

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070918\
 Data File : VX003250.D
 Acq On : 09 Jul 2018 17:24
 Operator : JC/MD
 Sample : VX0709MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0709MBS01

Manual Integrations
 APPROVED

MMDadoda
 7/10/2018 3:11:49 PM

Quant Time: Jul 10 01:11:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	270153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	334576	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	303553	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	214249	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	200466	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
35) Dibromofluoromethane	5.51	113	173323	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
50) Toluene-d8	8.72	98	636929	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
62) 4-Bromofluorobenzene	11.14	95	232140	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	81170	19.76	ug/l	99
3) Chloromethane	1.32	50	68790	18.42	ug/l	99
4) Vinyl Chloride	1.40	62	71328	18.61	ug/l	99
5) Bromomethane	1.64	94	31650	28.32	ug/l	98
6) Chloroethane	1.72	64	41471	19.53	ug/l	99
7) Trichlorofluoromethane	1.93	101	107917	18.94	ug/l	96
8) Diethyl Ether	2.19	74	37103	18.02	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	61141	18.33	ug/l	94
10) Methyl Iodide	2.51	142	51800	18.13	ug/l	97
11) Tert butyl alcohol	3.08	59	79372	102.97	ug/l	97
12) 1,1-Dichloroethene	2.37	96	55114	18.15	ug/l	92
13) Acrolein	2.29	56	53414	86.00	ug/l	99
14) Allyl chloride	2.73	41	102277	18.19	ug/l	94
15) Acrylonitrile	3.15	53	160628	93.33	ug/l	99
16) Acetone	2.45	43	146931	97.34	ug/l	100
17) Carbon Disulfide	2.57	76	146569	17.37	ug/l	99
18) Methyl Acetate	2.78	43	85238	20.02	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	184360	18.18	ug/l	96
20) Methylene Chloride	2.86	84	60963	19.28	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	58764	18.16	ug/l	95
22) Diisopropyl ether	3.88	45	186070	16.26	ug/l	# 98
23) Vinyl Acetate	3.83	43	817466	84.16	ug/l	97
24) 1,1-Dichloroethane	3.70	63	106276	17.85	ug/l	99
25) 2-Butanone	4.71	43	262091	98.13	ug/l	95
26) 2,2-Dichloropropane	4.59	77	90816	17.44	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	73553	18.49	ug/l	99
28) Bromochloromethane	5.03	49	58634	19.54	ug/l	86
29) Tetrahydrofuran	5.17	42	169678	97.88	ug/l	95
30) Chloroform	5.21	83	122709	18.73	ug/l	99
31) Cyclohexane	5.57	56	106035	19.02	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	107411	18.59	ug/l	97
36) 1,1-Dichloropropene	5.80	75	87775	18.53	ug/l	96
37) Ethyl Acetate	4.87	43	98367	18.94	ug/l	97
38) Carbon Tetrachloride	5.79	117	98348	18.98	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	106025	19.00	ug/l	96
40) Benzene	6.15	78	271247	19.33	ug/l	100
41) Methacrylonitrile	5.07	41	54301	19.10	ug/l	95
42) 1,2-Dichloroethane	6.20	62	98722	18.83	ug/l	98
43) Isopropyl Acetate	6.48	43	156517	19.20	ug/l	97
44) Trichloroethene	7.22	130	79866	19.24	ug/l	96
45) 1,2-Dichloropropane	7.53	63	68232	18.70	ug/l	97
46) Dibromomethane	7.67	93	47136	18.95	ug/l	91
47) Bromodichloromethane	7.90	83	84745	18.47	ug/l	97
48) Methyl methacrylate	7.78	41	80149	19.17	ug/l	91
49) 1,4-Dioxane	7.76	88	35685	408.13	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	503998	99.29	ug/l	96
52) Toluene	8.79	92	173088	19.51	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	101960	18.88	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	91016	18.52	ug/l	93
55) 1,1,2-Trichloroethane	9.22	97	69677	18.93	ug/l	97
56) Ethyl methacrylate	9.18	69	96730	19.19	ug/l #	90
57) 1,3-Dichloropropane	9.38	76	113911	19.21	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	251293	103.33	ug/l	95
59) 2-Hexanone	9.50	43	387613	100.53	ug/l	94
60) Dibromochloromethane	9.59	129	71837	18.69	ug/l	99
61) 1,2-Dibromoethane	9.68	107	74704	19.37	ug/l	99
64) Tetrachloroethene	9.34	164	91740	19.99	ug/l	97
65) Chlorobenzene	10.14	112	199168	19.31	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	71774	19.29	ug/l	100
67) Ethyl Benzene	10.26	91	324899	19.48	ug/l	99
68) m/p-Xylenes	10.36	106	255434	39.37	ug/l	97
69) o-Xylene	10.70	106	123876	19.71	ug/l	96
70) Styrene	10.71	104	199282	19.55	ug/l	98
71) Bromoform	10.86	173	56975	18.61	ug/l	99
73) Isopropylbenzene	11.02	105	333786	19.73	ug/l	99
74) N-amyl acetate	6.48	43	156517	19.40	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	102373	19.51	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	102140m	22.06	ug/l	
77) Bromobenzene	11.26	156	95335	19.52	ug/l	94
78) n-propylbenzene	11.36	91	369185	19.63	ug/l	97
79) 2-Chlorotoluene	11.42	91	222187	19.39	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	277776	19.72	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	25119	17.73	ug/l	99
82) 4-Chlorotoluene	11.51	91	258470	19.32	ug/l	97
83) tert-Butylbenzene	11.77	119	277292	19.71	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	286310	19.85	ug/l	97
85) sec-Butylbenzene	11.95	105	329373	19.81	ug/l	99
86) p-Isopropyltoluene	12.07	119	297203	19.62	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	171707	19.17	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	173615	19.14	ug/l	99
89) n-Butylbenzene	12.39	91	238433	18.84	ug/l	99
90) Hexachloroethane	12.60	117	41223	17.82	ug/l	91
91) 1,2-Dichlorobenzene	12.40	146	171401	19.05	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	20977	18.63	ug/l	88

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MSVOA_X
ClientSampleId :
VX0709MBSD01

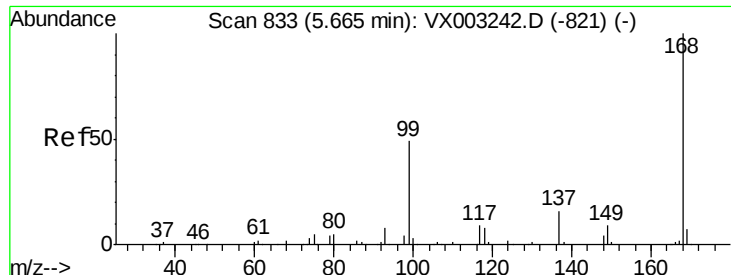
Manual Integrations
APPROVED

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7/10/2018 3:11:49 PM

Quant Time: Jul 10 01:11:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 09 15:24:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	126593	19.34	ug/l	99
94) Hexachlorobutadiene	13.79	225	62290	19.11	ug/l	99
95) Naphthalene	13.83	128	349406	20.40	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	131767	20.18	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

Instrument :

MSVOA_X

ClientSampleId :

VX0709MBS01

Tot Ion:168 Resp: 270153

Ion Ratio Lower Upper

168 100

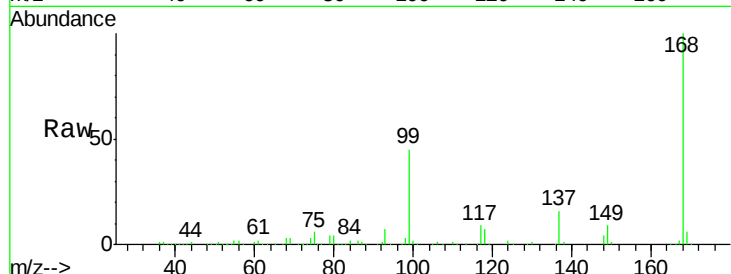
99 44.9 39.3 58.9

Manual Integrations

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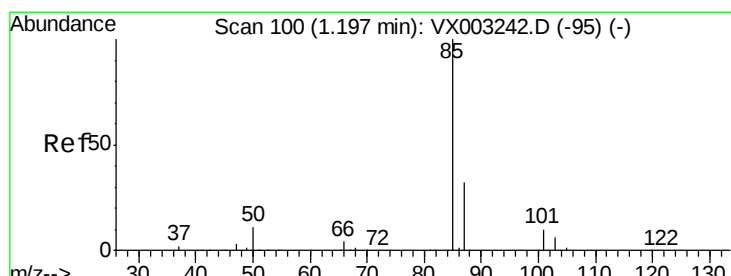
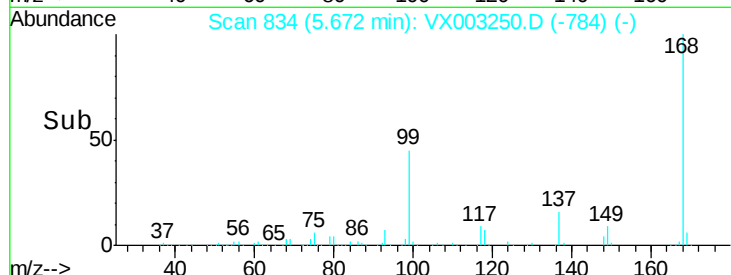
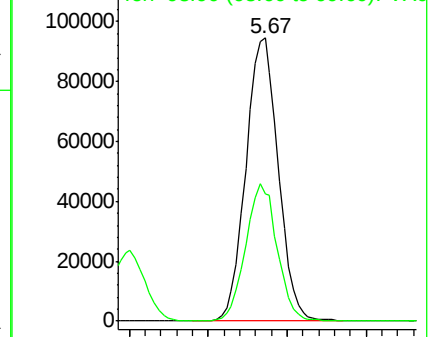
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.76 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003250.D

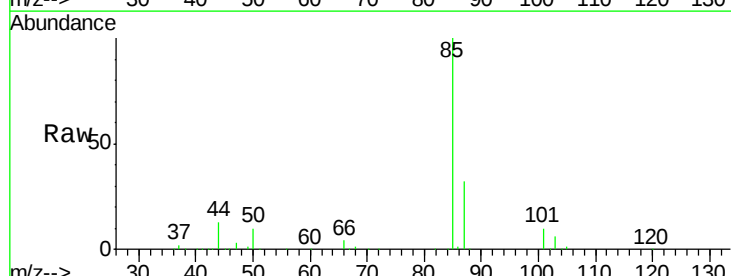
Acq: 09 Jul 2018 17:24

Tgt Ion: 85 Resp: 81170

Ion Ratio Lower Upper

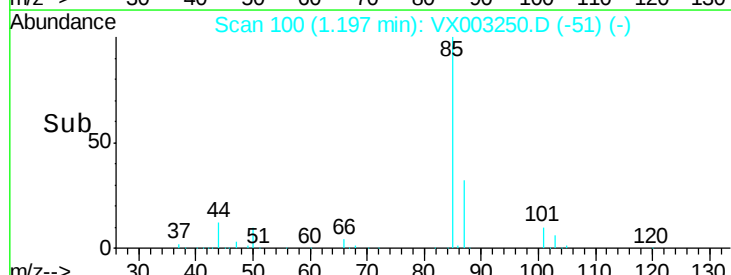
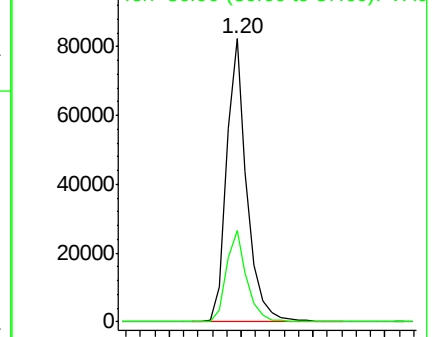
85 100

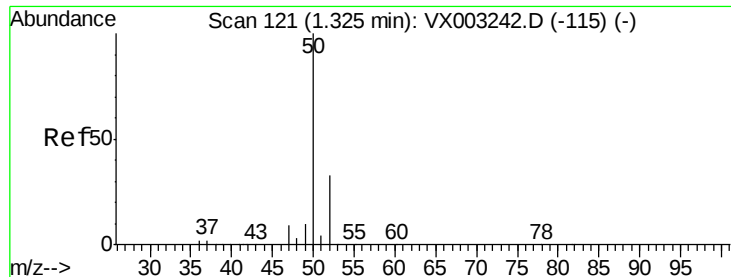
87 32.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.42 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

Instrument :

MSVOA_X

ClientSampleId :

VX0709MBSD01

Tot Ion: 50 Resp: 68790

Ion Ratio Lower Upper

50 100

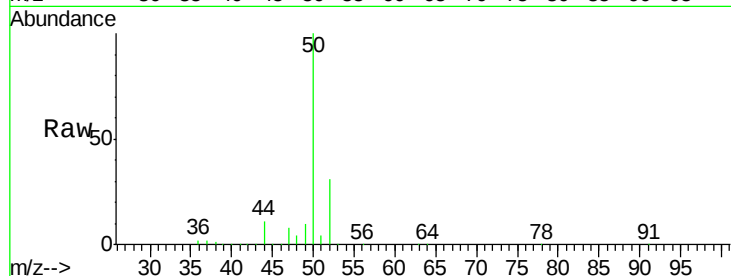
52 31.4 25.7 38.5

Manual Integrations

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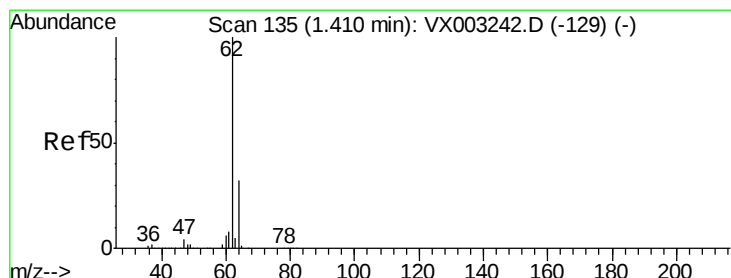
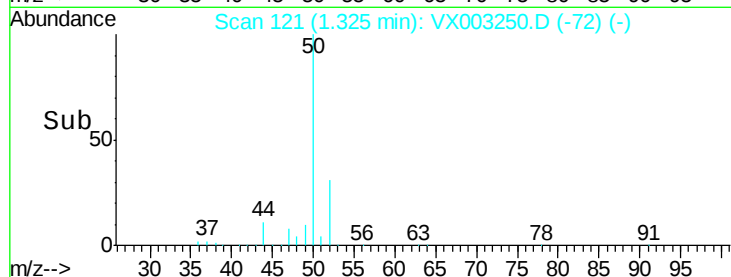
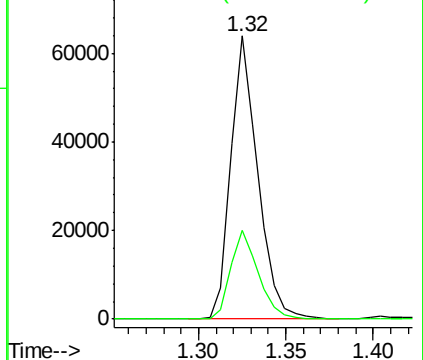
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.61 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003250.D

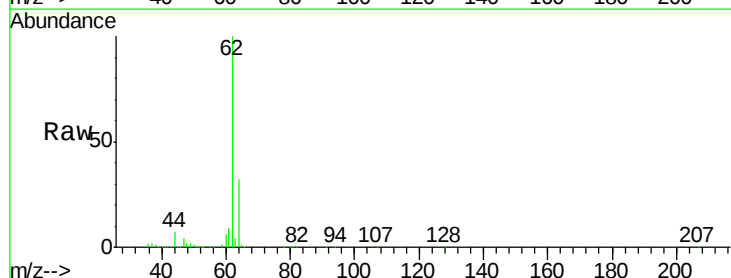
Acq: 09 Jul 2018 17:24

Tgt Ion: 62 Resp: 71328

Ion Ratio Lower Upper

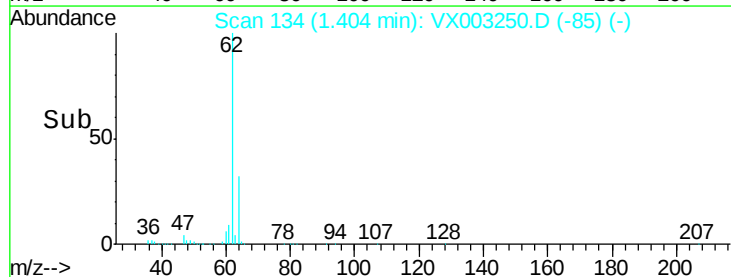
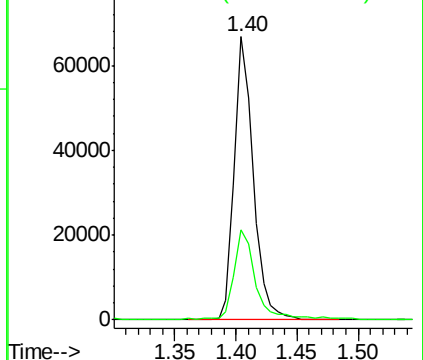
62 100

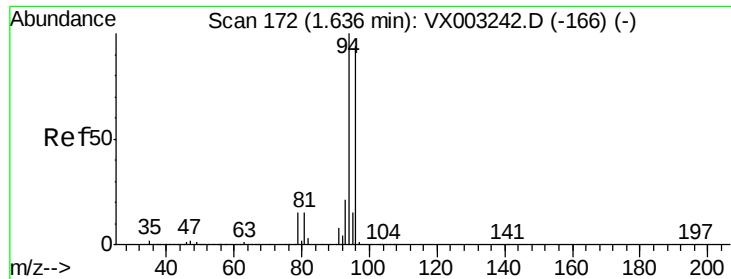
64 31.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 28.32 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

Instrument :

MSVOA_X

ClientSampled :

VX0709MBSD01

Tot Ion: 94 Resp: 31650

Ion Ratio Lower Upper

94 100

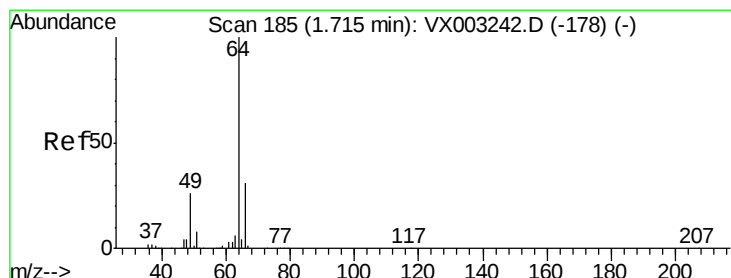
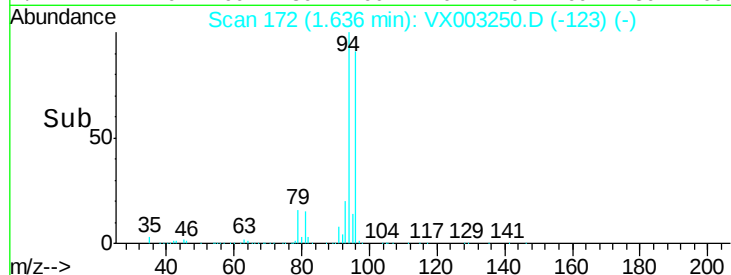
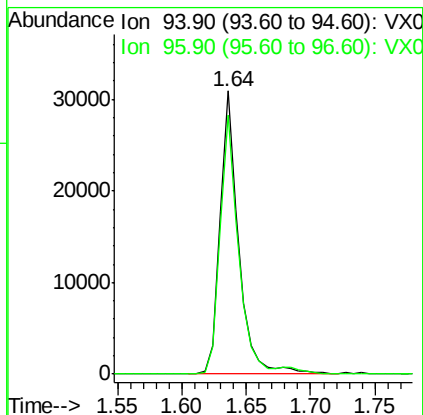
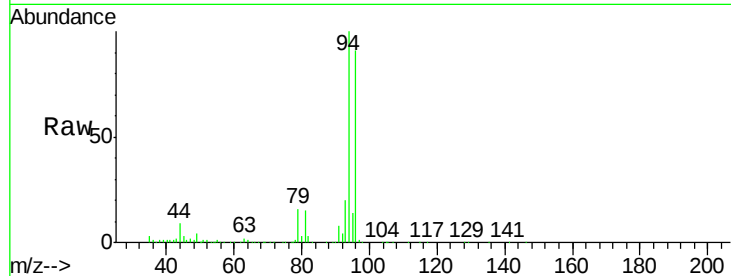
96 91.2 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 19.53 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003250.D

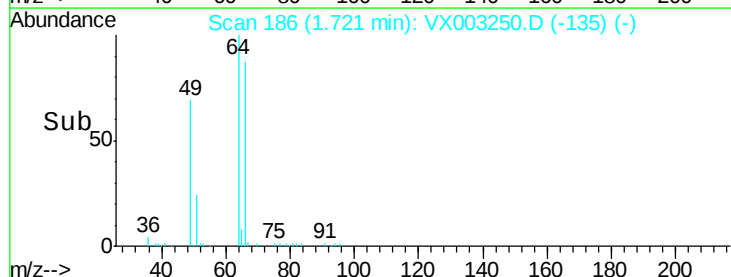
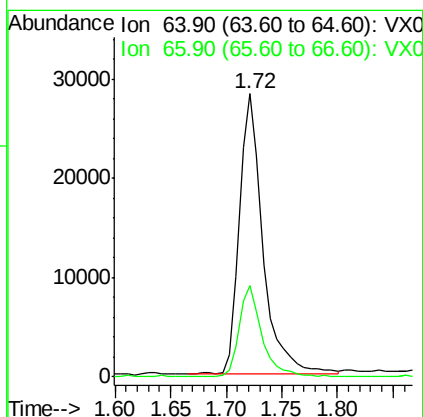
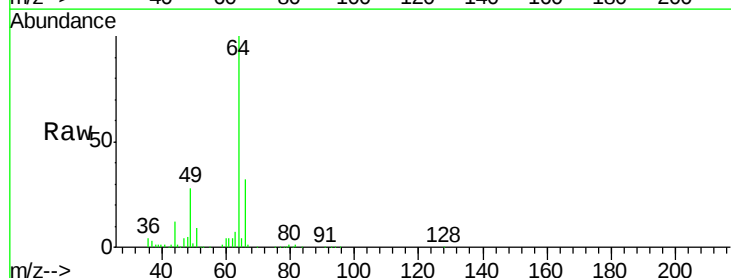
Acq: 09 Jul 2018 17:24

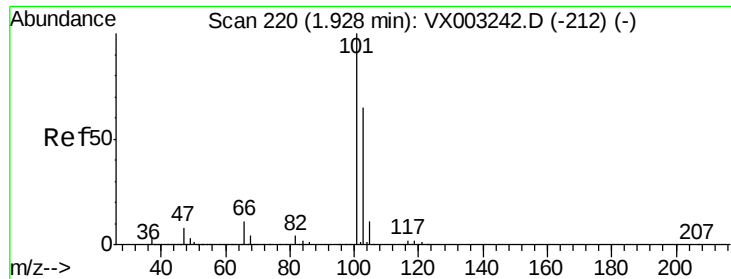
Tgt Ion: 64 Resp: 41471

Ion Ratio Lower Upper

64 100

66 32.2 25.5 38.3





#7

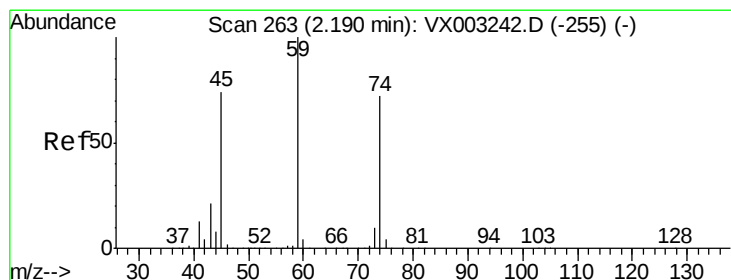
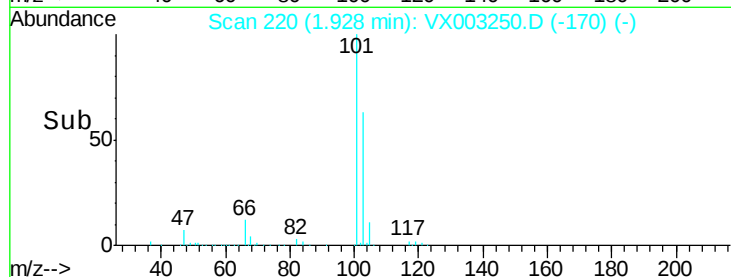
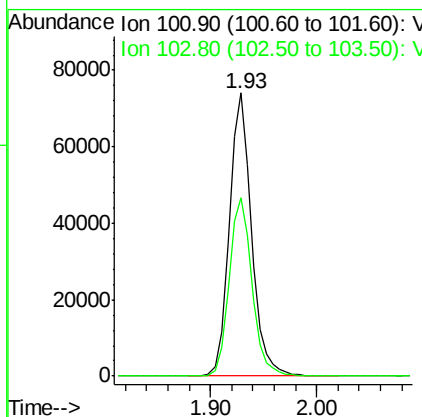
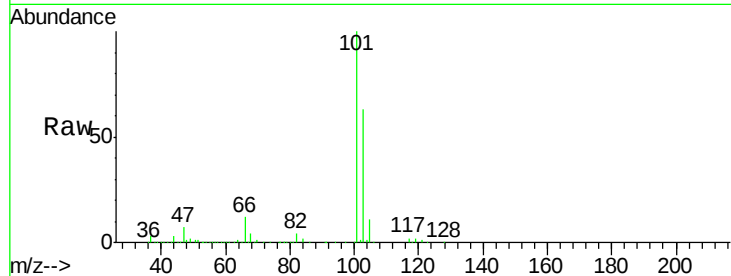
Trichlorofluoromethane
 Concen: 18.94 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX003250.D
 Acq: 09 Jul 2018 17:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	52.8	79.2

Manual Integrations
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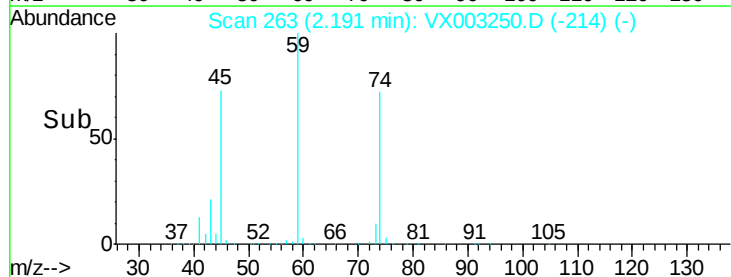
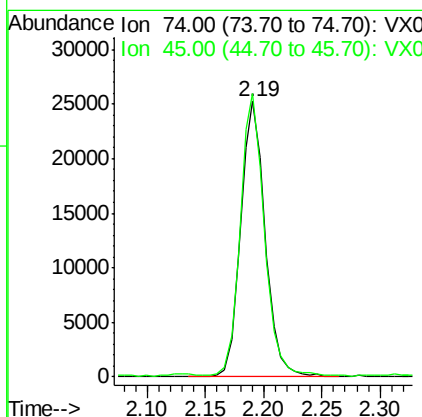
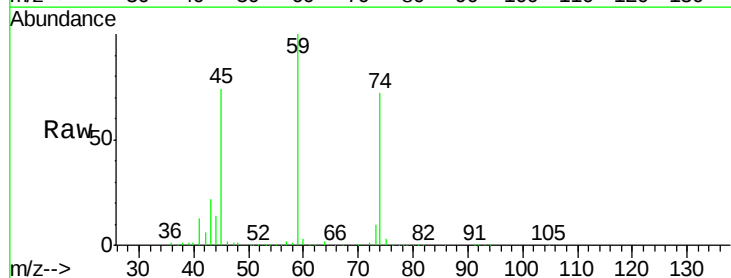
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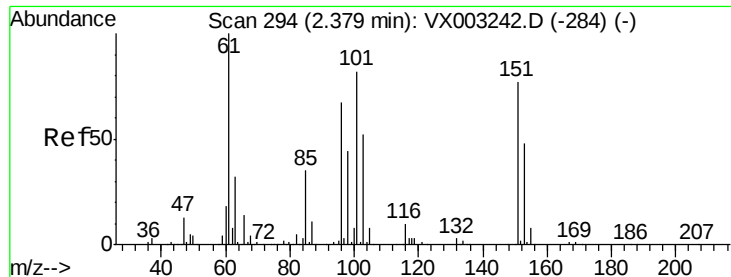


#8

Diethyl Ether
 Concen: 18.02 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003250.D
 Acq: 09 Jul 2018 17:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.4	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.33 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

Instrument :

MSVOA_X

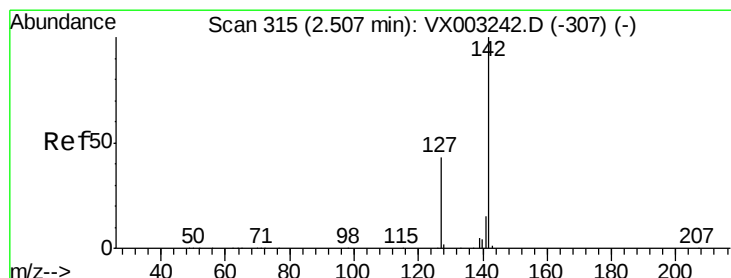
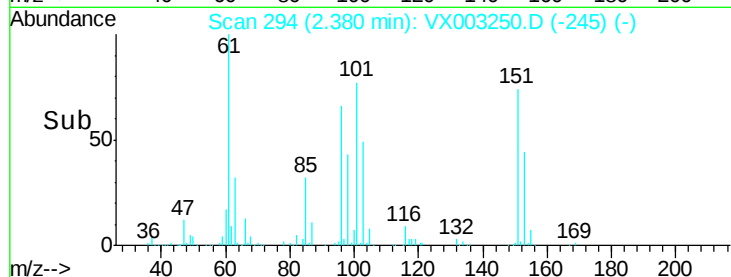
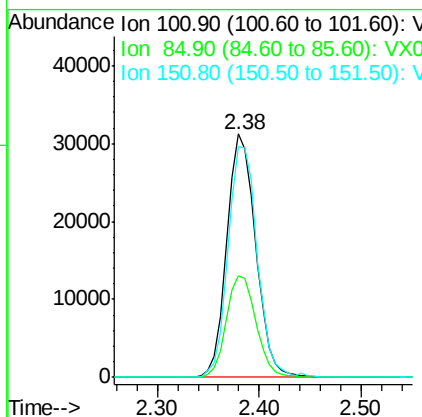
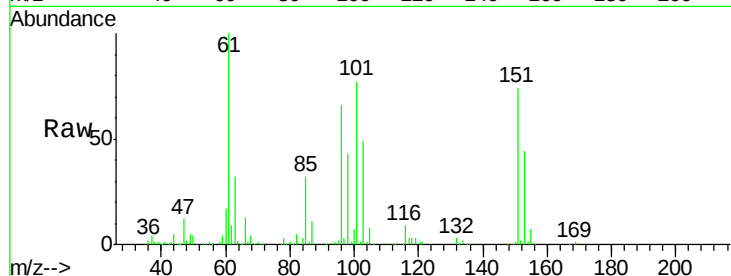
ClientSampleId :

VX0709MBSD01

Tot Ion:	101	Resp:	61141
Ion Ratio	Lower	Upper	
101	100		
85	43.0	36.0	54.0
151	95.9	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 18.13 ug/l

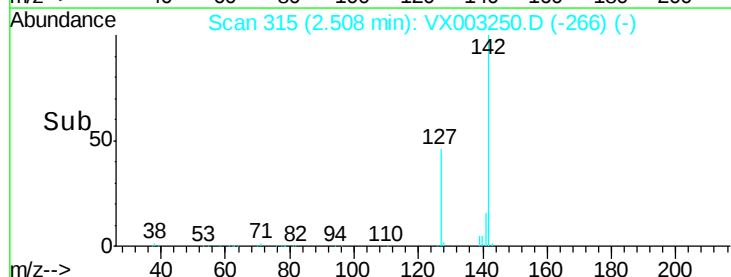
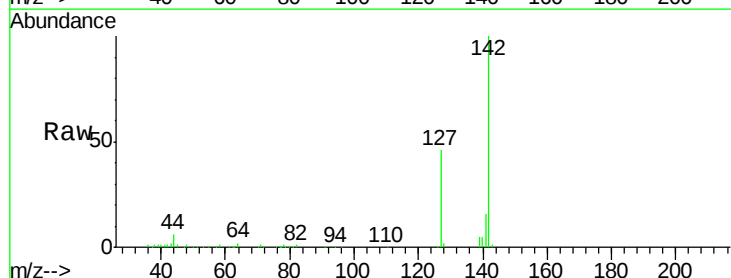
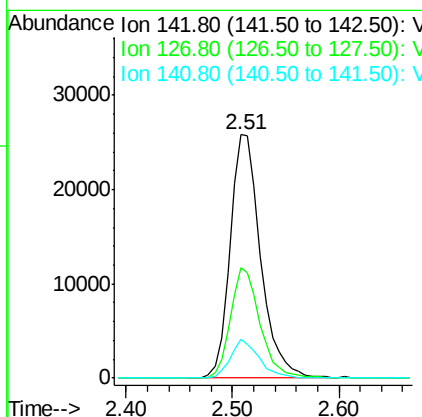
RT: 2.51 min Scan# 315

