

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080618\
 Data File : VX003870.D
 Acq On : 06 Aug 2018 19:07
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX080618

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 1:13:14 PM

Quant Time: Aug 07 07:52:50 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	368698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	535502	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	483212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	277224	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	232832	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
35) Dibromofluoromethane	5.50	113	199436	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
50) Toluene-d8	8.72	98	781933	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
62) 4-Bromofluorobenzene	11.14	95	269127	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	188441	50.43	ug/l	99
3) Chloromethane	1.32	50	242582	47.72	ug/l	99
4) Vinyl Chloride	1.40	62	244028	48.14	ug/l	98
5) Bromomethane	1.64	94	145674	55.42	ug/l	100
6) Chloroethane	1.71	64	170528	52.58	ug/l	98
7) Trichlorofluoromethane	1.92	101	323688	48.36	ug/l	98
8) Diethyl Ether	2.19	74	145702	48.43	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	198814	47.52	ug/l	100
10) Methyl Iodide	2.51	142	258844	49.73	ug/l	100
11) Tert butyl alcohol	3.08	59	296217	252.22	ug/l	100
12) 1,1-Dichloroethene	2.37	96	192423	48.62	ug/l	99
13) Acrolein	2.29	56	146077	241.76	ug/l	100
14) Allyl chloride	2.73	41	372864	48.88	ug/l	100
15) Acrylonitrile	3.15	53	677571	241.78	ug/l	100
16) Acetone	2.45	43	674027	231.81	ug/l	99
17) Carbon Disulfide	2.56	76	556852	49.65	ug/l	99
18) Methyl Acetate	2.78	43	305432	48.24	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	695993	49.63	ug/l	99
20) Methylene Chloride	2.86	84	225496	49.18	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	212429	47.28	ug/l	100
22) Diisopropyl ether	3.87	45	677366	48.31	ug/l	100
23) Vinyl Acetate	3.82	43	2901921	248.72	ug/l	99
24) 1,1-Dichloroethane	3.70	63	398857	47.88	ug/l	100
25) 2-Butanone	4.71	43	1080115	247.07	ug/l	100
26) 1,2-Dichloropropane	4.58	77	273795	45.58	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	237108	48.64	ug/l	98
28) Bromochloromethane	5.02	49	173607	48.70	ug/l	99
29) Tetrahydrofuran	5.17	42	558408	248.52	ug/l	100
30) Chloroform	5.21	83	379162	48.35	ug/l	100
31) Cyclohexane	5.57	56	349177	49.57	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	326403	49.64	ug/l	100
36) 1,1-Dichloropropene	5.80	75	289216	48.22	ug/l	99
37) Ethyl Acetate	4.87	43	328408	49.78	ug/l	99
38) Carbon Tetrachloride	5.78	117	283340	49.64	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	355842	50.32	ug/l	98
40) Benzene	6.15	78	880111	48.87	ug/l	99
41) Methacrylonitrile	5.06	41	182674	50.27	ug/l	99
42) 1,2-Dichloroethane	6.20	62	296120	48.63	ug/l	99
43) Isopropyl Acetate	6.47	43	503238	50.69	ug/l	100
44) Trichloroethene	7.21	130	240736	48.88	ug/l	93
45) 1,2-Dichloropropane	7.52	63	225144	48.41	ug/l	97
46) Dibromomethane	7.67	93	146392	48.48	ug/l	99
47) Bromodichloromethane	7.90	83	284228	49.97	ug/l	100
48) Methyl methacrylate	7.78	41	262787	52.07	ug/l	99
49) 1,4-Dioxane	7.76	88	123729	1040.71	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	2131985	259.07	ug/l	100
52) Toluene	8.79	92	569981	50.09	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	331649	51.58	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	357480	51.57	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	229209	49.29	ug/l	99
56) Ethyl methacrylate	9.18	69	355389	52.68	ug/l	100
57) 1,3-Dichloropropane	9.37	76	389479	50.05	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	887787	267.60	ug/l	100
59) 2-Hexanone	9.50	43	1599305	259.99	ug/l	100
60) Dibromochloromethane	9.59	129	220206	50.79	ug/l	98
61) 1,2-Dibromoethane	9.68	107	237055	50.92	ug/l	96
64) Tetrachloroethene	9.34	164	225916	47.53	ug/l	96
65) Chlorobenzene	10.14	112	605280	48.14	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	210571	48.72	ug/l	96
67) Ethyl Benzene	10.26	91	1029668	50.03	ug/l	99
68) m/p-Xylenes	10.36	106	826024	102.71	ug/l	96
69) o-Xylene	10.70	106	402018	52.95	ug/l	97
70) Styrene	10.71	104	659519	53.06	ug/l	99
71) Bromoform	10.86	173	171146	46.89	ug/l	98
73) Isopropylbenzene	11.02	105	1048707	51.14	ug/l	99
74) N-amyl acetate	6.47	43	503238	47.19	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	339920	48.36	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	298684m	48.78	ug/l	
77) Bromobenzene	11.26	156	274689	50.21	ug/l	97
78) n-propylbenzene	11.36	91	1202993	52.24	ug/l	98
79) 2-Chlorotoluene	11.42	91	714924	50.92	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	867915	51.90	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	105693	47.09	ug/l	93
82) 4-Chlorotoluene	11.51	91	859713	52.26	ug/l	99
83) tert-Butylbenzene	11.77	119	849380	51.63	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	894804	53.22	ug/l	98
85) sec-Butylbenzene	11.95	105	983618	50.66	ug/l	100
86) p-Isopropyltoluene	12.07	119	899550	51.63	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	474464	46.92	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	483424	49.85	ug/l	99
89) n-Butylbenzene	12.39	91	759541	50.03	ug/l	98
90) Hexachloroethane	12.60	117	136098	48.11	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	484576	48.34	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	70766	49.15	ug/l	99

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ClientSampleId :
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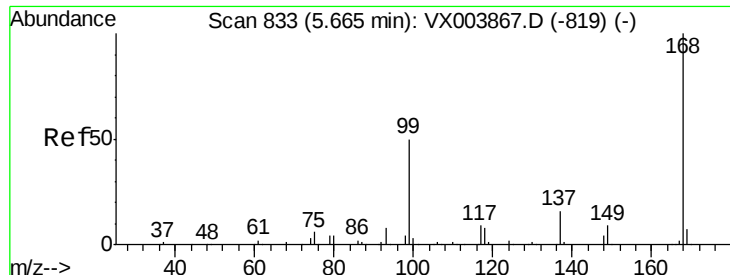
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
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QLast Update : Tue Aug 07 07:45:48 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	334650	46.42	ug/l	100
94) Hexachlorobutadiene	13.79	225	150538	47.35	ug/l	99
95) Naphthalene	13.83	128	1053375	51.01	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	343921	47.80	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

ICVVX080618

Tot Ion:168 Resp: 368698

Ion Ratio Lower Upper

168 100

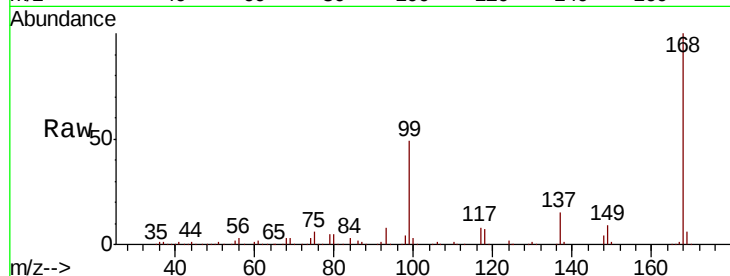
99 49.1 40.1 60.1

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

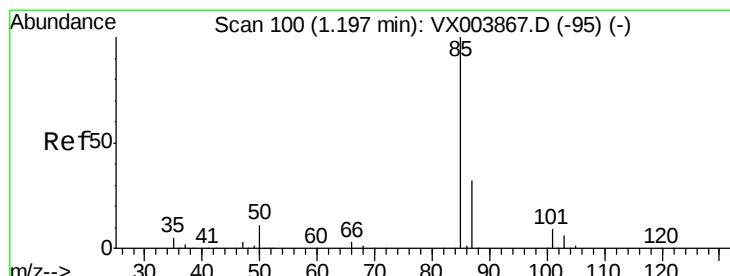
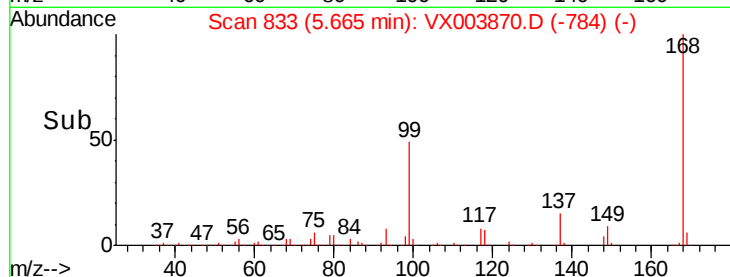
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 50.43 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003870.D

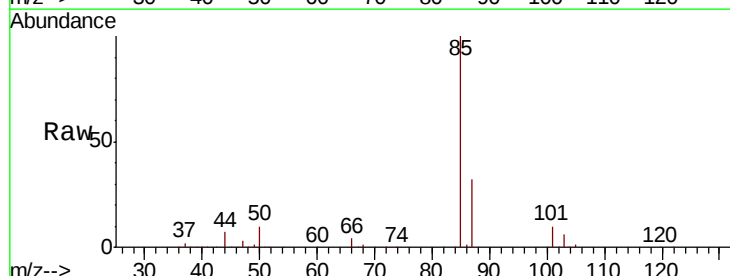
Acq: 06 Aug 2018 19:07

Tgt Ion: 85 Resp: 188441

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

150000

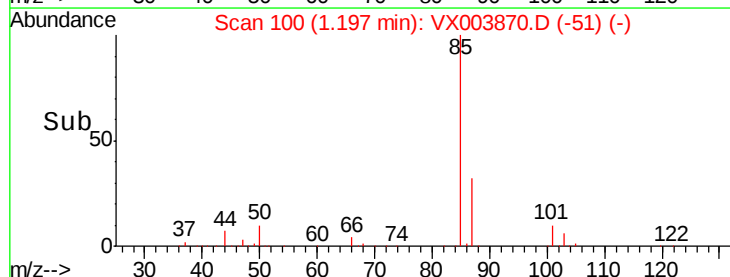
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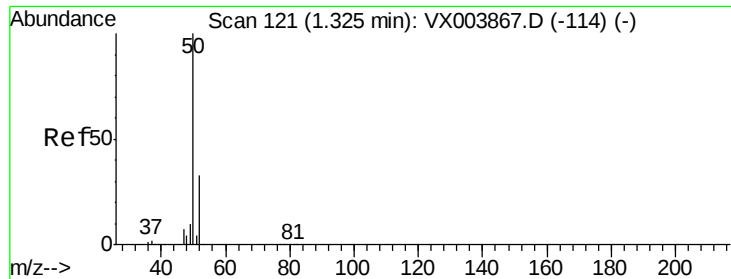
50000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 47.72 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

ICVVX080618

Tot Ion: 50 Resp: 242582

Ion Ratio Lower Upper

50 100

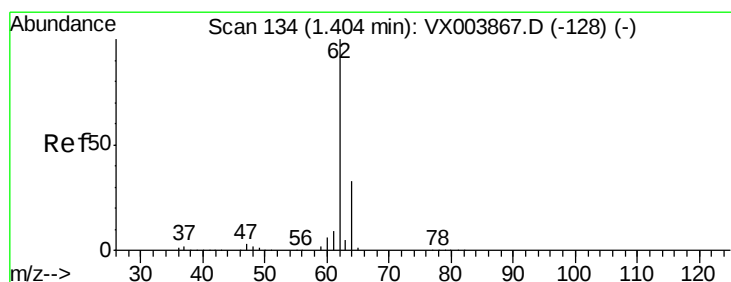
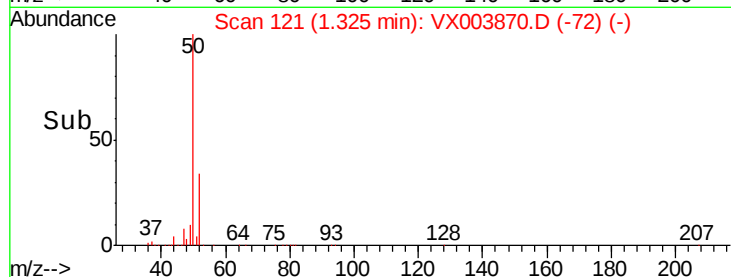
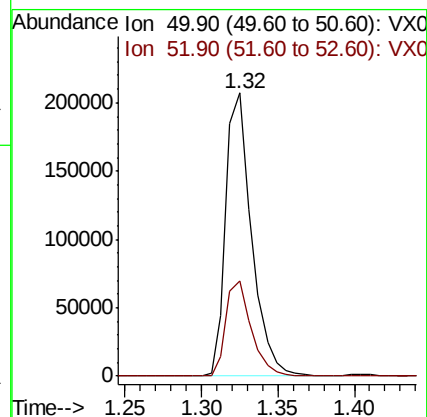
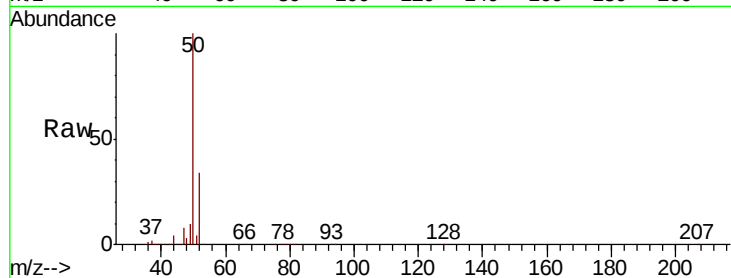
52 33.5 26.6 39.8

Manual Integrations

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8/7/2018 1:13:14 PM



#4

Vinyl Chloride

Concen: 48.14 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003870.D

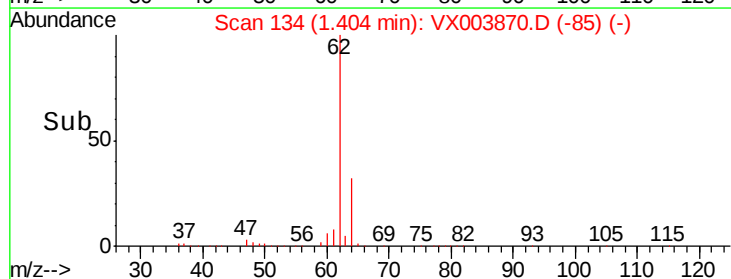
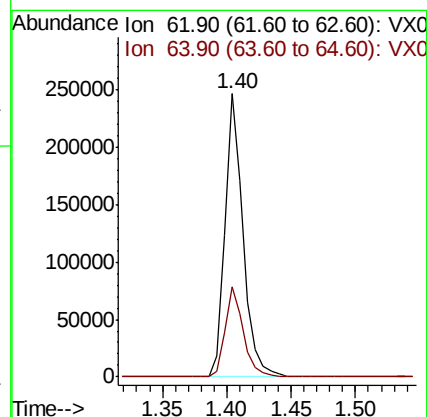
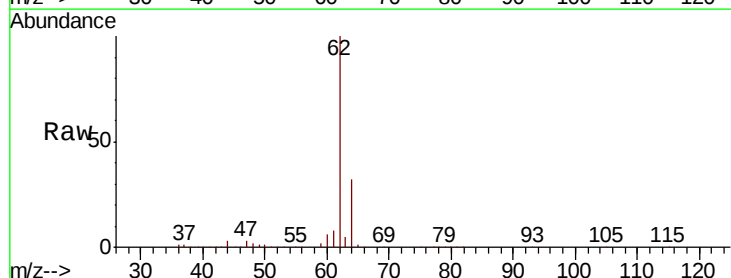
Acq: 06 Aug 2018 19:07

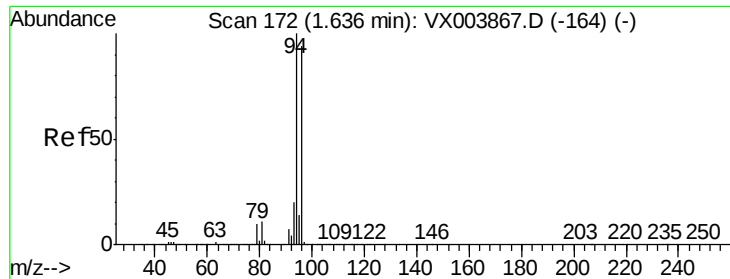
Tgt Ion: 62 Resp: 244028

Ion Ratio Lower Upper

62 100

64 31.6 26.0 39.0





#5

Bromomethane

Concen: 55.42 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Instrument :

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ClientSampleId :

ICVVX080618

Tot Ion: 94 Resp: 145674

Ion Ratio Lower Upper

94 100

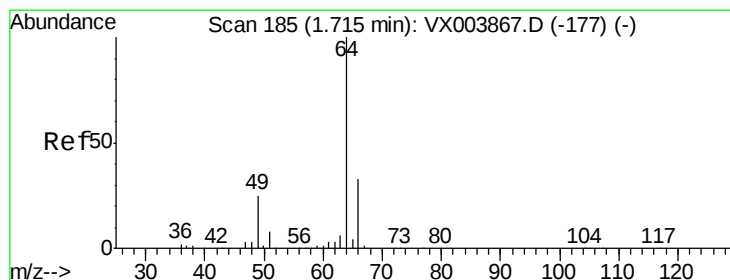
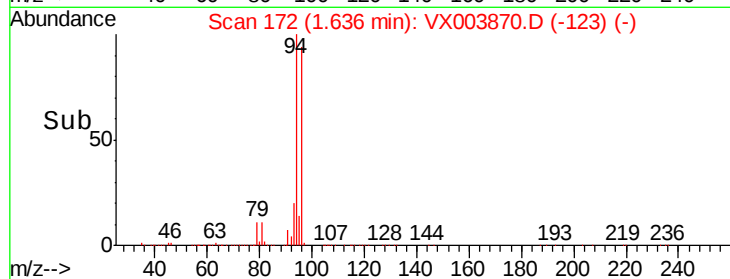
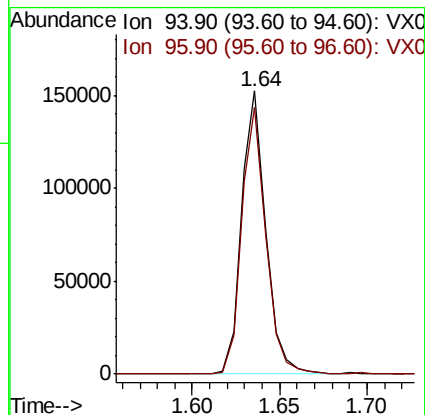
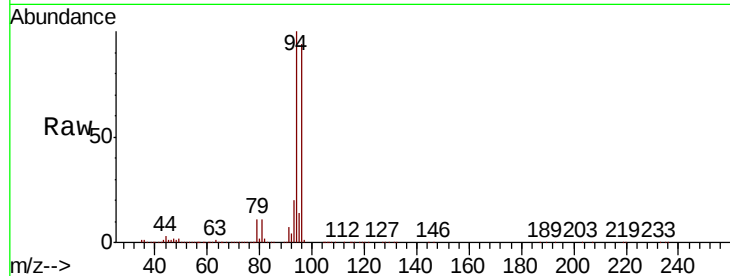
96 94.2 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 52.58 ug/l

RT: 1.71 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003870.D

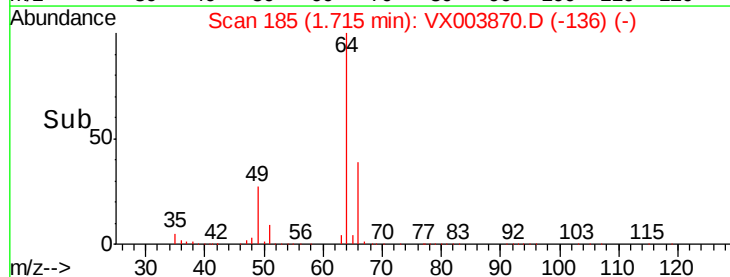
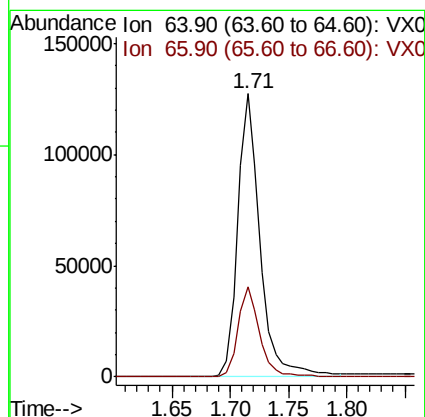
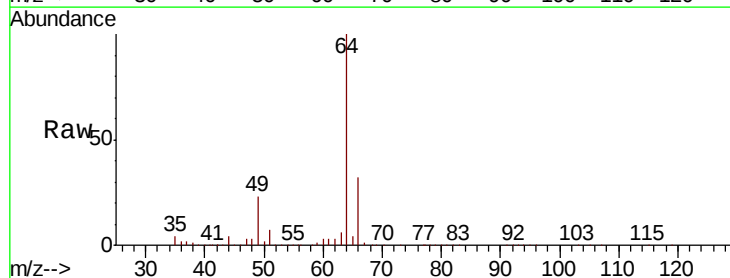
Acq: 06 Aug 2018 19:07

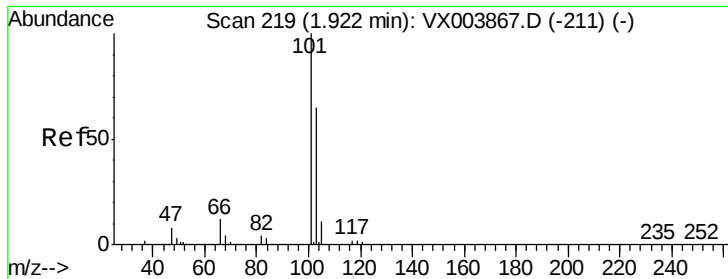
Tgt Ion: 64 Resp: 170528

Ion Ratio Lower Upper

64 100

66 31.9 26.5 39.7





#7

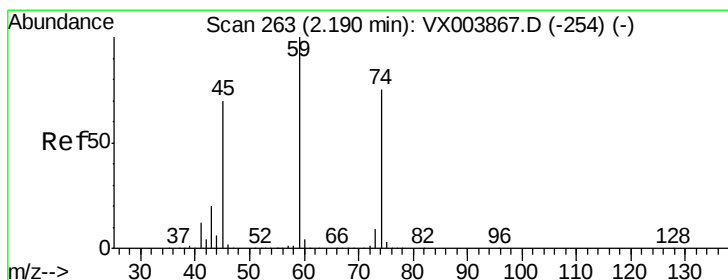
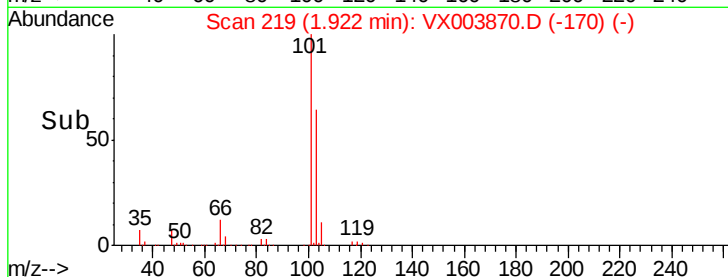
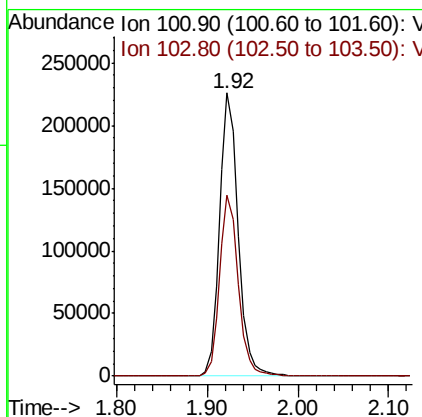
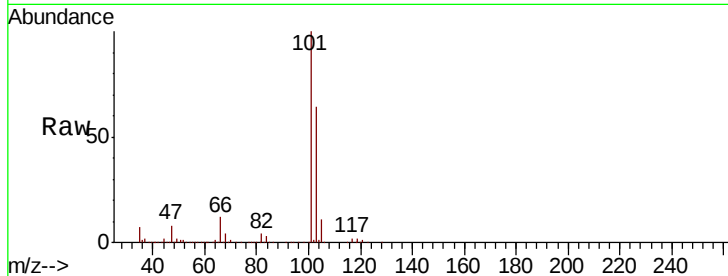
Trichlorofluoromethane
Concen: 48.36 ug/l
RT: 1.92 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Instrument :
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ClientSampleId :
ICVVX080618

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.3	78.5

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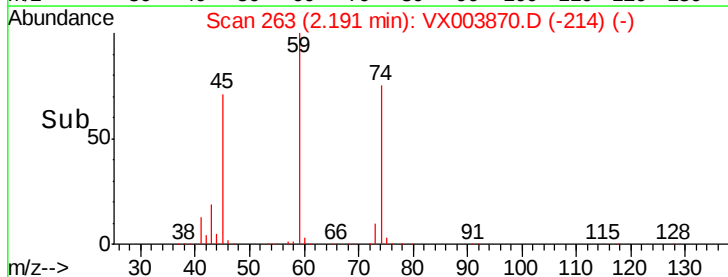
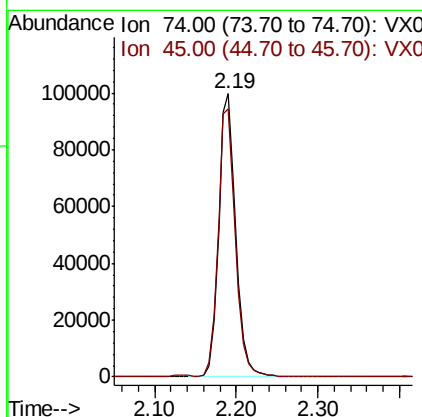
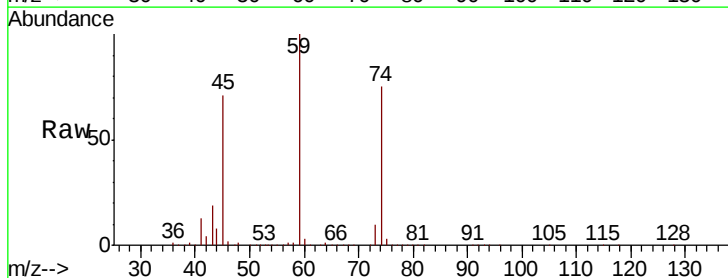
MMDadoda
8/7/2018 1:13:14 PM

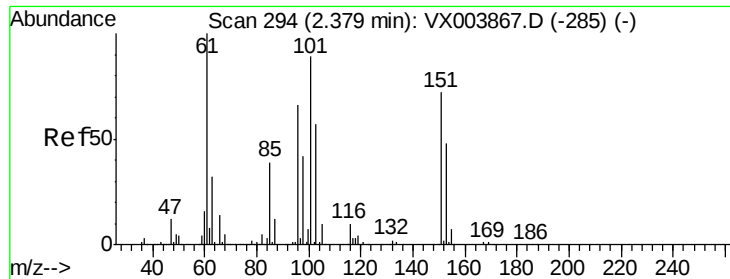


#8

Diethyl Ether
Concen: 48.43 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.0	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.52 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Instrument :

MSVOA_X

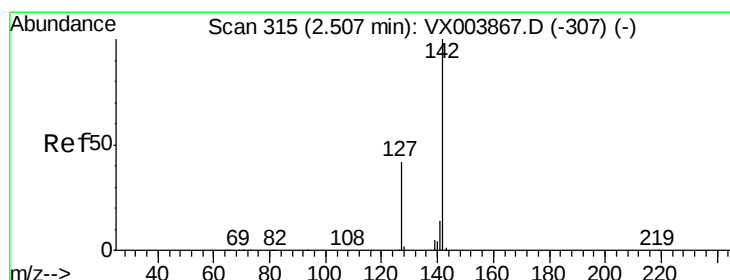
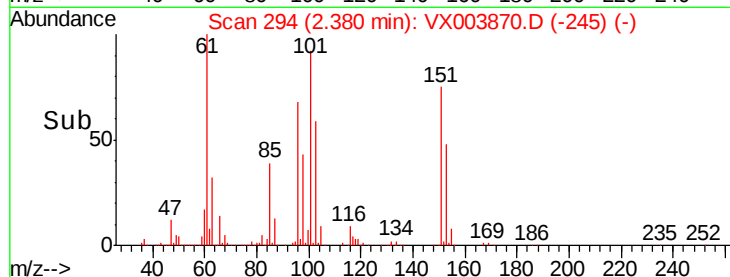
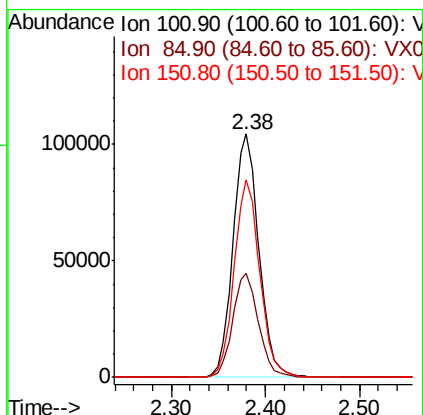
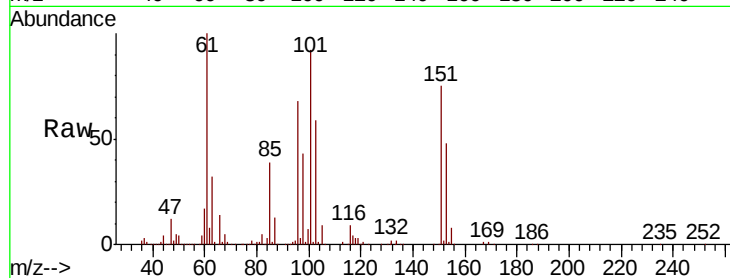
ClientSampleId :

ICVVX080618

Tot Ion:	101	Resp:	198814
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.2	51.4
151	80.8	65.0	97.4

Manual Integrations
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#10

Methyl Iodide

Concen: 49.73 ug/l

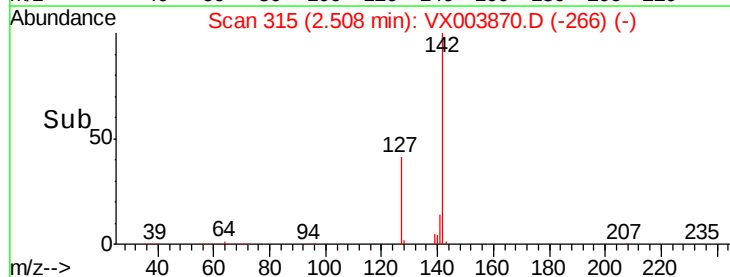
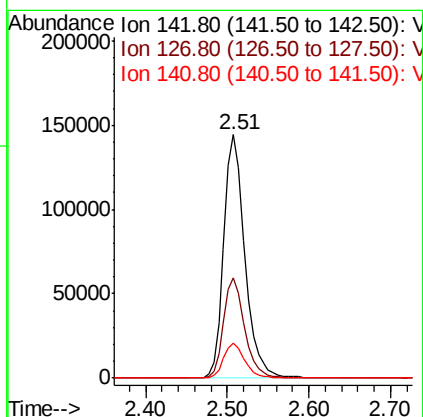
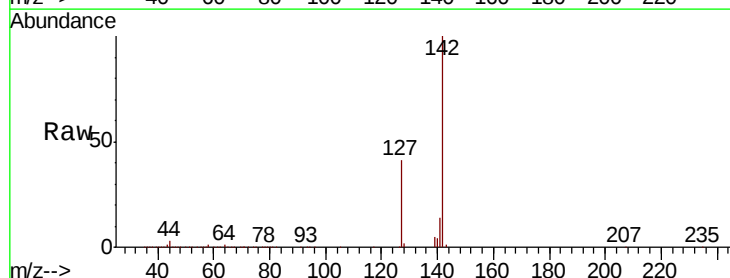
RT: 2.51 min Scan# 315

