

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081318\
 Data File : VX003993.D
 Acq On : 13 Aug 2018 12:09
 Operator : JC/MD
 Sample : VX0813WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/14/2018 12:55:35 PM

Quant Time: Aug 14 03:59:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 13 01:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	325047	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	473236	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	444082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	273963	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	221265	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
35) Dibromofluoromethane	5.50	113	176804	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
50) Toluene-d8	8.71	98	701607	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
62) 4-Bromofluorobenzene	11.14	95	254290	56.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	67577	20.52	ug/l	99
3) Chloromethane	1.32	50	77278	17.24	ug/l	99
4) Vinyl Chloride	1.40	62	86420	19.34	ug/l	100
5) Bromomethane	1.64	94	43309	15.21	ug/l	98
6) Chloroethane	1.73	64	59363	20.76	ug/l	99
7) Trichlorofluoromethane	1.93	101	122364	20.74	ug/l	95
8) Diethyl Ether	2.18	74	52048	19.62	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	77334	20.97	ug/l	100
10) Methyl Iodide	2.51	142	57343	12.50	ug/l	100
11) Tert butyl alcohol	3.04	59	100937	97.49	ug/l	99
12) 1,1-Dichloroethene	2.38	96	69324	19.87	ug/l	96
13) Acrolein	2.29	56	33130	58.05	ug/l	99
14) Allyl chloride	2.73	41	131222	19.51	ug/l	96
15) Acrylonitrile	3.14	53	248372	100.53	ug/l	100
16) Acetone	2.43	43	260204	101.51	ug/l	99
17) Carbon Disulfide	2.57	76	184194	17.31	ug/l	99
18) Methyl Acetate	2.77	43	115745	20.74	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	259970	21.03	ug/l	98
20) Methylene Chloride	2.86	84	84927	13.67	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	79847	20.16	ug/l	95
22) Diisopropyl ether	3.86	45	277459	22.44	ug/l	93
23) Vinyl Acetate	3.82	43	1147618	111.57	ug/l	99
24) 1,1-Dichloroethane	3.70	63	153406	20.89	ug/l	100
25) 2-Butanone	4.69	43	395096	102.51	ug/l	98
26) 2,2-Dichloropropane	4.58	77	119756	22.61	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	89618	20.85	ug/l	99
28) Bromochloromethane	5.02	49	57044	18.15	ug/l	100
29) Tetrahydrofuran	5.15	42	194988	98.43	ug/l	99
30) Chloroform	5.21	83	148111	21.42	ug/l	97
31) Cyclohexane	5.57	56	119993	19.32	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	123077	21.23	ug/l	99
36) 1,1-Dichloropropene	5.80	75	108865	20.54	ug/l	99
37) Ethyl Acetate	4.85	43	116560	19.99	ug/l	100
38) Carbon Tetrachloride	5.78	117	109042	21.62	ug/l	95

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Manual Integrations
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 8/14/2018 12:55:35 PM

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 13 01:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	125078	20.02	ug/l	98
40) Benzene	6.14	78	331927	20.86	ug/l	98
41) Methacrylonitrile	5.05	41	66099	20.59	ug/l	99
42) 1,2-Dichloroethane	6.20	62	118163	21.96	ug/l	99
43) Isopropyl Acetate	6.46	43	182258	20.77	ug/l	100
44) Trichloroethene	7.21	130	91818	21.09	ug/l	88
45) 1,2-Dichloropropane	7.52	63	88831	21.61	ug/l	99
46) Dibromomethane	7.66	93	56907	21.33	ug/l	97
47) Bromodichloromethane	7.90	83	108108	21.51	ug/l	99
48) Methyl methacrylate	7.77	41	92035	20.64	ug/l	99
49) 1,4-Dioxane	7.76	88	40787	388.21	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	766115	105.34	ug/l	99
52) Toluene	8.79	92	216890	21.57	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	117042	20.60	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	130223	21.26	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	86897	21.15	ug/l	99
56) Ethyl methacrylate	9.18	69	118932	19.95	ug/l	98
57) 1,3-Dichloropropane	9.37	76	147854	21.50	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	287832	98.17	ug/l	99
59) 2-Hexanone	9.50	43	576917	106.12	ug/l	99
60) Dibromochloromethane	9.59	129	85566	22.33	ug/l	99
61) 1,2-Dibromoethane	9.67	107	90581	22.02	ug/l	100
64) Tetrachloroethene	9.34	164	86370	19.77	ug/l	97
65) Chlorobenzene	10.14	112	235455	20.38	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	82193	20.69	ug/l	99
67) Ethyl Benzene	10.26	91	392241	20.74	ug/l	93
68) m/p-Xylenes	10.36	106	305893	41.39	ug/l	96
69) o-Xylene	10.70	106	140733	20.17	ug/l	98
70) Styrene	10.71	104	243825	21.34	ug/l	97
71) Bromoform	10.86	173	61579	20.73	ug/l #	98
73) Isopropylbenzene	11.02	105	403279	19.90	ug/l	97
74) N-amyl acetate	6.46	43	182258	17.29	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	135620	19.52	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	119369m	19.73	ug/l	
77) Bromobenzene	11.26	156	107183	19.82	ug/l	100
78) n-propylbenzene	11.36	91	465194	20.44	ug/l	100
79) 2-Chlorotoluene	11.42	91	272348	19.63	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	338210	20.47	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	35316	17.79	ug/l	96
82) 4-Chlorotoluene	11.51	91	323370	19.89	ug/l	99
83) tert-Butylbenzene	11.77	119	335745	20.65	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	355454	21.39	ug/l	99
85) sec-Butylbenzene	11.94	105	394893	20.58	ug/l	100
86) p-Isopropyltoluene	12.07	119	356361	20.70	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	198683	19.88	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	207220	19.99	ug/l	98
89) n-Butylbenzene	12.39	91	293901	19.59	ug/l	99
90) Hexachloroethane	12.60	117	49454	17.69	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	190585	19.24	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23006	16.17	ug/l	97

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MSVOA_X
ClientSampleId :
VX0813WBS01

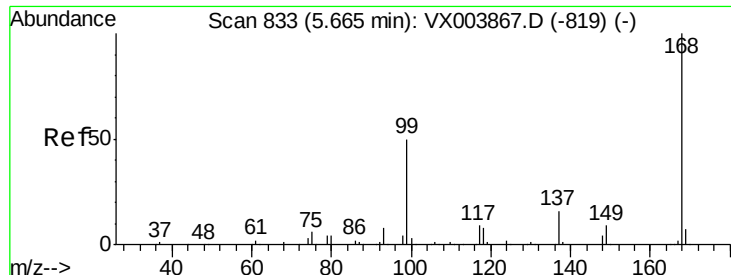
Manual Integrations
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Quant Time: Aug 14 03:59:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 13 01:34:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	124381	17.46	ug/l	98
94) Hexachlorobutadiene	13.78	225	62225	18.65	ug/l	97
95) Naphthalene	13.83	128	385640	18.90	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	139448	19.61	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: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

Tot Ion:168 Resp: 325047

Ion Ratio Lower Upper

168 100

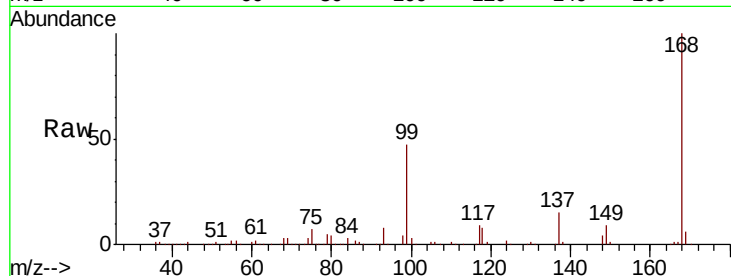
99 46.5 40.1 60.1

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

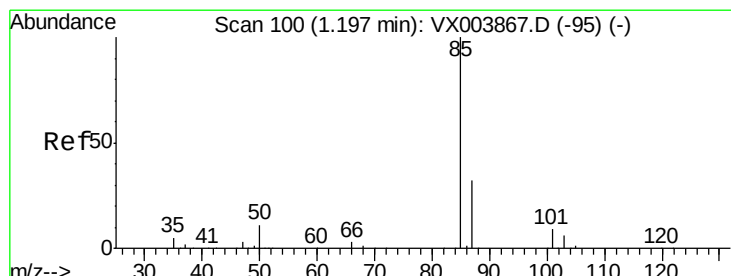
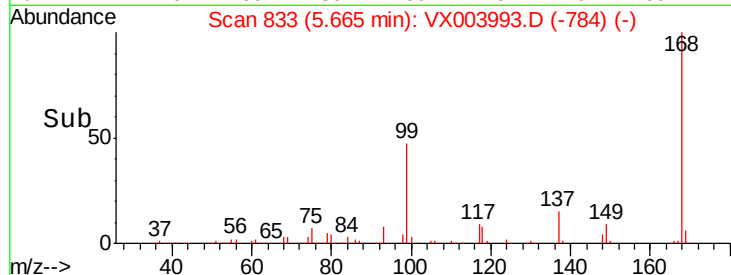
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50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.52 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX003993.D

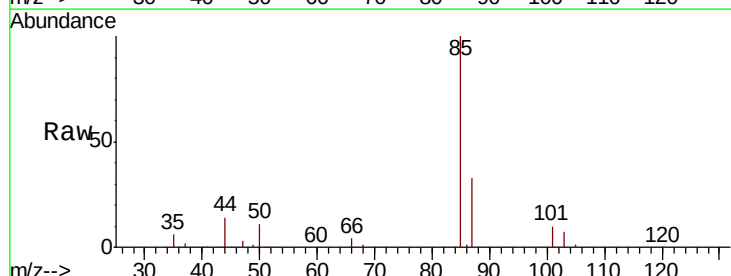
Acq: 13 Aug 2018 12:09

Tgt Ion: 85 Resp: 67577

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

60000

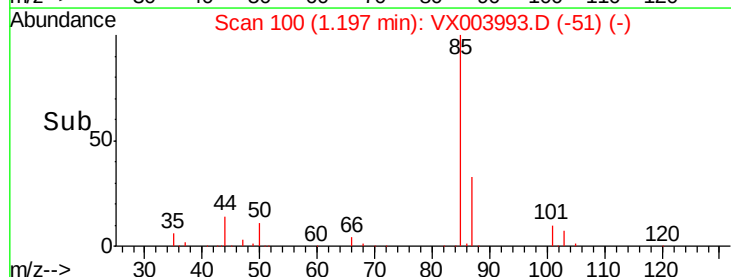
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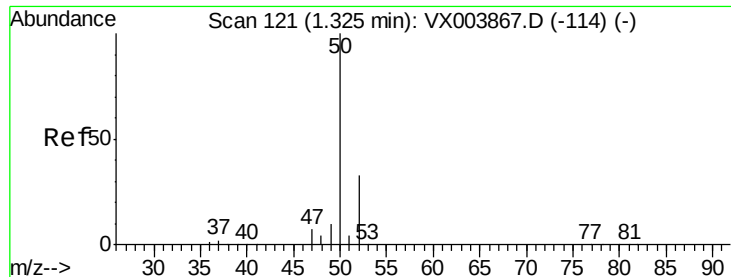
20000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 17.24 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

Tot Ion: 50 Resp: 77278

Ion Ratio Lower Upper

50 100

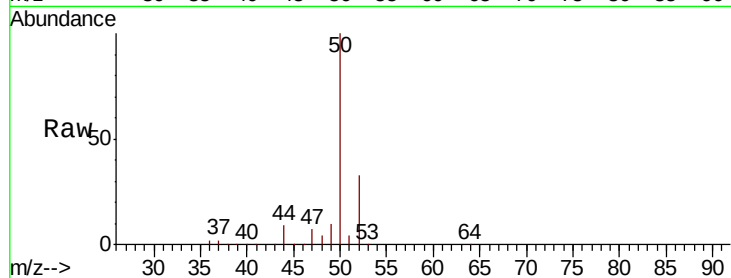
52 32.5 26.6 39.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

80000

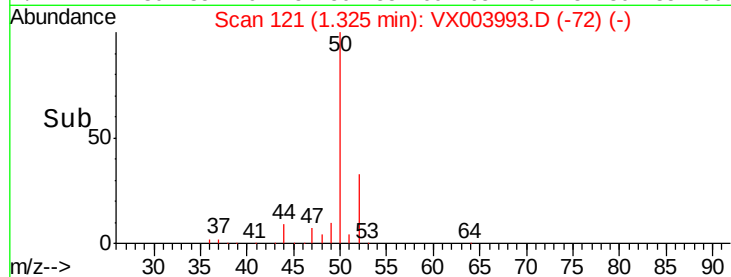
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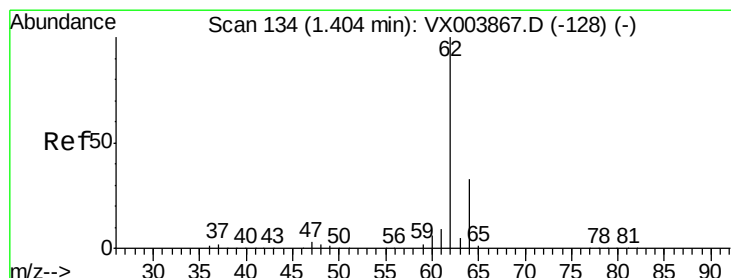
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0

Time-->



Time-->



#4

Vinyl Chloride

Concen: 19.34 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003993.D

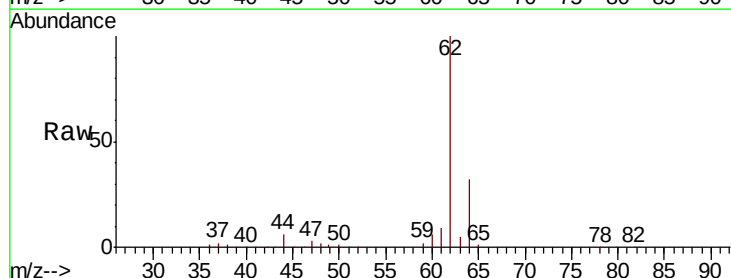
Acq: 13 Aug 2018 12:09

Tgt Ion: 62 Resp: 86420

Ion Ratio Lower Upper

62 100

64 32.4 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

80000

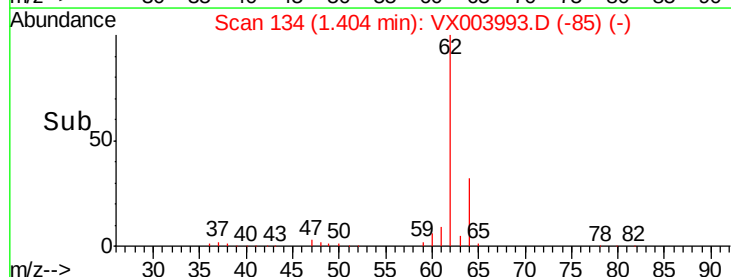
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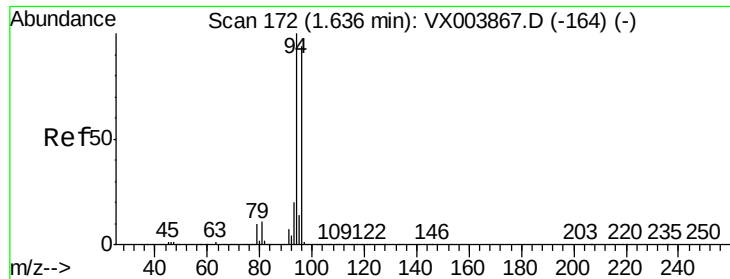
40000

20000

0

Time-->





#5

Bromomethane

Concen: 15.21 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

Tot Ion: 94 Resp: 43309

Ion Ratio Lower Upper

94 100

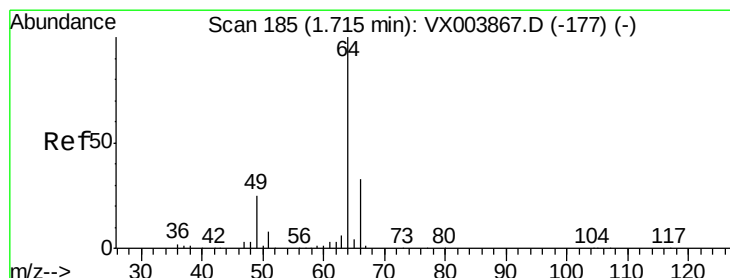
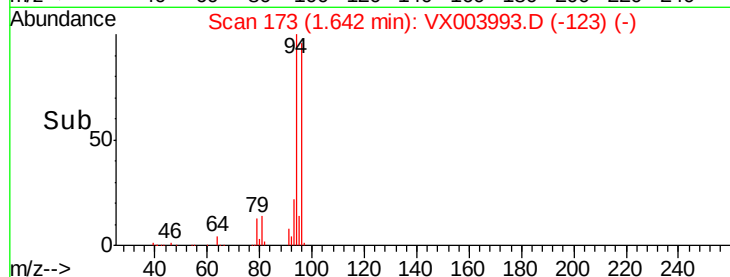
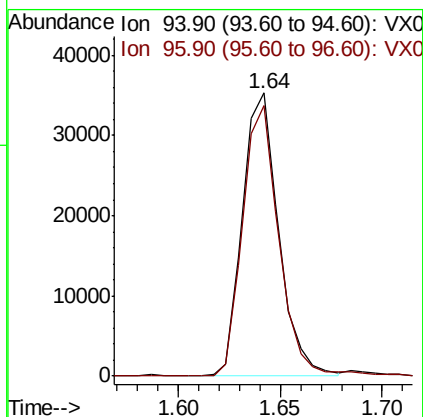
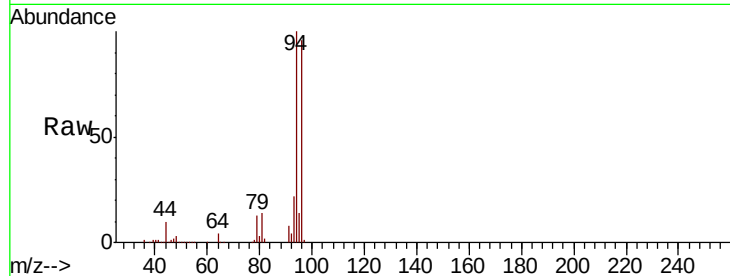
96 95.6 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 20.76 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003993.D

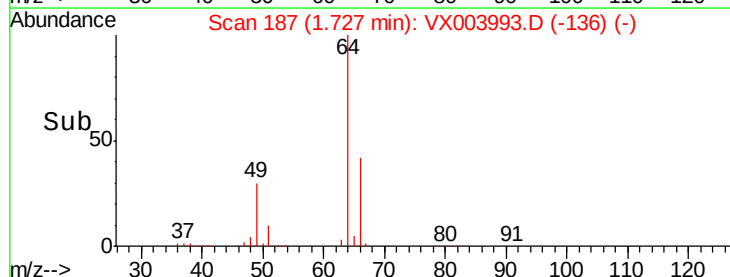
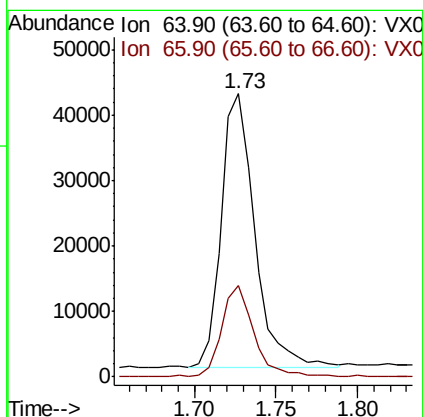
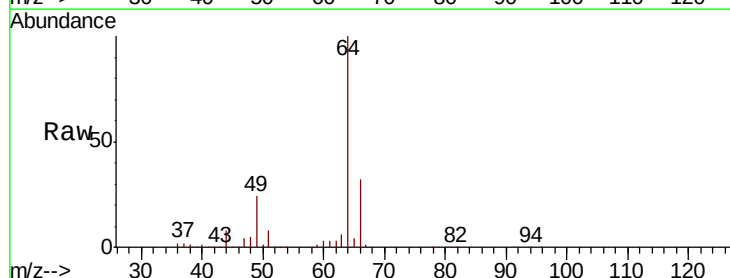
Acq: 13 Aug 2018 12:09

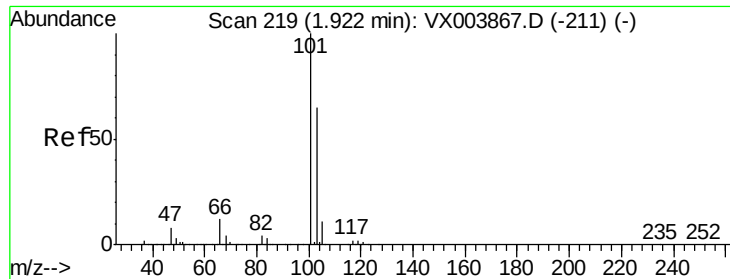
Tgt Ion: 64 Resp: 59363

Ion Ratio Lower Upper

64 100

66 33.4 26.5 39.7





#7

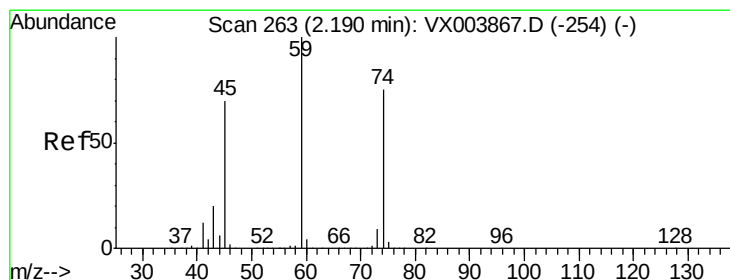
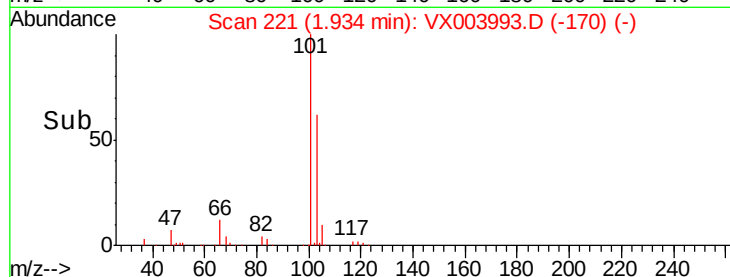
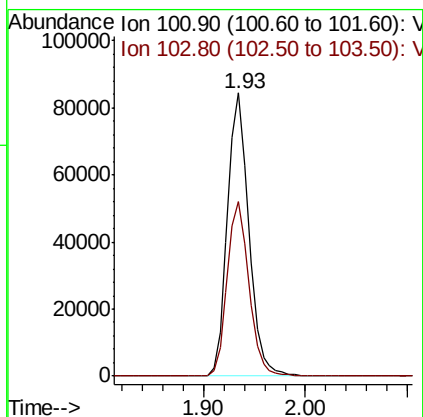
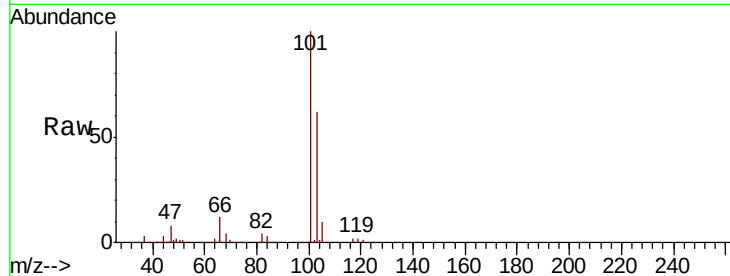
Trichlorofluoromethane
 Concen: 20.74 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	52.3	78.5

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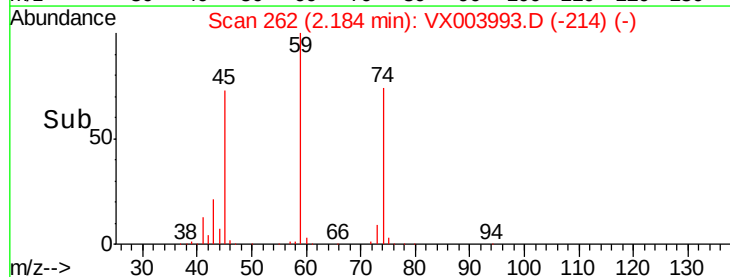
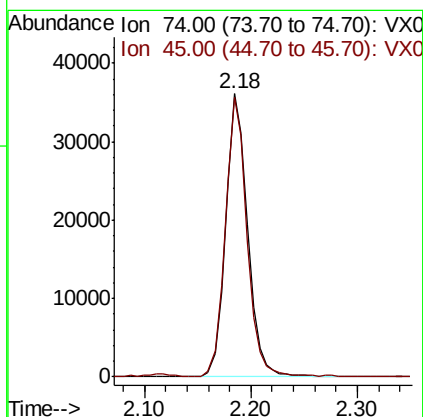
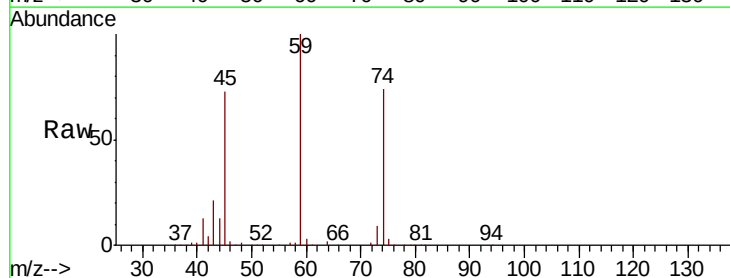
MMDadoda
 8/14/2018 12:55:35 PM

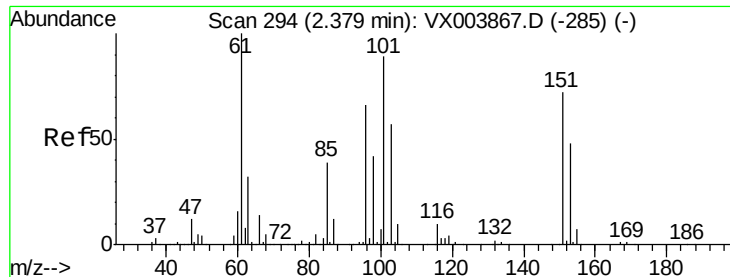


#8

Diethyl Ether
 Concen: 19.62 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.01 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.97 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

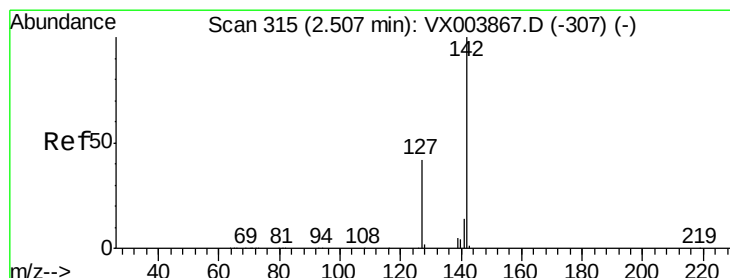
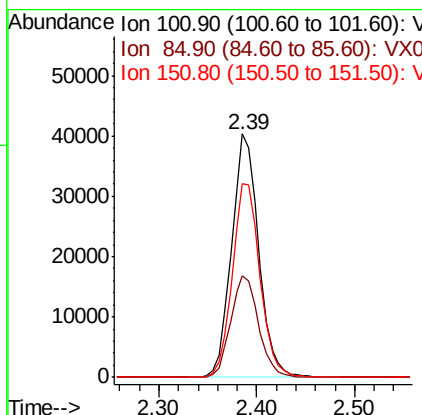
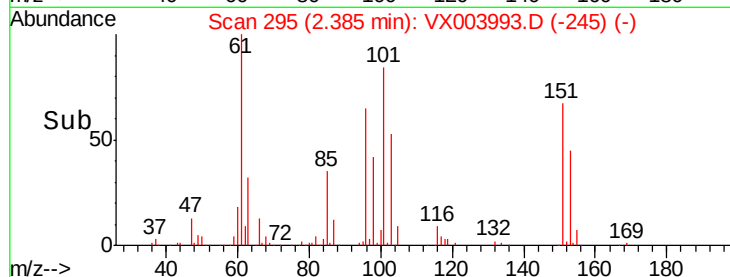
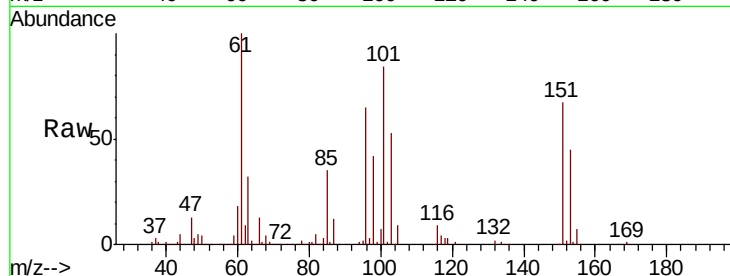
ClientSampleId :

VX0813WBS01

Tot Ion:	101	Resp:	77334
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.2	51.4
151	81.4	65.0	97.4

Manual Integrations
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8/14/2018 12:55:35 PM



#10

Methyl Iodide

Concen: 12.50 ug/l

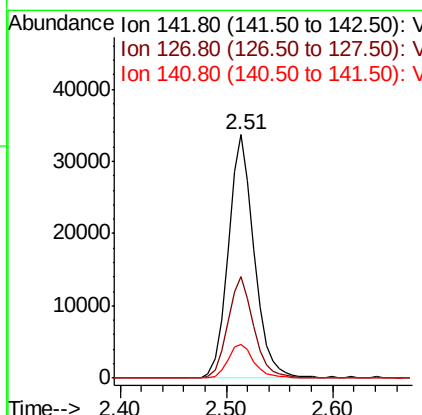
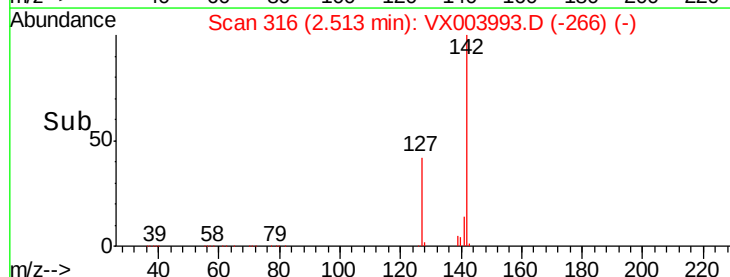
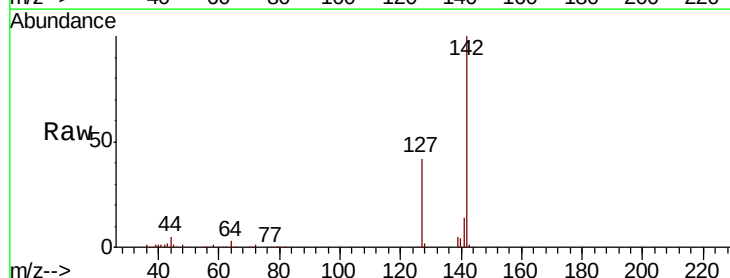
RT: 2.51 min Scan# 316

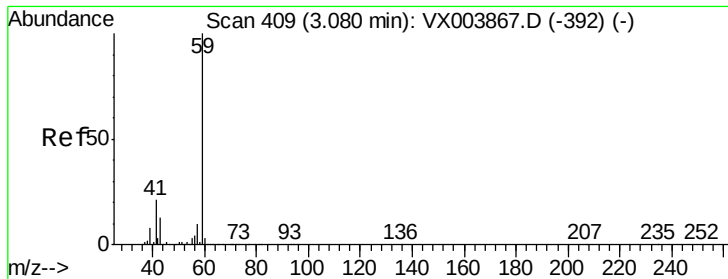
Delta R.T. 0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Tgt Ion:	142	Resp:	57343
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.1	49.7
141	14.0	11.1	16.7





