

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070918\
 Data File : VX003244.D
 Acq On : 09 Jul 2018 13:36
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

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 7/10/2018 3:11:46 PM

Quant Time: Jul 09 15:14:18 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	257967	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	329360	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	310351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	228023	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	575004	161.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	322.52%	
35) Dibromofluoromethane	5.51	113	492282	188.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	377.48%	
50) Toluene-d8	8.72	98	1846975	193.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	387.84%	
62) 4-Bromofluorobenzene	11.14	95	723933	197.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	394.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	592040	231.06	ug/l	98
3) Chloromethane	1.32	50	497274	184.84	ug/l	99
4) Vinyl Chloride	1.40	62	542830	186.07	ug/l	100
5) Bromomethane	1.64	94	199007	110.50	ug/l	98
6) Chloroethane	1.70	64	242530	124.97	ug/l	99
7) Trichlorofluoromethane	1.92	101	748896	152.18	ug/l	100
8) Diethyl Ether	2.19	74	276136	154.35	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	440253	154.40	ug/l	94
10) Methyl Iodide	2.50	142	580915	218.55	ug/l	96
11) Tert butyl alcohol	3.11	59	546207	768.98	ug/l	100
12) 1,1-Dichloroethene	2.37	96	407502	160.17	ug/l	89
13) Acrolein	2.30	56	426222	1010.69	ug/l	100
14) Allyl chloride	2.72	41	759390	151.42	ug/l	93
15) Acrylonitrile	3.16	53	1175221	774.61	ug/l	98
16) Acetone	2.46	43	1008210	682.78	ug/l	95
17) Carbon Disulfide	2.56	76	1175591	173.43	ug/l	98
18) Methyl Acetate	2.78	43	588556	142.56	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	1353800	148.02	ug/l	99
20) Methylene Chloride	2.86	84	443402	154.31	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	436323	157.46	ug/l	95
22) Diisopropyl ether	3.88	45	1566434	163.40	ug/l	97
23) Vinyl Acetate	3.83	43	6798828	837.56	ug/l	97
24) 1,1-Dichloroethane	3.69	63	795770	152.73	ug/l	100
25) 2-Butanone	4.72	43	1840070	839.66	ug/l	96
26) 2,2-Dichloropropane	4.59	77	697032	164.52	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	543026	174.78	ug/l	89
28) Bromochloromethane	5.02	49	371160	148.82	ug/l	88
29) Tetrahydrofuran	5.17	42	1169931	832.50	ug/l	96
30) Chloroform	5.22	83	887503	165.97	ug/l	97
31) Cyclohexane	5.57	56	778057	174.00	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	816711	173.60	ug/l	98
36) 1,1-Dichloropropene	5.80	75	668559	185.10	ug/l	98
37) Ethyl Acetate	4.87	43	710068	182.59	ug/l	98
38) Carbon Tetrachloride	5.78	117	754589	190.38	ug/l	98

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Quant Time: Jul 09 15:14:18 2018
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	809192	192.34	ug/l	95
40) Benzene	6.15	78	1958660	186.64	ug/l	100
41) Methacrylonitrile	5.07	41	409129	182.70	ug/l	96
42) 1,2-Dichloroethane	6.20	62	706066	166.56	ug/l	98
43) Isopropyl Acetate	6.48	43	1195597	183.31	ug/l	97
44) Trichloroethene	7.21	130	582586	186.20	ug/l	99
45) 1,2-Dichloropropane	7.52	63	509332	182.96	ug/l	100
46) Dibromomethane	7.67	93	347347	179.79	ug/l	93
47) Bromodichloromethane	7.90	83	686228	192.14	ug/l	98
48) Methyl methacrylate	7.78	41	627023	186.58	ug/l	93
49) 1,4-Dioxane	7.76	88	242829	3713.96	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	3761842	921.87	ug/l	95
52) Toluene	8.79	92	1284695	191.09	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	829809	205.15	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	789398	202.83	ug/l	93
55) 1,1,2-Trichloroethane	9.22	97	517608	187.36	ug/l	98
56) Ethyl methacrylate	9.19	69	808636	200.28	ug/l	91
57) 1,3-Dichloropropane	9.38	76	842685	185.72	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1928390	990.01	ug/l	96
59) 2-Hexanone	9.51	43	2892398	932.64	ug/l	94
60) Dibromochloromethane	9.59	129	612542	210.63	ug/l	100
61) 1,2-Dibromoethane	9.68	107	563164	194.35	ug/l	99
64) Tetrachloroethene	9.34	164	629808	182.50	ug/l	99
65) Chlorobenzene	10.14	112	1499158	190.18	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	581711	203.14	ug/l	99
67) Ethyl Benzene	10.26	91	2540797	195.12	ug/l	100
68) m/p-Xylenes	10.37	106	2000764	398.66	ug/l	96
69) o-Xylene	10.70	106	975004	199.52	ug/l	96
70) Styrene	10.72	104	1614856	203.37	ug/l	98
71) Bromoform	10.86	173	528956	235.03	ug/l	100
73) Isopropylbenzene	11.02	105	2623425	171.02	ug/l	99
74) N-amyl acetate	6.48	43	1195597	159.30	ug/l	# 97
75) 1,1,2,2-Tetrachloroethane	11.27	83	792685	167.75	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	670716m	162.39	ug/l	
77) Bromobenzene	11.26	156	753462	172.48	ug/l	94
78) n-propylbenzene	11.37	91	2961591	169.61	ug/l	97
79) 2-Chlorotoluene	11.43	91	1762935	166.77	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	2233563	172.88	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	256802	210.89	ug/l	91
82) 4-Chlorotoluene	11.51	91	2096899	167.55	ug/l	98
83) tert-Butylbenzene	11.77	119	2259457	177.45	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	2296767	171.58	ug/l	96
85) sec-Butylbenzene	11.95	105	2667186	172.67	ug/l	98
86) p-Isopropyltoluene	12.07	119	2453515	176.67	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	1374104	172.23	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	1380495	168.14	ug/l	99
89) n-Butylbenzene	12.39	91	2098878	173.64	ug/l	98
90) Hexachloroethane	12.60	117	412955	199.92	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	1363272	169.29	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	185637	174.76	ug/l	89

