

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070918\
 Data File : VX003240.D
 Acq On : 09 Jul 2018 11:49
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/10/2018 3:11:43 PM

Quant Time: Jul 09 15:11:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 14:57:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	254091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	316972	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	285351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	194258	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	22388	6.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.74%	
35) Dibromofluoromethane	5.50	113	19434	7.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	15.48%	
50) Toluene-d8	8.72	98	60963	6.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.30%	
62) 4-Bromofluorobenzene	11.14	95	20860	5.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	15943	6.32	ug/l	94
3) Chloromethane	1.32	50	17616	6.65	ug/l	95
4) Vinyl Chloride	1.40	62	17232	6.00	ug/l	99
5) Bromomethane	1.64	94	6615	3.73	ug/l	99
6) Chloroethane	1.72	64	10337	5.41	ug/l	100
7) Trichlorofluoromethane	1.92	101	25355	5.23	ug/l	97
8) Diethyl Ether	2.19	74	9460	5.37	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	15153	5.40	ug/l	95
10) Methyl Iodide	2.51	142	11397	4.35	ug/l	95
11) Tert butyl alcohol	3.08	59	18246	26.08	ug/l	95
12) 1,1-Dichloroethene	2.37	96	13507	5.39	ug/l	92
13) Acrolein	2.29	56	16204	39.01	ug/l	99
14) Allyl chloride	2.73	41	24783	5.02	ug/l	94
15) Acrylonitrile	3.15	53	40221	26.91	ug/l	98
16) Acetone	2.45	43	34878	23.98	ug/l	95
17) Carbon Disulfide	2.56	76	36865	5.52	ug/l	99
18) Methyl Acetate	2.78	43	18166	4.47	ug/l	92
19) Methyl tert-butyl Ether	3.21	73	47330	5.25	ug/l	97
20) Methylene Chloride	2.86	84	15521	5.48	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	14749	5.40	ug/l	94
22) Diisopropyl ether	3.88	45	52219	5.53	ug/l	95
23) Vinyl Acetate	3.83	43	224739	28.11	ug/l	96
24) 1,1-Dichloroethane	3.70	63	27566	5.37	ug/l	98
25) 2-Butanone	4.71	43	61927	28.69	ug/l	94
26) 2,2-Dichloropropane	4.58	77	23582	5.65	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	18212	5.95	ug/l	67
28) Bromochloromethane	5.02	49	13980	5.69	ug/l	89
29) Tetrahydrofuran	5.17	42	40677	29.39	ug/l	97
30) Chloroform	5.22	83	29920	5.68	ug/l	93
31) Cyclohexane	5.57	56	24279	5.51	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	25730	5.55	ug/l	98
36) 1,1-Dichloropropene	5.81	75	21280	6.12	ug/l	96
37) Ethyl Acetate	4.86	43	23388	6.25	ug/l #	92
38) Carbon Tetrachloride	5.78	117	23128	6.06	ug/l	97

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Manual Integrations
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Quant Time: Jul 09 15:11:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 14:57:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	24312	6.00	ug/l	97
40) Benzene	6.15	78	64779	6.41	ug/l	99
41) Methacrylonitrile	5.07	41	13260	6.15	ug/l	94
42) 1,2-Dichloroethane	6.20	62	24644	6.04	ug/l	96
43) Isopropyl Acetate	6.47	43	36401	5.80	ug/l	96
44) Trichloroethene	7.21	130	19256	6.39	ug/l	93
45) 1,2-Dichloropropane	7.52	63	16773	6.26	ug/l	99
46) Dibromomethane	7.67	93	11523	6.20	ug/l	94
47) Bromodichloromethane	7.90	83	20393	5.93	ug/l	98
48) Methyl methacrylate	7.78	41	18043	5.58	ug/l	95
49) 1,4-Dioxane	7.76	88	8416	133.75	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	116493	29.66	ug/l	99
52) Toluene	8.79	92	40735	6.30	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	23200	5.96	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	20003	5.34	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	17051	6.41	ug/l	98
56) Ethyl methacrylate	9.18	69	21591	5.56	ug/l	93
57) 1,3-Dichloropropane	9.38	76	27813	6.37	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	55169	29.43	ug/l	98
59) 2-Hexanone	9.50	43	86700	29.05	ug/l	97
60) Dibromochloromethane	9.59	129	16132	5.76	ug/l	100
61) 1,2-Dibromoethane	9.68	107	17939	6.43	ug/l	99
64) Tetrachloroethene	9.34	164	22157	6.98	ug/l	97
65) Chlorobenzene	10.14	112	46602	6.43	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	16781	6.37	ug/l	99
67) Ethyl Benzene	10.26	91	74441	6.22	ug/l	99
68) m/p-Xylenes	10.36	106	57789	12.52	ug/l	97
69) o-Xylene	10.70	106	27786	6.18	ug/l	96
70) Styrene	10.71	104	43776	6.00	ug/l	98
71) Bromoform	10.86	173	12167	5.88	ug/l #	99
73) Isopropylbenzene	11.02	105	74811	5.72	ug/l	99
74) N-amyl acetate	6.47	43	36401	5.69	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	24845	6.17	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	21623m	6.15	ug/l	
77) Bromobenzene	11.26	156	22195	5.96	ug/l	97
78) n-propylbenzene	11.37	91	83203	5.59	ug/l	99
79) 2-Chlorotoluene	11.42	91	52974	5.88	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	62235	5.65	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	5407	5.21	ug/l	92
82) 4-Chlorotoluene	11.51	91	60114	5.64	ug/l	97
83) tert-Butylbenzene	11.77	119	61107	5.63	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	63427	5.56	ug/l	97
85) sec-Butylbenzene	11.95	105	72285	5.49	ug/l	98
86) p-Isopropyltoluene	12.07	119	65325	5.52	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	39717	5.84	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	40899	5.85	ug/l	96
89) n-Butylbenzene	12.39	91	51601	5.01	ug/l	100
90) Hexachloroethane	12.60	117	9272	5.27	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	40889	5.96	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	4641	5.13	ug/l	89

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ALS Vial : 3 Sample Multiplier: 1

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MSVOA_X
ClientSampleId :
VSTDICC005

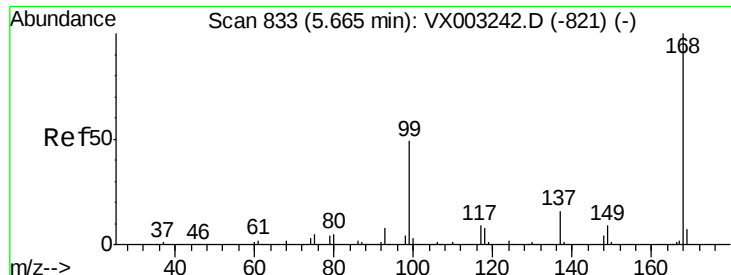
Manual Integrations
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Quant Time: Jul 09 15:11:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 09 14:57:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	26528	5.31	ug/l	97
94) Hexachlorobutadiene	13.79	225	13794	5.54	ug/l	97
95) Naphthalene	13.83	128	70763	5.32	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	28486	5.71	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 254091

Ion Ratio Lower Upper

168 100

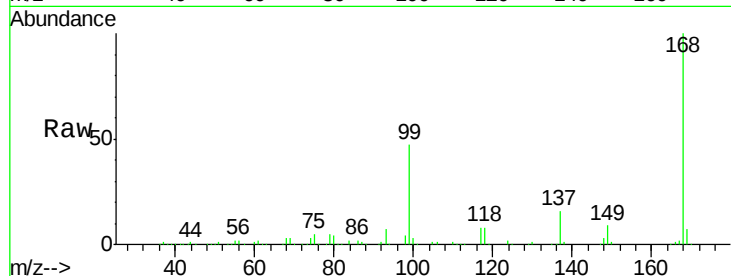
99 46.6 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

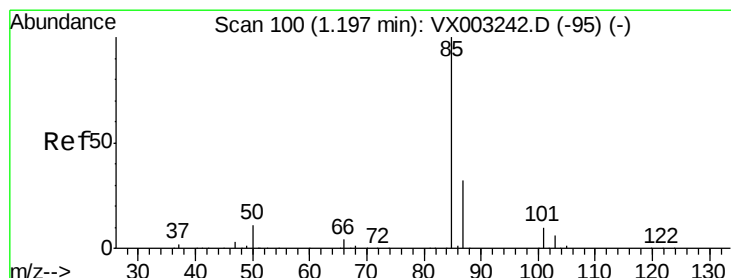
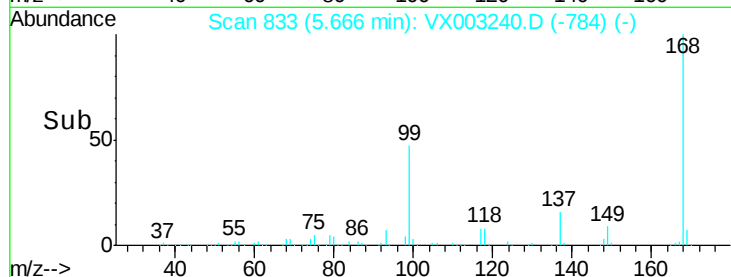
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 6.32 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003240.D

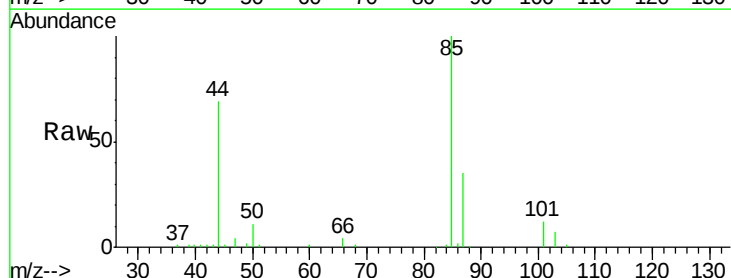
Acq: 09 Jul 2018 11:49

Tgt Ion: 85 Resp: 15943

Ion Ratio Lower Upper

85 100

87 35.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

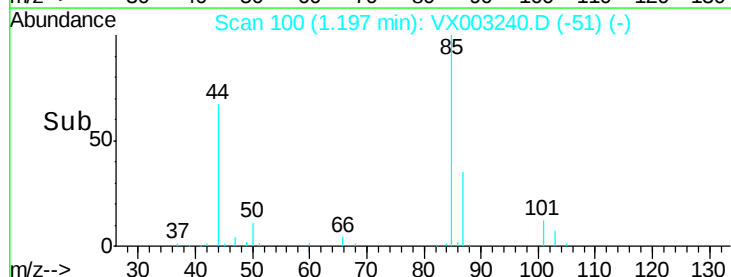
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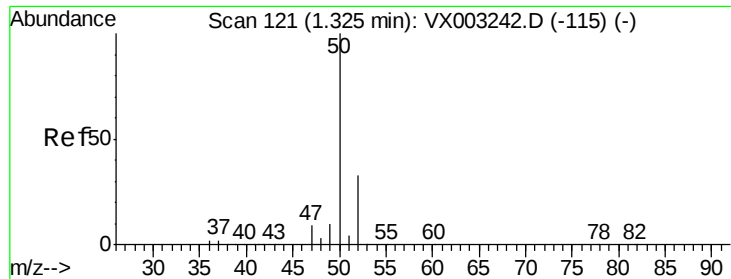
10000

5000

0

Time-->





#3

Chloromethane

Concen: 6.65 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 17616

Ion Ratio Lower Upper

50 100

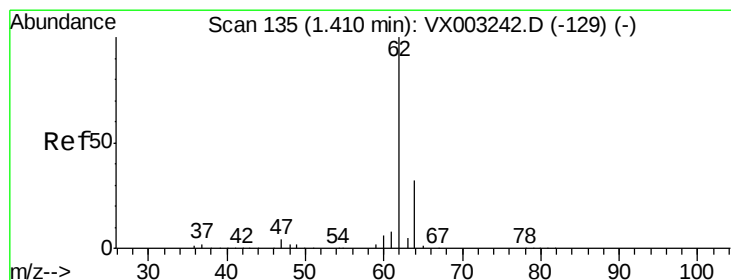
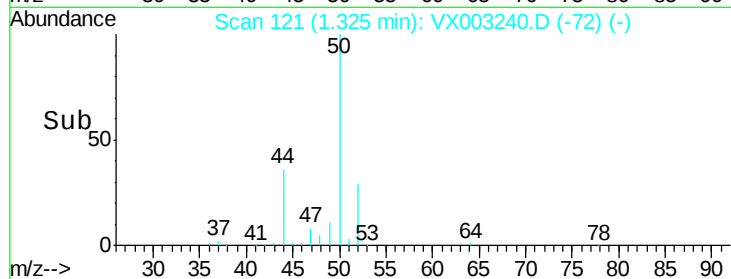
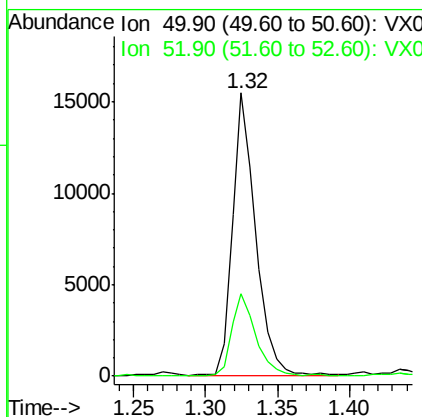
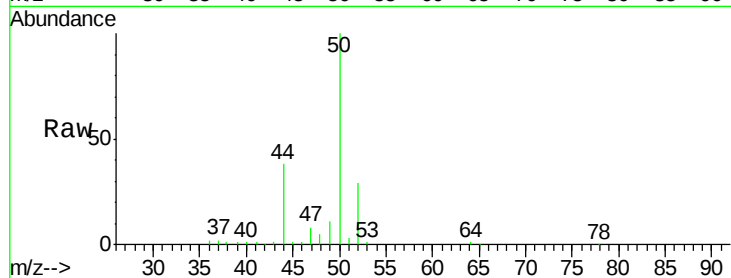
52 29.2 25.7 38.5

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#4

Vinyl Chloride

Concen: 6.00 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX003240.D

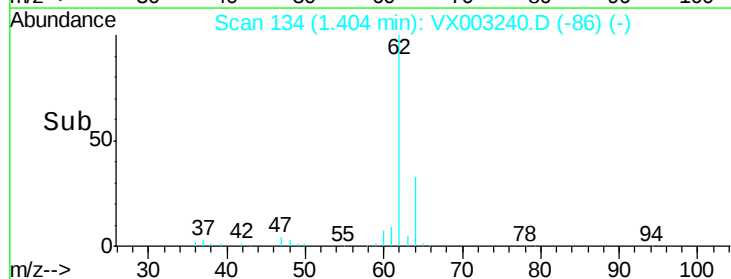
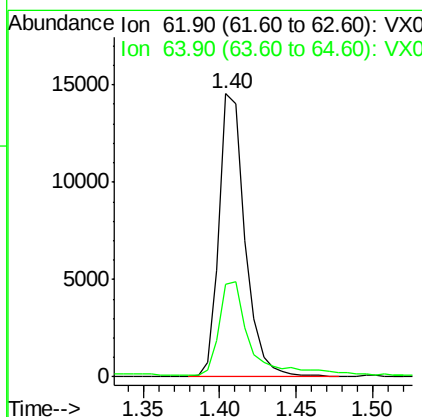
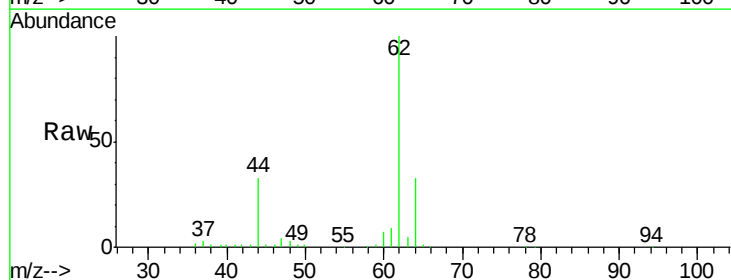
Acq: 09 Jul 2018 11:49

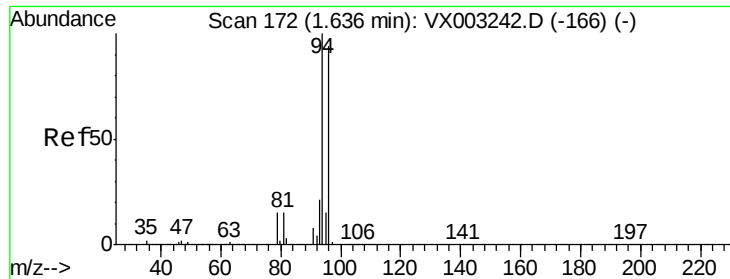
Tgt Ion: 62 Resp: 17232

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.2





#5

Bromomethane

Concen: 3.73 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 6615

Ion Ratio Lower Upper

94 100

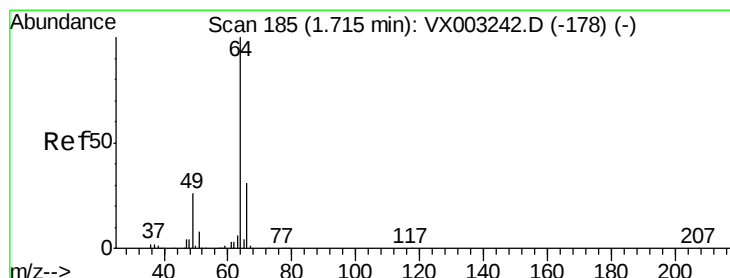
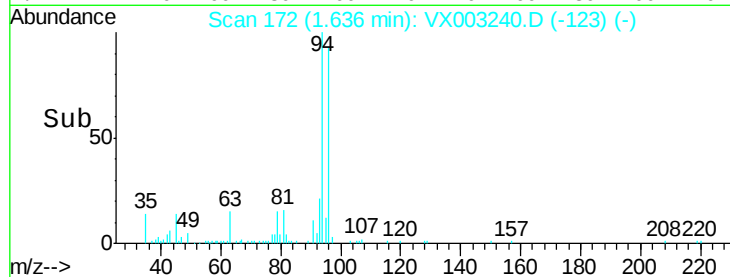
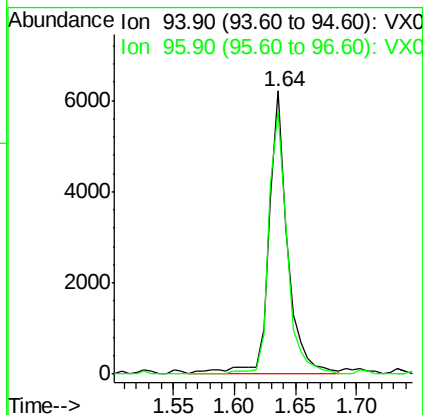
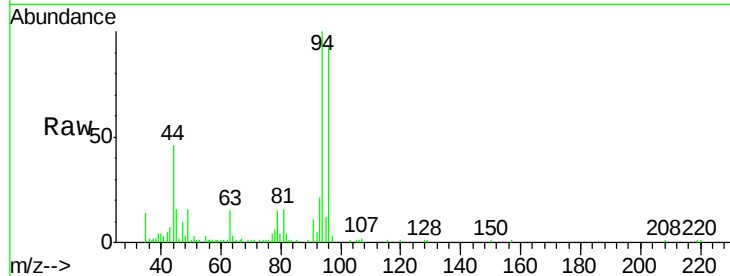
96 93.0 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 5.41 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003240.D

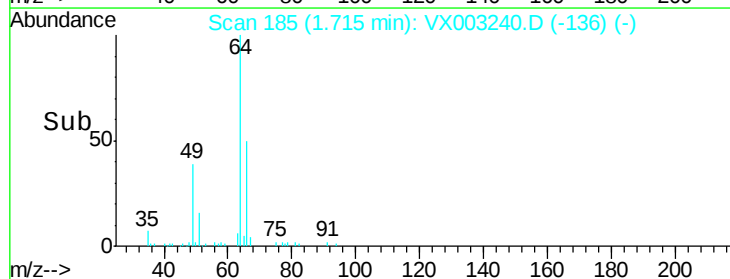
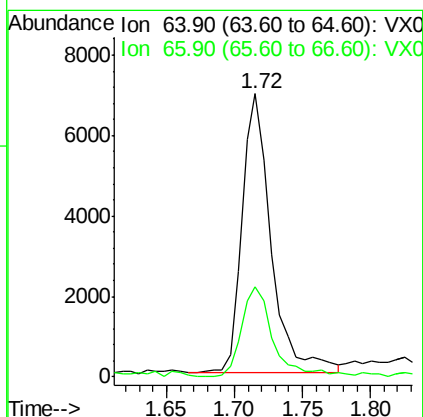
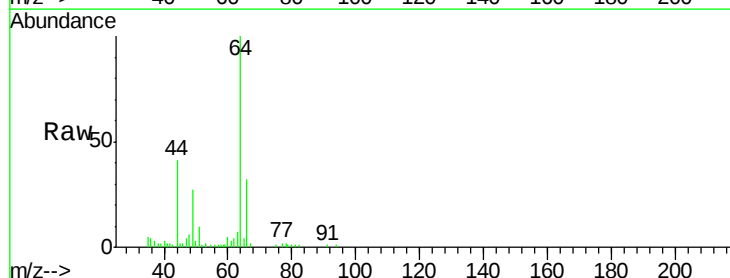
Acq: 09 Jul 2018 11:49

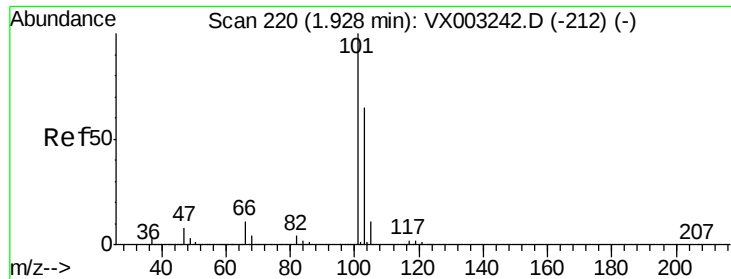
Tgt Ion: 64 Resp: 10337

Ion Ratio Lower Upper

64 100

66 31.7 25.5 38.3





#7

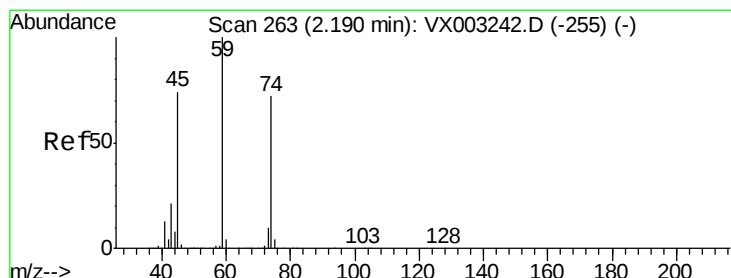
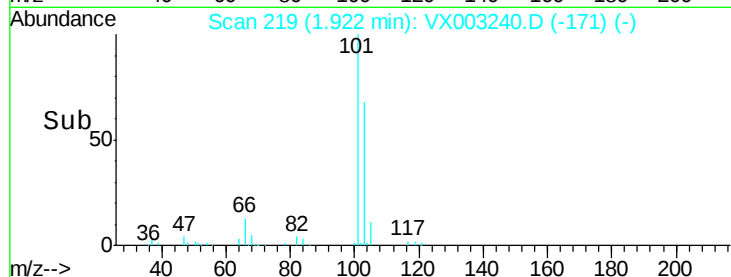
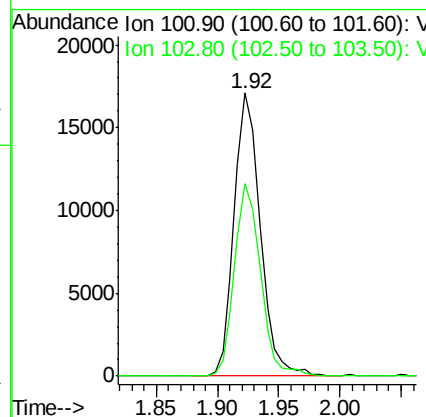
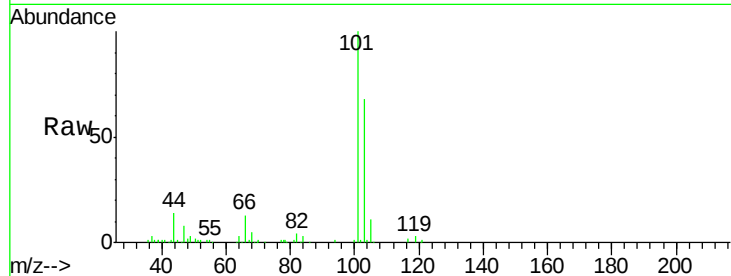
Trichlorofluoromethane
 Concen: 5.23 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX003240.D
 Acq: 09 Jul 2018 11:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
101	100	25355		
103	68.1	52.8	79.2	

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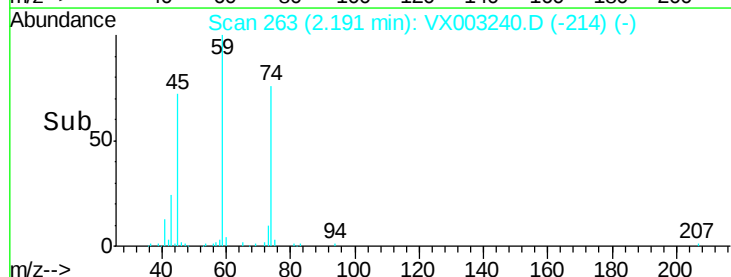
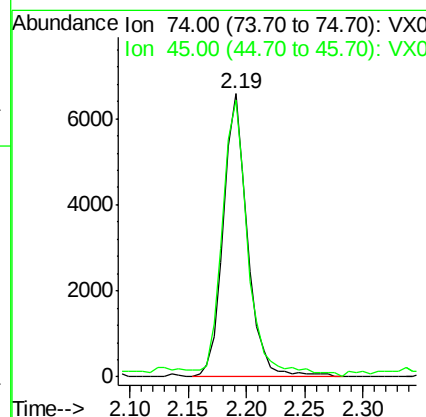
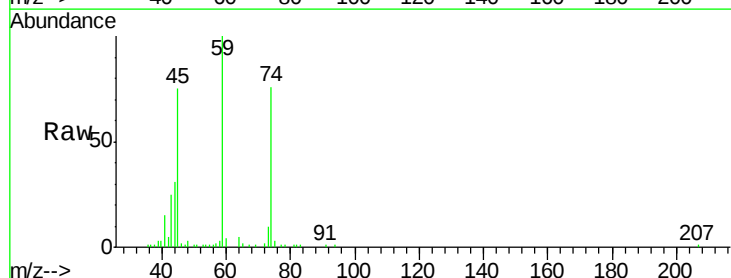
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 7/10/2018 3:11:43 PM

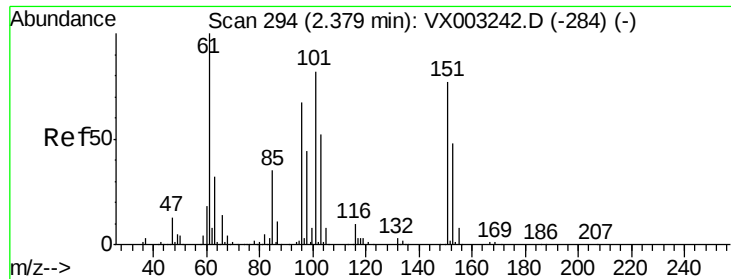


#8

Diethyl Ether
 Concen: 5.37 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003240.D
 Acq: 09 Jul 2018 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	9460		
45	105.3	53.1	159.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.40 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

Instrument :

MSVOA_X

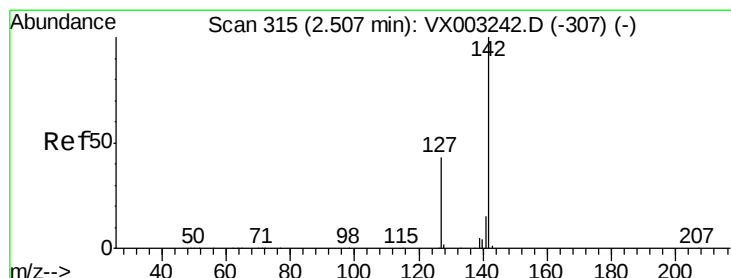
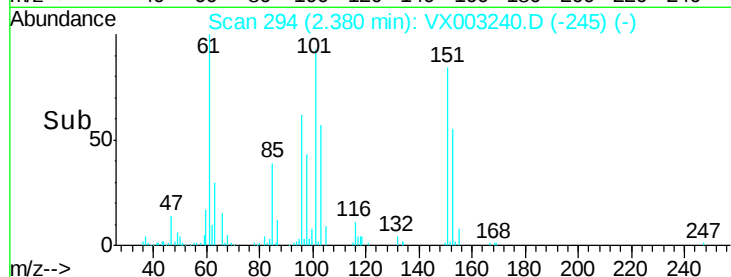
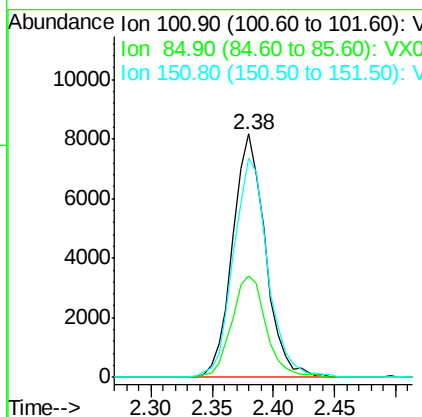
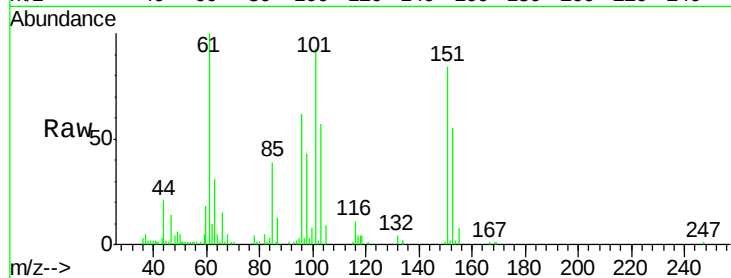
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	15153
Ion Ratio	Lower	Upper	
101	100		
85	43.6	36.0	54.0
151	94.7	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 4.35 ug/l

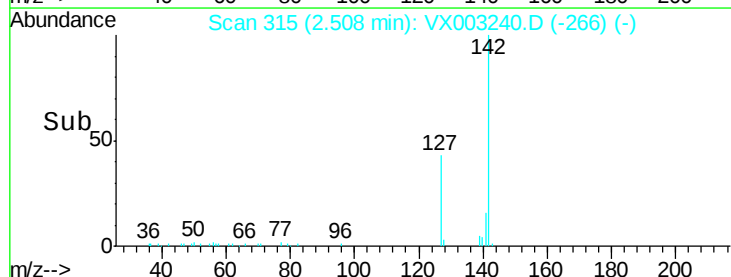
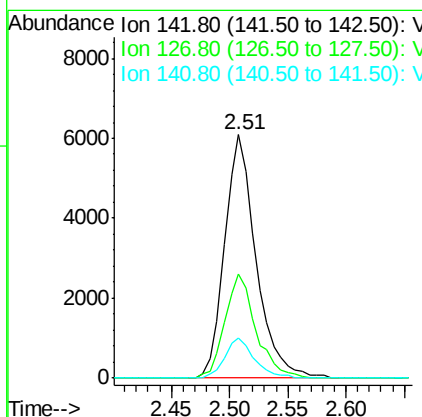
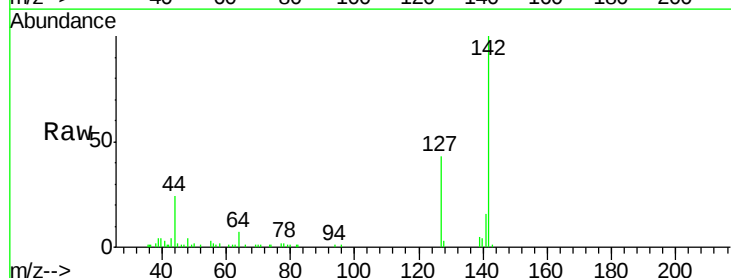
RT: 2.51 min Scan# 315

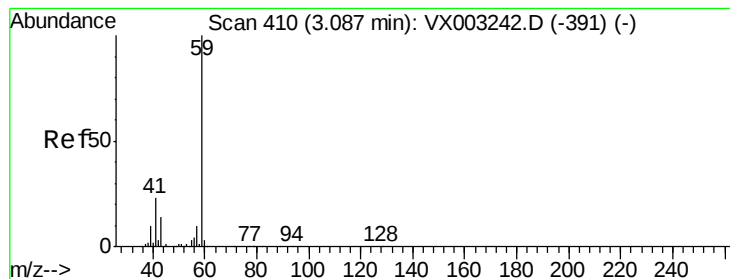
Delta R.T. 0.00 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

