

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080318\
 Data File : VX003833.D
 Acq On : 02 Aug 2018 19:49
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 1:35:40 PM

Quant Time: Aug 03 01:46:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 03 01:37:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	109173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	154352	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	148708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	89733	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	27284	16.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.60%	
35) Dibromofluoromethane	5.51	113	22897	18.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.30%	
50) Toluene-d8	8.72	98	90838	18.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.90%	
62) 4-Bromofluorobenzene	11.14	95	32033	18.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	22545	18.70	ug/l	99
3) Chloromethane	1.32	50	30860	18.58	ug/l	98
4) Vinyl Chloride	1.40	62	27693	16.98	ug/l	100
5) Bromomethane	1.64	94	16027	20.50	ug/l	99
6) Chloroethane	1.72	64	16935	17.42	ug/l	94
7) Trichlorofluoromethane	1.93	101	36897	17.73	ug/l	99
8) Diethyl Ether	2.19	74	15235	16.24	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	22125	17.46	ug/l	99
10) Methyl Iodide	2.51	142	27748	16.83	ug/l	99
11) Tert butyl alcohol	3.07	59	30988	81.48	ug/l	100
12) 1,1-Dichloroethene	2.37	96	21148	17.13	ug/l	100
13) Acrolein	2.29	56	25053	125.90	ug/l	99
14) Allyl chloride	2.73	41	38803	15.18	ug/l	99
15) Acrylonitrile	3.15	53	70489	76.52	ug/l	100
16) Acetone	2.45	43	72897	94.02	ug/l	99
17) Carbon Disulfide	2.57	76	59046	16.63	ug/l	100
18) Methyl Acetate	2.78	43	31977	14.26	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	72681	16.37	ug/l	100
20) Methylene Chloride	2.86	84	24712	16.52	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	22977	17.12	ug/l	94
22) Diisopropyl ether	3.88	45	73256	15.55	ug/l	95
23) Vinyl Acetate	3.82	43	310924	76.93	ug/l	99
24) 1,1-Dichloroethane	3.70	63	41931	15.72	ug/l	99
25) 2-Butanone	4.71	43	122463	100.07	ug/l	99
26) 2,2-Dichloropropane	4.59	77	28546	17.04	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	25930	17.49	ug/l	96
28) Bromochloromethane	5.03	49	20584	18.46	ug/l	98
29) Tetrahydrofuran	5.17	42	63647	83.80	ug/l	99
30) Chloroform	5.22	83	43664	17.70	ug/l	98
31) Cyclohexane	5.58	56	37715	18.12	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	37190	18.41	ug/l	99
36) 1,1-Dichloropropene	5.80	75	32452	18.39	ug/l	99
37) Ethyl Acetate	4.87	43	36941	17.14	ug/l	99
38) Carbon Tetrachloride	5.78	117	32587	19.16	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	36990	19.69	ug/l	96
40) Benzene	6.14	78	102476	19.29	ug/l	100
41) Methacrylonitrile	5.07	41	20205	16.94	ug/l	99
42) 1,2-Dichloroethane	6.20	62	34036	18.22	ug/l	100
43) Isopropyl Acetate	6.46	43	56106	17.87	ug/l	100
44) Trichloroethene	7.21	130	27542	19.39	ug/l	100
45) 1,2-Dichloropropane	7.52	63	26046	18.91	ug/l	100
46) Dibromomethane	7.67	93	16941	19.01	ug/l	100
47) Bromodichloromethane	7.90	83	31005	18.63	ug/l	99
48) Methyl methacrylate	7.78	41	28287	17.75	ug/l	99
49) 1,4-Dioxane	7.76	88	13004	363.21	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	241013	108.96	ug/l	100
52) Toluene	8.79	92	64338	19.48	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	33564	18.21	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	38459	19.02	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	26285	19.30	ug/l	98
56) Ethyl methacrylate	9.18	69	37150	18.42	ug/l	99
57) 1,3-Dichloropropane	9.37	76	43162	18.90	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	99142	97.33	ug/l	99
59) 2-Hexanone	9.50	43	185327	109.35	ug/l	99
60) Dibromochloromethane	9.59	129	25725	19.81	ug/l	99
61) 1,2-Dibromoethane	9.68	107	27209	19.14	ug/l	100
64) Tetrachloroethene	9.34	164	26368	19.70	ug/l	98
65) Chlorobenzene	10.14	112	71369	19.12	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	25317	19.42	ug/l	99
67) Ethyl Benzene	10.26	91	117069	18.96	ug/l	99
68) m/p-Xylenes	10.36	106	93223	39.27	ug/l	99
69) o-Xylene	10.70	106	44138	19.22	ug/l	99
70) Styrene	10.71	104	75270	19.49	ug/l	100
71) Bromoform	10.86	173	19918	19.17	ug/l #	99
73) Isopropylbenzene	11.02	105	120026	19.97	ug/l	99
74) N-amyl acetate	6.46	43	56106	17.80	ug/l #	99
75) 1,1,1,2-Tetrachloroethane	11.27	83	41366	18.37	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	35443m	18.87	ug/l	
77) Bromobenzene	11.26	156	32587	19.51	ug/l	96
78) n-propylbenzene	11.36	91	135021	19.52	ug/l	100
79) 2-Chlorotoluene	11.42	91	81909	19.27	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	100764	19.73	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	11291	18.72	ug/l	96
82) 4-Chlorotoluene	11.51	91	95749	19.13	ug/l	99
83) tert-Butylbenzene	11.77	119	99106	19.84	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	104438	19.83	ug/l	100
85) sec-Butylbenzene	11.95	105	117756	19.99	ug/l	99
86) p-Isopropyltoluene	12.07	119	106147	19.98	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	60121	19.44	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	61779	19.20	ug/l	99
89) n-Butylbenzene	12.39	91	87765	18.48	ug/l	99
90) Hexachloroethane	12.60	117	16062	19.64	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	60943	19.23	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	8633	18.32	ug/l	98

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QLast Update : Fri Aug 03 01:37:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	42496	18.80	ug/l	99
94) Hexachlorobutadiene	13.79	225	20107	19.71	ug/l	98
95) Naphthalene	13.83	128	127827	18.70	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	44395	19.30	ug/l	99

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

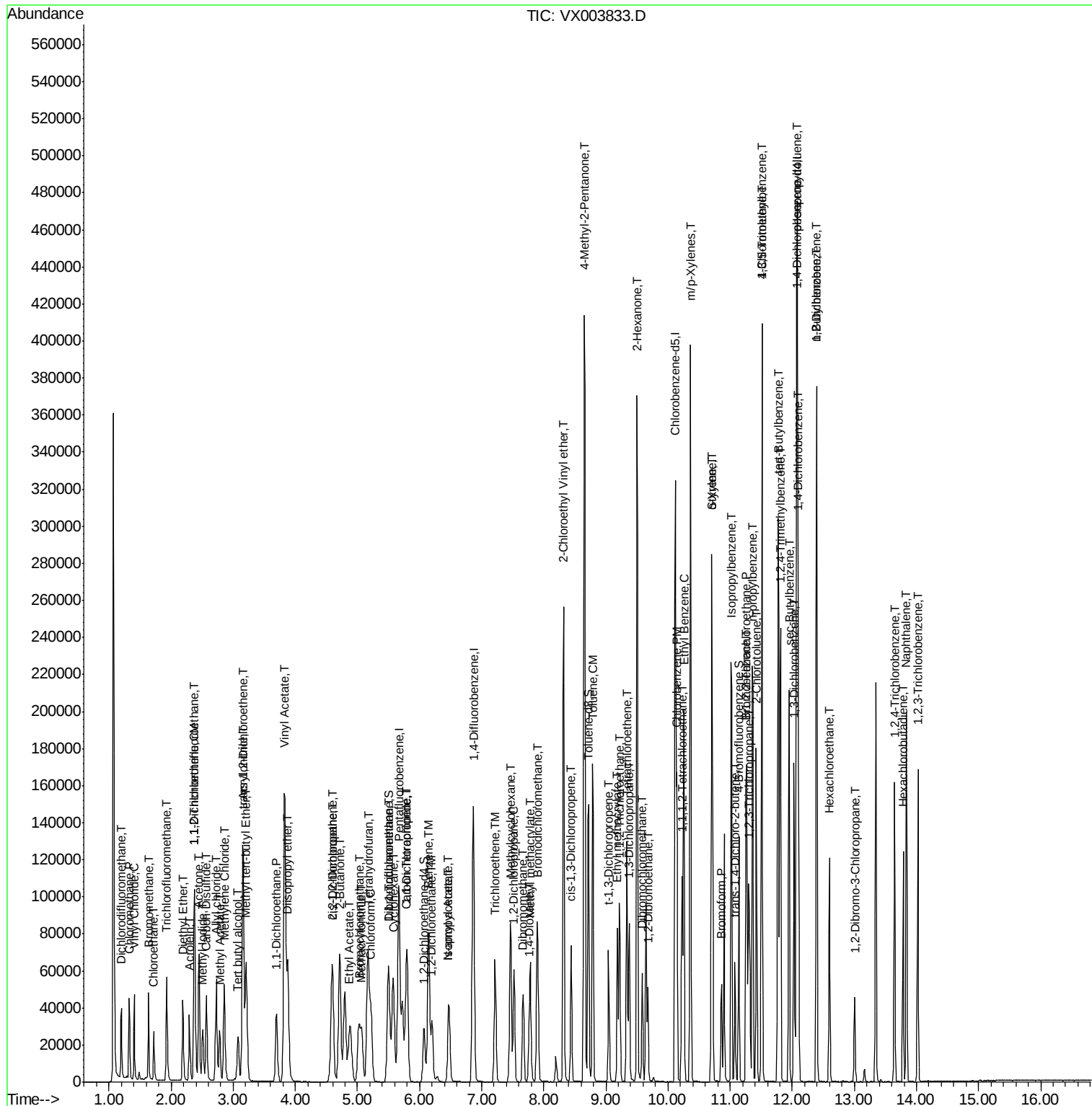
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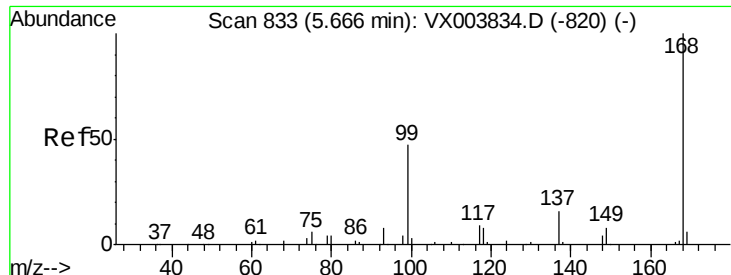
Instrument :
 MSVOA_X
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 109173

Ion Ratio Lower Upper

168 100

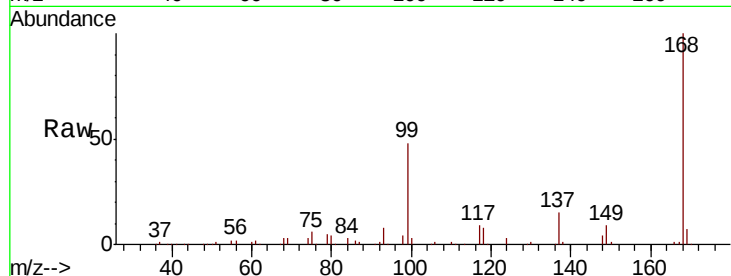
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Manual Integrations

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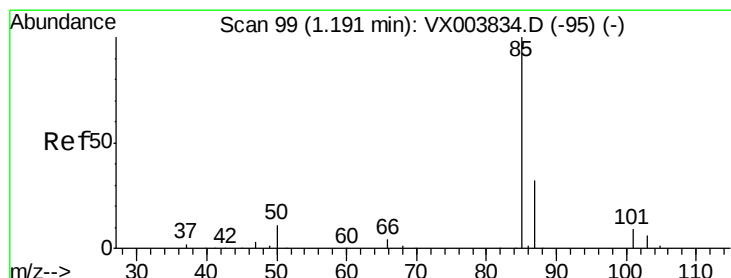
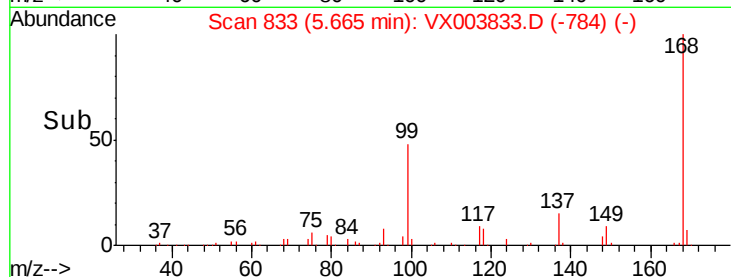
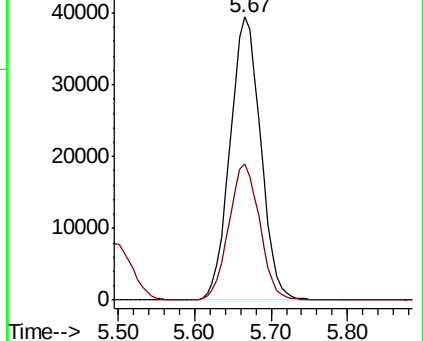
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.70 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.01 min

Lab File: VX003833.D

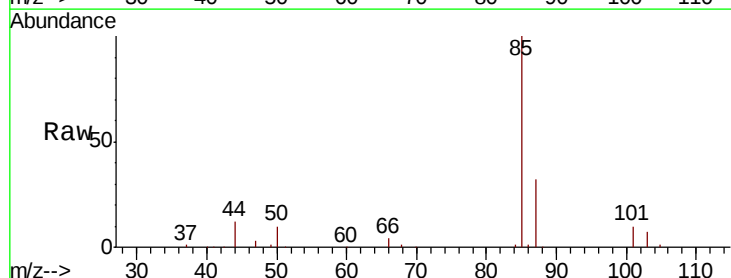
Acq: 02 Aug 2018 19:49

Tgt Ion: 85 Resp: 22545

Ion Ratio Lower Upper

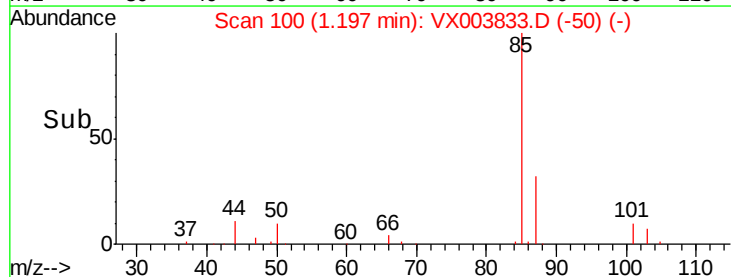
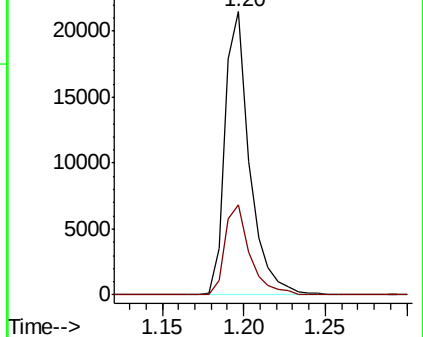
85 100

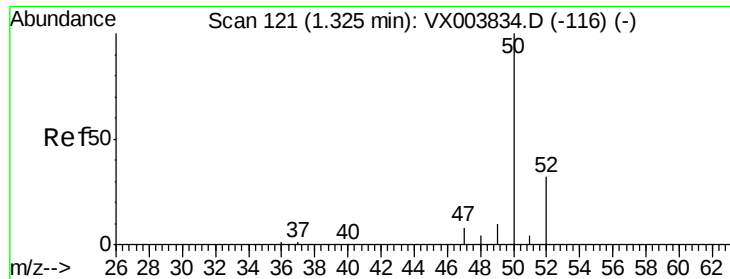
87 31.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.58 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 30860

Ion Ratio Lower Upper

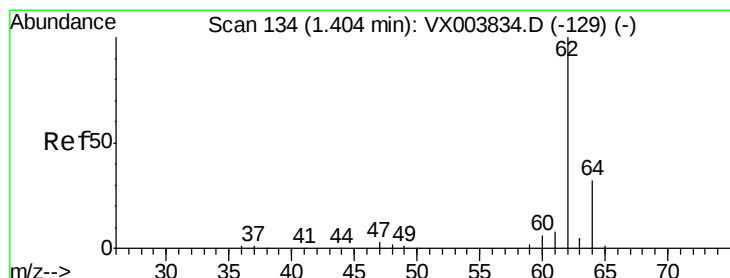
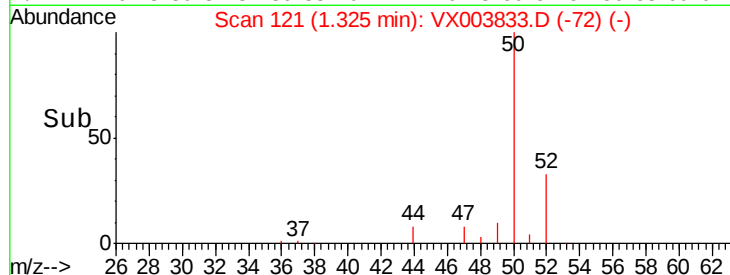
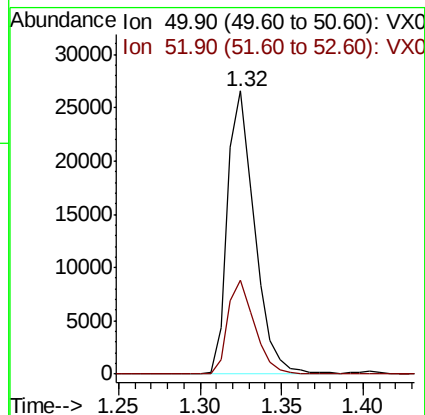
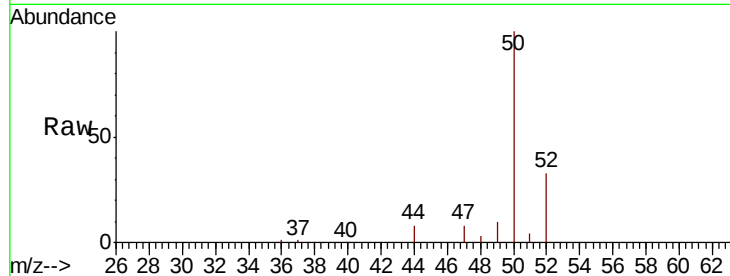
50 100

52 33.4 25.8 38.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 16.98 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003833.D

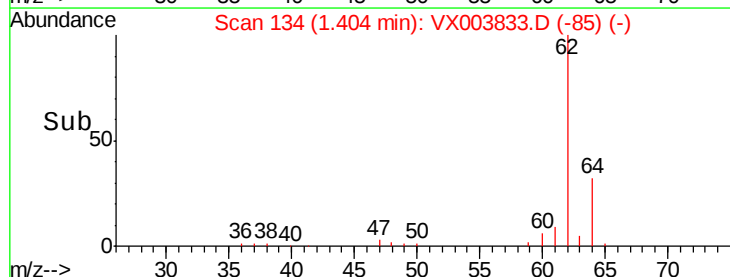
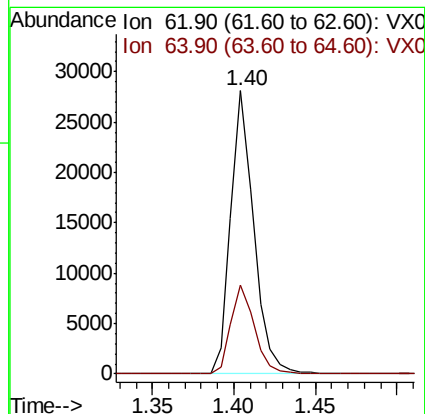
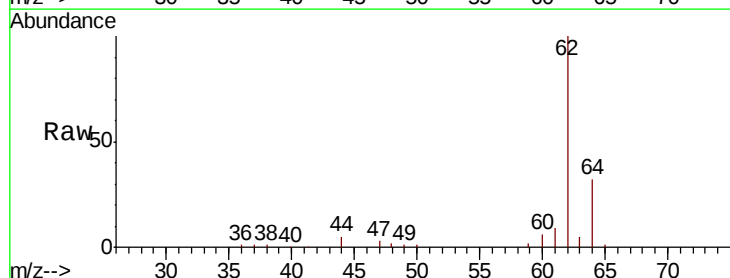
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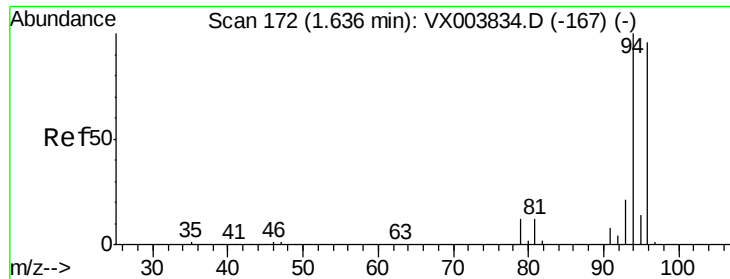
Tgt Ion: 62 Resp: 27693

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#5

Bromomethane

Concen: 20.50 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

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Tot Ion: 94 Resp: 16027

Ion Ratio Lower Upper

94 100

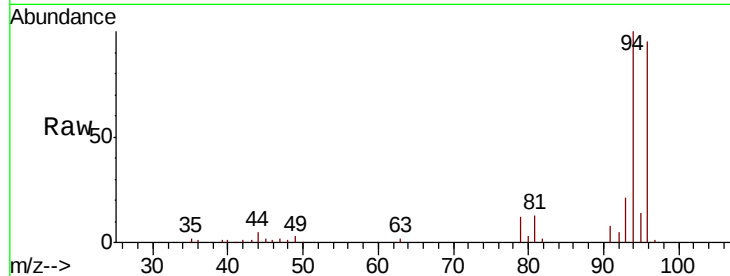
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Manual Integrations

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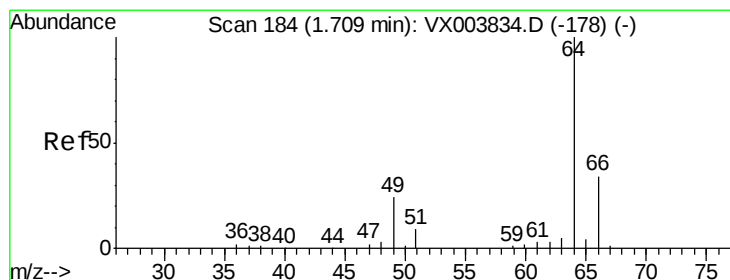
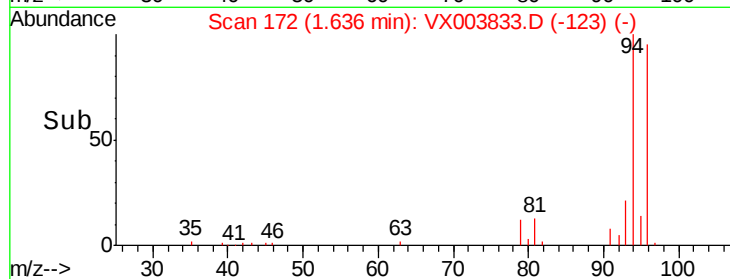
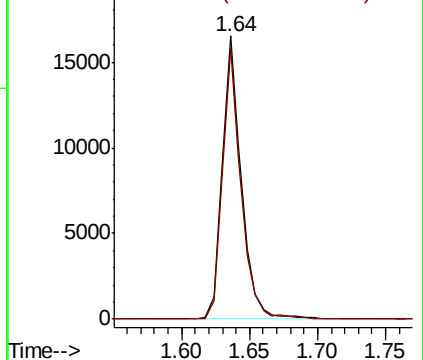
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.42 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003833.D

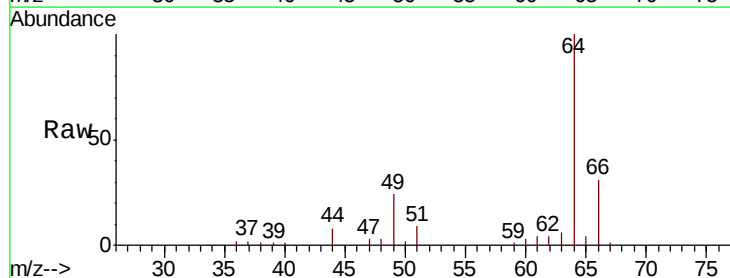
Acq: 02 Aug 2018 19:49

Tgt Ion: 64 Resp: 16935

Ion Ratio Lower Upper

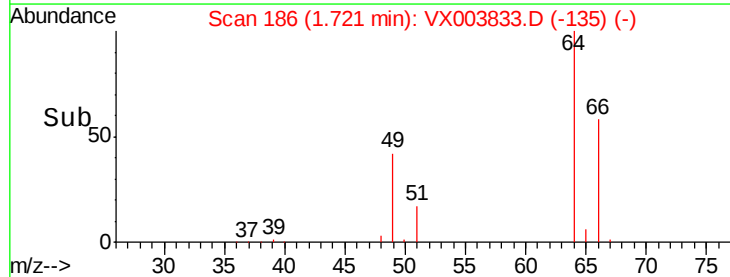
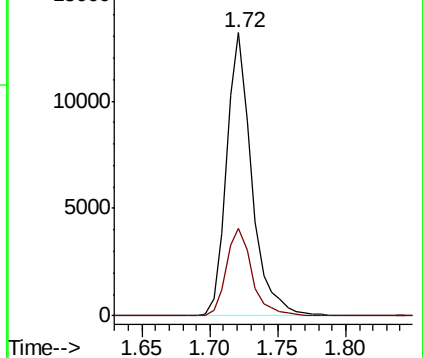
64 100

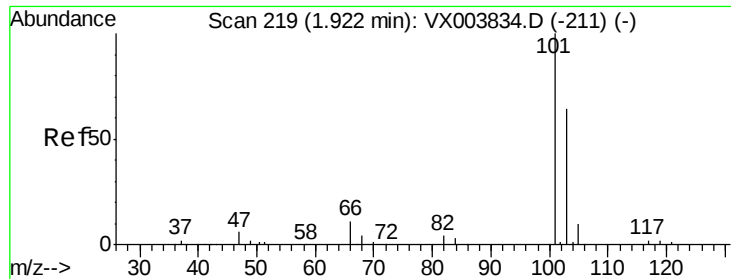
66 30.8 27.2 40.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

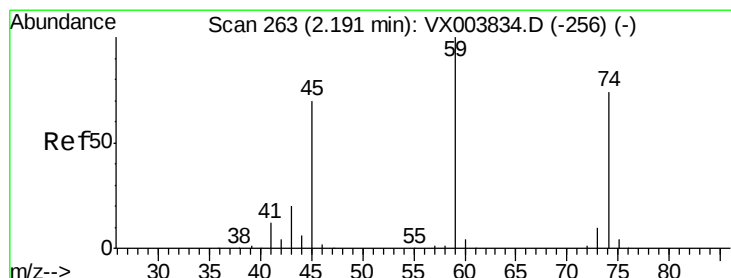
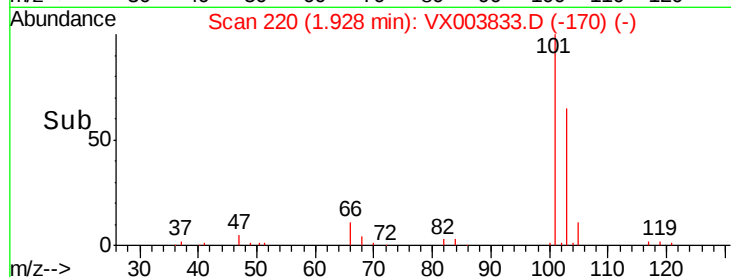
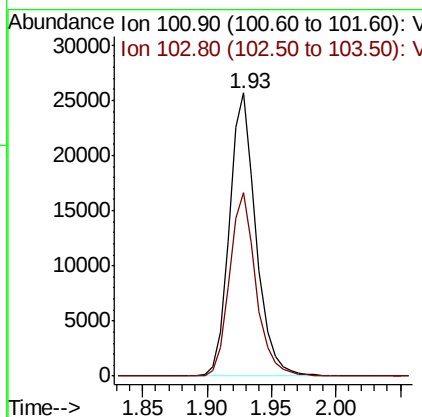
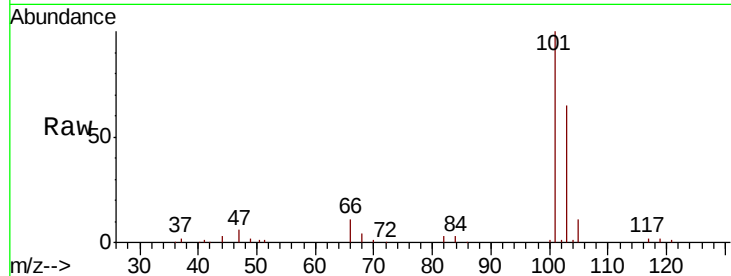
Trichlorofluoromethane
 Concen: 17.73 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX003833.D
 Acq: 02 Aug 2018 19:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:101 Resp: 36897
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.4 77.0

Manual Integrations
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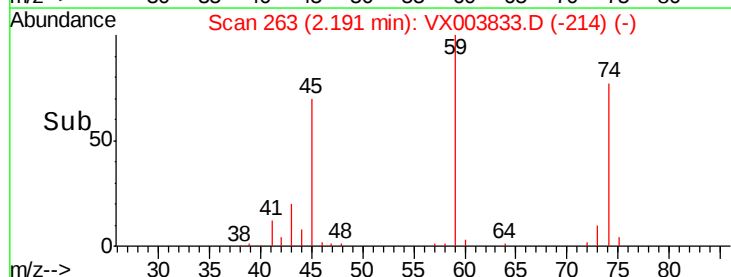
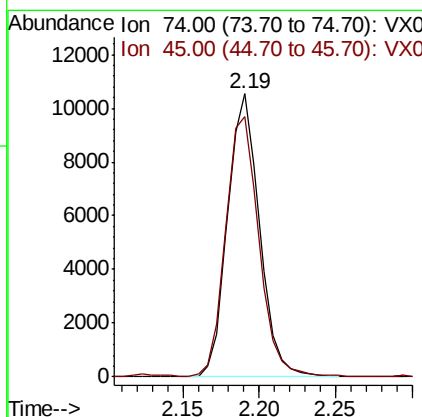
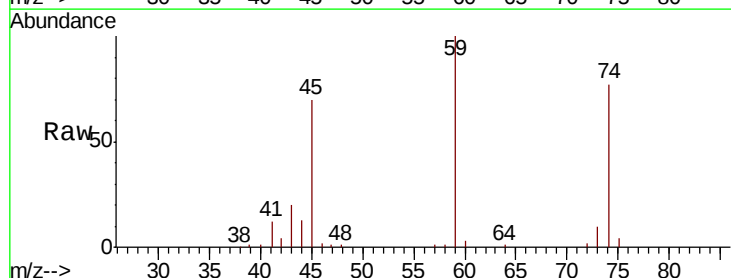
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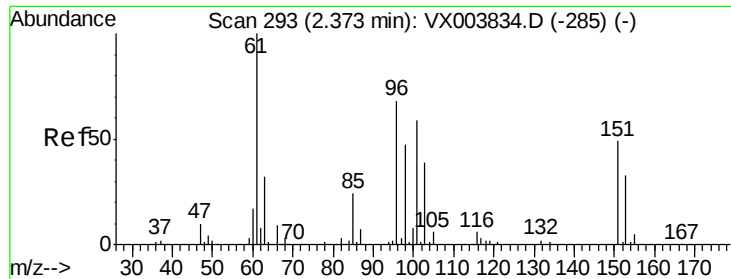


#8

Diethyl Ether
 Concen: 16.24 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003833.D
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Tgt Ion: 74 Resp: 15235
 Ion Ratio Lower Upper
 74 100
 45 96.3 48.4 145.2





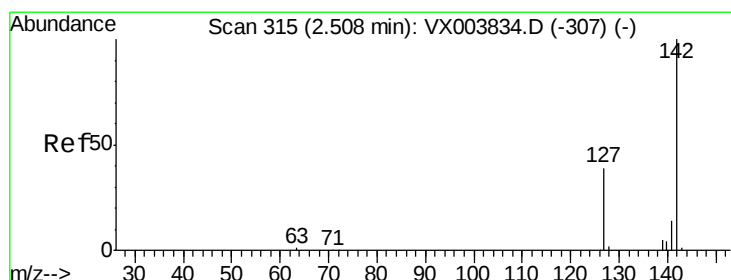
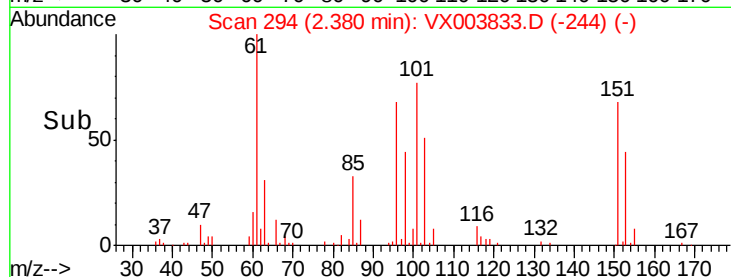
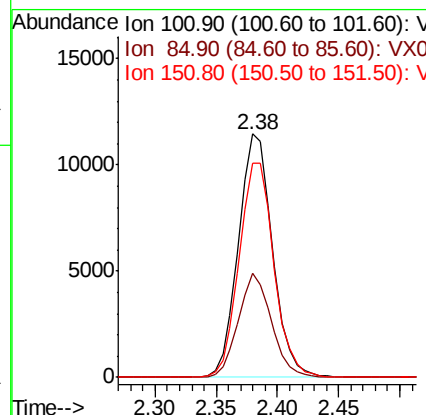
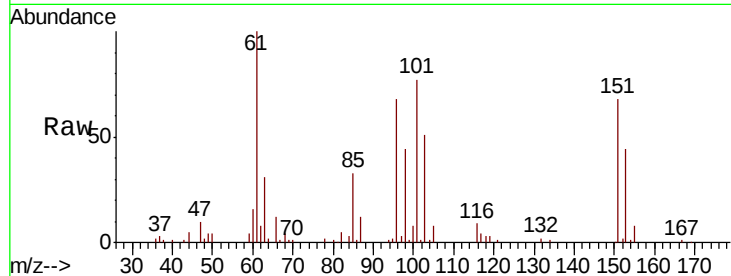
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.46 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VX003833.D
 Acq: 02 Aug 2018 19:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
85	41.4	33.6	50.4
151	89.9	71.0	106.4

