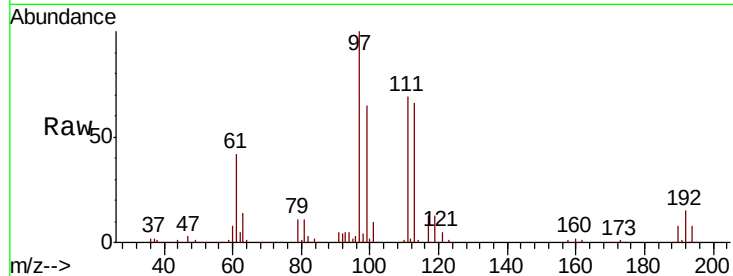
#35
 Dibromofluoromethane
 Concen: 49.74 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	197668		
111	101.6	82.0	123.0	
192	24.0	19.0	28.4	

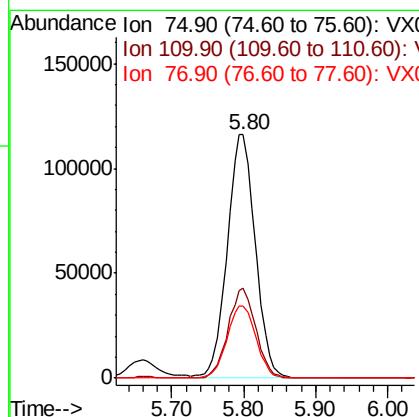
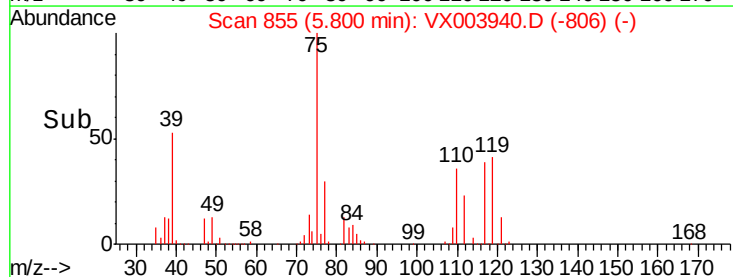
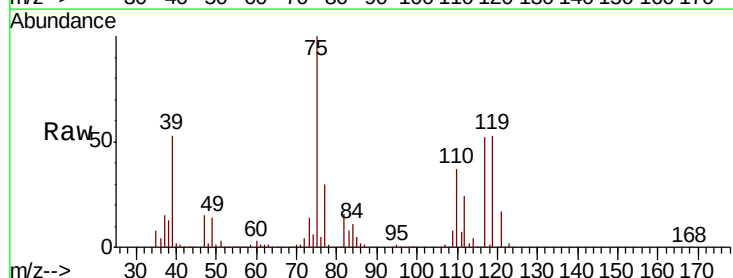
Manual Integrations
 APPROVED

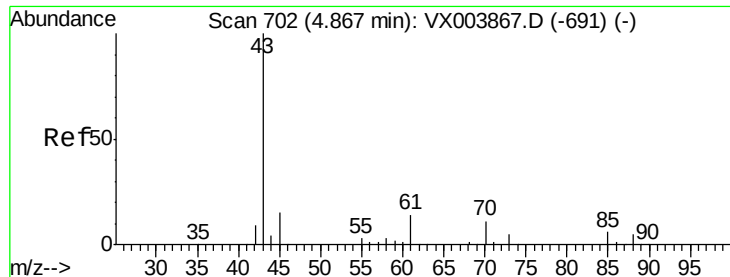
MMDadoda
 8/10/2018 10:55:20 AM



#36
 1,1-Dichloropropene
 Concen: 53.43 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	313893		
110	36.4	18.2	54.6	
77	30.5	25.0	37.4	





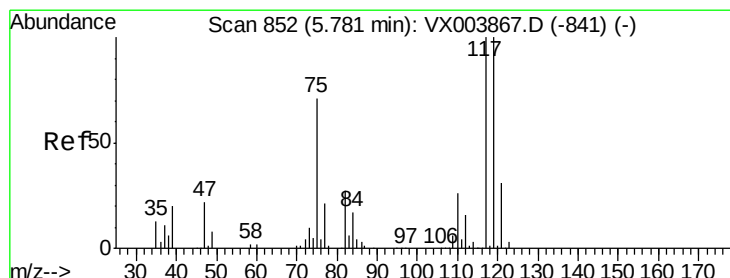
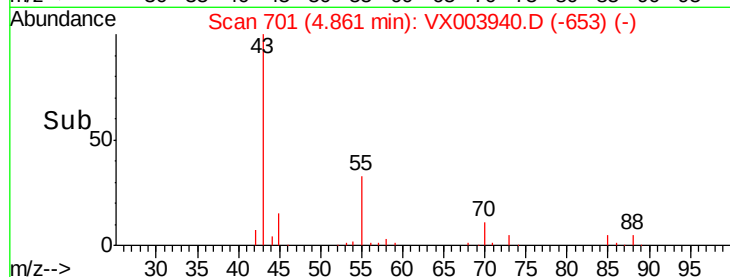
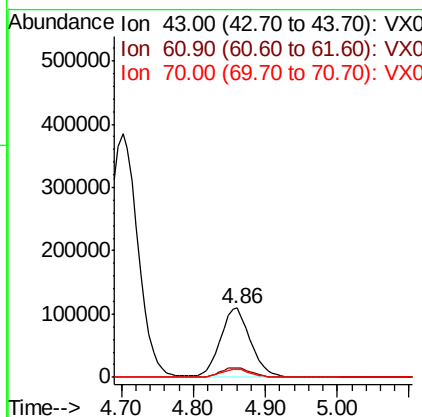
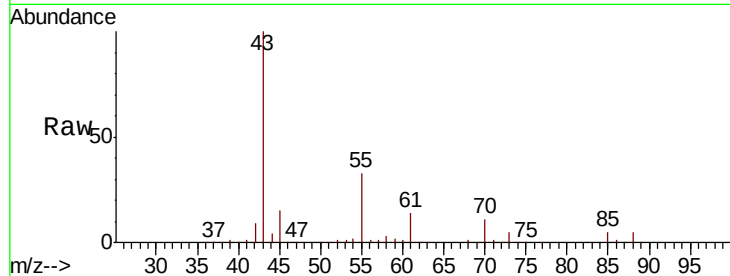
#37
Ethyl Acetate
Concen: 49.24 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	318189
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.5	17.3
70	11.6	9.0	13.4

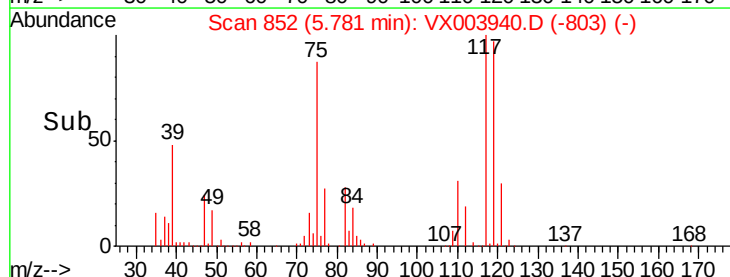
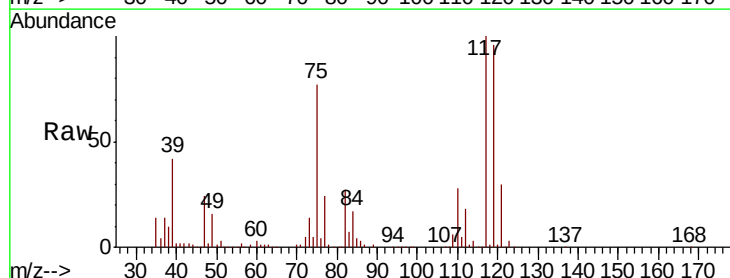
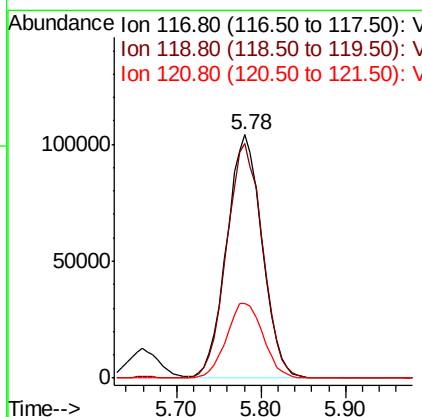
Manual Integrations
APPROVED

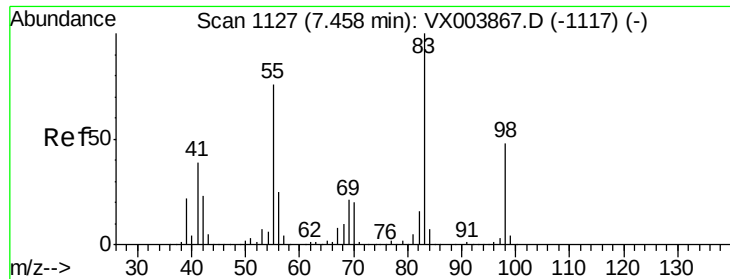
MMDadoda
8/10/2018 10:55:20 AM



#38
Carbon Tetrachloride
Concen: 53.11 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion:	117	Resp:	296953
Ion	Ratio	Lower	Upper
117	100		
119	96.3	79.5	119.3
121	30.4	25.0	37.4





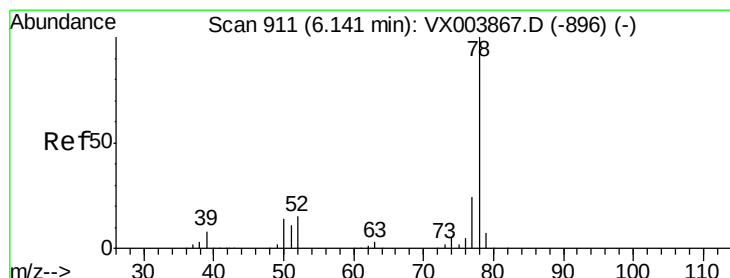
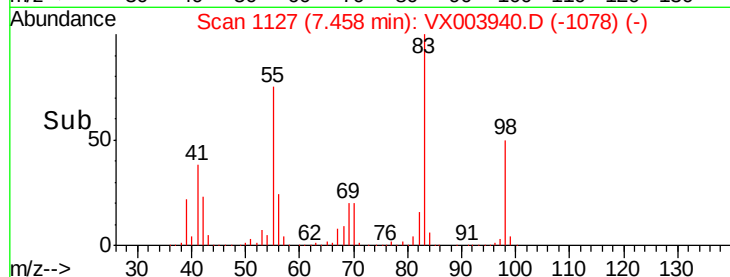
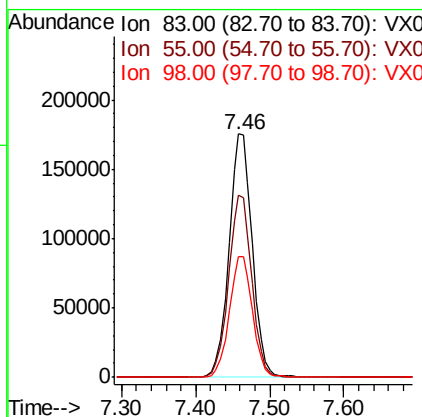
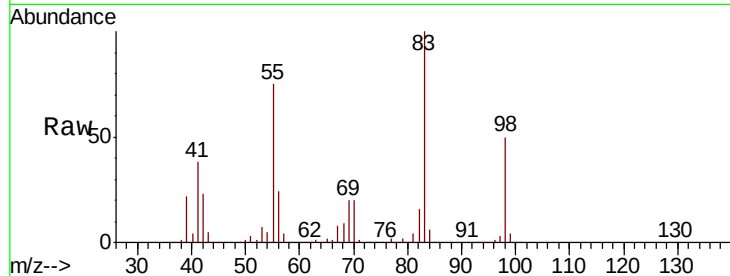
#39
Methylvlcyclohexane
Concen: 55.11 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	381703		
55	75.0	61.0	91.6	
98	49.6	38.6	57.8	

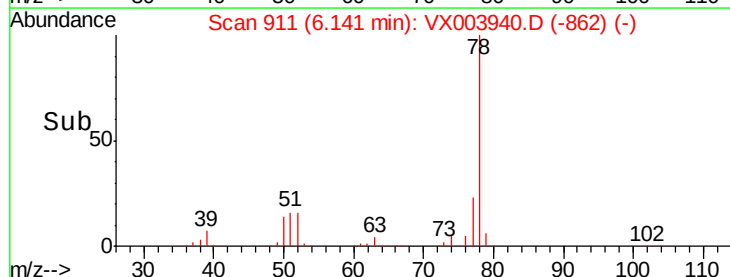
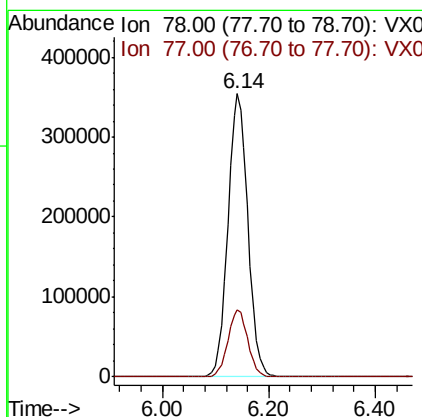
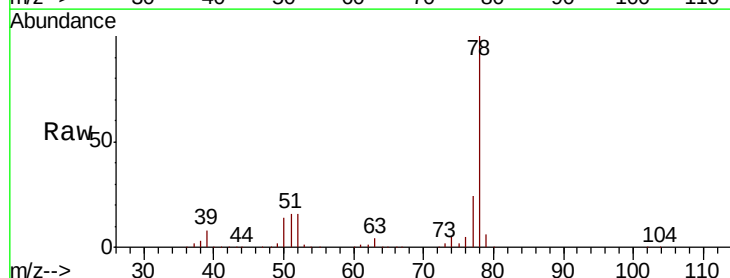
Manual Integrations
APPROVED

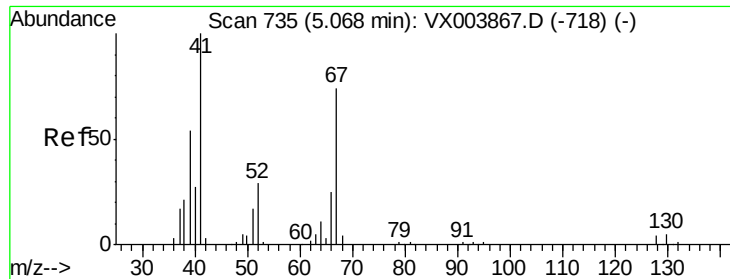
MMDadoda
8/10/2018 10:55:20 AM



#40
Benzene
Concen: 52.50 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	926088		
77	23.5	19.0	28.4	





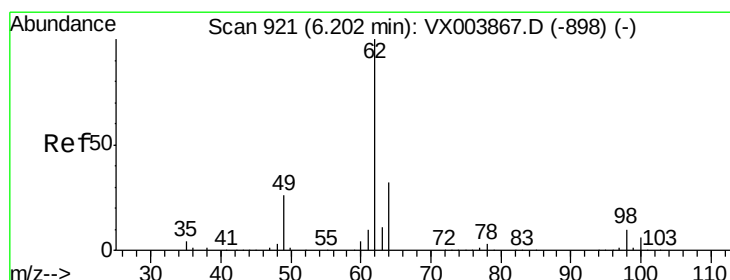
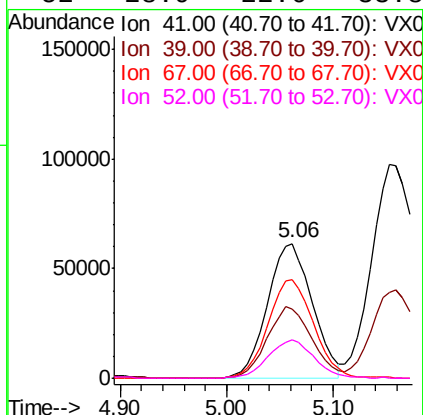
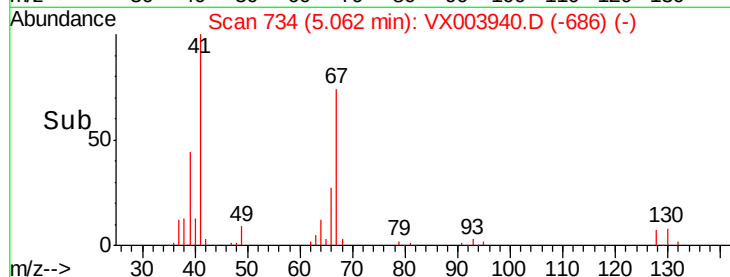
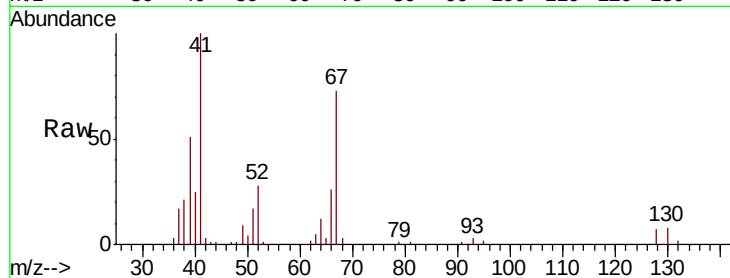
#41
Methacrylonitrile
Concen: 50.16 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	42.7	64.1	
67	75.2	58.9	88.3	
52	28.9	22.6	33.8	

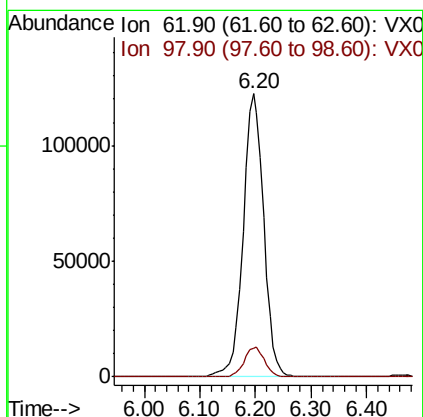
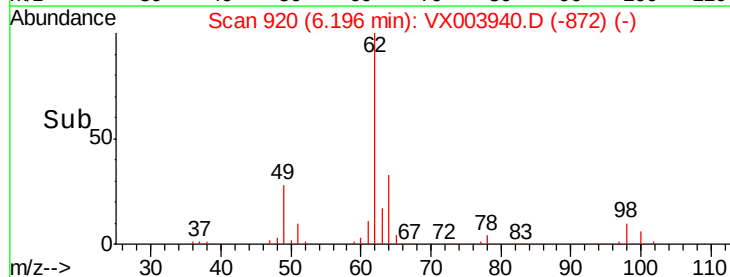
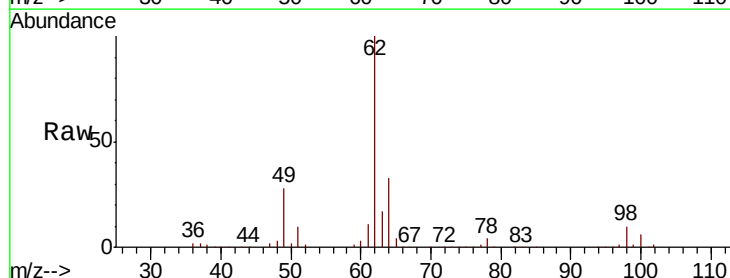
Manual Integrations
APPROVED

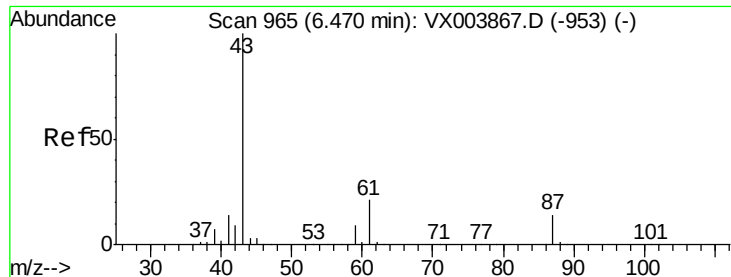
MMDadoda
8/10/2018 10:55:20 AM



#42
1,2-Dichloroethane
Concen: 52.61 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	20.4	