Tgt Ion:	142	Resp:	11397
Ion Ratio	Lower	Upper	
142	100		
127	42.0	36.6	55.0
141	15.3	11.3	16.9





#11

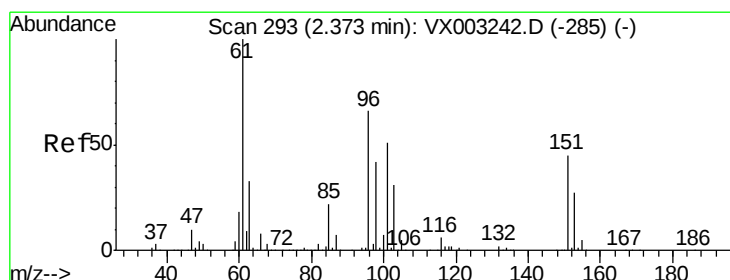
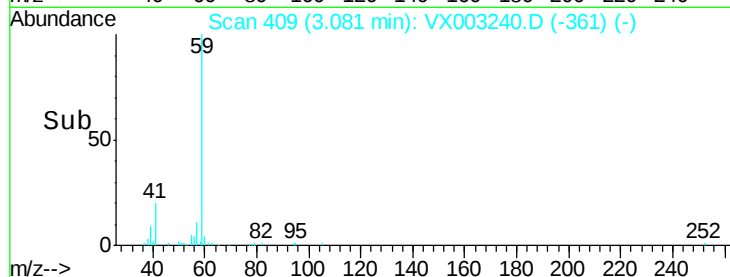
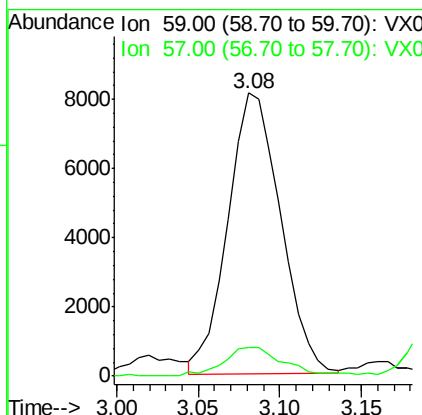
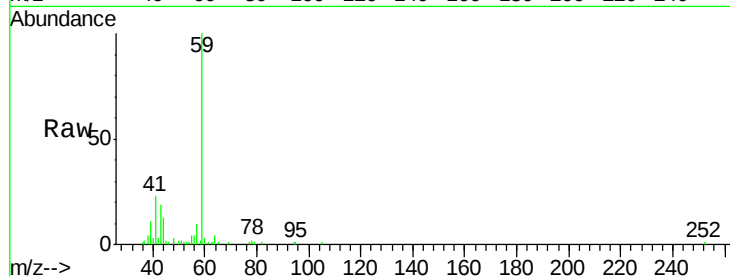
Tert butyl alcohol
 Concen: 26.08 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: VX003240.D
 Acq: 09 Jul 2018 11:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.9	8.2	12.2

Manual Integrations
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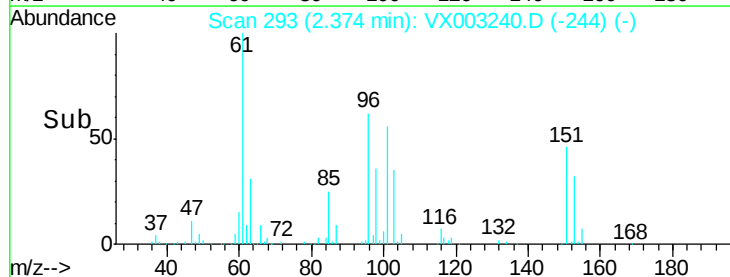
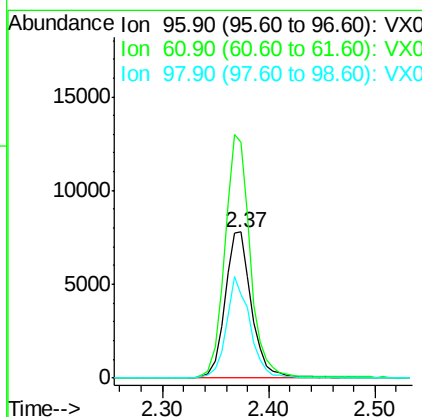
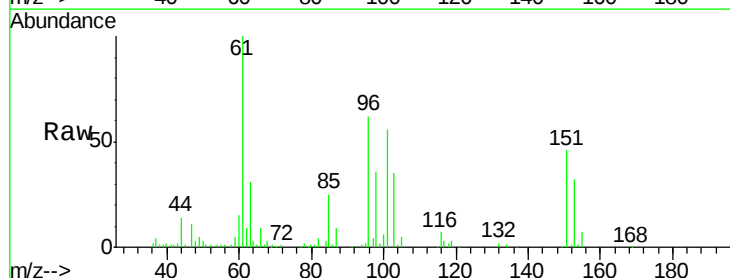
MMDadoda
 7/10/2018 3:11:43 PM

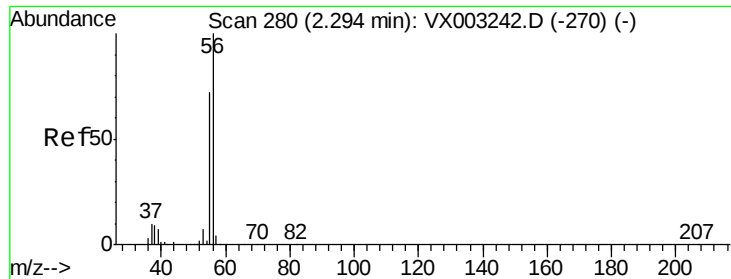


#12

1,1-Dichloroethene
 Concen: 5.39 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX003240.D
 Acq: 09 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.0	137.9	206.9
98	57.5	51.6	77.4





#13

Acrolein

Concen: 39.01 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 16204

Ion Ratio Lower Upper

56 100

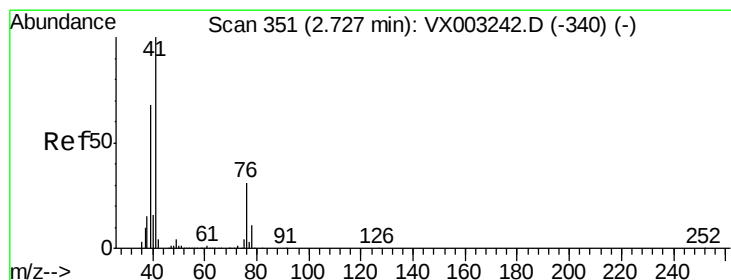
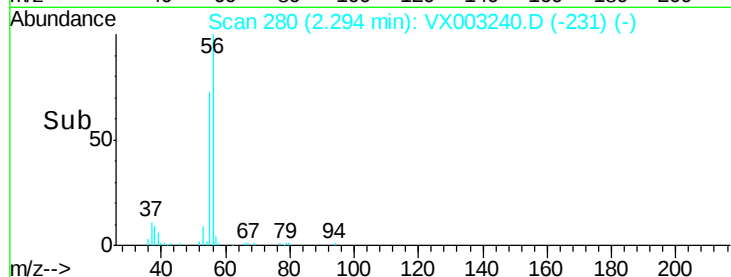
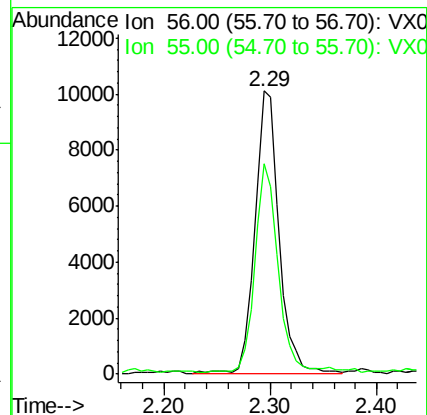
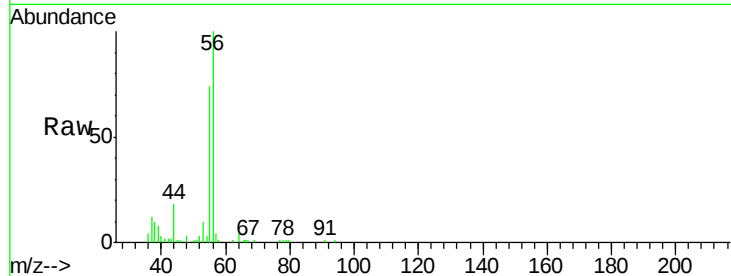
55 70.4 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 5.02 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

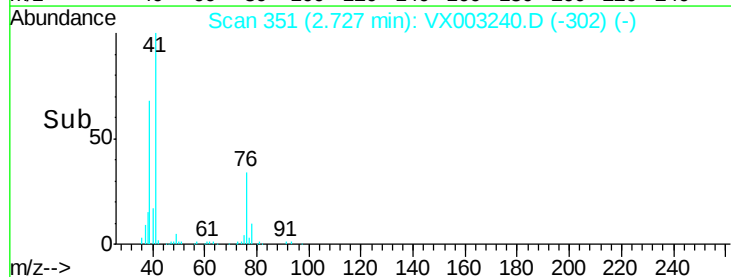
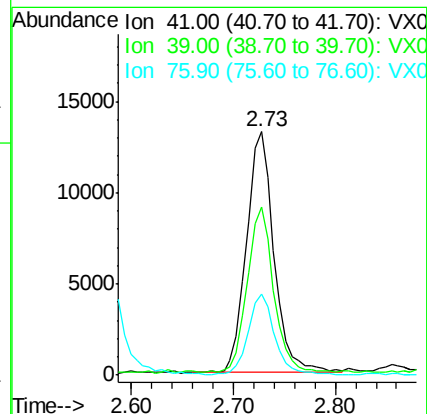
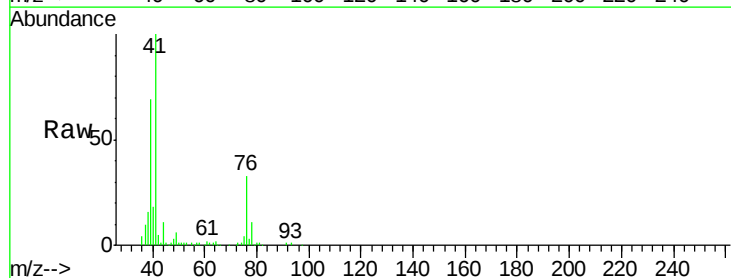
Tgt Ion: 41 Resp: 24783

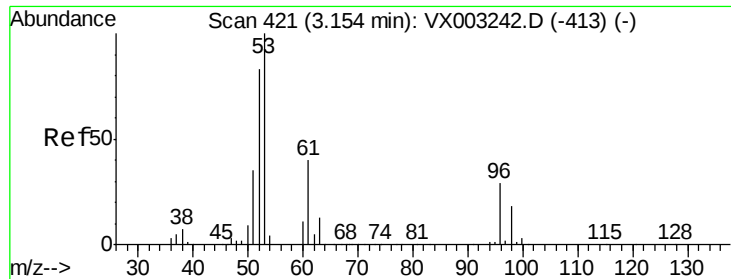
Ion Ratio Lower Upper

41 100

39 66.2 56.8 85.2

76 32.9 23.8 35.8





#15

Acrylonitrile

Concen: 26.91 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

Instrument :

MSVOA_X

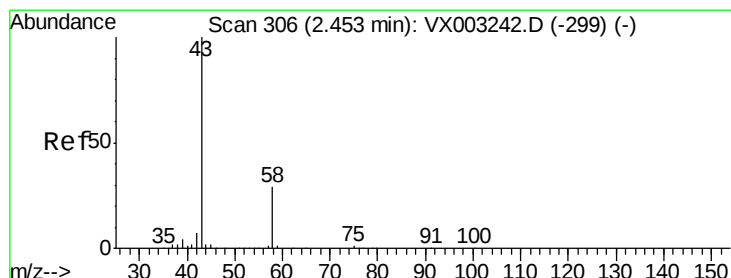
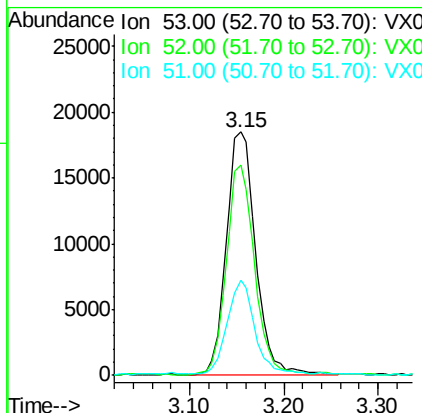
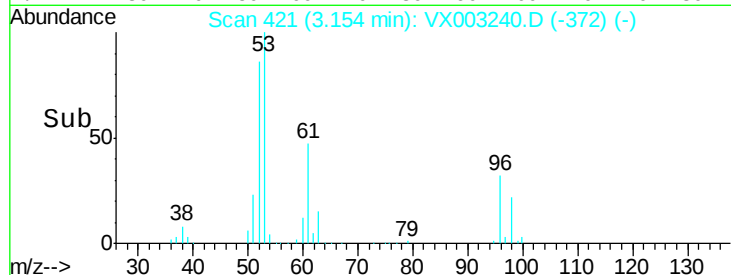
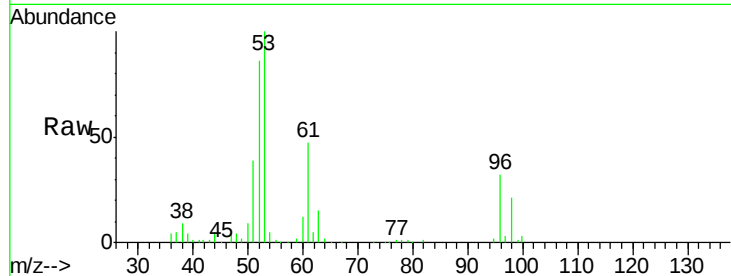
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	40221
Ion	Ratio	Lower	Upper
53	100		
52	81.4	66.7	100.1
51	35.9	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 23.98 ug/l

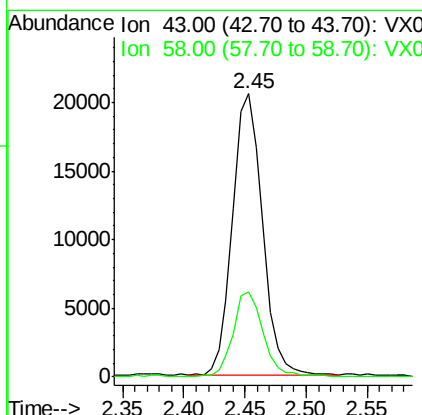
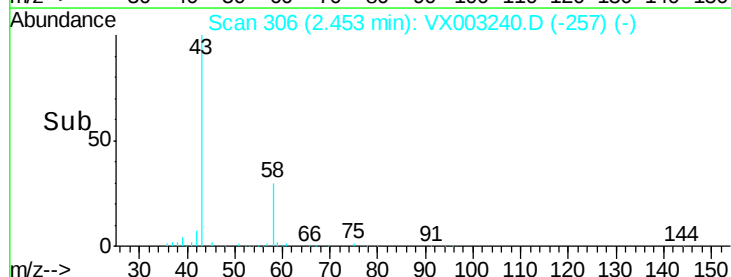
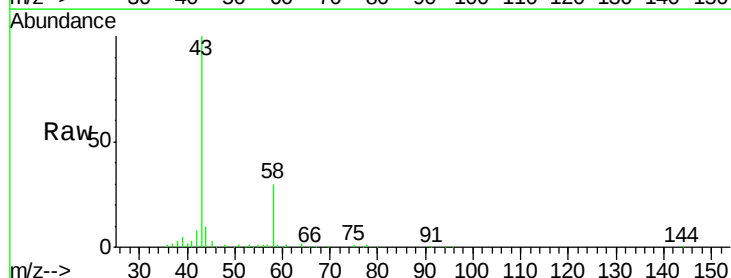
RT: 2.45 min Scan# 306

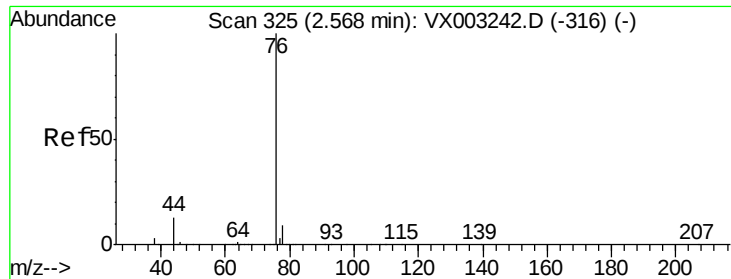
Delta R.T. 0.00 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

Tgt Ion:	43	Resp:	34878
Ion	Ratio	Lower	Upper
43	100		
58	30.3	22.1	33.1





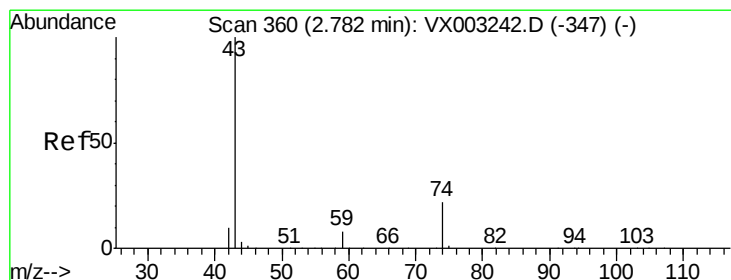
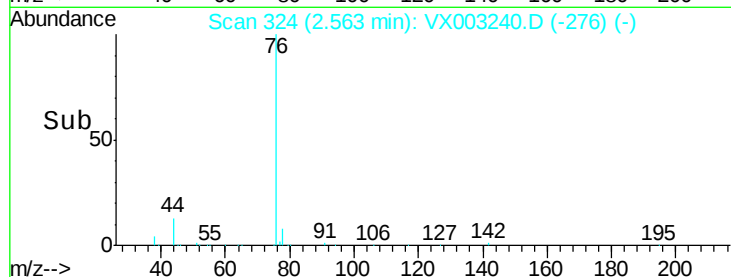
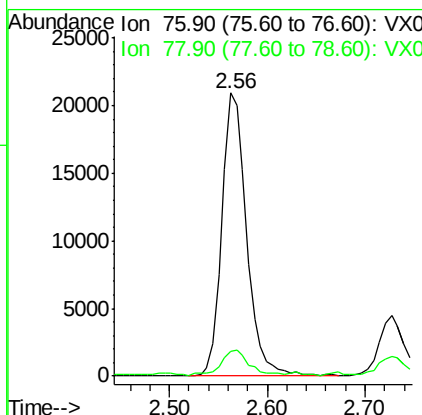
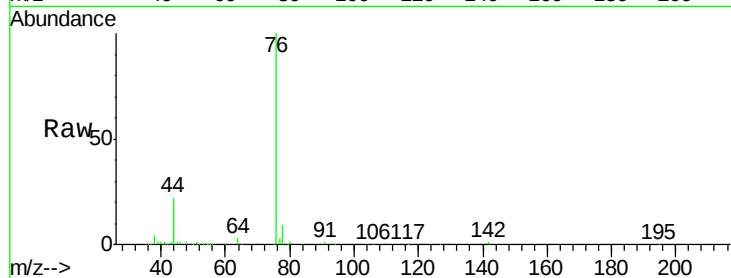
#17
Carbon Disulfide
Concen: 5.52 ug/l
RT: 2.56 min Scan# 324
Delta R.T. -0.01 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	6.9	10.3

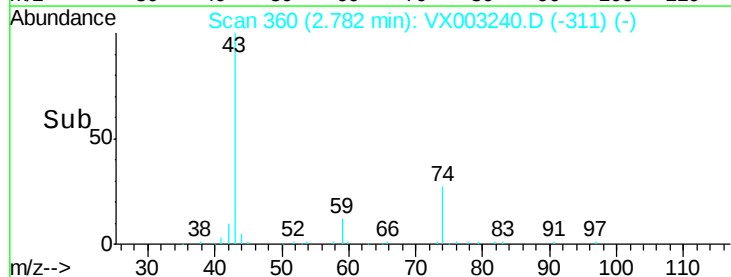
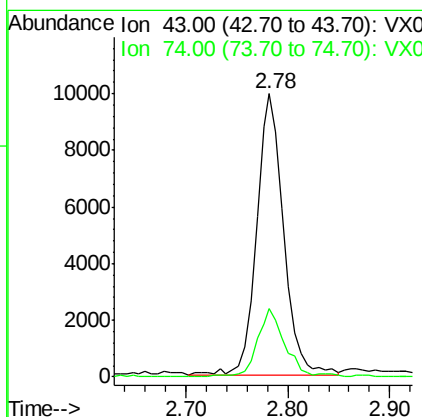
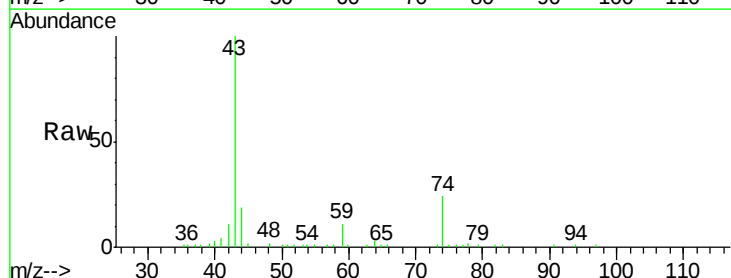
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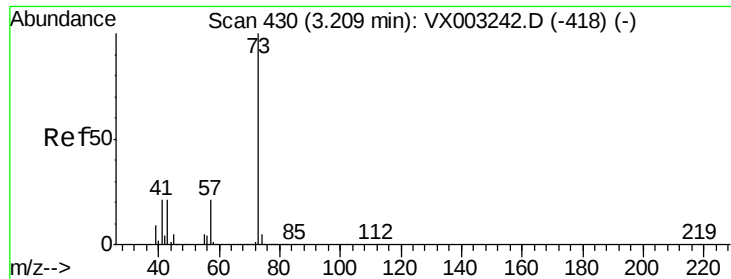
MMDadoda
7/10/2018 3:11:43 PM



#18
Methyl Acetate
Concen: 4.47 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	16.7	25.1





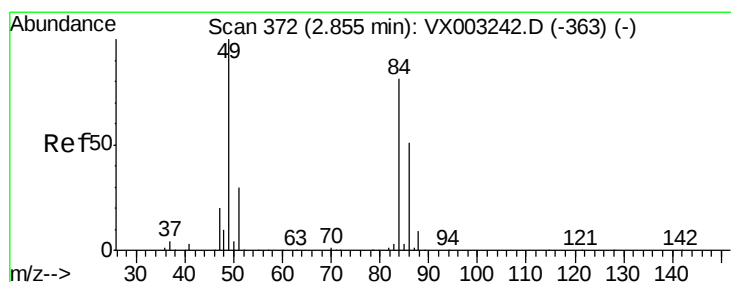
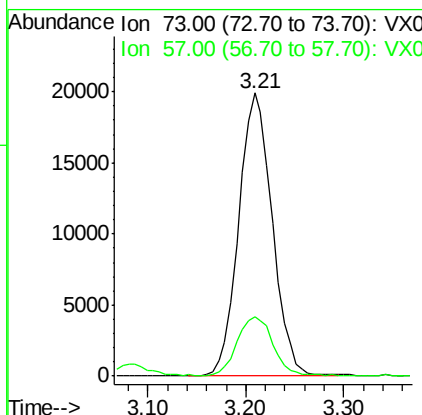
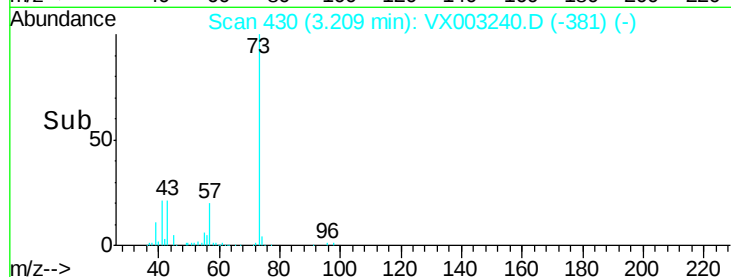
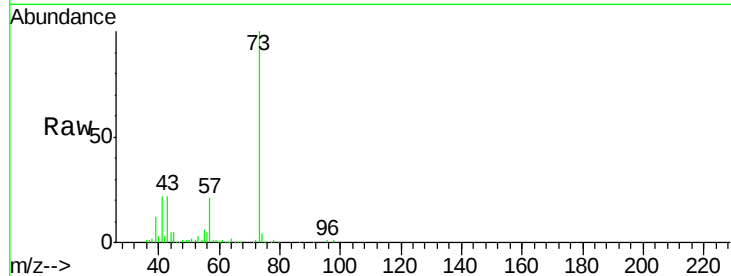
#19
Methvl tert-butvl Ether
Concen: 5.25 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 47330
Ion Ratio Lower Upper
73 100
57 20.8 17.7 26.5

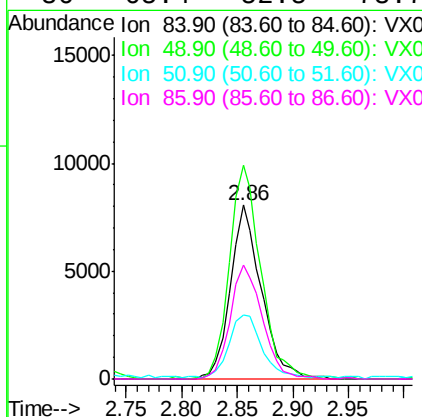
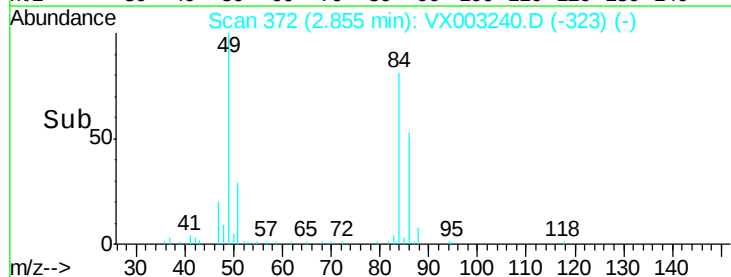
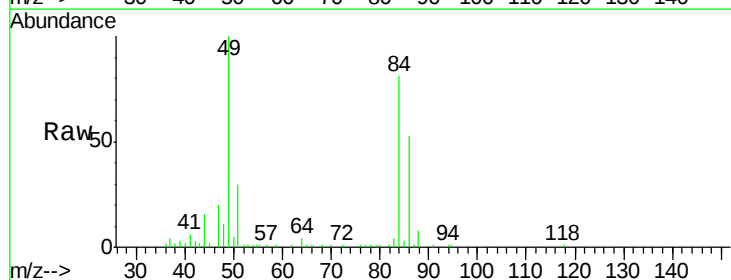
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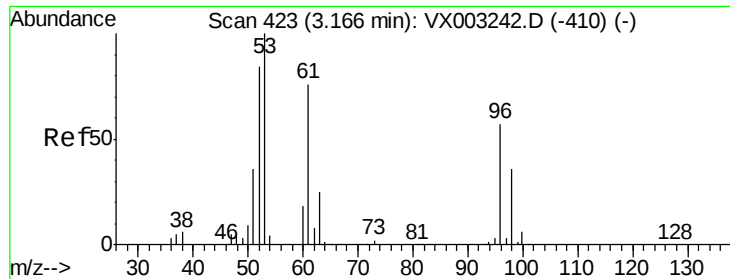
MMDadoda
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#20
Methylene Chloride
Concen: 5.48 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Tgt Ion: 84 Resp: 15521
Ion Ratio Lower Upper
84 100
49 122.9 107.8 161.6
51 35.8 32.8 49.2
86 65.4 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 5.40 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 96 Resp: 14749

Ion Ratio Lower Upper

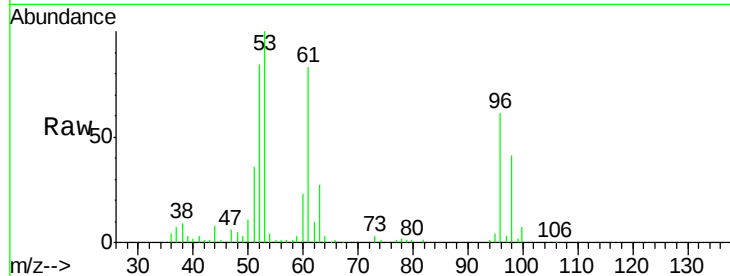
96 100

61 135.3 117.0 175.4

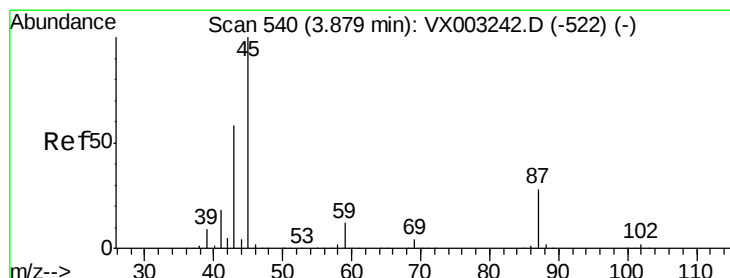
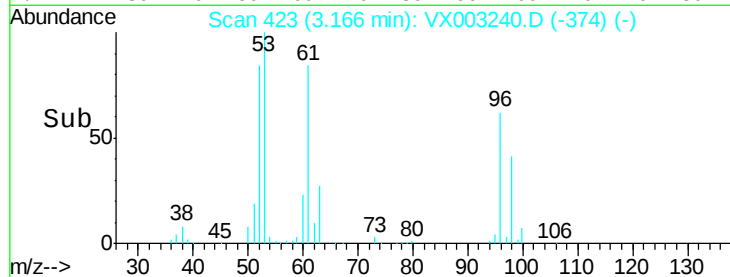
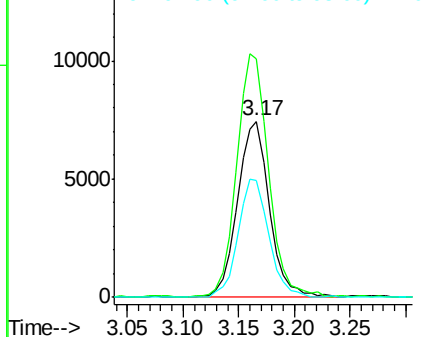
98 66.5 52.4 78.6

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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 5.53 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

Tgt Ion: 45 Resp: 52219

Ion Ratio Lower Upper

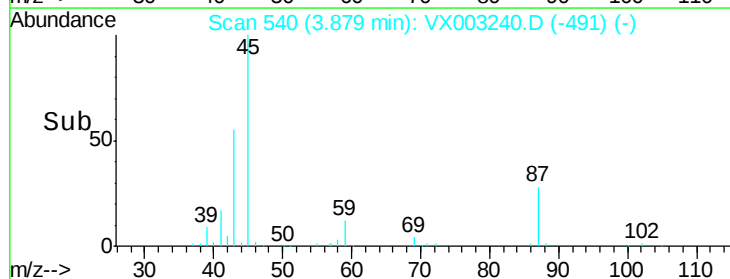
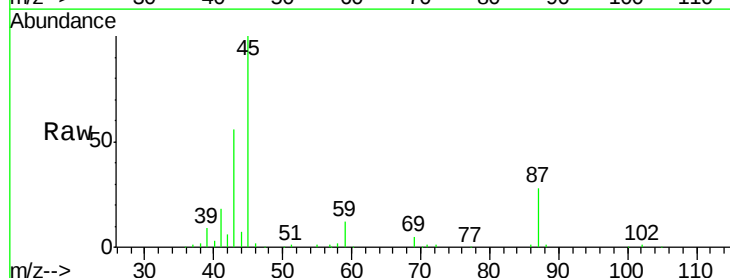
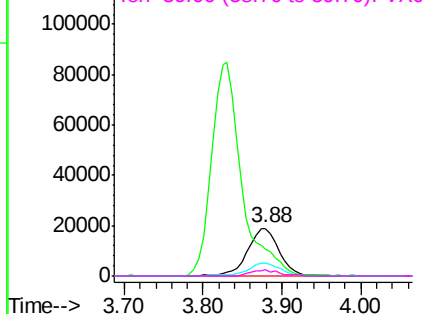
45 100