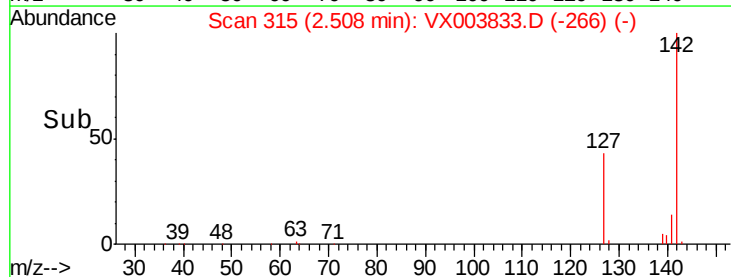
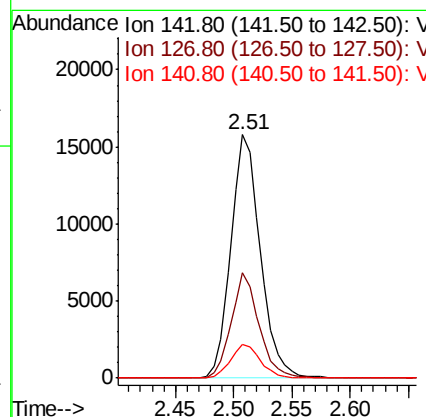
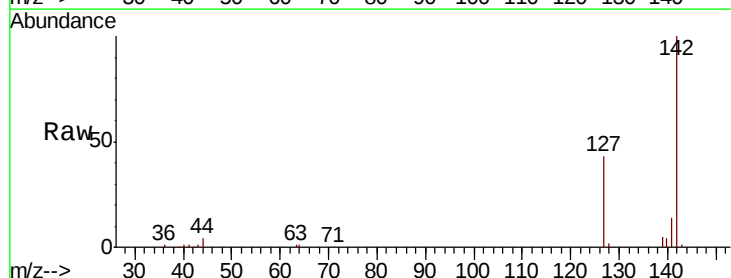
Manual Integrations
 APPROVED

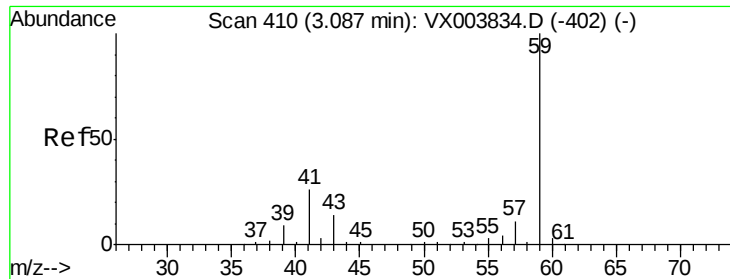
MMDadoda
 8/6/2018 1:35:40 PM



#10
 Methyl Iodide
 Concen: 16.83 ug/l
 RT: 2.51 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VX003833.D
 Acq: 02 Aug 2018 19:49

Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.7	31.8	47.8
141	13.9	11.3	16.9





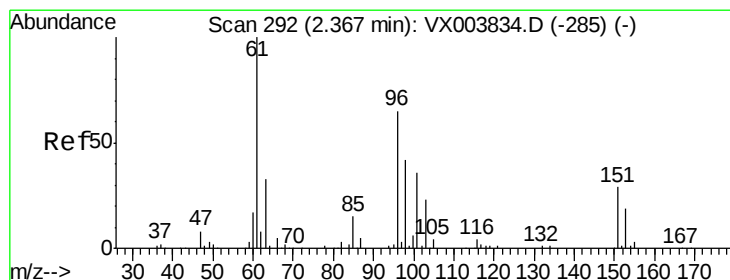
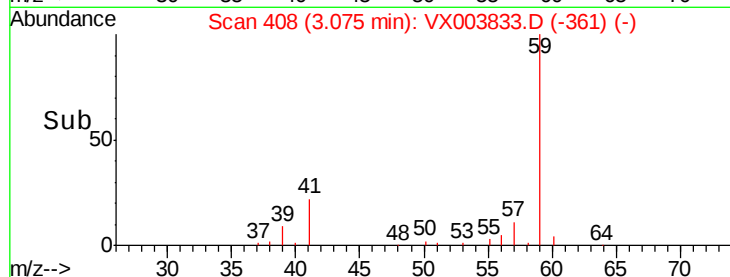
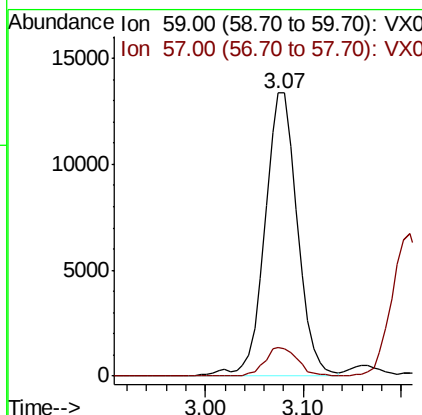
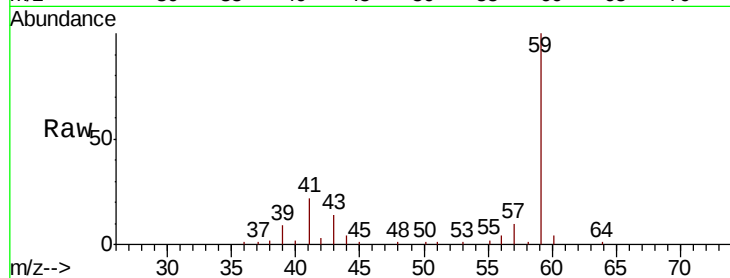
#11
Tert butyl alcohol
Concen: 81.48 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003833.D
Acq: 02 Aug 2018 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

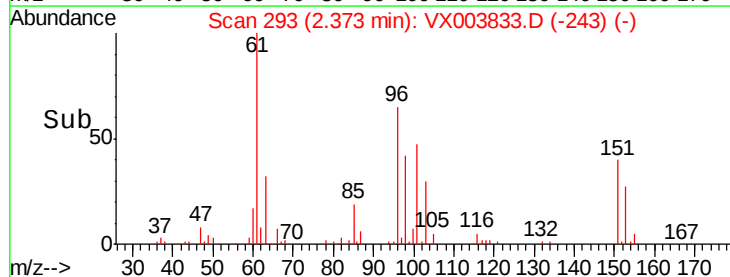
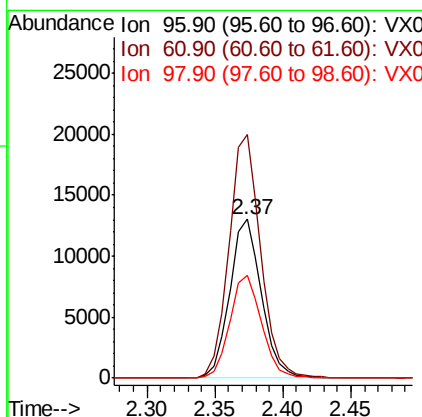
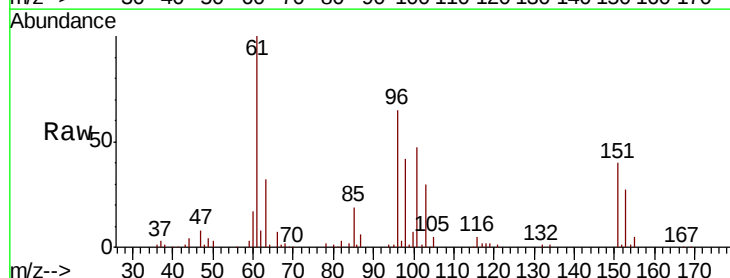
Manual Integrations
APPROVED

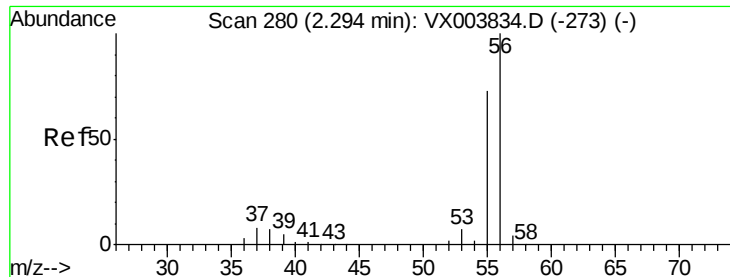
MMDadoda
8/6/2018 1:35:40 PM



#12
1,1-Dichloroethene
Concen: 17.13 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX003833.D
Acq: 02 Aug 2018 19:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.4	122.8	184.2
98	64.6	51.8	77.8





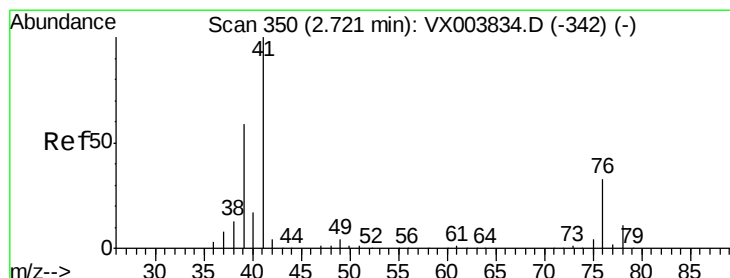
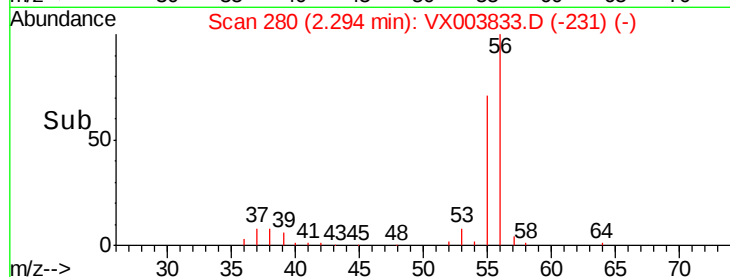
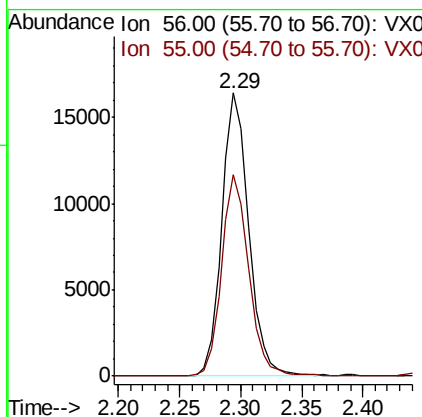
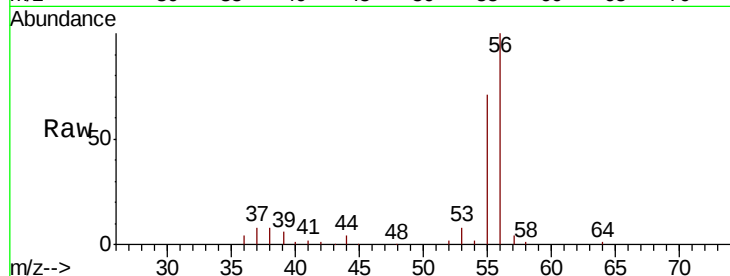
#13
Acrolein
Concen: 125.90 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX003833.D
Acq: 02 Aug 2018 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.7	86.5

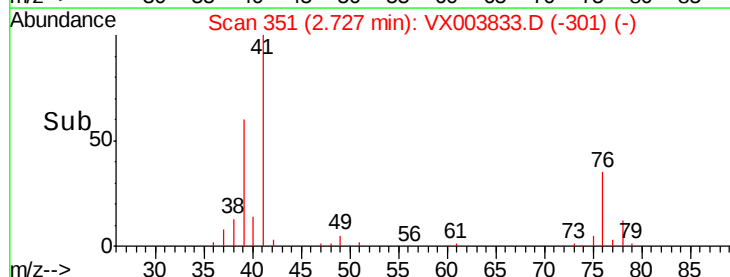
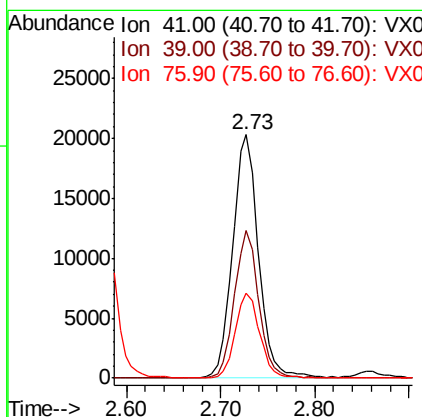
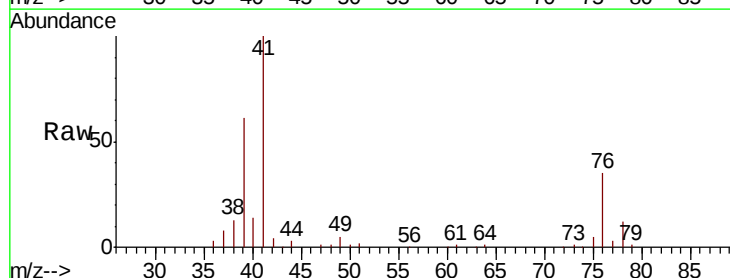
Manual Integrations
APPROVED

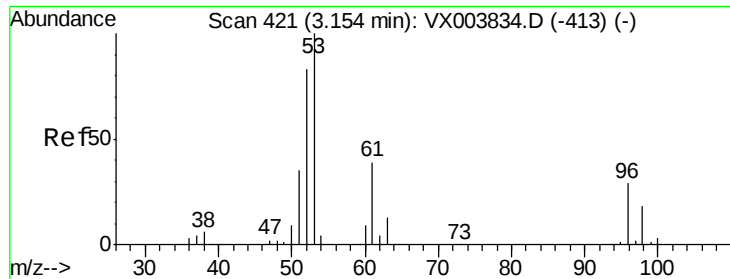
MMDadoda
8/6/2018 1:35:40 PM



#14
Allyl chloride
Concen: 15.18 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.01 min
Lab File: VX003833.D
Acq: 02 Aug 2018 19:49

Tgt Ion	Ratio	Lower	Upper
41	100		
39	56.9	46.1	69.1
76	32.9	26.8	40.2





#15

Acrylonitrile

Concen: 76.52 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Instrument :

MSVOA_X

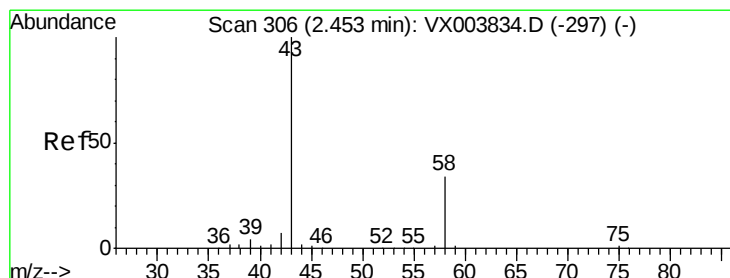
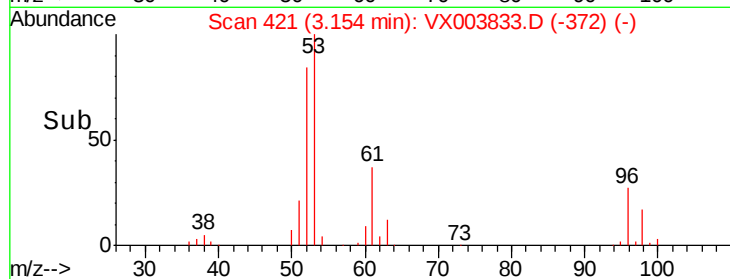
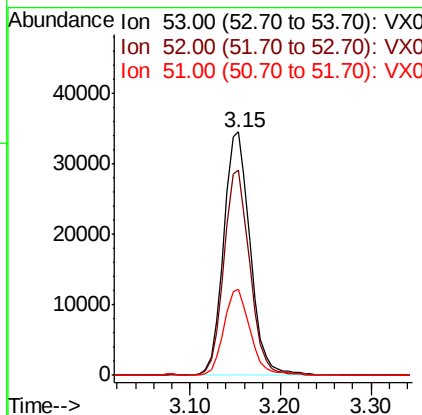
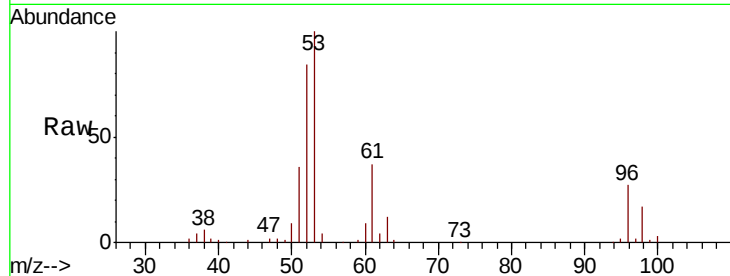
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	70489
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.9	98.9
51	35.6	28.6	43.0

Manual Integrations
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8/6/2018 1:35:40 PM



#16

Acetone

Concen: 94.02 ug/l

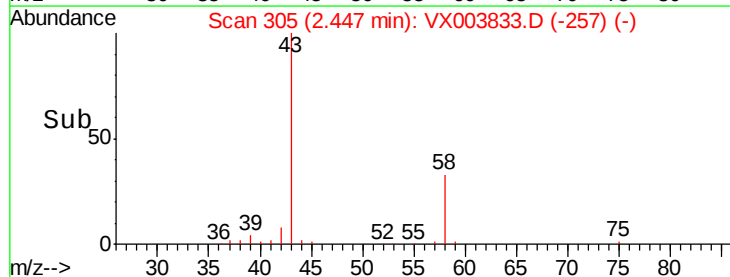
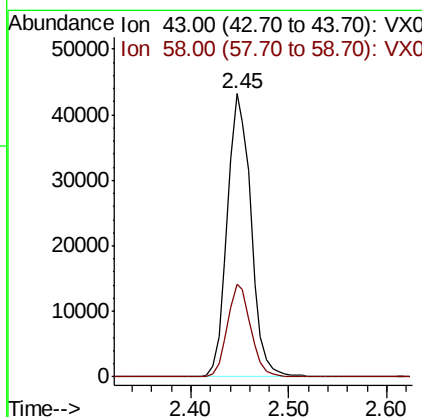
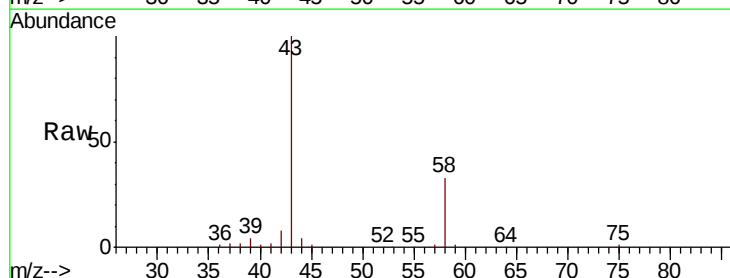
RT: 2.45 min Scan# 305

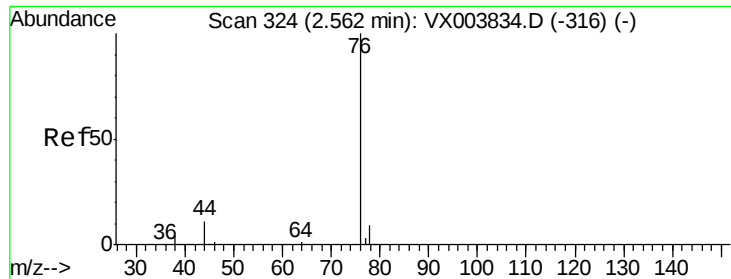
Delta R.T. -0.01 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Tgt Ion:	43	Resp:	72897
Ion	Ratio	Lower	Upper
43	100		
58	32.9	27.0	40.4





#17

Carbon Disulfide

Concen: 16.63 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 59046

Ion Ratio Lower Upper

76 100

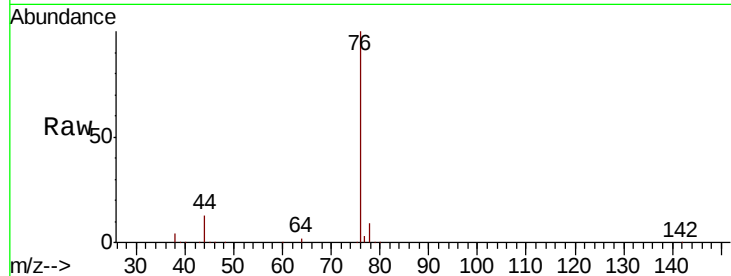
78 9.1 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

40000

30000

20000

10000

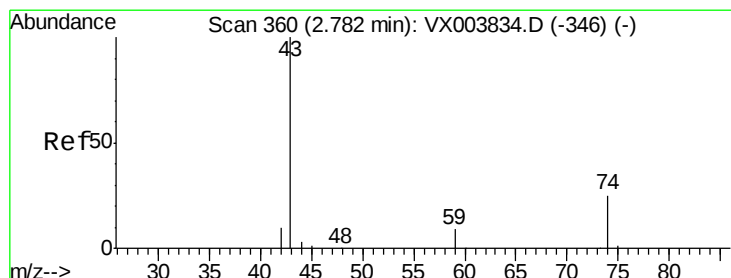
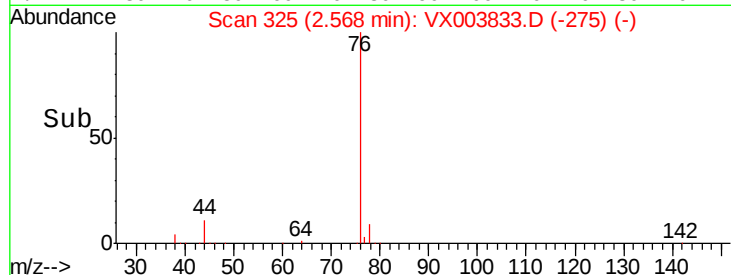
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 14.26 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX003833.D

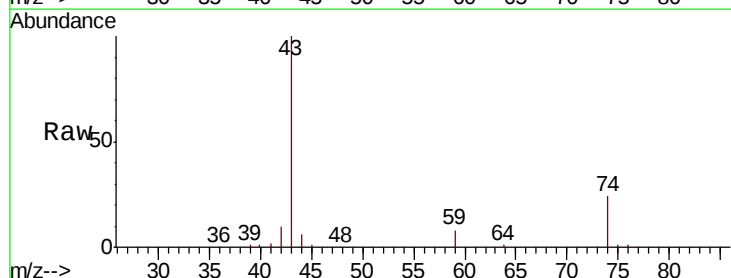
Acq: 02 Aug 2018 19:49

Tgt Ion: 43 Resp: 31977

Ion Ratio Lower Upper

43 100

74 24.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

20000

15000

10000

5000

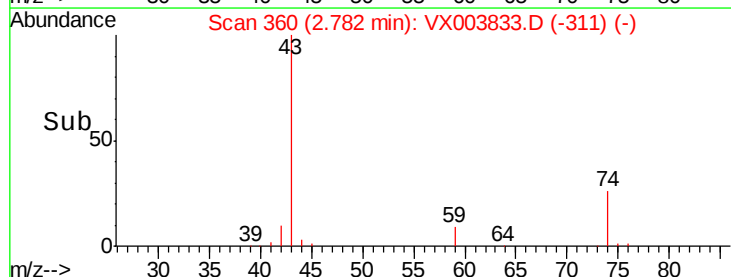
0

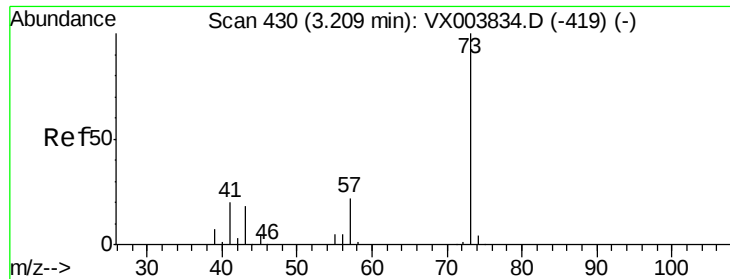
Time-->

2.70

2.80

2.90





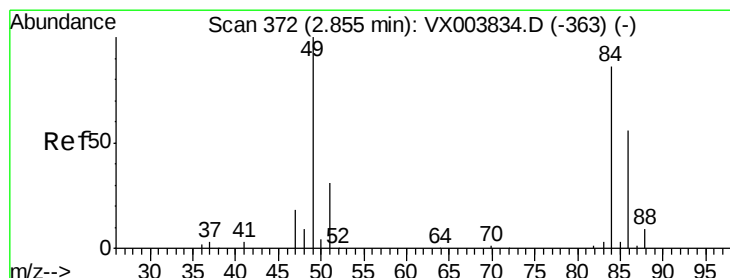
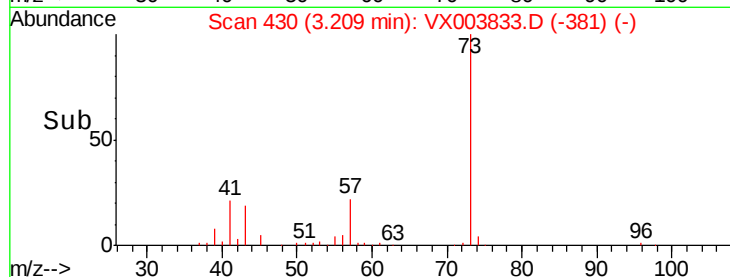
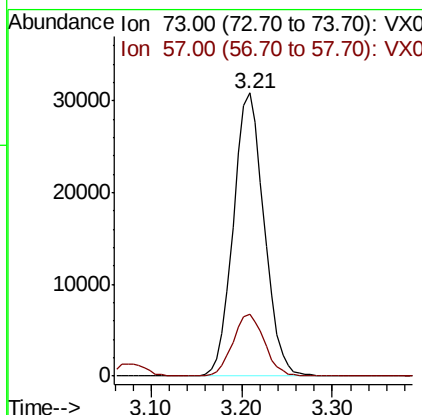
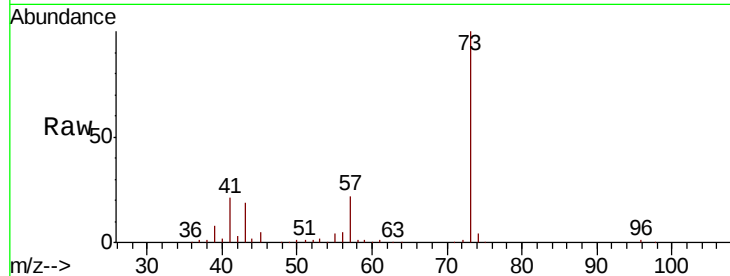
#19
Methvl tert-butvl Ether
Concen: 16.37 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX003833.D
Acq: 02 Aug 2018 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 72681
Ion Ratio Lower Upper
73 100
57 21.9 17.5 26.3

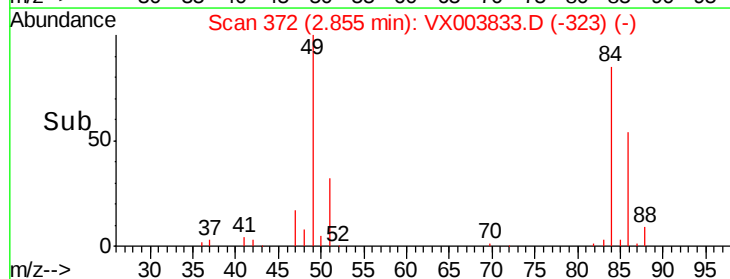
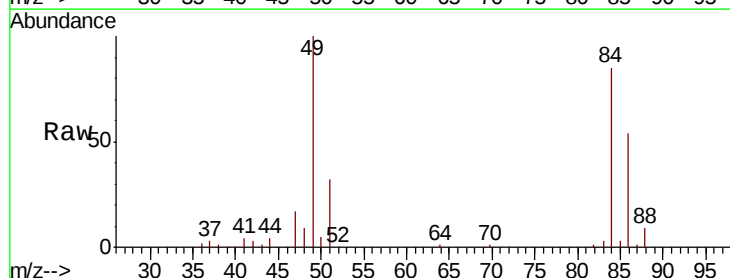
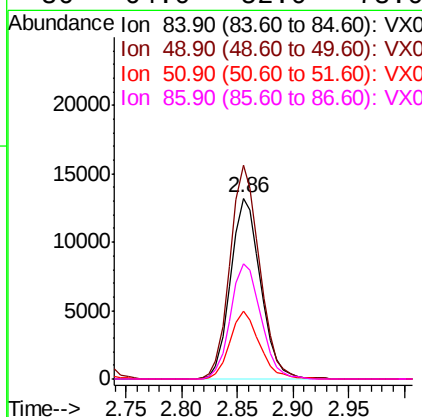
Manual Integrations
APPROVED

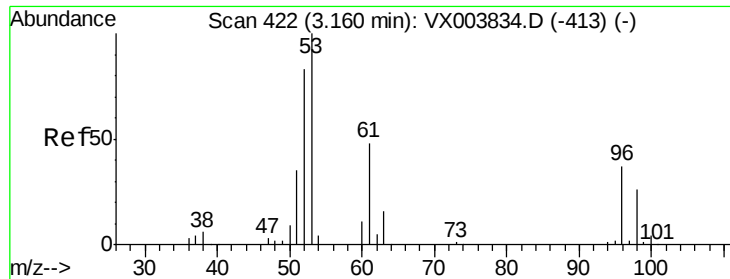
MMDadoda
8/6/2018 1:35:40 PM



#20
Methylene Chloride
Concen: 16.52 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003833.D
Acq: 02 Aug 2018 19:49

Tgt Ion: 84 Resp: 24712
Ion Ratio Lower Upper
84 100
49 118.1 93.2 139.8
51 37.4 29.2 43.8
86 64.0 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 17.12 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Instrument :

MSVOA_X

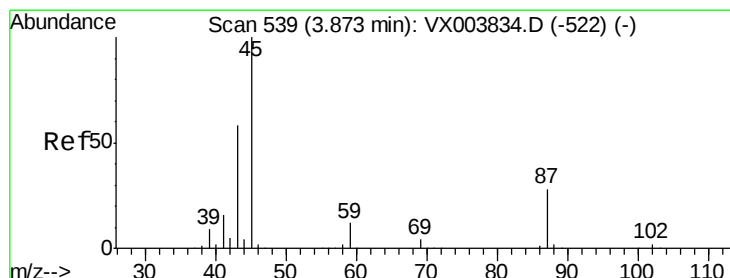
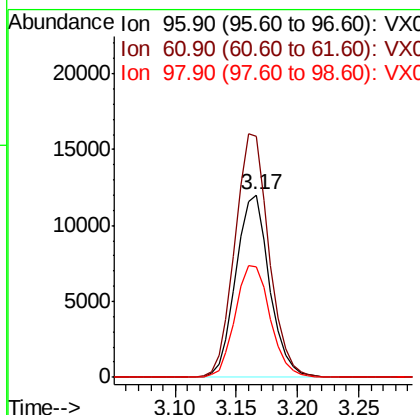
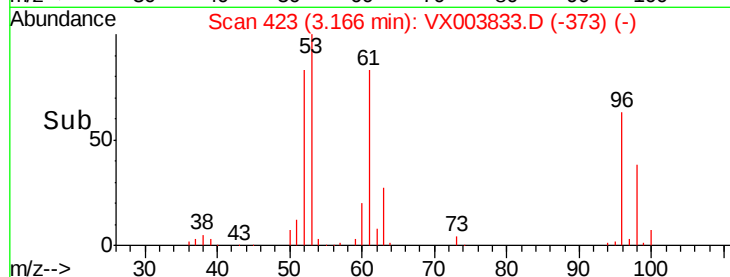
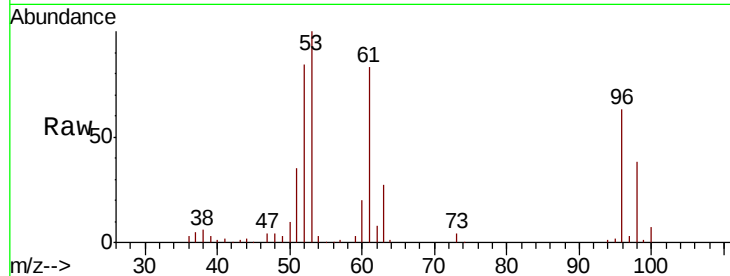
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	22977
Ion	Ratio	Lower	Upper
96	100		
61	132.3	104.2	156.4
98	60.2	57.0	85.6

Manual Integrations
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MMDadoda
8/6/2018 1:35:40 PM