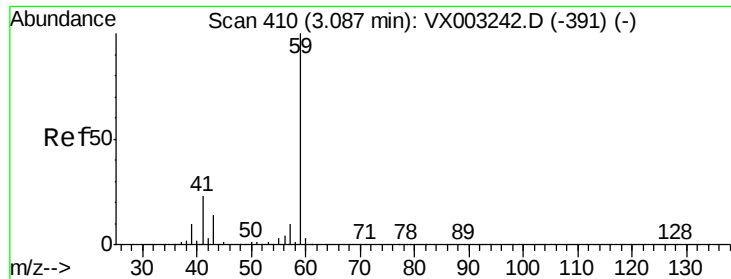
Delta R.T. 0.00 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

Tgt Ion:	142	Resp:	51800
Ion Ratio	Lower	Upper	
142	100		
127	44.0	36.6	55.0
141	15.0	11.3	16.9





#11

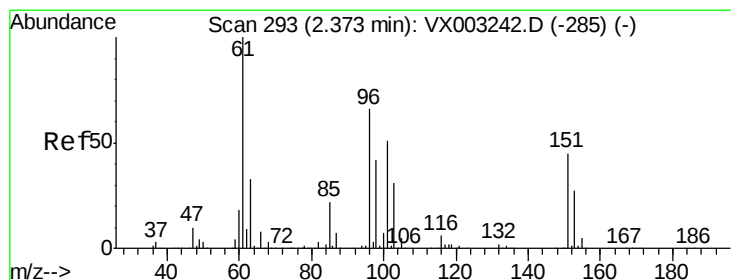
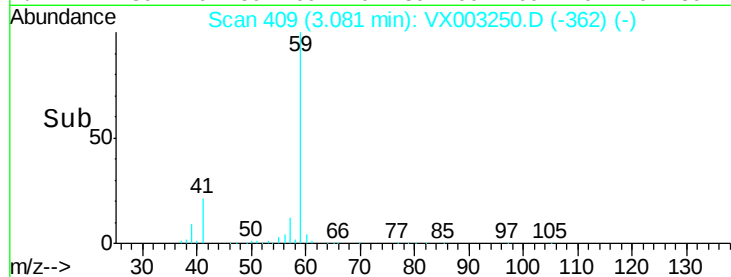
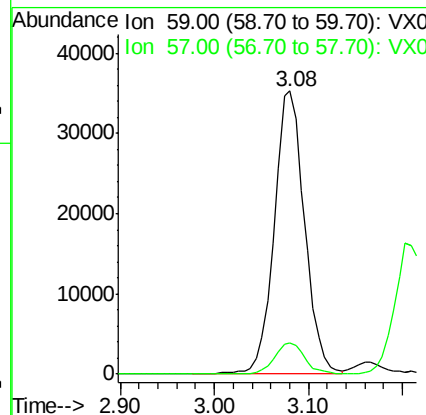
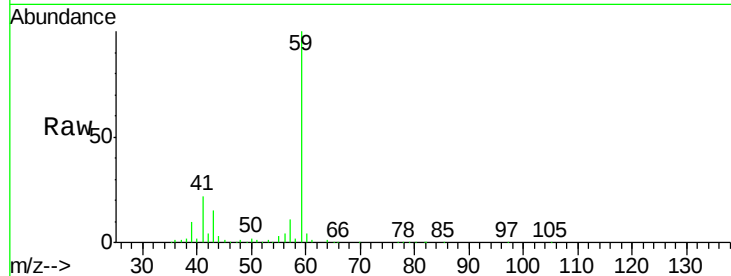
Tert butyl alcohol
 Concen: 102.97 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: VX003250.D
 Acq: 09 Jul 2018 17:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709MBSD01

Tot Ion: 59 Resp: 79372
 Ion Ratio Lower Upper
 59 100
 57 11.2 8.2 12.2

Manual Integrations
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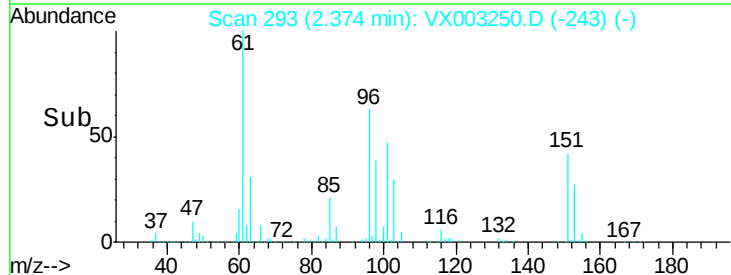
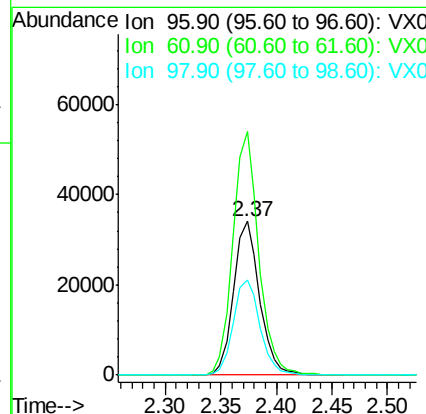
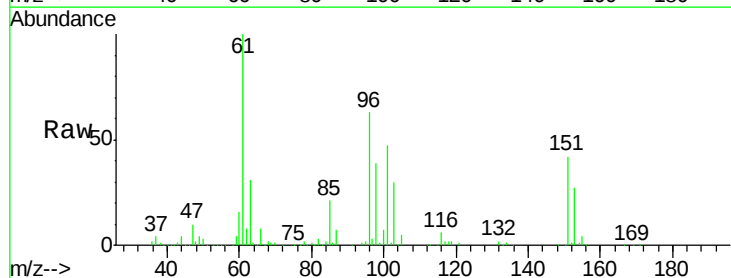
MMDadoda
 7/10/2018 3:11:49 PM

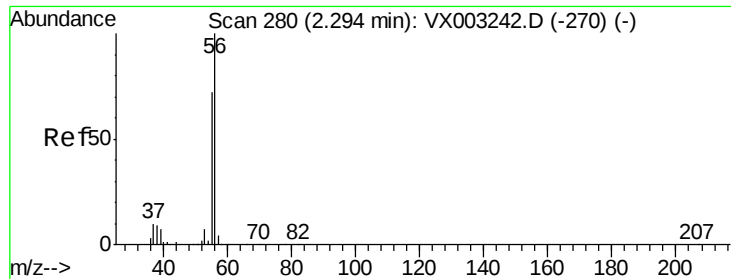


#12

1,1-Dichloroethene
 Concen: 18.15 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VX003250.D
 Acq: 09 Jul 2018 17:24

Tgt Ion: 96 Resp: 55114
 Ion Ratio Lower Upper
 96 100
 61 158.7 137.9 206.9
 98 61.8 51.6 77.4





#13

Acrolein

Concen: 86.00 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

Instrument :

MSVOA_X

ClientSampleId :

VX0709MBSD01

Tot Ion: 56 Resp: 53414

Ion Ratio Lower Upper

56 100

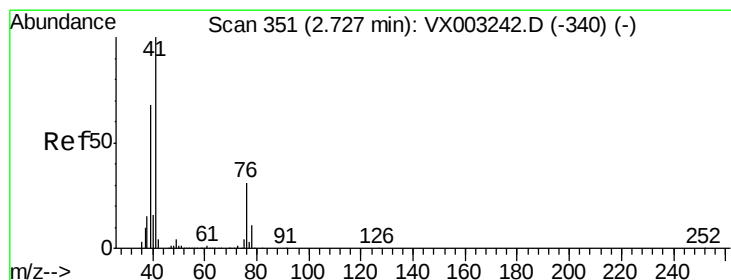
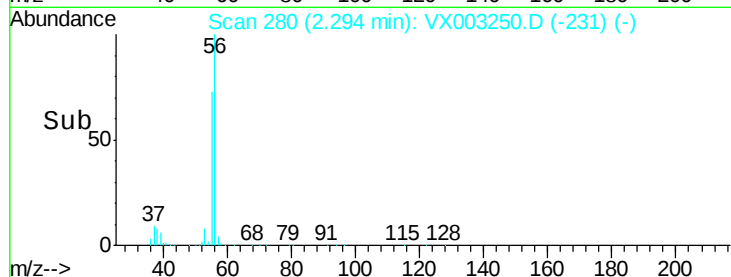
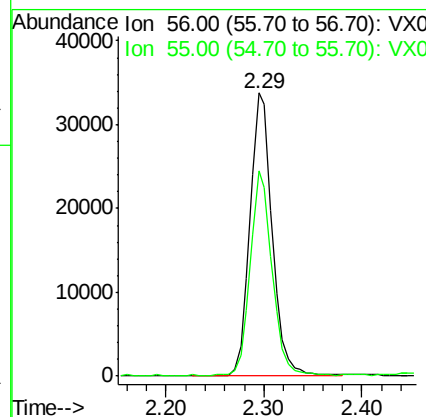
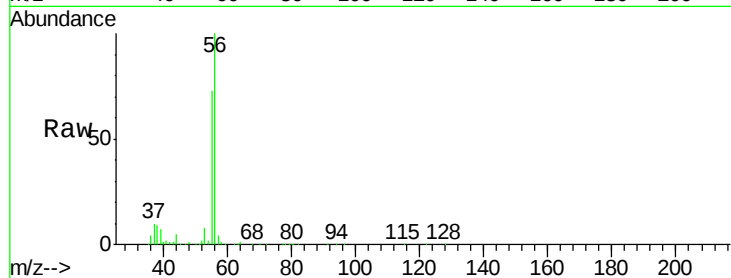
55 70.5 57.0 85.4

Manual Integrations

APPROVED

MMDadoda

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#14

Allyl chloride

Concen: 18.19 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

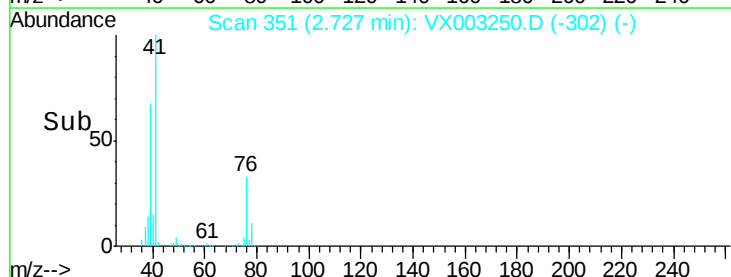
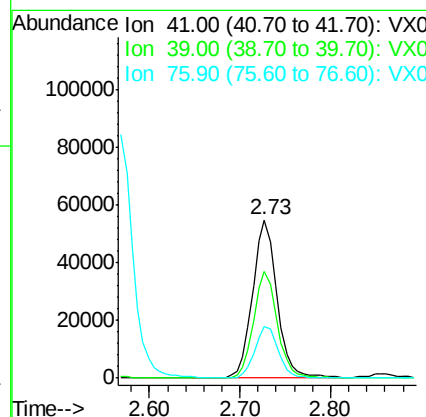
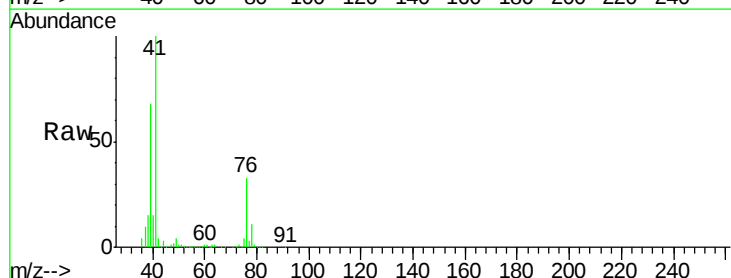
Tgt Ion: 41 Resp: 102277

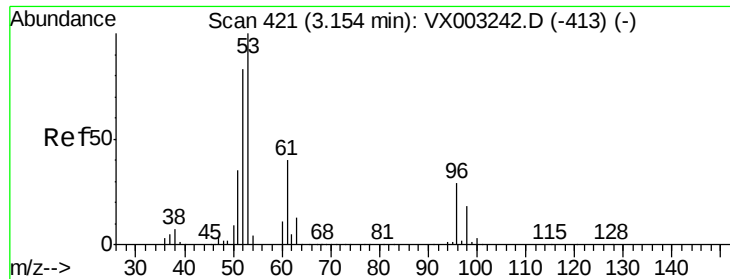
Ion Ratio Lower Upper

41 100

39 64.8 56.8 85.2

76 31.9 23.8 35.8





#15

Acrylonitrile

Concen: 93.33 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

Instrument :

MSVOA_X

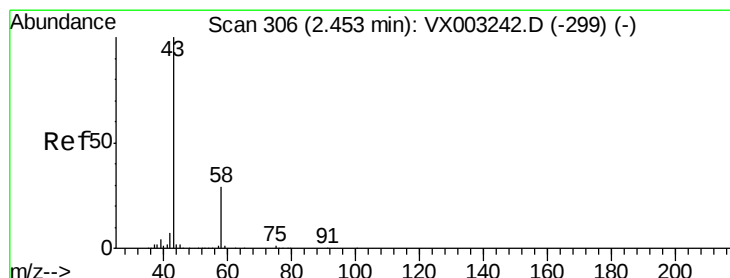
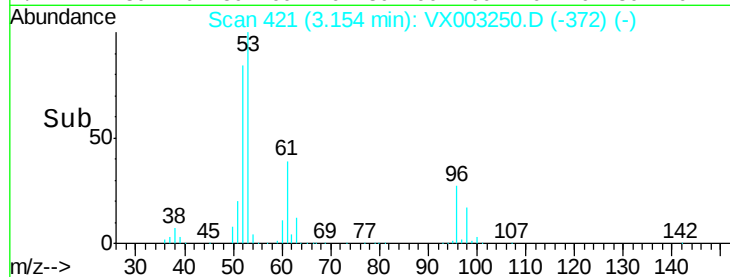
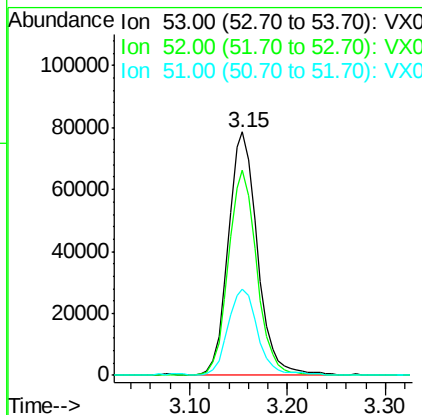
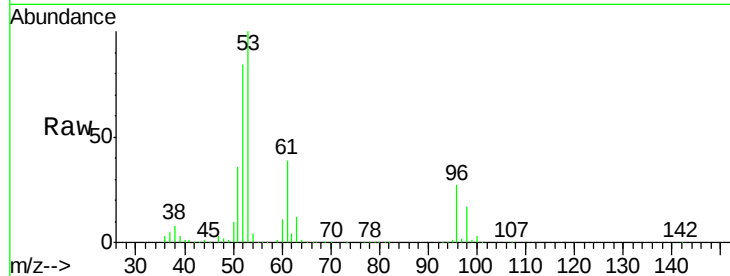
ClientSampled :

VX0709MBSD01

Tot Ion:	53	Resp:	160628
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.7	100.1
51	36.3	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 97.34 ug/l

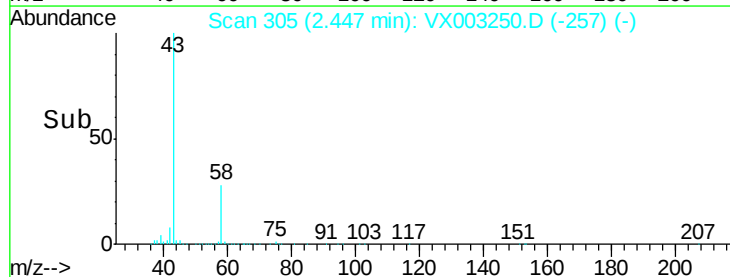
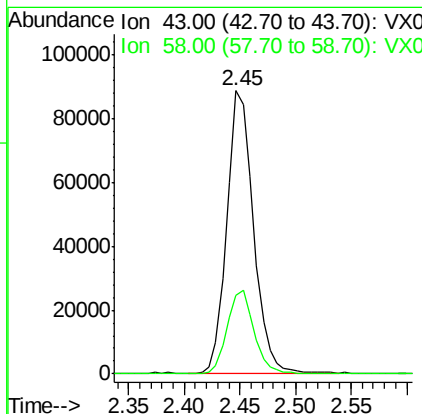
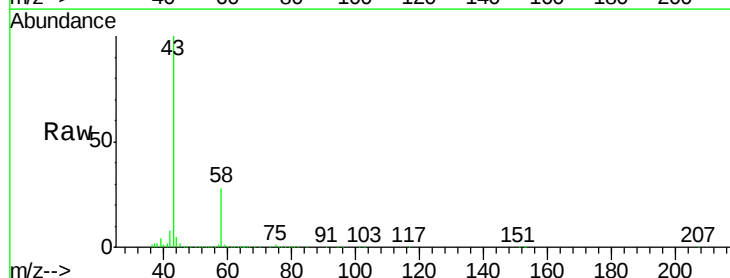
RT: 2.45 min Scan# 305

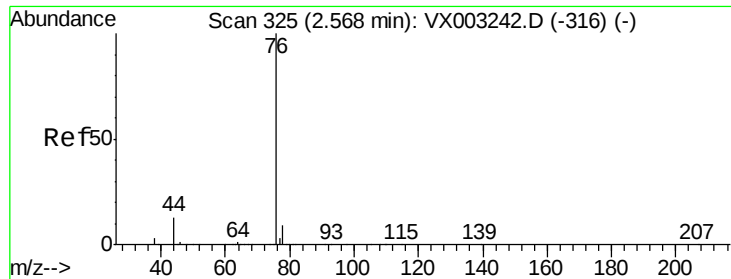
Delta R.T. -0.01 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

Tgt Ion:	43	Resp:	146931
Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.1	33.1





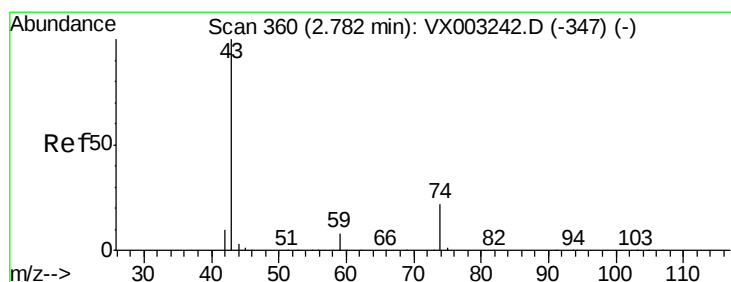
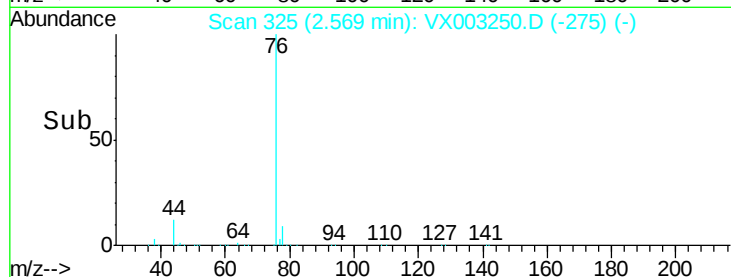
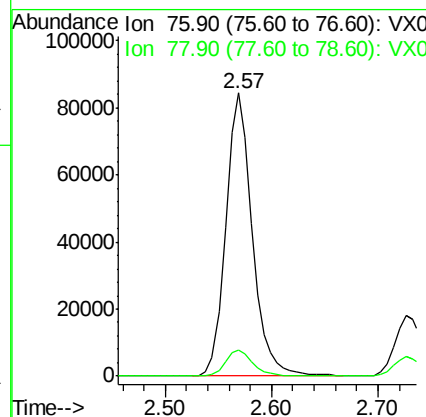
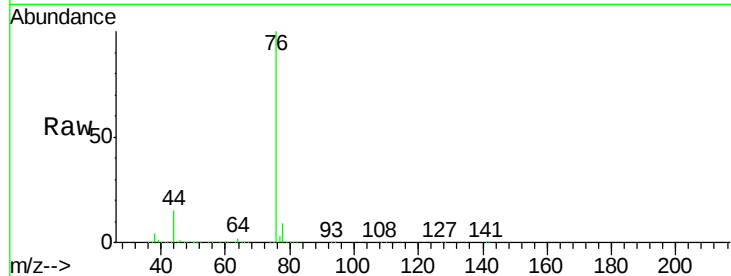
#17
Carbon Disulfide
Concen: 17.37 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.01 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Instrument :
MSVOA_X
ClientSampleId :
VX0709MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.9	10.3

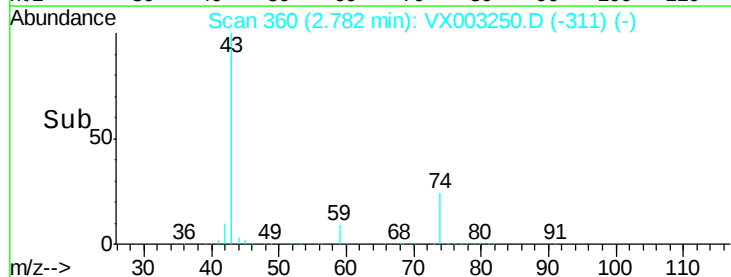
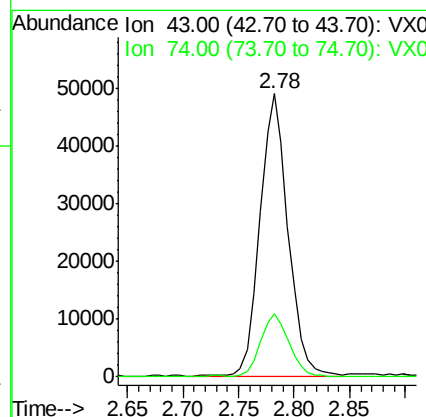
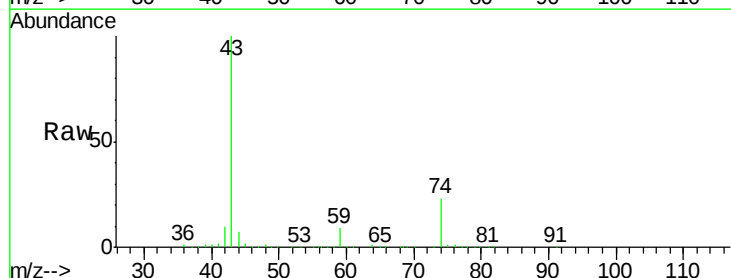
Manual Integrations
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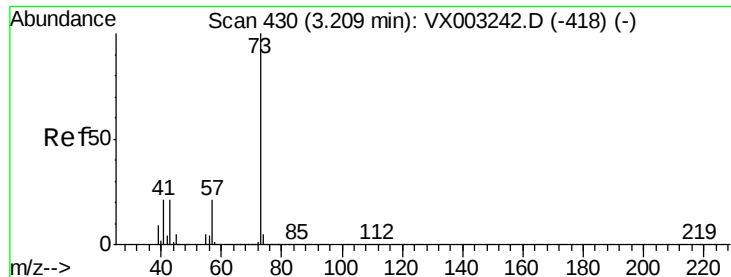
MMDadoda
7/10/2018 3:11:49 PM



#18
Methyl Acetate
Concen: 20.02 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	16.7	25.1





#19

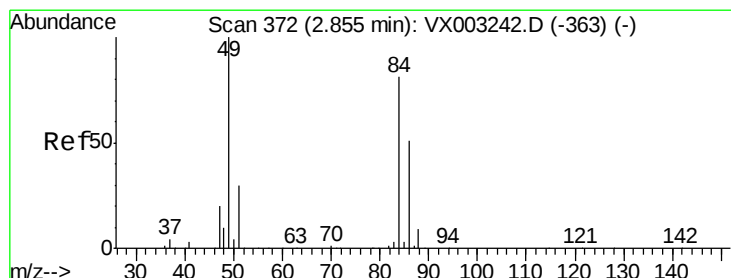
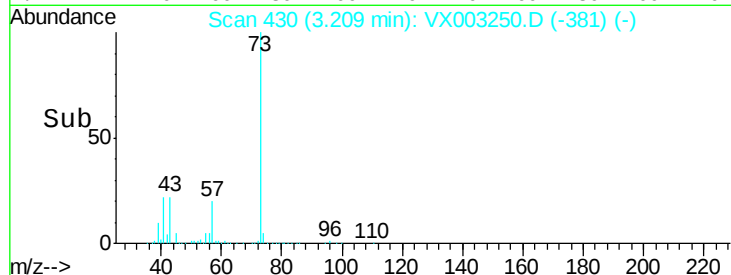
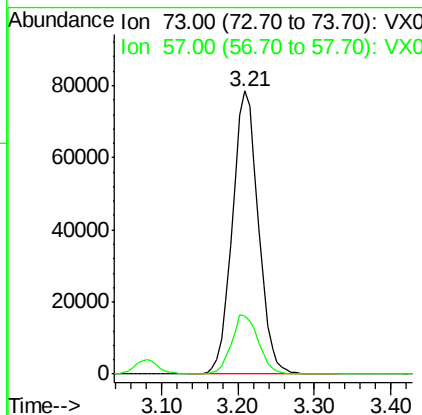
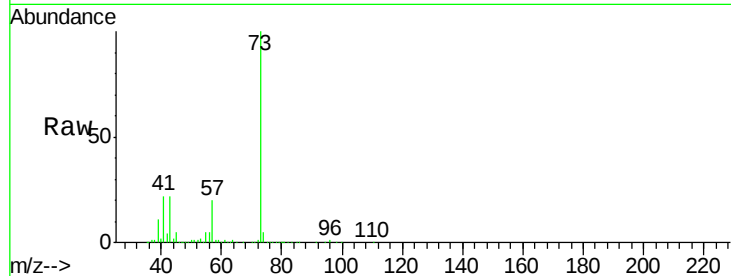
Methyl tert-butyl Ether
 Concen: 18.18 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX003250.D
 Acq: 09 Jul 2018 17:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709MBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.7	26.5

Manual Integrations
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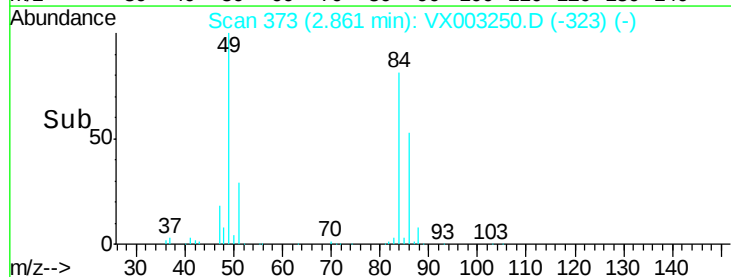
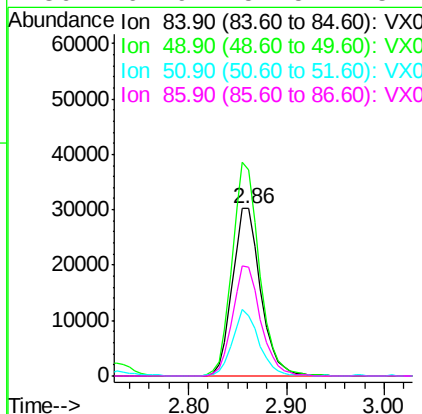
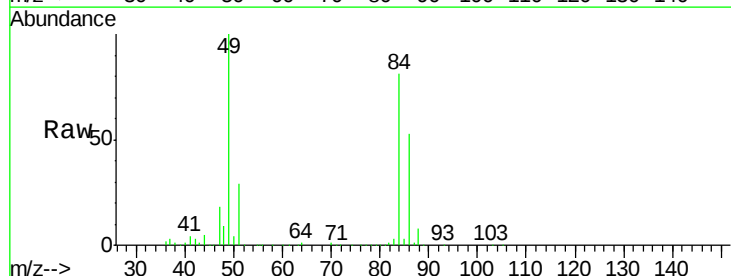
MMDadoda
 7/10/2018 3:11:49 PM

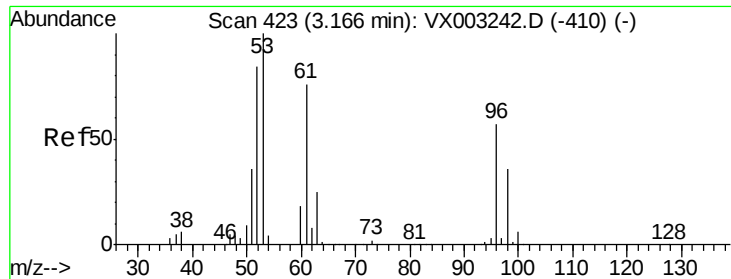


#20

Methylene Chloride
 Concen: 19.28 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.01 min
 Lab File: VX003250.D
 Acq: 09 Jul 2018 17:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.1	107.8	161.6
51	35.8	32.8	49.2
86	64.9	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 18.16 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

Instrument :

MSVOA_X

ClientSampleId :

VX0709MBS01

Tot Ion: 96 Resp: 58764

Ion Ratio Lower Upper

96 100

61 137.7 117.0 175.4

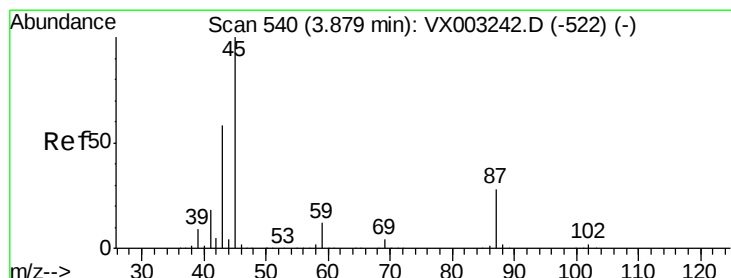
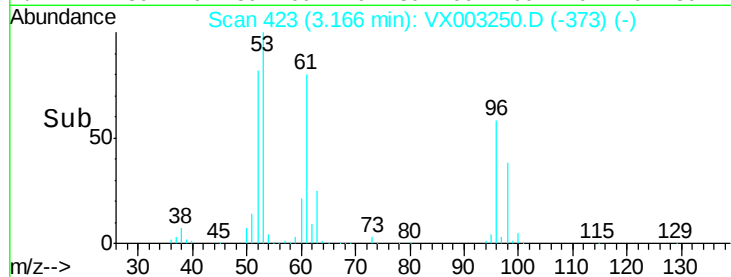
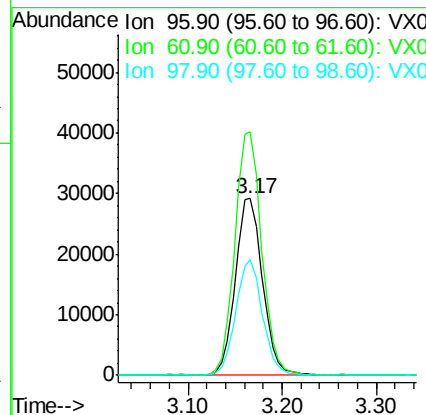
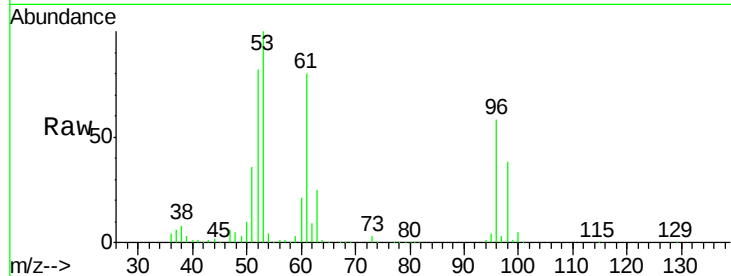
98 65.4 52.4 78.6

Manual Integrations

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MMDadoda

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#22

Diisopropyl ether

Concen: 16.26 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

Tgt Ion: 45 Resp: 186070

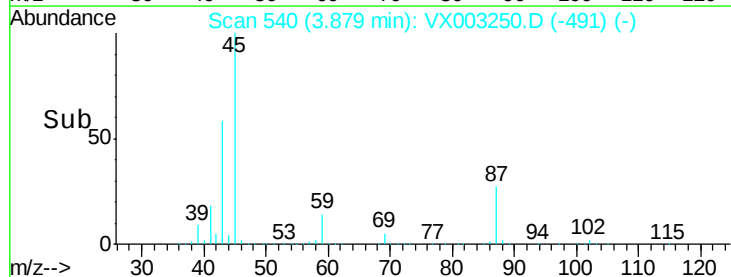
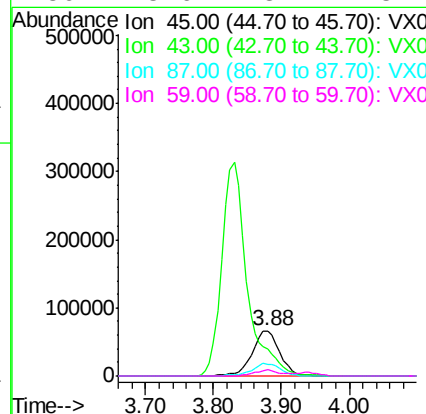
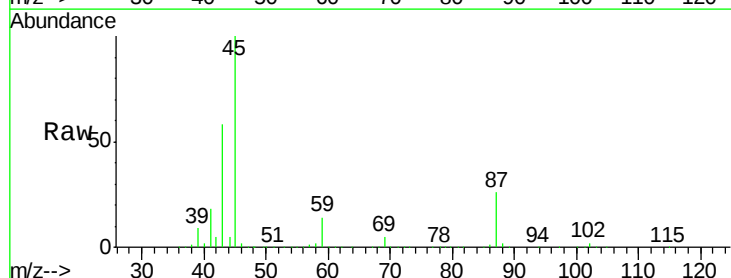
Ion Ratio Lower Upper