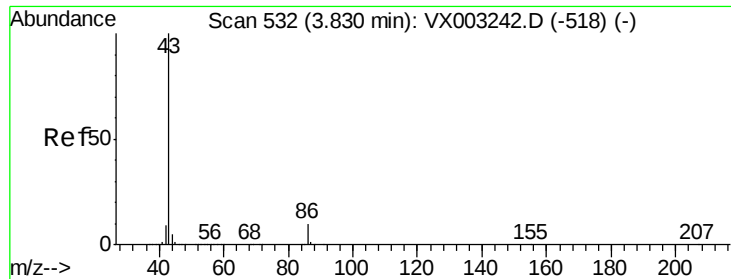
43 54.6 46.8 70.2

87 28.2 20.2 30.4

59 12.4 8.7 13.1

Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





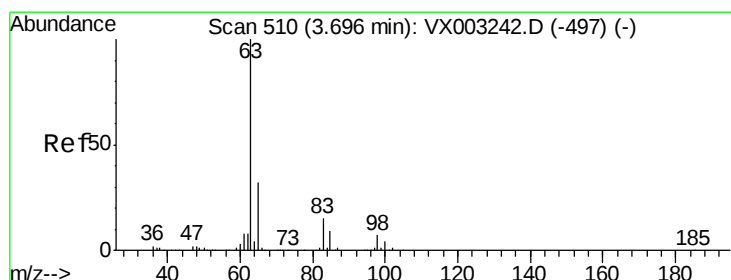
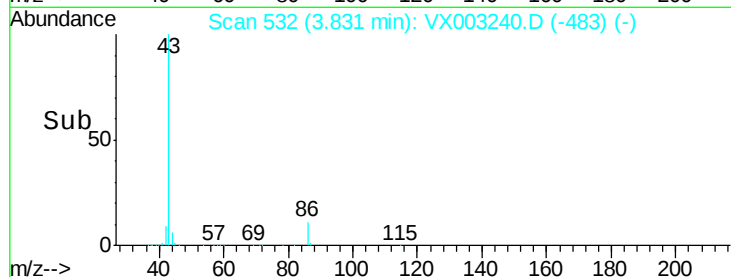
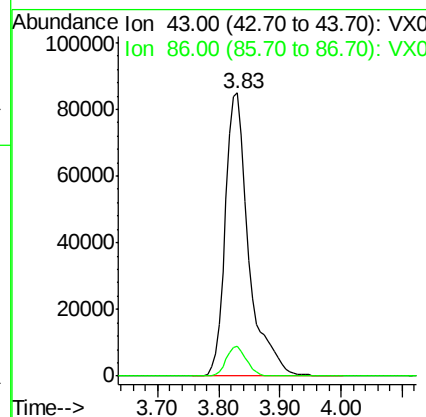
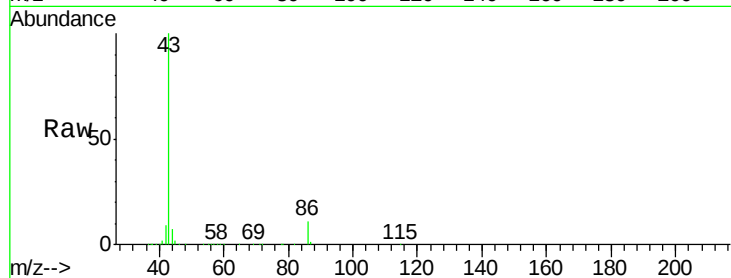
#23
 Vinyl Acetate
 Concen: 28.11 ug/l
 RT: 3.83 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VX003240.D
 Acq: 09 Jul 2018 11:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.7	7.4	11.0

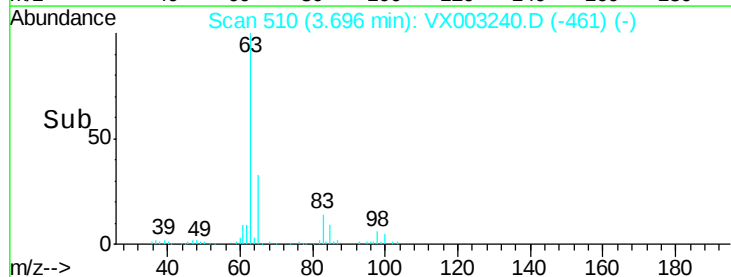
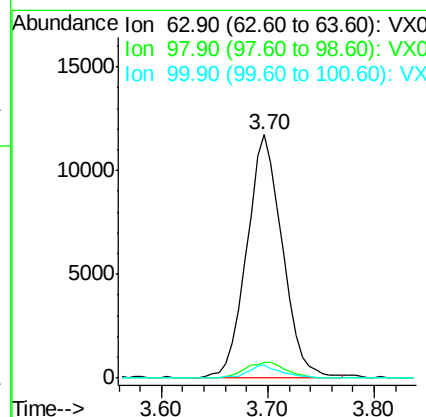
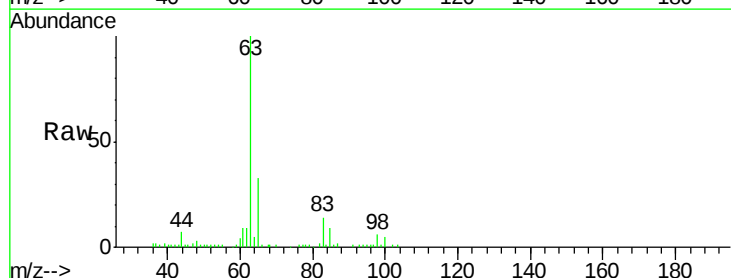
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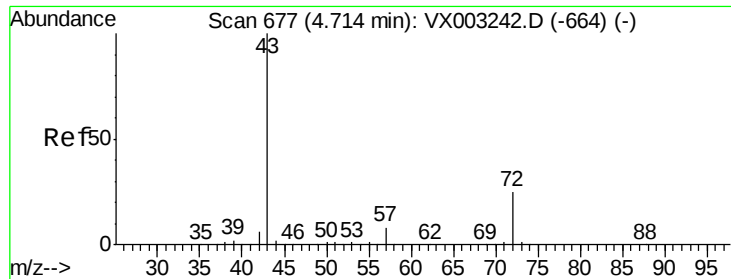
MMDadoda
 7/10/2018 3:11:43 PM



#24
 1,1-Dichloroethane
 Concen: 5.37 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VX003240.D
 Acq: 09 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.4	10.2
100	5.3	2.0	6.0





#25

2-Butanone

Concen: 28.69 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

Tot Ion: 43 Resp: 61927

Ion Ratio Lower Upper

43 100

72 26.1 18.5 27.7

Instrument :

MSVOA_X

ClientSampleId :

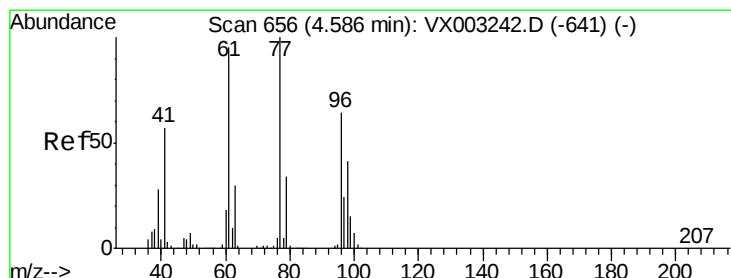
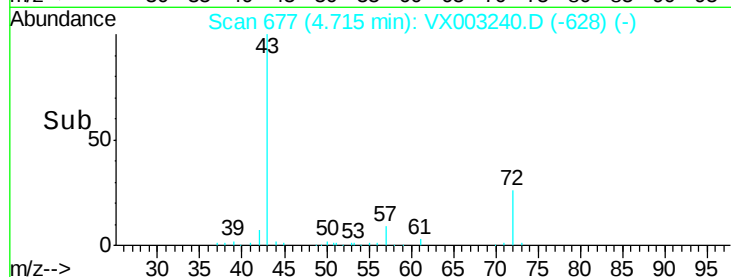
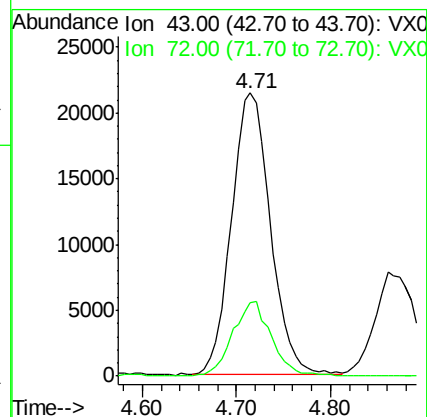
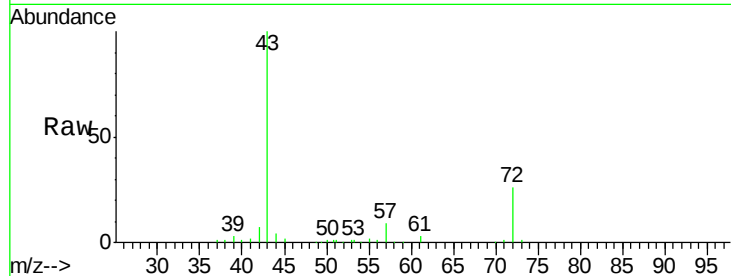
VSTDIC005

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.65 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003240.D

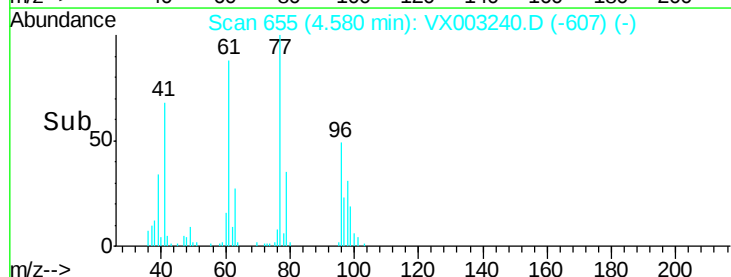
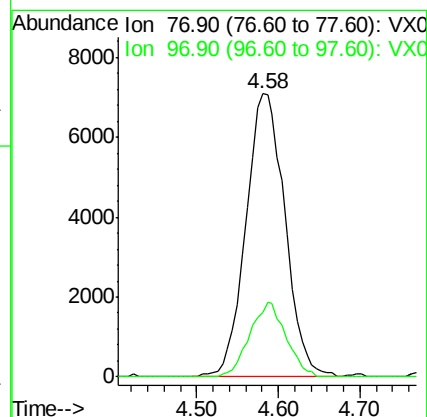
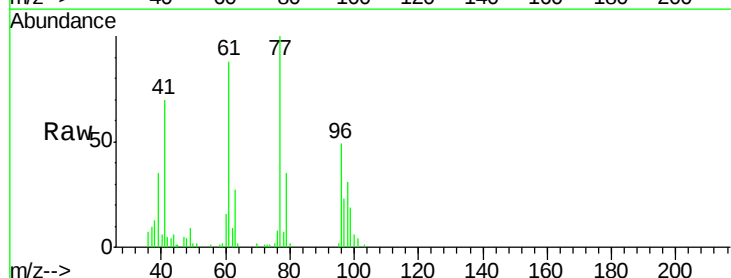
Acq: 09 Jul 2018 11:49

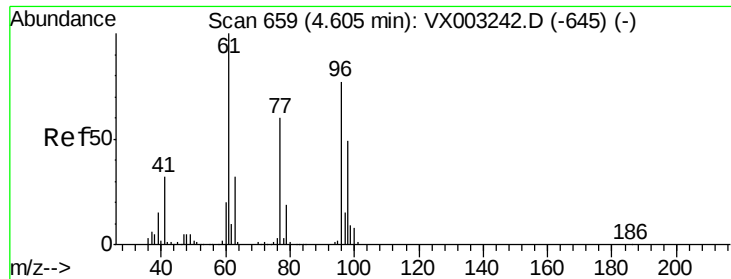
Tgt Ion: 77 Resp: 23582

Ion Ratio Lower Upper

77 100

97 24.5 11.2 33.5





#27

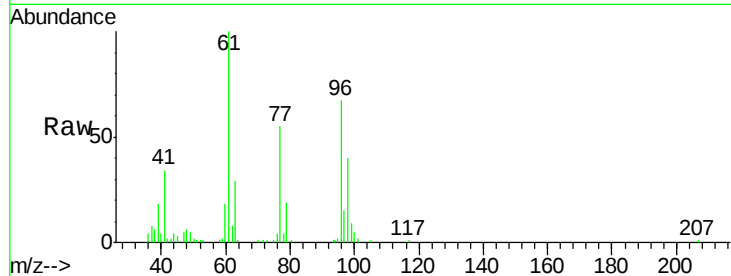
cis-1,2-Dichloroethene
Concen: 5.95 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

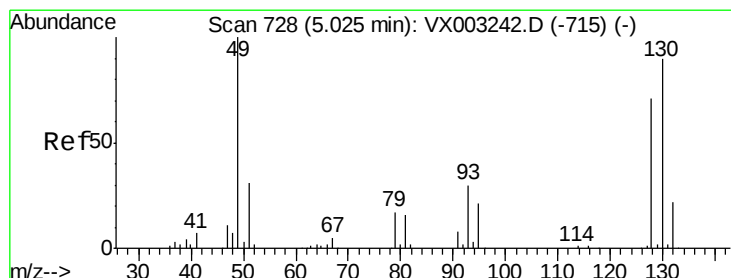
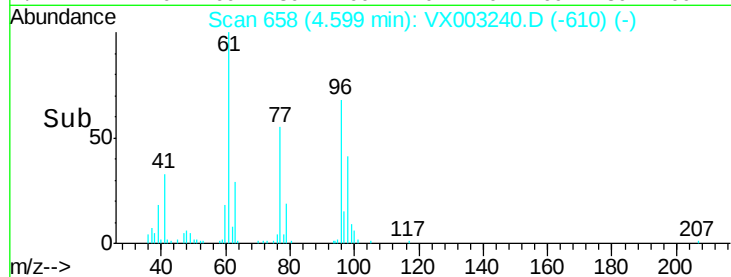
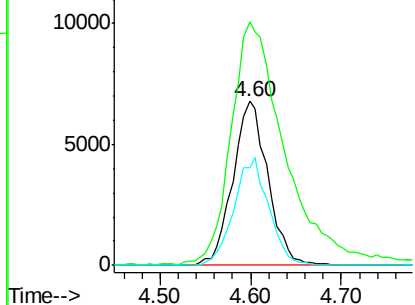
Tot Ion	Ratio	Lower	Upper
96	100		
61	226.3	0.0	330.2
98	65.1	0.0	130.2

Manual Integrations
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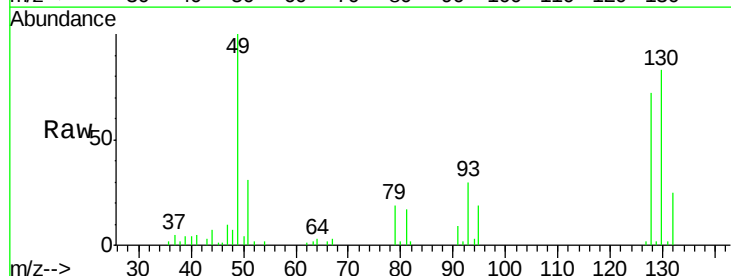
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



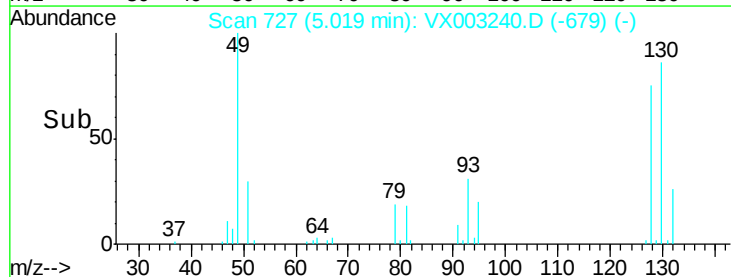
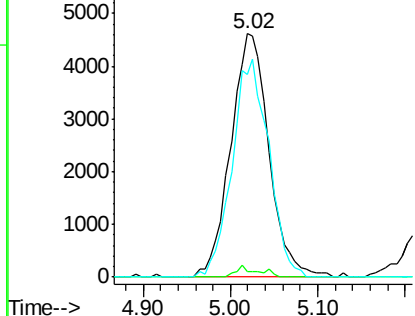
#28

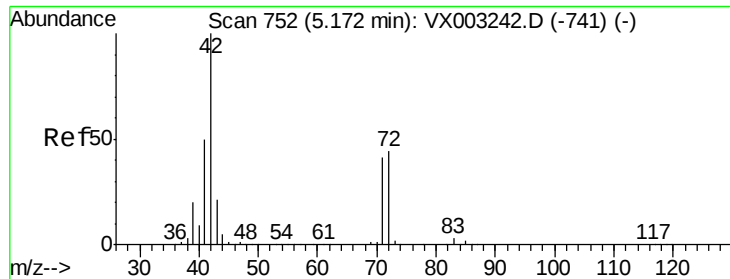
Bromochloromethane
Concen: 5.69 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.2
130	86.0	61.2	91.8



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





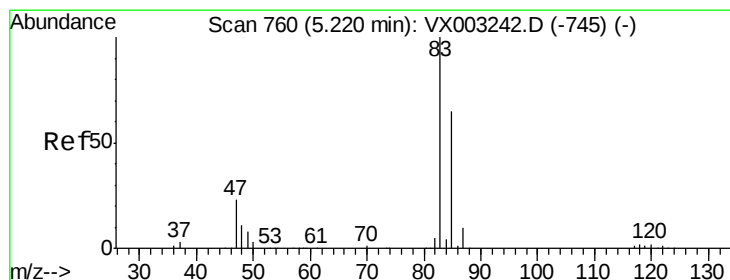
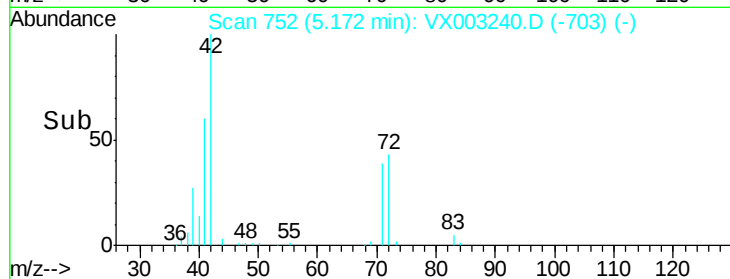
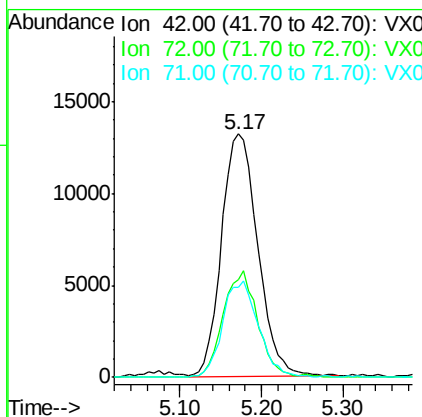
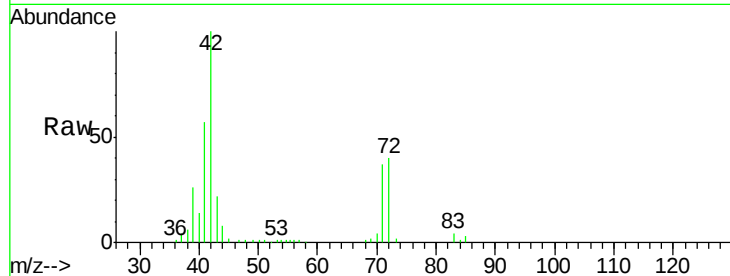
#29
Tetrahydrofuran
Concen: 29.39 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	32.0	48.0
71	39.4	30.1	45.1

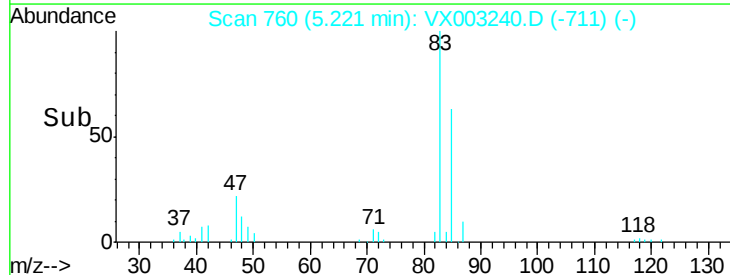
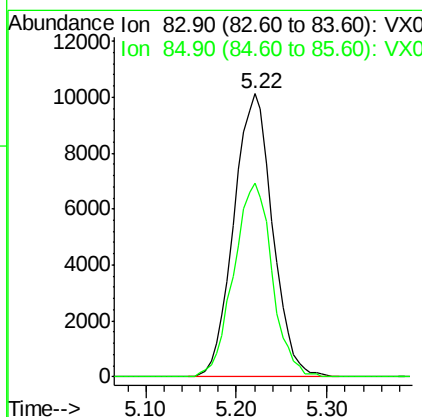
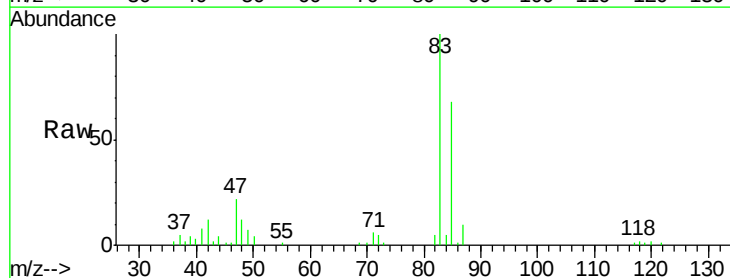
Manual Integrations
APPROVED

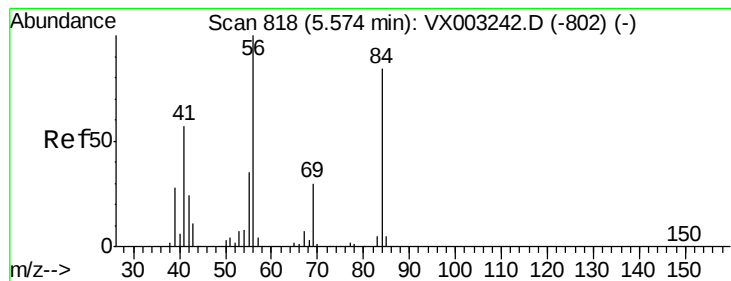
MMDadoda
7/10/2018 3:11:43 PM



#30
Chloroform
Concen: 5.68 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.3	50.4	75.6





#31

Cyclohexane

Concen: 5.51 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

Instrument :

MSVOA_X

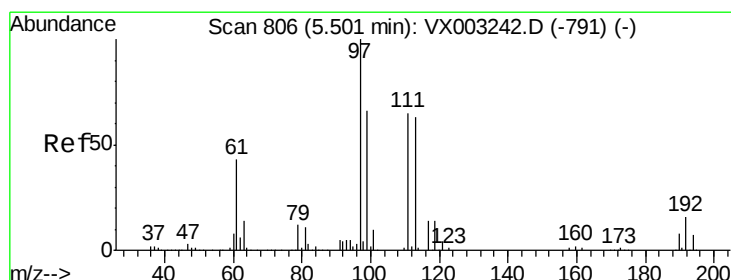
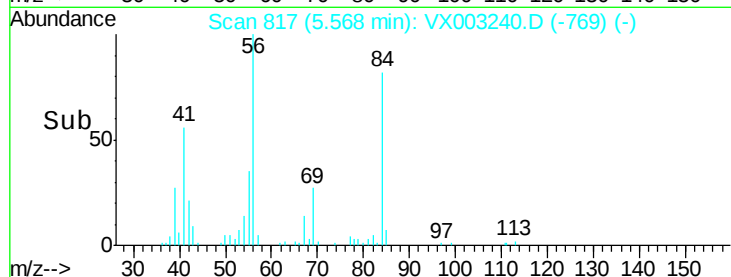
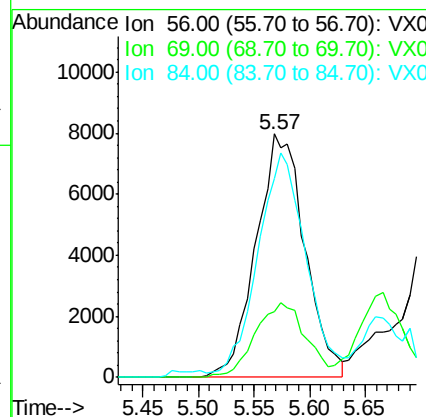
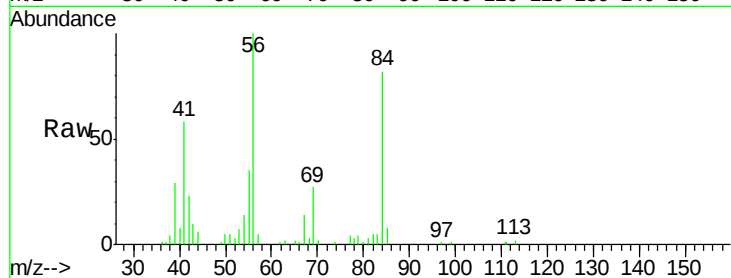
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	24279
Ion	Ratio	Lower	Upper
56	100		
69	26.8	23.7	35.5
84	79.8	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 5.55 ug/l

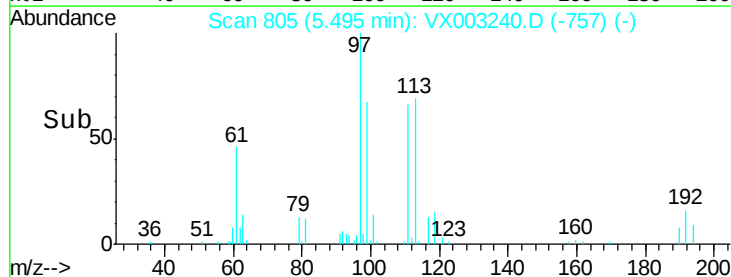
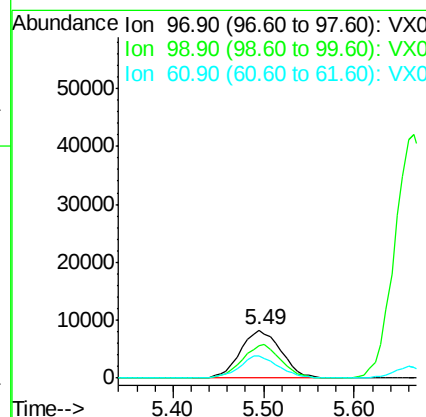
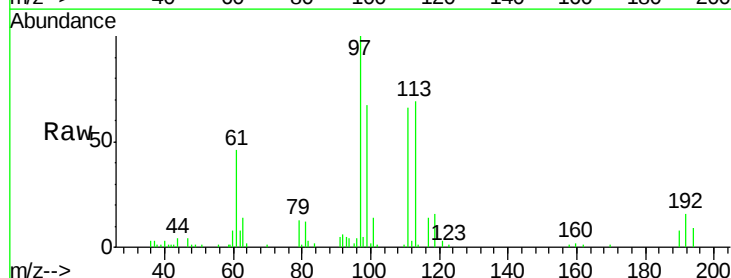
RT: 5.49 min Scan# 805

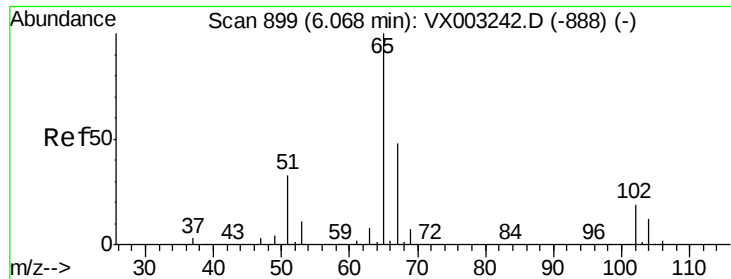
Delta R.T. -0.01 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

Tgt Ion:	97	Resp:	25730
Ion	Ratio	Lower	Upper
97	100		
99	66.8	51.6	77.4
61	44.4	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 6.37 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

Tot Ion: 65 Resp: 22388

Ion Ratio Lower Upper

65 100

67 53.0 0.0 102.6

Instrument :

MSVOA_X

ClientSampleId :

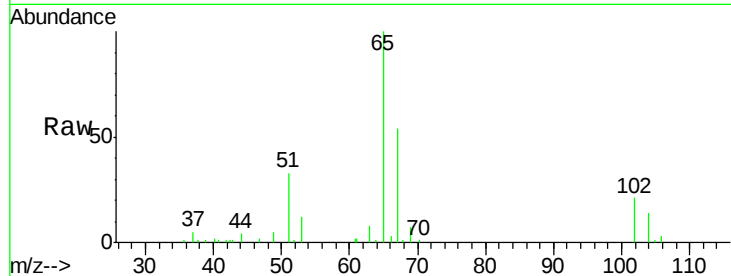
VSTDIC005

Manual Integrations

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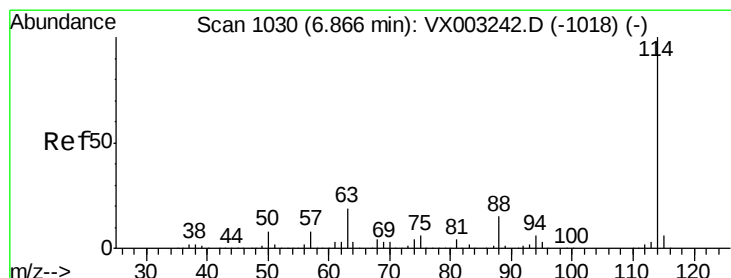
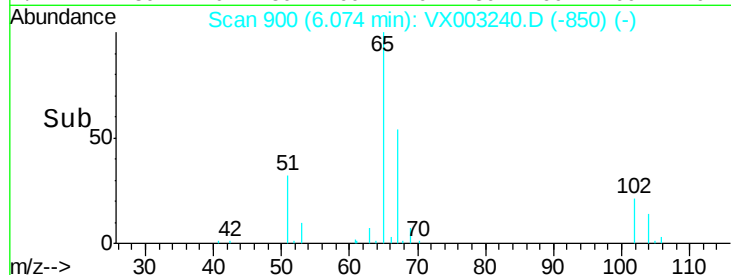
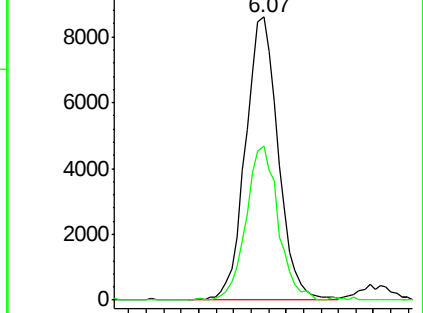
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

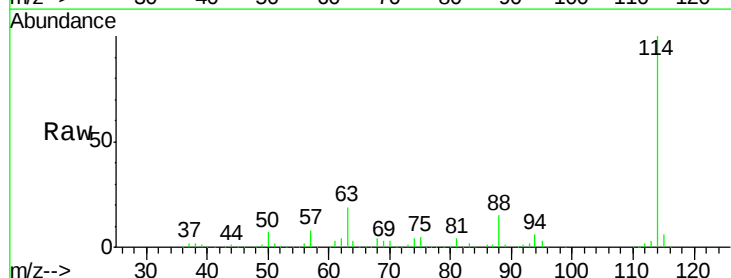
Tgt Ion: 114 Resp: 316972

Ion Ratio Lower Upper

114 100

63 18.9 0.0 41.4

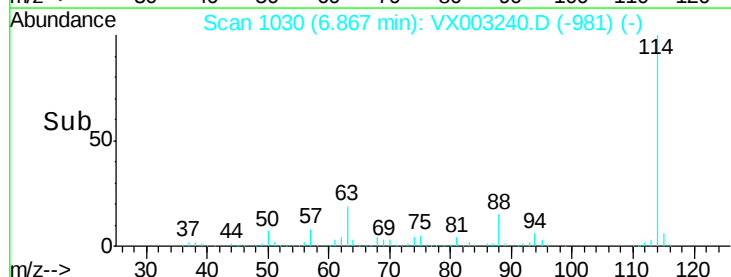
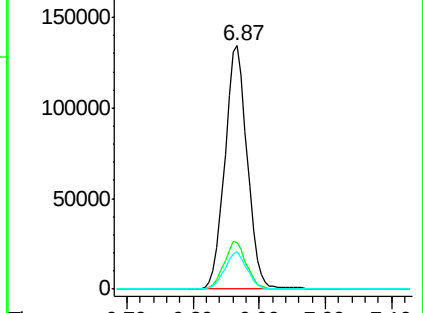
88 15.3 0.0 30.0

