

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080618\
 Data File : VX003866.D
 Acq On : 06 Aug 2018 17:20
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 1:12:50 PM

Quant Time: Aug 07 07:18:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 06:57:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	369599	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	539307	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	465063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	251153	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	95868	20.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.22%	
35) Dibromofluoromethane	5.50	113	79816	19.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.12%	
50) Toluene-d8	8.72	98	307910	19.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.06%	
62) 4-Bromofluorobenzene	11.14	95	91972	16.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	76032	20.95	ug/l	99
3) Chloromethane	1.32	50	98224	16.53	ug/l	99
4) Vinyl Chloride	1.40	62	99704	21.16	ug/l	98
5) Bromomethane	1.64	94	67189	26.47	ug/l	100
6) Chloroethane	1.72	64	68333	25.33	ug/l	95
7) Trichlorofluoromethane	1.93	101	130052	21.53	ug/l	99
8) Diethyl Ether	2.19	74	57723	21.93	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	80000	20.91	ug/l	100
10) Methyl Iodide	2.51	142	97630	19.10	ug/l	100
11) Tert butyl alcohol	3.07	59	115671	109.83	ug/l	99
12) 1,1-Dichloroethene	2.37	96	75457	20.38	ug/l	95
13) Acrolein	2.29	56	61951	77.22	ug/l	99
14) Allyl chloride	2.73	41	148422	21.52	ug/l	99
15) Acrylonitrile	3.15	53	270467	107.79	ug/l	100
16) Acetone	2.45	43	280704	109.12	ug/l	100
17) Carbon Disulfide	2.57	76	213210	20.38	ug/l	98
18) Methyl Acetate	2.78	43	122870	20.85	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	273309	21.35	ug/l	100
20) Methylene Chloride	2.86	84	92927	20.69	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	84091	20.61	ug/l	97
22) Diisopropyl ether	3.87	45	265561	20.22	ug/l	99
23) Vinyl Acetate	3.82	43	1122638	103.15	ug/l	100
24) 1,1-Dichloroethane	3.70	63	160095	21.51	ug/l	100
25) 2-Butanone	4.71	43	424639	99.21	ug/l	100
26) 2,2-Dichloropropane	4.59	77	115440	22.56	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	92736	20.12	ug/l	98
28) Bromochloromethane	5.02	49	73431	21.29	ug/l	99
29) Tetrahydrofuran	5.17	42	217725	99.81	ug/l	100
30) Chloroform	5.21	83	153286	20.06	ug/l	98
31) Cyclohexane	5.57	56	133144	20.64	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	127896	20.06	ug/l	98
36) 1,1-Dichloropropene	5.80	75	113588	19.45	ug/l	100
37) Ethyl Acetate	4.87	43	128406	19.31	ug/l	99
38) Carbon Tetrachloride	5.78	117	111450	19.20	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	133089	19.92	ug/l	98
40) Benzene	6.15	78	353026	19.73	ug/l	99
41) Methacrylonitrile	5.06	41	70330	19.59	ug/l	99
42) 1,2-Dichloroethane	6.20	62	119055	19.89	ug/l	100
43) Isopropyl Acetate	6.47	43	191476	19.19	ug/l	99
44) Trichloroethene	7.21	130	93892	19.44	ug/l	94
45) 1,2-Dichloropropane	7.52	63	90397	19.52	ug/l	99
46) Dibromomethane	7.67	93	57931	19.48	ug/l	100
47) Bromodichloromethane	7.90	83	110078	19.59	ug/l	98
48) Methyl methacrylate	7.78	41	98257	19.49	ug/l	100
49) 1,4-Dioxane	7.76	88	47874	401.28	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	824056	99.14	ug/l	100
52) Toluene	8.79	92	224656	20.31	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	123194	20.03	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	136445	20.33	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	90501	19.49	ug/l	100
56) Ethyl methacrylate	9.18	69	129772	19.94	ug/l	99
57) 1,3-Dichloropropane	9.37	76	152864	20.27	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	339995	102.28	ug/l	100
59) 2-Hexanone	9.50	43	607371	95.82	ug/l	100
60) Dibromochloromethane	9.59	129	81937	18.15	ug/l	99
61) 1,2-Dibromoethane	9.68	107	87845	18.57	ug/l	98
64) Tetrachloroethene	9.34	164	88813	20.63	ug/l	96
65) Chlorobenzene	10.14	112	230649	19.89	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	82297	20.23	ug/l	97
67) Ethyl Benzene	10.26	91	394972	21.18	ug/l	97
68) m/p-Xylenes	10.36	106	293970	40.43	ug/l	96
69) o-Xylene	10.70	106	147581	21.13	ug/l	96
70) Styrene	10.71	104	244465	21.27	ug/l	97
71) Bromoform	10.86	173	57371	17.35	ug/l #	99
73) Isopropylbenzene	11.02	105	356870	21.27	ug/l	97
74) N-amyl acetate	6.47	43	191476	23.28	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	120838	20.56	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	108887m	21.38	ug/l	
77) Bromobenzene	11.26	156	93431	20.39	ug/l	100
78) n-propylbenzene	11.36	91	409370	21.91	ug/l	99
79) 2-Chlorotoluene	11.42	91	242728	21.27	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	294582	21.50	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	34460	21.11	ug/l	99
82) 4-Chlorotoluene	11.51	91	285907	21.64	ug/l	100
83) tert-Butylbenzene	11.77	119	294755	21.22	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	303363	21.47	ug/l	98
85) sec-Butylbenzene	11.94	105	350030	21.55	ug/l	100
86) p-Isopropyltoluene	12.07	119	315301	21.56	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	172797	20.14	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	177871	20.09	ug/l	99
89) n-Butylbenzene	12.39	91	263073	20.85	ug/l	99
90) Hexachloroethane	12.60	117	48743	20.55	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	174832	20.01	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	25104	19.37	ug/l	98

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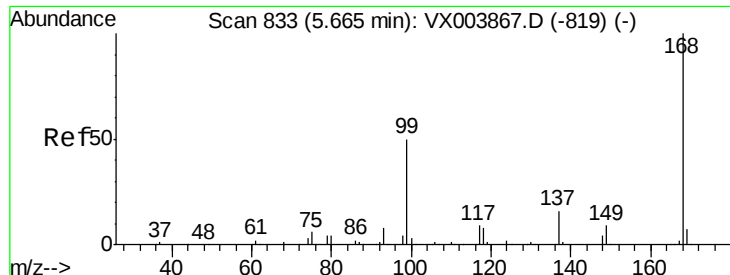
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	120898	19.52	ug/l	100
94) Hexachlorobutadiene	13.79	225	55010	18.37	ug/l	100
95) Naphthalene	13.83	128	368856	20.53	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	123847	19.32	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 369599

Ion Ratio Lower Upper

168 100

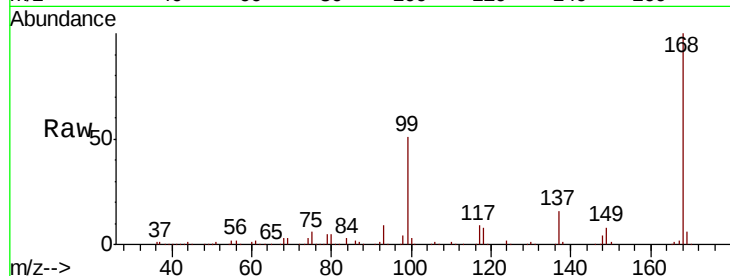
99 50.4 40.1 60.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

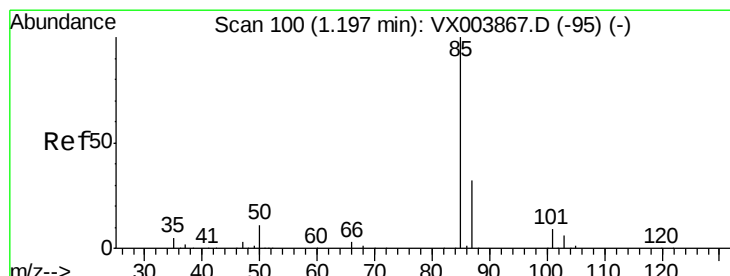
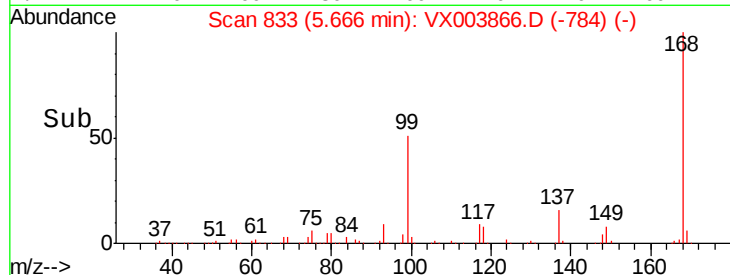
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.95 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003866.D

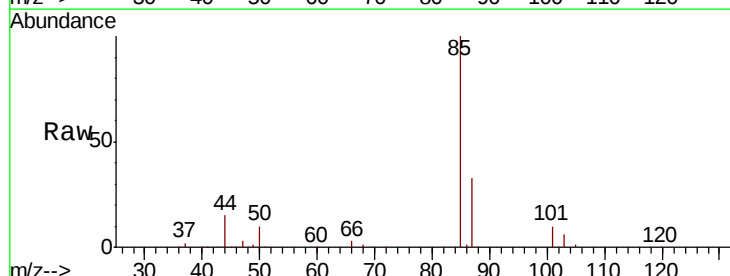
Acq: 06 Aug 2018 17:20

Tgt Ion: 85 Resp: 76032

Ion Ratio Lower Upper

85 100

87 32.8 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

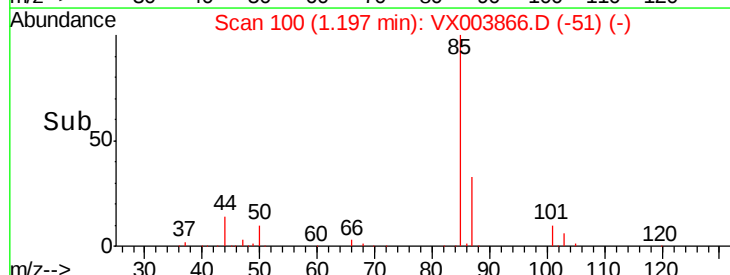
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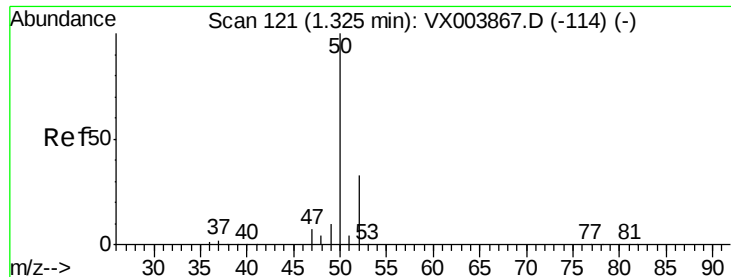
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20000

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Time-->





#3

Chloromethane

Concen: 16.53 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 98224

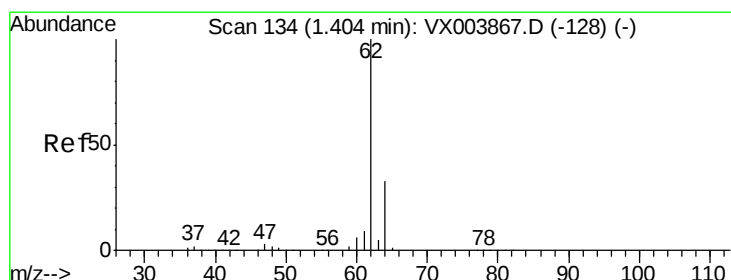
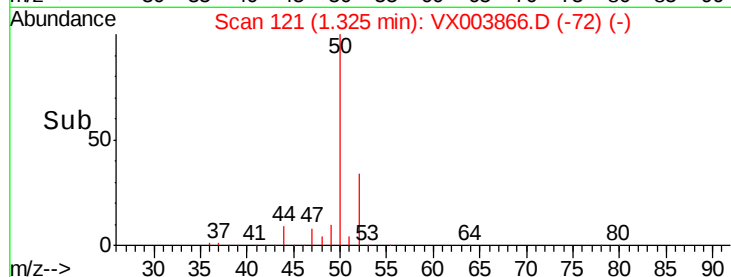
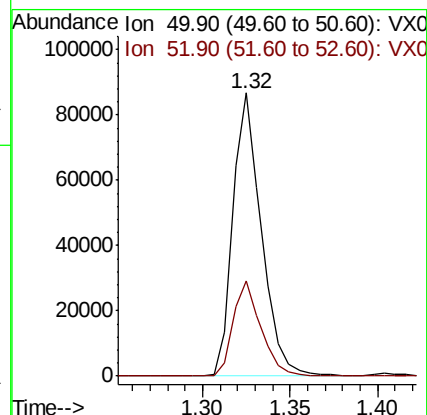
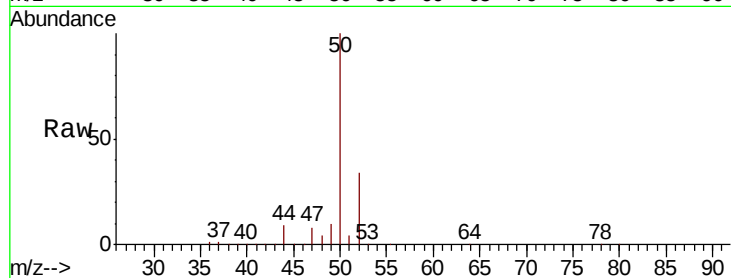
Ion Ratio Lower Upper

50 100

52 33.5 26.6 39.8

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#4

Vinyl Chloride

Concen: 21.16 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003866.D

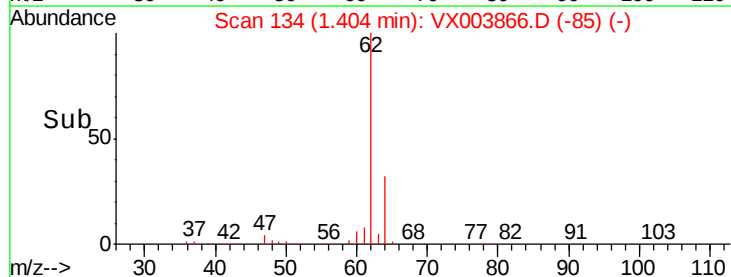
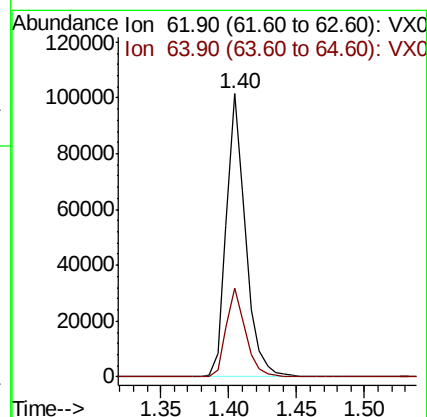
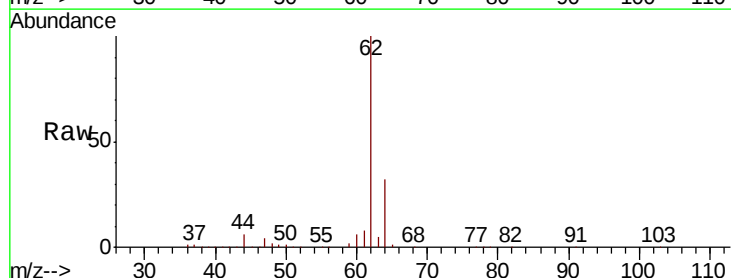
Acq: 06 Aug 2018 17:20

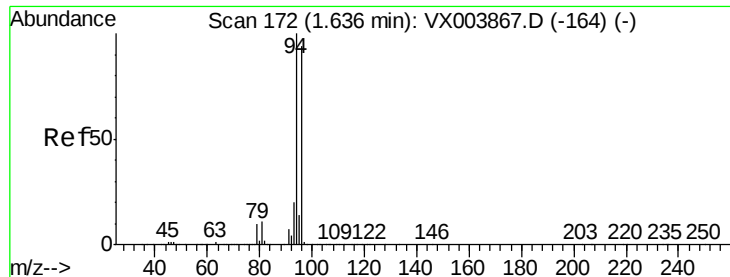
Tgt Ion: 62 Resp: 99704

Ion Ratio Lower Upper

62 100

64 31.5 26.0 39.0





#5

Bromomethane

Concen: 26.47 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 67189

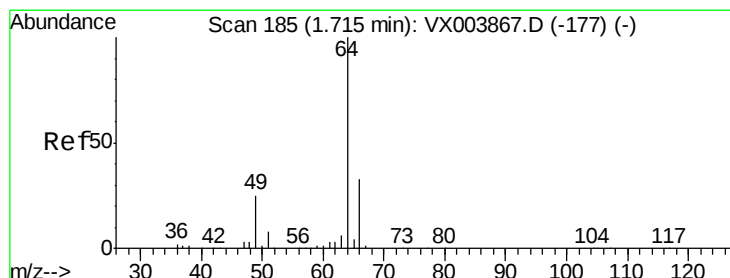
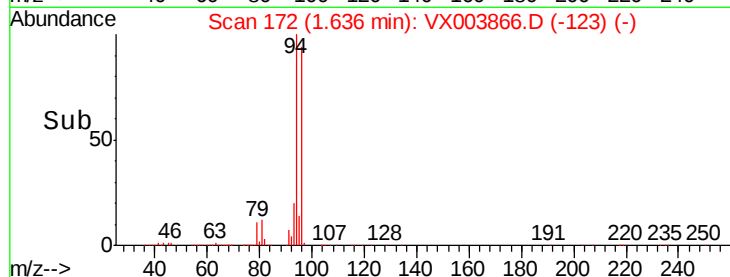
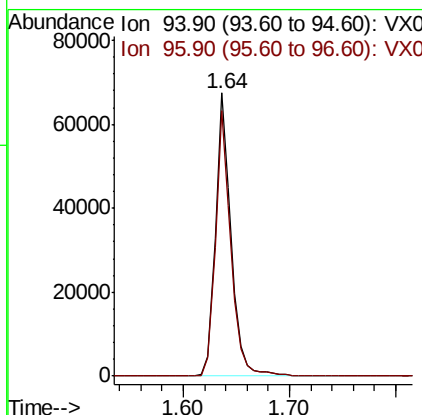
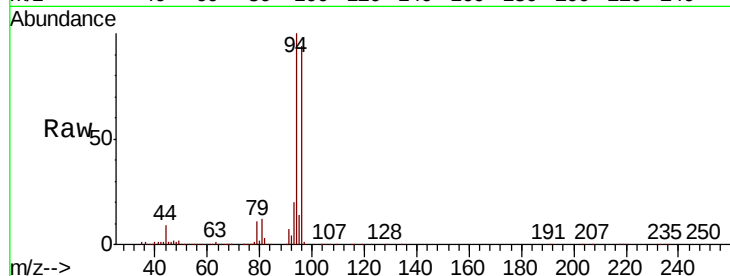
Ion Ratio Lower Upper

94 100

96 93.9 75.2 112.8

Manual Integrations
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#6

Chloroethane

Concen: 25.33 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003866.D

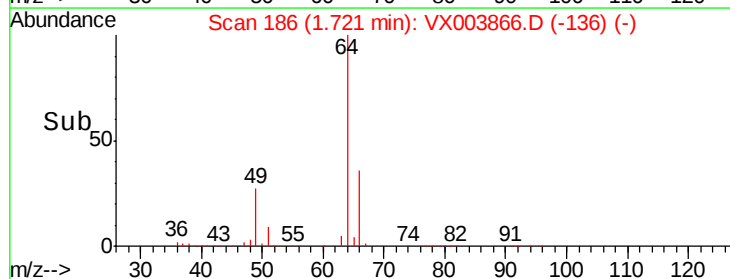
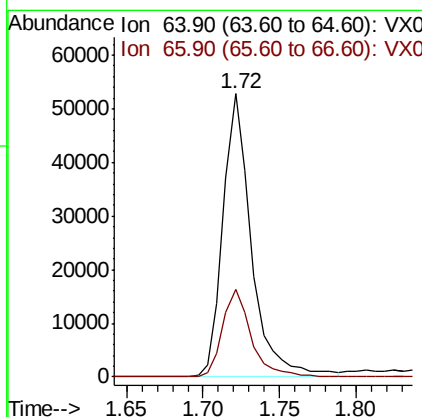
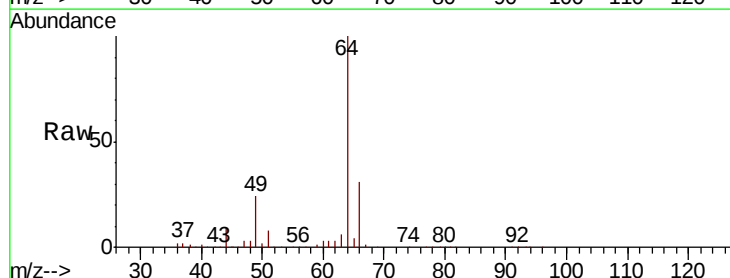
Acq: 06 Aug 2018 17:20

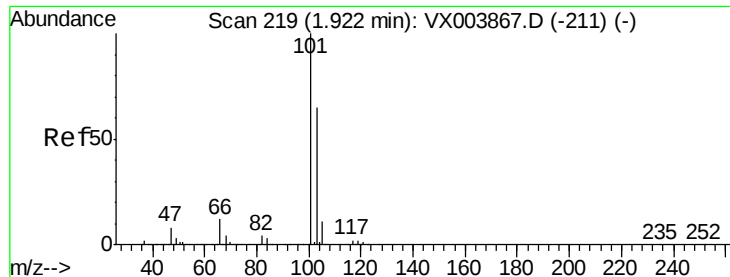
Tgt Ion: 64 Resp: 68333

Ion Ratio Lower Upper

64 100

66 30.5 26.5 39.7





#7

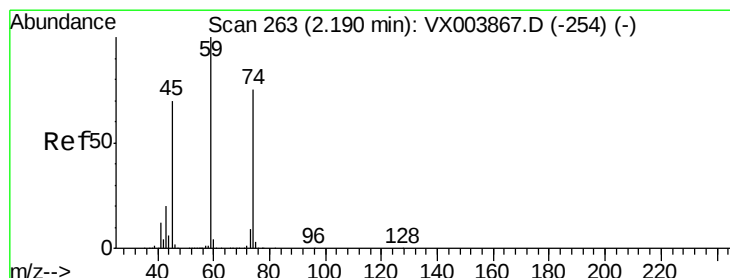
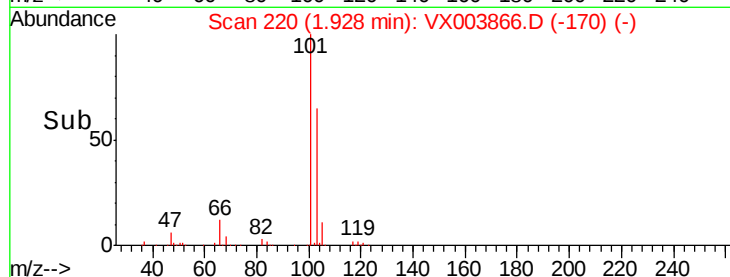
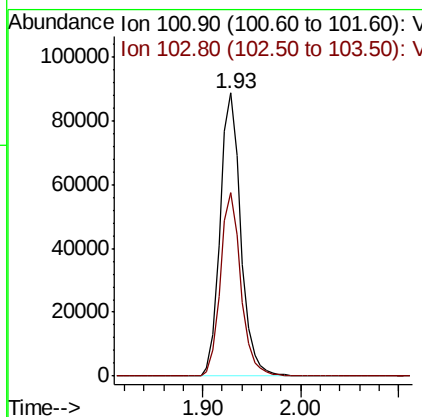
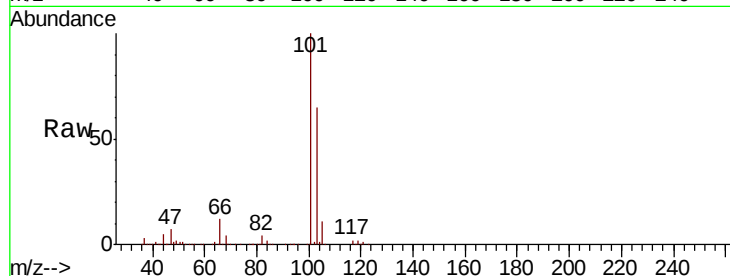
Trichlorofluoromethane
 Concen: 21.53 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX003866.D
 Acq: 06 Aug 2018 17:20

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.3	78.5

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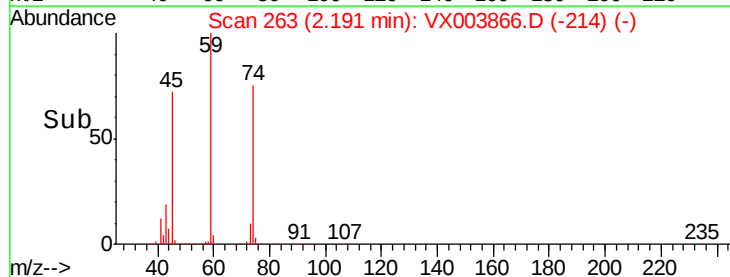
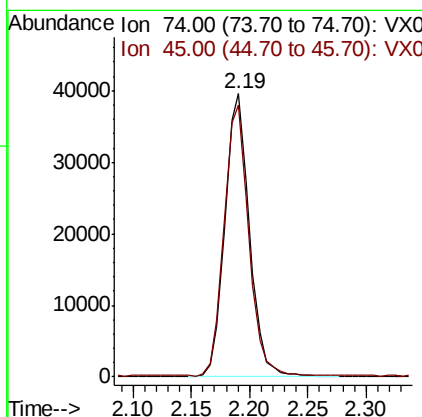
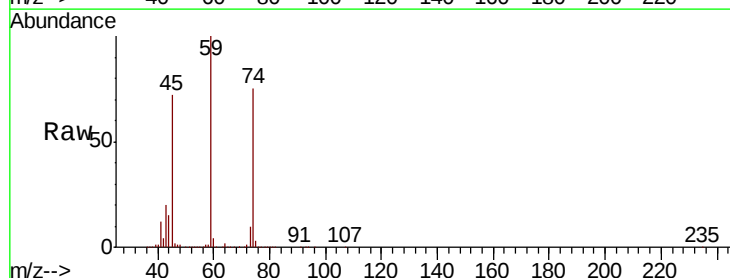
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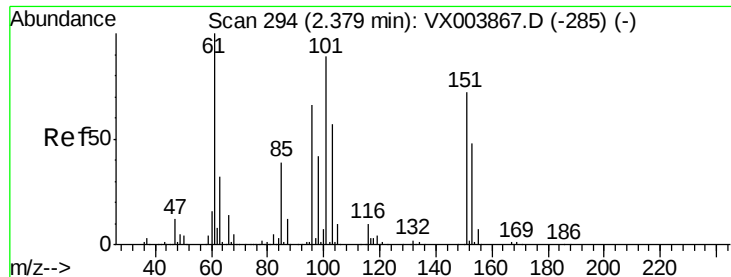


#8

Diethyl Ether
 Concen: 21.93 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003866.D
 Acq: 06 Aug 2018 17:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.1	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.91 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Instrument :

MSVOA_X

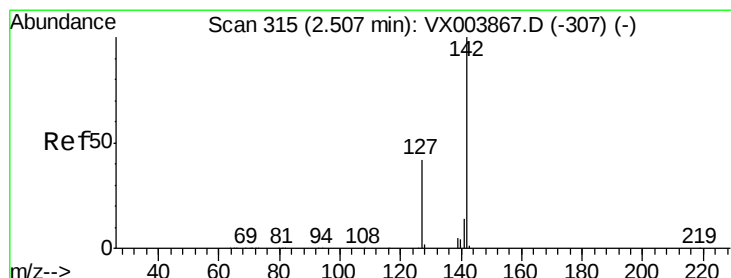
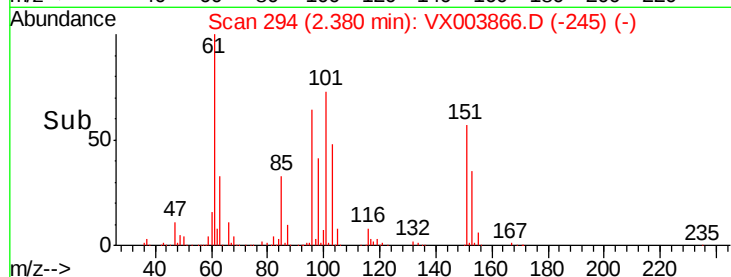
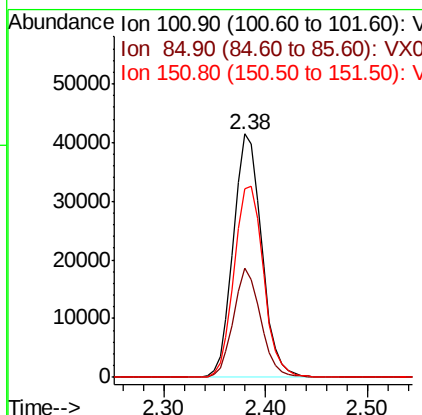
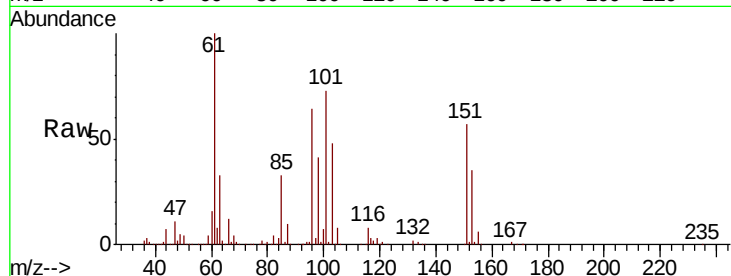
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	80000
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.2	51.4
151	81.2	65.0	97.4

Manual Integrations
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#10

Methyl Iodide

Concen: 19.10 ug/l

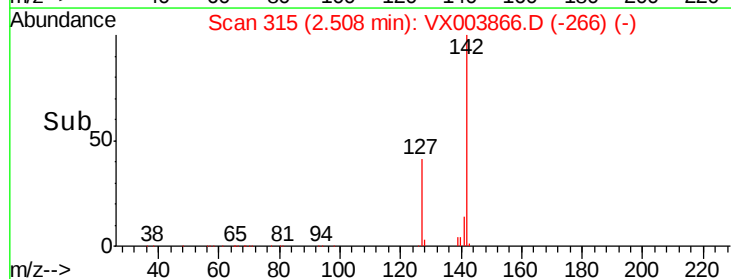
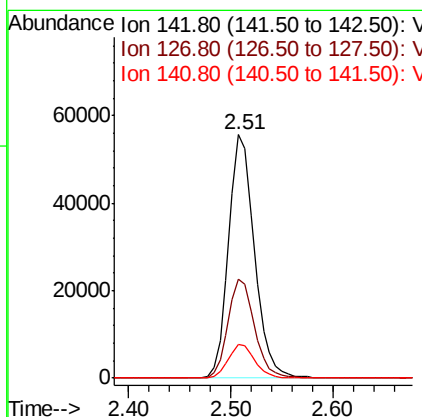
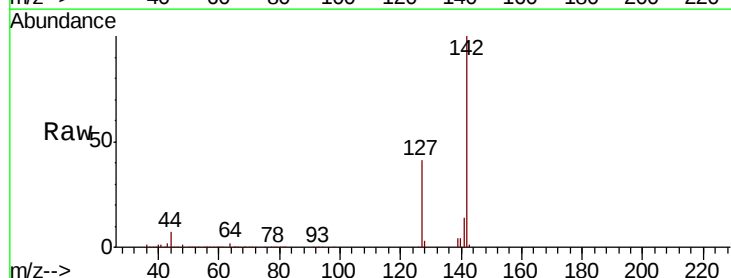
RT: 2.51 min Scan# 315

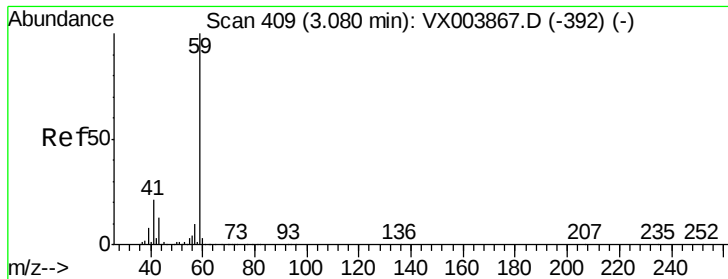
Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Tgt Ion:	142	Resp:	97630
Ion Ratio	Lower	Upper	
142	100		
127	41.5	33.1	49.7
141	14.2	11.1	16.7