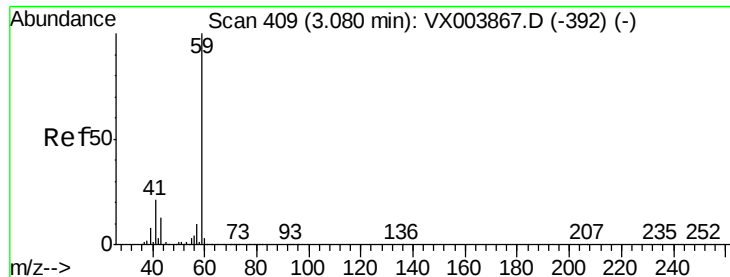
Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Tgt Ion:	142	Resp:	258844
Ion Ratio	Lower	Upper	
142	100		
127	41.3	33.1	49.7
141	14.4	11.1	16.7





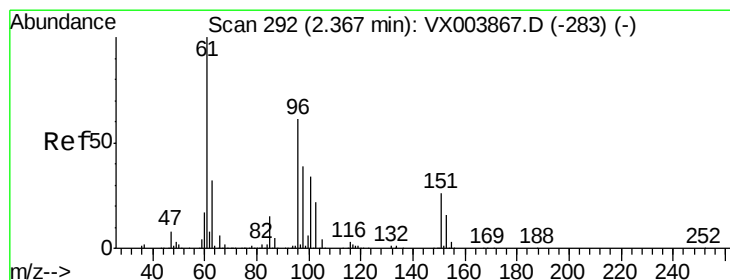
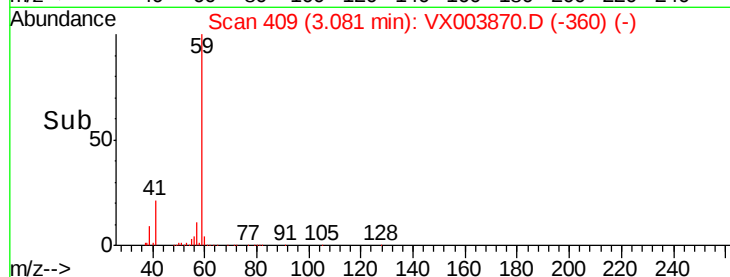
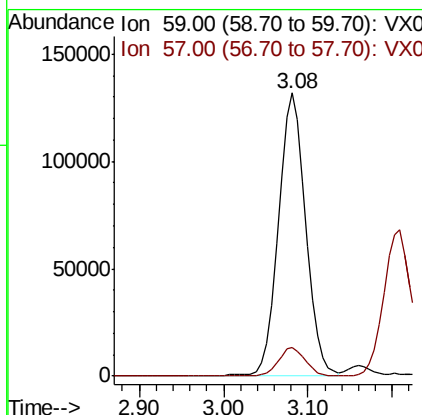
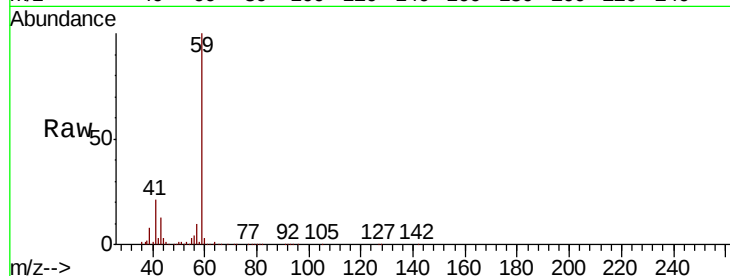
#11
Tert butyl alcohol
Concen: 252.22 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080618

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

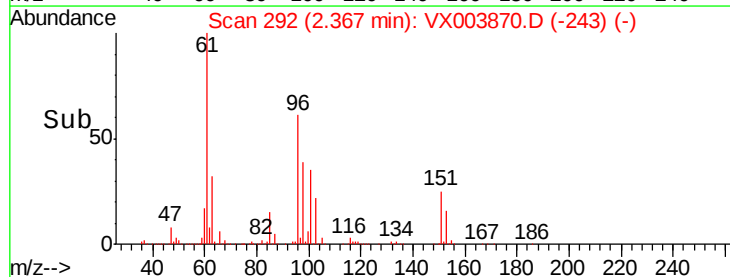
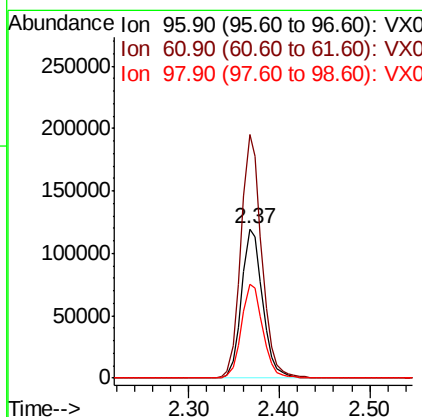
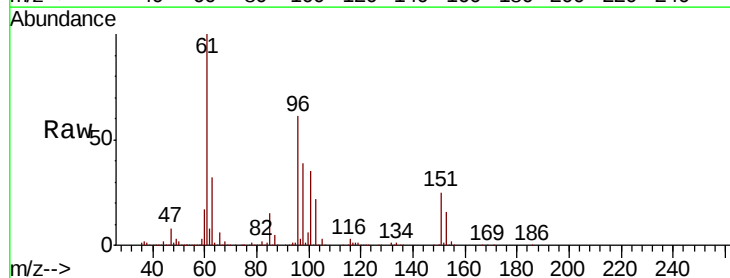
Manual Integrations
APPROVED

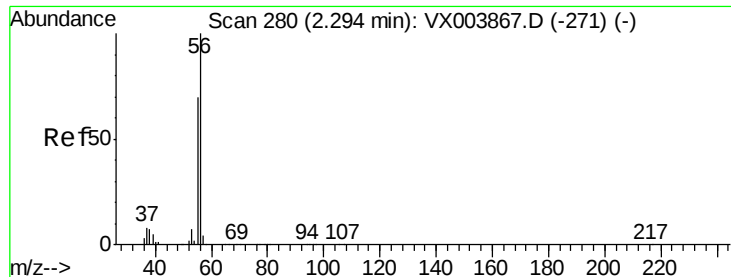
MMDadoda
8/7/2018 1:13:14 PM



#12
1,1-Dichloroethene
Concen: 48.62 ug/l
RT: 2.37 min Scan# 292
Delta R.T. 0.00 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.5	131.3	196.9
98	63.1	51.8	77.6





#13

Acrolein

Concen: 241.76 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

ICVVX080618

Tot Ion: 56 Resp: 146077

Ion Ratio Lower Upper

56 100

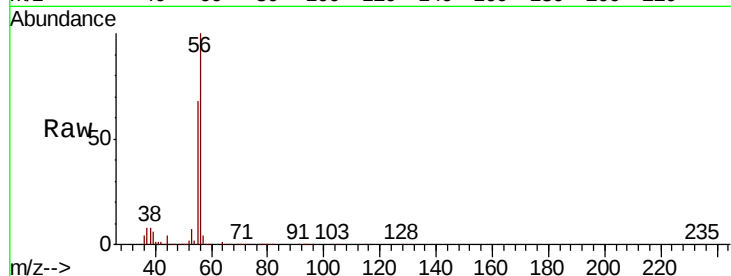
55 70.0 56.1 84.1

Manual Integrations

APPROVED

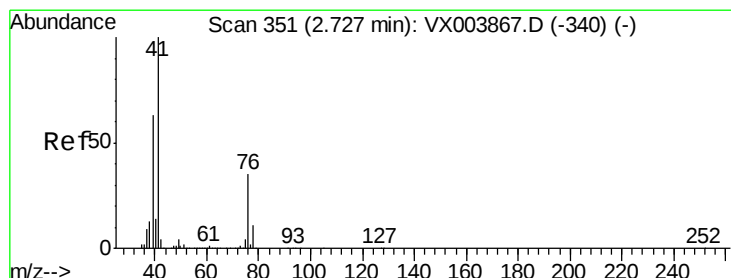
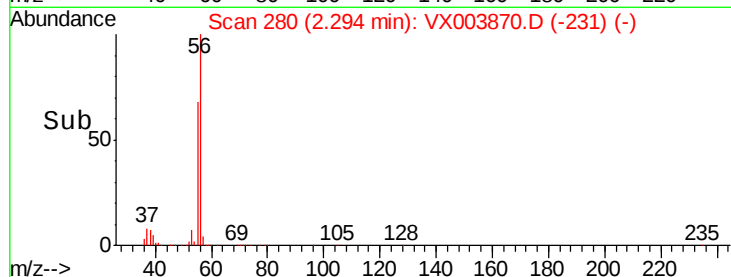
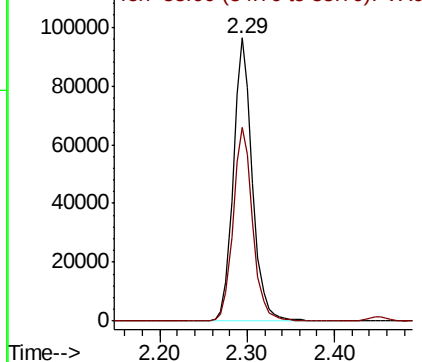
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 48.88 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

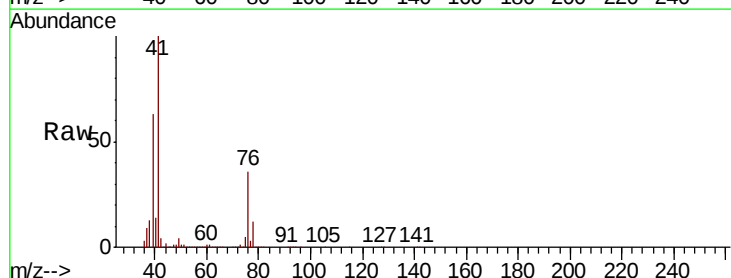
Tgt Ion: 41 Resp: 372864

Ion Ratio Lower Upper

41 100

39 59.1 47.4 71.0

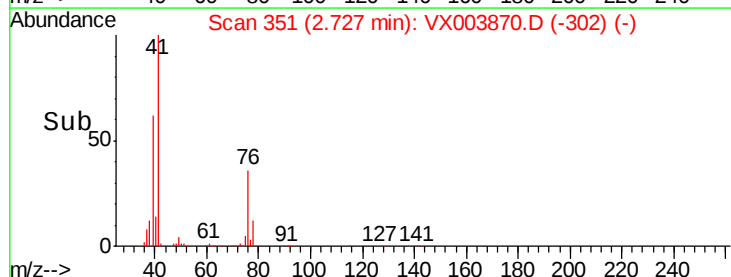
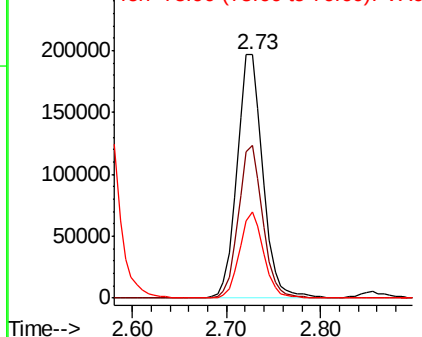
76 32.8 26.0 39.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 241.78 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Instrument :

MSVOA_X

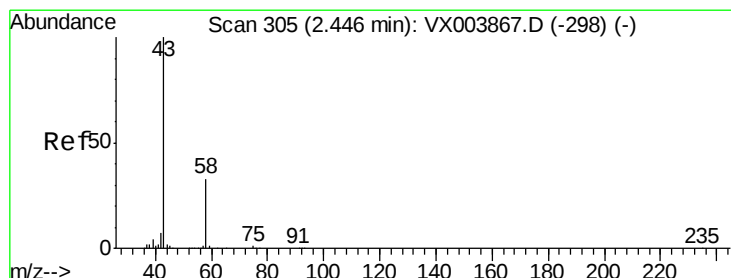
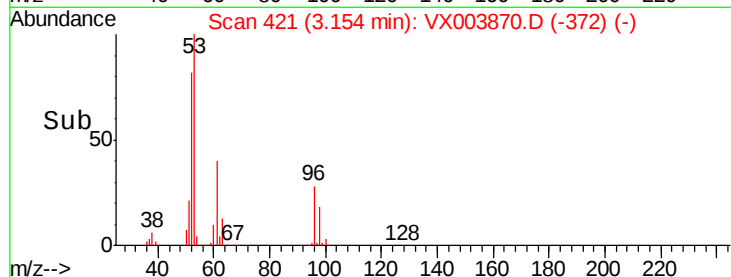
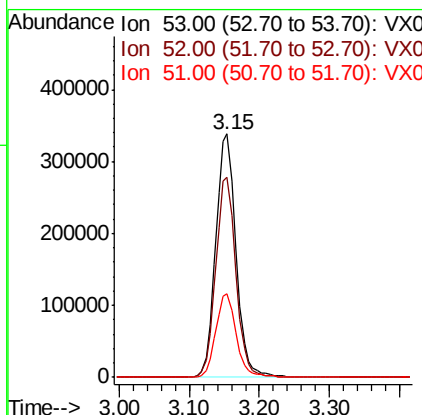
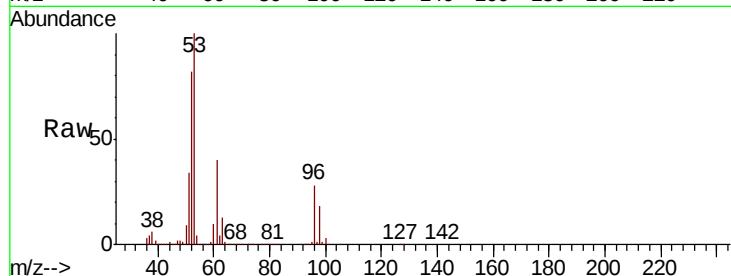
ClientSampleId :

ICVVX080618

Tot Ion:	53	Resp:	677571
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.3	97.9
51	34.8	27.9	41.9

Manual Integrations
APPROVED

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#16

Acetone

Concen: 231.81 ug/l

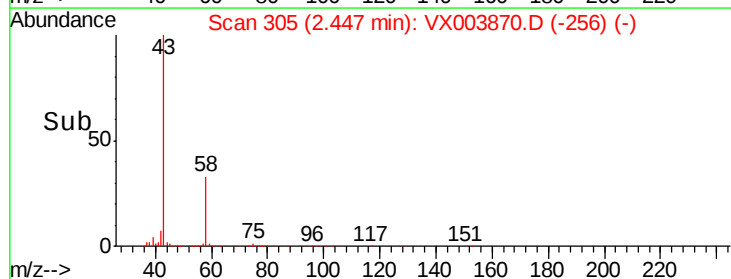
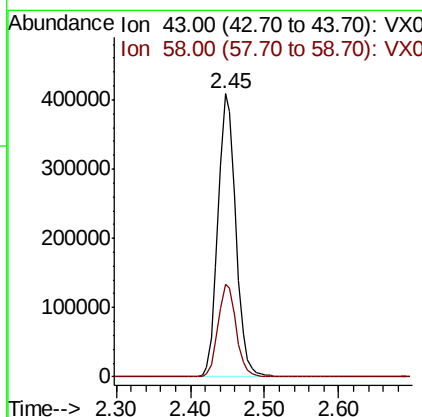
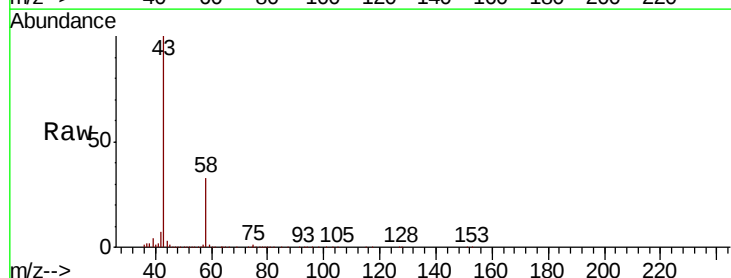
RT: 2.45 min Scan# 305

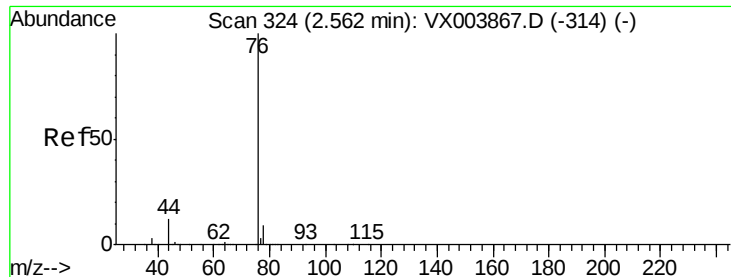
Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Tgt Ion:	43	Resp:	674027
Ion	Ratio	Lower	Upper
43	100		
58	32.7	26.4	39.6





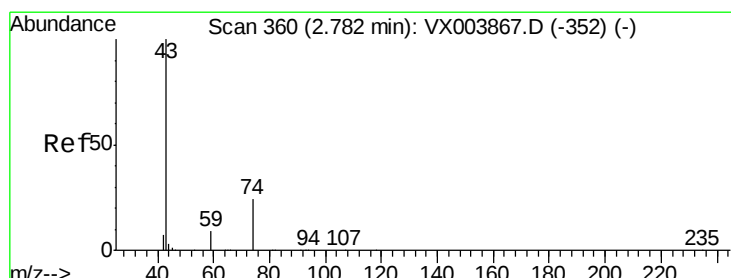
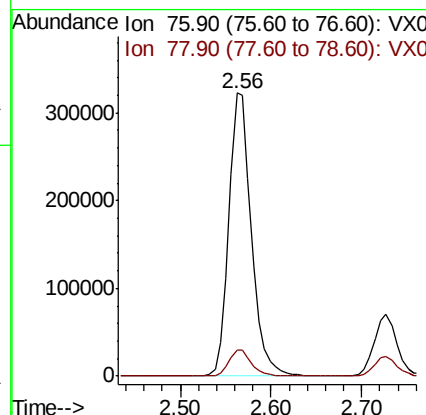
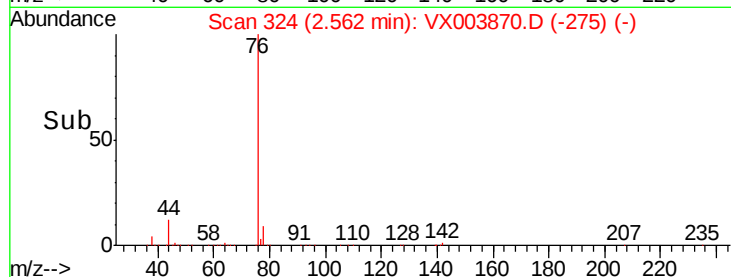
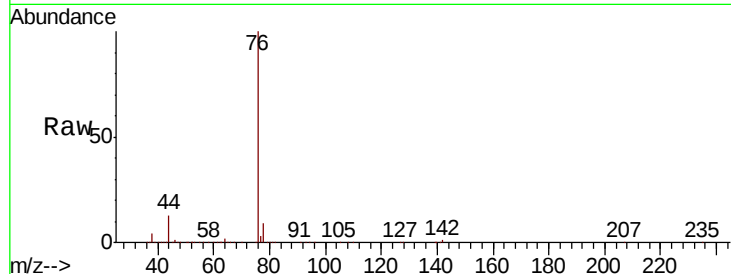
#17
Carbon Disulfide
Concen: 49.65 ug/l
RT: 2.56 min Scan# 324
Delta R.T. 0.00 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080618

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.5	11.3

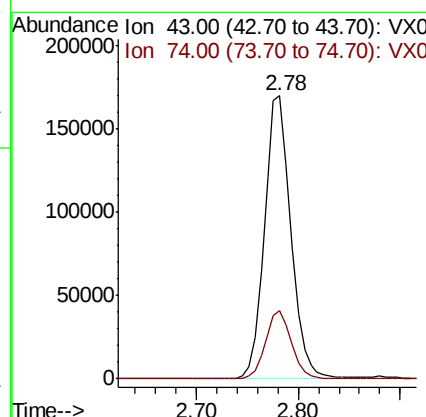
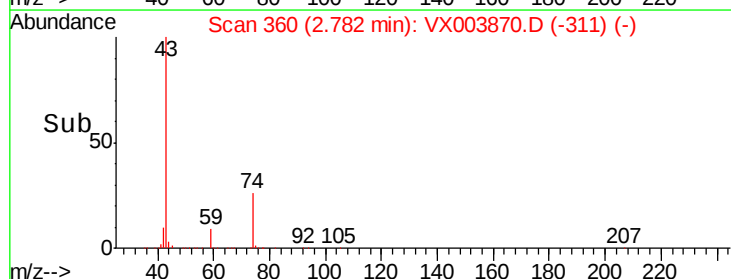
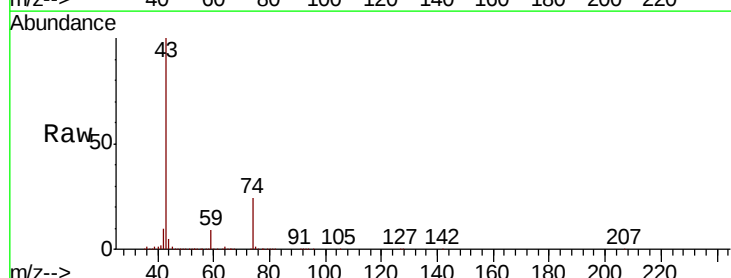
Manual Integrations
APPROVED

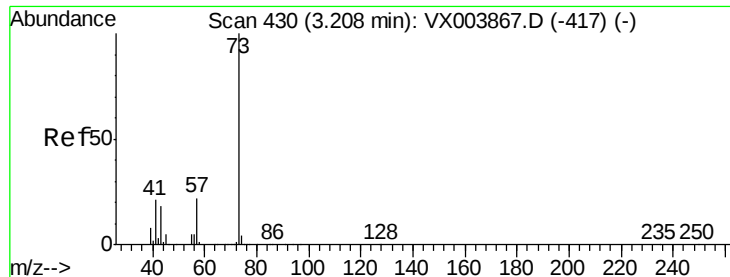
MMDadoda
8/7/2018 1:13:14 PM



#18
Methyl Acetate
Concen: 48.24 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.9	28.3





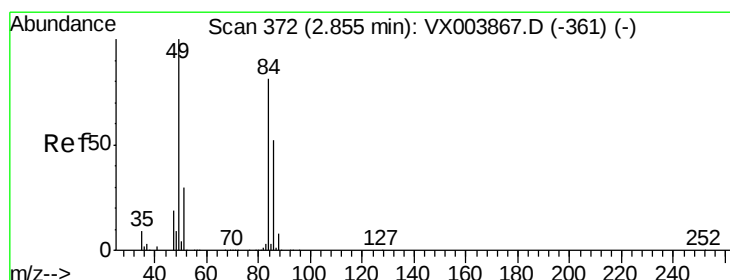
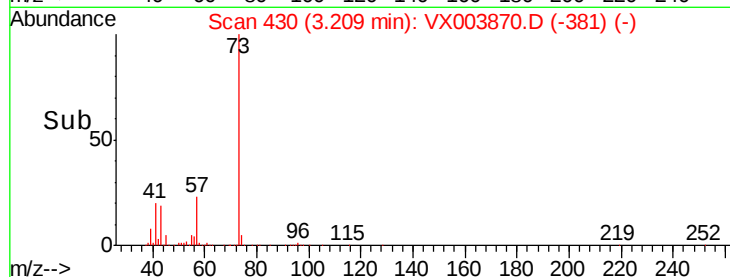
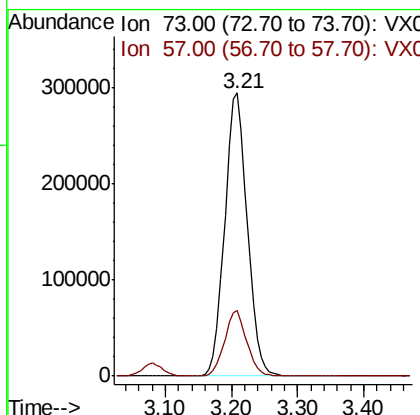
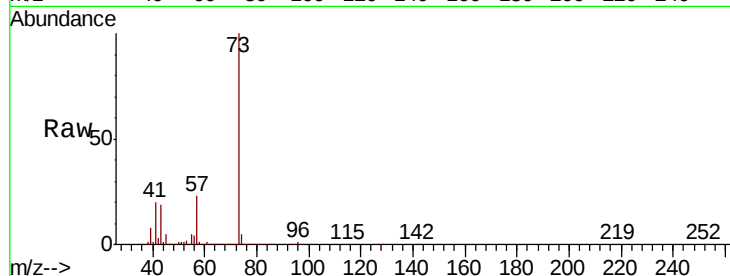
#19
Methyl tert-butyl Ether
Concen: 49.63 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080618

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.0	27.0

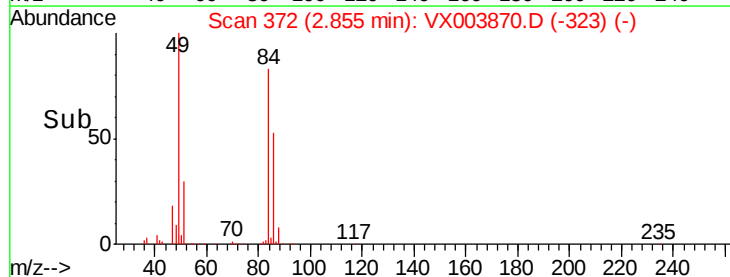
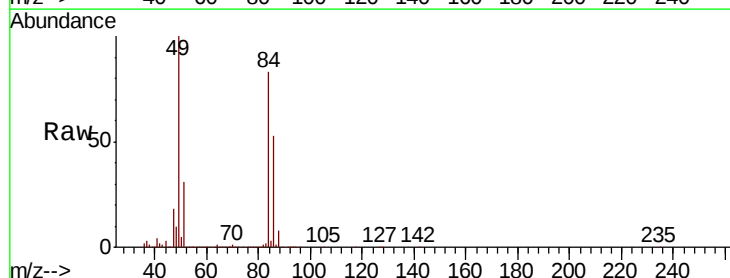
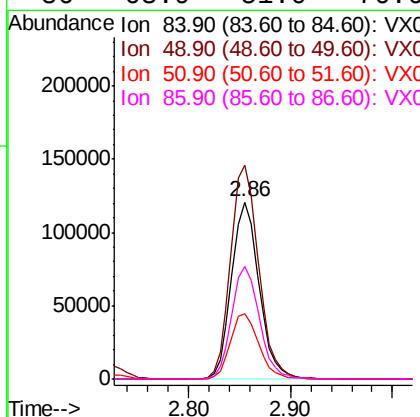
Manual Integrations
APPROVED

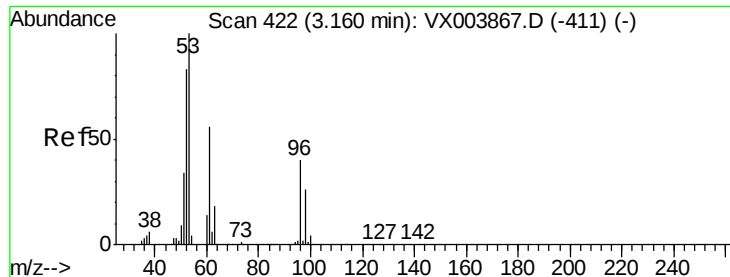
MMDadoda
8/7/2018 1:13:14 PM



#20
Methylene Chloride
Concen: 49.18 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.8	98.9	148.3
51	36.9	29.9	44.9
86	63.9	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 47.28 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Instrument :

MSVOA_X

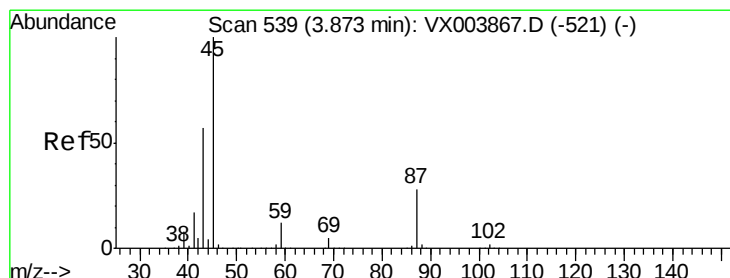
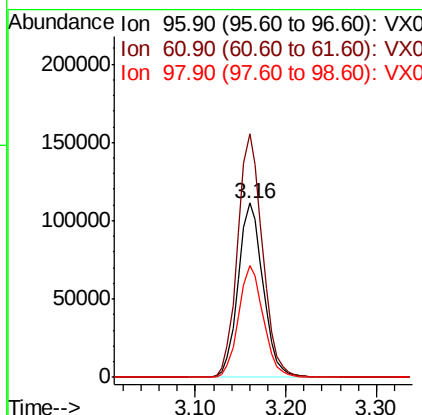
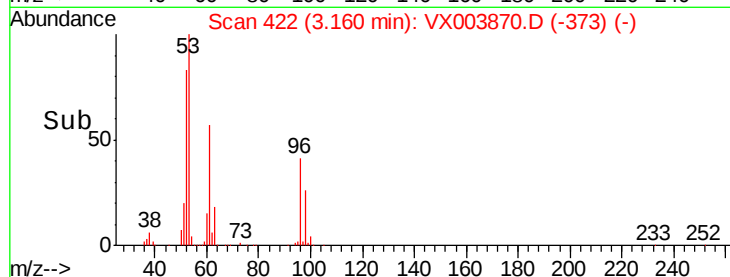
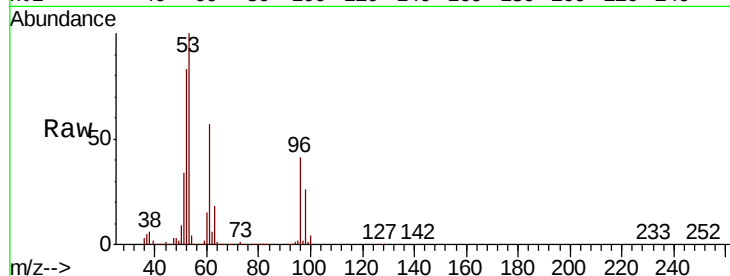
ClientSampleId :

ICVVX080618

Tot Ion:	96	Resp:	212429
Ion	Ratio	Lower	Upper
96	100		
61	139.8	111.8	167.6
98	64.1	51.8	77.6

Manual Integrations
APPROVED

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#22

Diisopropyl ether

Concen: 48.31 ug/l

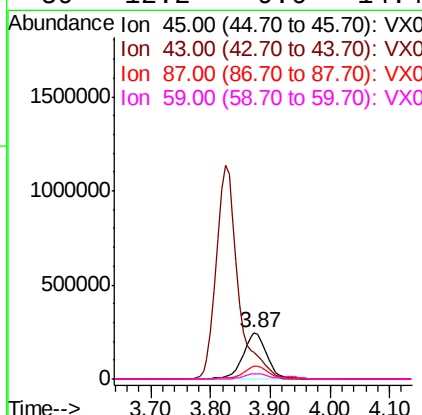
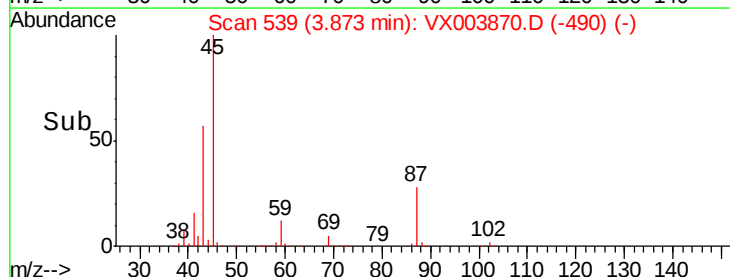
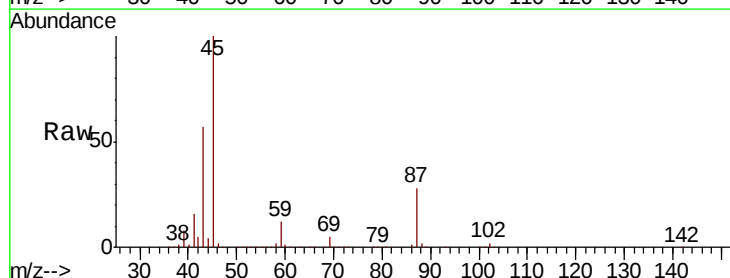
RT: 3.87 min Scan# 539

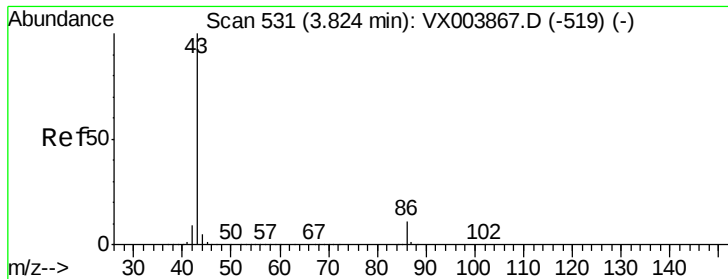
Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Tgt Ion:	45	Resp:	677366
Ion	Ratio	Lower	Upper
45	100		
43	56.5	45.3	67.9
87	28.2	22.7	34.1
59	12.2	9.6	14.4