#11

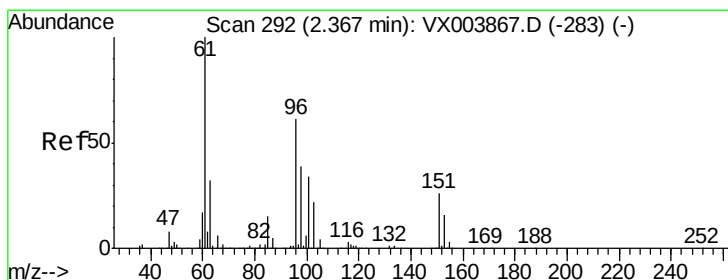
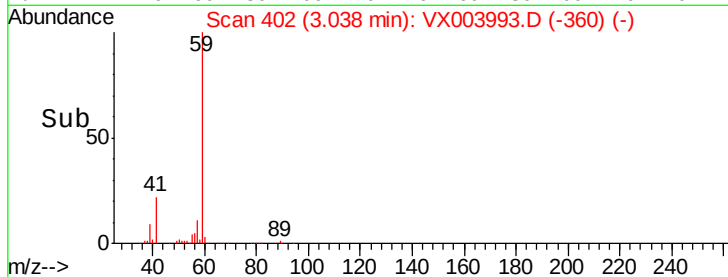
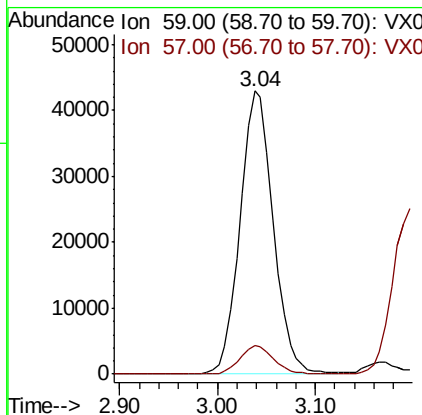
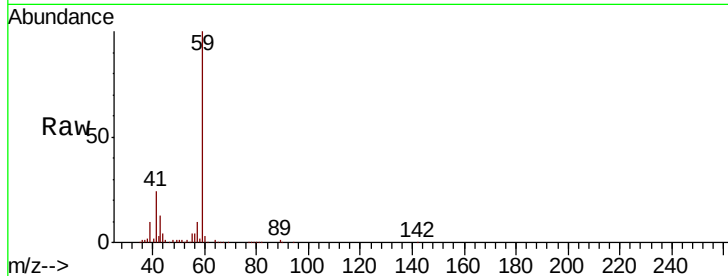
Tert butyl alcohol
Concen: 97.49 ug/l
RT: 3.04 min Scan# 402
Delta R.T. -0.04 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.1	12.1

Manual Integrations
APPROVED

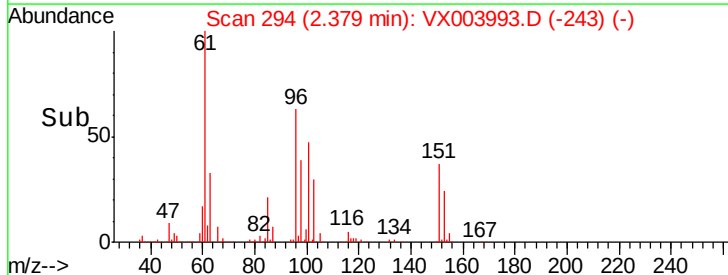
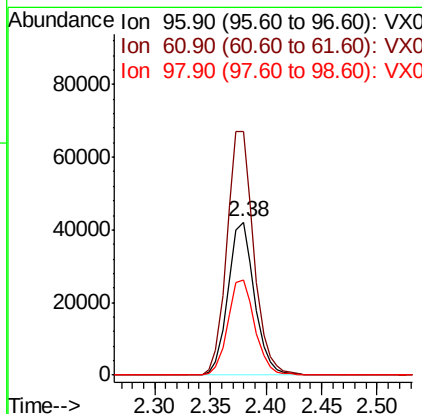
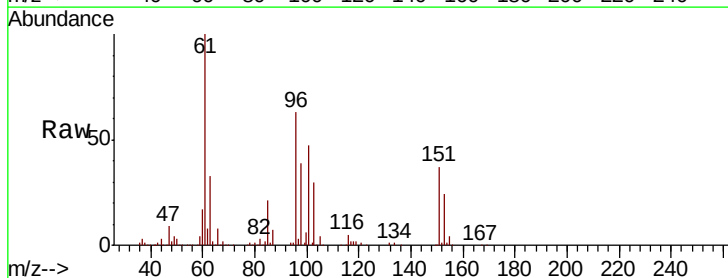
MMDadoda
8/14/2018 12:55:35 PM

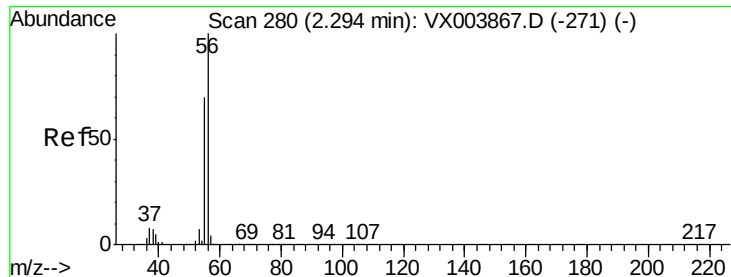


#12

1,1-Dichloroethene
Concen: 19.87 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.9	131.3	196.9
98	62.1	51.8	77.6





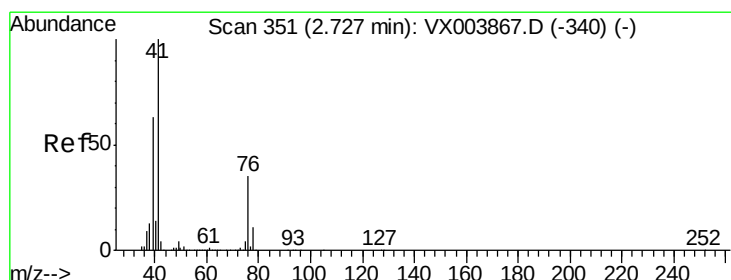
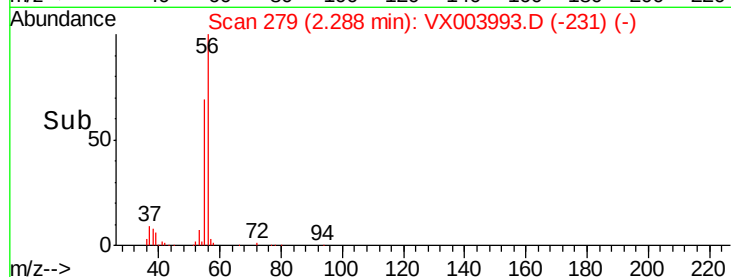
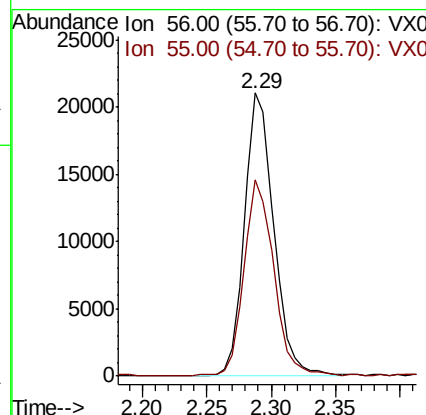
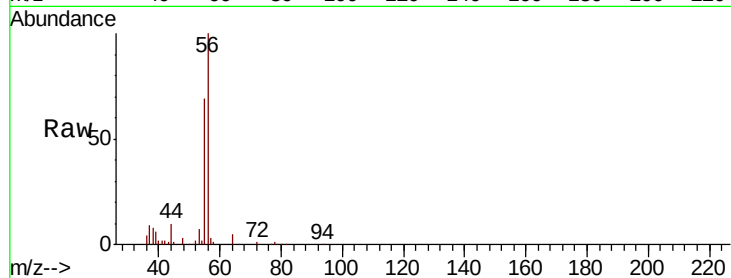
#13
Acrolein
Concen: 58.05 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	70.9	56.1	84.1

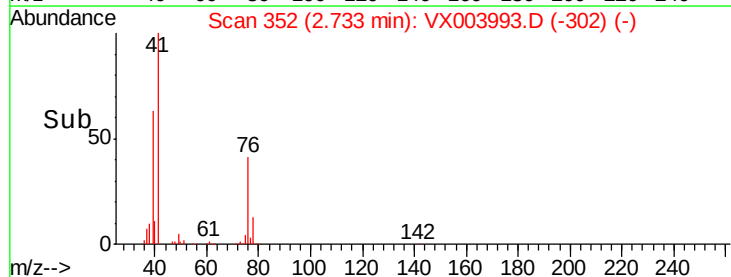
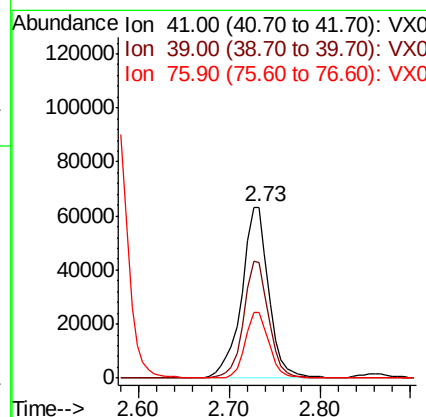
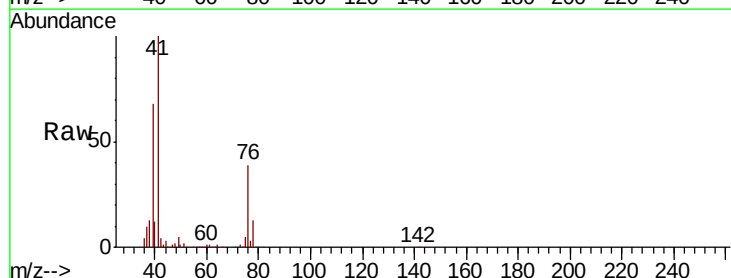
Manual Integrations
APPROVED

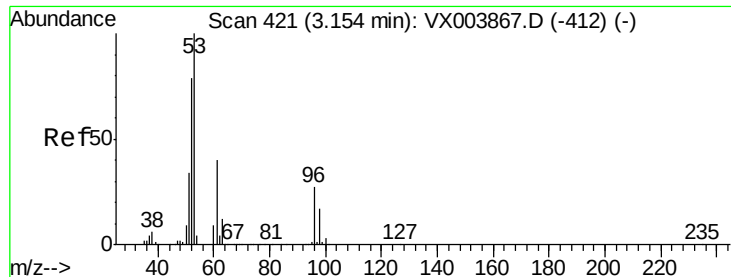
MMDadoda
8/14/2018 12:55:35 PM



#14
Allyl chloride
Concen: 19.51 ug/l
RT: 2.73 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	62.7	47.4	71.0
76	76	33.8	26.0	39.0





#15

Acrylonitrile

Concen: 100.53 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

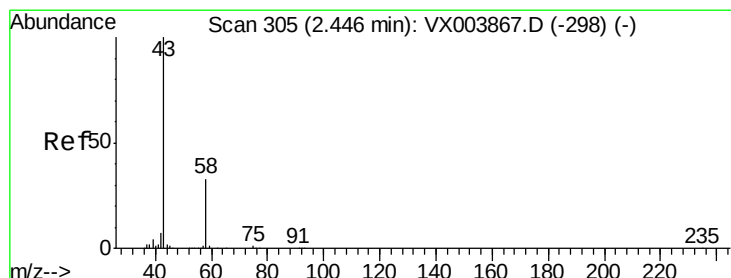
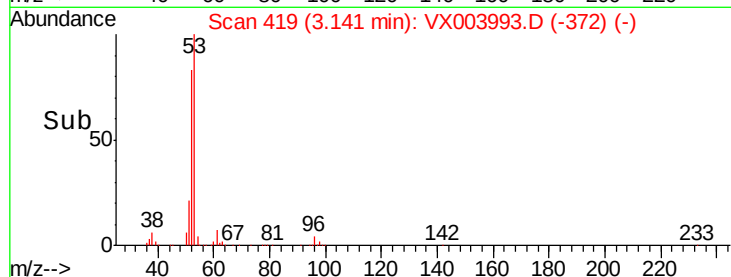
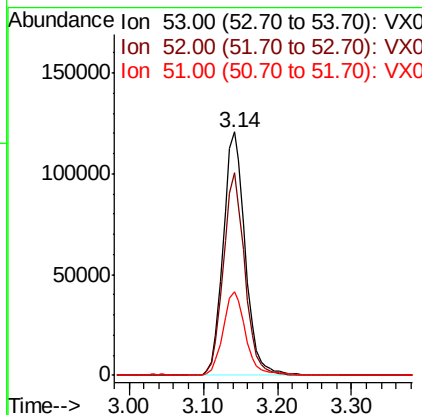
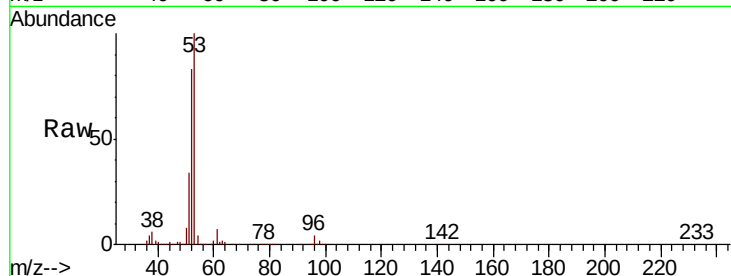
ClientSampleId :

VX0813WBS01

Tot Ion:	53	Resp:	248372
Ion Ratio		Lower	Upper
53	100		
52	81.2	65.3	97.9
51	34.9	27.9	41.9

Manual Integrations
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MMDadoda
8/14/2018 12:55:35 PM



#16

Acetone

Concen: 101.51 ug/l

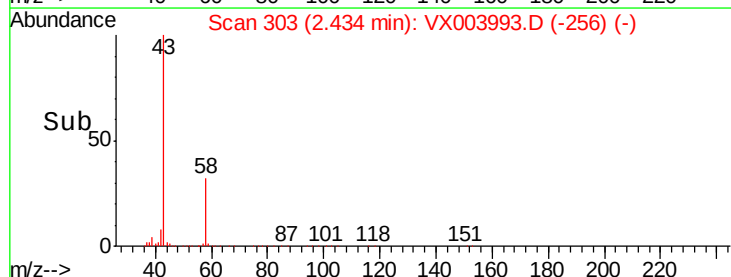
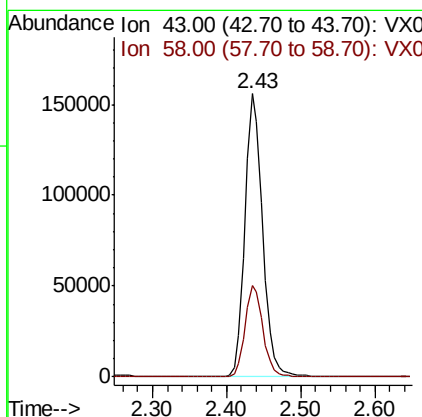
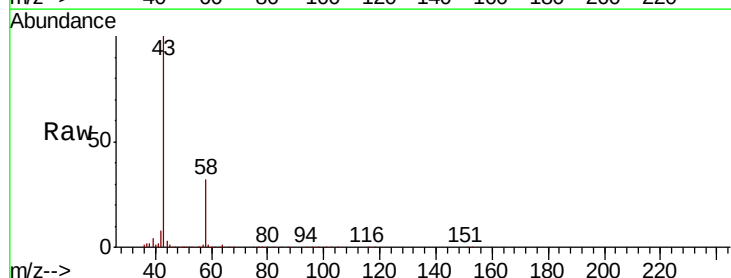
RT: 2.43 min Scan# 303

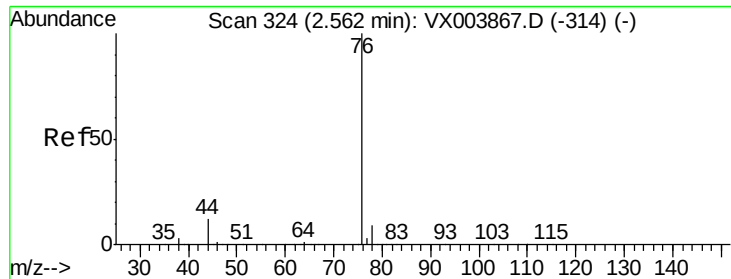
Delta R.T. -0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Tgt Ion:	43	Resp:	260204
Ion Ratio		Lower	Upper
43	100		
58	32.3	26.4	39.6





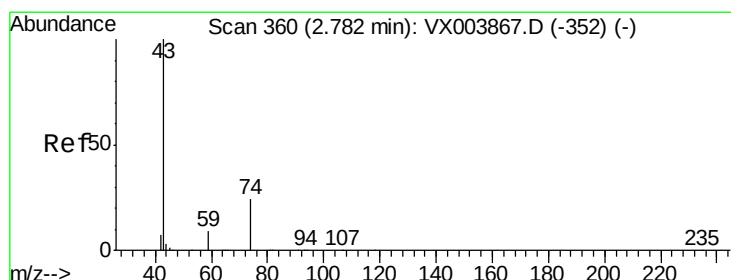
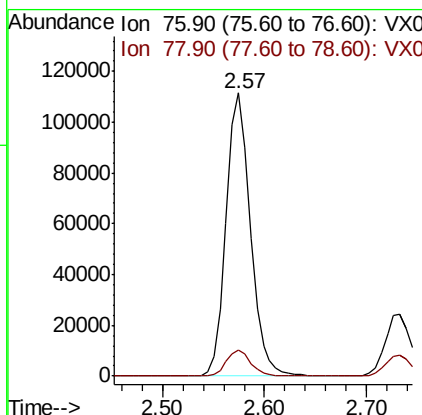
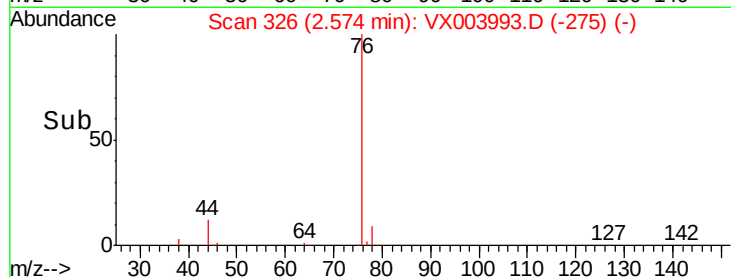
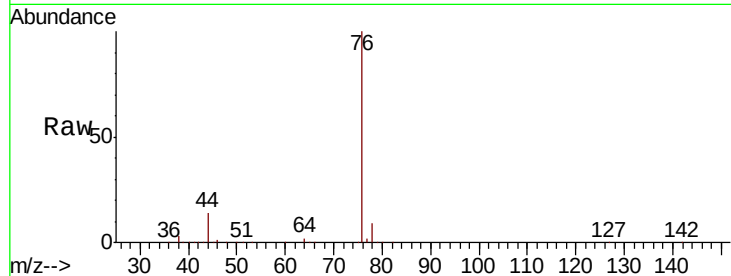
#17
Carbon Disulfide
Concen: 17.31 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.5	11.3

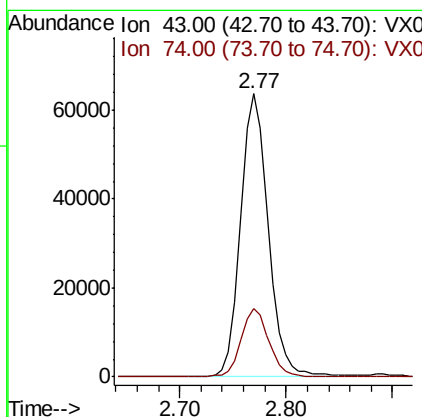
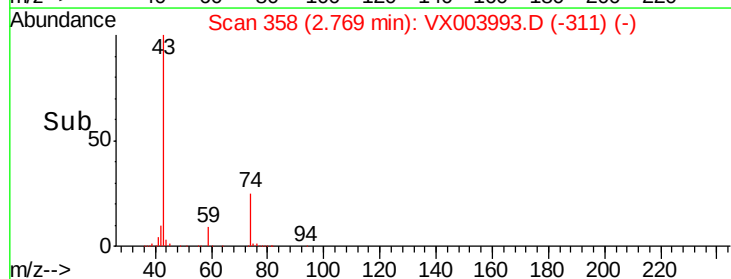
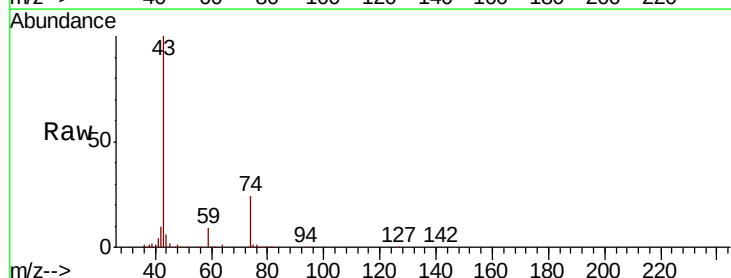
Manual Integrations
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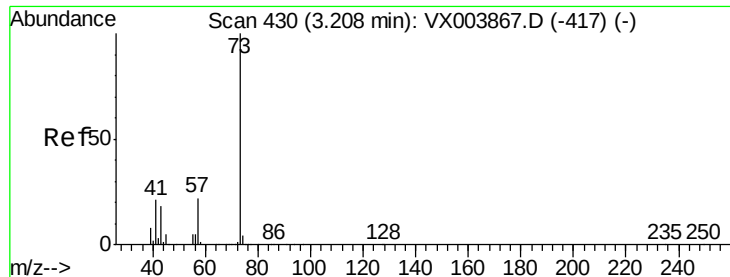
MMDadoda
8/14/2018 12:55:35 PM



#18
Methyl Acetate
Concen: 20.74 ug/l
RT: 2.77 min Scan# 358
Delta R.T. -0.01 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	18.9	28.3





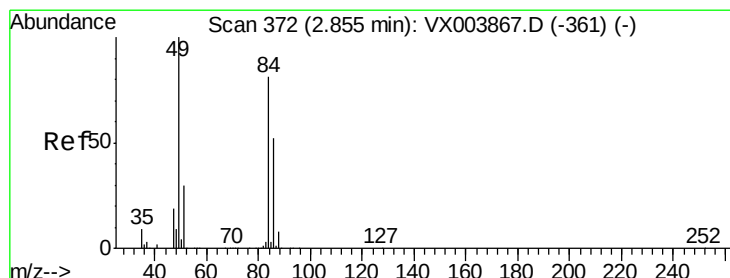
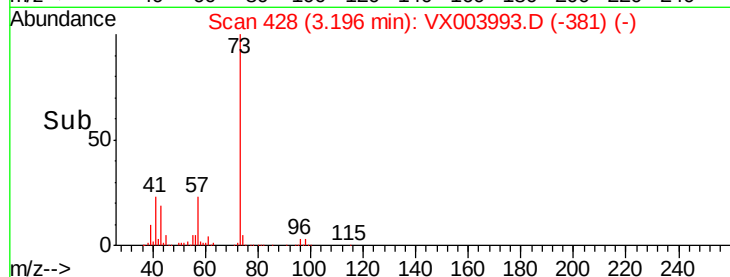
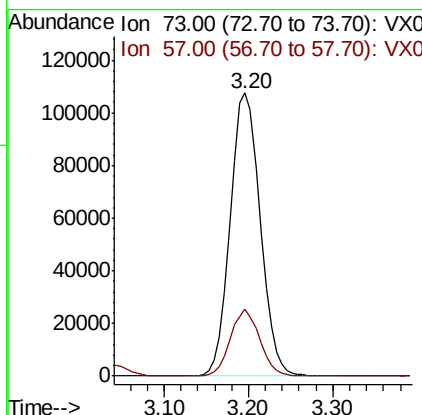
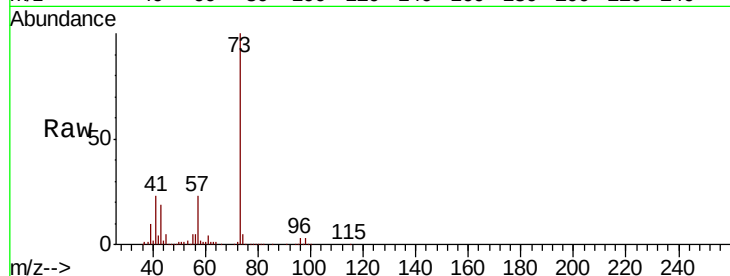
#19
Methyl tert-butyl Ether
Concen: 21.03 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.01 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.0	27.0

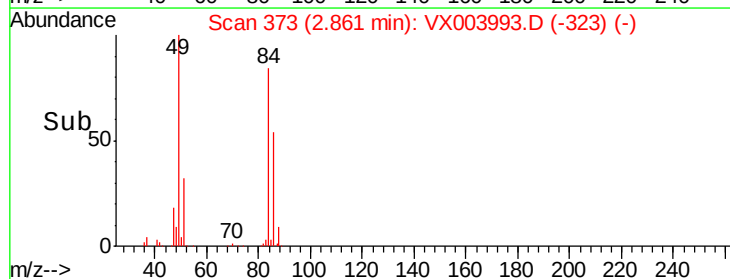
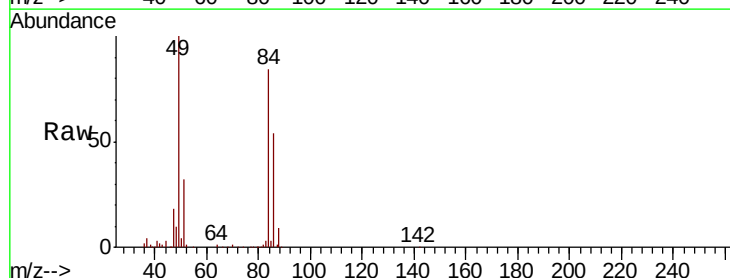
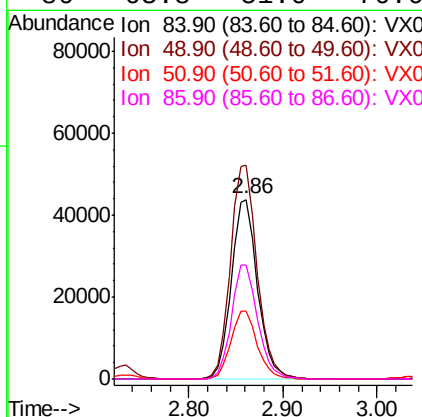
Manual Integrations
APPROVED

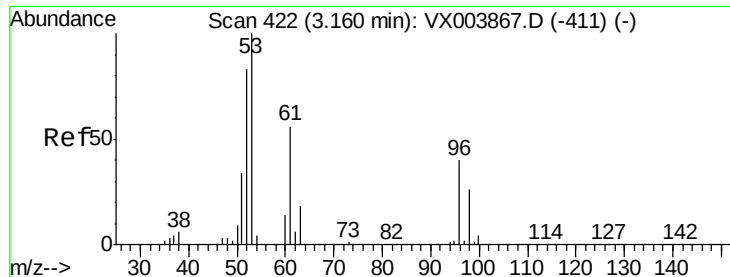
MMDadoda
8/14/2018 12:55:35 PM



#20
Methylene Chloride
Concen: 13.67 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.0	98.9	148.3
51	37.7	29.9	44.9
86	63.8	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 20.16 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

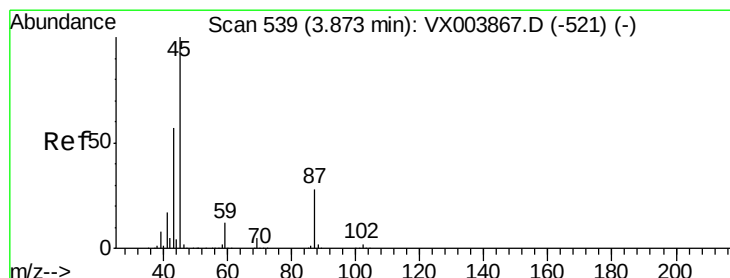
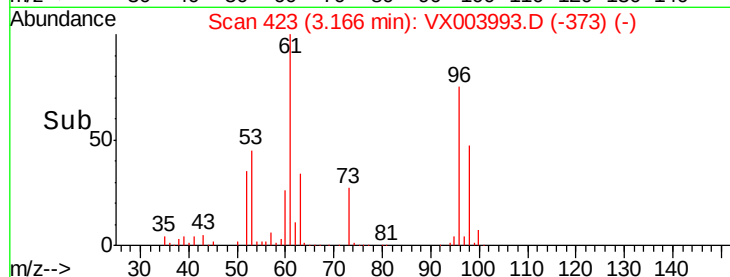
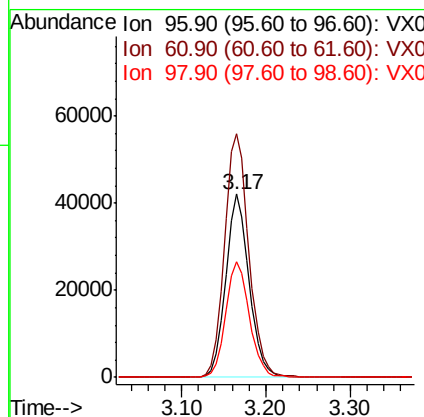
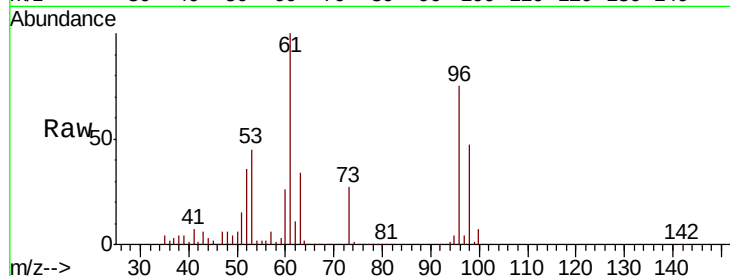
ClientSampleId :

VX0813WBS01

Tot Ion:	96	Resp:	79847
Ion	Ratio	Lower	Upper
96	100		
61	132.8	111.8	167.6
98	62.8	51.8	77.6

Manual Integrations
APPROVED

MMDadoda
8/14/2018 12:55:35 PM



#22

Diisopropyl ether

Concen: 22.44 ug/l

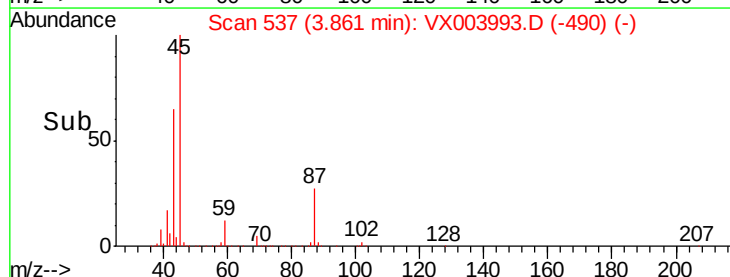
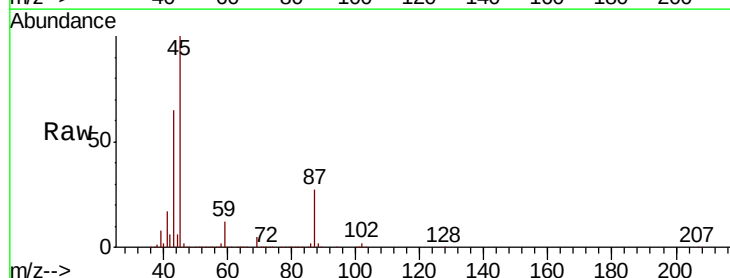
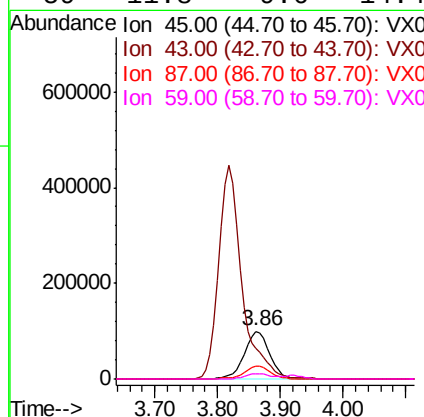
RT: 3.86 min Scan# 537

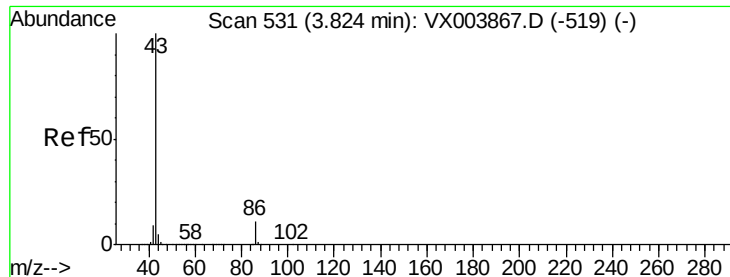
Delta R.T. -0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Tgt Ion:	45	Resp:	277459
Ion	Ratio	Lower	Upper
45	100		
43	64.4	45.3	67.9
87	26.6	22.7	34.1
59	11.8	9.6	14.4





#23

Vinyl Acetate

Concen: 111.57 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Tot Ion: 43 Resp: 1147618

Ion Ratio Lower Upper

43 100

86 10.6 8.9 13.3

Instrument :

MSVOA_X

ClientSampleId :