#43

Isopropyl Acetate

Concen: 52.34 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

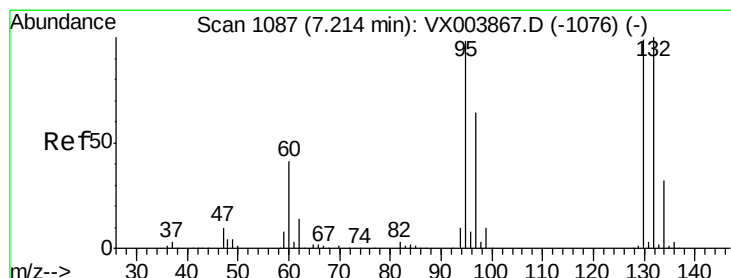
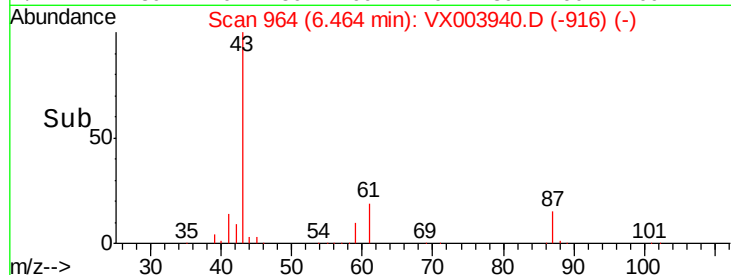
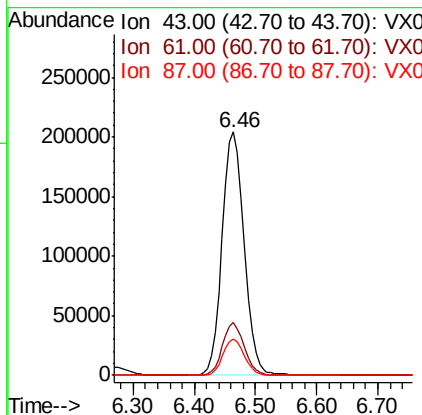
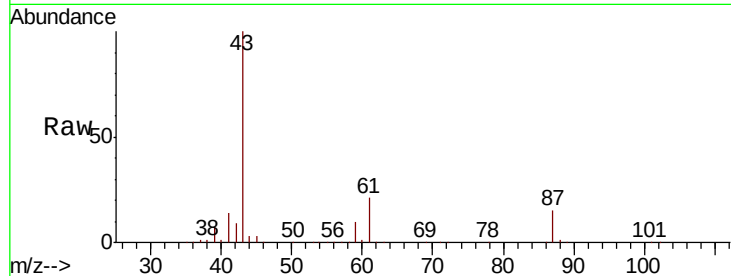
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	509015
Ion	Ratio	Lower	Upper
43	100		
61	21.3	16.9	25.3
87	14.6	11.3	16.9

Manual Integrations
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#44

Trichloroethene

Concen: 52.35 ug/l

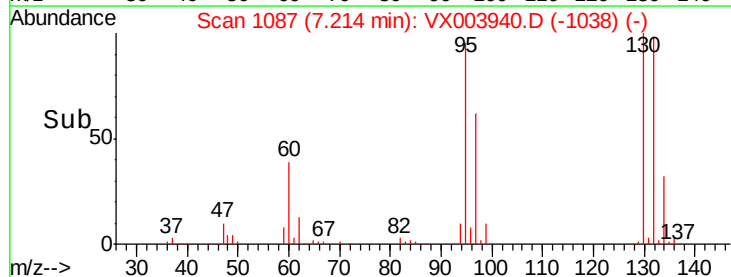
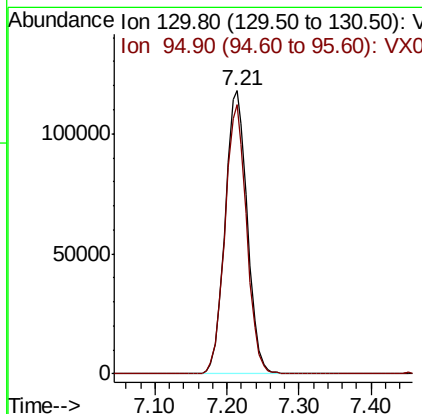
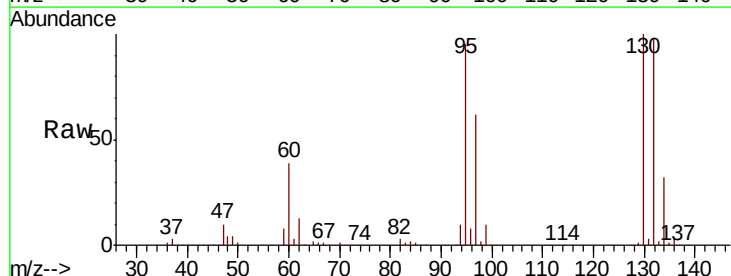
RT: 7.21 min Scan# 1087

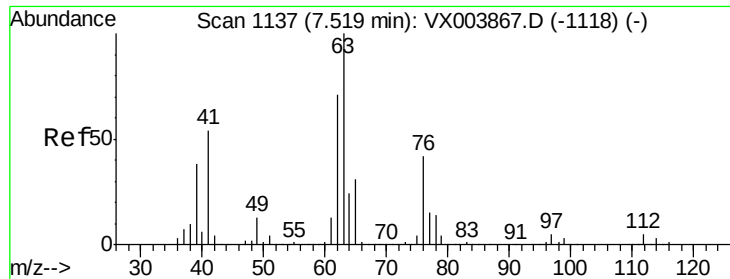
Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Tgt Ion:	130	Resp:	252552
Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	199.4





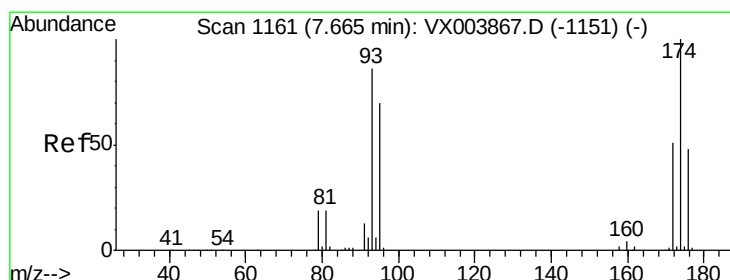
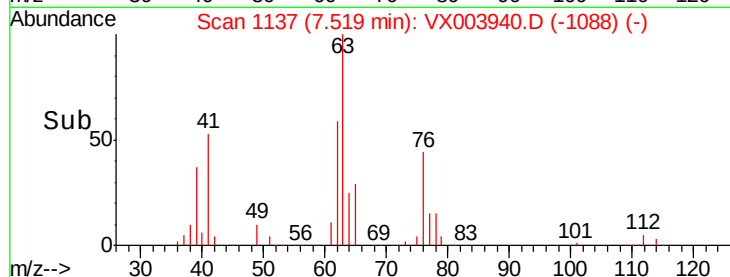
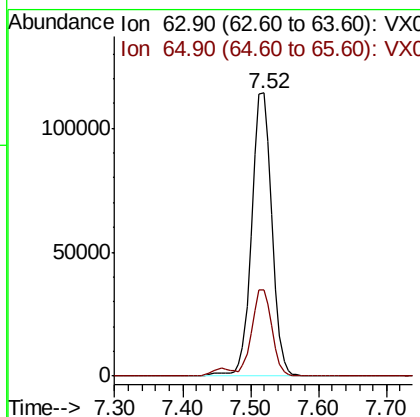
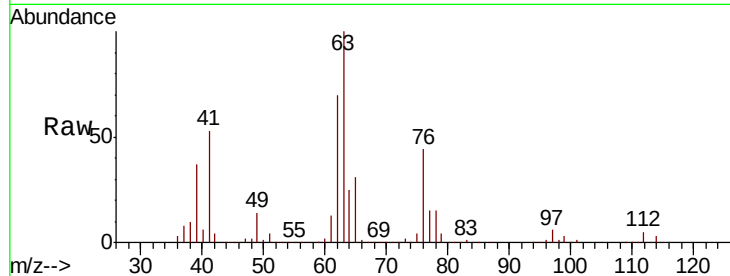
#45
 1,2-Dichloropropane
 Concen: 52.28 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.6	36.8

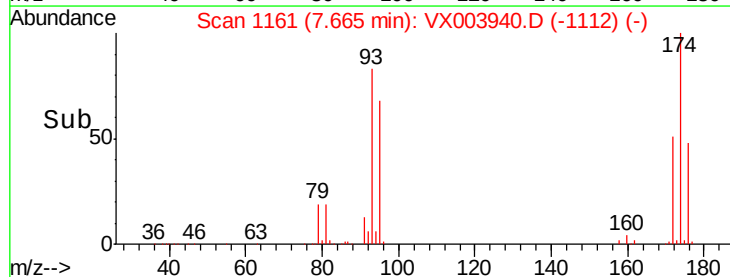
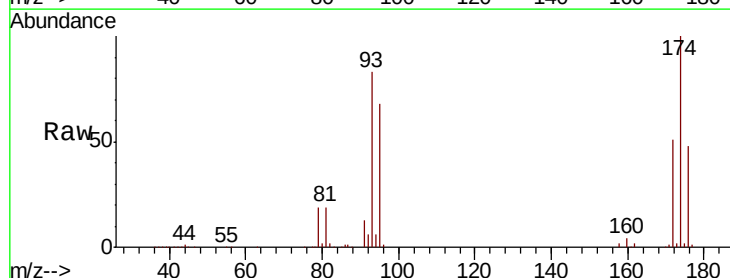
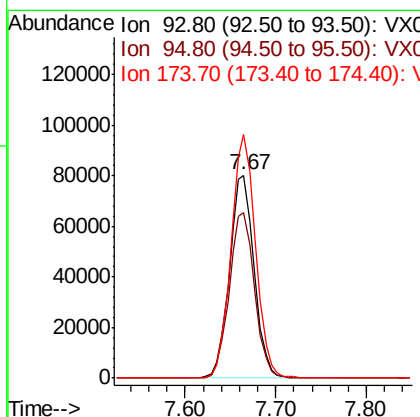
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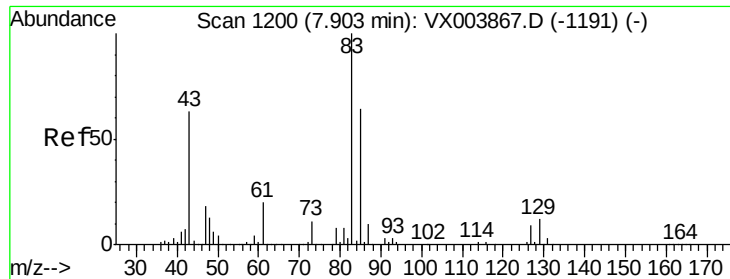
MMDadoda
 8/10/2018 10:55:20 AM



#46
 Dibromomethane
 Concen: 51.44 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.4	99.6
174	119.3	94.3	141.5





#47

Bromodichloromethane

Concen: 53.69 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

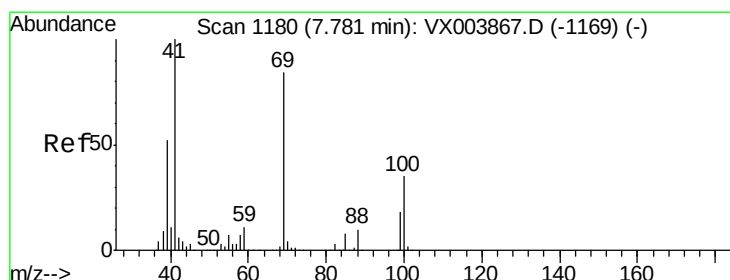
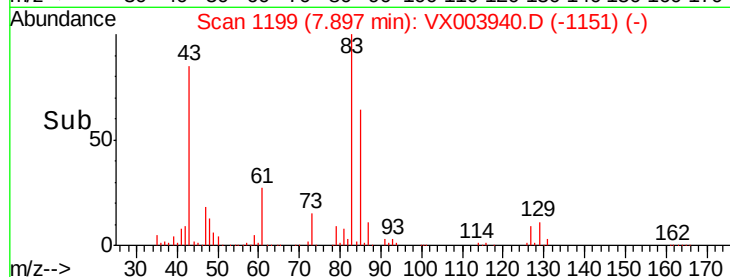
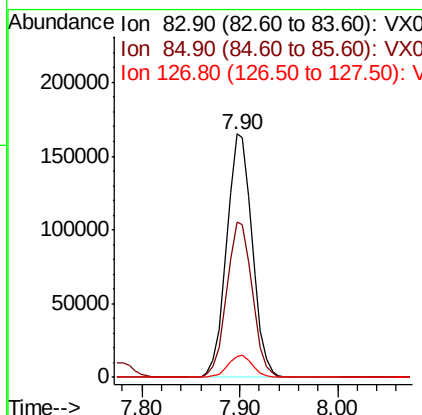
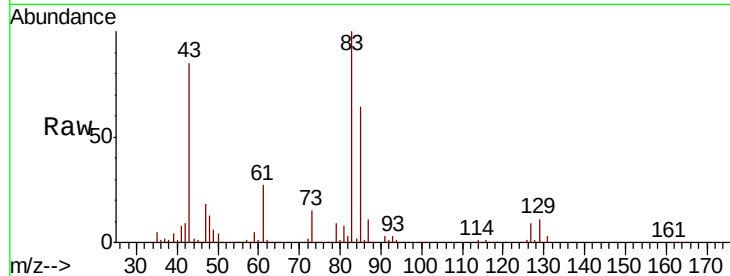
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	299124
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.2	76.8
127	8.5	7.2	10.8

Manual Integrations
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MMDadoda
8/10/2018 10:55:20 AM



#48

Methyl methacrylate

Concen: 52.96 ug/l

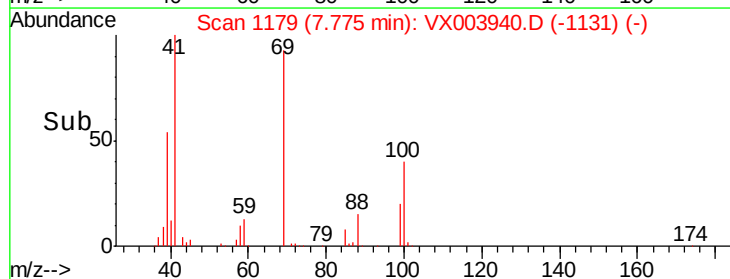
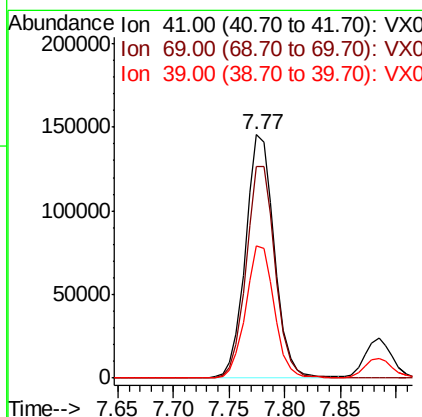
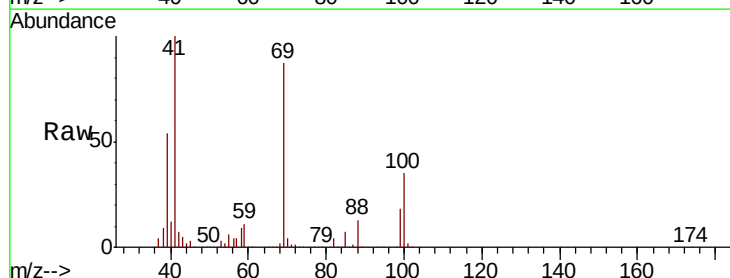
RT: 7.77 min Scan# 1179

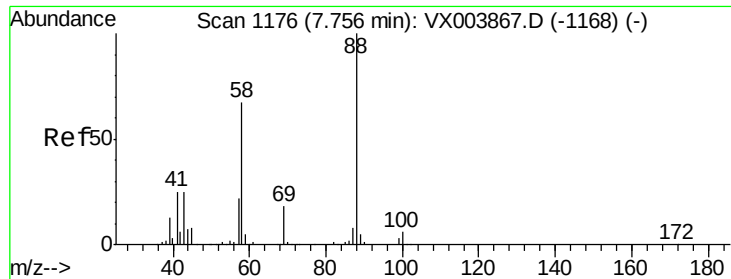
Delta R.T. -0.01 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Tgt Ion:	41	Resp:	261789
Ion	Ratio	Lower	Upper
41	100		
69	88.3	68.8	103.2
39	54.0	42.3	63.5





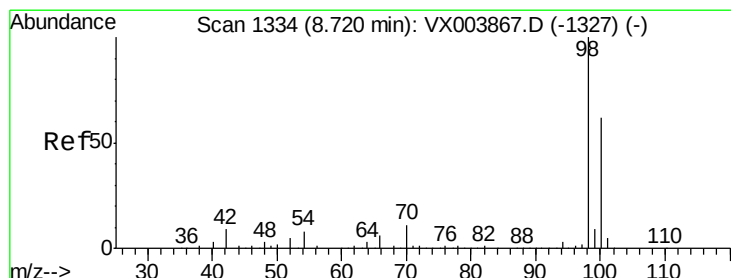
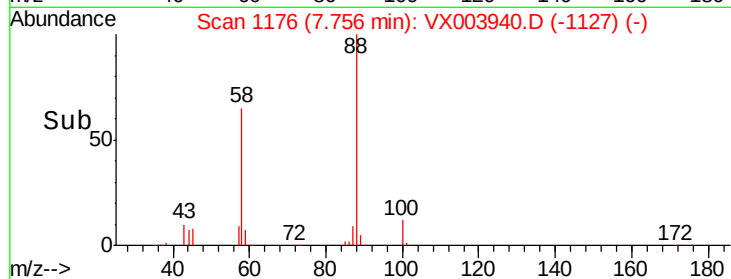
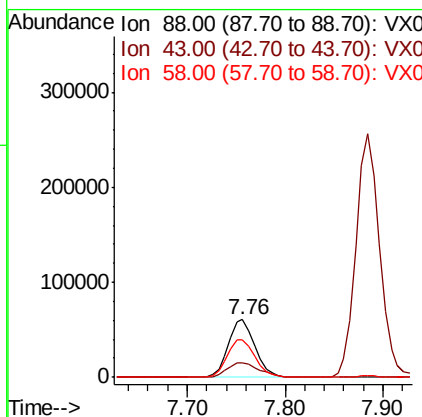
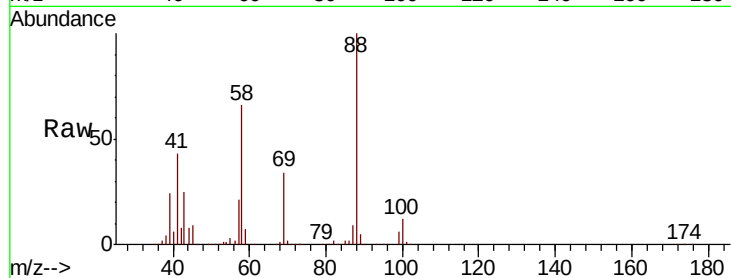
#49
1,4-Dioxane
Concen: 990.83 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.3	23.8	35.8
58	69.0	55.4	83.0

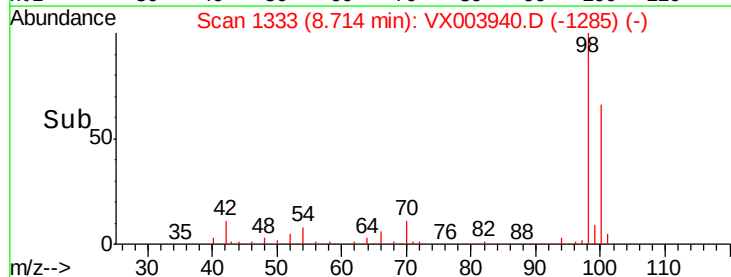
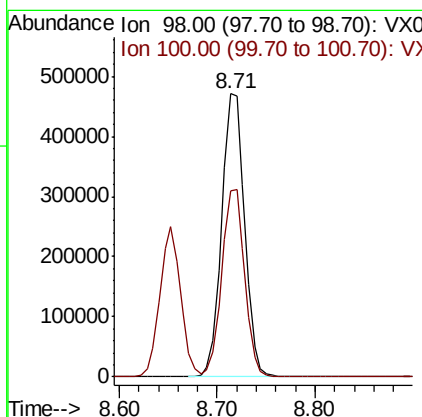
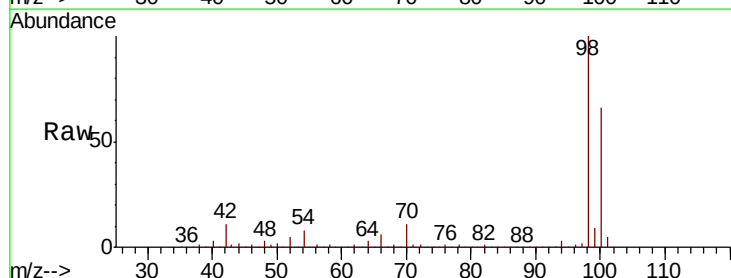
Manual Integrations
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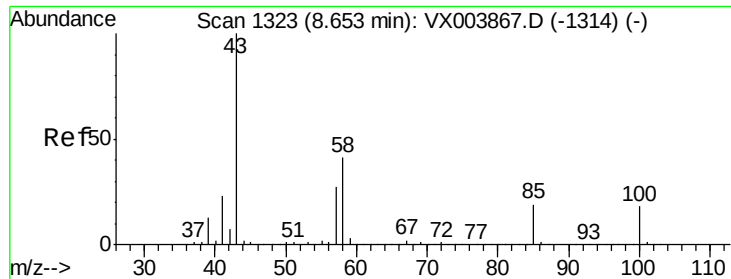
MMDadoda
8/10/2018 10:55:20 AM