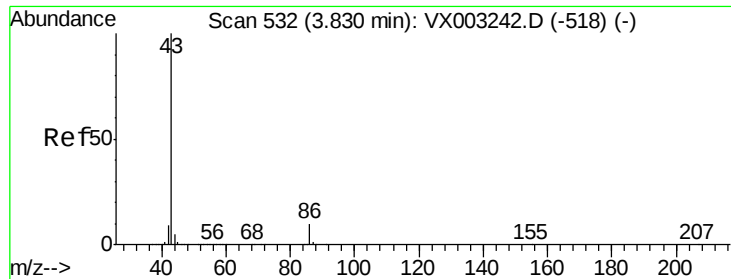
45 100

43 57.7 46.8 70.2

87 26.5 20.2 30.4

59 13.6 8.7 13.1#





#23

Vinyl Acetate

Concen: 84.16 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

Instrument :

MSVOA_X

ClientSampleId :

VX0709MBSD01

Tot Ion: 43 Resp: 817466

Ion Ratio Lower Upper

43 100

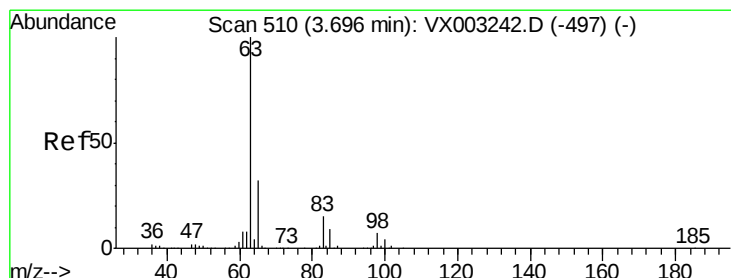
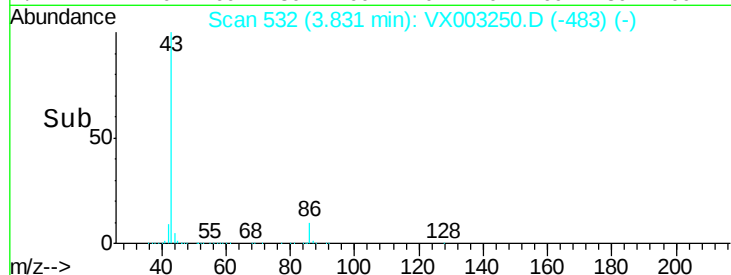
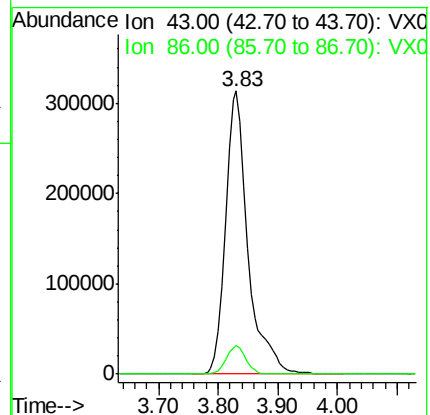
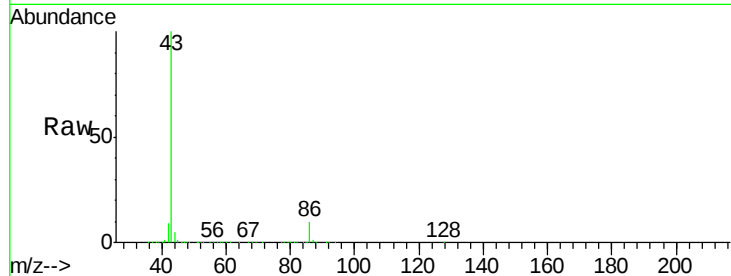
86 10.3 7.4 11.0

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 17.85 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

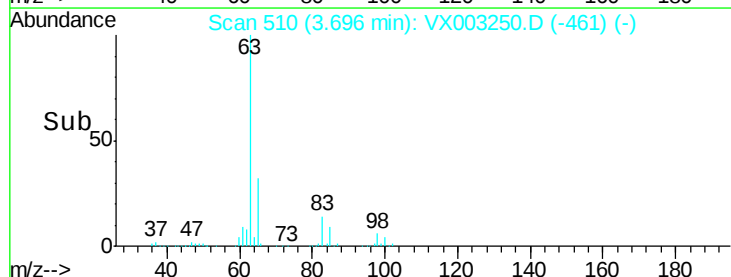
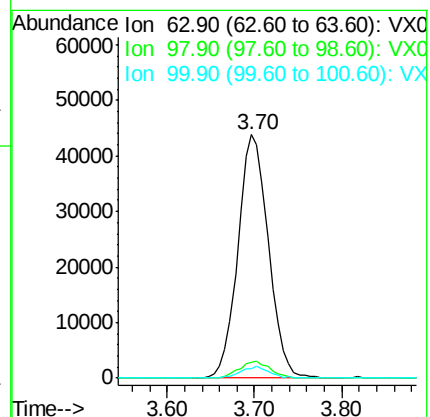
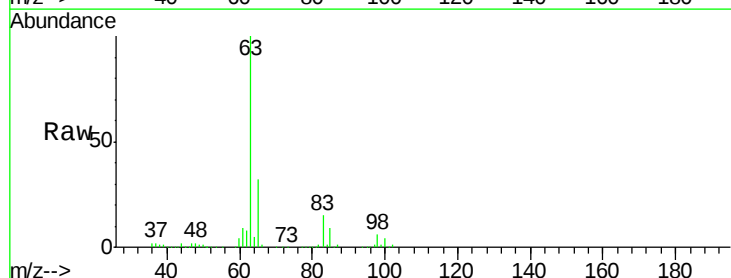
Tgt Ion: 63 Resp: 106276

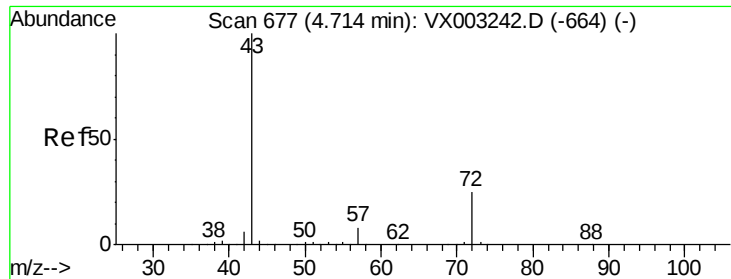
Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.2

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 98.13 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

Instrument :

MSVOA_X

ClientSampleId :

VX0709MBSD01

Tot Ion: 43 Resp: 262091

Ion Ratio Lower Upper

43 100

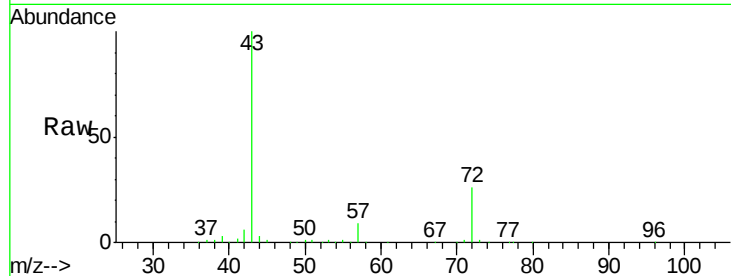
72 25.5 18.5 27.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

100000

80000

60000

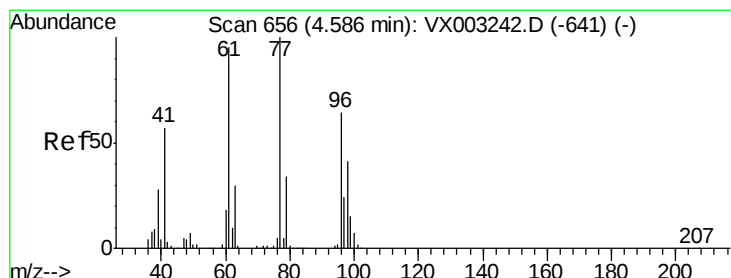
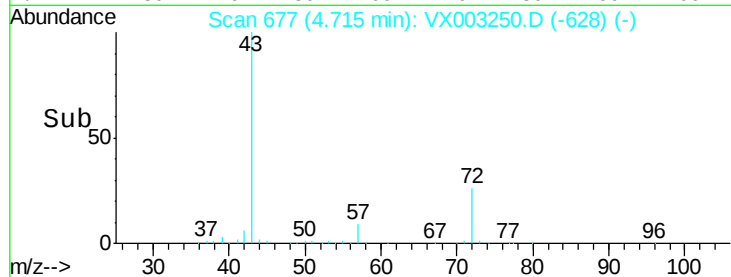
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 17.44 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003250.D

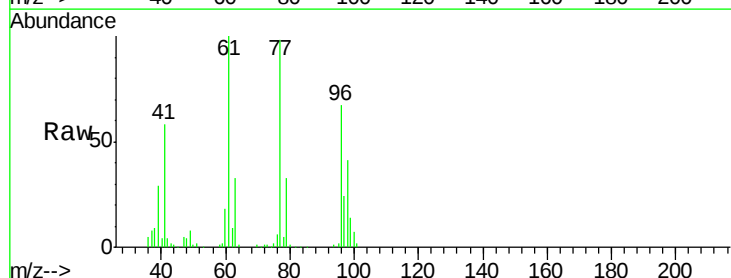
Acq: 09 Jul 2018 17:24

Tgt Ion: 77 Resp: 90816

Ion Ratio Lower Upper

77 100

97 24.2 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

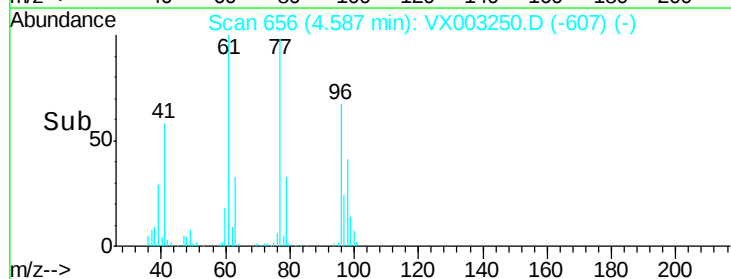
20000

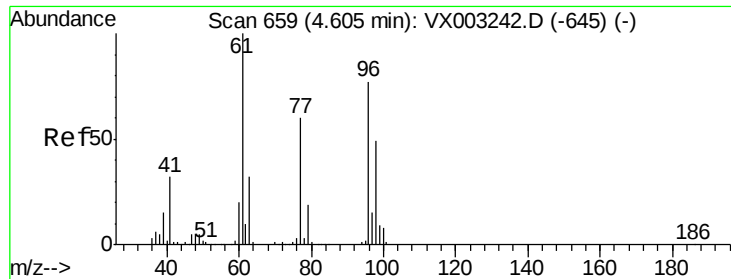
10000

0

4.50 4.60 4.70

Time-->





#27

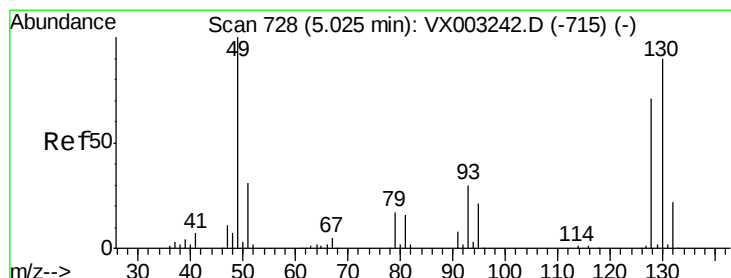
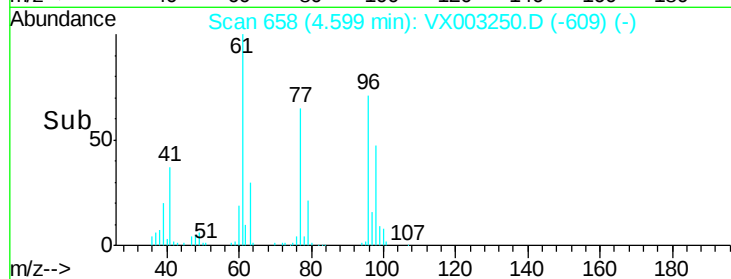
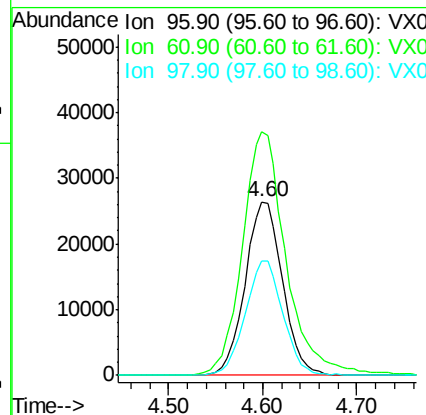
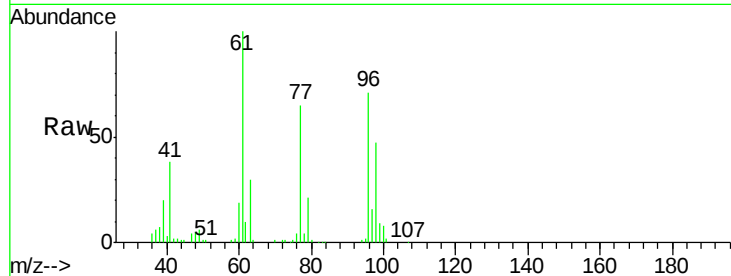
cis-1,2-Dichloroethene
Concen: 18.49 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Instrument :
MSVOA_X
ClientSampleId :
VX0709MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	163.8	0.0	330.2	
98	66.3	0.0	130.2	

Manual Integrations
APPROVED

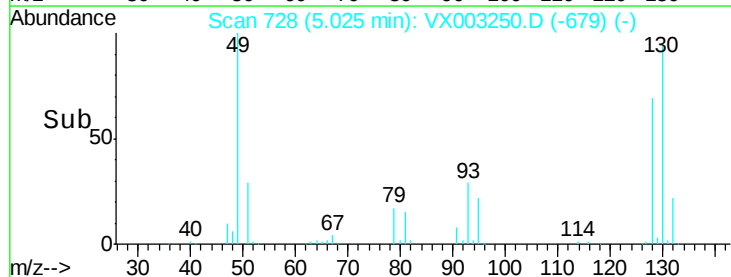
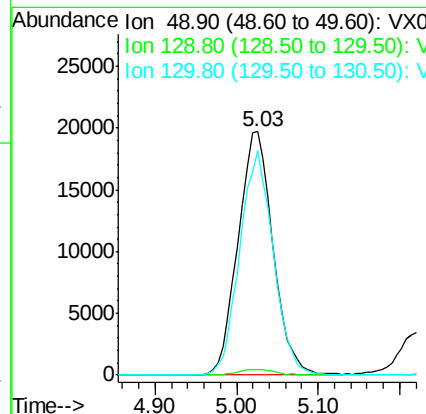
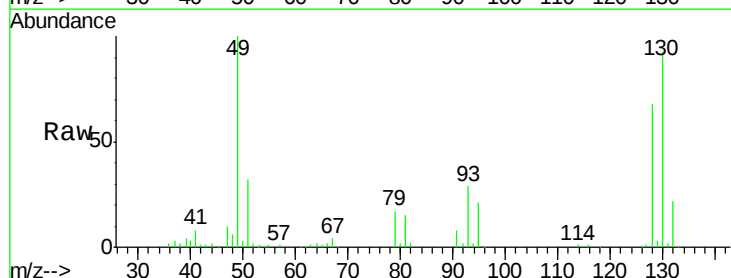
MMDadoda
7/10/2018 3:11:49 PM

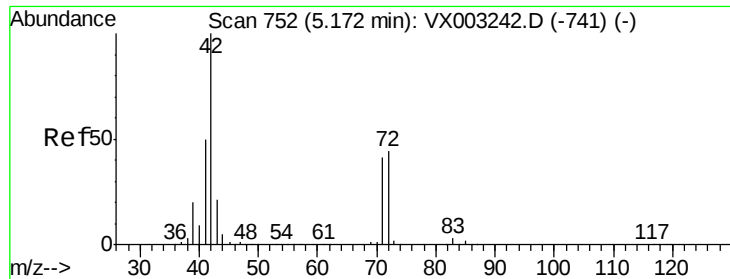


#28

Bromochloromethane
Concen: 19.54 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.5	0.0	4.2	
130	88.4	61.2	91.8	





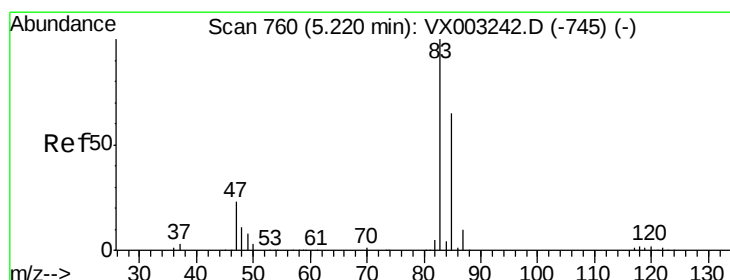
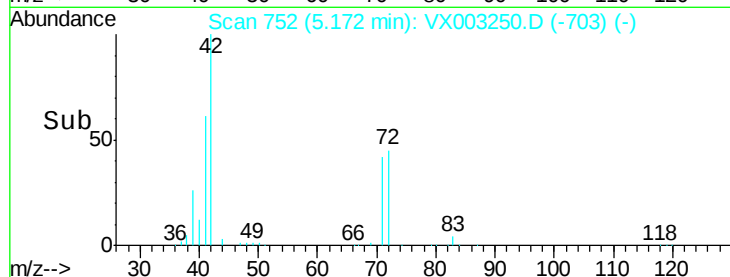
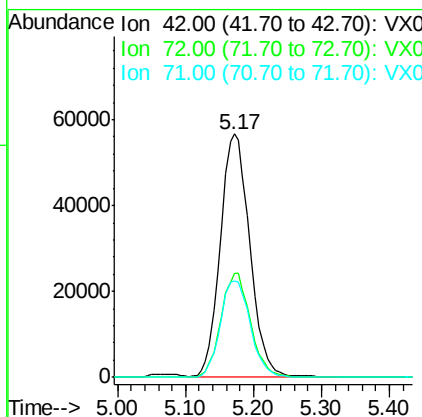
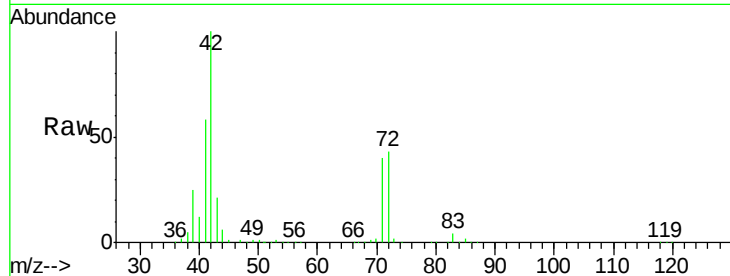
#29
Tetrahydrofuran
Concen: 97.88 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Instrument :
MSVOA_X
ClientSampleId :
VX0709MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	32.0	48.0
71	40.6	30.1	45.1

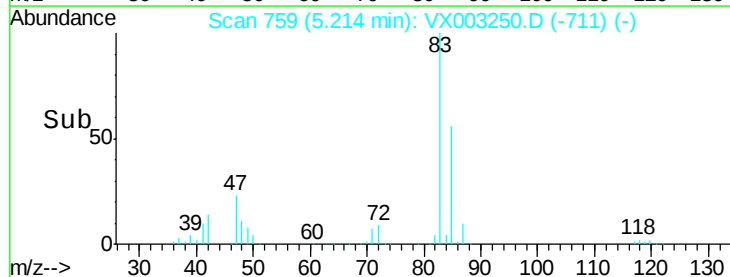
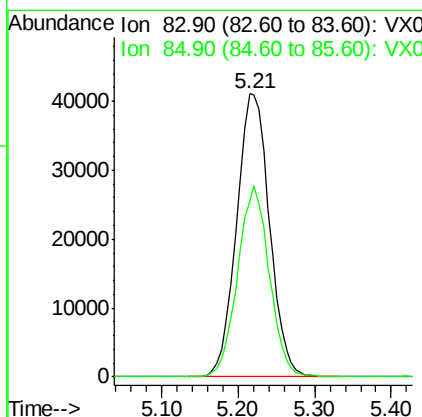
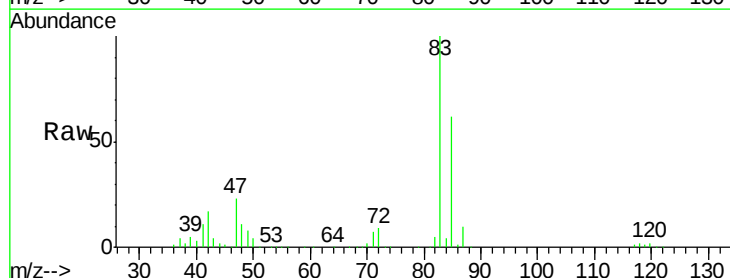
Manual Integrations
APPROVED

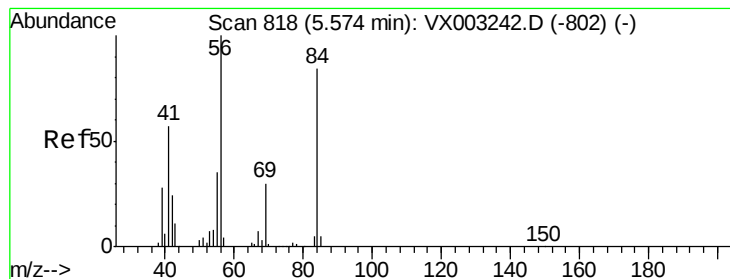
MMDadoda
7/10/2018 3:11:49 PM



#30
Chloroform
Concen: 18.73 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	50.4	75.6





#31

Cyclohexane

Concen: 19.02 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

Instrument :

MSVOA_X

ClientSampleId :

VX0709MBS01

Tot Ion: 56 Resp: 106035

Ion Ratio Lower Upper

56 100

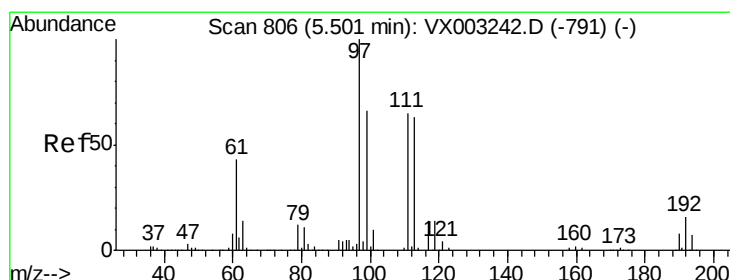
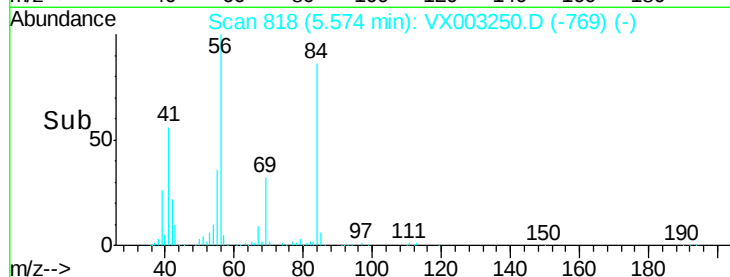
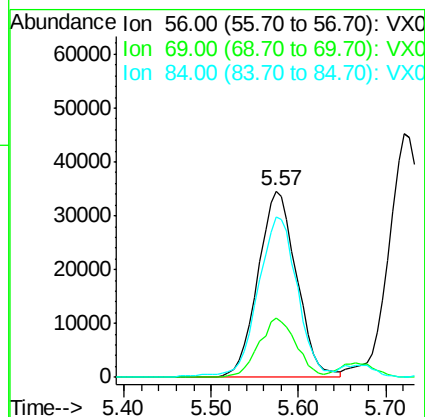
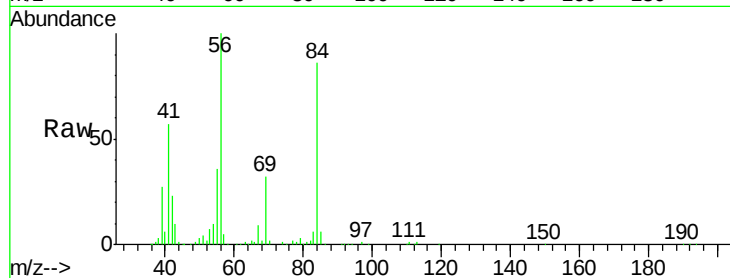
69 32.2 23.7 35.5

84 85.1 64.1 96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.59 ug/l

RT: 5.49 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

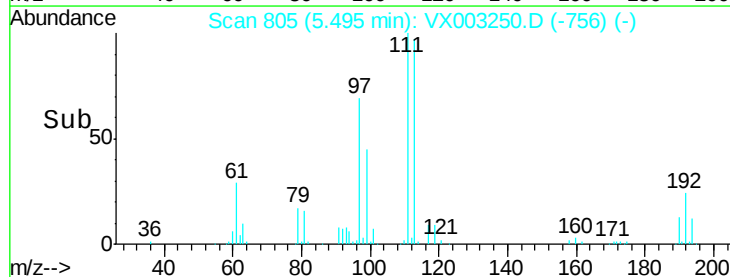
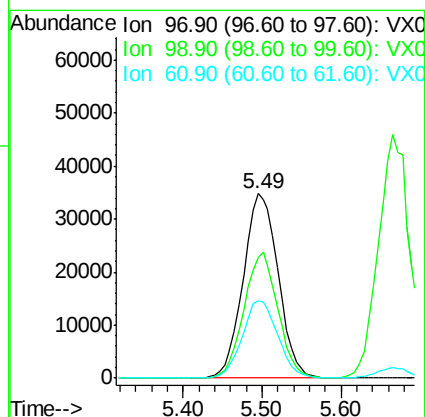
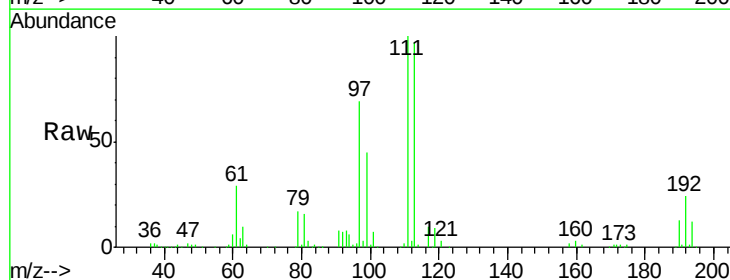
Tgt Ion: 97 Resp: 107411

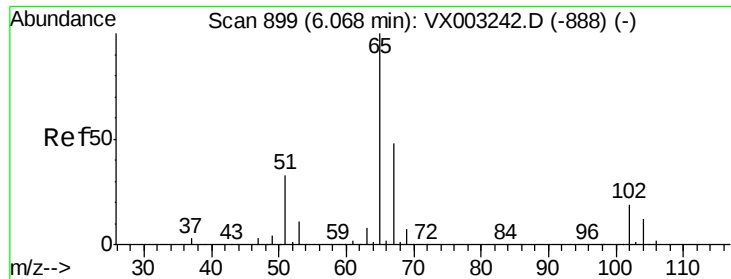
Ion Ratio Lower Upper

97 100

99 65.9 51.6 77.4

61 42.9 36.4 54.6





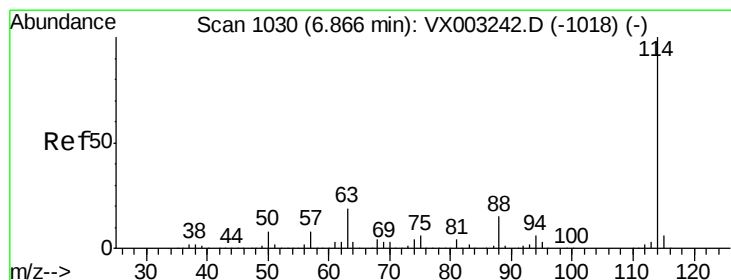
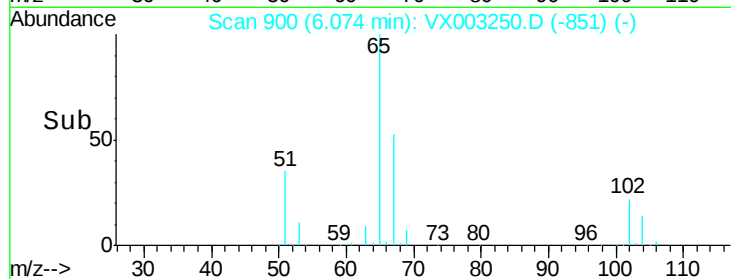
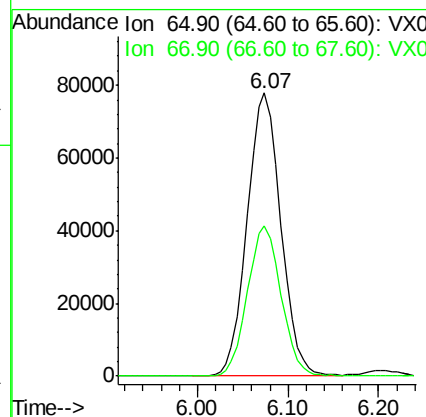
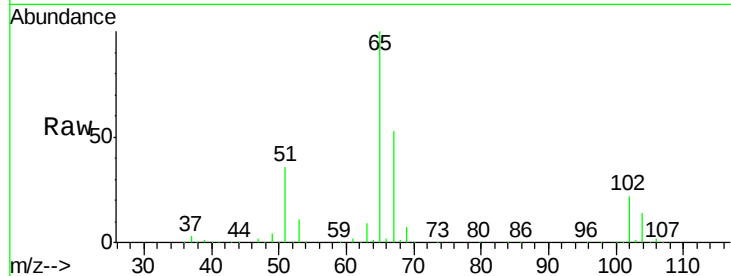
#33
 1,2-Dichloroethane-d4
 Concen: 47.15 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003250.D
 Acq: 09 Jul 2018 17:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	200466		
67	53.0	0.0	102.6	

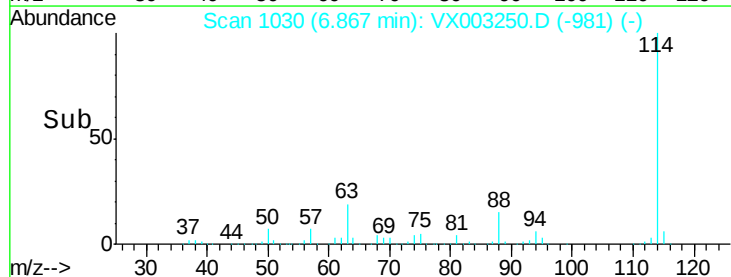
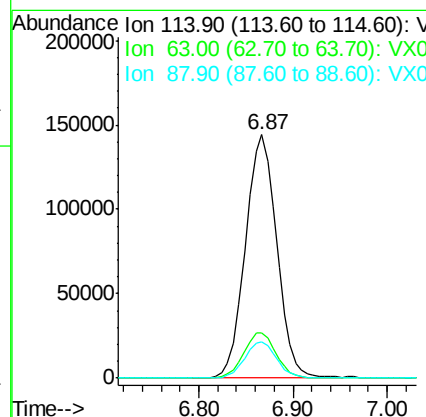
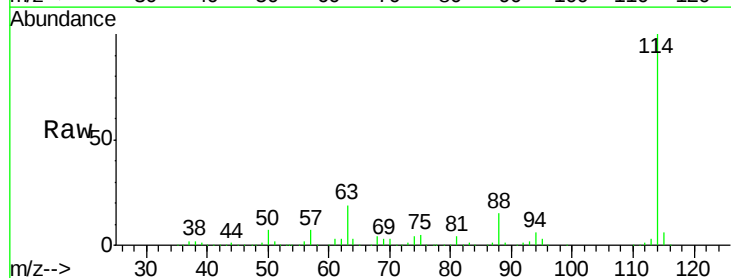
Manual Integrations
 APPROVED

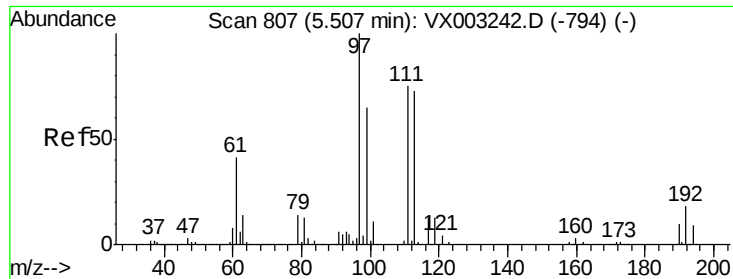
MMDadoda
 7/10/2018 3:11:49 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003250.D
 Acq: 09 Jul 2018 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	334576		
63	18.8	0.0	41.4	
88	15.0	0.0	30.0	