#22

Diisopropyl ether

Concen: 15.55 ug/l

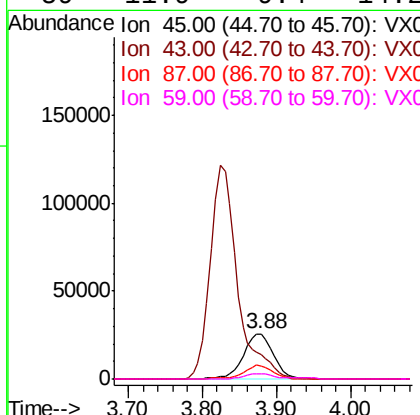
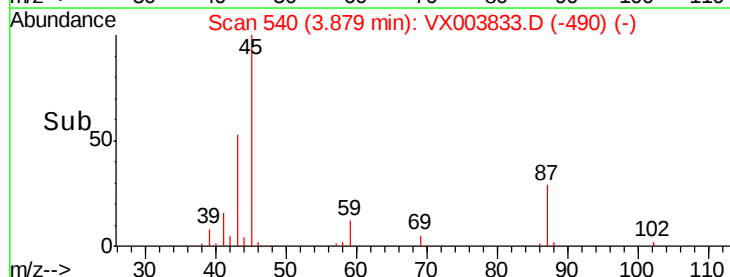
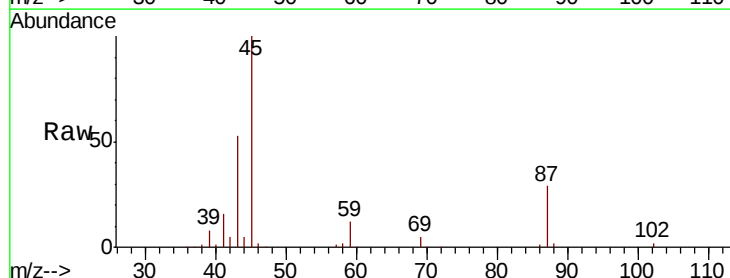
RT: 3.88 min Scan# 540

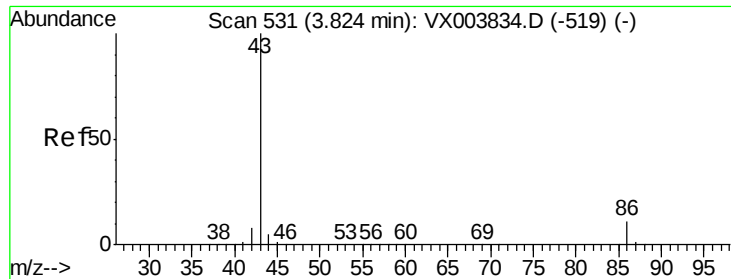
Delta R.T. 0.01 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Tgt Ion:	45	Resp:	73256
Ion	Ratio	Lower	Upper
45	100		
43	52.8	46.4	69.6
87	29.4	22.4	33.6
59	11.9	9.4	14.2





#23

Vinyl Acetate

Concen: 76.93 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 310924

Ion Ratio Lower Upper

43 100

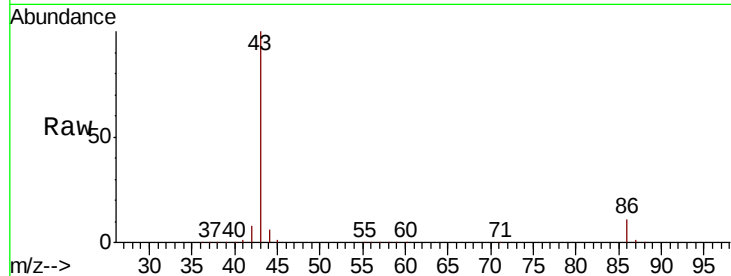
86 10.6 8.8 13.2

Manual Integrations

APPROVED

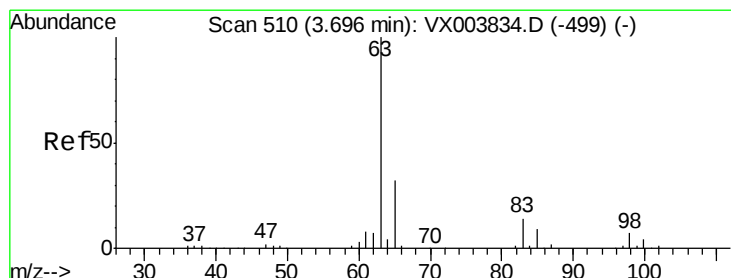
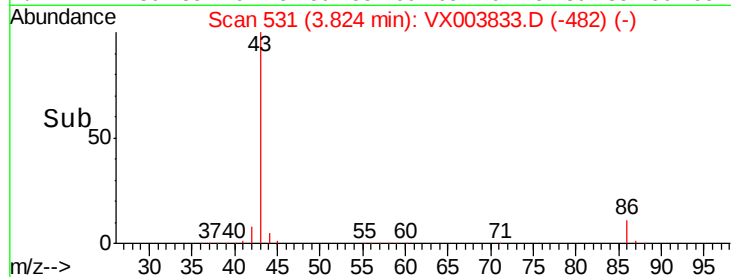
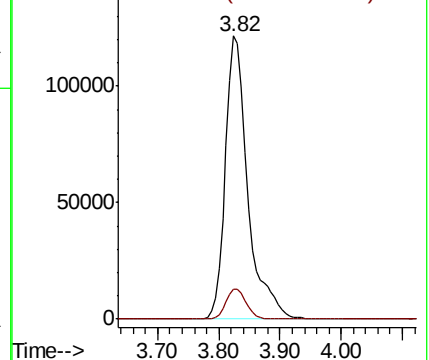
MMDadoda

8/6/2018 1:35:40 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 15.72 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

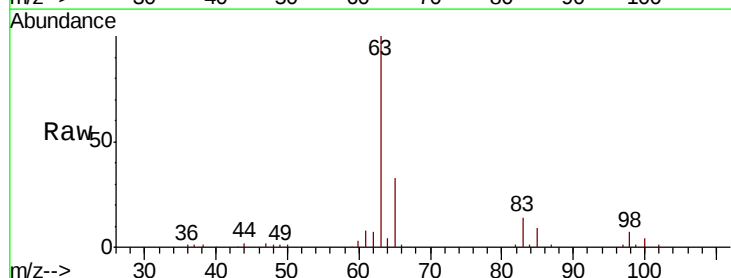
Tgt Ion: 63 Resp: 41931

Ion Ratio Lower Upper

63 100

98 7.4 3.3 9.9

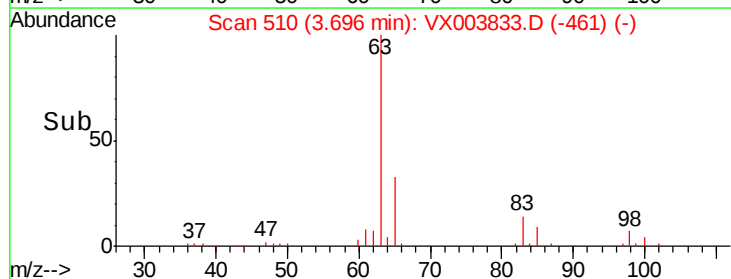
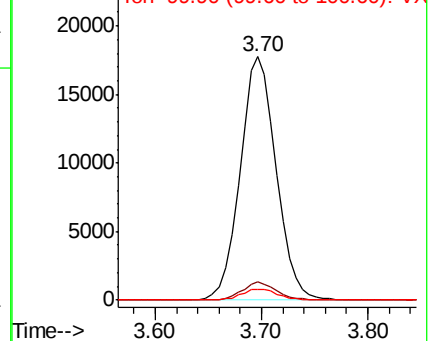
100 4.5 2.3 6.8

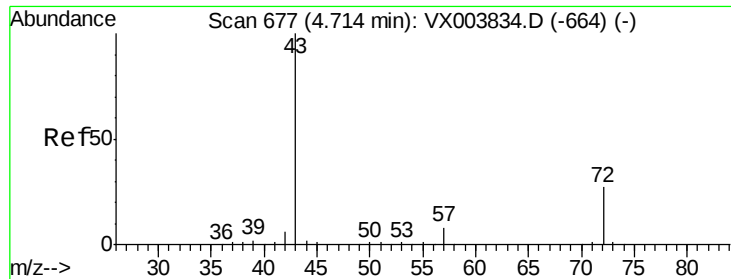


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 100.07 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 122463

Ion Ratio Lower Upper

43 100

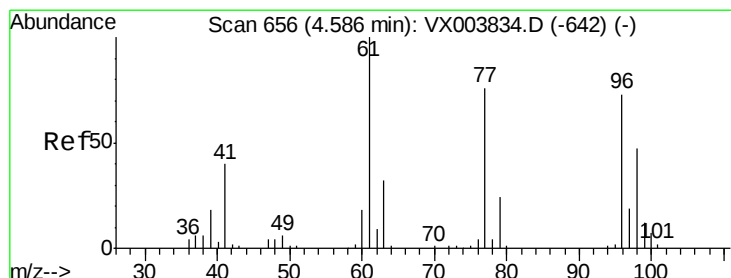
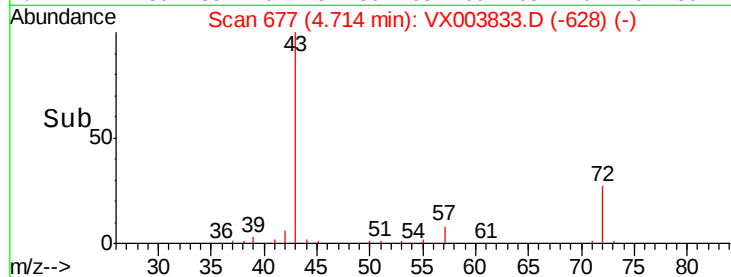
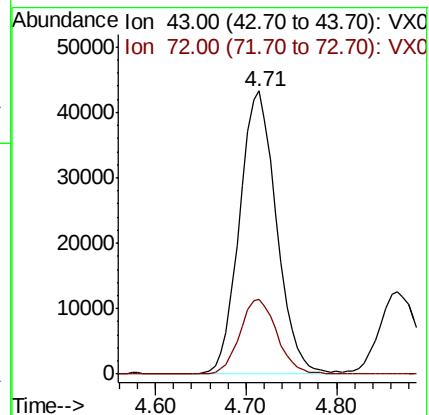
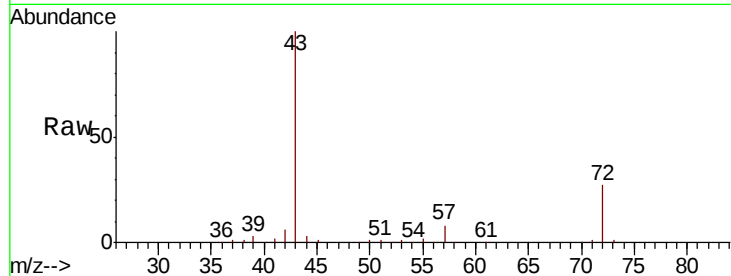
72 26.6 21.5 32.3

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#26

2,2-Dichloropropane

Concen: 17.04 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003833.D

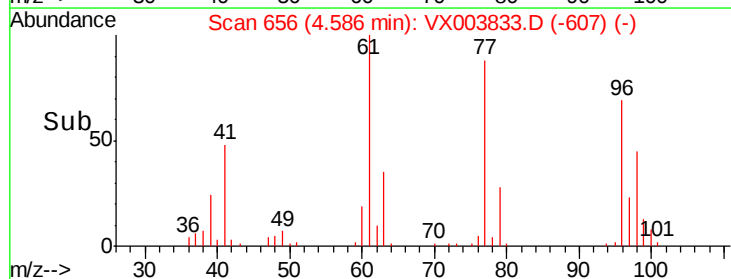
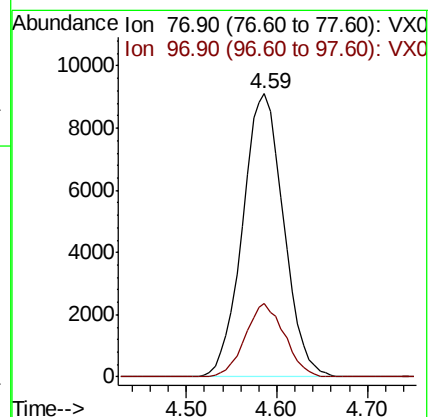
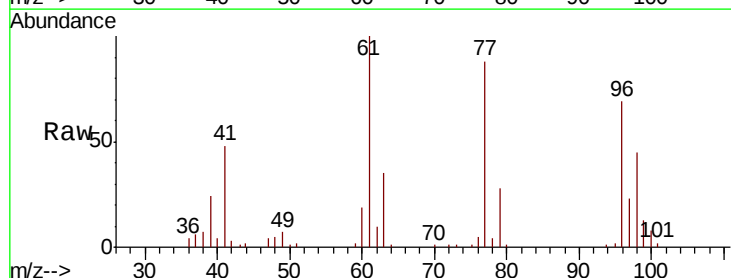
Acq: 02 Aug 2018 19:49

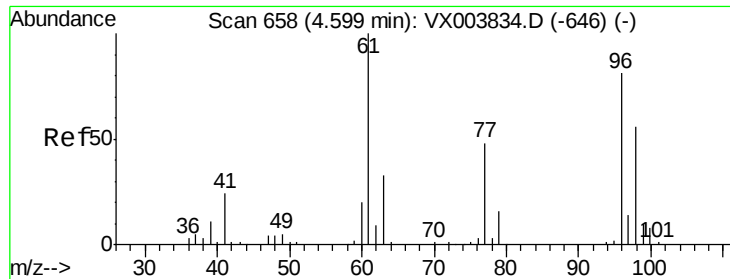
Tgt Ion: 77 Resp: 28546

Ion Ratio Lower Upper

77 100

97 24.8 12.8 38.3





#27

cis-1,2-Dichloroethene

Concen: 17.49 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Instrument :

MSVOA_X

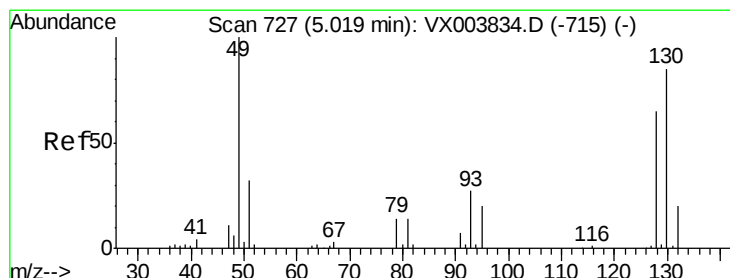
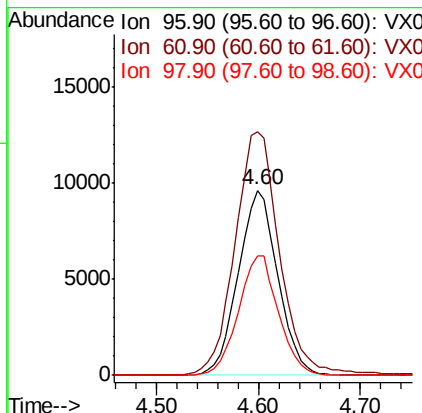
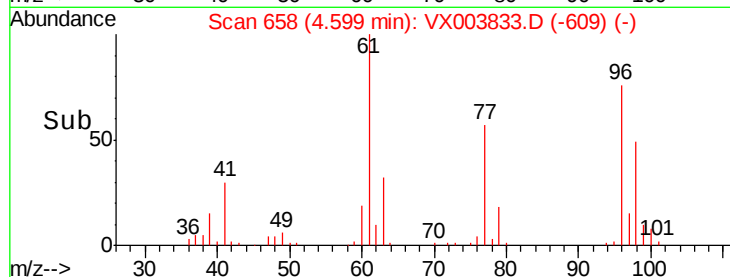
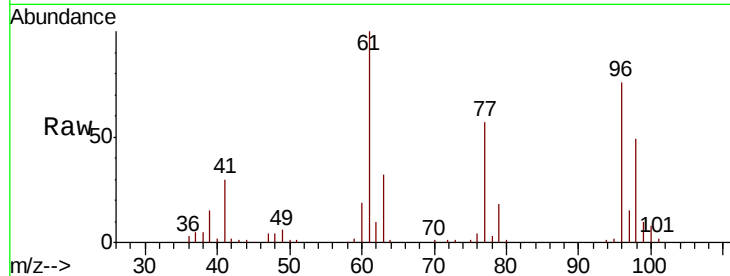
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	25930
Ion	Ratio	Lower	Upper
96	100		
61	149.3	0.0	283.6
98	65.1	0.0	130.0

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#28

Bromochloromethane

Concen: 18.46 ug/l

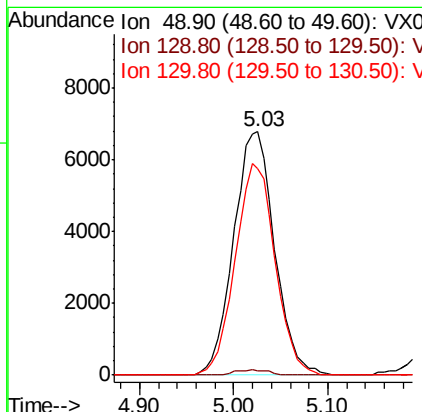
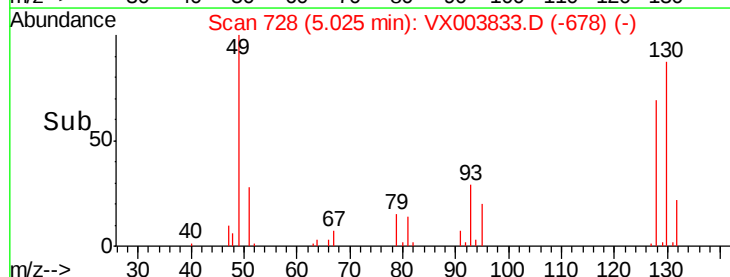
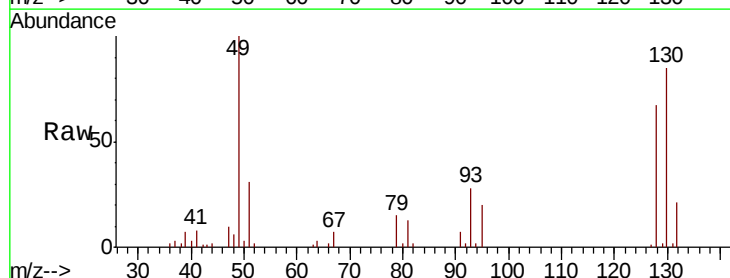
RT: 5.03 min Scan# 728

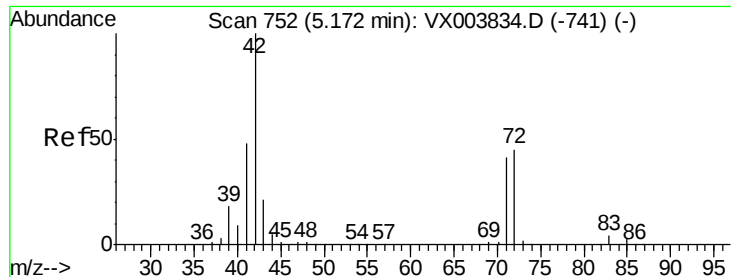
Delta R.T. 0.01 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Tgt Ion:	49	Resp:	20584
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.2
130	84.7	68.9	103.3





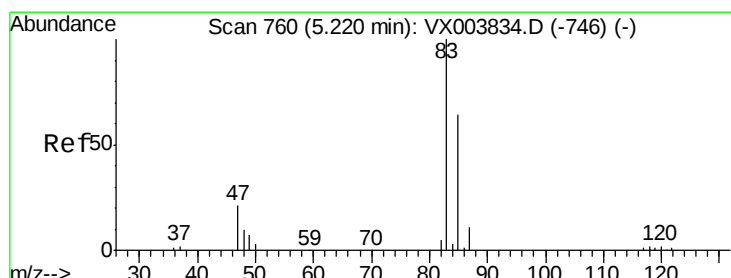
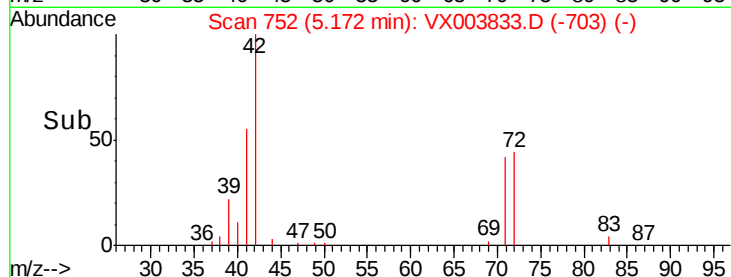
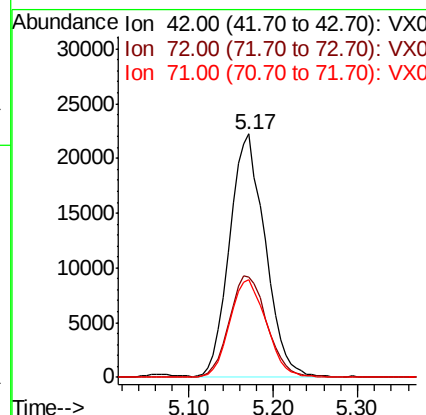
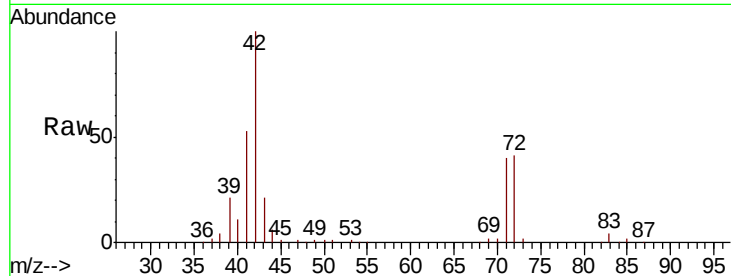
#29
Tetrahydrofuran
Concen: 83.80 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX003833.D
Acq: 02 Aug 2018 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	36.1	54.1
71	41.2	33.6	50.4

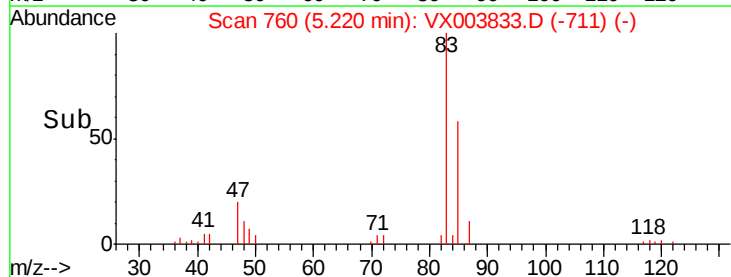
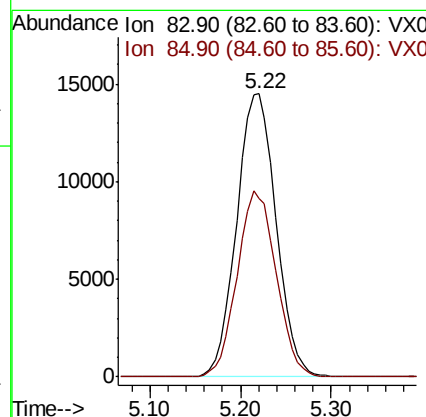
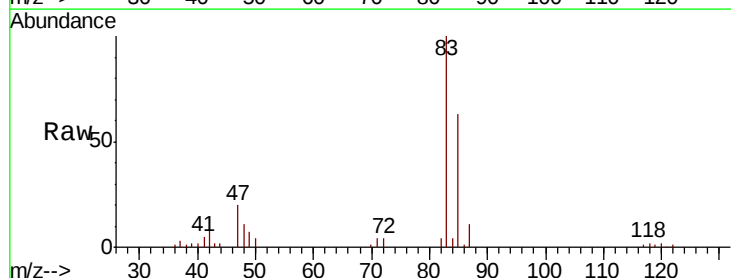
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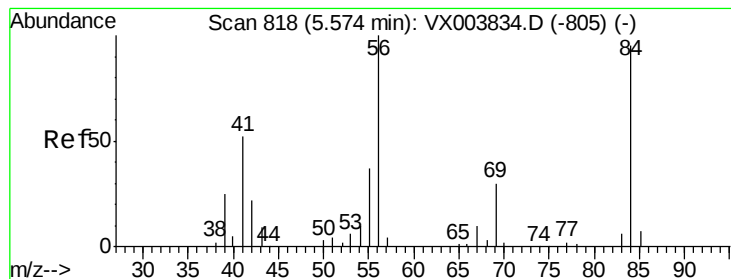
MMDadoda
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#30
Chloroform
Concen: 17.70 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX003833.D
Acq: 02 Aug 2018 19:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.5	77.3





#31

Cyclohexane

Concen: 18.12 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Instrument :

MSVOA_X

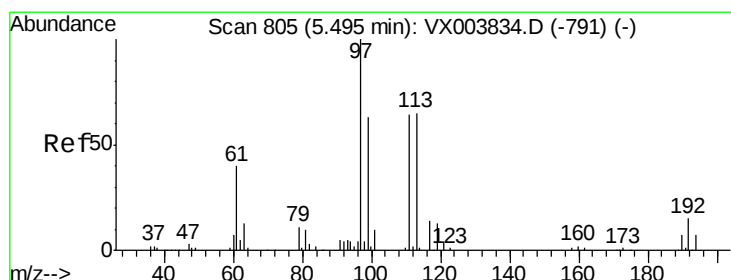
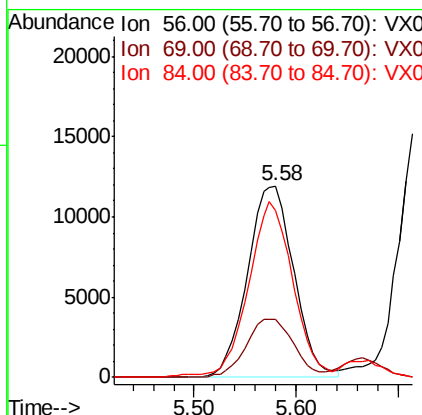
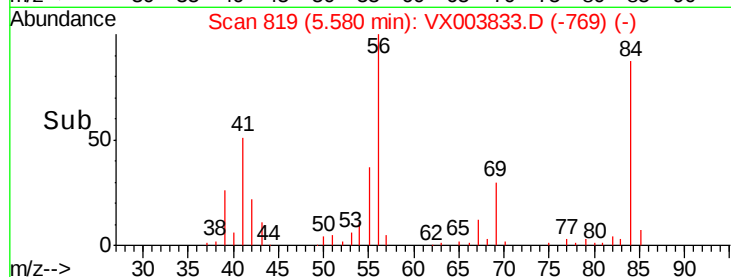
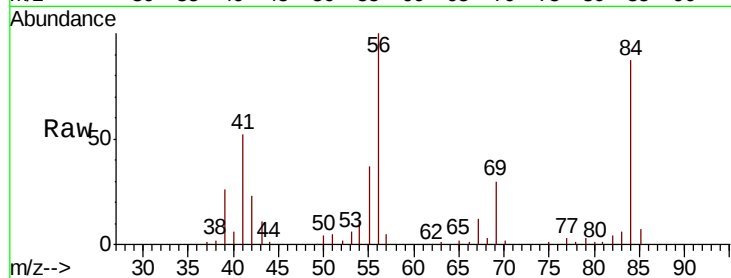
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	37715
Ion	Ratio	Lower	Upper
56	100		
69	30.3	23.7	35.5
84	85.6	75.7	113.5

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#32

1,1,1-Trichloroethane

Concen: 18.41 ug/l

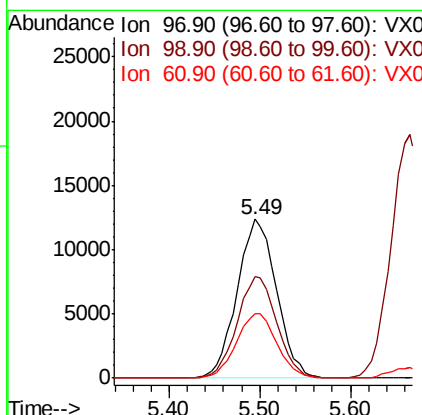
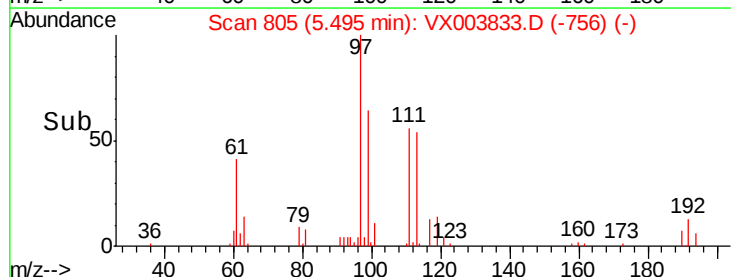
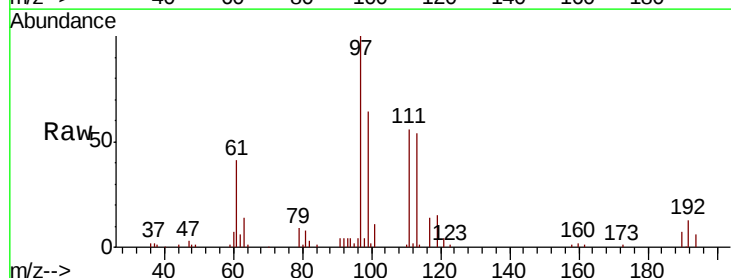
RT: 5.49 min Scan# 805

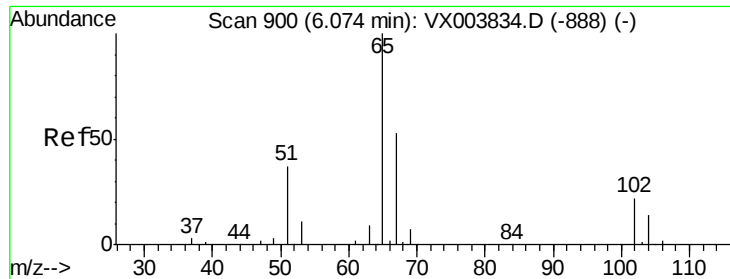
Delta R.T. 0.00 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Tgt Ion:	97	Resp:	37190
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.6
61	41.7	33.3	49.9





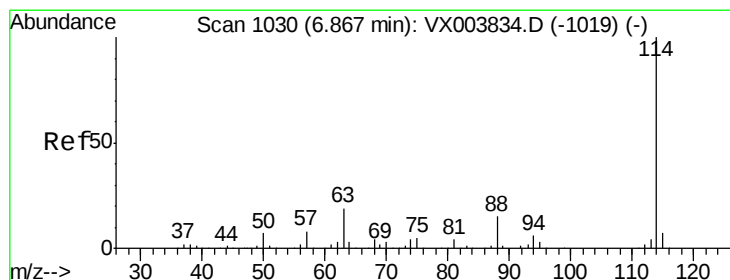
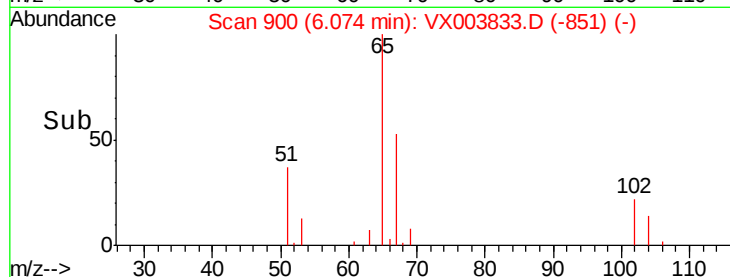
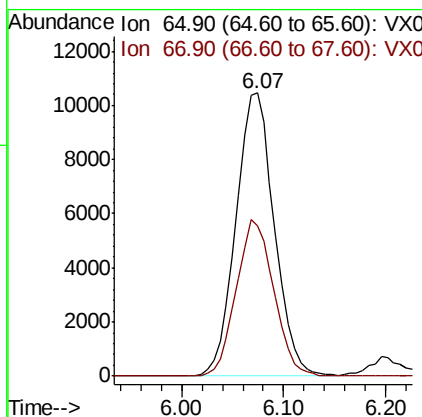
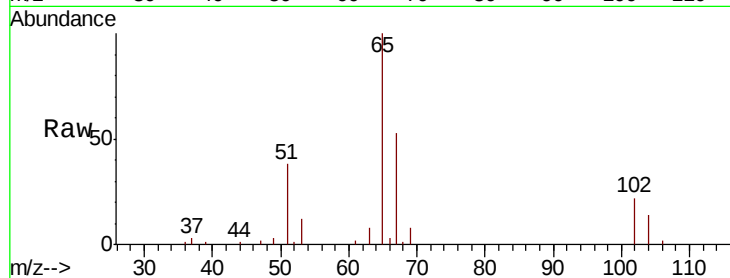
#33
 1,2-Dichloroethane-d4
 Concen: 16.80 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003833.D
 Acq: 02 Aug 2018 19:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	107.2