#50
Toluene-d8
Concen: 49.53 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.3	79.9





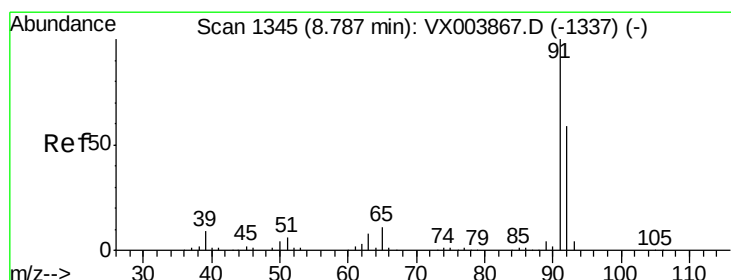
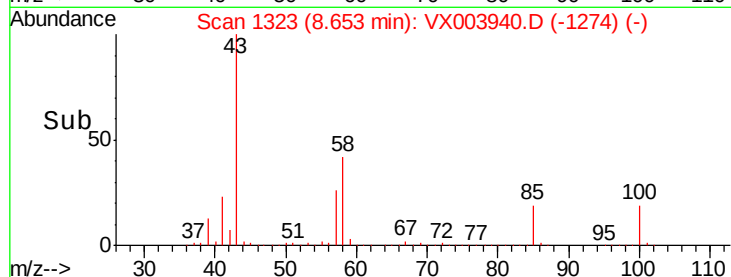
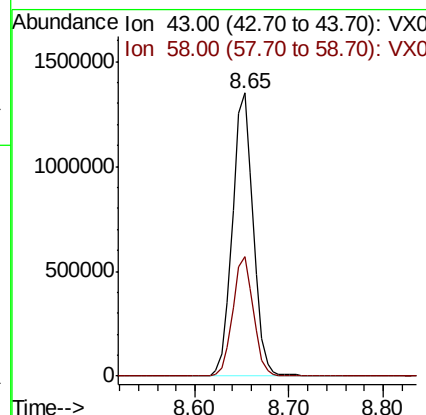
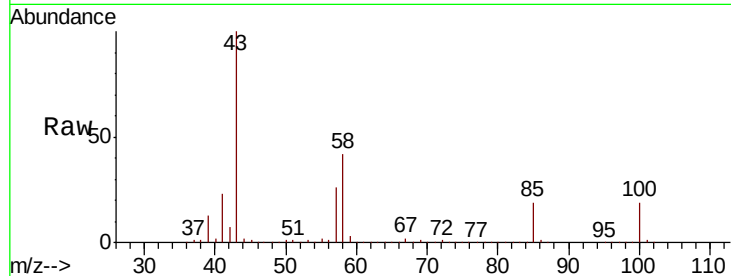
#51
4-Methyl-2-Pentanone
Concen: 256.12 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2064524
Ion Ratio Lower Upper
43 100
58 41.8 33.0 49.6

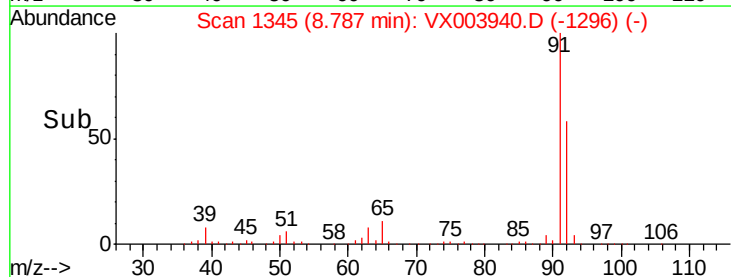
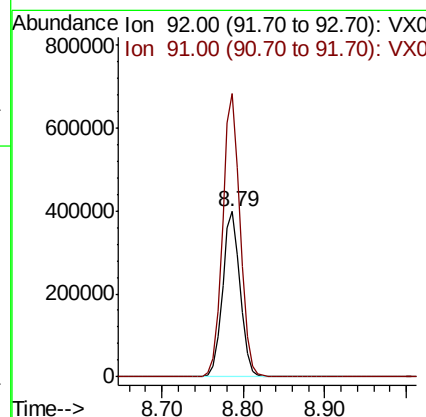
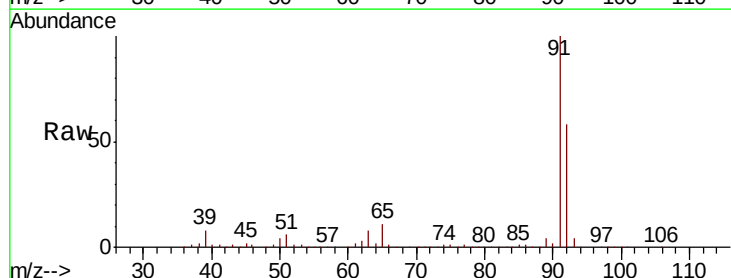
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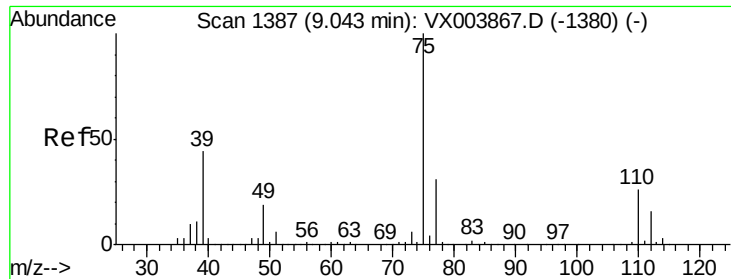
MMDadoda
8/10/2018 10:55:20 AM



#52
Toluene
Concen: 53.90 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion: 92 Resp: 600760
Ion Ratio Lower Upper
92 100
91 170.9 136.1 204.1





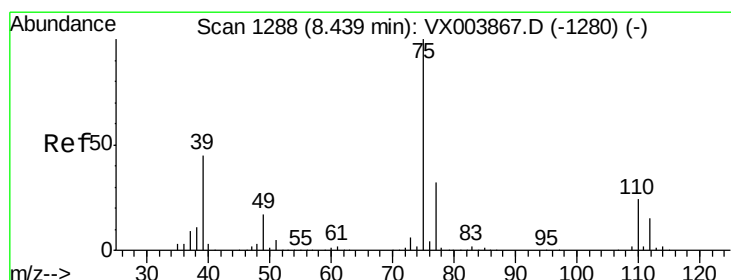
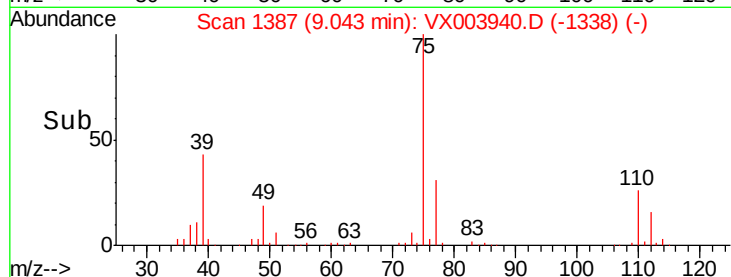
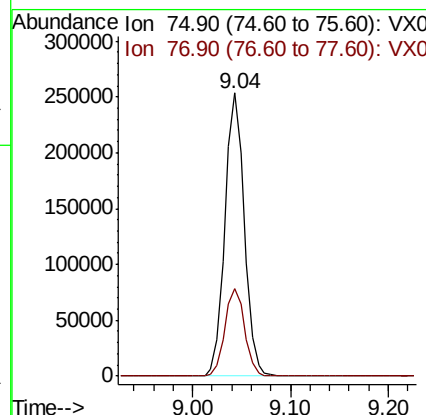
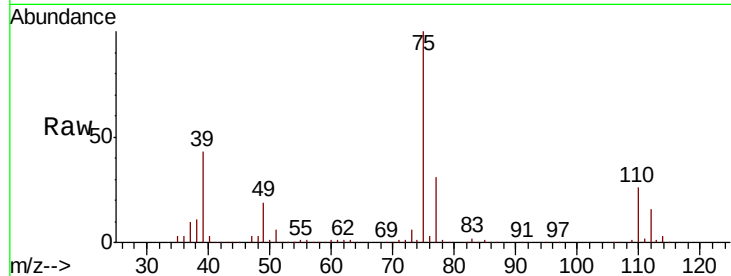
#53
t-1,3-Dichloropropene
Concen: 55.42 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.1	37.7

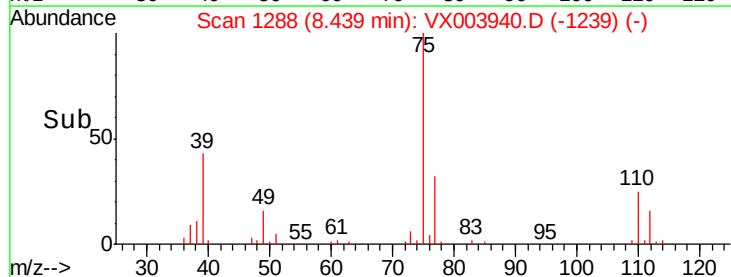
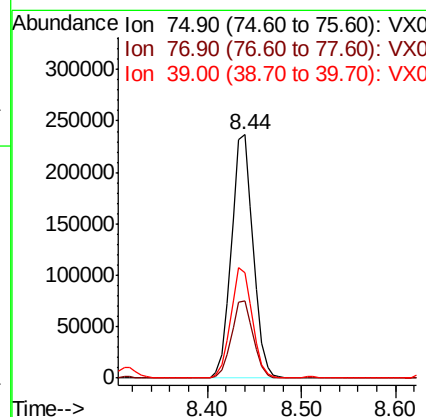
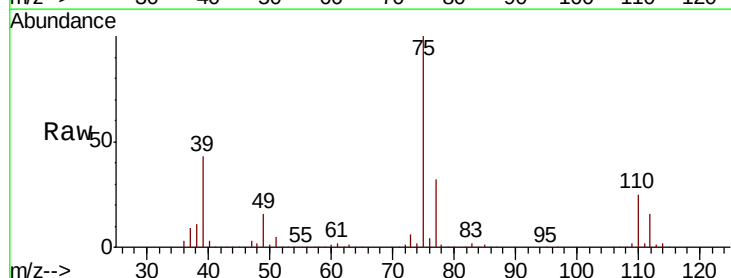
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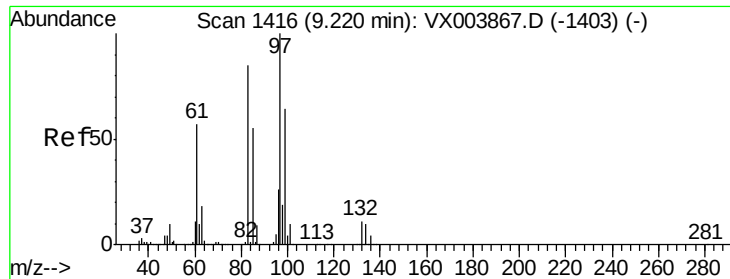
MMDadoda
8/10/2018 10:55:20 AM



#54
cis-1,3-Dichloropropene
Concen: 55.57 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.3	37.9
39	43.0	36.2	54.2





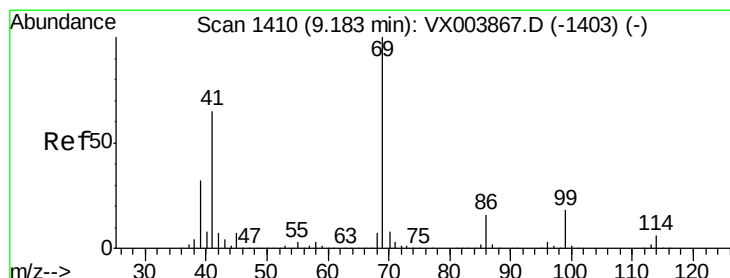
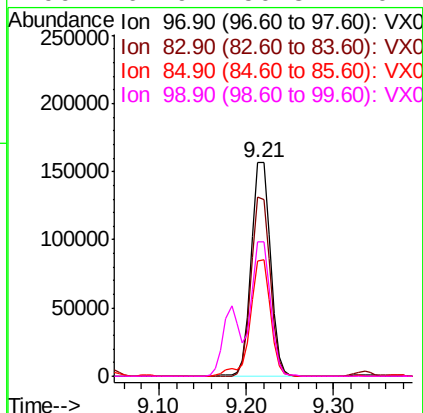
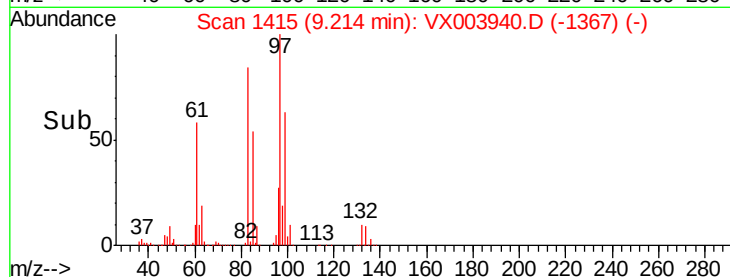
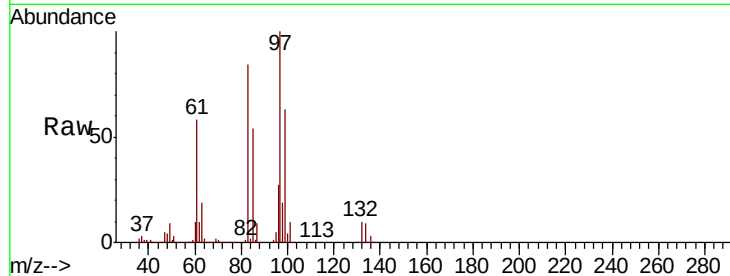
#55
 1,1,2-Trichloroethane
 Concen: 51.95 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	236636		
83	84.1	67.8	101.6	
85	54.2	44.2	66.2	
99	62.9	50.8	76.2	

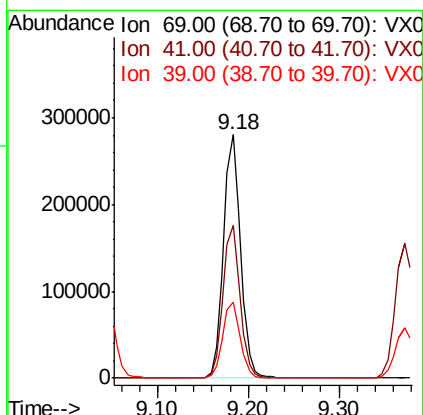
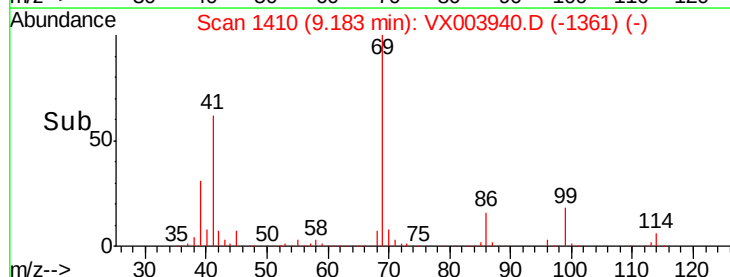
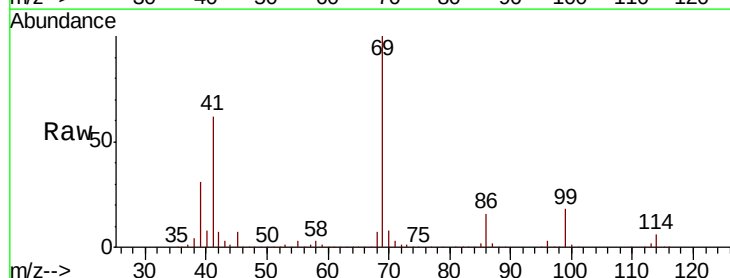
Manual Integrations
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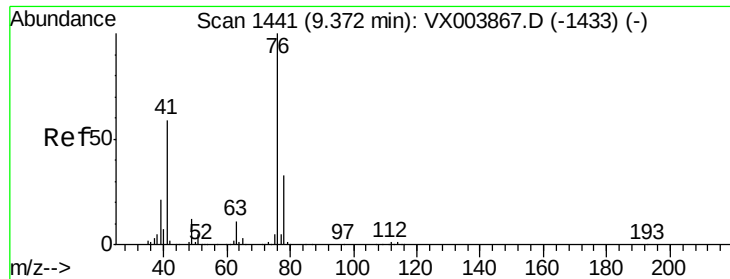
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 8/10/2018 10:55:20 AM



#56
 Ethyl methacrylate
 Concen: 55.81 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	368847		
41	62.6	50.6	76.0	
39	32.1	25.8	38.6	





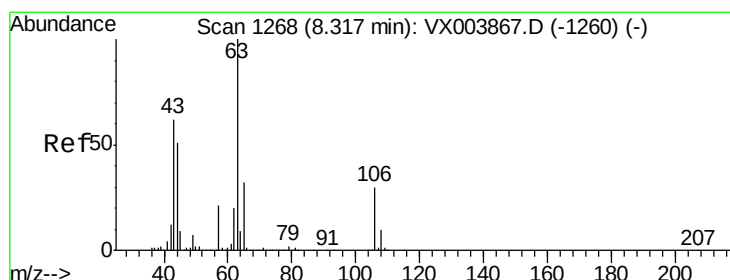
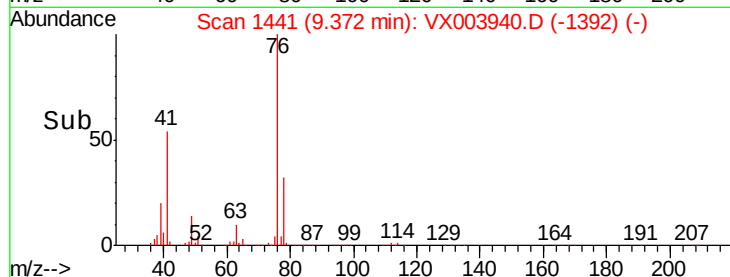
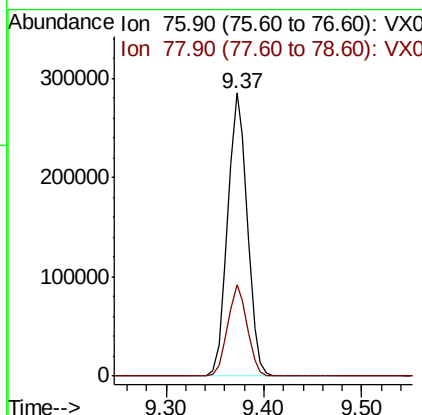
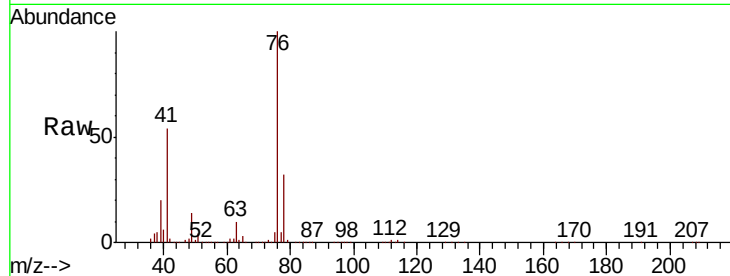
#57
 1,3-Dichloropropane
 Concen: 52.37 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.9	38.9