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ClientSampleId :
VSTDICC150

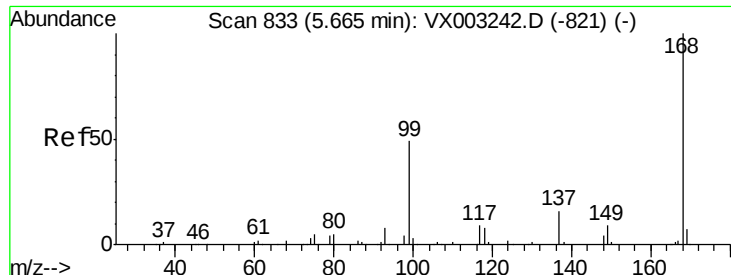
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 09 14:57:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1057731	180.48	ug/l	99
94) Hexachlorobutadiene	13.79	225	508062	173.82	ug/l	99
95) Naphthalene	13.84	128	2824496	180.95	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	1042840	178.15	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 257967

Ion Ratio Lower Upper

168 100

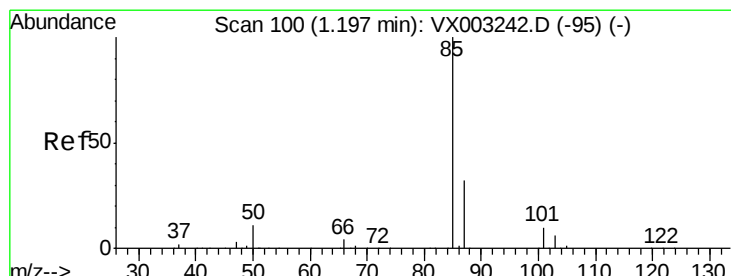
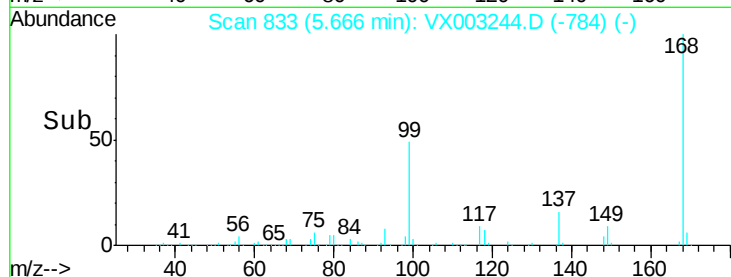
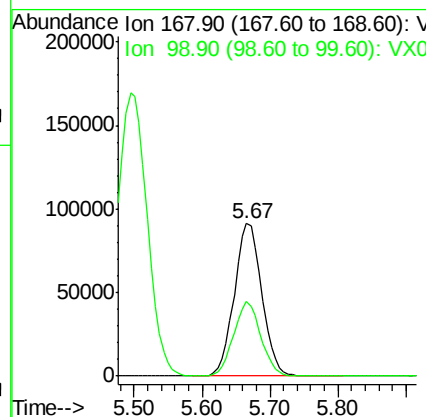
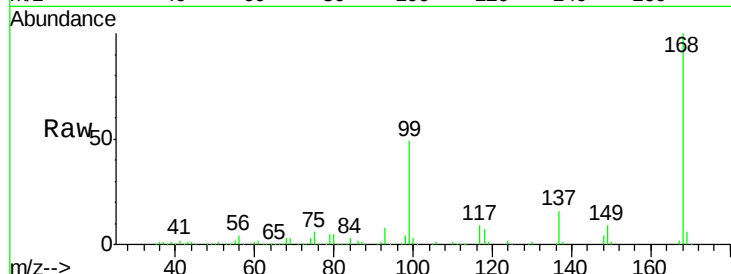
99 48.5 39.3 58.9