#23

Vinyl Acetate

Concen: 248.72 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

ICVVX080618

Tot Ion: 43 Resp: 2901921

Ion Ratio Lower Upper

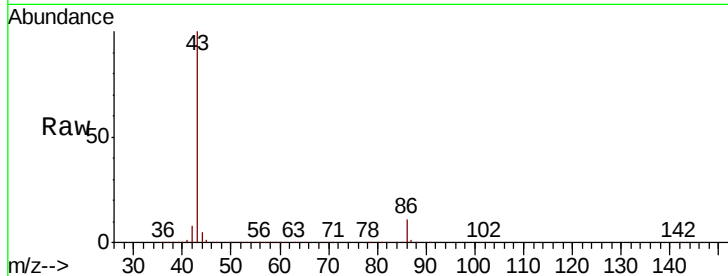
43 100

86 11.3 8.9 13.3

Manual Integrations
APPROVED

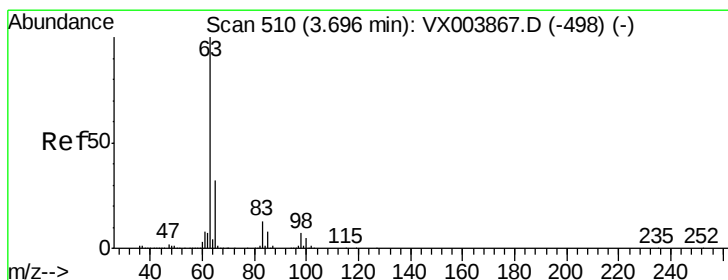
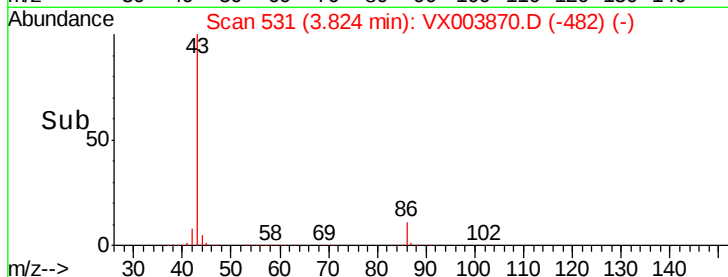
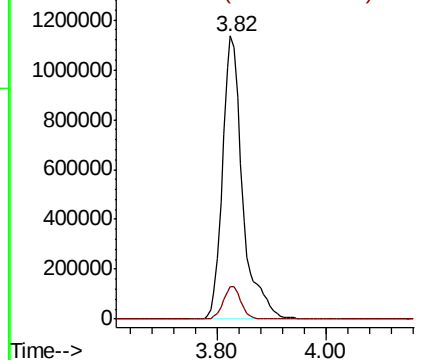
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 47.88 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

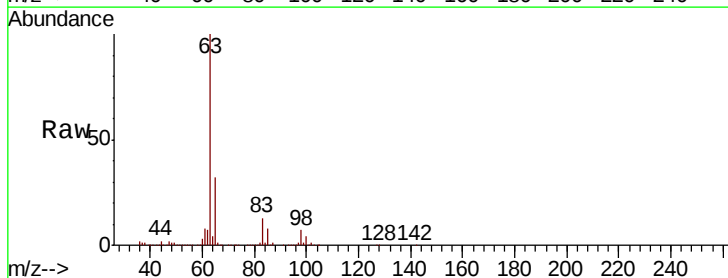
Tgt Ion: 63 Resp: 398857

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

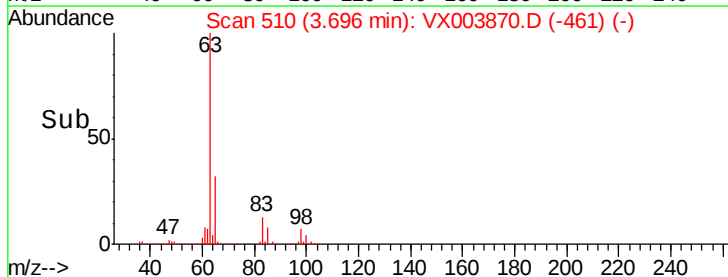
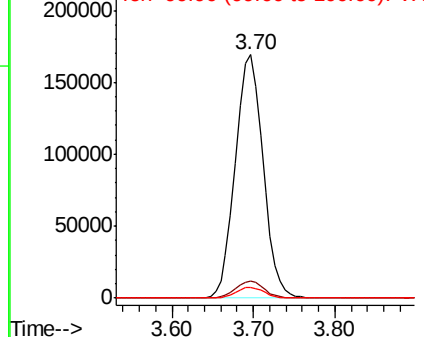
100 4.5 2.3 6.8

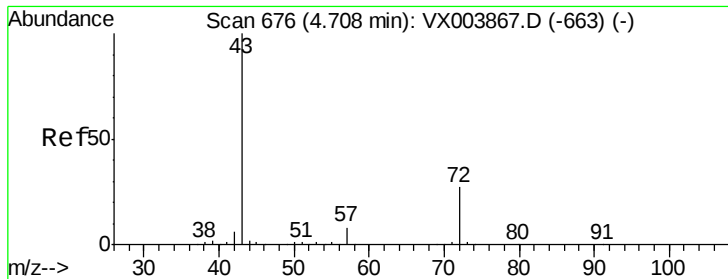


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 247.07 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

ICVVX080618

Tot Ion: 43 Resp: 1080115

Ion Ratio Lower Upper

43 100

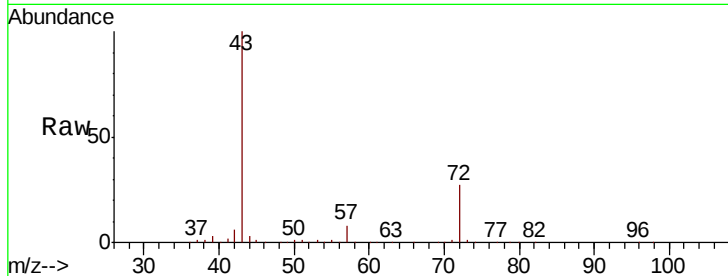
72 26.8 21.4 32.0

Manual Integrations

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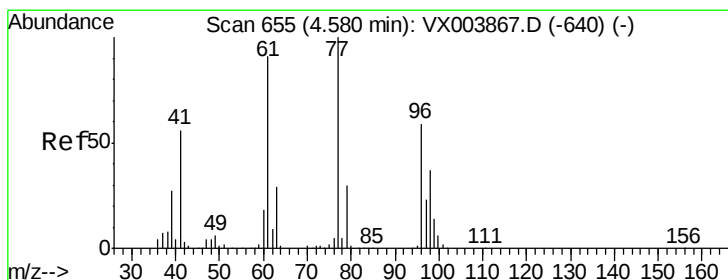
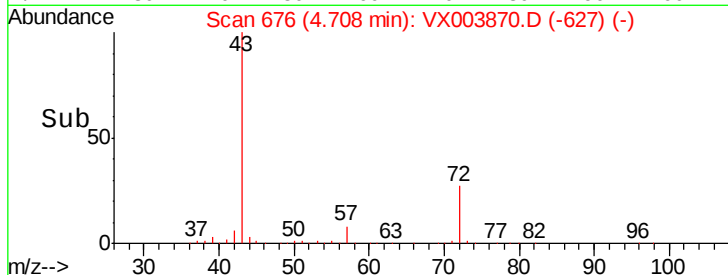
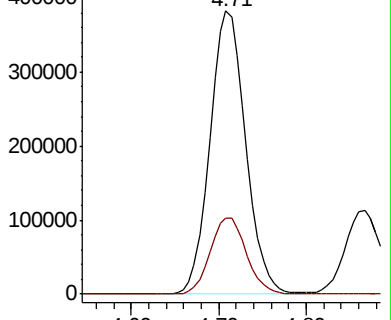
MMDadoda

8/7/2018 1:13:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 45.58 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX003870.D

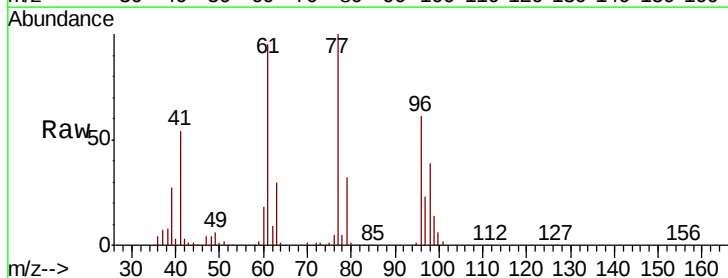
Acq: 06 Aug 2018 19:07

Tgt Ion: 77 Resp: 273795

Ion Ratio Lower Upper

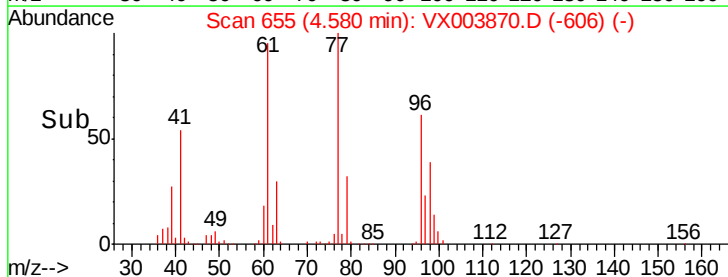
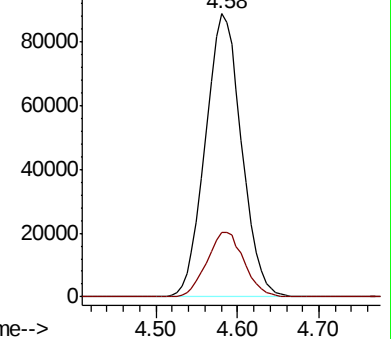
77 100

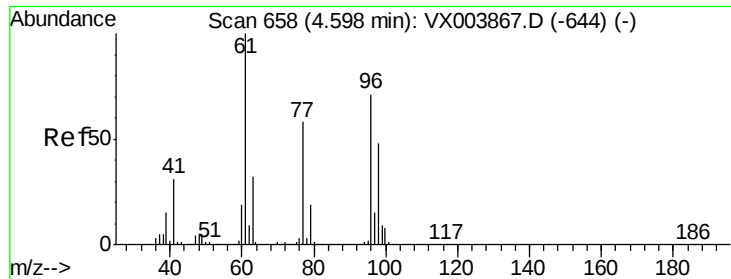
97 23.5 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

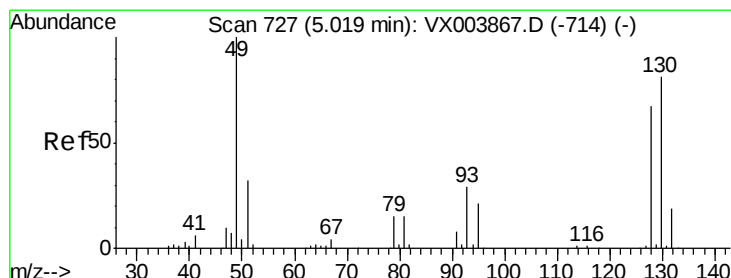
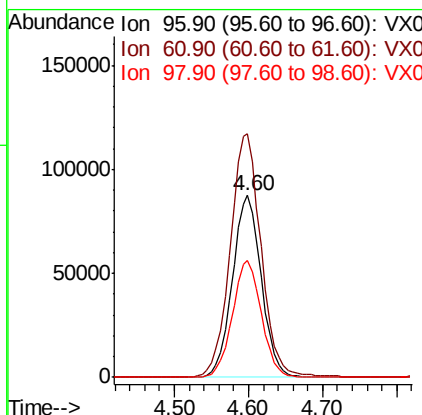
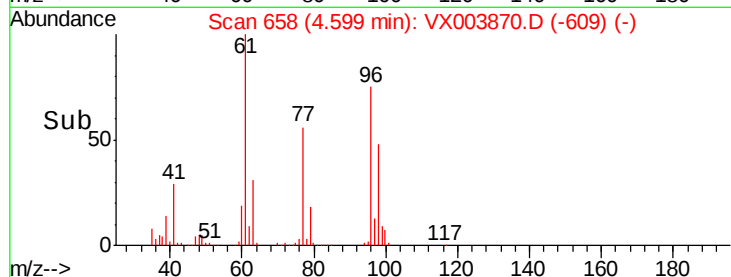
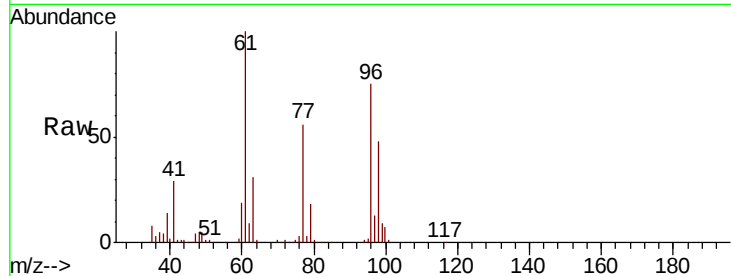
cis-1,2-Dichloroethene
Concen: 48.64 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080618

Tot Ion	Ratio	Resp	Lower	Upper
96	100	237108		
61	143.6	0.0	293.0	
98	64.5	0.0	131.8	

Manual Integrations
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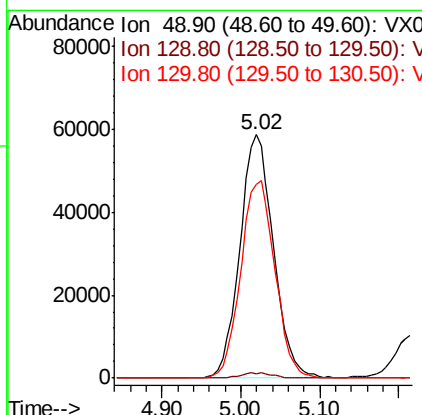
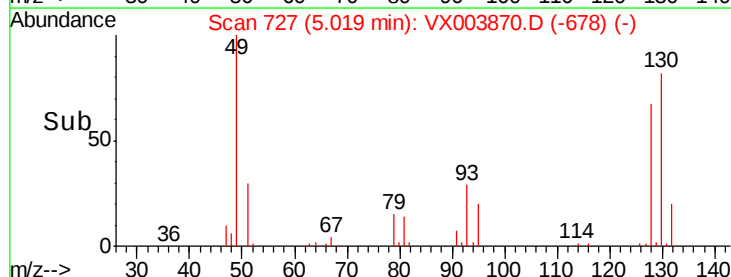
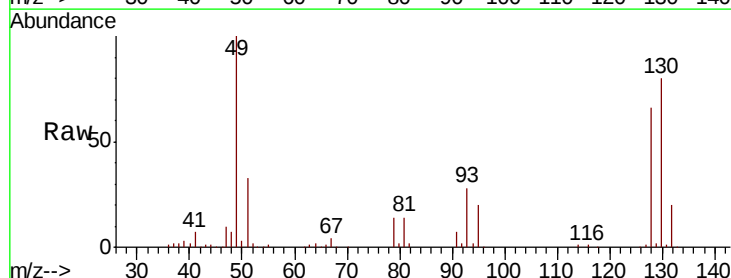
MMDadoda
8/7/2018 1:13:14 PM

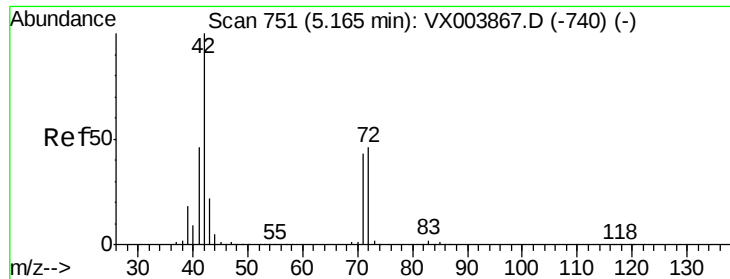


#28

Bromochloromethane
Concen: 48.70 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	173607		
129	2.1	0.0	4.2	
130	82.5	66.5	99.7	





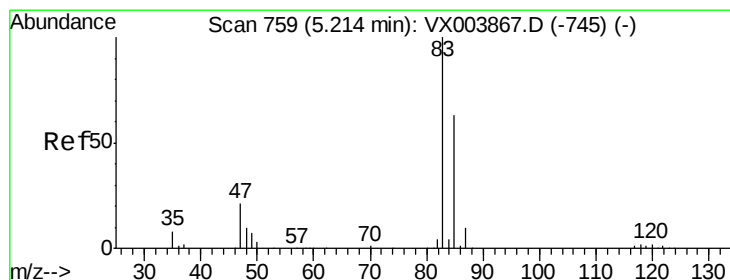
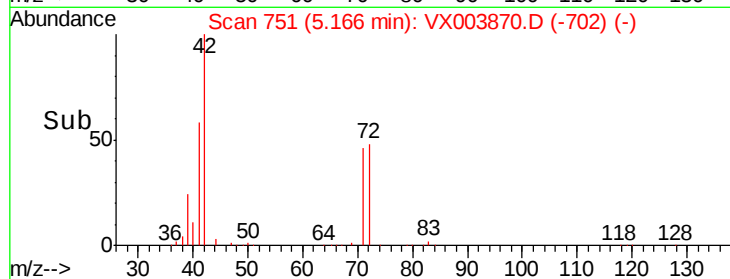
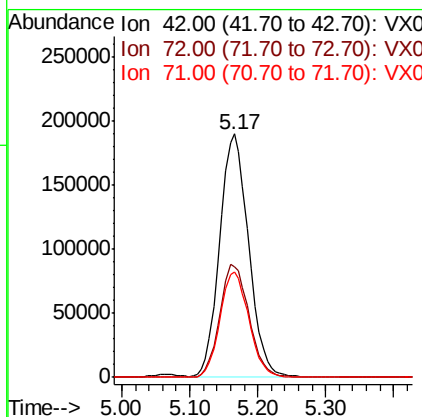
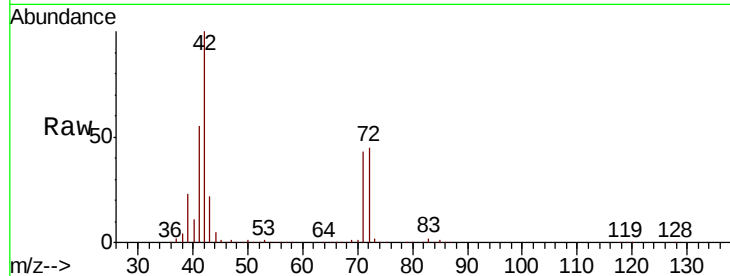
#29
Tetrahydrofuran
Concen: 248.52 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080618

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	37.7	56.5
71	43.3	35.0	52.6

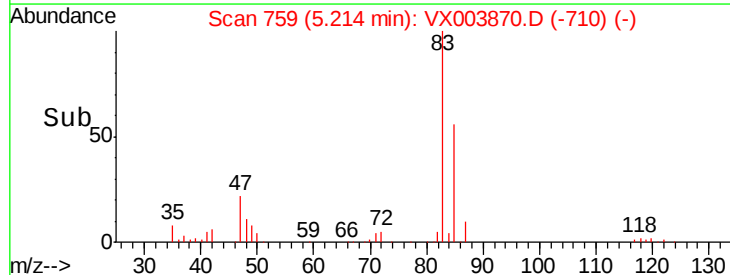
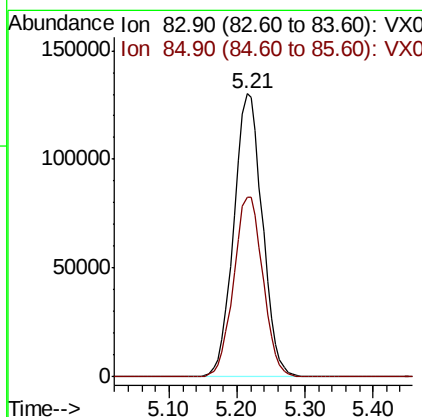
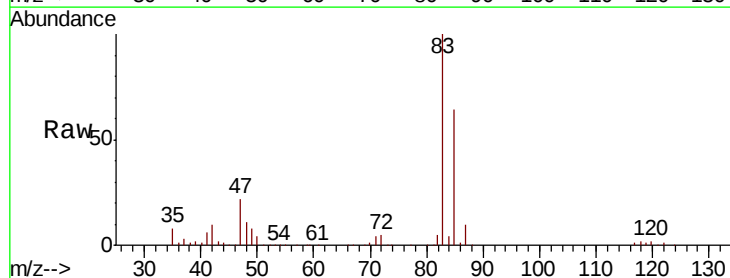
Manual Integrations
APPROVED

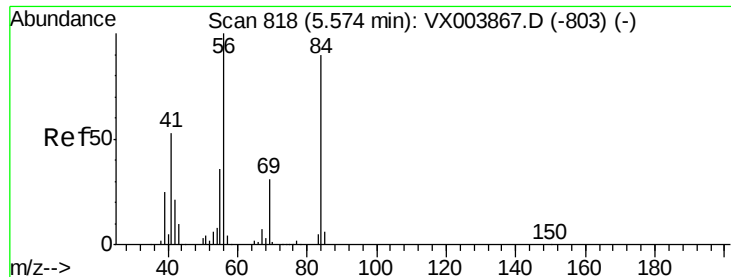
MMDadoda
8/7/2018 1:13:14 PM



#30
Chloroform
Concen: 48.35 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.7	76.1





#31

Cyclohexane

Concen: 49.57 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Instrument :

MSVOA_X

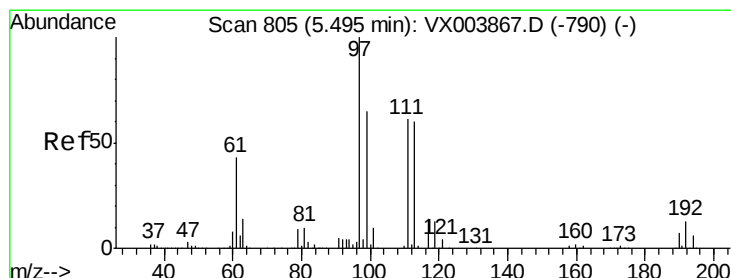
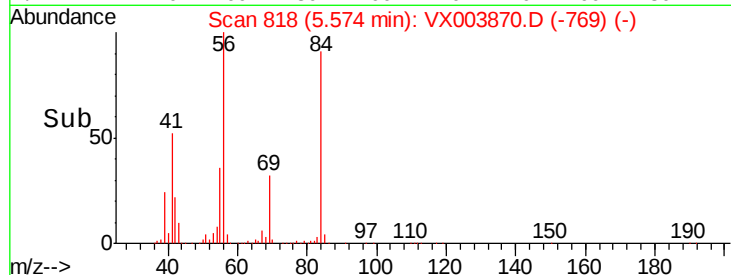
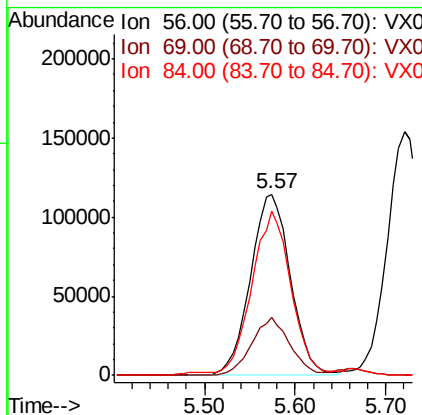
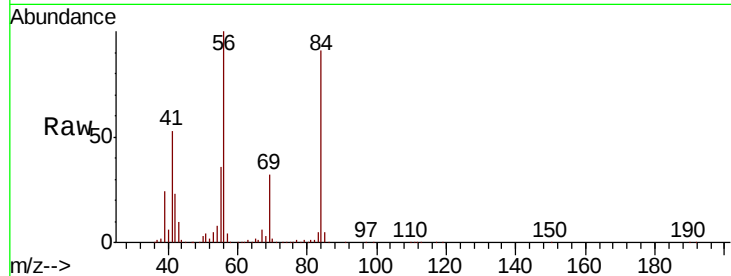
ClientSampleId :

ICVVX080618

Tot Ion:	56	Resp:	349177
Ion	Ratio	Lower	Upper
56	100		
69	31.8	24.9	37.3
84	89.2	71.7	107.5

Manual Integrations
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8/7/2018 1:13:14 PM



#32

1,1,1-Trichloroethane

Concen: 49.64 ug/l

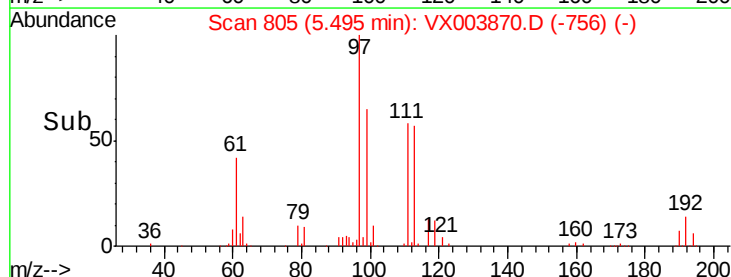
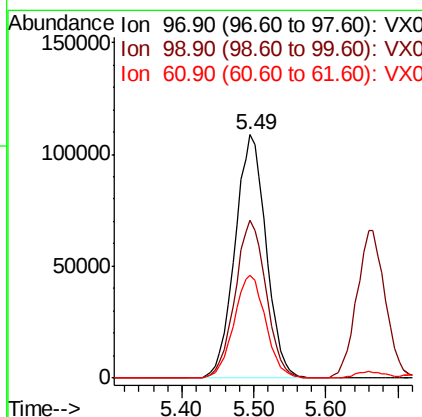
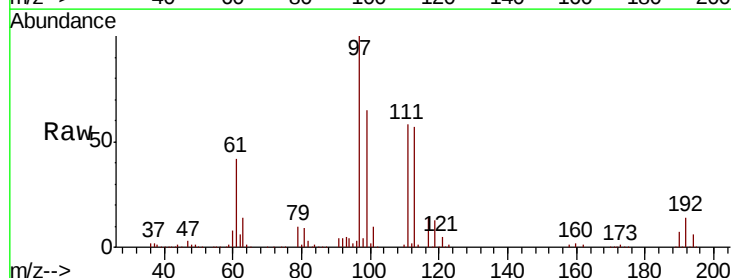
RT: 5.49 min Scan# 805

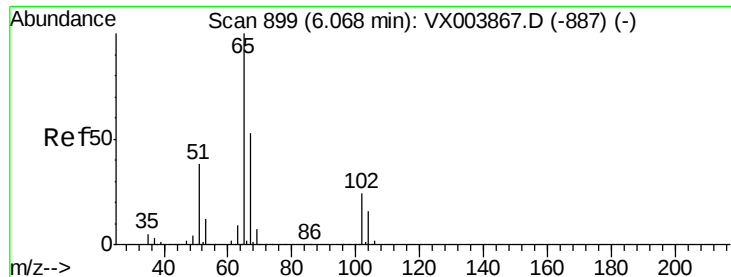
Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Tgt Ion:	97	Resp:	326403
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.8
61	43.1	34.4	51.6





#33

1,2-Dichloroethane-d4

Concen: 47.64 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Tot Ion: 65 Resp: 232832

Ion Ratio Lower Upper

65 100

67 54.3 0.0 105.8

Instrument :

MSVOA_X

ClientSampleId :

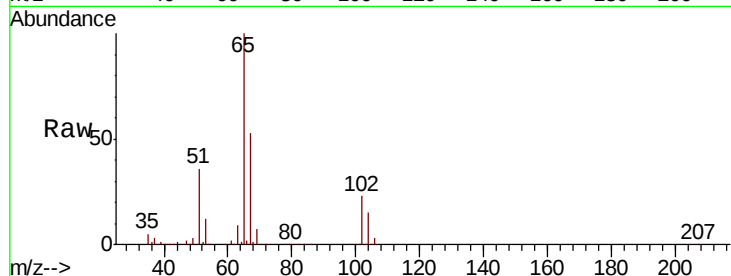
ICVVX080618

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

100000

80000

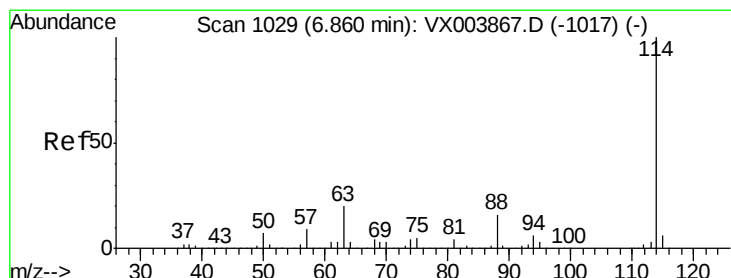
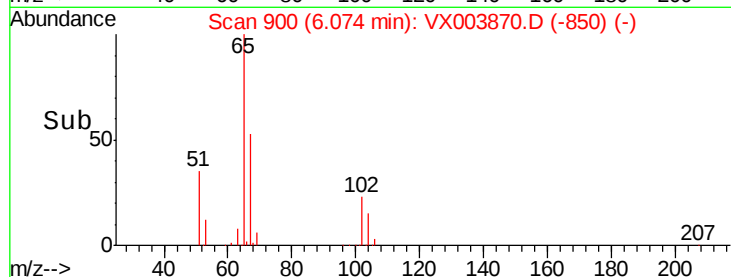
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

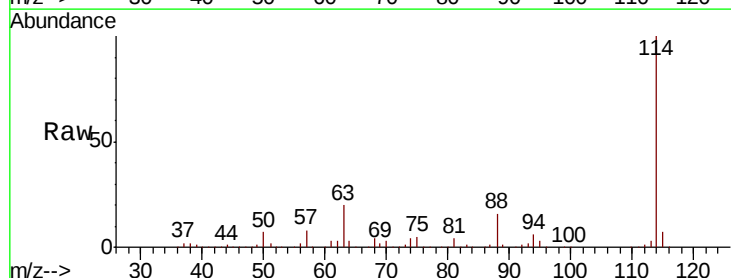
Tgt Ion: 114 Resp: 535502

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.0

88 15.6 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

300000

250000

200000

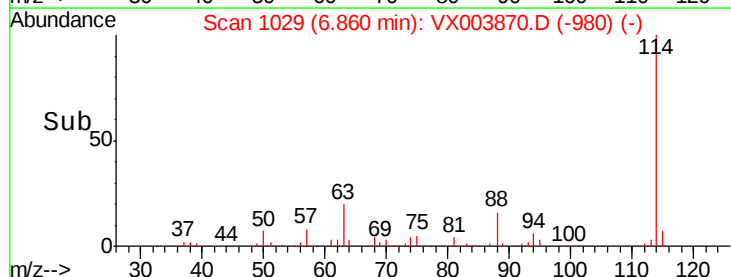
150000

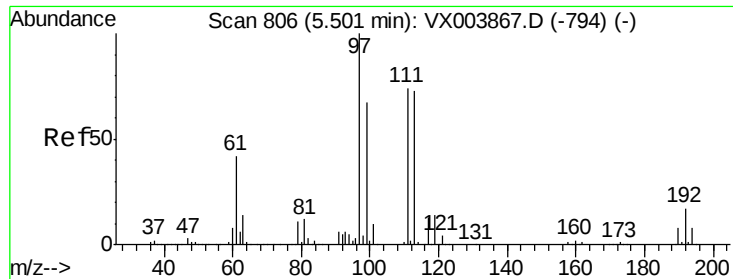
100000

50000

0

Time-->





#35

Dibromofluoromethane

Concen: 49.16 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Instrument :