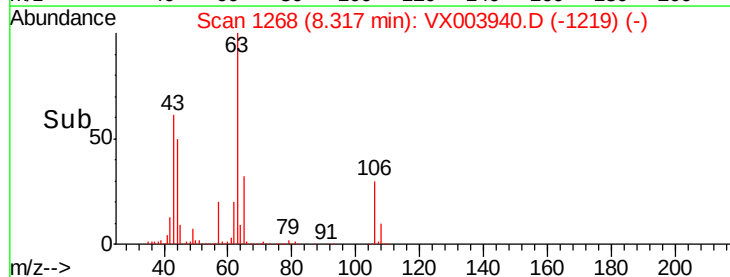
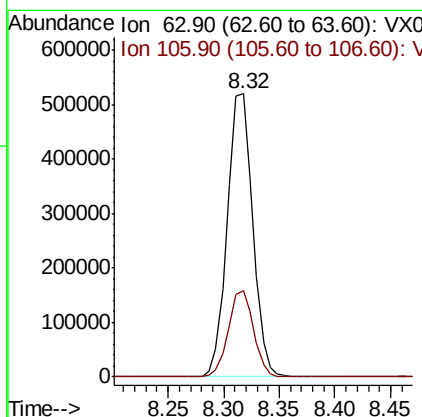
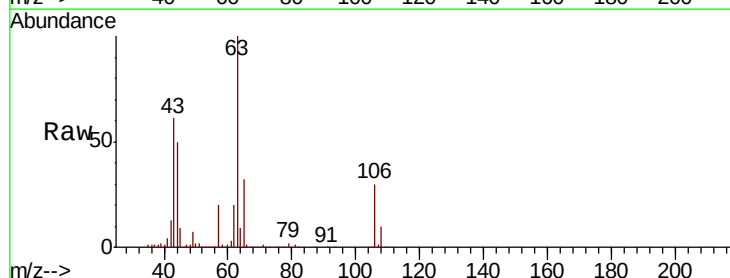
Manual Integrations
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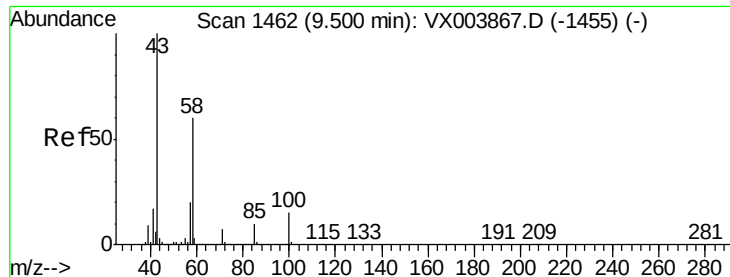
MMDadoda
 8/10/2018 10:55:20 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.70 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.1	23.8	35.8





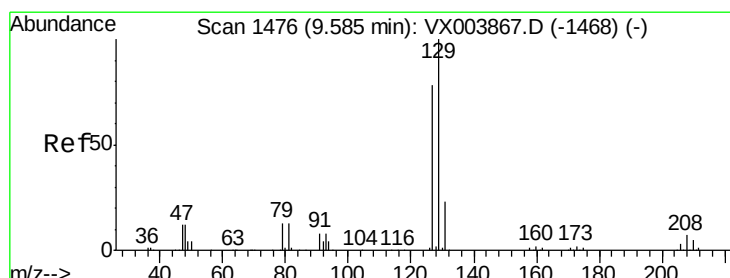
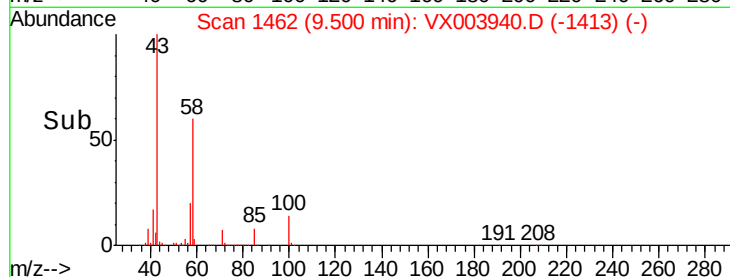
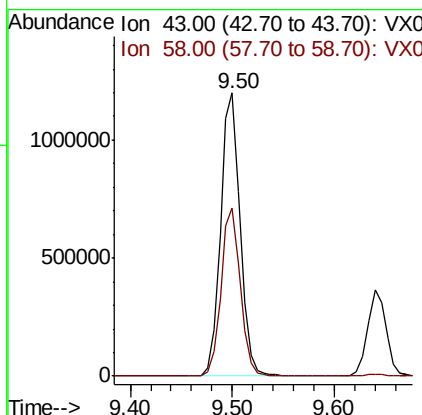
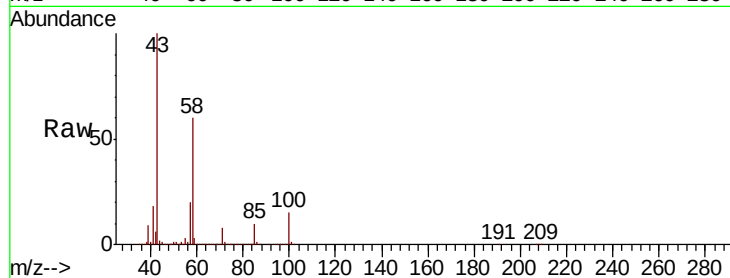
#59
2-Hexanone
Concen: 265.84 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 1601817
Ion Ratio Lower Upper
43 100
58 58.7 29.0 87.0

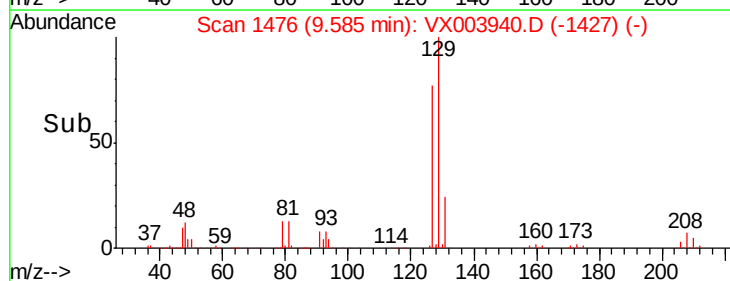
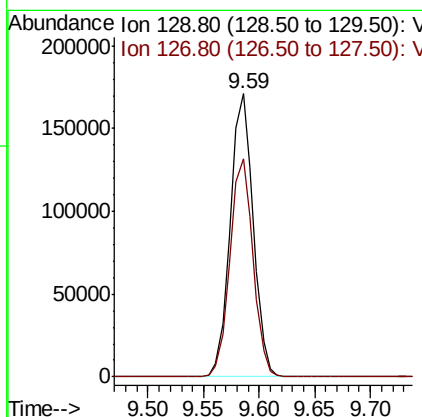
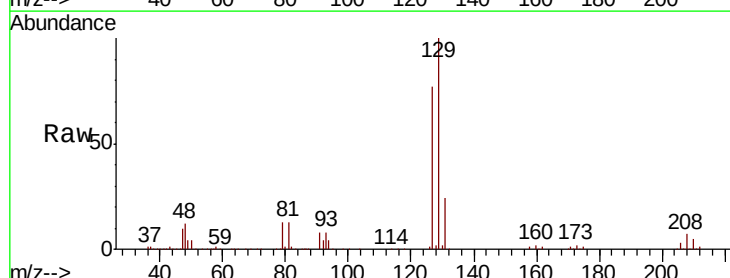
Manual Integrations
APPROVED

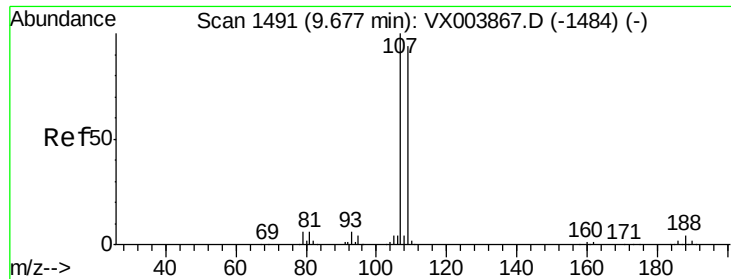
MMDadoda
8/10/2018 10:55:20 AM



#60
Dibromochloromethane
Concen: 57.35 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion: 129 Resp: 243538
Ion Ratio Lower Upper
129 100
127 77.5 38.8 116.3





#61

1,2-Dibromoethane

Concen: 54.28 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 247541

Ion Ratio Lower Upper

107 100

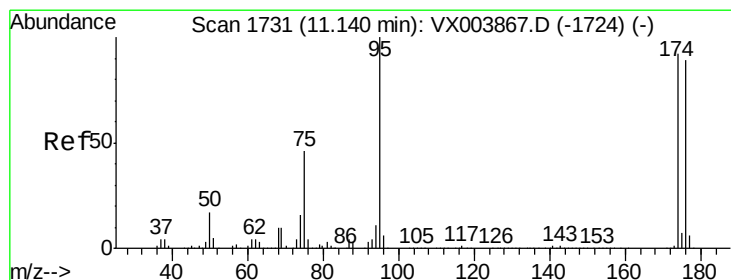
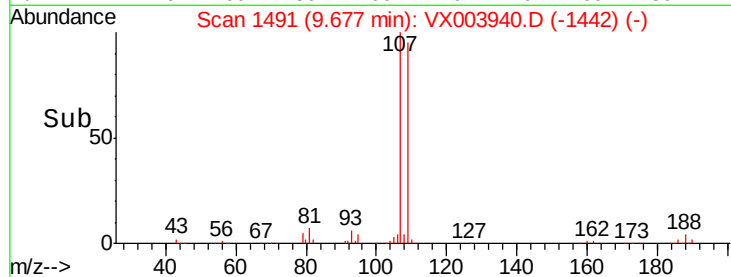
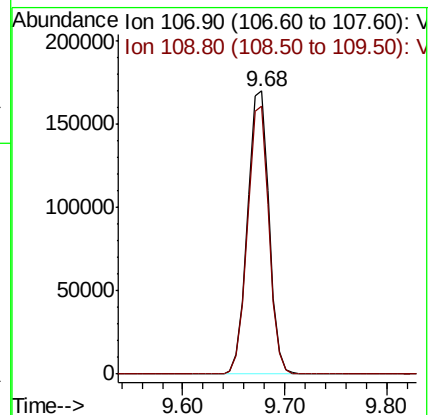
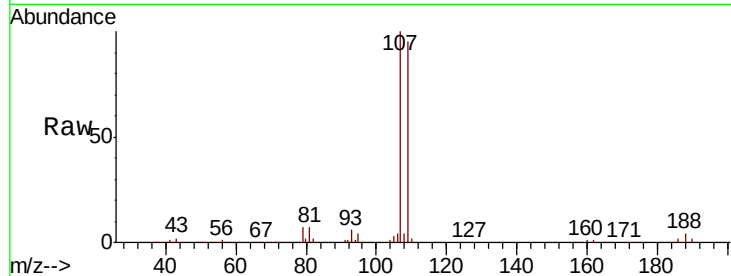
109 94.4 75.8 113.8

Manual Integrations

APPROVED

MMDadoda

8/10/2018 10:55:20 AM



#62

4-Bromofluorobenzene

Concen: 58.26 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

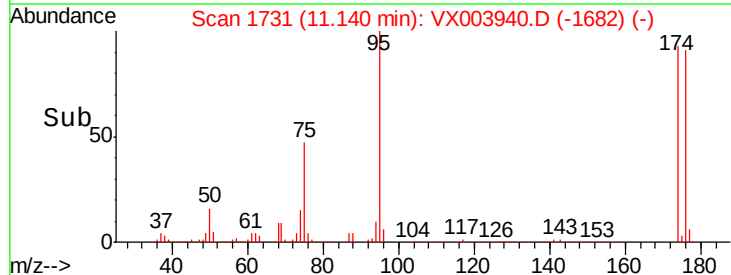
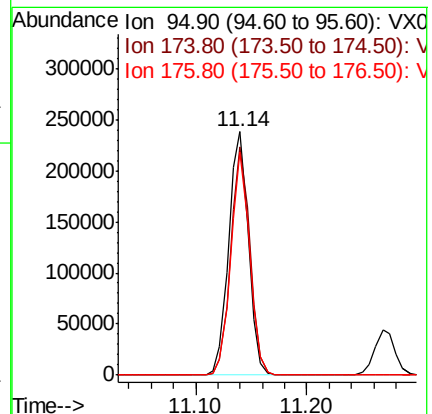
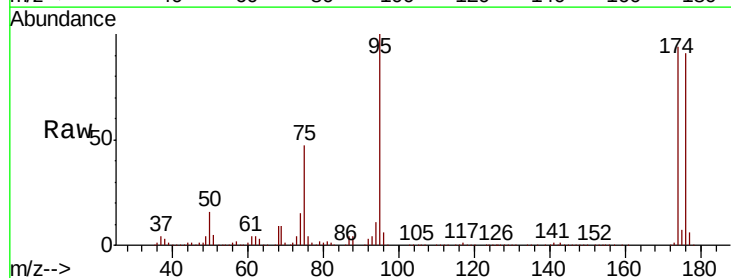
Tgt Ion: 95 Resp: 291332

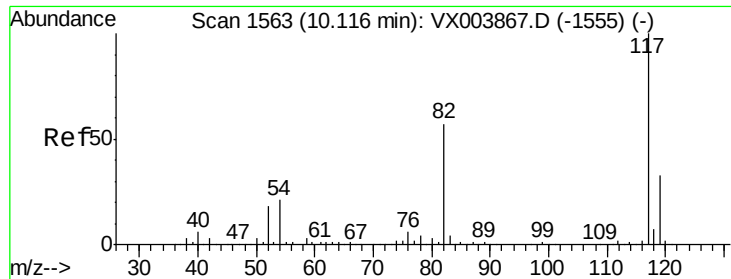
Ion Ratio Lower Upper

95 100

174 91.2 0.0 182.8

176 87.3 0.0 179.0





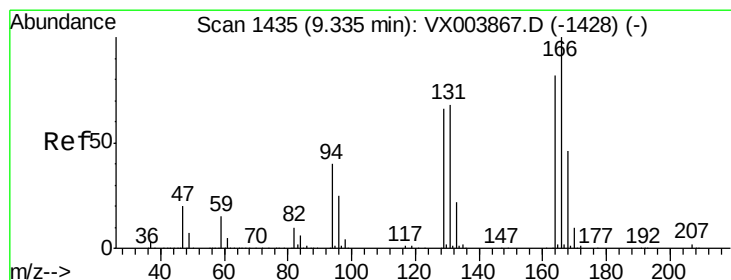
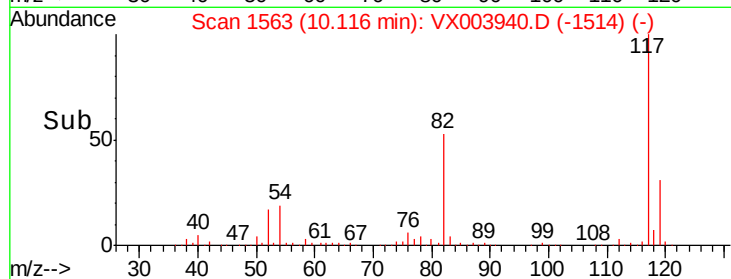
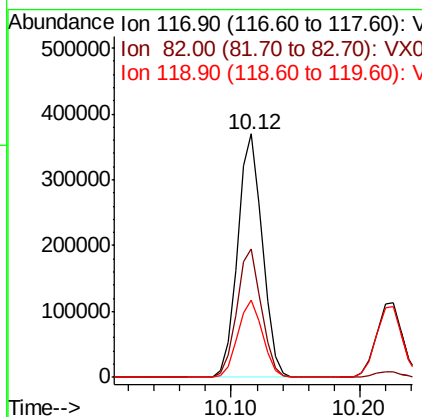
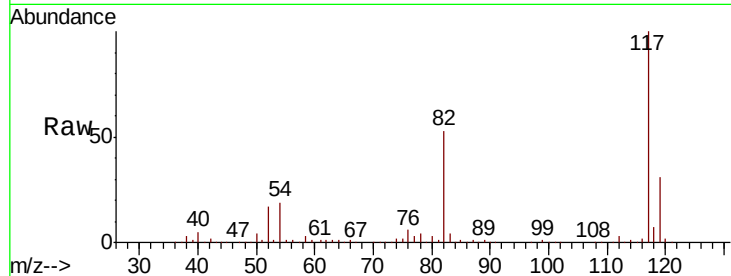
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	45.4	68.0
119	31.5	26.6	40.0

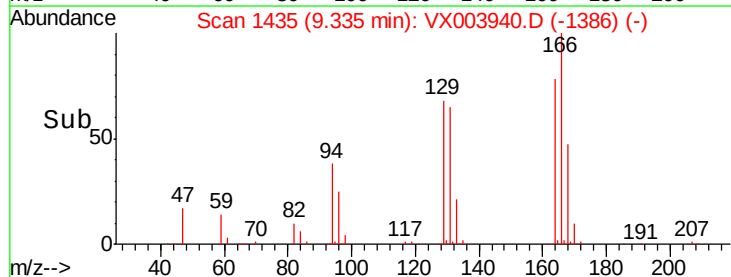
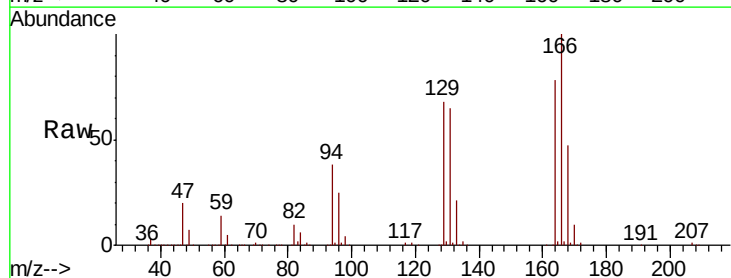
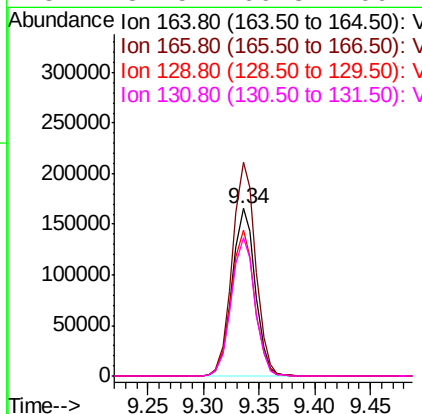
Manual Integrations
APPROVED

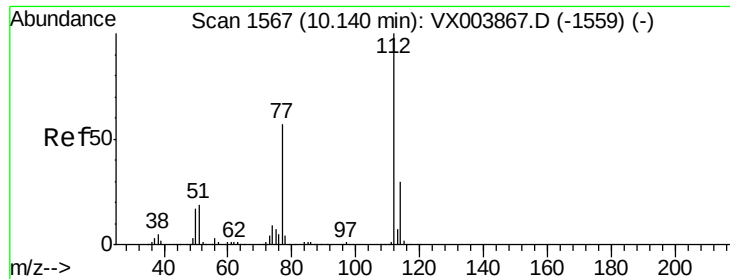
MMDadoda
8/10/2018 10:55:20 AM



#64
Tetrachloroethene
Concen: 49.41 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	98.0	147.0
129	87.2	64.3	96.5
131	82.5	66.8	100.2





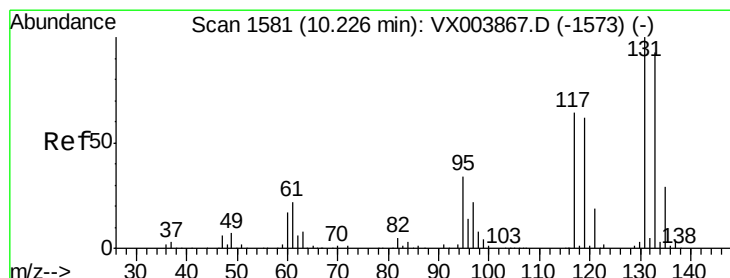
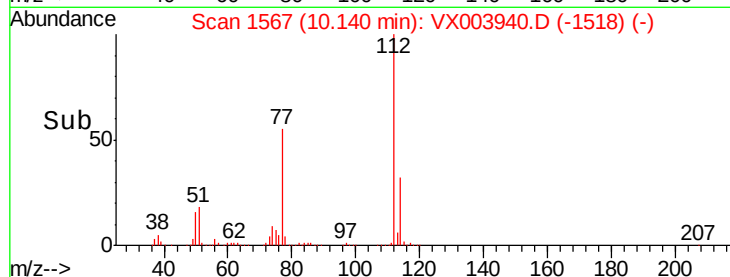
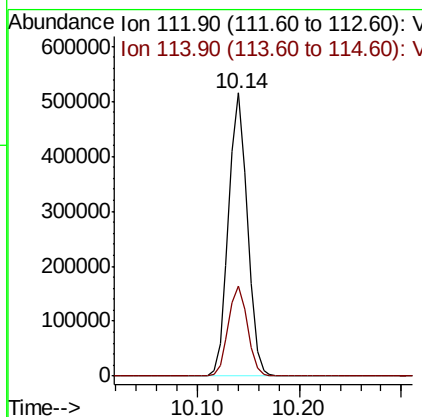
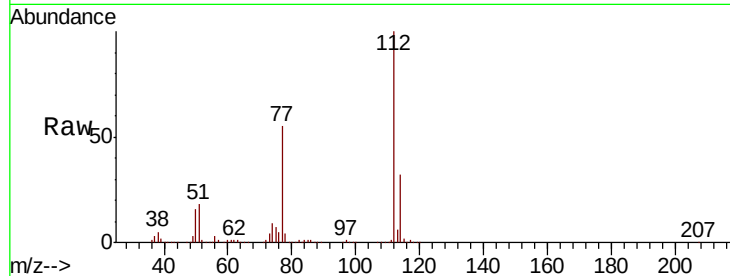
#65
Chlorobenzene
Concen: 51.55 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	23.6	35.4