#11

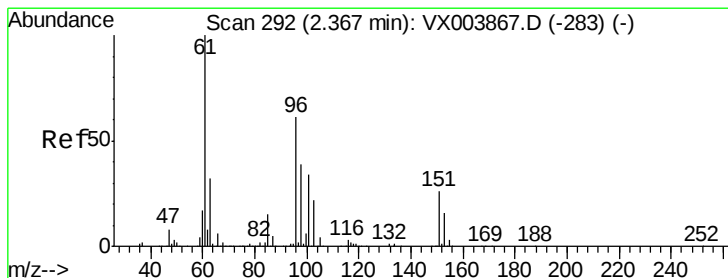
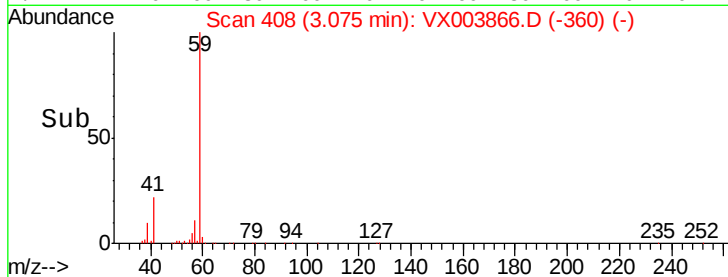
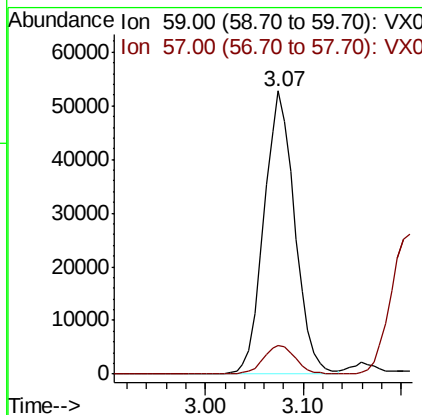
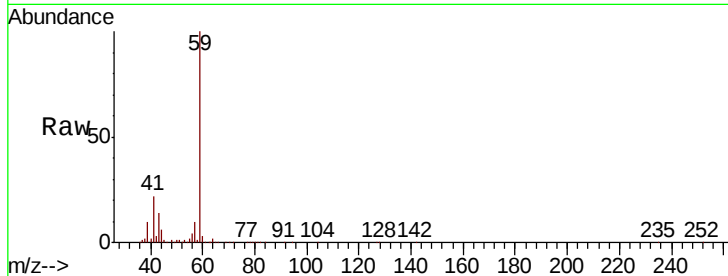
Tert butyl alcohol
 Concen: 109.83 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX003866.D
 Acq: 06 Aug 2018 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.1	12.1

Manual Integrations
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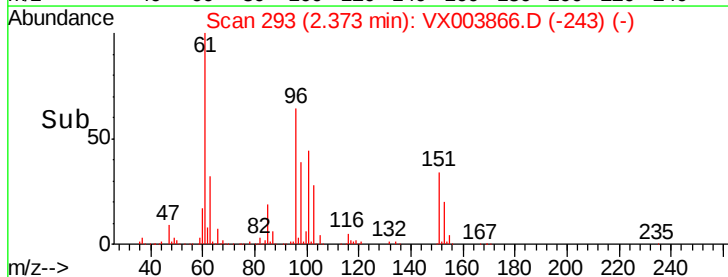
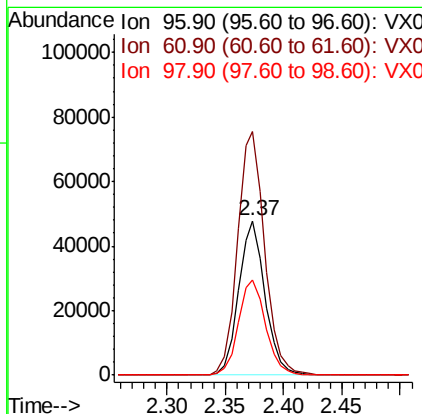
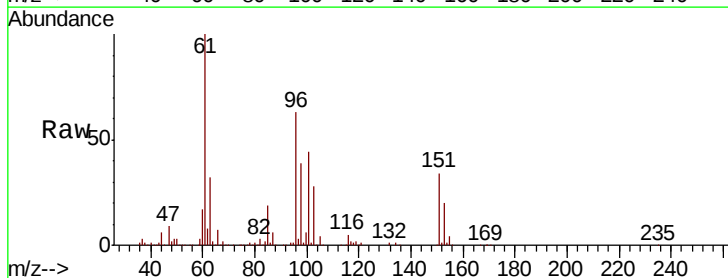
MMDadoda
 8/7/2018 1:12:50 PM

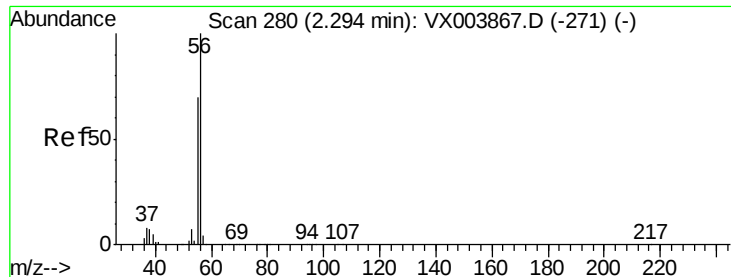


#12

1,1-Dichloroethene
 Concen: 20.38 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VX003866.D
 Acq: 06 Aug 2018 17:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.5	131.3	196.9
98	61.3	51.8	77.6





#13

Acrolein

Concen: 77.22 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 61951

Ion Ratio Lower Upper

56 100

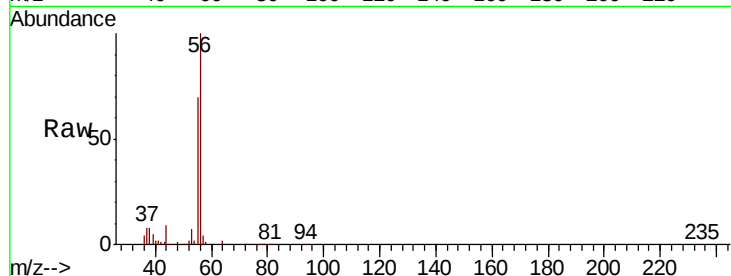
55 71.3 56.1 84.1

Manual Integrations

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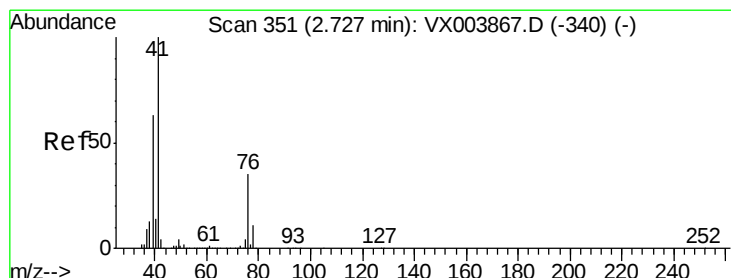
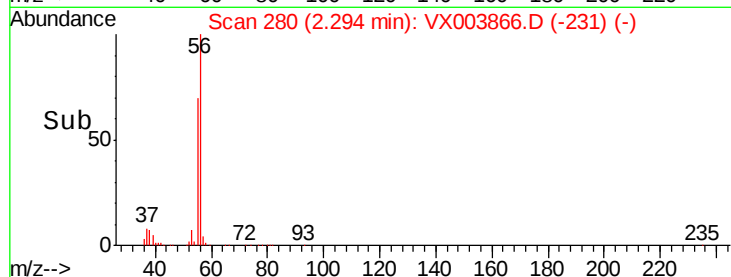
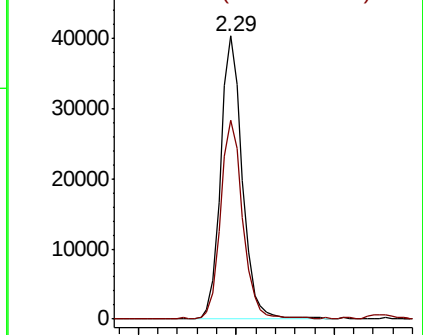
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 21.52 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

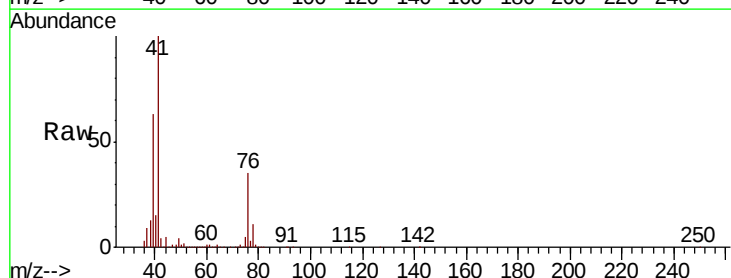
Tgt Ion: 41 Resp: 148422

Ion Ratio Lower Upper

41 100

39 60.4 47.4 71.0

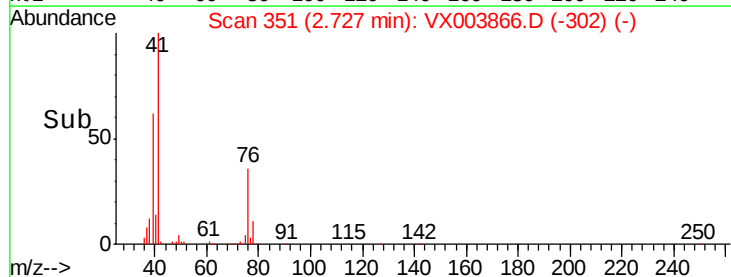
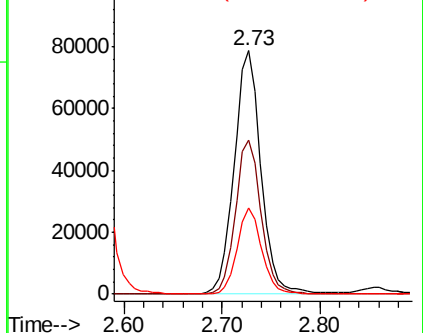
76 32.7 26.0 39.0

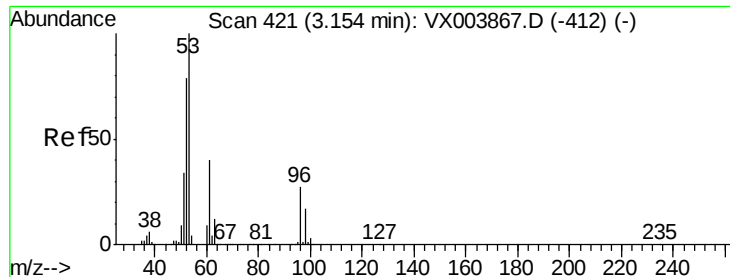


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 107.79 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Instrument :

MSVOA_X

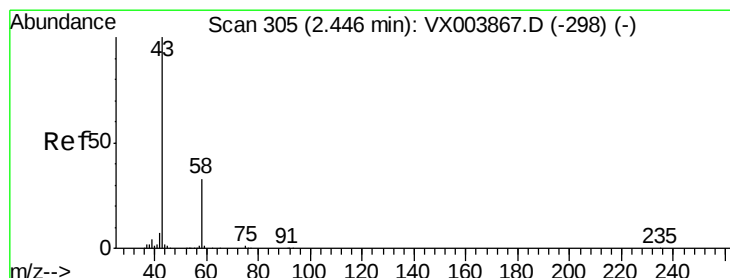
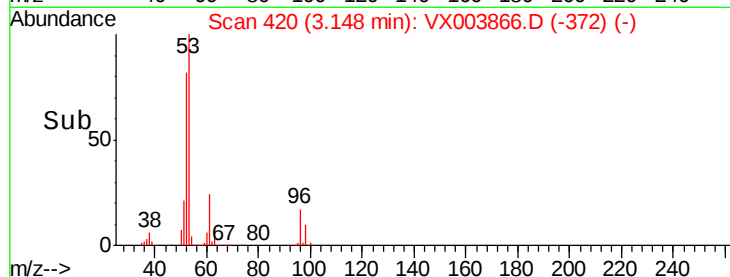
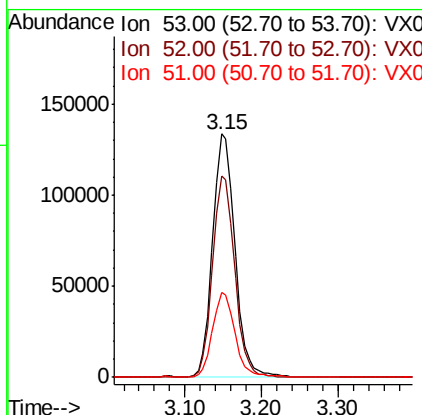
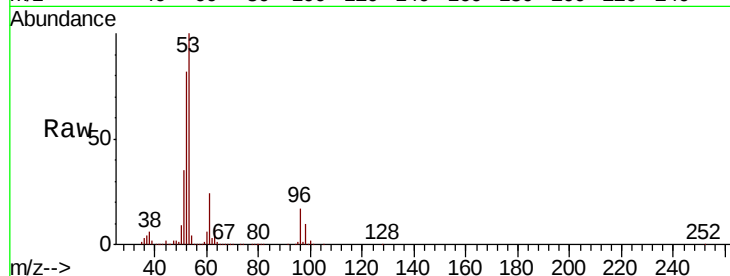
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	270467
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.3	97.9
51	34.8	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 109.12 ug/l

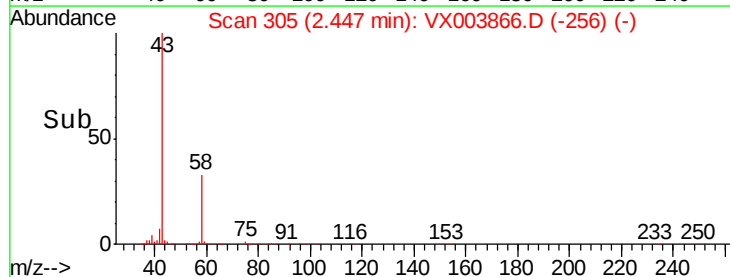
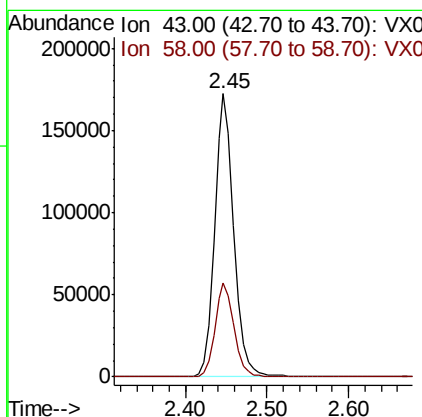
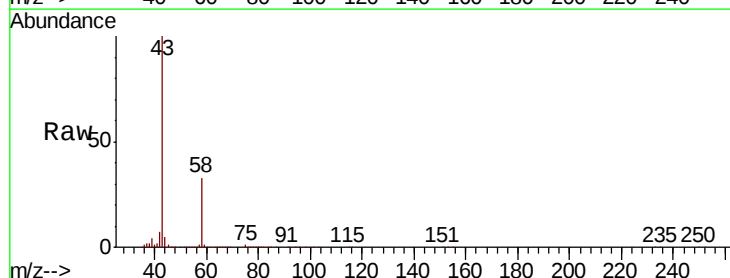
RT: 2.45 min Scan# 305

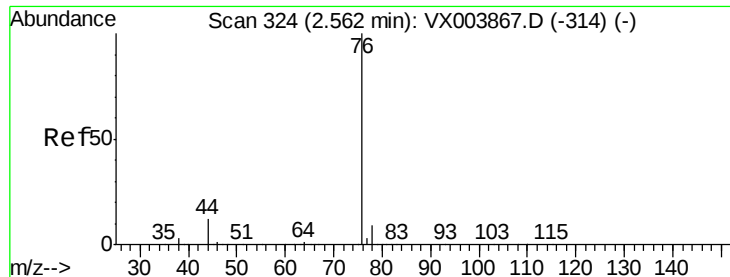
Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Tgt Ion:	43	Resp:	280704
Ion	Ratio	Lower	Upper
43	100		
58	33.2	26.4	39.6





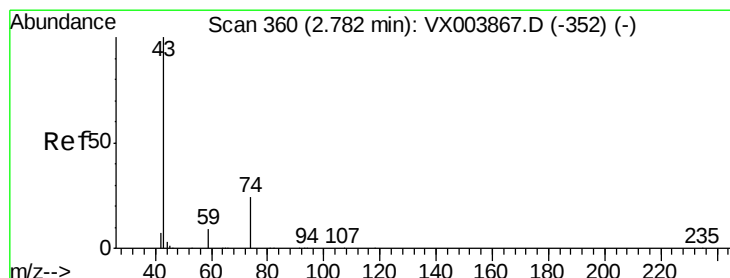
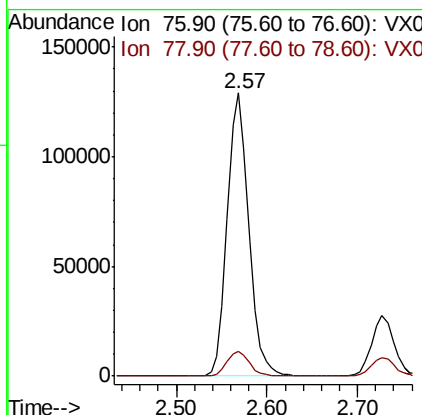
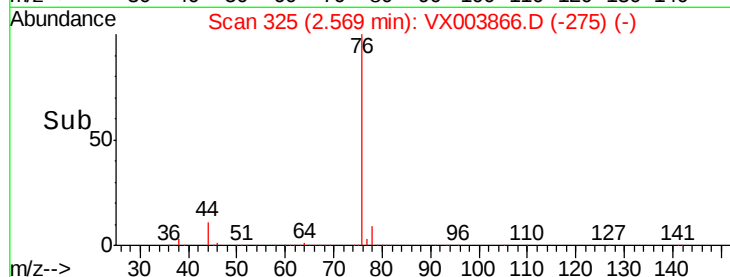
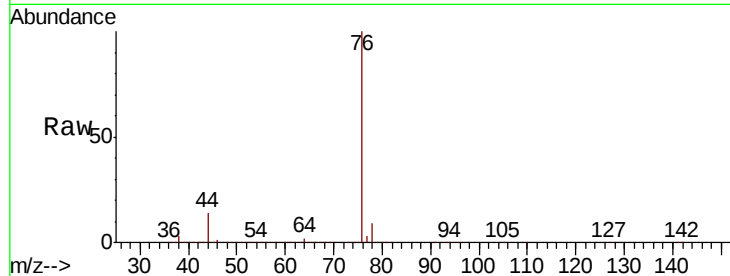
#17
Carbon Disulfide
Concen: 20.38 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.01 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.5	11.3

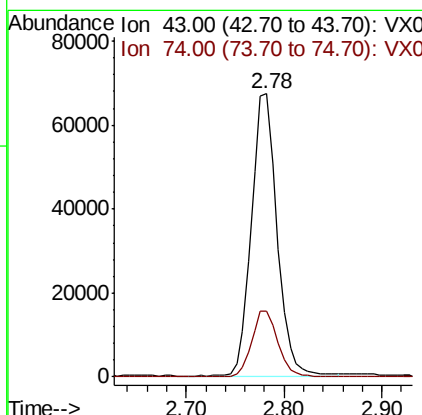
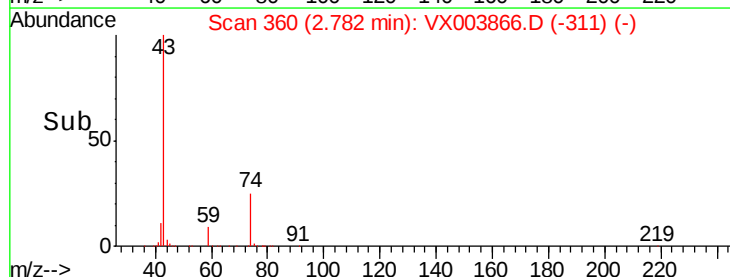
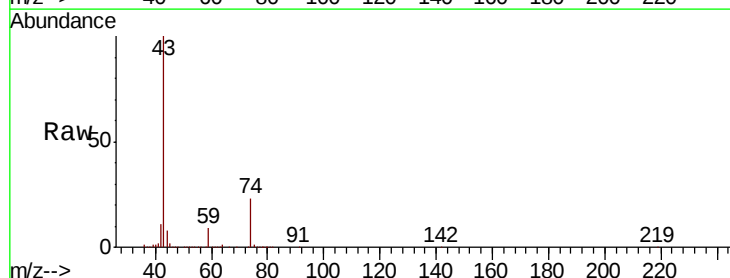
Manual Integrations
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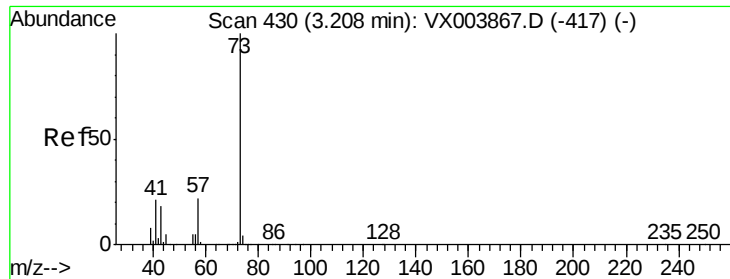
MMDadoda
8/7/2018 1:12:50 PM



#18
Methyl Acetate
Concen: 20.85 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	18.9	28.3





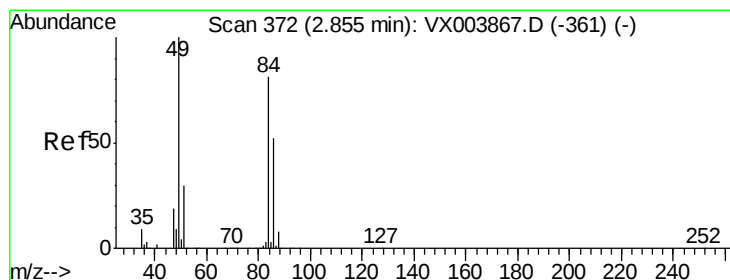
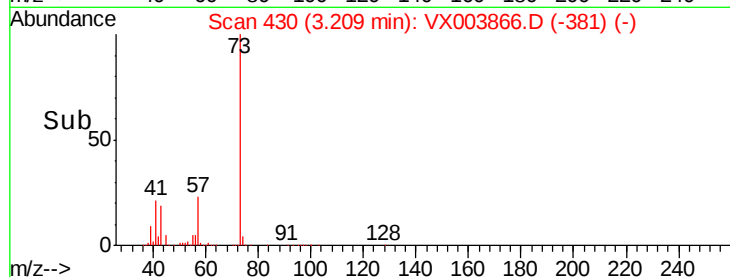
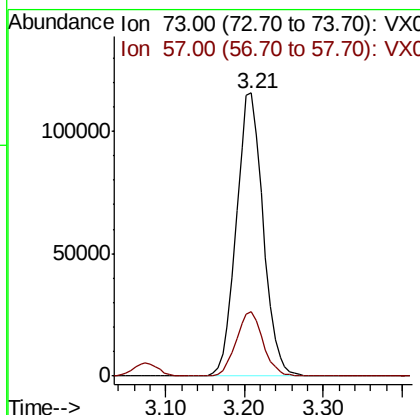
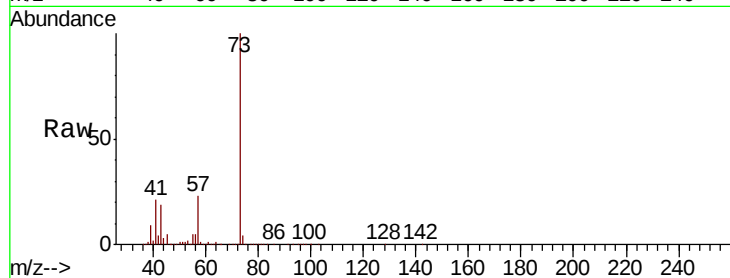
#19
Methvl tert-butvl Ether
Concen: 21.35 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.0	27.0

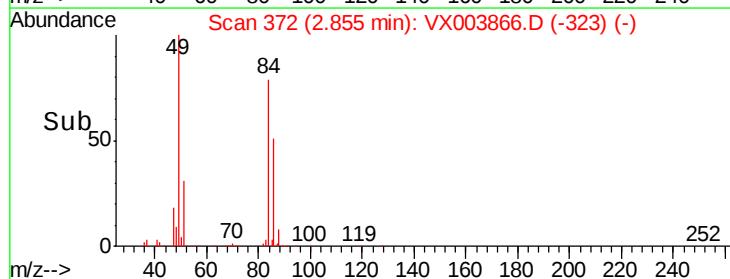
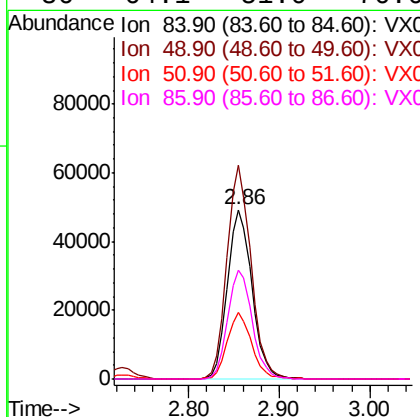
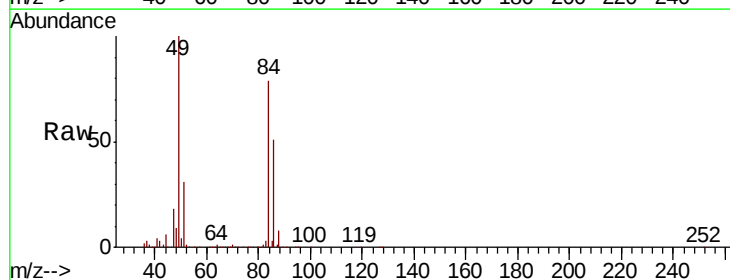
Manual Integrations
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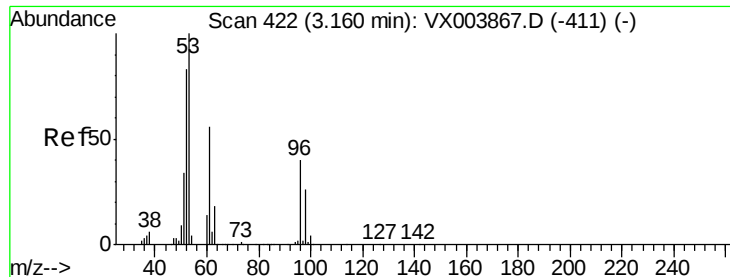
MMDadoda
8/7/2018 1:12:50 PM



#20
Methylene Chloride
Concen: 20.69 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.9	98.9	148.3
51	38.8	29.9	44.9
86	64.1	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 20.61 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Instrument :

MSVOA_X

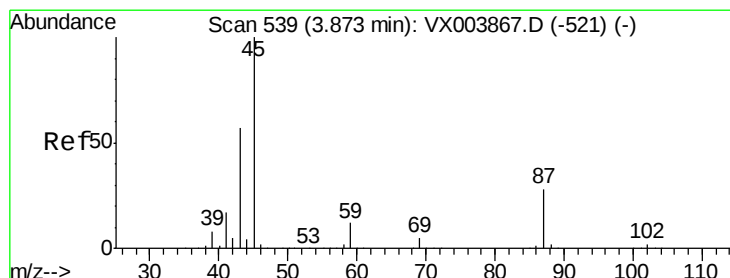
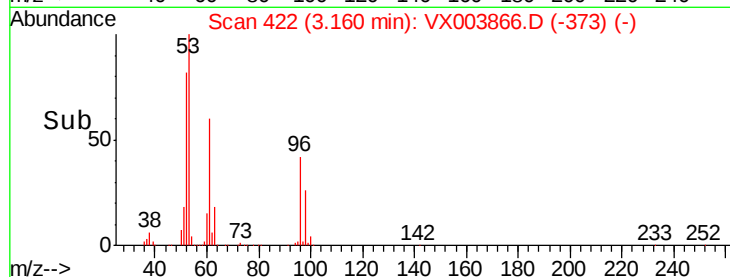
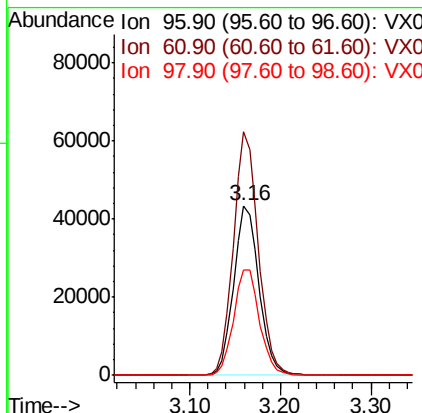
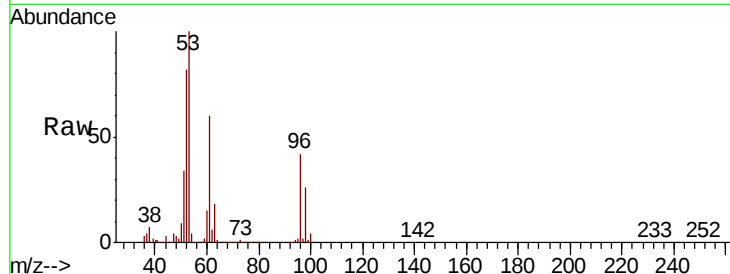
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	84091
Ion	Ratio	Lower	Upper
96	100		
61	143.6	111.8	167.6
98	62.3	51.8	77.6

Manual Integrations
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8/7/2018 1:12:50 PM



#22

Diisopropyl ether

Concen: 20.22 ug/l

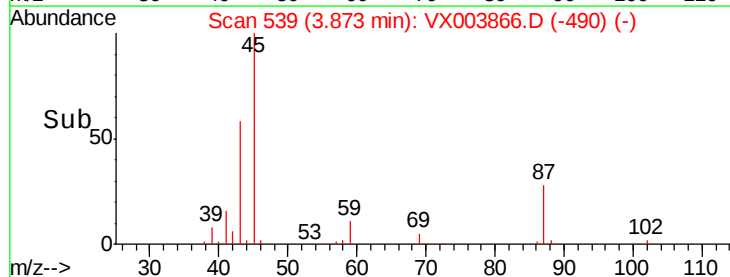
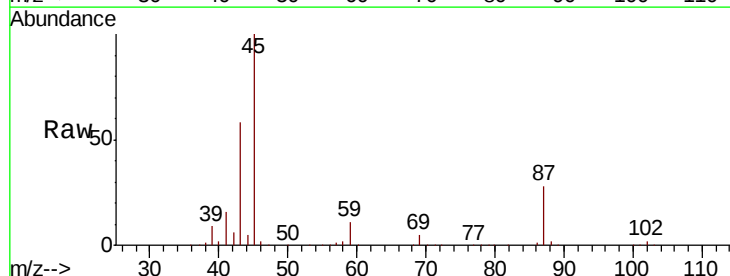
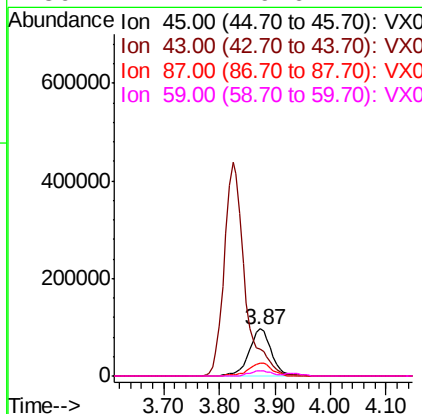
RT: 3.87 min Scan# 539

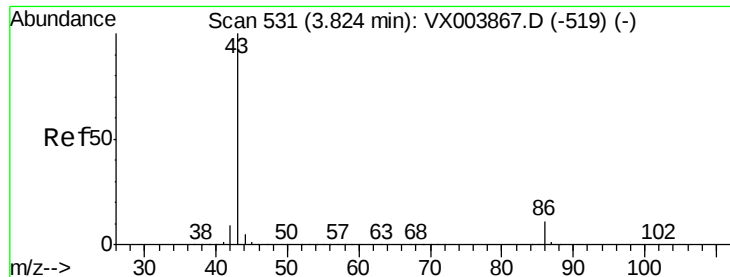
Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Tgt Ion:	45	Resp:	265561
Ion	Ratio	Lower	Upper
45	100		
43	57.7	45.3	67.9
87	28.0	22.7	34.1
59	11.4	9.6	14.4