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#2

Dichlorodifluoromethane

Concen: 231.06 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003244.D

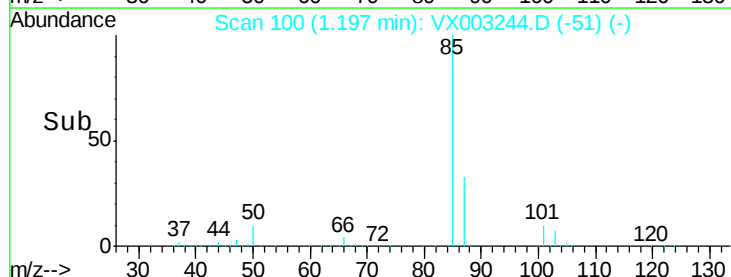
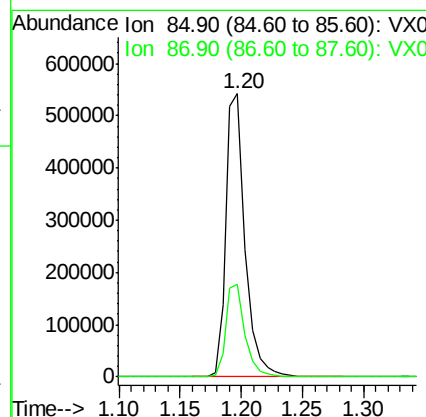
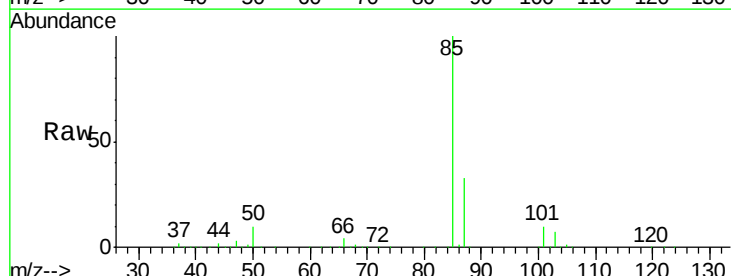
Acq: 09 Jul 2018 13:36

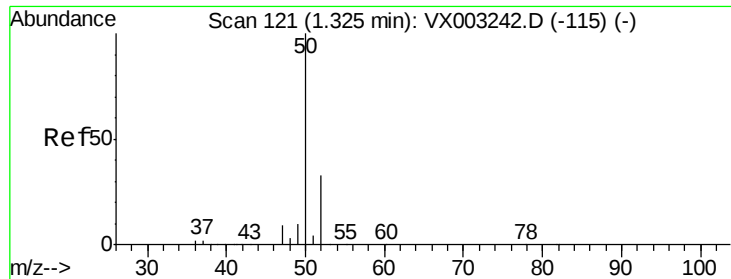
Tgt Ion: 85 Resp: 592040

Ion Ratio Lower Upper

85 100

87 32.8 16.0 47.9





#3

Chloromethane

Concen: 184.84 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 50 Resp: 497274