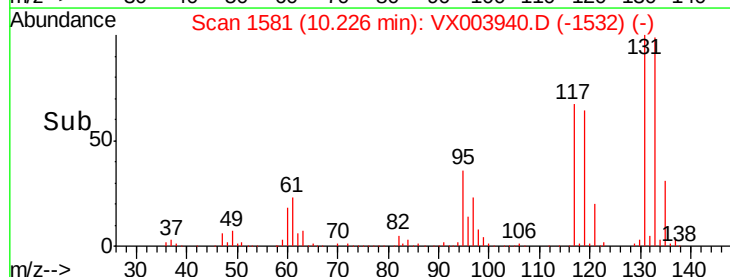
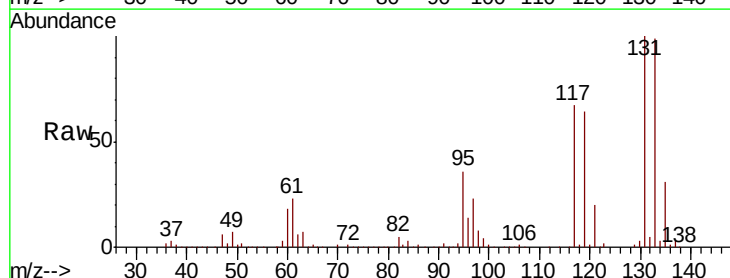
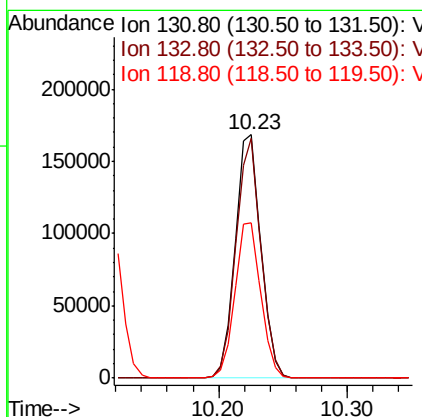
Manual Integrations
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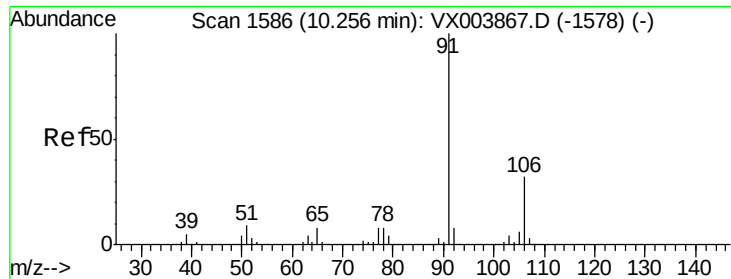
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.34 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.3	141.8
119	64.3	31.6	94.8





#67

Ethyl Benzene

Concen: 54.16 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1133891

Ion Ratio Lower Upper

91 100

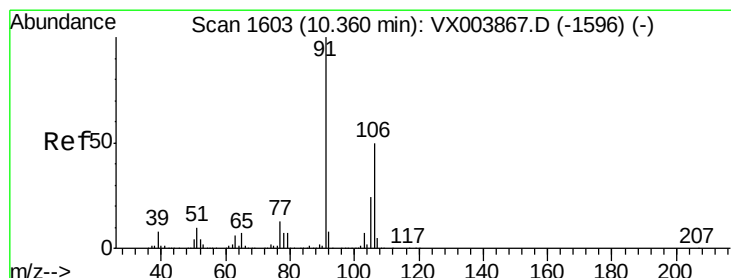
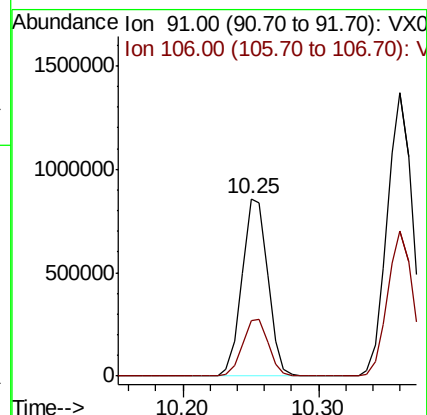
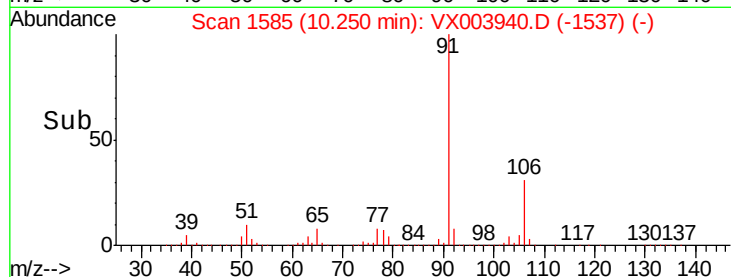
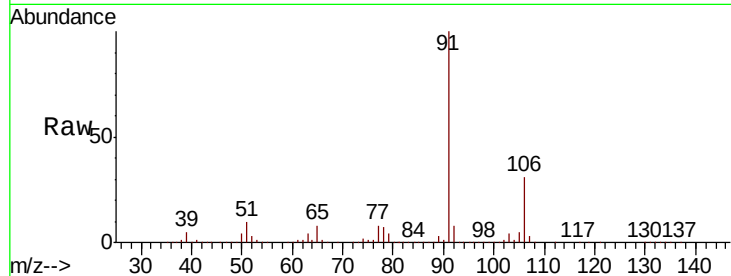
106 31.1 25.9 38.9

Manual Integrations

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MMDadoda

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#68

m/p-Xylenes

Concen: 111.23 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003940.D

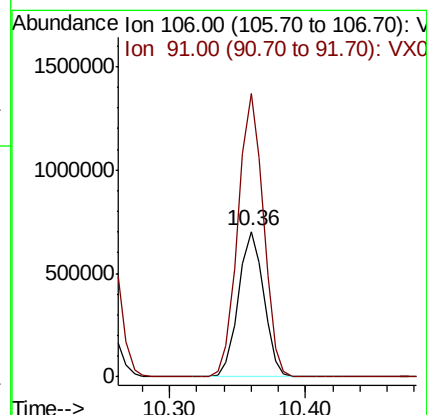
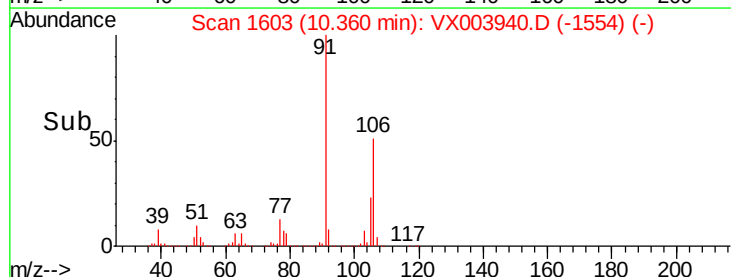
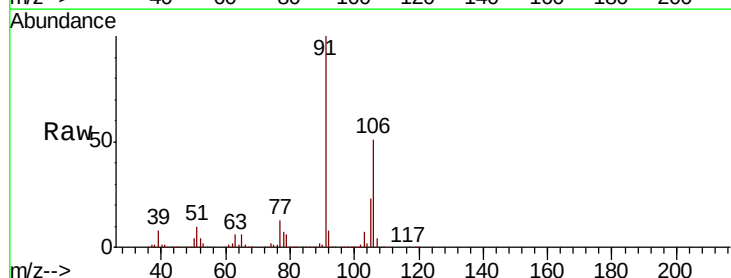
Acq: 09 Aug 2018 10:04

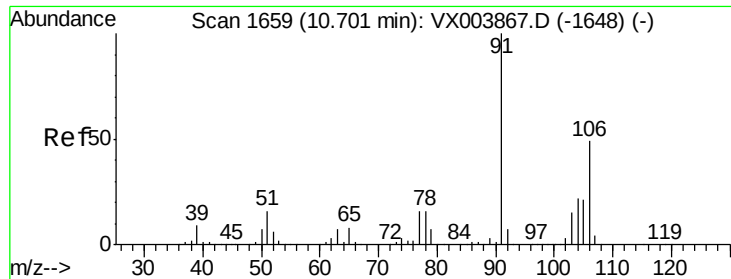
Tgt Ion: 106 Resp: 909935

Ion Ratio Lower Upper

106 100

91 195.9 162.3 243.5





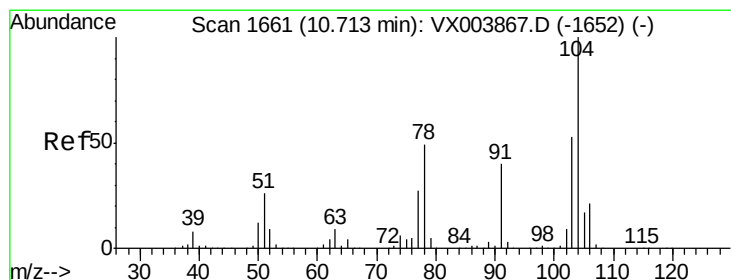
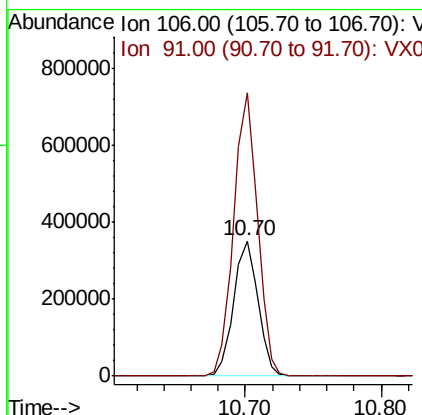
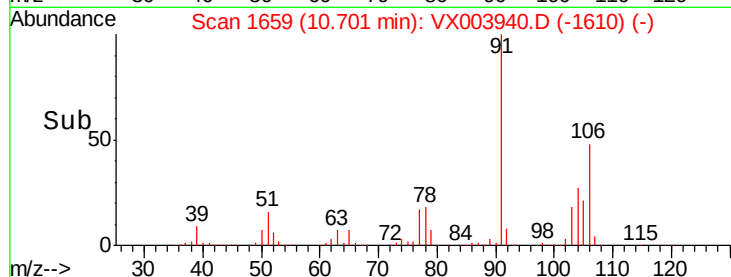
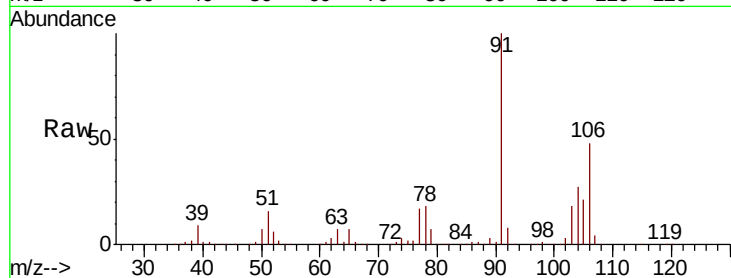
#69
o-Xylene
Concen: 56.81 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 438728
Ion Ratio Lower Upper
106 100
91 205.9 101.9 305.7

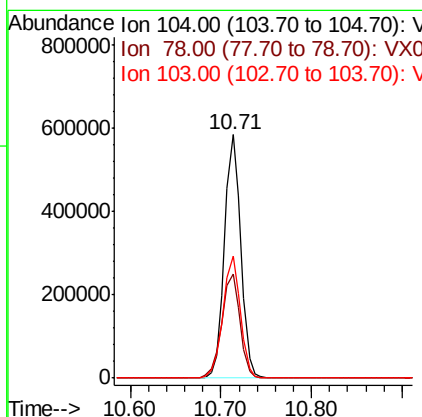
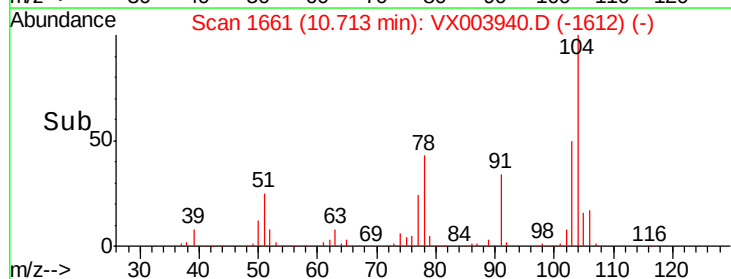
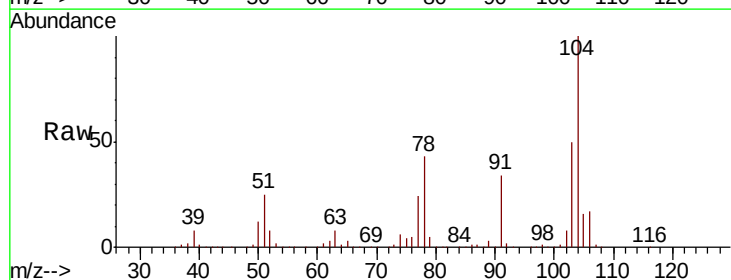
Manual Integrations
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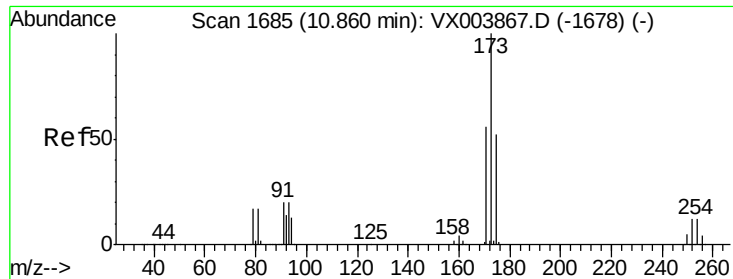
MMDadoda
8/10/2018 10:55:20 AM



#70
Styrene
Concen: 57.80 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion:104 Resp: 730795
Ion Ratio Lower Upper
104 100
78 47.9 39.8 59.6
103 54.0 44.3 66.5





#71

Bromoform

Concen: 51.22 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

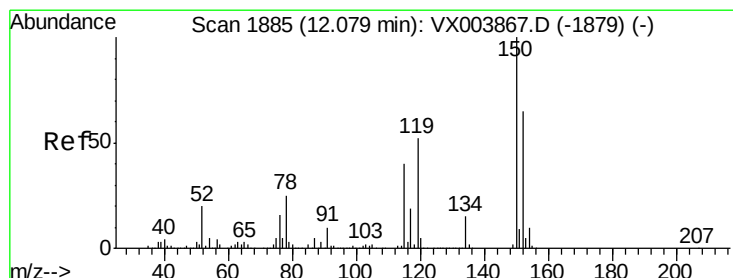
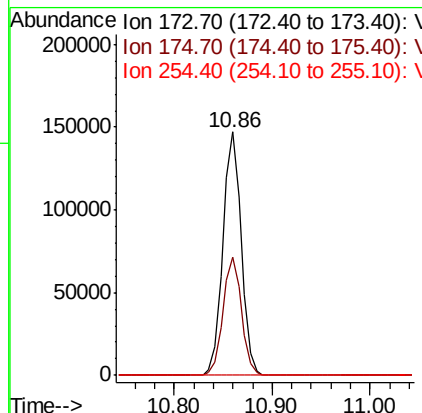
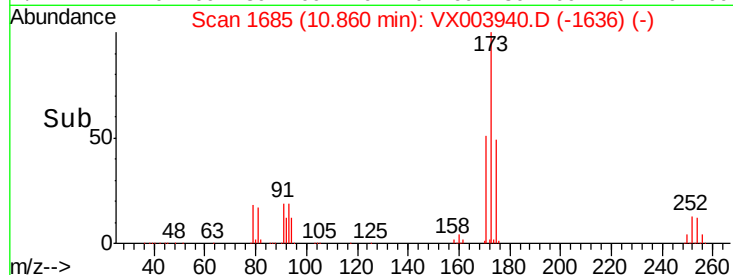
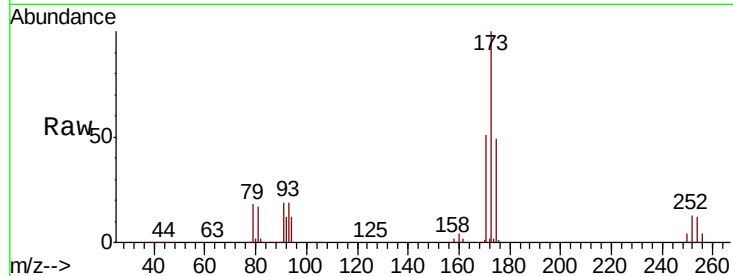
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	191217
Ion Ratio	Lower	Upper	
173	100		
175	48.9	24.9	74.7
254	0.2	0.2	0.2

Manual Integrations
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8/10/2018 10:55:20 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

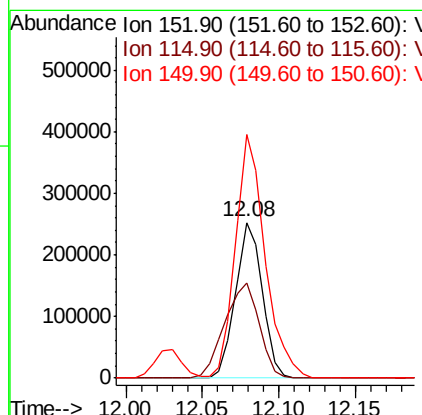
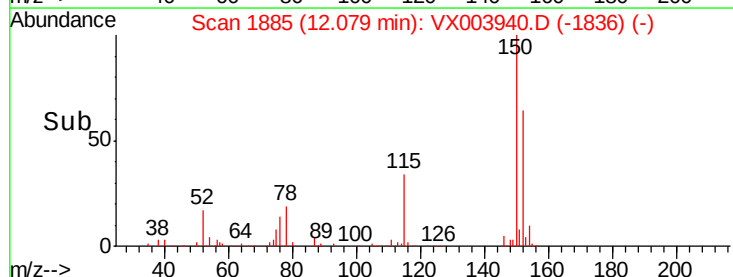
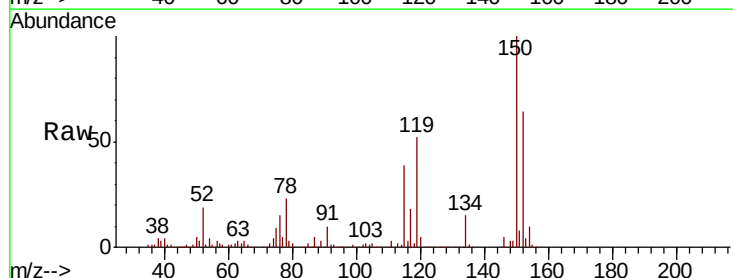
RT: 12.08 min Scan# 1885

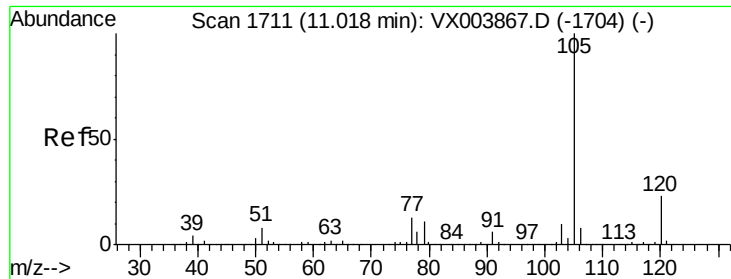
Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Tgt Ion:	152	Resp:	304994
Ion Ratio	Lower	Upper	
152	100		
115	79.0	39.1	117.3
150	174.3	0.0	349.2