#23

Vinyl Acetate

Concen: 103.15 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 1122638

Ion Ratio Lower Upper

43 100

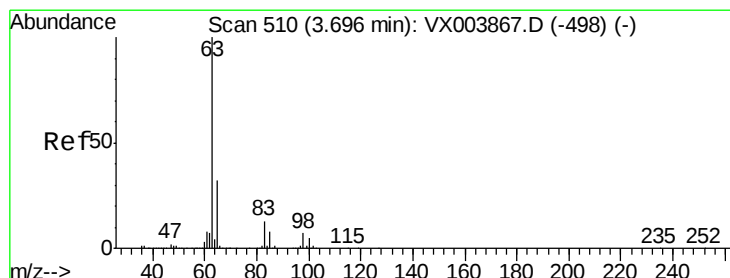
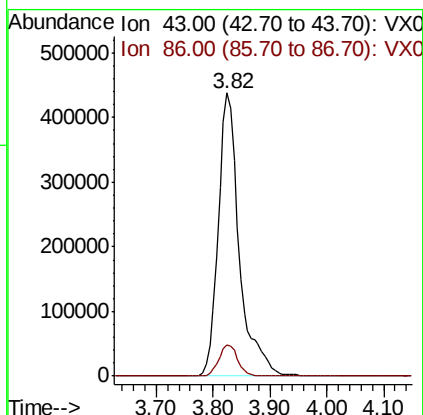
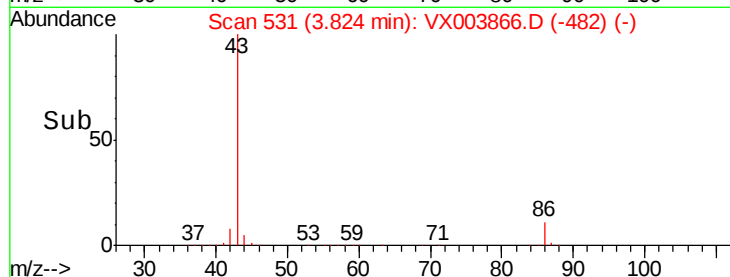
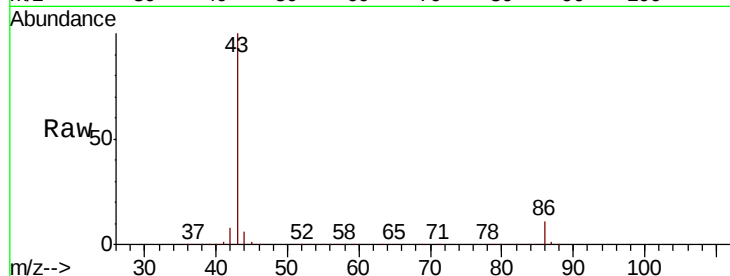
86 11.0 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.51 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

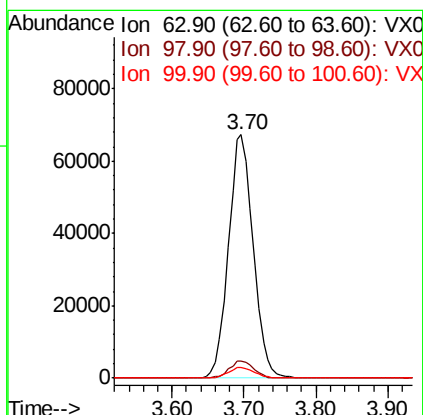
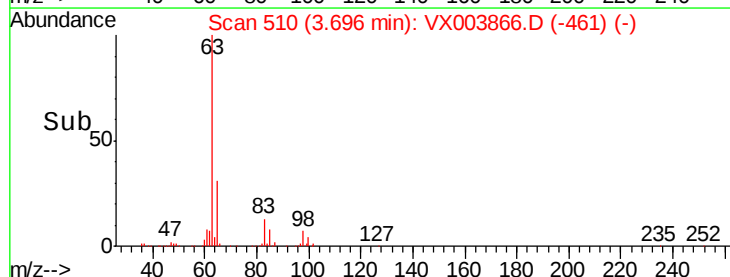
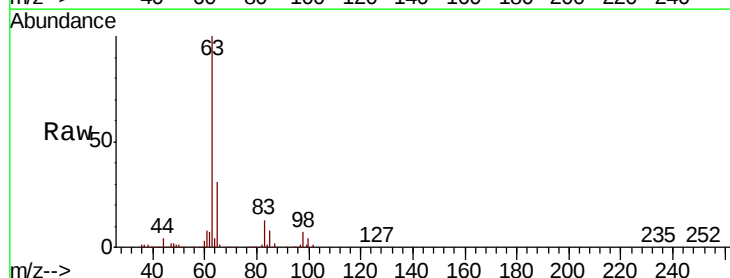
Tgt Ion: 63 Resp: 160095

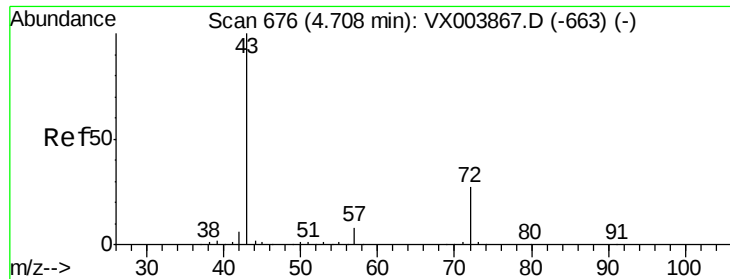
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.4 2.3 6.8





#25

2-Butanone

Concen: 99.21 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 424639

Ion Ratio Lower Upper

43 100

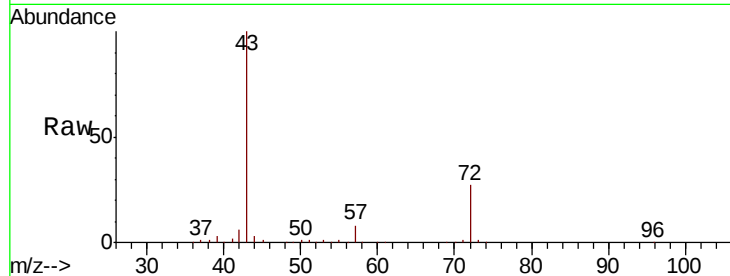
72 26.7 21.4 32.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

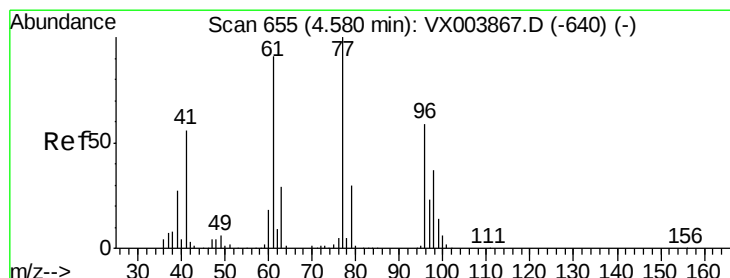
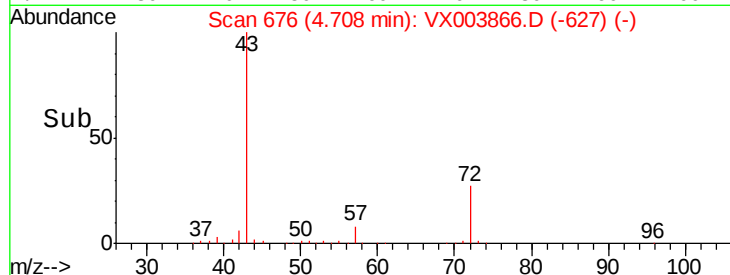
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 22.56 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX003866.D

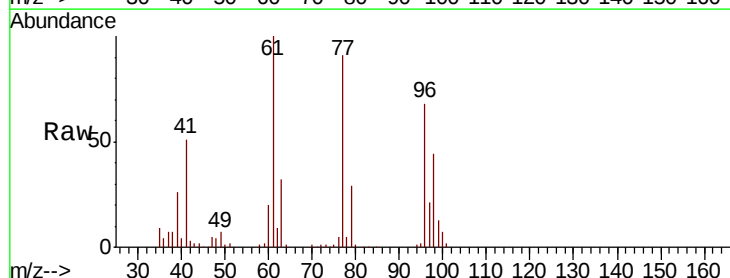
Acq: 06 Aug 2018 17:20

Tgt Ion: 77 Resp: 115440

Ion Ratio Lower Upper

77 100

97 23.4 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

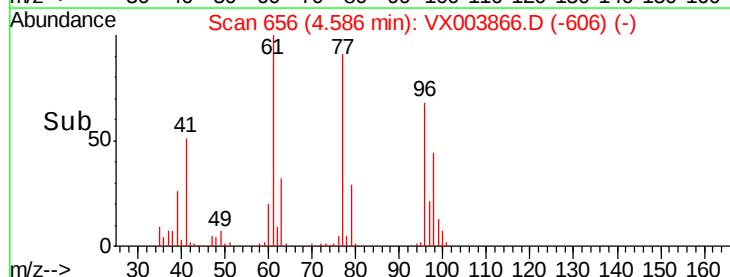
20000

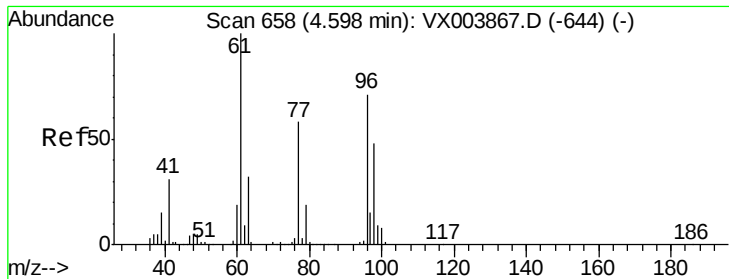
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 20.12 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Instrument :

MSVOA_X

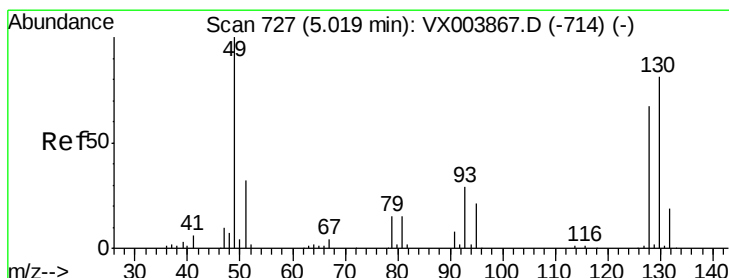
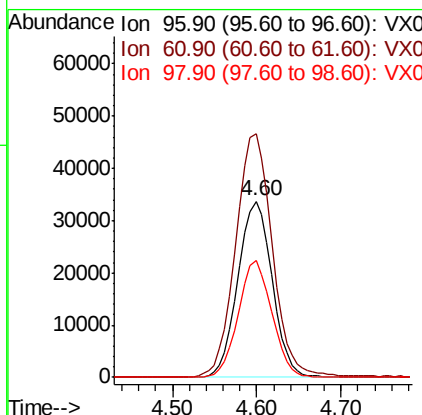
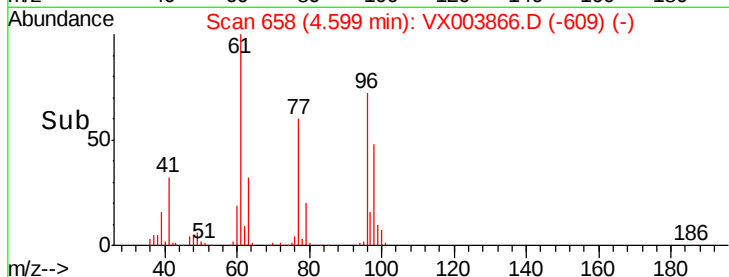
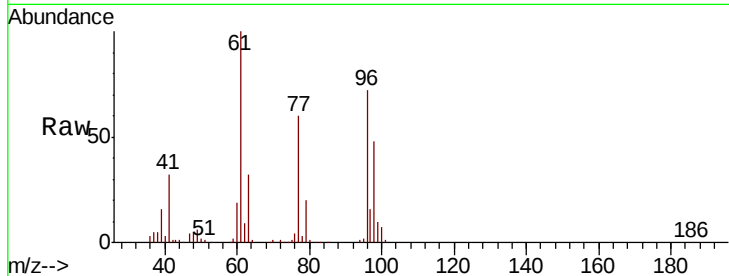
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	92736
Ion	Ratio	Lower	Upper
96	100		
61	149.3	0.0	293.0
98	65.1	0.0	131.8

Manual Integrations
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8/7/2018 1:12:50 PM



#28

Bromochloromethane

Concen: 21.29 ug/l

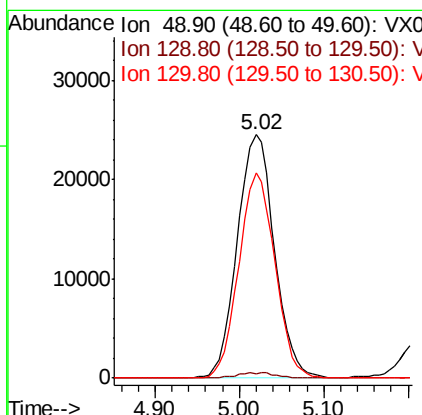
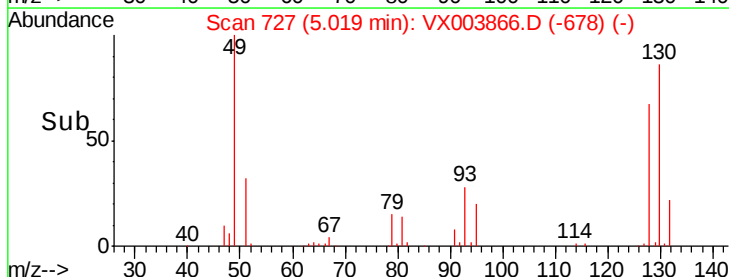
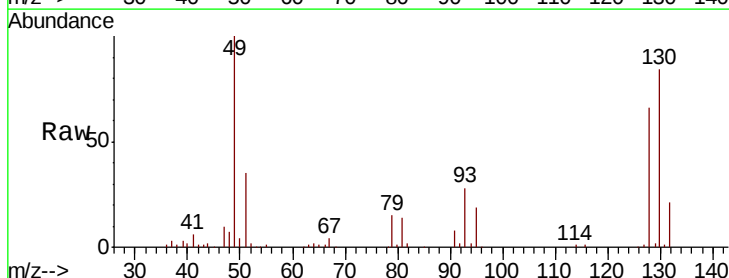
RT: 5.02 min Scan# 727

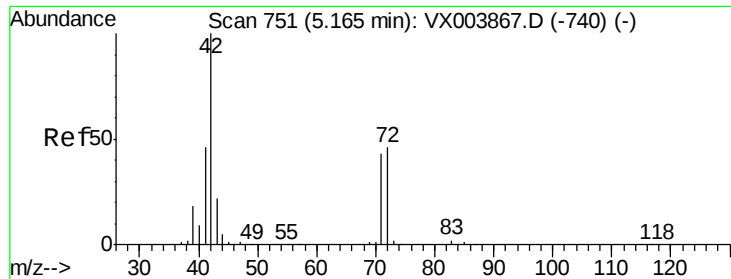
Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Tgt Ion:	49	Resp:	73431
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	81.9	66.5	99.7





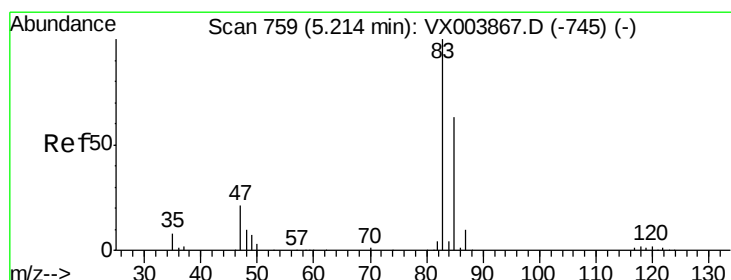
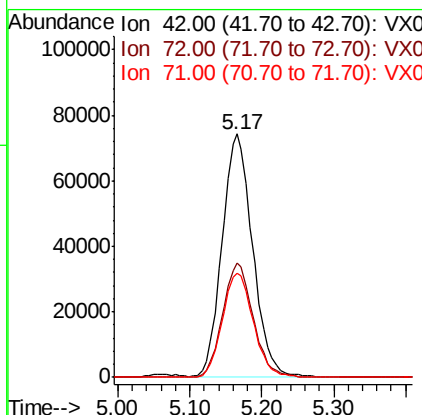
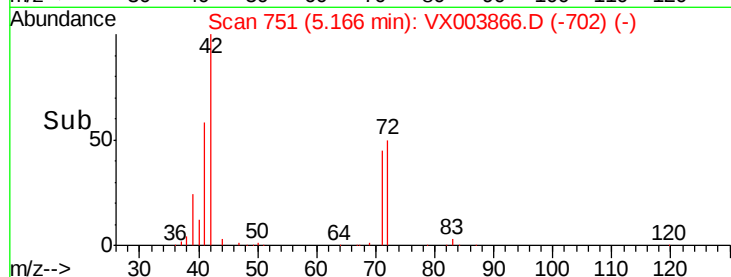
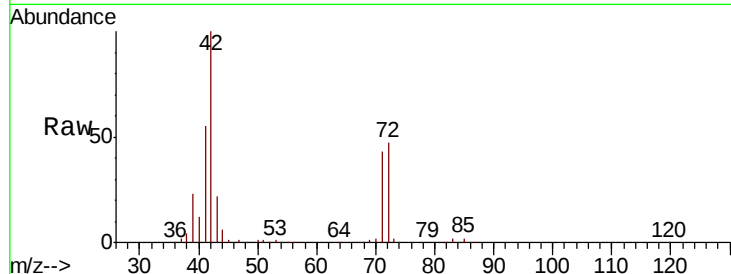
#29
Tetrahydrofuran
Concen: 99.81 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.7	56.5
71	43.6	35.0	52.6

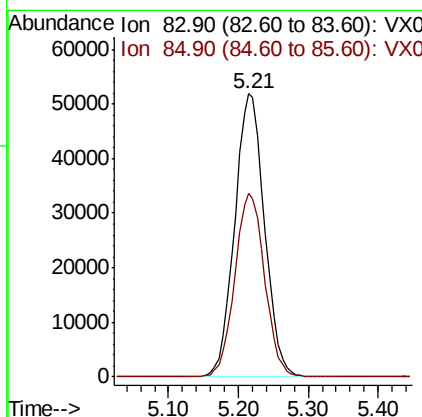
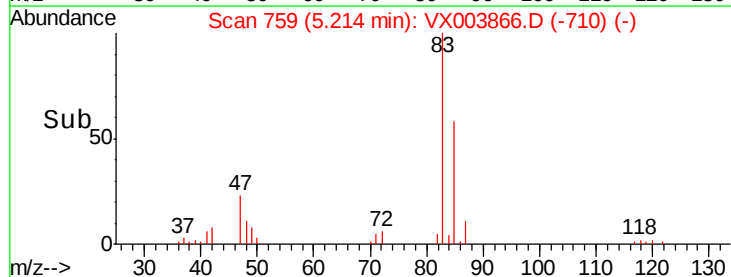
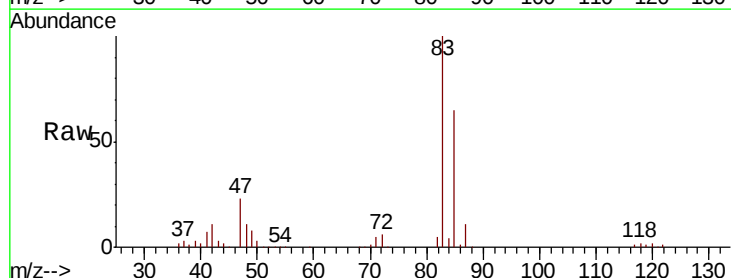
Manual Integrations
APPROVED

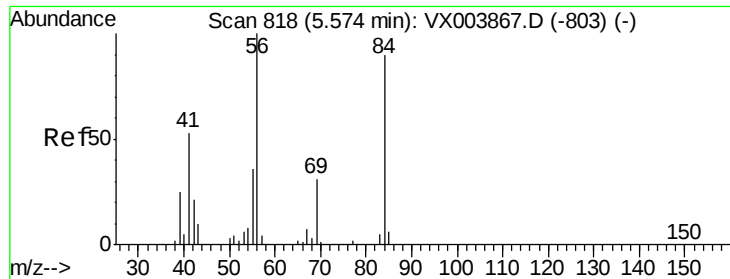
MMDadoda
8/7/2018 1:12:50 PM



#30
Chloroform
Concen: 20.06 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.7	76.1





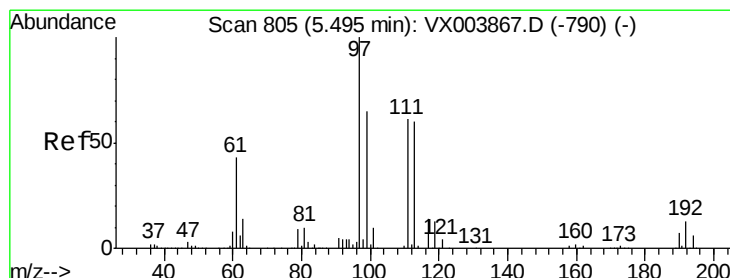
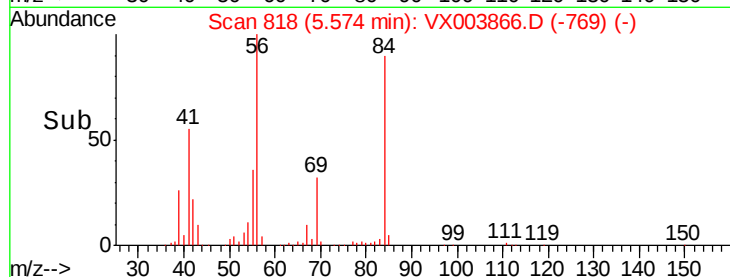
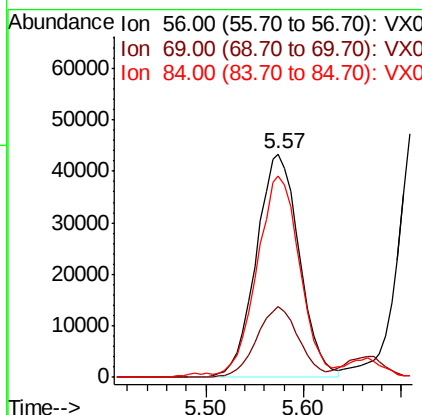
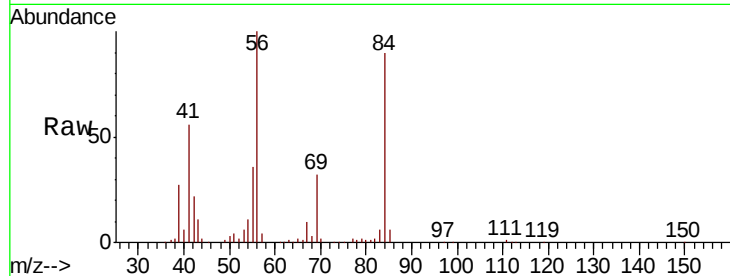
#31
Cvclohexane
Concen: 20.64 ug/l
RT: 5.57 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.6	24.9	37.3
84	88.8	71.7	107.5

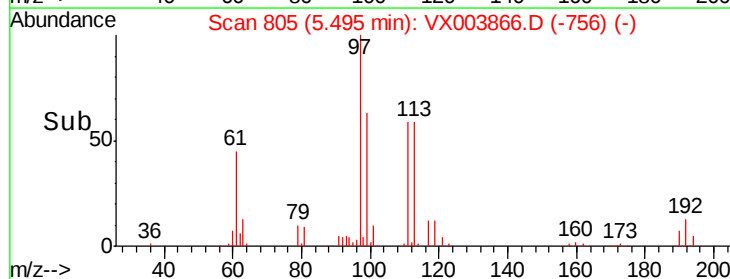
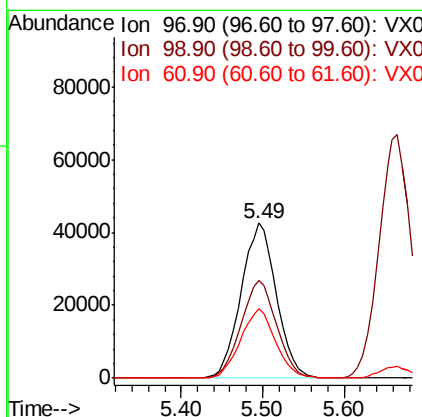
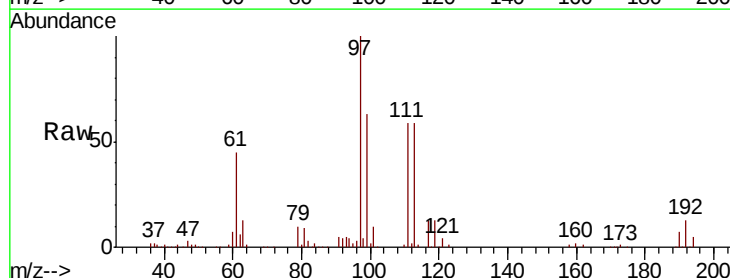
Manual Integrations
APPROVED

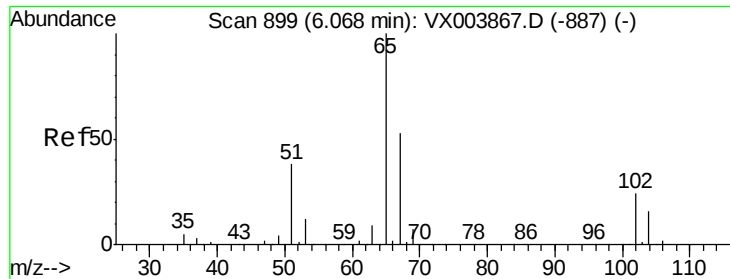
MMDadoda
8/7/2018 1:12:50 PM



#32
1,1,1-Trichloroethane
Concen: 20.06 ug/l
RT: 5.49 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.8	77.8
61	44.1	34.4	51.6





#33

1,2-Dichloroethane-d4

Concen: 20.11 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Tot Ion: 65 Resp: 95868

Ion Ratio Lower Upper

65 100

67 54.1 0.0 105.8

Instrument :

MSVOA_X

ClientSampleId :

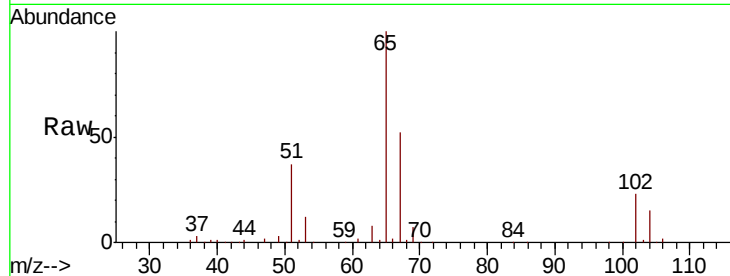
VSTDIC020

Manual Integrations

APPROVED

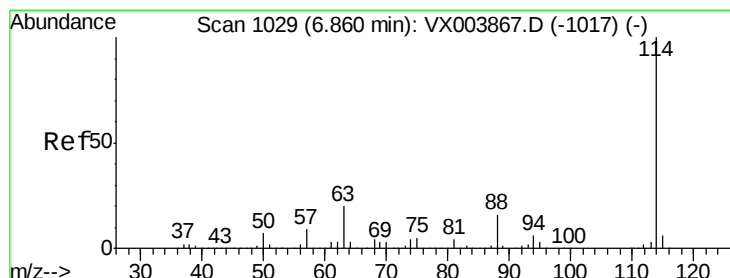
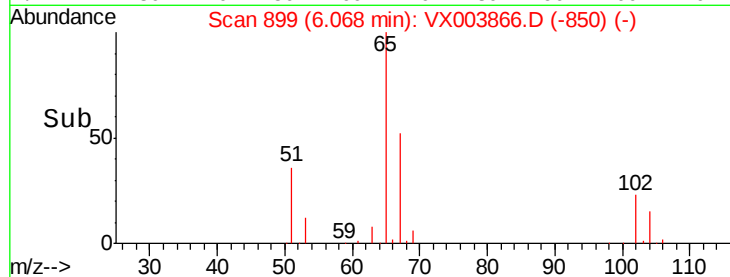
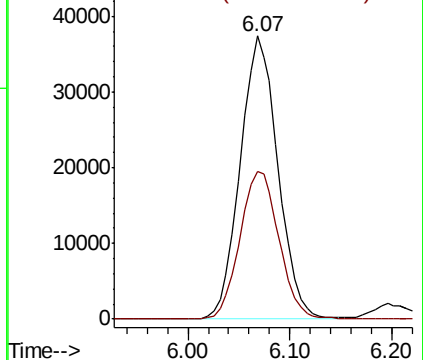
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

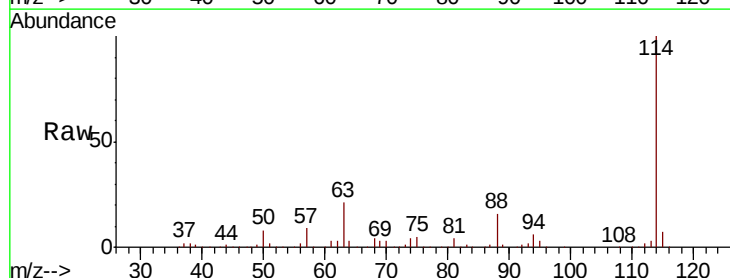
Tgt Ion:114 Resp: 539307

Ion Ratio Lower Upper

114 100

63 20.9 0.0 39.0

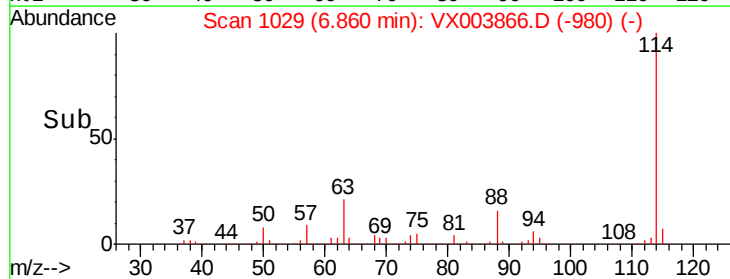
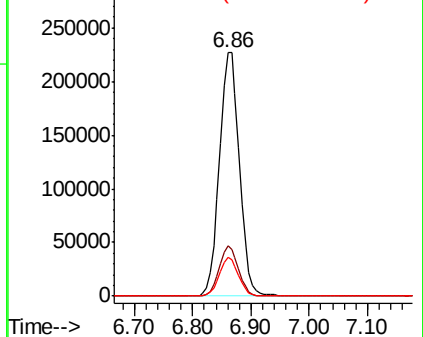
88 15.8 0.0 32.0

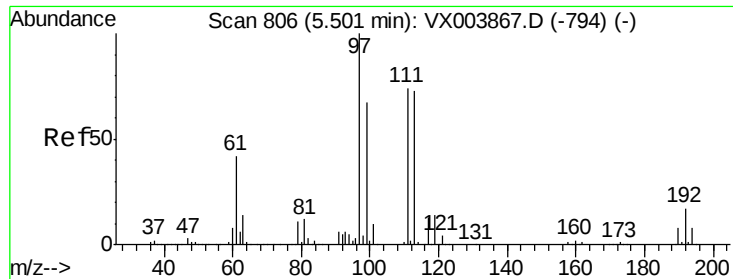


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 19.06 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Instrument :