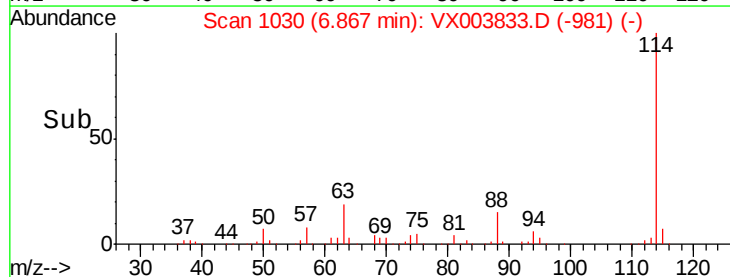
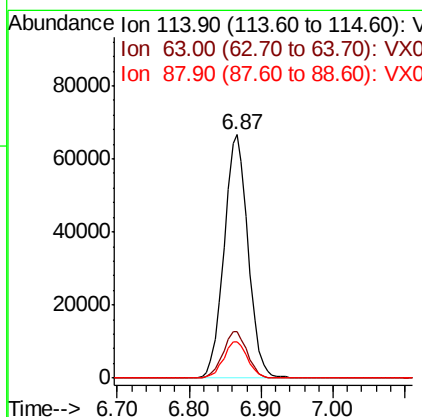
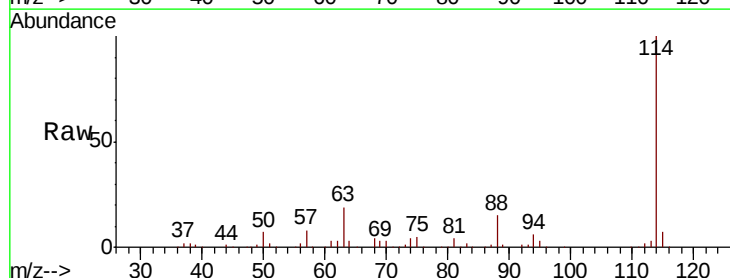
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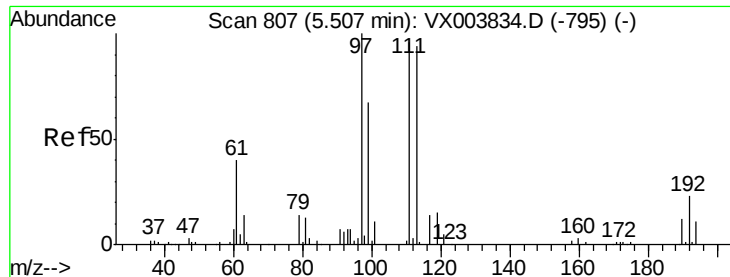
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 8/6/2018 1:35:40 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003833.D
 Acq: 02 Aug 2018 19:49

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	38.2
88	14.8	0.0	29.6





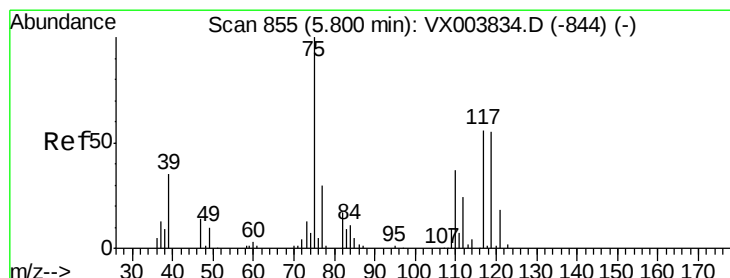
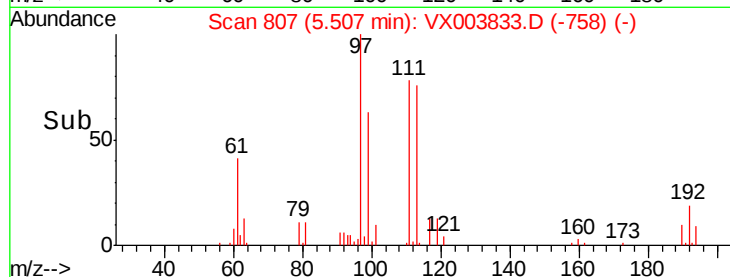
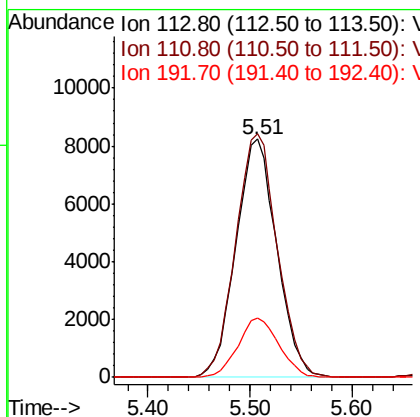
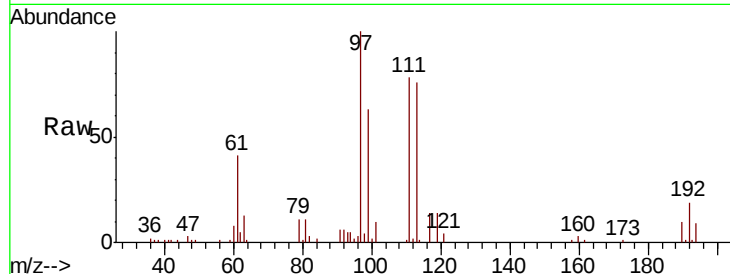
#35
 Dibromofluoromethane
 Concen: 18.15 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003833.D
 Acq: 02 Aug 2018 19:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	22897		
111	103.7	81.1	121.7	
192	24.8	19.7	29.5	

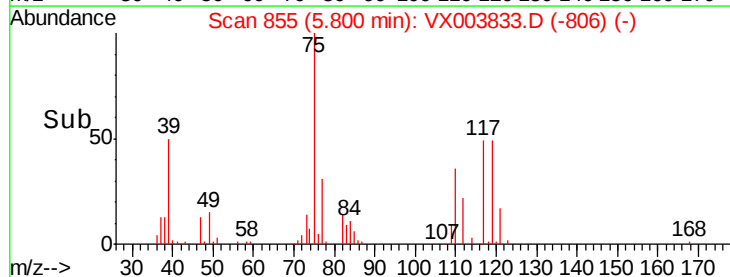
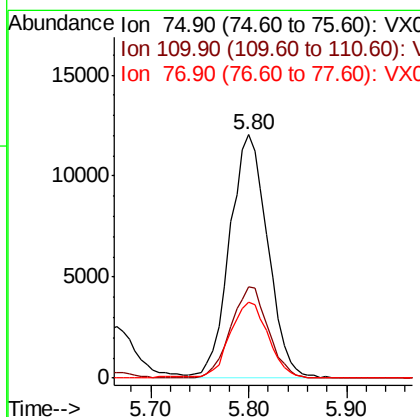
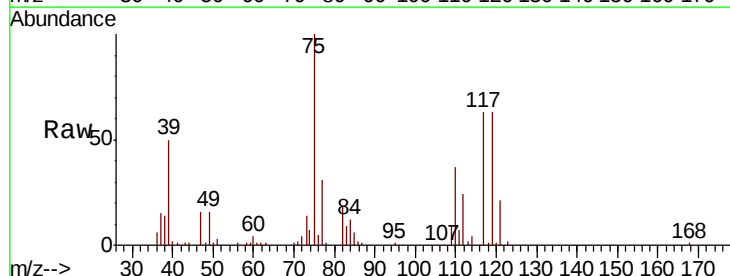
Manual Integrations
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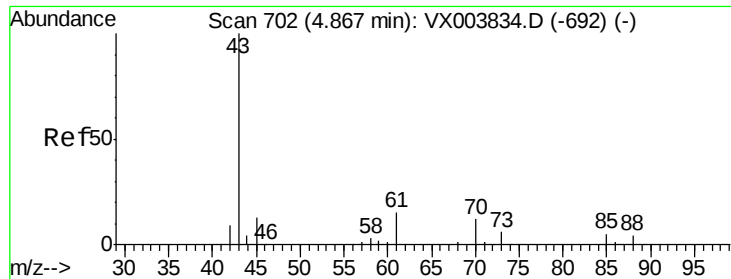
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#36
 1,1-Dichloropropene
 Concen: 18.39 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX003833.D
 Acq: 02 Aug 2018 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32452		
110	36.7	18.6	55.8	
77	31.3	24.9	37.3	





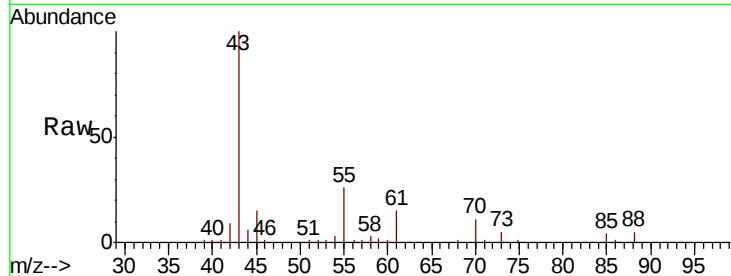
#37
Ethyl Acetate
Concen: 17.14 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX003833.D
Acq: 02 Aug 2018 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.4	18.6
70	11.0	8.9	13.3

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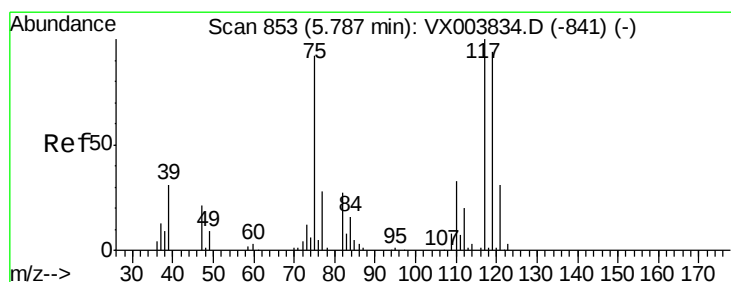
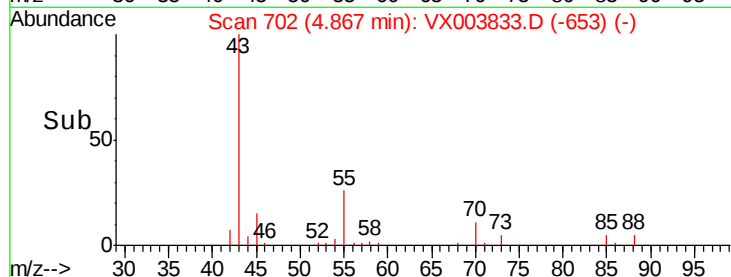
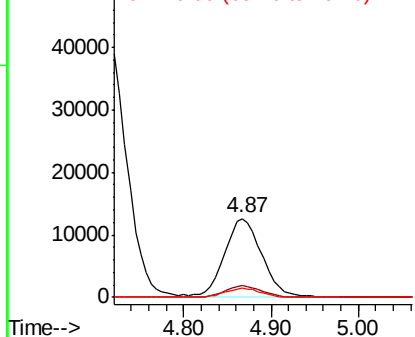


Abundance

Ion 43.00 (42.70 to 43.70): VX0

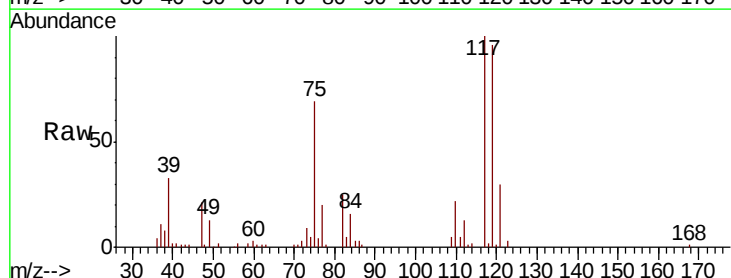
Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38
Carbon Tetrachloride
Concen: 19.16 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003833.D
Acq: 02 Aug 2018 19:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	74.6	112.0
121	30.0	24.4	36.6

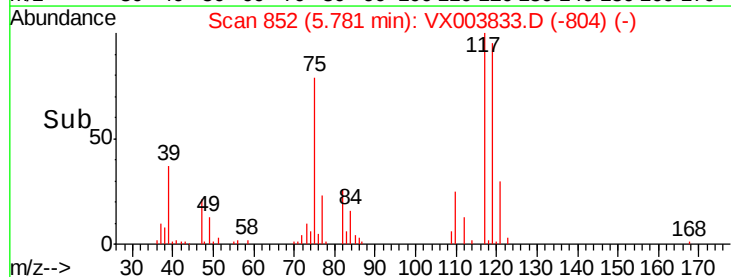
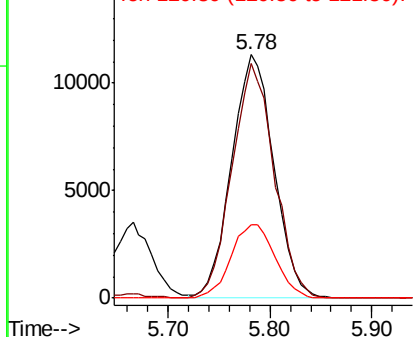


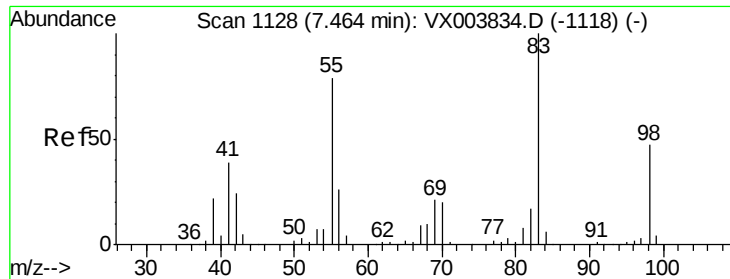
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





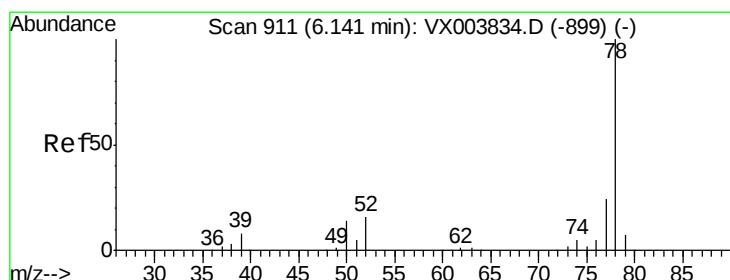
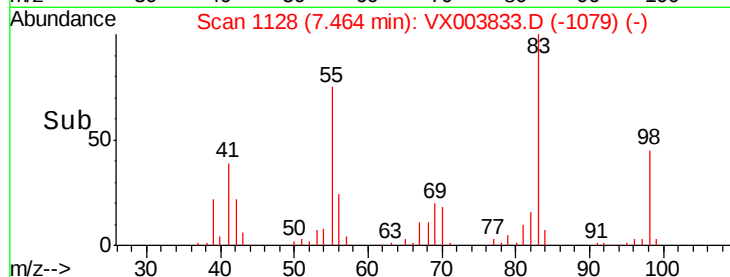
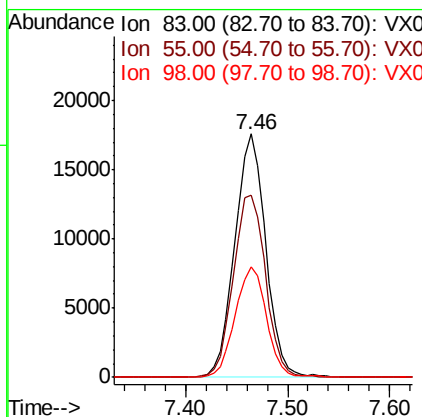
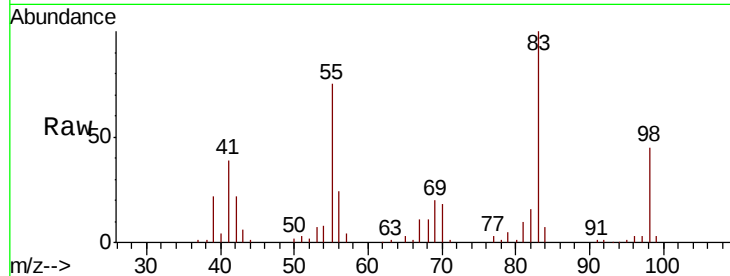
#39
Methvlcvclohexane
Concen: 19.69 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003833.D
Acq: 02 Aug 2018 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.7	63.1	94.7
98	45.4	37.5	56.3

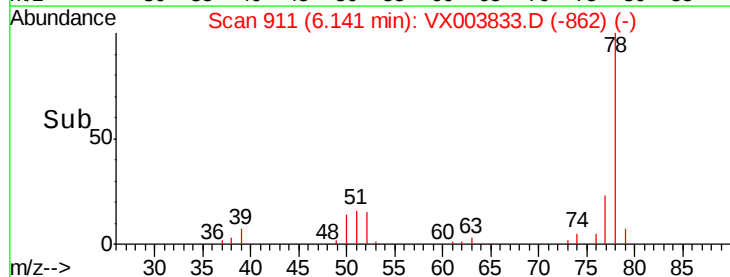
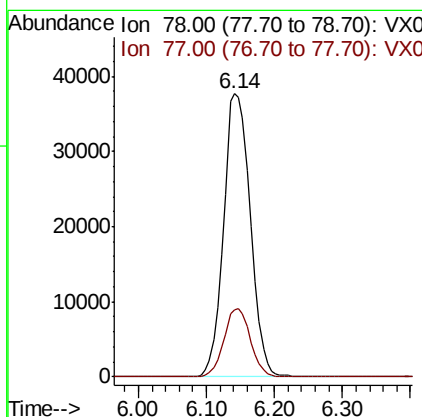
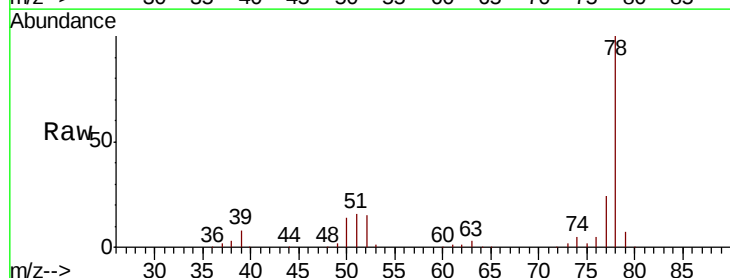
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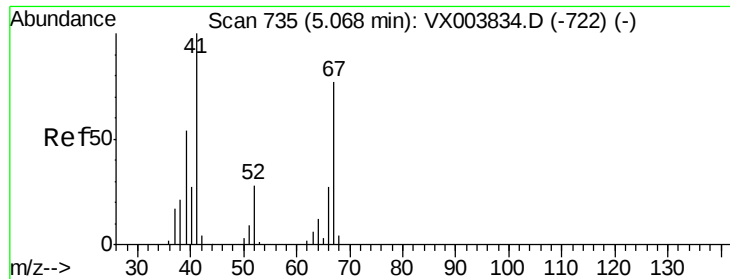
MMDadoda
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#40
Benzene
Concen: 19.29 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX003833.D
Acq: 02 Aug 2018 19:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3





#41

Methacrylonitrile

Concen: 16.94 ug/l

RT: 5.07 min Scan# 735

Delta R.T. 0.00 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Instrument :

MSVOA_X

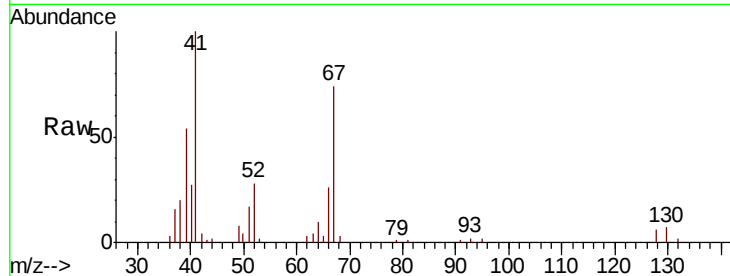
ClientSampleId :

VSTDIC020

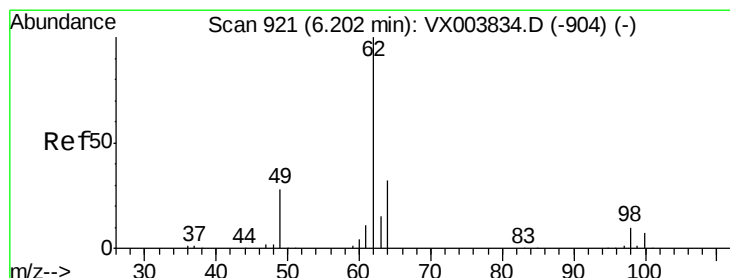
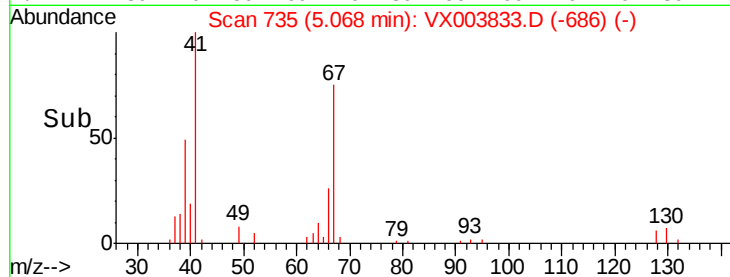
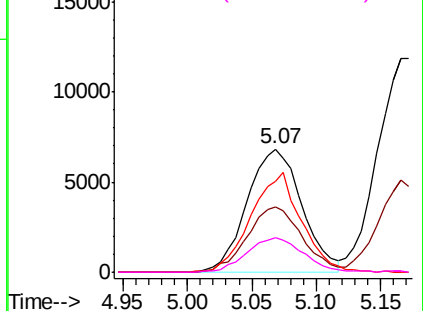
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.0	42.5	63.7	
67	74.4	58.8	88.2	
52	29.1	22.9	34.3	

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



#42

1,2-Dichloroethane

Concen: 18.22 ug/l

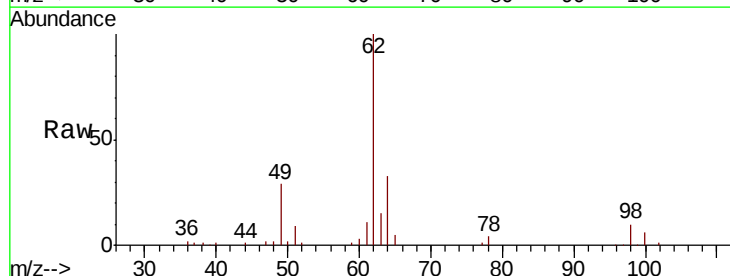
RT: 6.20 min Scan# 921

Delta R.T. -0.00 min

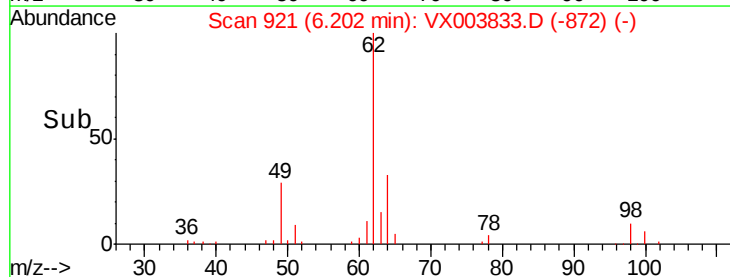
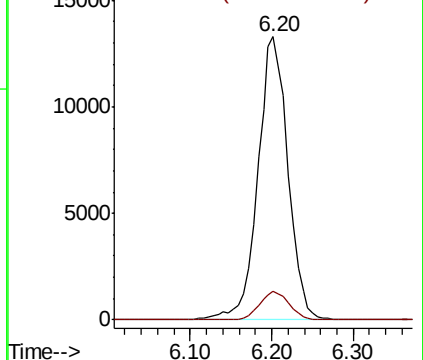
Lab File: VX003833.D

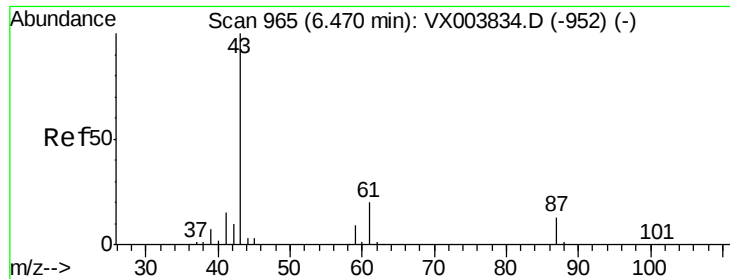
Acq: 02 Aug 2018 19:49

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	19.6	



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





#43

Isopropyl Acetate

Concen: 17.87 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Instrument :

MSVOA_X

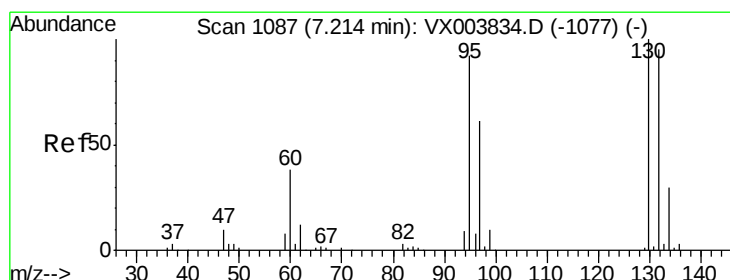
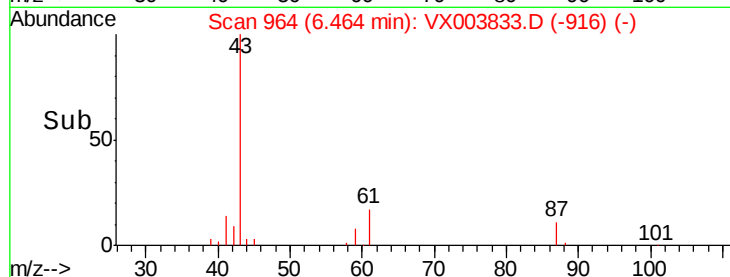
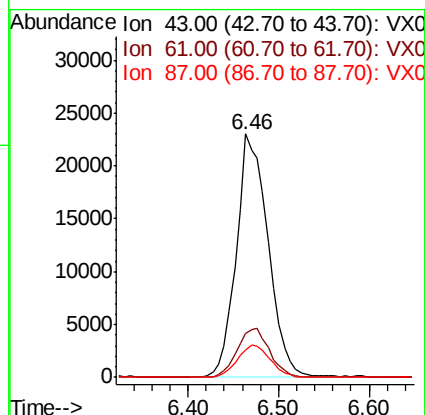
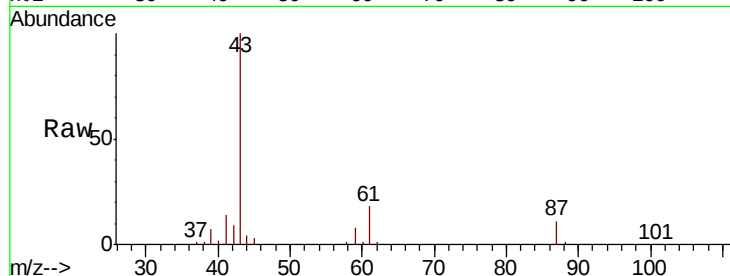
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	56106
Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.7	25.1
87	13.5	10.8	16.2

Manual Integrations
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#44

Trichloroethene

Concen: 19.39 ug/l

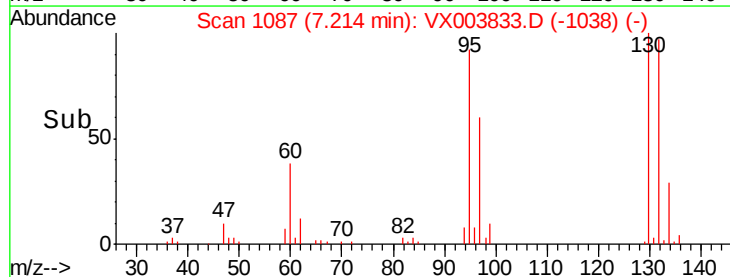
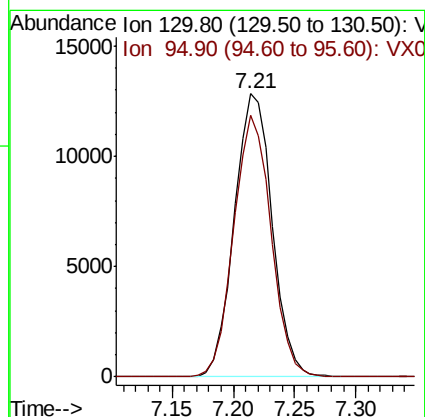
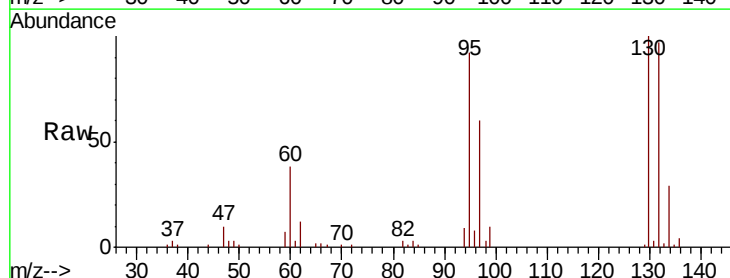
RT: 7.21 min Scan# 1087

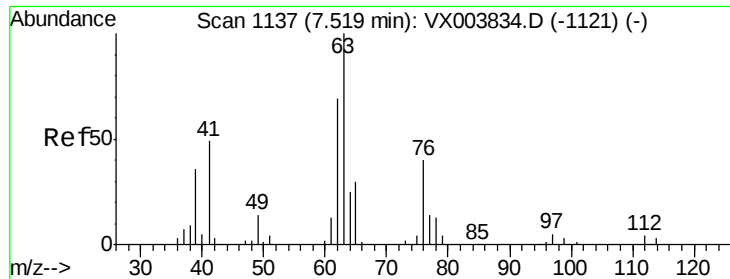
Delta R.T. -0.00 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Tgt Ion:	130	Resp:	27542
Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	184.8





#45

1,2-Dichloropropane

Concen: 18.91 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 26046

Ion Ratio Lower Upper

63 100

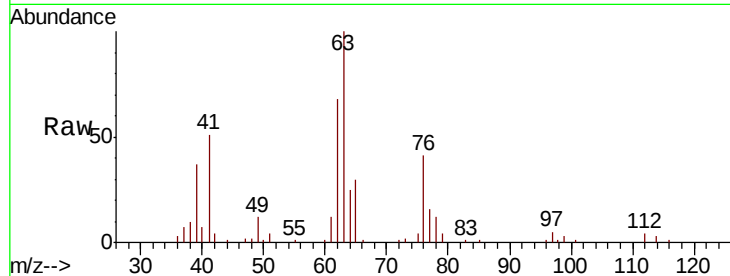
65 30.4 24.2 36.4

Manual Integrations

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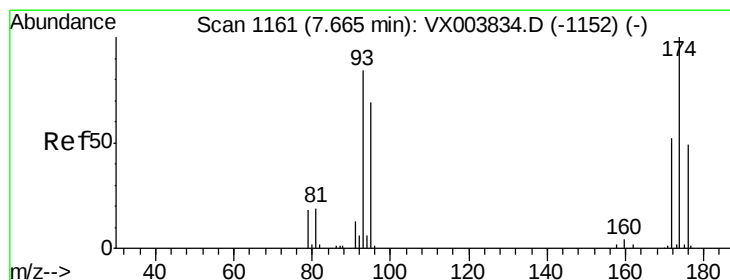
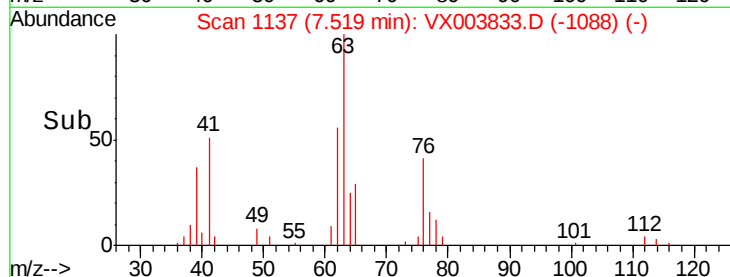
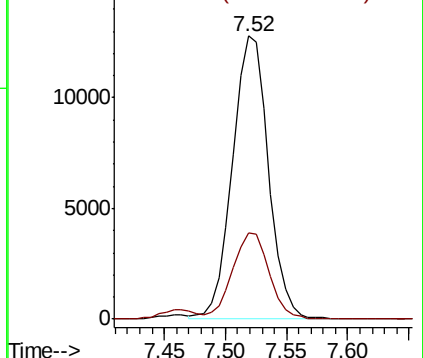
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.01 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

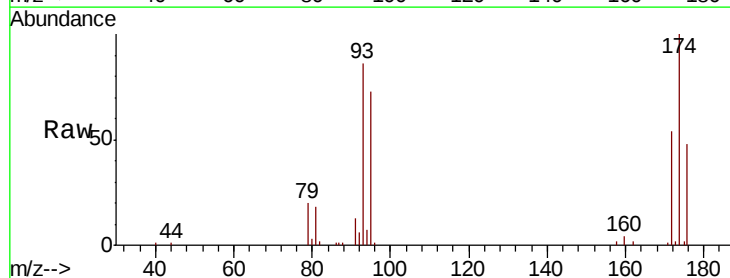
Tgt Ion: 93 Resp: 16941

Ion Ratio Lower Upper

93 100

95 84.0 67.0 100.6

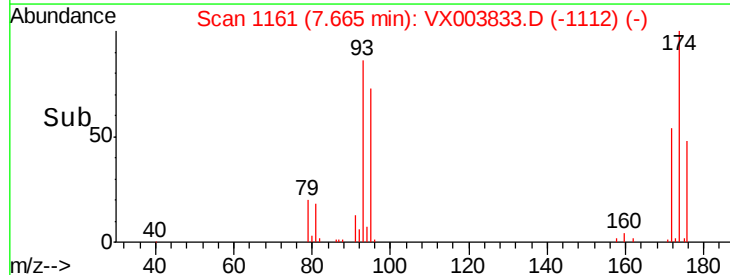
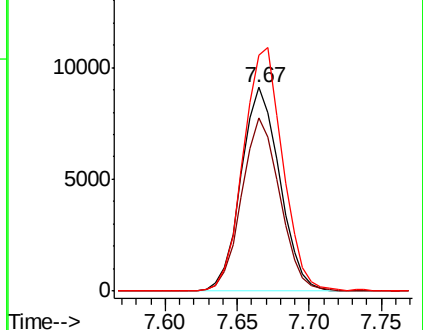
174 121.3 97.4 146.2