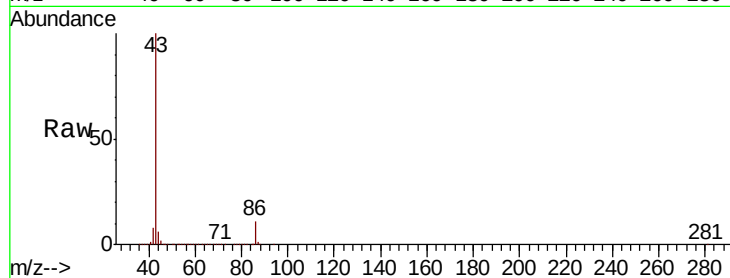
VX0813WBS01

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

400000

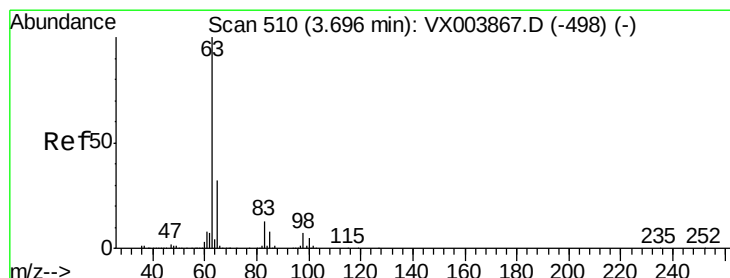
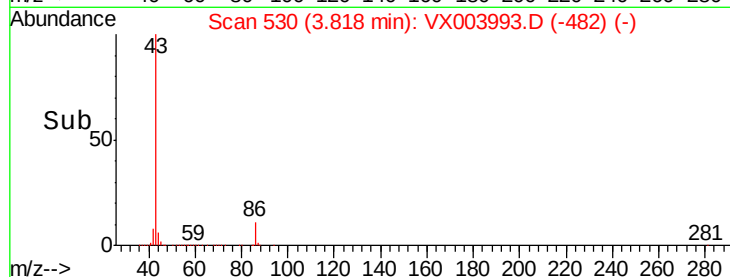
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.89 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

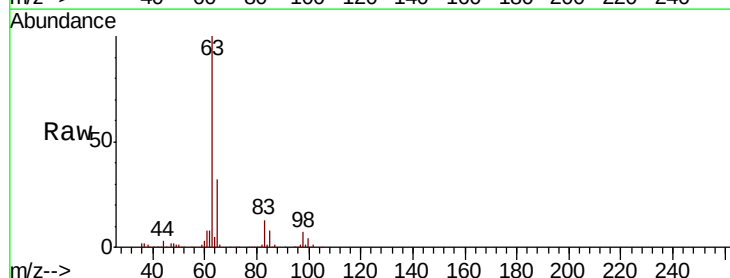
Tgt Ion: 63 Resp: 153406

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.2 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

80000

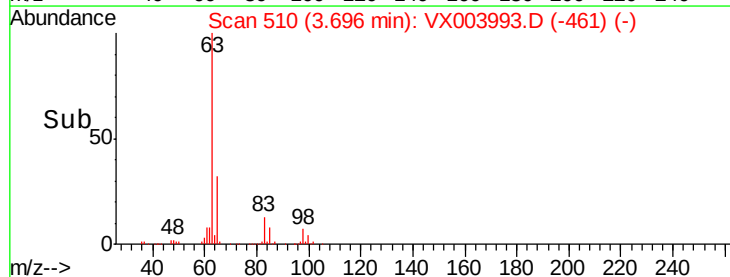
60000

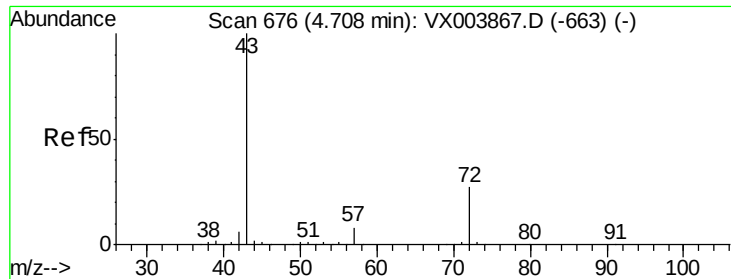
40000

20000

0

Time-->





#25

2-Butanone

Concen: 102.51 ug/l

RT: 4.69 min Scan# 673

Delta R.T. -0.02 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

Tot Ion: 43 Resp: 395096

Ion Ratio Lower Upper

43 100

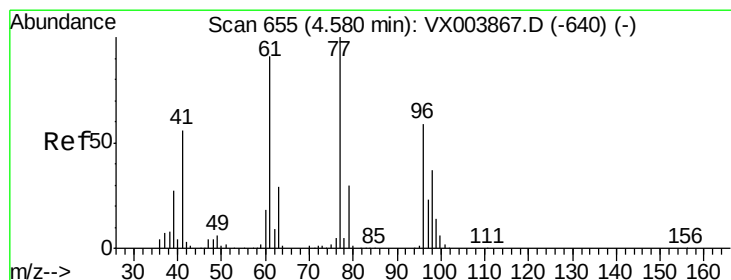
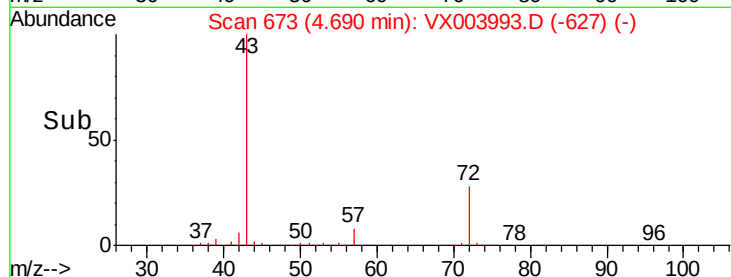
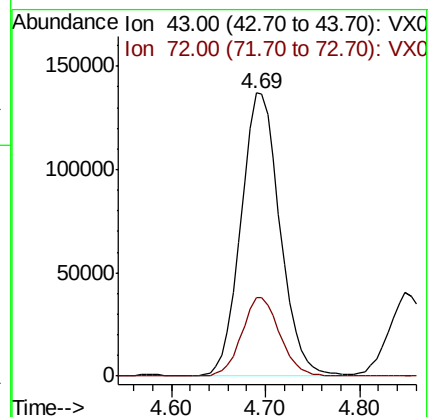
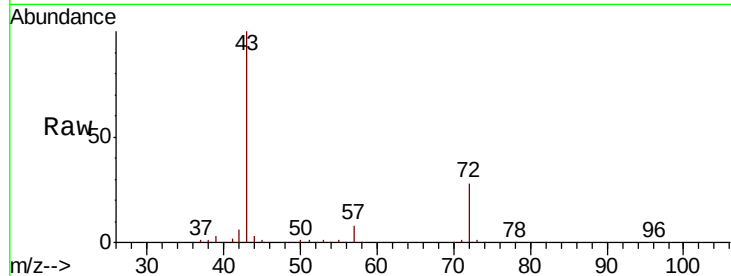
72 27.5 21.4 32.0

Manual Integrations

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MMDadoda

8/14/2018 12:55:35 PM



#26

2,2-Dichloropropane

Concen: 22.61 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX003993.D

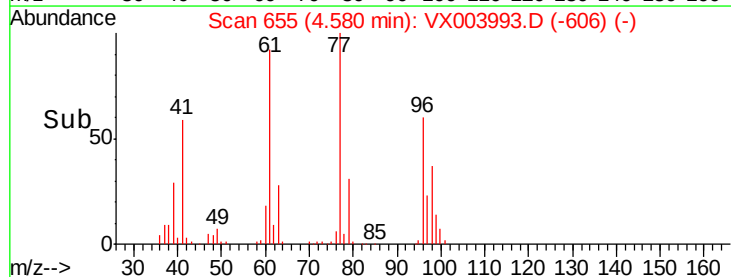
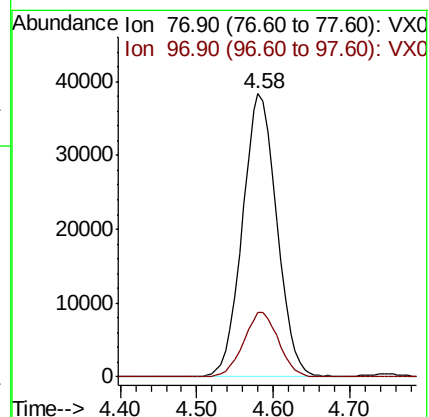
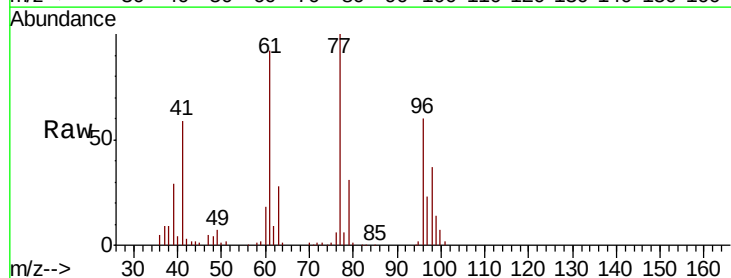
Acq: 13 Aug 2018 12:09

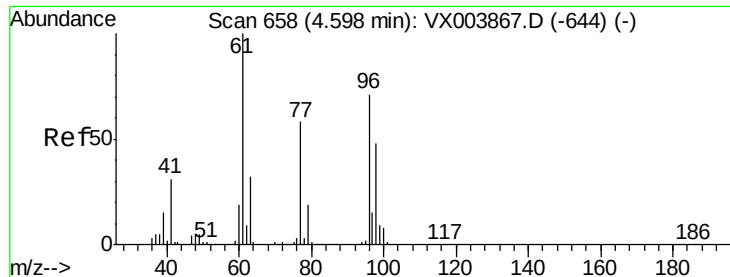
Tgt Ion: 77 Resp: 119756

Ion Ratio Lower Upper

77 100

97 23.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.85 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

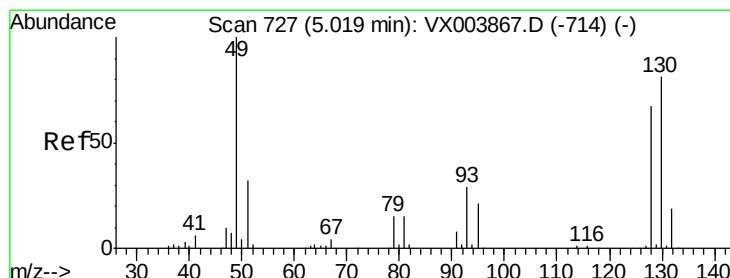
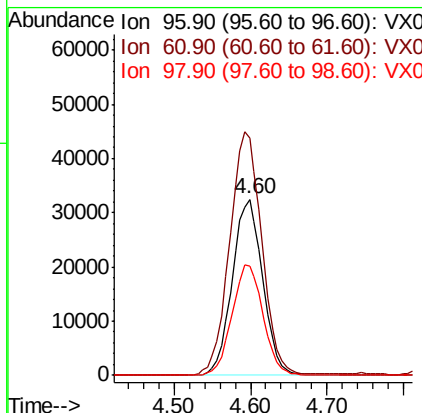
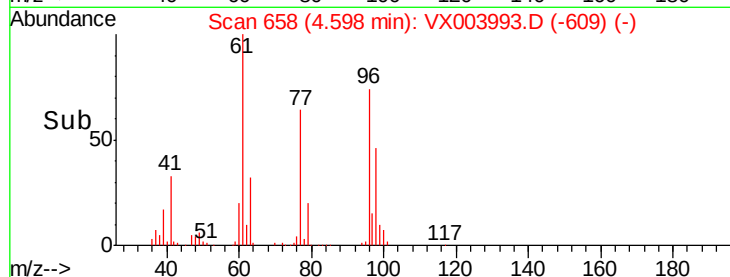
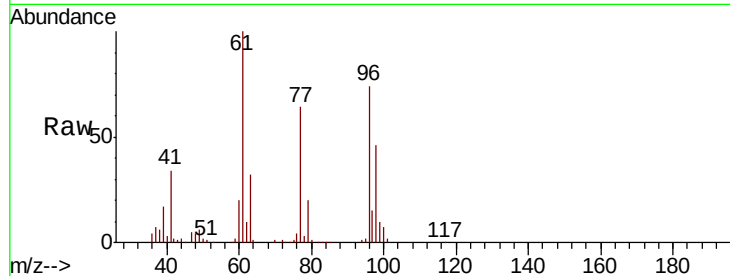
ClientSampleId :

VX0813WBS01

Tot Ion:	96	Resp:	89618
Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	293.0
98	63.7	0.0	131.8

Manual Integrations
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#28

Bromochloromethane

Concen: 18.15 ug/l

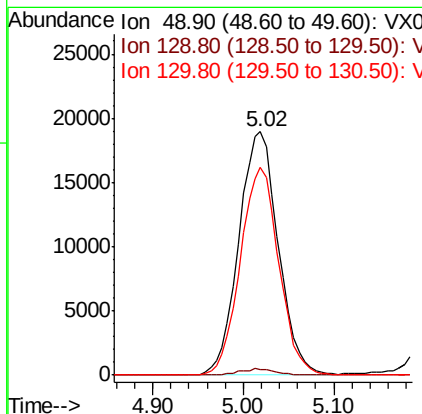
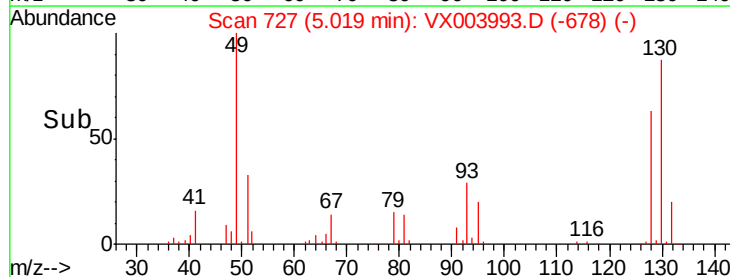
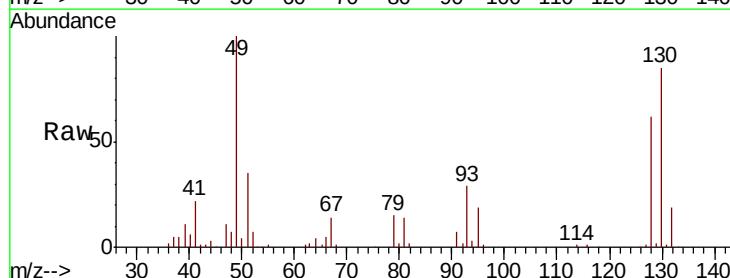
RT: 5.02 min Scan# 727

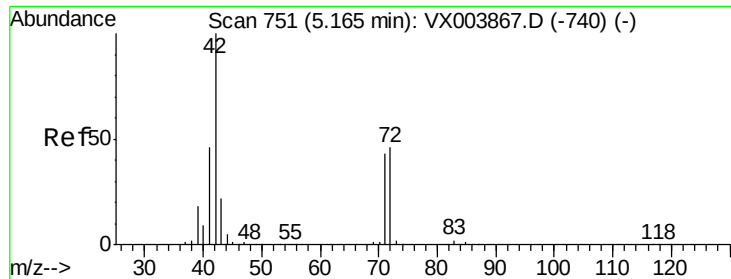
Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Tgt Ion:	49	Resp:	57044
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	83.4	66.5	99.7





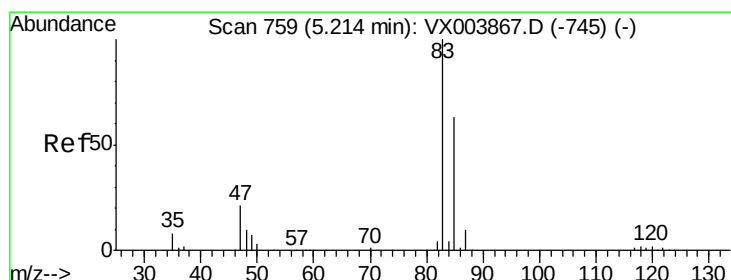
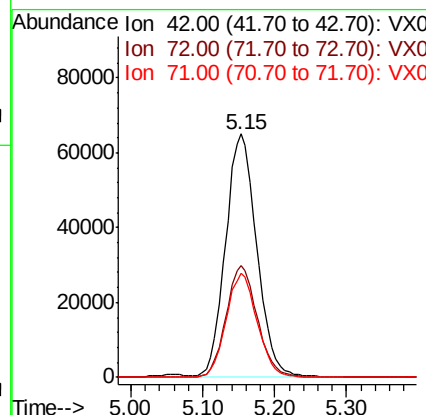
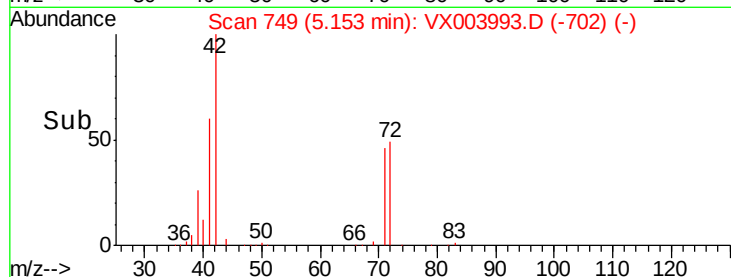
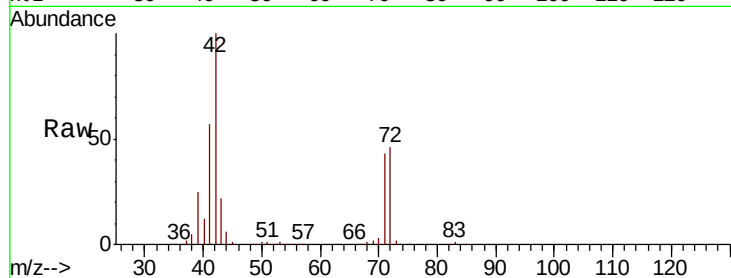
#29
Tetrahydrofuran
Concen: 98.43 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.01 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	37.7	56.5
71	42.7	35.0	52.6

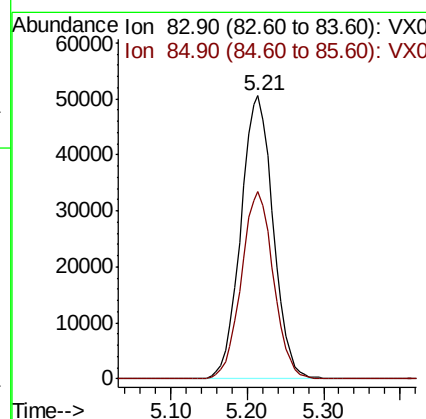
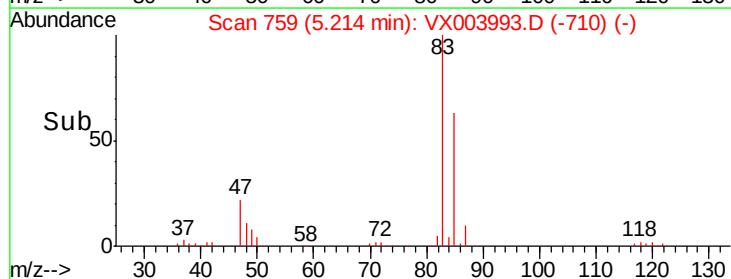
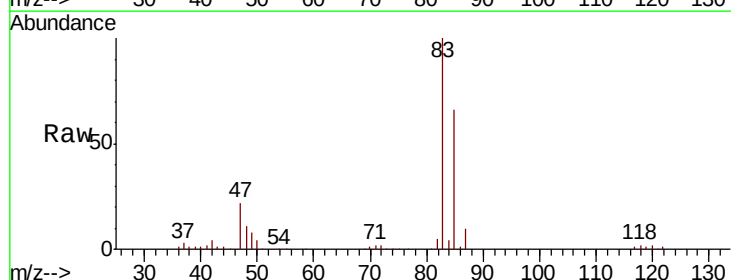
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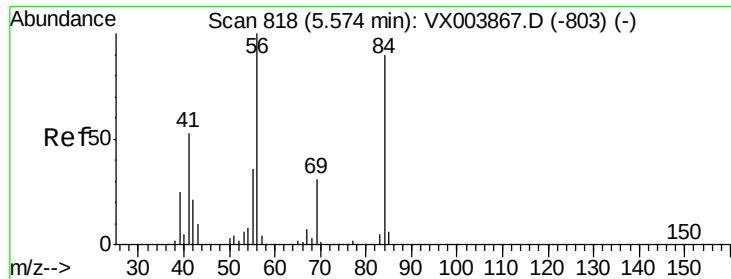
MMDadoda
8/14/2018 12:55:35 PM



#30
Chloroform
Concen: 21.42 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	50.7	76.1





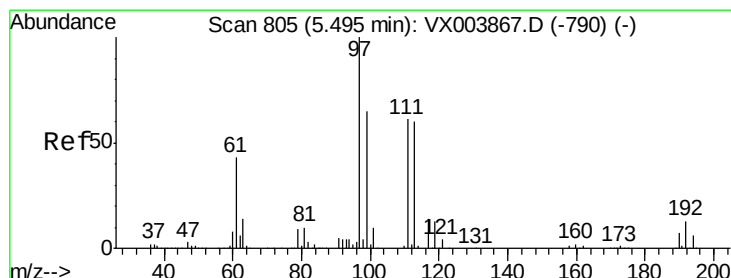
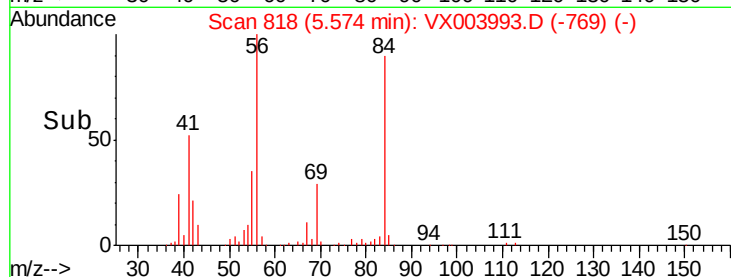
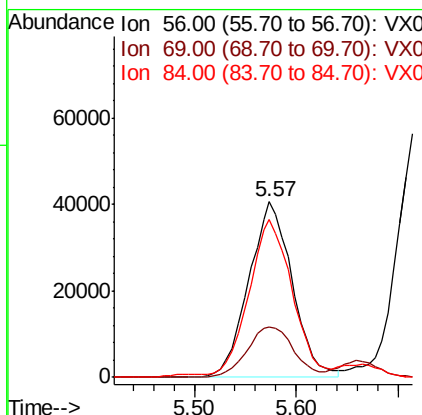
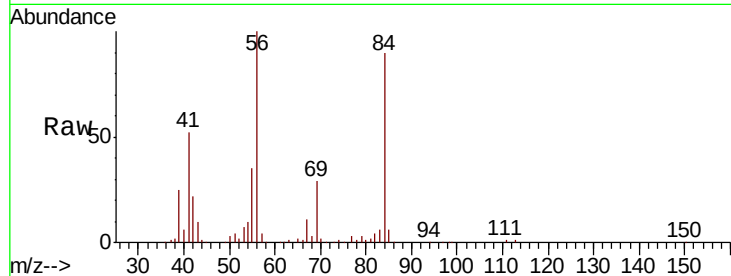
#31
Cyclohexane
Concen: 19.32 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.5	24.9	37.3
84	88.9	71.7	107.5

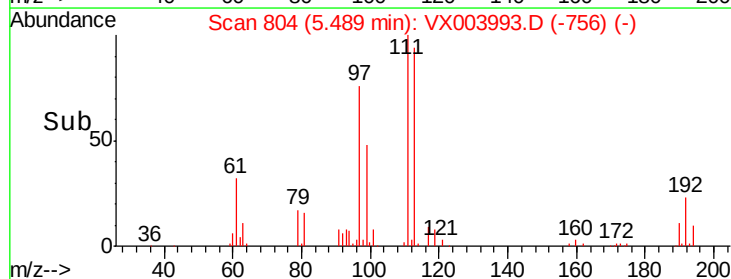
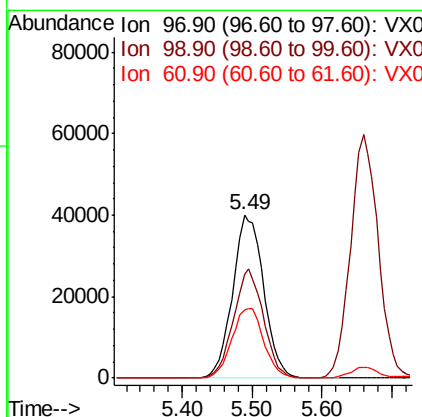
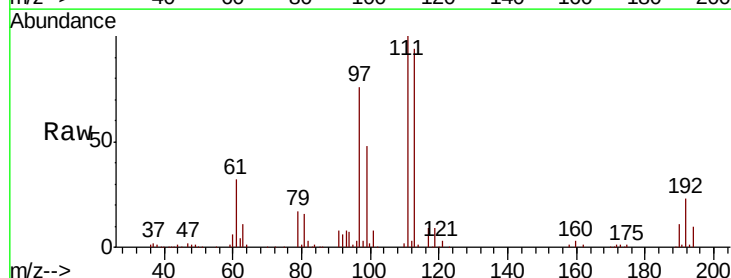
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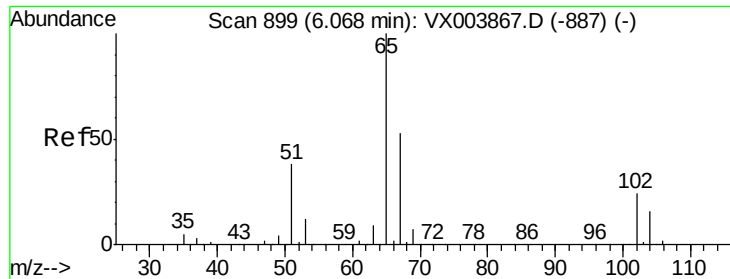
MMDadoda
8/14/2018 12:55:35 PM



#32
1,1,1-Trichloroethane
Concen: 21.23 ug/l
RT: 5.49 min Scan# 804
Delta R.T. -0.01 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.8
61	44.2	34.4	51.6





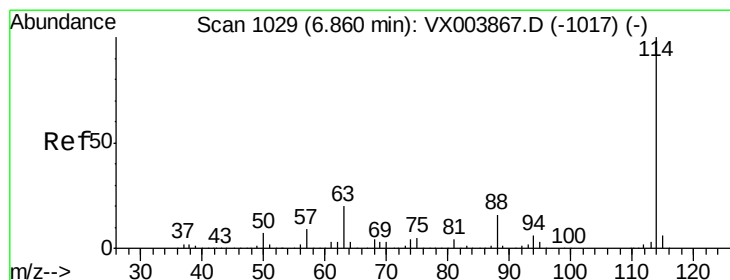
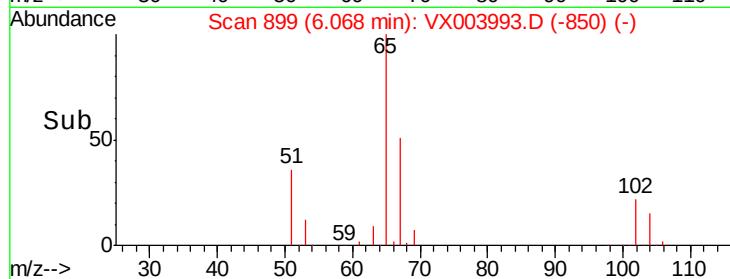
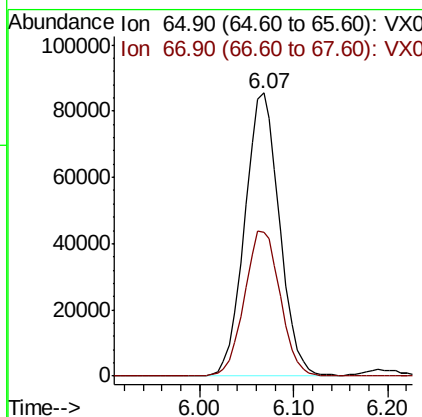
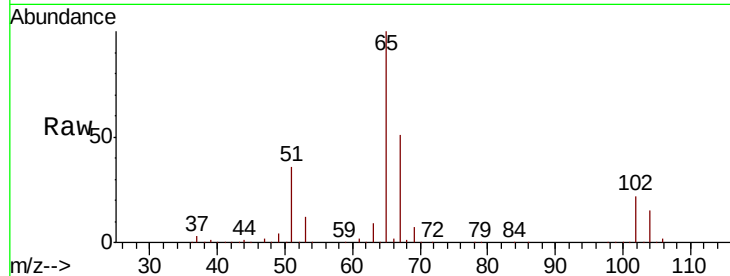
#33
 1,2-Dichloroethane-d4
 Concen: 51.35 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	221265		
67	52.7	0.0	105.8	

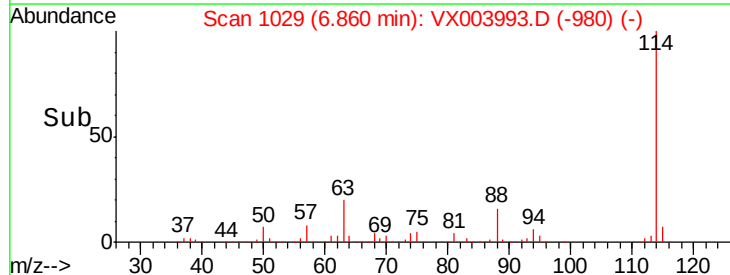
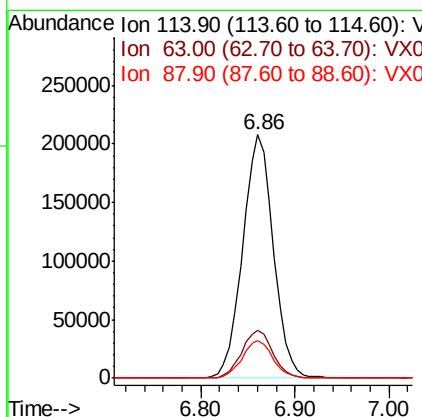
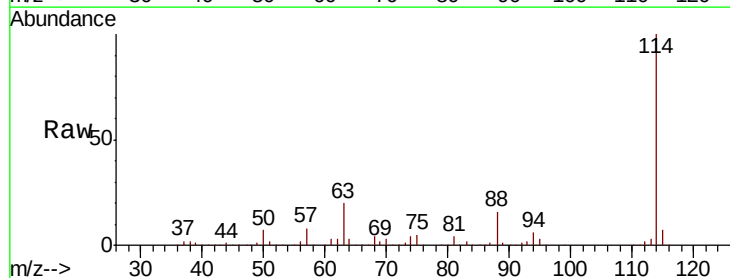
Manual Integrations
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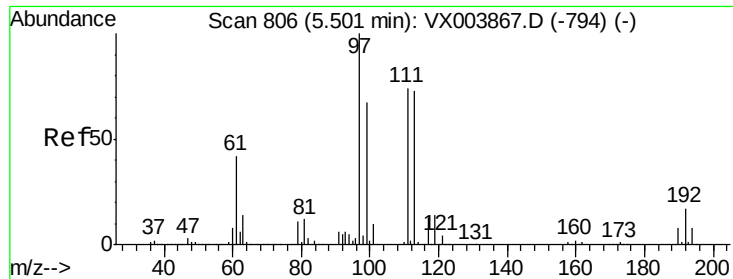
MMDadoda
 8/14/2018 12:55:35 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	473236		
63	19.7	0.0	39.0	
88	15.5	0.0	32.0	





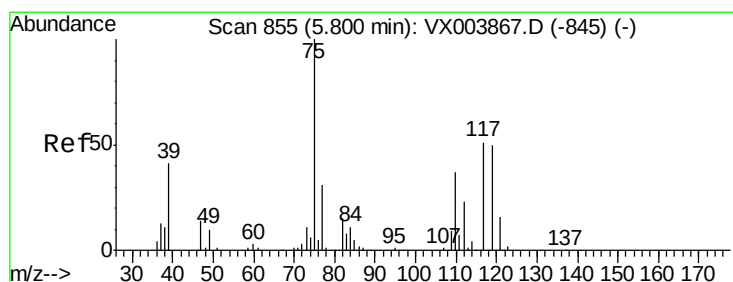
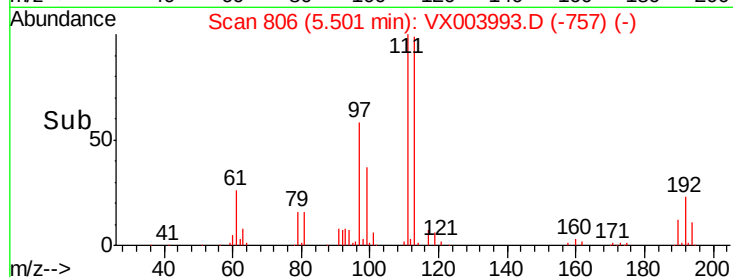
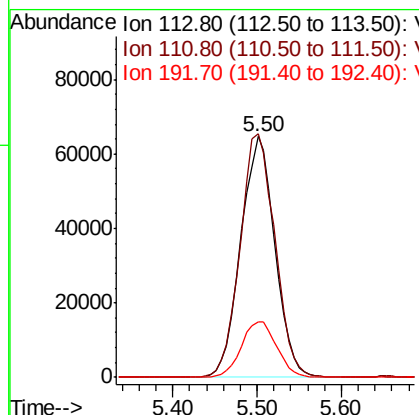
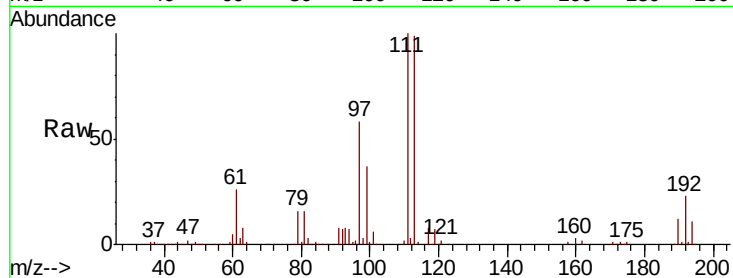
#35
 Dibromofluoromethane
 Concen: 49.32 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	176804		
111	103.2	82.0	123.0	
192	23.8	19.0	28.4	