MSVOA_X

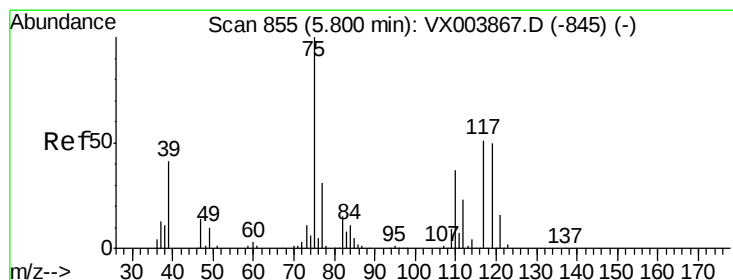
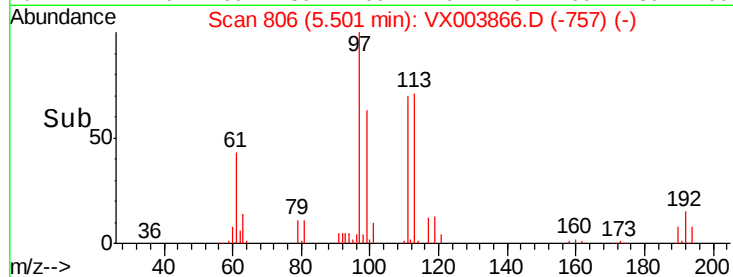
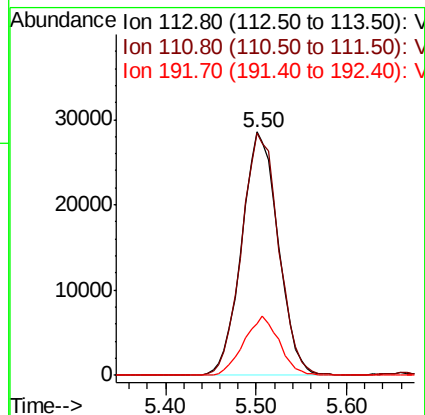
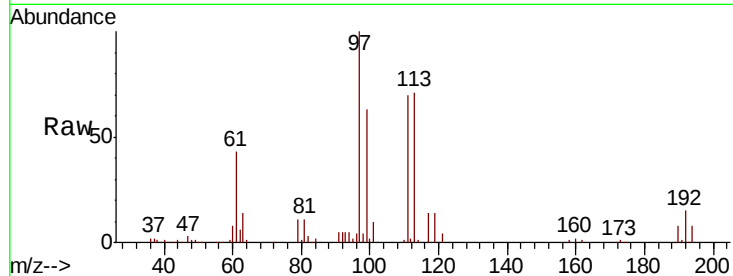
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	79816
Ion	Ratio	Lower	Upper
113	100		
111	100.4	82.0	123.0
192	23.4	19.0	28.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.45 ug/l

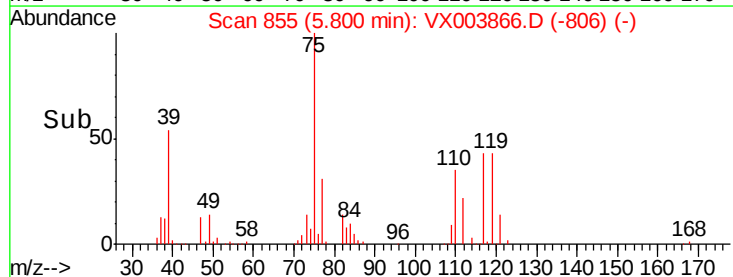
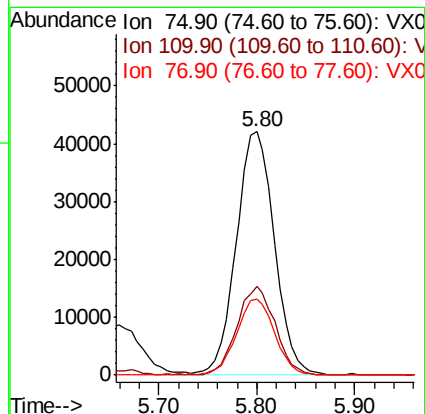
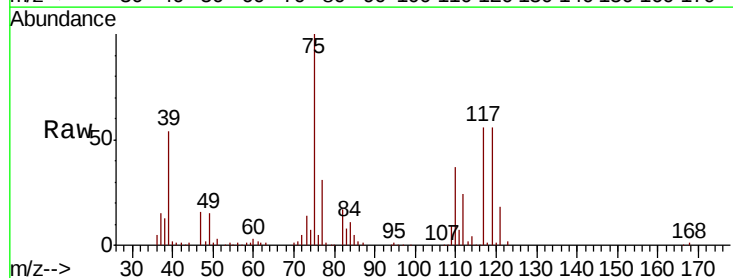
RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Tgt Ion:	75	Resp:	113588
Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.2	54.6
77	31.5	25.0	37.4





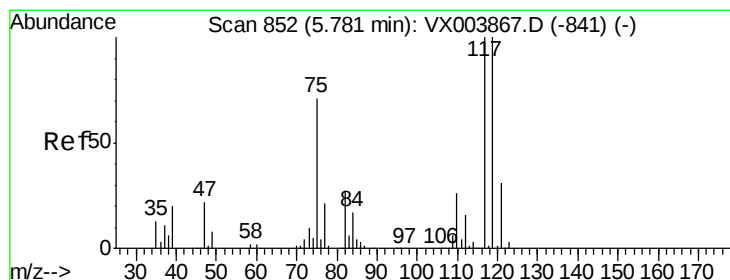
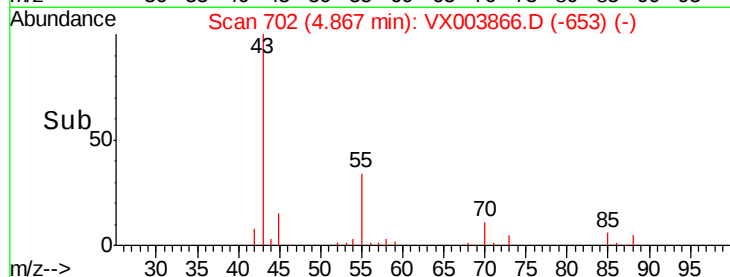
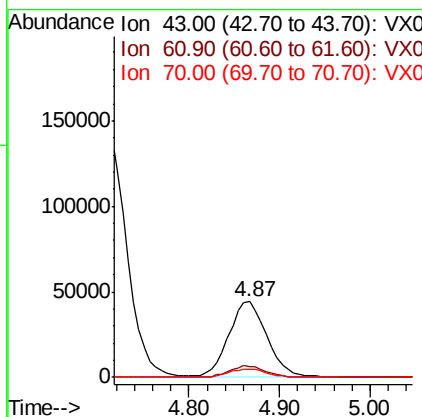
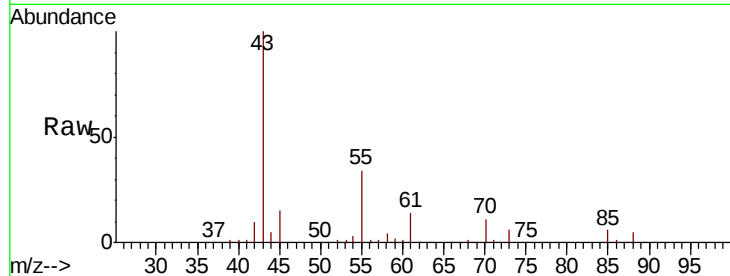
#37
Ethyl Acetate
Concen: 19.31 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.5	17.3
70	11.1	9.0	13.4

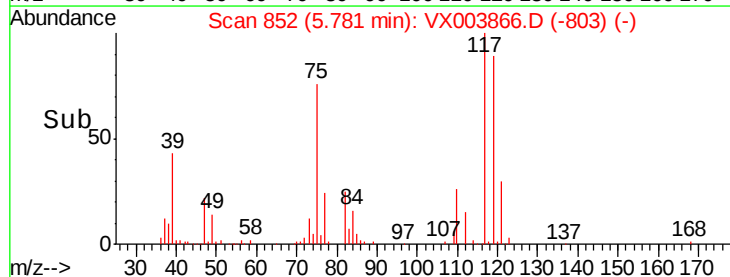
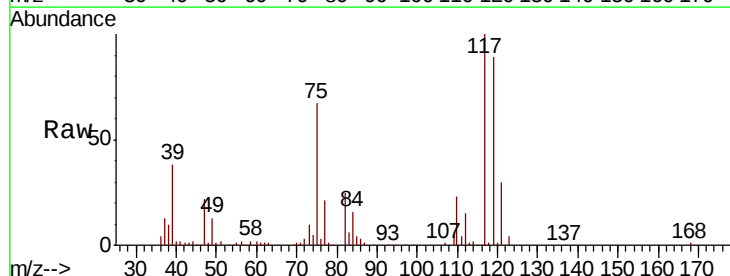
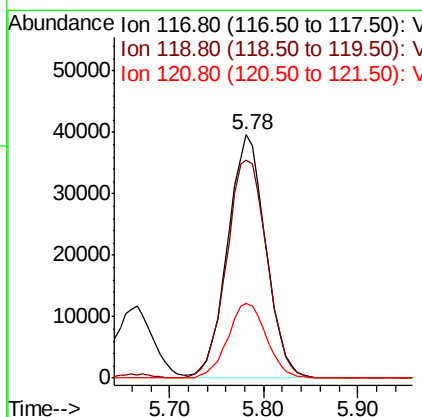
Manual Integrations
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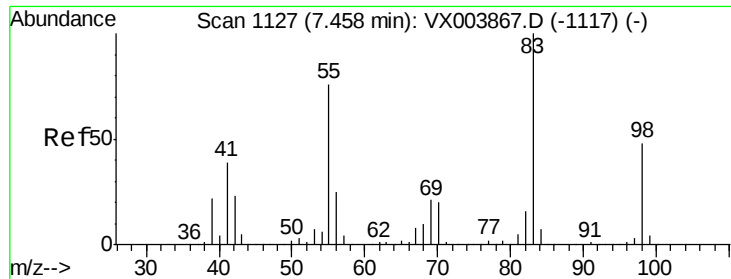
MMDadoda
8/7/2018 1:12:50 PM



#38
Carbon Tetrachloride
Concen: 19.20 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.3	79.5	119.3
121	30.4	25.0	37.4





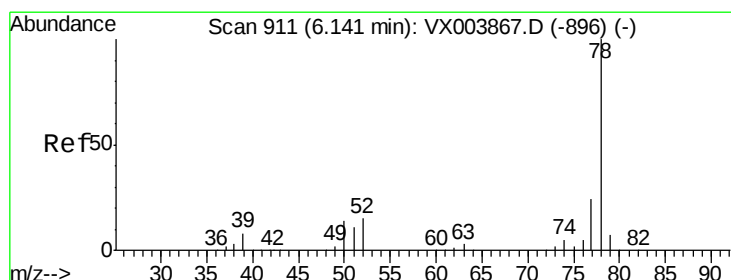
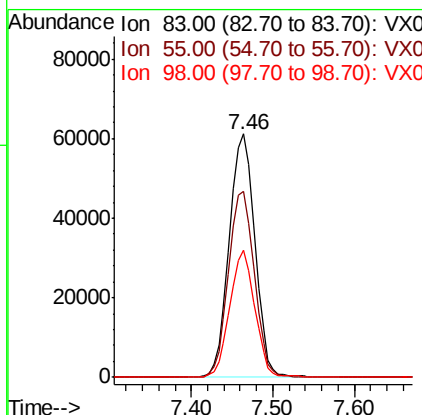
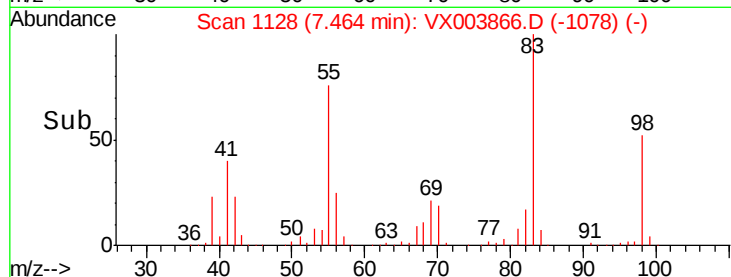
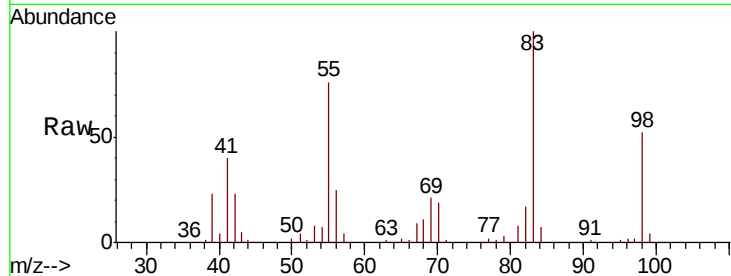
#39
Methvlcvclohexane
Concen: 19.92 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	61.0	91.6
98	52.2	38.6	57.8

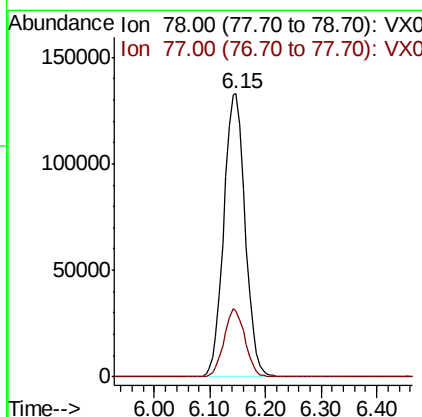
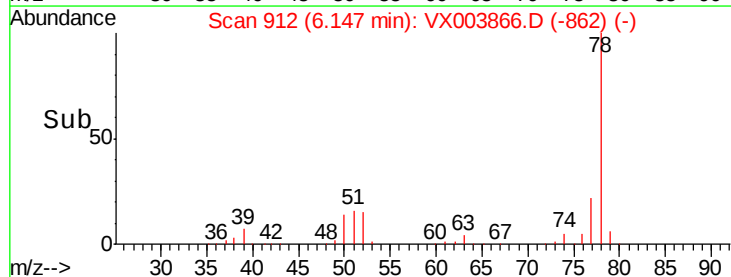
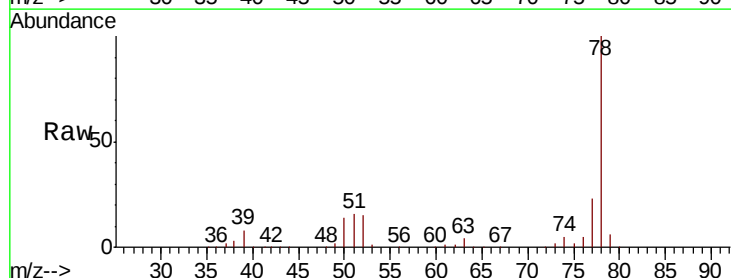
Manual Integrations
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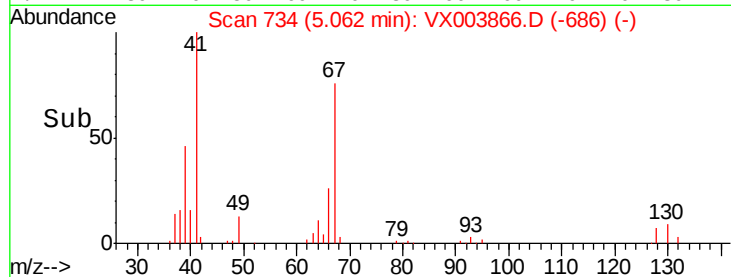
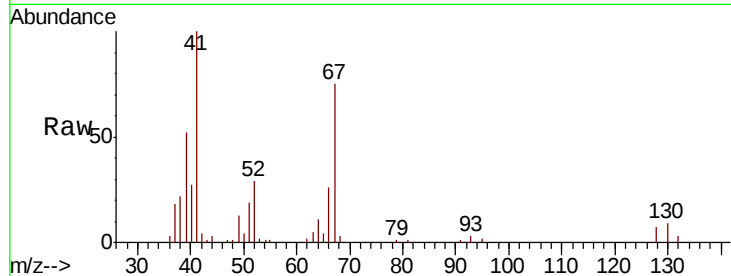
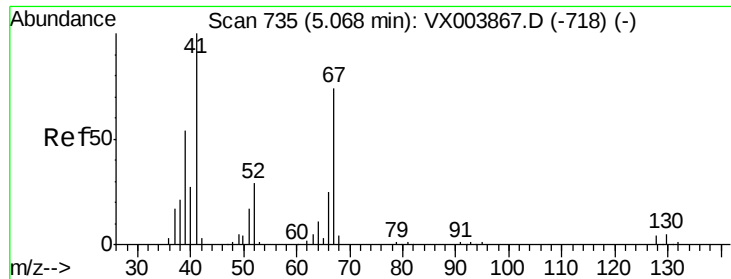
MMDadoda
8/7/2018 1:12:50 PM



#40
Benzene
Concen: 19.73 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.01 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.4





#41

Methacrylonitrile

Concen: 19.59 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.01 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Tot Ion	Ion	Ratio	Lower	Upper
70330	41	100		
	39	54.7	42.7	64.1
	67	74.1	58.9	88.3
	52	28.9	22.6	33.8

Instrument :

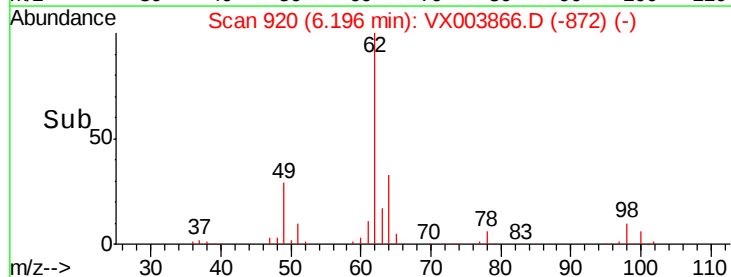
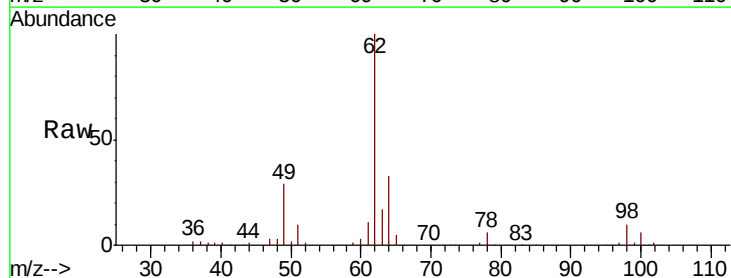
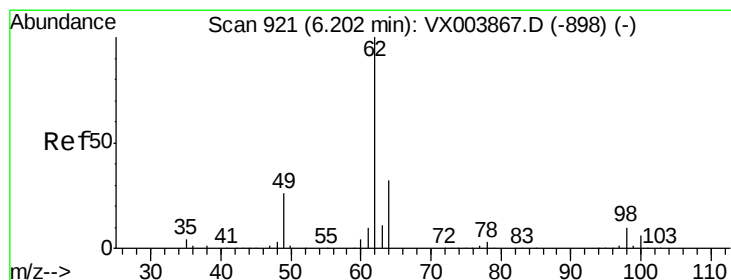
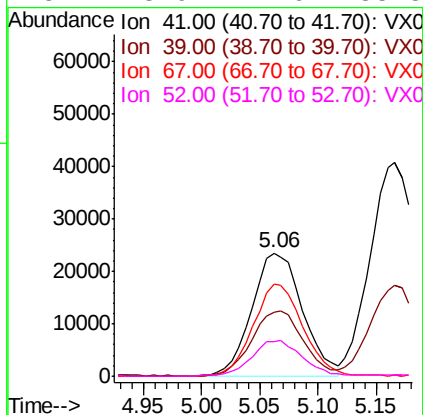
MSVOA_X

ClientSampleId :

VSTDIC020

Manual Integrations
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MMDadoda
8/7/2018 1:12:50 PM



#42

1,2-Dichloroethane

Concen: 19.89 ug/l

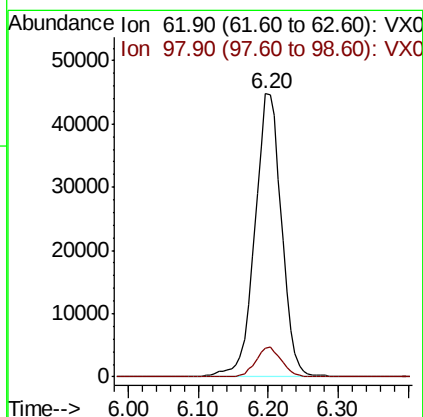
RT: 6.20 min Scan# 920

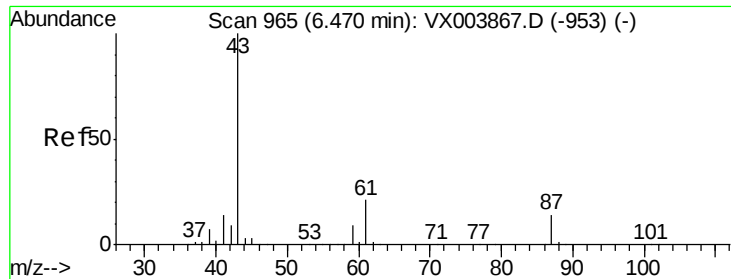
Delta R.T. -0.01 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Tgt Ion	Ion	Ratio	Lower	Upper
119055	62	100		
	98	10.1	0.0	20.4





#43

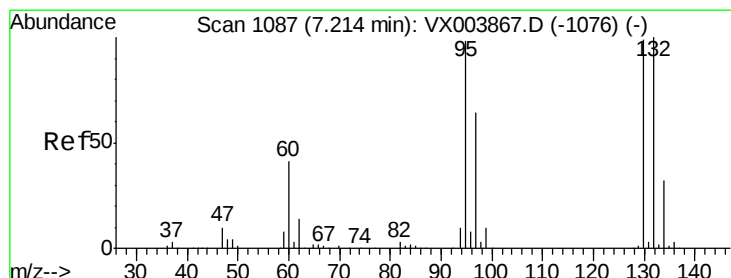
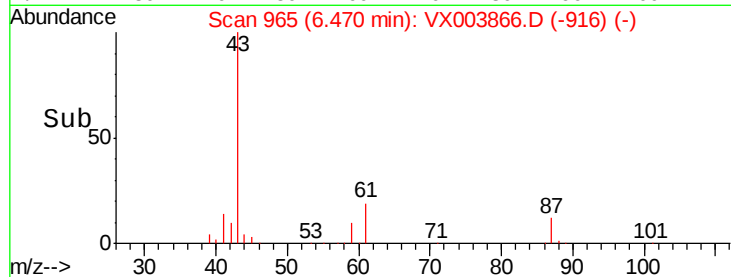
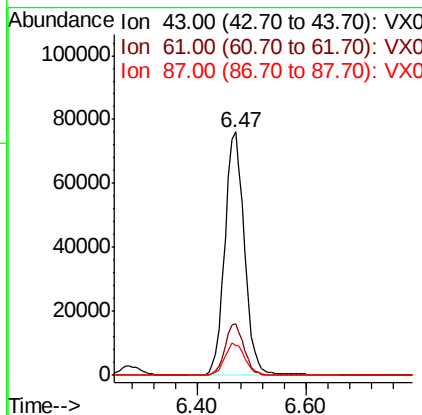
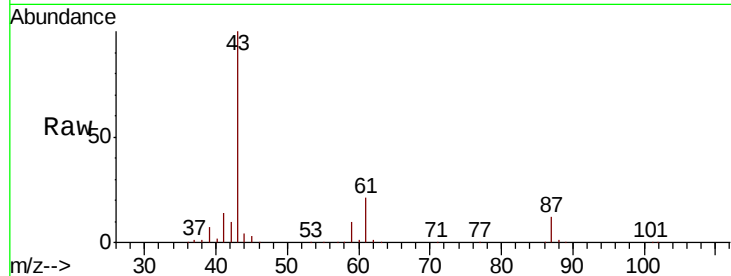
Isopropyl Acetate
 Concen: 19.19 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX003866.D
 Acq: 06 Aug 2018 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.9	25.3
87	13.5	11.3	16.9

Manual Integrations
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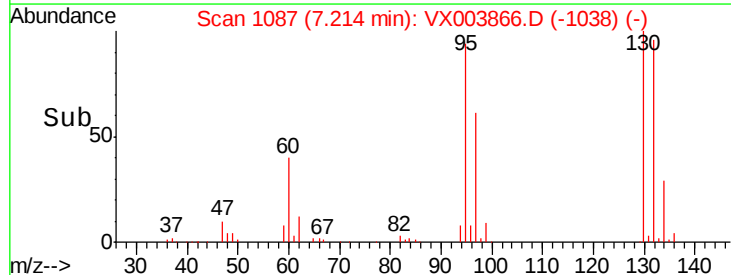
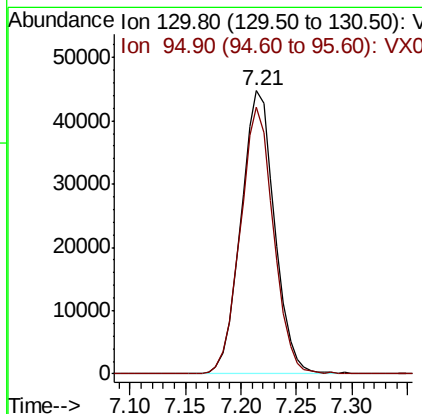
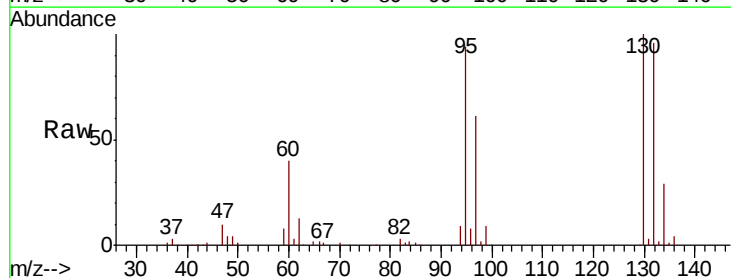
MMDadoda
 8/7/2018 1:12:50 PM

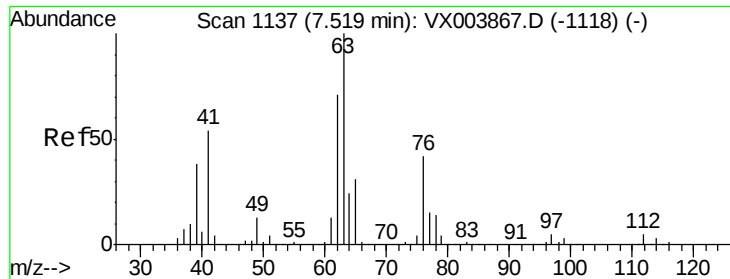


#44

Trichloroethene
 Concen: 19.44 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003866.D
 Acq: 06 Aug 2018 17:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	199.4





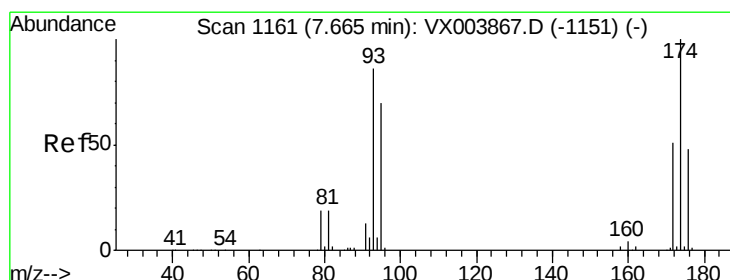
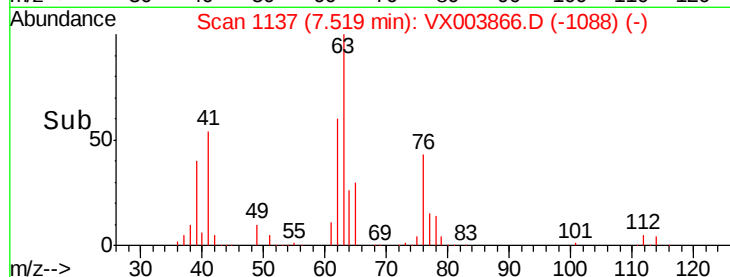
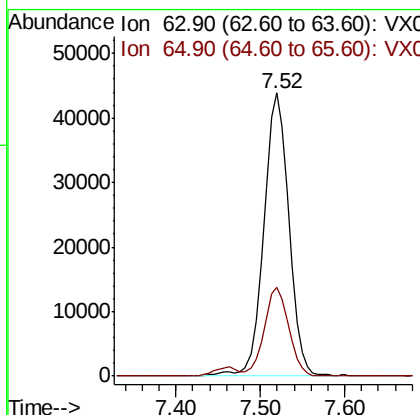
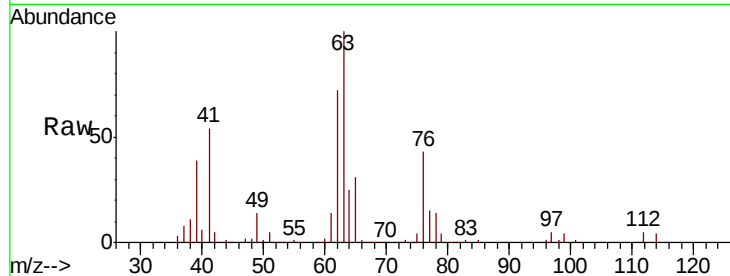
#45
 1,2-Dichloropropane
 Concen: 19.52 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003866.D
 Acq: 06 Aug 2018 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.6	36.8

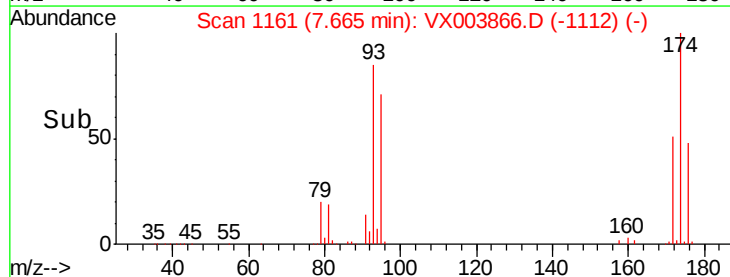
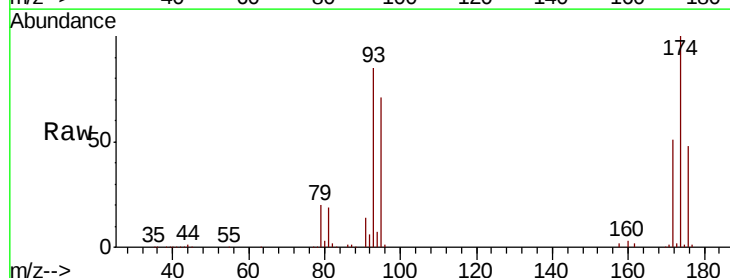
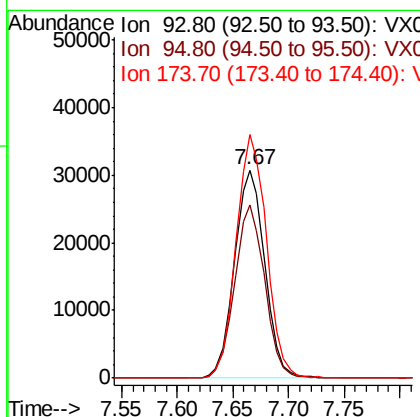
Manual Integrations
 APPROVED

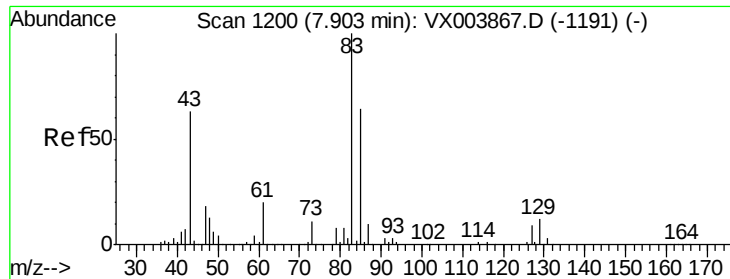
MMDadoda
 8/7/2018 1:12:50 PM



#46
 Dibromomethane
 Concen: 19.48 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003866.D
 Acq: 06 Aug 2018 17:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.4	99.6
174	117.9	94.3	141.5