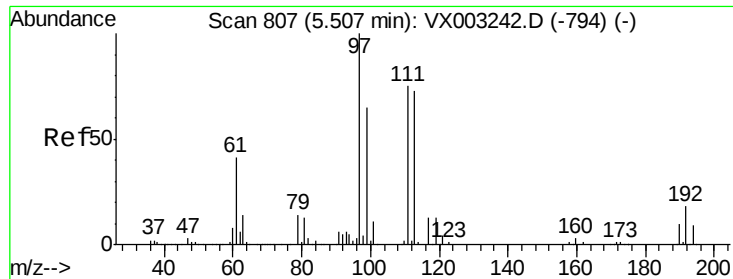


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





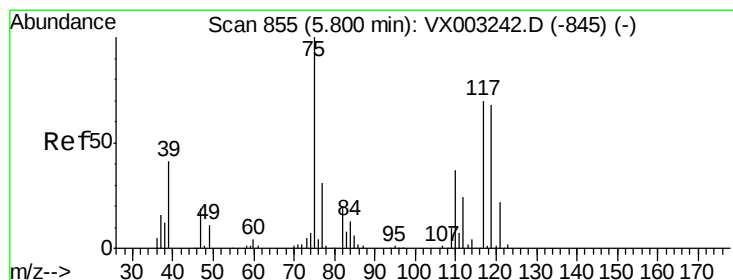
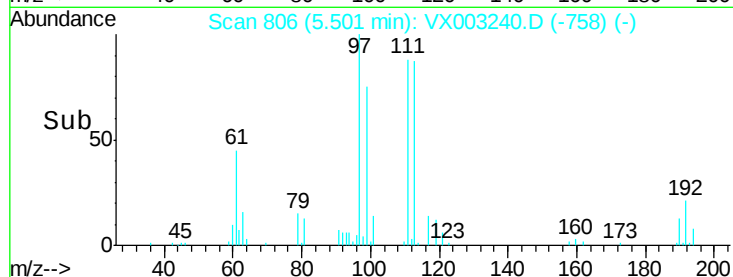
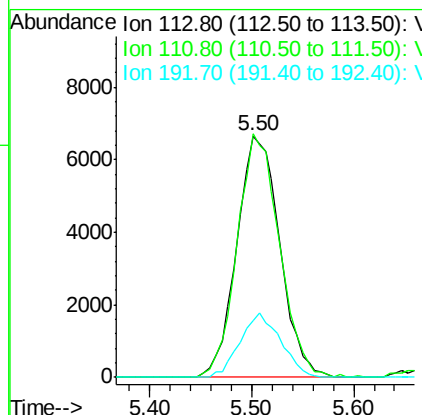
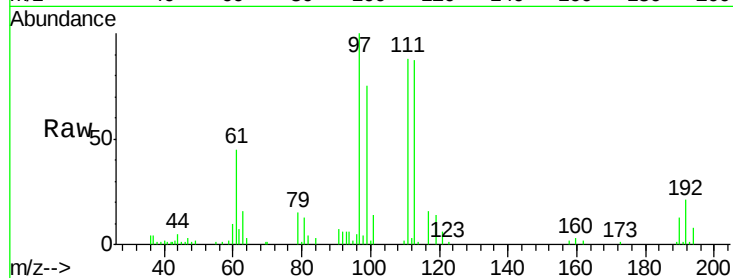
#35
 Dibromofluoromethane
 Concen: 7.74 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX003240.D
 Acq: 09 Jul 2018 11:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	98.9	81.4	122.0
192	25.1	19.1	28.7

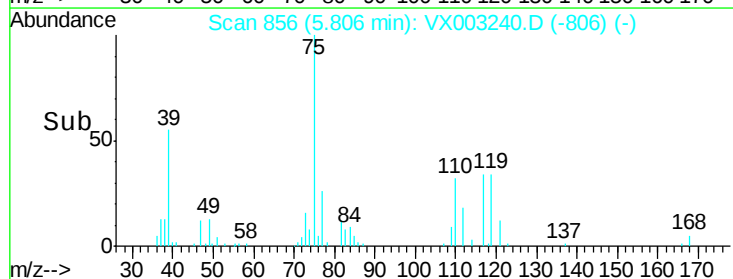
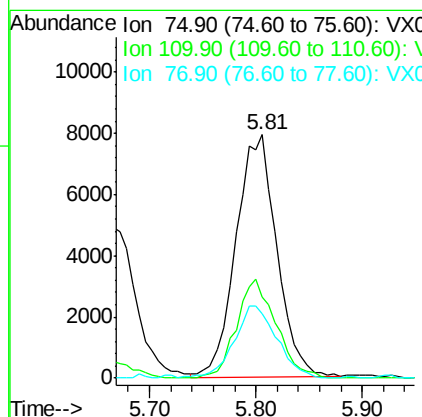
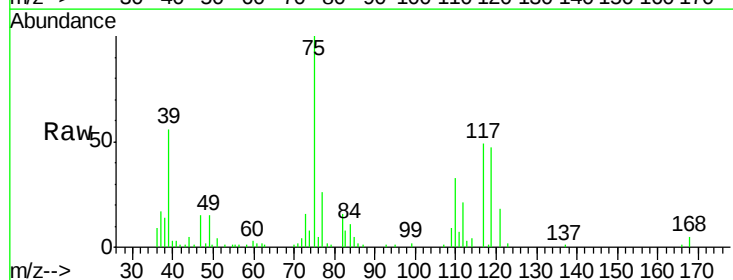
Manual Integrations
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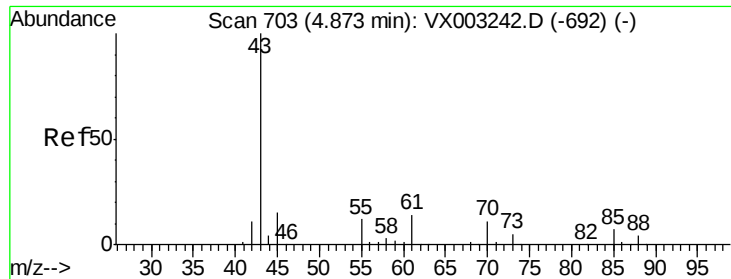
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 6.12 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VX003240.D
 Acq: 09 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.6	18.1	54.4
77	31.3	24.3	36.5





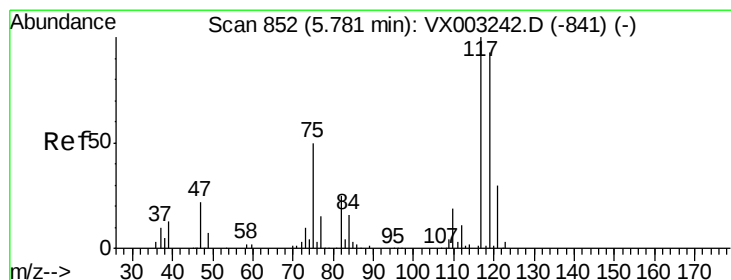
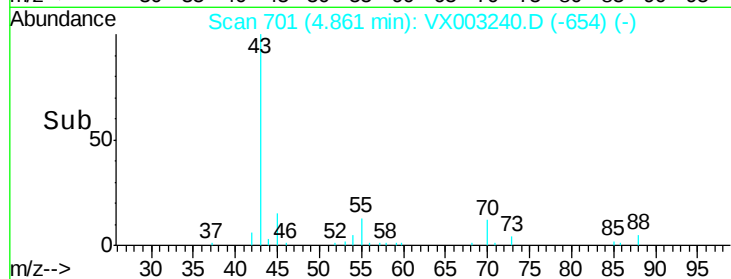
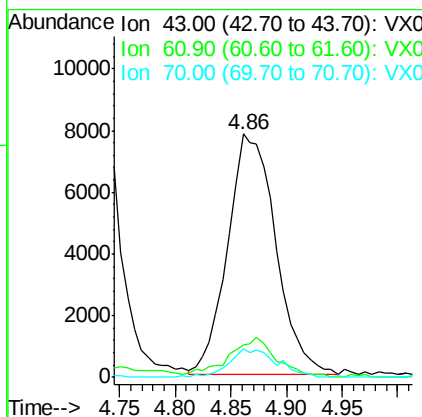
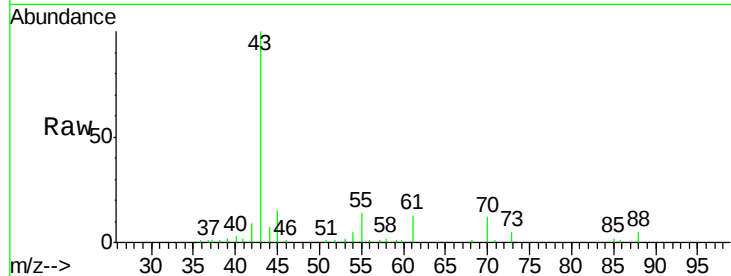
#37
Ethyl Acetate
Concen: 6.25 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.8	10.4	15.6#
70	11.9	7.6	11.4#

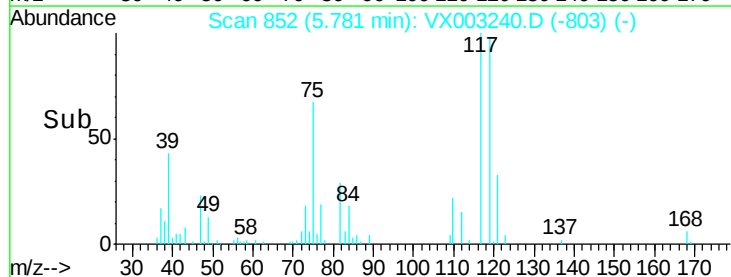
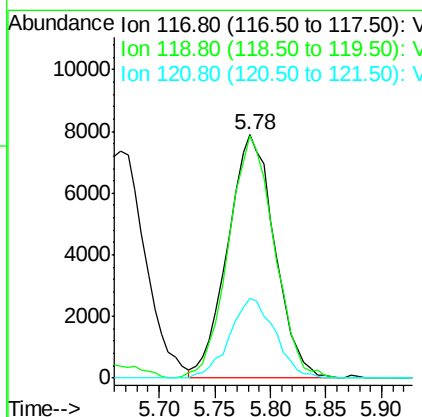
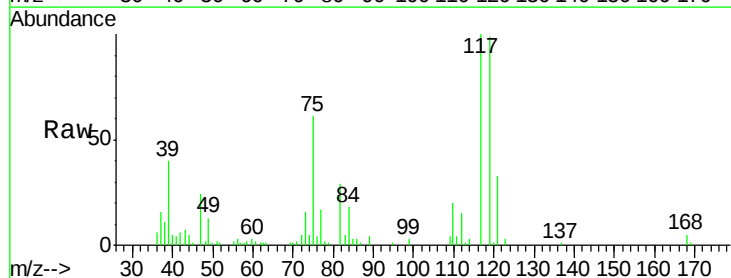
Manual Integrations
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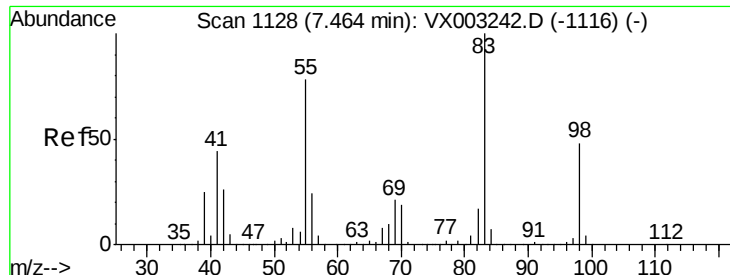
MMDadoda
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#38
Carbon Tetrachloride
Concen: 6.06 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.4	77.4	116.0
121	32.9	24.4	36.6





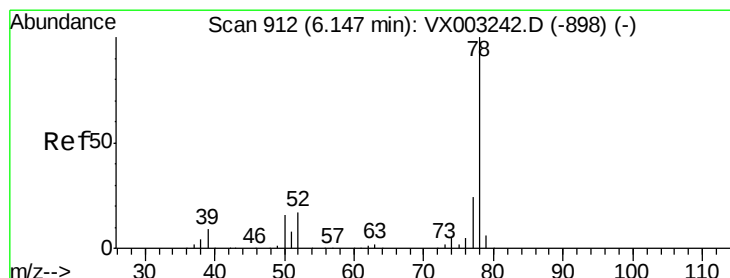
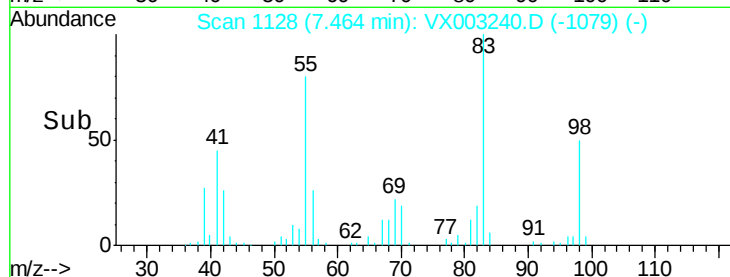
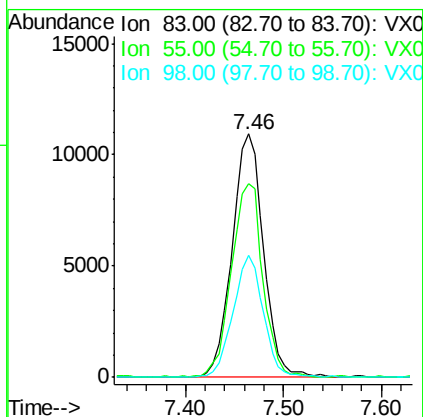
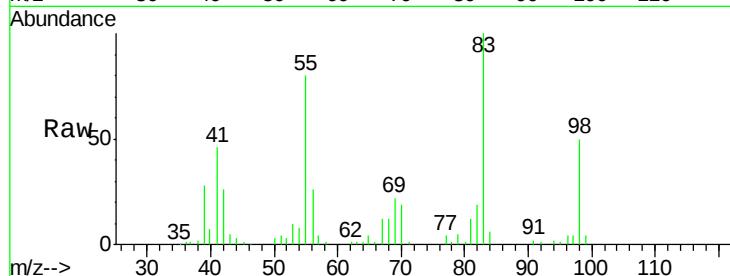
#39
Methylvlcyclohexane
Concen: 6.00 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.7	65.4	98.0
98	50.1	37.4	56.0

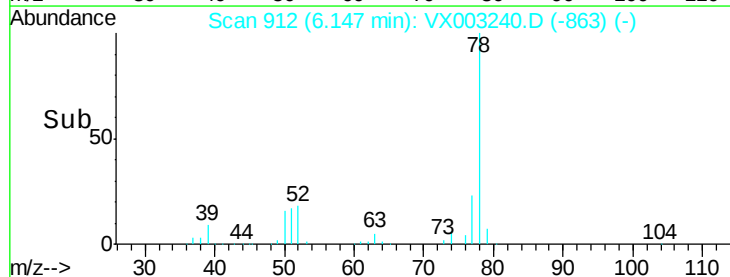
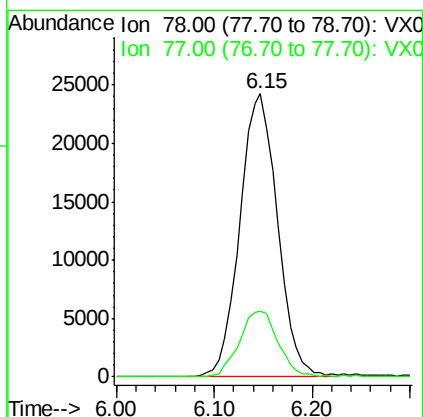
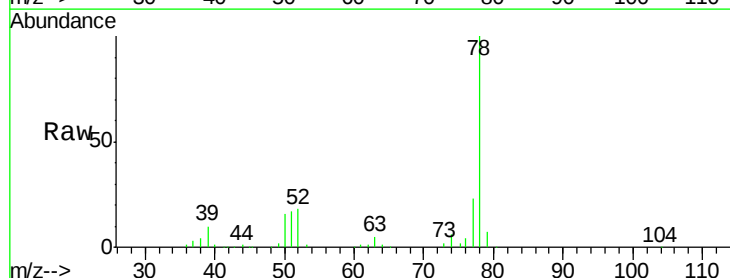
Manual Integrations
APPROVED

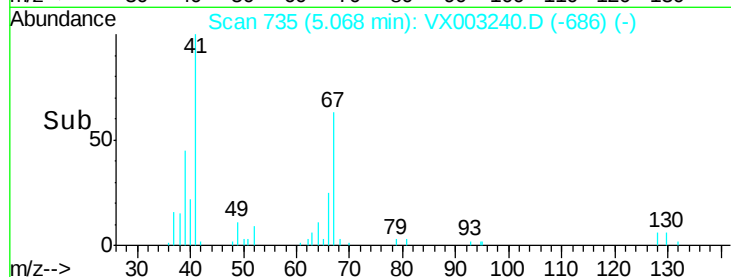
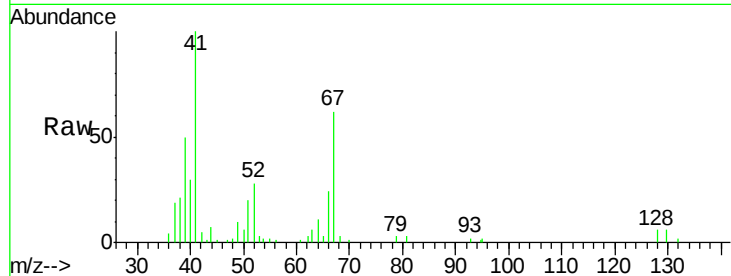
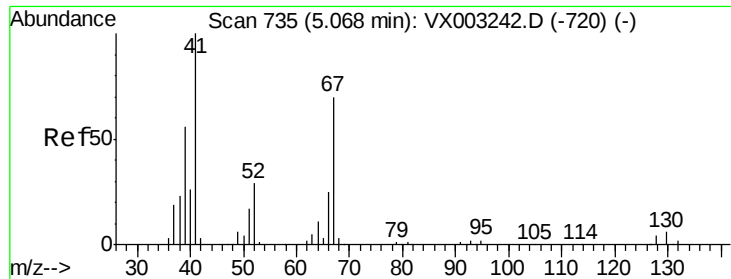
MMDadoda
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#40
Benzene
Concen: 6.41 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7





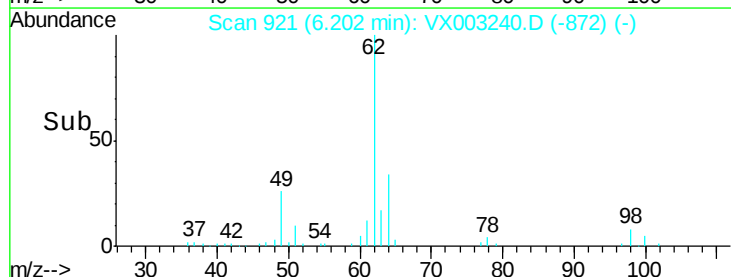
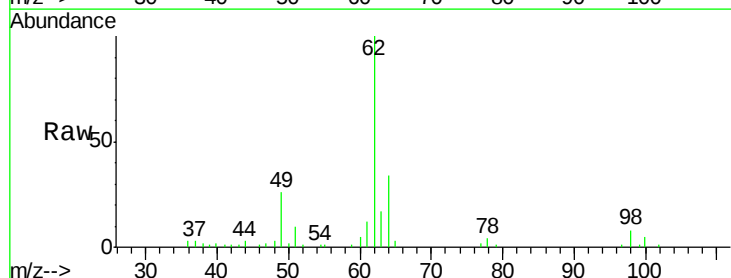
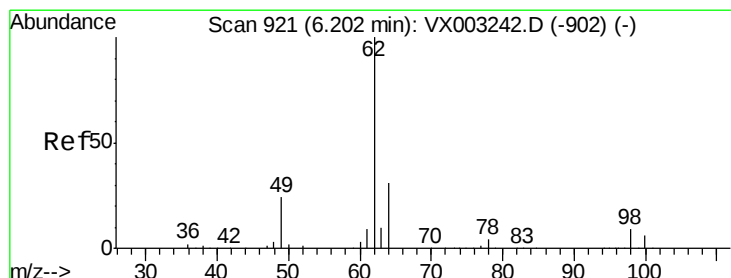
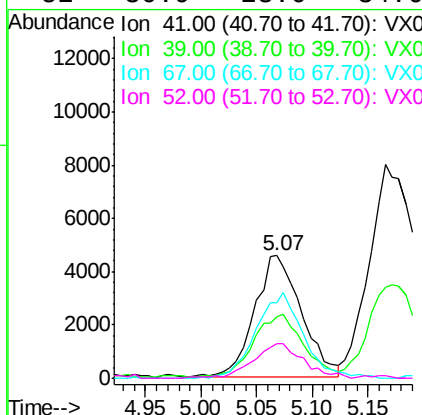
#41
Methacrylonitrile
Concen: 6.15 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		13260		
39	54.4	45.8	68.6		
67	71.6	51.3	76.9		
52	30.9	23.0	34.6		

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

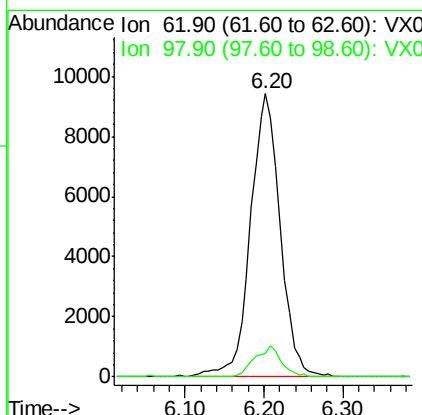
Manual Integrations
APPROVED

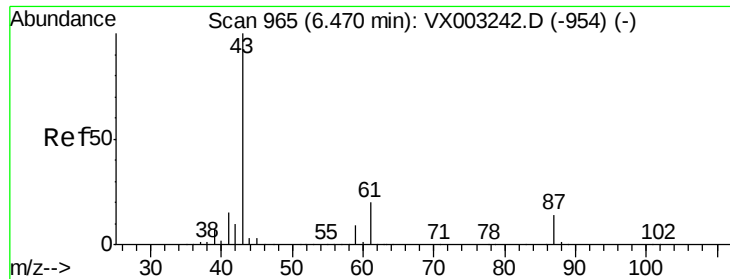
MMDadoda
7/10/2018 3:11:43 PM



#42
1,2-Dichloroethane
Concen: 6.04 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		24644		
98	9.9	0.0	16.6		





#43

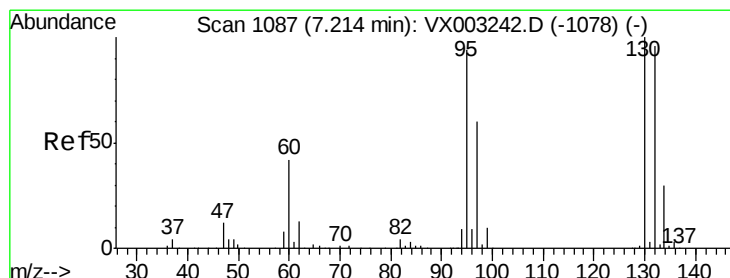
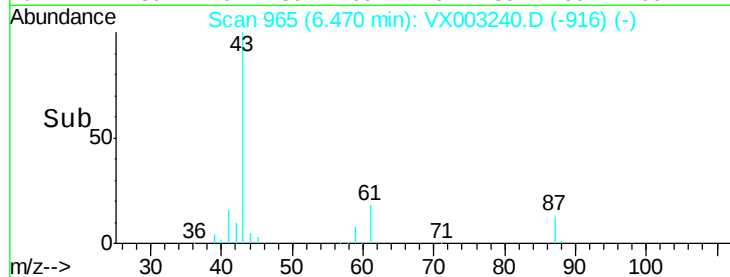
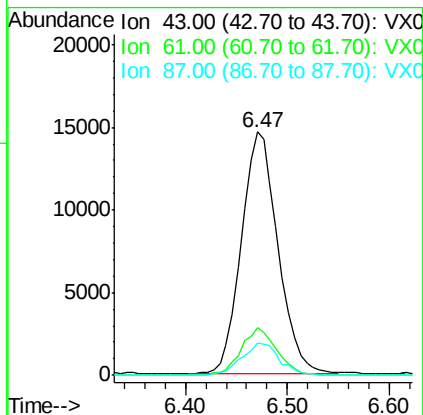
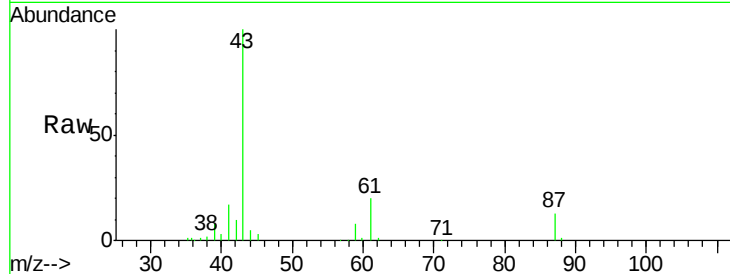
Isopropyl Acetate
 Concen: 5.80 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX003240.D
 Acq: 09 Jul 2018 11:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	14.4	21.6
87	13.9	9.5	14.3

Manual Integrations
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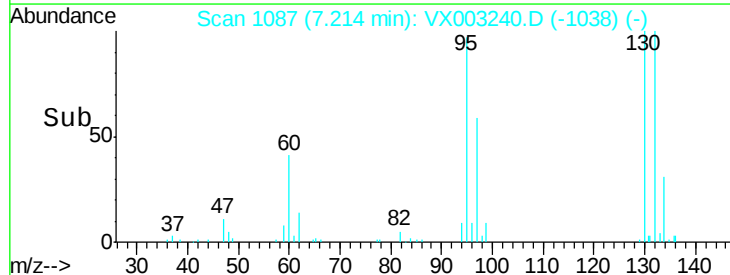
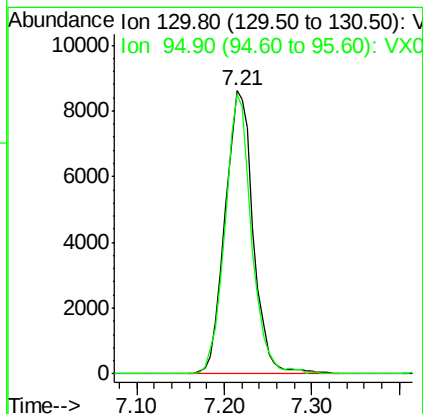
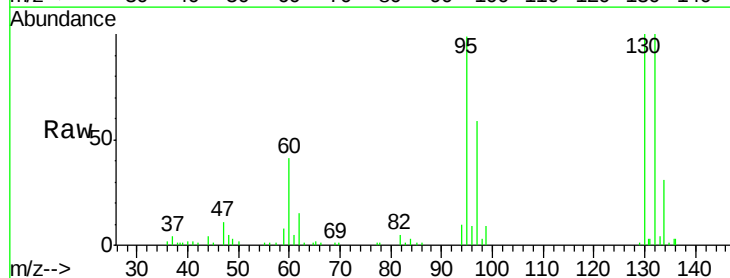
MMDadoda
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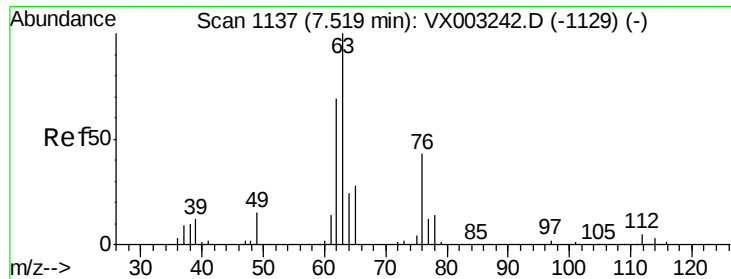


#44

Trichloroethene
 Concen: 6.39 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003240.D
 Acq: 09 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	185.4





#45

1,2-Dichloropropane

Concen: 6.26 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 16773

Ion Ratio Lower Upper

63 100

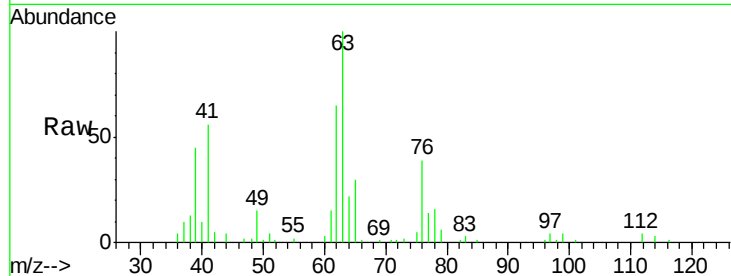
65 30.1 24.7 37.1

Manual Integrations

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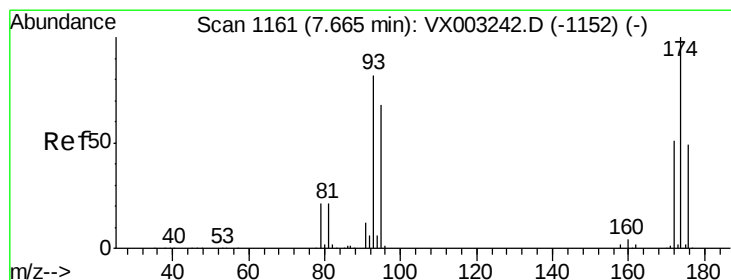
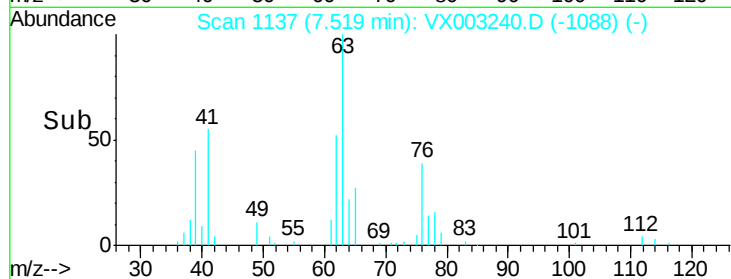
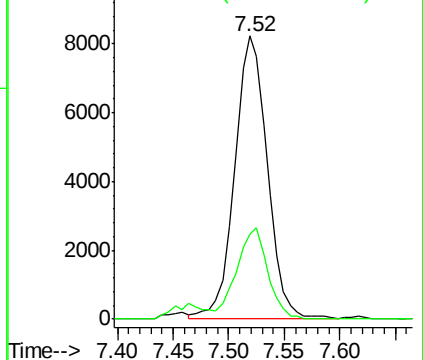
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 6.20 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

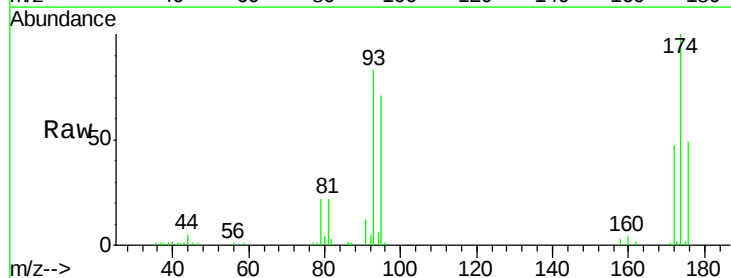
Tgt Ion: 93 Resp: 11523

Ion Ratio Lower Upper

93 100

95 82.8 65.9 98.9

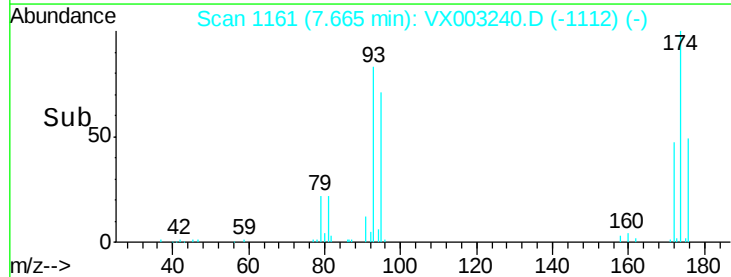
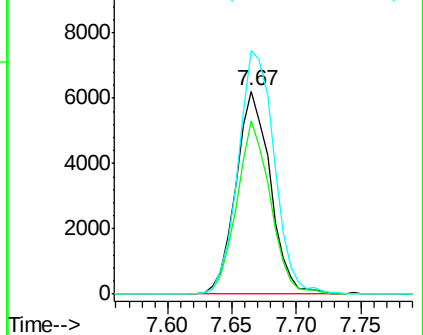
174 126.4 92.4 138.6

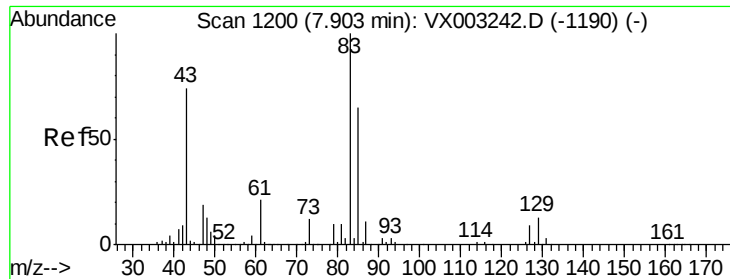


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 5.93 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