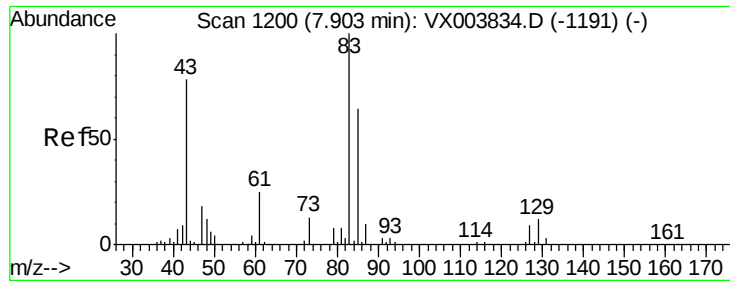


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.63 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Instrument :

MSVOA_X

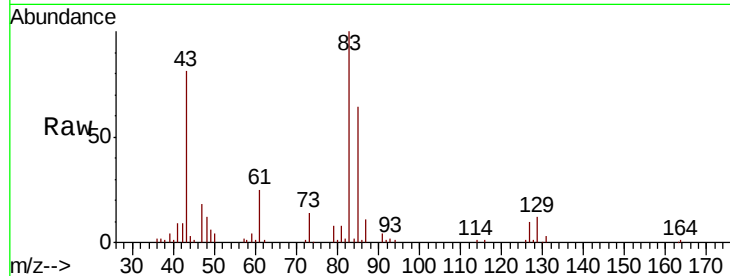
ClientSampleId :

VSTDIC020

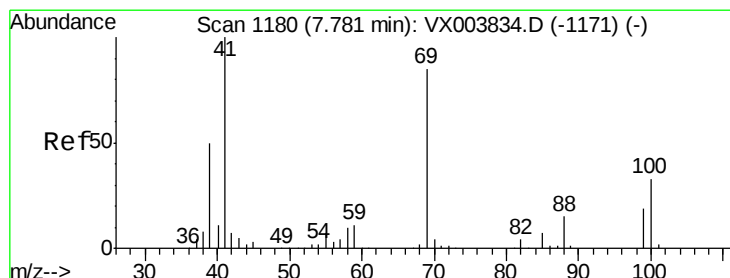
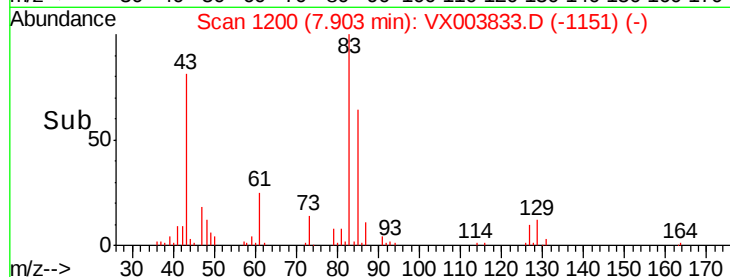
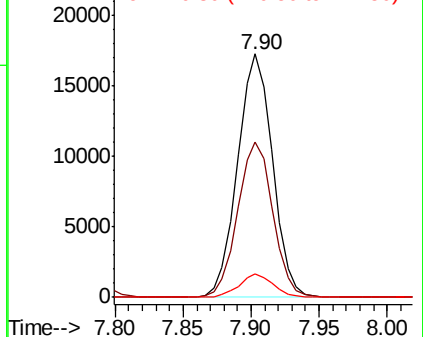
Tot Ion:	83	Resp:	31005
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.4	77.2
127	9.6	7.0	10.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 17.75 ug/l

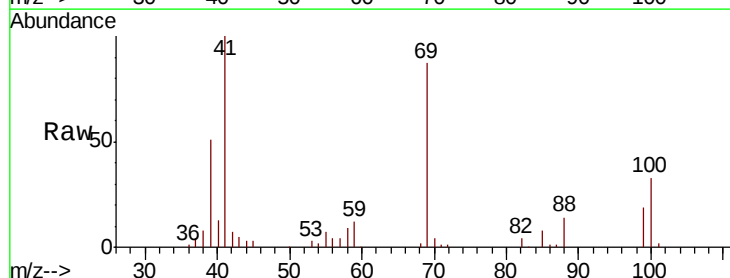
RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

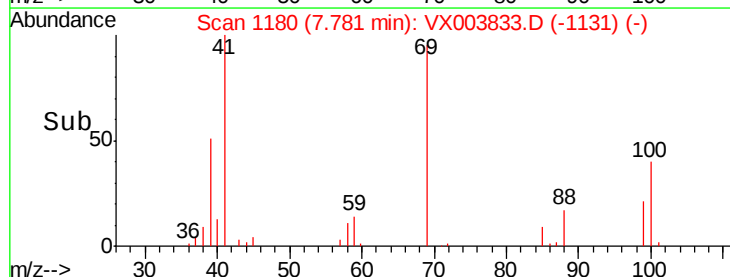
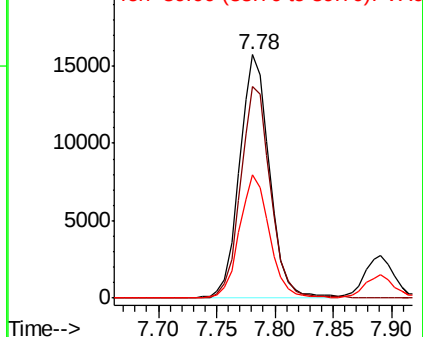
Lab File: VX003833.D

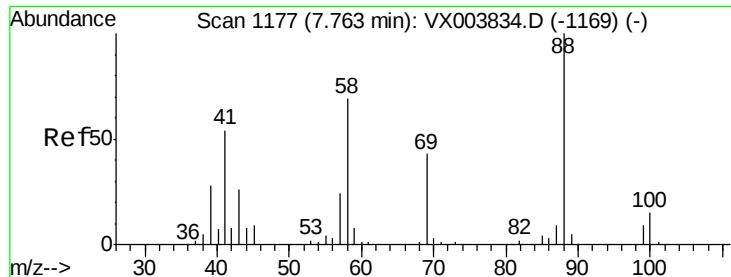
Acq: 02 Aug 2018 19:49

Tgt Ion:	41	Resp:	28287
Ion	Ratio	Lower	Upper
41	100		
69	86.5	70.2	105.4
39	50.6	40.9	61.3



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





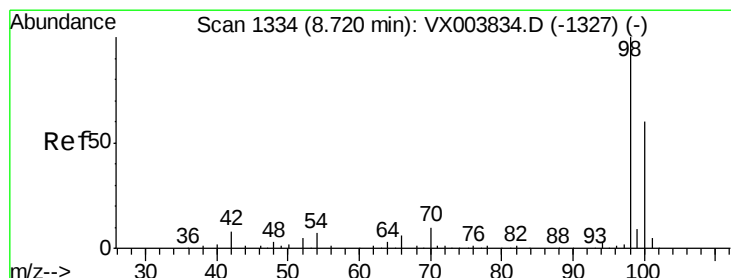
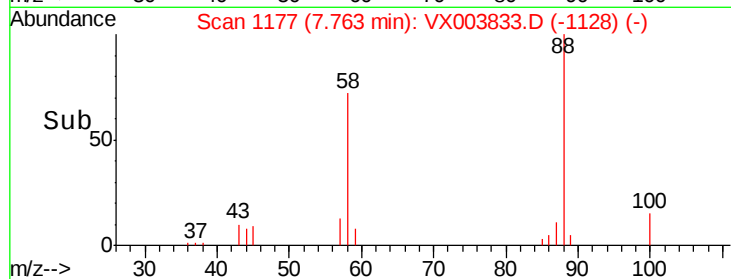
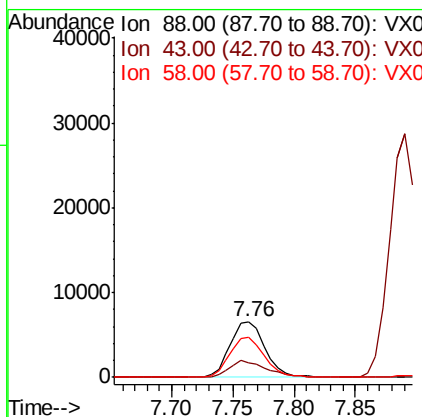
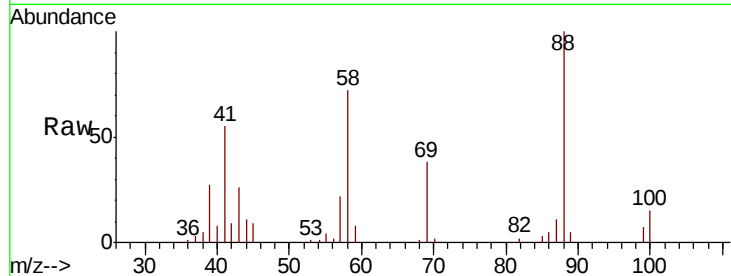
#49
1,4-Dioxane
Concen: 363.21 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX003833.D
Acq: 02 Aug 2018 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.4	24.4	36.6
58	71.8	56.5	84.7

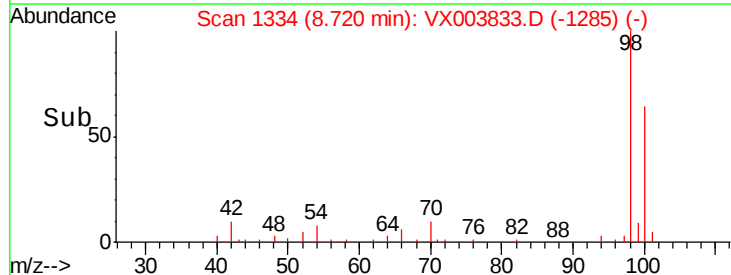
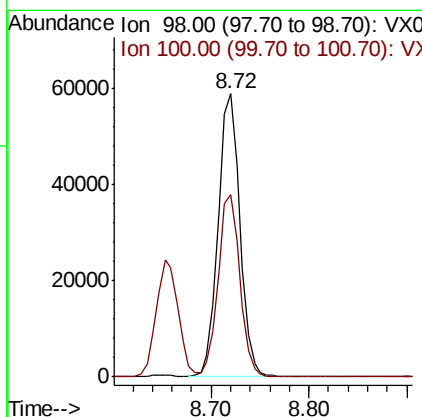
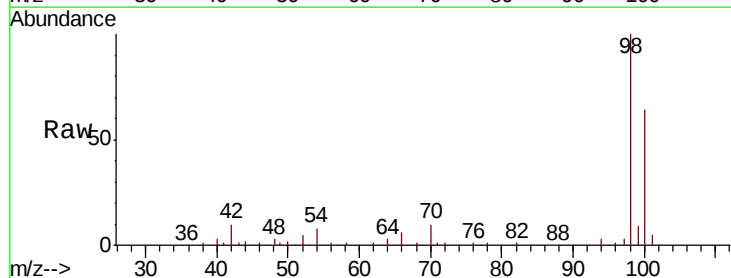
Manual Integrations
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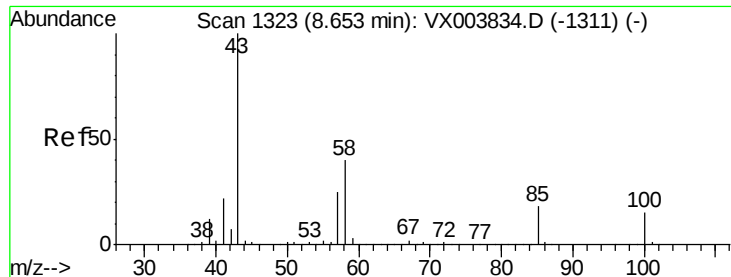
MMDadoda
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#50
Toluene-d8
Concen: 18.95 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003833.D
Acq: 02 Aug 2018 19:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 108.96 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 241013

Ion Ratio Lower Upper

43 100

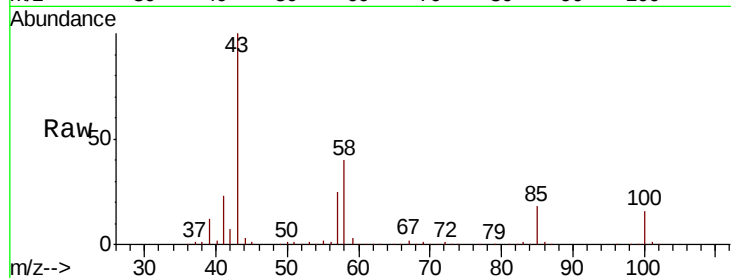
58 39.9 32.2 48.2

Manual Integrations

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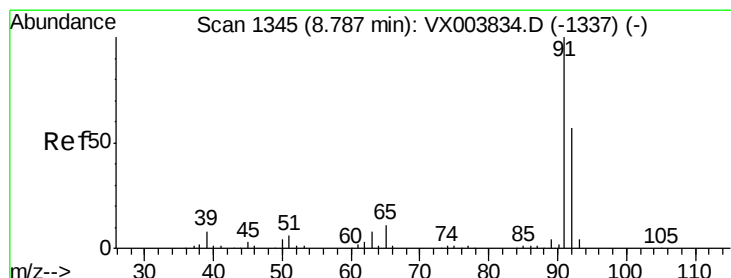
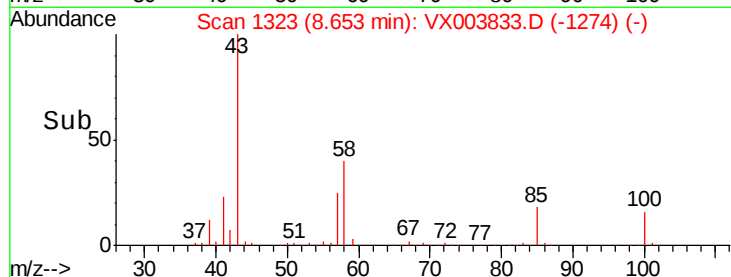
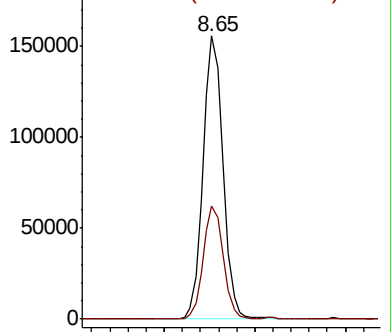
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.48 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003833.D

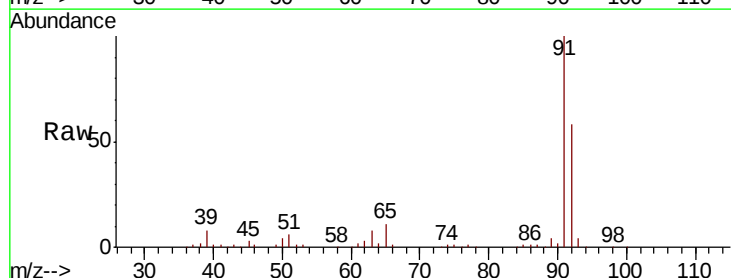
Acq: 02 Aug 2018 19:49

Tgt Ion: 92 Resp: 64338

Ion Ratio Lower Upper

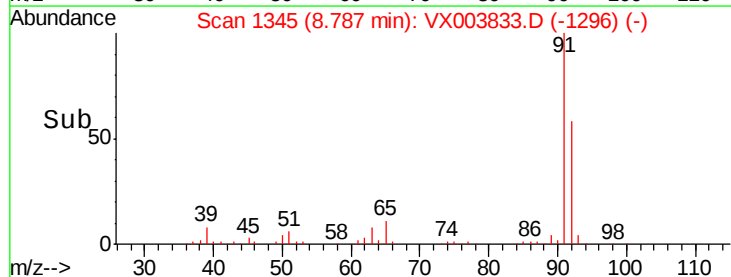
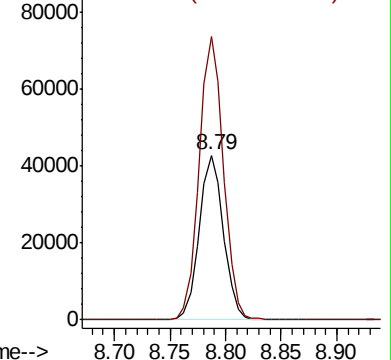
92 100

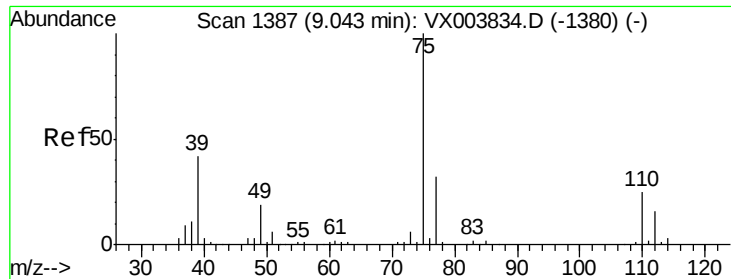
91 173.3 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





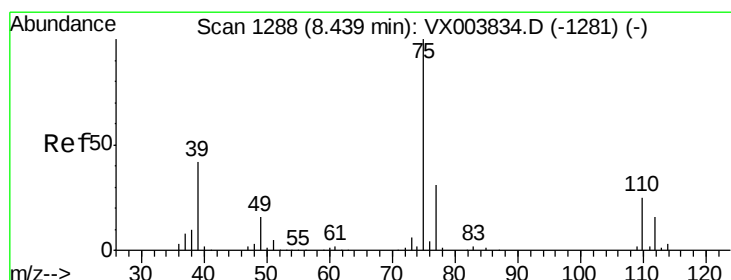
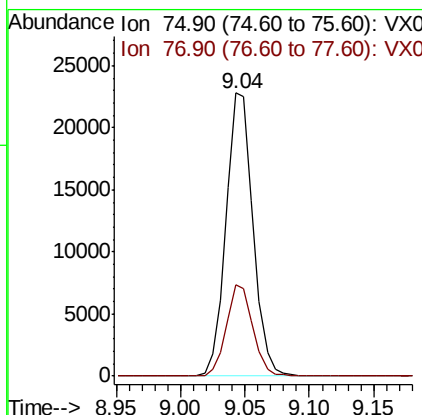
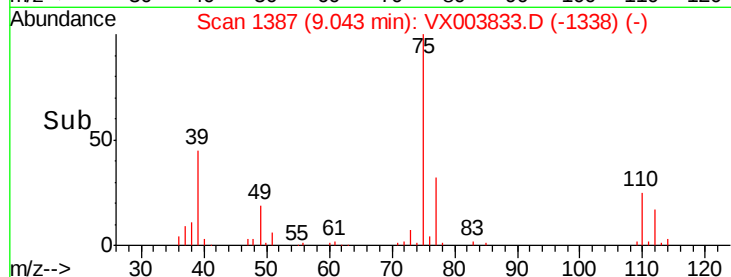
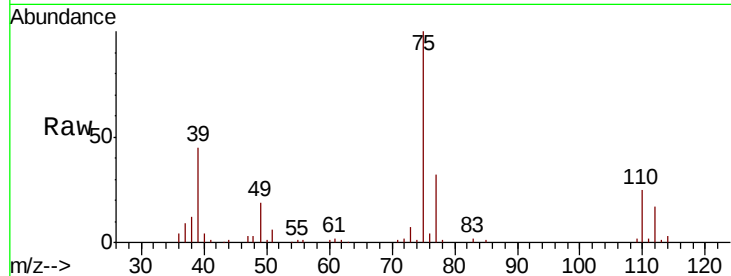
#53
 t-1,3-Dichloropropene
 Concen: 18.21 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX003833.D
 Acq: 02 Aug 2018 19:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 75 Resp: 33564
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.3 37.9

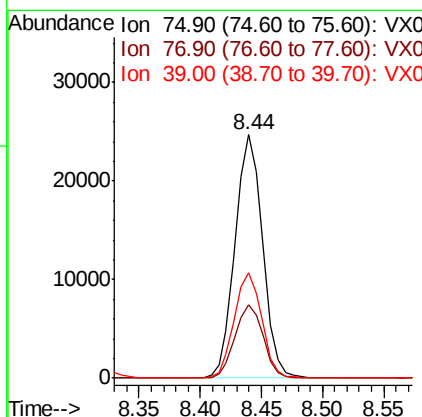
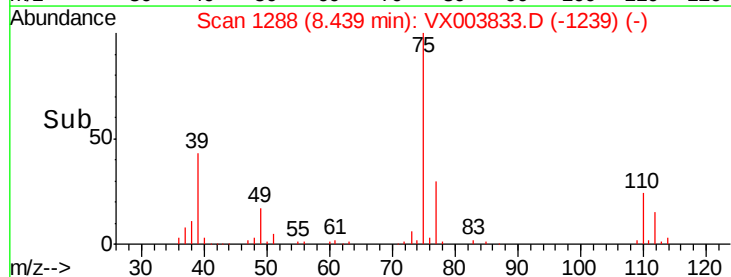
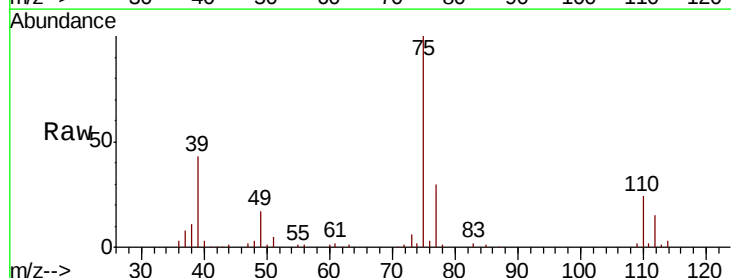
Manual Integrations
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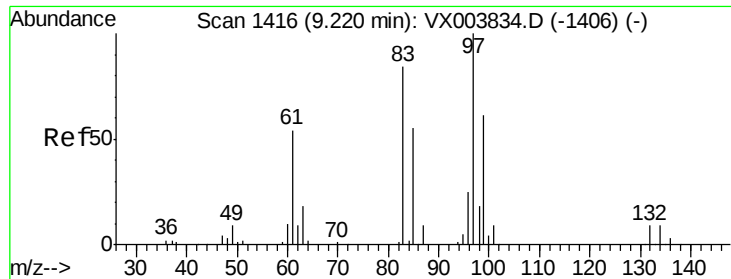
MMDadoda
 8/6/2018 1:35:40 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.02 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX003833.D
 Acq: 02 Aug 2018 19:49

Tgt Ion: 75 Resp: 38459
 Ion Ratio Lower Upper
 75 100
 77 30.0 25.2 37.8
 39 43.4 33.5 50.3





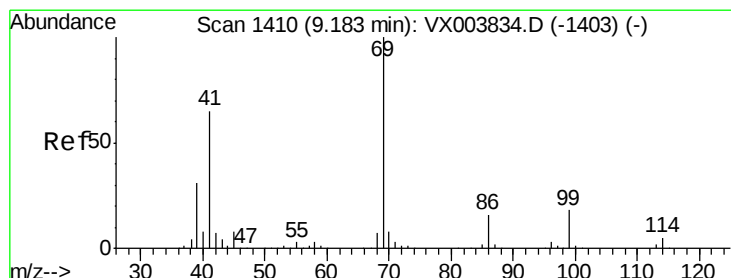
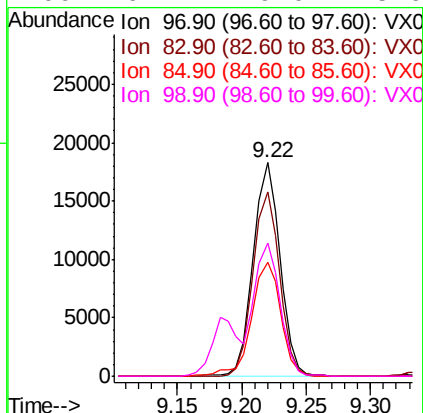
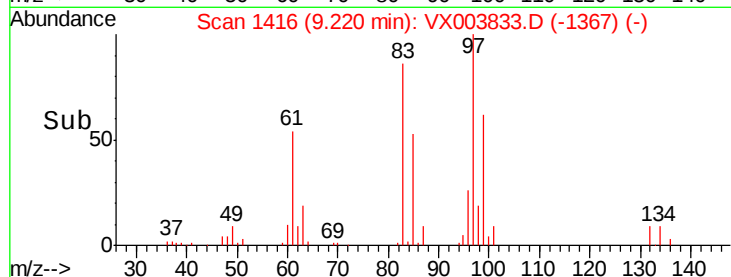
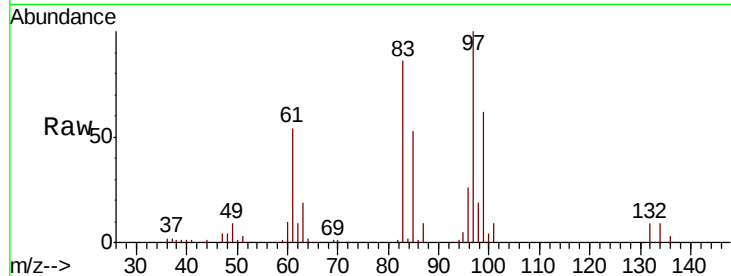
#55
 1,1,2-Trichloroethane
 Concen: 19.30 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003833.D
 Acq: 02 Aug 2018 19:49

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion:	97	Resp:	26285
Ion	Ratio	Lower	Upper
97	100		
83	86.3	67.4	101.2
85	53.1	43.9	65.9
99	62.1	49.0	73.6

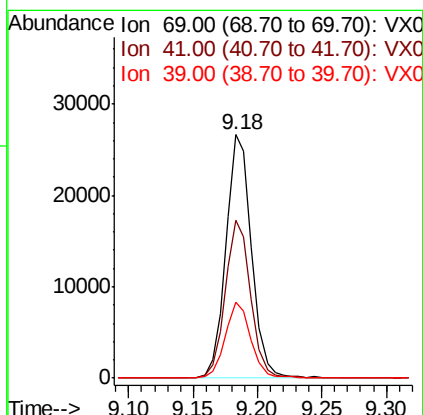
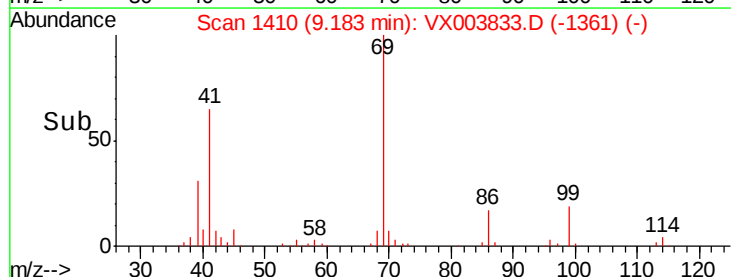
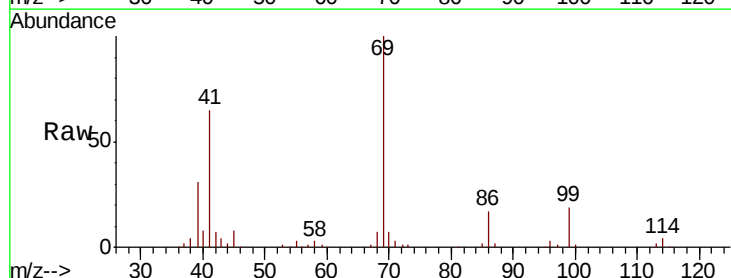
Manual Integrations
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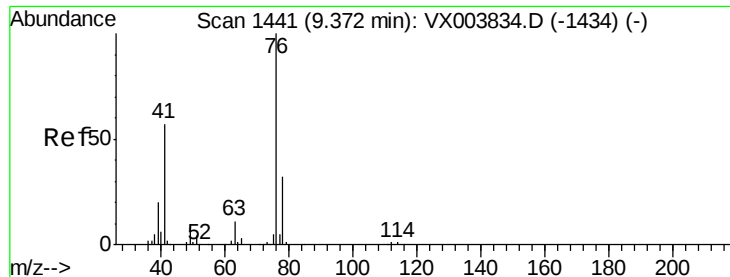
MMDadoda
 8/6/2018 1:35:40 PM



#56
 Ethyl methacrylate
 Concen: 18.42 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX003833.D
 Acq: 02 Aug 2018 19:49

Tgt Ion:	69	Resp:	37150
Ion	Ratio	Lower	Upper
69	100		
41	64.8	51.1	76.7
39	31.6	24.7	37.1





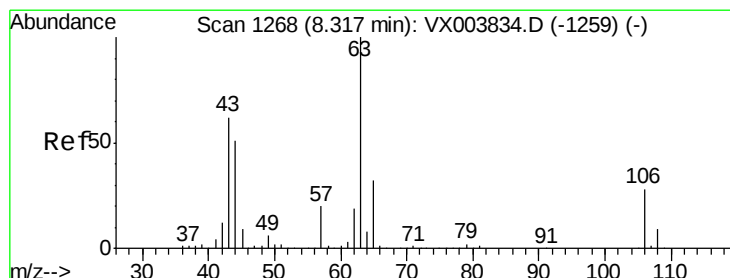
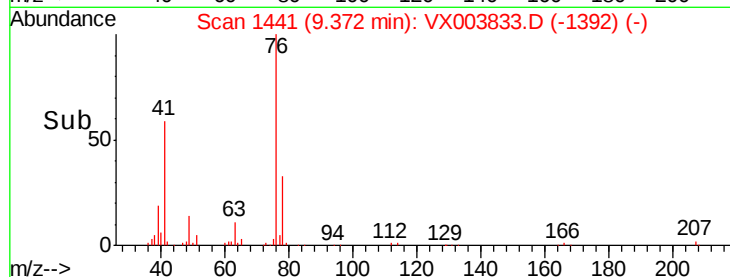
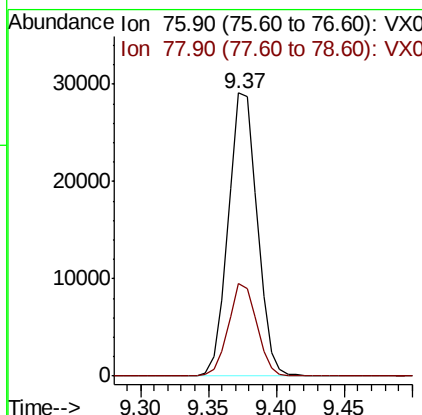
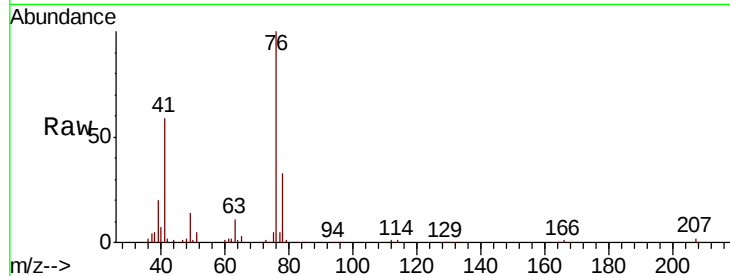
#57
 1,3-Dichloropropane
 Concen: 18.90 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX003833.D
 Acq: 02 Aug 2018 19:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 43162
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5

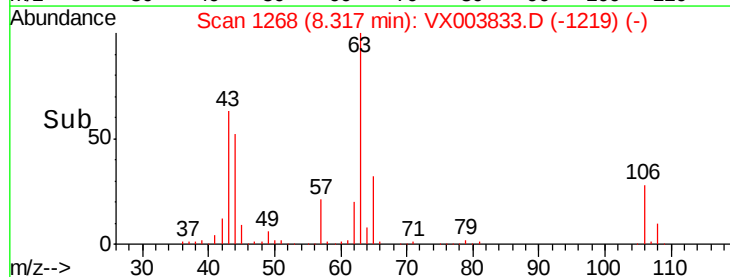
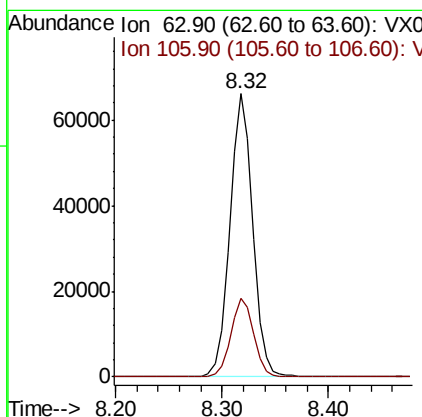
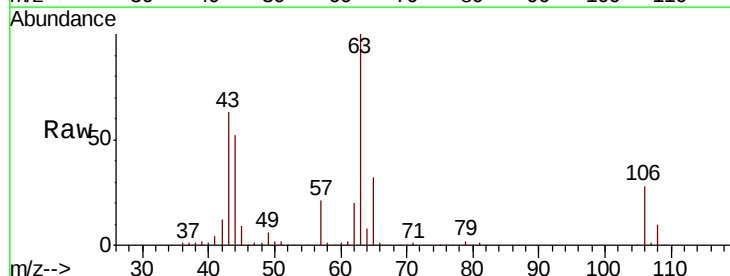
Manual Integrations
 APPROVED

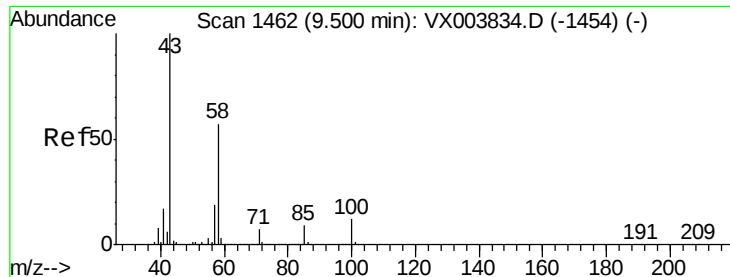
MMDadoda
 8/6/2018 1:35:40 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.33 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003833.D
 Acq: 02 Aug 2018 19:49