MSVOA_X

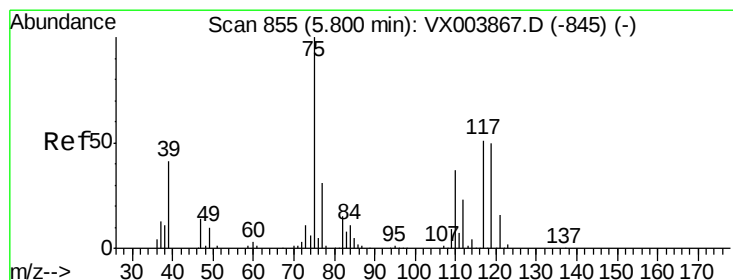
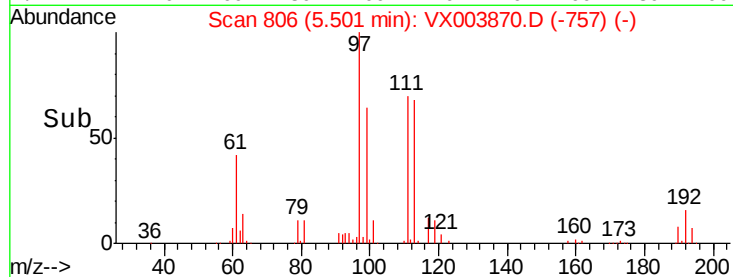
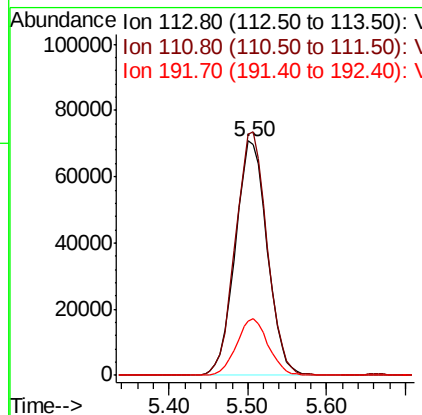
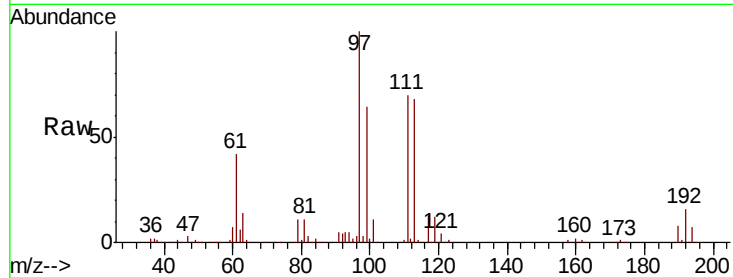
ClientSampleId :

ICVVX080618

Tot Ion:	113	Resp:	199436
Ion Ratio	Lower	Upper	
113	100		
111	103.2	82.0	123.0
192	24.0	19.0	28.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.22 ug/l

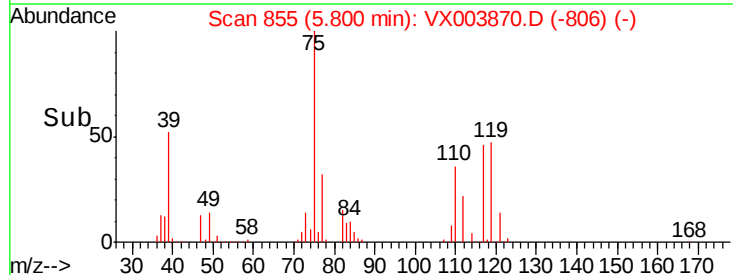
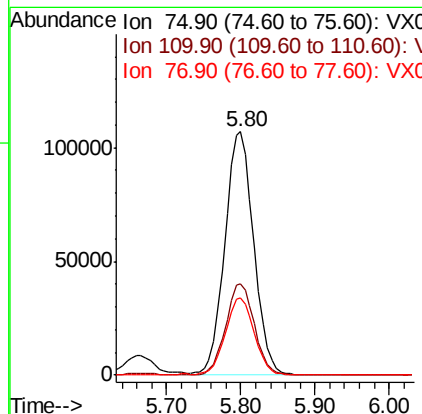
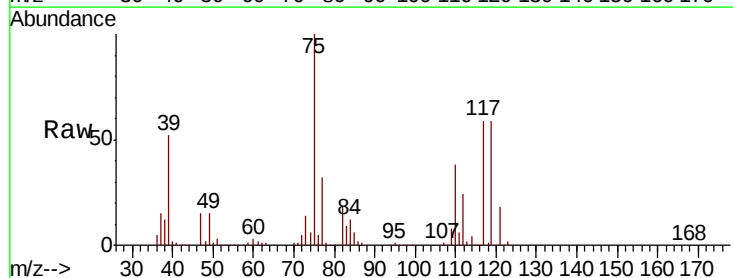
RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Tgt Ion:	75	Resp:	289216
Ion Ratio	Lower	Upper	
75	100		
110	37.1	18.2	54.6
77	31.8	25.0	37.4





#37

Ethyl Acetate

Concen: 49.78 ug/l

RT: 4.87 min Scan# 702

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Instrument :

MSVOA_X

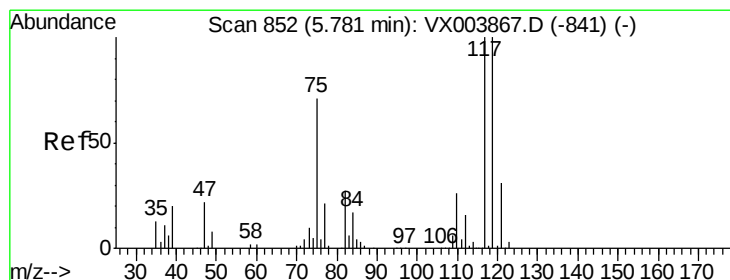
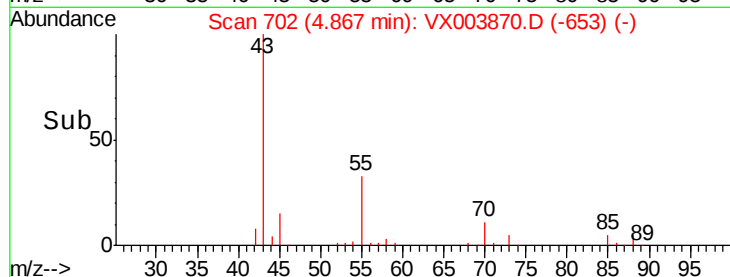
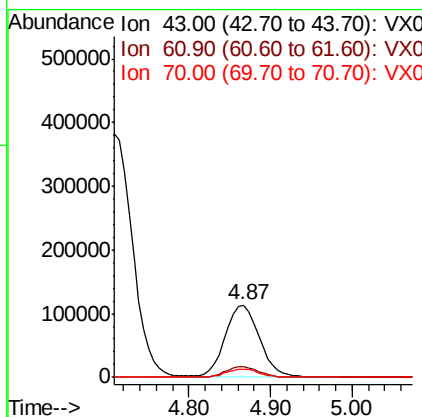
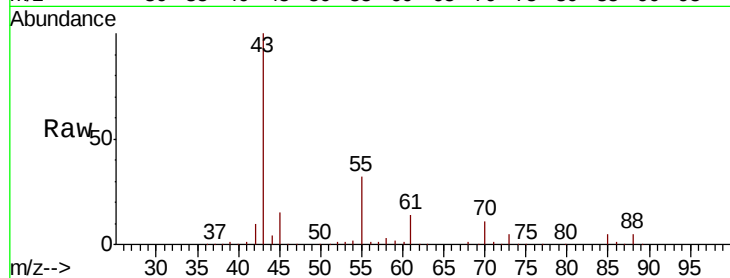
ClientSampleId :

ICVVX080618

Tot Ion:	43	Resp:	328408
Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.5	17.3
70	11.6	9.0	13.4

Manual Integrations
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8/7/2018 1:13:14 PM



#38

Carbon Tetrachloride

Concen: 49.64 ug/l

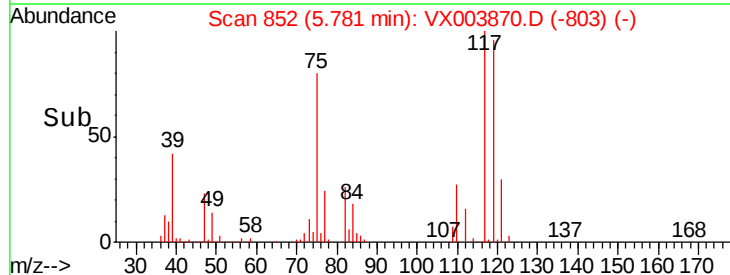
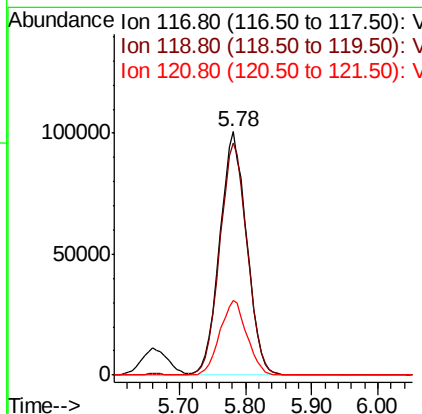
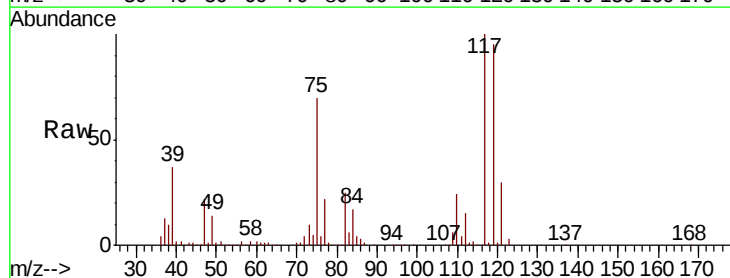
RT: 5.78 min Scan# 852

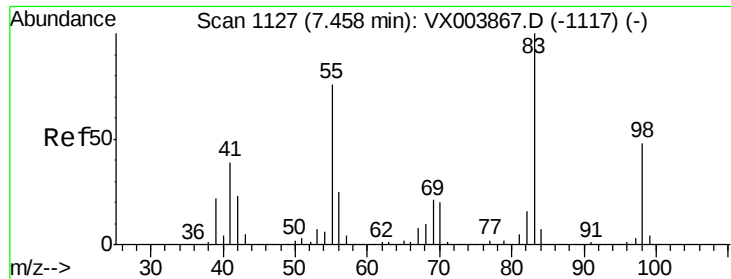
Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Tgt Ion:	117	Resp:	283340
Ion	Ratio	Lower	Upper
117	100		
119	95.2	79.5	119.3
121	30.4	25.0	37.4





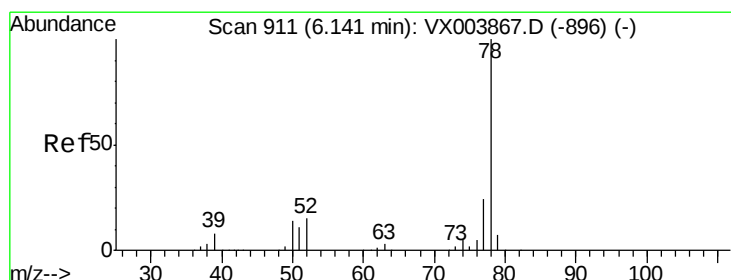
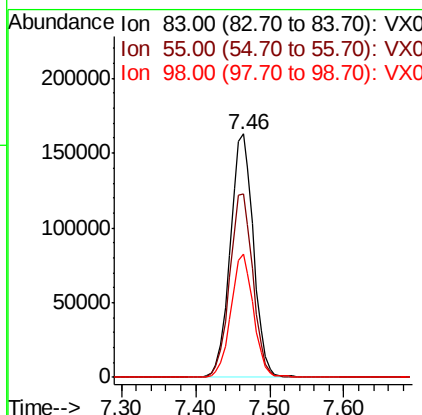
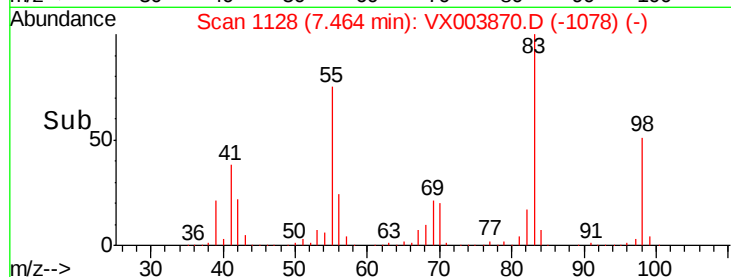
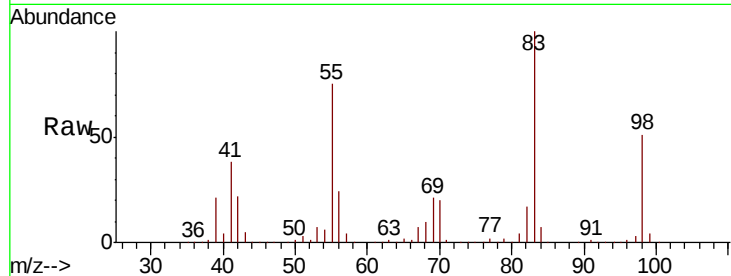
#39
Methvlcvclohexane
Concen: 50.32 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080618

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.3	61.0	91.6	
98	50.6	38.6	57.8	

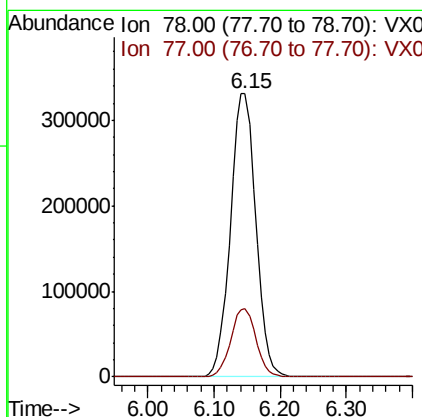
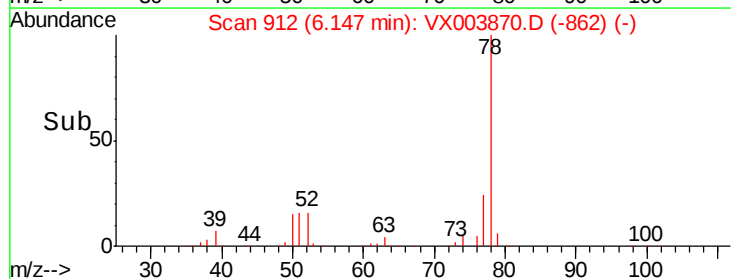
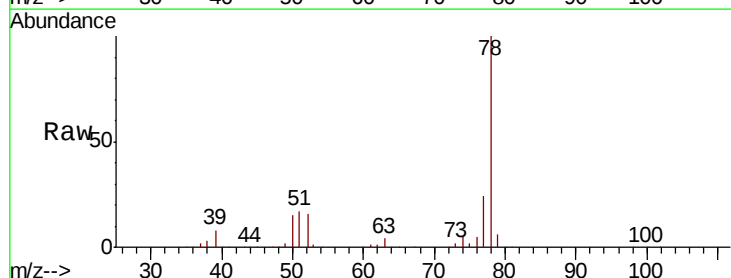
Manual Integrations
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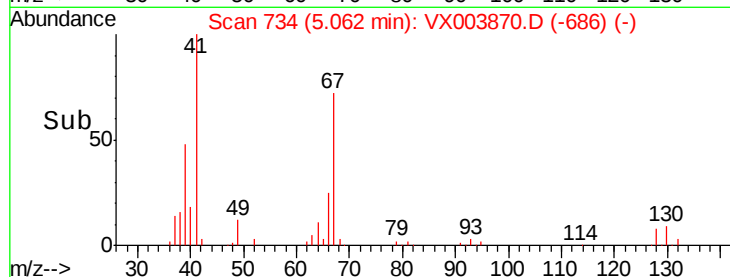
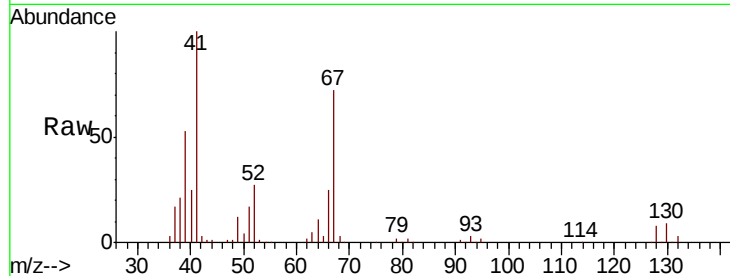
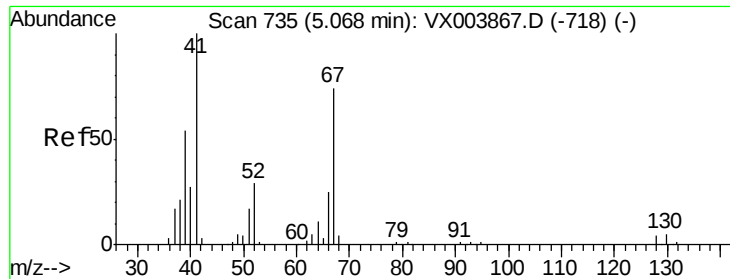
MMDadoda
8/7/2018 1:13:14 PM



#40
Benzene
Concen: 48.87 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.01 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.3	19.0	28.4	





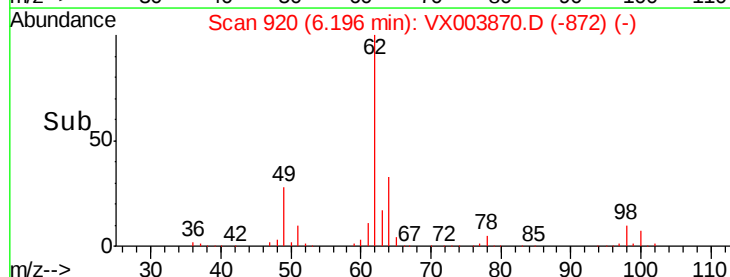
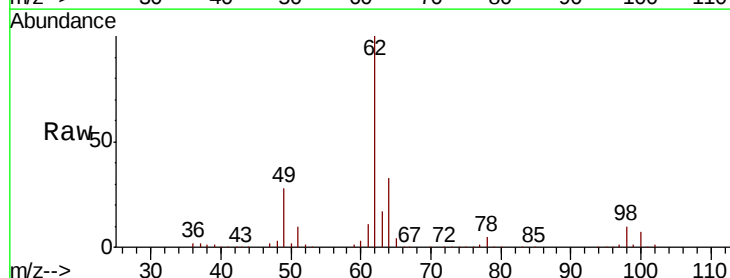
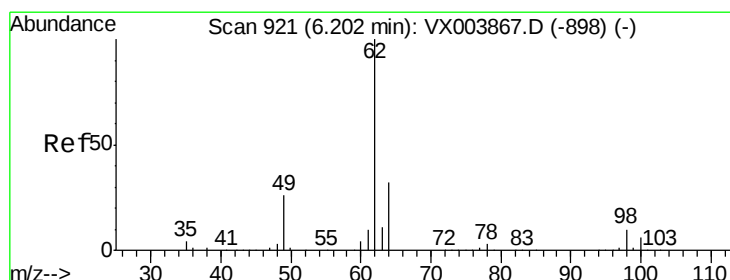
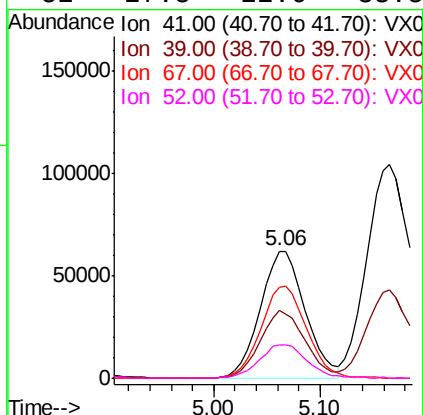
#41
Methacrylonitrile
Concen: 50.27 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		182674		
39	52.5	42.7	64.1		
67	73.5	58.9	88.3		
52	27.8	22.6	33.8		

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080618

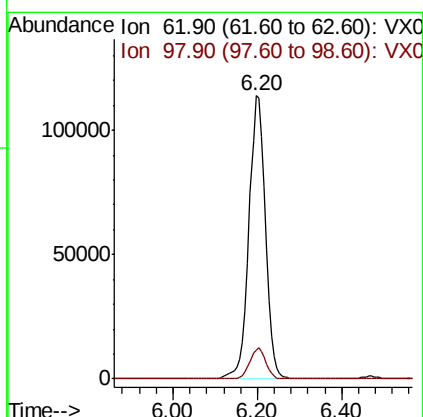
Manual Integrations
APPROVED

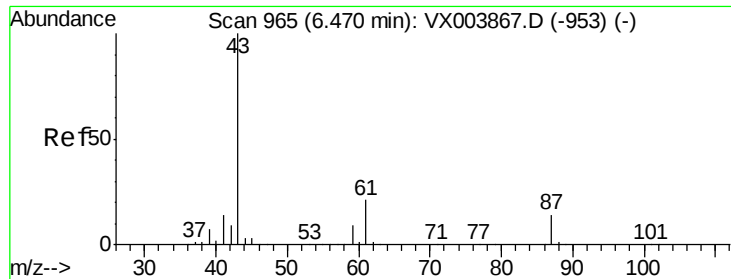
MMDadoda
8/7/2018 1:13:14 PM



#42
1,2-Dichloroethane
Concen: 48.63 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		296120		
98	10.5	0.0	20.4		





#43

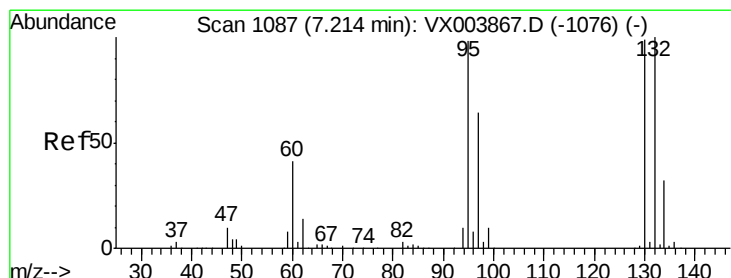
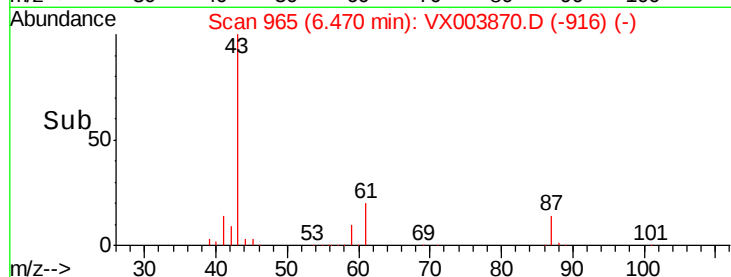
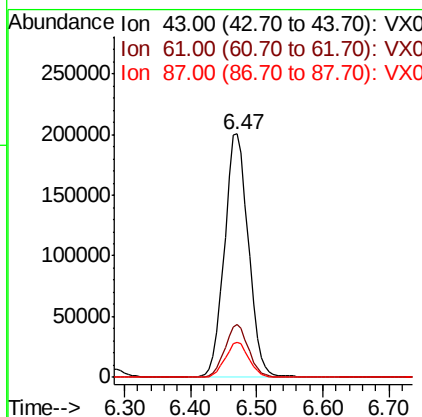
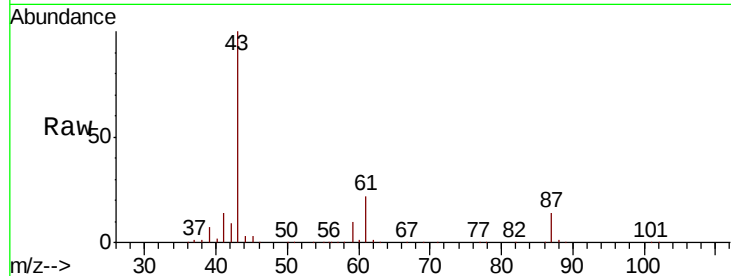
Isopropyl Acetate
 Concen: 50.69 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX003870.D
 Acq: 06 Aug 2018 19:07

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX080618

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.3	16.9	25.3
87	14.3	11.3	16.9

Manual Integrations
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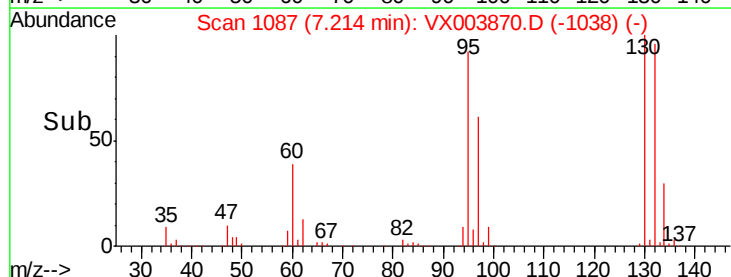
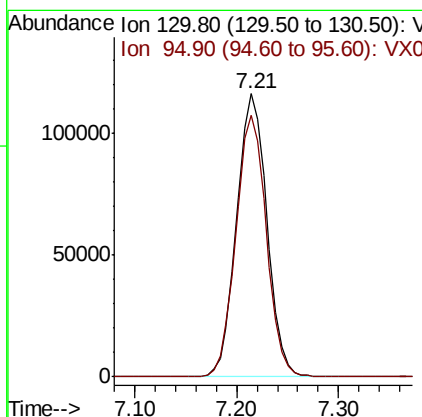
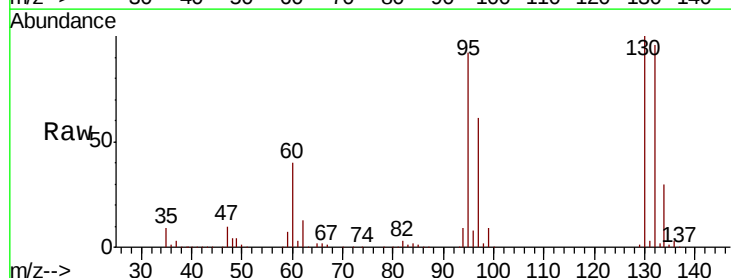
MMDadoda
 8/7/2018 1:13:14 PM

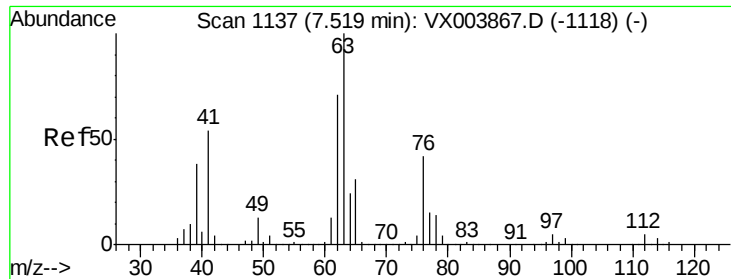


#44

Trichloroethene
 Concen: 48.88 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003870.D
 Acq: 06 Aug 2018 19:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	199.4





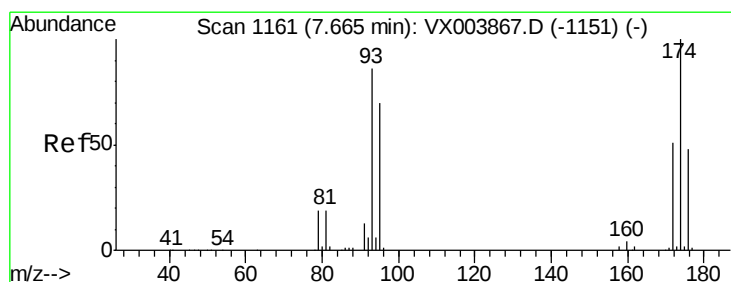
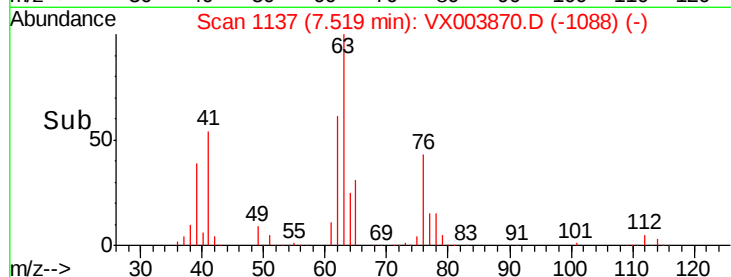
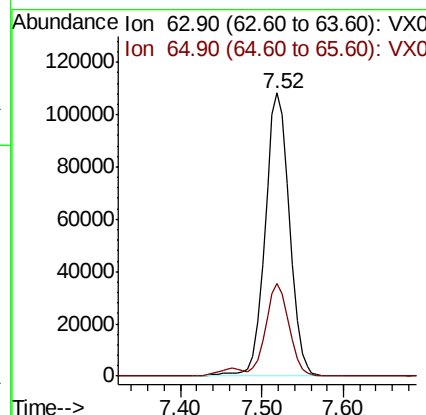
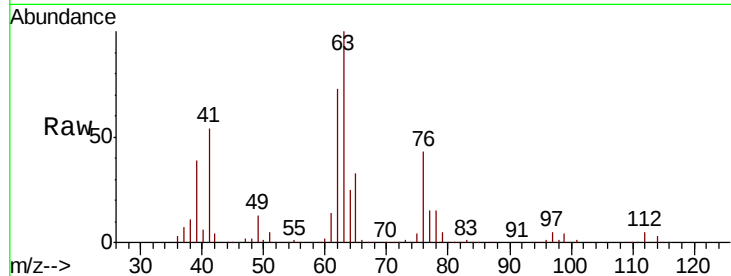
#45
 1,2-Dichloropropane
 Concen: 48.41 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003870.D
 Acq: 06 Aug 2018 19:07

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX080618

Tot Ion: 63 Resp: 225144
 Ion Ratio Lower Upper
 63 100
 65 32.6 24.6 36.8

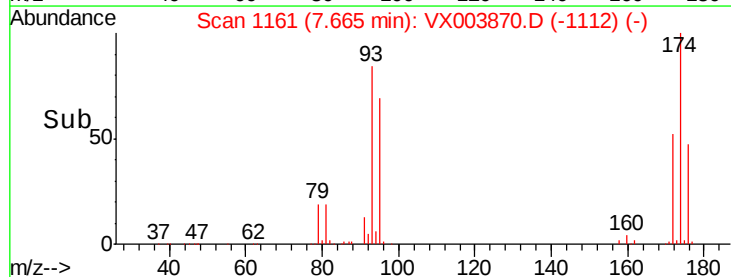
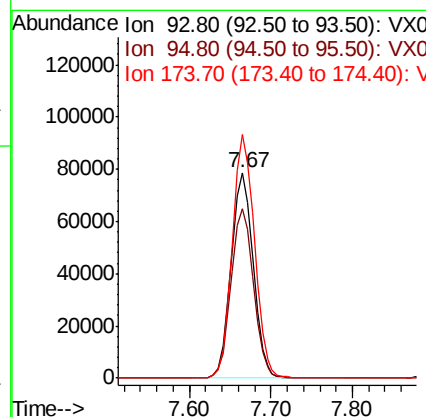
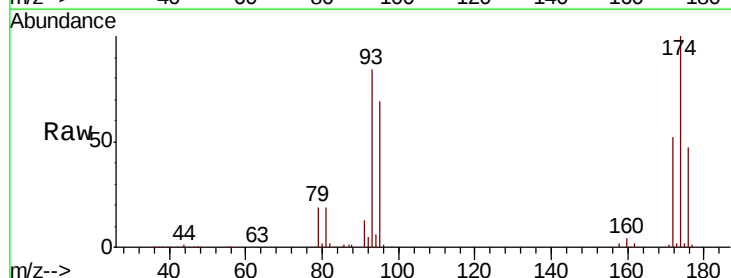
Manual Integrations
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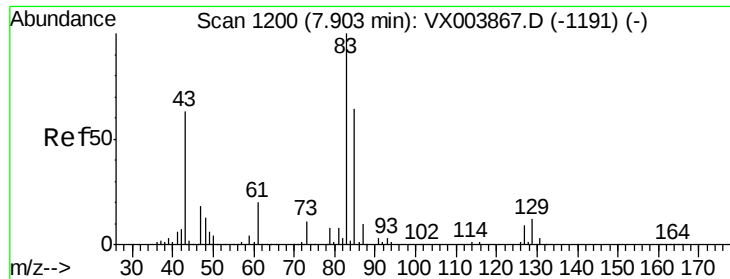
MMDadoda
 8/7/2018 1:13:14 PM



#46
 Dibromomethane
 Concen: 48.48 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003870.D
 Acq: 06 Aug 2018 19:07

Tgt Ion: 93 Resp: 146392
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.4 99.6
 174 119.0 94.3 141.5





#47

Bromodichloromethane

Concen: 49.97 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Instrument :