Instrument :

MSVOA_X

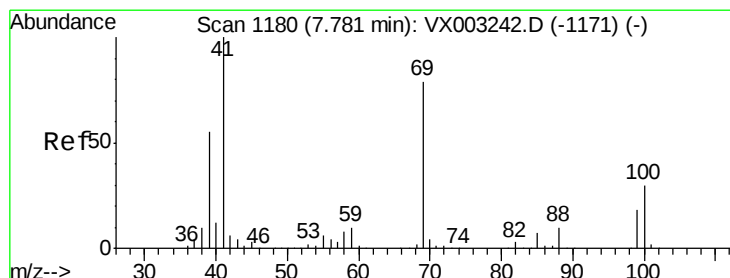
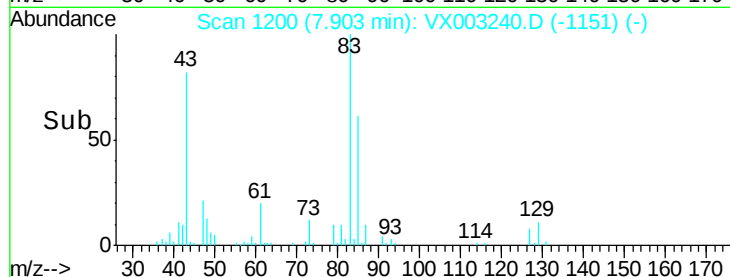
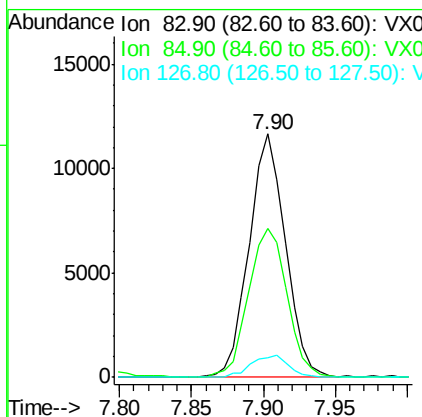
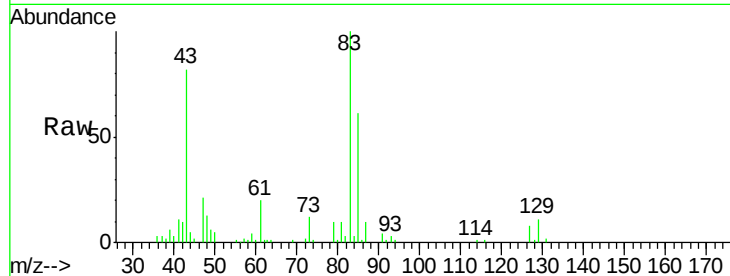
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	20393
Ion	Ratio	Lower	Upper
83	100		
85	61.4	50.3	75.5
127	7.9	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 5.58 ug/l

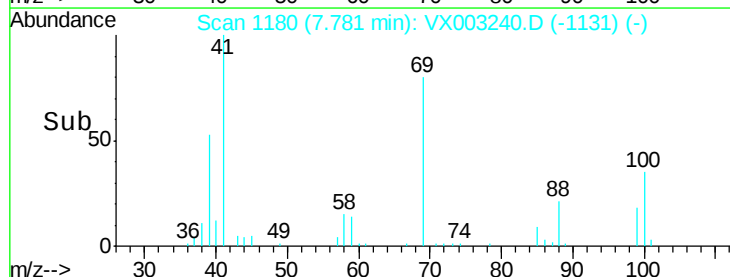
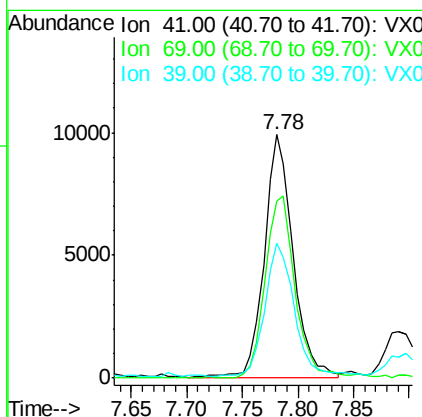
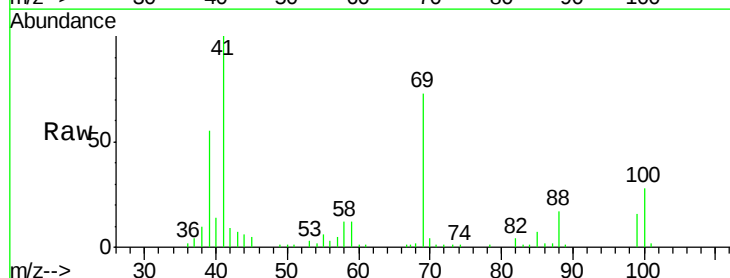
RT: 7.78 min Scan# 1180

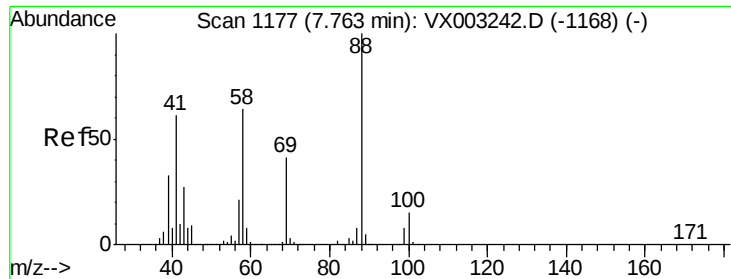
Delta R.T. 0.00 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

Tgt Ion:	41	Resp:	18043
Ion	Ratio	Lower	Upper
41	100		
69	77.1	59.1	88.7
39	56.6	48.9	73.3





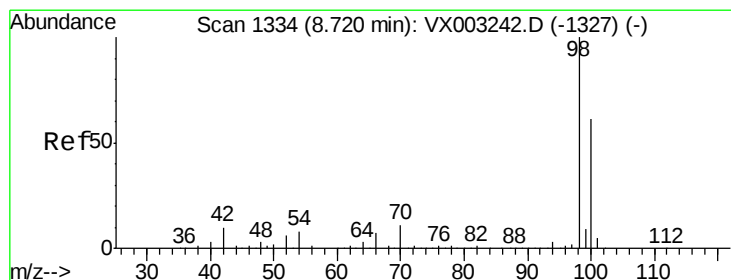
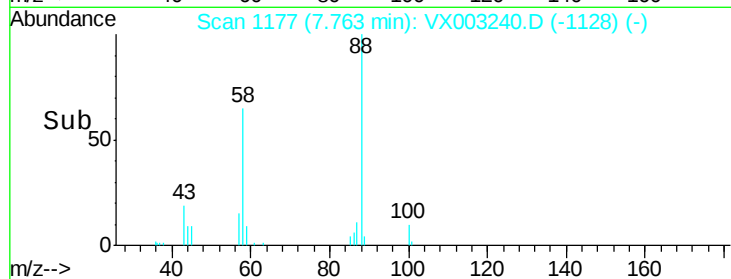
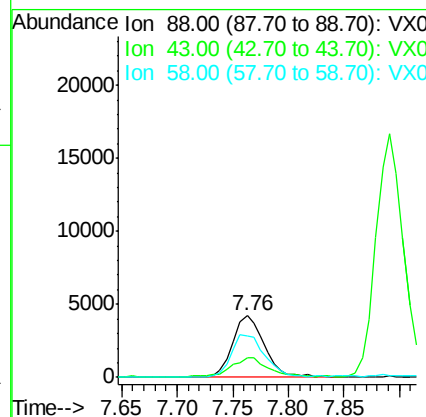
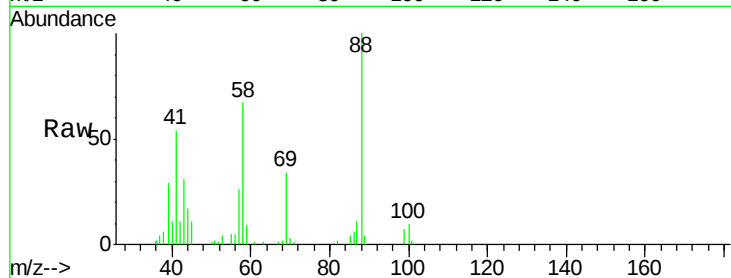
#49
 1,4-Dioxane
 Concen: 133.75 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VX003240.D
 Acq: 09 Jul 2018 11:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.6	29.8	44.6
58	72.9	57.1	85.7

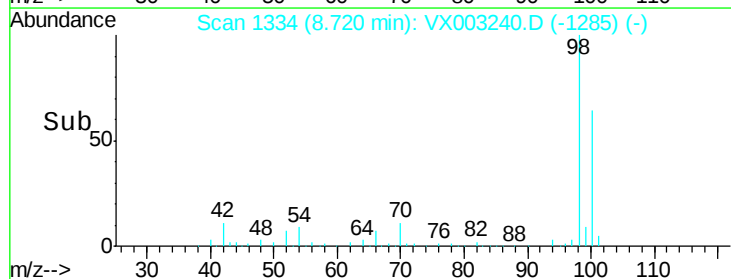
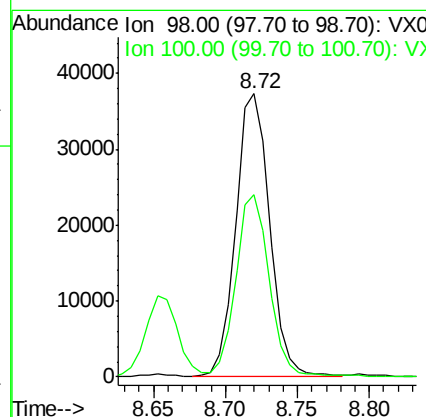
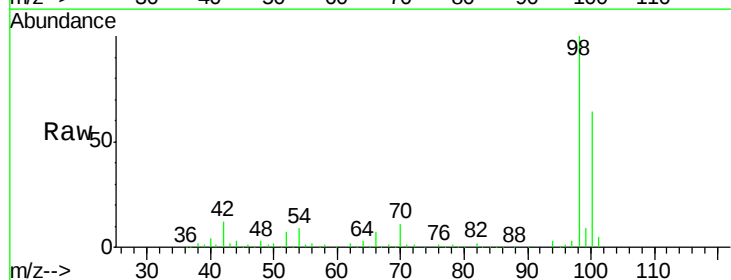
Manual Integrations
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#50
 Toluene-d8
 Concen: 6.65 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003240.D
 Acq: 09 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	50.9	76.3





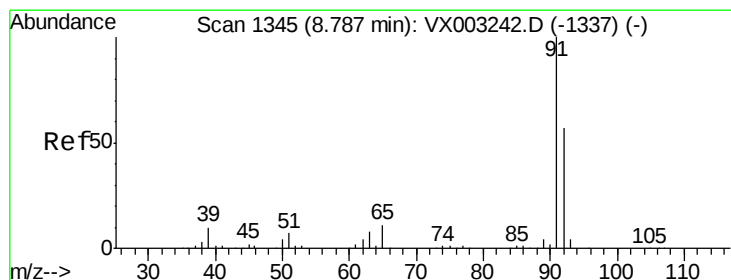
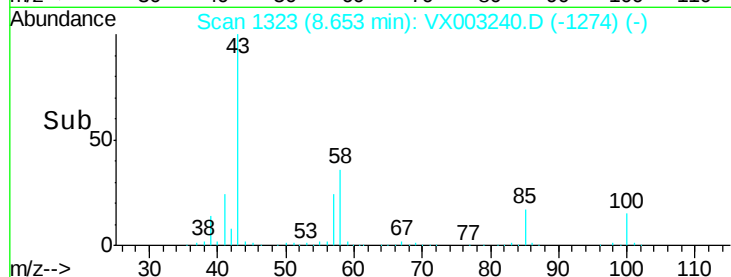
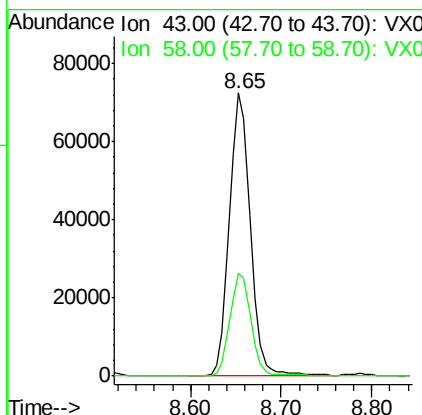
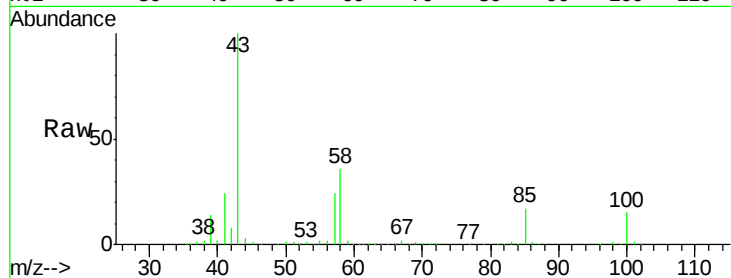
#51
4-Methyl-2-Pentanone
Concen: 29.66 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	43	58	Resp	Lower	Upper
116493	100	36.3		28.6	42.8

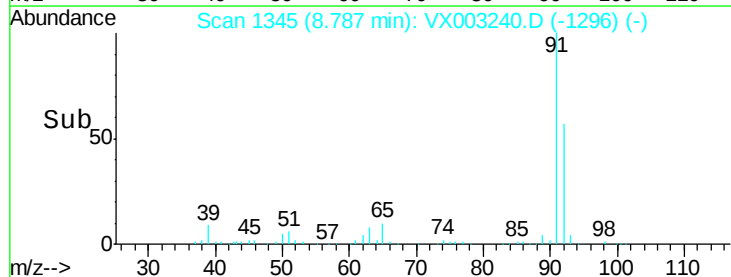
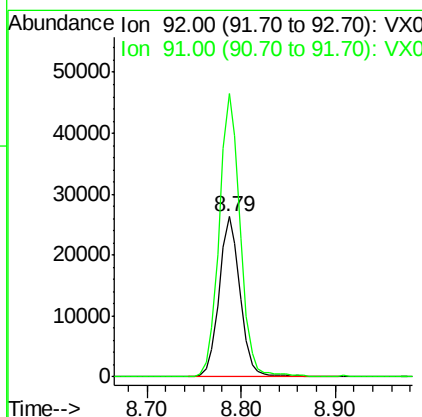
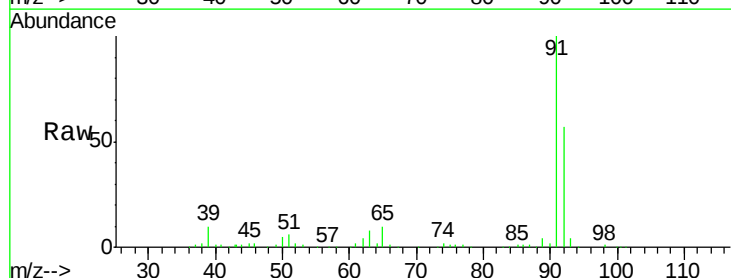
Manual Integrations
APPROVED

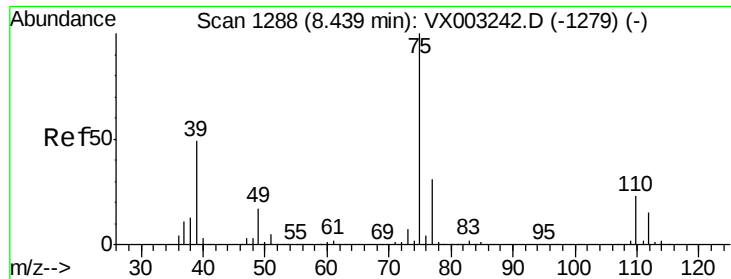
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#52
Toluene
Concen: 6.30 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Tgt Ion	92	91	Resp	Lower	Upper
40735	100	176.5		140.4	210.6





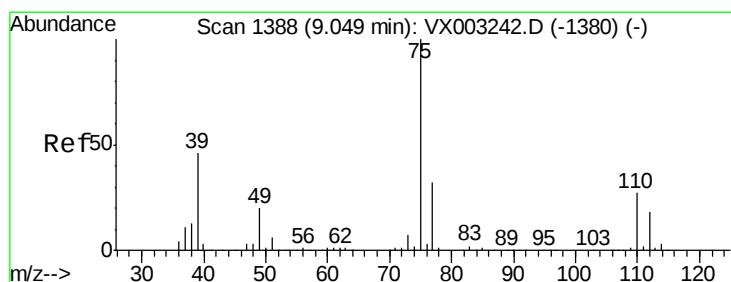
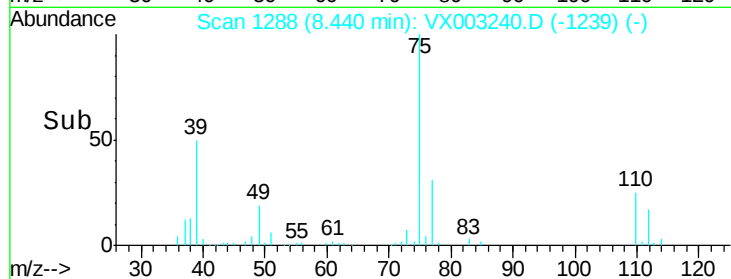
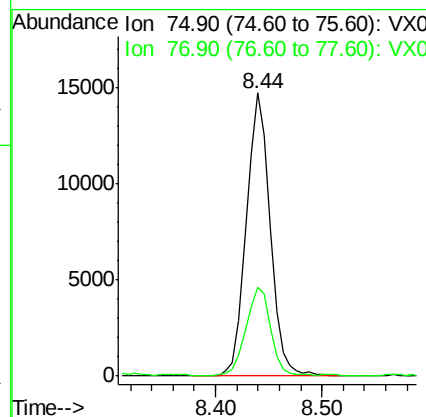
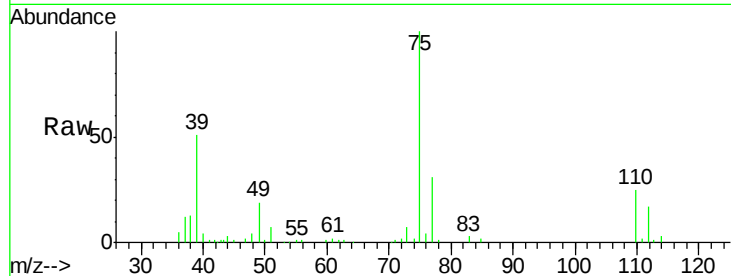
#53
t-1,3-Dichloropropene
Concen: 5.96 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 23200
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.2

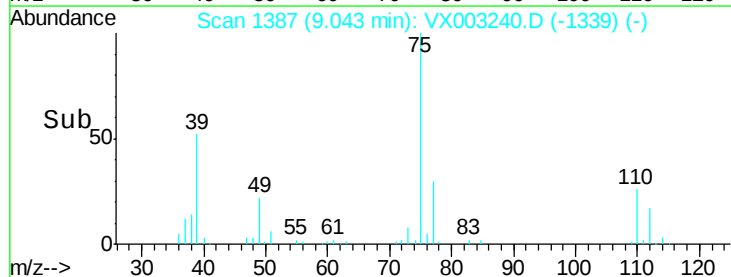
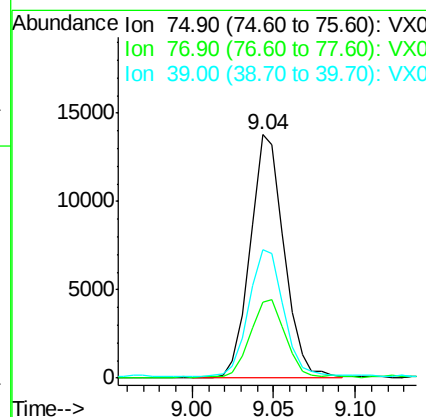
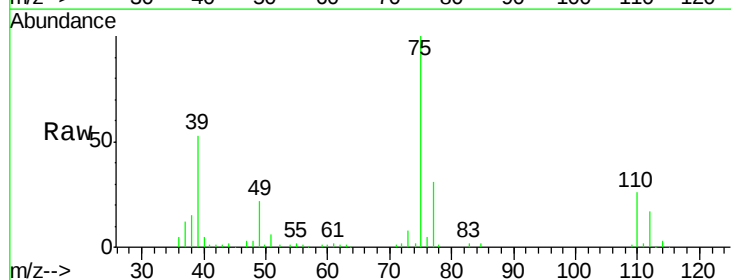
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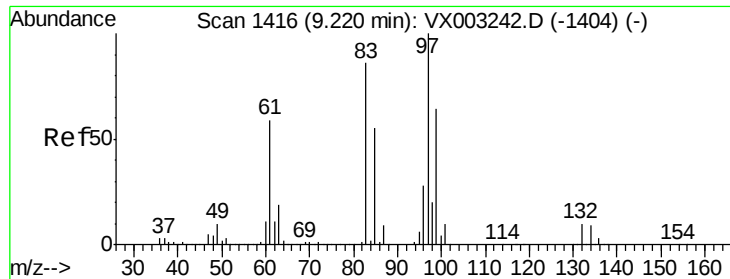
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 5.34 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Tgt Ion: 75 Resp: 20003
Ion Ratio Lower Upper
75 100
77 31.2 24.8 37.2
39 52.0 42.4 63.6





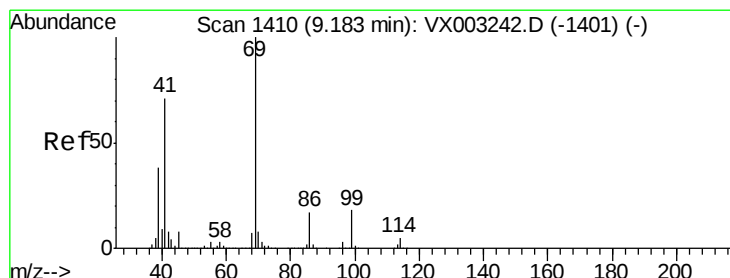
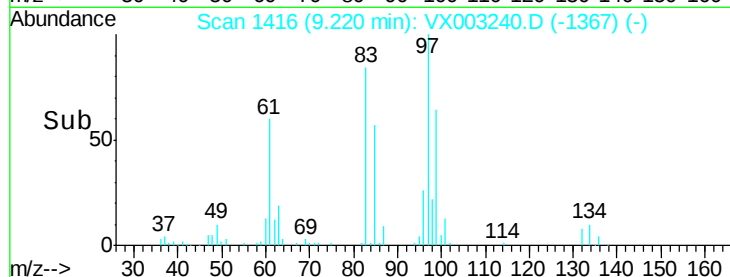
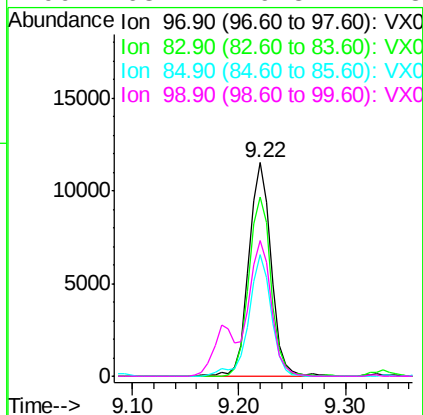
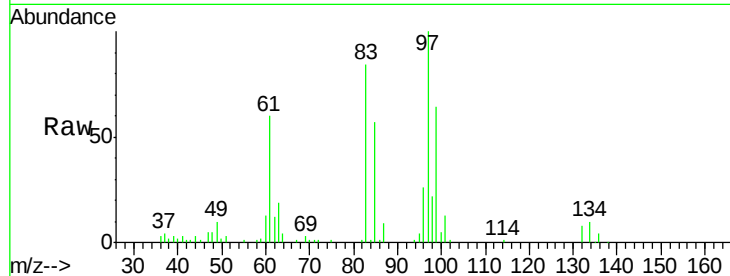
#55
 1,1,2-Trichloroethane
 Concen: 6.41 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003240.D
 Acq: 09 Jul 2018 11:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	17051
Ion	Ratio	Lower	Upper
97	100		
83	84.2	70.2	105.2
85	56.8	44.9	67.3
99	63.7	49.8	74.8

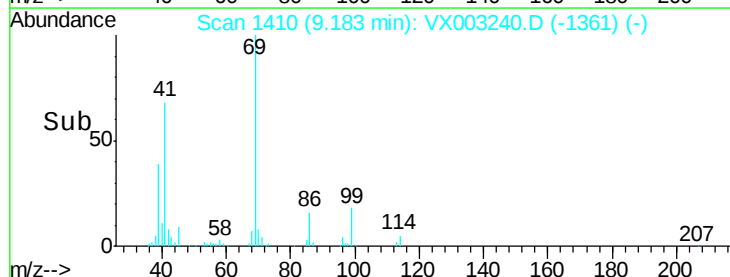
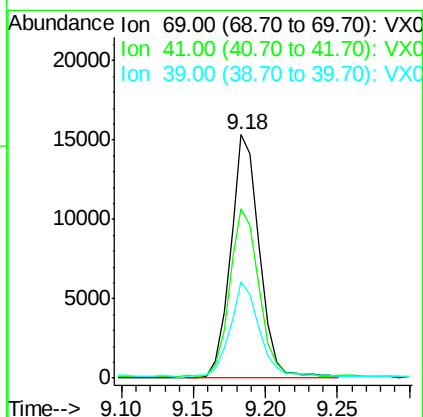
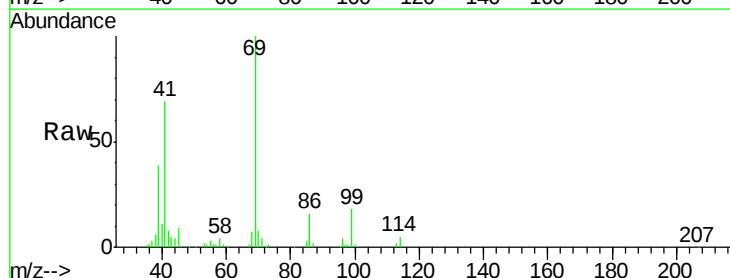
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 5.56 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003240.D
 Acq: 09 Jul 2018 11:49

Tgt Ion:	69	Resp:	21591
Ion	Ratio	Lower	Upper
69	100		
41	69.8	60.3	90.5
39	40.2	35.8	53.8





#57

1,3-Dichloropropane

Concen: 6.37 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 27813

Ion Ratio Lower Upper

76 100

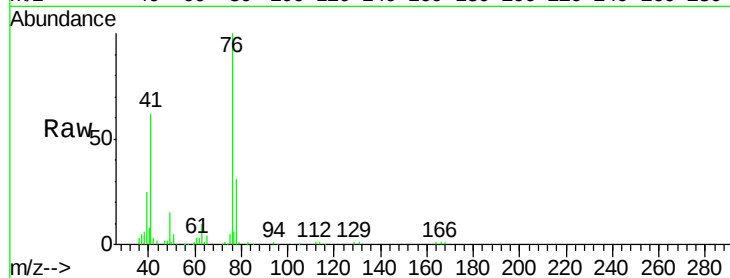
78 31.9 25.8 38.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

20000

15000

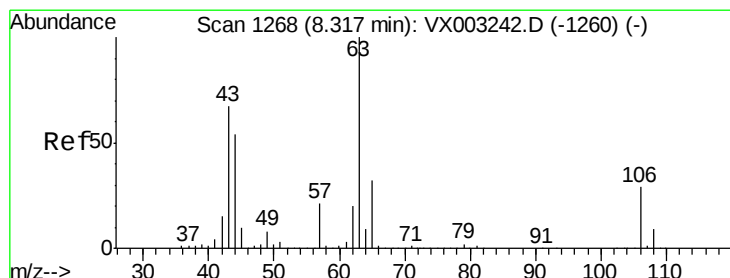
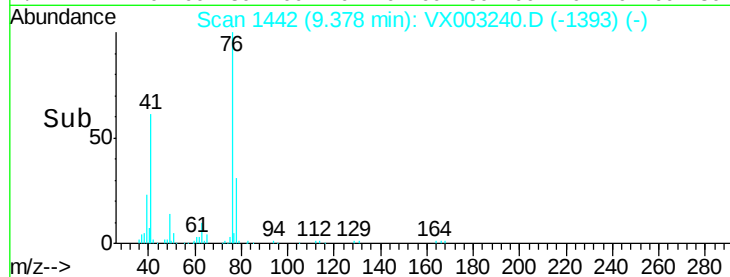
10000

5000

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 29.43 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003240.D

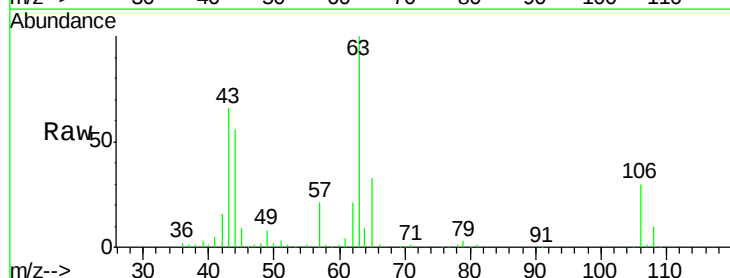
Acq: 09 Jul 2018 11:49

Tgt Ion: 63 Resp: 55169

Ion Ratio Lower Upper

63 100

106 28.6 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

40000

30000

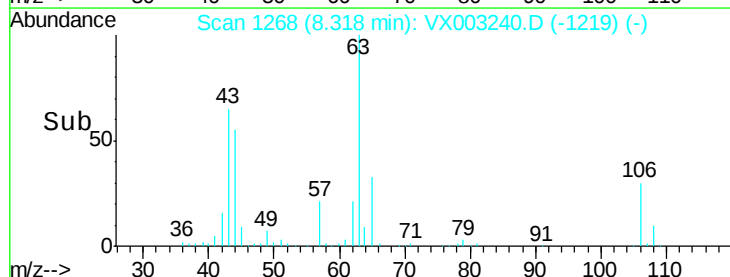
20000

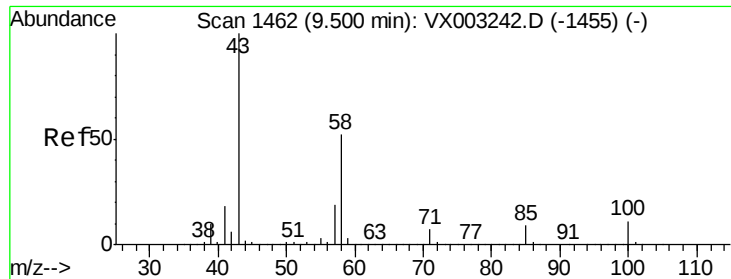
10000

0

8.20 8.25 8.30 8.35 8.40

Time-->





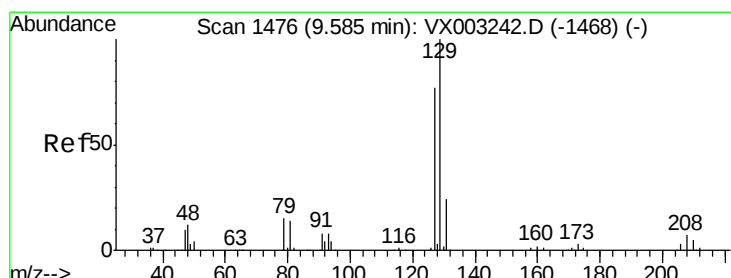
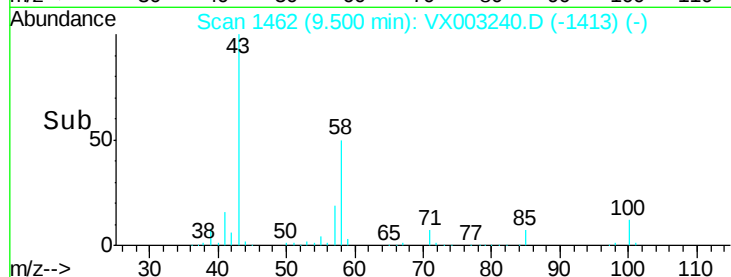
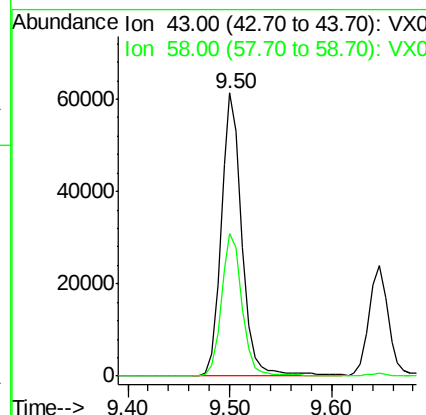
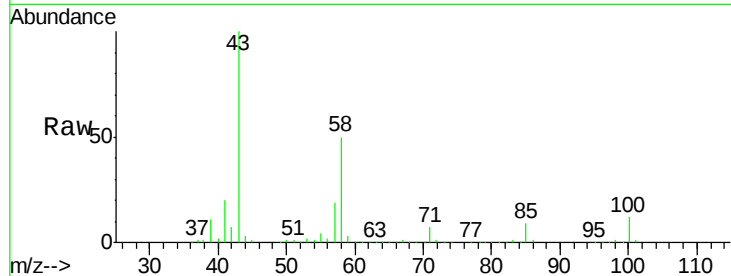
#59
2-Hexanone
Concen: 29.05 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 86700
Ion Ratio Lower Upper
43 100
58 50.9 24.6 73.6