Tgt Ion: 63 Resp: 99142
 Ion Ratio Lower Upper
 63 100
 106 27.9 22.6 34.0





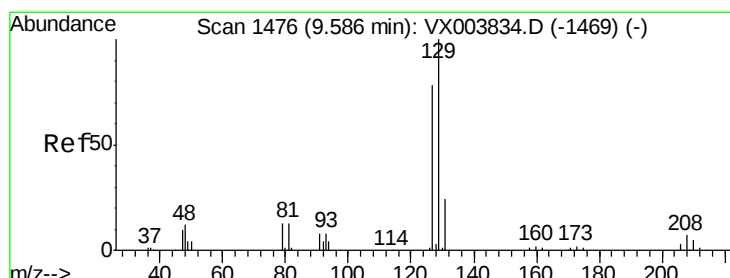
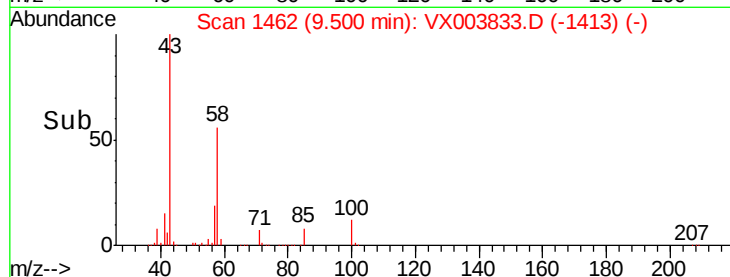
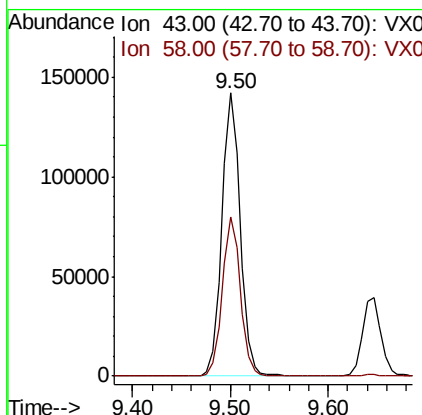
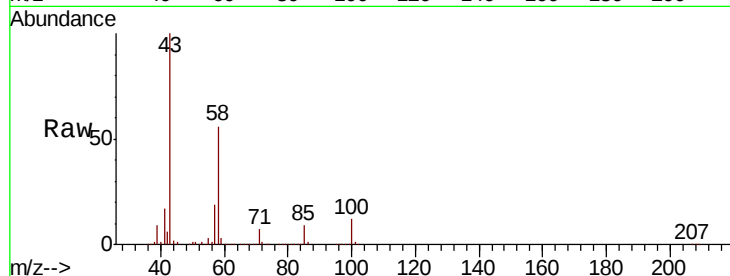
#59
2-Hexanone
Concen: 109.35 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003833.D
Acq: 02 Aug 2018 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.6	28.2	84.7

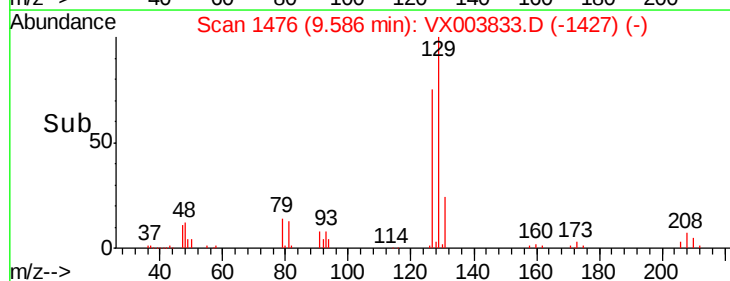
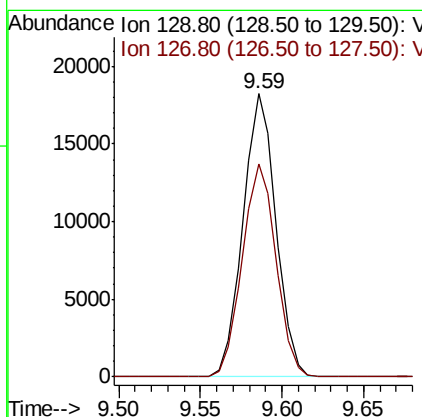
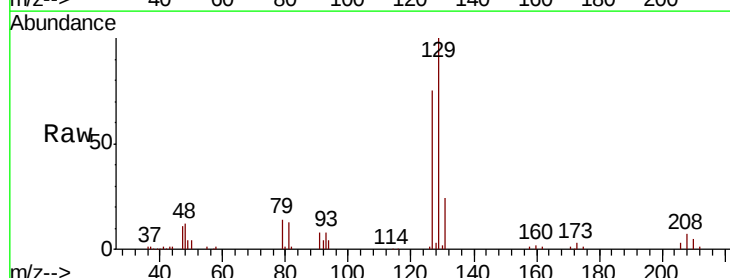
Manual Integrations
APPROVED

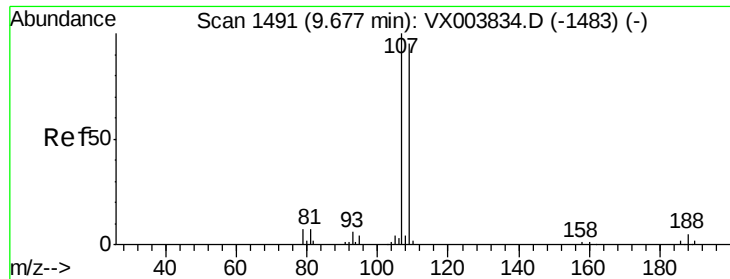
MMDadoda
8/6/2018 1:35:40 PM



#60
Dibromochloromethane
Concen: 19.81 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003833.D
Acq: 02 Aug 2018 19:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	39.0	116.9





#61

1,2-Dibromoethane

Concen: 19.14 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 27209

Ion Ratio Lower Upper

107 100

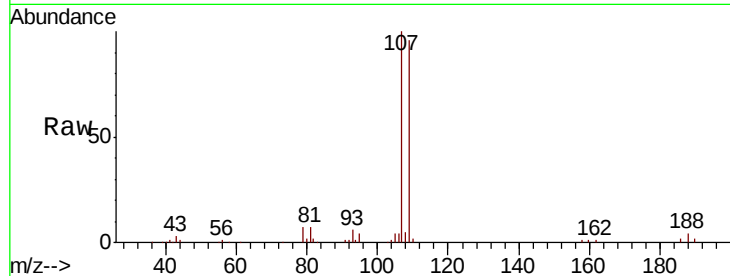
109 95.2 75.8 113.8

Manual Integrations

APPROVED

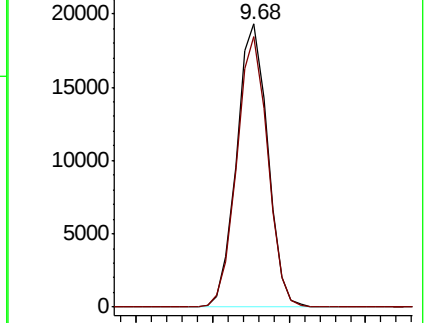
MMDadoda

8/6/2018 1:35:40 PM

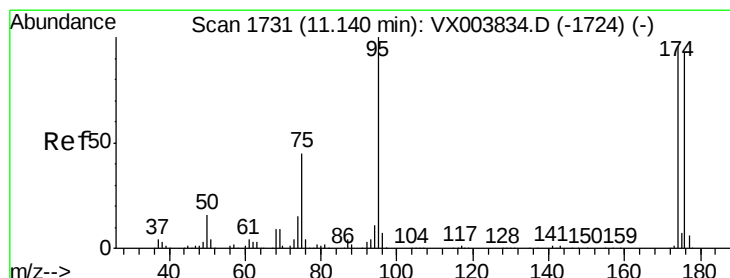
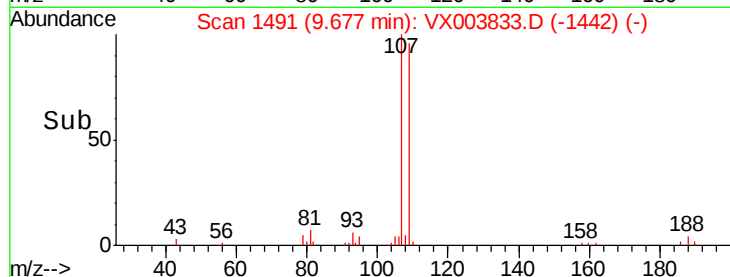


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 18.30 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

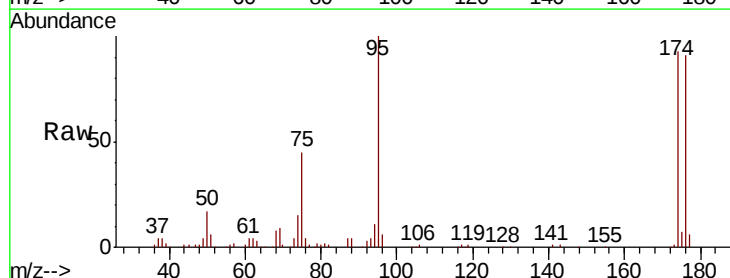
Tgt Ion: 95 Resp: 32033

Ion Ratio Lower Upper

95 100

174 94.4 0.0 192.2

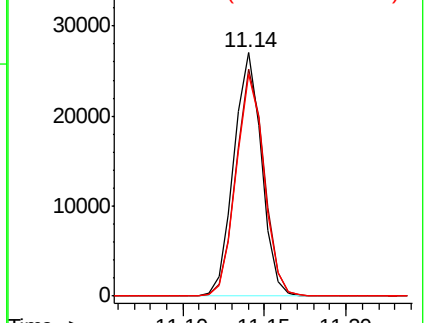
176 91.9 0.0 185.8



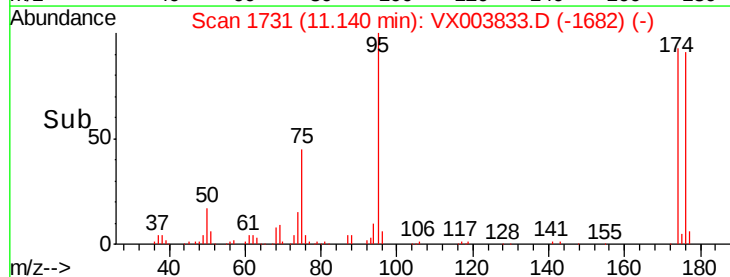
Abundance Ion 94.90 (94.60 to 95.60): VX0

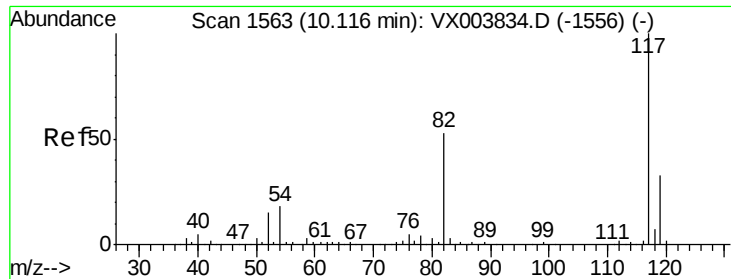
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





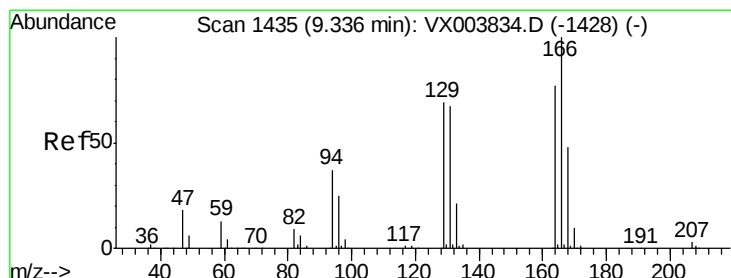
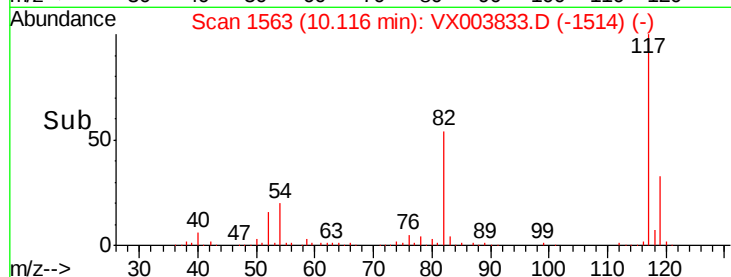
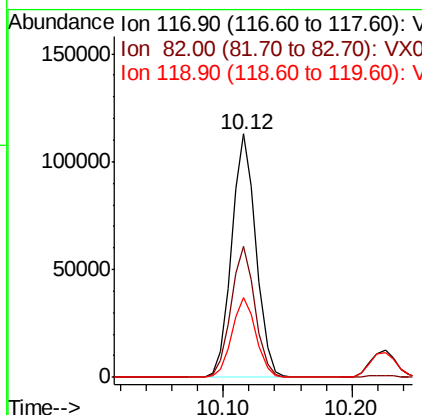
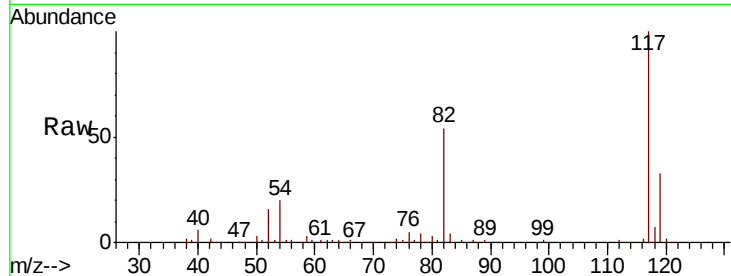
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003833.D
Acq: 02 Aug 2018 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.2	63.4
119	33.0	26.2	39.2

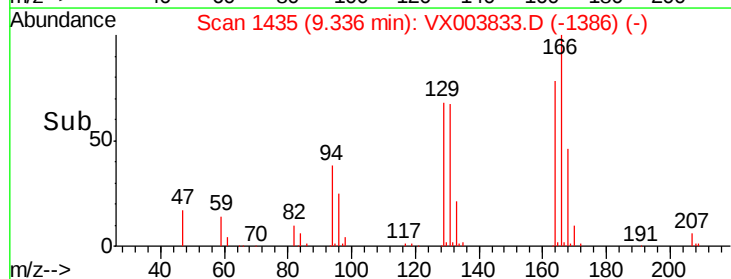
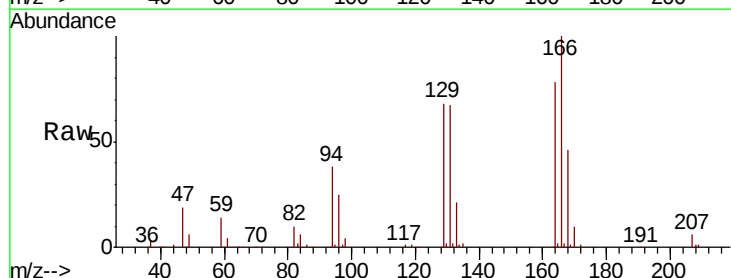
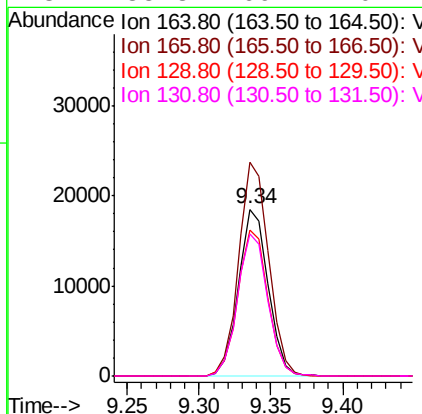
Manual Integrations
APPROVED

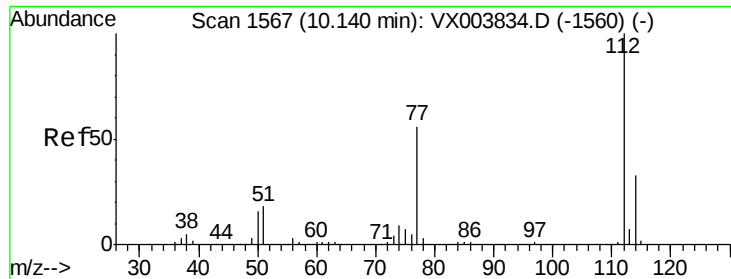
MMDadoda
8/6/2018 1:35:40 PM



#64
Tetrachloroethene
Concen: 19.70 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003833.D
Acq: 02 Aug 2018 19:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	103.7	155.5
129	87.5	71.9	107.9
131	85.3	69.4	104.2





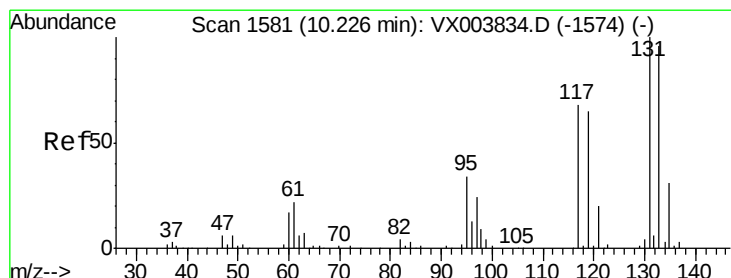
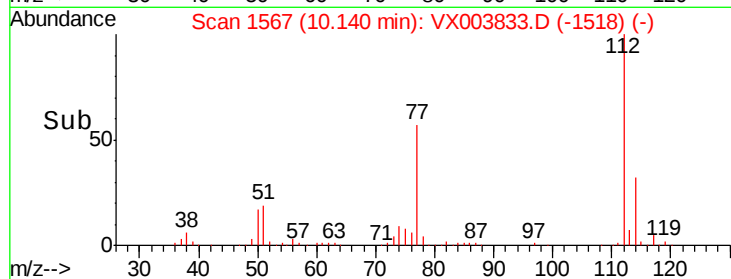
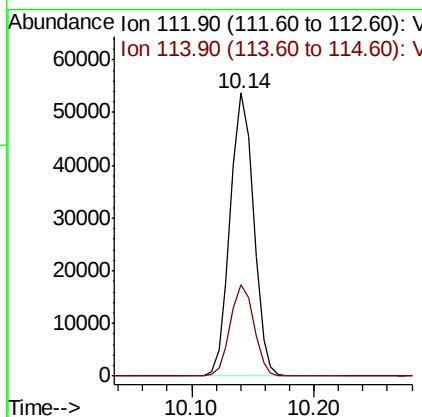
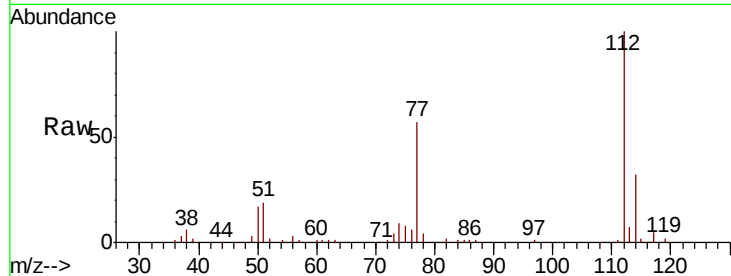
#65
Chlorobenzene
Concen: 19.12 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003833.D
Acq: 02 Aug 2018 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 71369
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.4

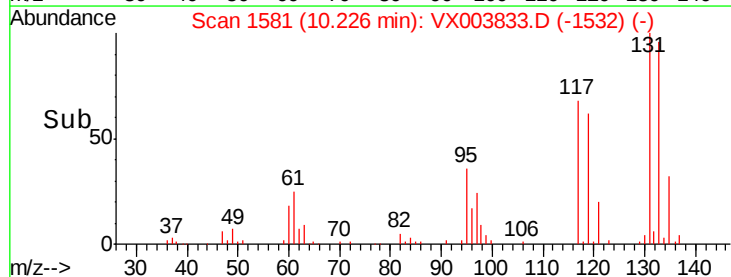
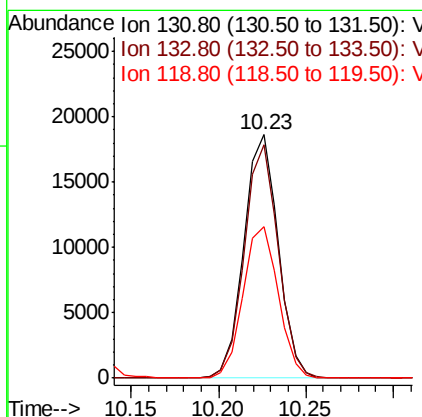
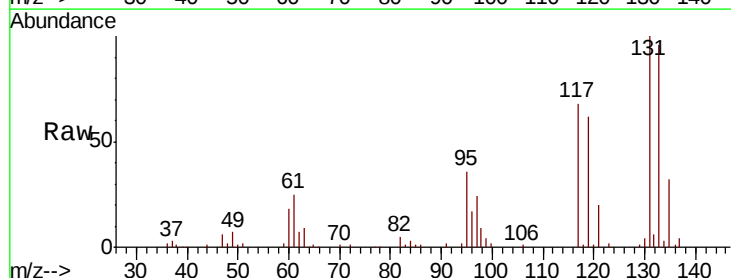
Manual Integrations
APPROVED

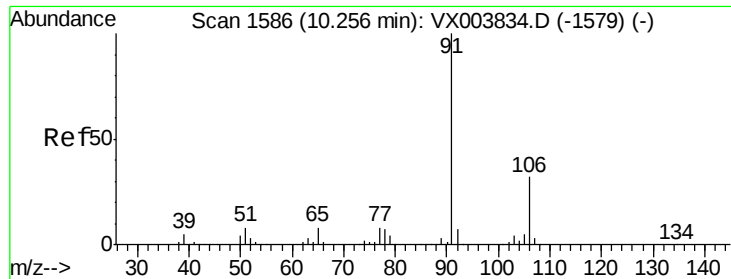
MMDadoda
8/6/2018 1:35:40 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.42 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003833.D
Acq: 02 Aug 2018 19:49

Tgt Ion:131 Resp: 25317
Ion Ratio Lower Upper
131 100
133 95.2 47.9 143.8
119 64.6 32.8 98.3





#67

Ethyl Benzene

Concen: 18.96 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 117069

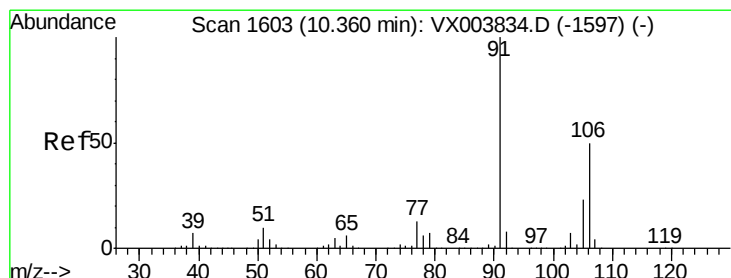
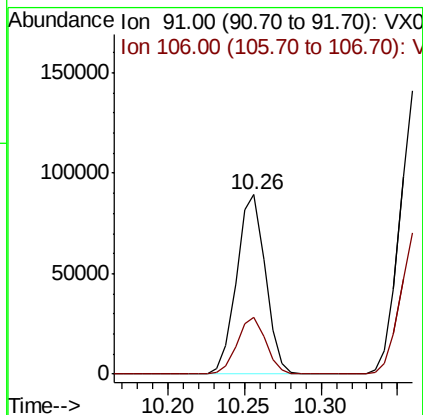
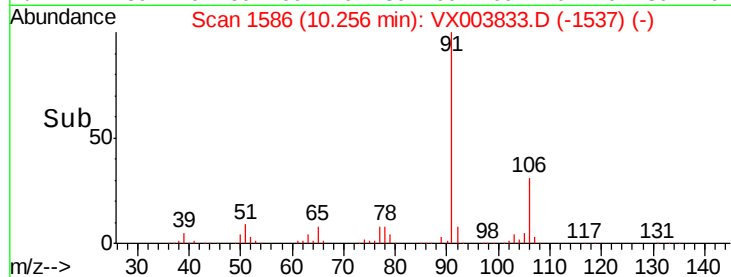
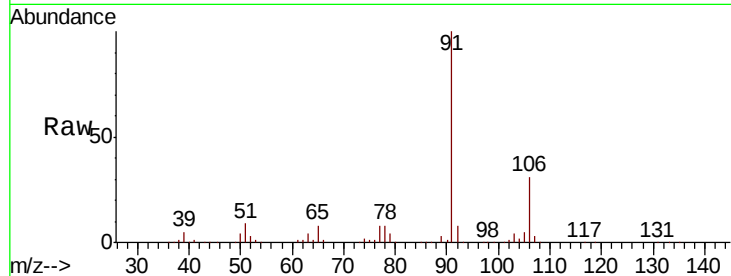
Ion Ratio Lower Upper

91 100

106 31.5 25.7 38.5

Manual Integrations
APPROVED

MMDadoda
8/6/2018 1:35:40 PM



#68

m/p-Xylenes

Concen: 39.27 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003833.D

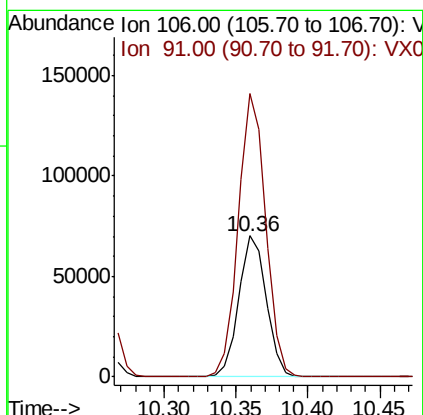
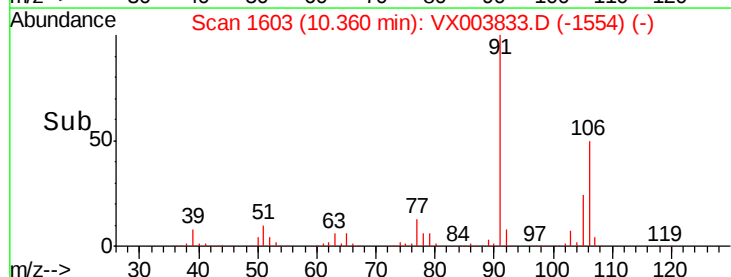
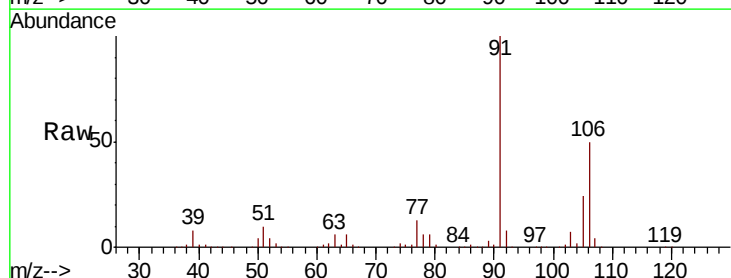
Acq: 02 Aug 2018 19:49

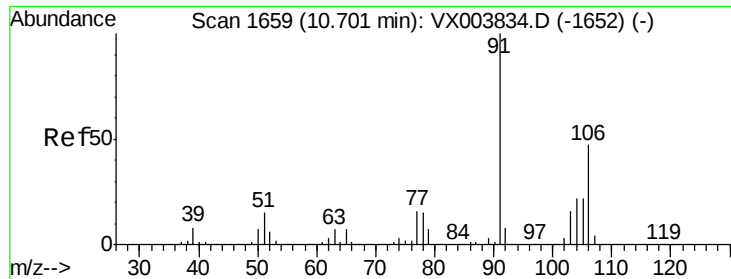
Tgt Ion: 106 Resp: 93223

Ion Ratio Lower Upper

106 100

91 199.5 161.3 241.9





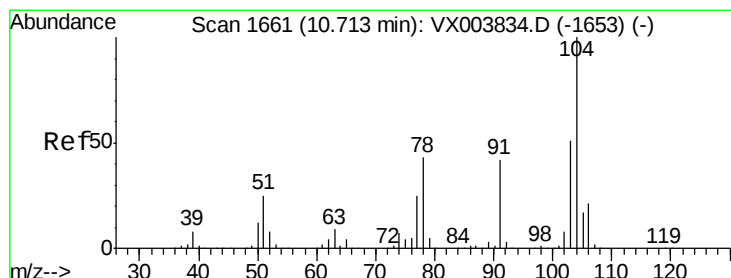
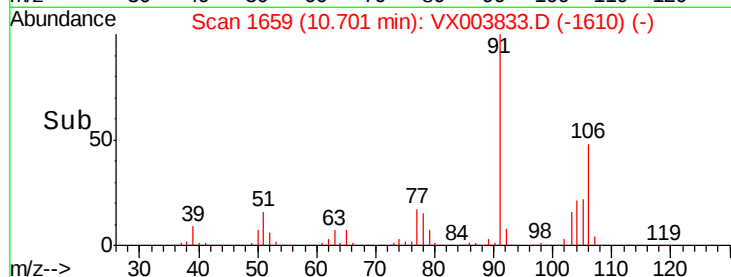
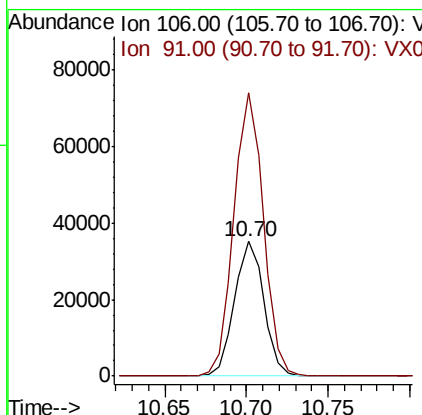
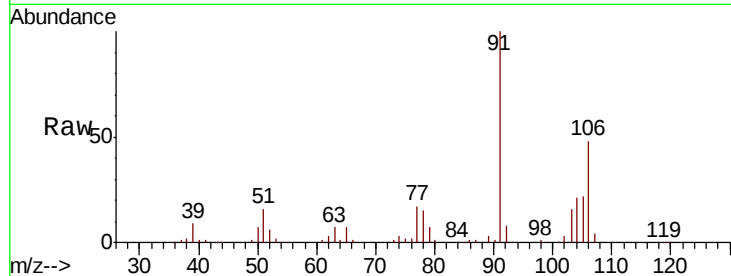
#69
o-Xylene
Concen: 19.22 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003833.D
Acq: 02 Aug 2018 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.5	105.7	317.1

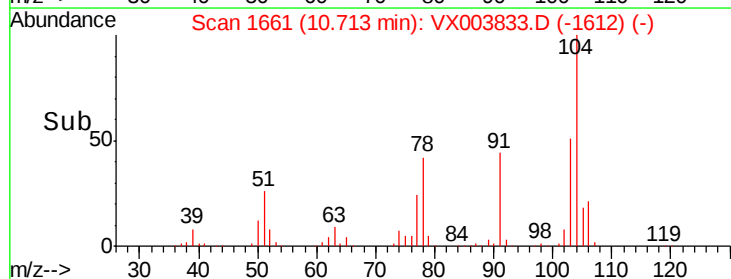
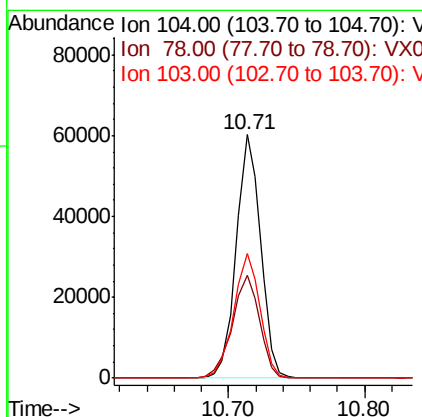
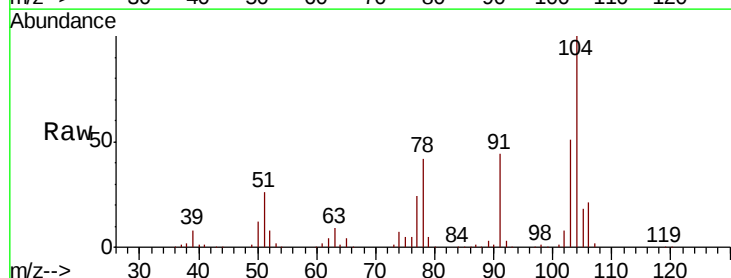
Manual Integrations
APPROVED

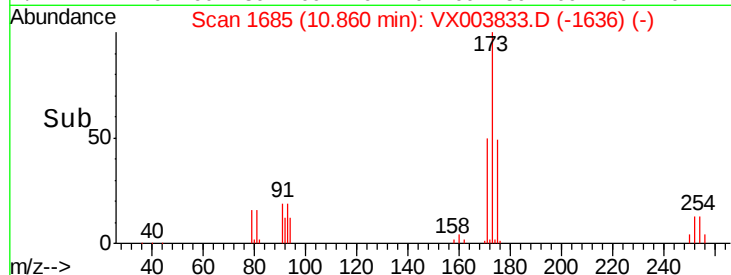
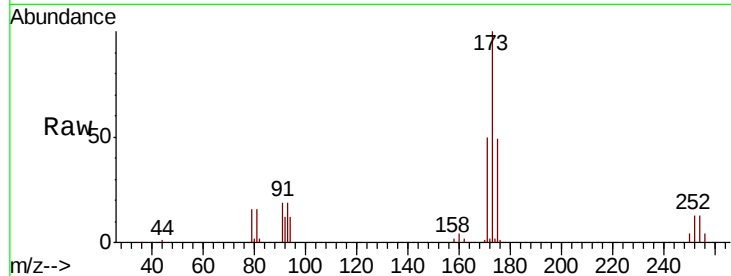
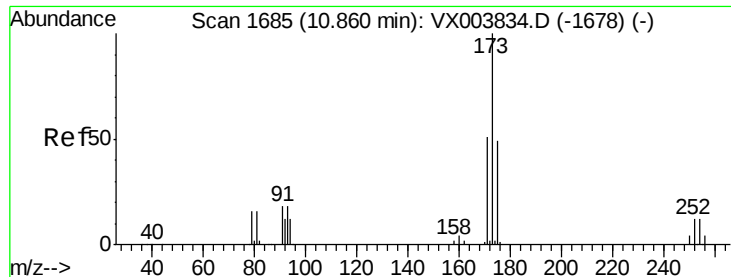
MMDadoda
8/6/2018 1:35:40 PM