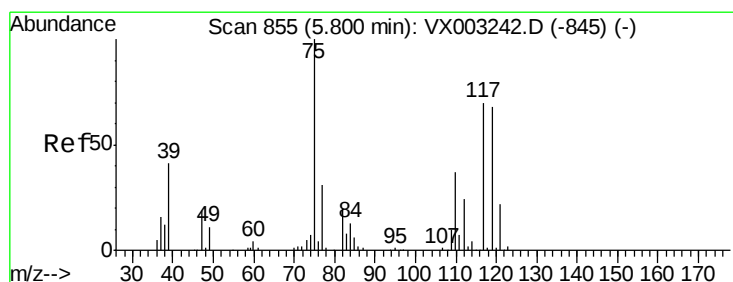
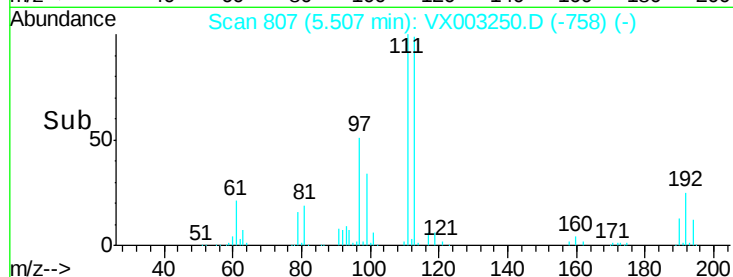
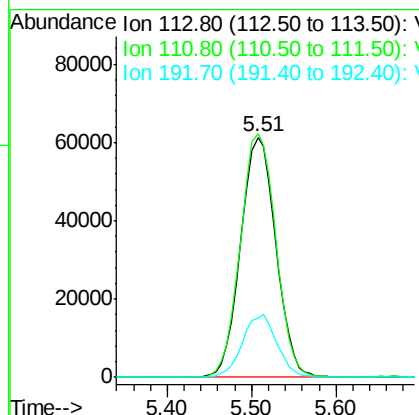
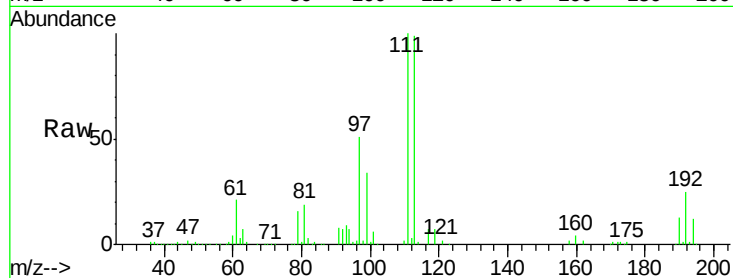
#35
 Dibromofluoromethane
 Concen: 48.22 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003250.D
 Acq: 09 Jul 2018 17:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	173323		
111	102.4	81.4	122.0	
192	25.8	19.1	28.7	

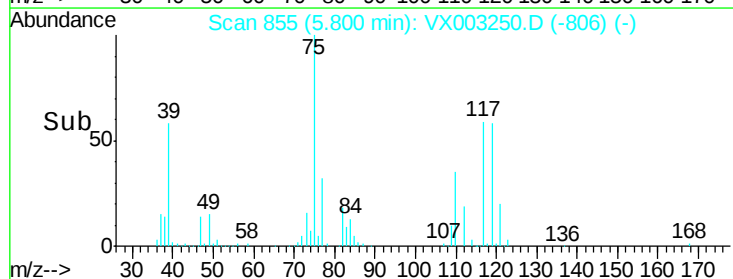
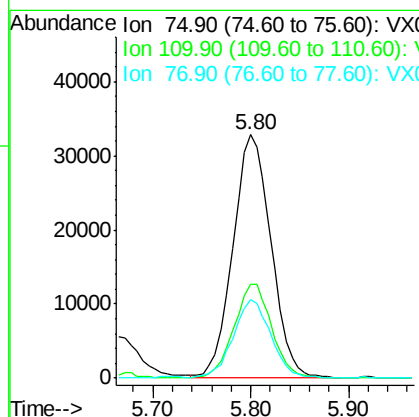
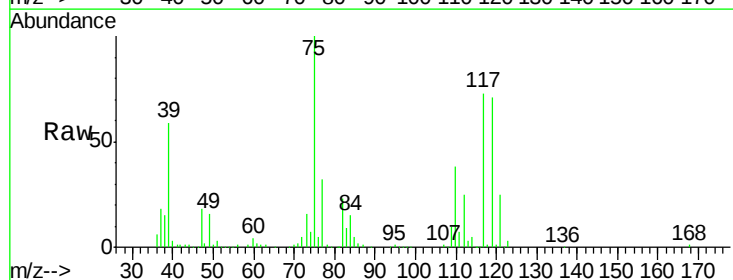
Manual Integrations
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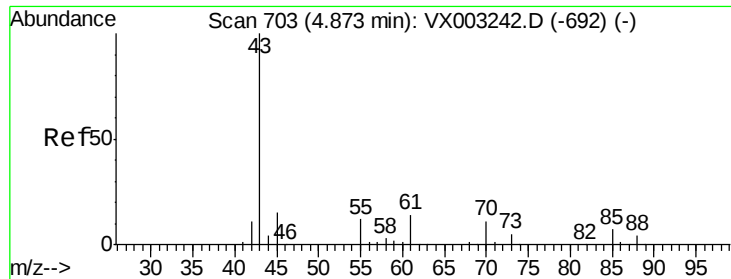
MMDadoda
 7/10/2018 3:11:49 PM



#36
 1,1-Dichloropropene
 Concen: 18.53 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003250.D
 Acq: 09 Jul 2018 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	87775		
110	38.8	18.1	54.4	
77	32.1	24.3	36.5	





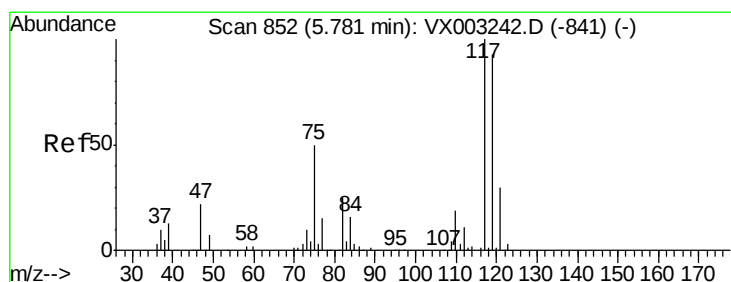
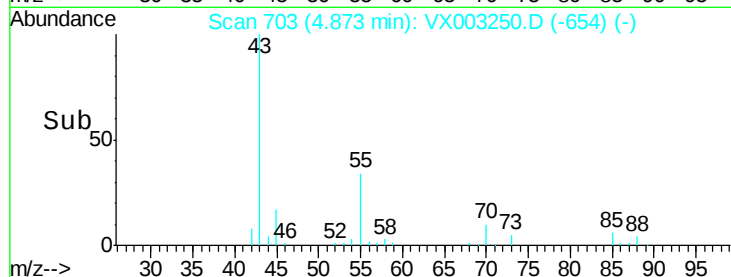
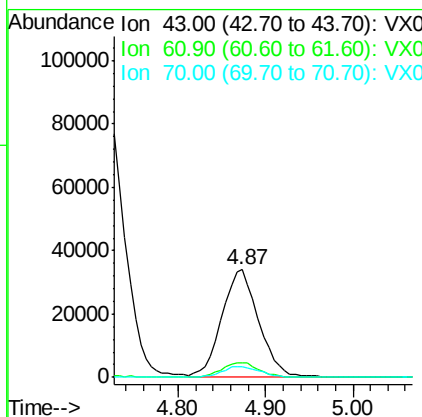
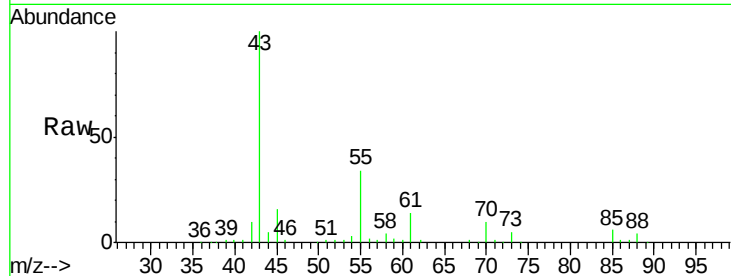
#37
Ethyl Acetate
Concen: 18.94 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Instrument :
MSVOA_X
ClientSampleId :
VX0709MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.4	15.6
70	10.7	7.6	11.4

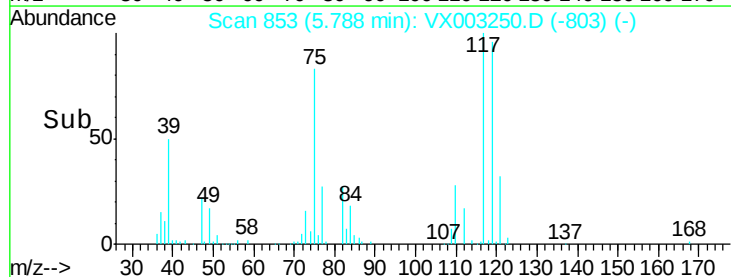
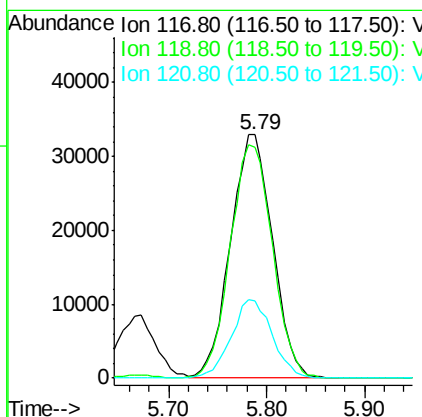
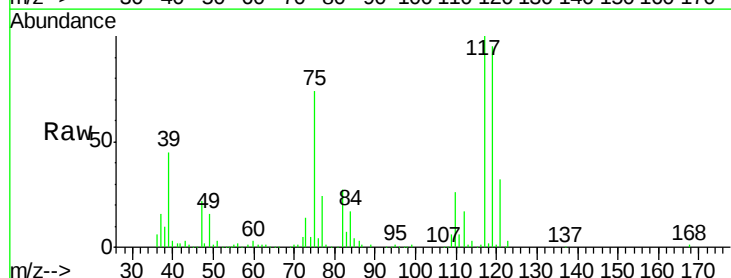
Manual Integrations
APPROVED

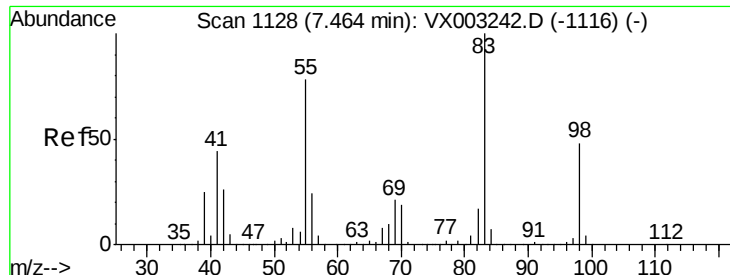
MMDadoda
7/10/2018 3:11:49 PM



#38
Carbon Tetrachloride
Concen: 18.98 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.01 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.4	116.0
121	31.6	24.4	36.6





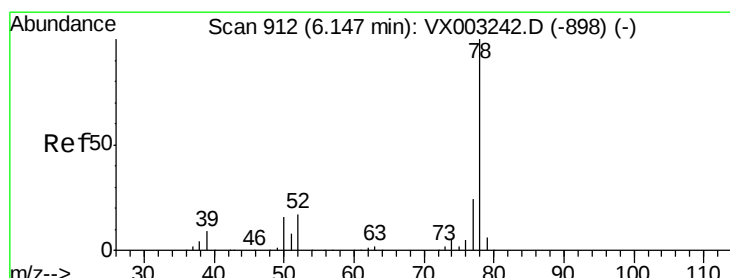
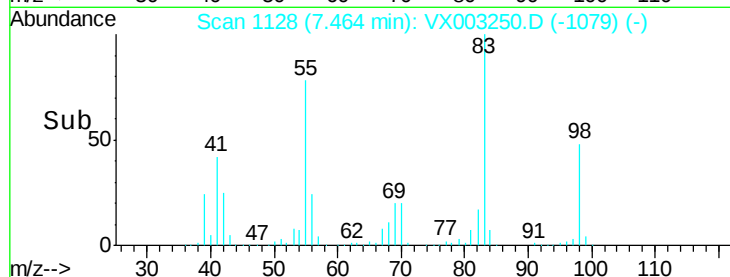
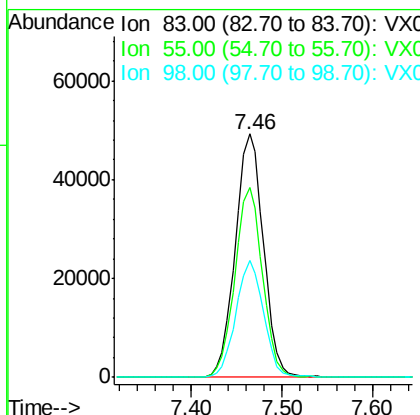
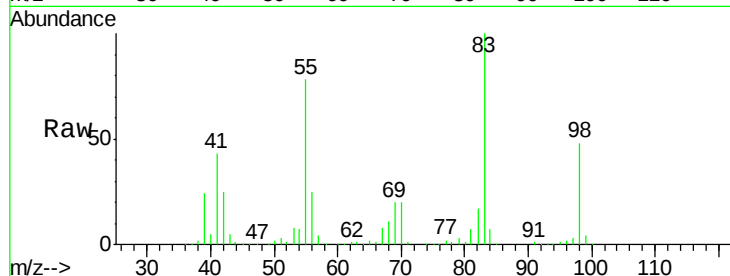
#39
Methylvlcyclohexane
Concen: 19.00 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Instrument :
MSVOA_X
ClientSampleId :
VX0709MBSD01

Tot Ion	83	Resp	106025
Ion Ratio	100	Lower	Upper
83	100		
55	77.6	65.4	98.0
98	48.0	37.4	56.0

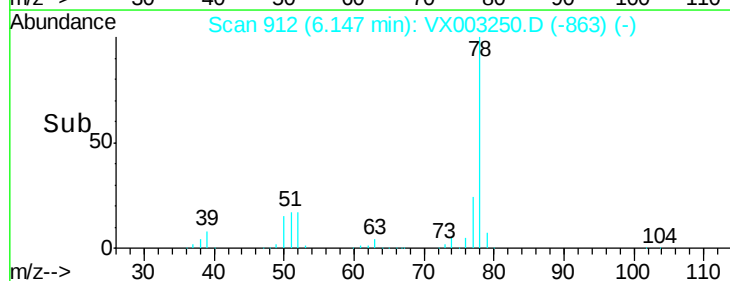
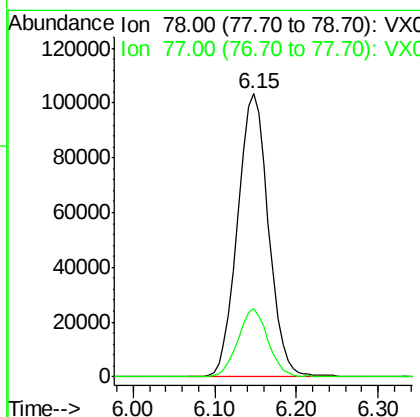
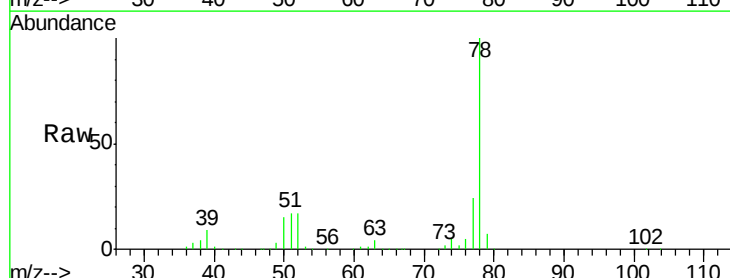
Manual Integrations
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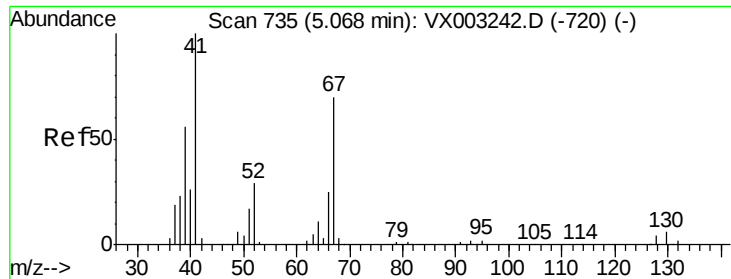
MMDadoda
7/10/2018 3:11:49 PM



#40
Benzene
Concen: 19.33 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Tgt Ion	78	Resp	271247
Ion Ratio	100	Lower	Upper
78	100		
77	24.0	19.1	28.7





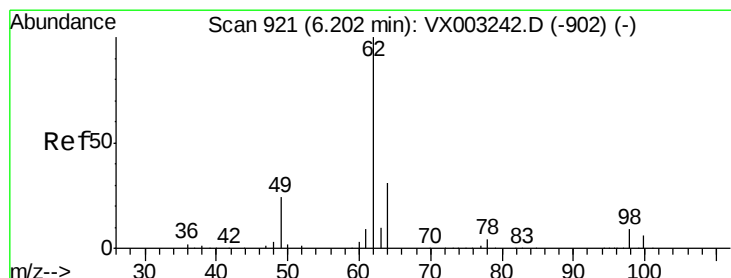
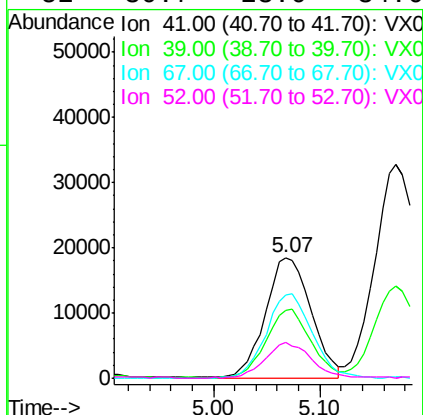
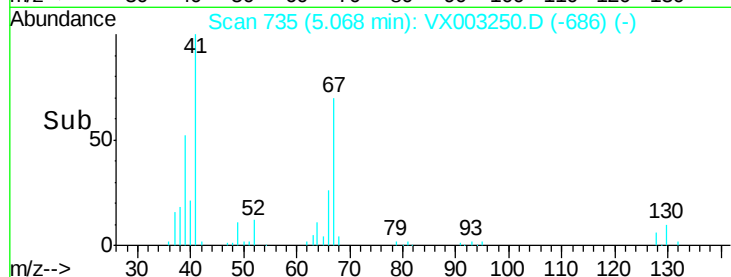
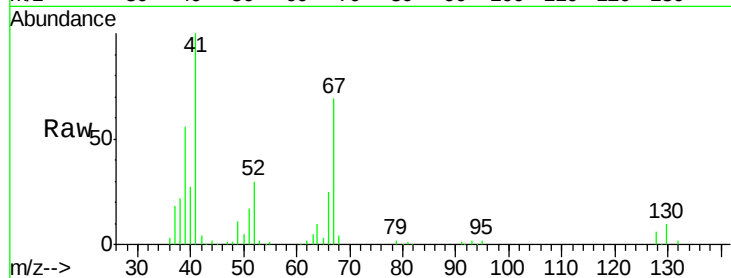
#41
Methacrylonitrile
Concen: 19.10 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Instrument :
MSVOA_X
ClientSampleId :
VX0709MBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.0	45.8	68.6	
67	71.6	51.3	76.9	
52	30.7	23.0	34.6	

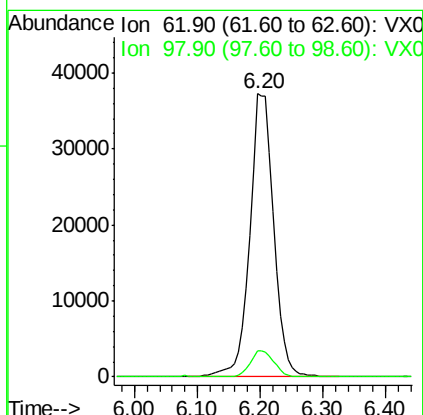
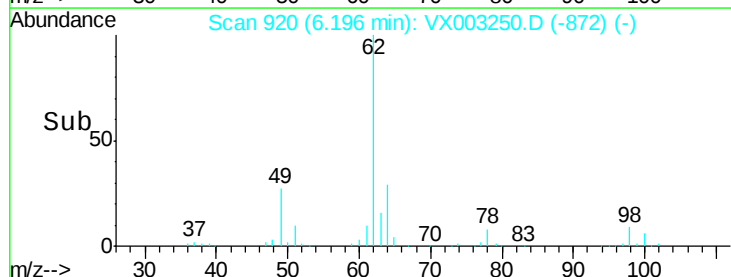
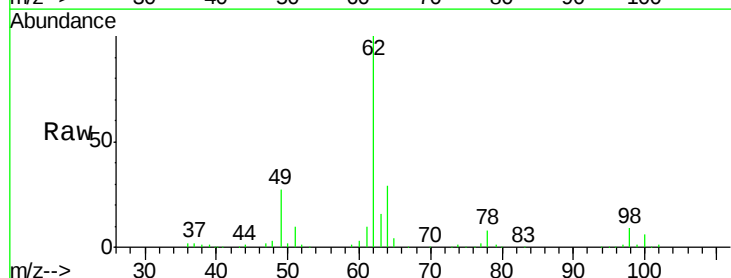
Manual Integrations
APPROVED

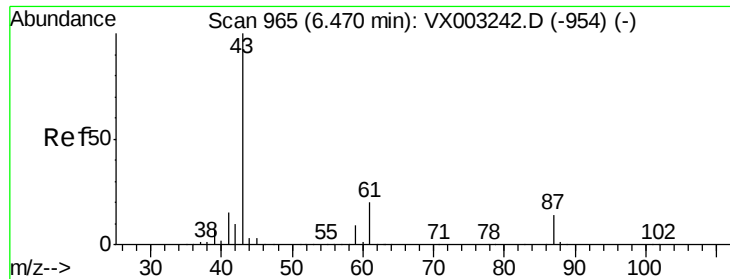
MMDadoda
7/10/2018 3:11:49 PM



#42
1,2-Dichloroethane
Concen: 18.83 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	16.6	





#43

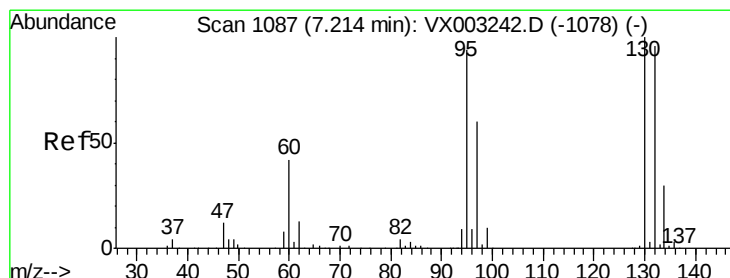
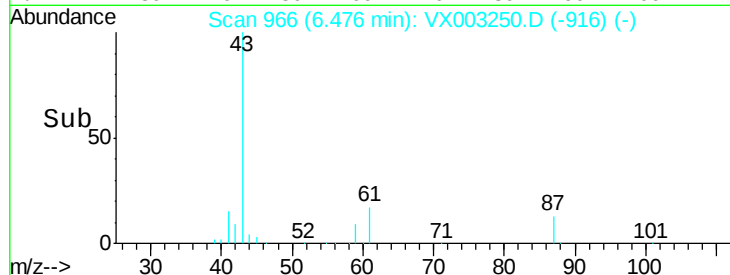
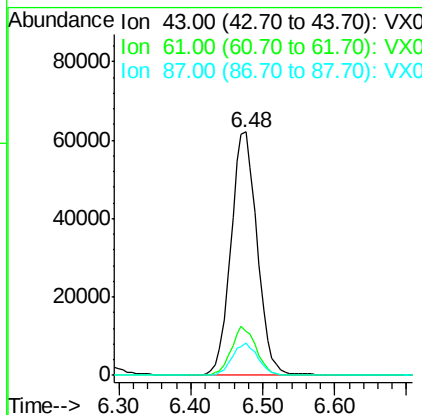
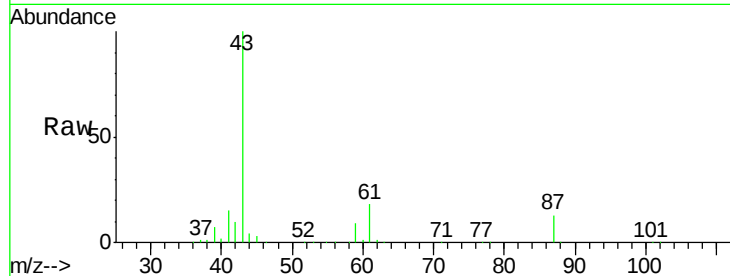
Isopropyl Acetate
 Concen: 19.20 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.01 min
 Lab File: VX003250.D
 Acq: 09 Jul 2018 17:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	14.4	21.6
87	12.9	9.5	14.3

Manual Integrations
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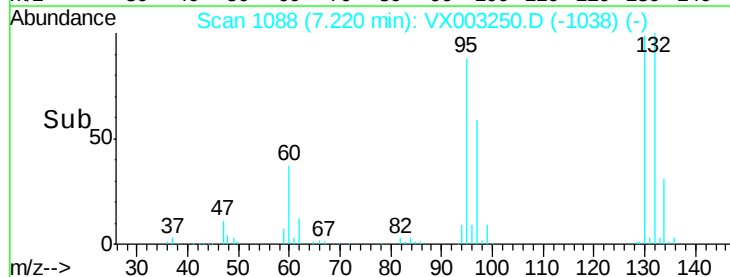
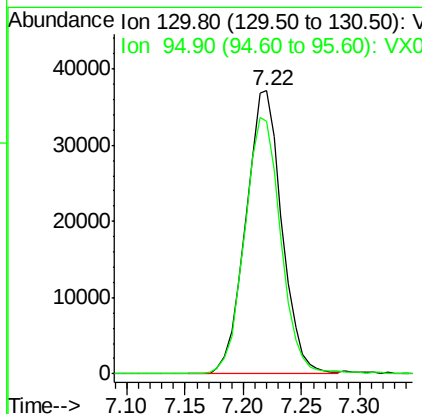
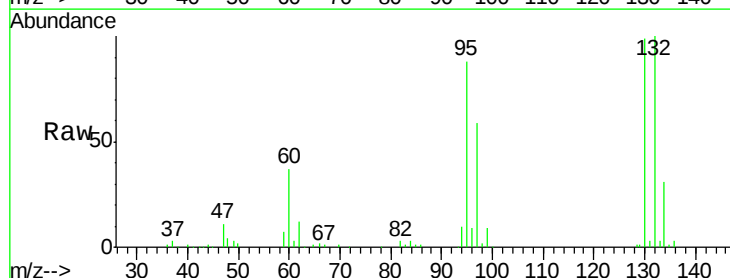
MMDadoda
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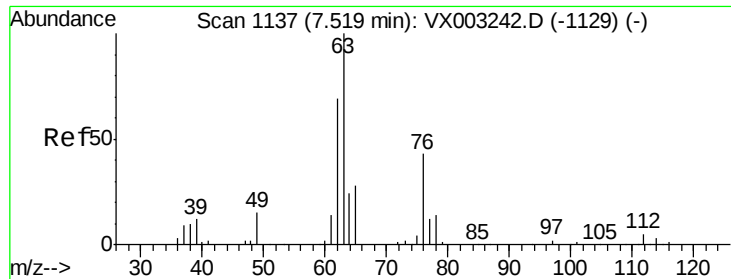


#44

Trichloroethene
 Concen: 19.24 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX003250.D
 Acq: 09 Jul 2018 17:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.1	0.0	185.4





#45

1,2-Dichloropropane

Concen: 18.70 ug/l

RT: 7.53 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

Instrument :

MSVOA_X

ClientSampleId :

VX0709MBSD01

Tot Ion: 63 Resp: 68232

Ion Ratio Lower Upper

63 100

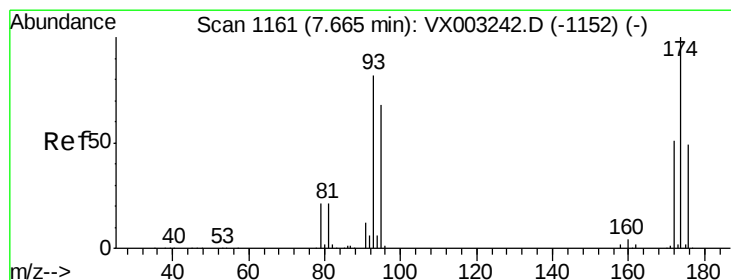
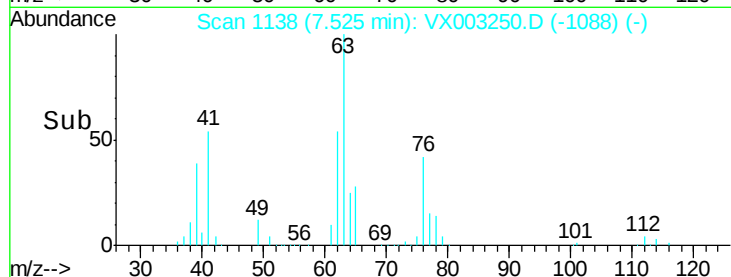
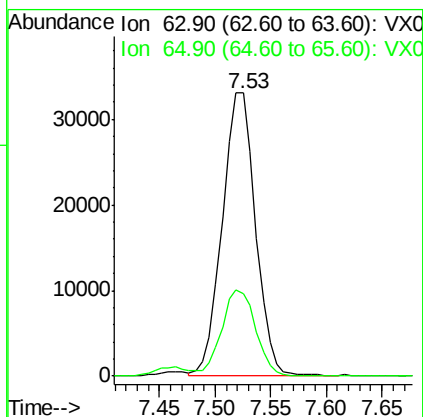
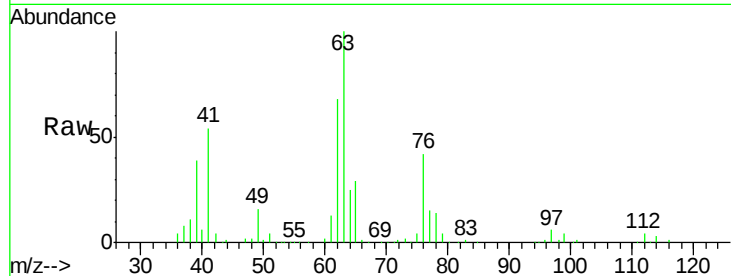
65 29.1 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 18.95 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

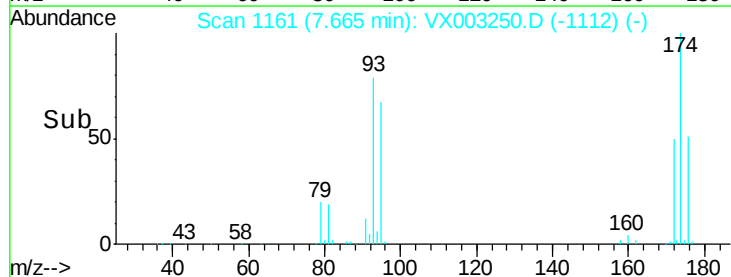
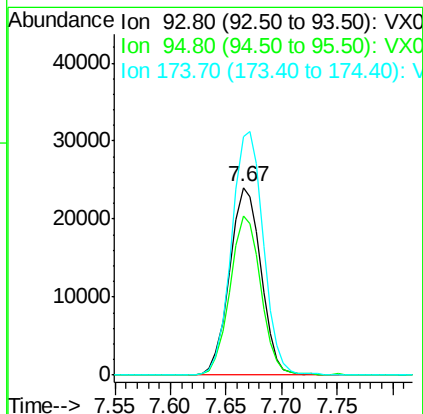
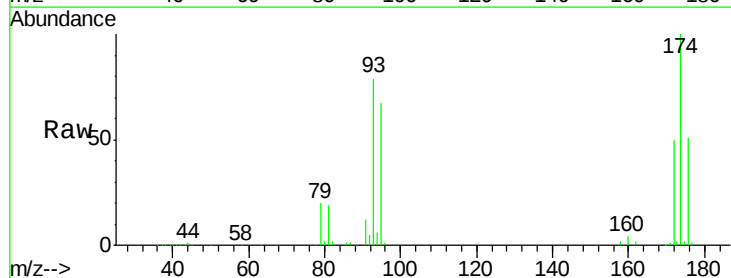
Tgt Ion: 93 Resp: 47136