#47

Bromodichloromethane

Concen: 19.59 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 110078

Ion Ratio Lower Upper

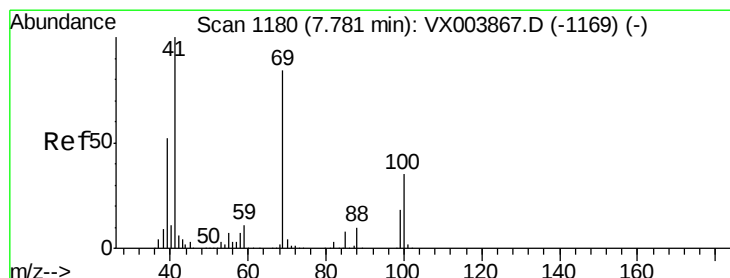
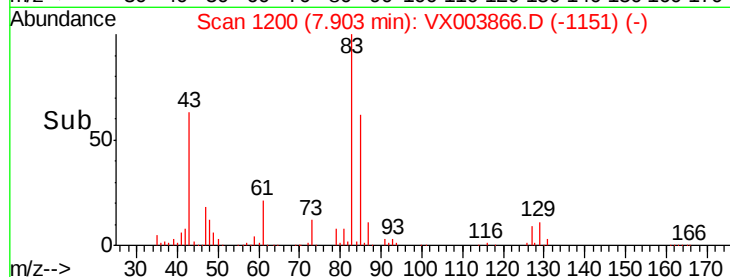
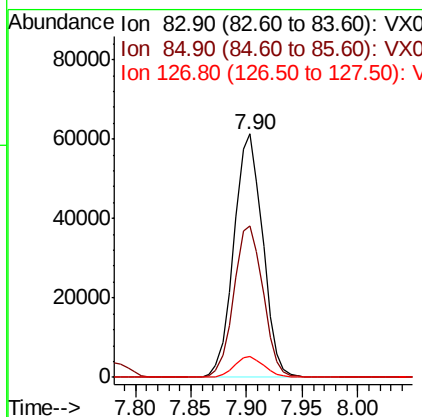
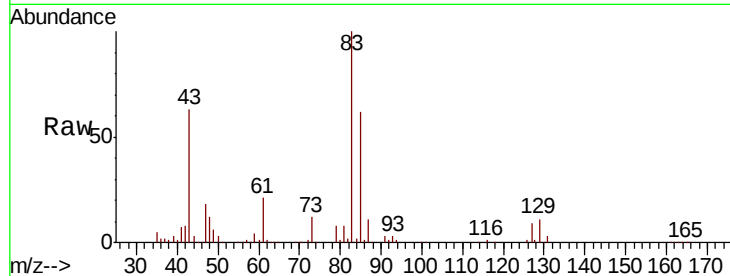
83 100

85 62.0 51.2 76.8

127 8.7 7.2 10.8

Manual Integrations
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MMDadoda
8/7/2018 1:12:50 PM



#48

Methyl methacrylate

Concen: 19.49 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

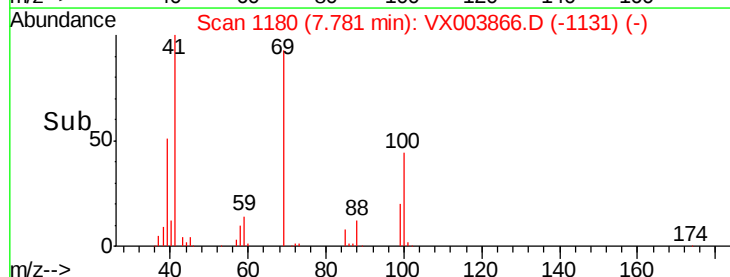
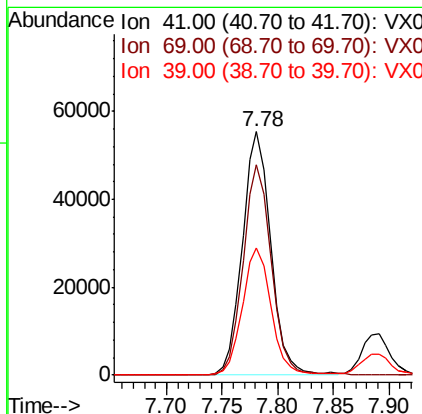
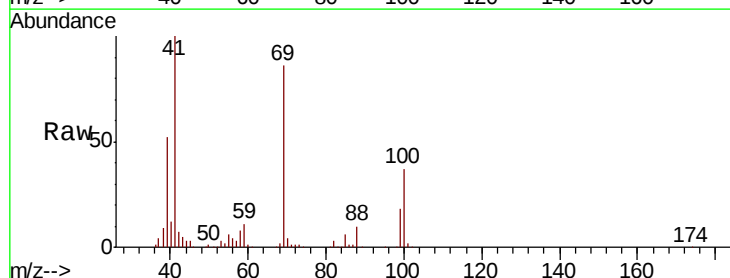
Tgt Ion: 41 Resp: 98257

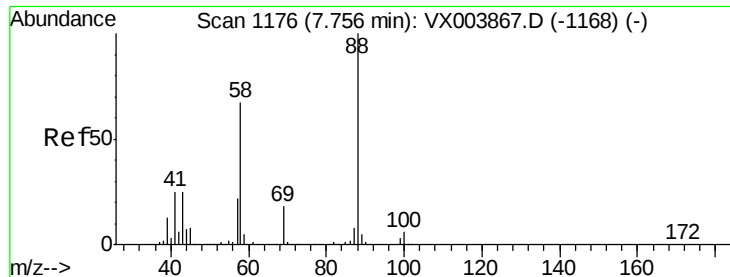
Ion Ratio Lower Upper

41 100

69 86.5 68.8 103.2

39 53.0 42.3 63.5





#49

1,4-Dioxane

Concen: 401.28 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Instrument :

MSVOA_X

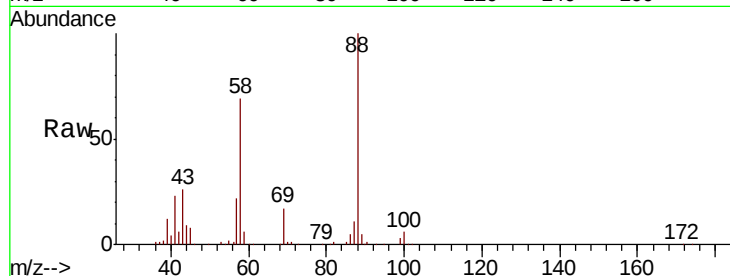
ClientSampleId :

VSTDIC020

Tot Ion:	88	Resp:	47874
Ion	Ratio	Lower	Upper
88	100		
43	31.3	23.8	35.8
58	70.8	55.4	83.0

Manual Integrations
APPROVED

MMDadoda
8/7/2018 1:12:50 PM

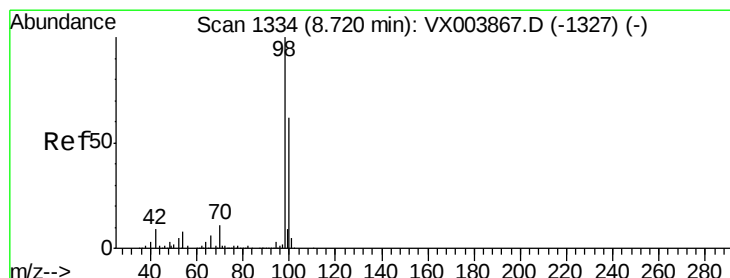
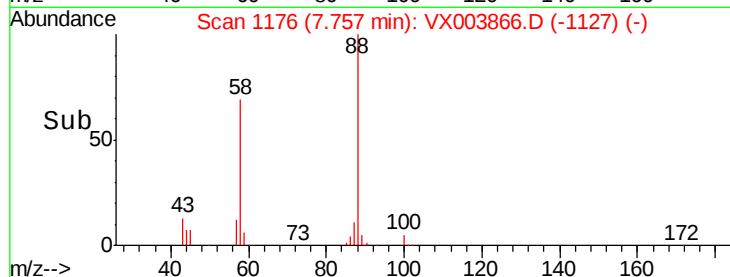
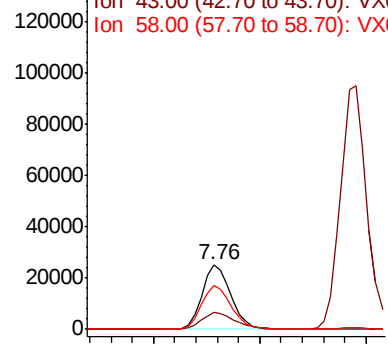


Abundance

Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 19.03 ug/l

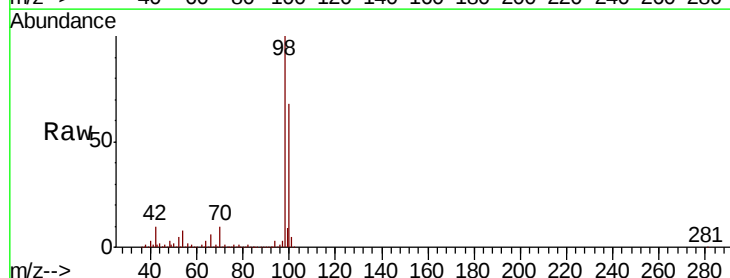
RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

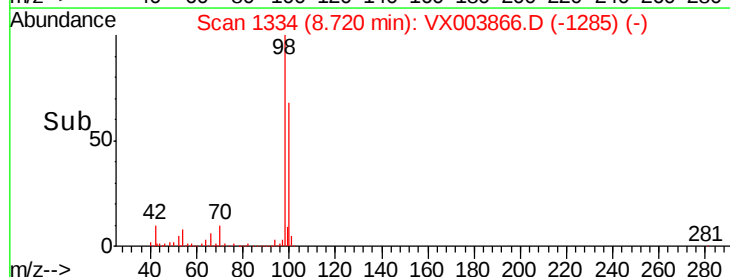
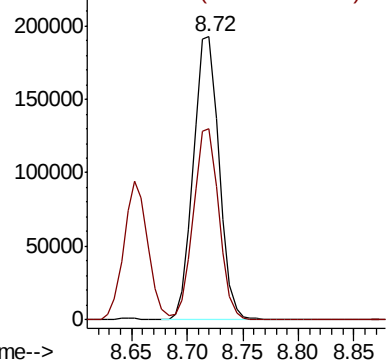
Tgt Ion:	98	Resp:	307910
Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.3	79.9

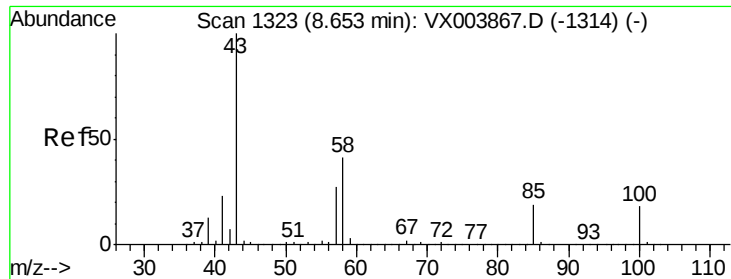


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





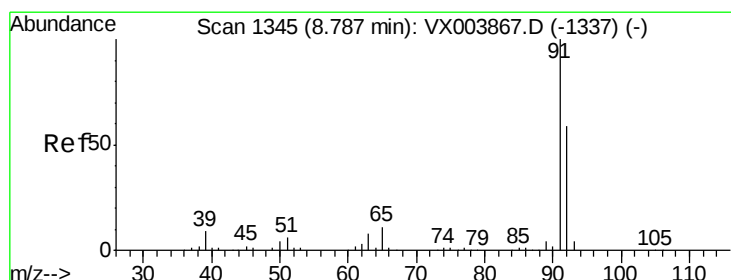
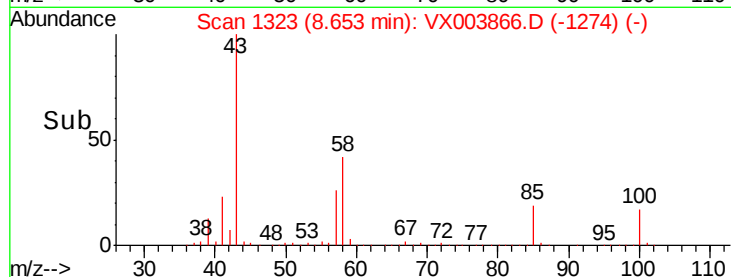
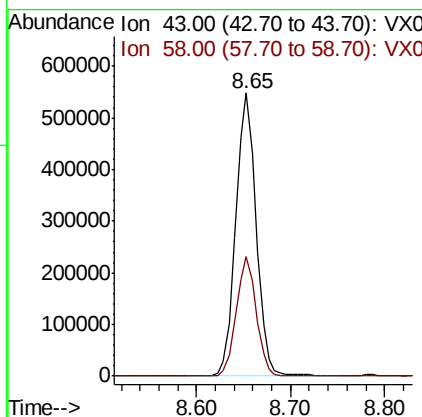
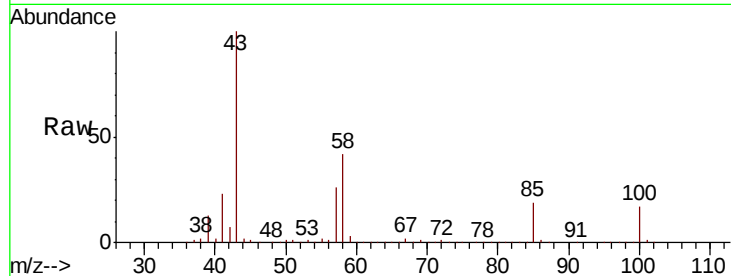
#51
4-Methyl-2-Pentanone
Concen: 99.14 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.2	33.0	49.6

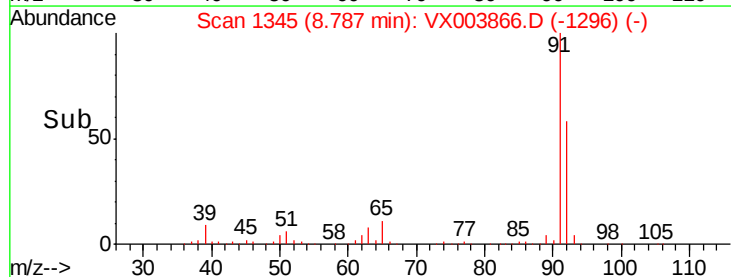
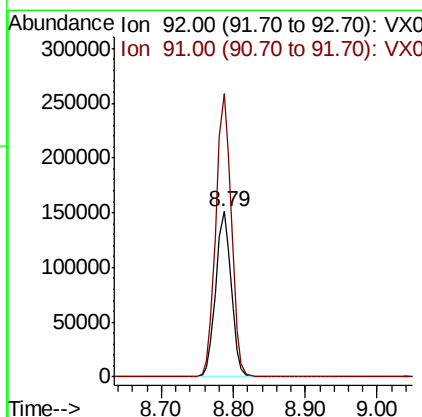
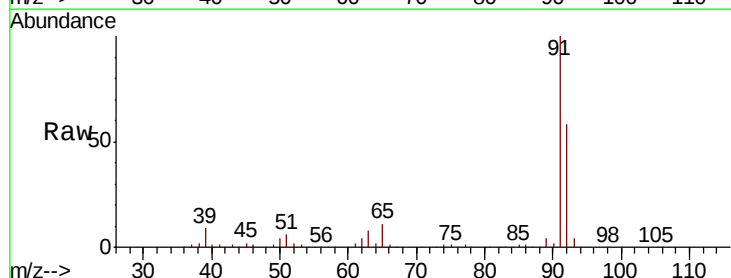
Manual Integrations
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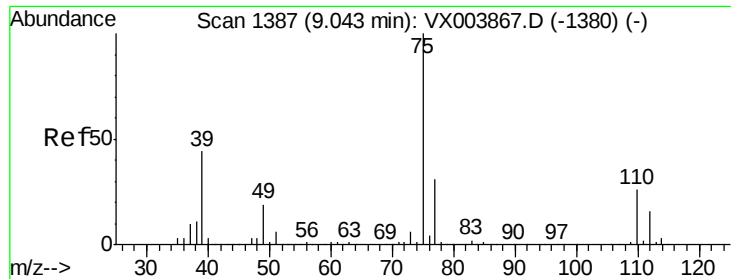
MMDadoda
8/7/2018 1:12:50 PM



#52
Toluene
Concen: 20.31 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.5	136.1	204.1





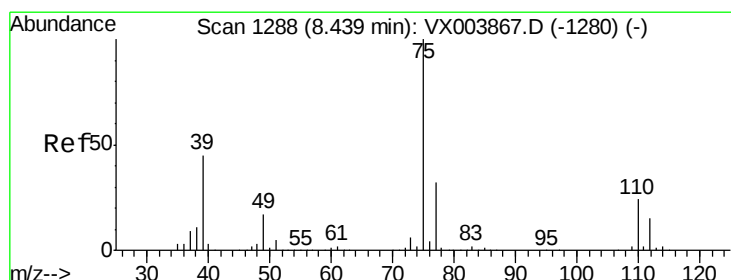
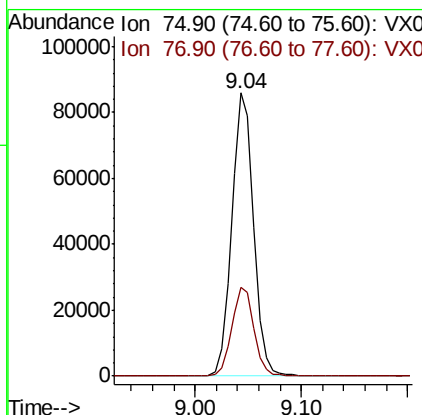
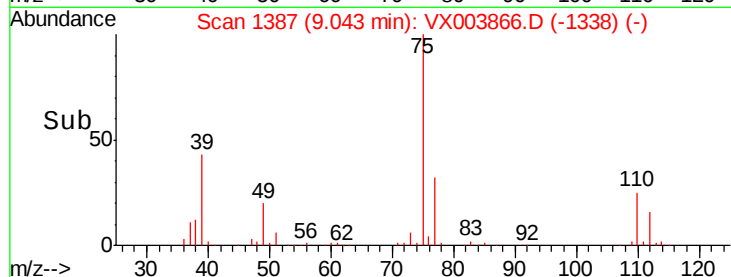
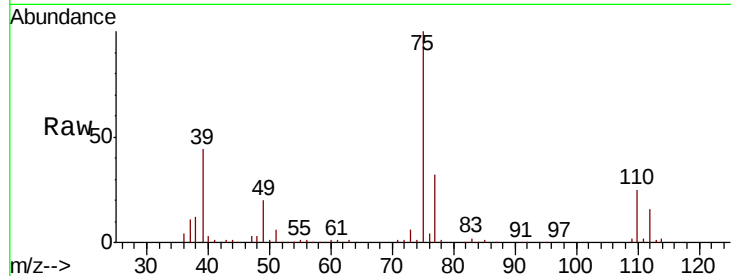
#53
 t-1,3-Dichloropropene
 Concen: 20.03 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX003866.D
 Acq: 06 Aug 2018 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.1	37.7

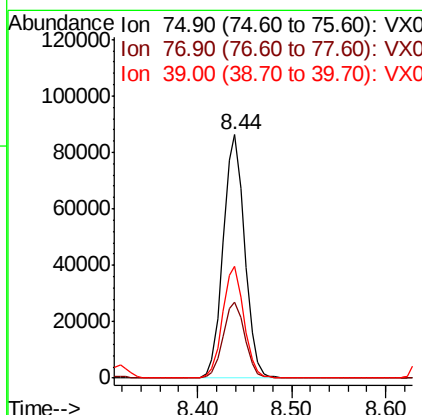
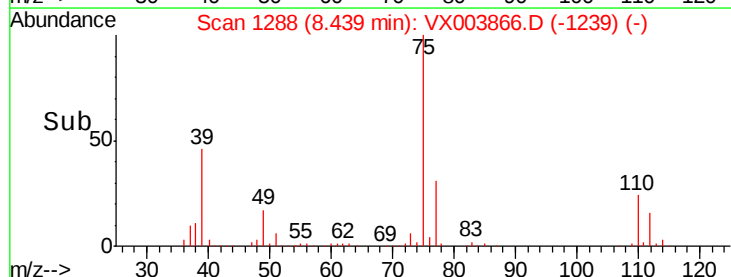
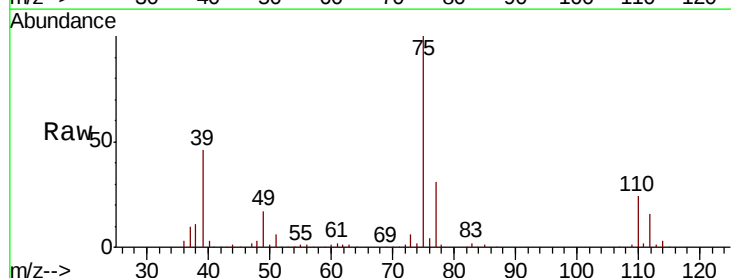
Manual Integrations
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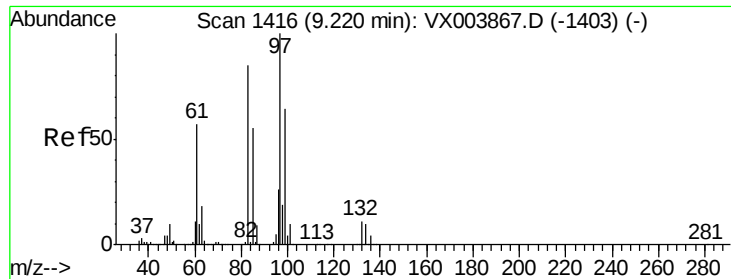
MMDadoda
 8/7/2018 1:12:50 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.33 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003866.D
 Acq: 06 Aug 2018 17:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.3	37.9
39	45.9	36.2	54.2





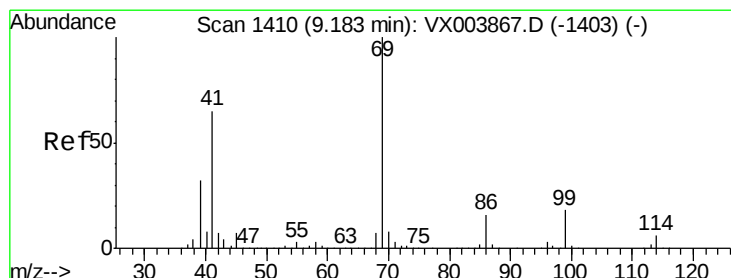
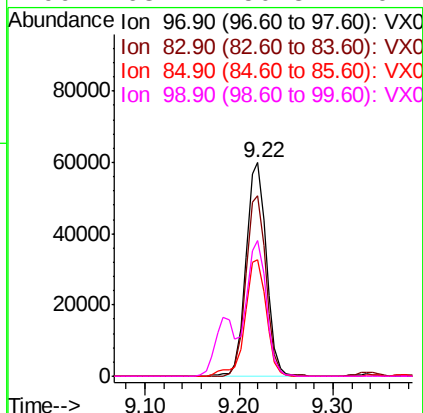
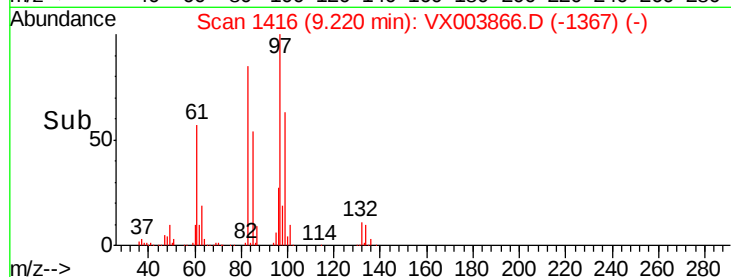
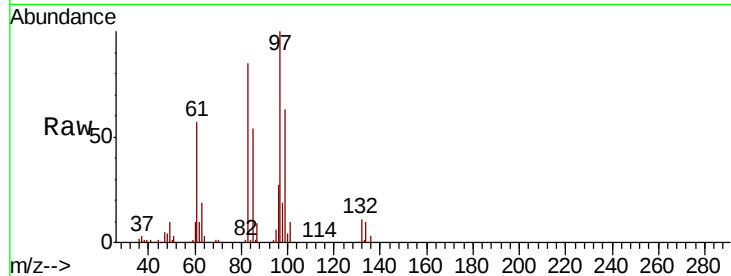
#55
 1,1,2-Trichloroethane
 Concen: 19.49 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003866.D
 Acq: 06 Aug 2018 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	90501
Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.8	101.6
85	54.3	44.2	66.2
99	63.4	50.8	76.2

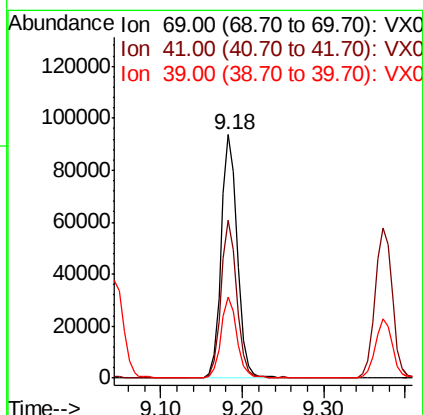
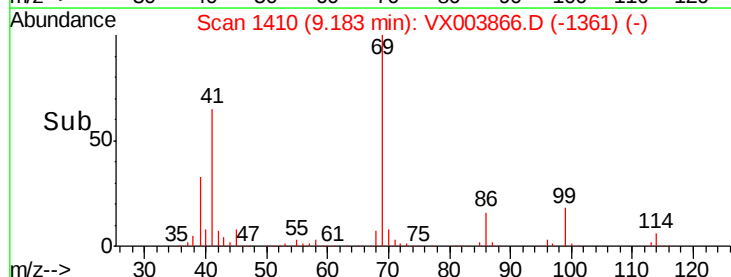
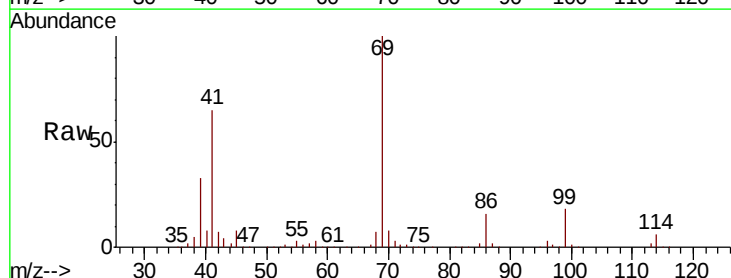
Manual Integrations
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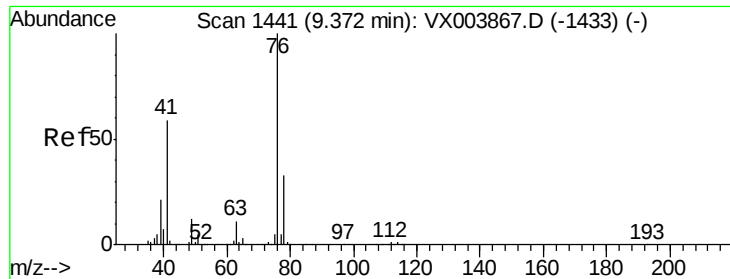
MMDadoda
 8/7/2018 1:12:50 PM



#56
 Ethyl methacrylate
 Concen: 19.94 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003866.D
 Acq: 06 Aug 2018 17:20

Tgt Ion:	69	Resp:	129772
Ion	Ratio	Lower	Upper
69	100		
41	63.0	50.6	76.0
39	32.7	25.8	38.6





#57

1,3-Dichloropropane

Concen: 20.27 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 152864

Ion Ratio Lower Upper

76 100

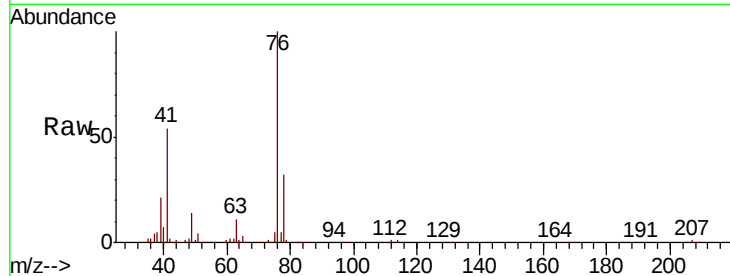
78 31.5 25.9 38.9

Manual Integrations

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MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

120000

100000

80000

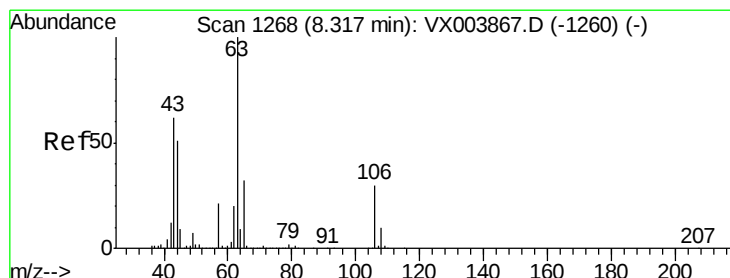
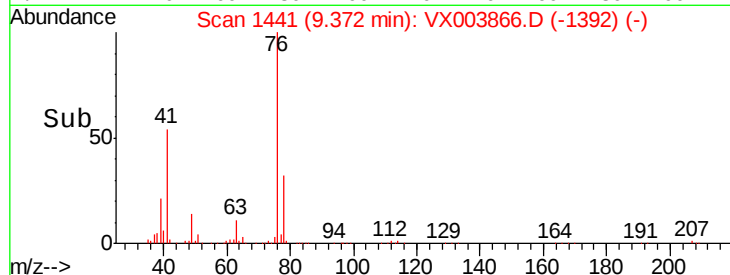
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 102.28 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003866.D

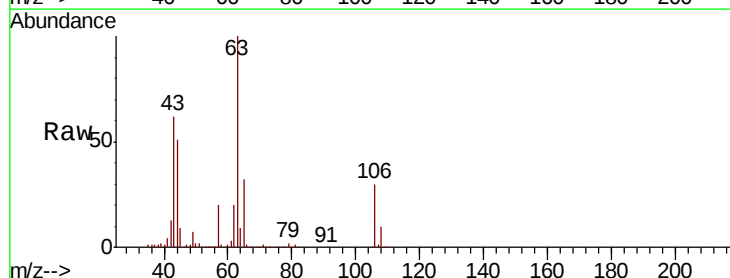
Acq: 06 Aug 2018 17:20

Tgt Ion: 63 Resp: 339995

Ion Ratio Lower Upper

63 100

106 29.9 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

250000

200000

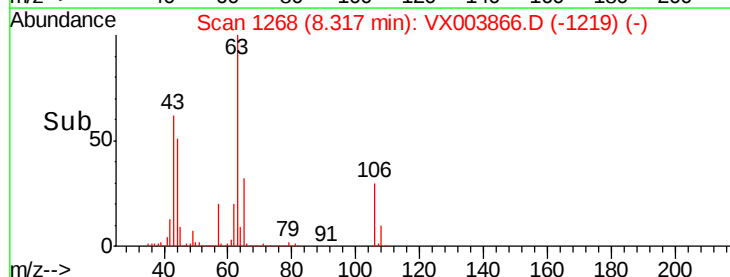
150000

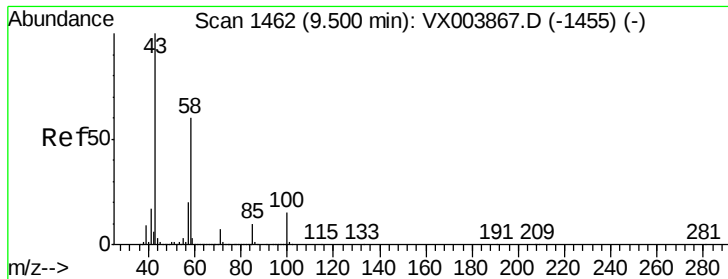
100000

50000

0

Time-->





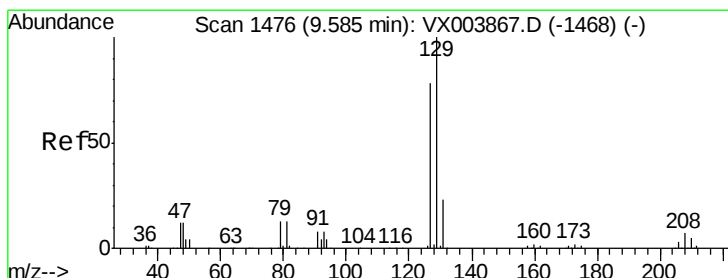
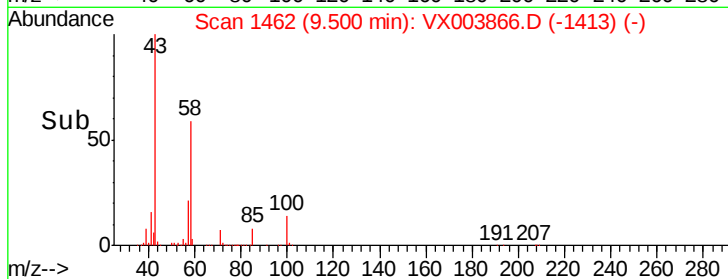
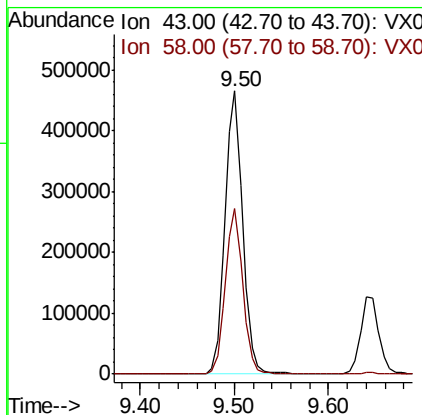
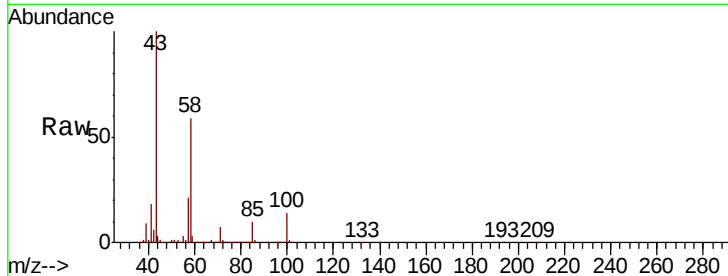
#59
2-Hexanone
Concen: 95.82 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.0	29.0	87.0