#70
Styrene
Concen: 19.49 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003833.D
Acq: 02 Aug 2018 19:49

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.4	37.8	56.8
103	55.4	44.2	66.4





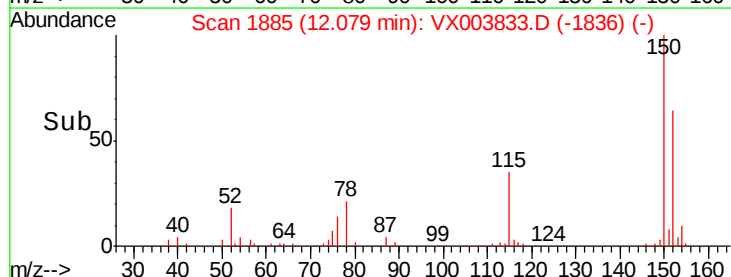
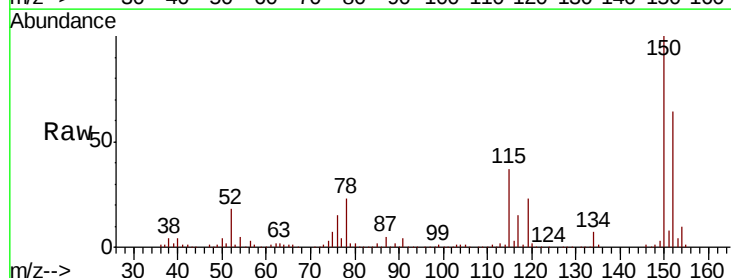
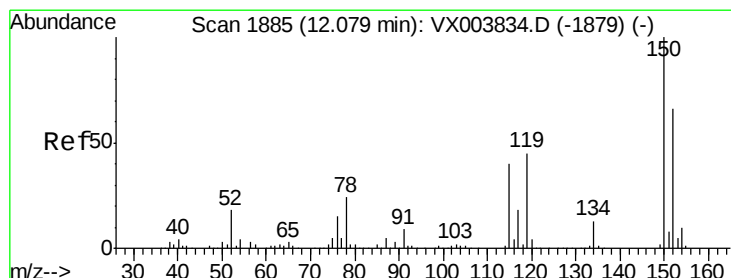
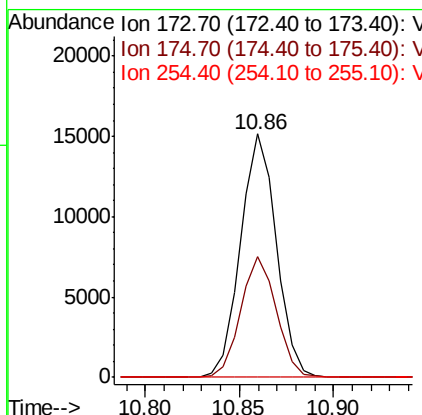
#71
Bromoform
Concen: 19.17 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX003833.D
Acq: 02 Aug 2018 19:49

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.4	73.2
254	0.0	0.1	0.1#

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

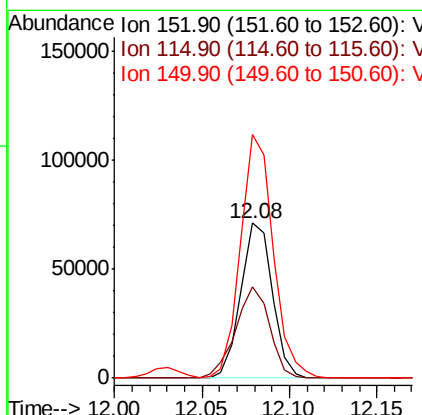
Manual Integrations
APPROVED

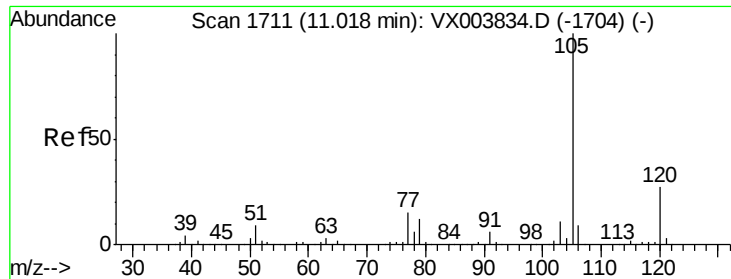
MMDadoda
8/6/2018 1:35:40 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003833.D
Acq: 02 Aug 2018 19:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.2	37.4	112.1
150	162.5	0.0	346.6





#73

Isopropylbenzene

Concen: 19.97 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 120026

Ion Ratio Lower Upper

105 100

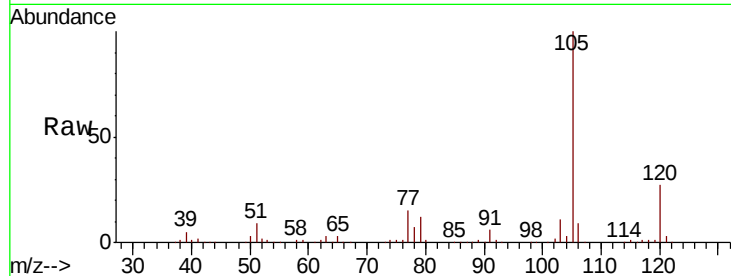
120 26.8 13.6 40.7

Manual Integrations

APPROVED

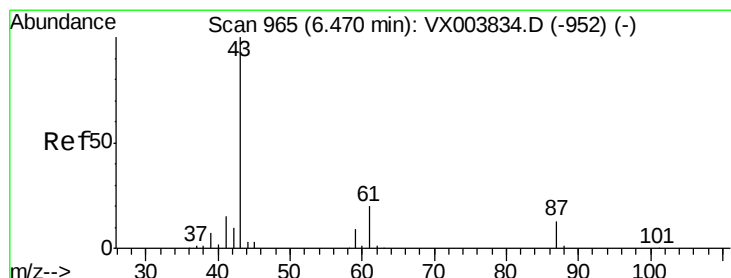
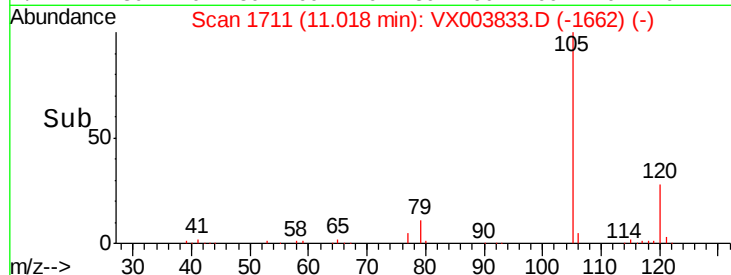
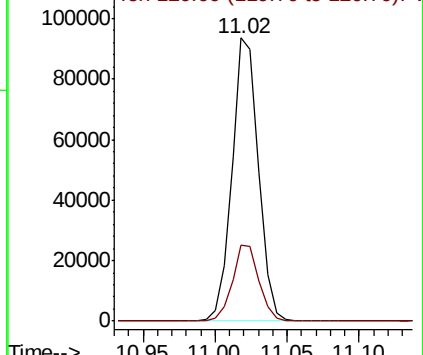
MMDadoda

8/6/2018 1:35:40 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.80 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Tgt Ion: 43 Resp: 56106

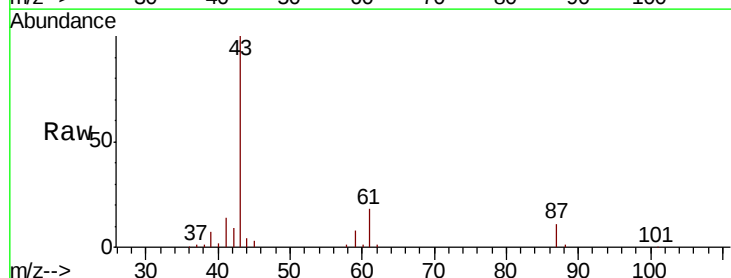
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 20.6 16.7 25.1

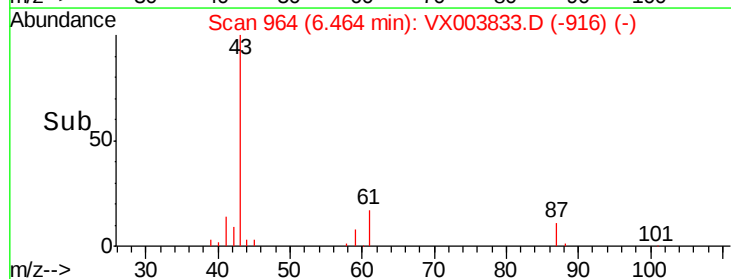
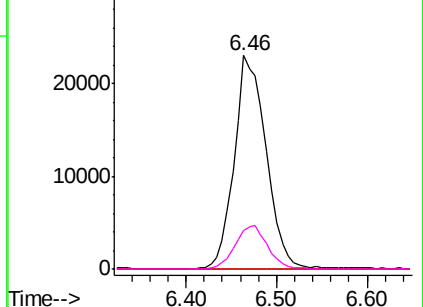


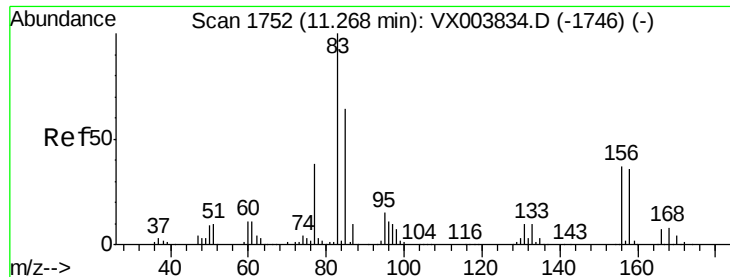
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 18.37 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Instrument :

MSVOA_X

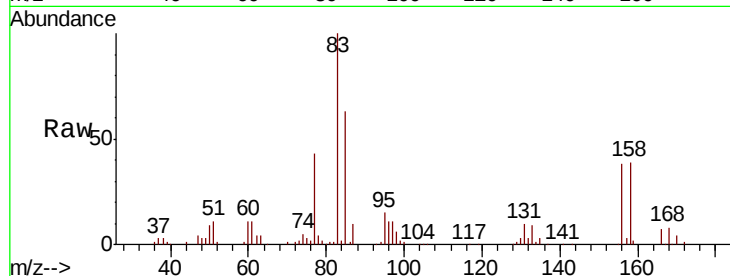
ClientSampleId :

VSTDIC020

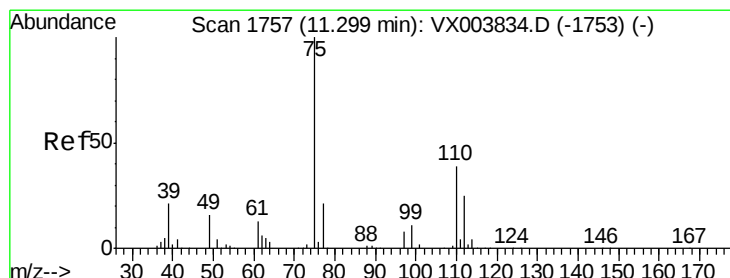
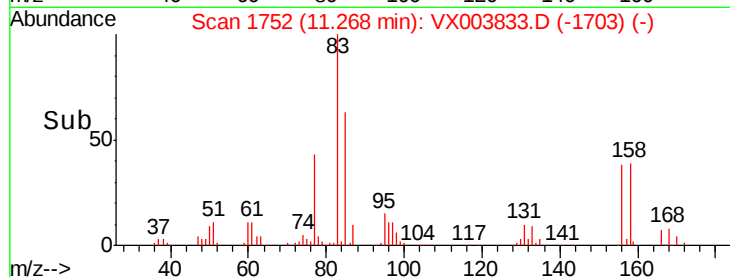
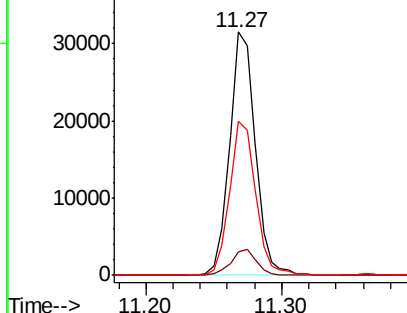
Tot Ion:	83	Resp:	41366
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.3	15.9
85	64.5	32.1	96.3

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



#76

1,2,3-Trichloropropane

Concen: 18.87 ug/l m

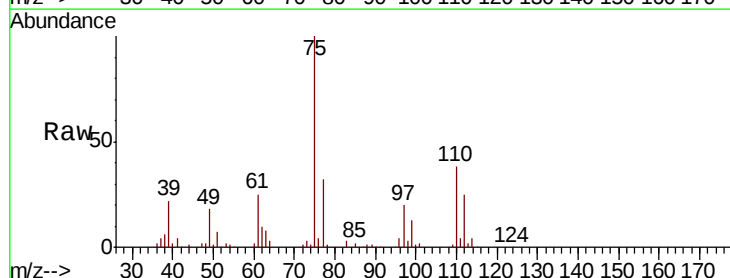
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

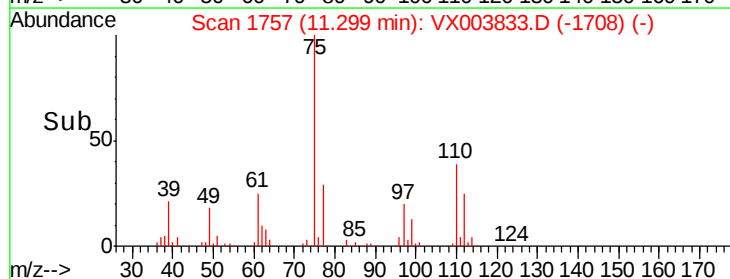
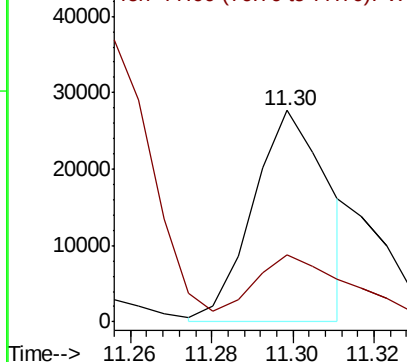
Lab File: VX003833.D

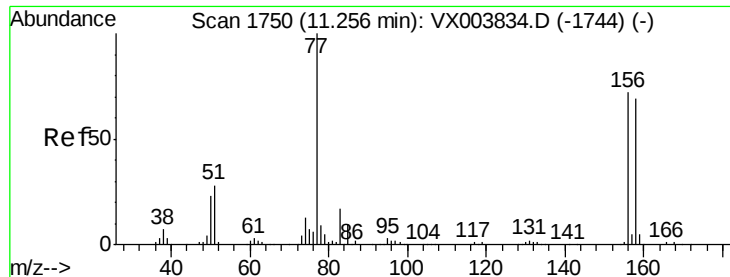
Acq: 02 Aug 2018 19:49

Tgt Ion:	75	Resp:	35443
Ion	Ratio	Lower	Upper
75	100		
77	41.8	21.1	63.3



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





#77

Bromobenzene

Concen: 19.51 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Instrument :

MSVOA_X

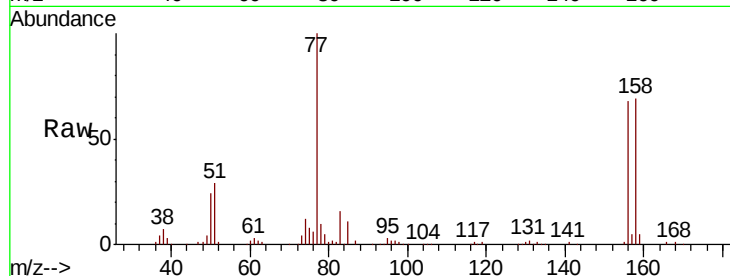
ClientSampleId :

VSTDIC020

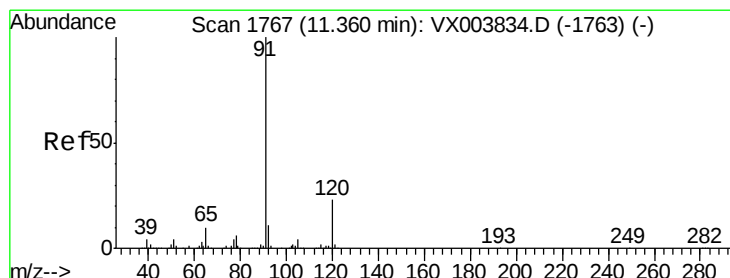
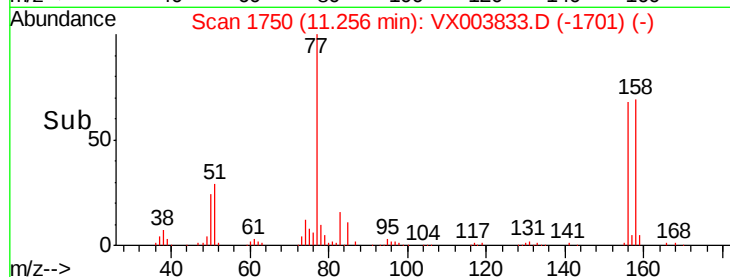
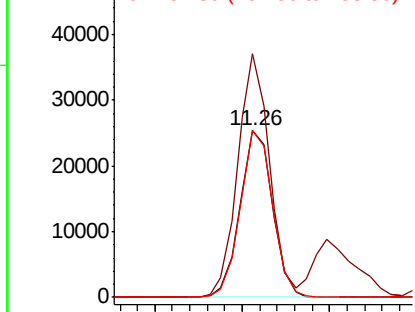
Tot Ion:	156	Resp:	32587
Ion Ratio	Lower	Upper	
156	100		
77	142.6	69.0	206.9
158	99.5	48.1	144.4

Manual Integrations
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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: 19.52 ug/l

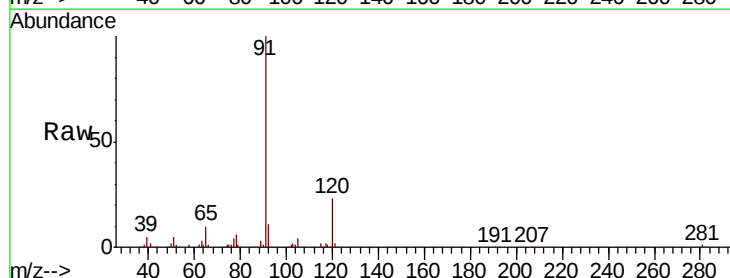
RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

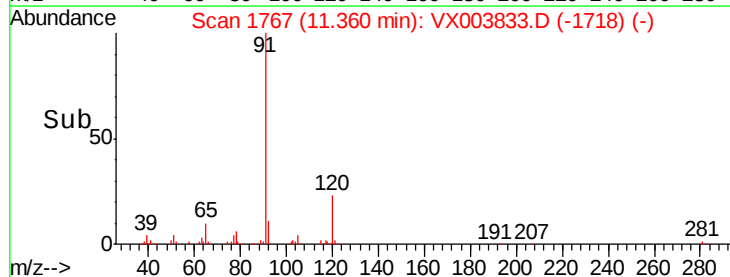
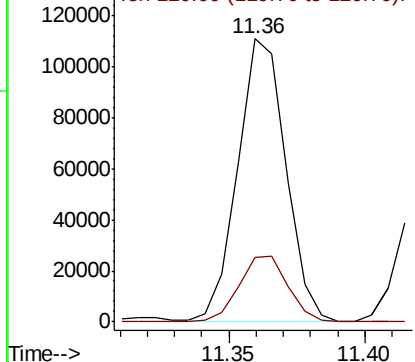
Lab File: VX003833.D

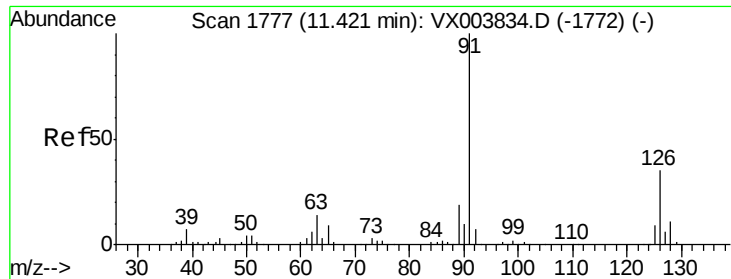
Acq: 02 Aug 2018 19:49

Tgt Ion:	91	Resp:	135021
Ion Ratio	Lower	Upper	
91	100		
120	24.0	12.1	36.3



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





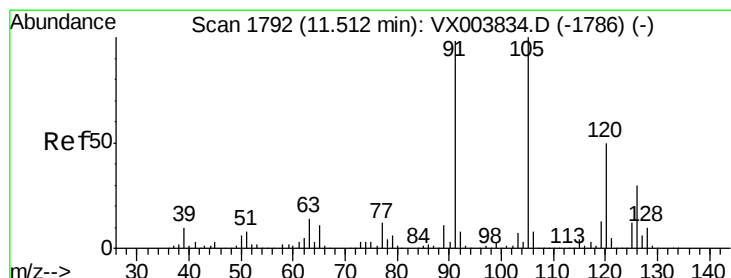
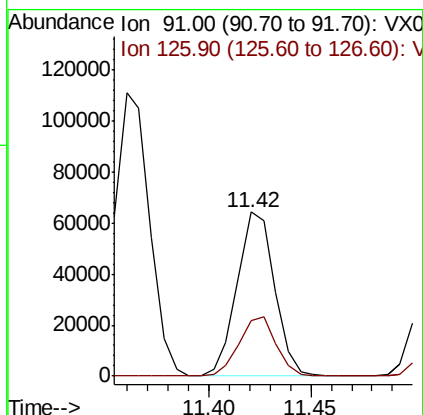
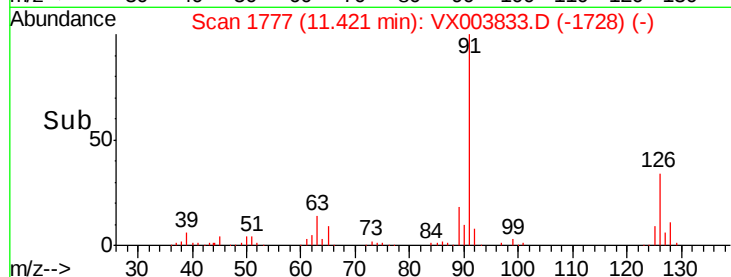
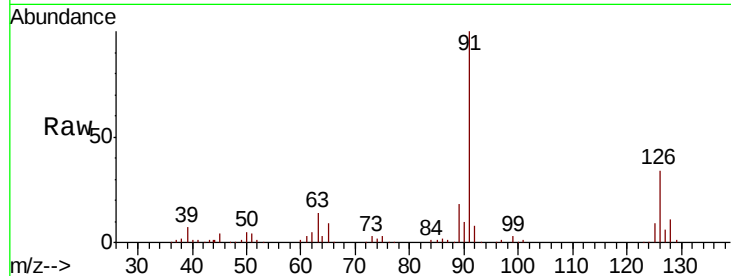
#79
 2-Chlorotoluene
 Concen: 19.27 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: VX003833.D
 Acq: 02 Aug 2018 19:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 81909
 Ion Ratio Lower Upper
 91 100
 126 35.8 17.9 53.7

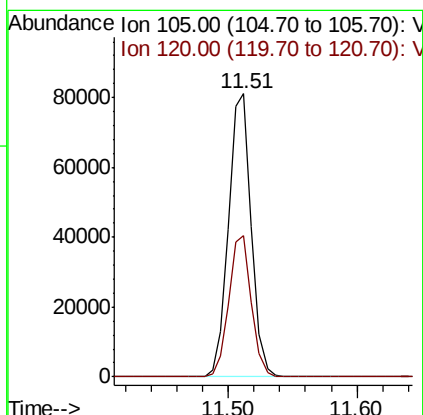
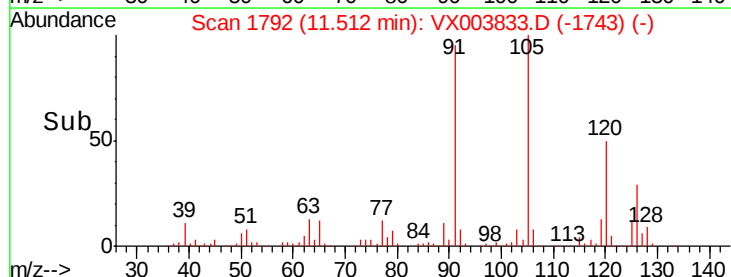
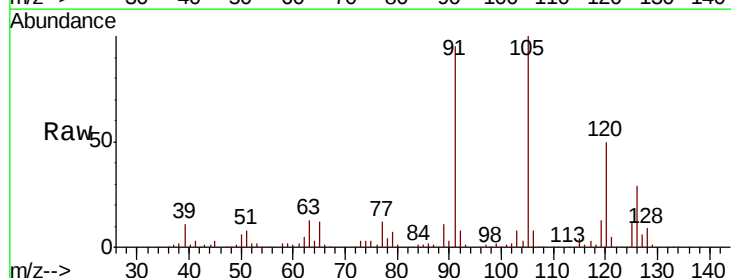
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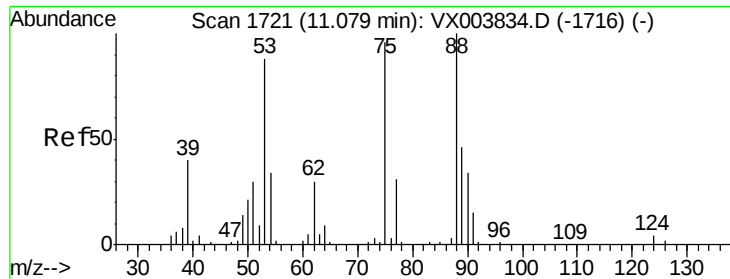
MMDadoda
 8/6/2018 1:35:40 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.73 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX003833.D
 Acq: 02 Aug 2018 19:49

Tgt Ion: 105 Resp: 100764
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.72 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Instrument :

MSVOA_X

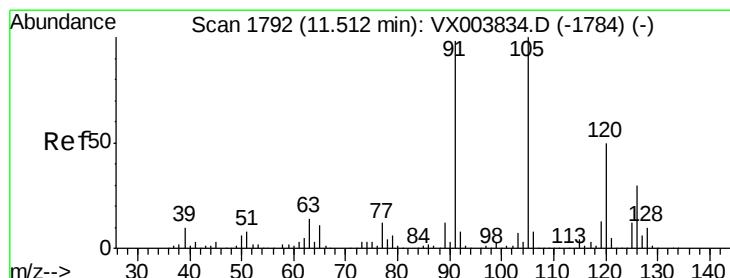
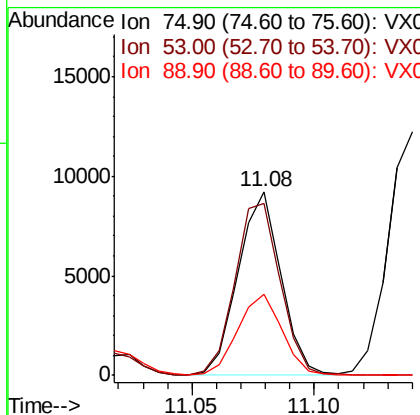
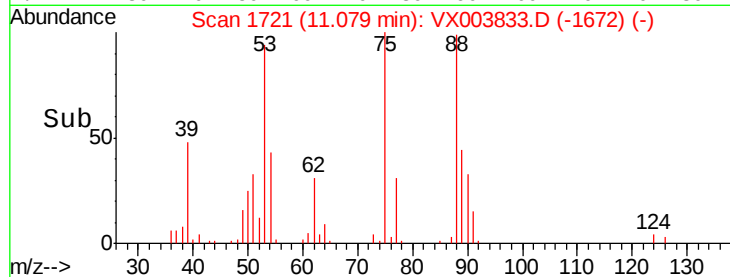
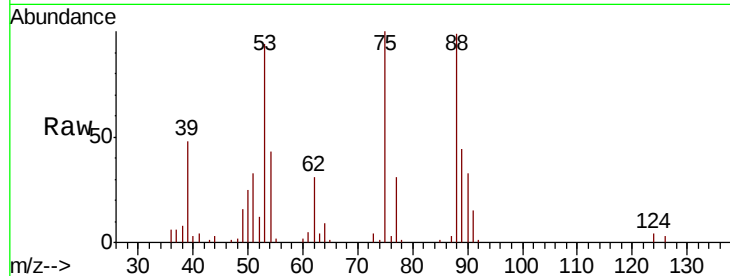
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.8	74.9	112.3
89	45.2	36.6	54.8

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#82

4-Chlorotoluene

Concen: 19.13 ug/l

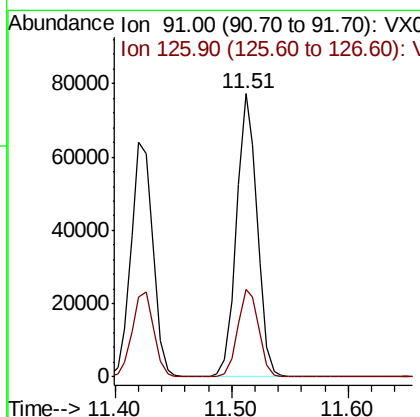
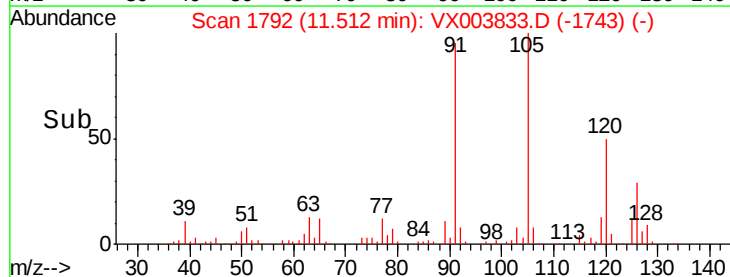
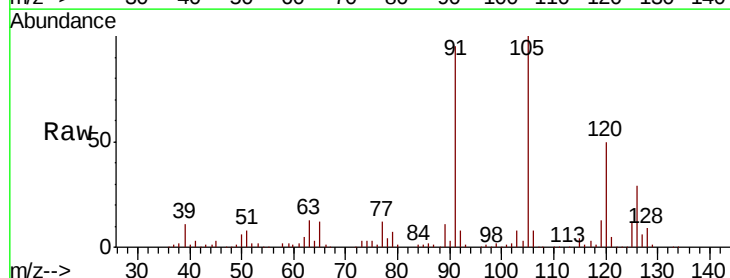
RT: 11.51 min Scan# 1792

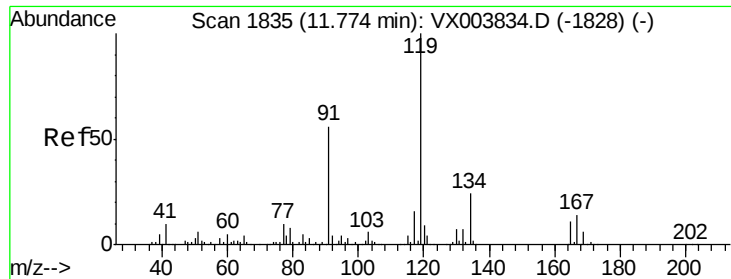
Delta R.T. -0.00 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	16.0	47.9





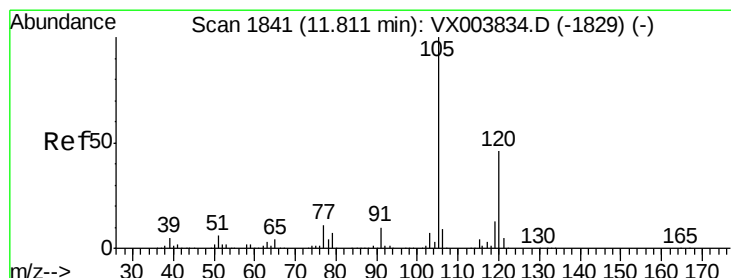
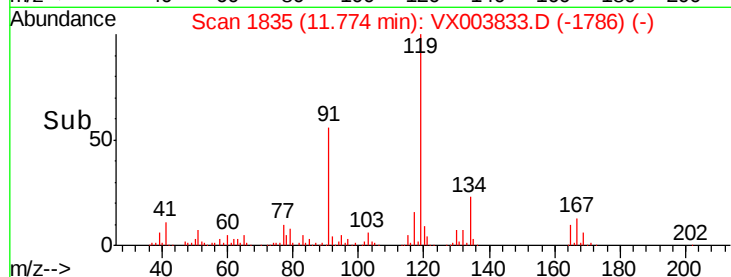
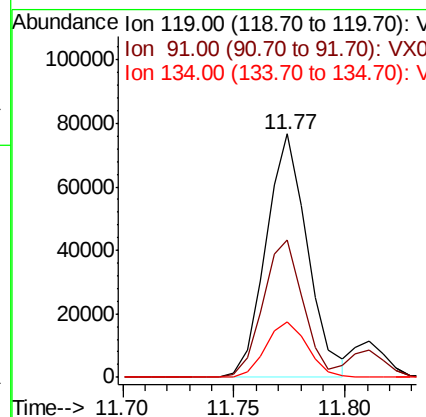
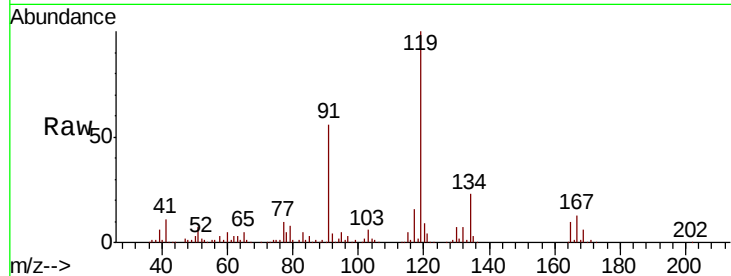
#83
 tert-Butylbenzene
 Concen: 19.84 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003833.D
 Acq: 02 Aug 2018 19:49