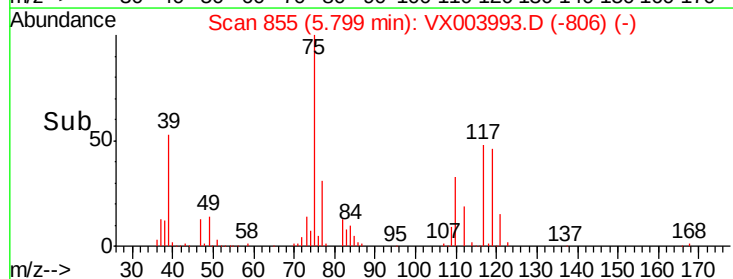
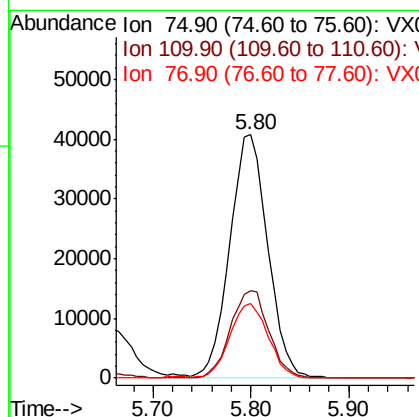
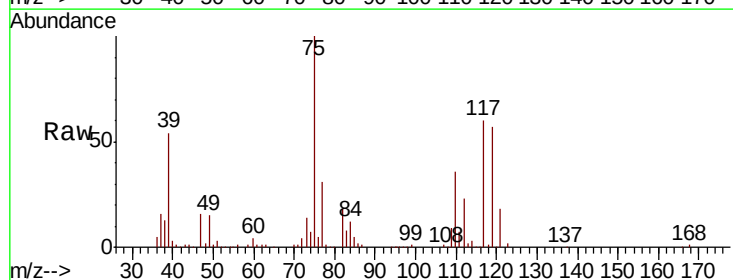
Manual Integrations
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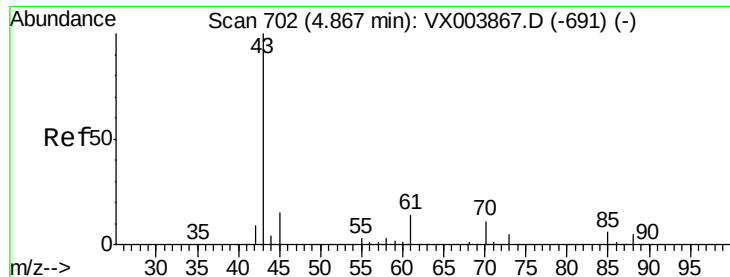
MMDadoda
 8/14/2018 12:55:35 PM



#36
 1,1-Dichloropropene
 Concen: 20.54 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	108865		
110	36.7	18.2	54.6	
77	30.9	25.0	37.4	





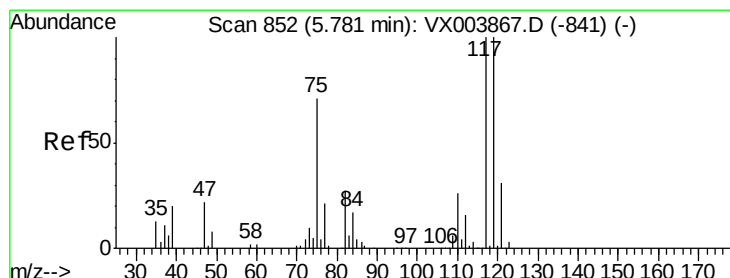
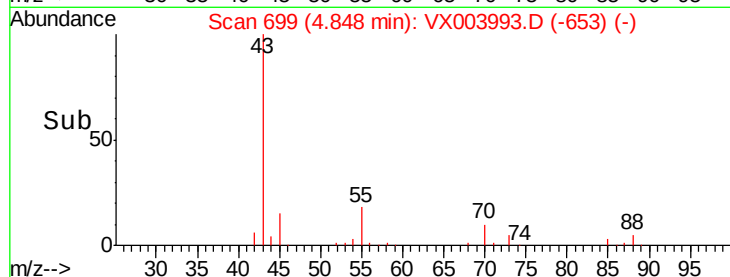
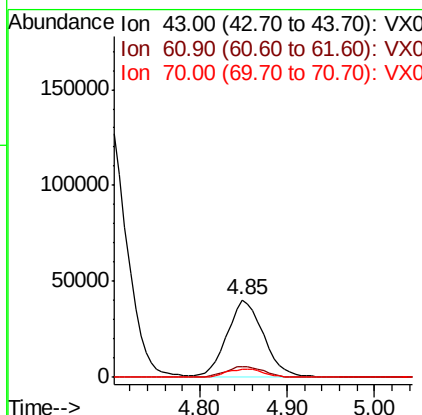
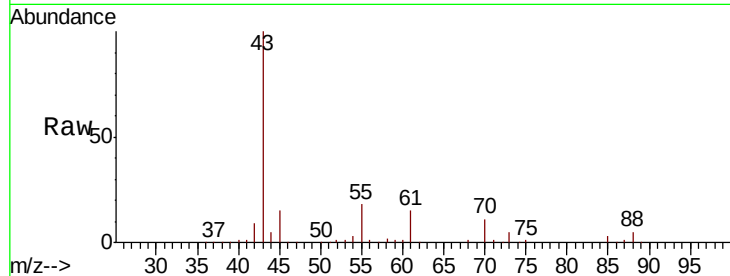
#37
Ethyl Acetate
Concen: 19.99 ug/l
RT: 4.85 min Scan# 699
Delta R.T. -0.02 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	11.5	9.0	13.4

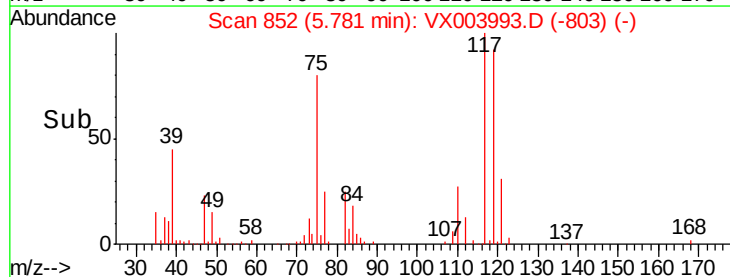
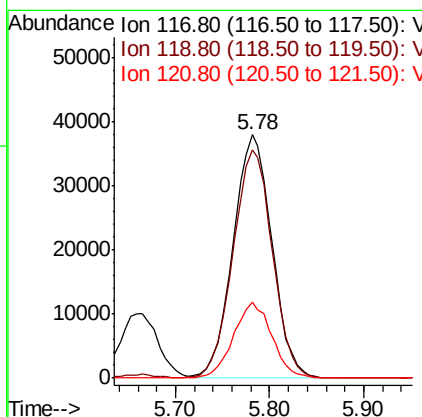
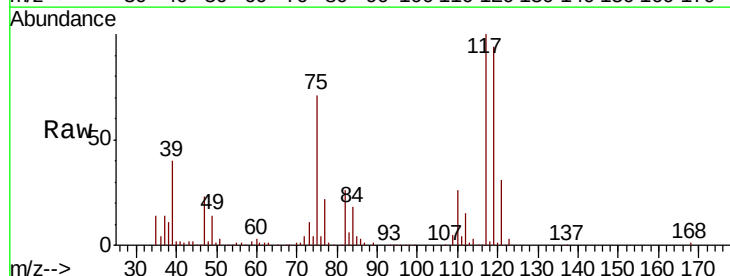
Manual Integrations
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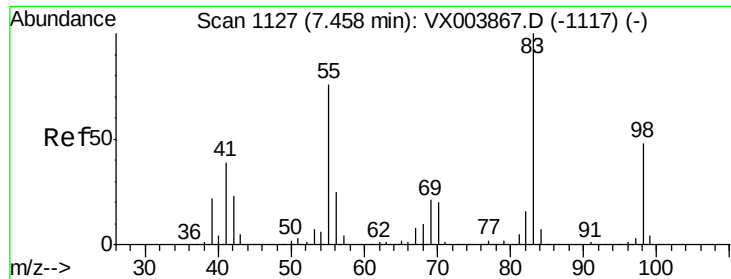
MMDadoda
8/14/2018 12:55:35 PM



#38
Carbon Tetrachloride
Concen: 21.62 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	79.5	119.3
121	31.0	25.0	37.4





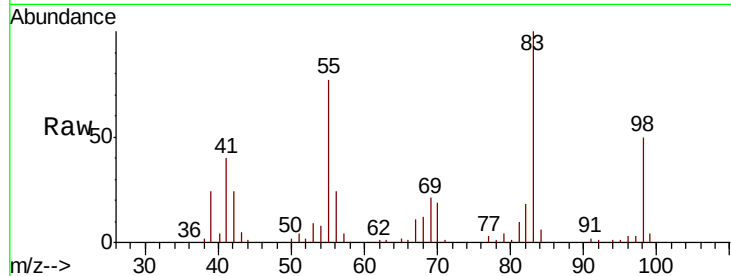
#39
Methylvlcyclohexane
Concen: 20.02 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.2	61.0	91.6
98	49.9	38.6	57.8

Manual Integrations
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8/14/2018 12:55:35 PM

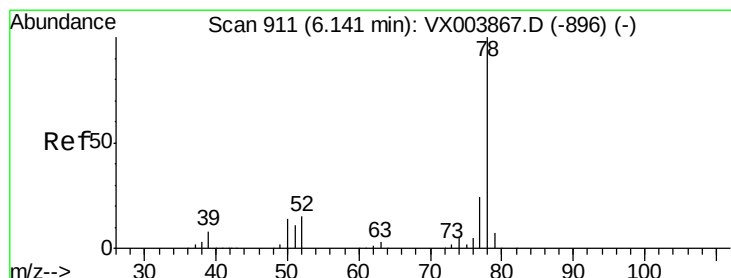
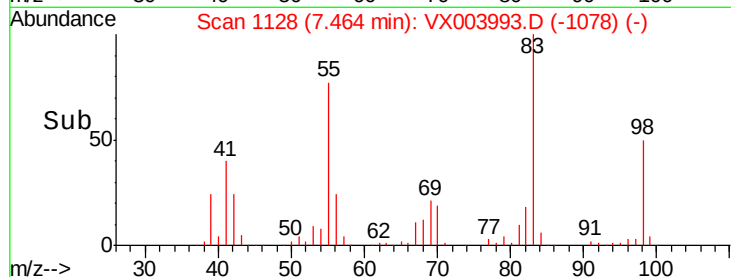
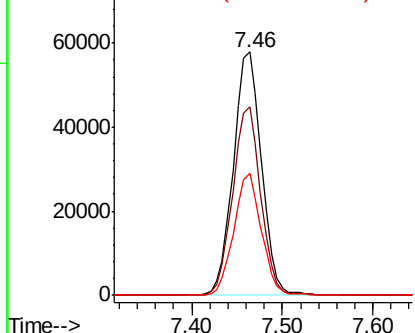


Abundance

Ion 83.00 (82.70 to 83.70): VX0

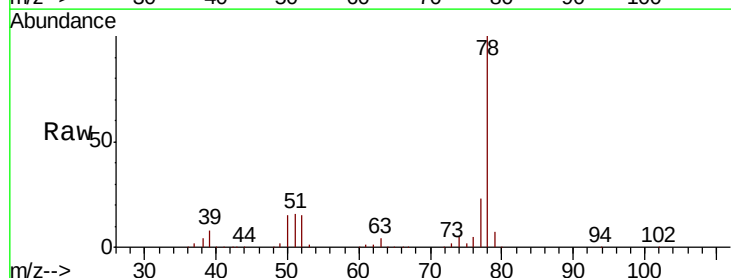
Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40
Benzene
Concen: 20.86 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

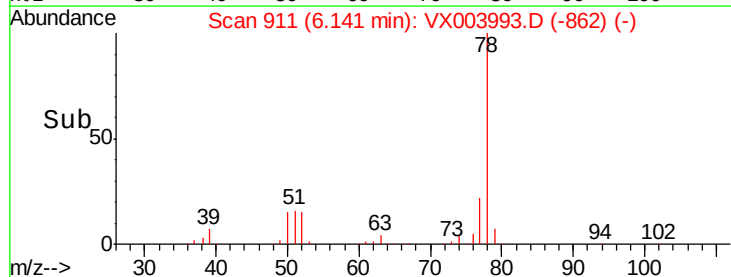
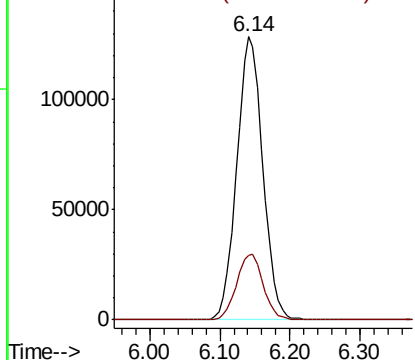
Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.0	28.4

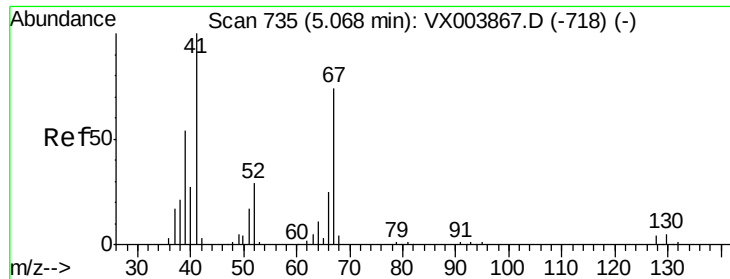


Abundance

Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





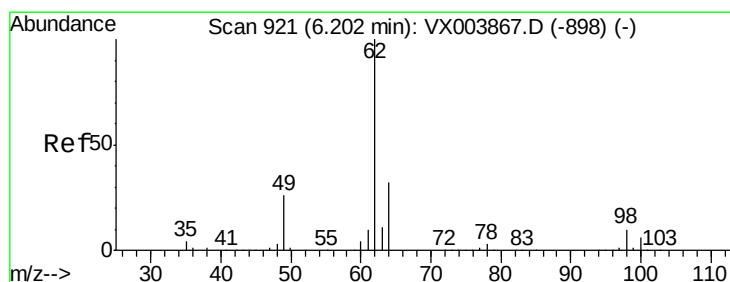
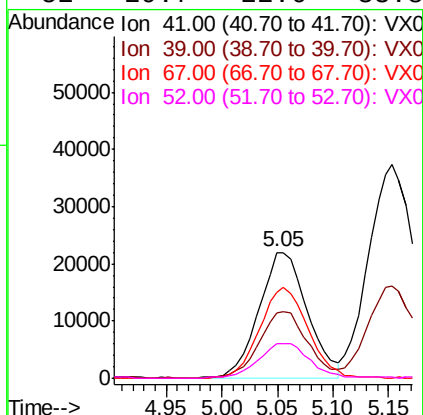
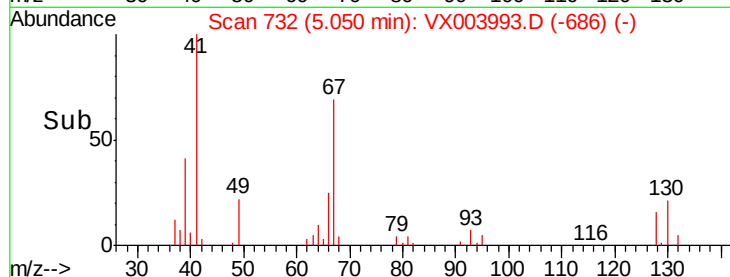
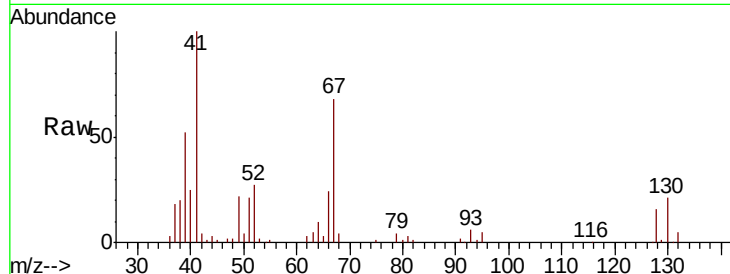
#41
Methacrylonitrile
Concen: 20.59 ug/l
RT: 5.05 min Scan# 732
Delta R.T. -0.02 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.6	42.7	64.1	
67	72.6	58.9	88.3	
52	29.7	22.6	33.8	

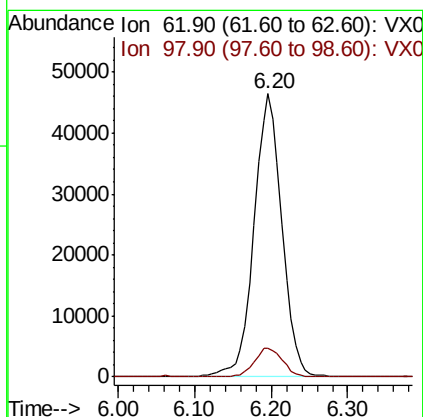
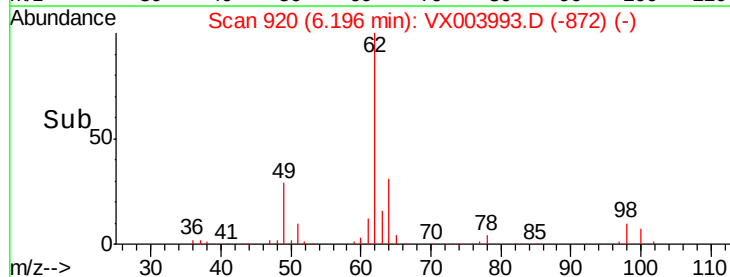
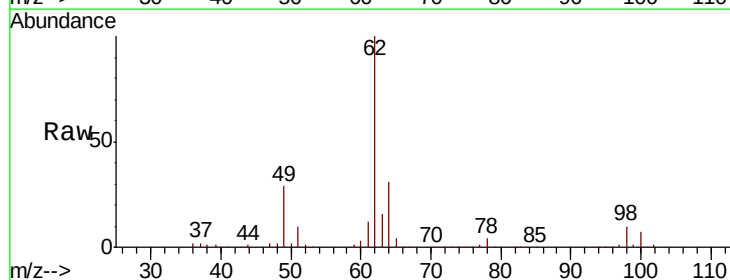
Manual Integrations
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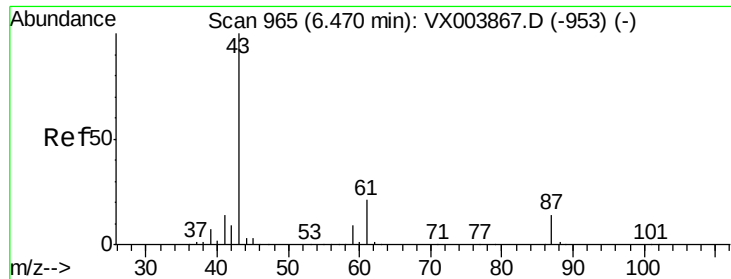
MMDadoda
8/14/2018 12:55:35 PM



#42
1,2-Dichloroethane
Concen: 21.96 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

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





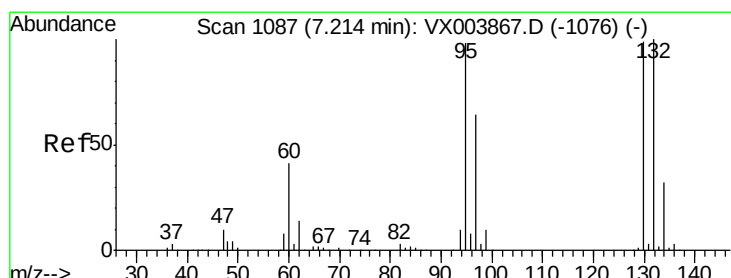
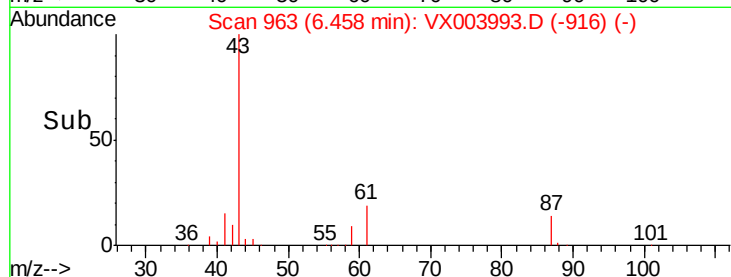
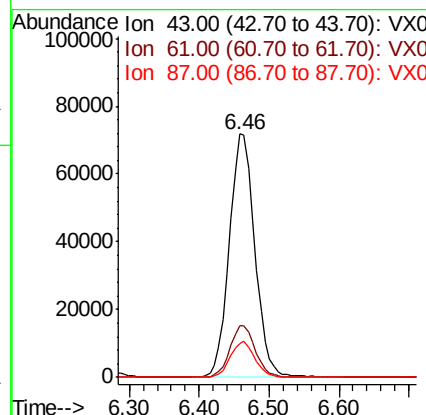
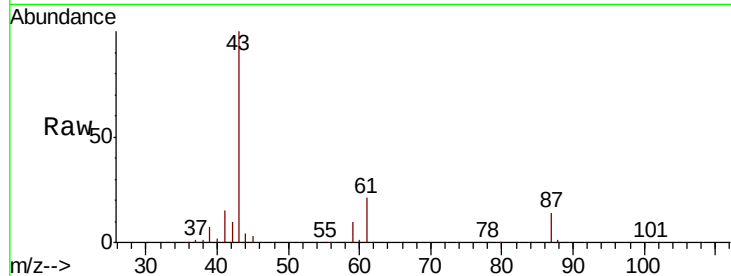
#43
Isopropyl Acetate
Concen: 20.77 ug/l
RT: 6.46 min Scan# 963
Delta R.T. -0.01 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.9	25.3
87	14.2	11.3	16.9

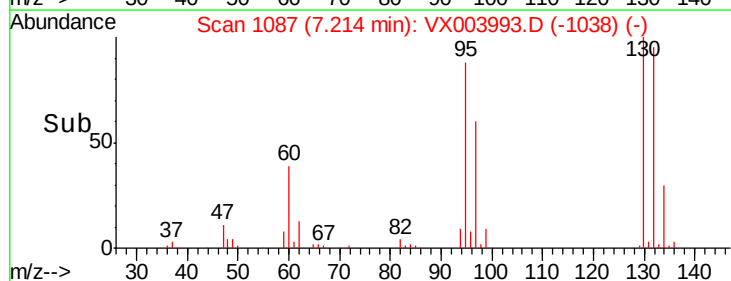
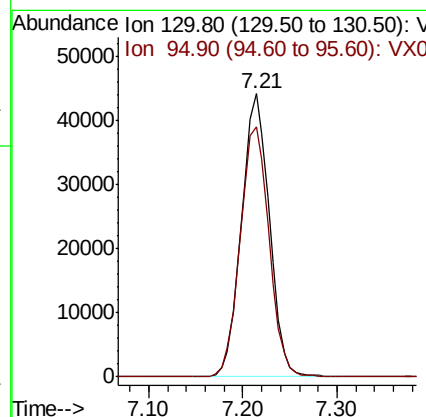
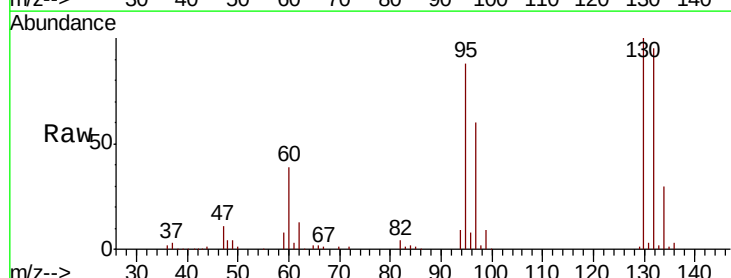
Manual Integrations
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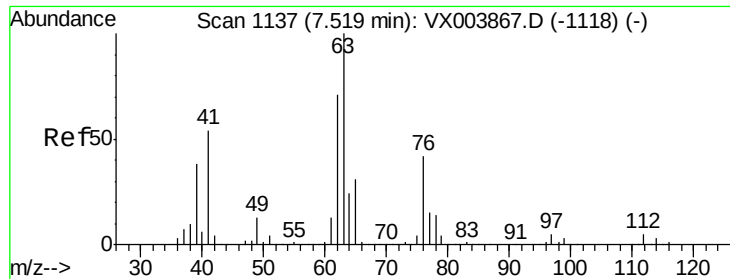
MMDadoda
8/14/2018 12:55:35 PM



#44
Trichloroethene
Concen: 21.09 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.2	0.0	199.4





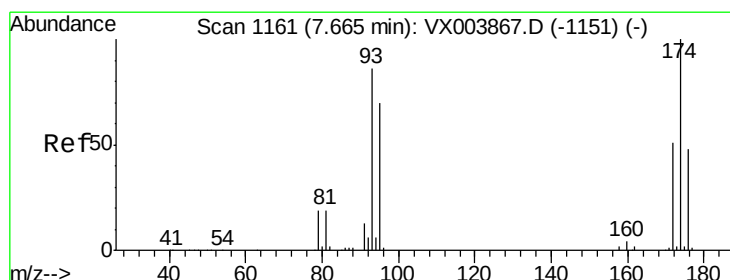
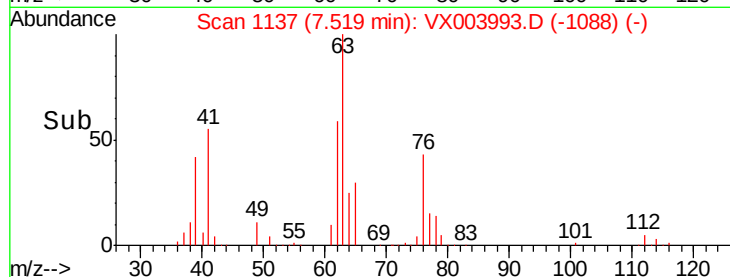
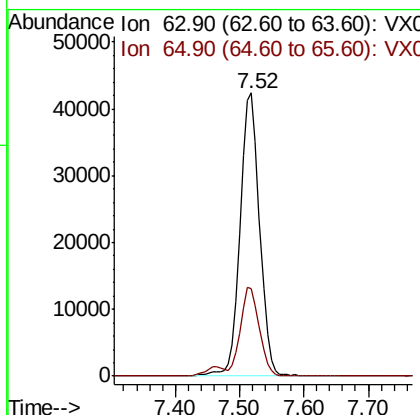
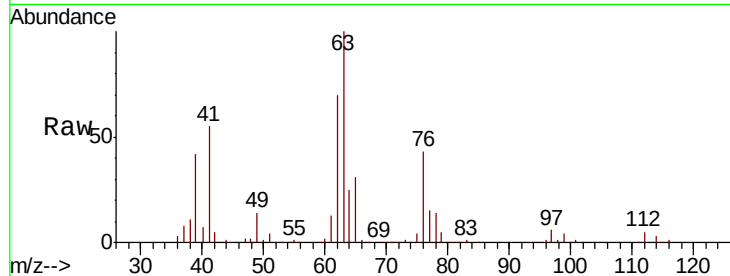
#45
 1,2-Dichloropropane
 Concen: 21.61 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBS01

Tot Ion	63	Resp	88831
Ion Ratio	Lower	Upper	
63	100		
65	31.0	24.6	36.8

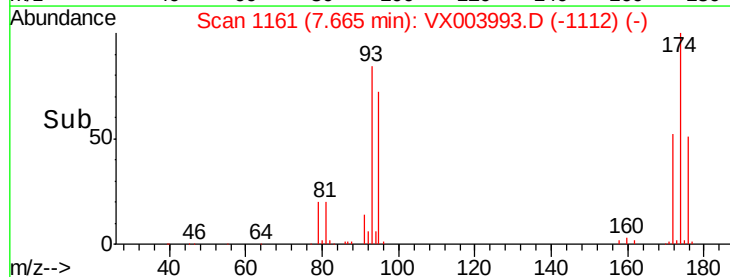
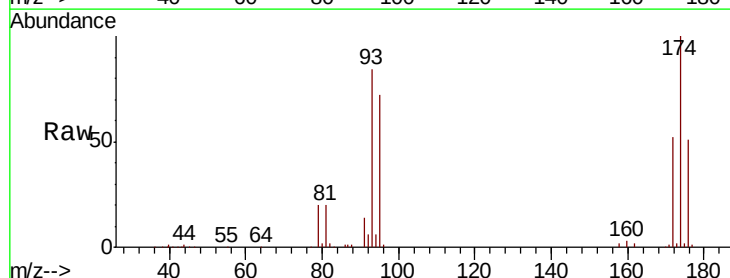
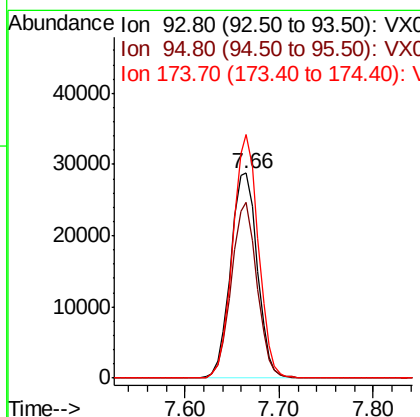
Manual Integrations
 APPROVED

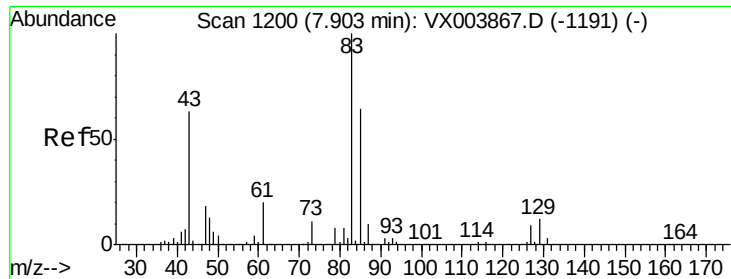
MMDadoda
 8/14/2018 12:55:35 PM



#46
 Dibromomethane
 Concen: 21.33 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Tgt Ion	93	Resp	56907
Ion Ratio	Lower	Upper	
93	100		
95	82.2	66.4	99.6
174	113.4	94.3	141.5





#47

Bromodichloromethane

Concen: 21.51 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

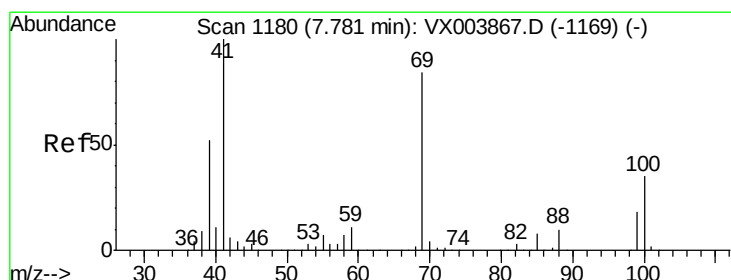
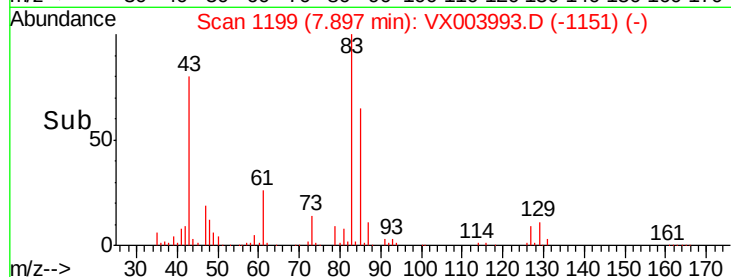
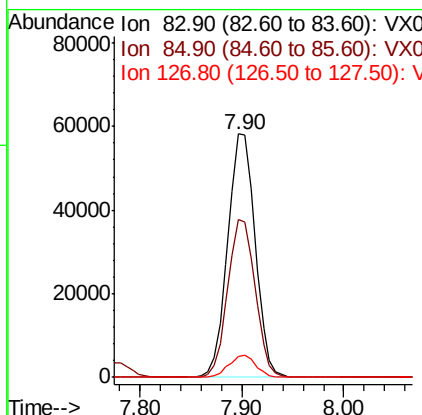
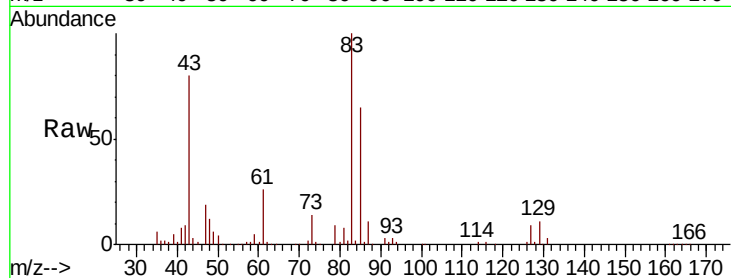
ClientSampleId :