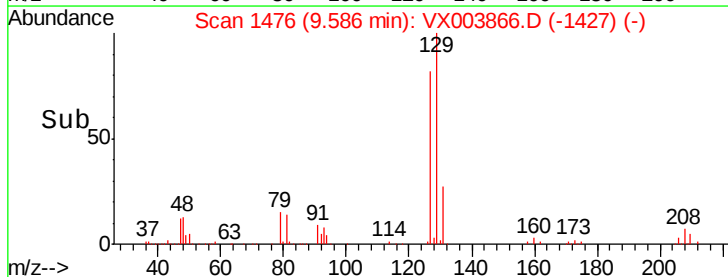
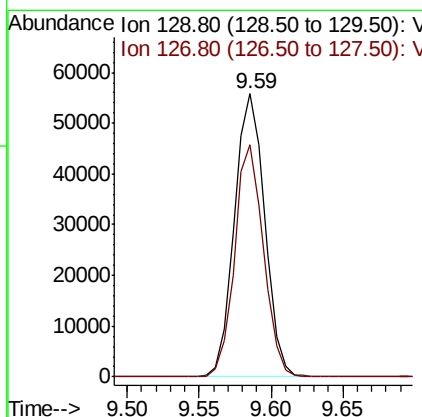
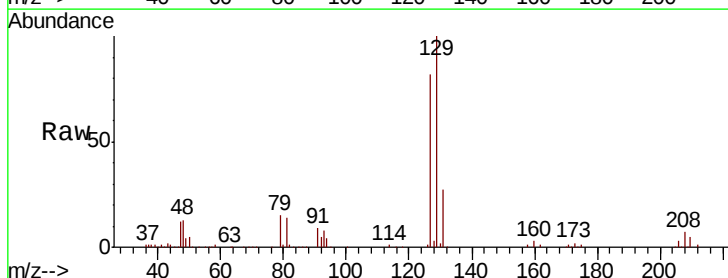
Manual Integrations
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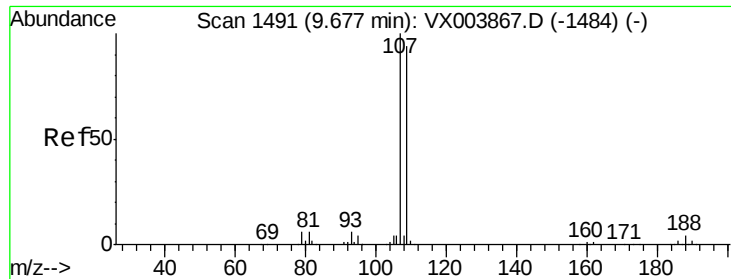
MMDadoda
8/7/2018 1:12:50 PM



#60
Dibromochloromethane
Concen: 18.15 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.8	116.3





#61

1,2-Dibromoethane

Concen: 18.57 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 87845

Ion Ratio Lower Upper

107 100

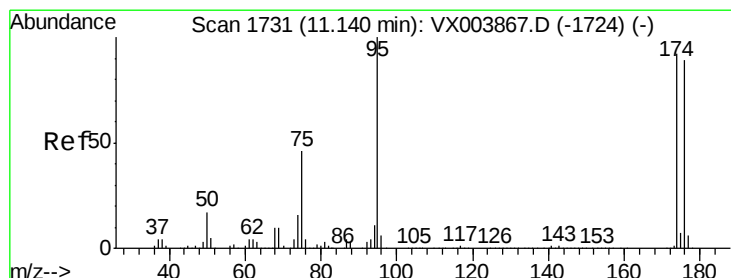
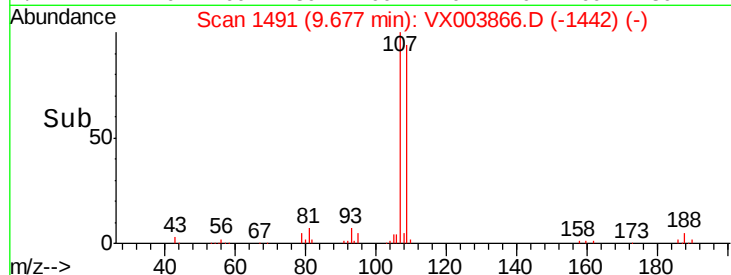
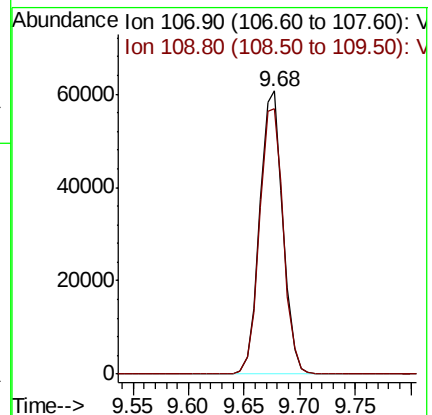
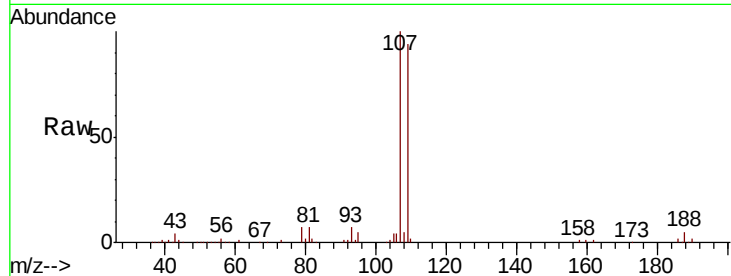
109 96.9 75.8 113.8

Manual Integrations

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8/7/2018 1:12:50 PM



#62

4-Bromofluorobenzene

Concen: 16.28 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

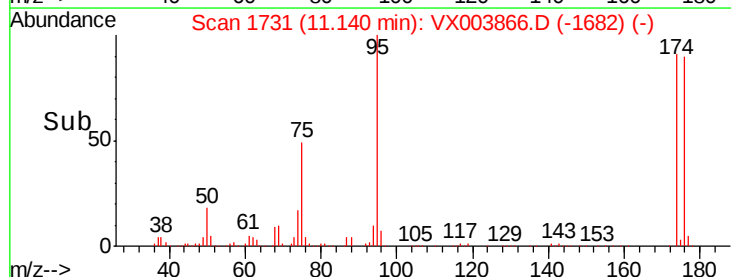
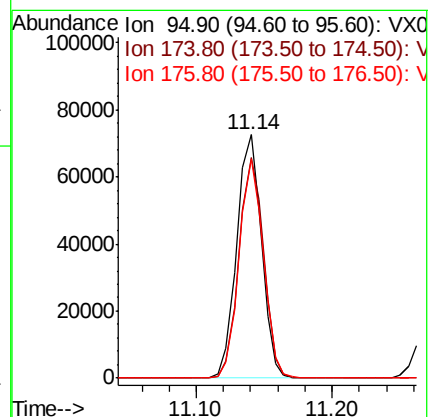
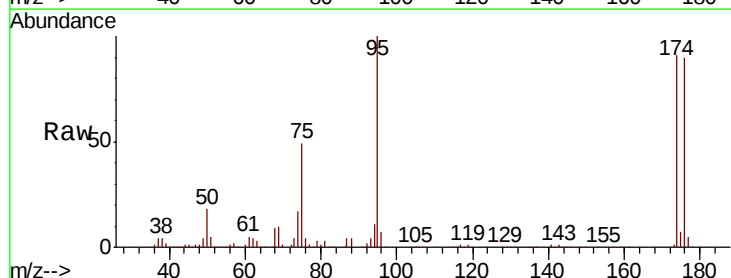
Tgt Ion: 95 Resp: 91972

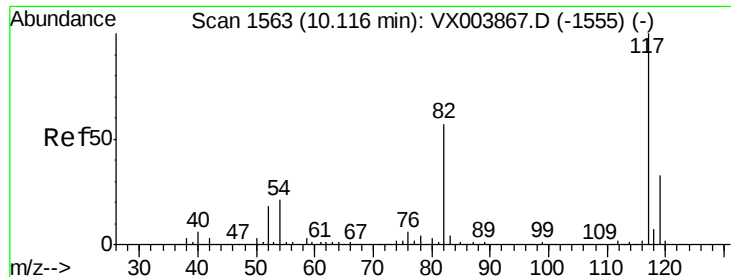
Ion Ratio Lower Upper

95 100

174 90.6 0.0 182.8

176 88.5 0.0 179.0





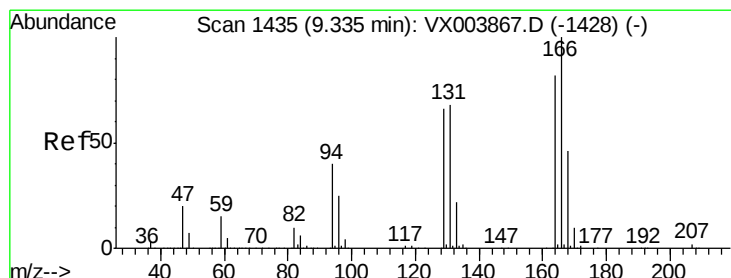
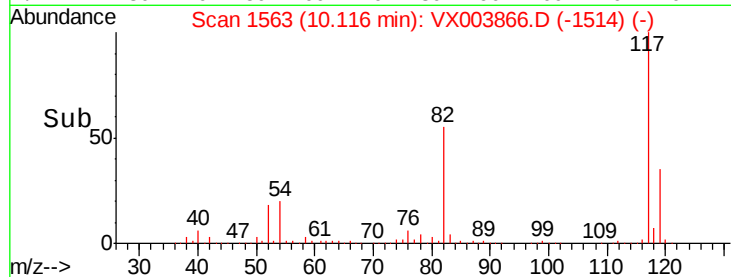
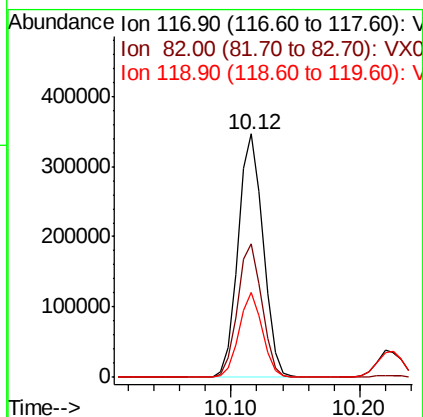
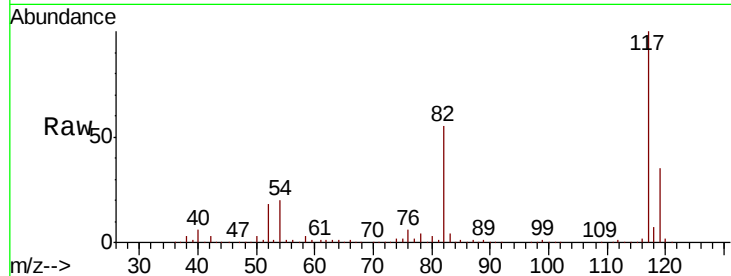
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	45.4	68.0
119	34.7	26.6	40.0

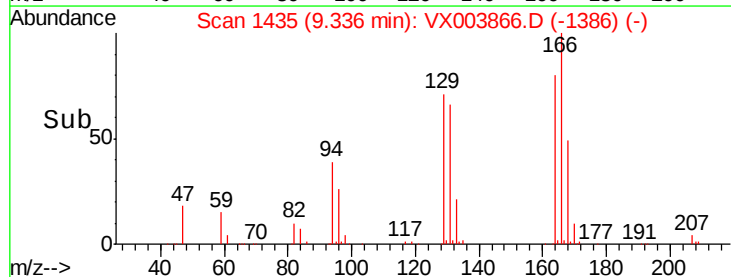
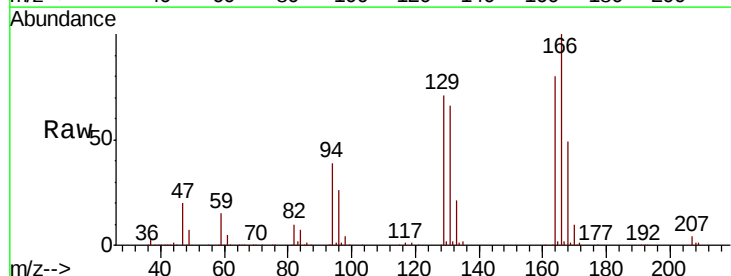
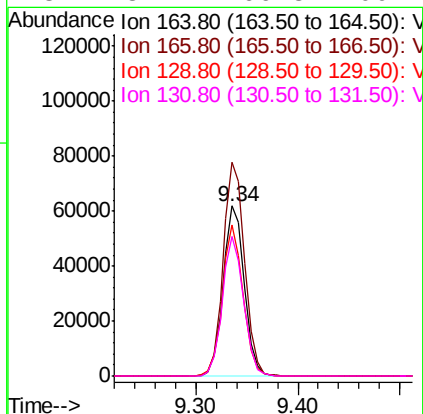
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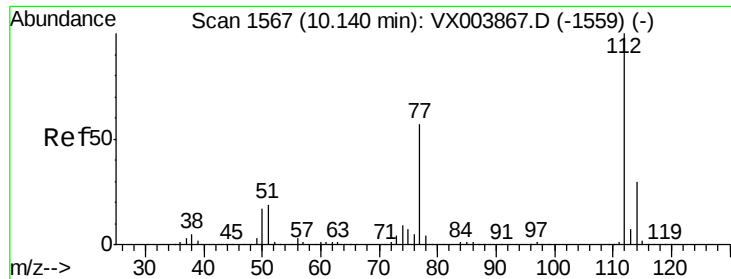
MMDadoda
8/7/2018 1:12:50 PM



#64
Tetrachloroethene
Concen: 20.63 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	98.0	147.0
129	89.3	64.3	96.5
131	82.4	66.8	100.2





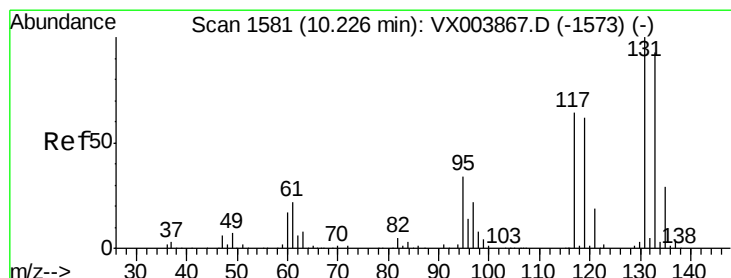
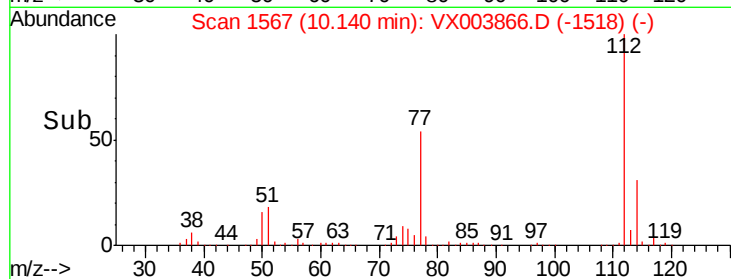
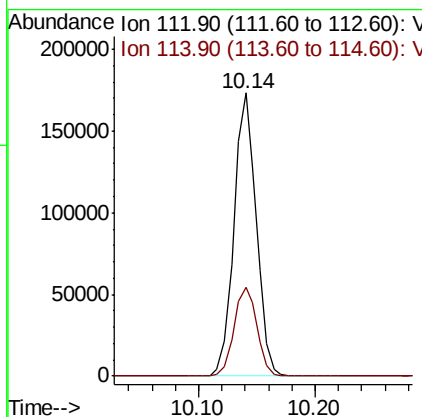
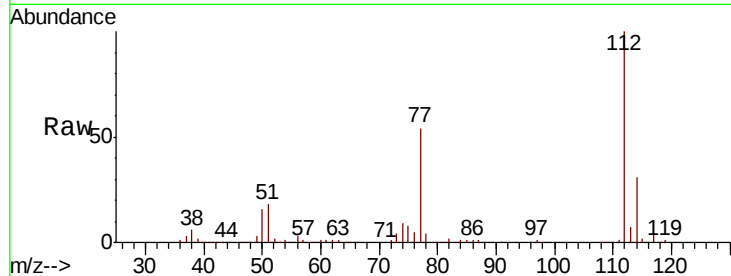
#65
Chlorobenzene
Concen: 19.89 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	23.6	35.4

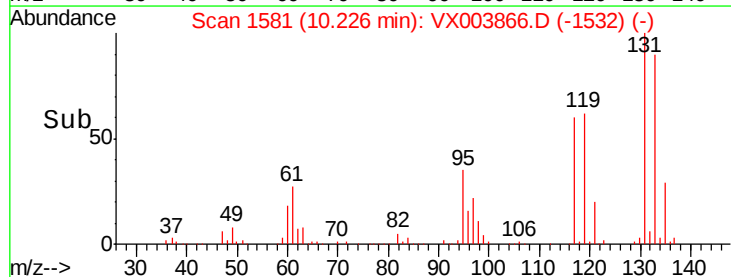
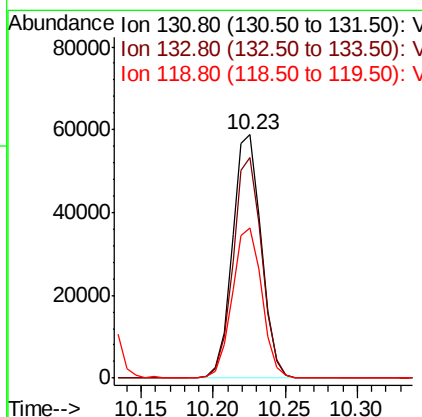
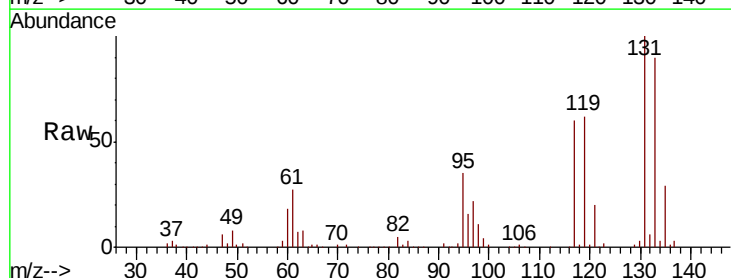
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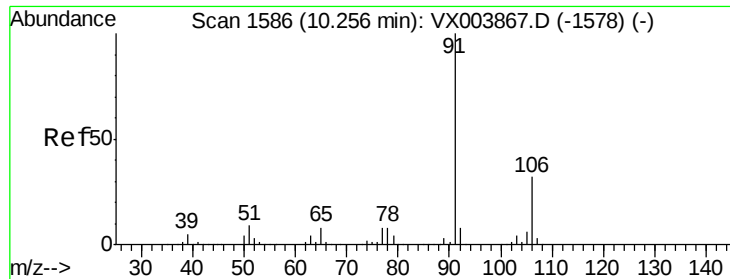
MMDadoda
8/7/2018 1:12:50 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.23 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Tgt Ion	Ratio	Lower	Upper
131	100		
133	90.1	47.3	141.8
119	63.4	31.6	94.8





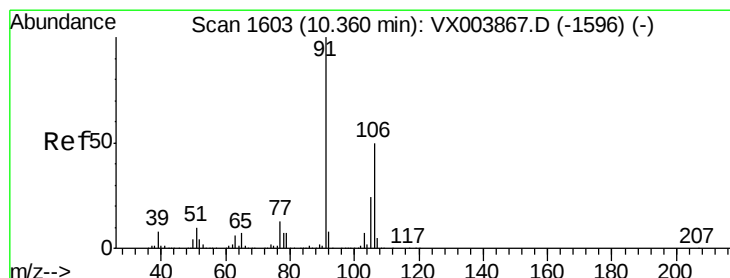
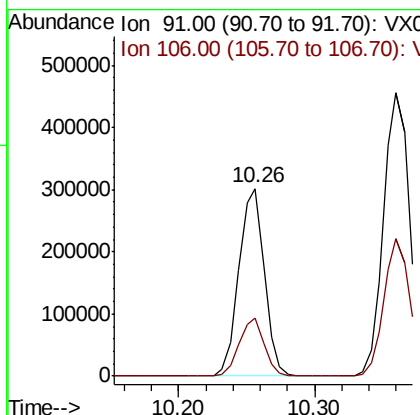
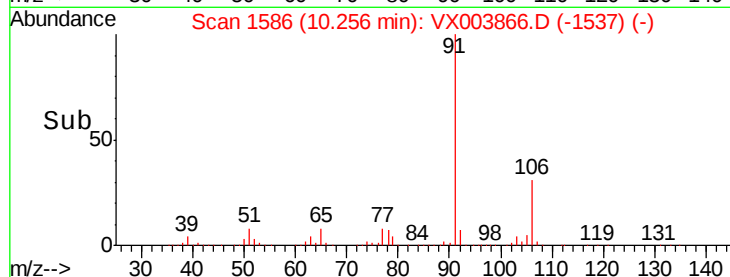
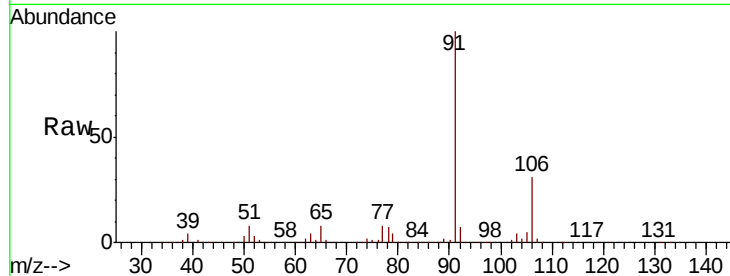
#67
Ethyl Benzene
Concen: 21.18 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 394972
Ion Ratio Lower Upper
91 100
106 30.7 25.9 38.9

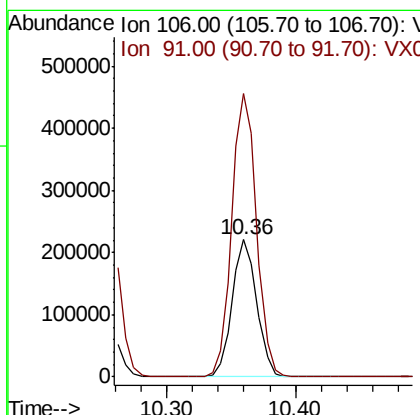
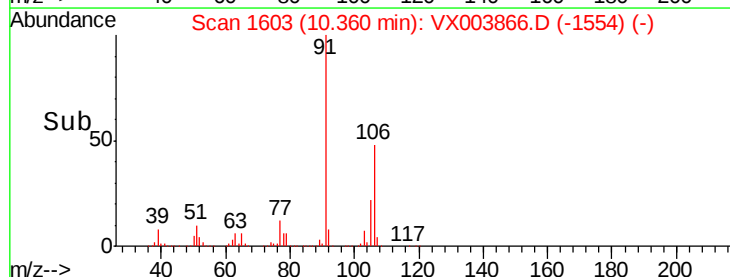
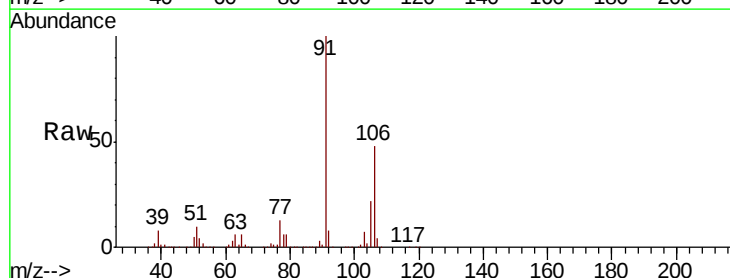
Manual Integrations
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8/7/2018 1:12:50 PM



#68
m/p-Xylenes
Concen: 40.43 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Tgt Ion: 106 Resp: 293970
Ion Ratio Lower Upper
106 100
91 208.6 162.3 243.5





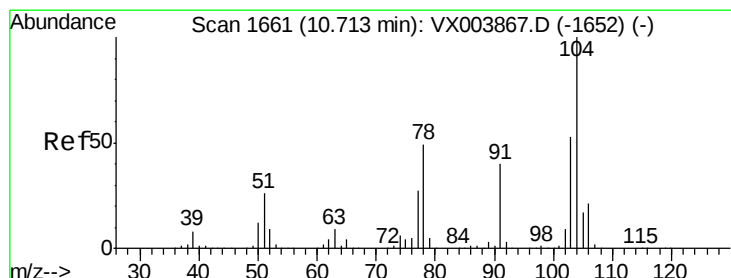
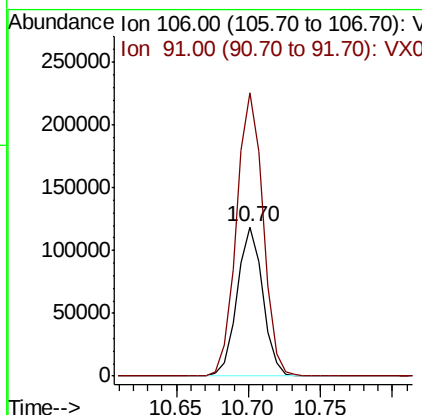
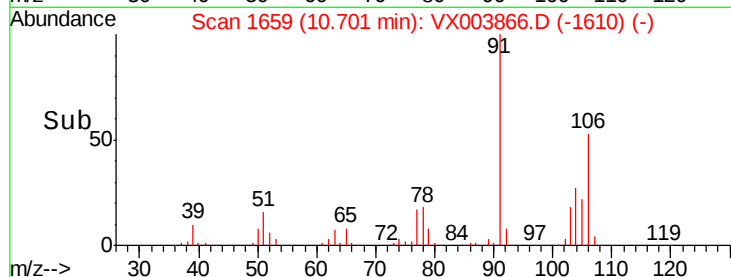
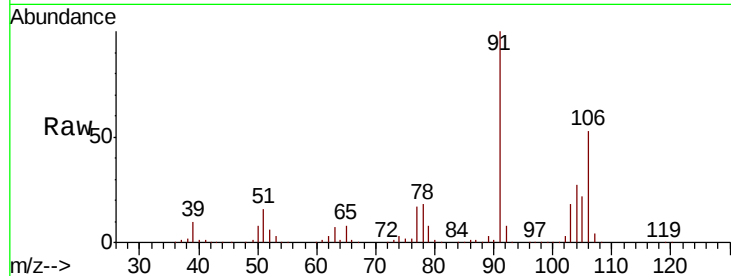
#69
o-Xylene
Concen: 21.13 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	197.5	101.9	305.7

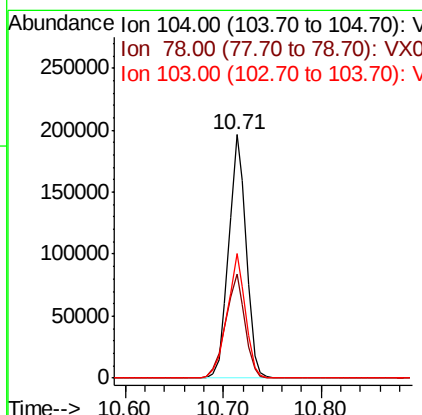
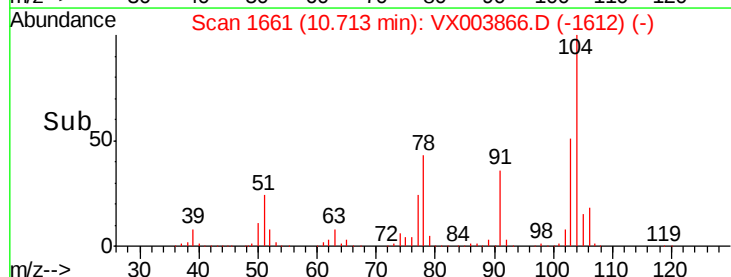
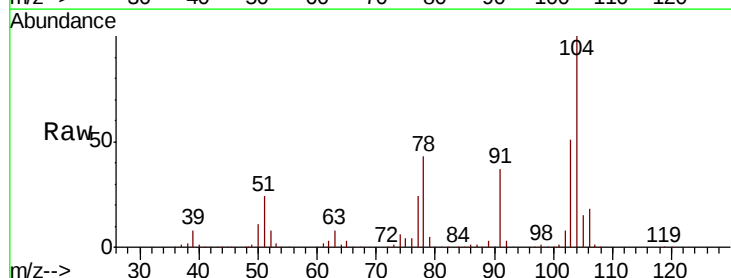
Manual Integrations
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8/7/2018 1:12:50 PM



#70
Styrene
Concen: 21.27 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.3	39.8	59.6
103	53.5	44.3	66.5





#71

Bromoform

Concen: 17.35 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Instrument :

MSVOA_X

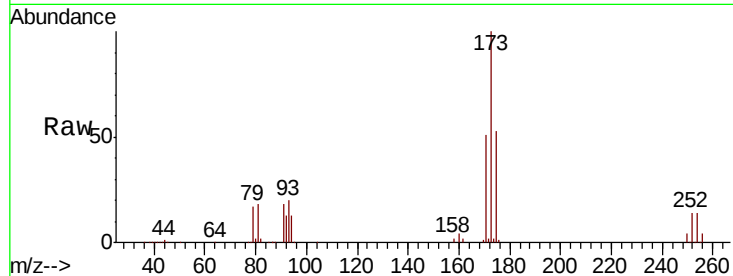
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.9	74.7
254	0.2	0.2	0.2

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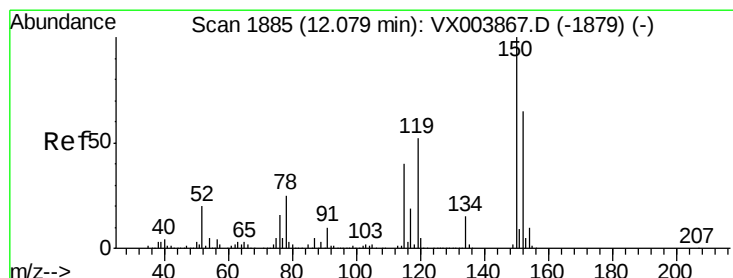
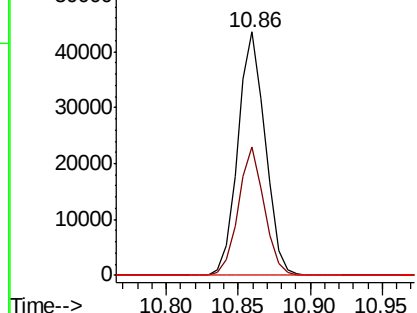
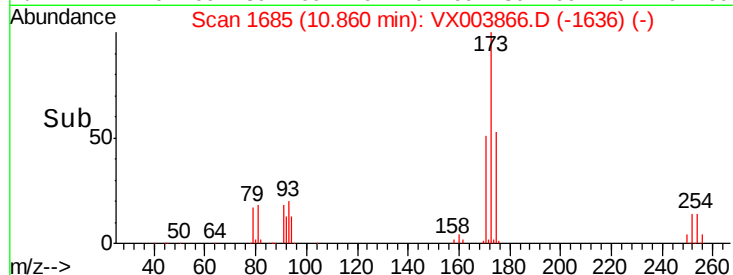