Ion Ratio Lower Upper

50 100

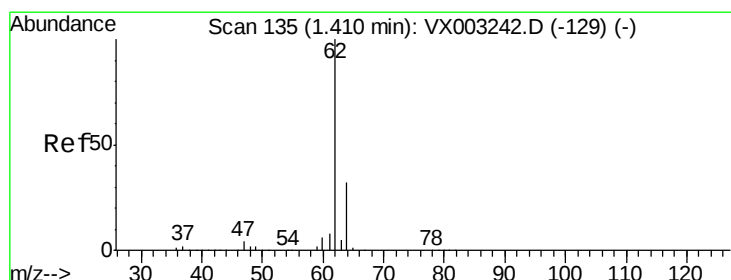
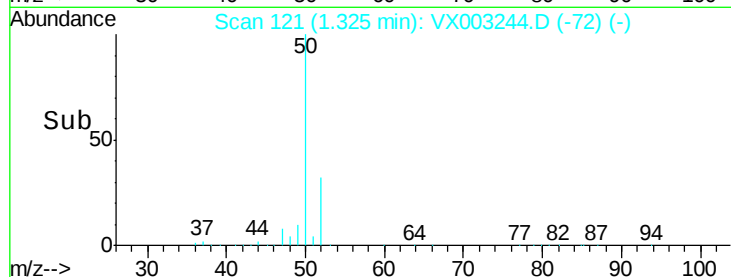
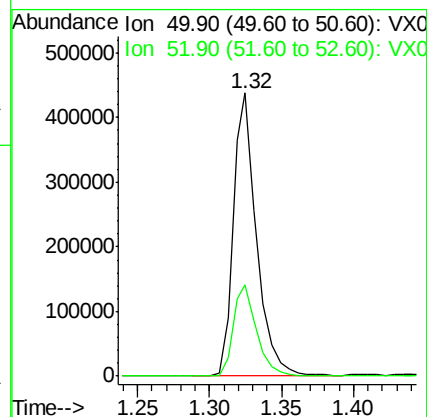
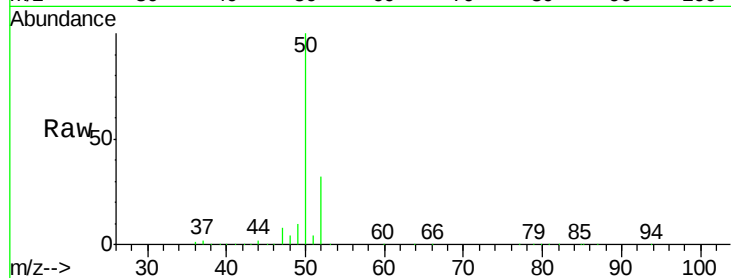
52 32.4 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 186.07 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX003244.D

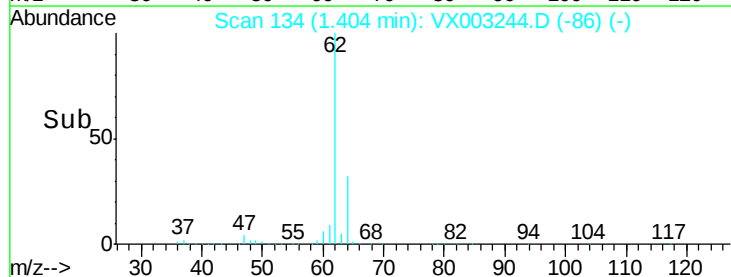
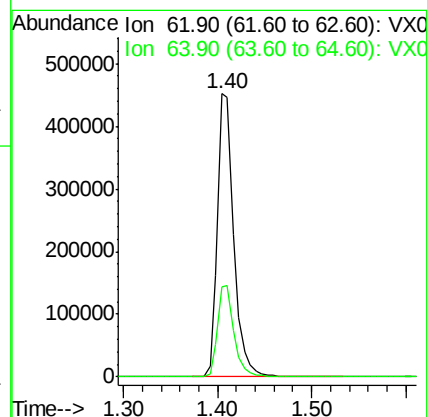
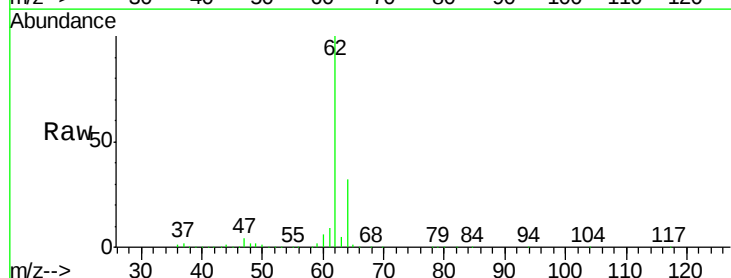
Acq: 09 Jul 2018 13:36

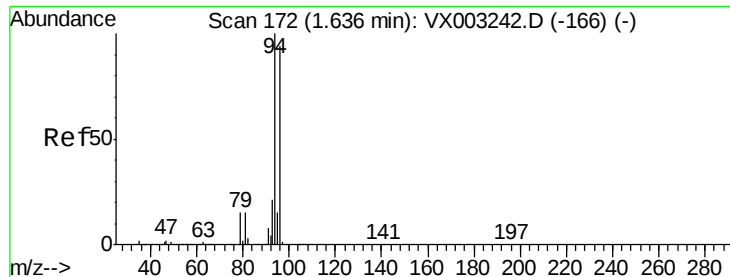
Tgt Ion: 62 Resp: 542830

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 110.50 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 199007