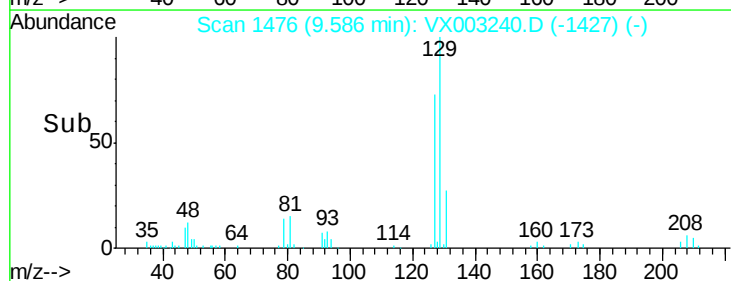
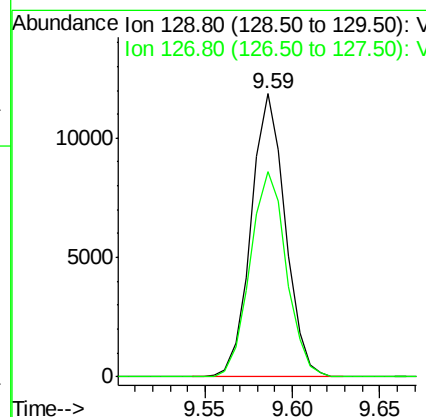
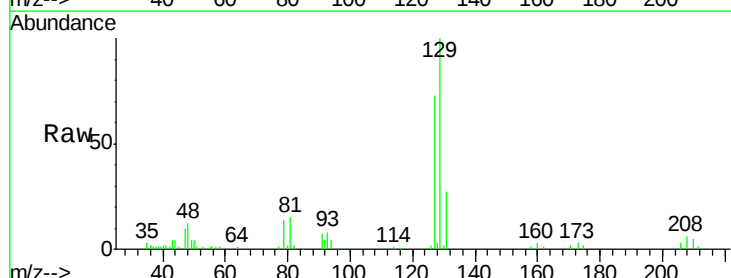
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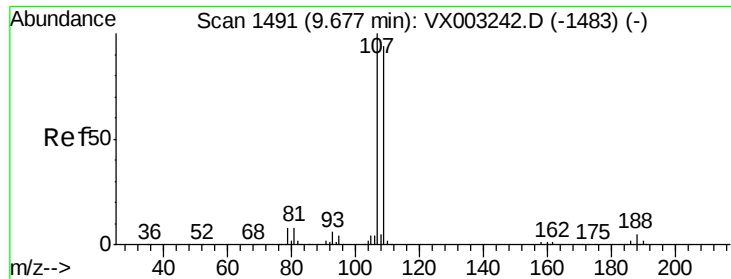
MMDadoda
7/10/2018 3:11:43 PM



#60
Dibromochloromethane
Concen: 5.76 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Tgt Ion: 129 Resp: 16132
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.3





#61

1,2-Dibromoethane

Concen: 6.43 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 17939

Ion Ratio Lower Upper

107 100

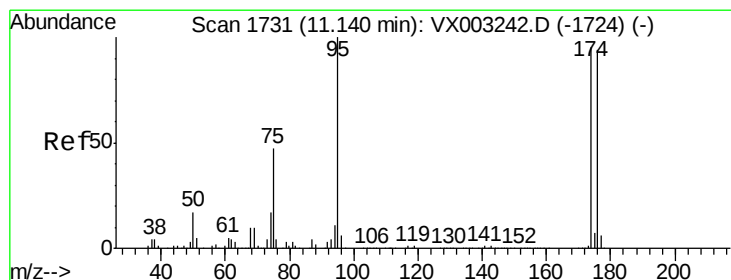
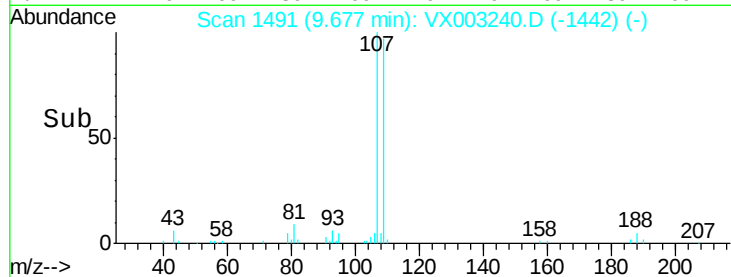
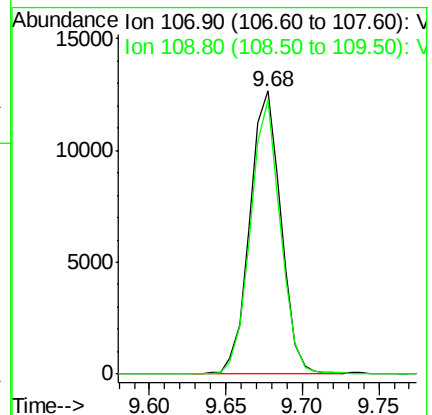
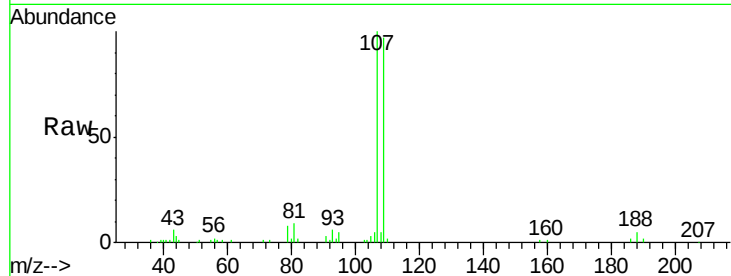
109 93.1 75.3 112.9

Manual Integrations

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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 5.90 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

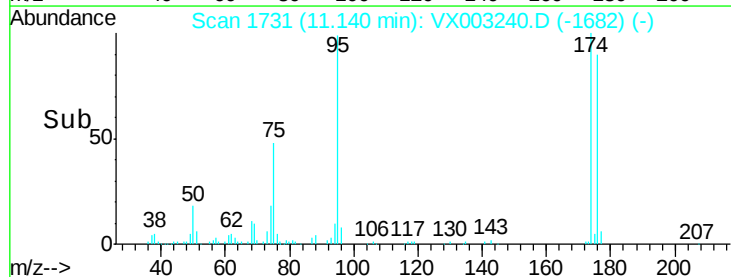
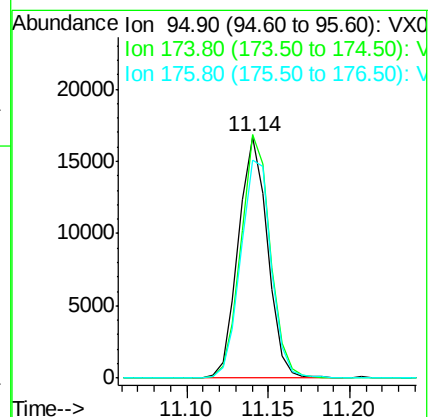
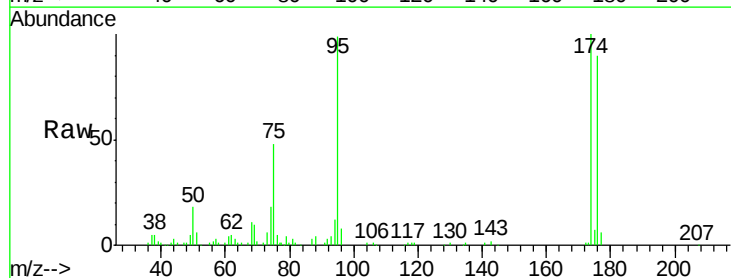
Tgt Ion: 95 Resp: 20860

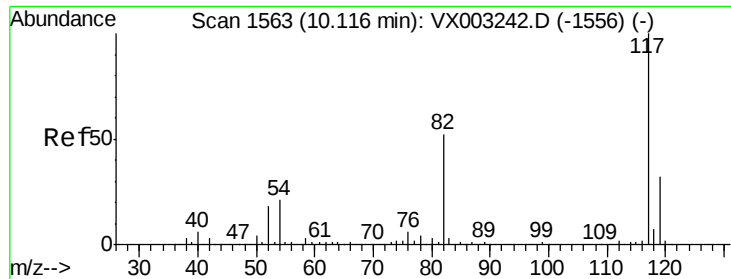
Ion Ratio Lower Upper

95 100

174 100.9 0.0 187.4

176 94.8 0.0 181.0





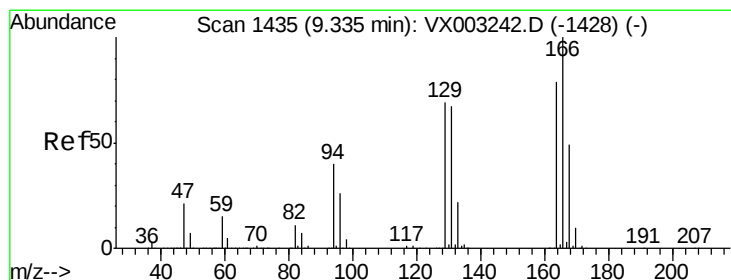
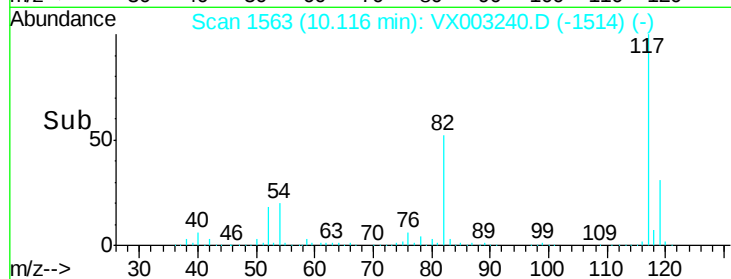
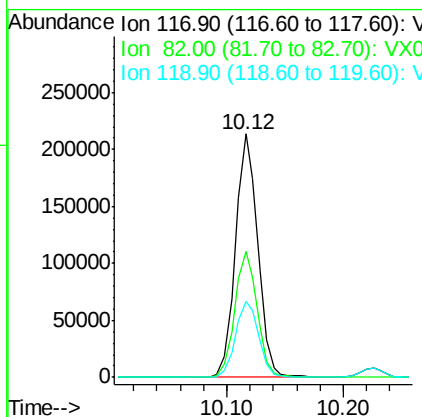
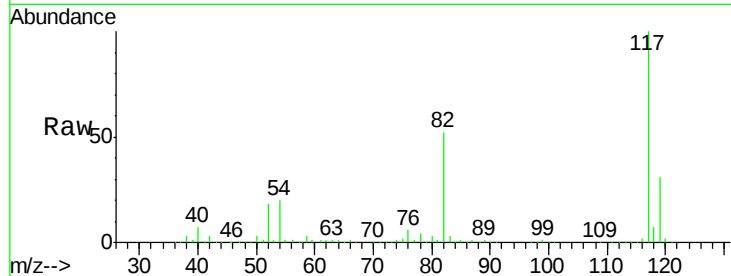
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	45.0	67.4
119	31.3	25.8	38.6

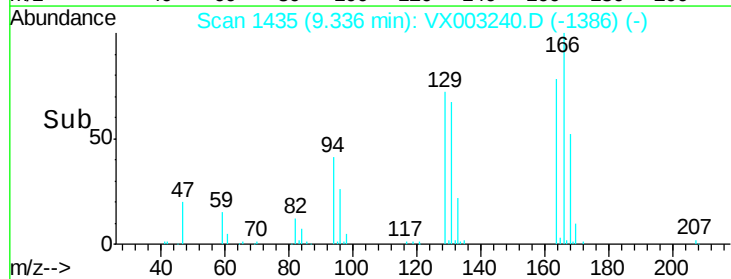
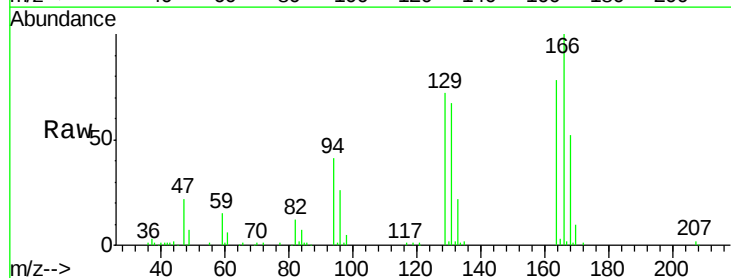
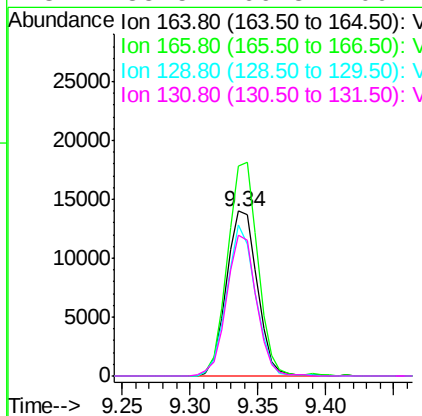
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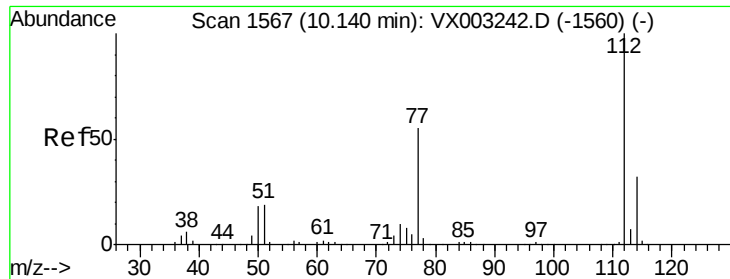
MMDadoda
7/10/2018 3:11:43 PM



#64
Tetrachloroethene
Concen: 6.98 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	102.9	154.3
129	91.6	68.6	102.8
131	85.5	66.8	100.2





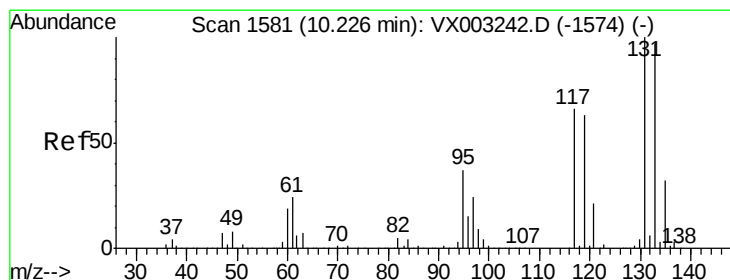
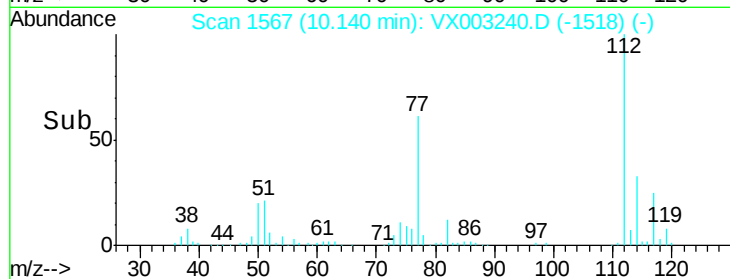
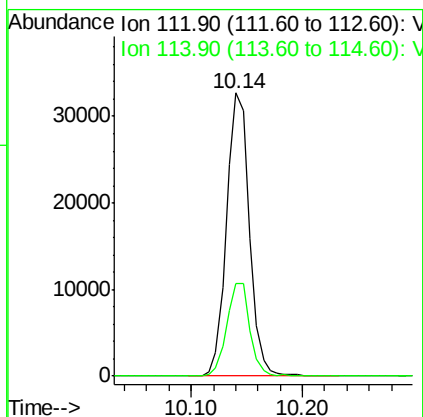
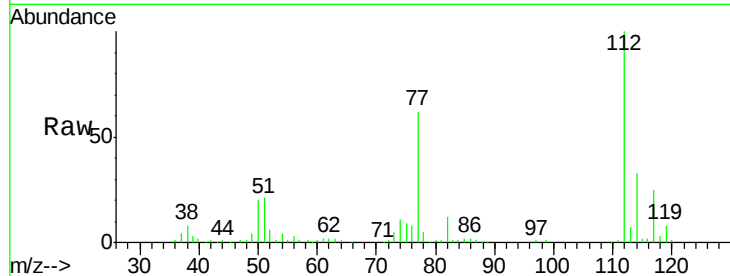
#65
Chlorobenzene
Concen: 6.43 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion:112 Resp: 46602
Ion Ratio Lower Upper
112 100
114 32.9 25.3 37.9

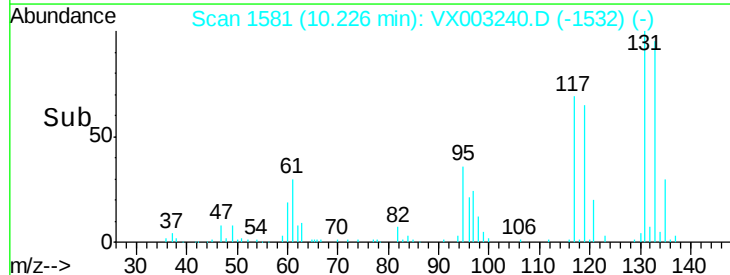
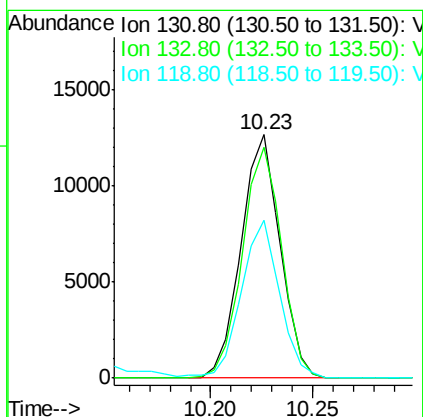
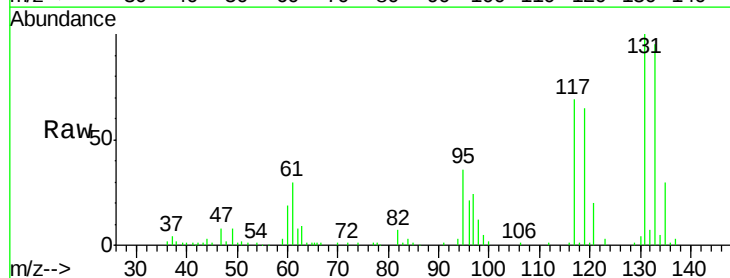
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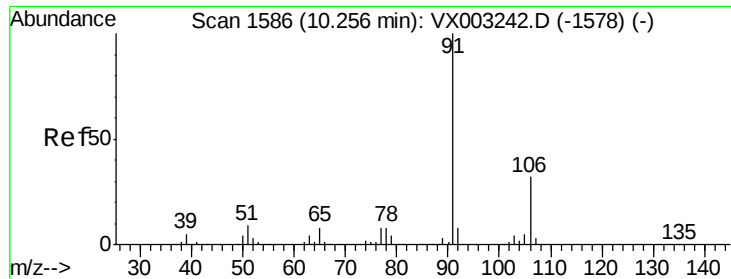
MMDadoda
7/10/2018 3:11:43 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 6.37 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Tgt Ion:131 Resp: 16781
Ion Ratio Lower Upper
131 100
133 95.5 47.9 143.6
119 64.4 31.8 95.3





#67

Ethyl Benzene

Concen: 6.22 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 74441

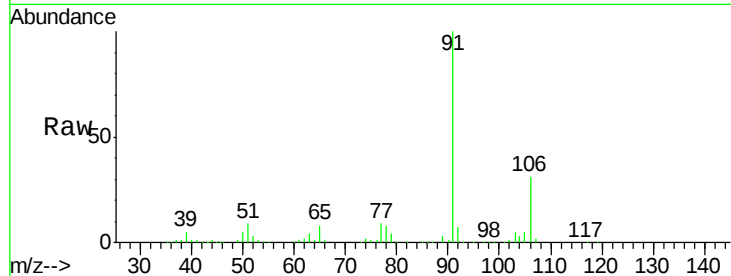
Ion Ratio Lower Upper

91 100

106 31.2 25.5 38.3

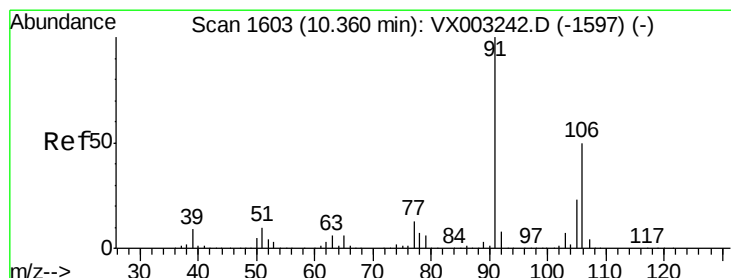
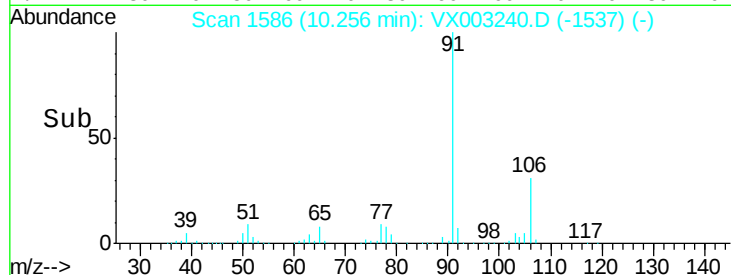
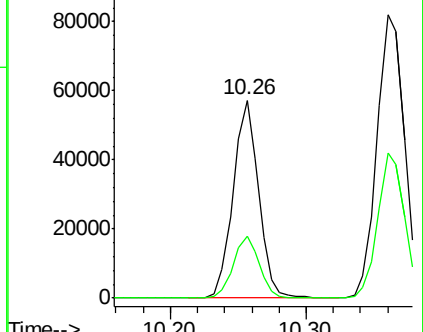
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX003240.D (-1578) (-)

Ion 106.00 (105.70 to 106.70): VX003240.D (-1578) (-)



#68

m/p-Xylenes

Concen: 12.52 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003240.D

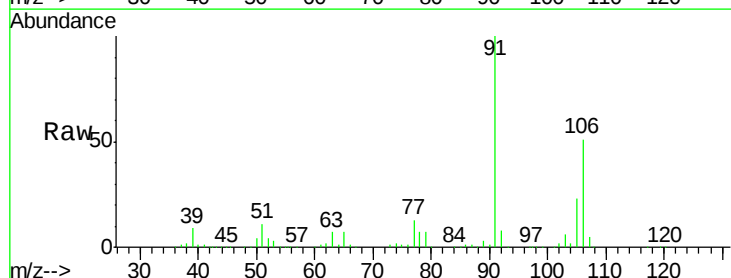
Acq: 09 Jul 2018 11:49

Tgt Ion: 106 Resp: 57789

Ion Ratio Lower Upper

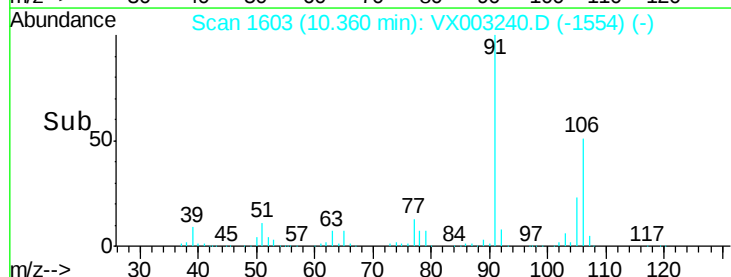
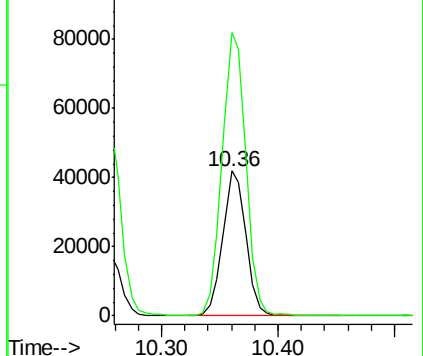
106 100

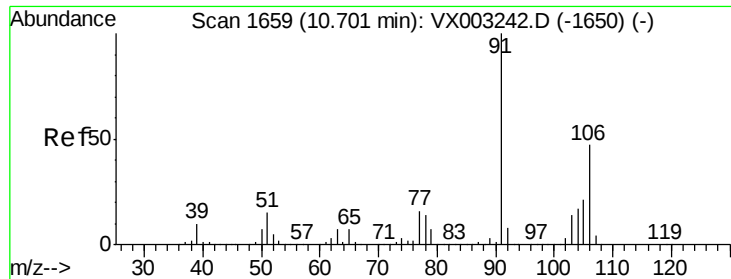
91 199.1 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): VX003240.D (-1597) (-)

Ion 91.00 (90.70 to 91.70): VX003240.D (-1597) (-)





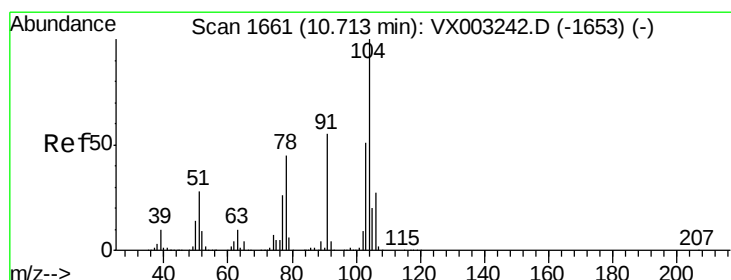
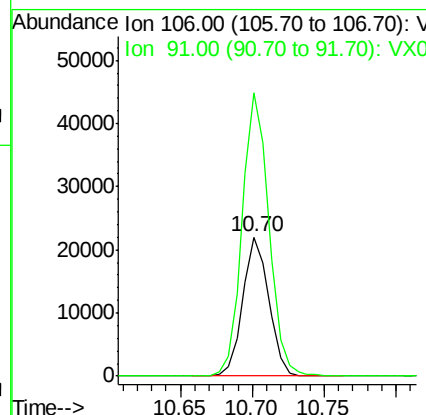
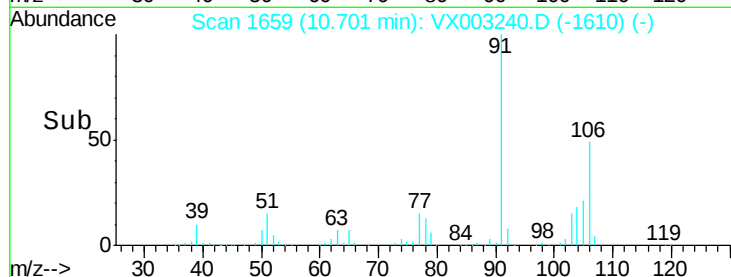
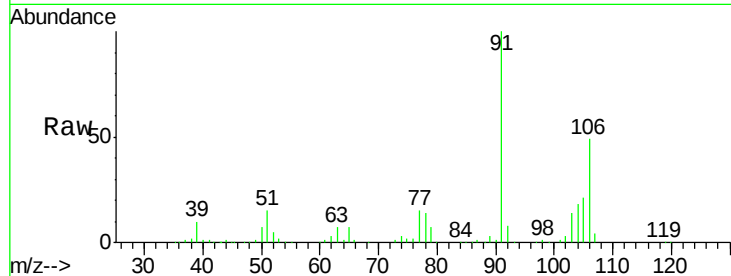
#69
o-Xylene
Concen: 6.18 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 27786
Ion Ratio Lower Upper
106 100
91 209.6 108.2 324.6

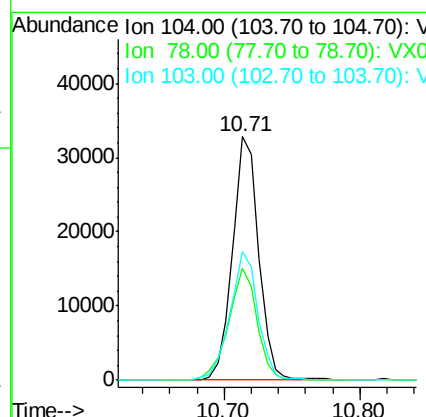
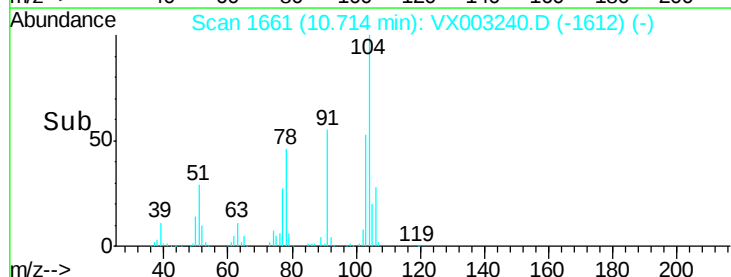
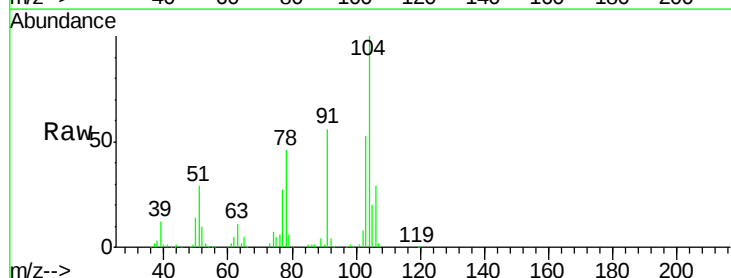
Manual Integrations
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#70
Styrene
Concen: 6.00 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Tgt Ion:104 Resp: 43776
Ion Ratio Lower Upper
104 100
78 50.4 41.0 61.6
103 56.8 44.2 66.4





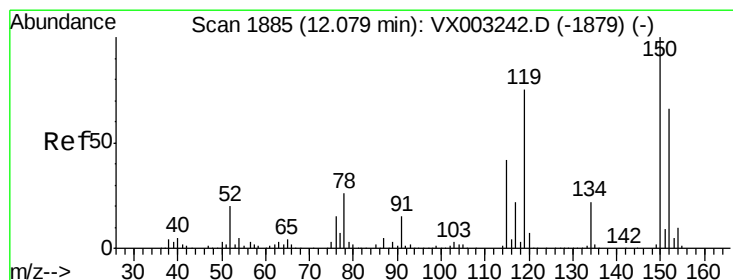
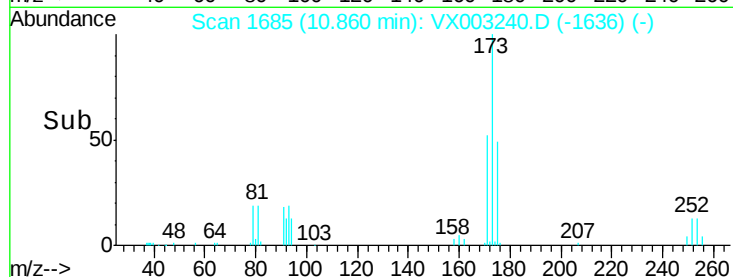
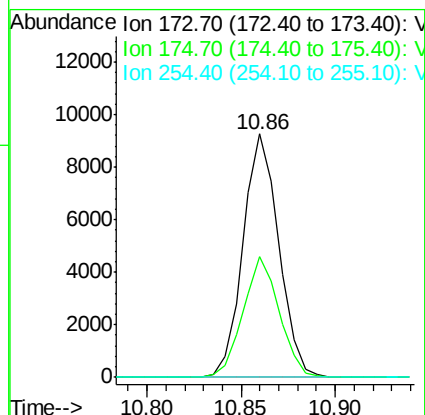
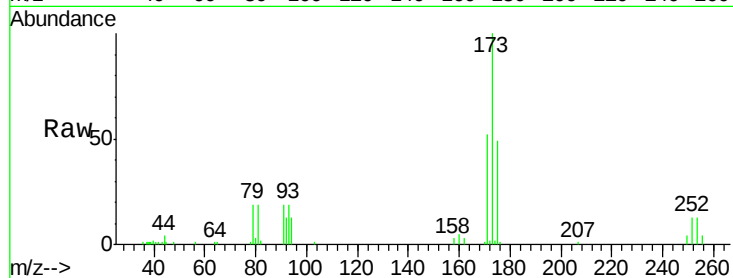
#71
Bromoform
Concen: 5.88 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.7	74.1
254	0.0	0.2	0.2