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

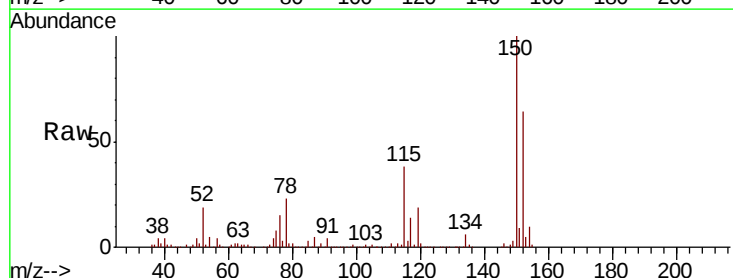
RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.1	39.1	117.3
150	164.2	0.0	349.2

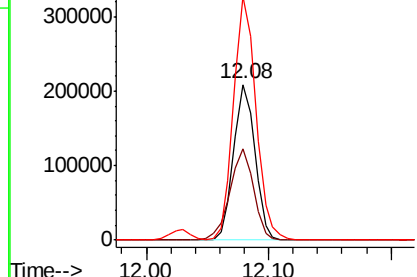
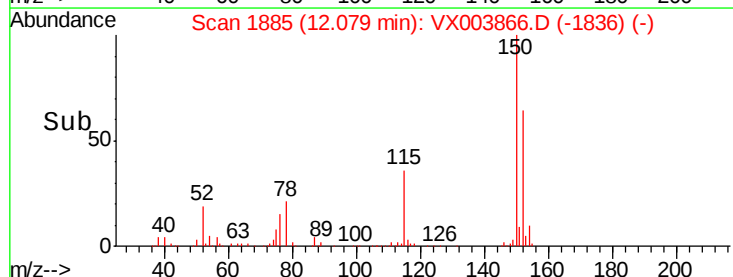


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





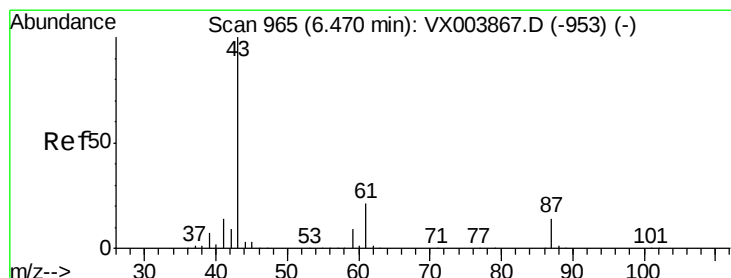
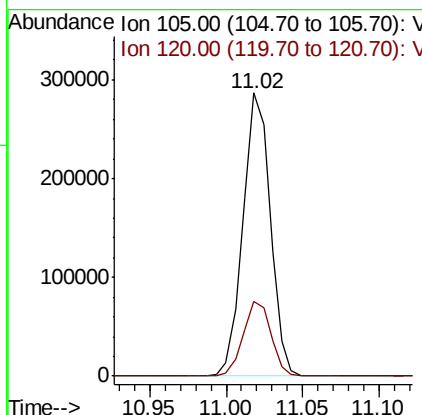
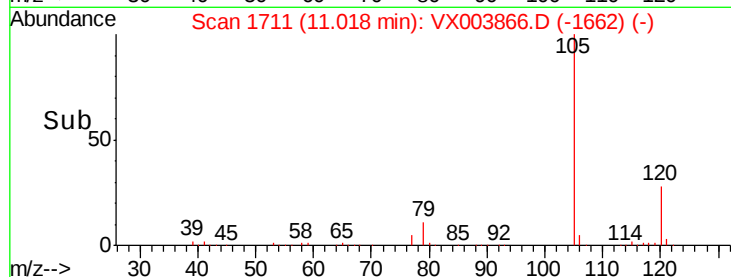
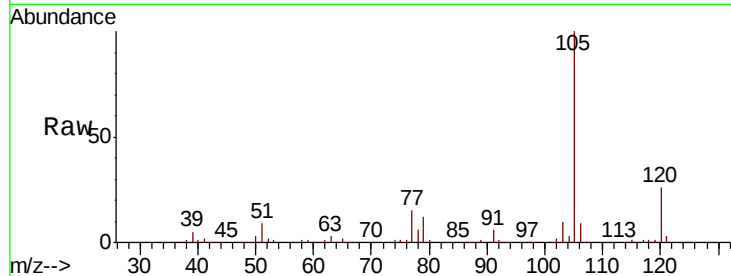
#73
Isopropylbenzene
Concen: 21.27 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	12.6	37.8

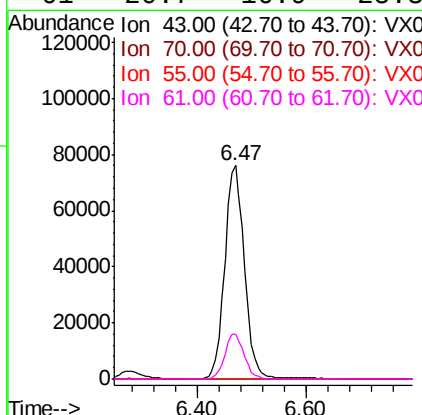
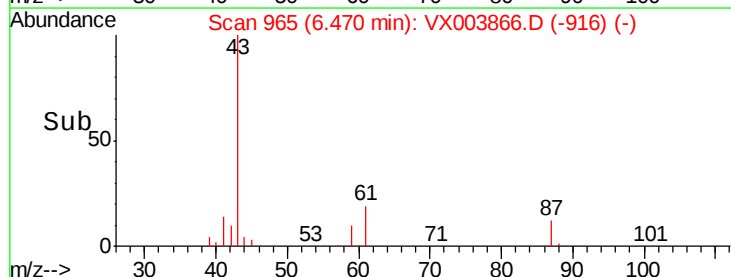
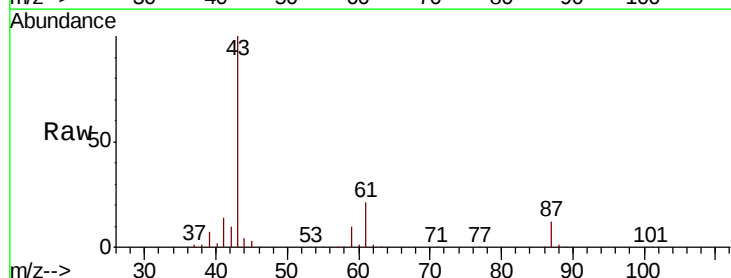
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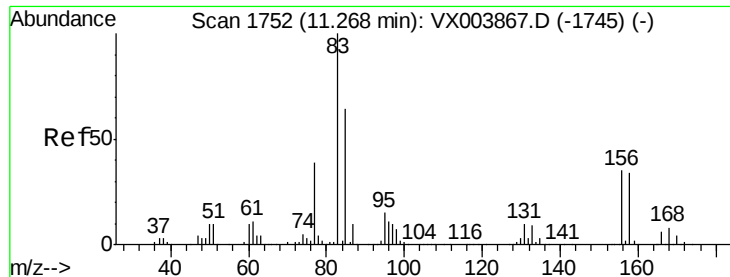
MMDadoda
8/7/2018 1:12:50 PM



#74
N-ethyl acetate
Concen: 23.28 ug/l
RT: 6.47 min Scan# 965
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.1	0.1	0.1#
61	20.7	16.9	25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.56 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 120838

Ion Ratio Lower Upper

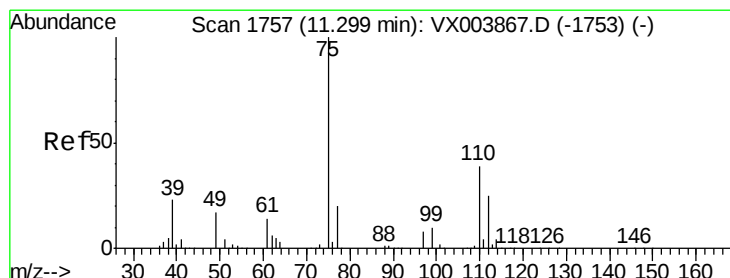
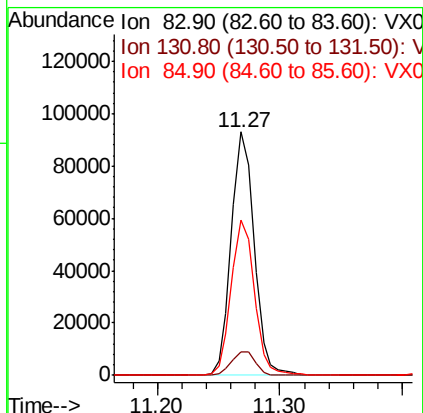
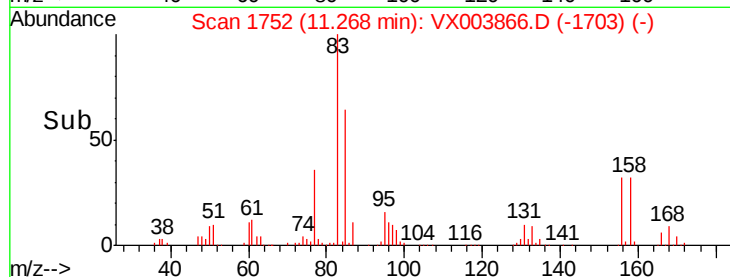
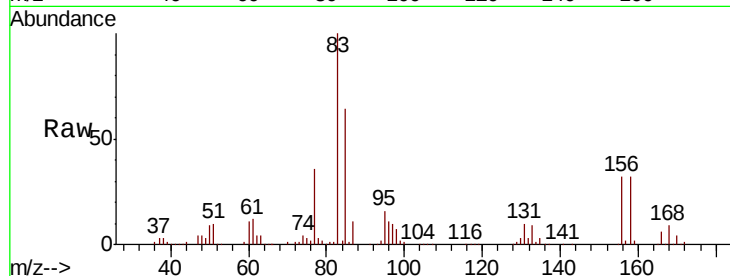
83 100

131 10.2 5.2 15.6

85 64.7 32.2 96.6

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8/7/2018 1:12:50 PM



#76

1,2,3-Trichloropropane

Concen: 21.38 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003866.D

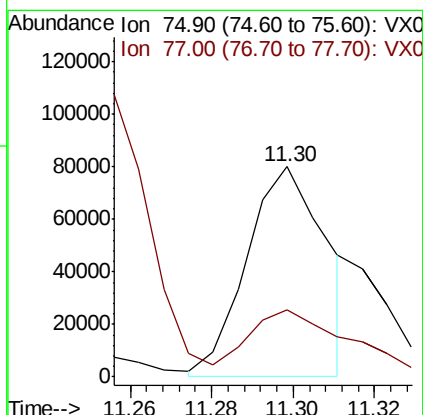
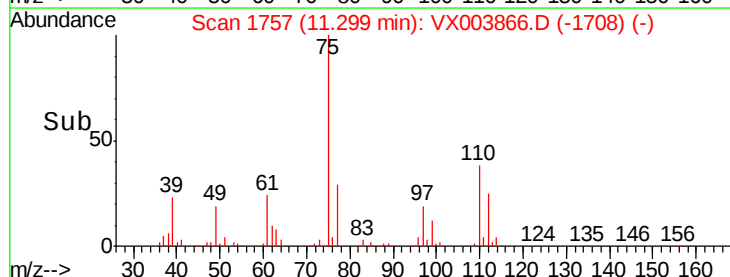
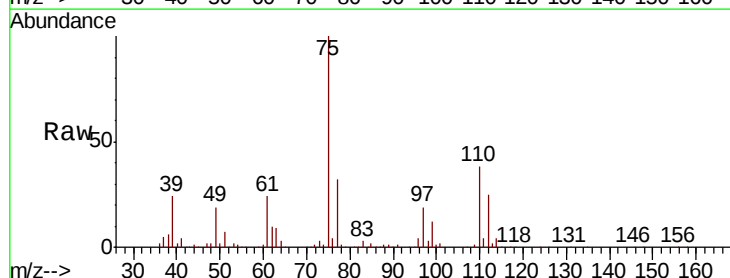
Acq: 06 Aug 2018 17:20

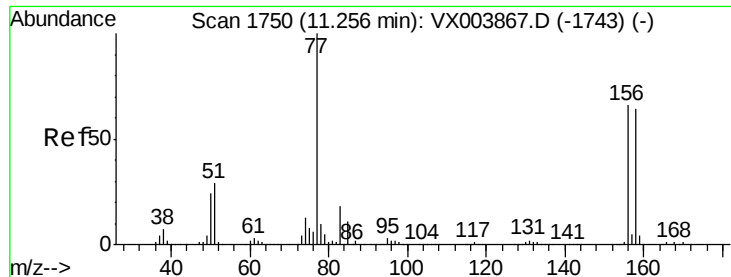
Tgt Ion: 75 Resp: 108887

Ion Ratio Lower Upper

75 100

77 40.9 20.8 62.5





#77

Bromobenzene

Concen: 20.39 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Instrument :

MSVOA_X

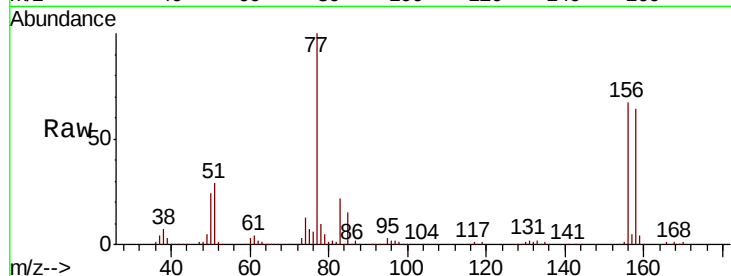
ClientSampled :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	147.5	74.1	222.2
158	96.8	48.6	145.9

Manual Integrations
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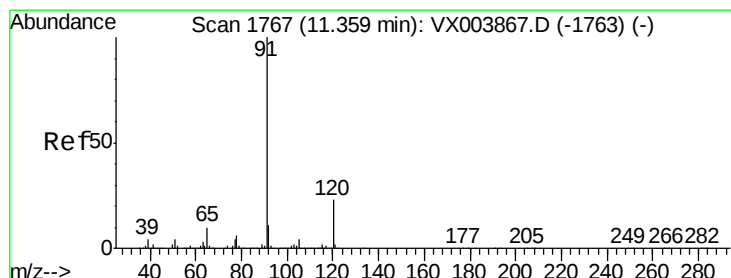
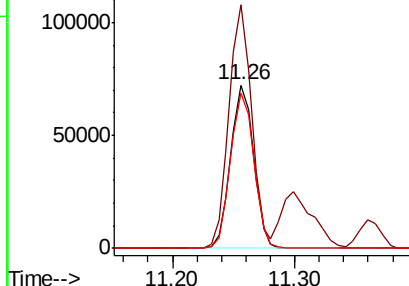
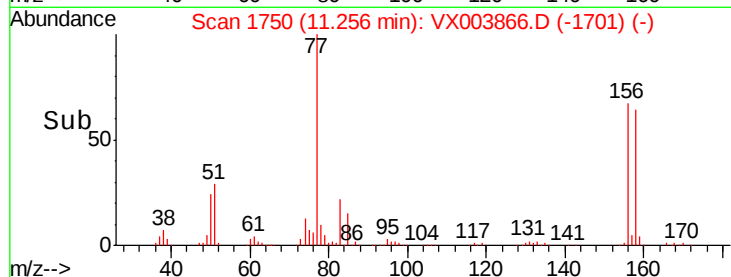


Abundance

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: 21.91 ug/l

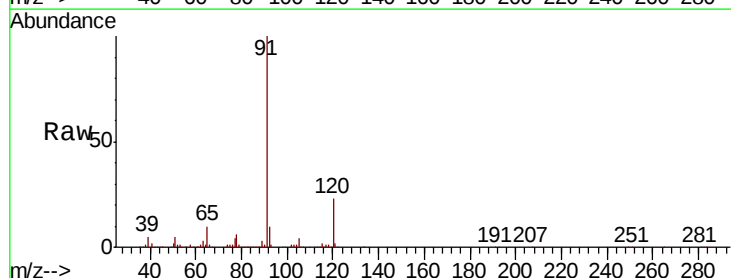
RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

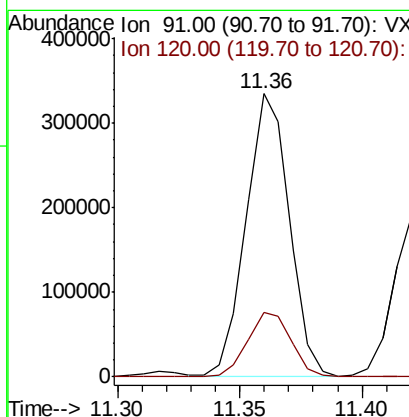
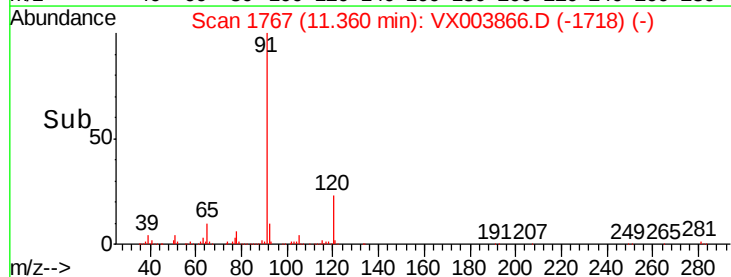
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.9	35.5

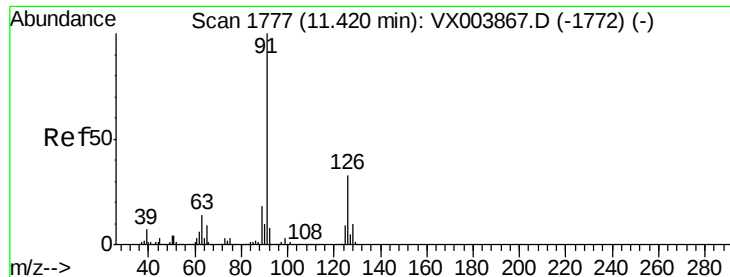


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.27 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 242728

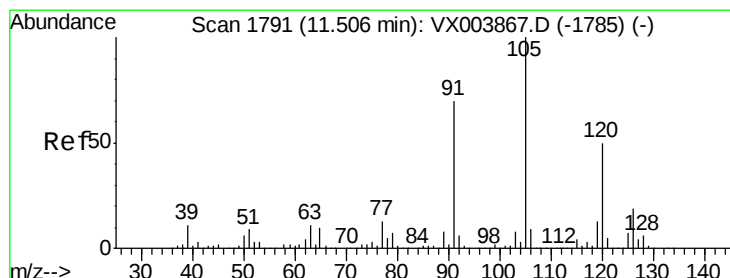
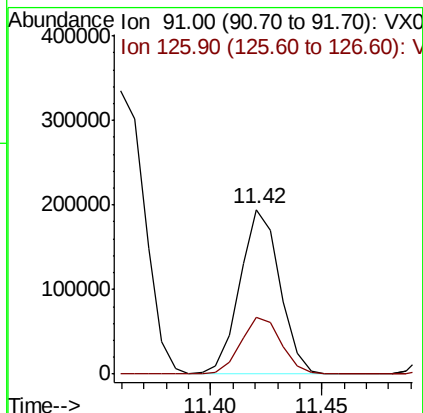
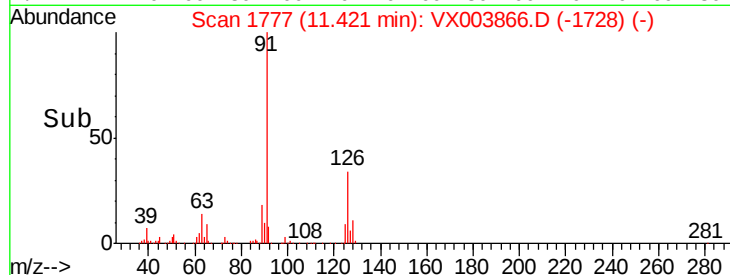
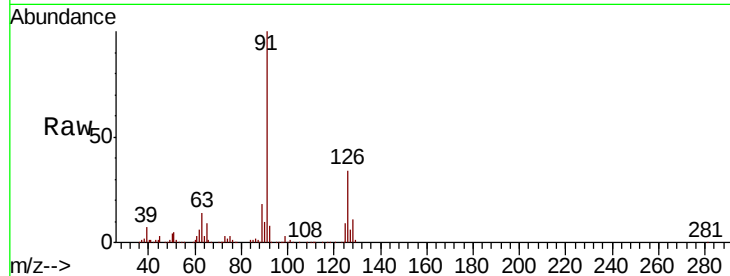
Ion Ratio Lower Upper

91 100

126 35.4 17.4 52.3

Manual Integrations
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8/7/2018 1:12:50 PM



#80

1,3,5-Trimethylbenzene

Concen: 21.50 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003866.D

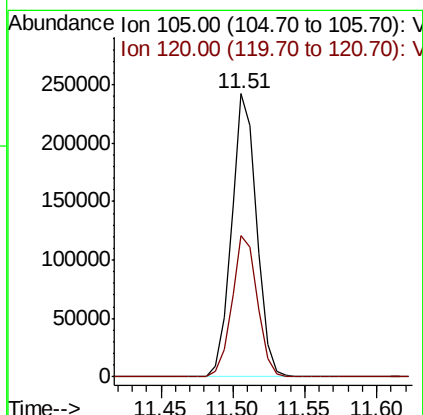
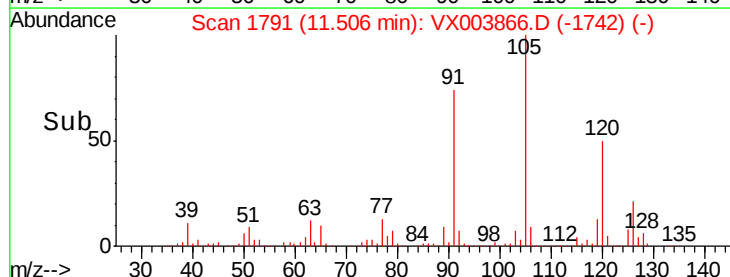
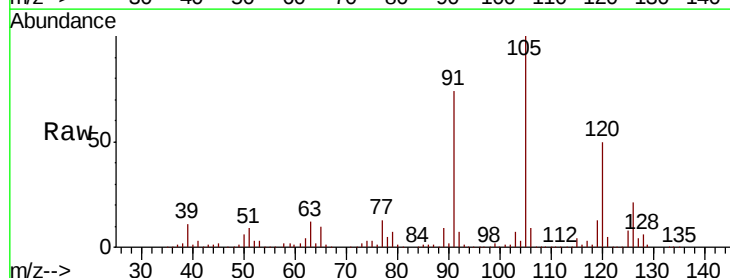
Acq: 06 Aug 2018 17:20

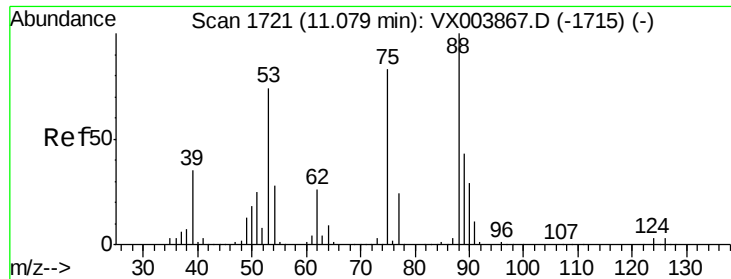
Tgt Ion: 105 Resp: 294582

Ion Ratio Lower Upper

105 100

120 50.8 25.4 76.2





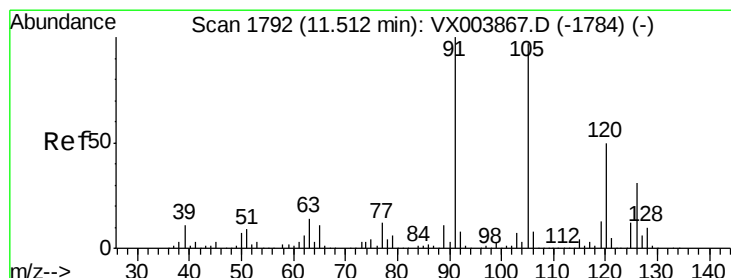
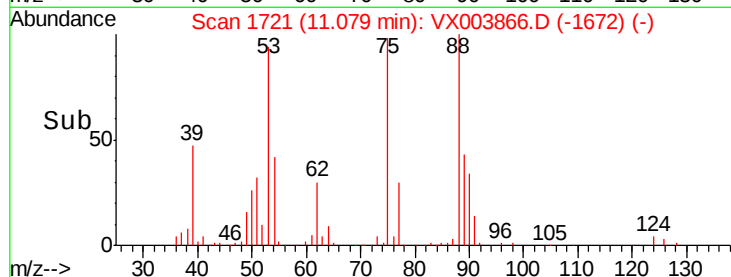
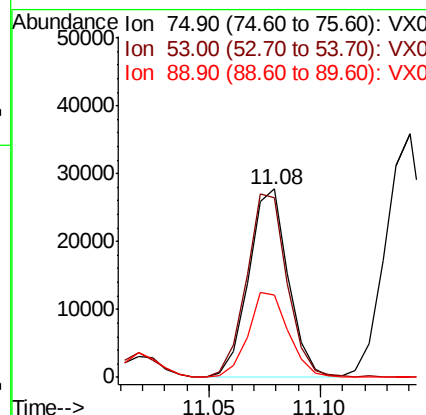
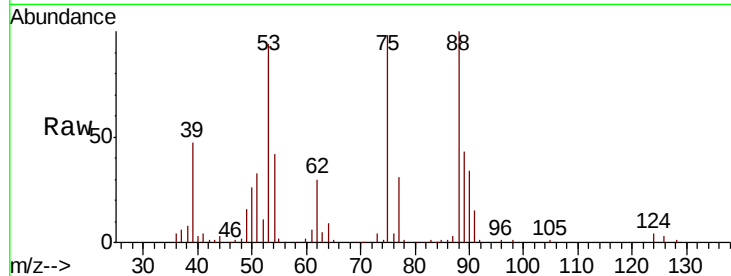
#81
trans-1,4-Dichloro-2-butene
Concen: 21.11 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.8	80.3	120.5
89	46.0	37.8	56.8

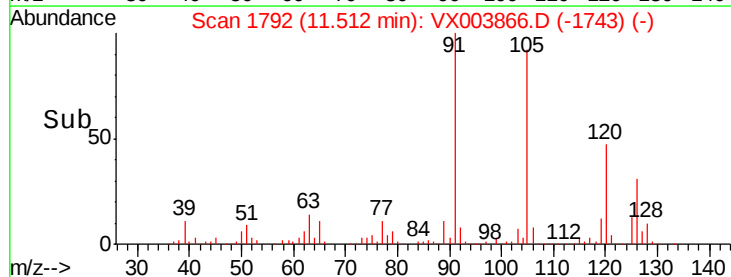
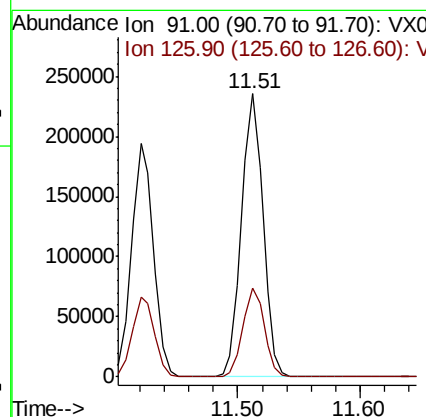
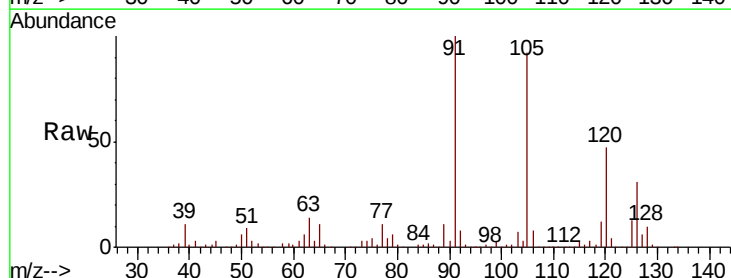
Manual Integrations
APPROVED

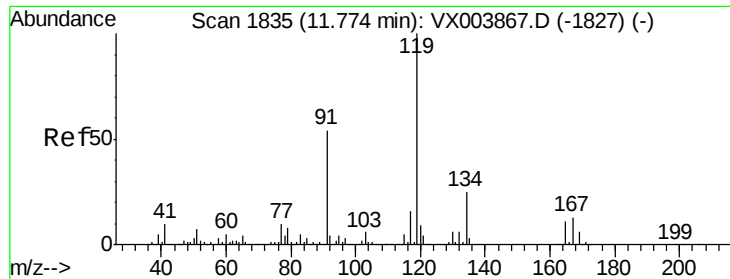
MMDadoda
8/7/2018 1:12:50 PM



#82
4-Chlorotoluene
Concen: 21.64 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.7





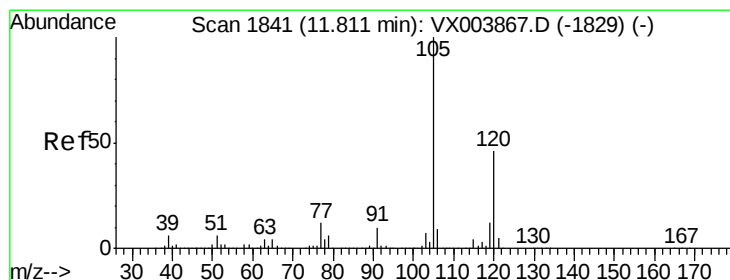
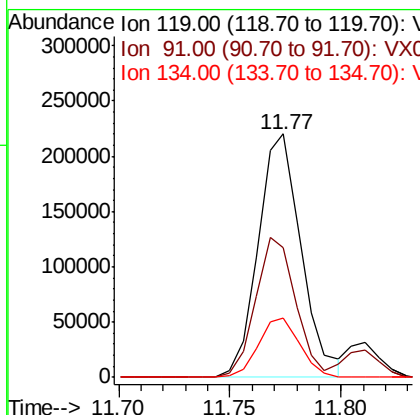
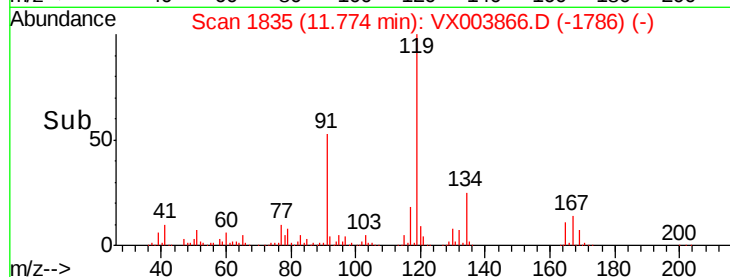
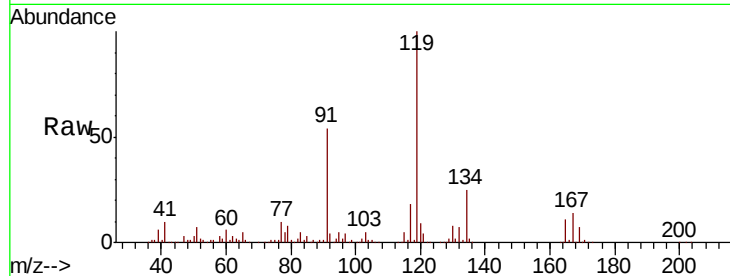
#83
tert-Butylbenzene
Concen: 21.22 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	294755		
91	54.0	26.9	80.7	
134	23.9	12.0	36.0	