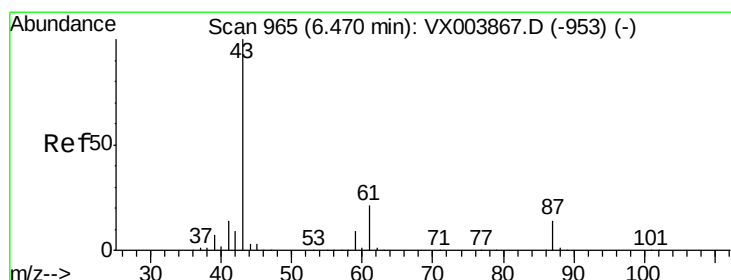
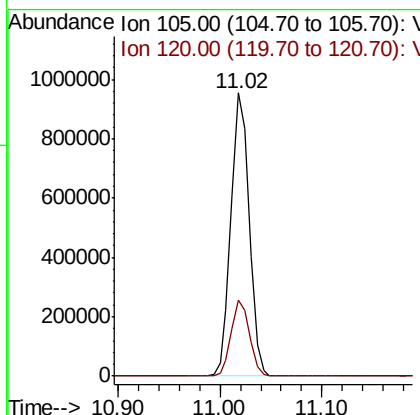
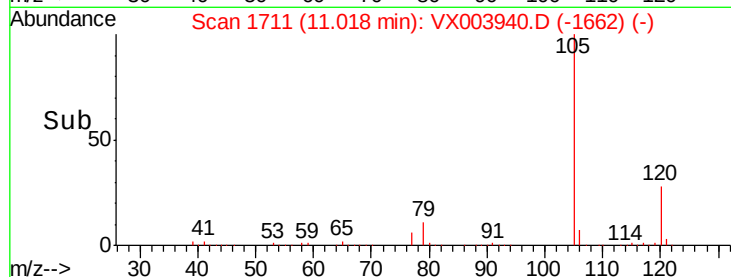
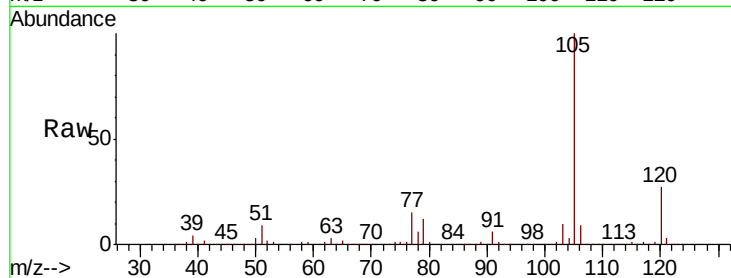
#73
Isopropylbenzene
Concen: 51.94 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1171971
Ion Ratio Lower Upper
105 100
120 26.7 12.6 37.8

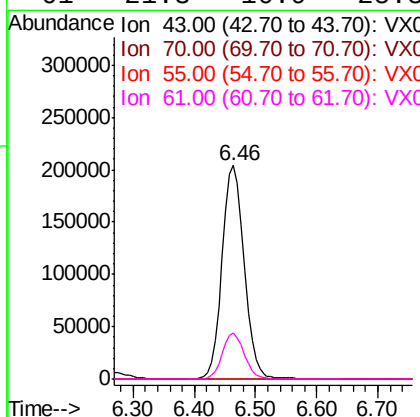
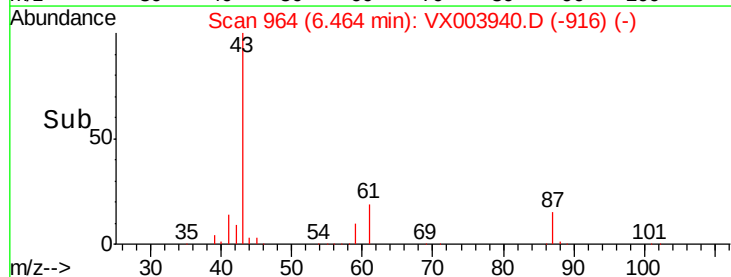
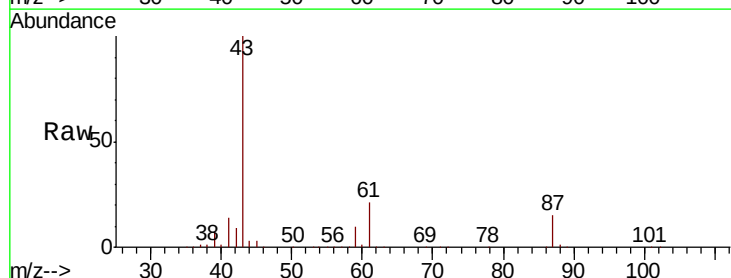
Manual Integrations
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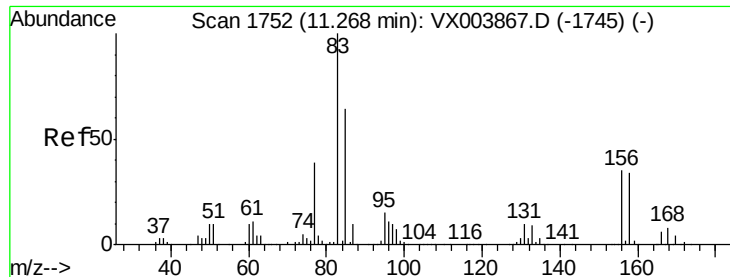
MMDadoda
8/10/2018 10:55:20 AM



#74
N-ethyl acetate
Concen: 43.38 ug/l
RT: 6.46 min Scan# 964
Delta R.T. -0.01 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion: 43 Resp: 509015
Ion Ratio Lower Upper
43 100
70 0.0 0.0 0.0#
55 0.1 0.1 0.1
61 21.3 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 47.75 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

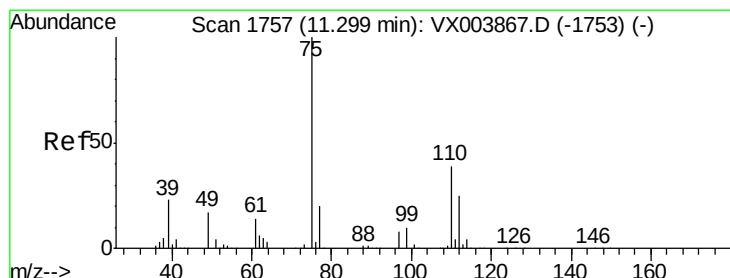
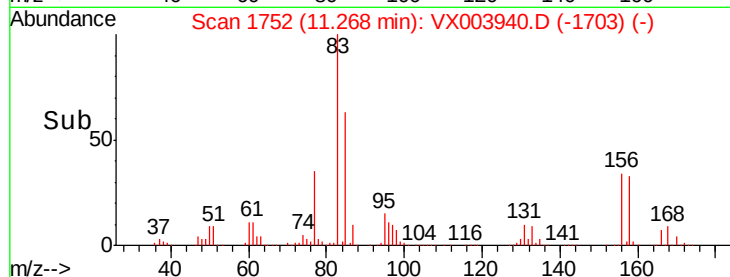
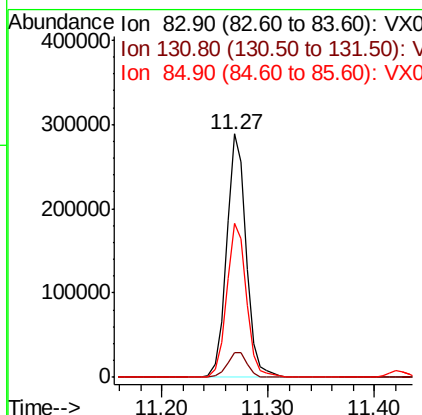
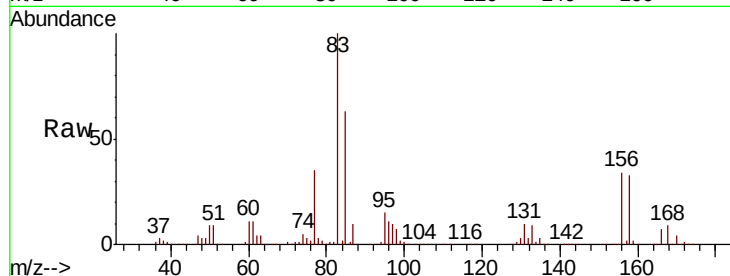
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	369275
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	64.2	32.2	96.6

Manual Integrations
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8/10/2018 10:55:20 AM



#76

1,2,3-Trichloropropane

Concen: 48.60 ug/l m

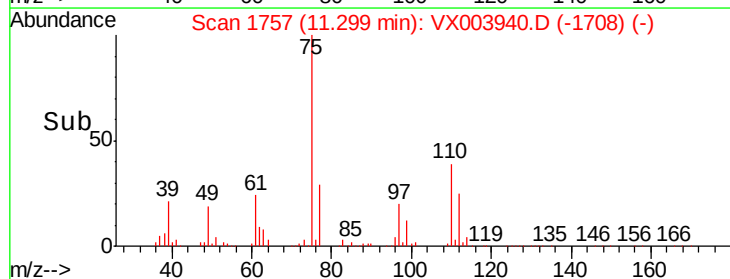
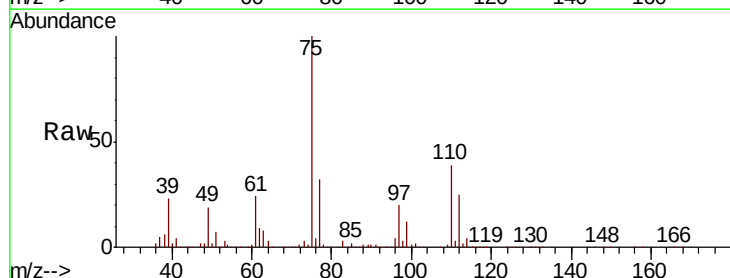
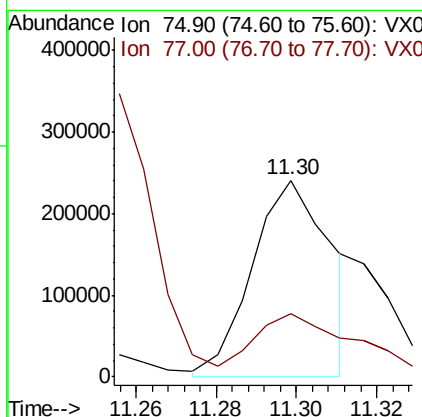
RT: 11.30 min Scan# 1757

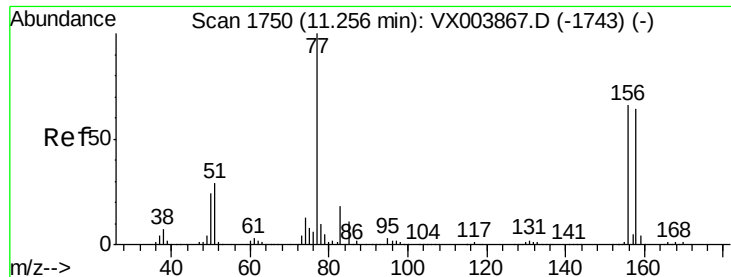
Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Tgt Ion:	75	Resp:	327389
Ion Ratio	Lower	Upper	
75	100		
77	41.9	20.8	62.5





#77

Bromobenzene

Concen: 50.99 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

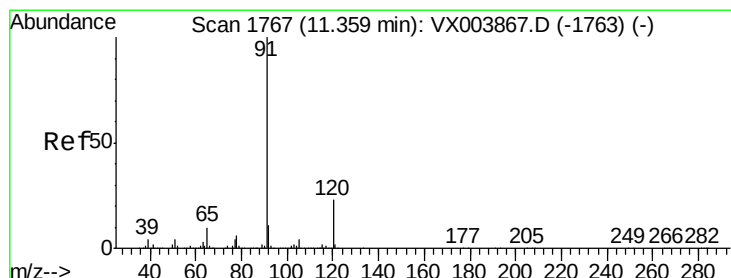
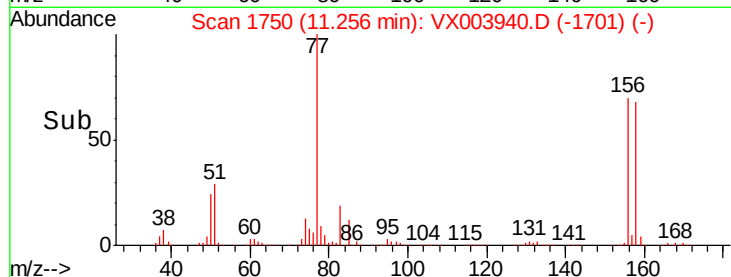
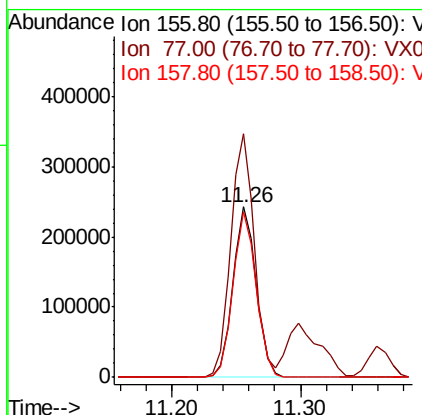
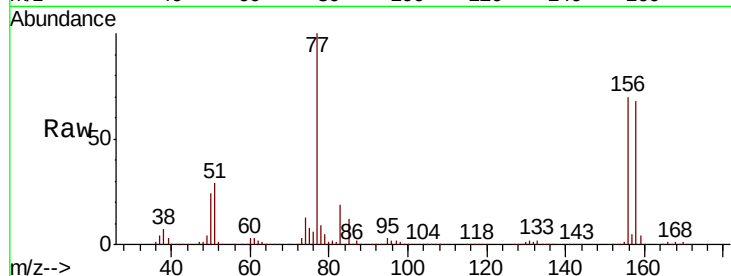
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	145.2	74.1	222.2
158	96.7	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 53.44 ug/l

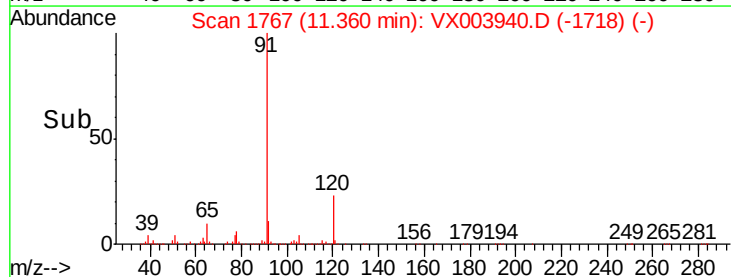
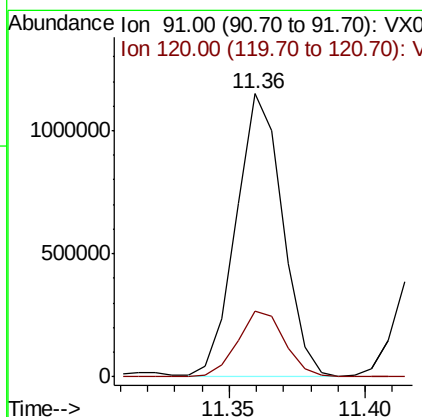
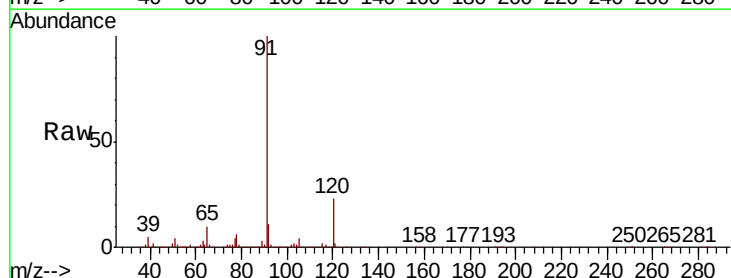
RT: 11.36 min Scan# 1767

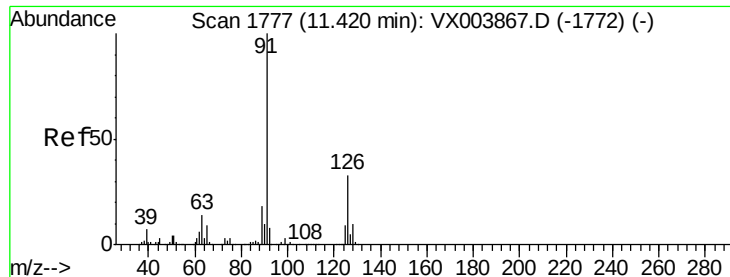
Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.5





#79

2-Chlorotoluene

Concen: 50.26 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 776310

Ion Ratio Lower Upper

91 100

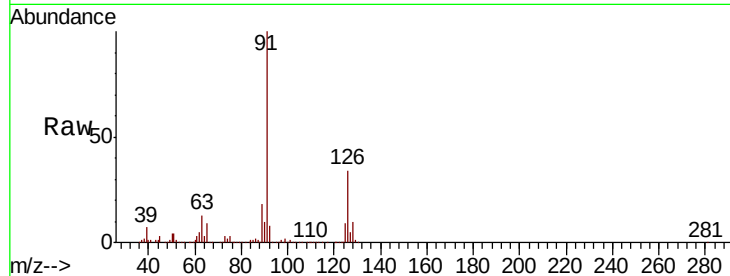
126 35.6 17.4 52.3

Manual Integrations

APPROVED

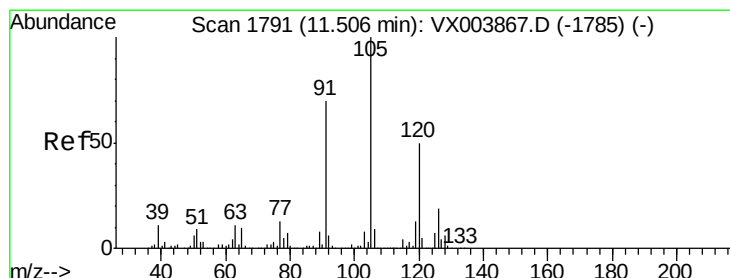
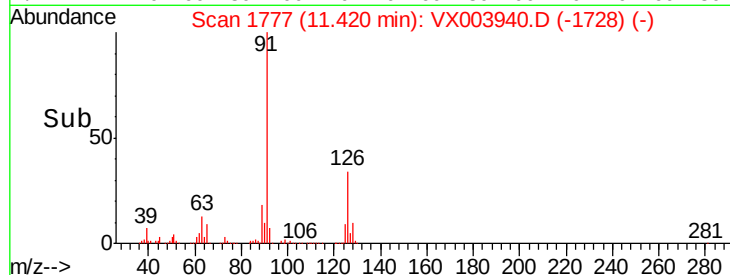
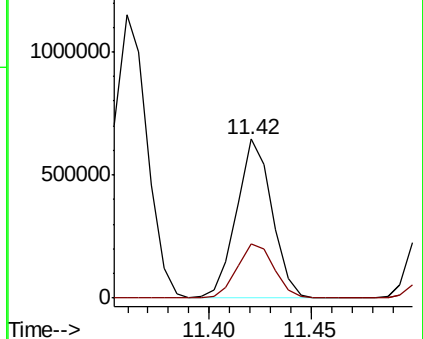
MMDadoda

8/10/2018 10:55:20 AM



Abundance Ion 91.00 (90.70 to 91.70): VX003867.D (-1772) (-)

Ion 125.90 (125.60 to 126.60): VX003867.D (-1772) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.76 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003940.D

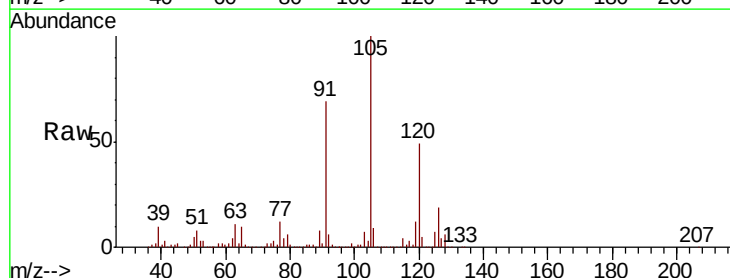
Acq: 09 Aug 2018 10:04

Tgt Ion: 105 Resp: 970675

Ion Ratio Lower Upper

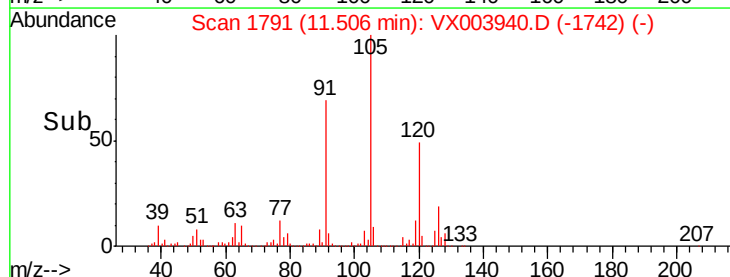
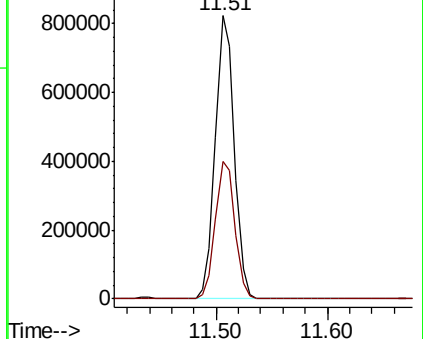
105 100