VX0813WBS01

Tot Ion:	83	Resp:	108108
Ion Ratio	Lower	Upper	
83	100		
85	64.9	51.2	76.8
127	8.5	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.64 ug/l

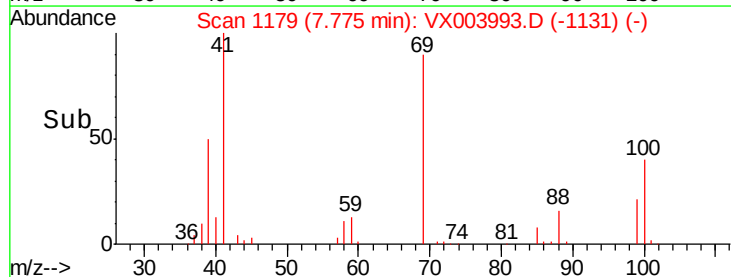
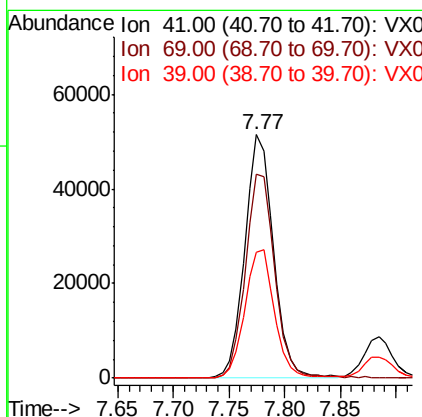
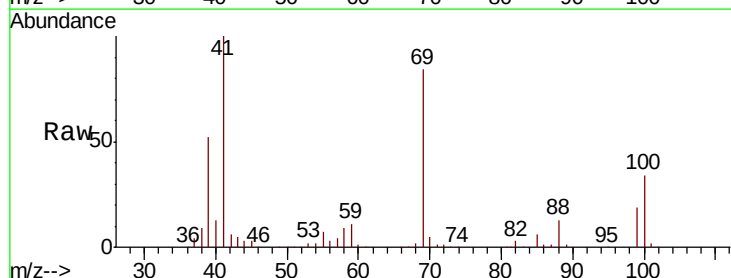
RT: 7.77 min Scan# 1179

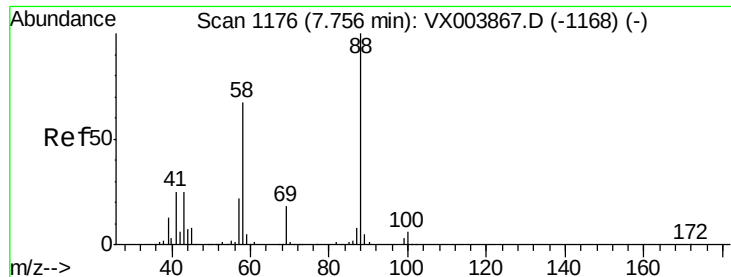
Delta R.T. -0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Tgt Ion:	41	Resp:	92035
Ion Ratio	Lower	Upper	
41	100		
69	86.9	68.8	103.2
39	54.0	42.3	63.5





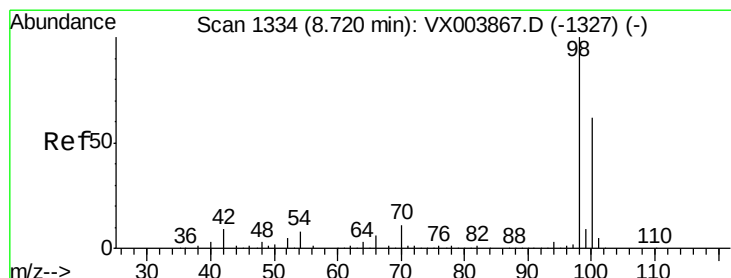
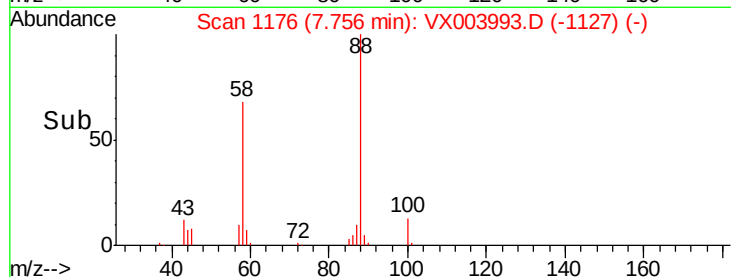
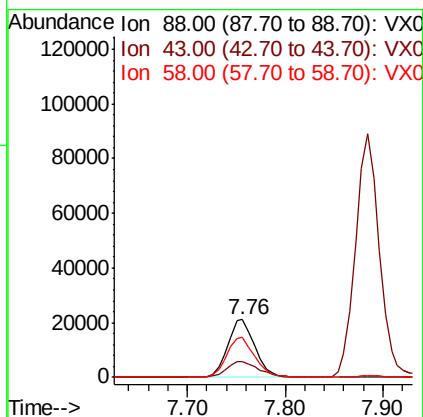
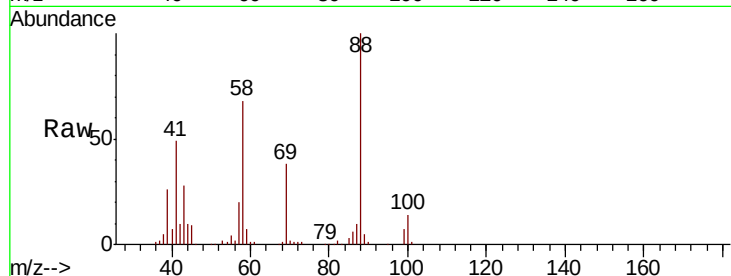
#49
1,4-Dioxane
Concen: 388.21 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	23.8	35.8
58	71.3	55.4	83.0

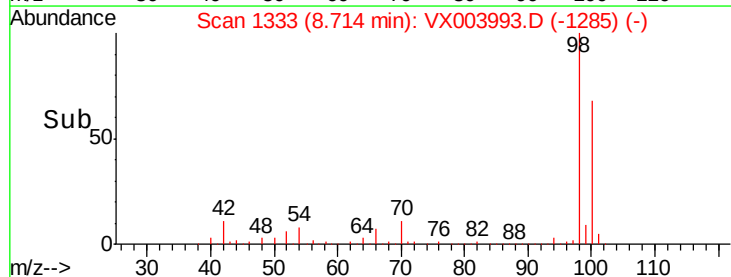
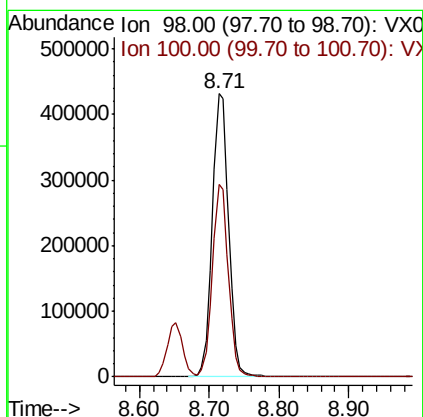
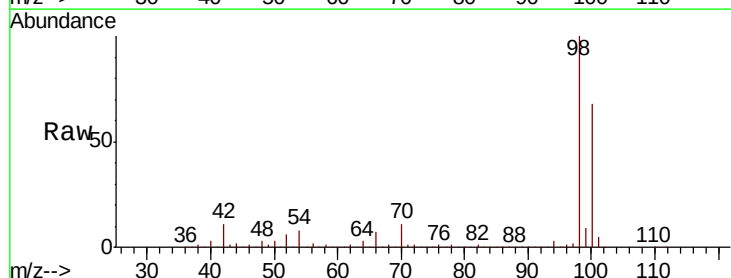
Manual Integrations
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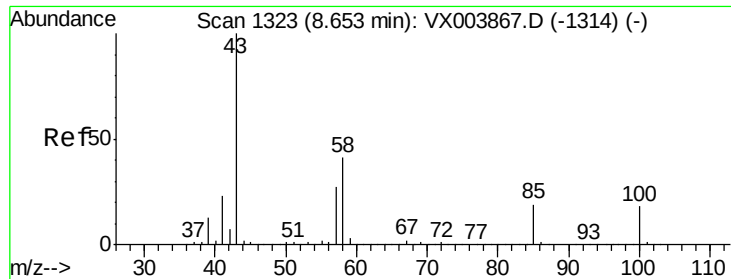
MMDadoda
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#50
Toluene-d8
Concen: 50.32 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 105.34 ug/l

RT: 8.65 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampled :

VX0813WBS01

Tot Ion: 43 Resp: 766115

Ion Ratio Lower Upper

43 100

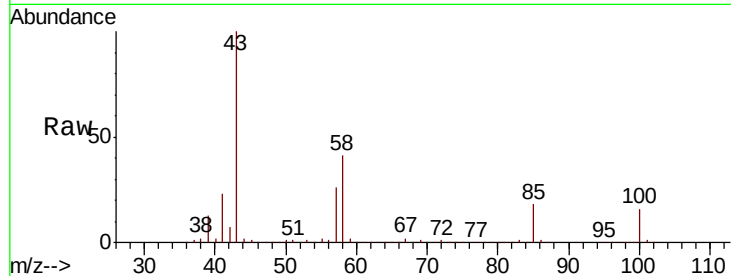
58 40.6 33.0 49.6

Manual Integrations

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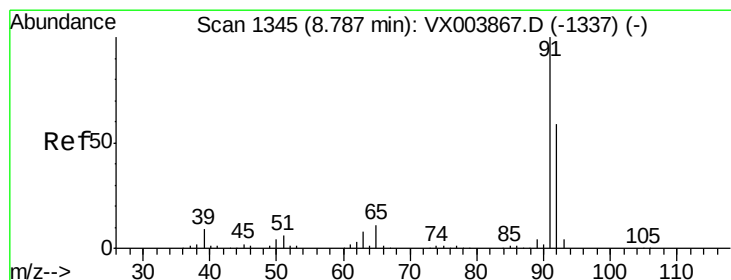
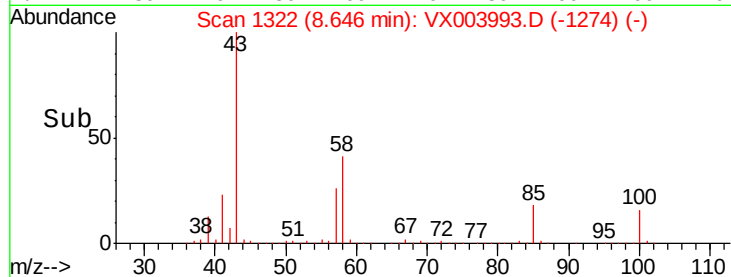
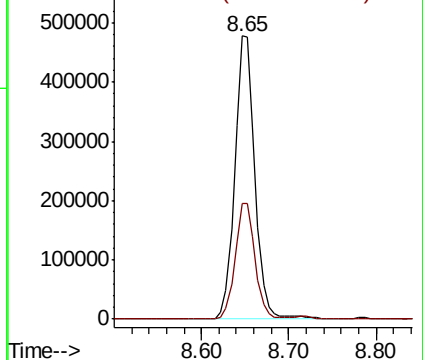
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 21.57 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003993.D

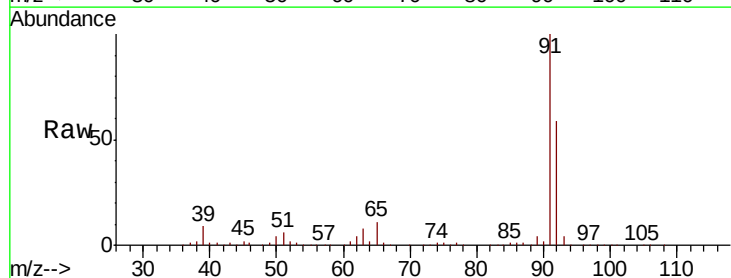
Acq: 13 Aug 2018 12:09

Tgt Ion: 92 Resp: 216890

Ion Ratio Lower Upper

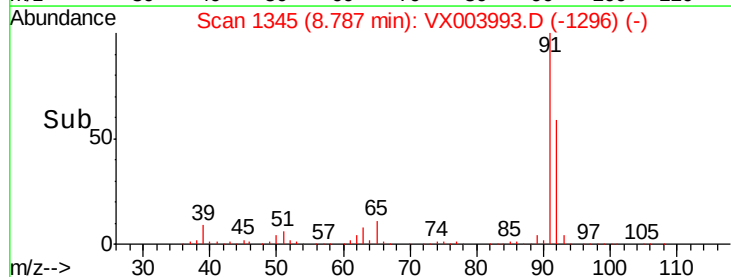
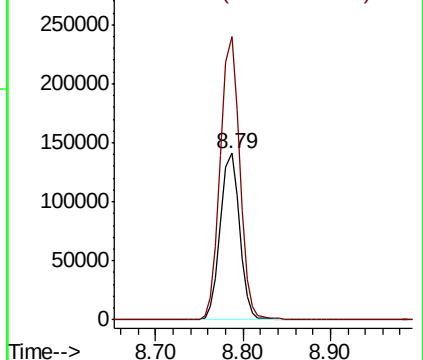
92 100

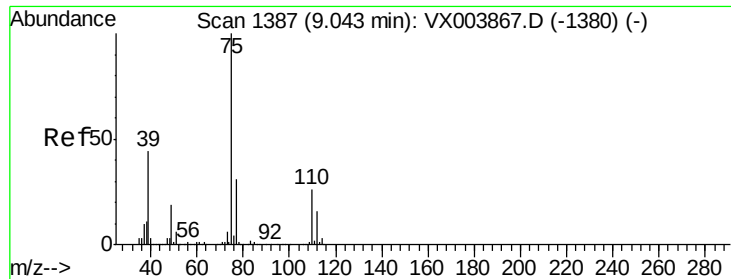
91 170.8 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 20.60 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

Tot Ion: 75 Resp: 117042

Ion Ratio Lower Upper

75 100

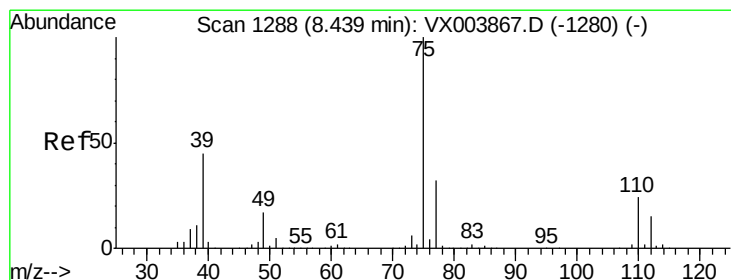
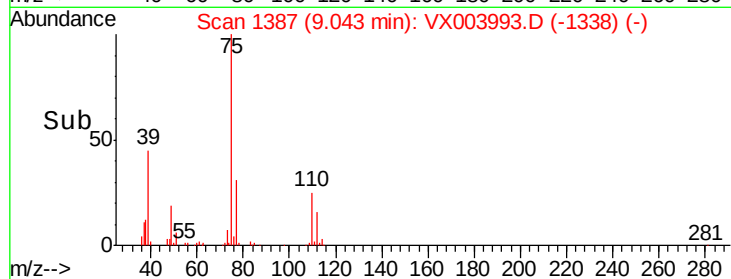
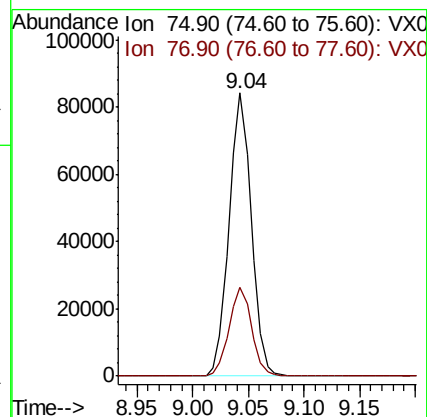
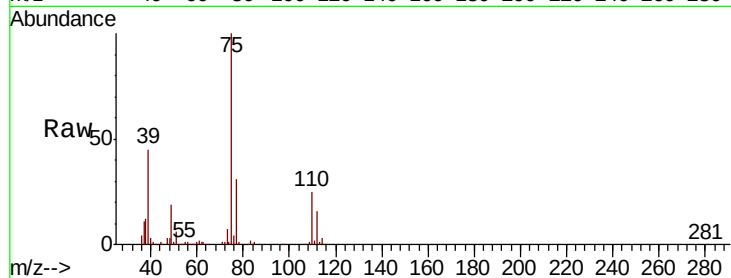
77 31.3 25.1 37.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 21.26 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

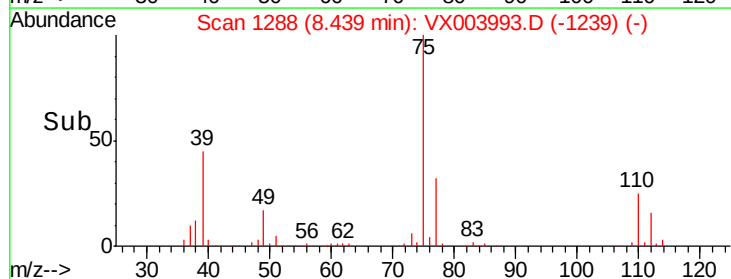
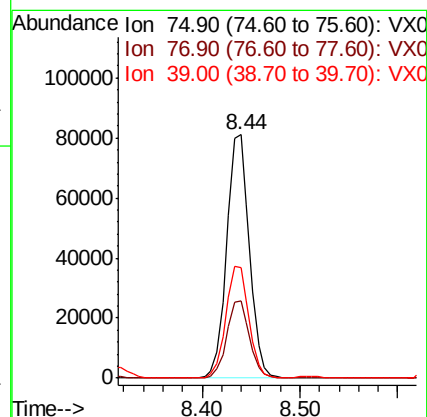
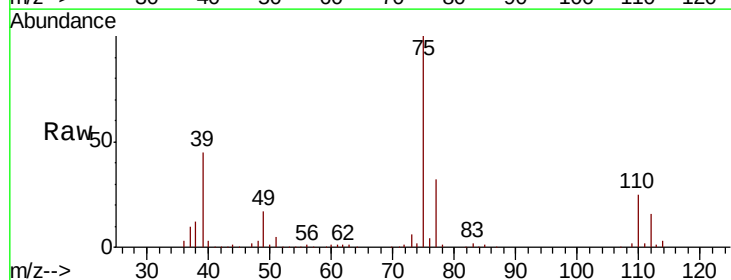
Tgt Ion: 75 Resp: 130223

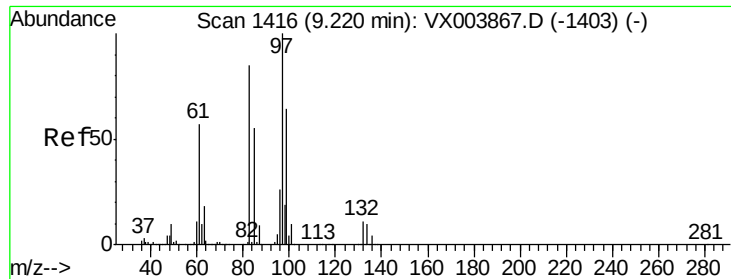
Ion Ratio Lower Upper

75 100

77 31.8 25.3 37.9

39 45.1 36.2 54.2





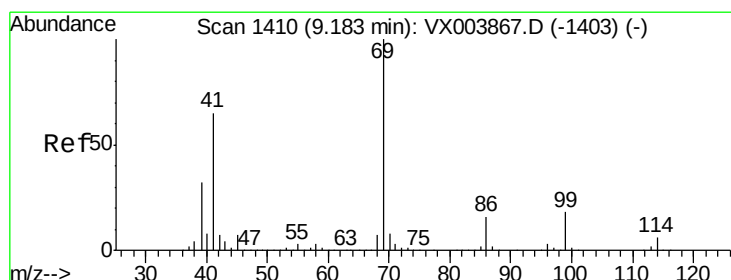
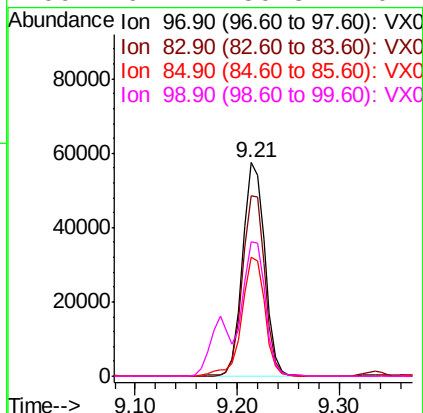
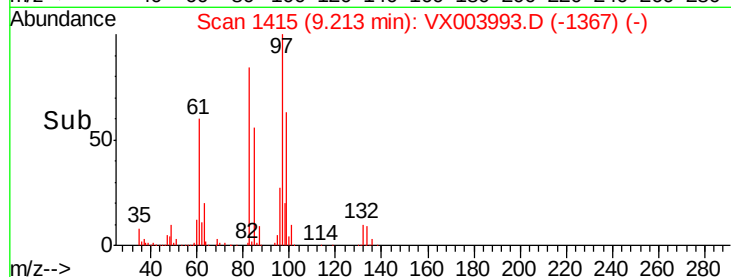
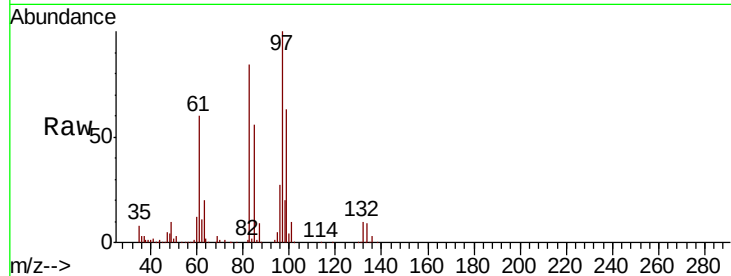
#55
 1,1,2-Trichloroethane
 Concen: 21.15 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		86897		
83	84.5	67.8	101.6		
85	56.0	44.2	66.2		
99	62.7	50.8	76.2		

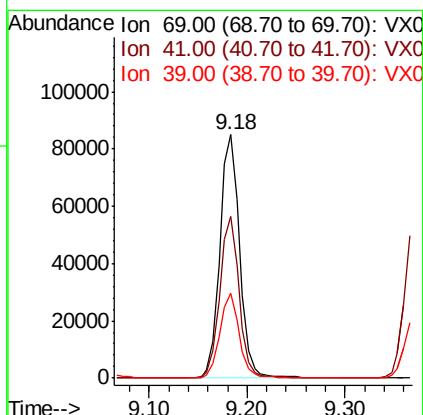
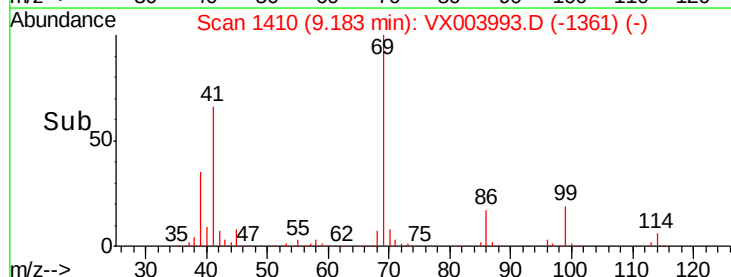
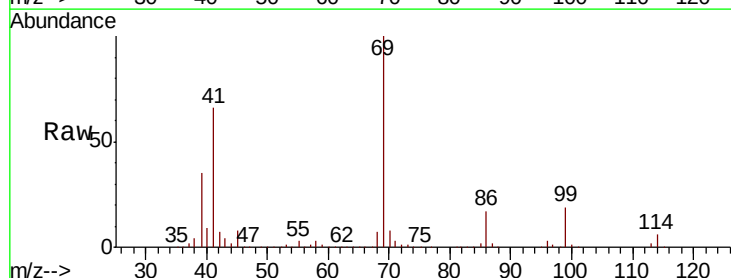
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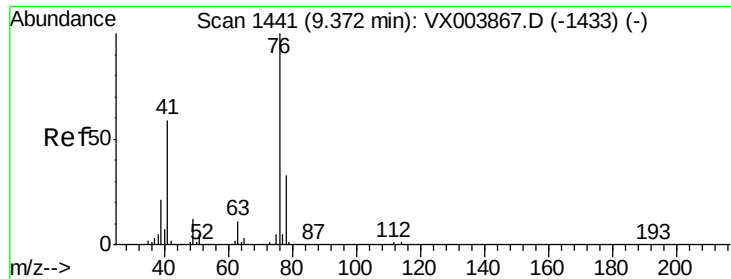
MMDadoda
 8/14/2018 12:55:35 PM



#56
 Ethyl methacrylate
 Concen: 19.95 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		118932		
41	64.6	50.6	76.0		
39	33.9	25.8	38.6		





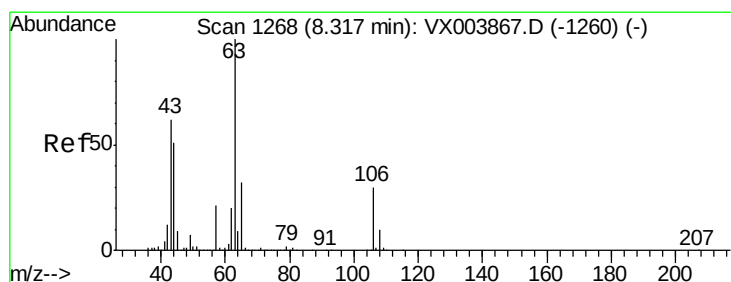
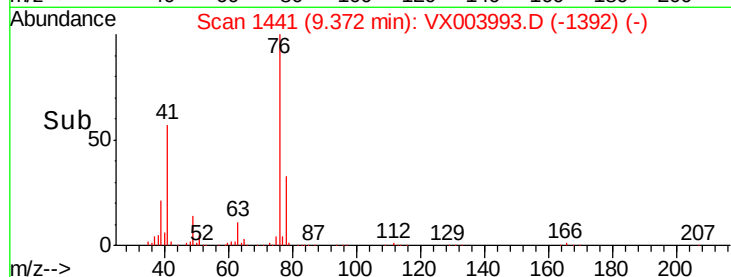
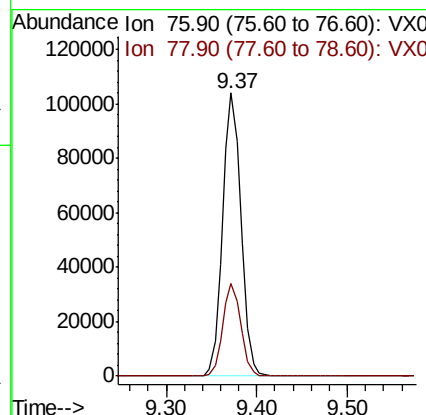
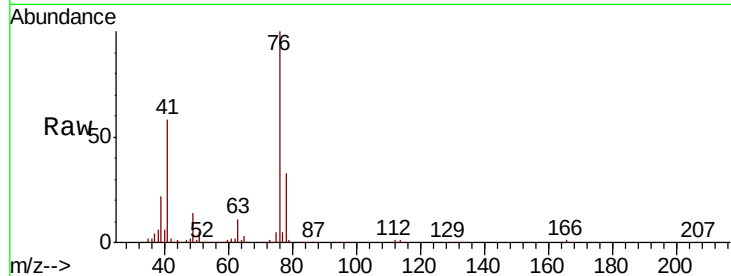
#57
 1,3-Dichloropropane
 Concen: 21.50 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBS01

Tot Ion: 76 Resp: 147854
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.9 38.9

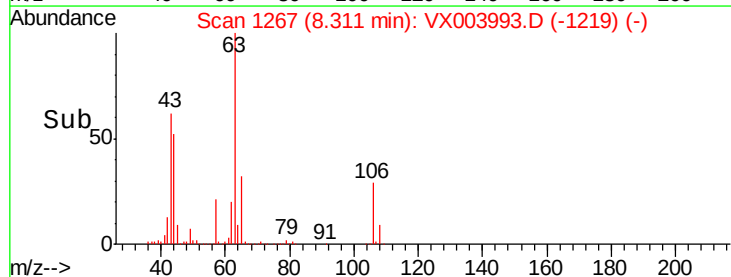
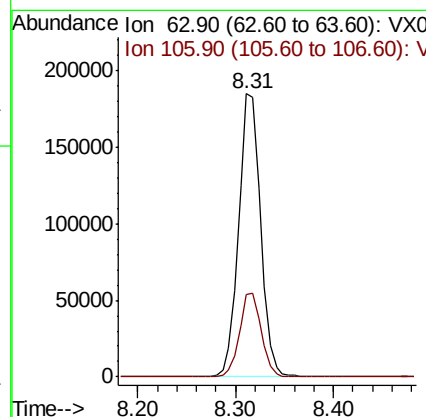
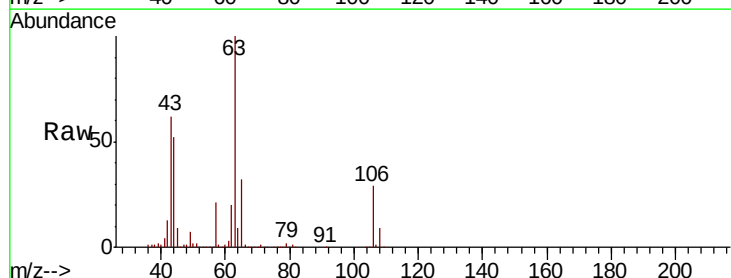
Manual Integrations
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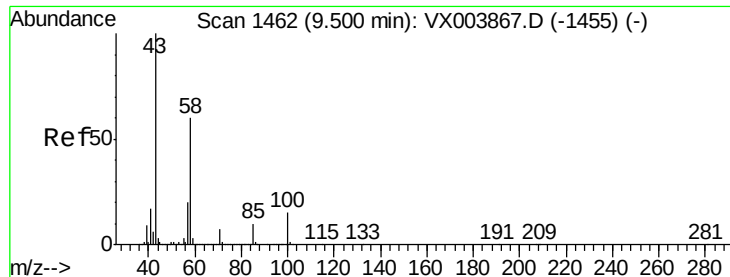
MMDadoda
 8/14/2018 12:55:35 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.17 ug/l
 RT: 8.31 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Tgt Ion: 63 Resp: 287832
 Ion Ratio Lower Upper
 63 100
 106 29.3 23.8 35.8





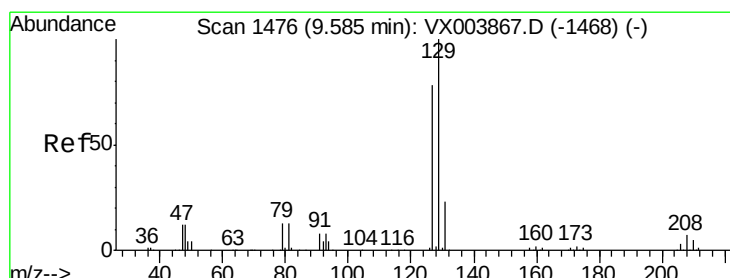
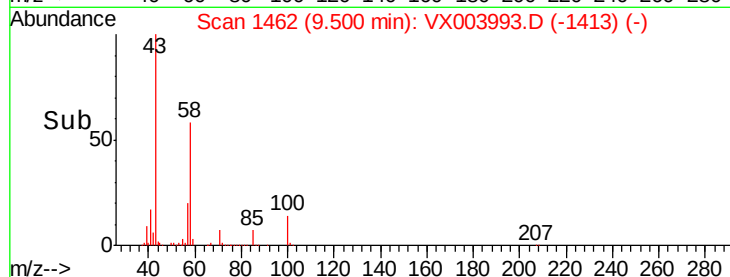
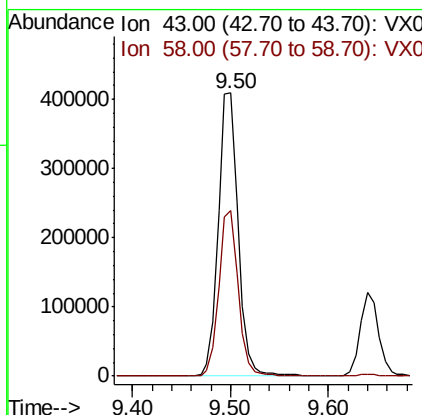
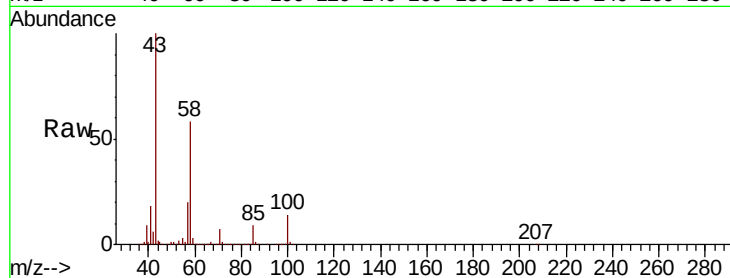
#59
2-Hexanone
Concen: 106.12 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion: 43 Resp: 576917
Ion Ratio Lower Upper
43 100
58 57.2 29.0 87.0