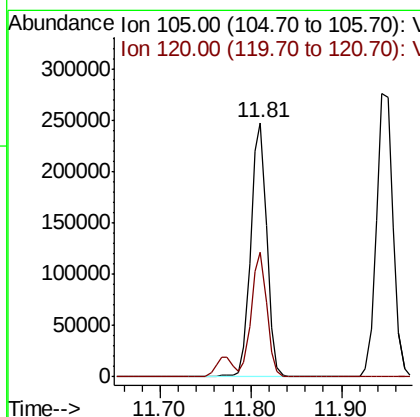
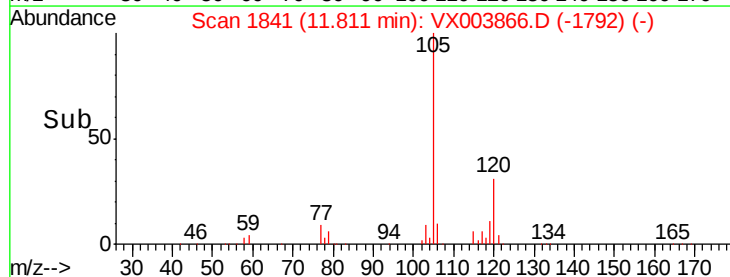
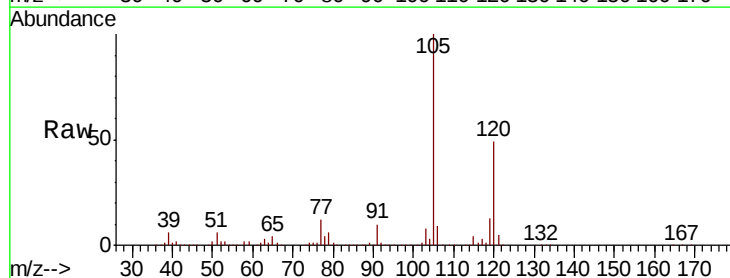
Manual Integrations
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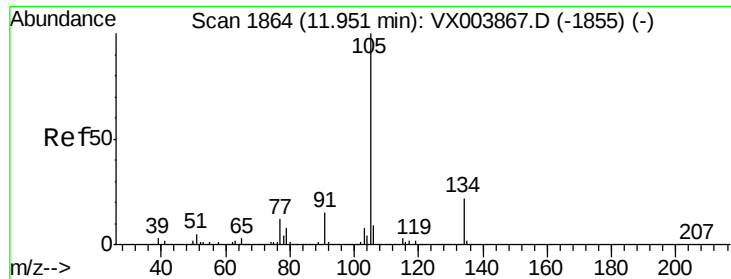
MMDadoda
8/7/2018 1:12:50 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.47 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	303363		
120	47.1	23.1	69.2	





#85

sec-Butylbenzene

Concen: 21.55 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 350030

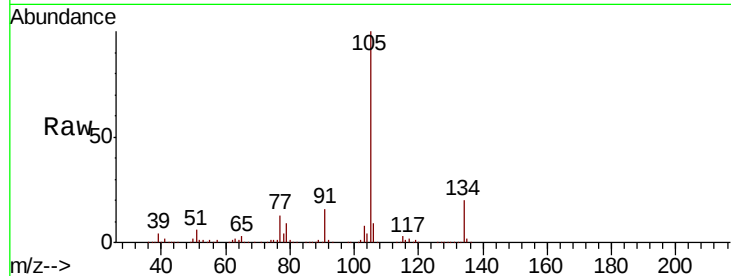
Ion Ratio Lower Upper

105 100

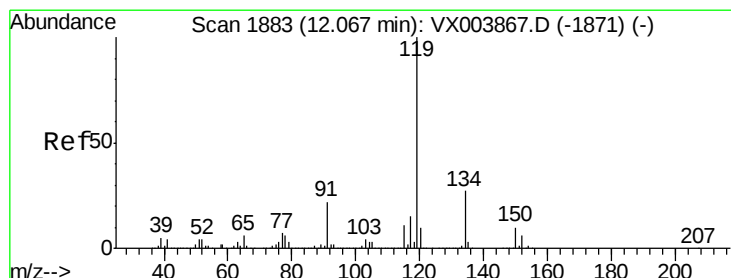
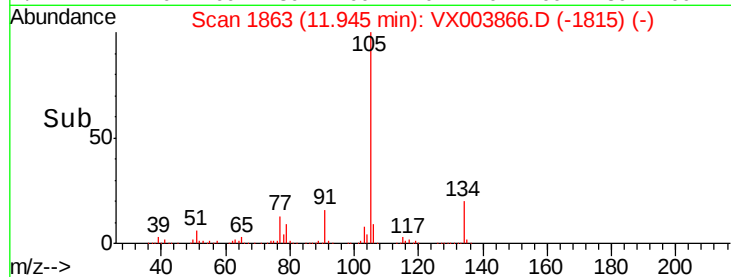
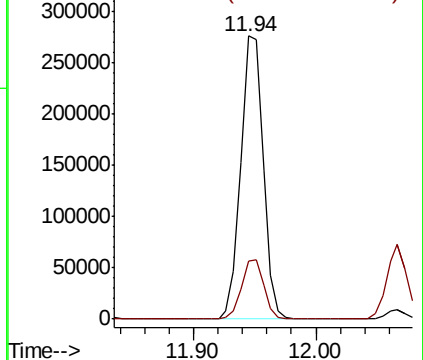
134 20.8 10.3 30.9

Manual Integrations
APPROVED

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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.56 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

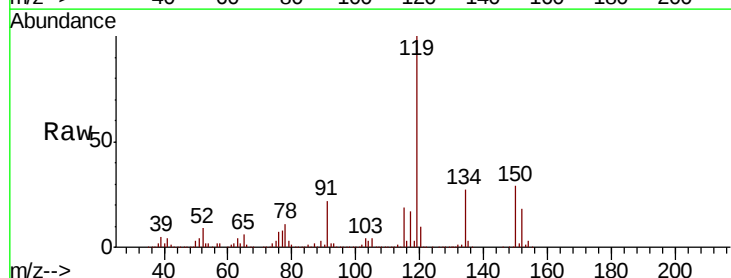
Tgt Ion:119 Resp: 315301

Ion Ratio Lower Upper

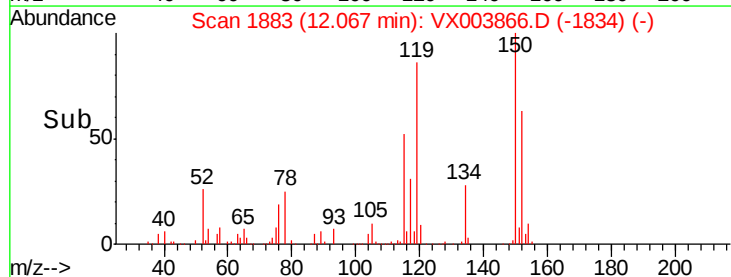
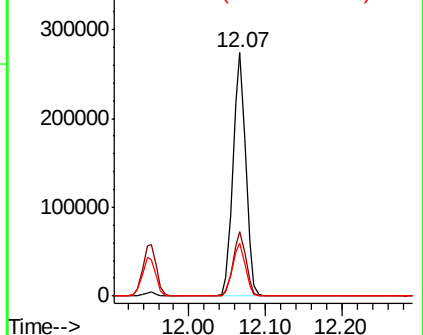
119 100

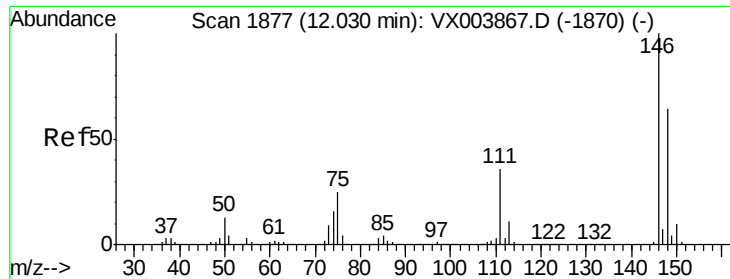
134 26.9 13.3 39.8

91 22.3 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): VX0





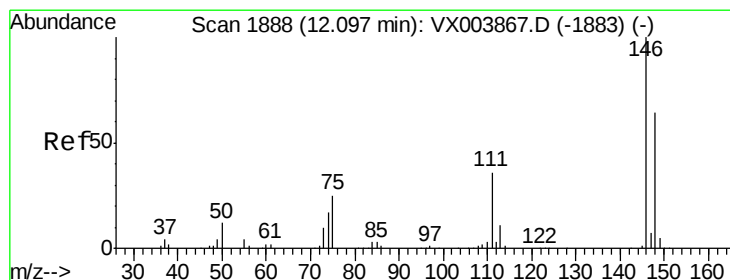
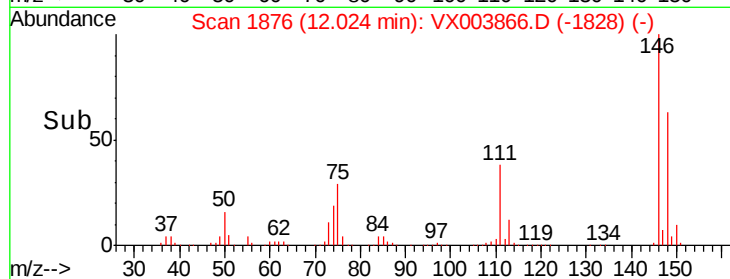
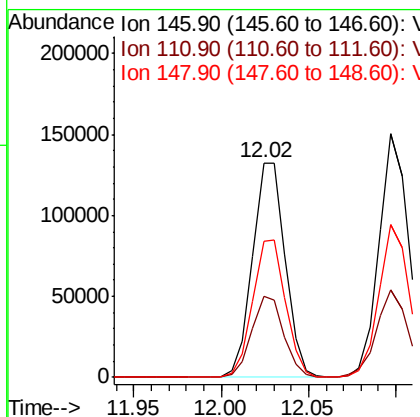
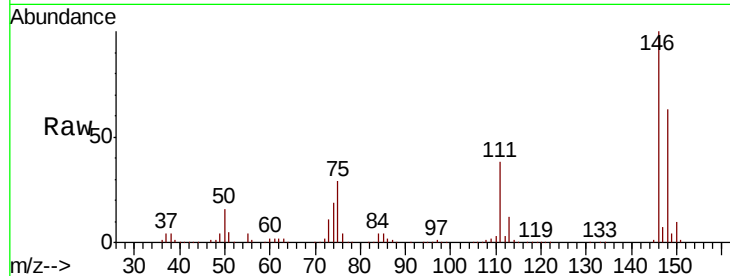
#87
 1,3-Dichlorobenzene
 Concen: 20.14 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.01 min
 Lab File: VX003866.D
 Acq: 06 Aug 2018 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.8	56.4
148	64.1	31.9	95.5

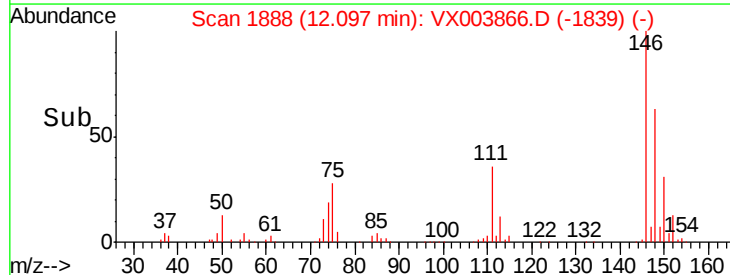
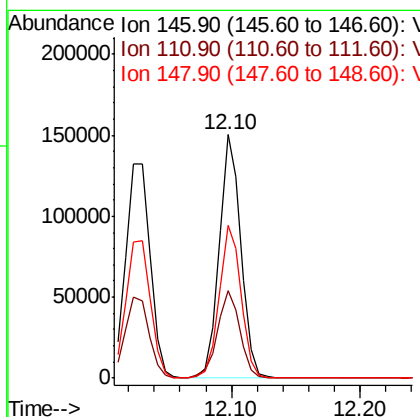
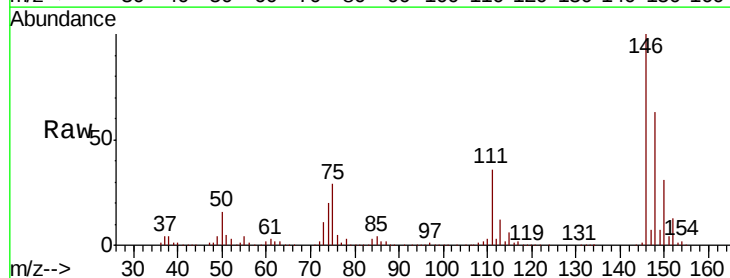
Manual Integrations
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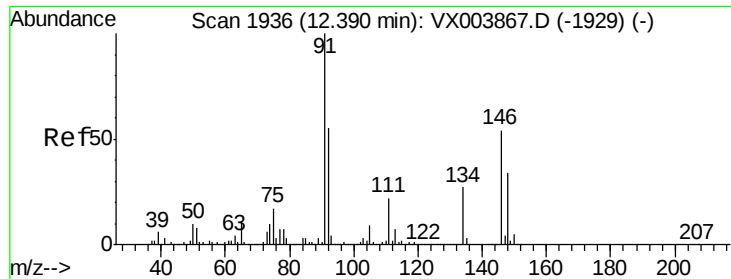
MMDadoda
 8/7/2018 1:12:50 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.09 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003866.D
 Acq: 06 Aug 2018 17:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.4	55.0
148	63.7	32.3	96.8





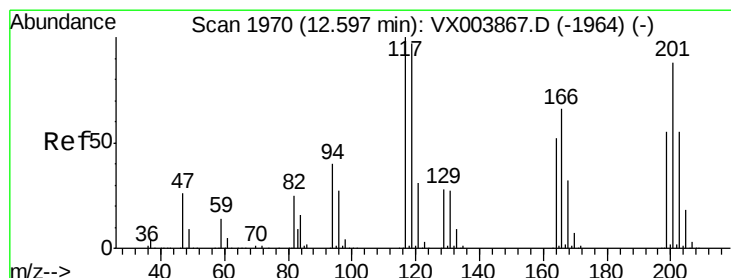
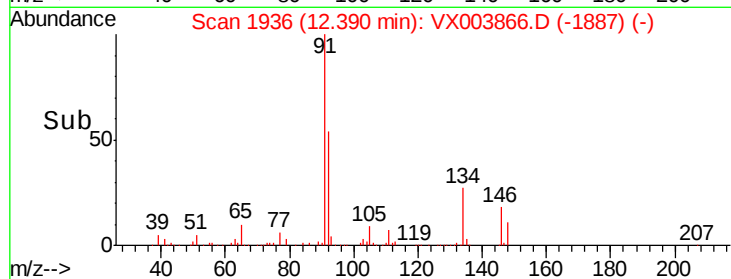
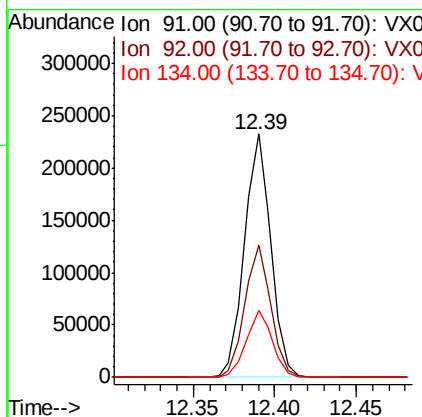
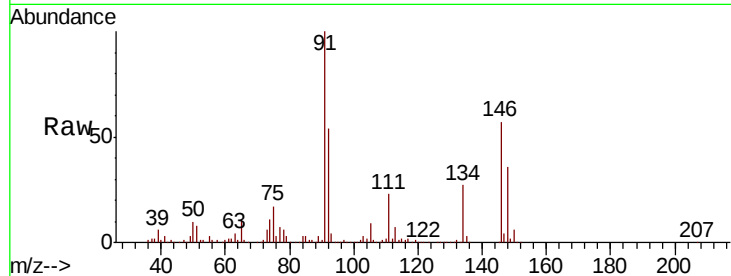
#89
n-Butylbenzene
Concen: 20.85 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.1	81.3
134	27.0	13.6	40.7

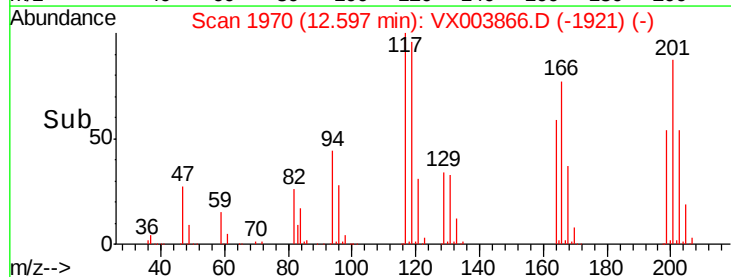
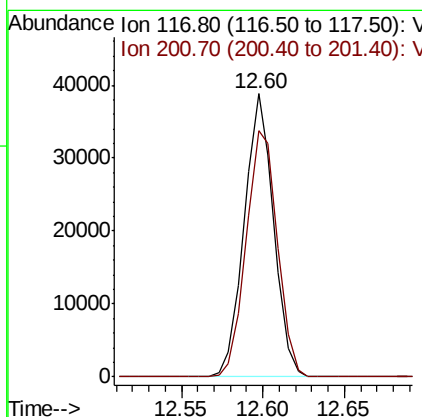
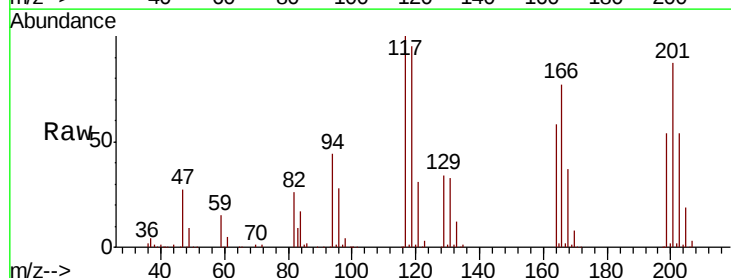
Manual Integrations
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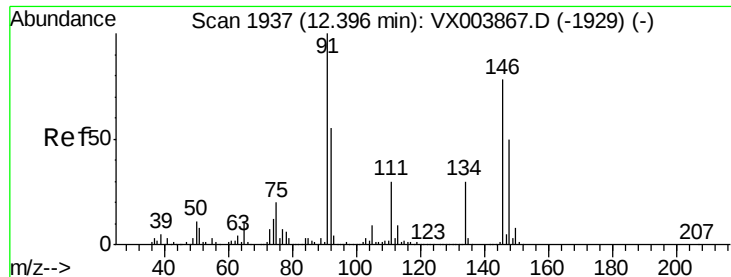
MMDadoda
8/7/2018 1:12:50 PM



#90
Hexachloroethane
Concen: 20.55 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.6	46.1	138.2





#91

1,2-Dichlorobenzene

Concen: 20.01 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:146 Resp: 174832

Ion Ratio Lower Upper

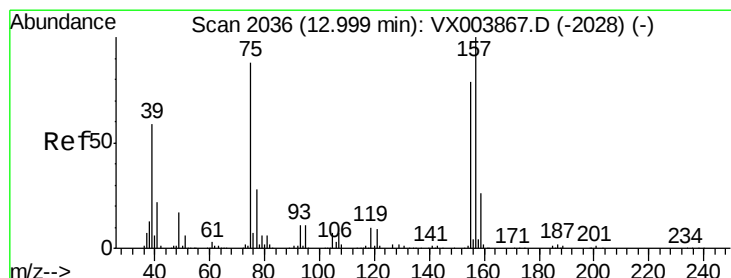
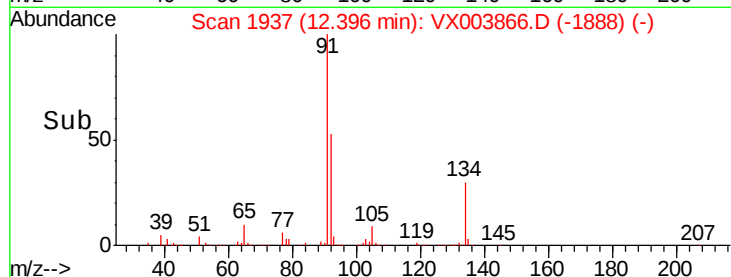
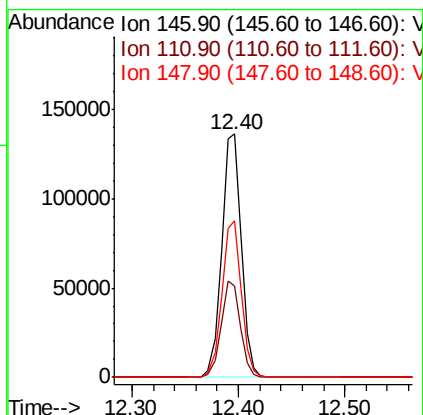
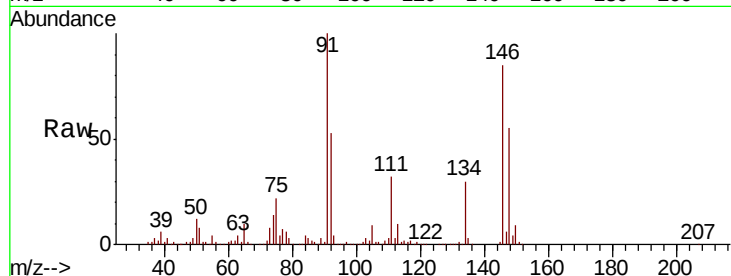
146 100

111 38.8 19.7 59.0

148 63.6 31.9 95.5

Manual Integrations
APPROVED

MMDadoda
8/7/2018 1:12:50 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.37 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VX003866.D

Acq: 06 Aug 2018 17:20

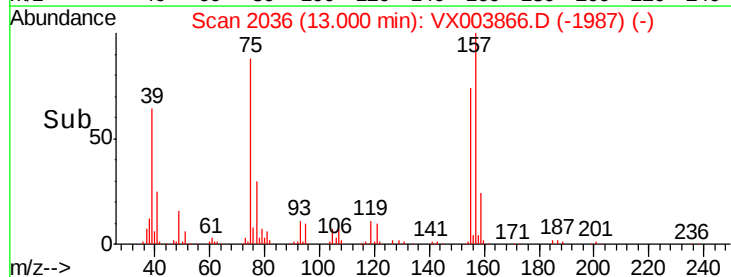
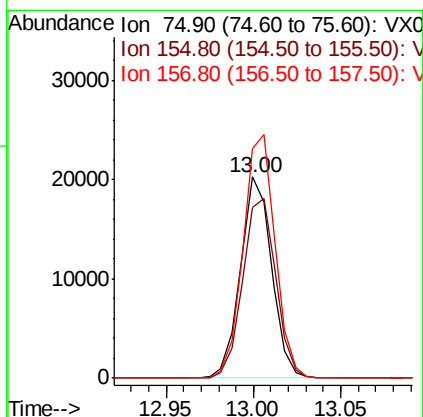
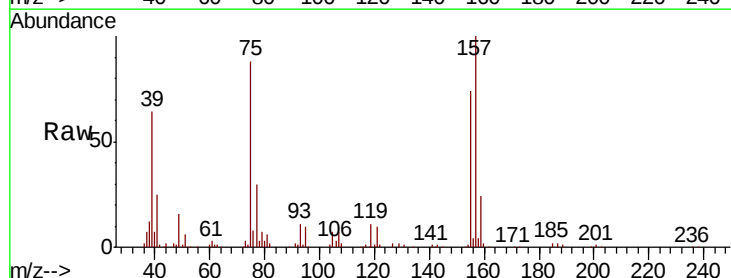
Tgt Ion: 75 Resp: 25104

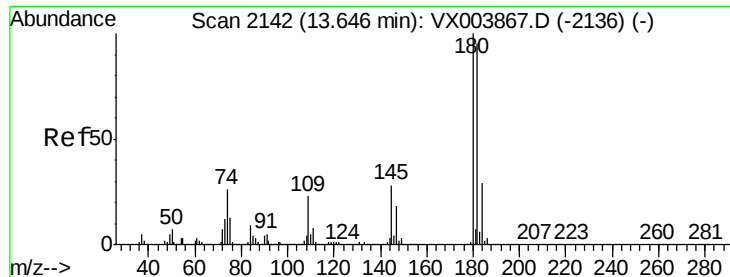
Ion Ratio Lower Upper

75 100

155 94.5 48.7 146.1

157 123.8 62.6 187.8





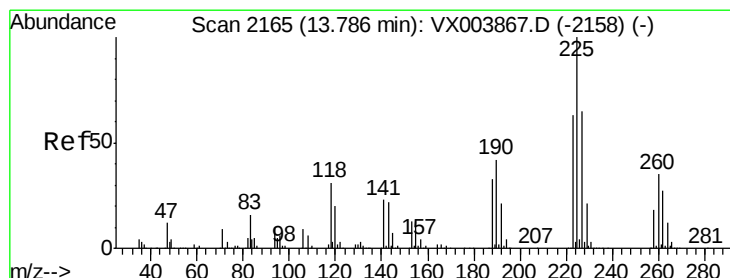
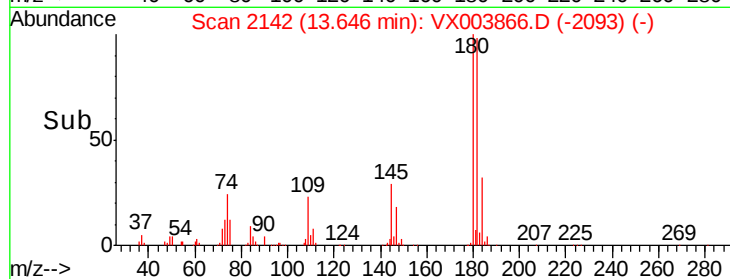
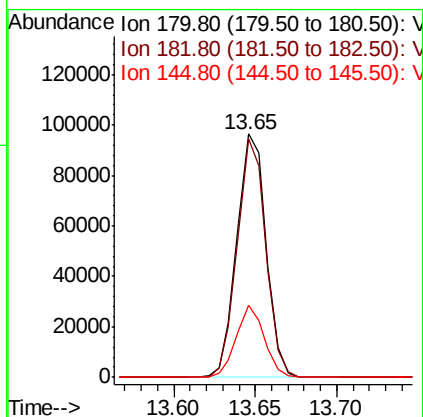
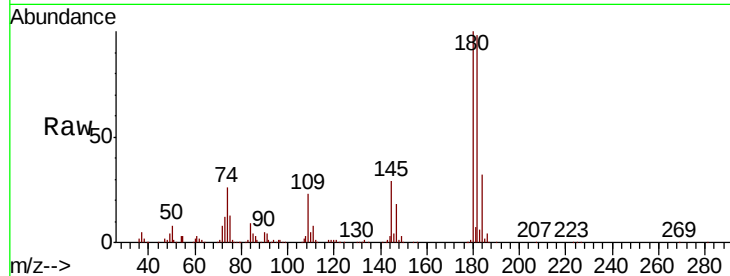
#93
 1,2,4-Trichlorobenzene
 Concen: 19.52 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003866.D
 Acq: 06 Aug 2018 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	120898		
182	95.5	47.7	143.1	
145	28.1	13.9	41.6	

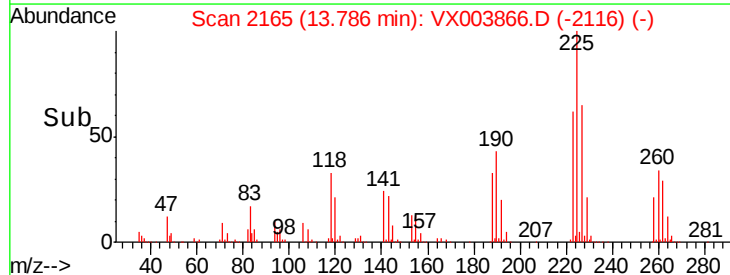
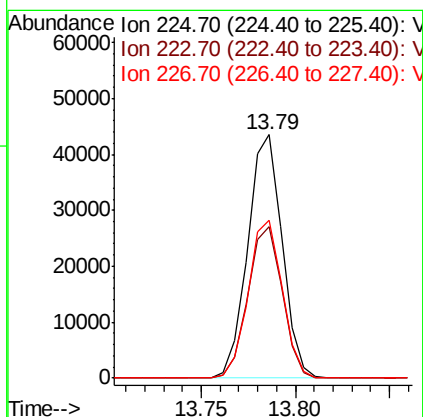
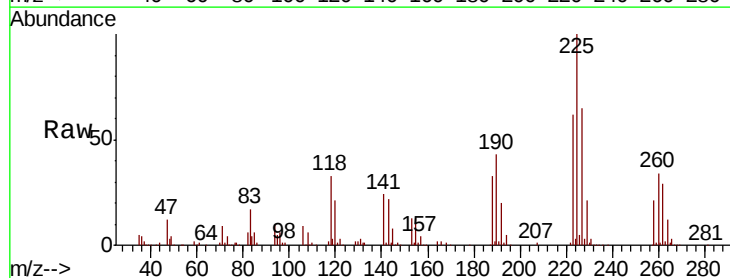
Manual Integrations
 APPROVED

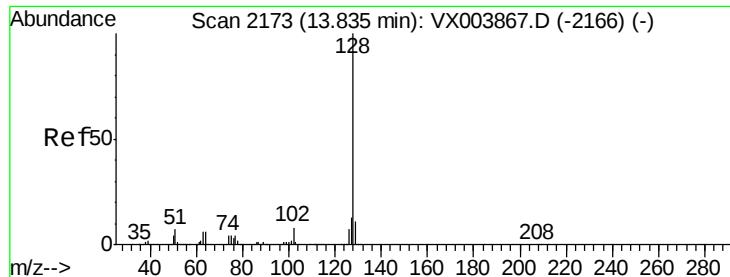
MMDadoda
 8/7/2018 1:12:50 PM



#94
 Hexachlorobutadiene
 Concen: 18.37 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003866.D
 Acq: 06 Aug 2018 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	55010		
223	62.2	31.4	94.0	
227	64.1	32.1	96.5	





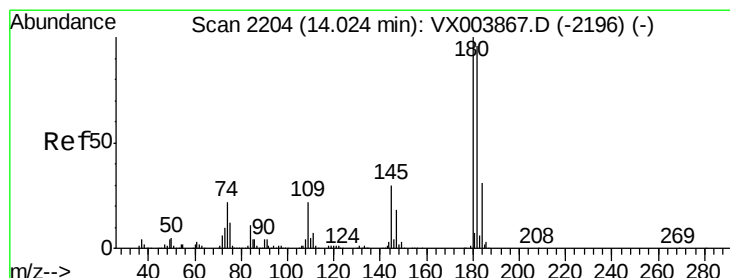
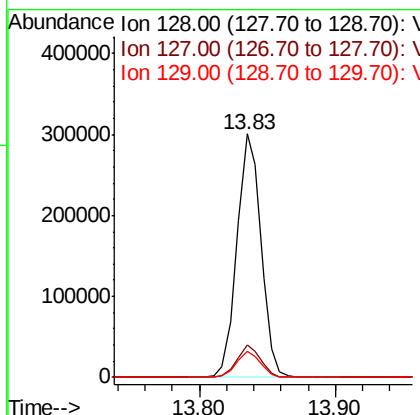
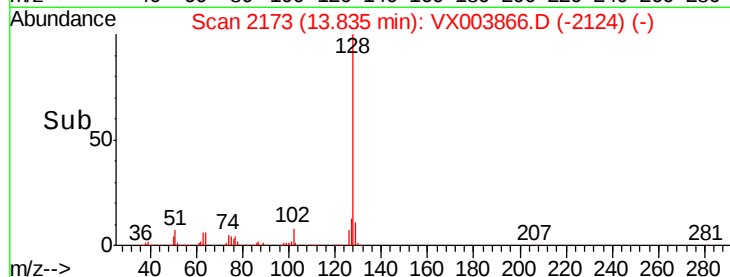
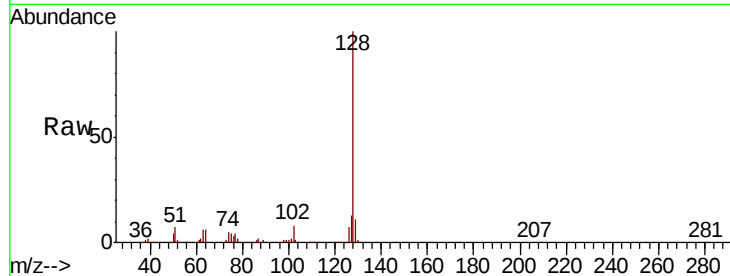
#95
Naphthalene
Concen: 20.53 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:	128	Resp:	368856
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/7/2018 1:12:50 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.32 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003866.D
Acq: 06 Aug 2018 17:20

Tgt Ion:	180	Resp:	123847
Ion Ratio	Lower	Upper	
180	100		
182	96.9	48.1	144.4
145	29.8	14.9	44.7