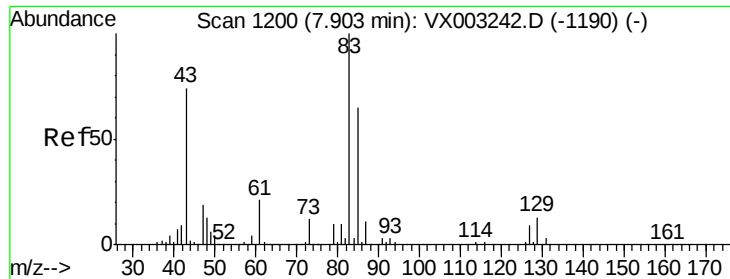
Ion Ratio Lower Upper

93 100

95 83.2 65.9 98.9

174 130.8 92.4 138.6





#47

Bromodichloromethane

Concen: 18.47 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

Instrument :

MSVOA_X

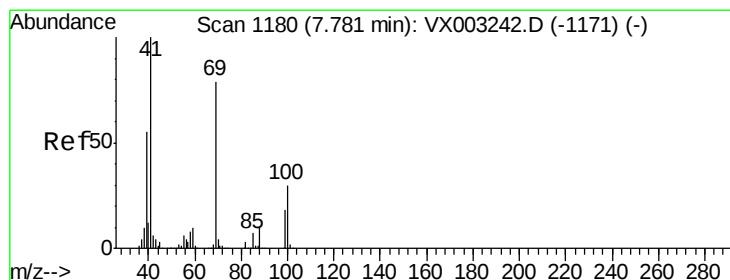
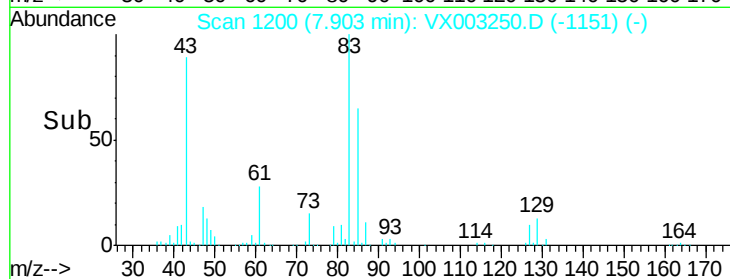
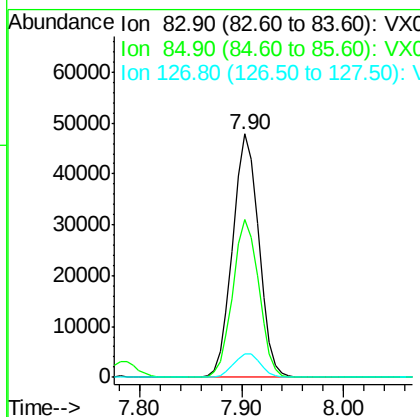
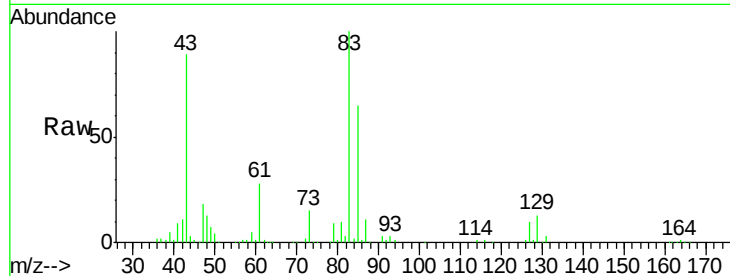
ClientSampleId :

VX0709MBSD01

Tot Ion:	83	Resp:	84745
Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.3	75.5
127	9.7	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.17 ug/l

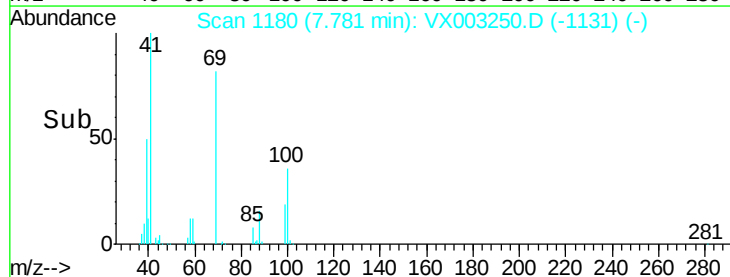
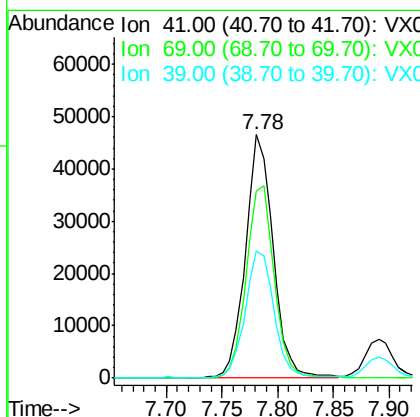
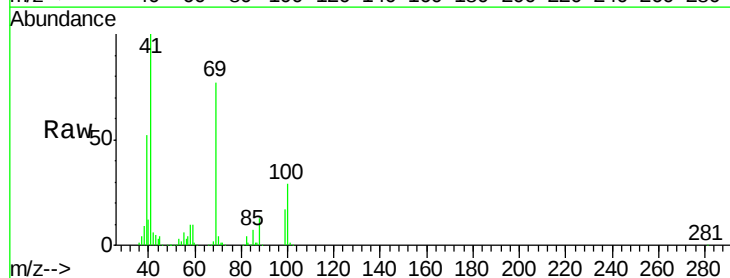
RT: 7.78 min Scan# 1180

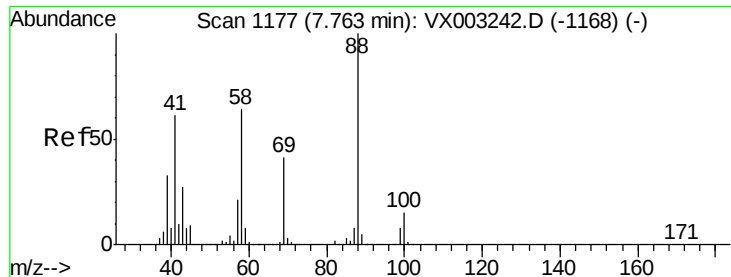
Delta R.T. 0.00 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

Tgt Ion:	41	Resp:	80149
Ion	Ratio	Lower	Upper
41	100		
69	81.1	59.1	88.7
39	54.3	48.9	73.3





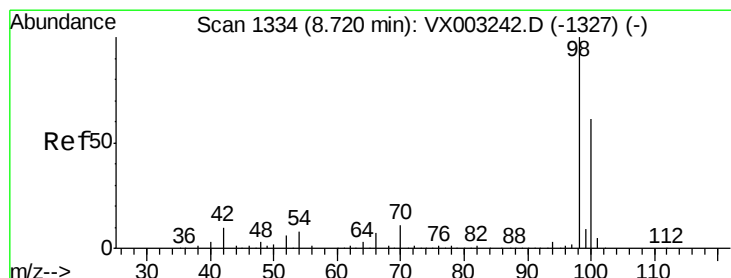
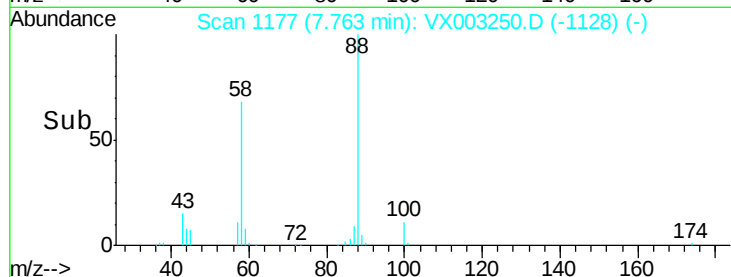
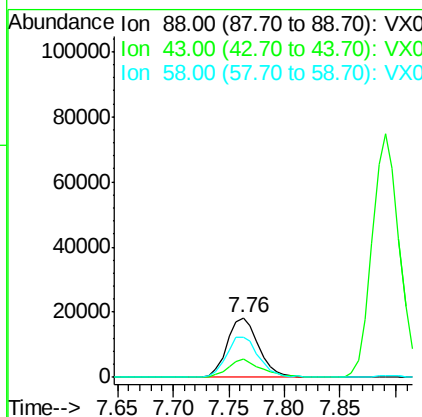
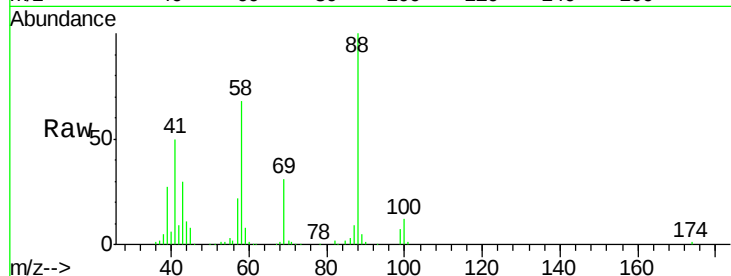
#49
1,4-Dioxane
Concen: 408.13 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Instrument :
MSVOA_X
ClientSampleId :
VX0709MBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	29.8	44.6
58	71.1	57.1	85.7

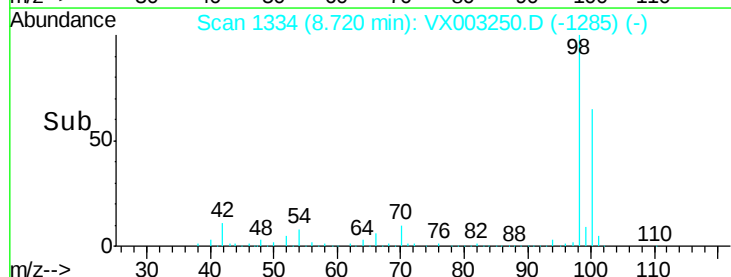
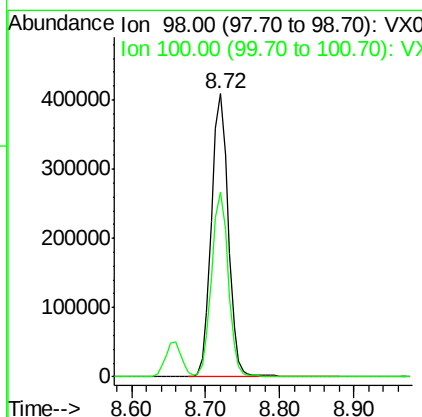
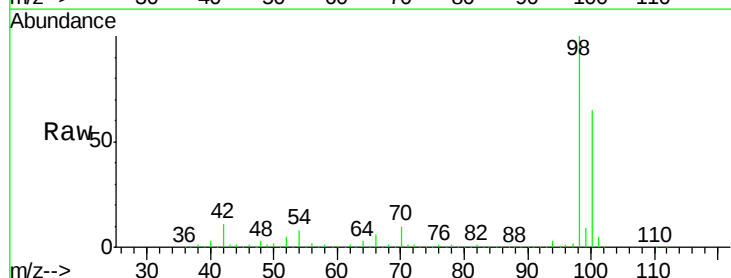
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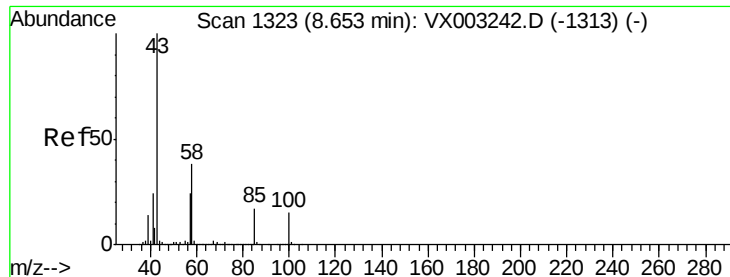
MMDadoda
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#50
Toluene-d8
Concen: 49.89 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 99.29 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

Instrument :

MSVOA_X

ClientSampleId :

VX0709MBSD01

Tot Ion: 43 Resp: 503998

Ion Ratio Lower Upper

43 100

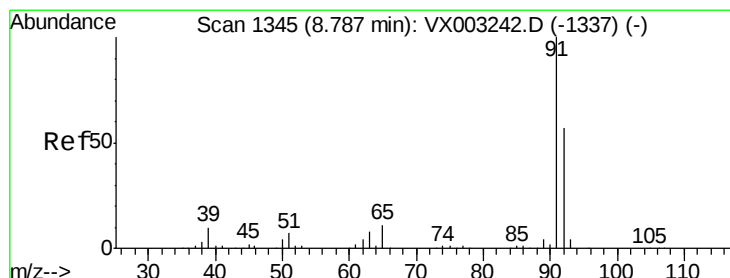
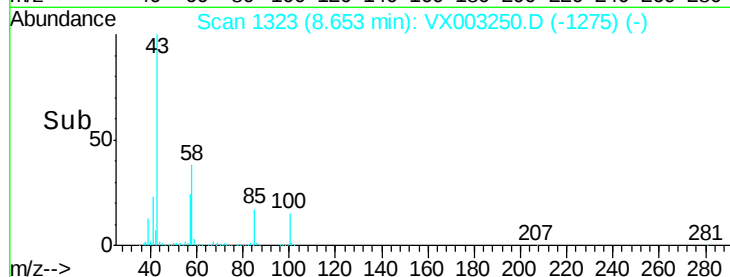
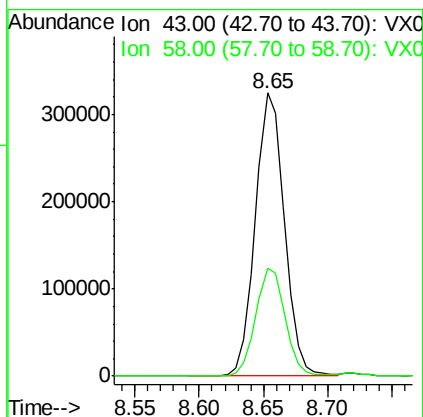
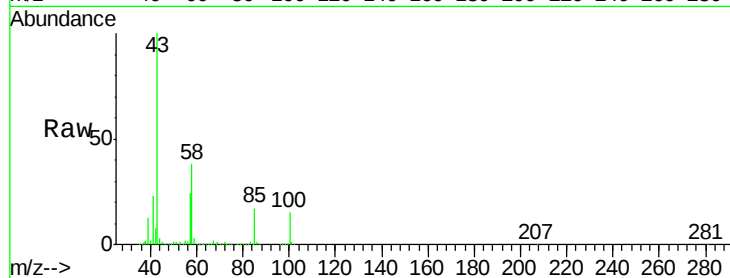
58 38.3 28.6 42.8

Manual Integrations

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#52

Toluene

Concen: 19.51 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003250.D

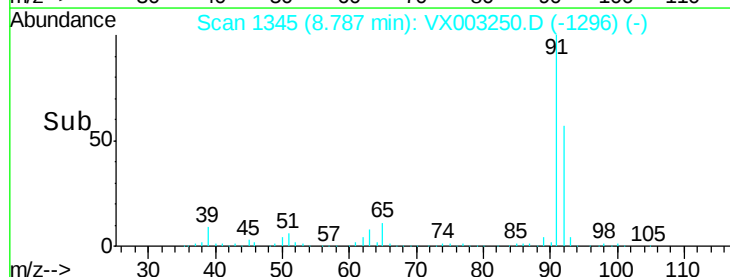
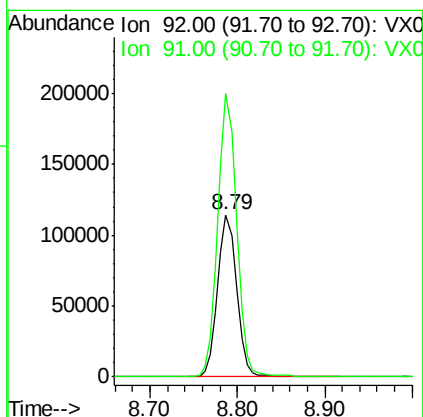
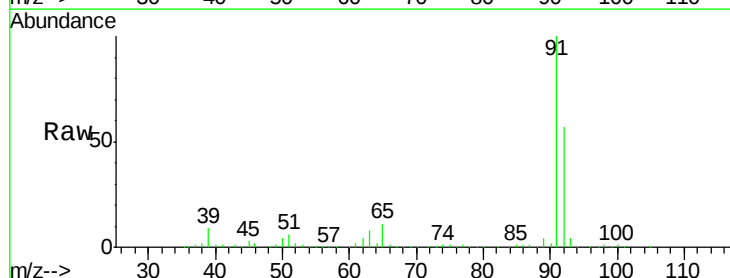
Acq: 09 Jul 2018 17:24

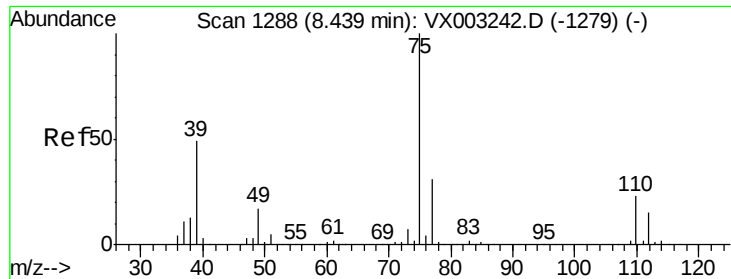
Tgt Ion: 92 Resp: 173088

Ion Ratio Lower Upper

92 100

91 173.6 140.4 210.6





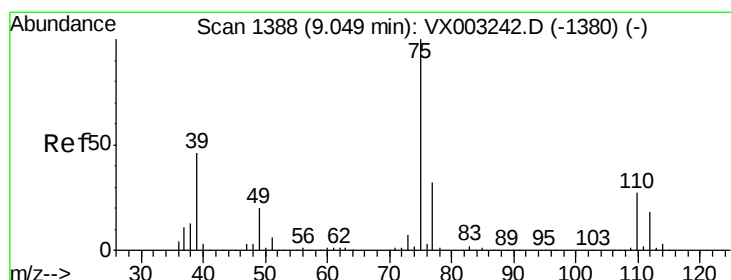
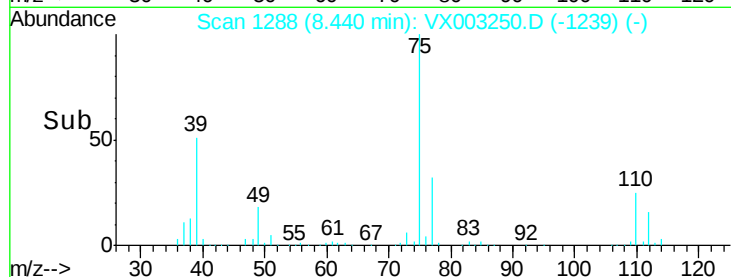
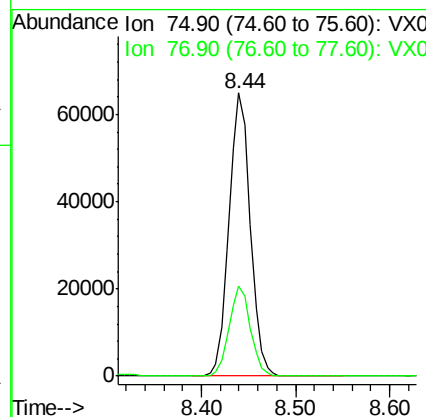
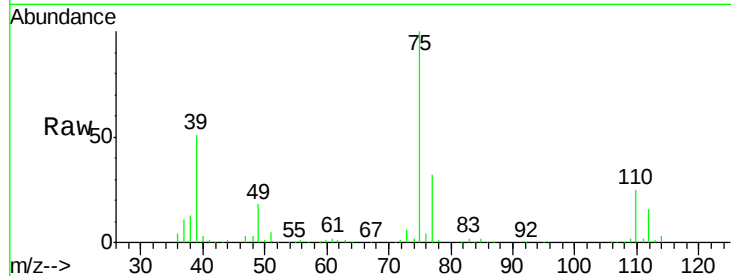
#53
t-1,3-Dichloropropene
Concen: 18.88 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Instrument :
MSVOA_X
ClientSampleId :
VX0709MBSD01

Tot Ion: 75 Resp: 101960
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2

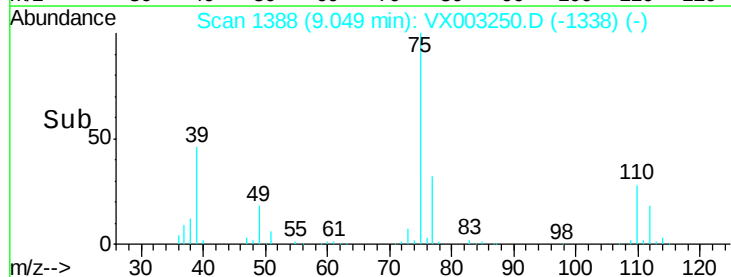
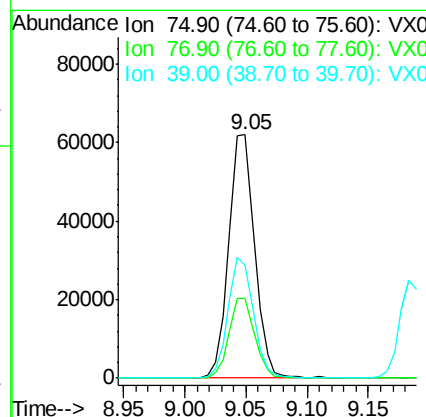
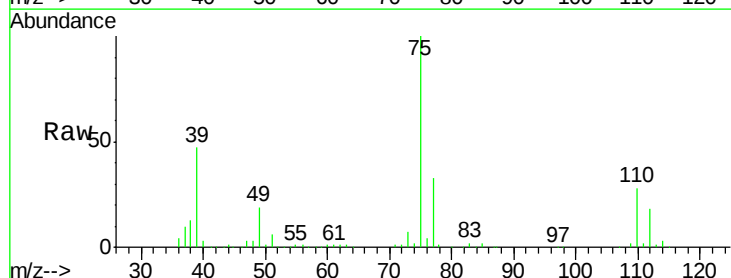
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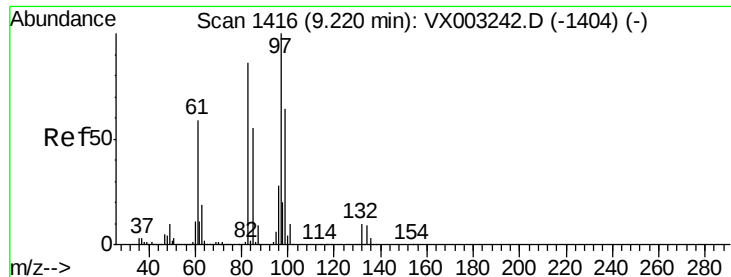
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.52 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Tgt Ion: 75 Resp: 91016
Ion Ratio Lower Upper
75 100
77 32.5 24.8 37.2
39 46.3 42.4 63.6





#55

1,1,2-Trichloroethane

Concen: 18.93 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

Instrument :

MSVOA_X

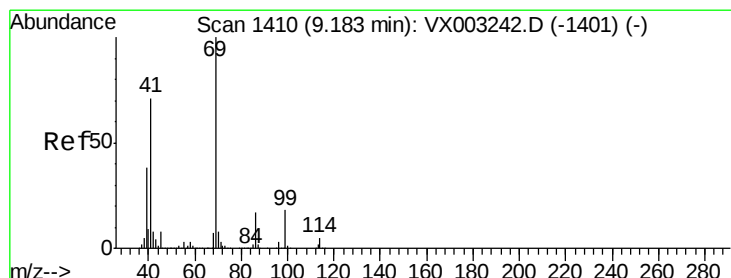
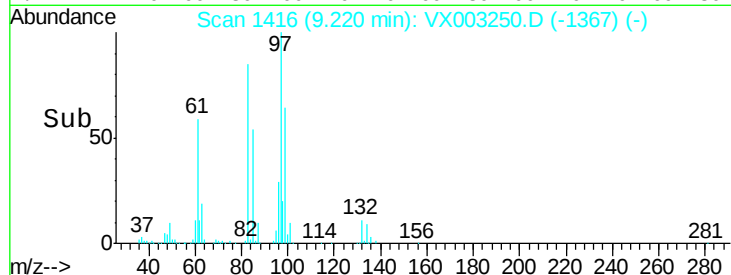
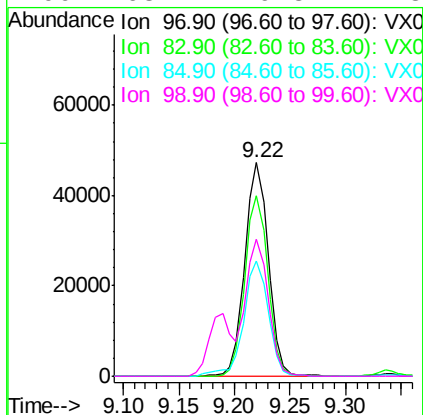
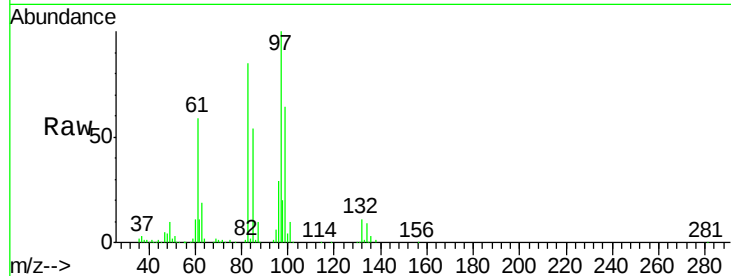
ClientSampleId :

VX0709MBSD01

Tot Ion:	97	Resp:	69677
Ion	Ratio	Lower	Upper
97	100		
83	84.7	70.2	105.2
85	53.8	44.9	67.3
99	63.7	49.8	74.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.19 ug/l

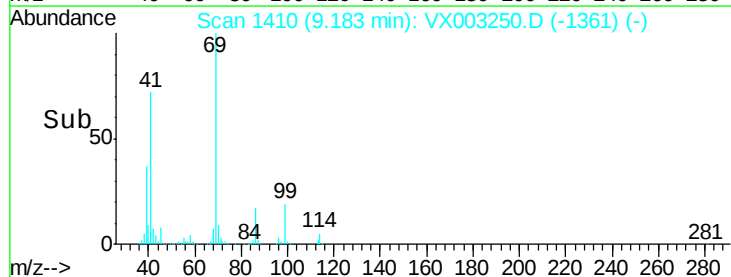
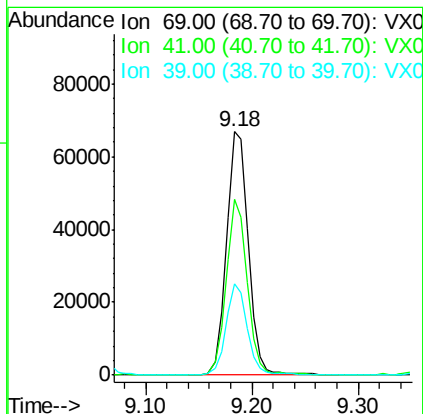
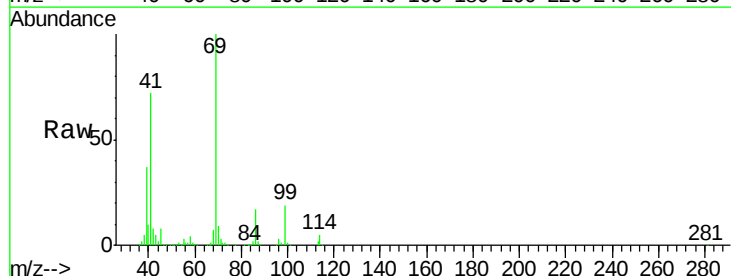
RT: 9.18 min Scan# 1410

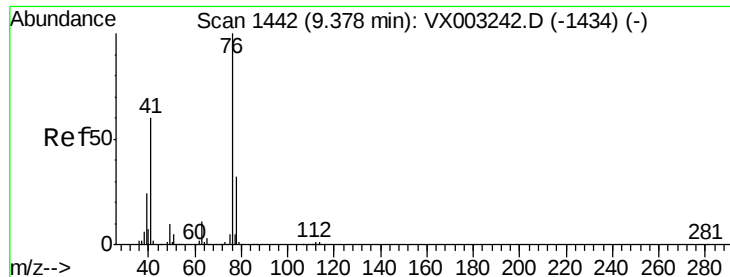
Delta R.T. 0.00 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

Tgt Ion:	69	Resp:	96730
Ion	Ratio	Lower	Upper
69	100		
41	69.1	60.3	90.5
39	35.4	35.8	53.8#





#57

1,3-Dichloropropane

Concen: 19.21 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

Instrument :

MSVOA_X

ClientSampleId :

VX0709MBSD01

Tot Ion: 76 Resp: 113911

Ion Ratio Lower Upper

76 100

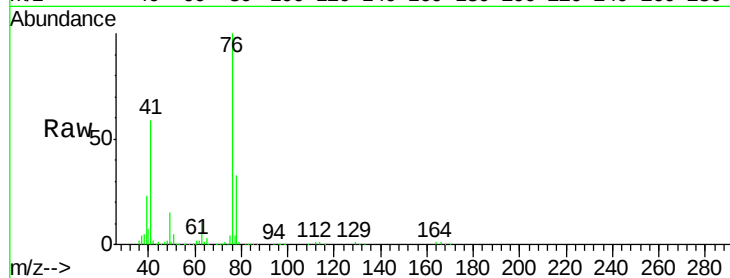
78 32.4 25.8 38.6

Manual Integrations

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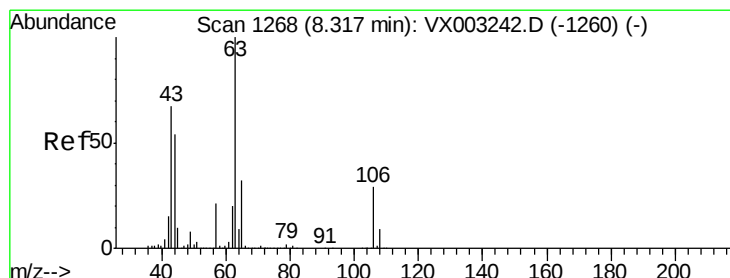
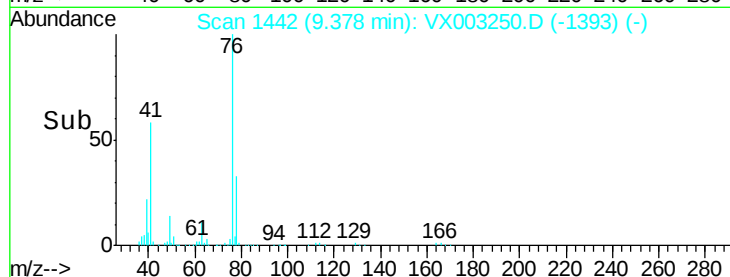
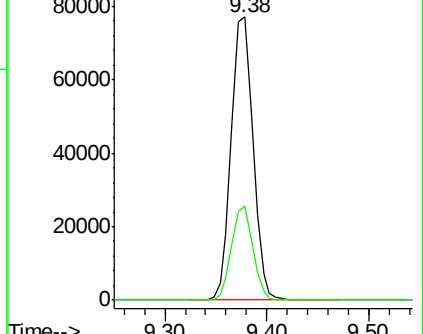
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 103.33 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003250.D

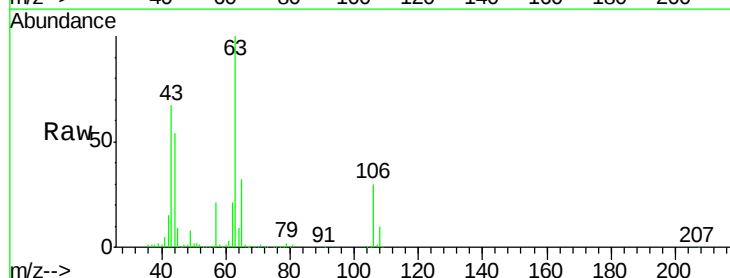
Acq: 09 Jul 2018 17:24

Tgt Ion: 63 Resp: 251293

Ion Ratio Lower Upper

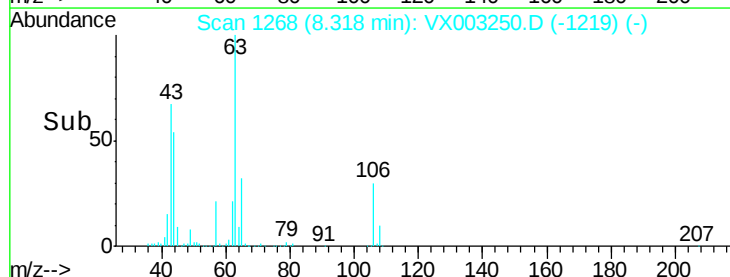
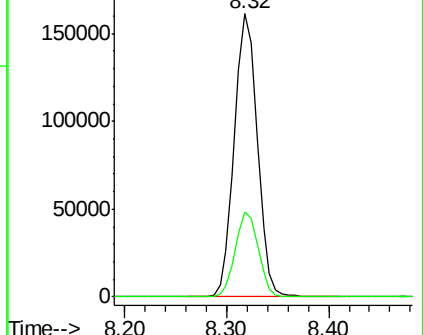
63 100

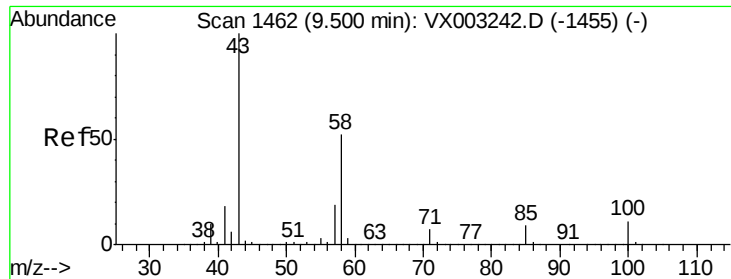
106 30.0 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