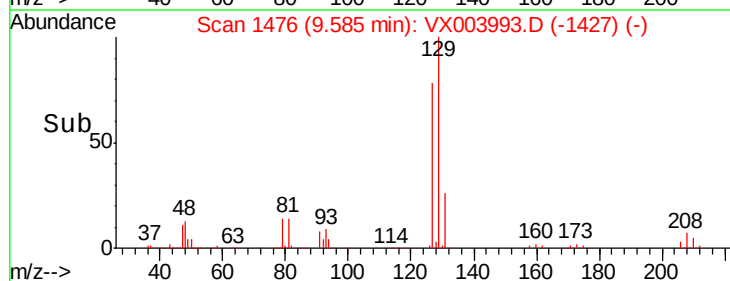
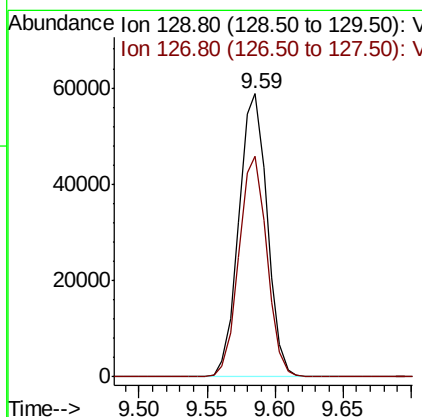
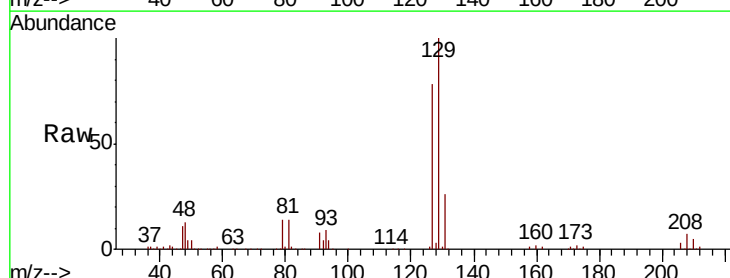
Manual Integrations
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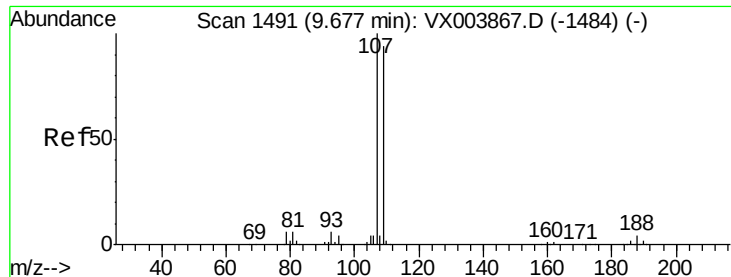
MMDadoda
8/14/2018 12:55:35 PM



#60
Dibromochloromethane
Concen: 22.33 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Tgt Ion: 129 Resp: 85566
Ion Ratio Lower Upper
129 100
127 77.0 38.8 116.3





#61

1,2-Dibromoethane

Concen: 22.02 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

Tot Ion:107 Resp: 90581

Ion Ratio Lower Upper

107 100

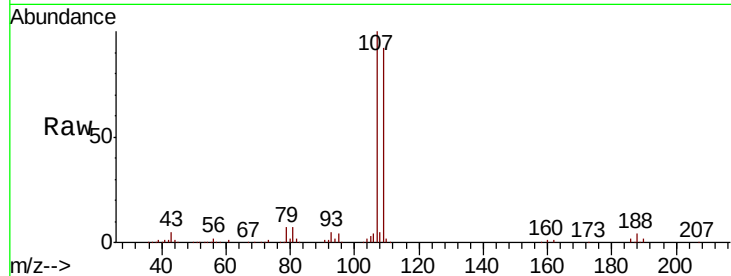
109 94.3 75.8 113.8

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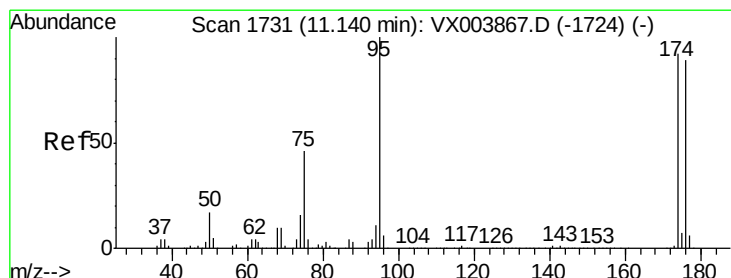
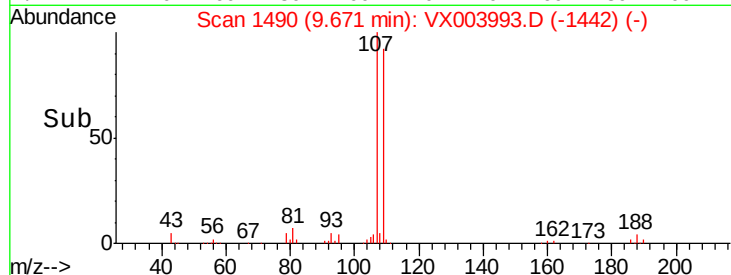
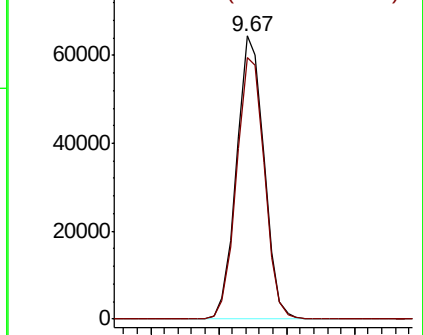
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 56.37 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

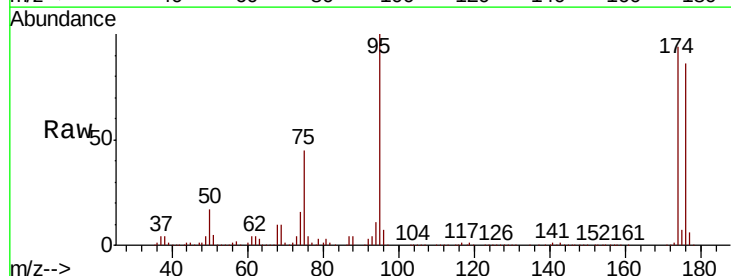
Tgt Ion: 95 Resp: 254290

Ion Ratio Lower Upper

95 100

174 92.1 0.0 182.8

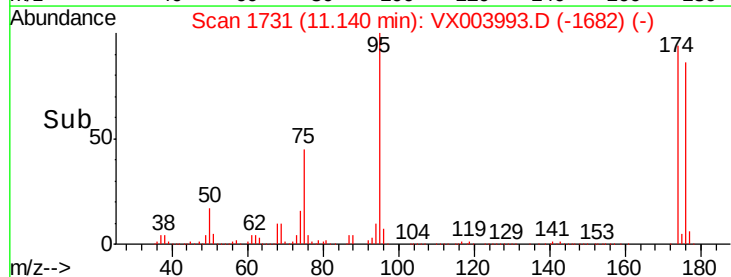
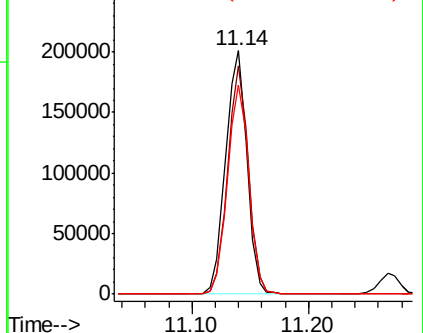
176 86.8 0.0 179.0

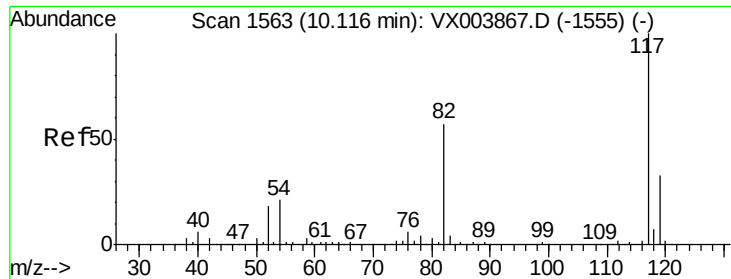


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





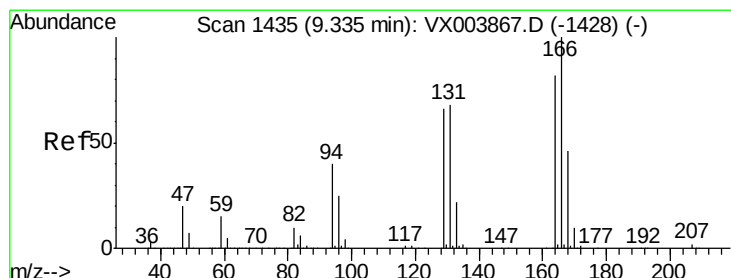
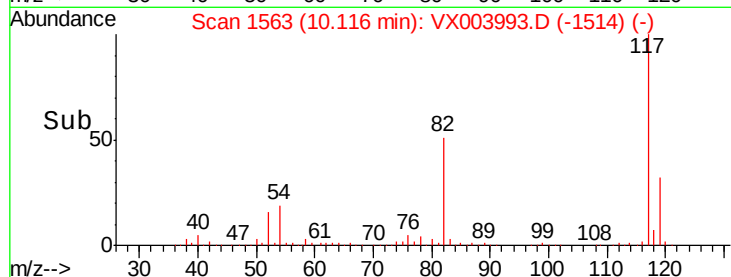
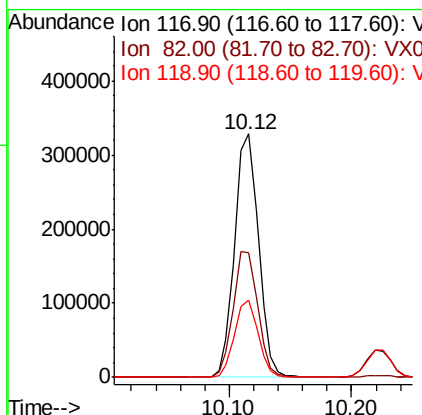
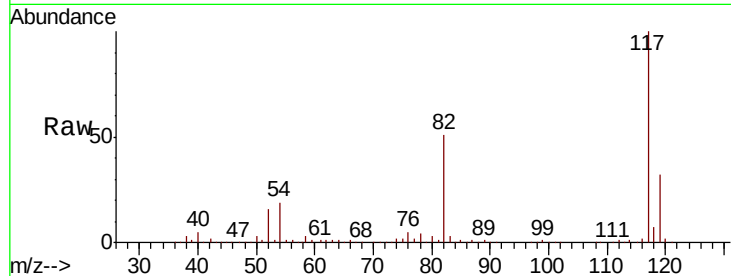
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	45.4	68.0
119	31.5	26.6	40.0

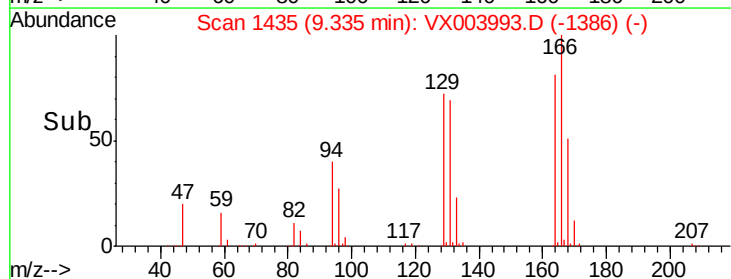
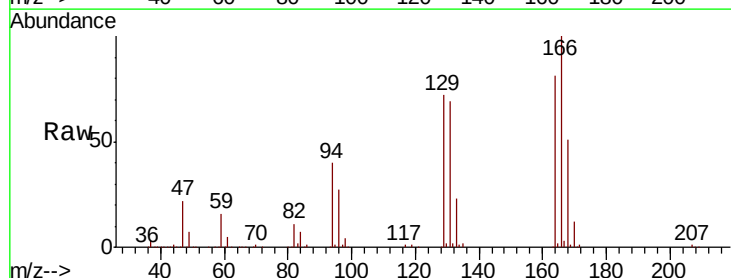
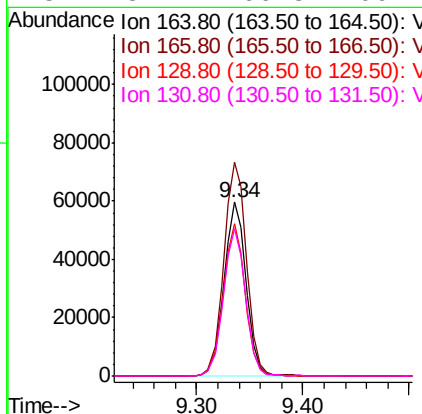
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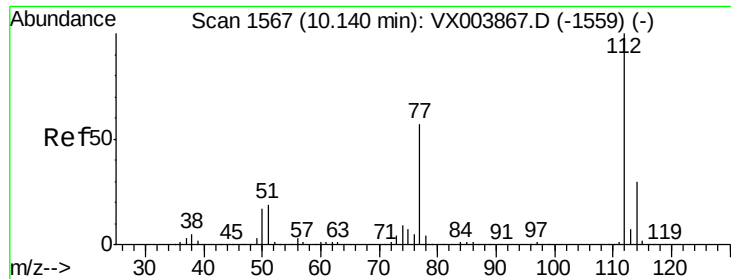
MMDadoda
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#64
Tetrachloroethene
Concen: 19.77 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.9	98.0	147.0
129	87.9	64.3	96.5
131	84.7	66.8	100.2





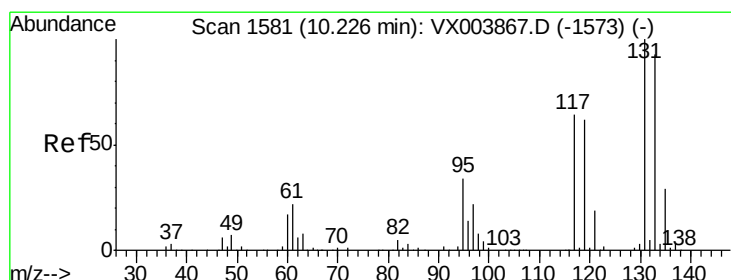
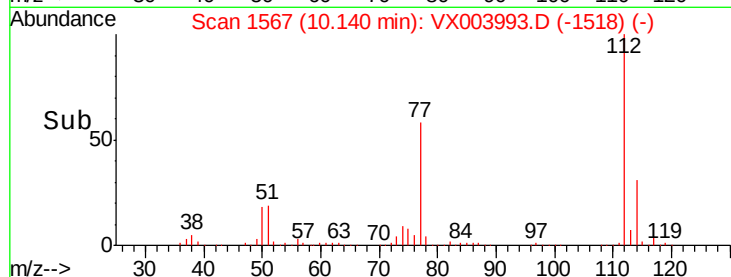
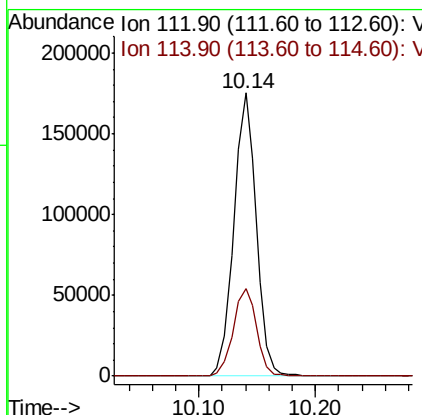
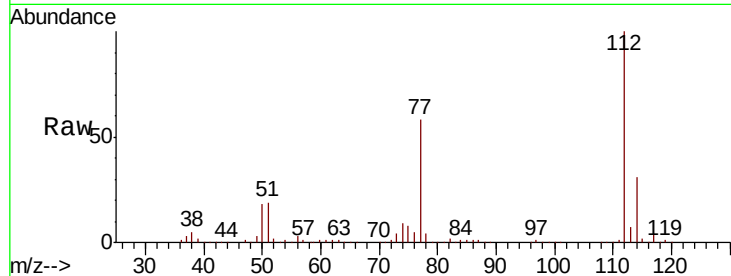
#65
Chlorobenzene
Concen: 20.38 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion:112 Resp: 235455
Ion Ratio Lower Upper
112 100
114 31.1 23.6 35.4

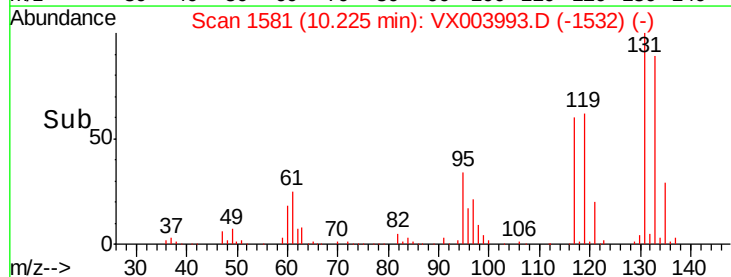
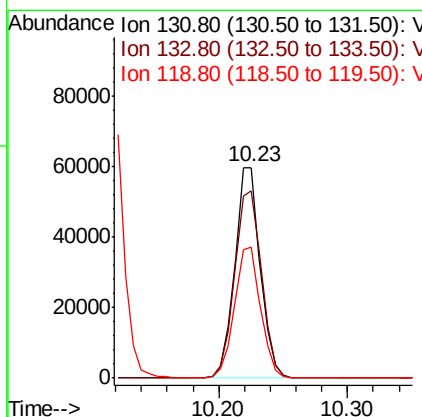
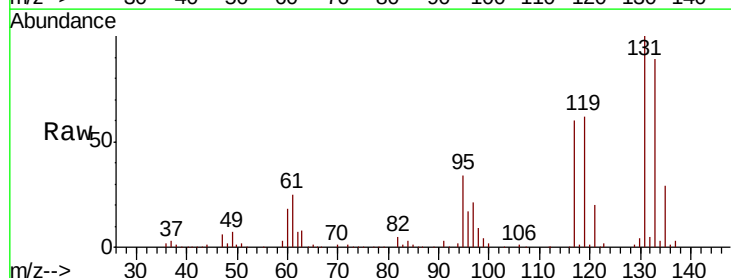
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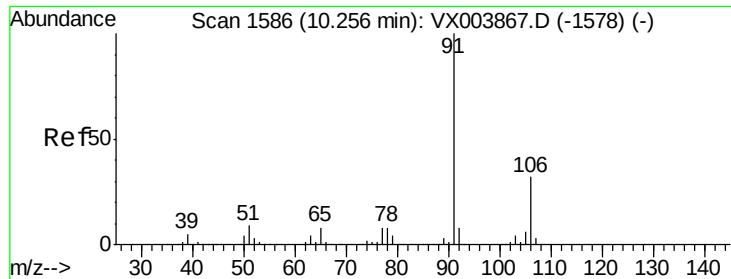
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.69 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Tgt Ion:131 Resp: 82193
Ion Ratio Lower Upper
131 100
133 93.9 47.3 141.8
119 63.9 31.6 94.8





#67

Ethyl Benzene

Concen: 20.74 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

Tot Ion: 91 Resp: 392241

Ion Ratio Lower Upper

91 100

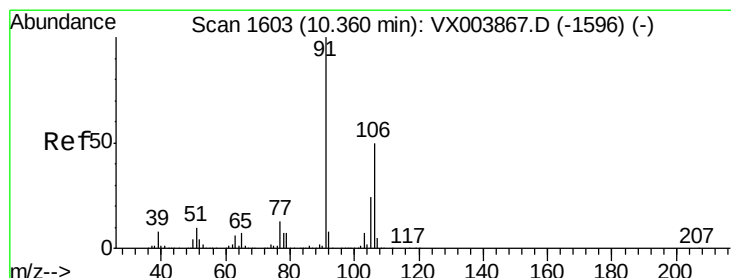
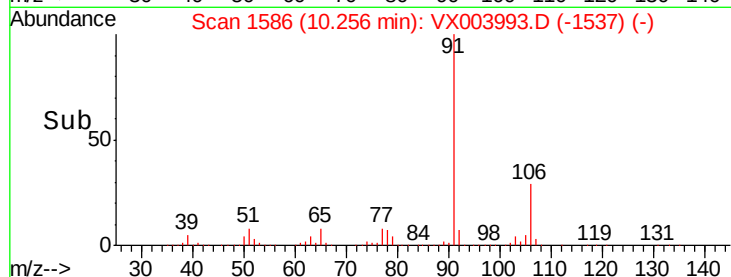
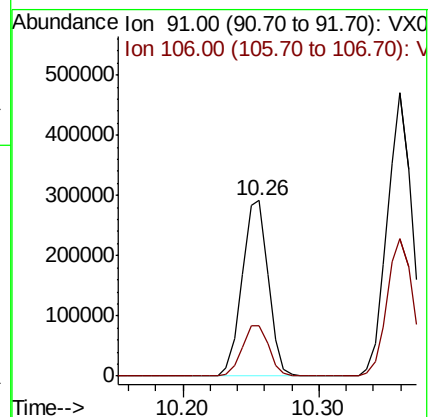
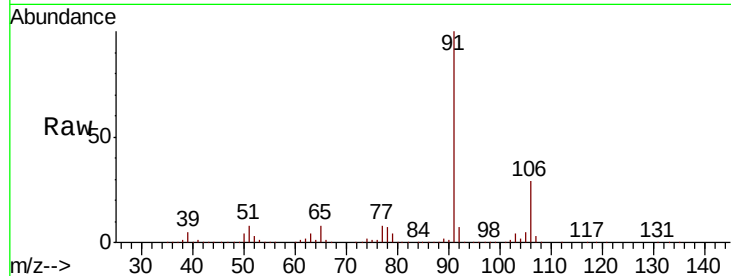
106 28.6 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 41.39 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX003993.D

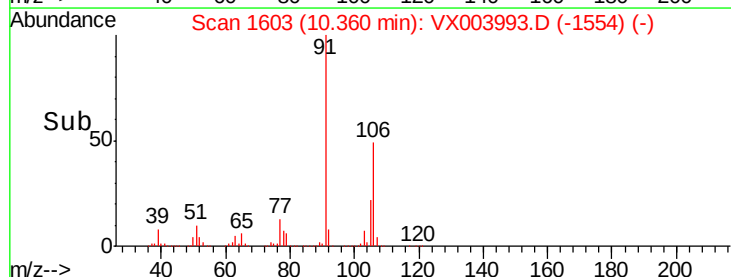
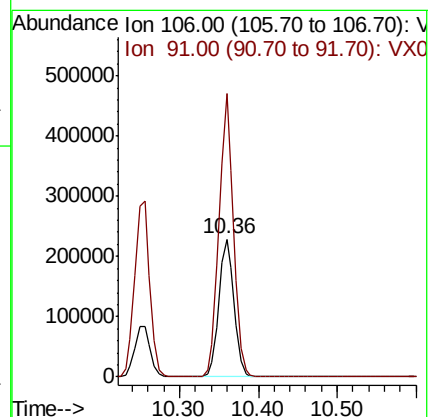
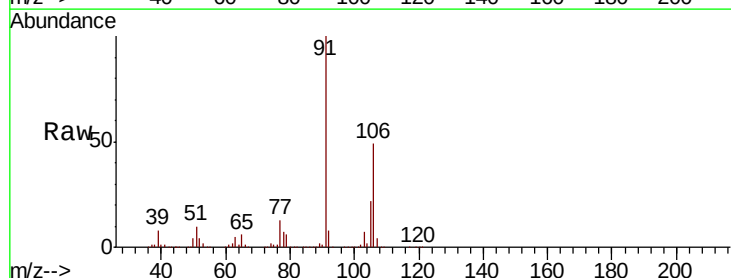
Acq: 13 Aug 2018 12:09

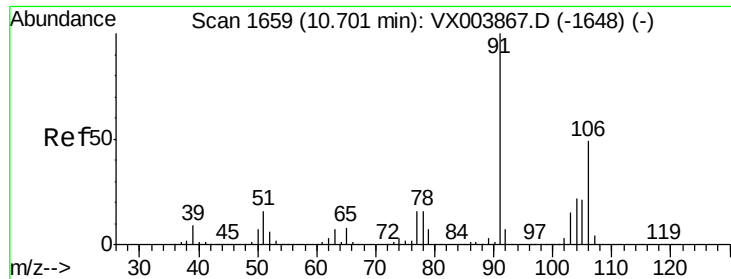
Tgt Ion: 106 Resp: 305893

Ion Ratio Lower Upper

106 100

91 197.3 162.3 243.5





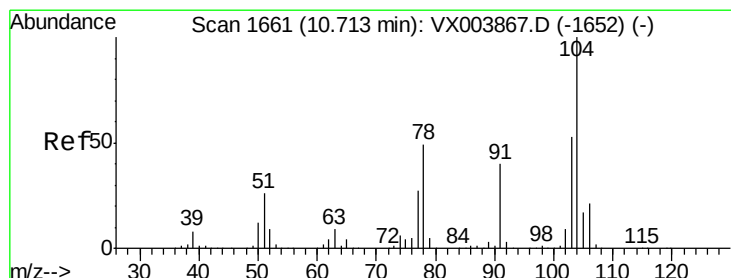
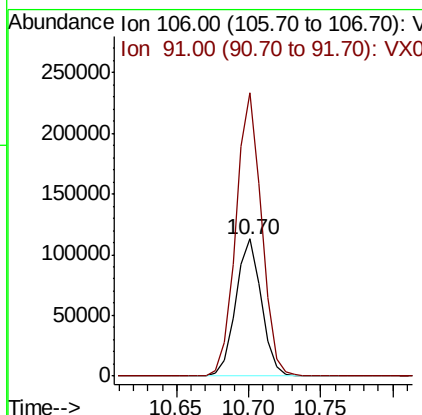
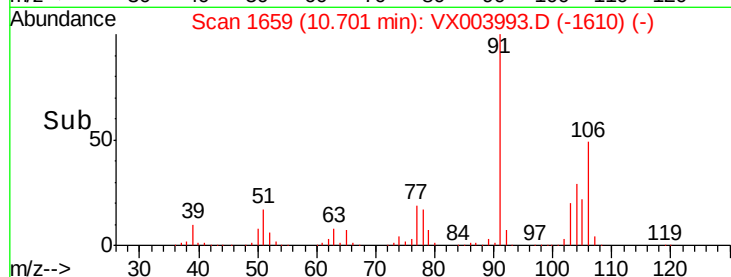
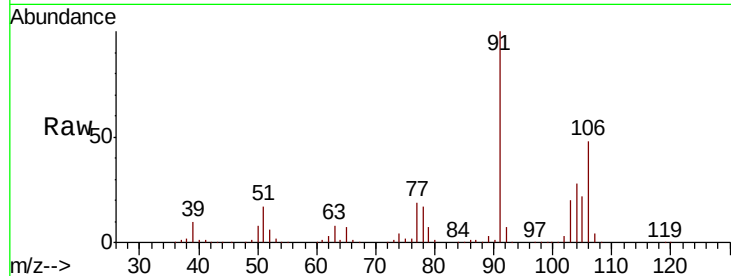
#69
o-Xylene
Concen: 20.17 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion:106 Resp: 140733
Ion Ratio Lower Upper
106 100
91 206.4 101.9 305.7

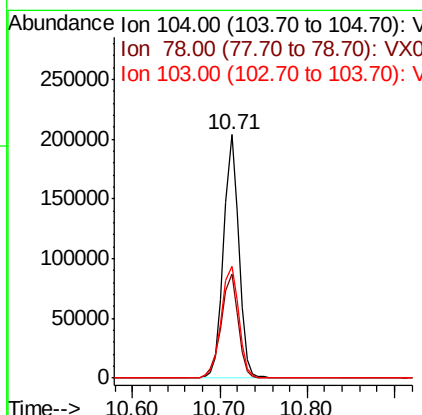
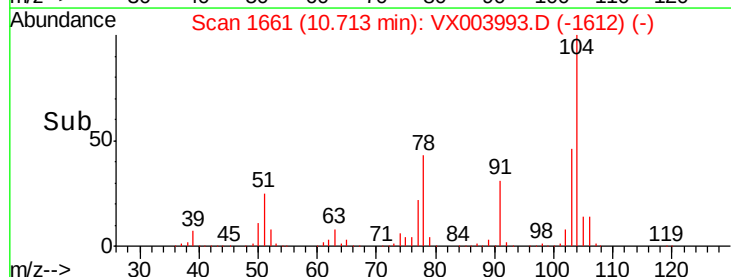
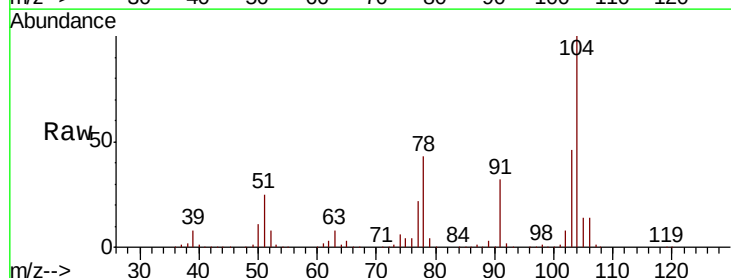
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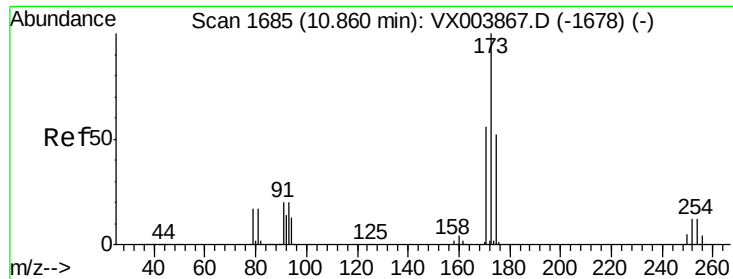
MMDadoda
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#70
Styrene
Concen: 21.34 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Tgt Ion:104 Resp: 243825
Ion Ratio Lower Upper
104 100
78 47.9 39.8 59.6
103 53.5 44.3 66.5





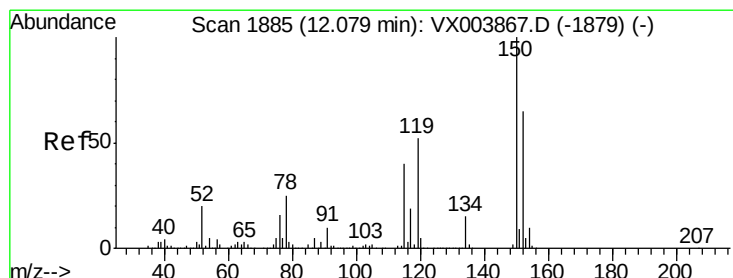
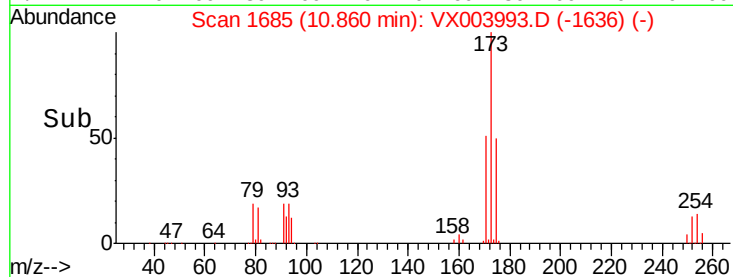
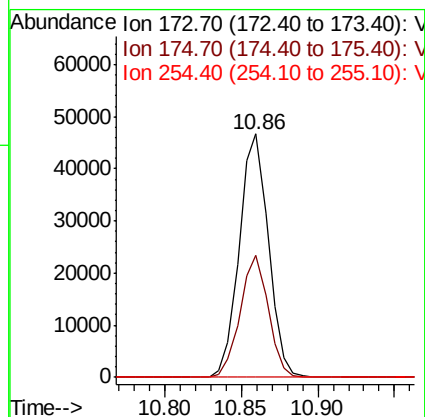
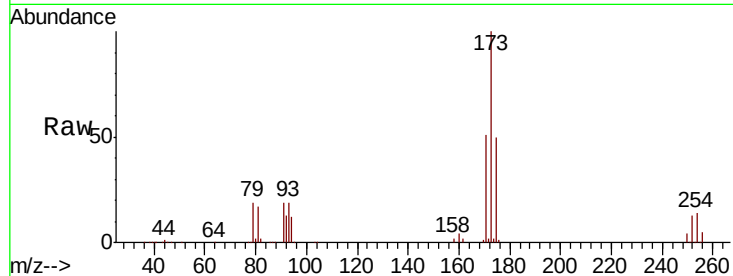
#71
Bromoform
Concen: 20.73 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.9	74.7
254	0.1	0.2	0.2