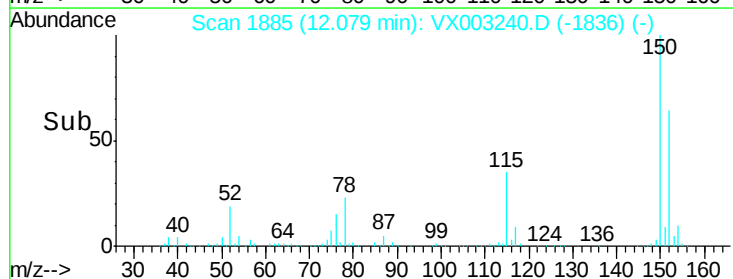
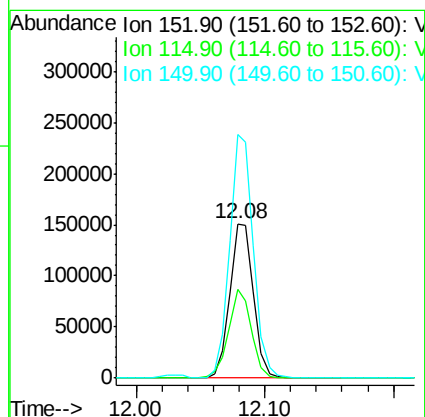
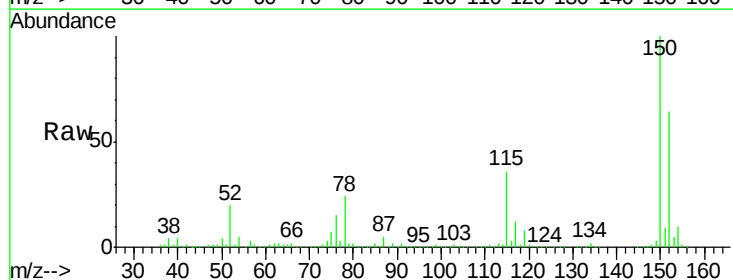
Manual Integrations
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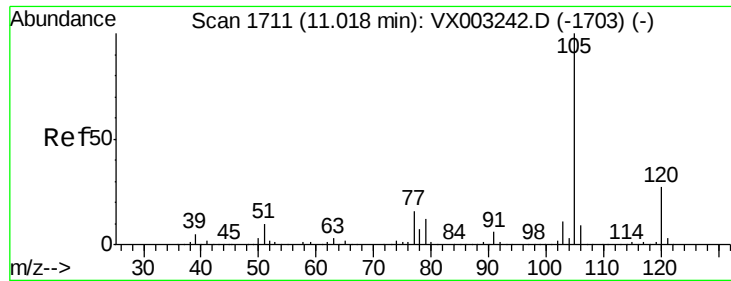
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	40.1	120.2
150	158.6	0.0	347.2





#73

Isopropylbenzene

Concen: 5.72 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.01 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 74811

Ion Ratio Lower Upper

105 100

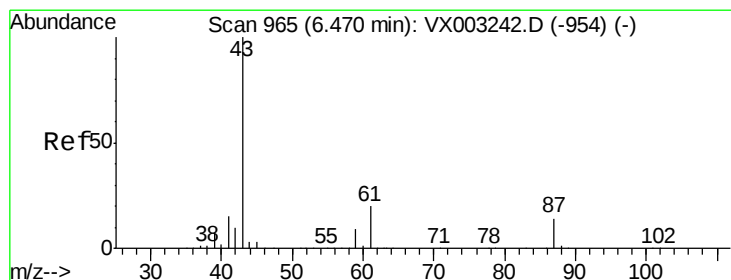
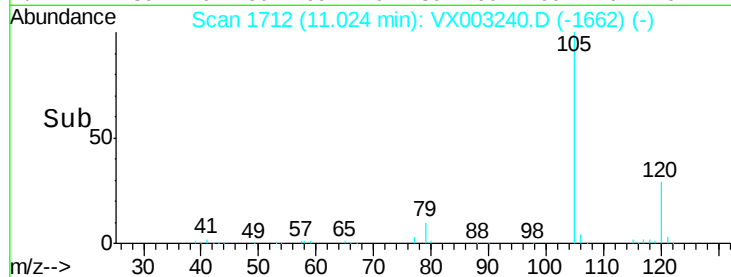
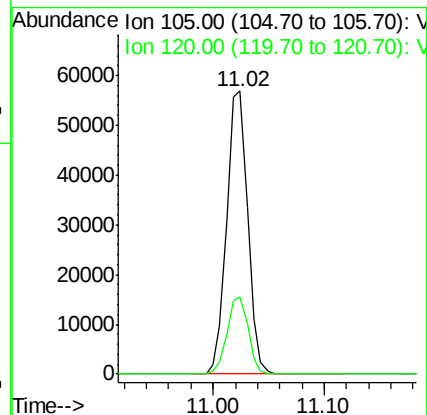
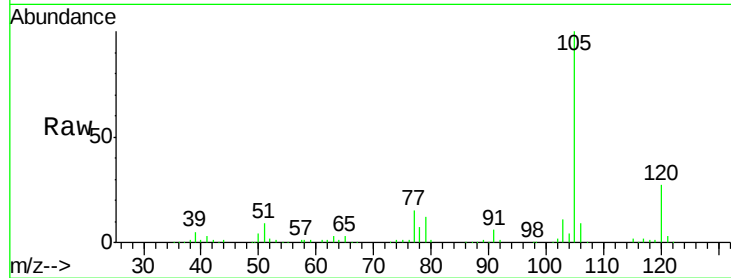
120 27.3 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 5.69 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

Tgt Ion: 43 Resp: 36401

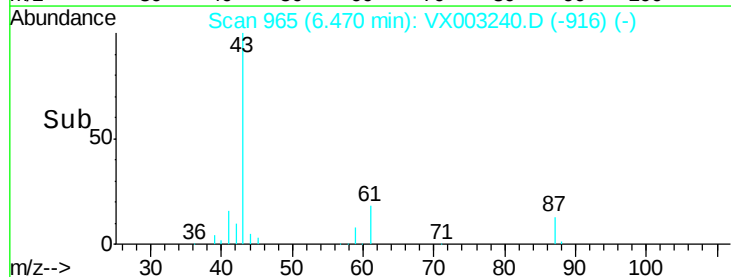
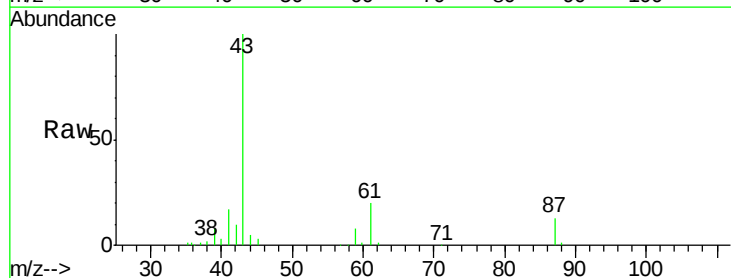
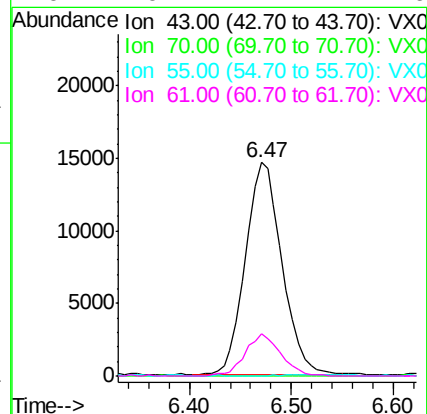
Ion Ratio Lower Upper

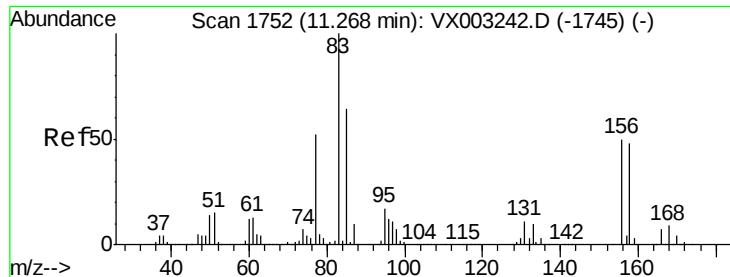
43 100

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: 6.17 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

Instrument :

MSVOA_X

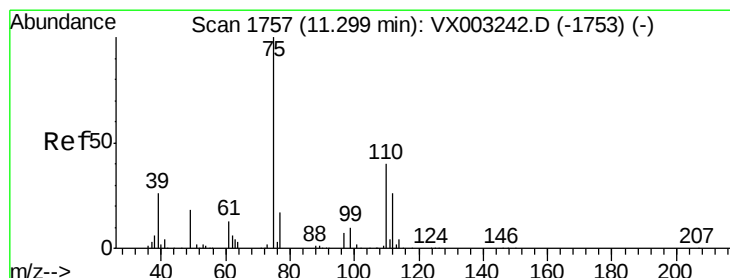
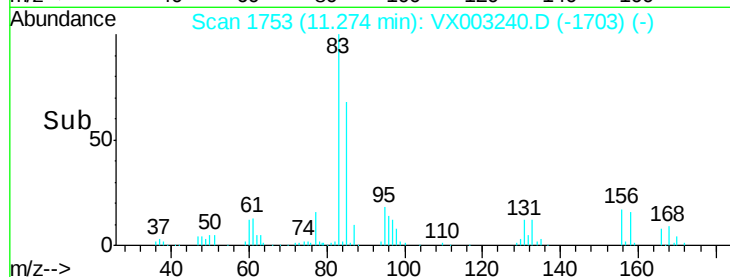
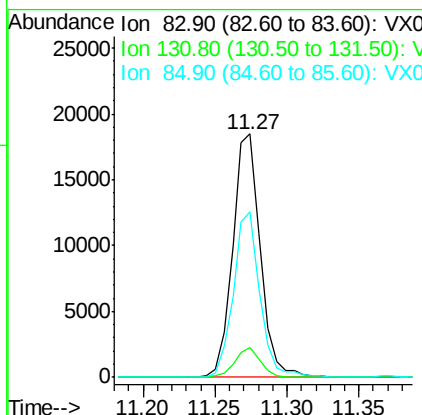
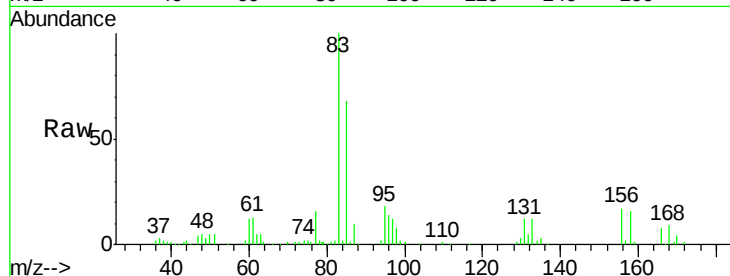
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	24845
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.6	16.8
85	65.5	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 6.15 ug/l m

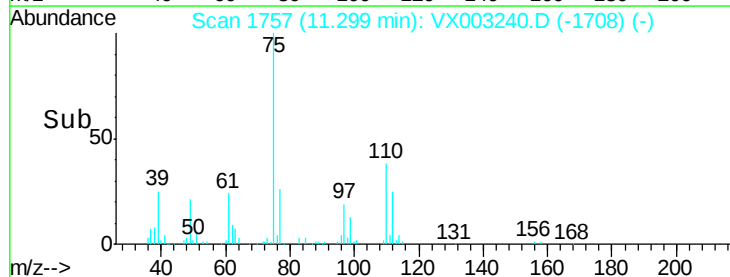
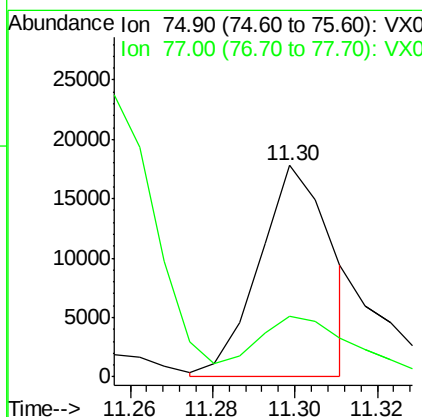
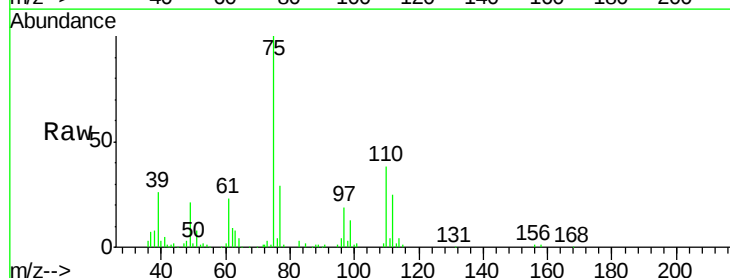
RT: 11.30 min Scan# 1757

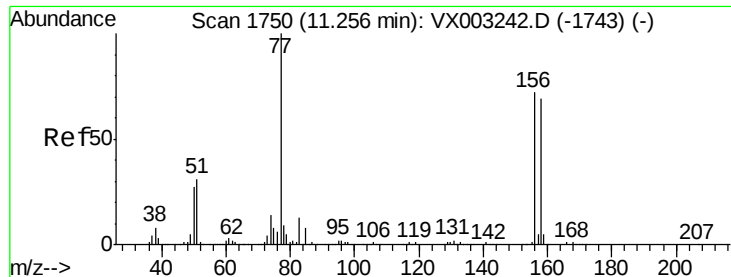
Delta R.T. 0.00 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

Tgt Ion:	75	Resp:	21623
Ion Ratio	Lower	Upper	
75	100		
77	38.7	22.8	68.3





#77

Bromobenzene

Concen: 5.96 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 22195

Ion Ratio Lower Upper

156 100

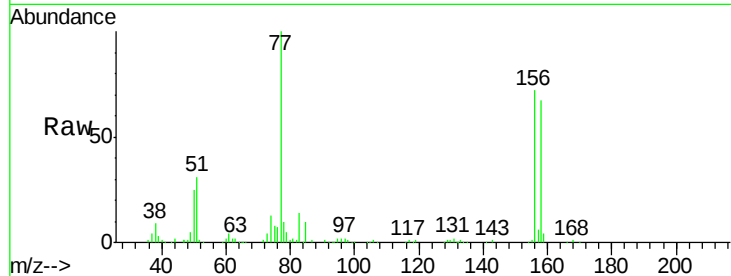
77 137.5 71.4 214.2

158 99.0 48.9 146.6

Manual Integrations
APPROVED

MMDadoda

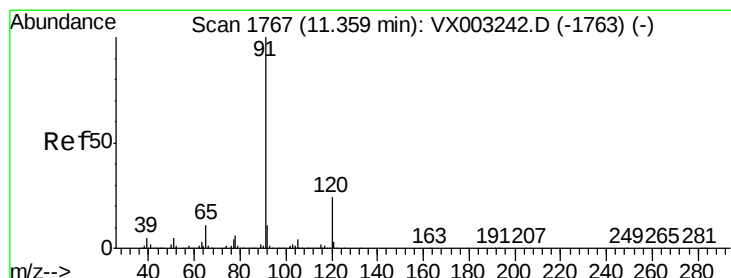
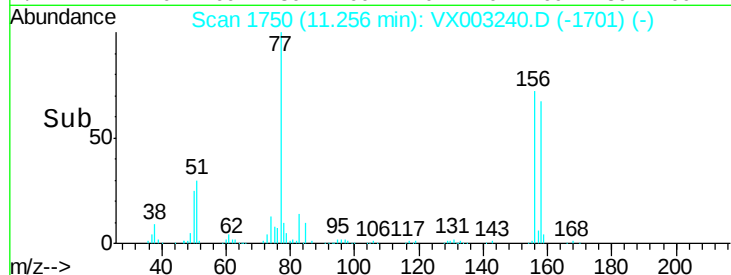
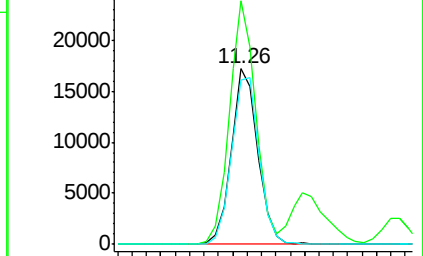
7/10/2018 3:11:43 PM



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: 5.59 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.01 min

Lab File: VX003240.D

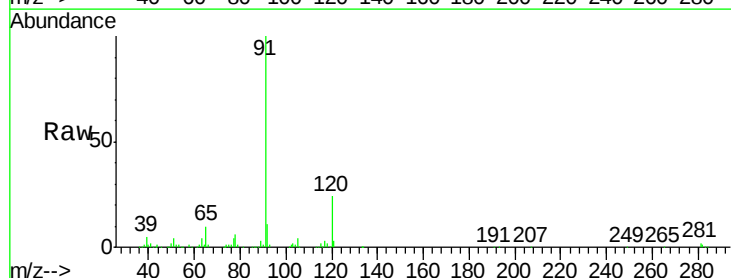
Acq: 09 Jul 2018 11:49

Tgt Ion: 91 Resp: 83203

Ion Ratio Lower Upper

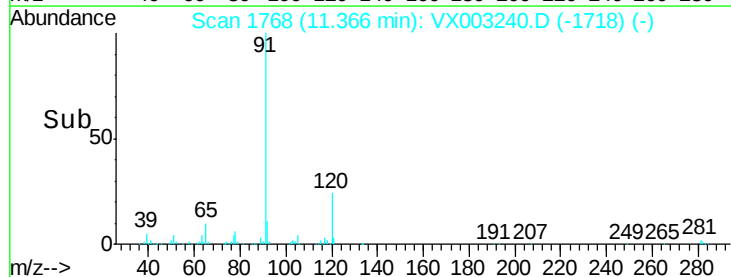
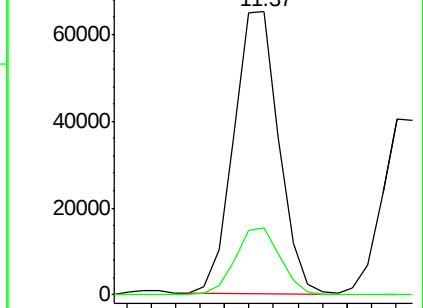
91 100

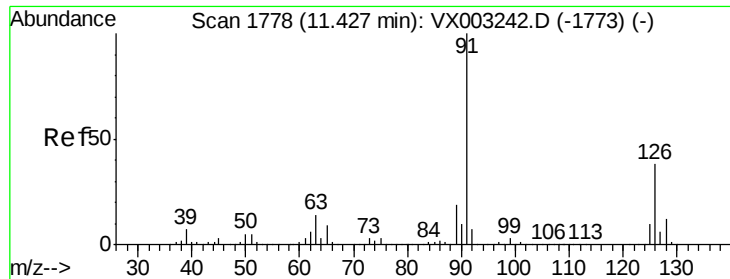
120 23.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.88 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 52974

Ion Ratio Lower Upper

91 100

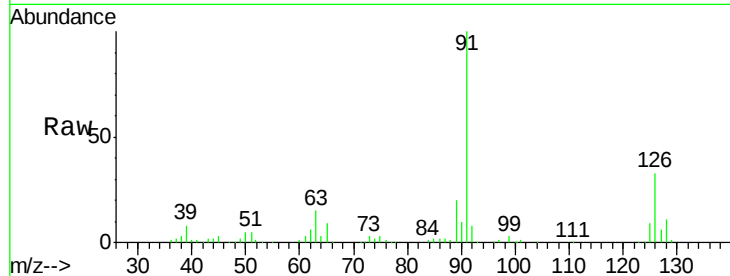
126 36.7 17.7 53.1

Manual Integrations

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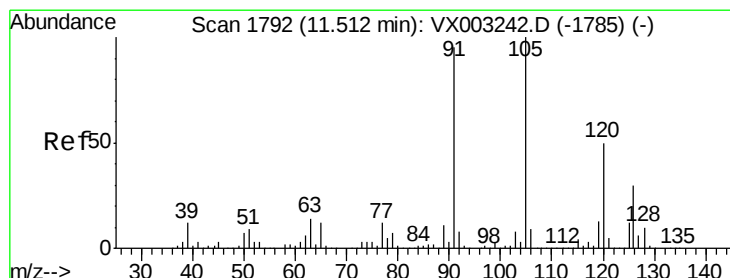
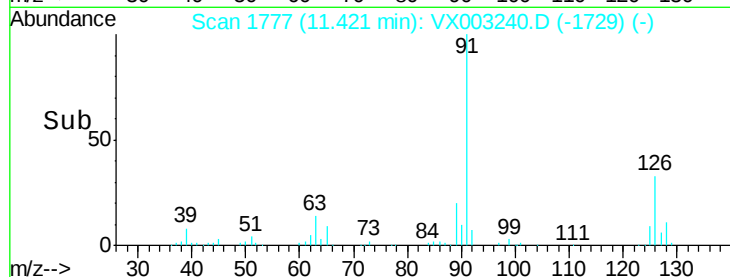
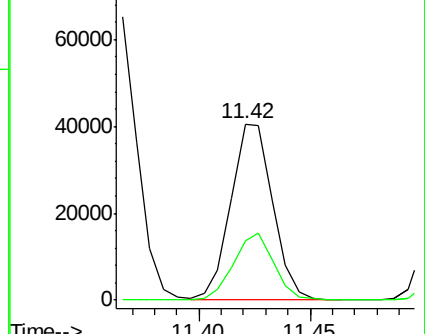
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX003242.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX003242.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.65 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003240.D

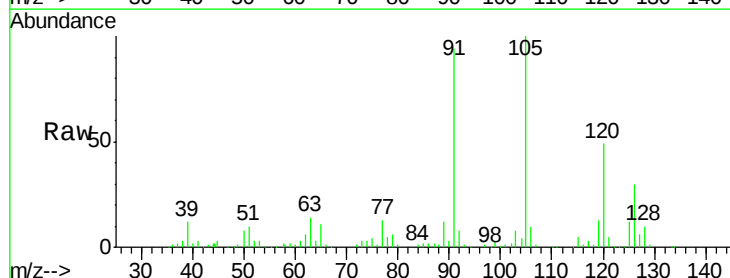
Acq: 09 Jul 2018 11:49

Tgt Ion: 105 Resp: 62235

Ion Ratio Lower Upper

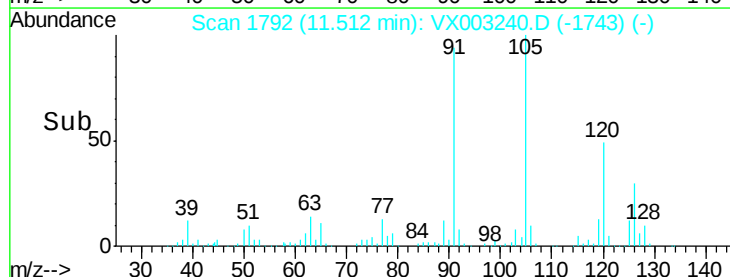
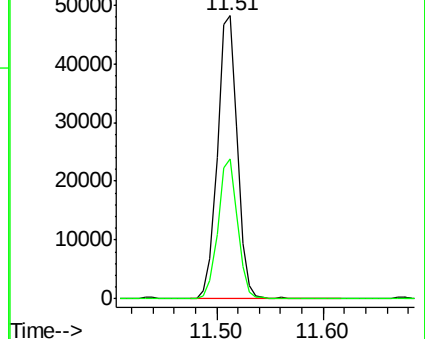
105 100

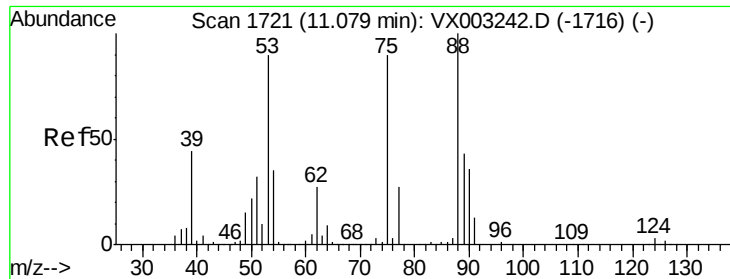
120 48.7 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003242.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX003242.D (-1785) (-)





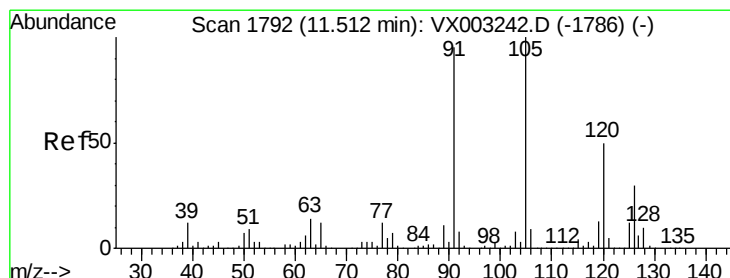
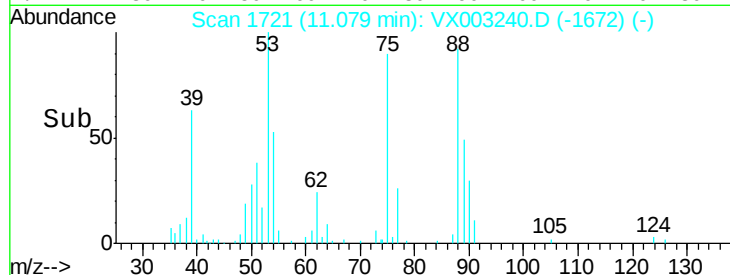
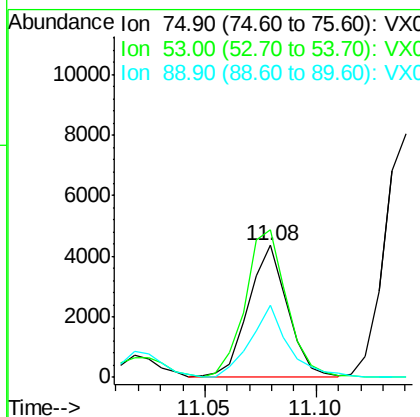
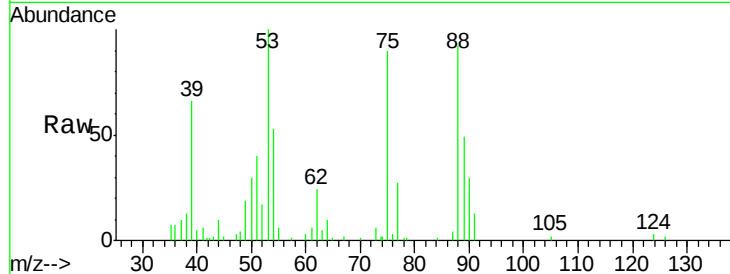
#81
trans-1,4-Dichloro-2-butene
Concen: 5.21 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion: 75 Resp: 5407
Ion Ratio Lower Upper
75 100
53 117.7 86.8 130.2
89 52.4 38.2 57.2

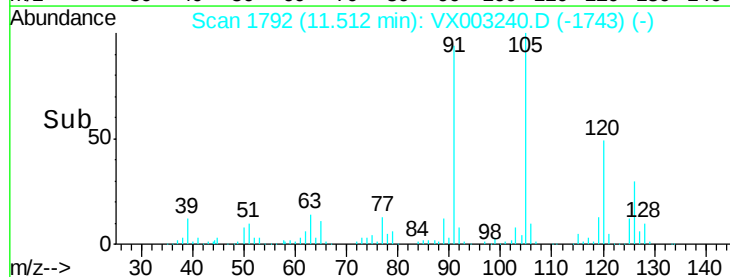
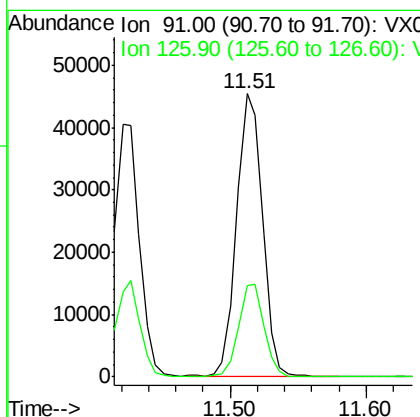
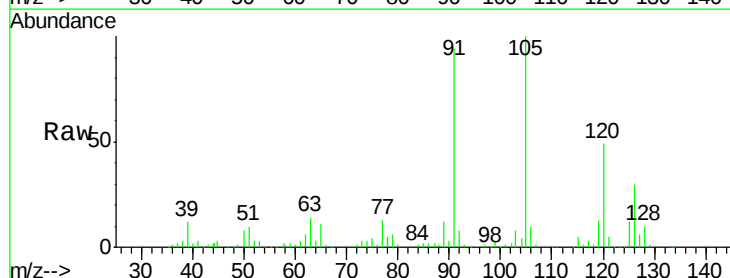
Manual Integrations
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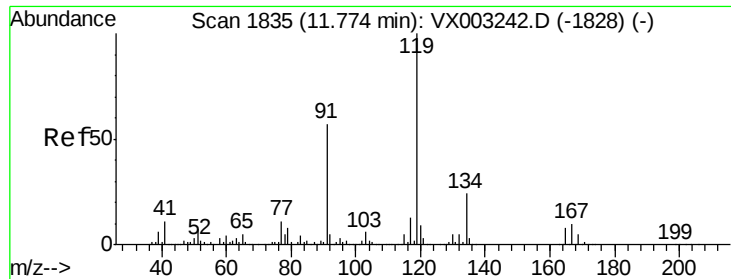
MMDadoda
7/10/2018 3:11:43 PM



#82
4-Chlorotoluene
Concen: 5.64 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Tgt Ion: 91 Resp: 60114
Ion Ratio Lower Upper
91 100
126 32.5 15.4 46.4





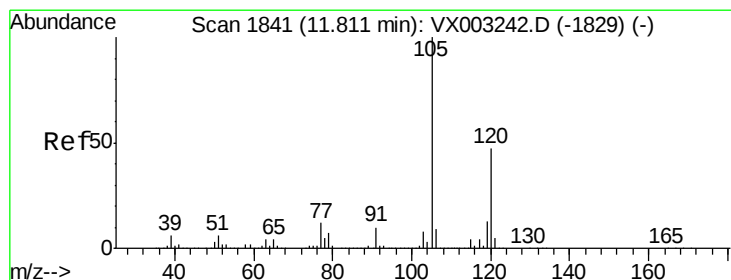
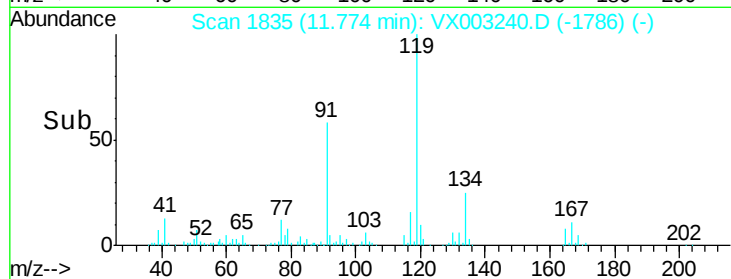
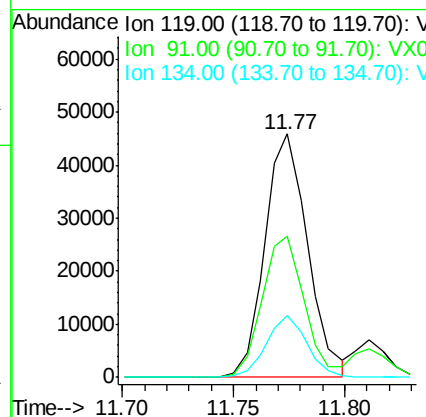
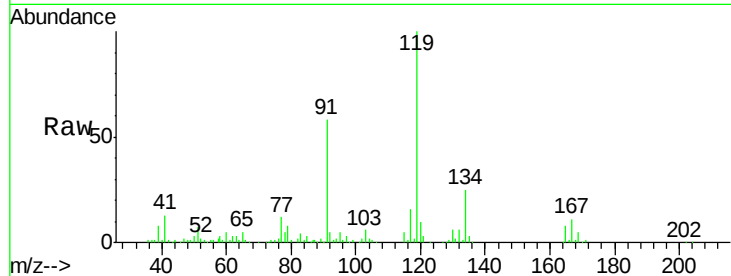
#83
 tert-Butylbenzene
 Concen: 5.63 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003240.D
 Acq: 09 Jul 2018 11:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.8	30.3	90.9
134	24.3	11.7	35.1