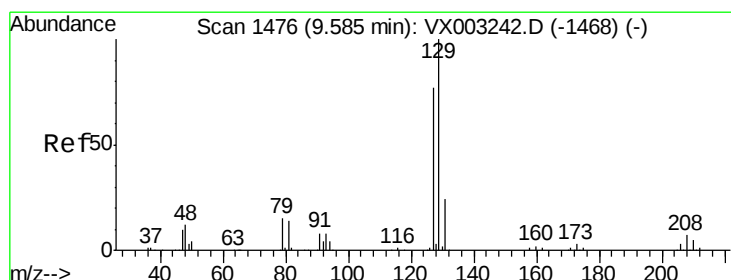
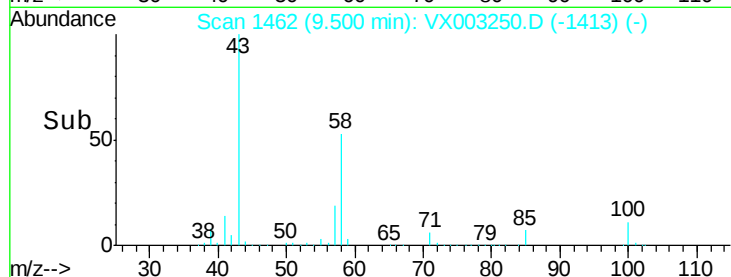
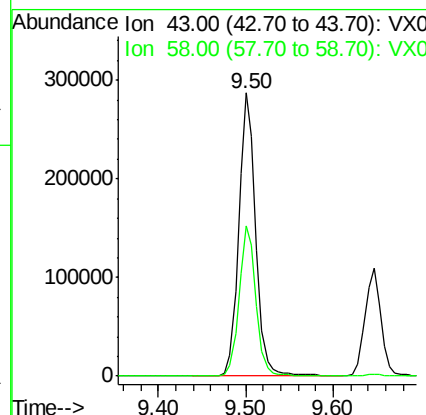
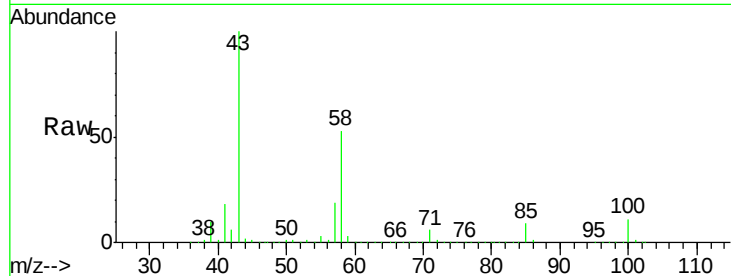
#59
2-Hexanone
Concen: 100.53 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Instrument :
MSVOA_X
ClientSampleId :
VX0709MBS01

Tot Ion	43	Resp	387613
Ion Ratio	100	Lower	Upper
43	100		
58	53.0	24.6	73.6

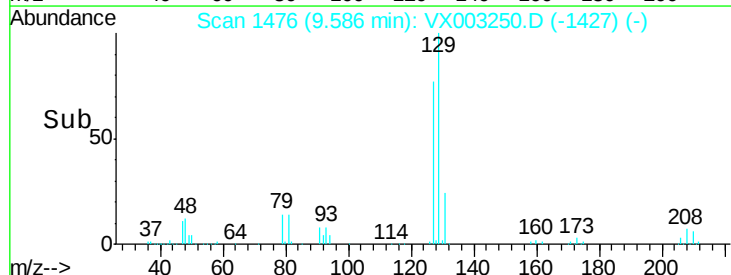
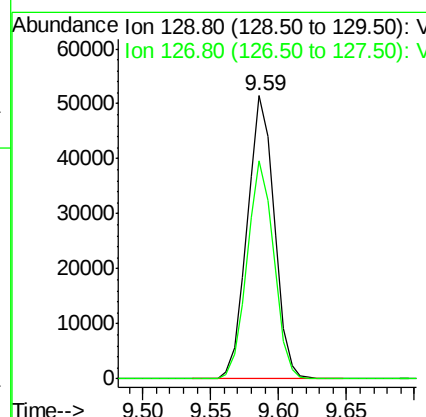
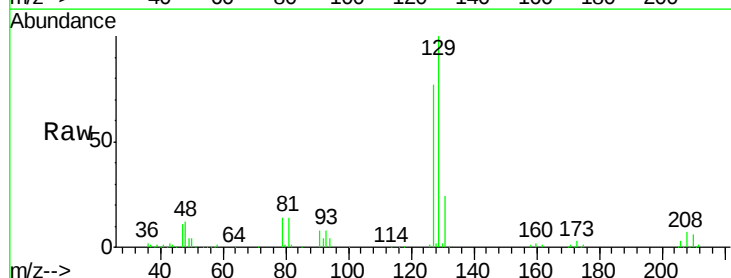
Manual Integrations
APPROVED

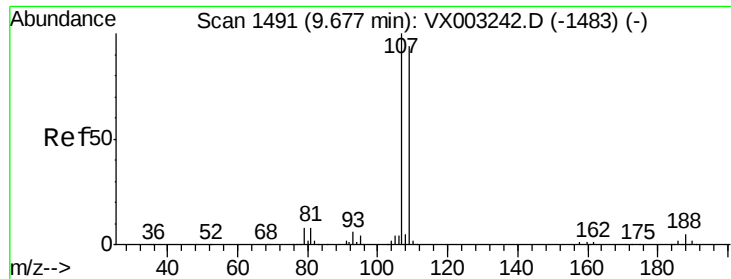
MMDadoda
7/10/2018 3:11:49 PM



#60
Dibromochloromethane
Concen: 18.69 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Tgt Ion	129	Resp	71837
Ion Ratio	100	Lower	Upper
129	100		
127	76.2	38.5	115.3





#61

1,2-Dibromoethane

Concen: 19.37 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

Instrument :

MSVOA_X

ClientSampleId :

VX0709MBS01

Tot Ion:107 Resp: 74704

Ion Ratio Lower Upper

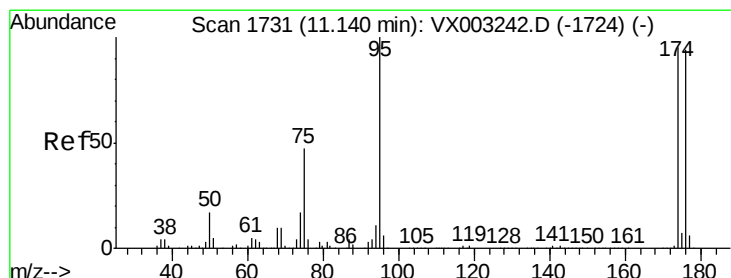
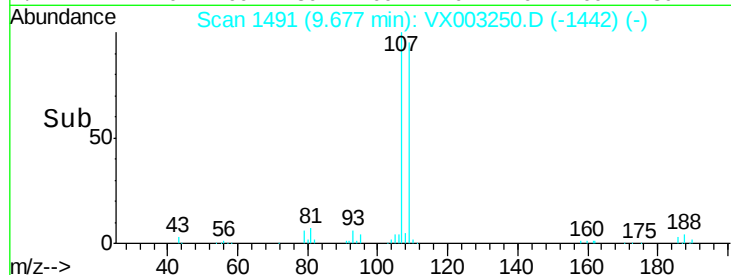
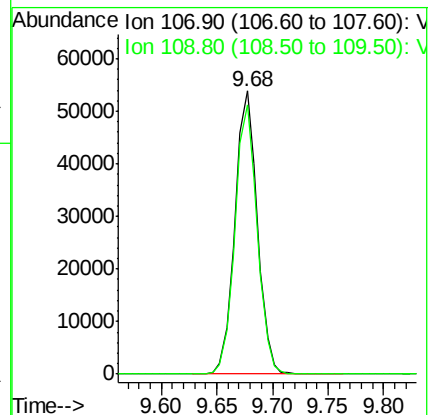
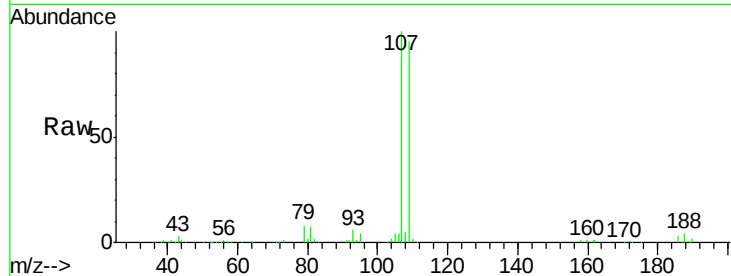
107 100

109 94.6 75.3 112.9

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 49.21 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

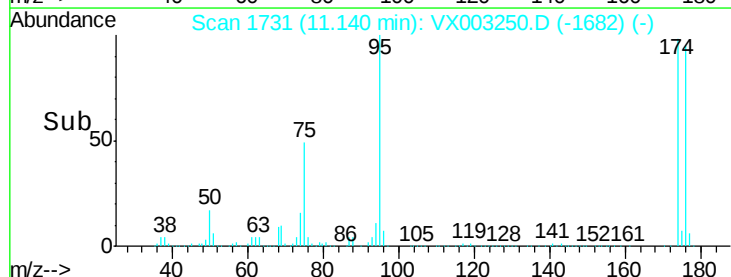
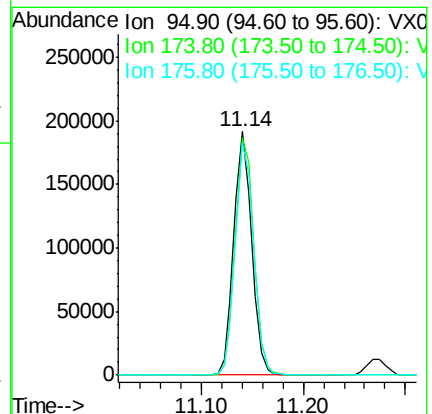
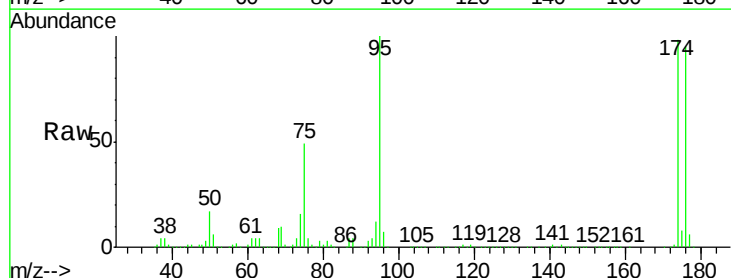
Tgt Ion: 95 Resp: 232140

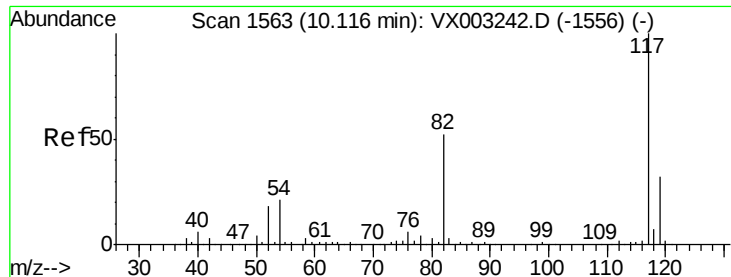
Ion Ratio Lower Upper

95 100

174 101.7 0.0 187.4

176 98.1 0.0 181.0





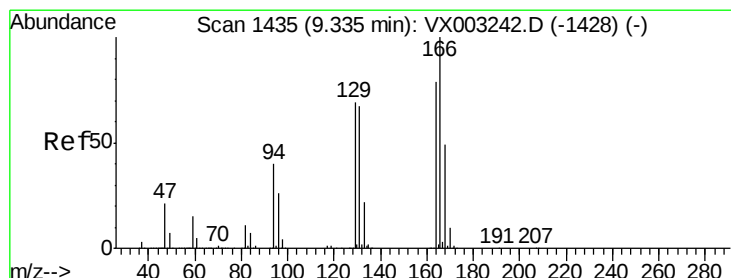
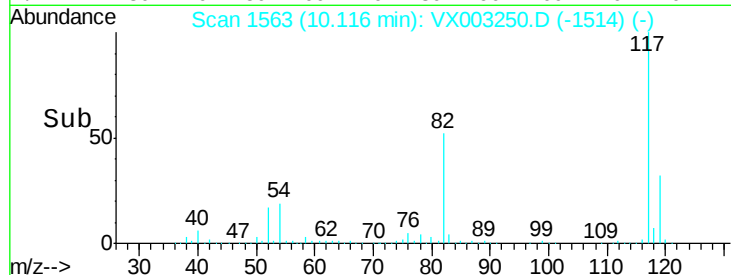
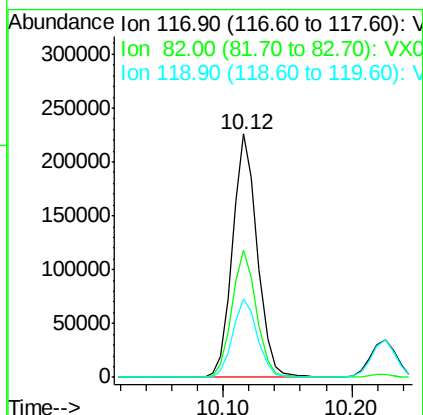
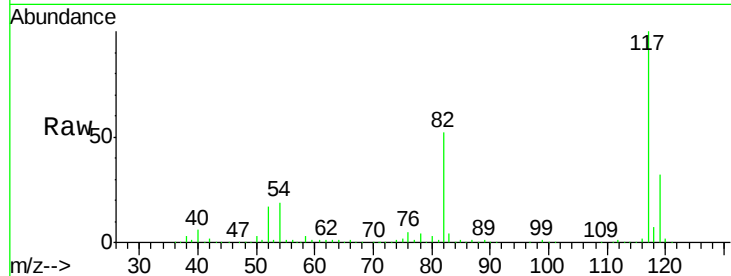
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Instrument :
MSVOA_X
ClientSampleId :
VX0709MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	45.0	67.4
119	32.5	25.8	38.6

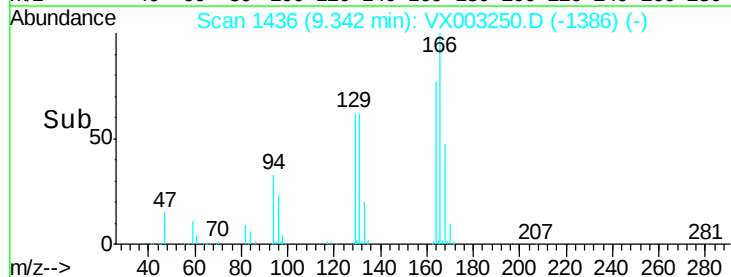
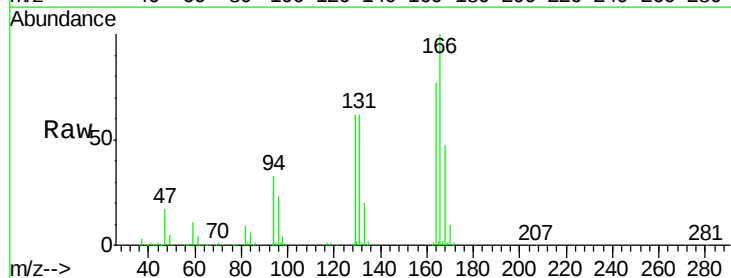
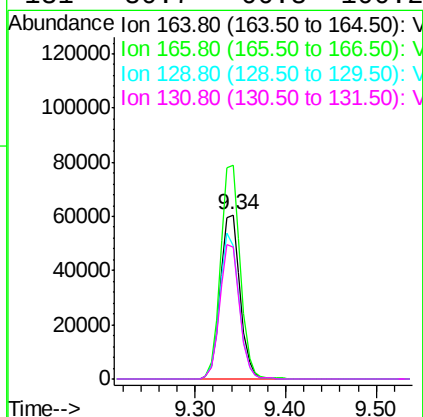
Manual Integrations
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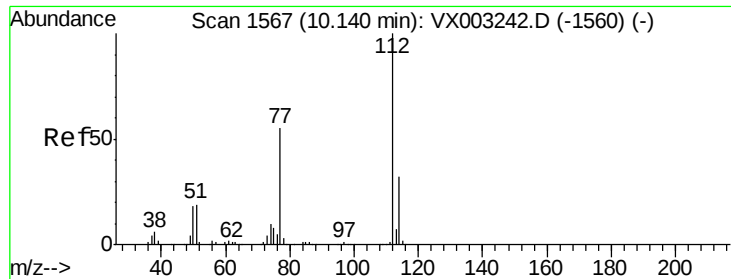
MMDadoda
7/10/2018 3:11:49 PM



#64
Tetrachloroethene
Concen: 19.99 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.3	102.9	154.3
129	81.4	68.6	102.8
131	80.7	66.8	100.2





#65

Chlorobenzene

Concen: 19.31 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

Instrument :

MSVOA_X

ClientSampleId :

VX0709MBSD01

Tot Ion:112 Resp: 199168

Ion Ratio Lower Upper

112 100

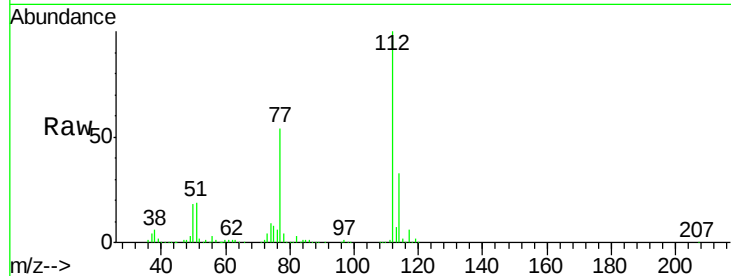
114 33.1 25.3 37.9

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

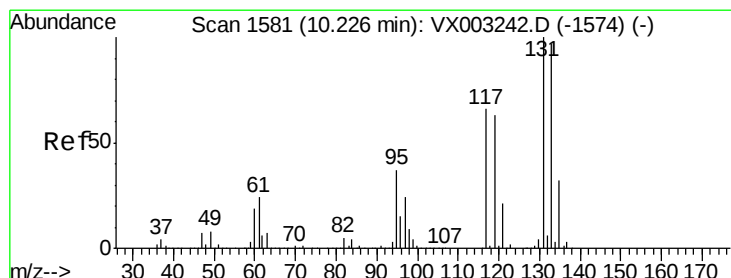
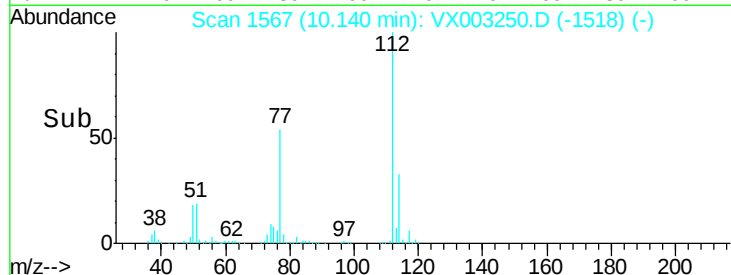
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.29 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

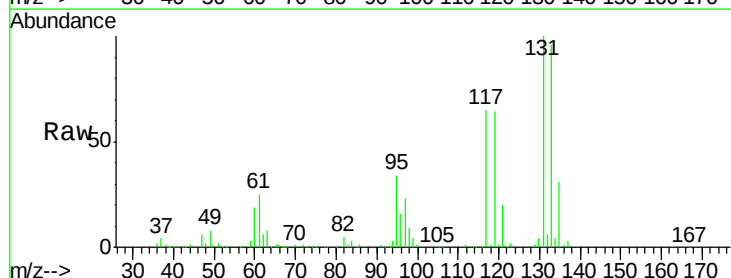
Tgt Ion:131 Resp: 71774

Ion Ratio Lower Upper

131 100

133 95.9 47.9 143.6

119 63.1 31.8 95.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.23

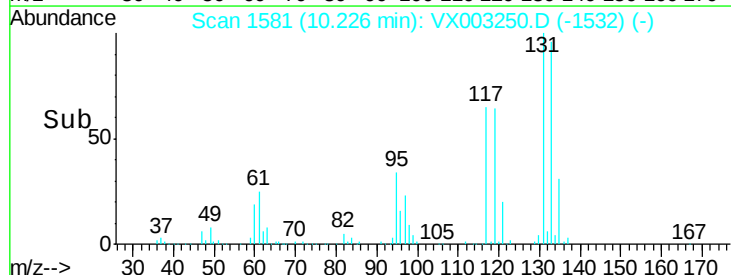
60000

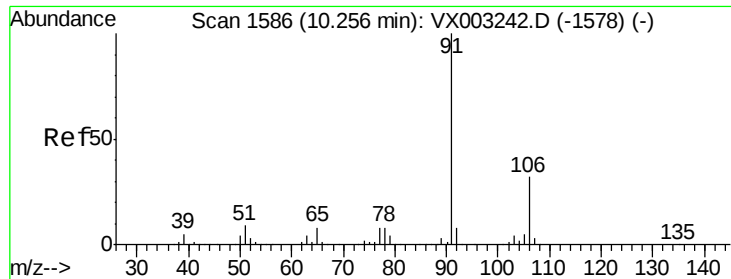
40000

20000

0

Time-->





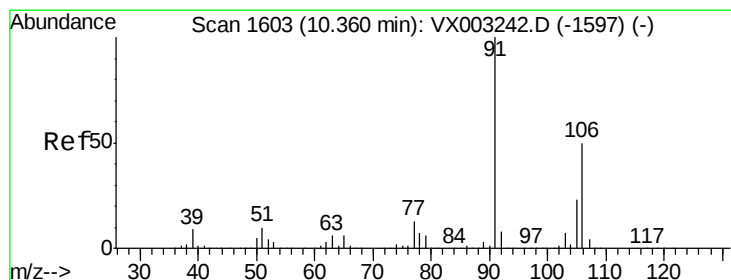
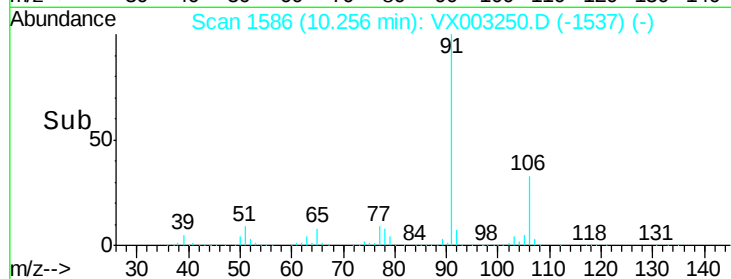
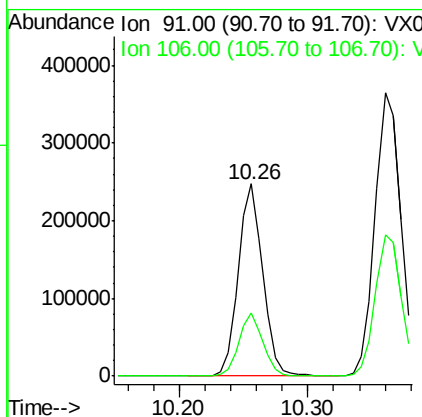
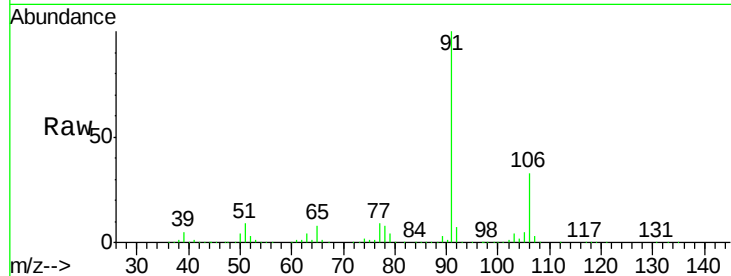
#67
Ethyl Benzene
Concen: 19.48 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Instrument :
MSVOA_X
ClientSampleId :
VX0709MBSD01

Tot Ion: 91 Resp: 324899
Ion Ratio Lower Upper
91 100
106 32.7 25.5 38.3

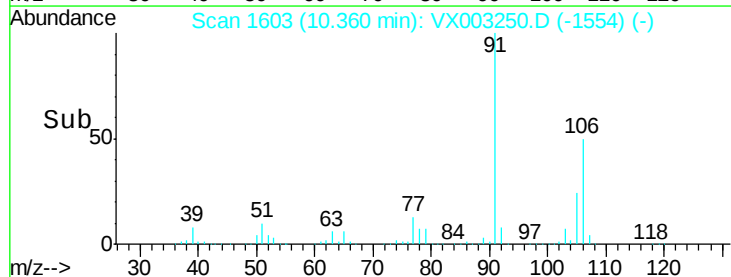
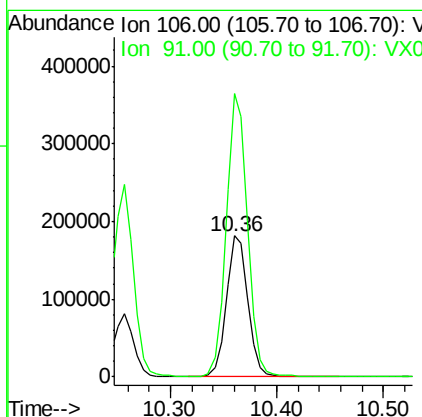
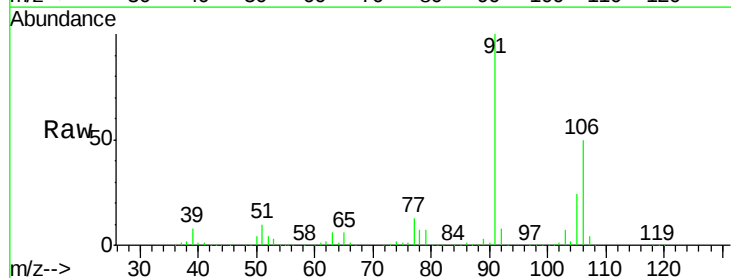
Manual Integrations
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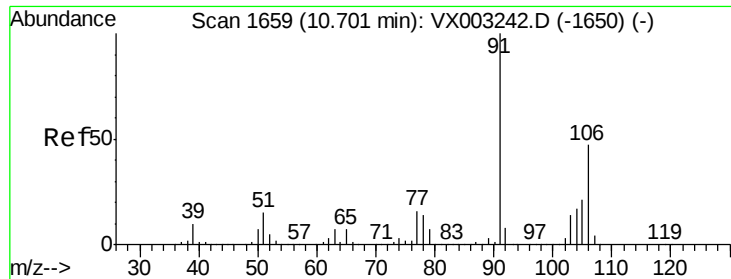
MMDadoda
7/10/2018 3:11:49 PM



#68
m/p-Xylenes
Concen: 39.37 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Tgt Ion: 106 Resp: 255434
Ion Ratio Lower Upper
106 100
91 199.6 163.4 245.2





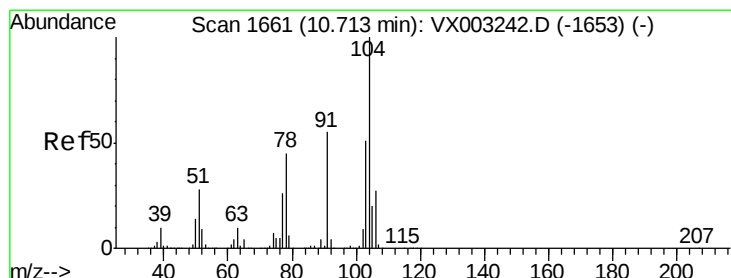
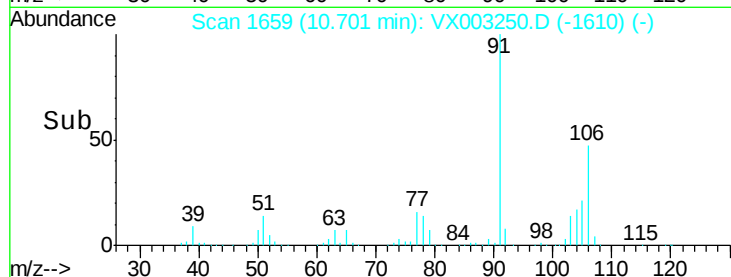
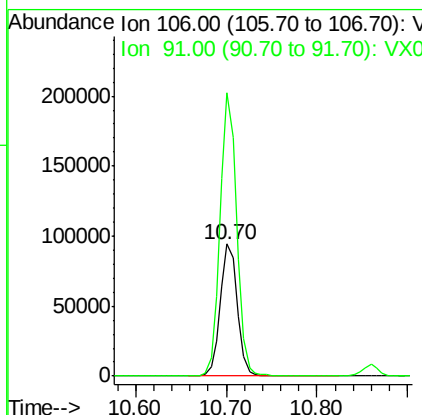
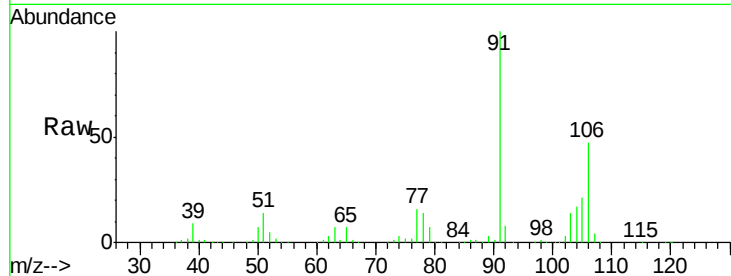
#69
o-Xylene
Concen: 19.71 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Instrument :
MSVOA_X
ClientSampleId :
VX0709MBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	209.8	108.2	324.6	

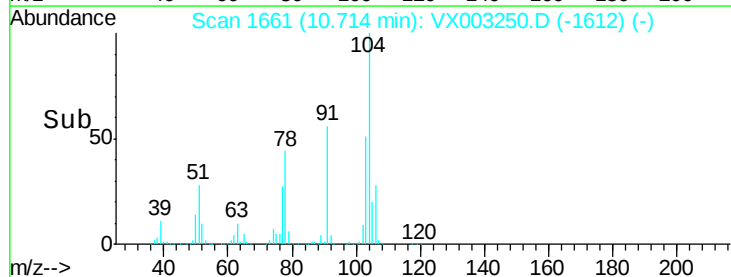
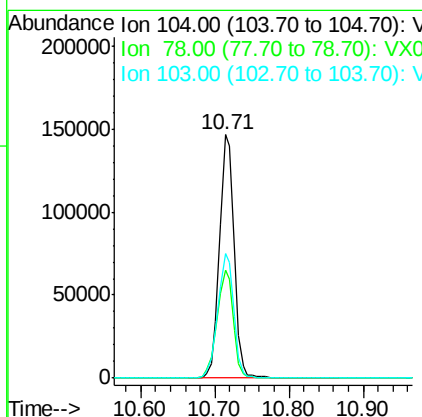
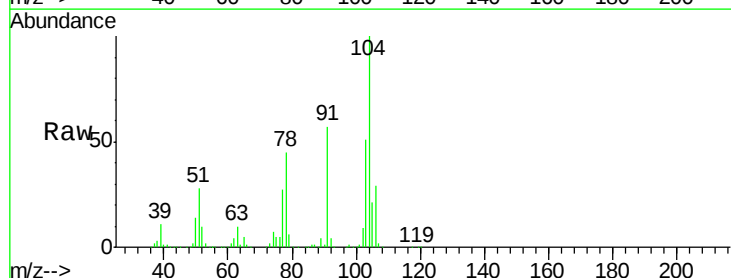
Manual Integrations
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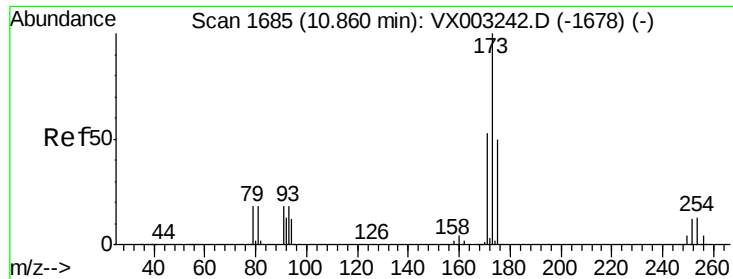
MMDadoda
7/10/2018 3:11:49 PM



#70
Styrene
Concen: 19.55 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.2	41.0	61.6	
103	55.7	44.2	66.4	





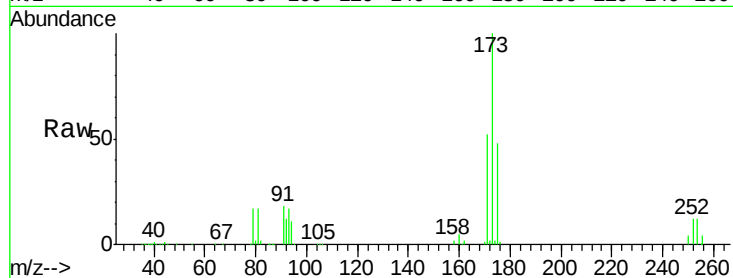
#71
Bromoform
Concen: 18.61 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Instrument :
MSVOA_X
ClientSampleId :
VX0709MBSD01