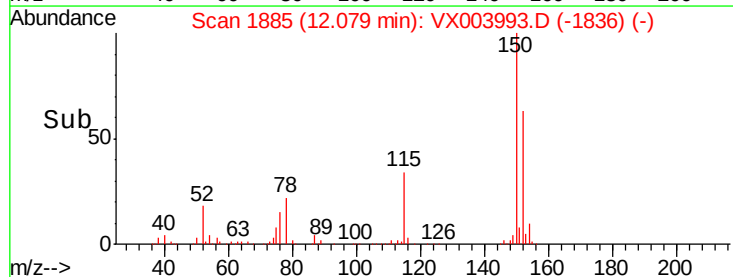
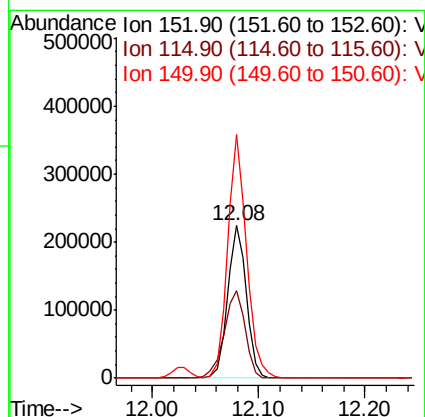
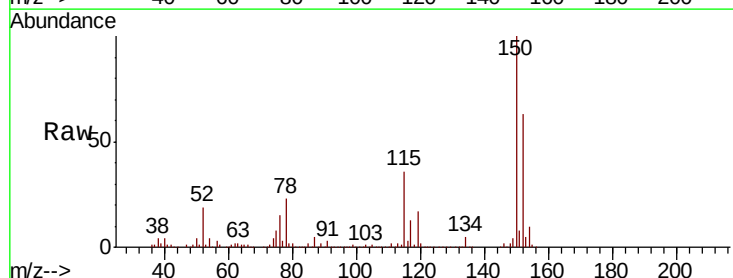
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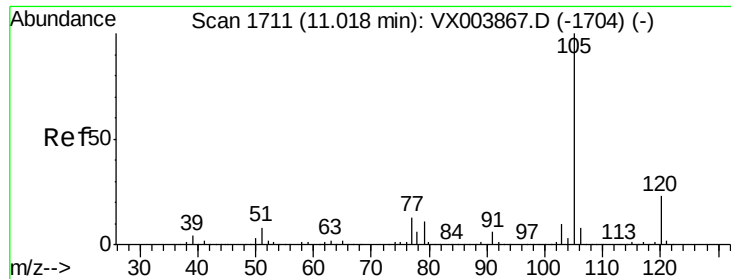
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.7	39.1	117.3
150	162.0	0.0	349.2





#73

Isopropylbenzene

Concen: 19.90 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

Tot Ion: 105 Resp: 403279

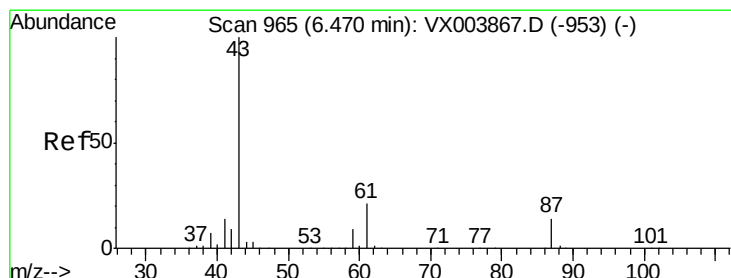
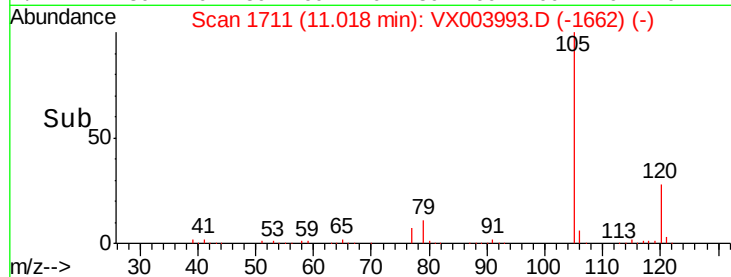
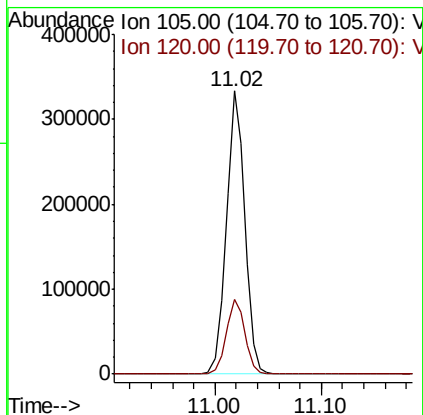
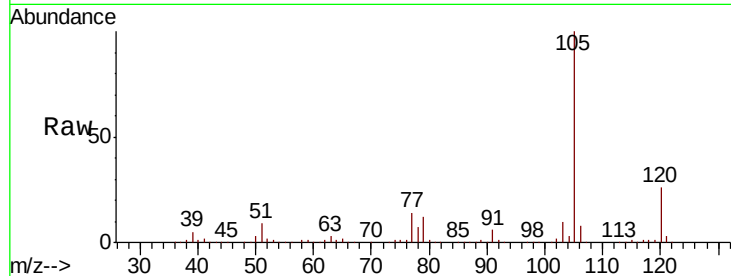
Ion Ratio Lower Upper

105 100

120 26.8 12.6 37.8

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8/14/2018 12:55:35 PM



#74

N-ethyl acetate

Concen: 17.29 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Tgt Ion: 43 Resp: 182258

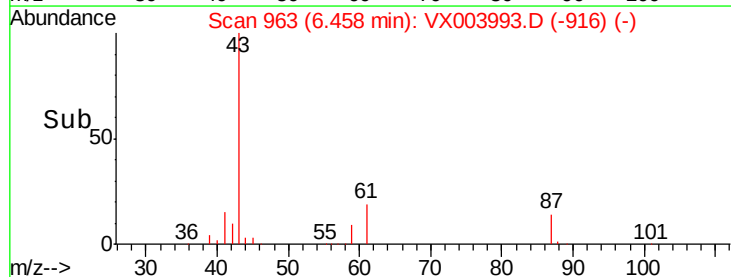
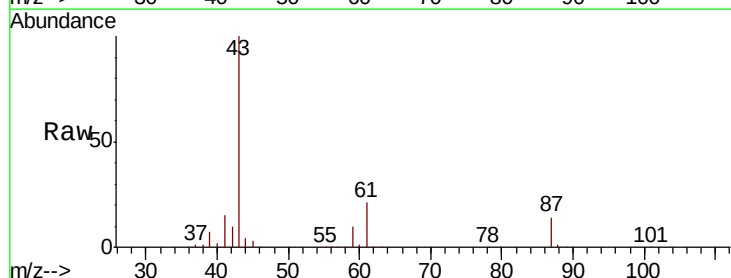
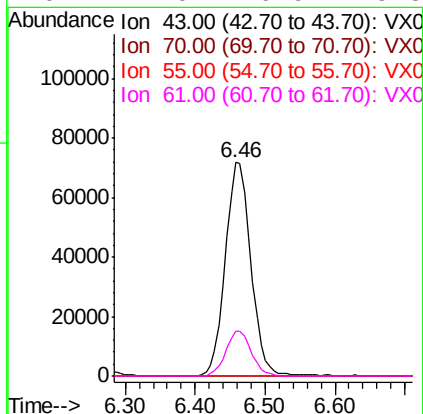
Ion Ratio Lower Upper

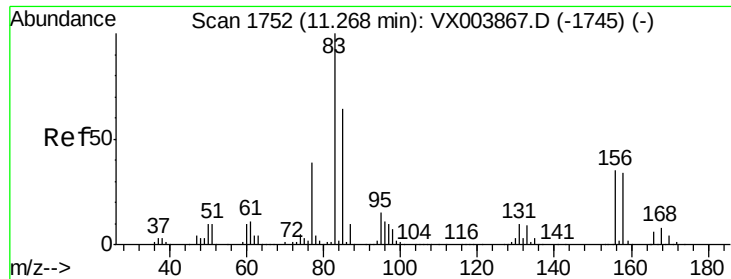
43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 21.0 16.9 25.3





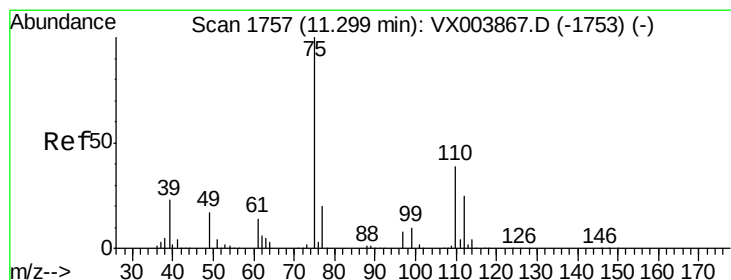
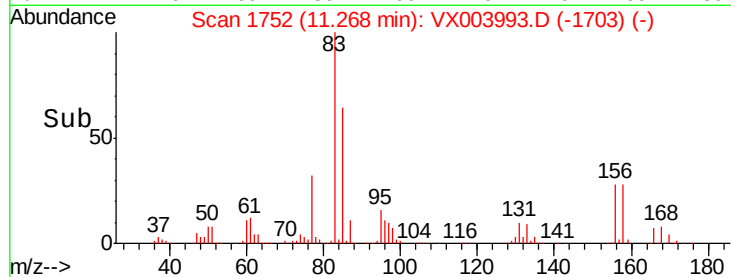
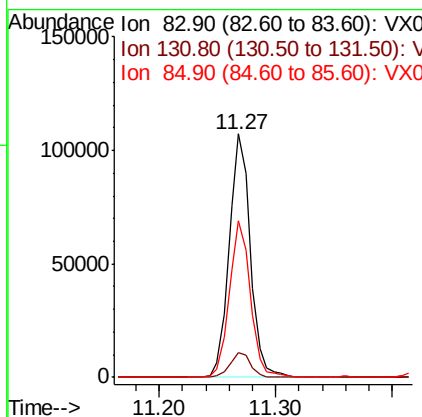
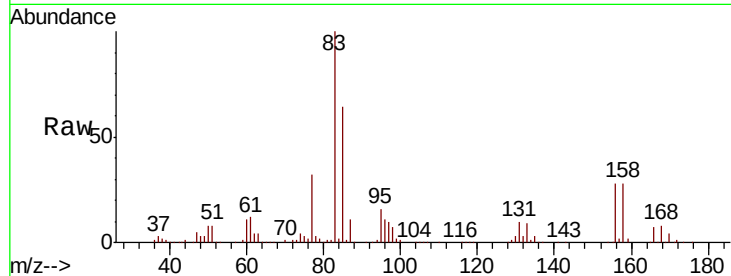
#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.52 ug/l
 RT: 11.27 min Scan# 1752
 Delta R.T. -0.00 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.1	5.2	15.6	
85	63.8	32.2	96.6	

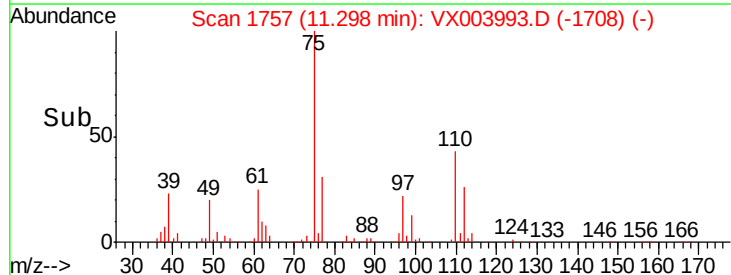
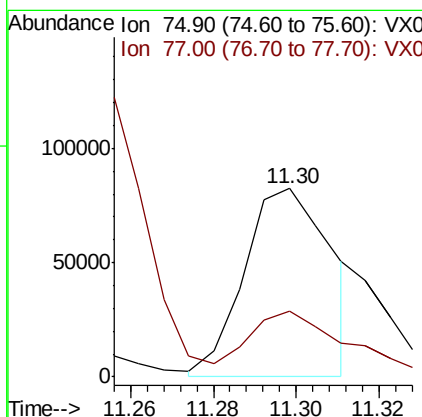
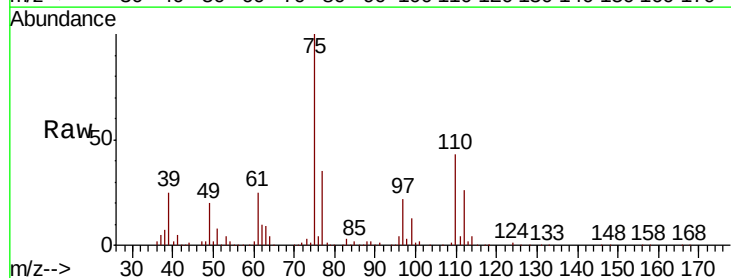
Manual Integrations
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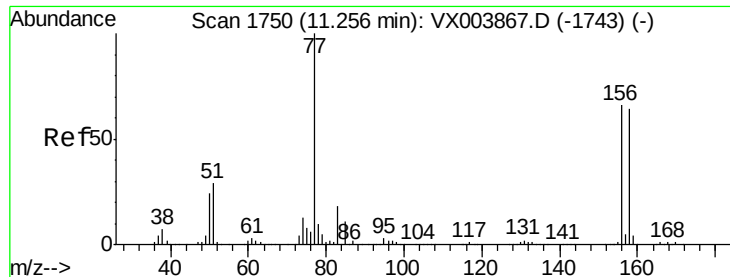
MMDadoda
 8/14/2018 12:55:35 PM



#76
 1,2,3-Trichloropropane
 Concen: 19.73 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	39.7	20.8	62.5	





#77

Bromobenzene

Concen: 19.82 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

Tot Ion:156 Resp: 107183

Ion Ratio Lower Upper

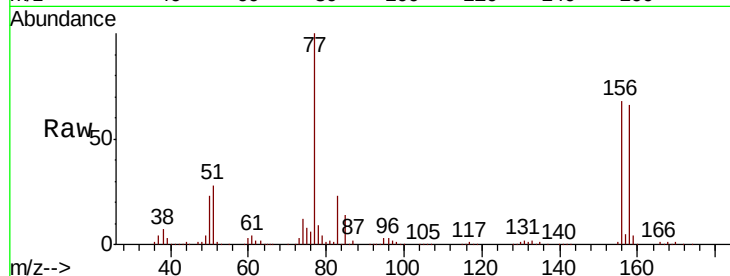
156 100

77 147.7 74.1 222.2

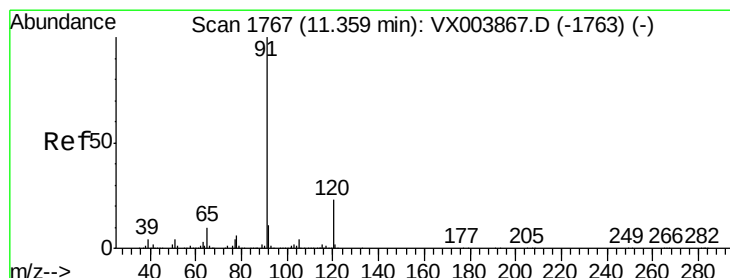
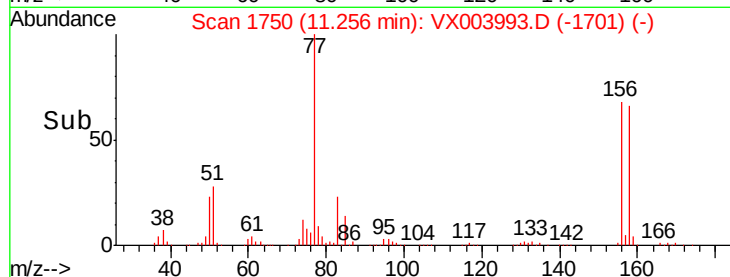
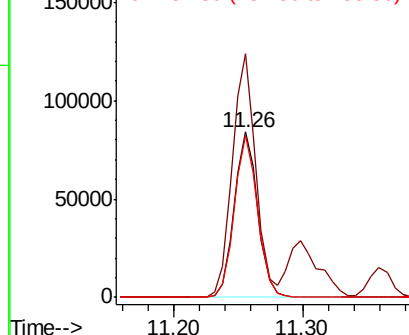
158 97.1 48.6 145.9

Manual Integrations
APPROVED

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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: 20.44 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX003993.D

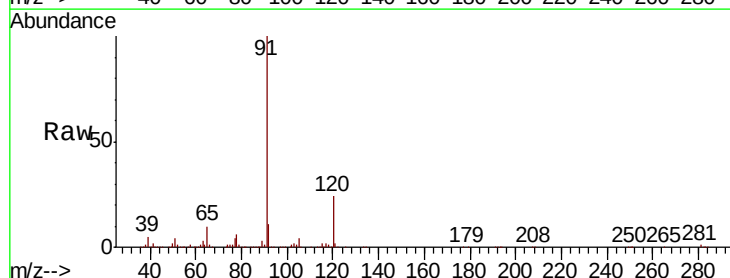
Acq: 13 Aug 2018 12:09

Tgt Ion: 91 Resp: 465194

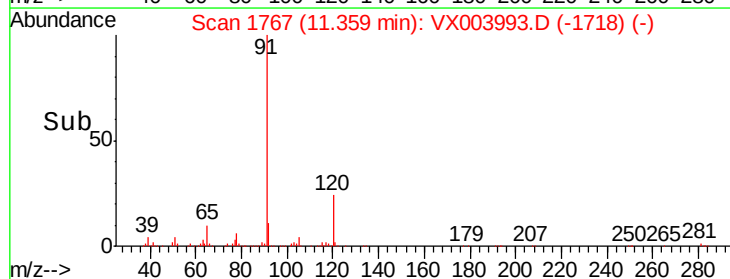
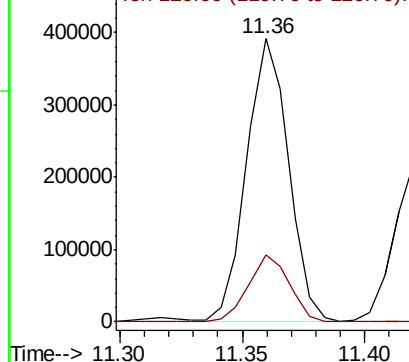
Ion Ratio Lower Upper

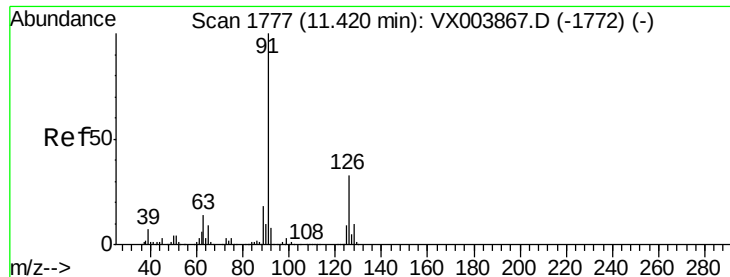
91 100

120 23.6 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: 19.63 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampled :

VX0813WBS01

Tot Ion: 91 Resp: 272348

Ion Ratio Lower Upper

91 100

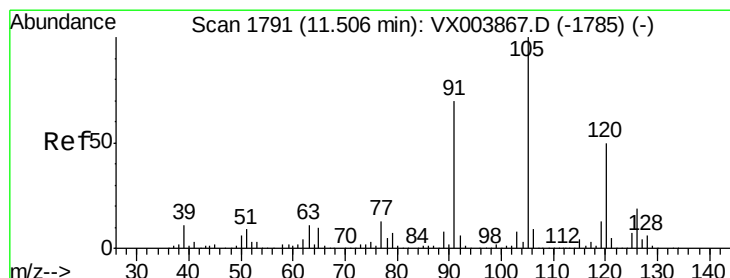
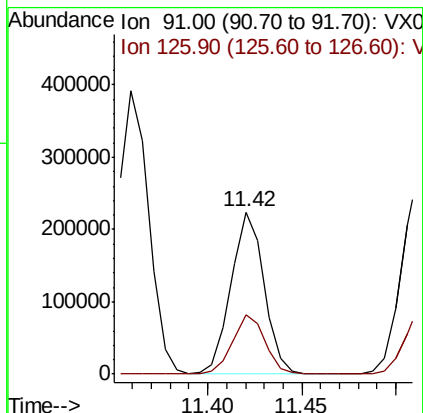
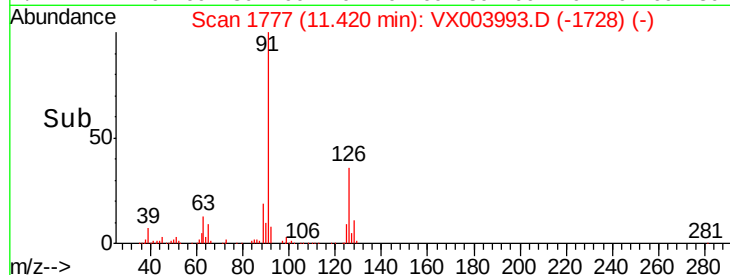
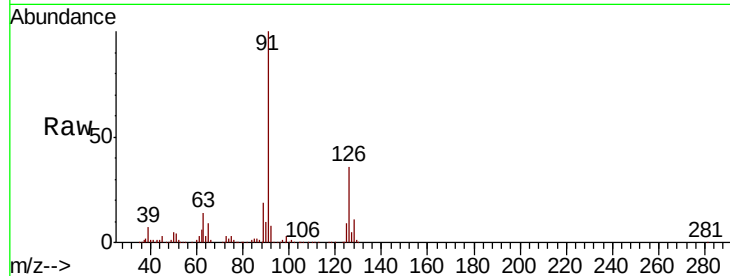
126 35.8 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.47 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX003993.D

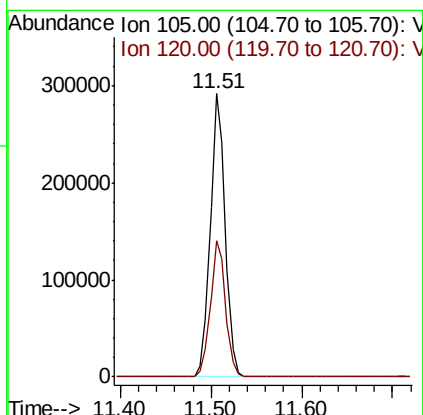
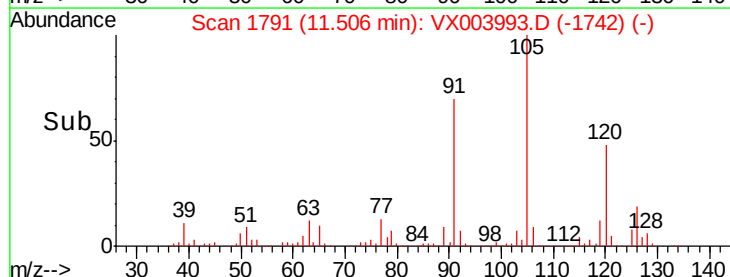
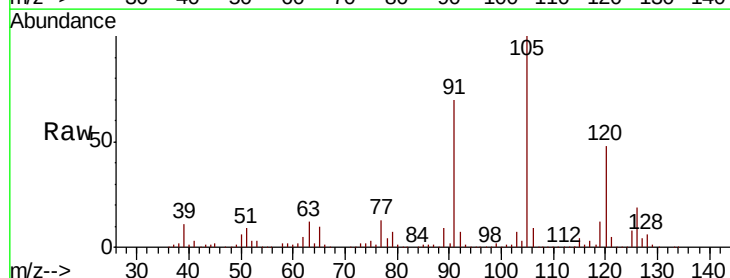
Acq: 13 Aug 2018 12:09

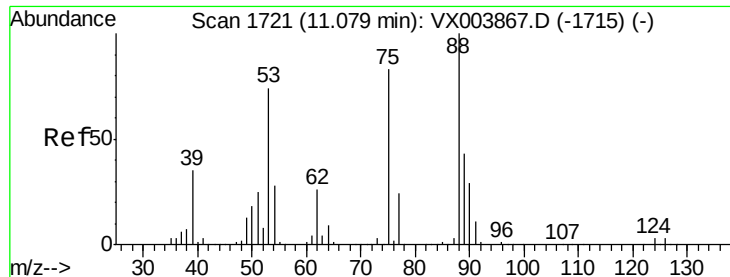
Tgt Ion: 105 Resp: 338210

Ion Ratio Lower Upper

105 100

120 48.8 25.4 76.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.79 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

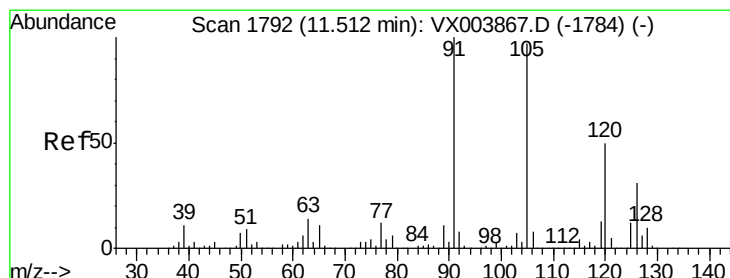
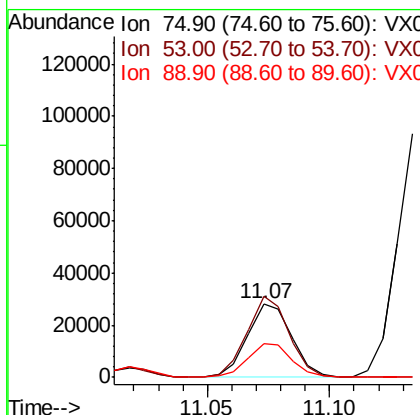
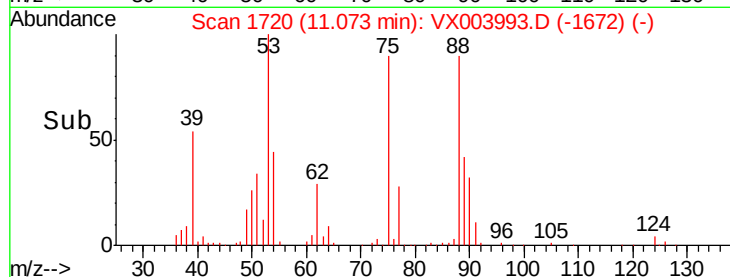
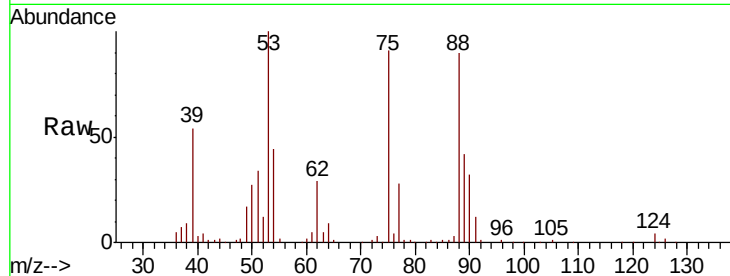
ClientSampleId :

VX0813WBS01

Tot Ion:	75	Resp:	35316
Ion Ratio	Lower	Upper	
75	100		
53	105.7	80.3	120.5
89	46.2	37.8	56.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.89 ug/l

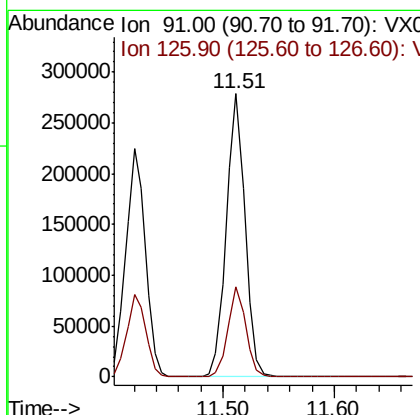
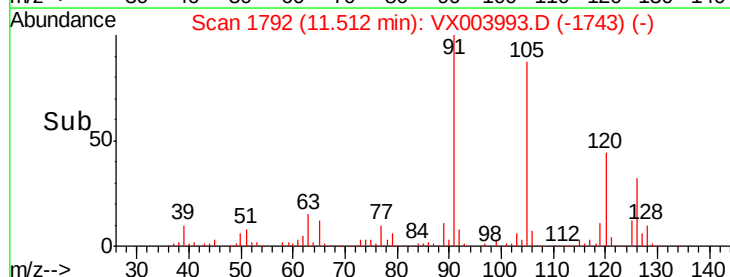
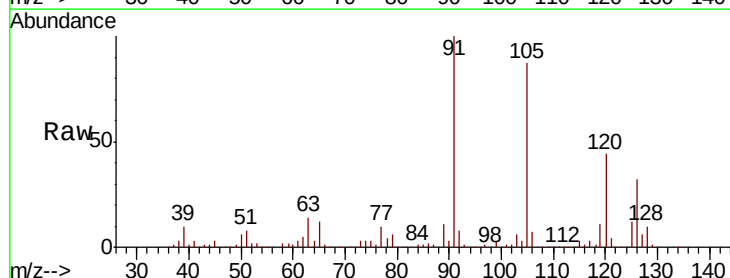
RT: 11.51 min Scan# 1792

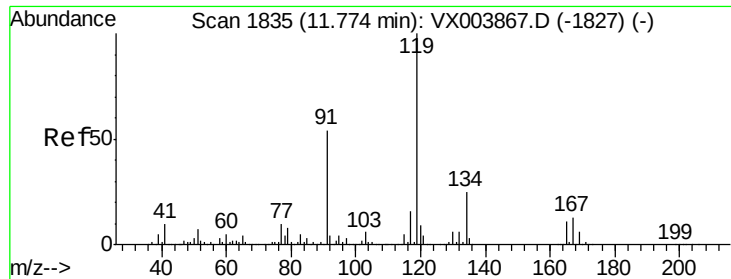
Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Tgt Ion:	91	Resp:	323370
Ion Ratio	Lower	Upper	
91	100		
126	30.7	15.6	46.7





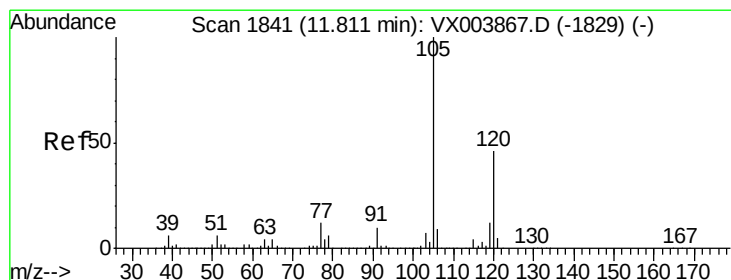
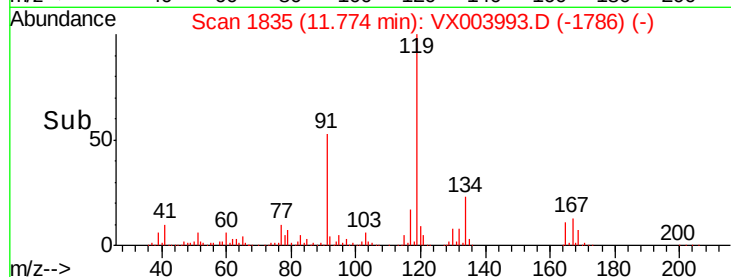
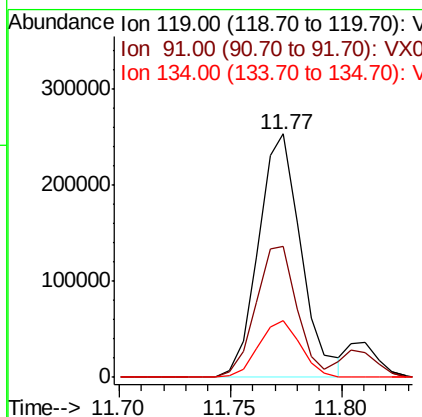
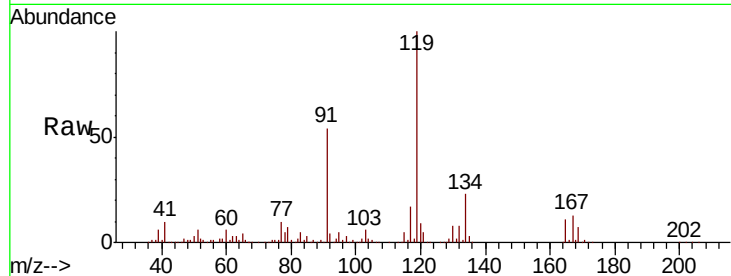
#83
 tert-Butylbenzene
 Concen: 20.65 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	335745		
91	52.2		26.9	80.7
134	23.1		12.0	36.0