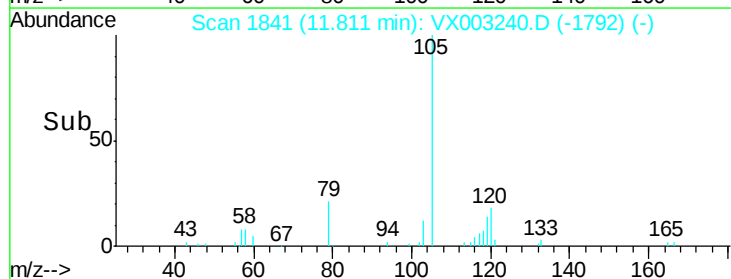
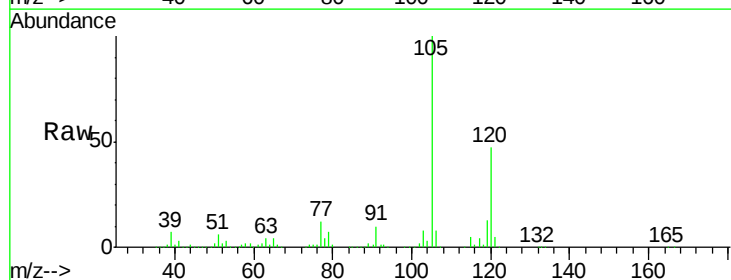
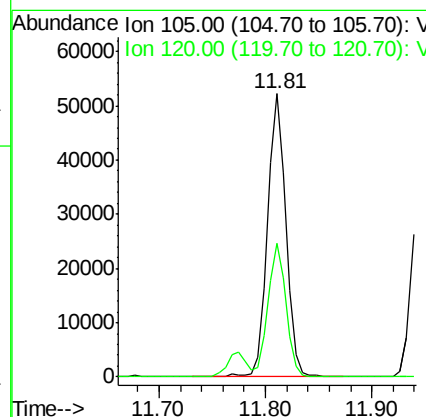
Manual Integrations
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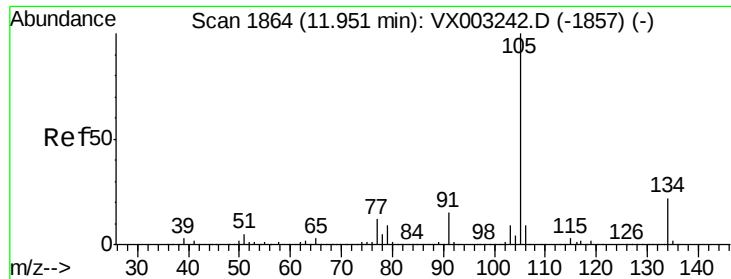
MMDadoda
 7/10/2018 3:11:43 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 5.56 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003240.D
 Acq: 09 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.3	66.8





#85

sec-Butylbenzene

Concen: 5.49 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 72285

Ion Ratio Lower Upper

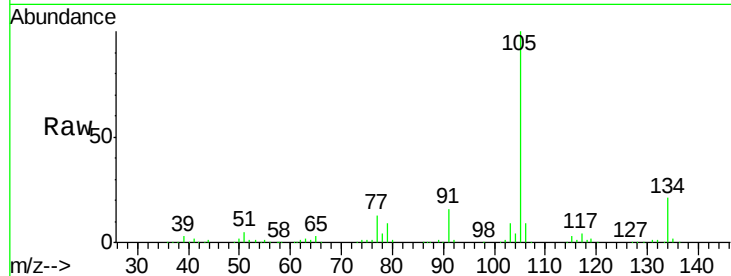
105 100

134 21.4 10.4 31.1

Manual Integrations
APPROVED

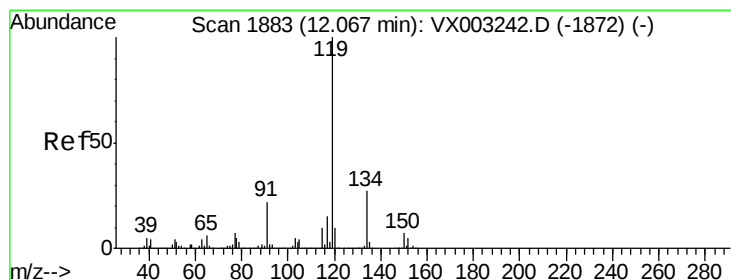
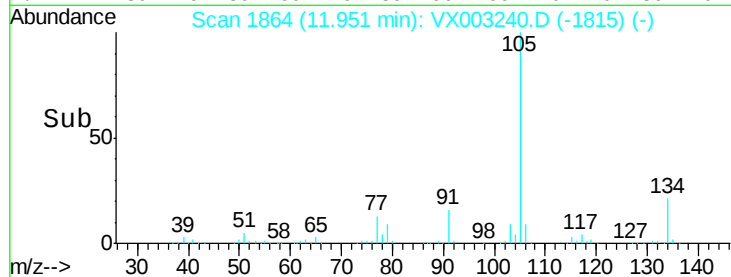
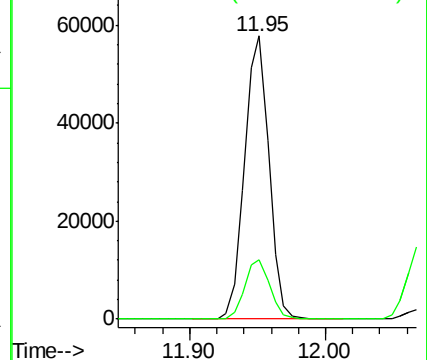
MMDadoda

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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: 5.52 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

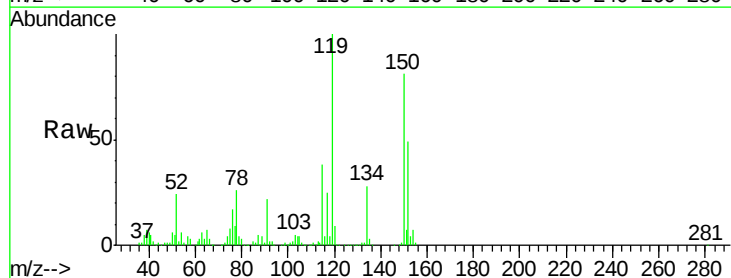
Tgt Ion:119 Resp: 65325

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

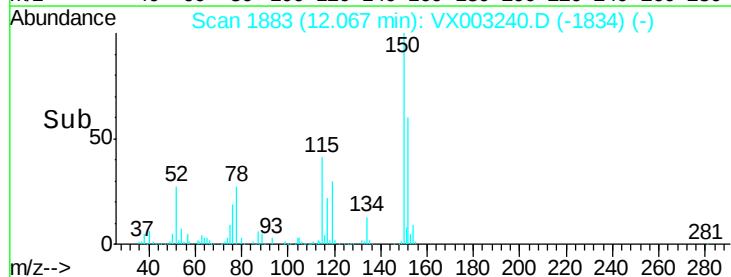
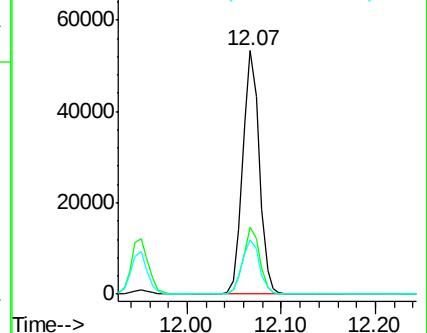
91 23.8 11.9 35.7

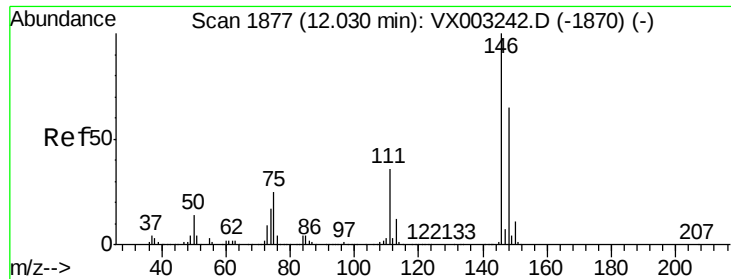


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





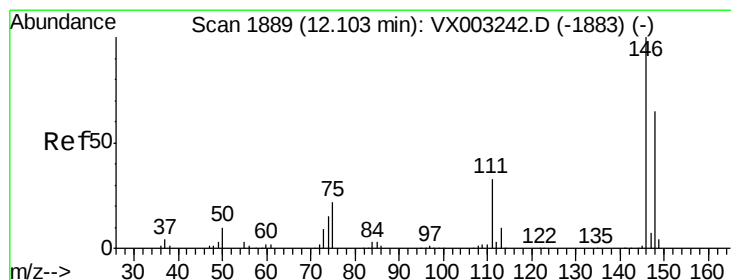
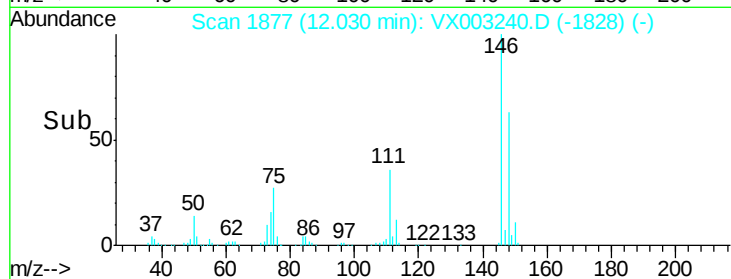
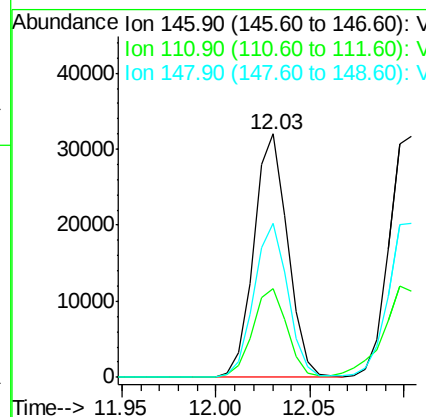
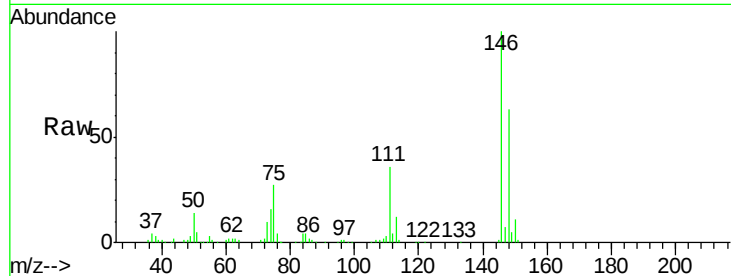
#87
1,3-Dichlorobenzene
Concen: 5.84 ug/l
RT: 12.03 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.9	56.7
148	63.6	32.1	96.3

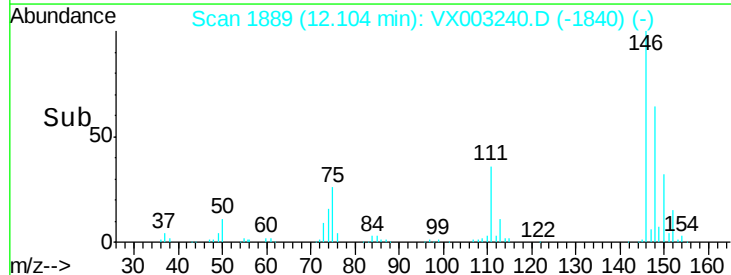
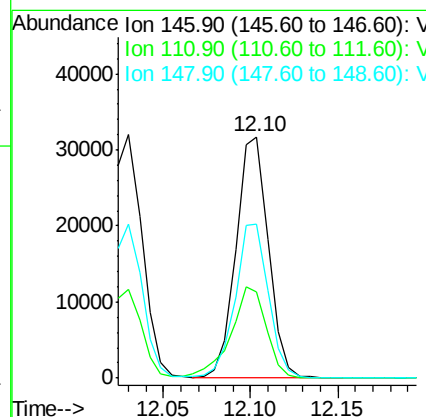
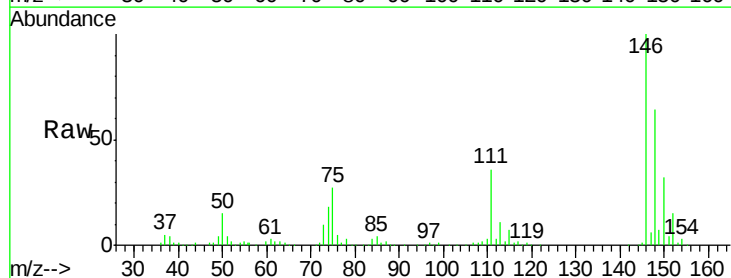
Manual Integrations
APPROVED

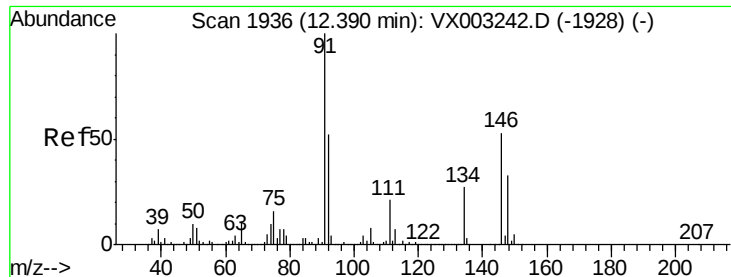
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#88
1,4-Dichlorobenzene
Concen: 5.85 ug/l
RT: 12.10 min Scan# 1889
Delta R.T. 0.00 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	18.7	56.1
148	65.7	32.4	97.0





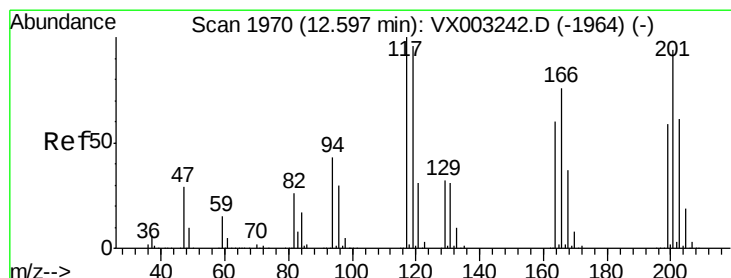
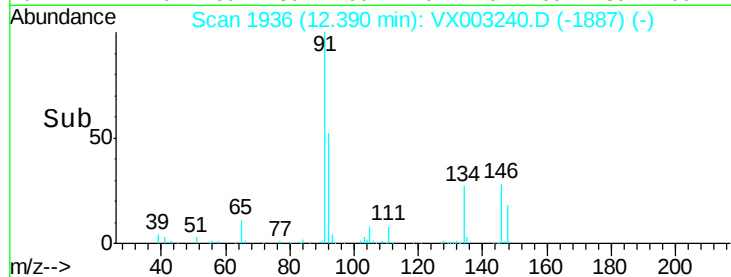
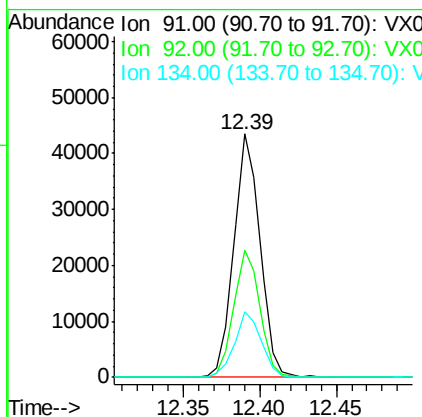
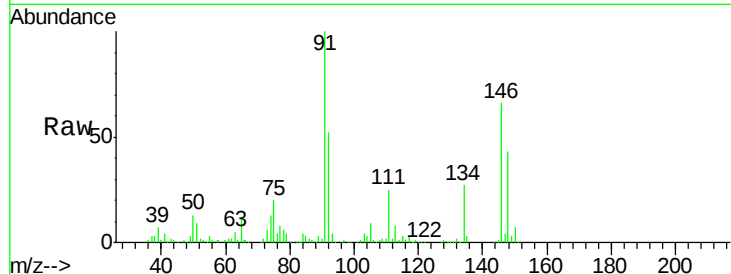
#89
n-Butylbenzene
Concen: 5.01 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		51601		
92	52.0	26.0		78.0	
134	27.5	13.5		40.5	

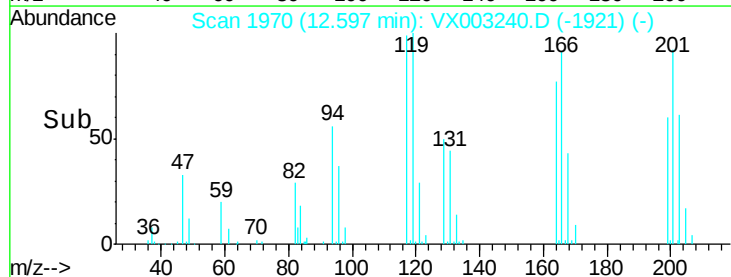
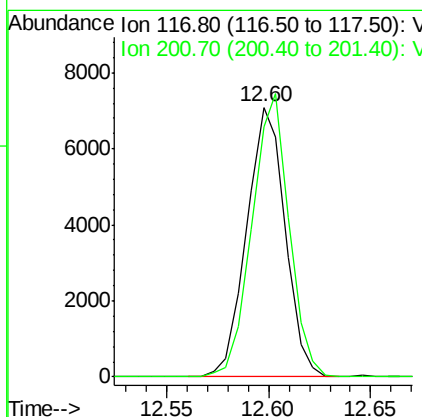
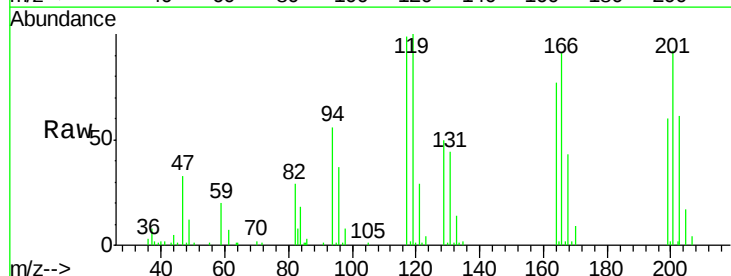
Manual Integrations
APPROVED

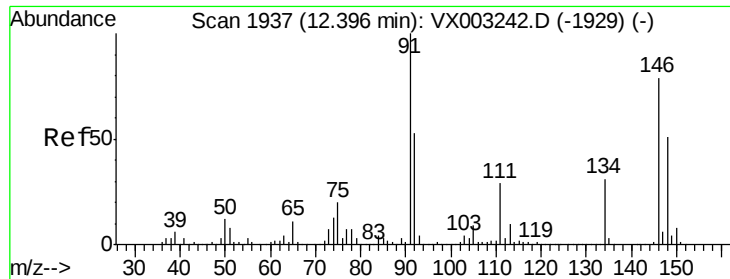
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#90
Hexachloroethane
Concen: 5.27 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003240.D
Acq: 09 Jul 2018 11:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		9272		
201	101.3	49.0		147.0	





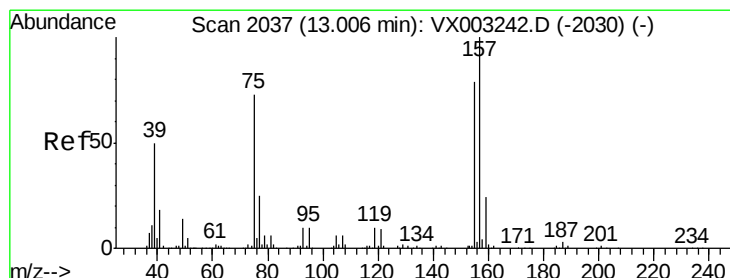
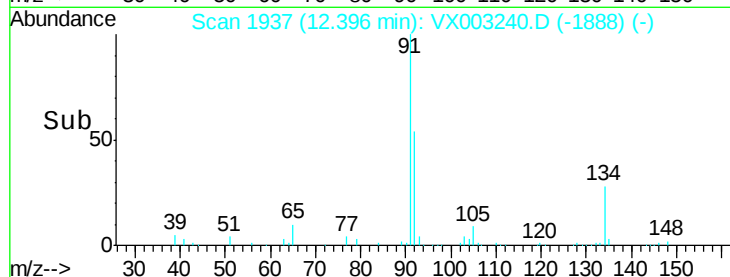
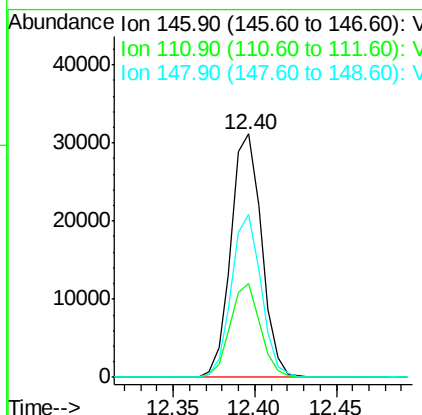
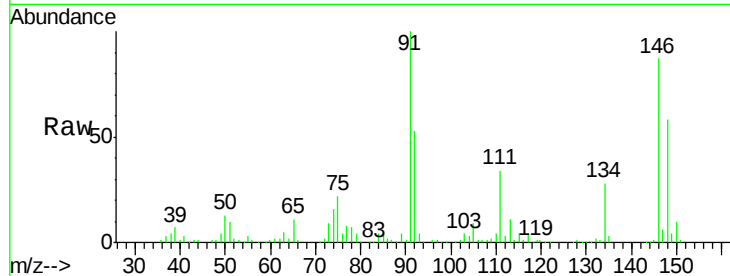
#91
 1,2-Dichlorobenzene
 Concen: 5.96 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003240.D
 Acq: 09 Jul 2018 11:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.4	58.1
148	64.8	31.7	95.1

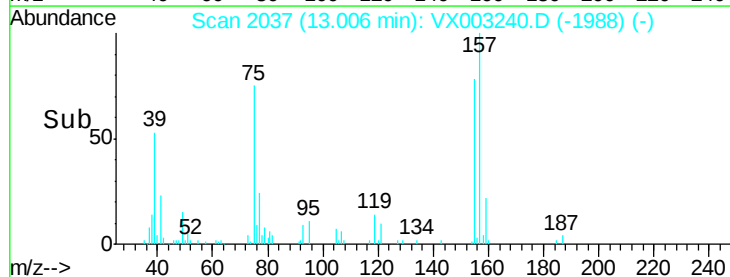
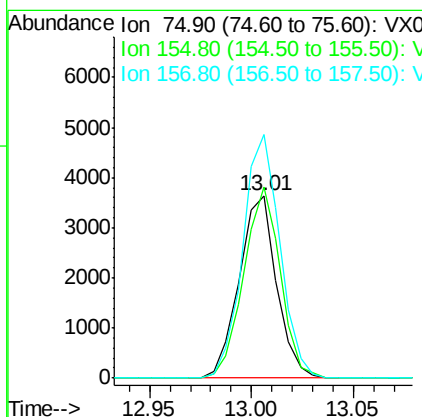
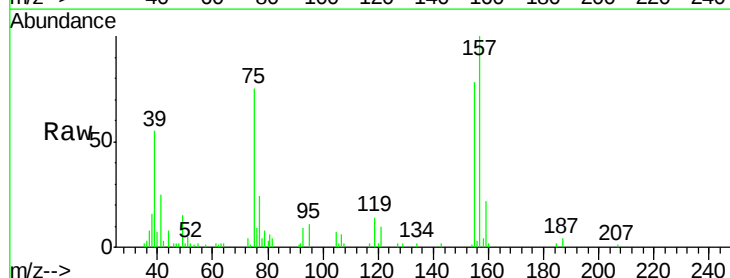
Manual Integrations
 APPROVED

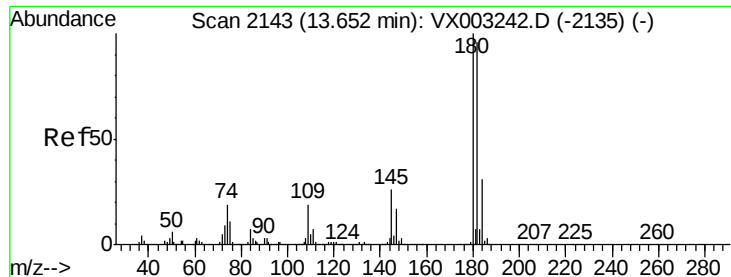
MMDadoda
 7/10/2018 3:11:43 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.13 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003240.D
 Acq: 09 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.0	45.8	137.4
157	131.9	60.1	180.3





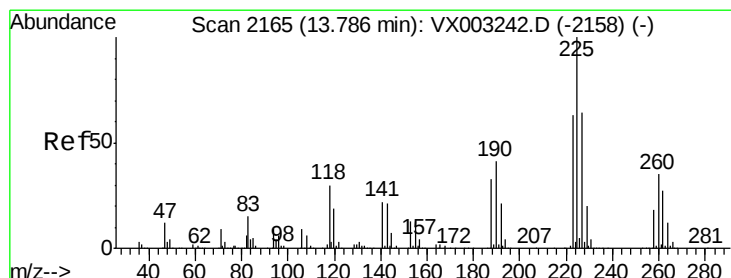
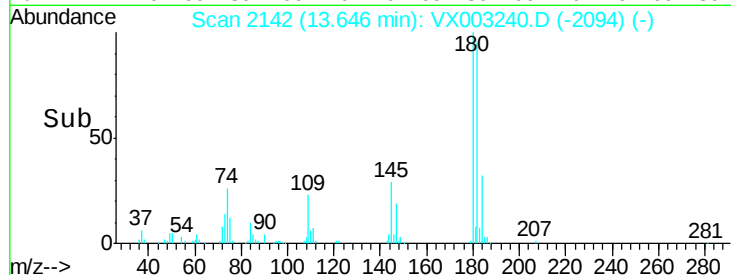
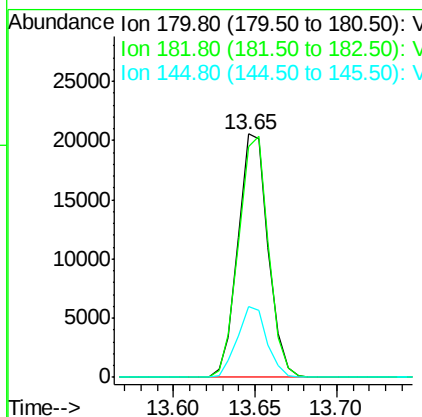
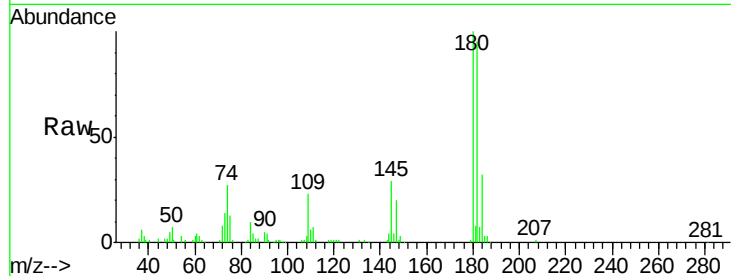
#93
 1,2,4-Trichlorobenzene
 Concen: 5.31 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: VX003240.D
 Acq: 09 Jul 2018 11:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.5	47.7	143.1
145	28.4	14.1	42.4

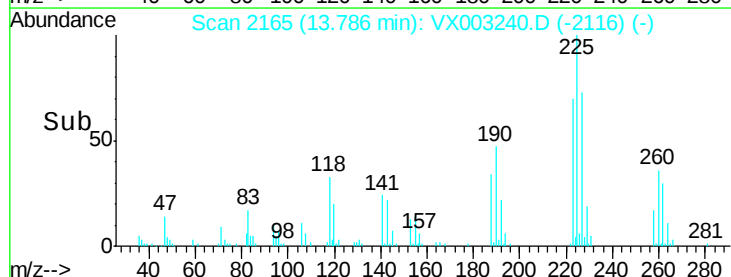
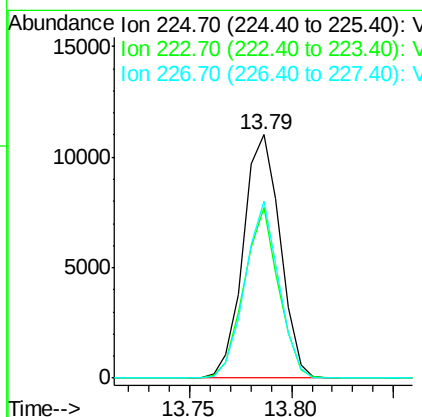
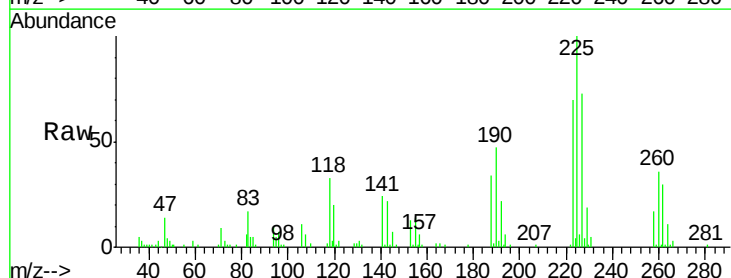
Manual Integrations
 APPROVED

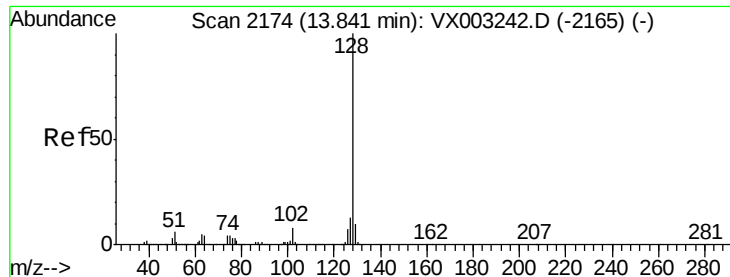
MMDadoda
 7/10/2018 3:11:43 PM



#94
 Hexachlorobutadiene
 Concen: 5.54 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003240.D
 Acq: 09 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.8	31.6	95.0
227	66.8	32.4	97.2





#95

Naphthalene

Concen: 5.32 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

Instrument :

MSVOA_X

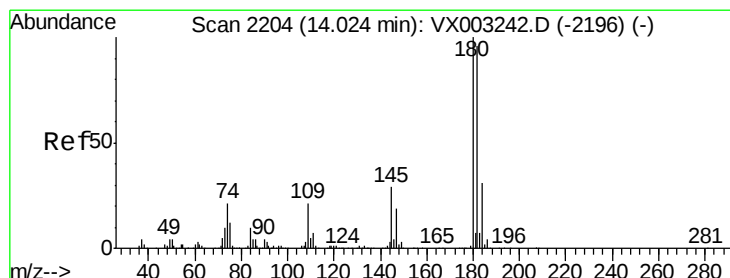
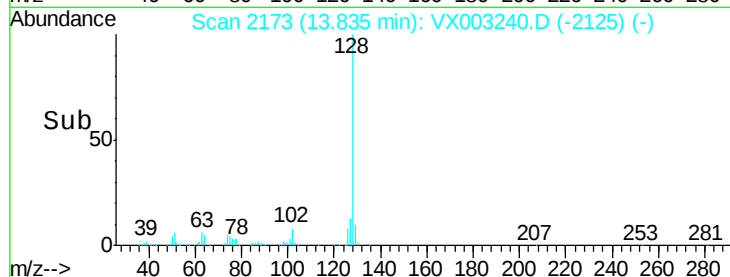
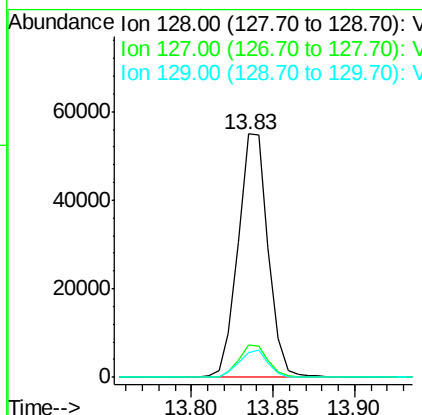
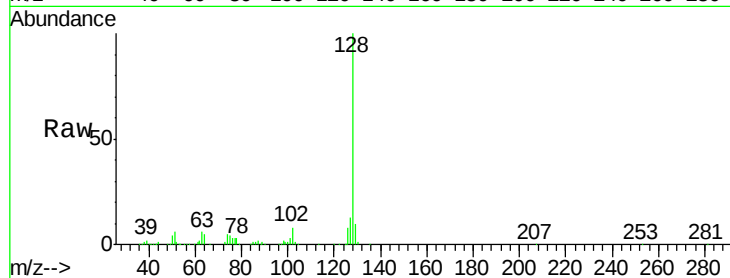
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	70763
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/10/2018 3:11:43 PM



#96

1,2,3-Trichlorobenzene

Concen: 5.71 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003240.D

Acq: 09 Jul 2018 11:49

Tgt Ion:	180	Resp:	28486
Ion Ratio	Lower	Upper	
180	100		
182	94.5	48.0	144.0
145	29.7	14.8	44.3