MSVOA_X

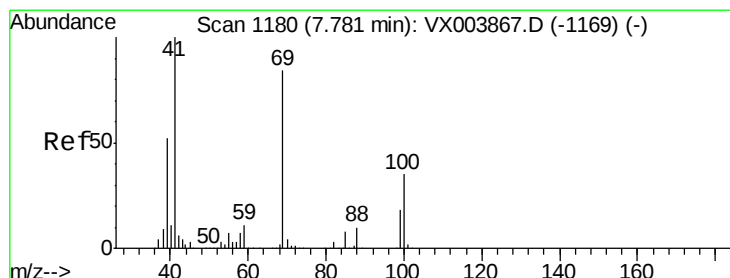
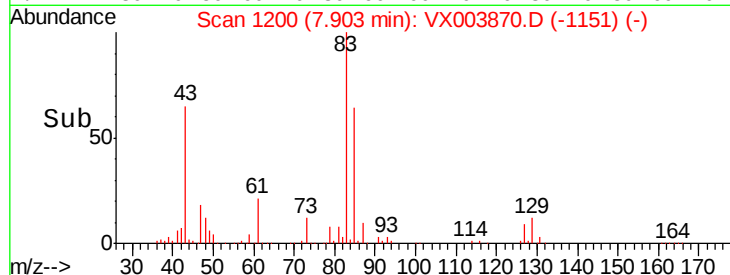
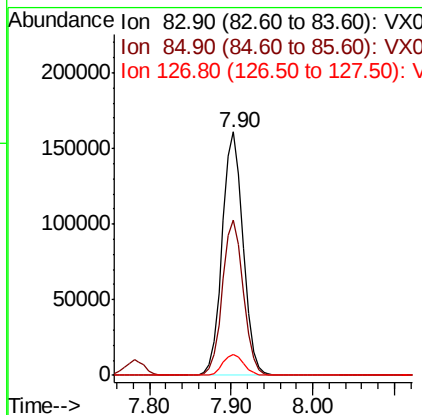
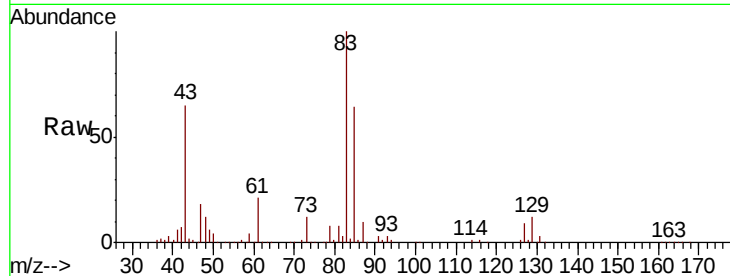
ClientSampleId :

ICVVX080618

Tot Ion:	83	Resp:	284228
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.2	76.8
127	8.8	7.2	10.8

Manual Integrations
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MMDadoda
8/7/2018 1:13:14 PM



#48

Methyl methacrylate

Concen: 52.07 ug/l

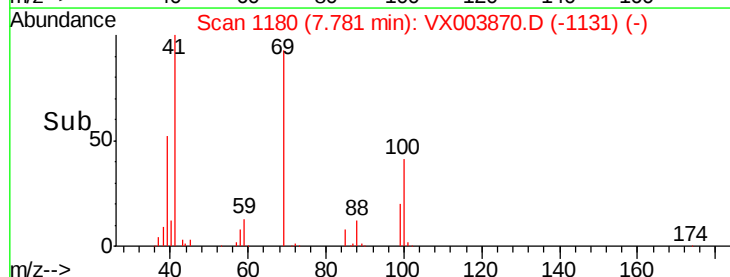
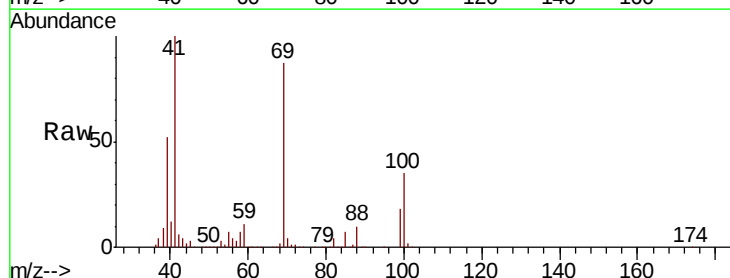
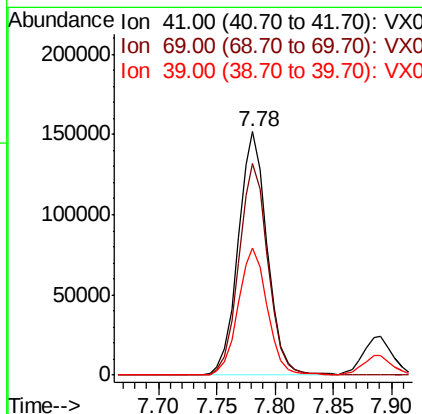
RT: 7.78 min Scan# 1180

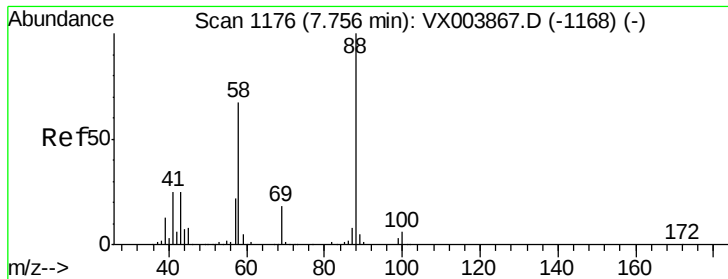
Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Tgt Ion:	41	Resp:	262787
Ion	Ratio	Lower	Upper
41	100		
69	87.6	68.8	103.2
39	52.6	42.3	63.5





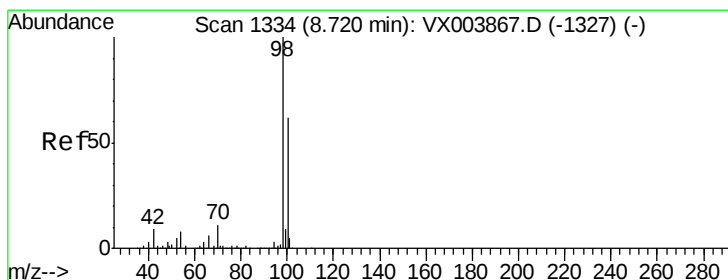
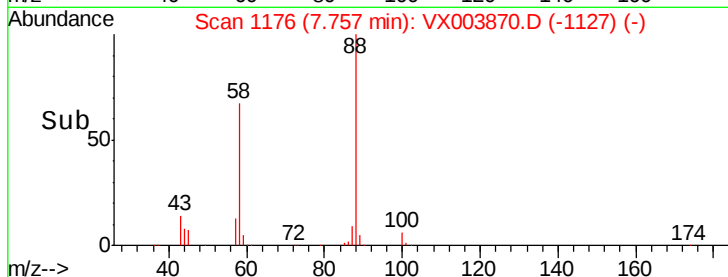
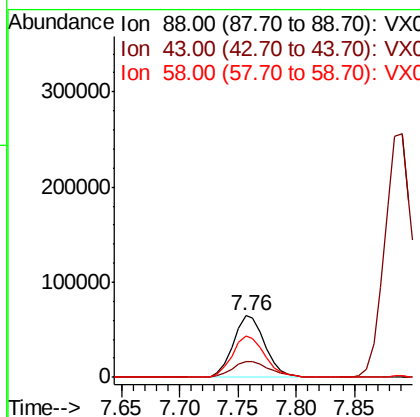
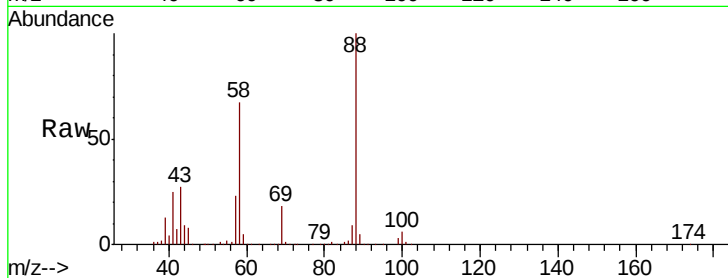
#49
1,4-Dioxane
Concen: 1040.71 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080618

Tot Ion	Ratio	Resp	Lower	Upper
88	100	123729		
43	29.9		23.8	35.8
58	68.8		55.4	83.0

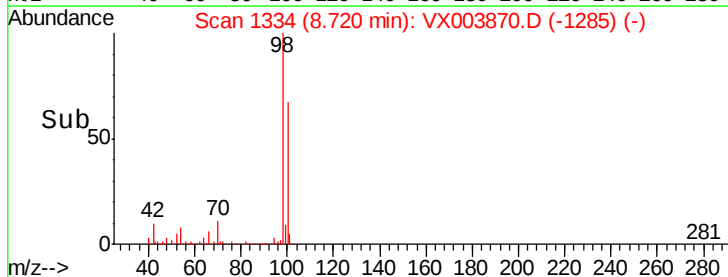
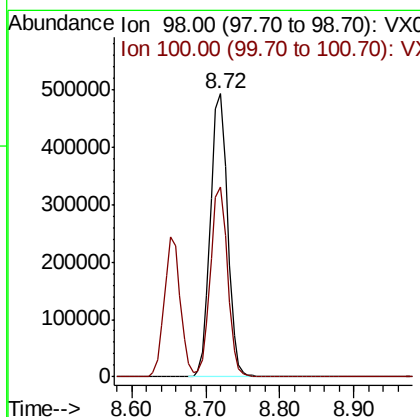
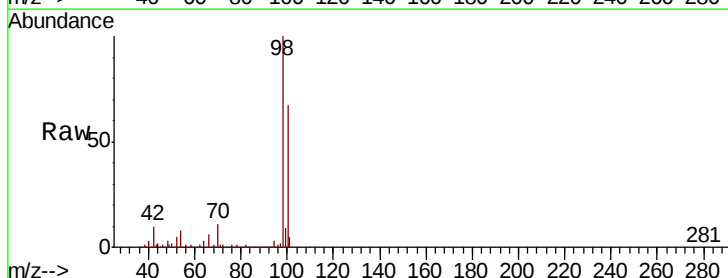
Manual Integrations
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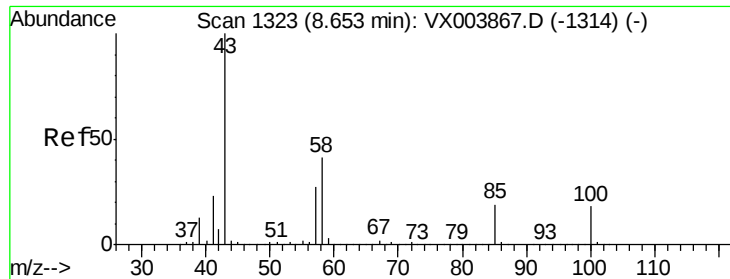
MMDadoda
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#50
Toluene-d8
Concen: 49.56 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	781933		
100	66.8		53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 259.07 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

ICVVX080618

Tot Ion: 43 Resp: 2131985

Ion Ratio Lower Upper

43 100

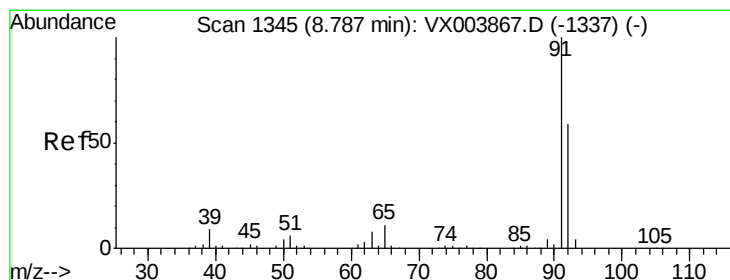
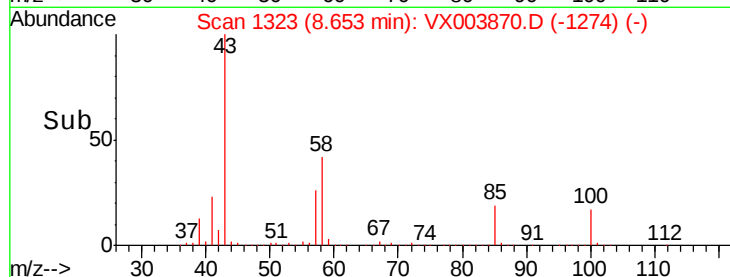
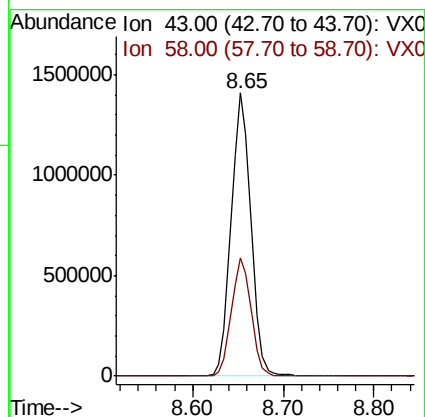
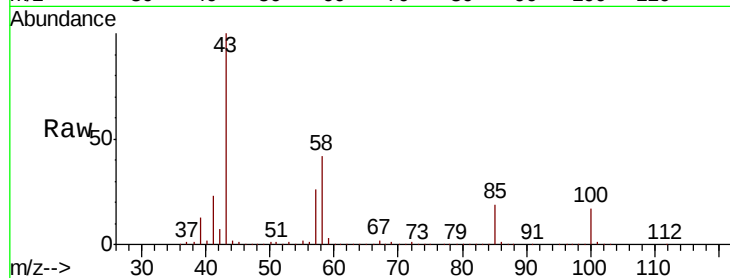
58 41.6 33.0 49.6

Manual Integrations

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8/7/2018 1:13:14 PM



#52

Toluene

Concen: 50.09 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003870.D

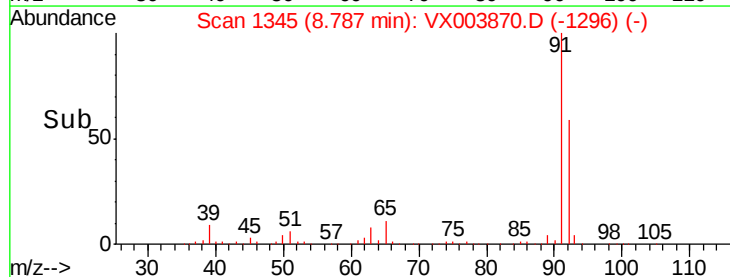
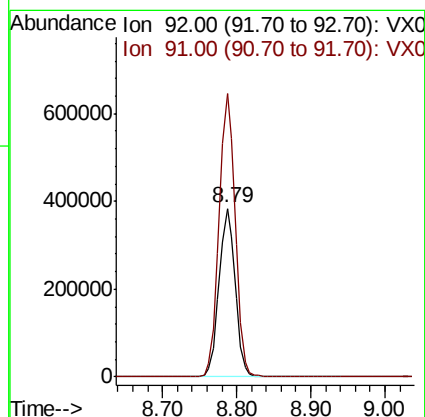
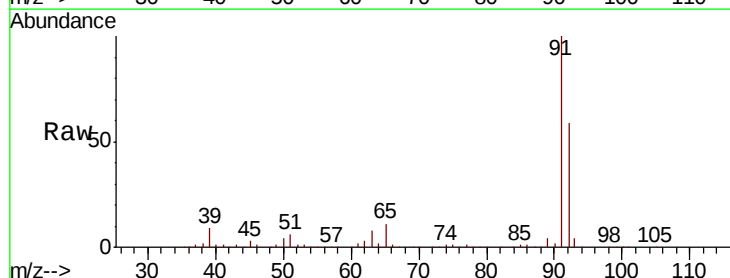
Acq: 06 Aug 2018 19:07

Tgt Ion: 92 Resp: 569981

Ion Ratio Lower Upper

92 100

91 168.7 136.1 204.1





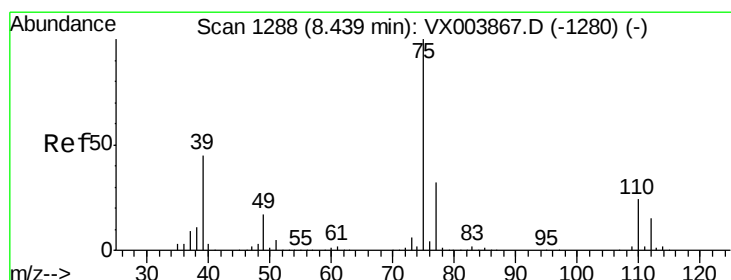
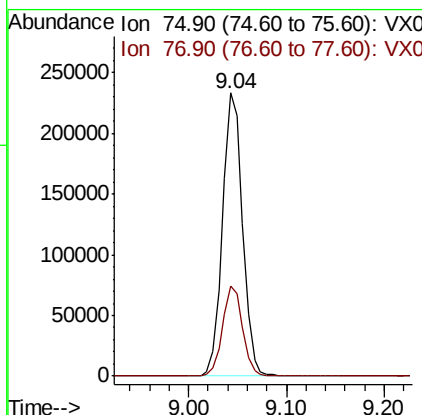
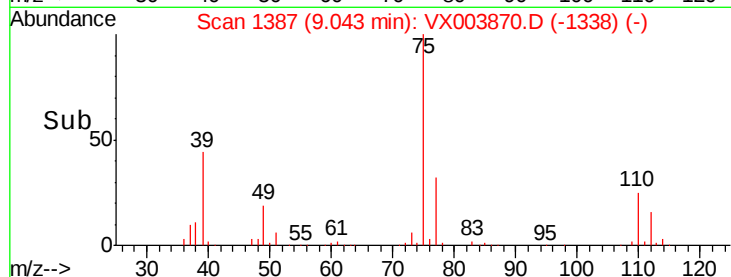
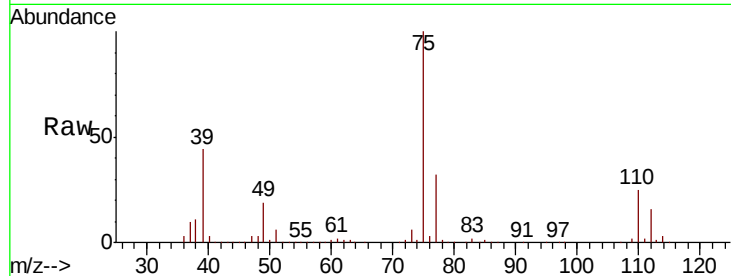
#53
 t-1,3-Dichloropropene
 Concen: 51.58 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX003870.D
 Acq: 06 Aug 2018 19:07

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX080618

Tot Ion: 75 Resp: 331649
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.1 37.7

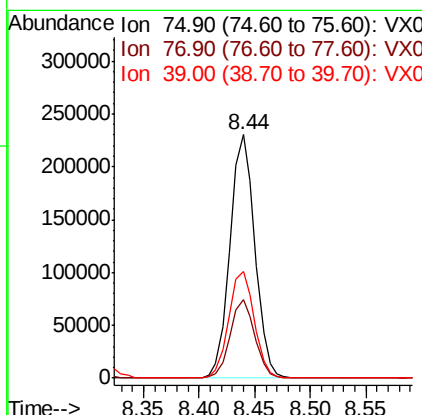
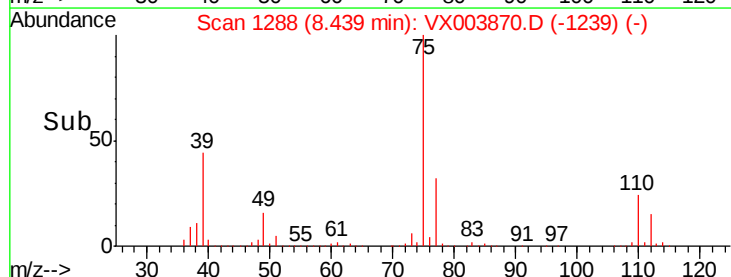
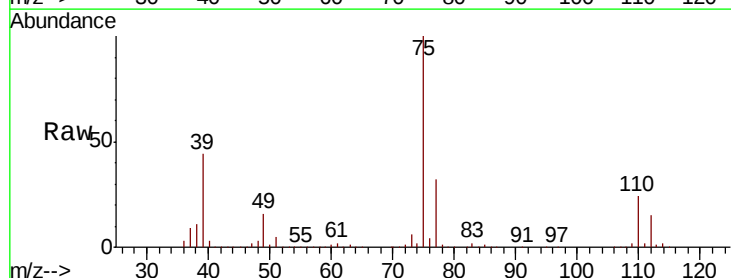
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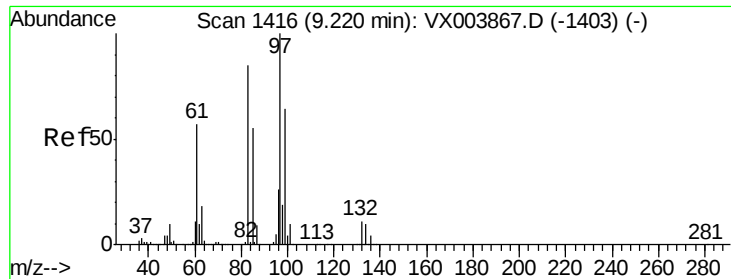
MMDadoda
 8/7/2018 1:13:14 PM



#54
 cis-1,3-Dichloropropene
 Concen: 51.57 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003870.D
 Acq: 06 Aug 2018 19:07

Tgt Ion: 75 Resp: 357480
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.3 37.9
 39 43.8 36.2 54.2





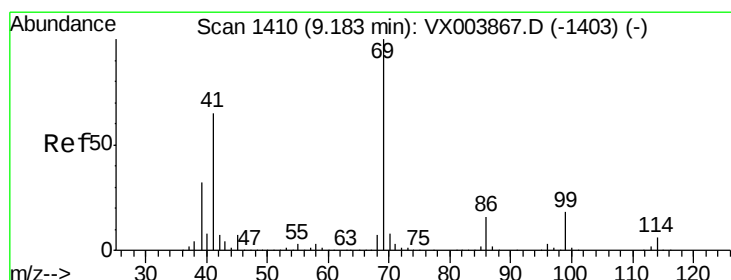
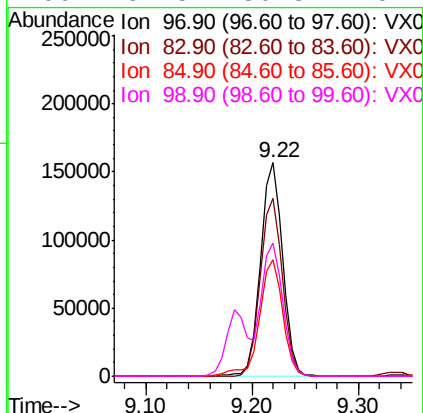
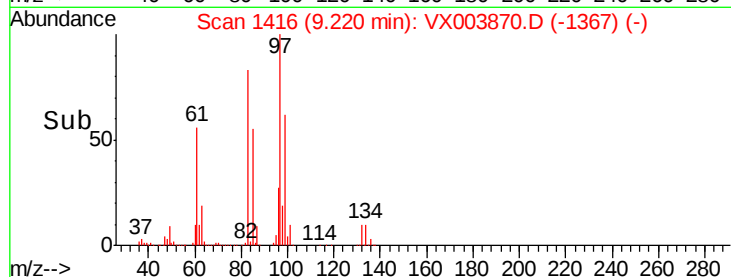
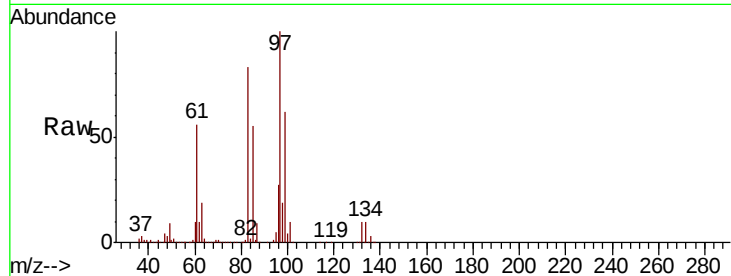
#55
 1,1,2-Trichloroethane
 Concen: 49.29 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003870.D
 Acq: 06 Aug 2018 19:07

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX080618

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		229209		
83	83.3	67.8	101.6		
85	54.8	44.2	66.2		
99	62.5	50.8	76.2		

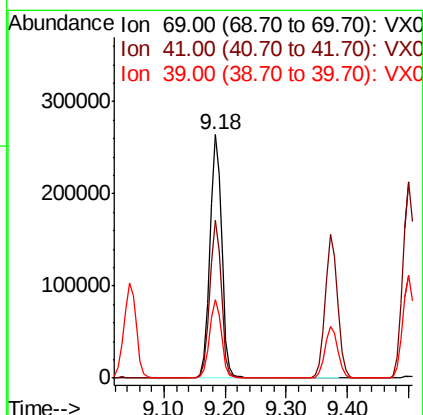
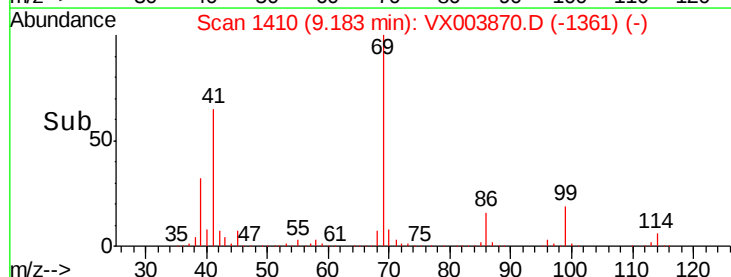
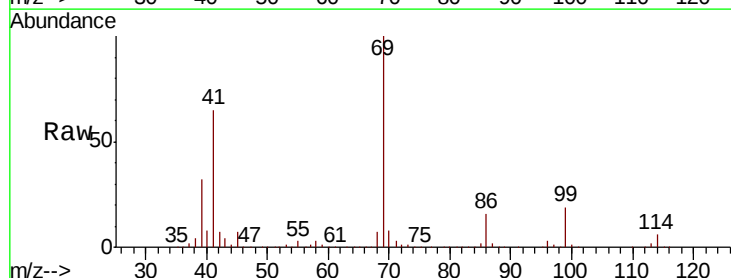
Manual Integrations
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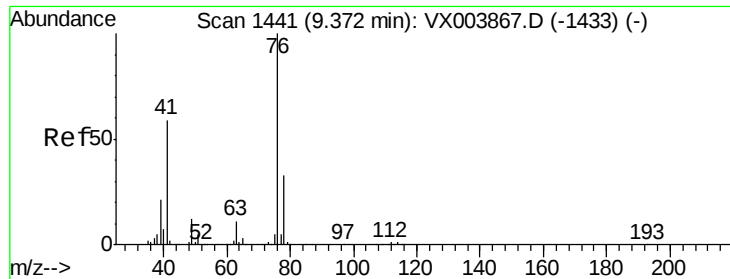
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 52.68 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003870.D
 Acq: 06 Aug 2018 19:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		355389		
41	63.3	50.6	76.0		
39	32.1	25.8	38.6		





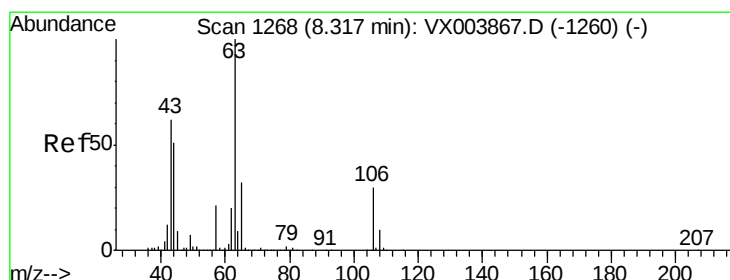
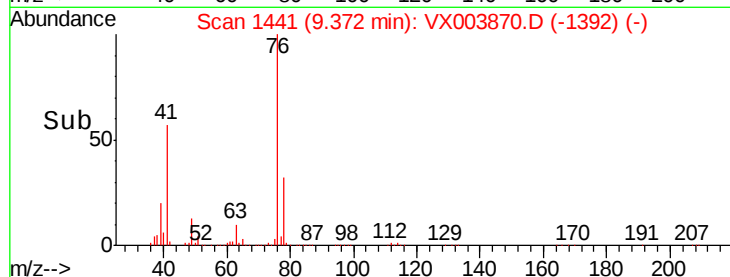
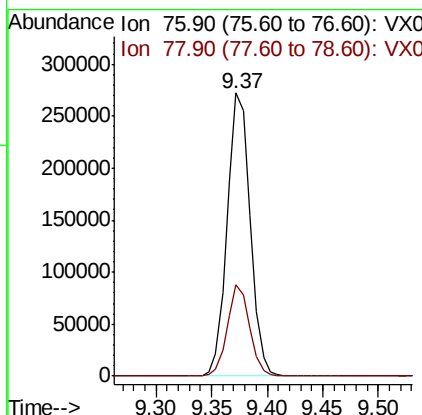
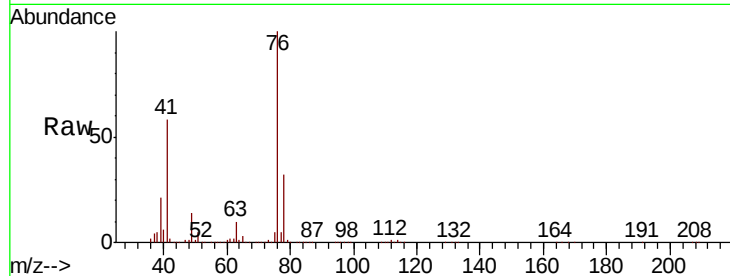
#57
 1,3-Dichloropropane
 Concen: 50.05 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003870.D
 Acq: 06 Aug 2018 19:07

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX080618

Tot Ion: 76 Resp: 389479
 Ion Ratio Lower Upper
 76 100
 78 31.3 25.9 38.9

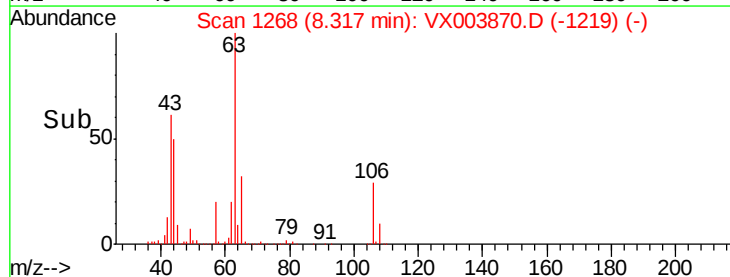
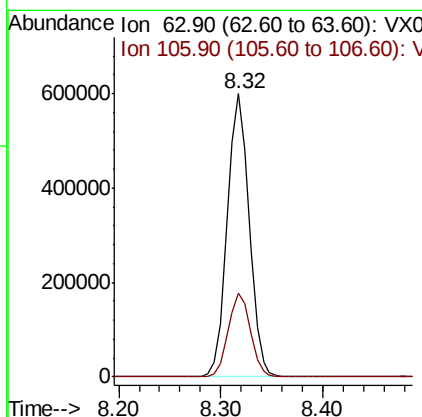
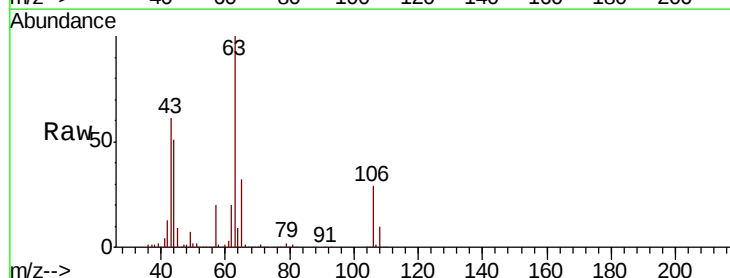
Manual Integrations
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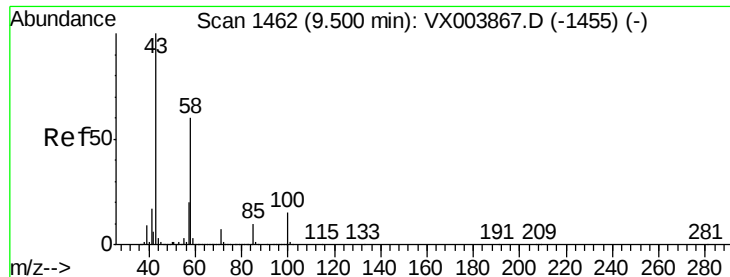
MMDadoda
 8/7/2018 1:13:14 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 267.60 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003870.D
 Acq: 06 Aug 2018 19:07

Tgt Ion: 63 Resp: 887787
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.8 35.8