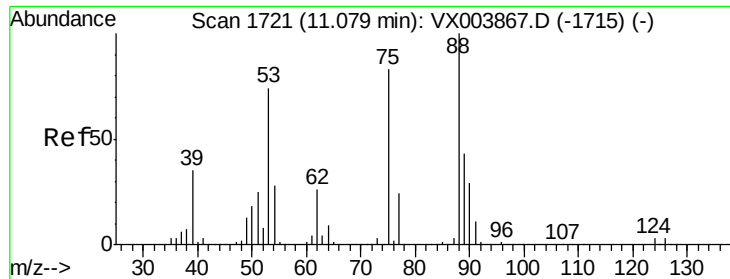
120 50.3 25.4 76.2



Abundance Ion 105.00 (104.70 to 105.70): VX003867.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX003867.D (-1785) (-)





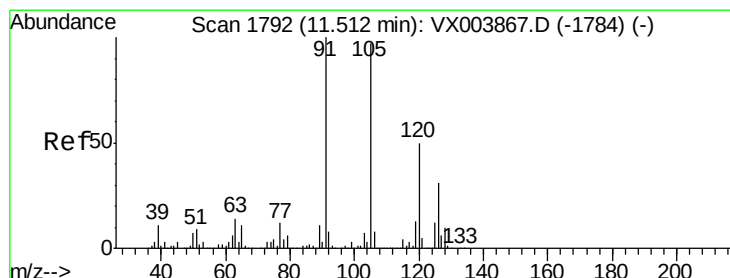
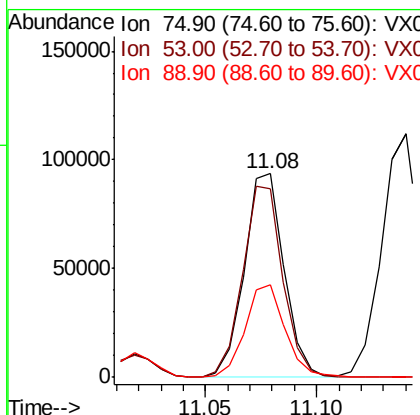
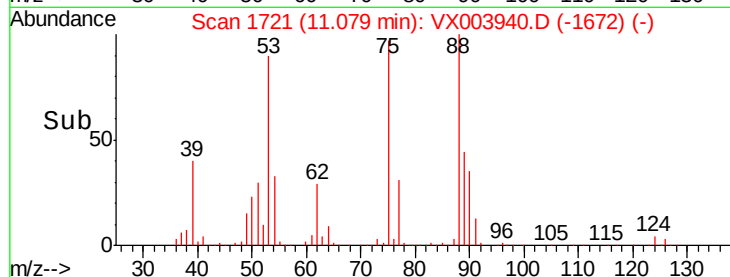
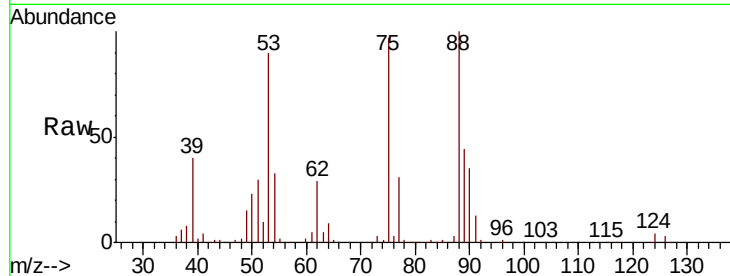
#81
trans-1,4-Dichloro-2-butene
Concen: 47.13 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.8	80.3	120.5
89	46.0	37.8	56.8

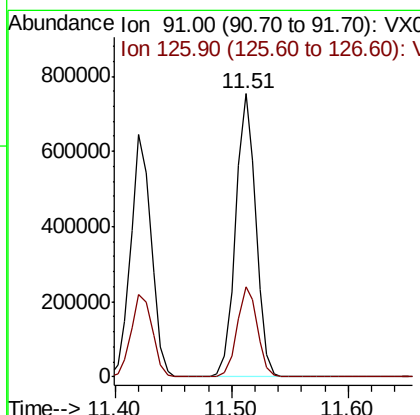
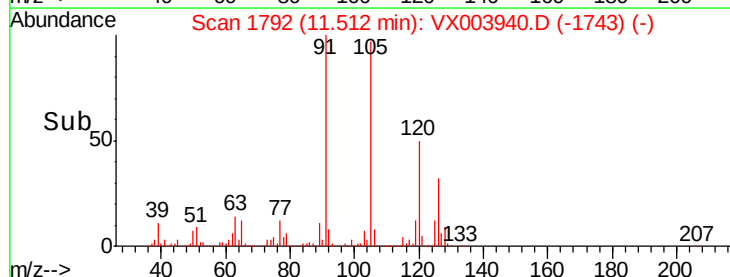
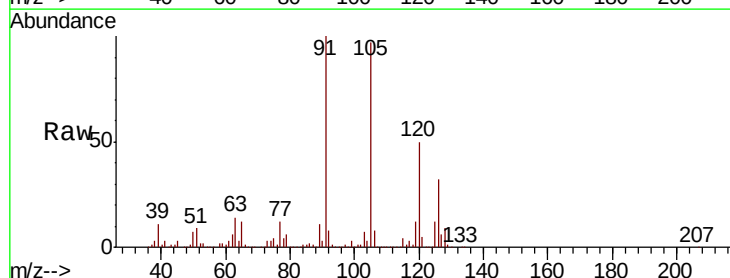
Manual Integrations
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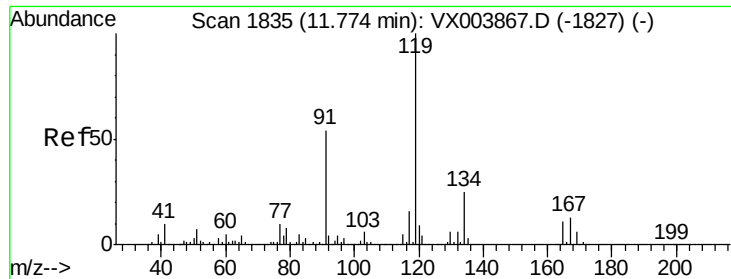
MMDadoda
8/10/2018 10:55:20 AM



#82
4-Chlorotoluene
Concen: 50.36 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.6	46.7





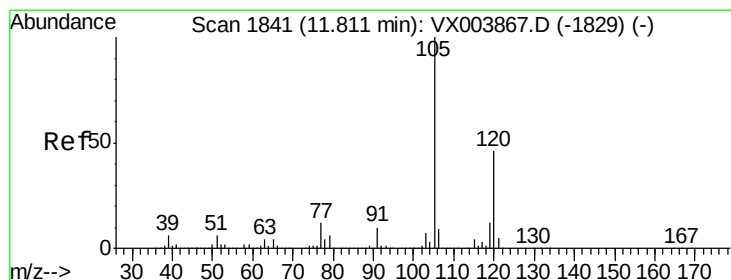
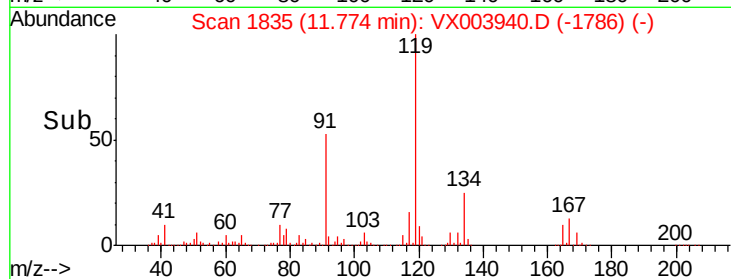
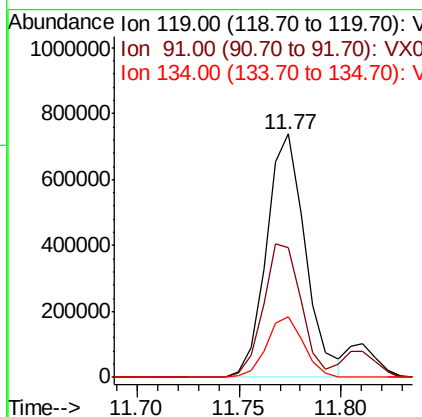
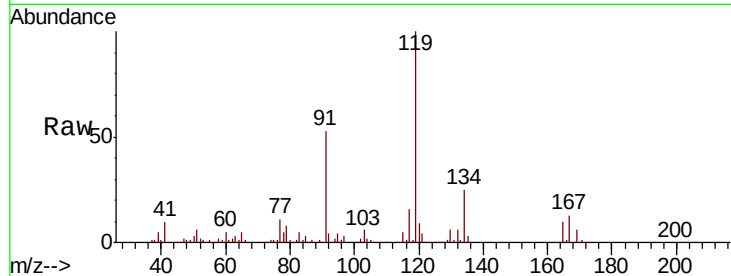
#83
 tert-Butylbenzene
 Concen: 54.10 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	53.6	26.9	80.7
134	23.9	12.0	36.0

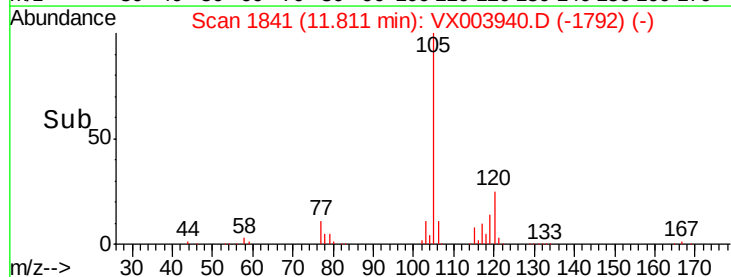
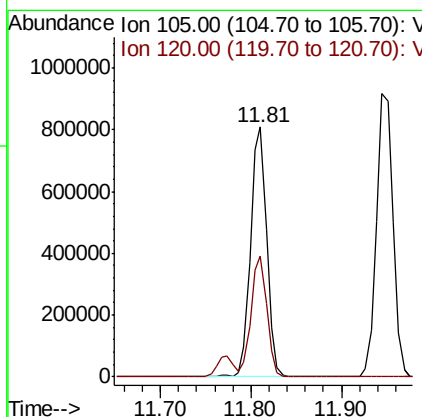
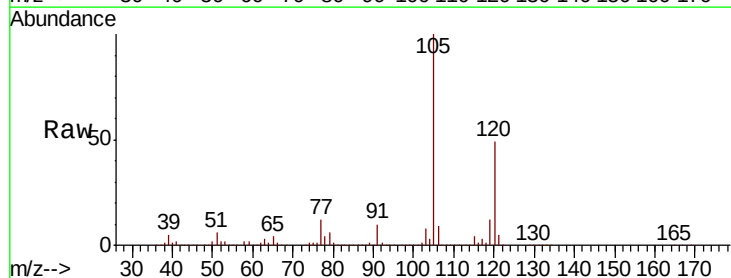
Manual Integrations
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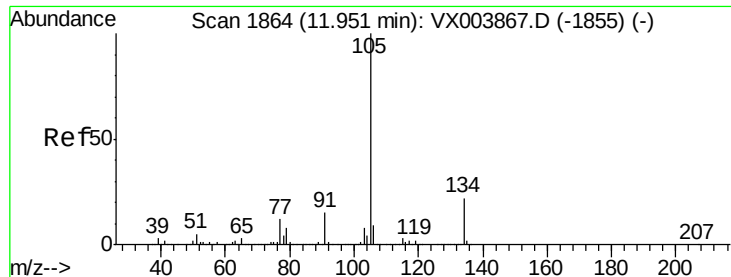
MMDadoda
 8/10/2018 10:55:20 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.78 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.1	69.2





#85

sec-Butylbenzene

Concen: 54.16 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1156924

Ion Ratio Lower Upper

105 100

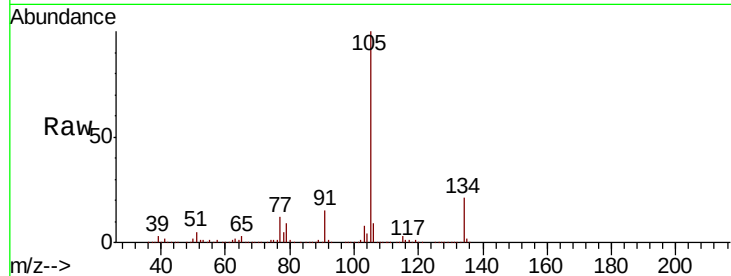
134 21.3 10.3 30.9

Manual Integrations

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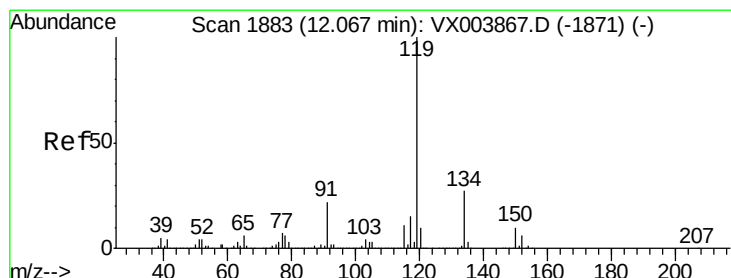
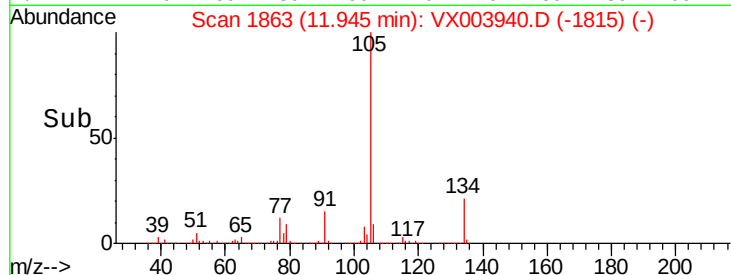
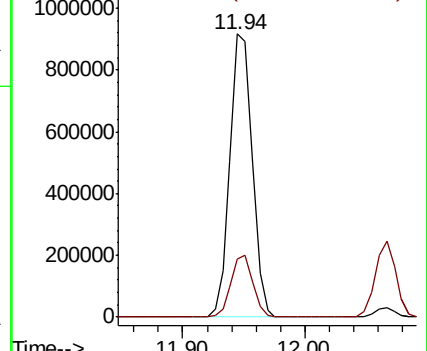
MMDadoda

8/10/2018 10:55:20 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.74 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

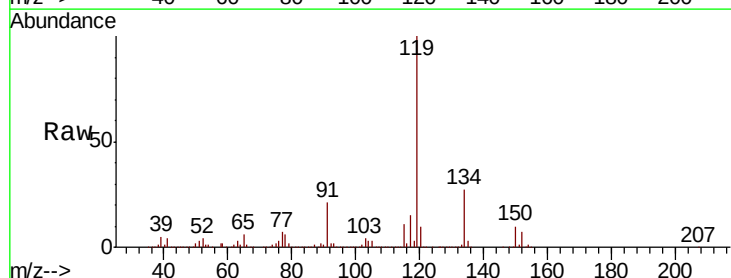
Tgt Ion:119 Resp: 1068399

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

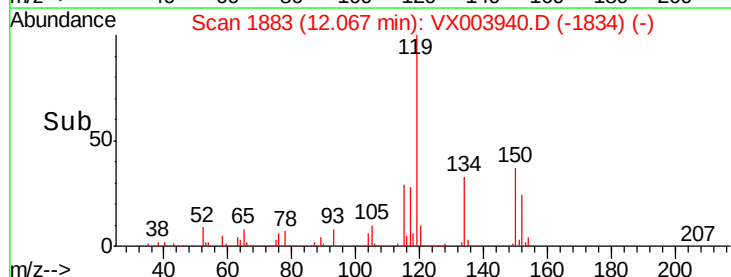
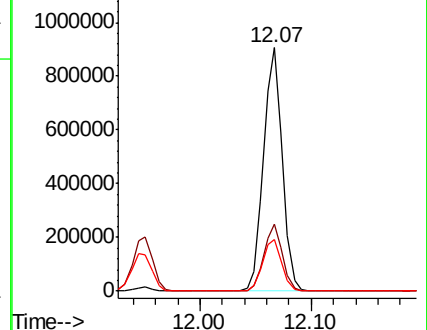
91 21.6 10.9 32.7

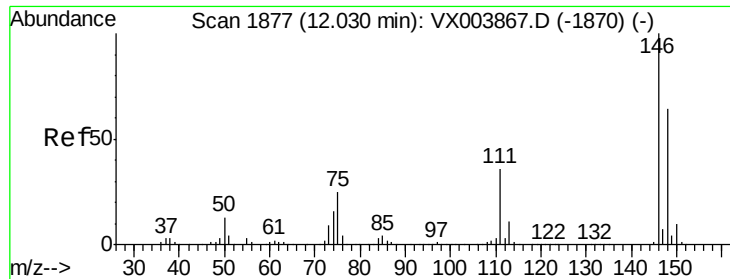


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





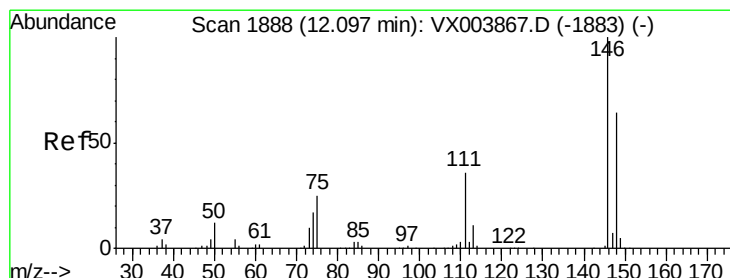
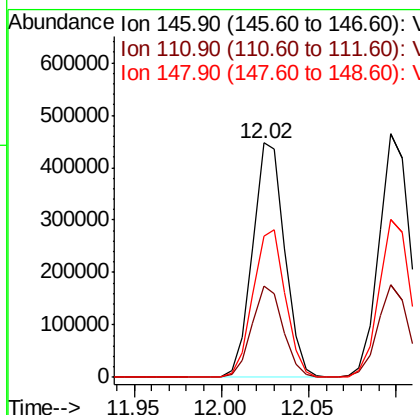
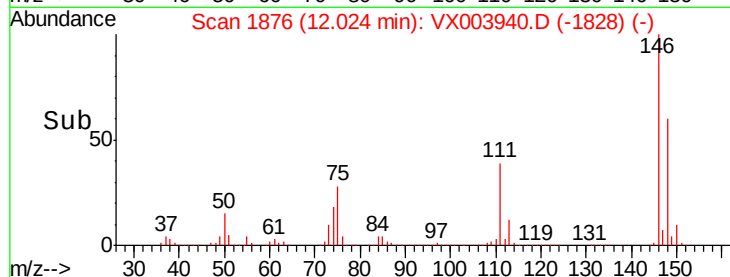
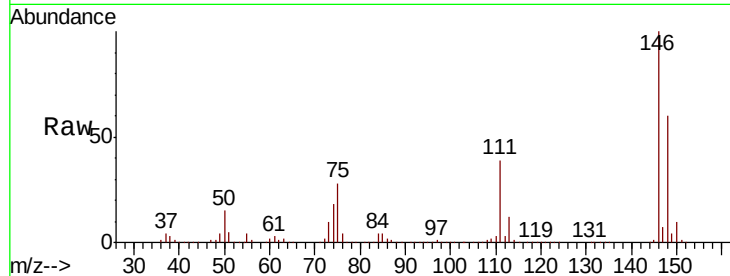
#87
 1,3-Dichlorobenzene
 Concen: 51.41 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.01 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.4
148	63.3	31.9	95.5

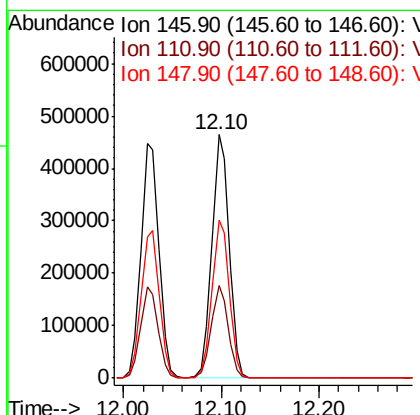
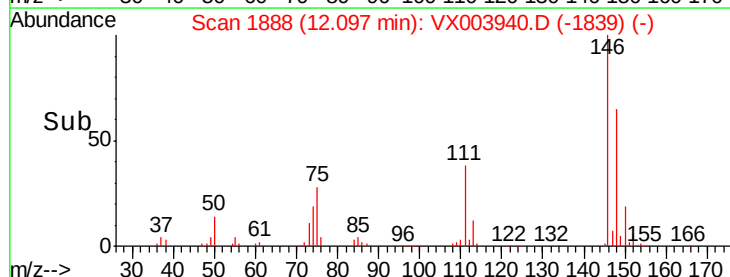
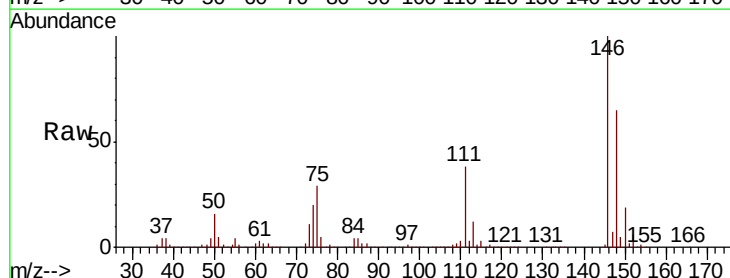
Manual Integrations
 APPROVED