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	99106		
91	54.5	26.6	79.7	
134	23.0	11.6	34.7	

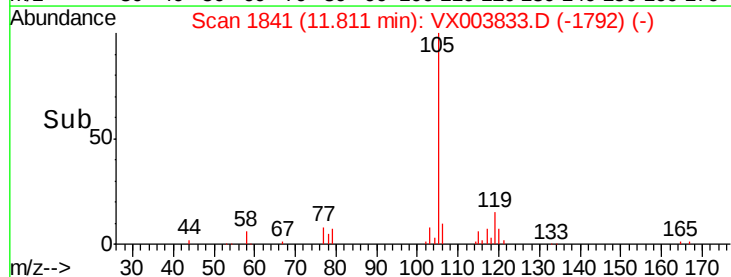
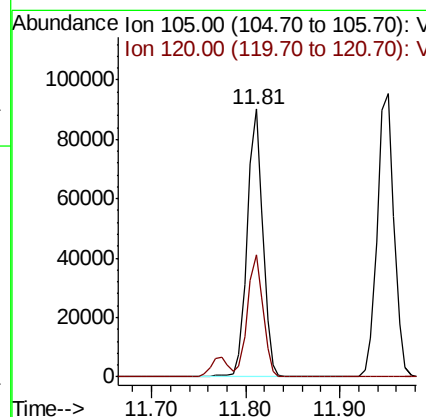
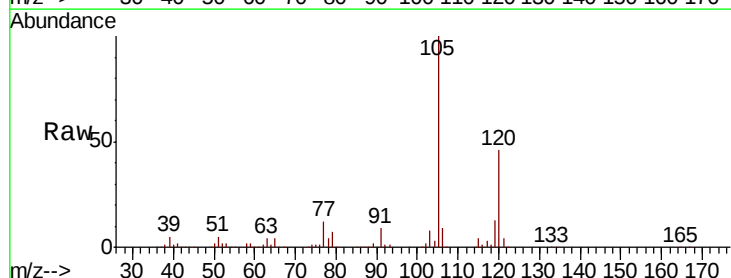
Manual Integrations
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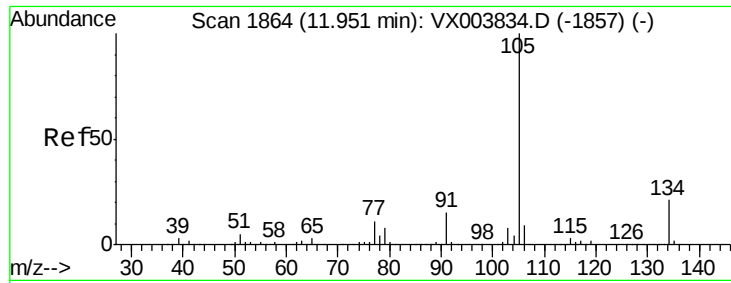
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.83 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003833.D
 Acq: 02 Aug 2018 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	104438		
120	45.6	22.9	68.5	





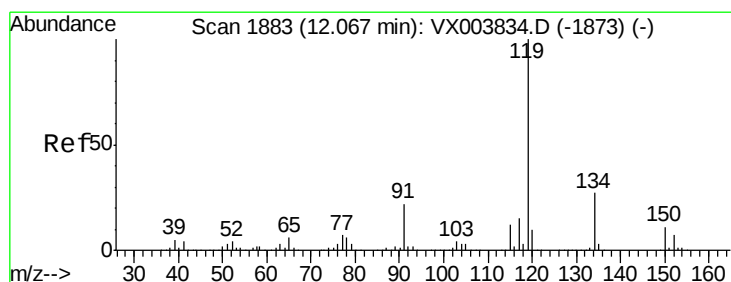
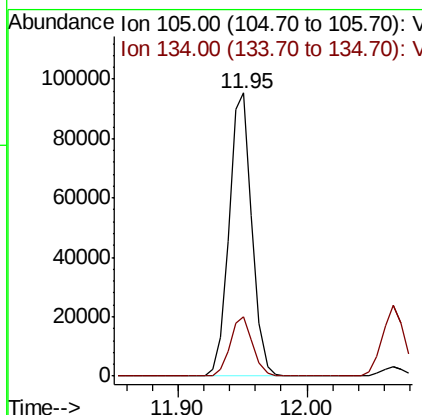
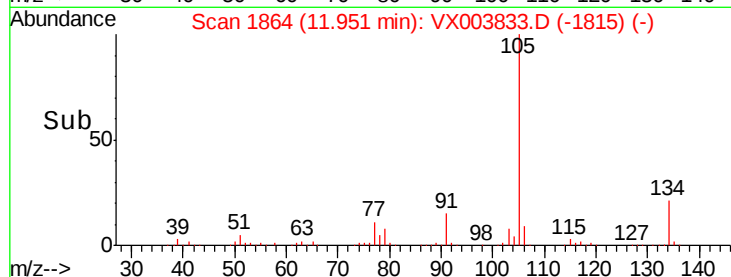
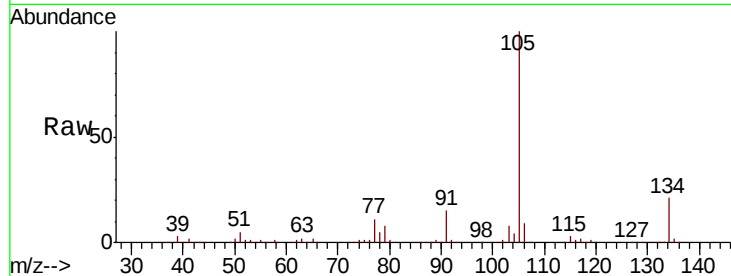
#85
 sec-Butylbenzene
 Concen: 19.99 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX003833.D
 Acq: 02 Aug 2018 19:49

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC020

Tot Ion:105 Resp: 117756
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.4 31.4

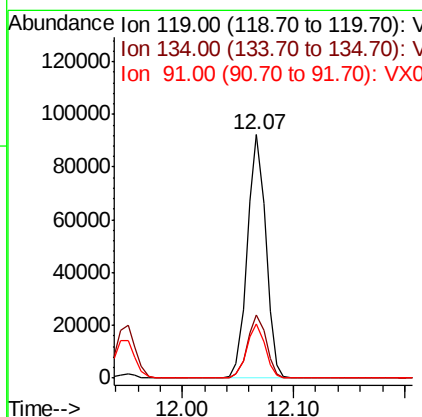
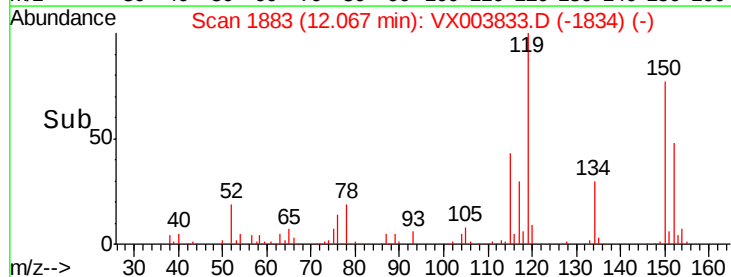
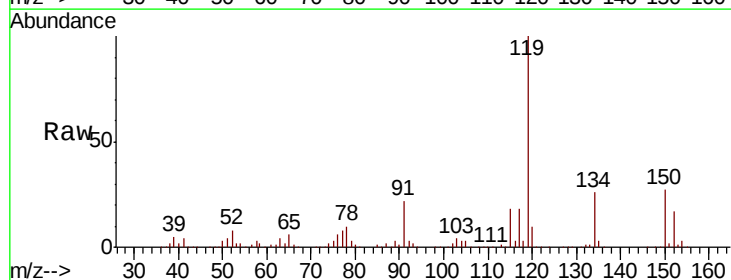
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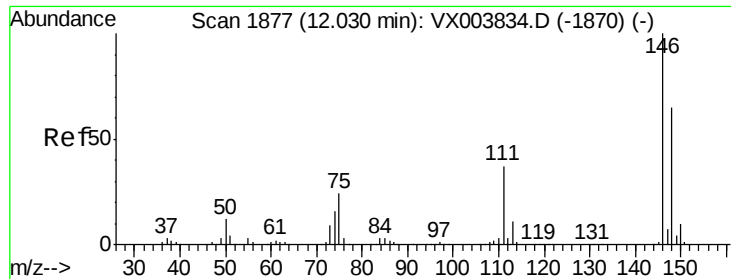
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#86
 p-Isopropyltoluene
 Concen: 19.98 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX003833.D
 Acq: 02 Aug 2018 19:49

Tgt Ion:119 Resp: 106147
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.4 40.2
 91 22.3 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 19.44 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Instrument :

MSVOA_X

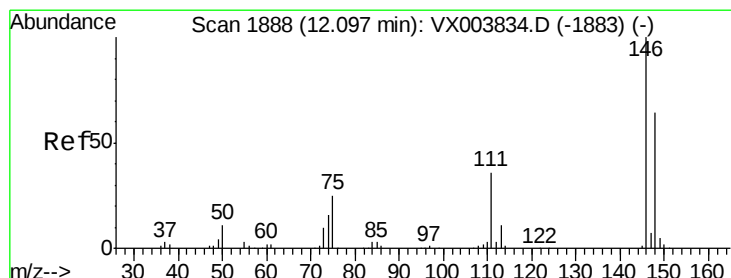
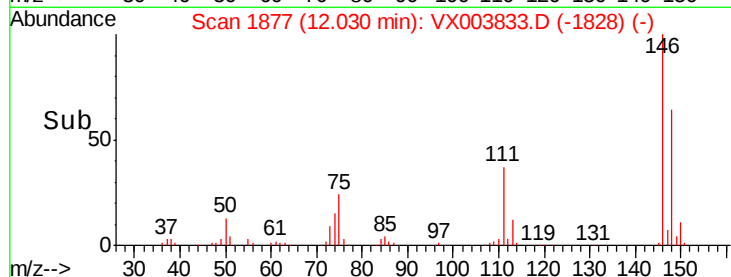
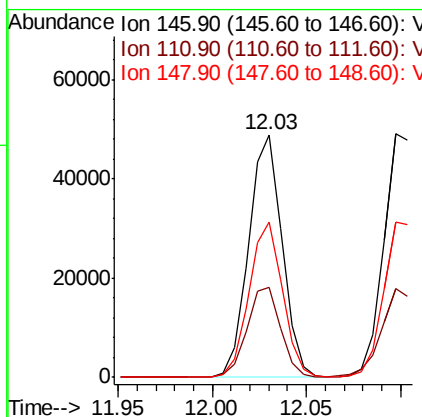
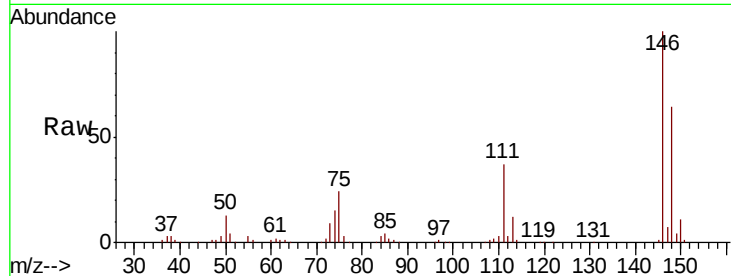
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	60121
Ion Ratio	Lower	Upper	
146	100		
111	37.5	18.8	56.4
148	64.2	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.20 ug/l

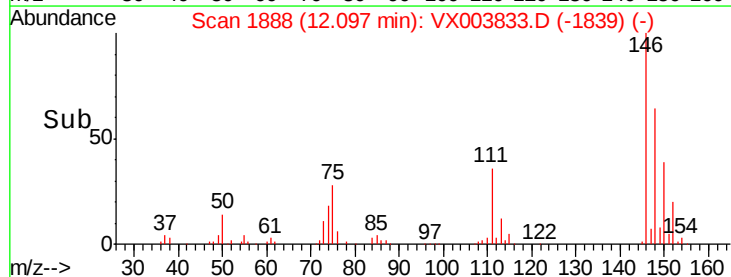
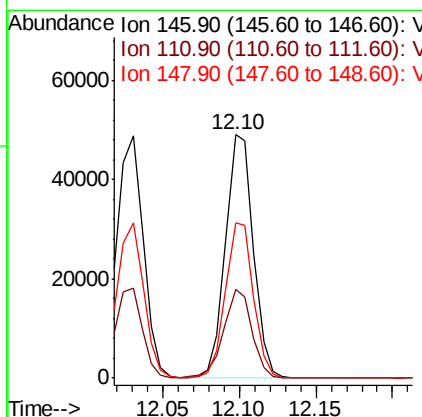
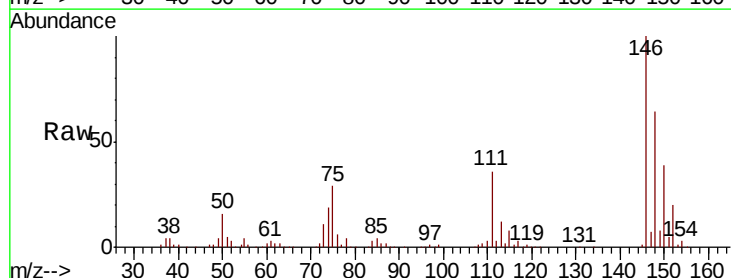
RT: 12.10 min Scan# 1888

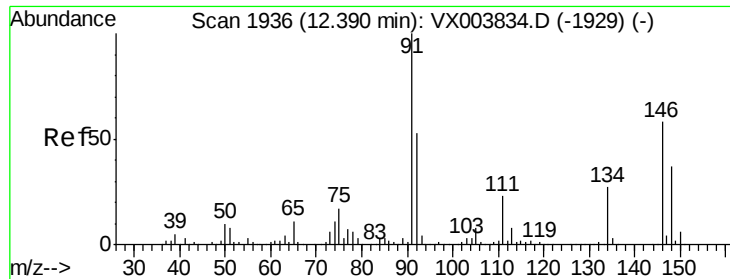
Delta R.T. -0.00 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Tgt Ion:	146	Resp:	61779
Ion Ratio	Lower	Upper	
146	100		
111	37.1	18.1	54.3
148	64.3	32.1	96.5





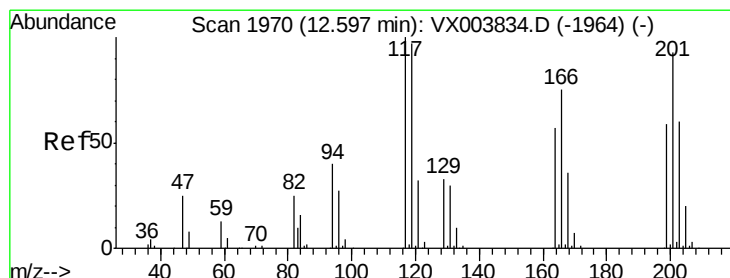
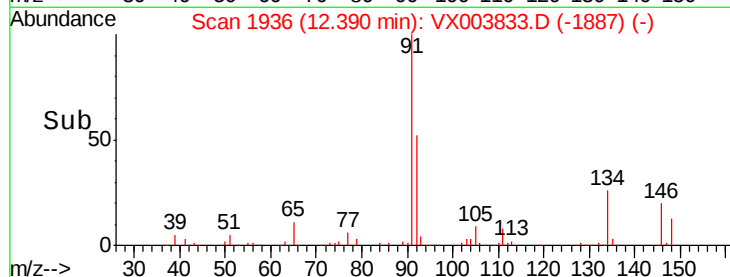
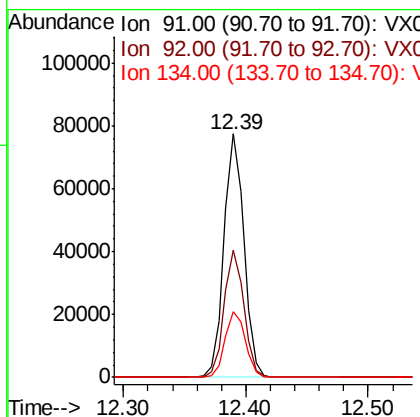
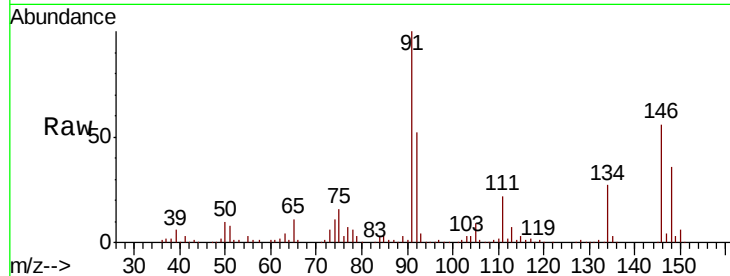
#89
n-Butylbenzene
Concen: 18.48 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003833.D
Acq: 02 Aug 2018 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.3	78.9
134	27.2	13.7	41.0

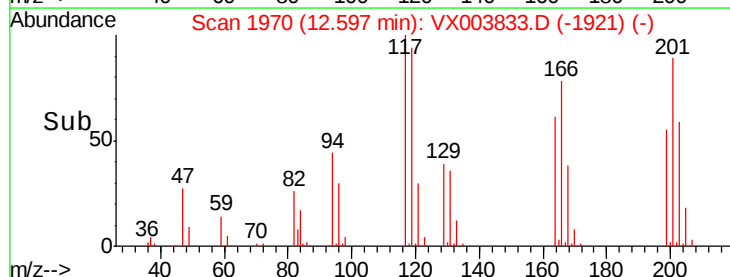
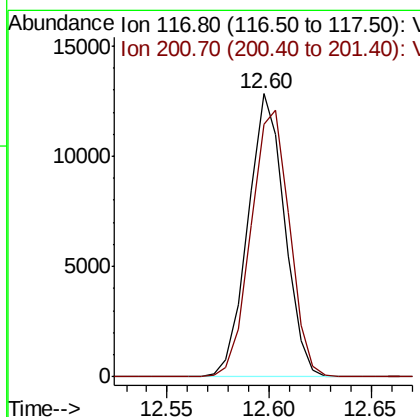
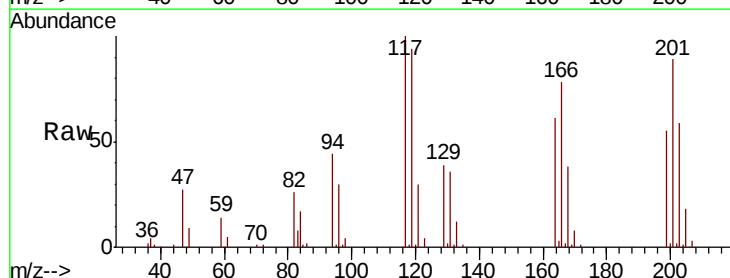
Manual Integrations
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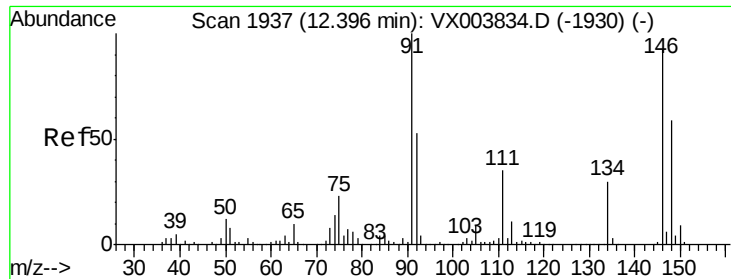
MMDadoda
8/6/2018 1:35:40 PM



#90
Hexachloroethane
Concen: 19.64 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003833.D
Acq: 02 Aug 2018 19:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.9	49.9	149.6





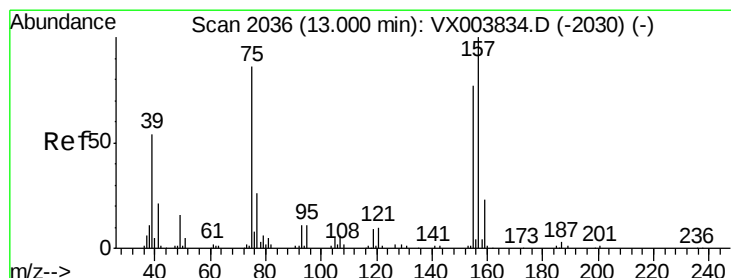
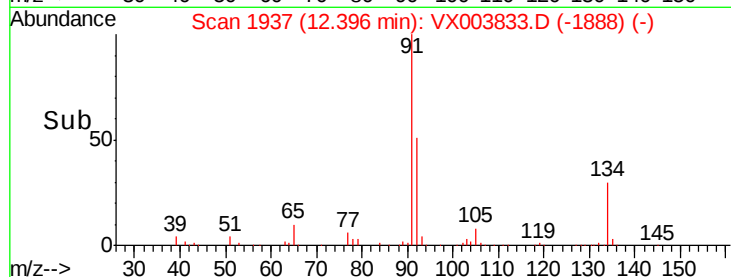
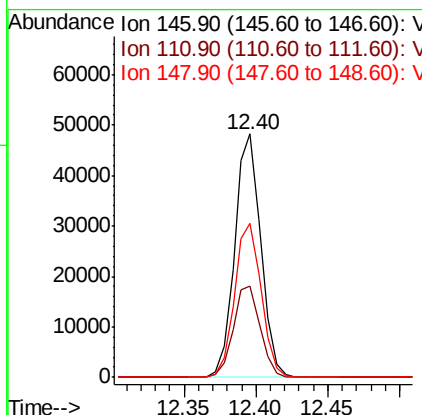
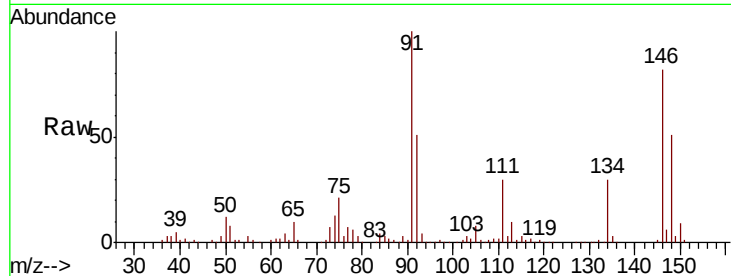
#91
 1,2-Dichlorobenzene
 Concen: 19.23 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003833.D
 Acq: 02 Aug 2018 19:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.5
148	64.3	32.0	96.2

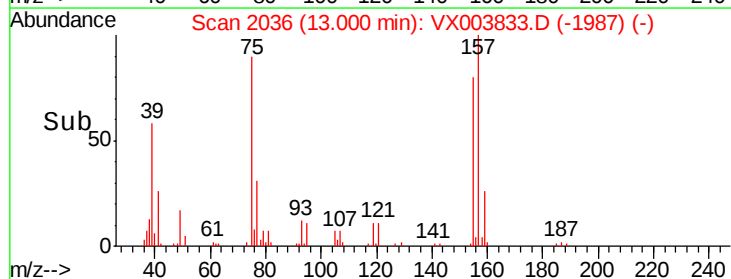
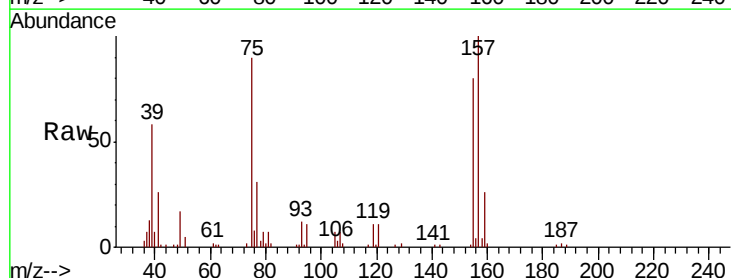
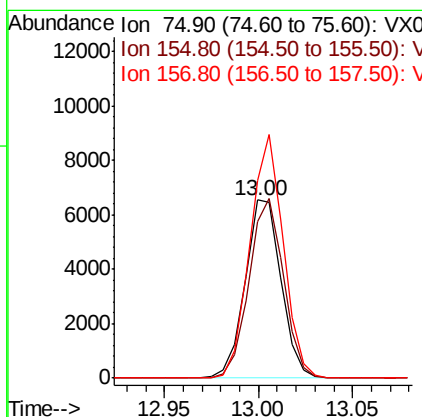
Manual Integrations
 APPROVED

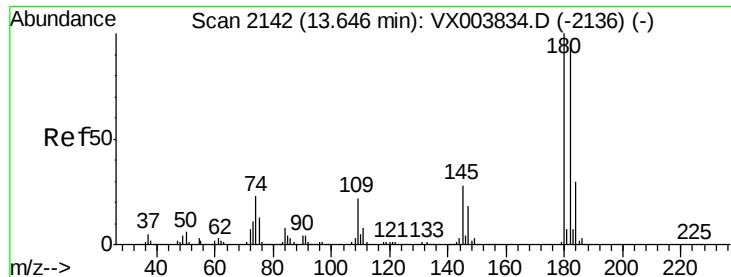
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.32 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX003833.D
 Acq: 02 Aug 2018 19:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.6	49.5	148.3
157	126.1	64.5	193.5





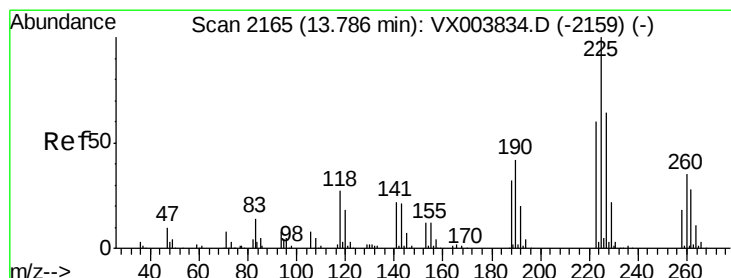
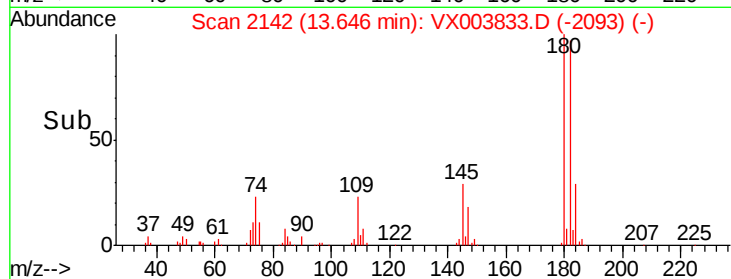
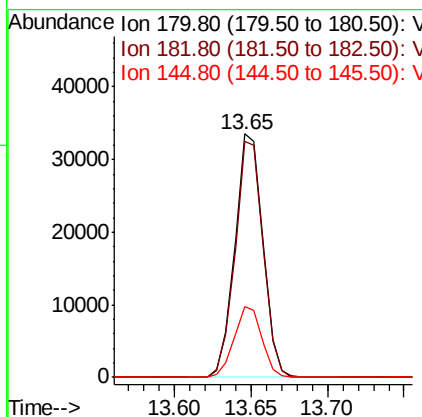
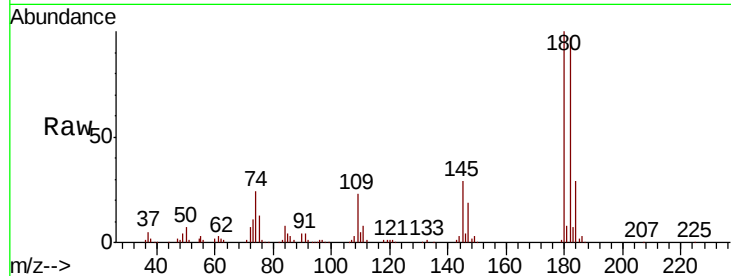
#93
 1,2,4-Trichlorobenzene
 Concen: 18.80 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX003833.D
 Acq: 02 Aug 2018 19:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.6	142.9
145	28.5	13.8	41.3

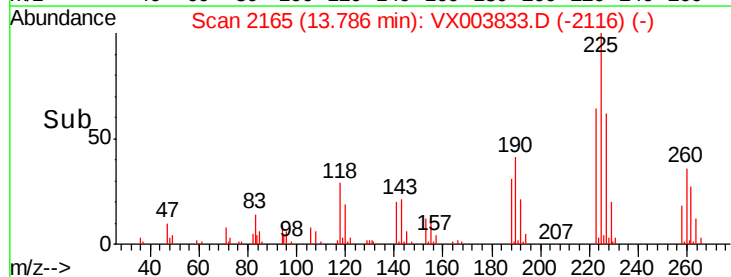
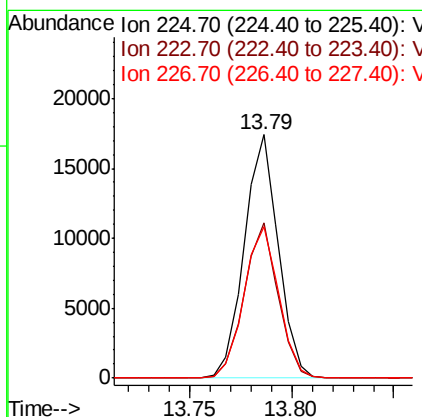
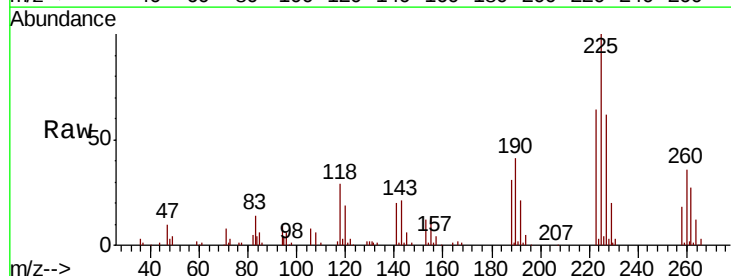
Manual Integrations
 APPROVED

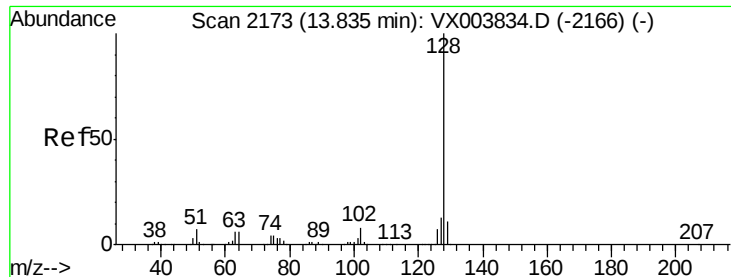
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 19.71 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003833.D
 Acq: 02 Aug 2018 19:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	30.4	91.3
227	63.8	32.2	96.6





#95

Naphthalene

Concen: 18.70 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Instrument :

MSVOA_X

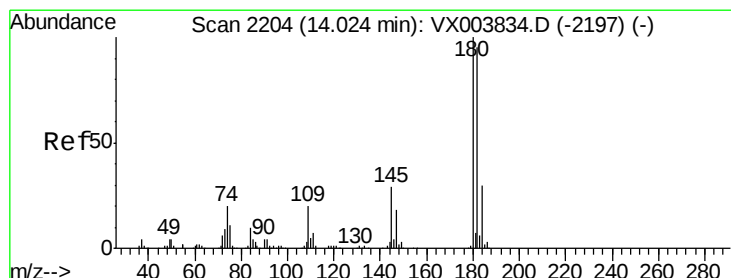
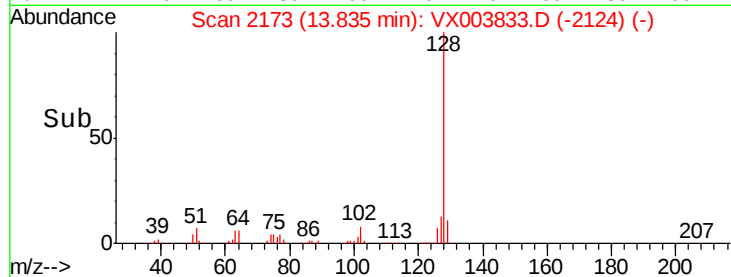
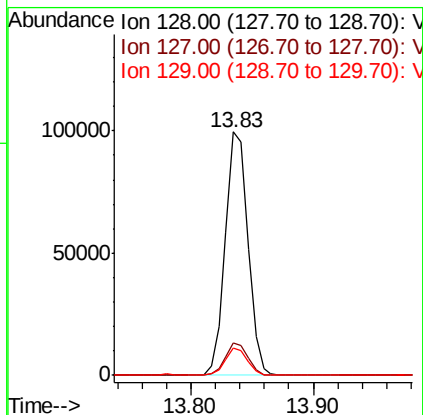
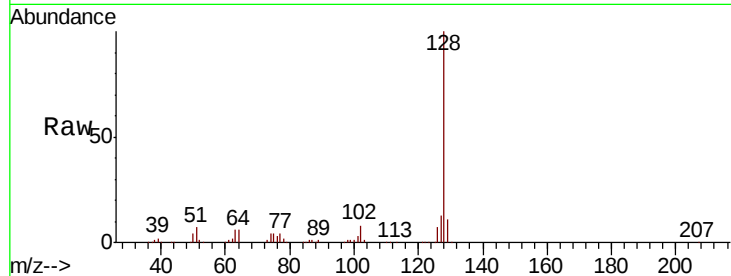
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	127827
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.9	8.7	13.1

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 19.30 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003833.D

Acq: 02 Aug 2018 19:49

Tgt Ion:	180	Resp:	44395
Ion Ratio		Lower	Upper
180	100		
182	96.8	47.8	143.4
145	29.7	14.6	44.0