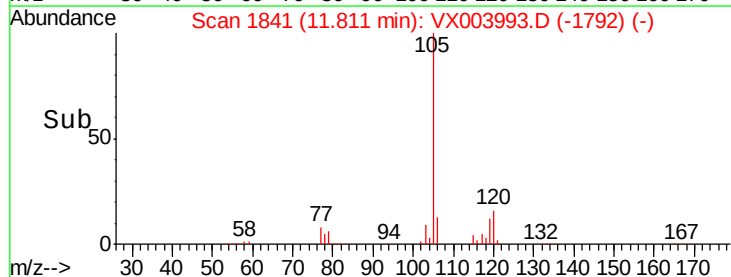
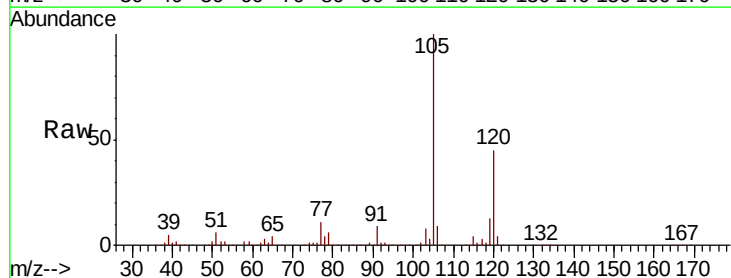
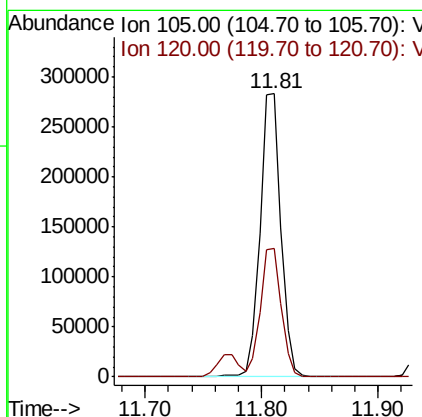
Manual Integrations
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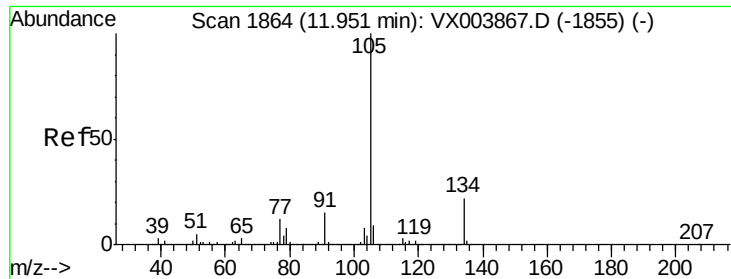
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.39 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	355454		
120	45.5		23.1	69.2





#85

sec-Butylbenzene

Concen: 20.58 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

Tot Ion:105 Resp: 394893

Ion Ratio Lower Upper

105 100

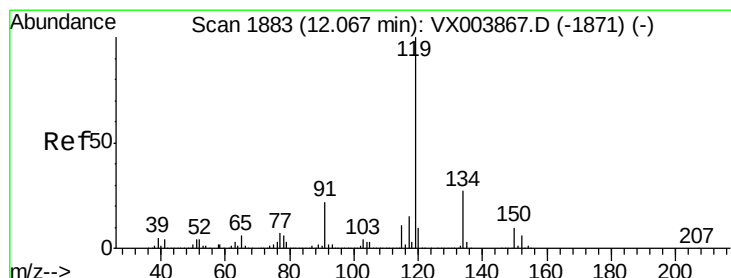
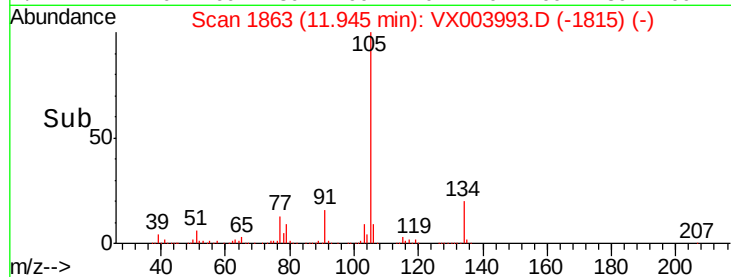
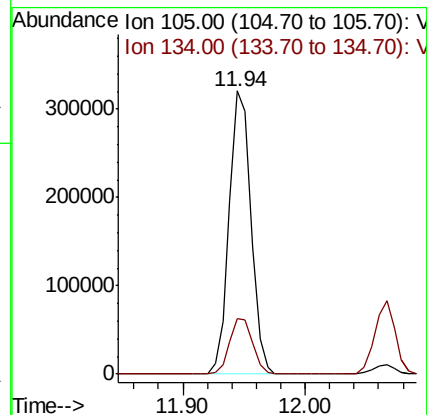
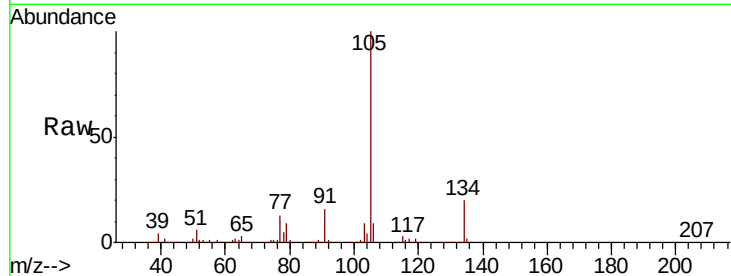
134 20.7 10.3 30.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.70 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

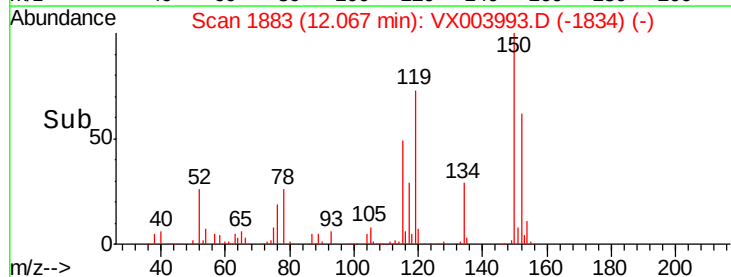
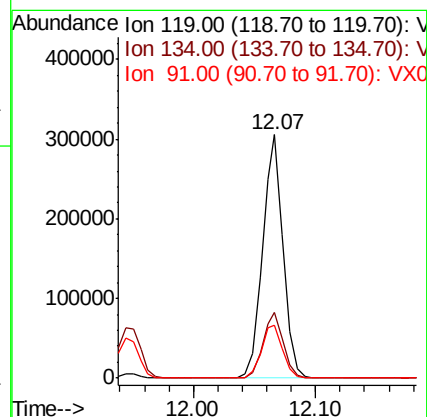
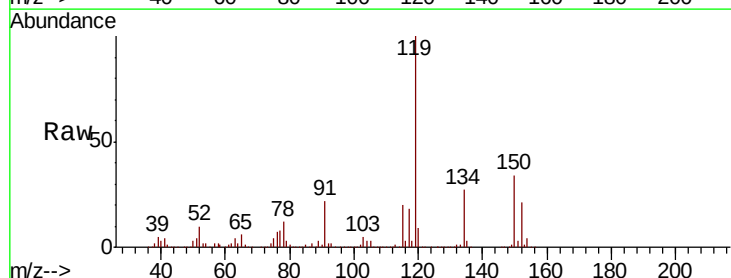
Tgt Ion:119 Resp: 356361

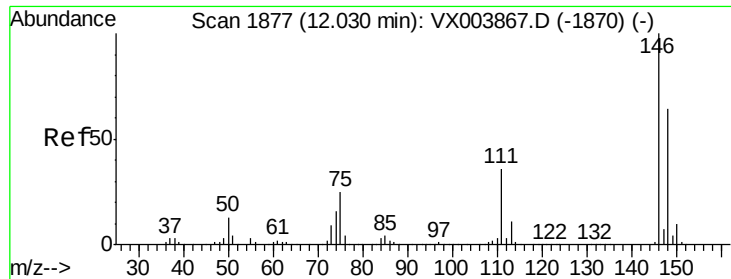
Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

91 22.7 10.9 32.7





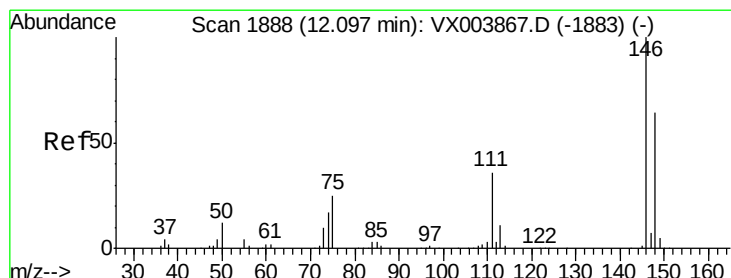
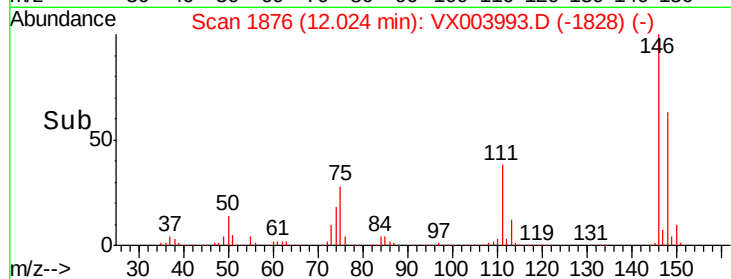
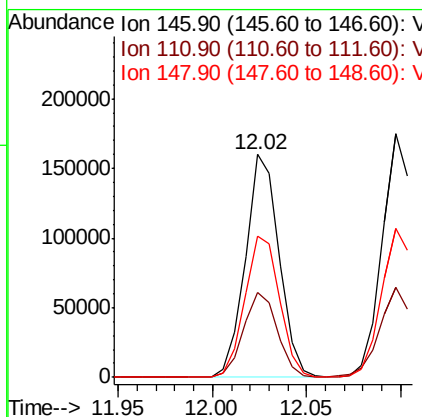
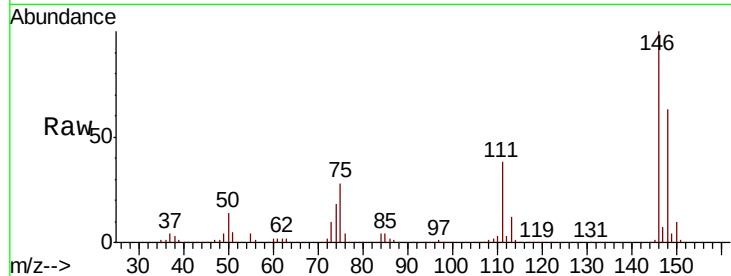
#87
 1,3-Dichlorobenzene
 Concen: 19.88 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.01 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	198683		
111	38.4		18.8	56.4
148	65.3		31.9	95.5

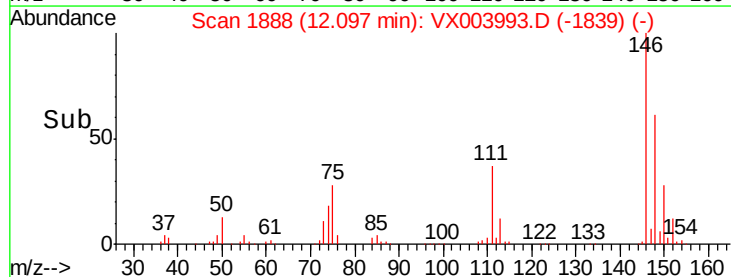
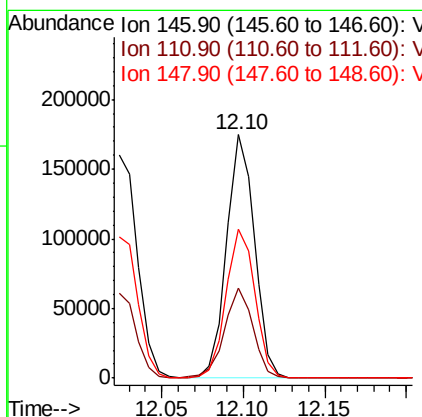
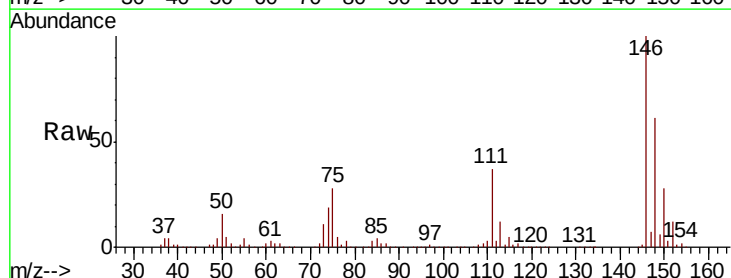
Manual Integrations
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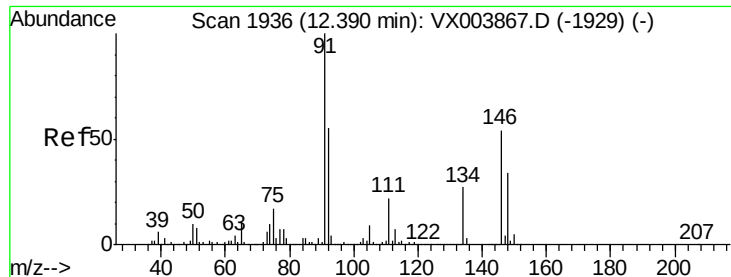
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#88
 1,4-Dichlorobenzene
 Concen: 19.99 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	207220		
111	38.0		18.4	55.0
148	63.5		32.3	96.8





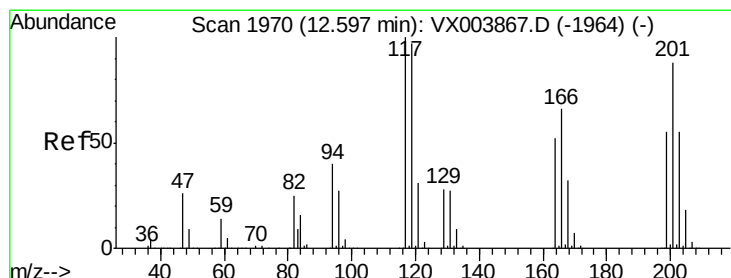
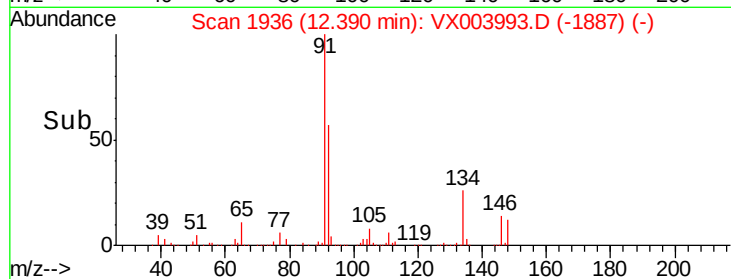
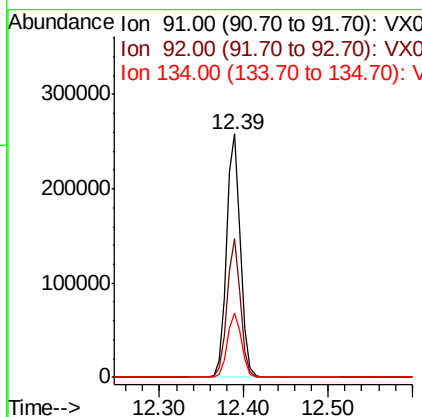
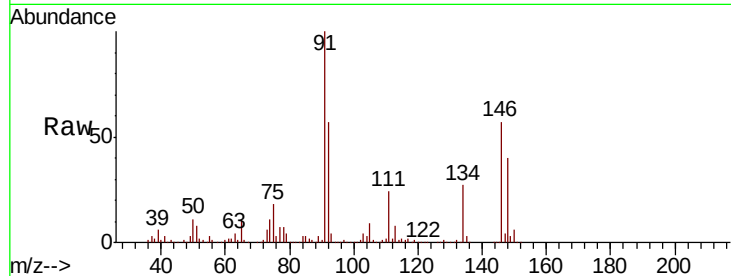
#89
n-Butylbenzene
Concen: 19.59 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.1	81.3
134	27.1	13.6	40.7

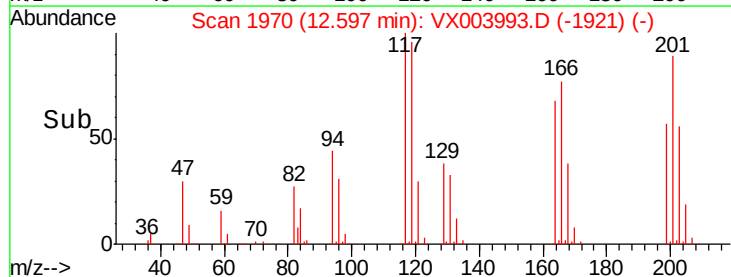
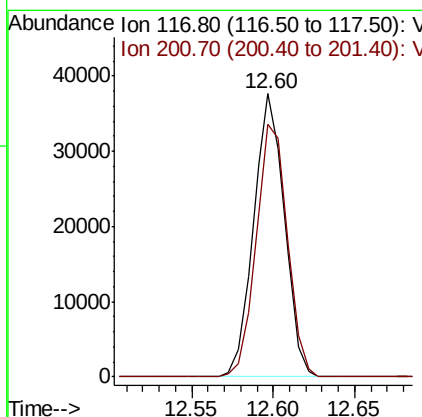
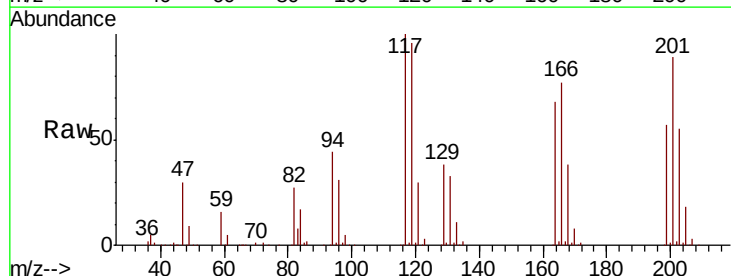
Manual Integrations
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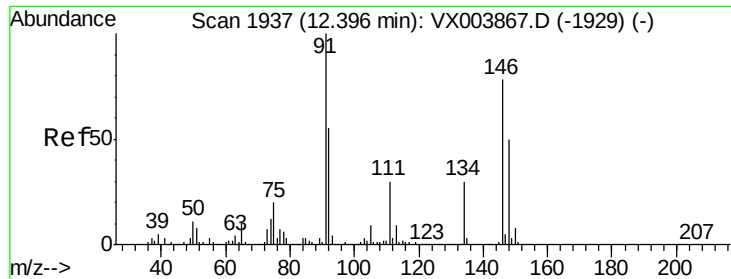
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#90
Hexachloroethane
Concen: 17.69 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003993.D
Acq: 13 Aug 2018 12:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.3	46.1	138.2





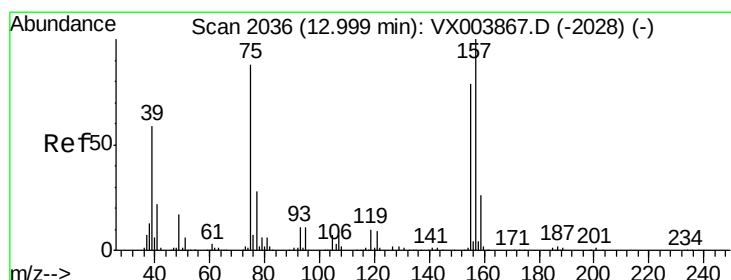
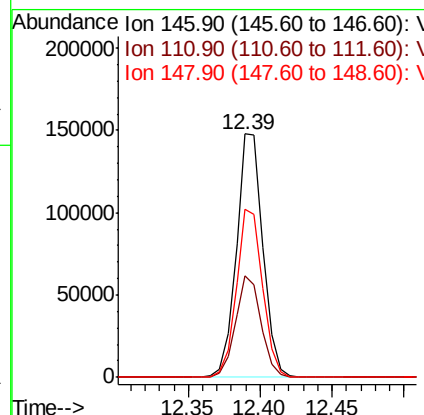
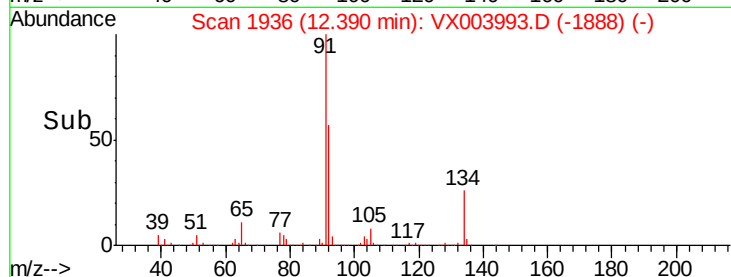
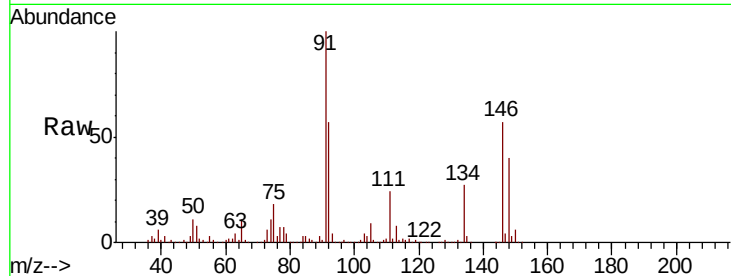
#91
 1,2-Dichlorobenzene
 Concen: 19.24 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.7	59.0
148	68.1	31.9	95.5

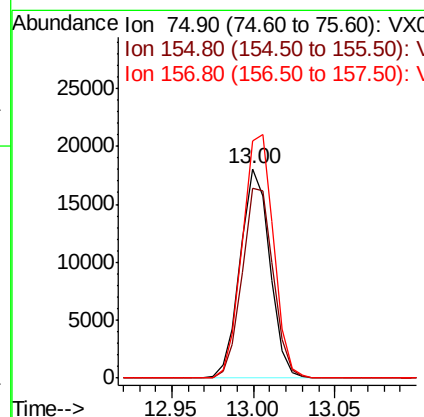
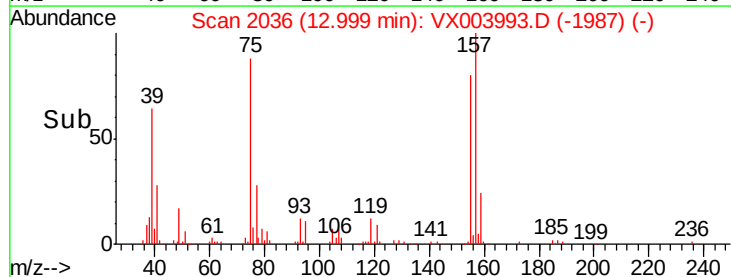
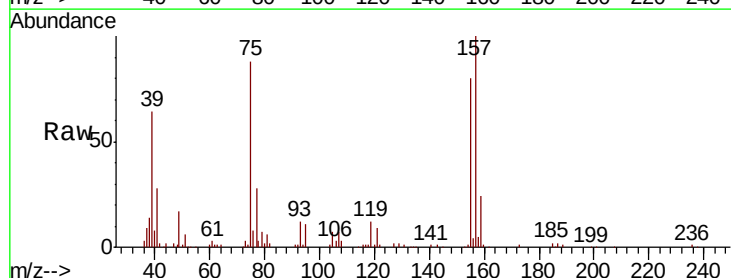
Manual Integrations
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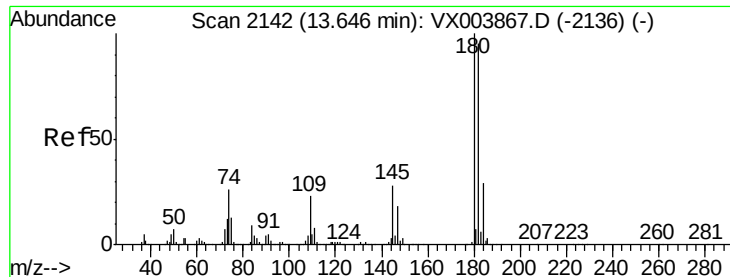
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 8/14/2018 12:55:35 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.17 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.3	48.7	146.1
157	122.0	62.6	187.8





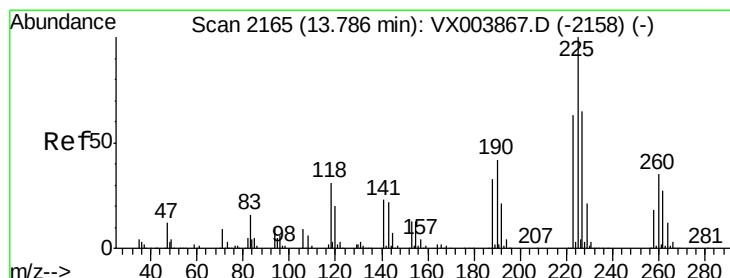
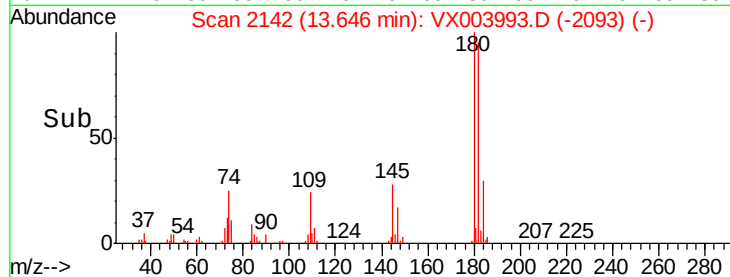
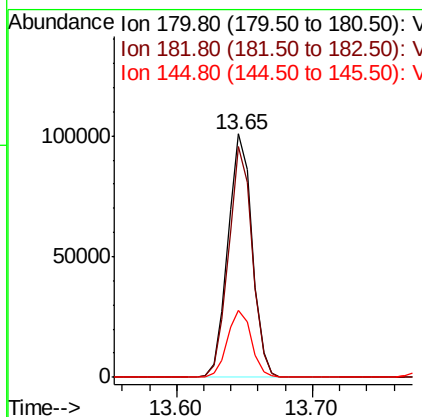
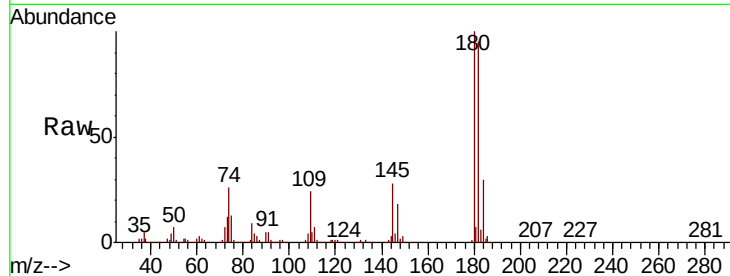
#93
 1,2,4-Trichlorobenzene
 Concen: 17.46 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	124381		
182	92.7	47.7	143.1	
145	27.4	13.9	41.6	

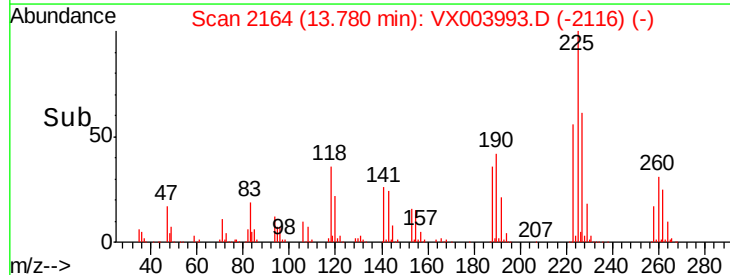
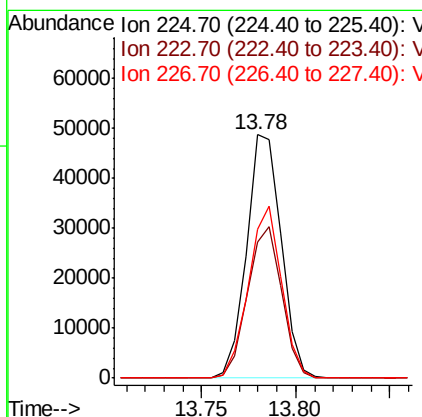
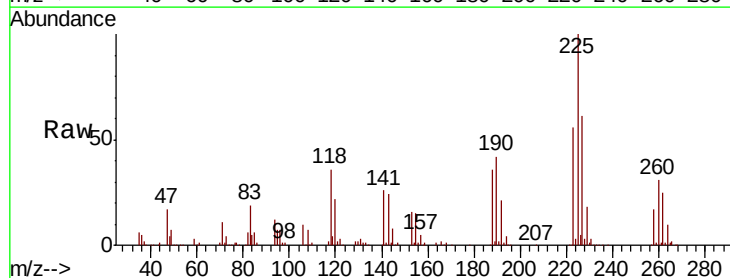
Manual Integrations
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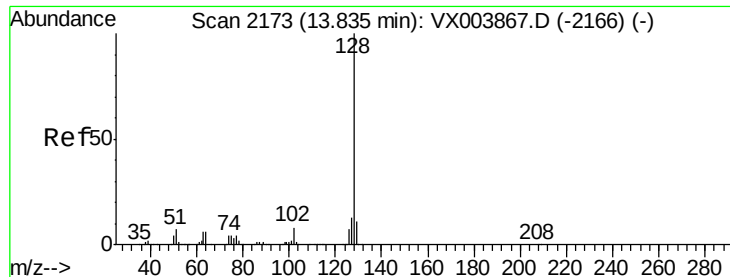
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#94
 Hexachlorobutadiene
 Concen: 18.65 ug/l
 RT: 13.78 min Scan# 2164
 Delta R.T. -0.01 min
 Lab File: VX003993.D
 Acq: 13 Aug 2018 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	62225		
223	61.2	31.4	94.0	
227	67.3	32.1	96.5	





#95

Naphthalene

Concen: 18.90 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Instrument :

MSVOA_X

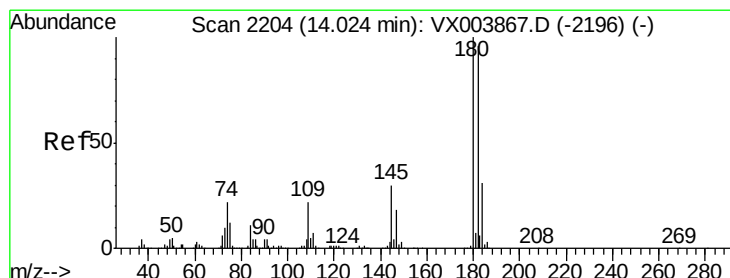
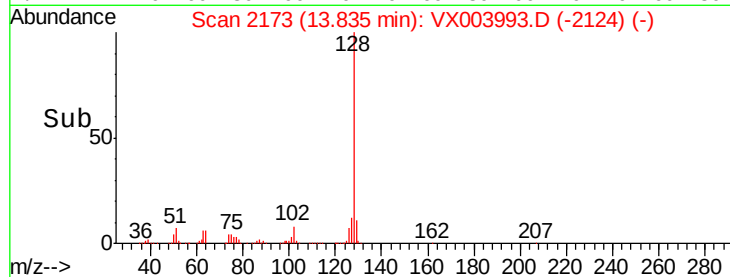
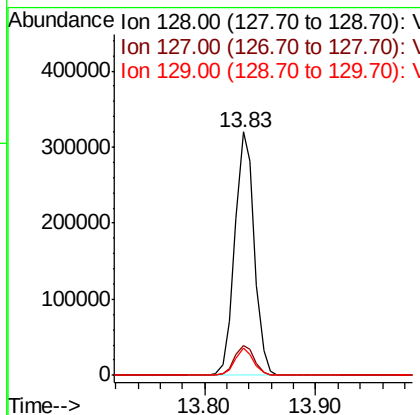
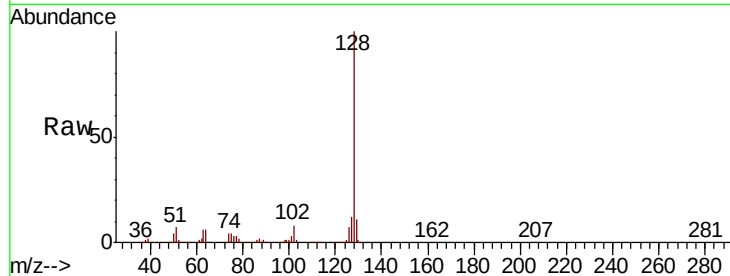
ClientSampleId :

VX0813WBS01

Tot Ion:	128	Resp:	385640
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.2
129	10.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/14/2018 12:55:35 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.61 ug/l

RT: 14.02 min Scan# 2203

Delta R.T. -0.01 min

Lab File: VX003993.D

Acq: 13 Aug 2018 12:09

Tgt Ion:	180	Resp:	139448
Ion Ratio	Lower	Upper	
180	100		
182	96.7	48.1	144.4
145	29.4	14.9	44.7