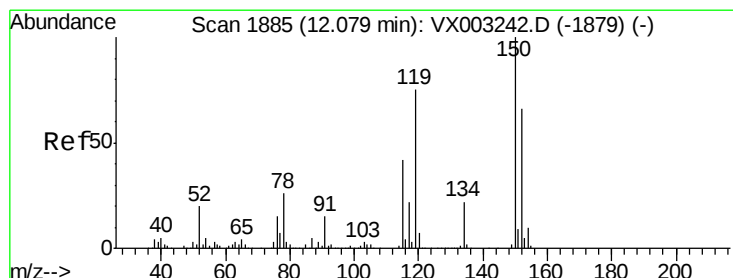
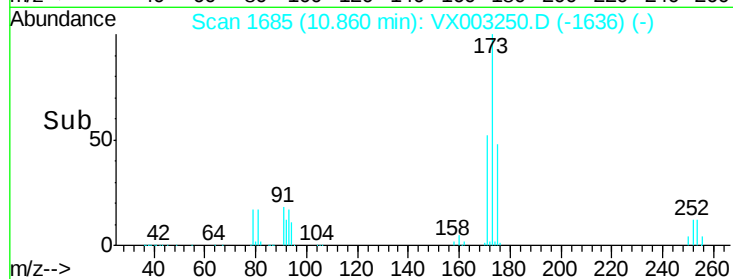
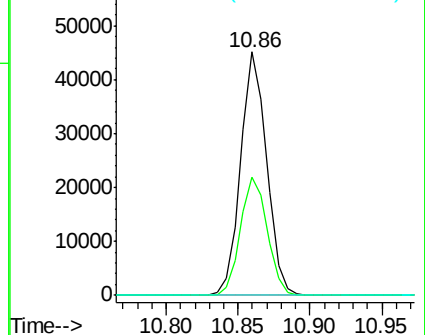
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.7	74.1
254	0.2	0.2	0.2

Manual Integrations
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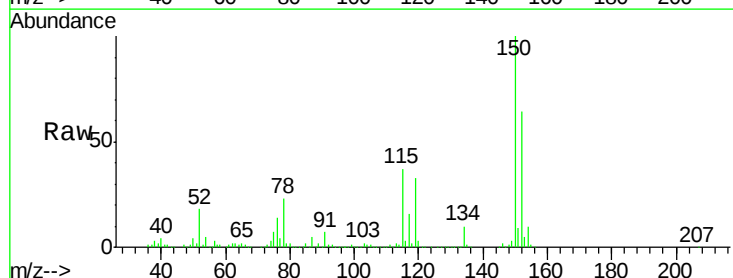


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

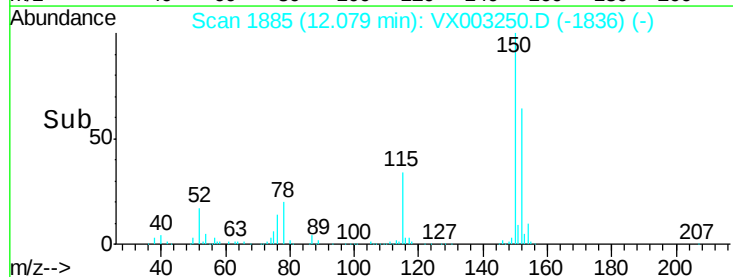
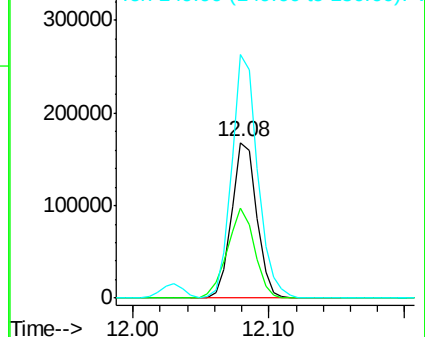


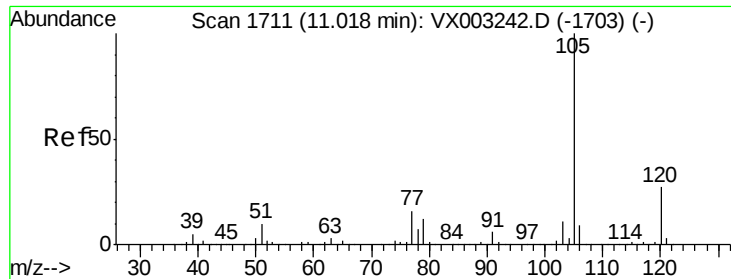
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.8	40.1	120.2
150	162.9	0.0	347.2



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





#73

Isopropylbenzene

Concen: 19.73 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

Instrument :

MSVOA_X

ClientSampleId :

VX0709MBSD01

Tot Ion:105 Resp: 333786

Ion Ratio Lower Upper

105 100

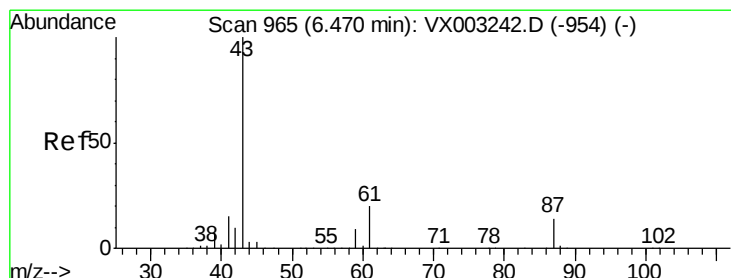
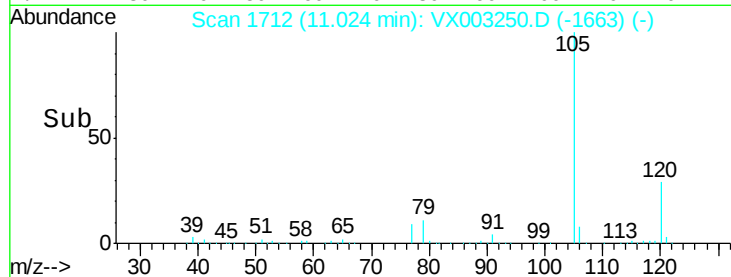
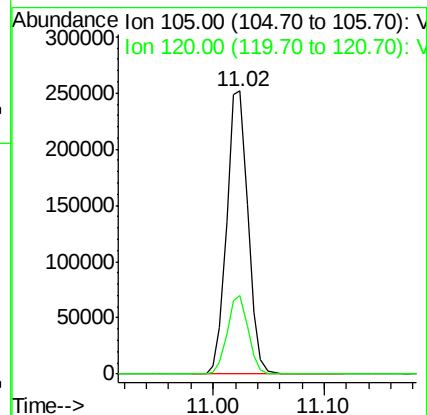
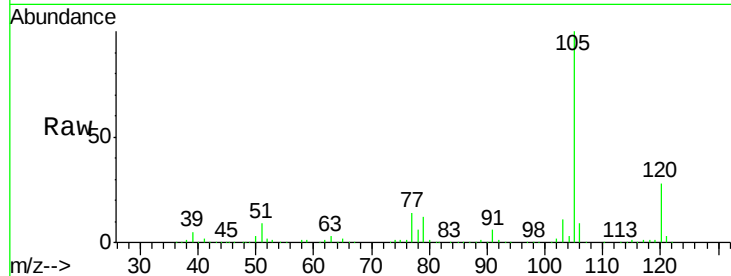
120 27.2 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.40 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

Tgt Ion: 43 Resp: 156517

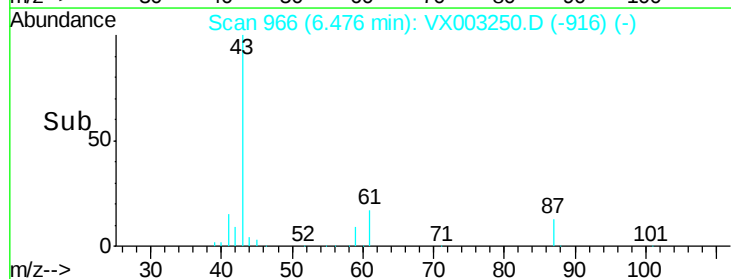
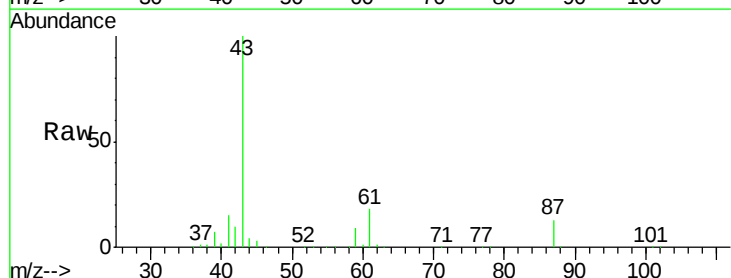
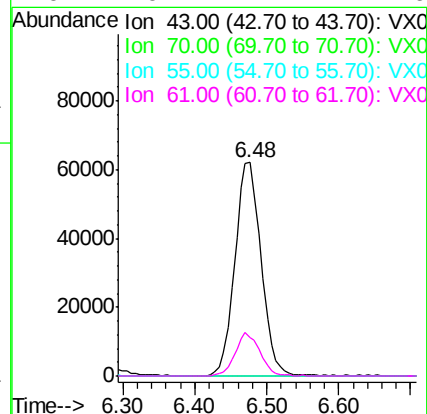
Ion Ratio Lower Upper

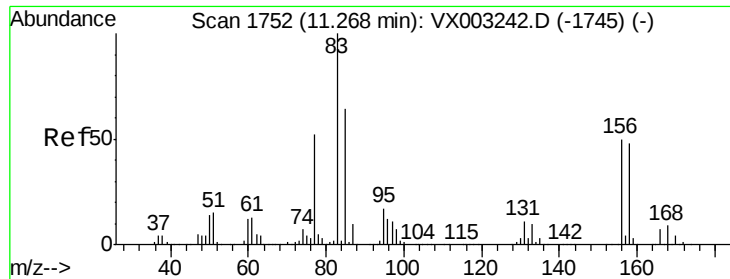
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 19.2 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.51 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

Instrument :

MSVOA_X

ClientSampleId :

VX0709MBS01

Tot Ion: 83 Resp: 102373

Ion Ratio Lower Upper

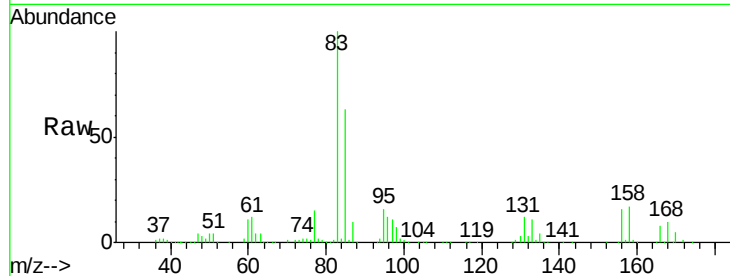
83 100

131 11.7 5.6 16.8

85 64.0 32.4 97.2

Manual Integrations
APPROVED

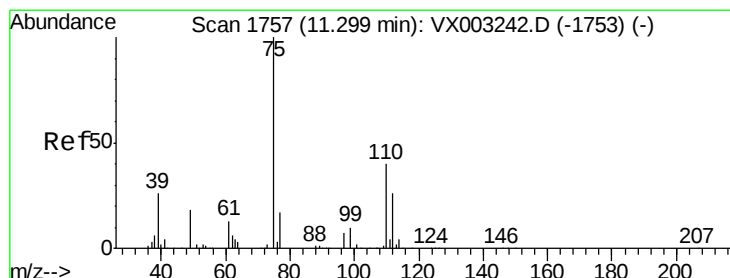
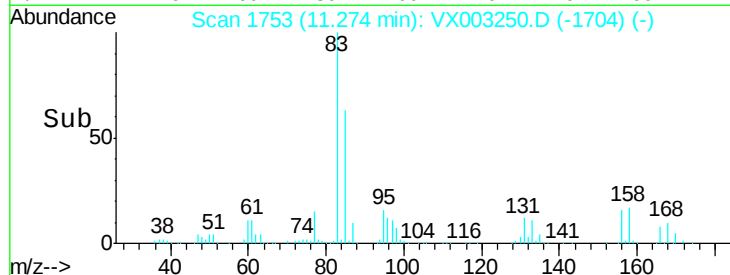
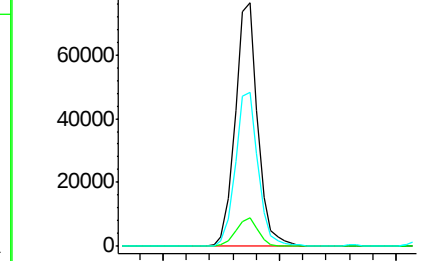
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.06 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003250.D

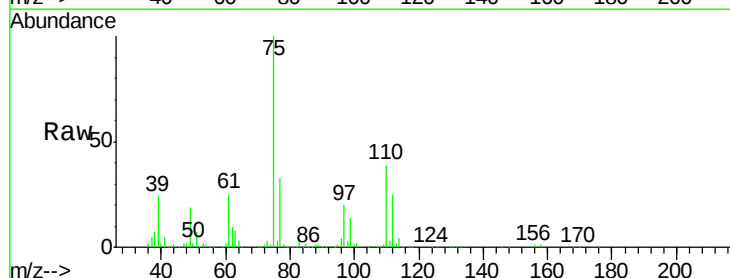
Acq: 09 Jul 2018 17:24

Tgt Ion: 75 Resp: 102140

Ion Ratio Lower Upper

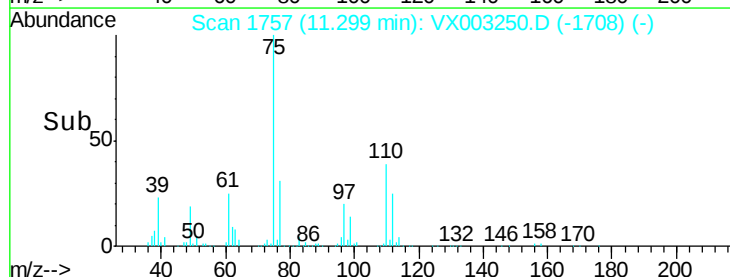
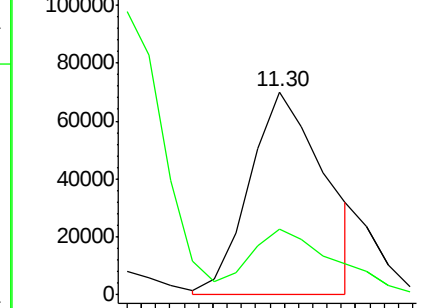
75 100

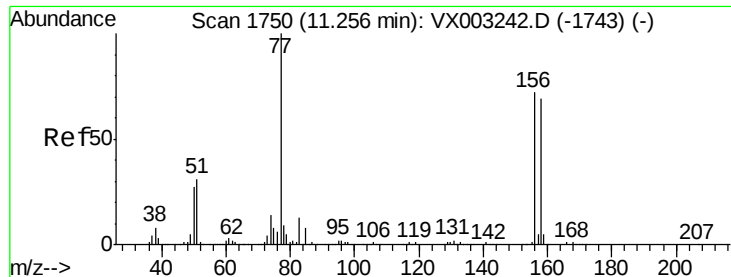
77 37.0 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.52 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

Instrument :

MSVOA_X

ClientSampleId :

VX0709MBSD01

Tot Ion:156 Resp: 95335

Ion Ratio Lower Upper

156 100

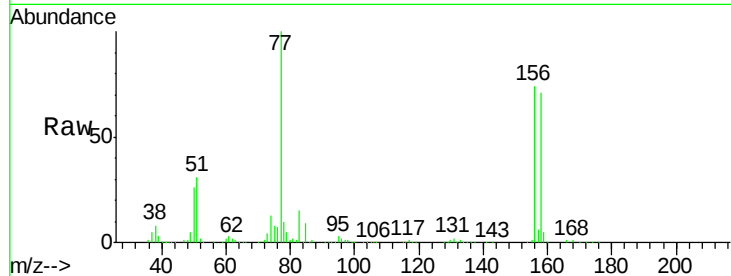
77 131.4 71.4 214.2

158 98.6 48.9 146.6

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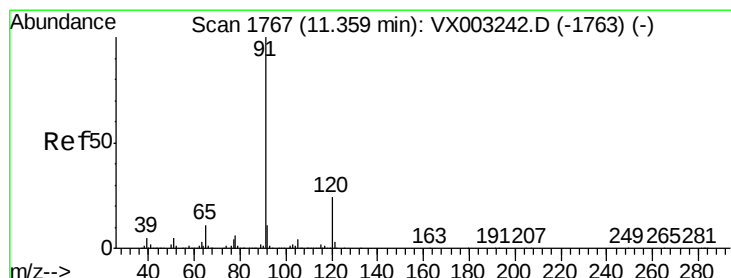
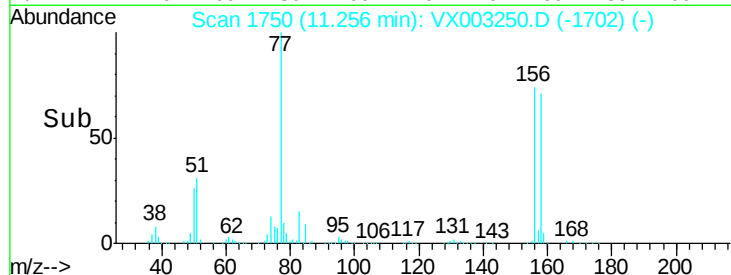
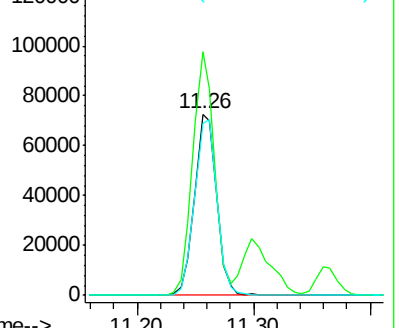
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.63 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003250.D

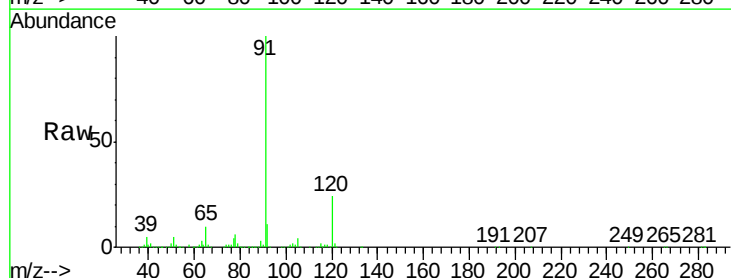
Acq: 09 Jul 2018 17:24

Tgt Ion: 91 Resp: 369185

Ion Ratio Lower Upper

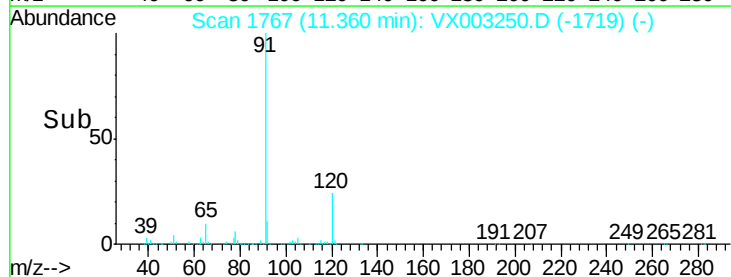
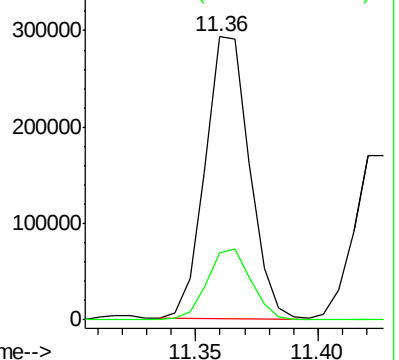
91 100

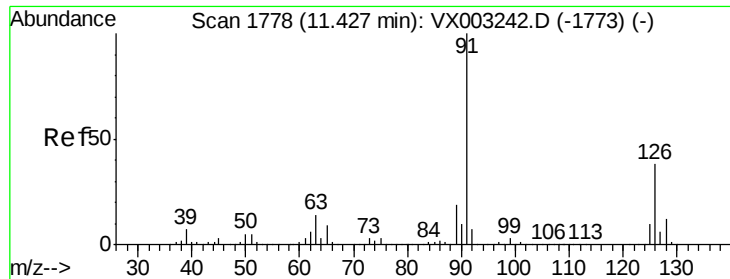
120 25.1 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





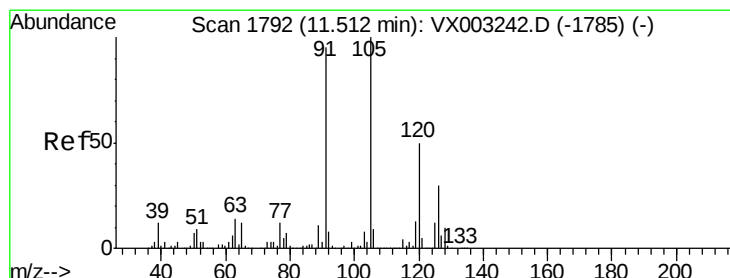
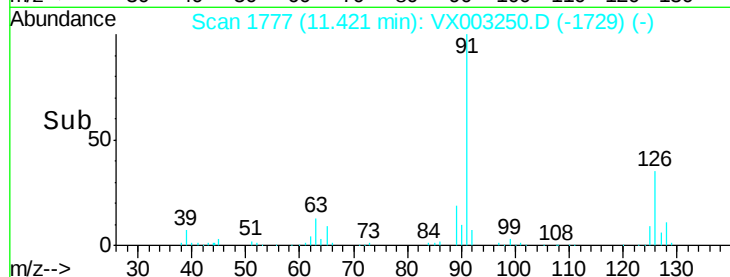
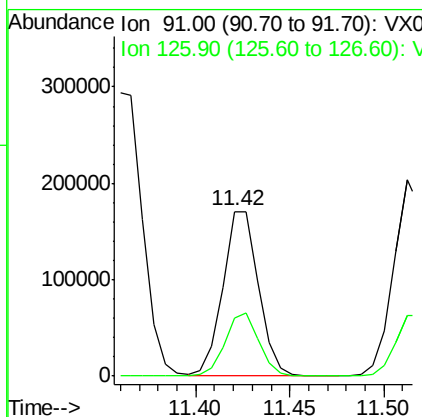
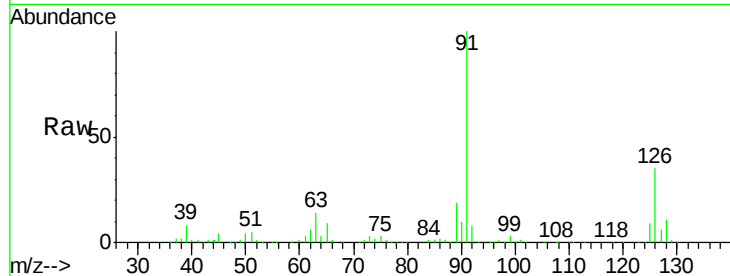
#79
 2-Chlorotoluene
 Concen: 19.39 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: VX003250.D
 Acq: 09 Jul 2018 17:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709MBS01

Tot Ion: 91 Resp: 222187
 Ion Ratio Lower Upper
 91 100
 126 36.9 17.7 53.1

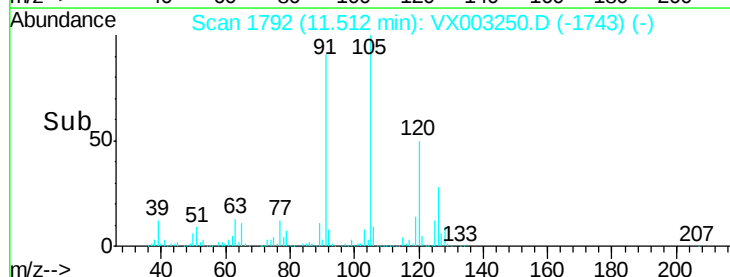
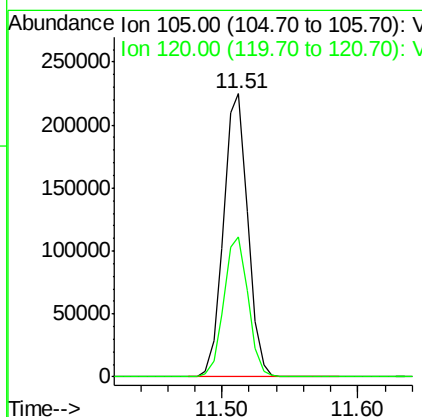
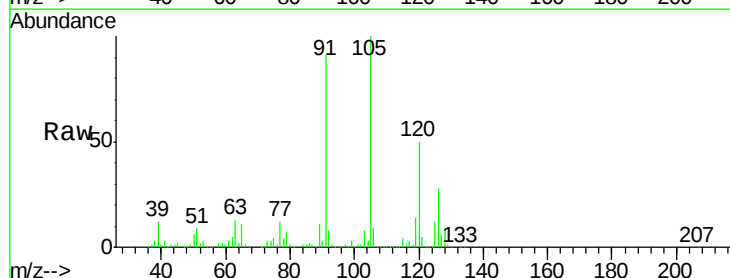
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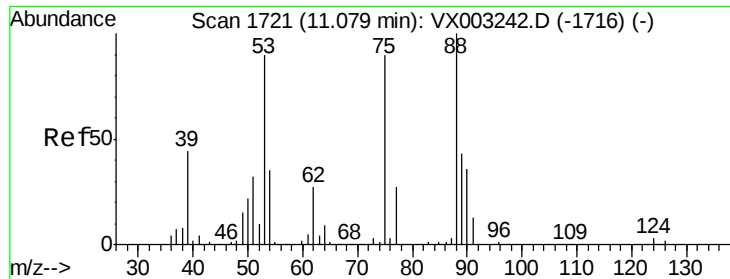
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.72 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX003250.D
 Acq: 09 Jul 2018 17:24

Tgt Ion: 105 Resp: 277776
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 17.73 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

Instrument :

MSVOA_X

ClientSampleId :

VX0709MBSD01

Tot Ion: 75 Resp: 25119

Ion Ratio Lower Upper

75 100

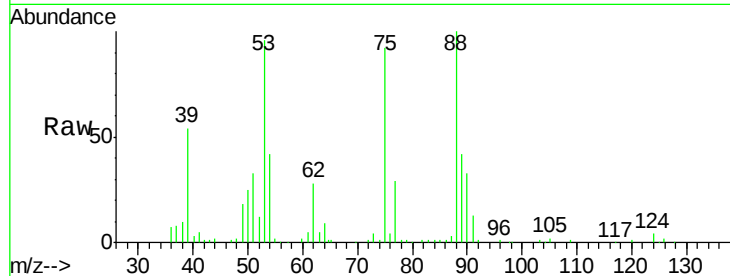
53 109.5 86.8 130.2

89 47.7 38.2 57.2

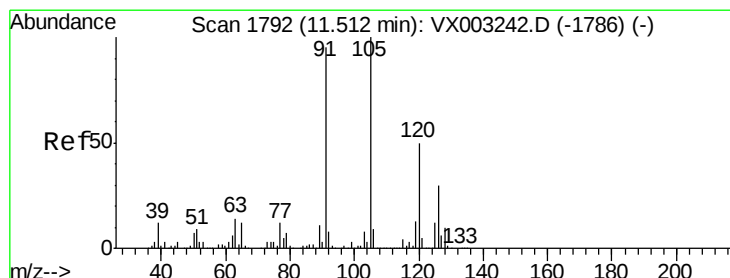
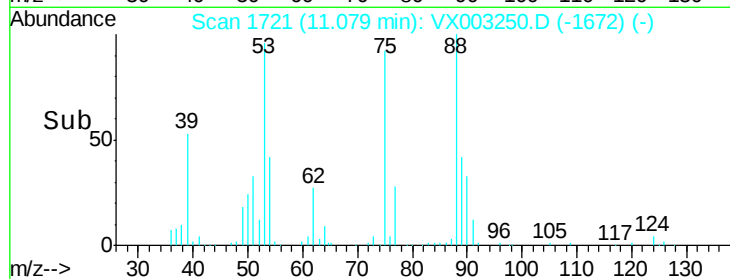
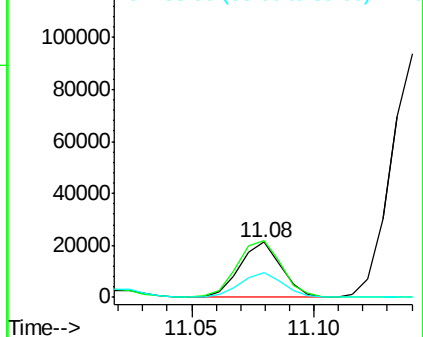
Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 19.32 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003250.D

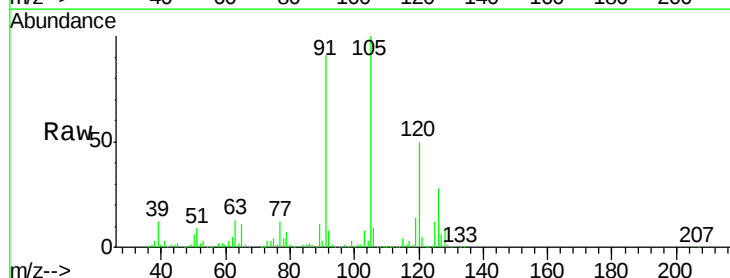
Acq: 09 Jul 2018 17:24

Tgt Ion: 91 Resp: 258470

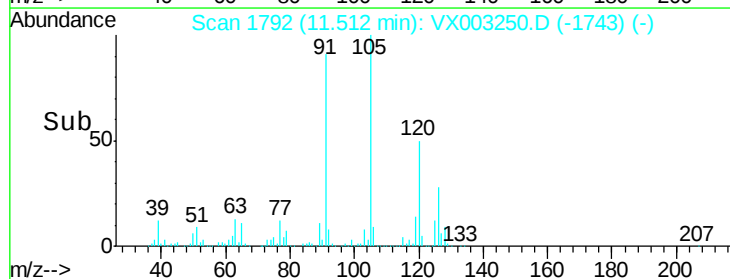
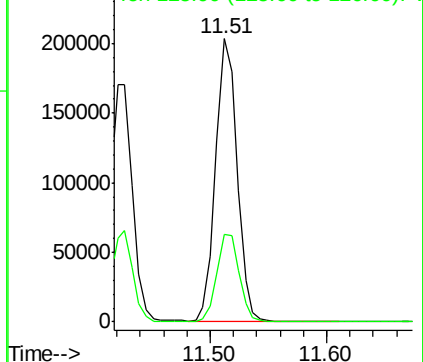
Ion Ratio Lower Upper

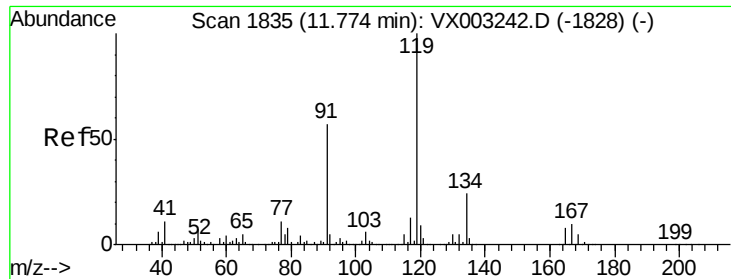
91 100

126 32.5 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





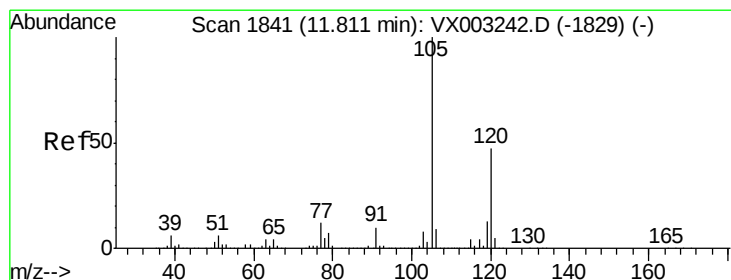
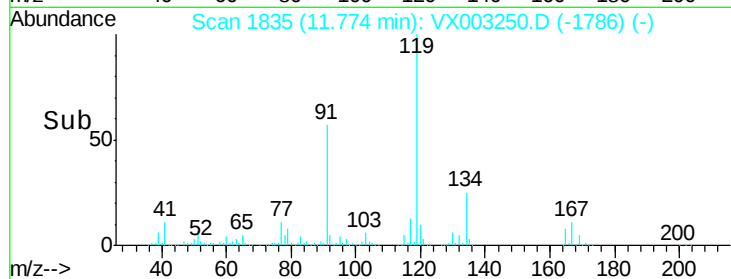
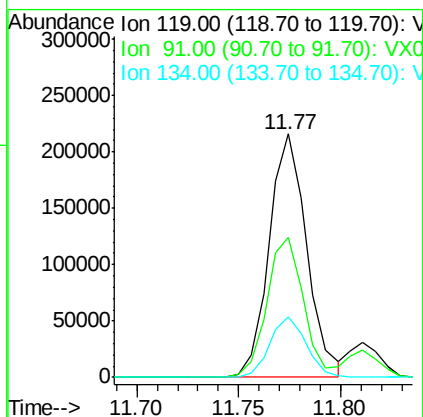
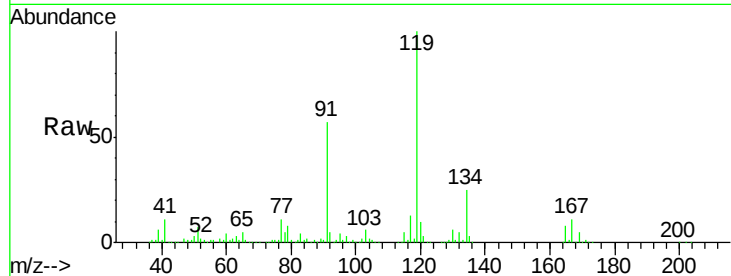
#83
 tert-Butylbenzene
 Concen: 19.71 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003250.D
 Acq: 09 Jul 2018 17:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	277292		
91	56.6		30.3	90.9
134	24.3		11.7	35.1