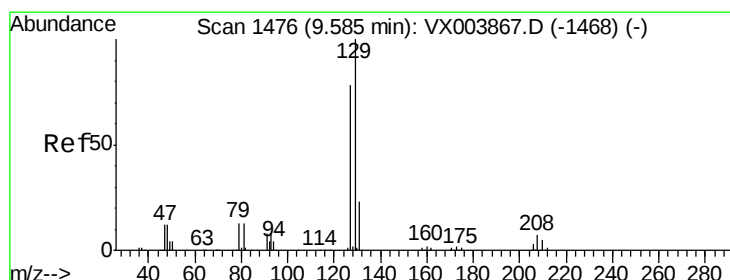
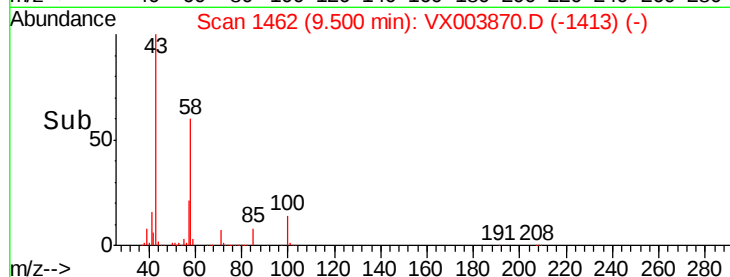
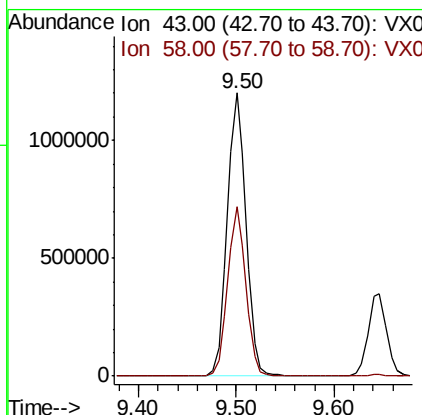
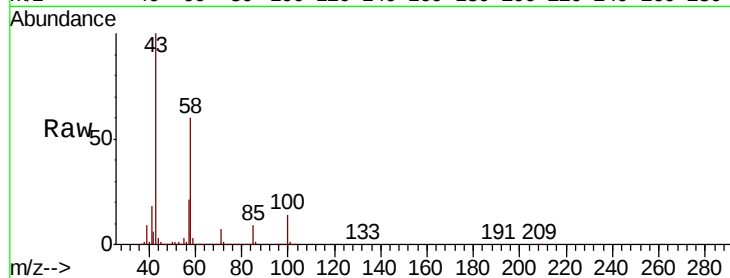
#59
2-Hexanone
Concen: 259.99 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080618

Tot Ion: 43 Resp: 1599305
Ion Ratio Lower Upper
43 100
58 58.2 29.0 87.0

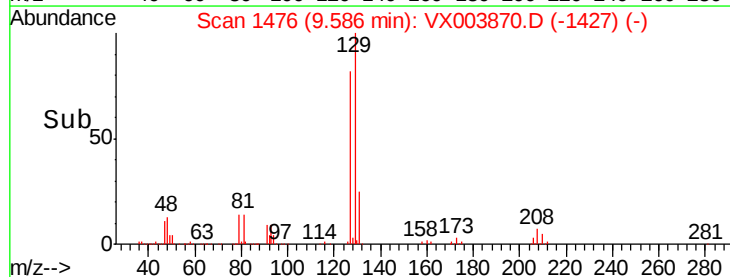
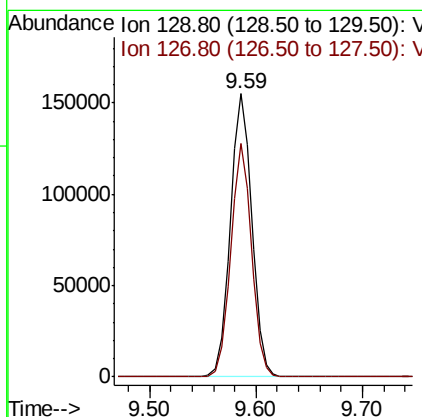
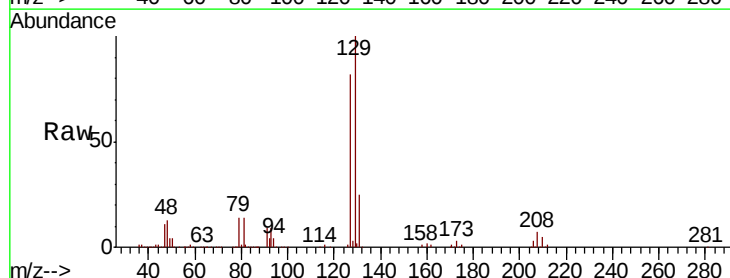
Manual Integrations
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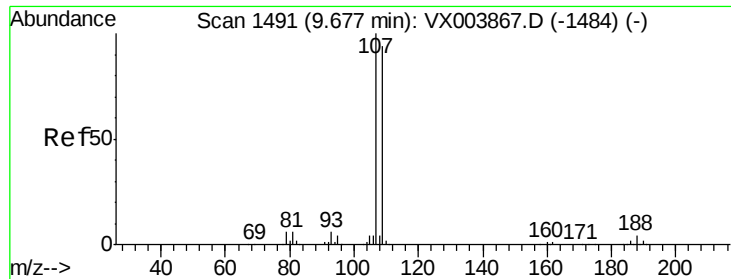
MMDadoda
8/7/2018 1:13:14 PM



#60
Dibromochloromethane
Concen: 50.79 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Tgt Ion: 129 Resp: 220206
Ion Ratio Lower Upper
129 100
127 79.5 38.8 116.3





#61

1,2-Dibromoethane

Concen: 50.92 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

ICVVX080618

Tot Ion:107 Resp: 237055

Ion Ratio Lower Upper

107 100

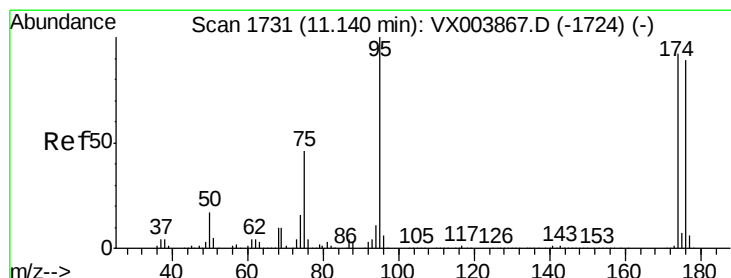
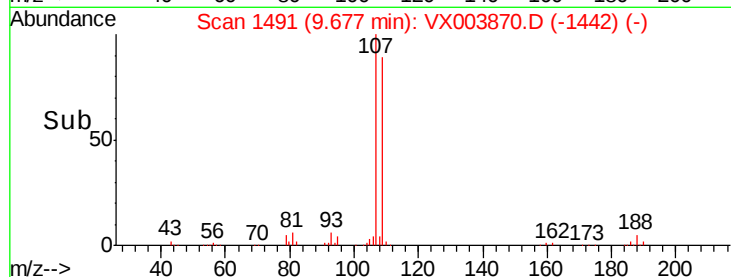
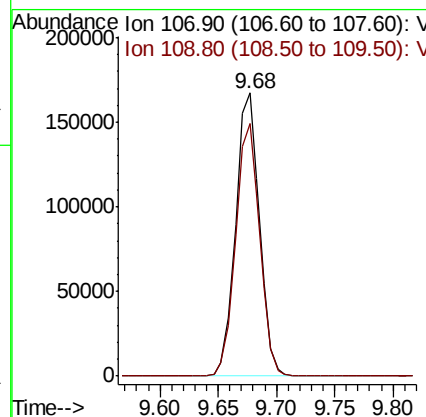
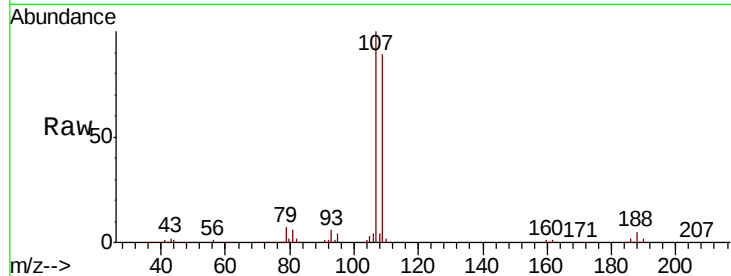
109 91.1 75.8 113.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 52.72 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

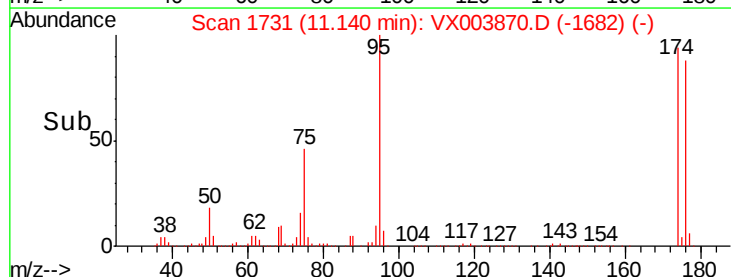
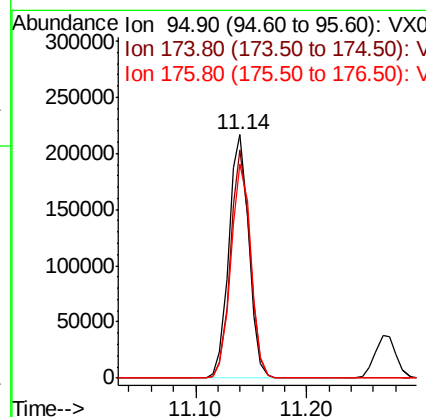
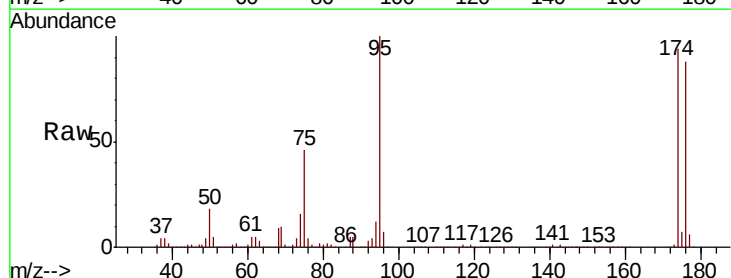
Tgt Ion: 95 Resp: 269127

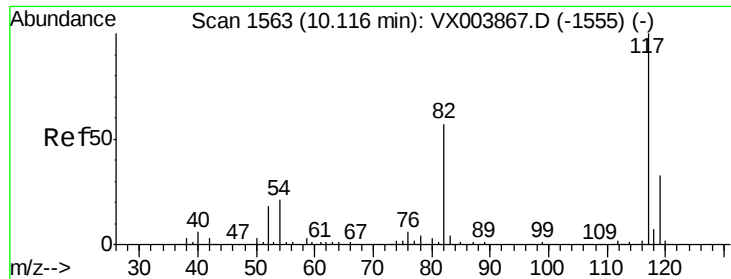
Ion Ratio Lower Upper

95 100

174 91.1 0.0 182.8

176 88.6 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: VX003870.D

Acq: 06 Aug 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

ICVVX080618

Tot Ion:117 Resp: 483212

Ion Ratio Lower Upper

117 100

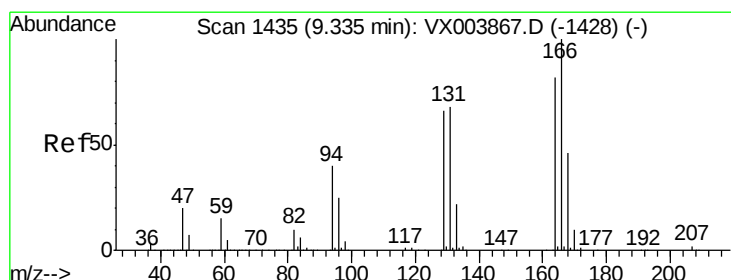
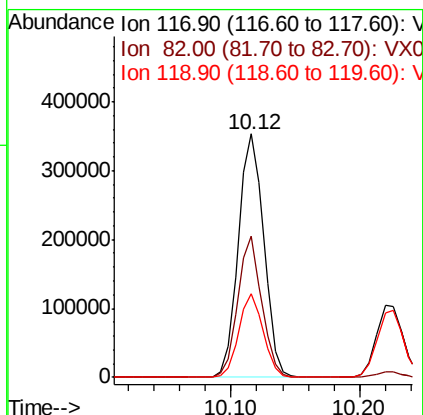
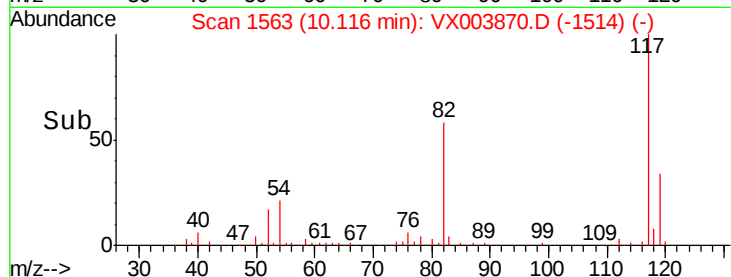
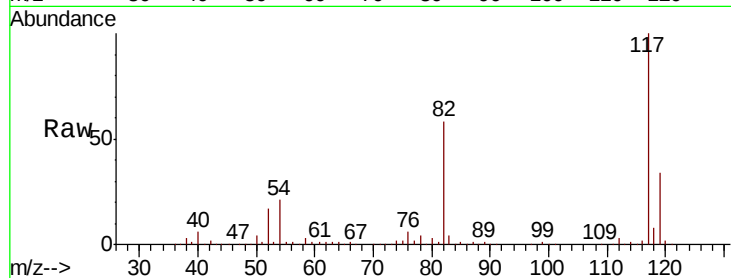
82 57.8 45.4 68.0

119 34.4 26.6 40.0

Manual Integrations
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#64

Tetrachloroethene

Concen: 47.53 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Tgt Ion:164 Resp: 225916

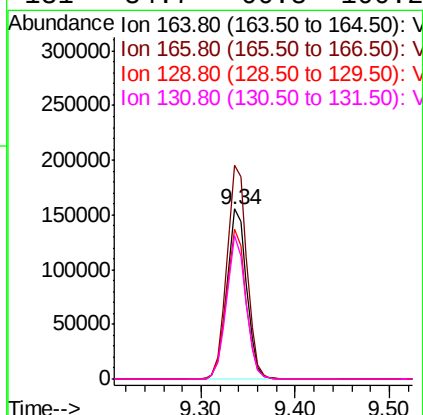
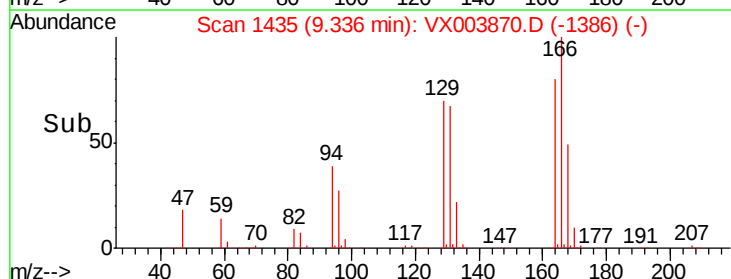
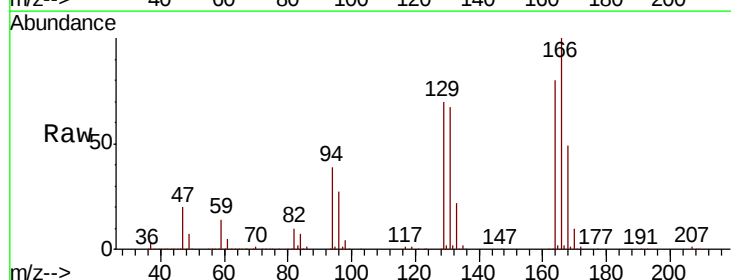
Ion Ratio Lower Upper

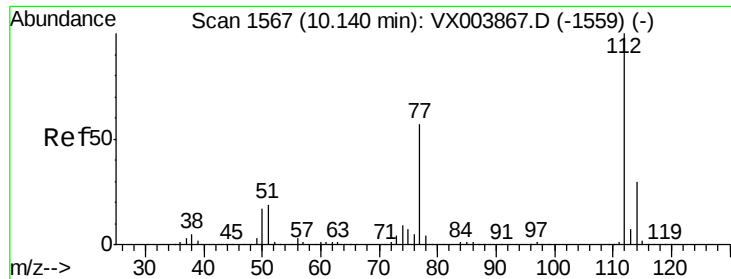
164 100

166 125.7 98.0 147.0

129 88.1 64.3 96.5

131 84.7 66.8 100.2





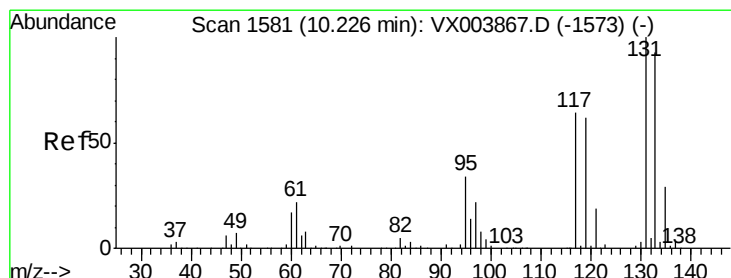
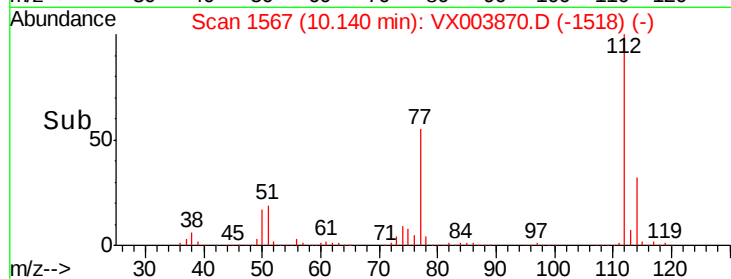
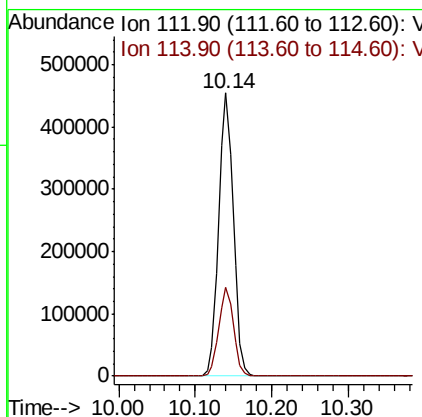
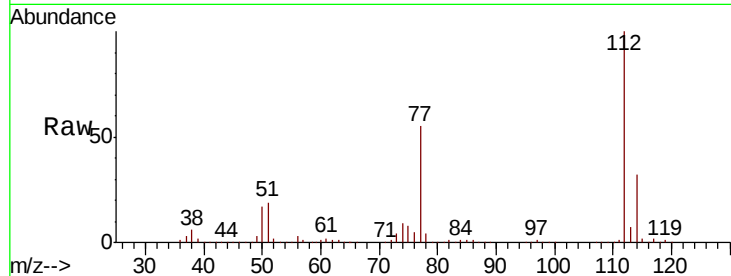
#65
Chlorobenzene
Concen: 48.14 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Instrument :
MSVOA_X
ClientSampled :
ICVVX080618

Tot Ion:112 Resp: 605280
Ion Ratio Lower Upper
112 100
114 31.6 23.6 35.4

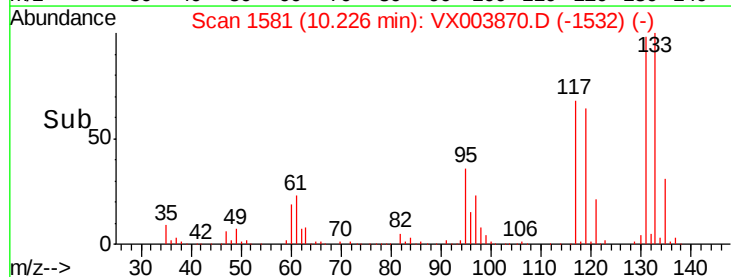
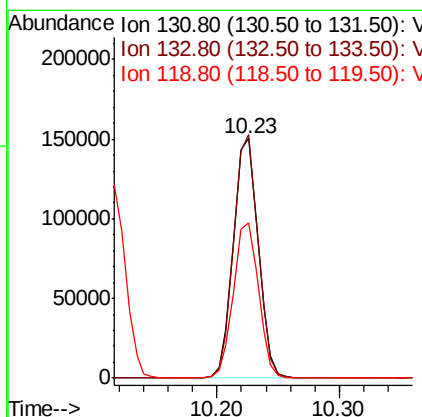
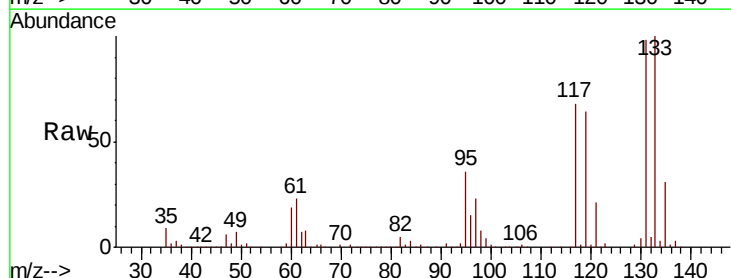
Manual Integrations
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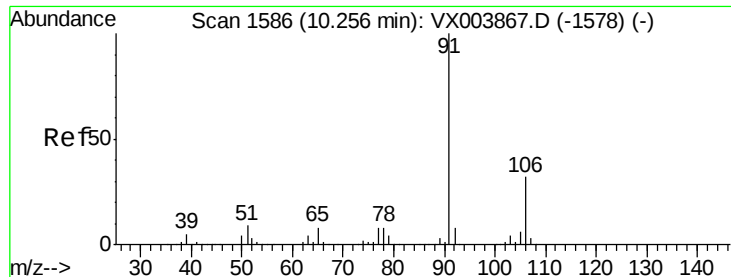
MMDadoda
8/7/2018 1:13:14 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.72 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Tgt Ion:131 Resp: 210571
Ion Ratio Lower Upper
131 100
133 99.6 47.3 141.8
119 65.5 31.6 94.8





#67

Ethyl Benzene

Concen: 50.03 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Instrument :

MSVOA_X

ClientSampled :

ICVVX080618

Tot Ion: 91 Resp: 1029668

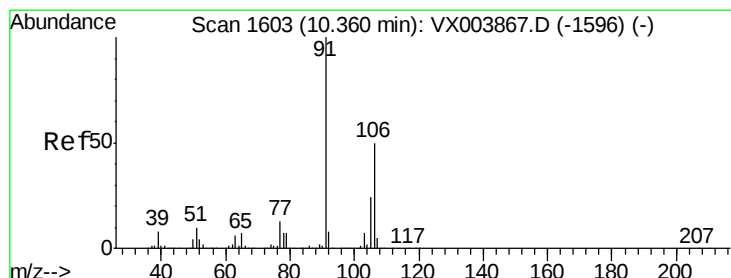
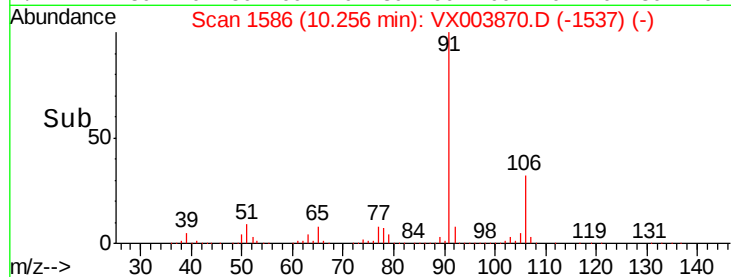
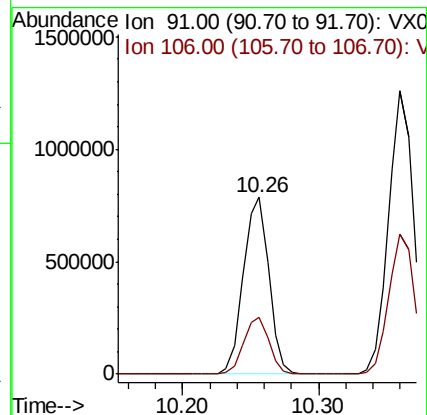
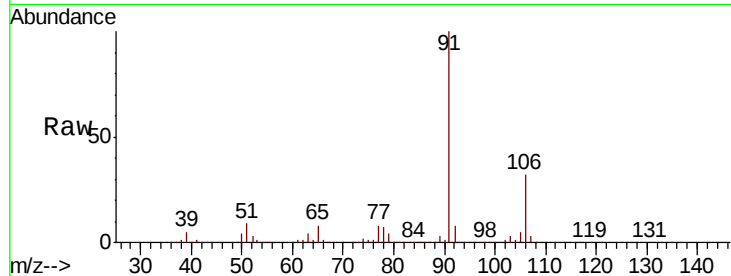
Ion Ratio Lower Upper

91 100

106 32.0 25.9 38.9

Manual Integrations
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#68

m/p-Xylenes

Concen: 102.71 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003870.D

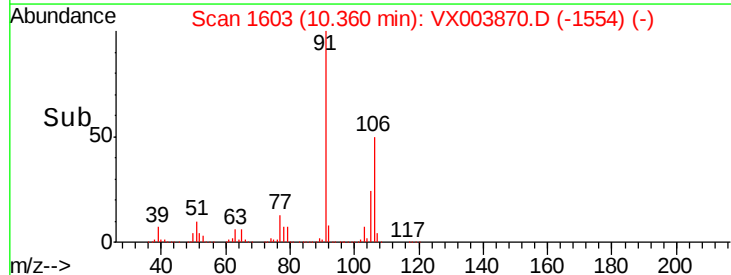
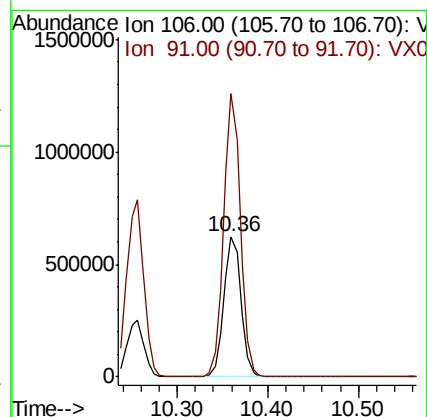
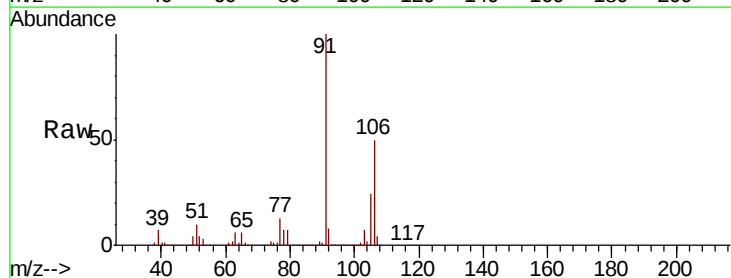
Acq: 06 Aug 2018 19:07

Tgt Ion: 106 Resp: 826024

Ion Ratio Lower Upper

106 100

91 197.3 162.3 243.5





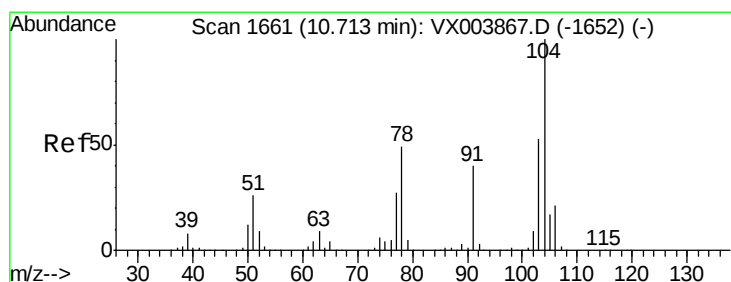
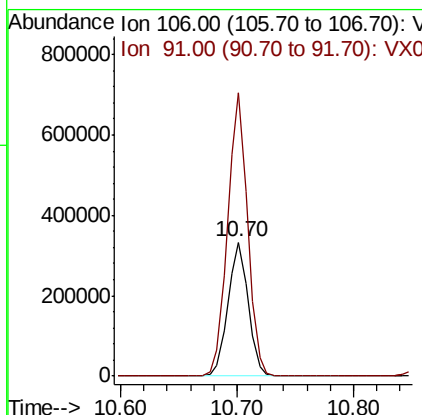
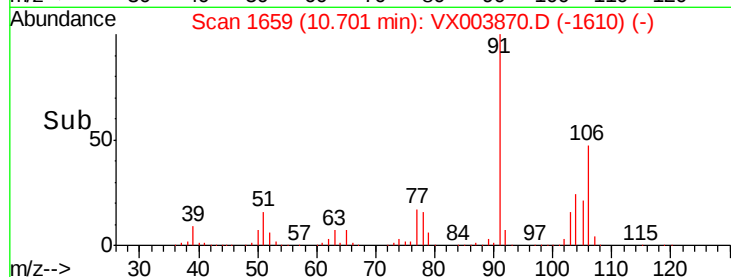
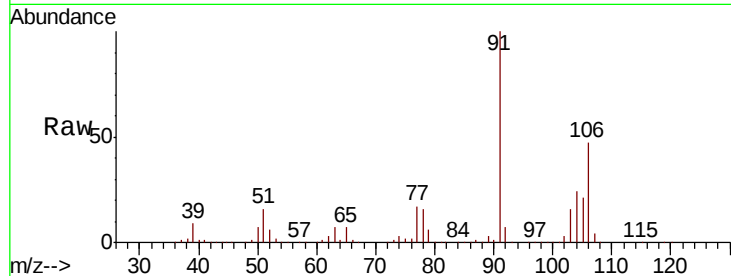
#69
o-Xylene
Concen: 52.95 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080618

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.0	101.9	305.7

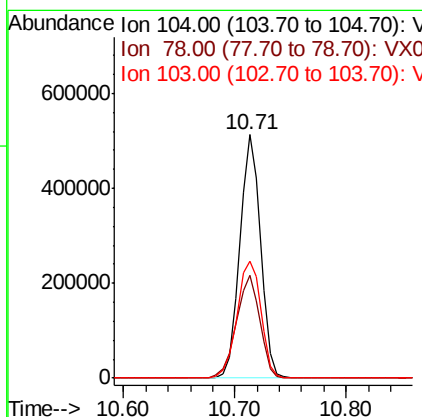
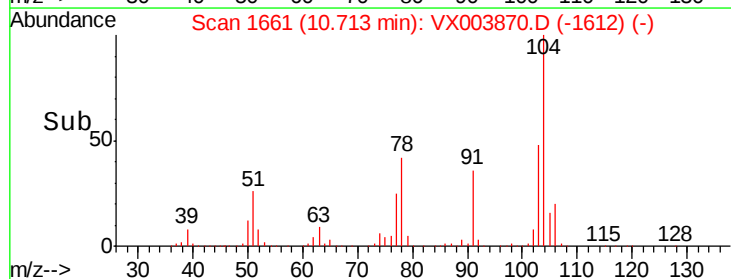
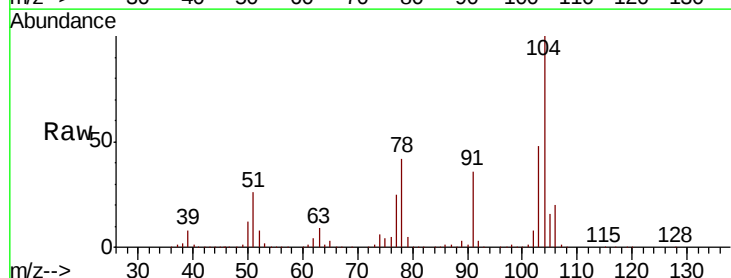
Manual Integrations
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#70
Styrene
Concen: 53.06 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.6	39.8	59.6
103	55.5	44.3	66.5