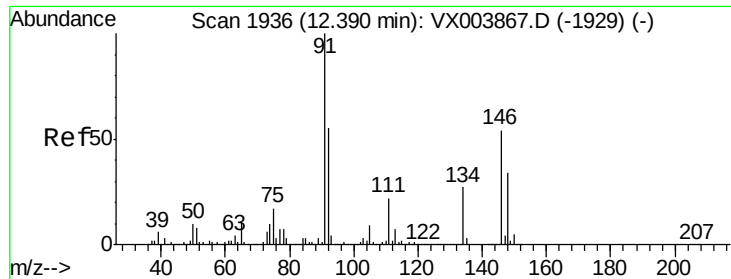
MMDadoda
 8/10/2018 10:55:20 AM



#88
 1,4-Dichlorobenzene
 Concen: 53.28 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.4	55.0
148	65.1	32.3	96.8





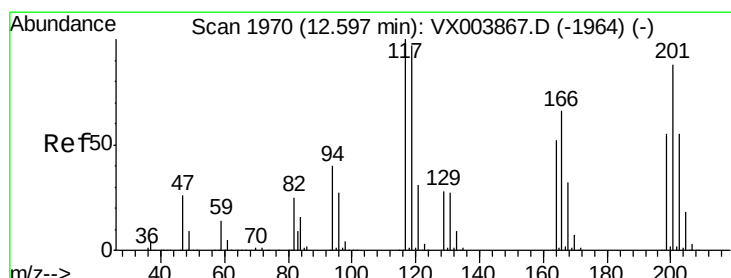
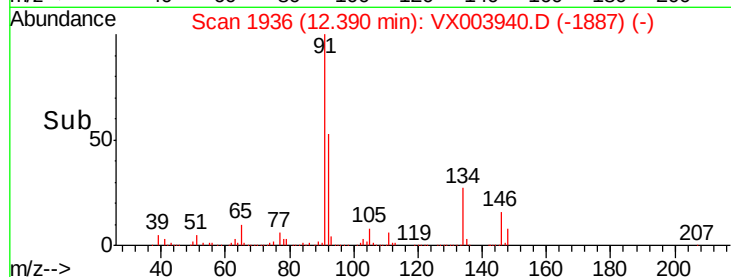
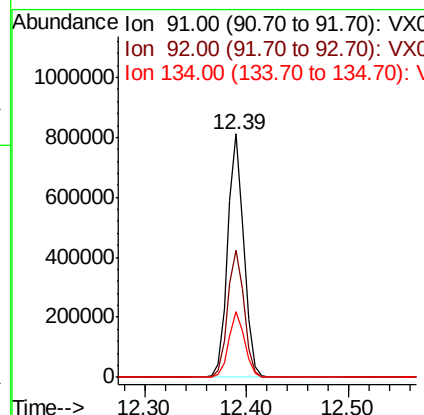
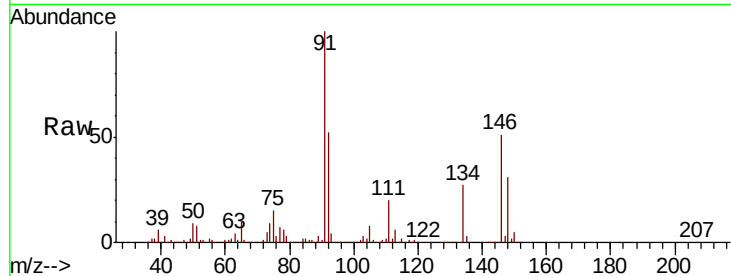
#89
n-Butylbenzene
Concen: 53.29 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.1	81.3
134	26.7	13.6	40.7

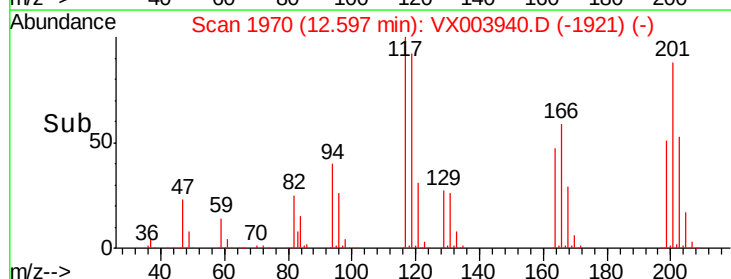
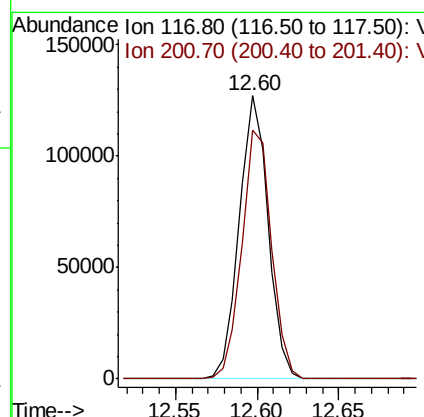
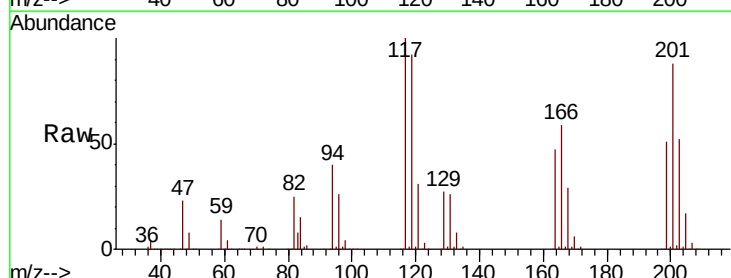
Manual Integrations
APPROVED

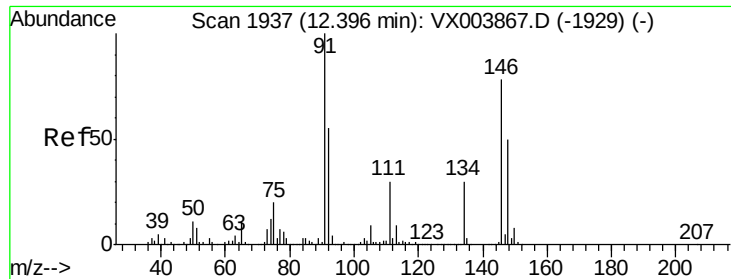
MMDadoda
8/10/2018 10:55:20 AM



#90
Hexachloroethane
Concen: 50.42 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.4	46.1	138.2





#91

1,2-Dichlorobenzene

Concen: 48.48 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Instrument :

MSVOA_X

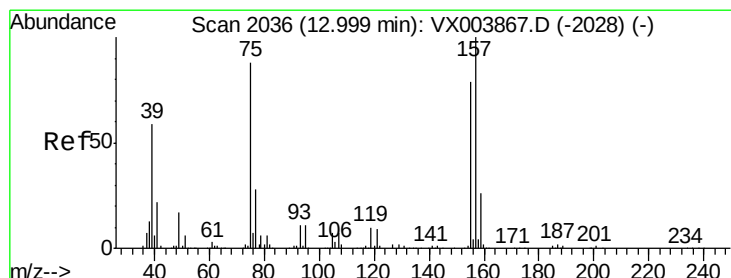
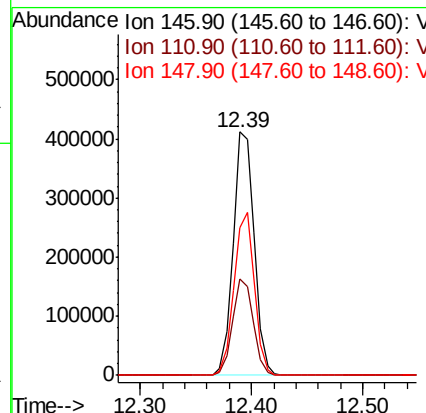
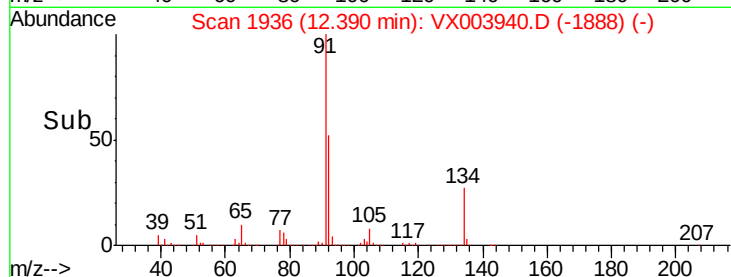
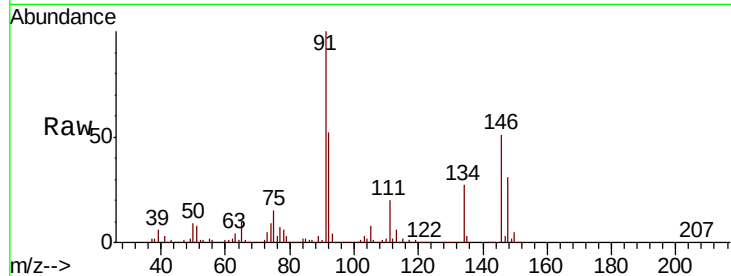
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	65.3	31.9	95.5

Manual Integrations
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MMDadoda
8/10/2018 10:55:20 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.46 ug/l

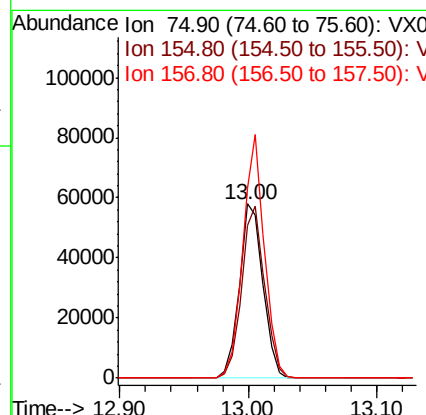
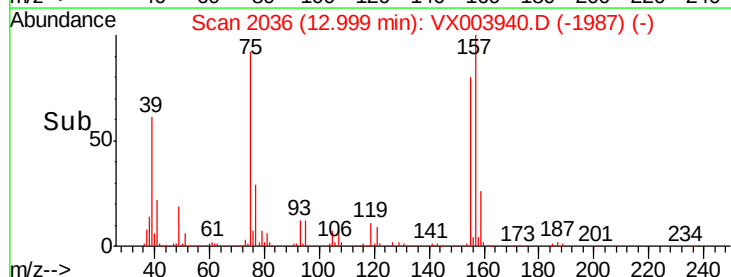
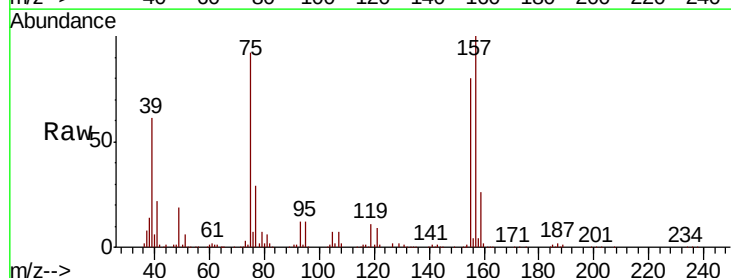
RT: 13.00 min Scan# 2036

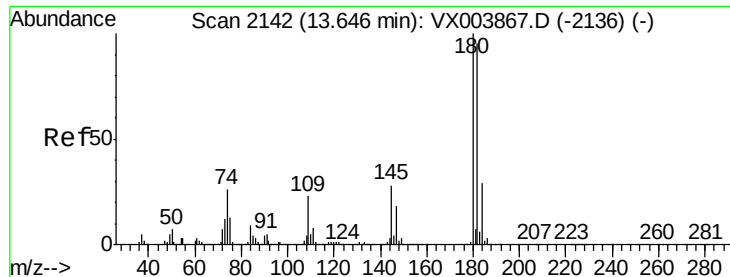
Delta R.T. 0.00 min

Lab File: VX003940.D

Acq: 09 Aug 2018 10:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.2	48.7	146.1
157	127.3	62.6	187.8





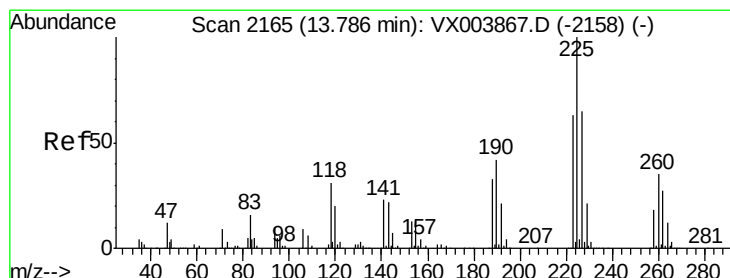
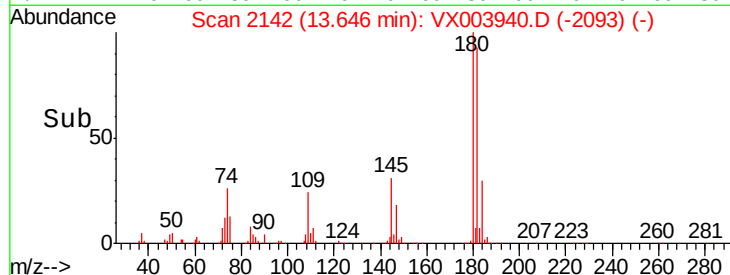
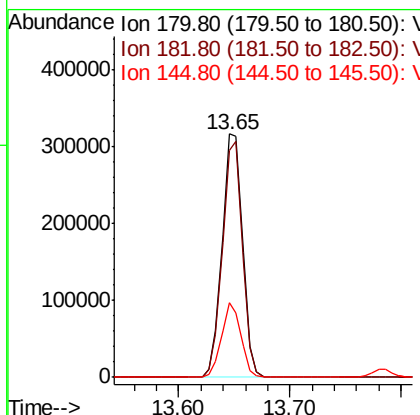
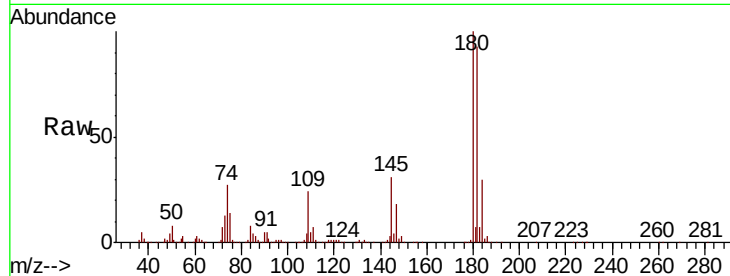
#93
 1,2,4-Trichlorobenzene
 Concen: 50.65 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	401712		
182	94.6	47.7	143.1	
145	29.1	13.9	41.6	

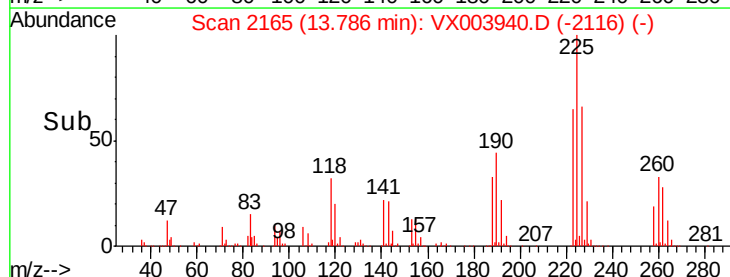
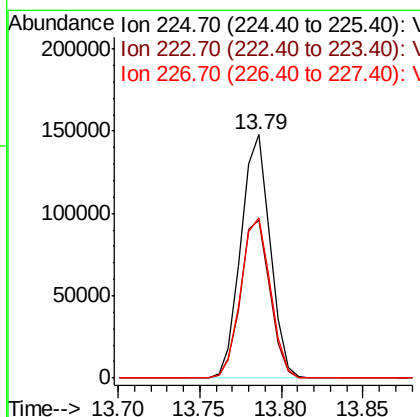
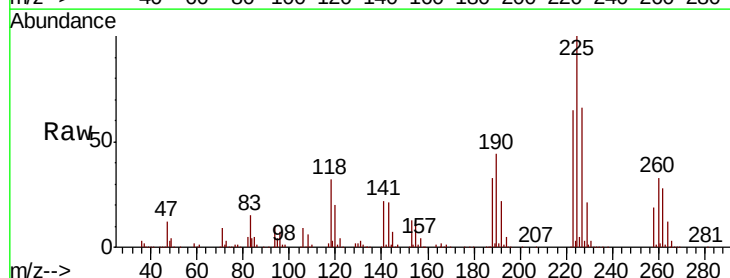
Manual Integrations
 APPROVED

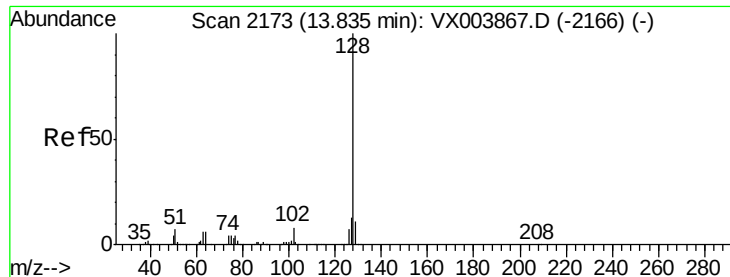
MMDadoda
 8/10/2018 10:55:20 AM



#94
 Hexachlorobutadiene
 Concen: 52.94 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003940.D
 Acq: 09 Aug 2018 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	185351		
223	64.8	31.4	94.0	
227	66.6	32.1	96.5	





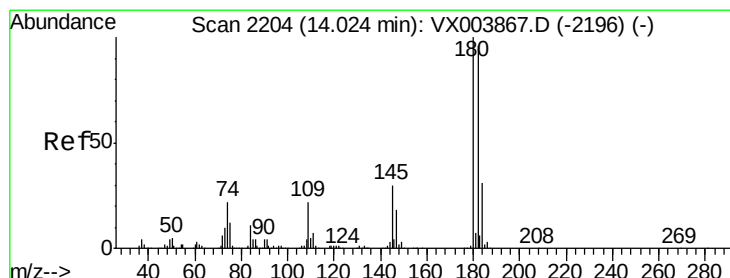
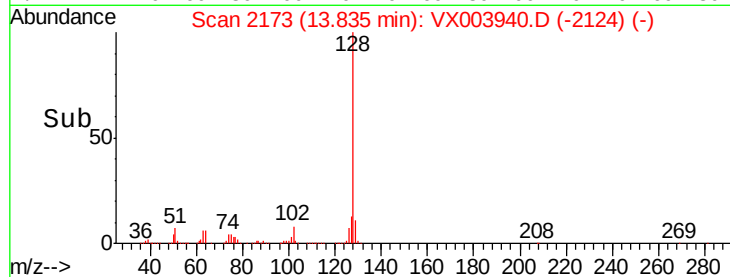
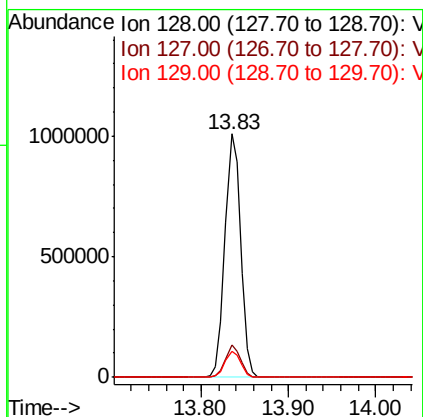
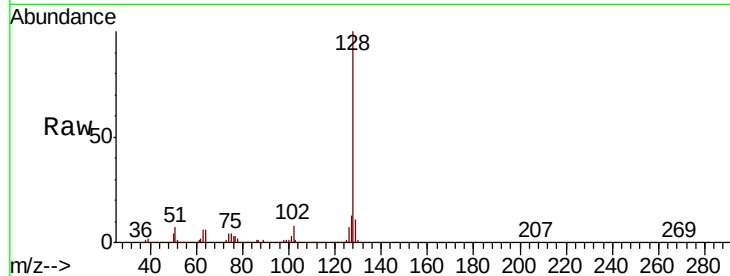
#95
Naphthalene
Concen: 54.89 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/10/2018 10:55:20 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.04 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003940.D
Acq: 09 Aug 2018 10:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.1	144.4
145	29.6	14.9	44.7