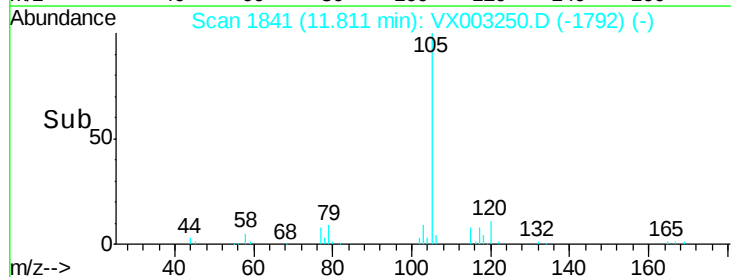
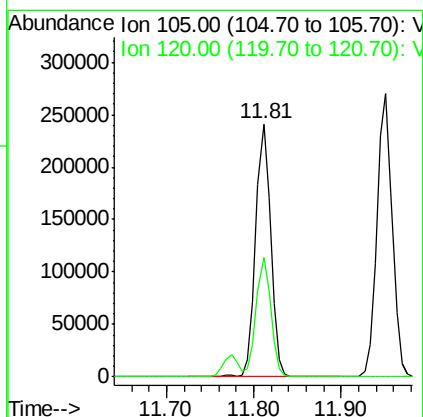
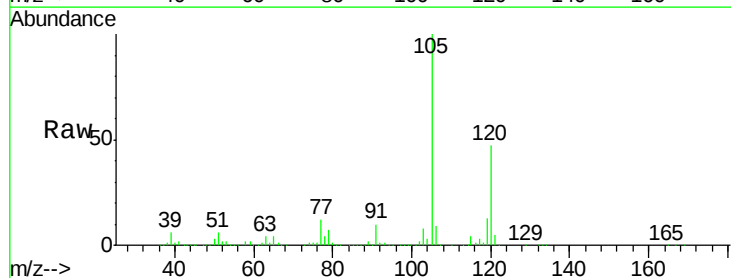
Manual Integrations
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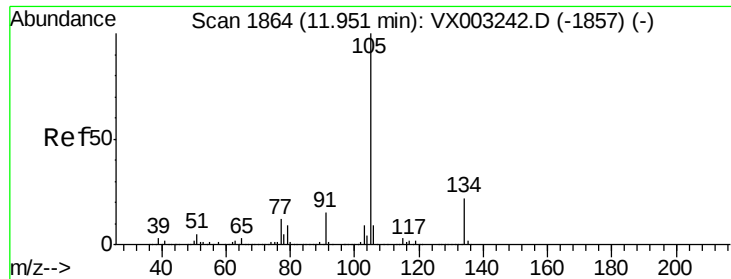
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.85 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003250.D
 Acq: 09 Jul 2018 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	286310		
120	46.3		22.3	66.8





#85

sec-Butylbenzene

Concen: 19.81 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

Instrument :

MSVOA_X

ClientSampleId :

VX0709MBSD01

Tot Ion:105 Resp: 329373

Ion Ratio Lower Upper

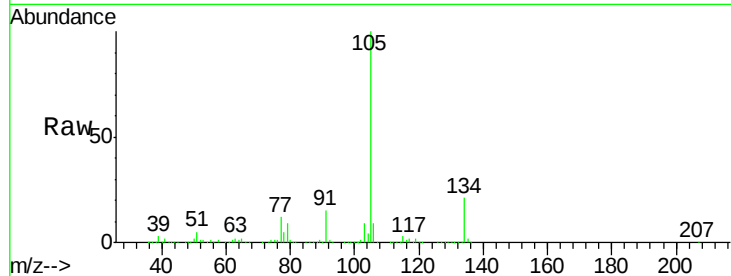
105 100

134 21.2 10.4 31.1

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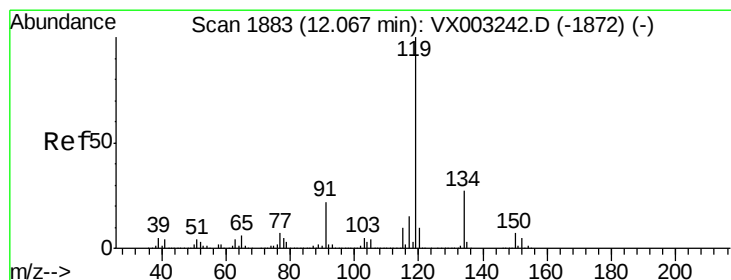
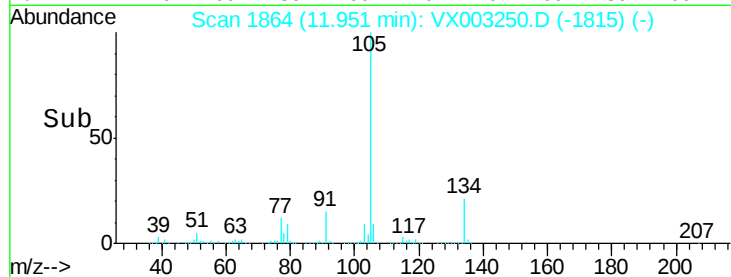
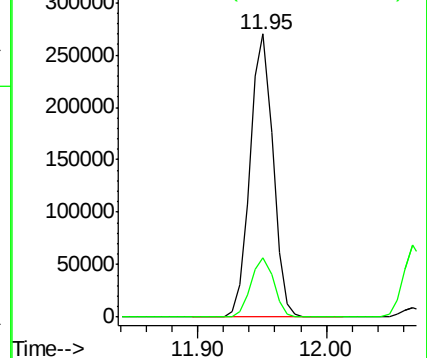
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.62 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003250.D

Acq: 09 Jul 2018 17:24

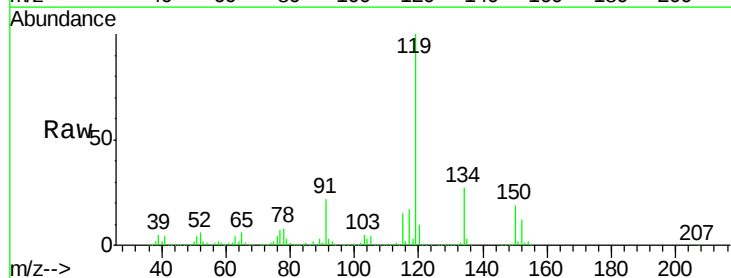
Tgt Ion:119 Resp: 297203

Ion Ratio Lower Upper

119 100

134 27.5 13.4 40.1

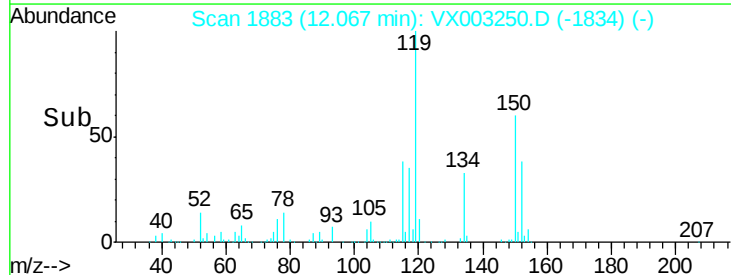
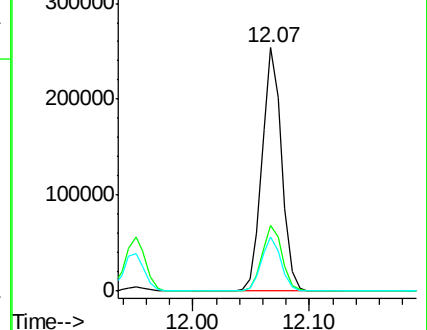
91 22.3 11.9 35.7

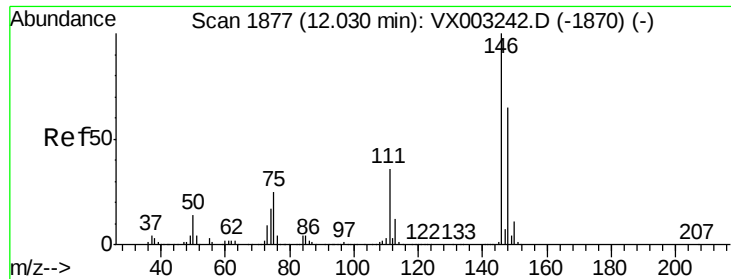


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





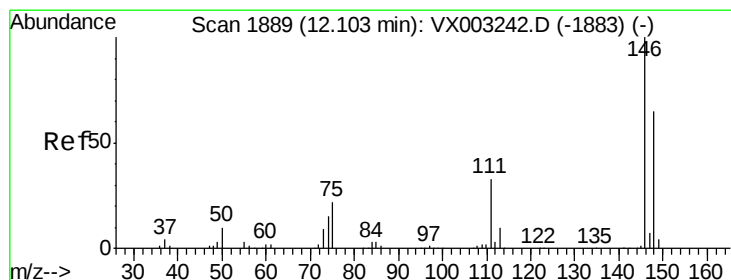
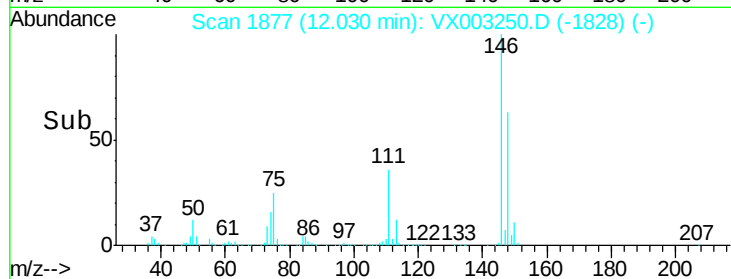
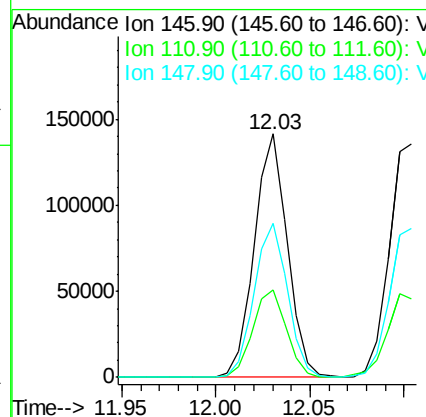
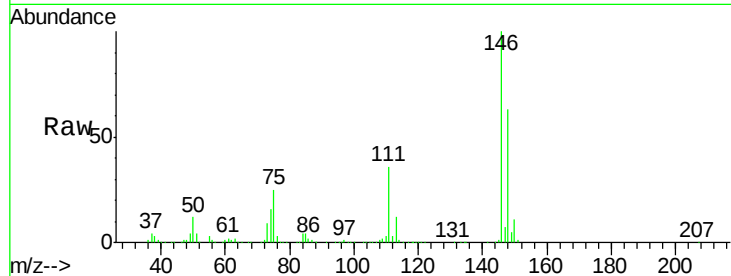
#87
 1,3-Dichlorobenzene
 Concen: 19.17 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003250.D
 Acq: 09 Jul 2018 17:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.9	56.7
148	64.3	32.1	96.3

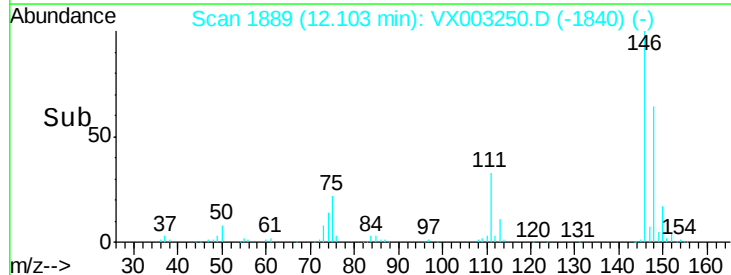
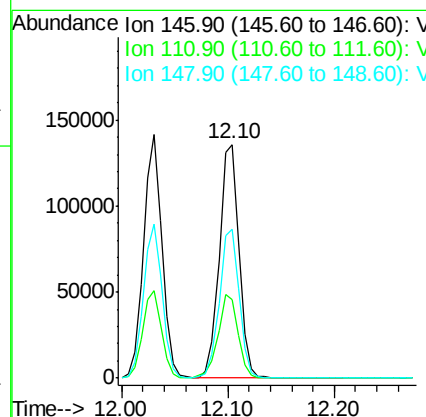
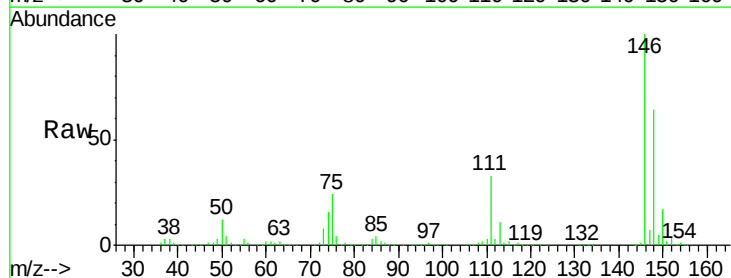
Manual Integrations
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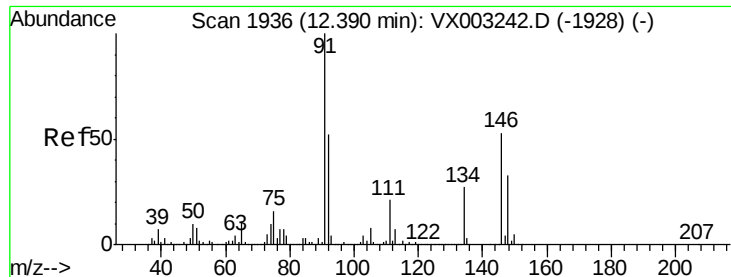
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#88
 1,4-Dichlorobenzene
 Concen: 19.14 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX003250.D
 Acq: 09 Jul 2018 17:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.7	56.1
148	64.4	32.4	97.0





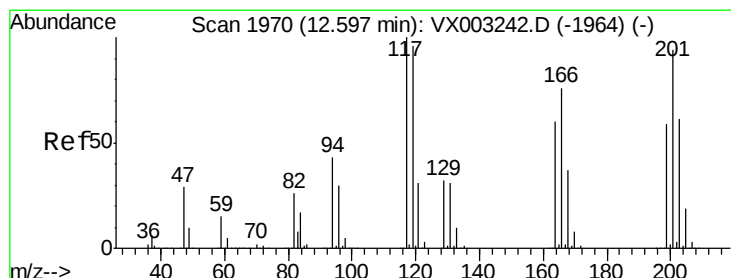
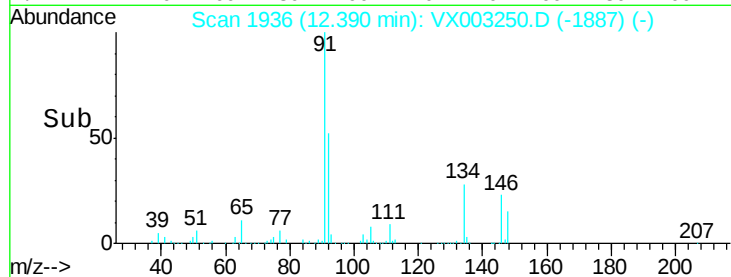
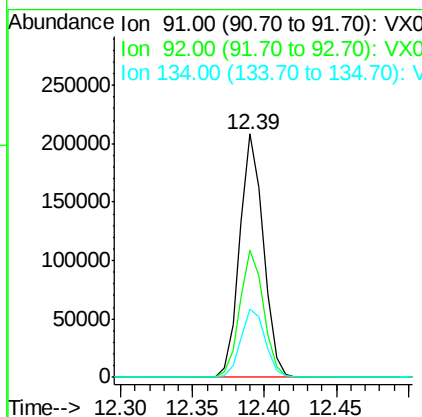
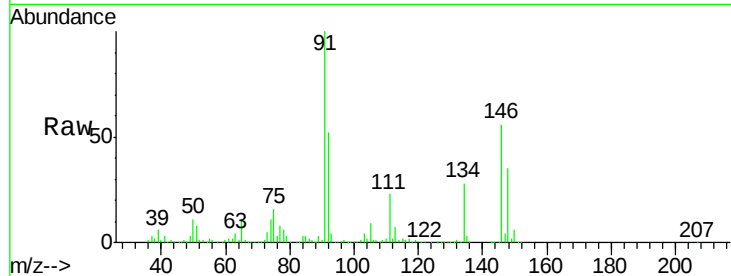
#89
n-Butylbenzene
Concen: 18.84 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Instrument :
MSVOA_X
ClientSampleId :
VX0709MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.0	78.0
134	28.7	13.5	40.5

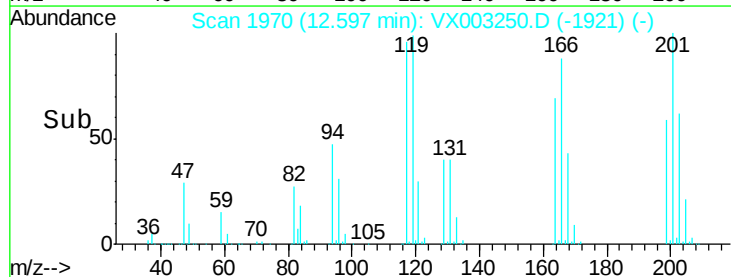
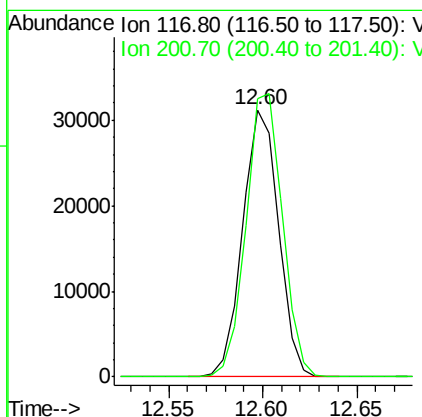
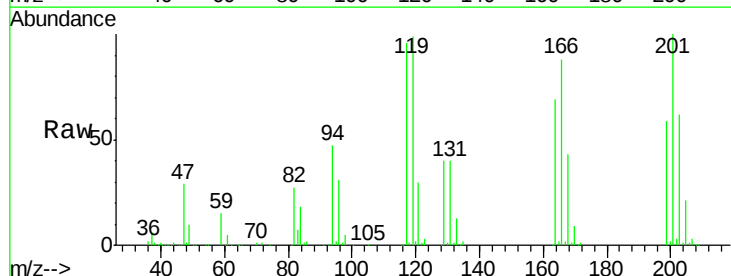
Manual Integrations
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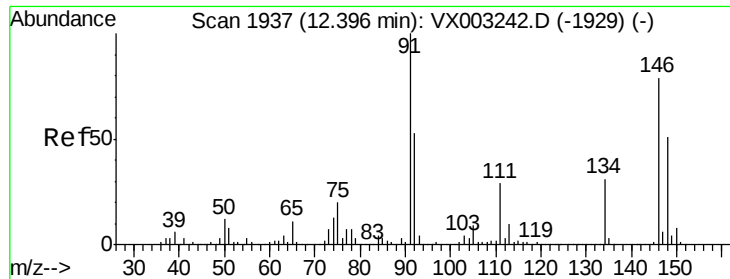
MMDadoda
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#90
Hexachloroethane
Concen: 17.82 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	107.3	49.0	147.0





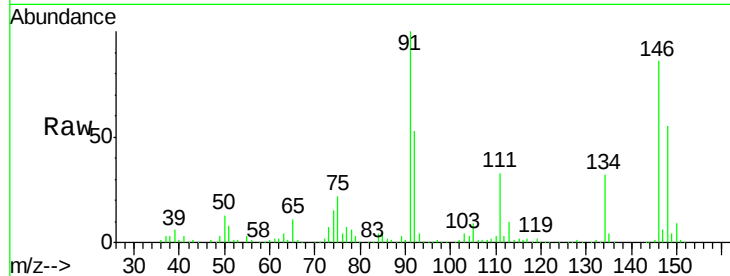
#91
 1,2-Dichlorobenzene
 Concen: 19.05 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003250.D
 Acq: 09 Jul 2018 17:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.1
148	64.5	31.7	95.1

Manual Integrations
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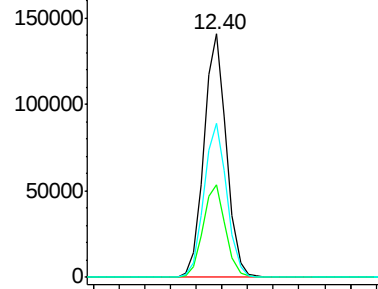


Abundance

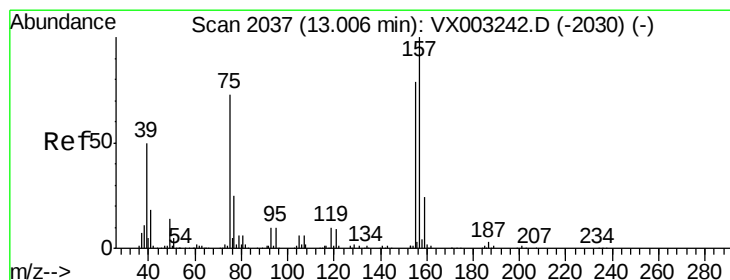
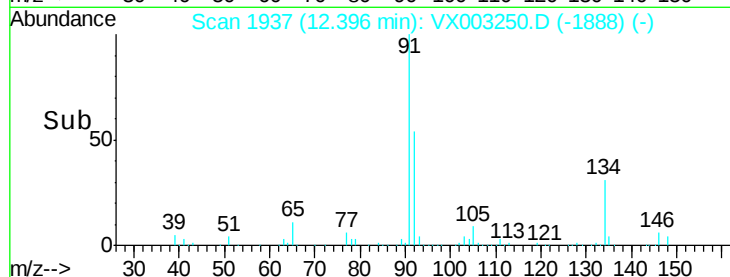
Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

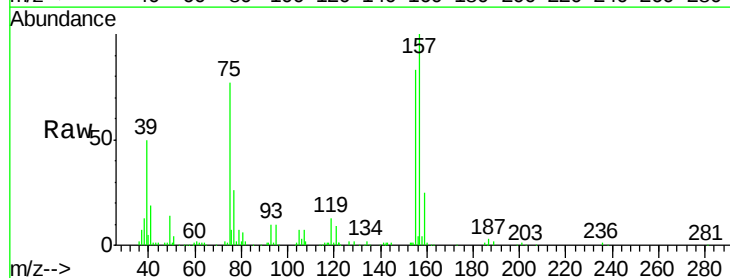


Time--> 12.30 12.40 12.50



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.63 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003250.D
 Acq: 09 Jul 2018 17:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.9	45.8	137.4
157	131.8	60.1	180.3

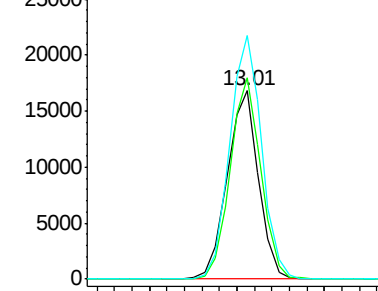


Abundance

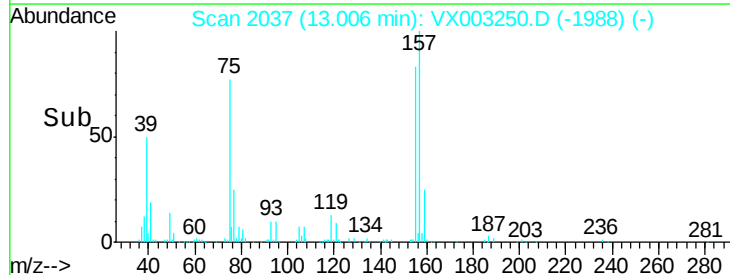
Ion 74.90 (74.60 to 75.60): VX0

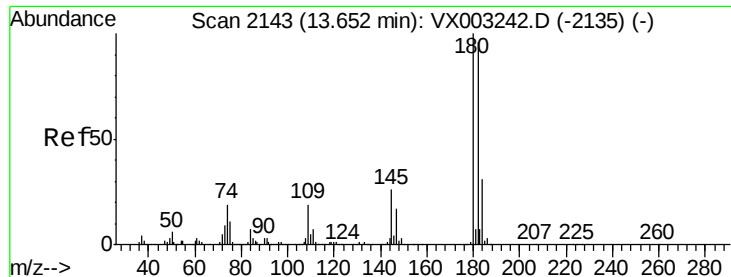
Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



Time--> 12.95 13.00 13.05





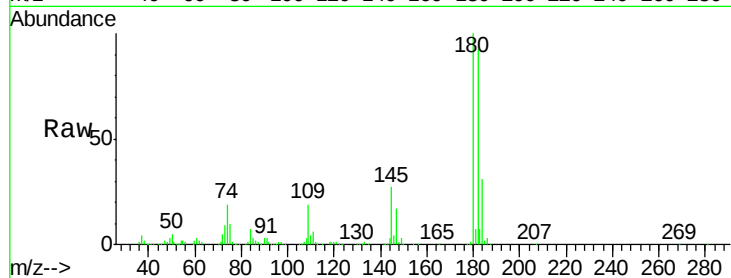
#93
 1,2,4-Trichlorobenzene
 Concen: 19.34 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX003250.D
 Acq: 09 Jul 2018 17:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709MBS01

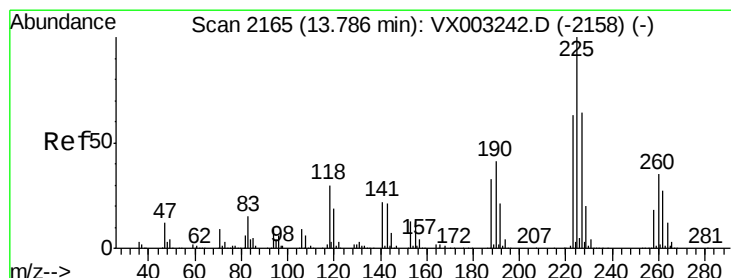
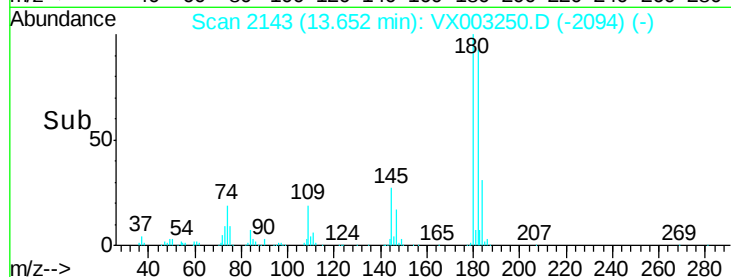
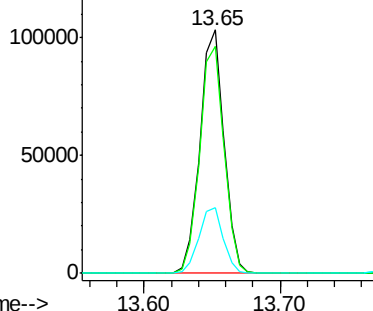
Tot Ion	Ratio	Resp	Lower	Upper
180	100	126593		
182	94.6	47.7	143.1	
145	27.4	14.1	42.4	

Manual Integrations
 APPROVED

MMDadoda
 7/10/2018 3:11:49 PM

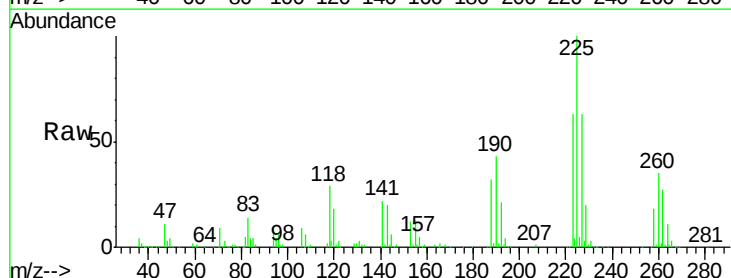


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

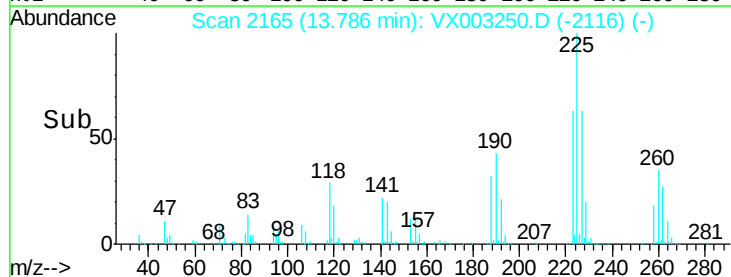
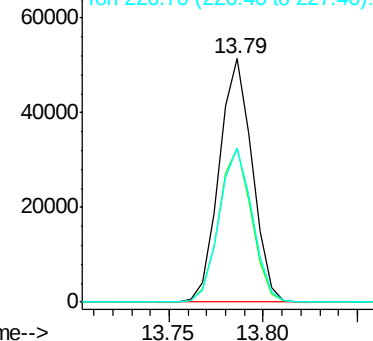


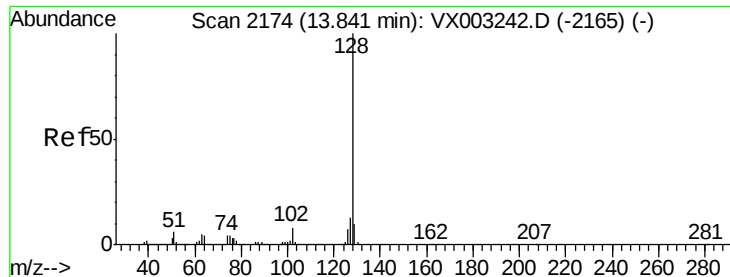
#94
 Hexachlorobutadiene
 Concen: 19.11 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003250.D
 Acq: 09 Jul 2018 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	62290		
223	62.6	31.6	95.0	
227	63.6	32.4	97.2	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





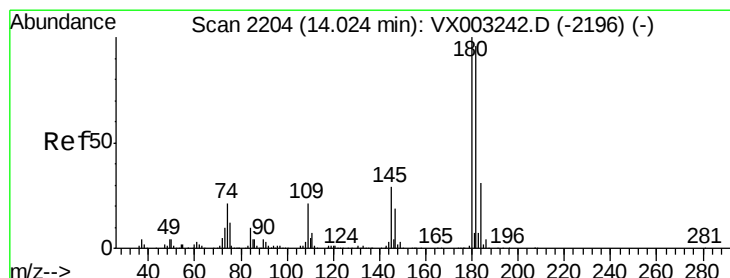
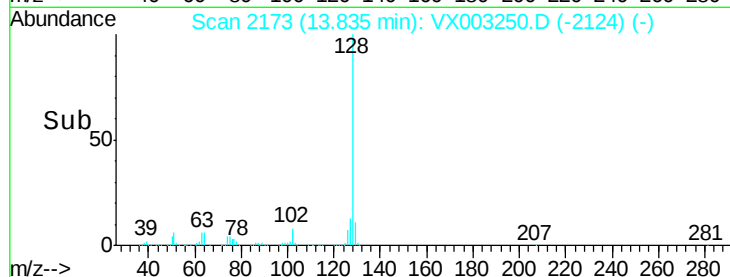
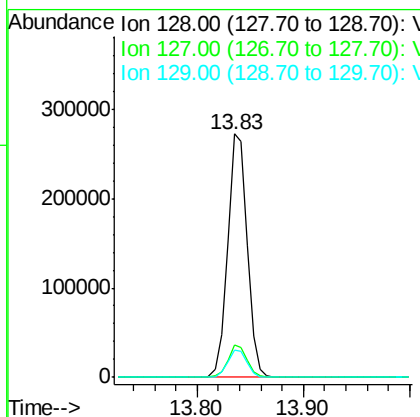
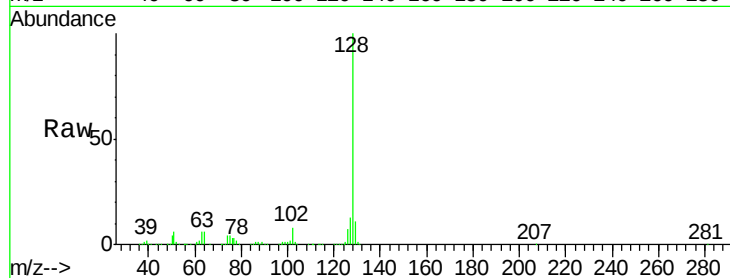
#95
Naphthalene
Concen: 20.40 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Instrument :
MSVOA_X
ClientSampleId :
VX0709MBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/10/2018 3:11:49 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.18 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003250.D
Acq: 09 Jul 2018 17:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.0	144.0
145	28.2	14.8	44.3