#71

Bromoform

Concen: 46.89 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

ICVVX080618

Tot Ion:173 Resp: 171146

Ion Ratio Lower Upper

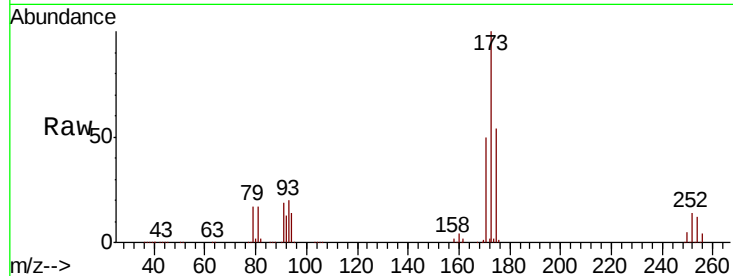
173 100

175 48.7 24.9 74.7

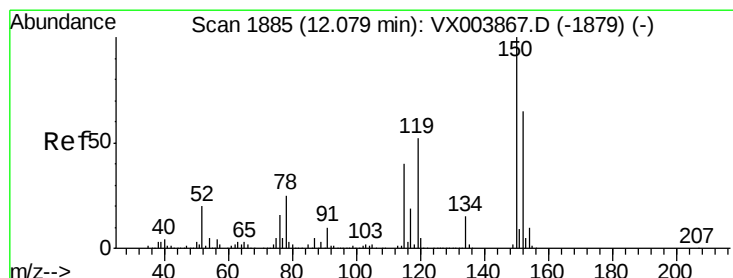
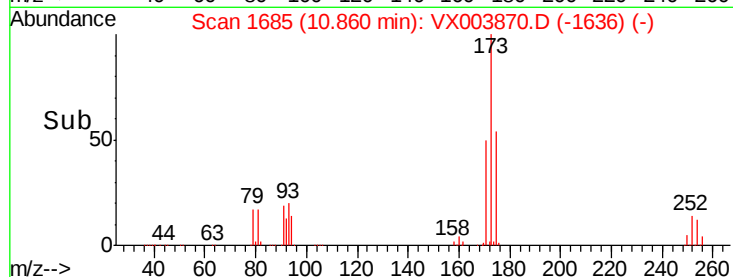
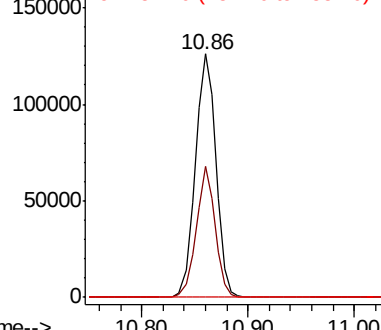
254 0.2 0.2 0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

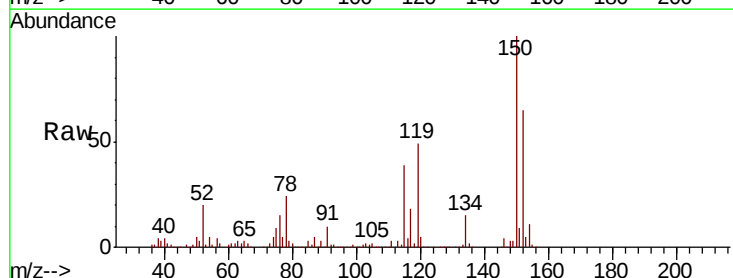
Tgt Ion:152 Resp: 277224

Ion Ratio Lower Upper

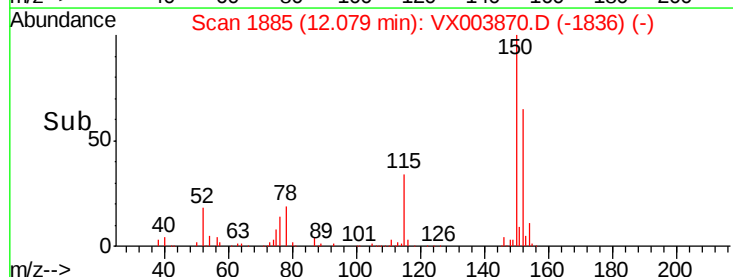
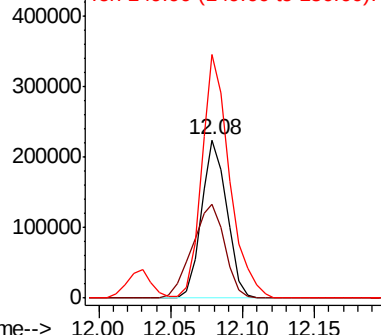
152 100

115 75.5 39.1 117.3

150 168.2 0.0 349.2



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





#73

Isopropylbenzene

Concen: 51.14 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

ICVVX080618

Tot Ion:105 Resp: 1048707

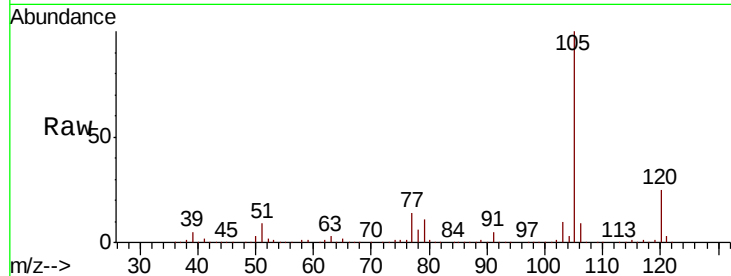
Ion Ratio Lower Upper

105 100

120 25.9 12.6 37.8

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1000000

800000

600000

400000

200000

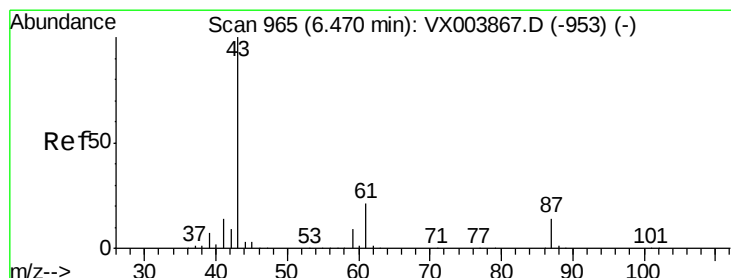
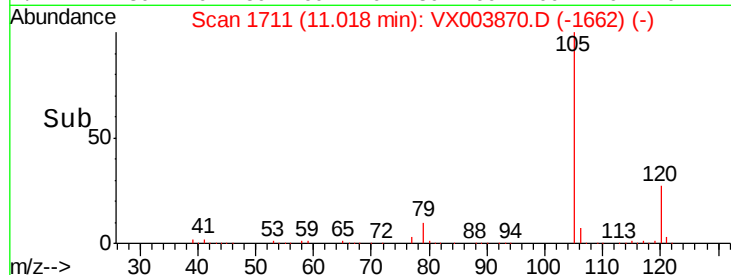
0

11.02

10.90

11.10

Time-->



#74

N-ethyl acetate

Concen: 47.19 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Tgt Ion: 43 Resp: 503238

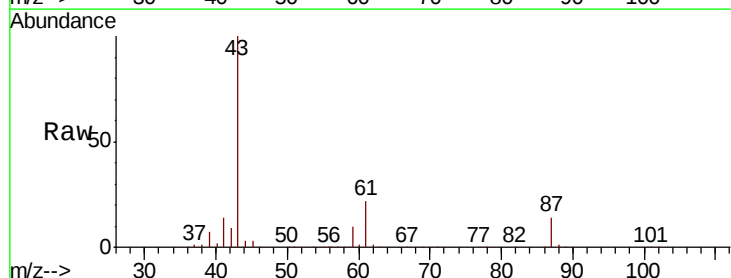
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 21.3 16.9 25.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

300000

250000

200000

150000

100000

50000

0

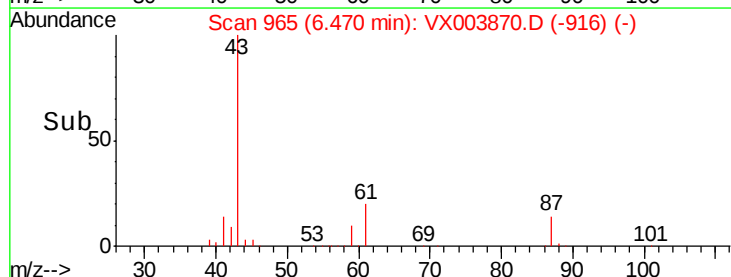
6.47

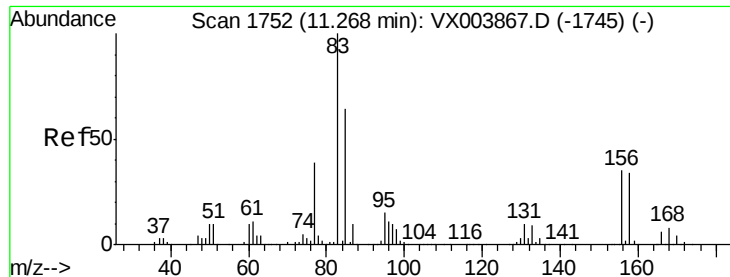
6.30

6.60

6.70

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.36 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Instrument :

MSVOA_X

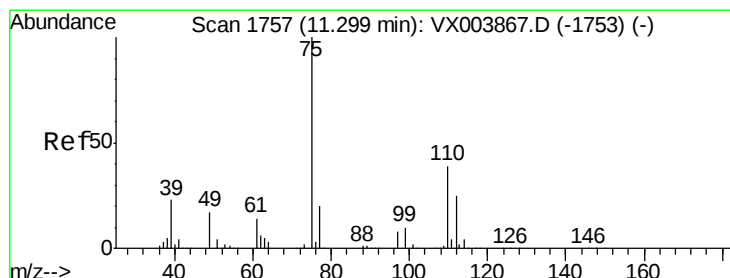
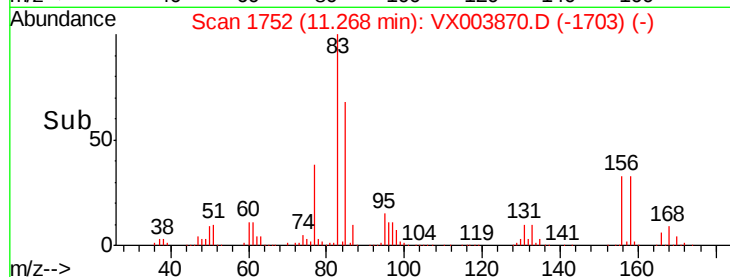
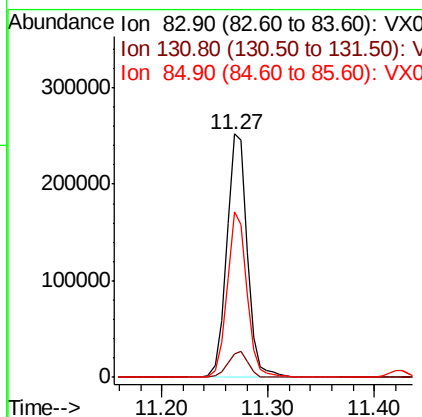
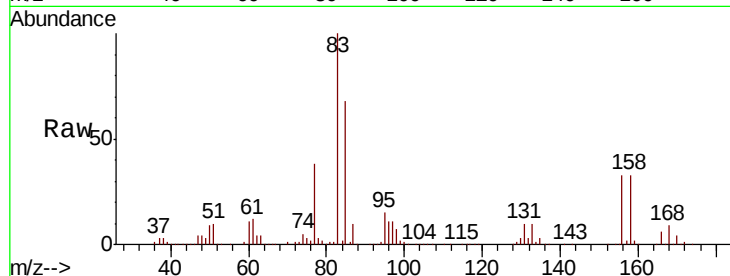
ClientSampleId :

ICVVX080618

Tot Ion:	83	Resp:	339920
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	65.8	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.78 ug/l m

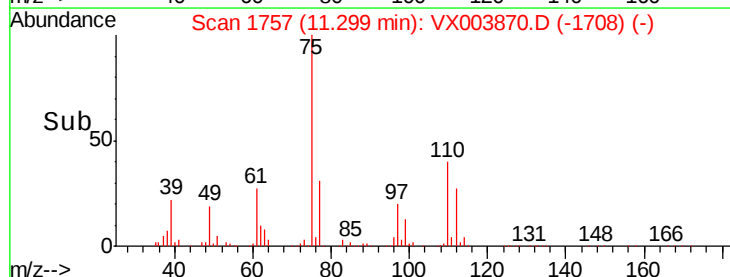
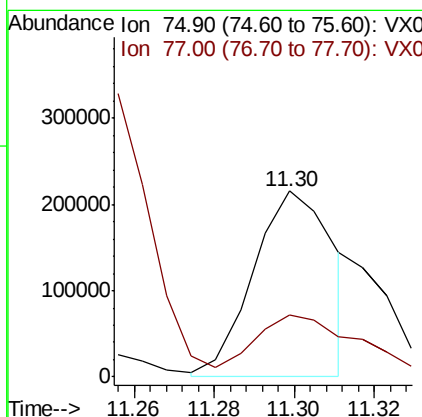
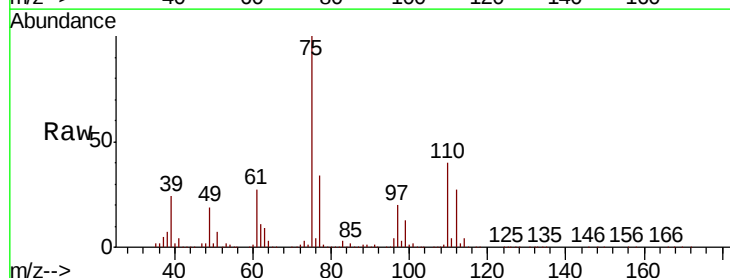
RT: 11.30 min Scan# 1757

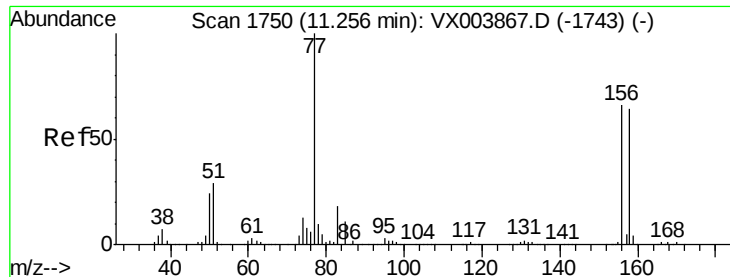
Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Tgt Ion:	75	Resp:	298684
Ion	Ratio	Lower	Upper
75	100		
77	43.4	20.8	62.5





#77

Bromobenzene

Concen: 50.21 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

ICVVX080618

Tot Ion: 156 Resp: 274689

Ion Ratio Lower Upper

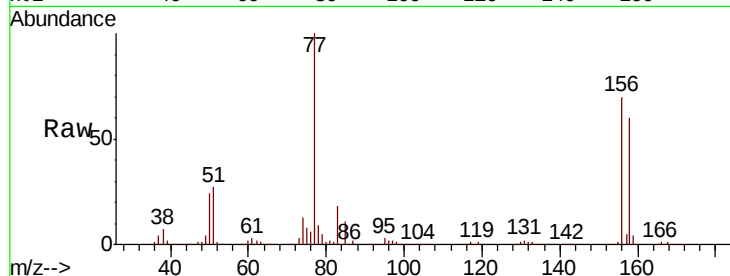
156 100

77 145.2 74.1 222.2

158 94.1 48.6 145.9

Manual Integrations
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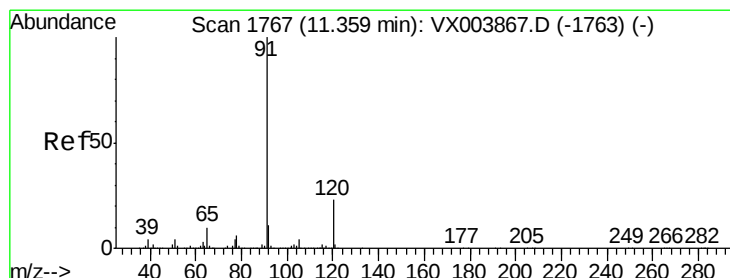
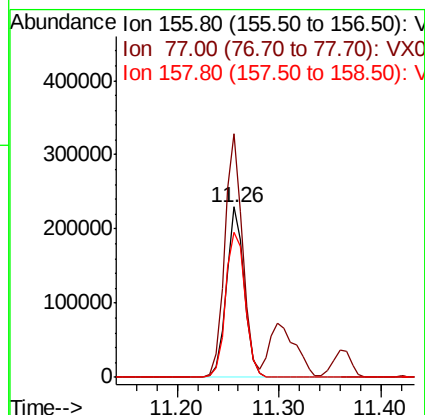
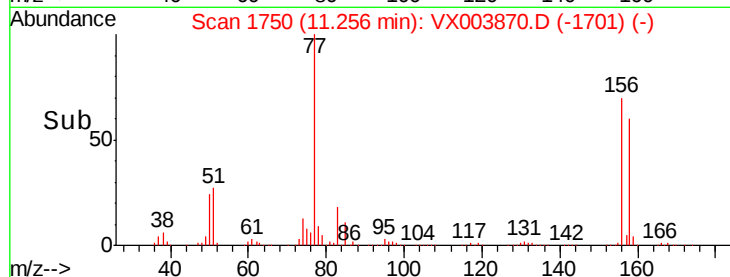
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.24 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003870.D

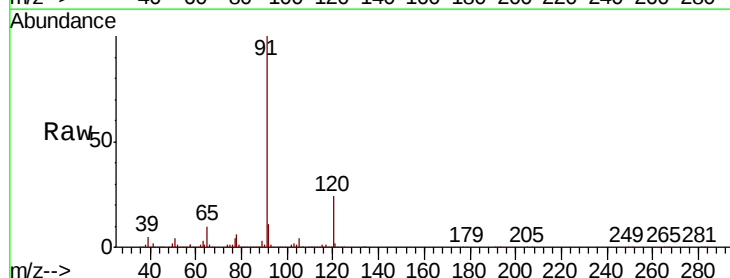
Acq: 06 Aug 2018 19:07

Tgt Ion: 91 Resp: 1202993

Ion Ratio Lower Upper

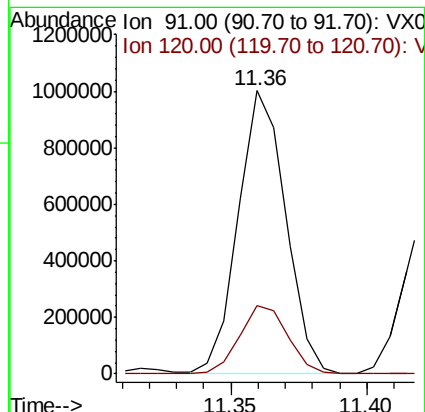
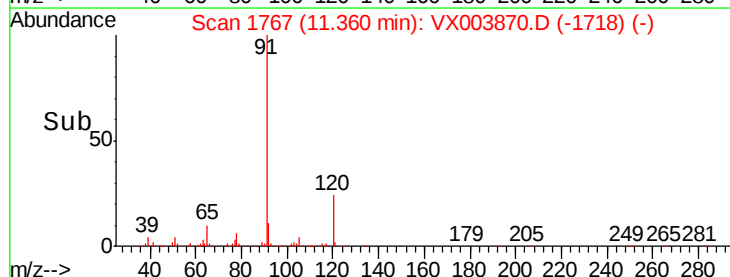
91 100

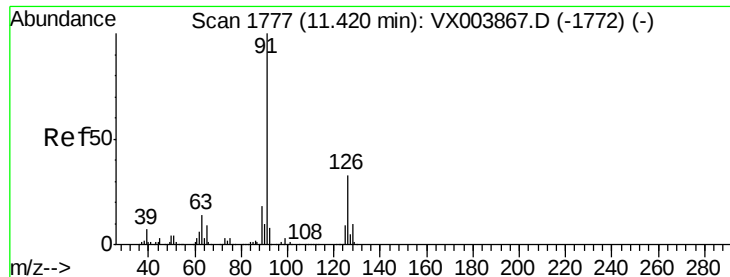
120 24.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.92 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

ICVVX080618

Tot Ion: 91 Resp: 714924

Ion Ratio Lower Upper

91 100

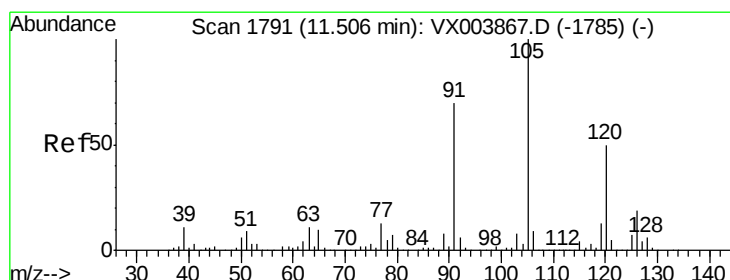
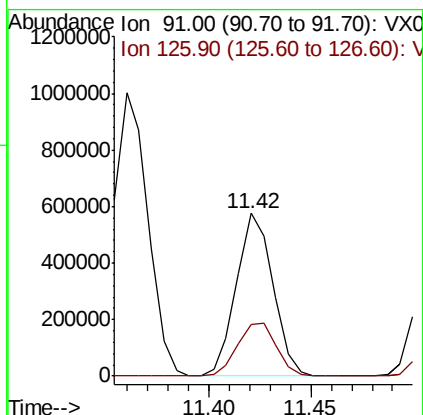
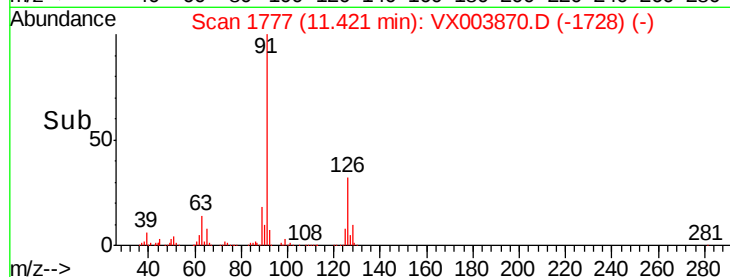
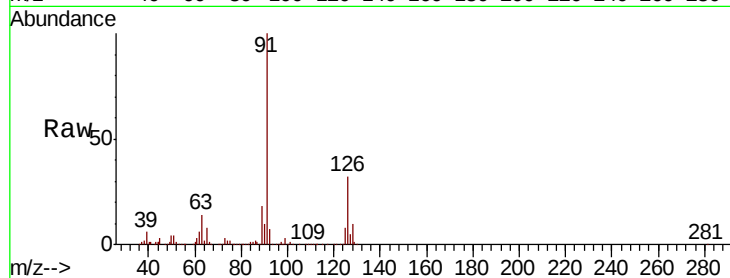
126 34.9 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.90 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003870.D

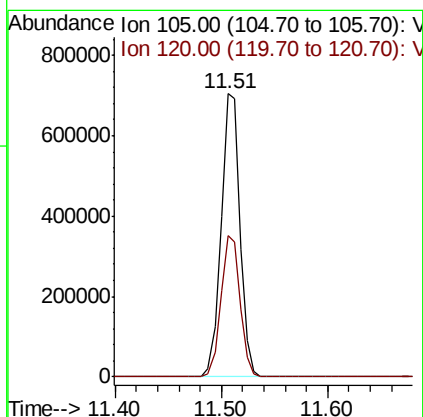
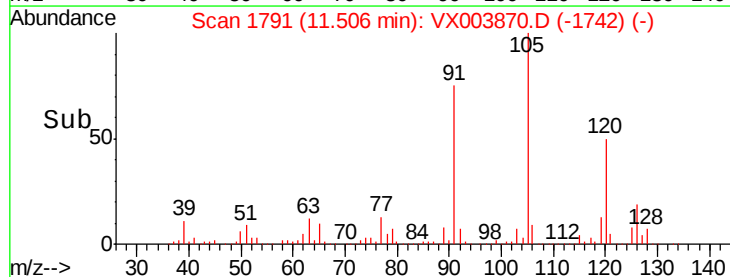
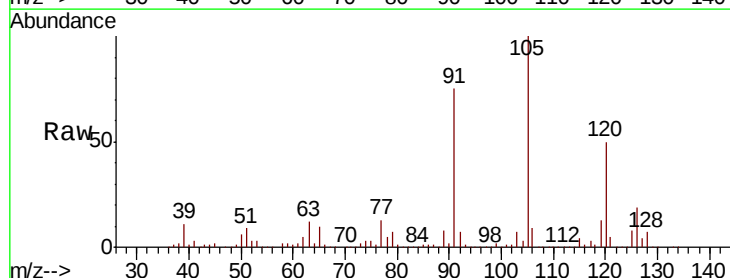
Acq: 06 Aug 2018 19:07

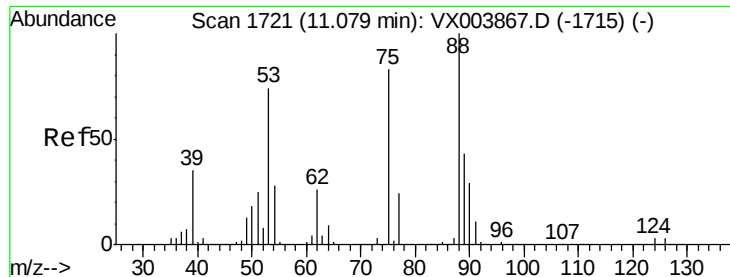
Tgt Ion: 105 Resp: 867915

Ion Ratio Lower Upper

105 100

120 50.7 25.4 76.2





#81

trans-1,4-Dichloro-2-butene

Concen: 47.09 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Instrument :

MSVOA_X

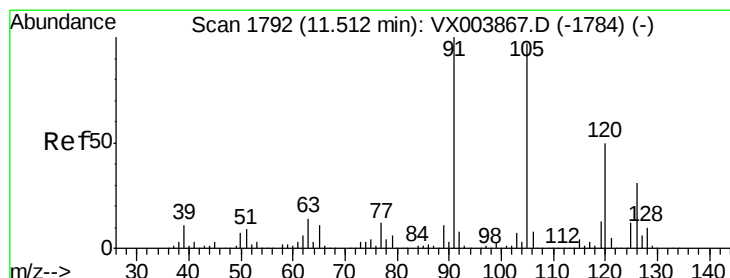
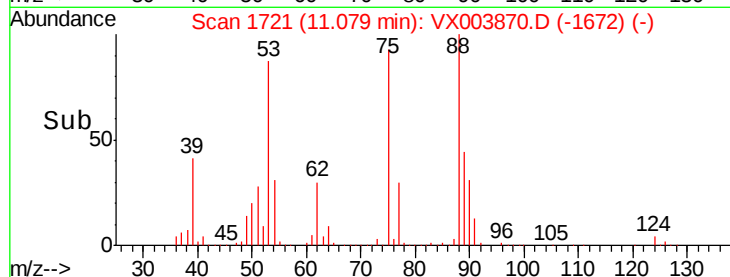
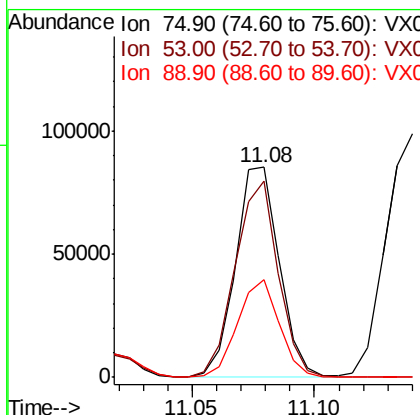
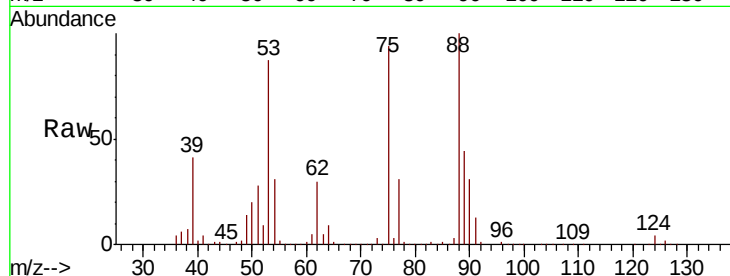
ClientSampled :

ICVVX080618

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.1	80.3	120.5
89	44.7	37.8	56.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.26 ug/l

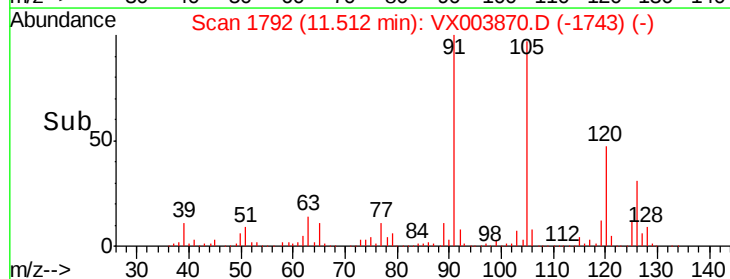
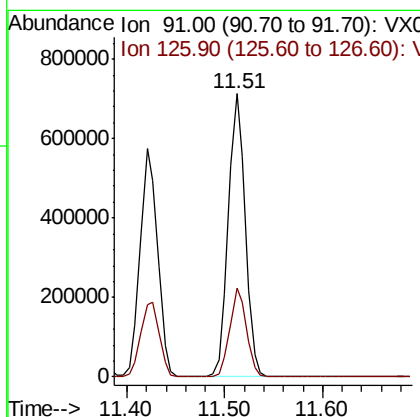
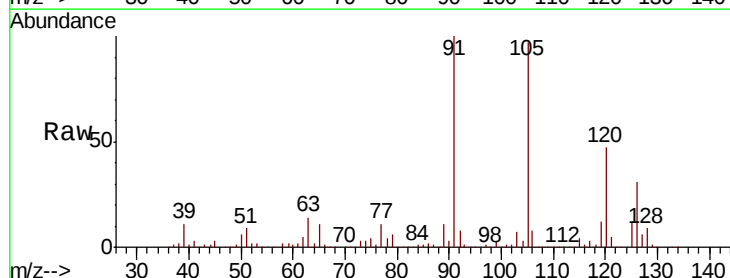
RT: 11.51 min Scan# 1792

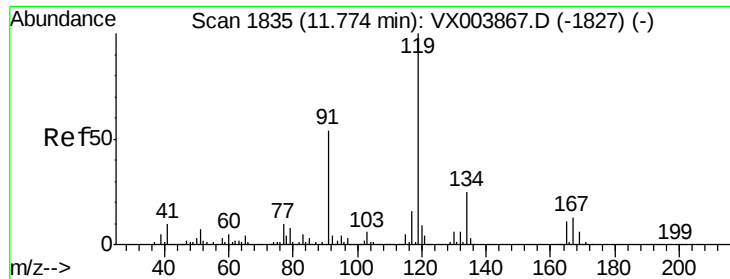
Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.6	46.7





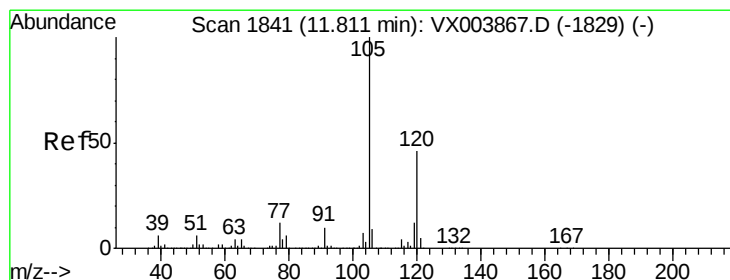
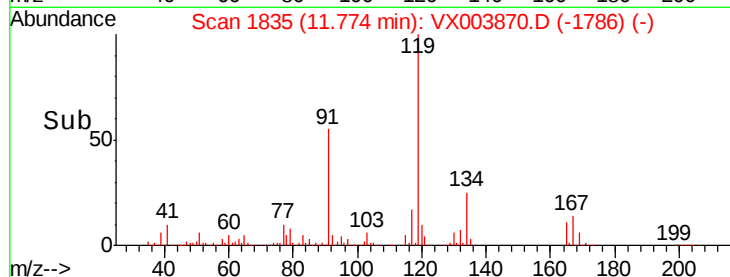
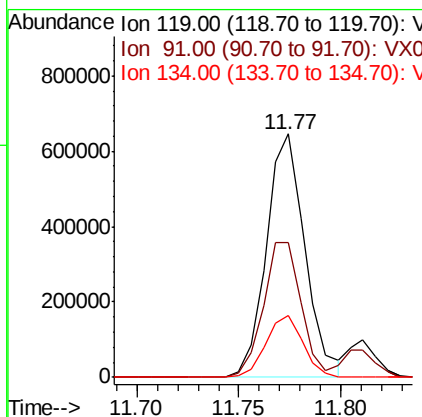
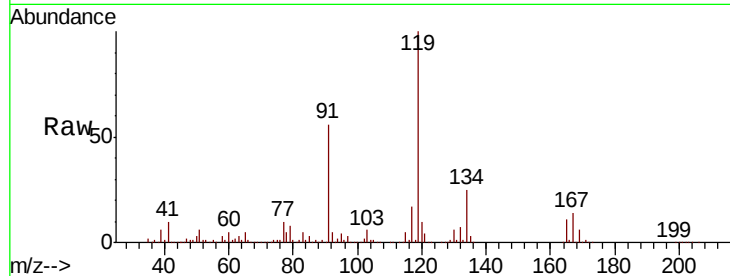
#83
tert-Butylbenzene
Concen: 51.63 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080618

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.3	26.9	80.7
134	24.4	12.0	36.0

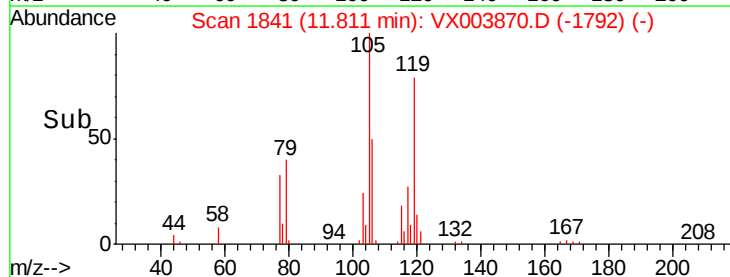
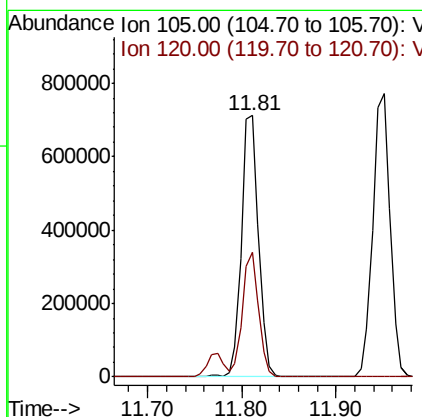
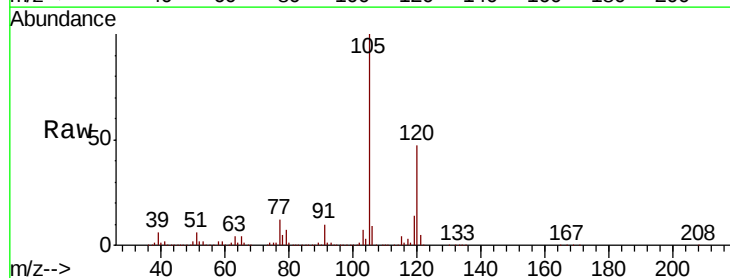
Manual Integrations
APPROVED

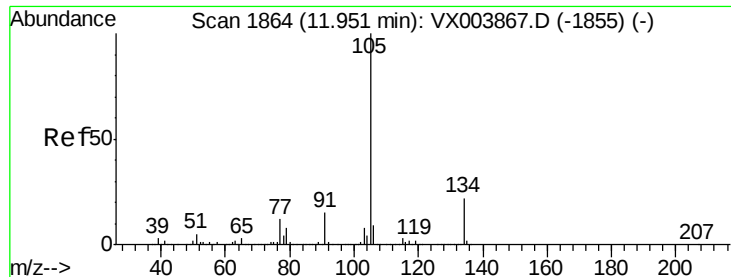
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 53.22 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	23.1	69.2





#85

sec-Butylbenzene

Concen: 50.66 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

Instrument :

MSVOA_X

ClientSampleId :

ICVVX080618

Tot Ion:105 Resp: 983618

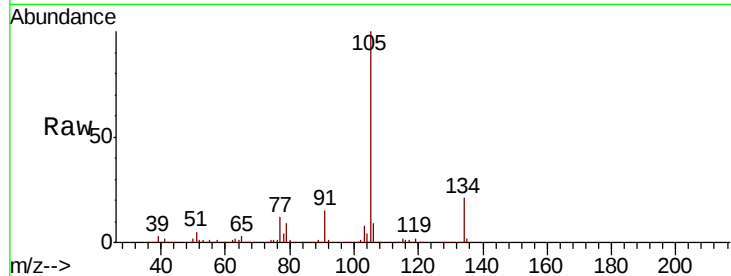
Ion Ratio Lower Upper

105 100

134 20.5 10.3 30.9

Manual Integrations
APPROVED

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

800000

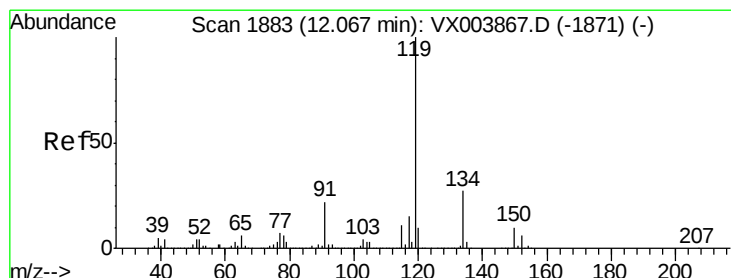
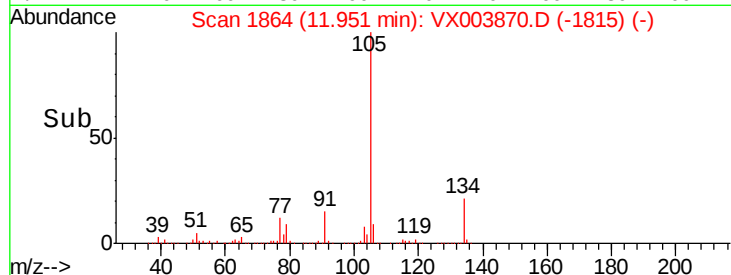
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 51.63 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003870.D

Acq: 06 Aug 2018 19:07

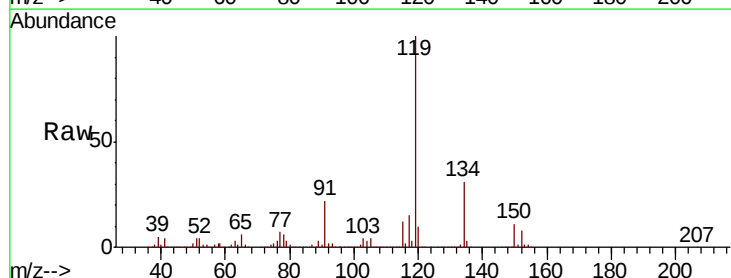
Tgt Ion:119 Resp: 899550

Ion Ratio Lower Upper

119 100

134 27.1 13.3 39.8

91 21.1 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

1000000

800000

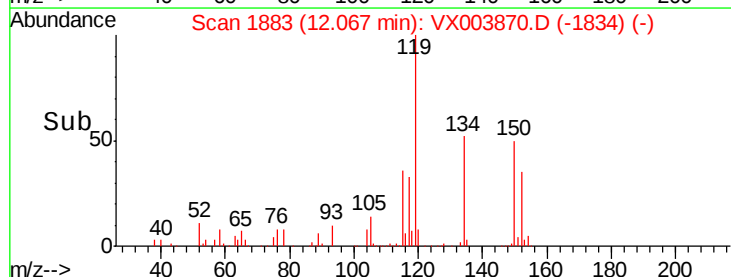
600000

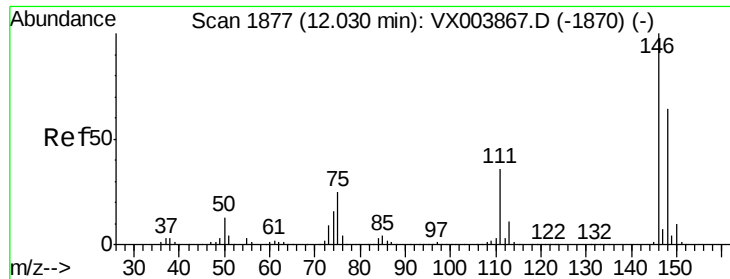
400000

200000

0

Time-->





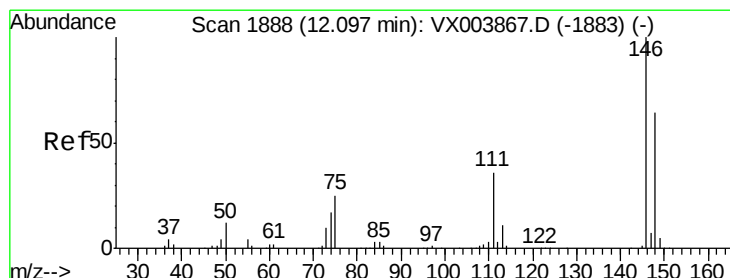
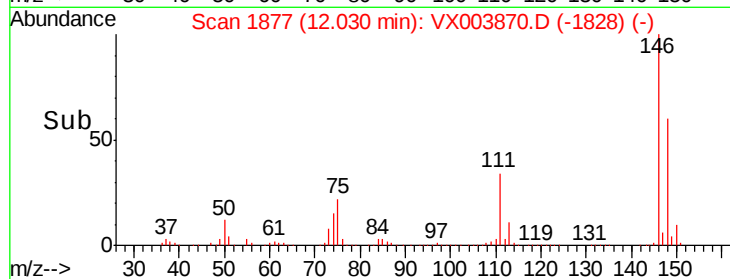
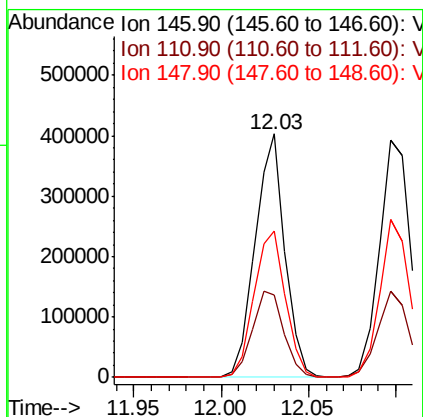
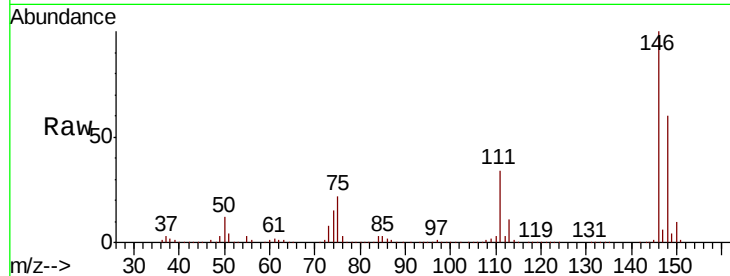
#87
 1,3-Dichlorobenzene
 Concen: 46.92 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003870.D
 Acq: 06 Aug 2018 19:07

Instrument :
 MSVOA_X
 ClientSampleID :
 ICVVX080618

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	63.6	31.9	95.5

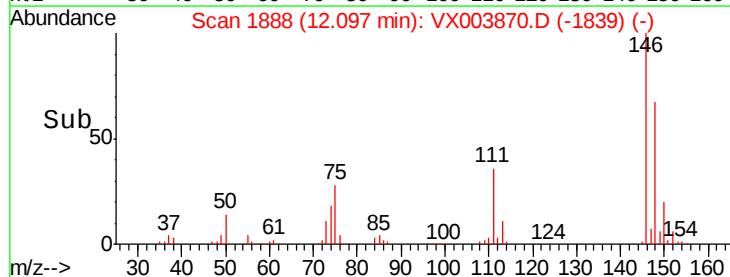
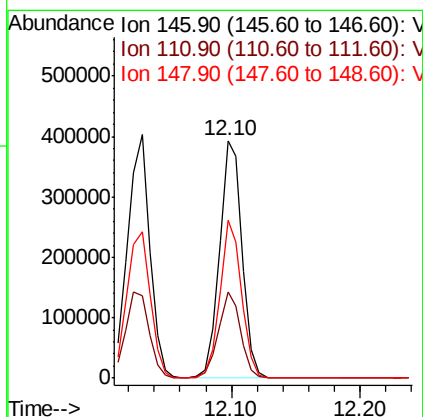
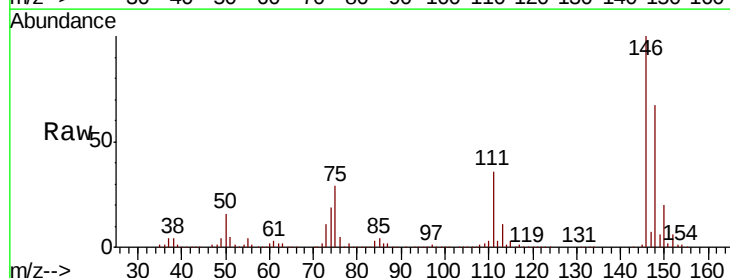
Manual Integrations
 APPROVED

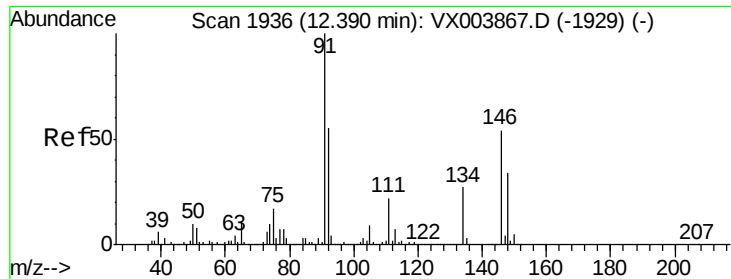
MMDadoda
 8/7/2018 1:13:14 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.85 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003870.D
 Acq: 06 Aug 2018 19:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.4	55.0
148	63.9	32.3	96.8





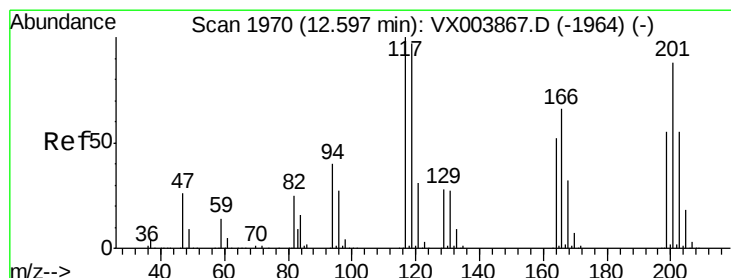
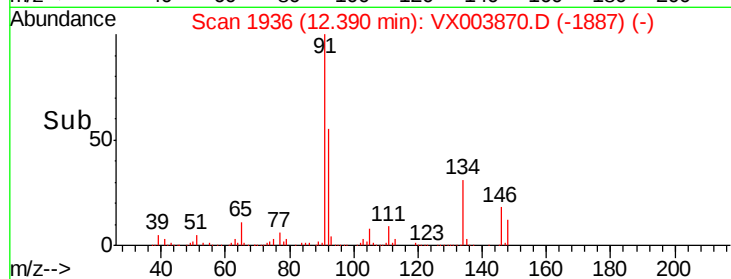
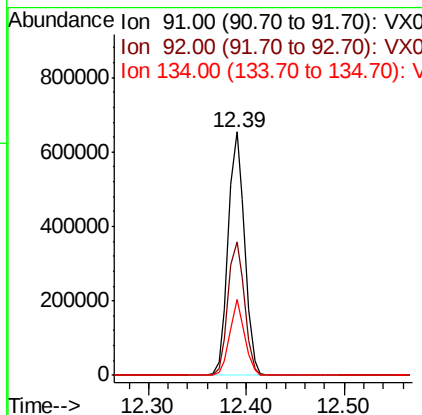
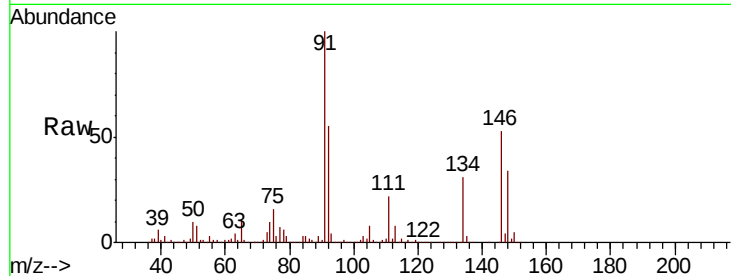
#89
n-Butylbenzene
Concen: 50.03 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080618

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.6	27.1	81.3	
134	28.2	13.6	40.7	

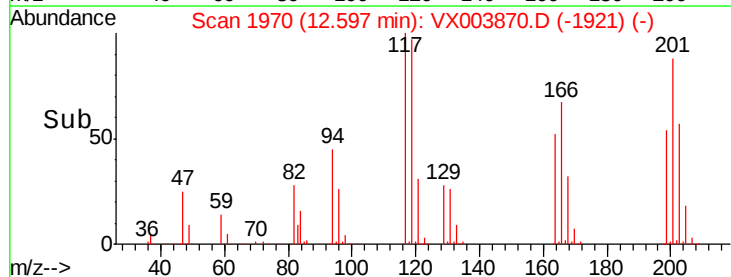
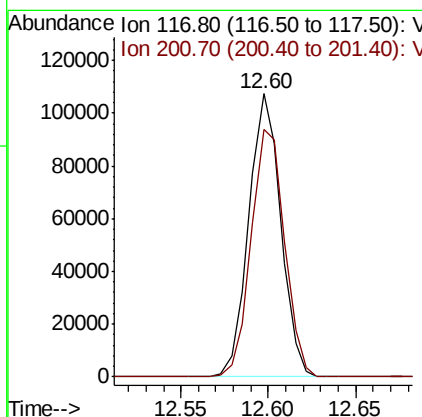
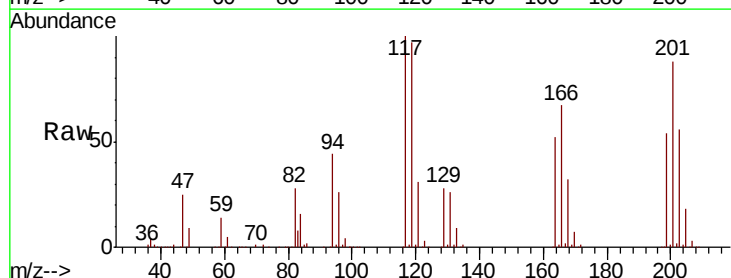
Manual Integrations
APPROVED

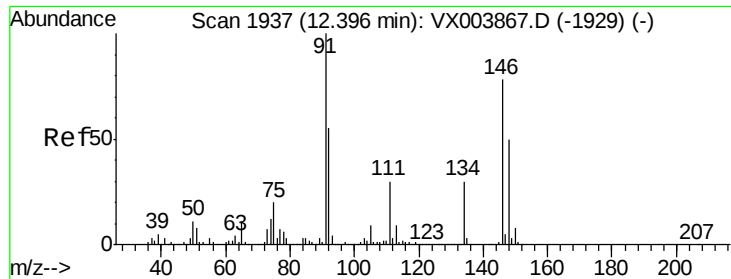
MMDadoda
8/7/2018 1:13:14 PM



#90
Hexachloroethane
Concen: 48.11 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	91.5	46.1	138.2	





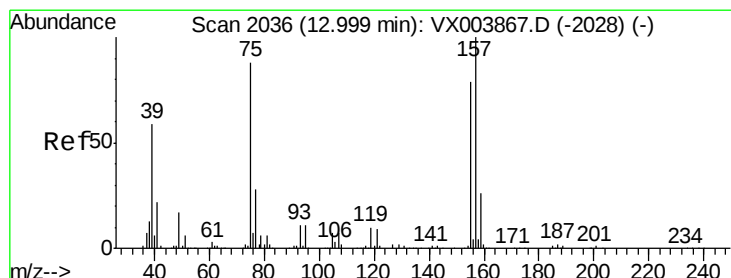
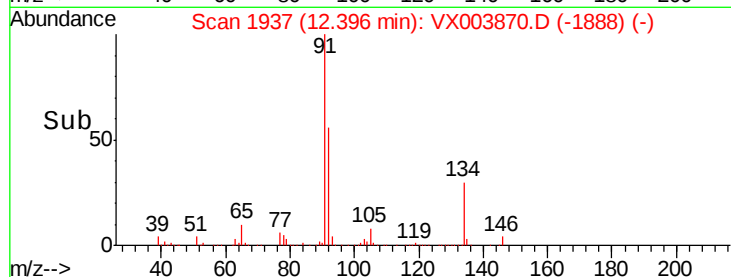
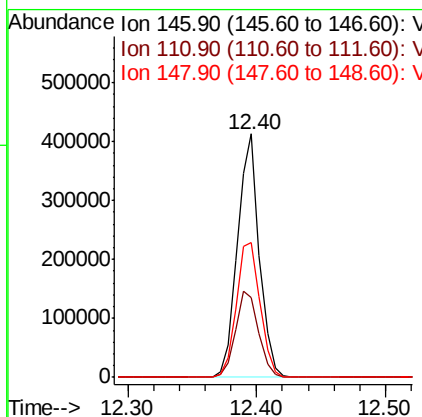
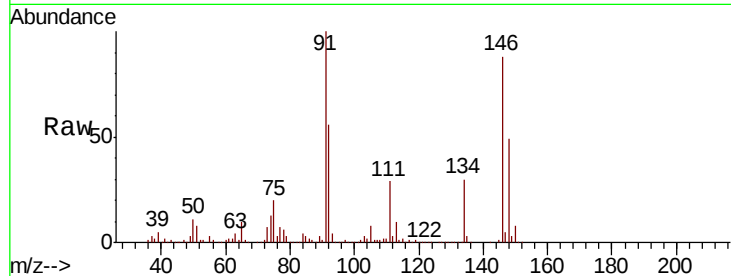
#91
 1,2-Dichlorobenzene
 Concen: 48.34 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003870.D
 Acq: 06 Aug 2018 19:07

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX080618

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.7	59.0
148	60.6	31.9	95.5

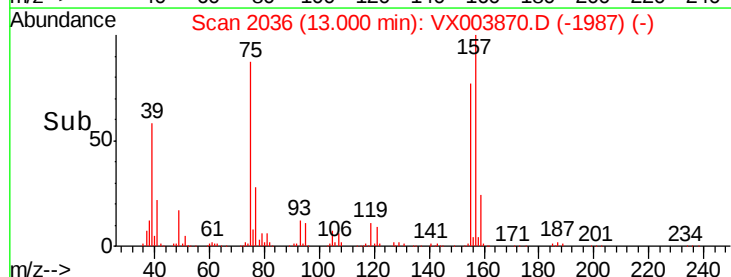
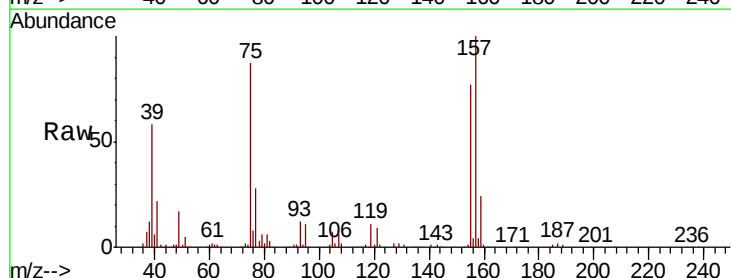
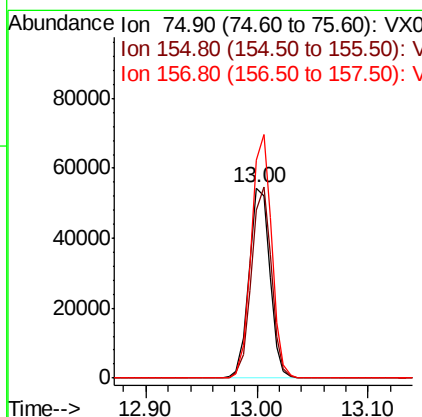
Manual Integrations
 APPROVED

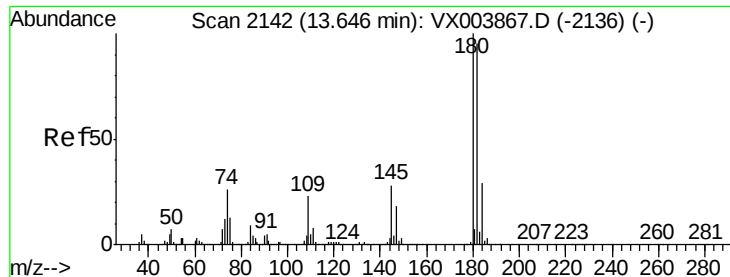
MMDadoda
 8/7/2018 1:13:14 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.15 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX003870.D
 Acq: 06 Aug 2018 19:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.6	48.7	146.1
157	124.8	62.6	187.8





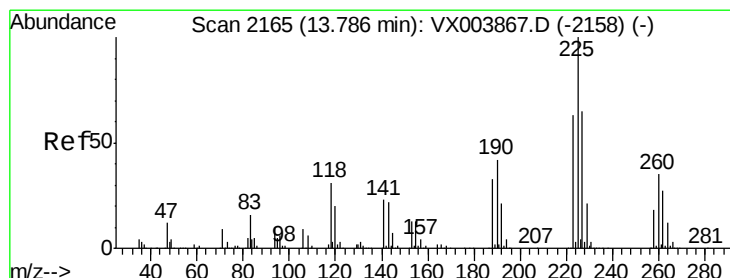
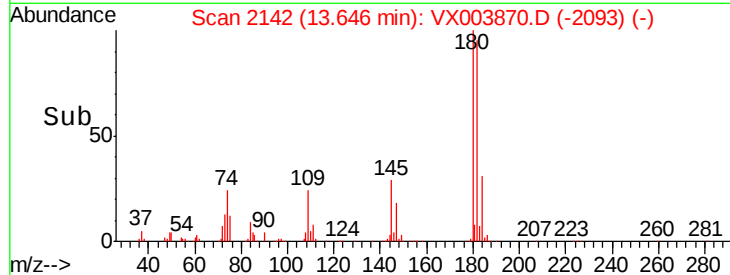
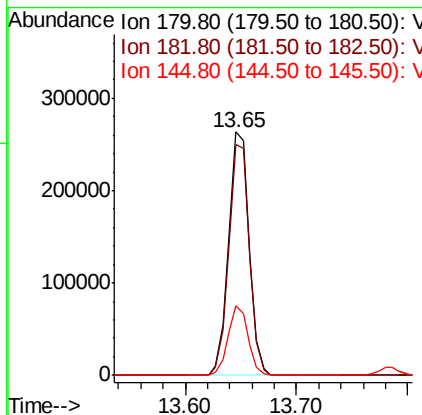
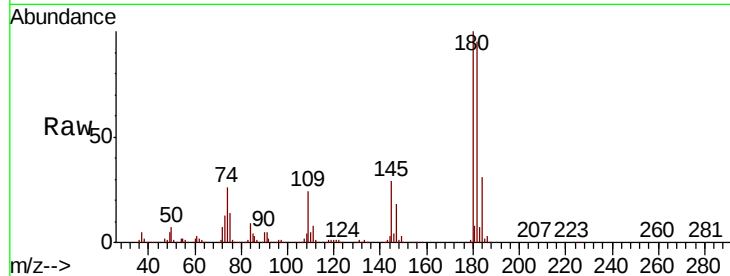
#93
 1,2,4-Trichlorobenzene
 Concen: 46.42 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003870.D
 Acq: 06 Aug 2018 19:07

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX080618

Tot Ion	Ratio	Resp	Lower	Upper
180	100	334650		
182	95.4	47.7	143.1	
145	27.9	13.9	41.6	

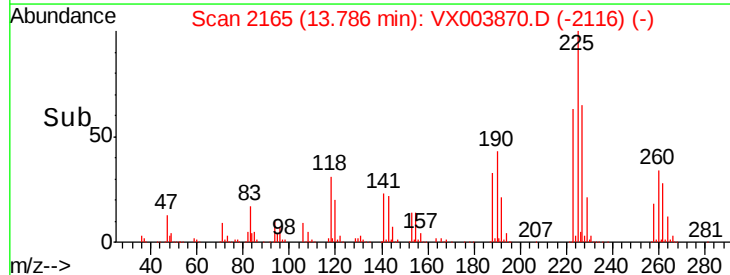
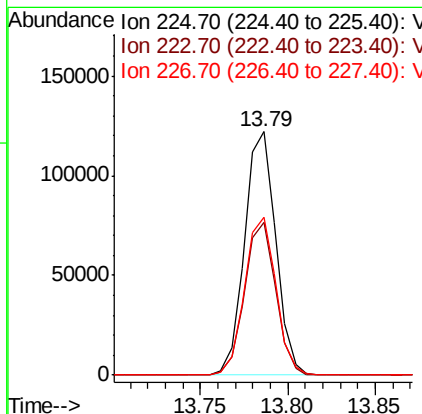
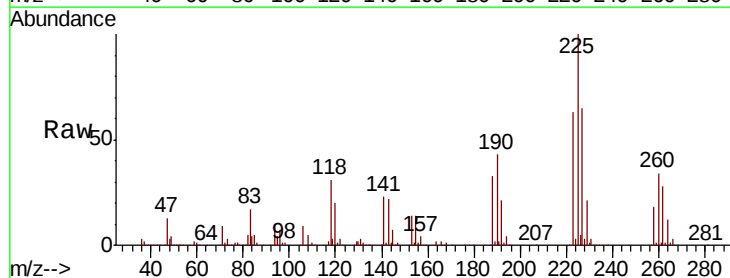
Manual Integrations
 APPROVED

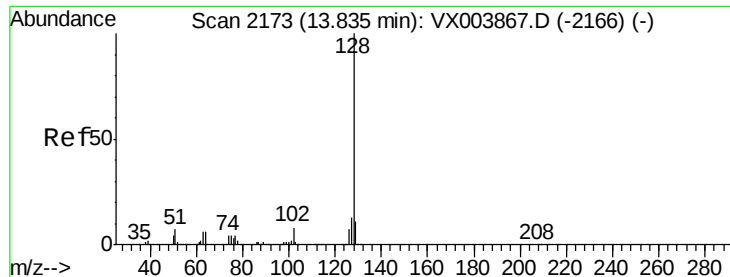
MMDadoda
 8/7/2018 1:13:14 PM



#94
 Hexachlorobutadiene
 Concen: 47.35 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003870.D
 Acq: 06 Aug 2018 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	150538		
223	62.7	31.4	94.0	
227	65.1	32.1	96.5	





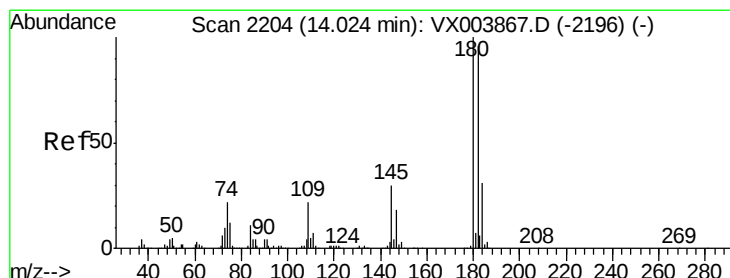
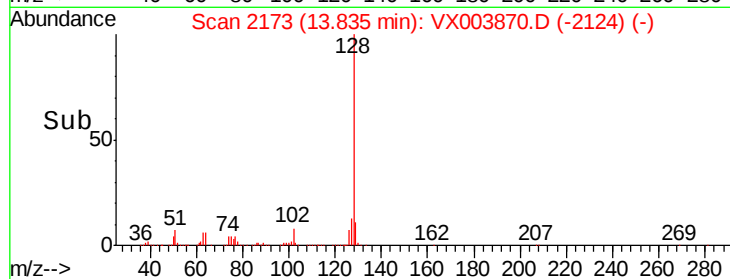
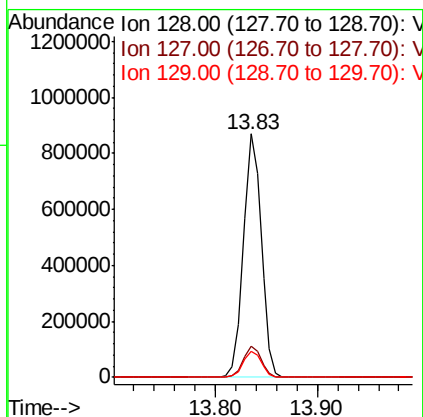
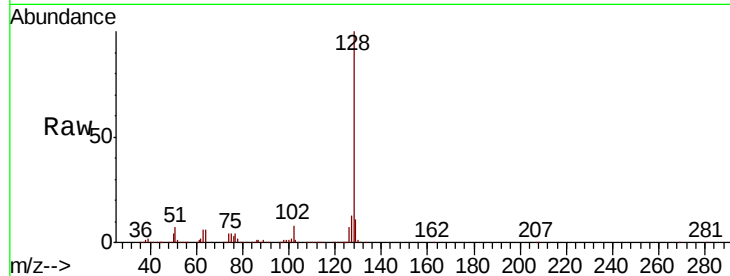
#95
Naphthalene
Concen: 51.01 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Instrument :
MSVOA_X
ClientSampleId :
ICVVX080618

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/7/2018 1:13:14 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.80 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003870.D
Acq: 06 Aug 2018 19:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.1	144.4
145	29.9	14.9	44.7