Ion Ratio Lower Upper

94 100

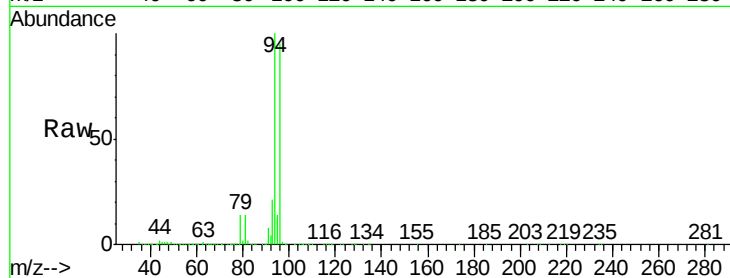
96 95.3 74.9 112.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200000

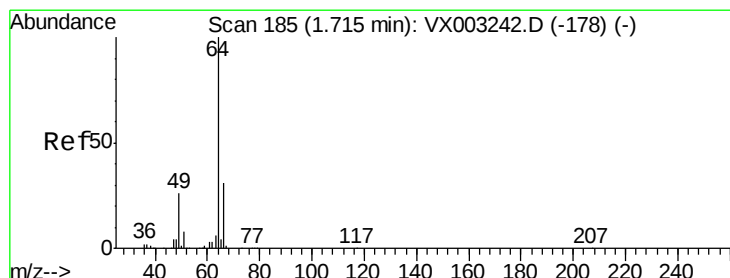
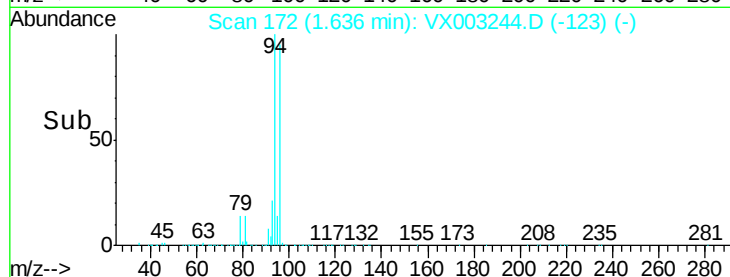
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 124.97 ug/l

RT: 1.70 min Scan# 183

Delta R.T. -0.01 min

Lab File: VX003244.D

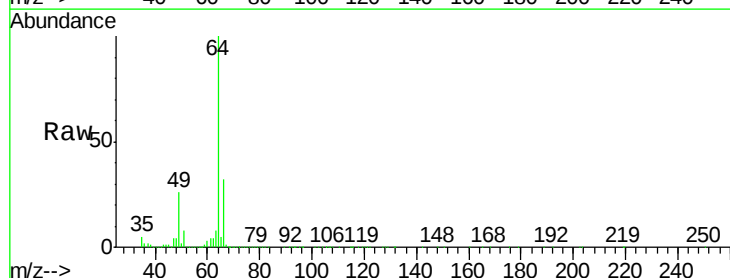
Acq: 09 Jul 2018 13:36

Tgt Ion: 64 Resp: 242530

Ion Ratio Lower Upper

64 100

66 32.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

200000

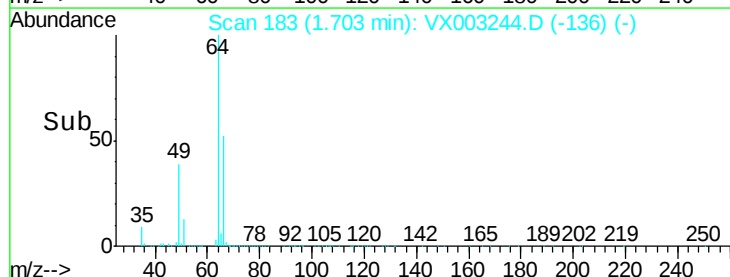
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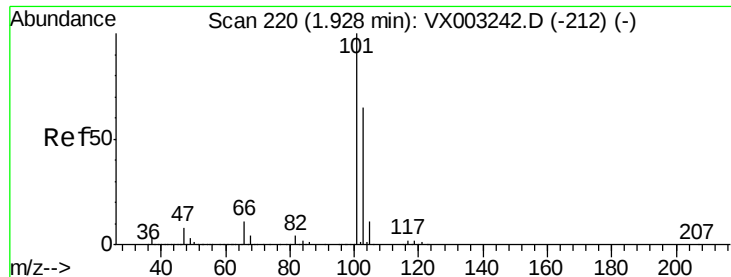
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Time-->





#7

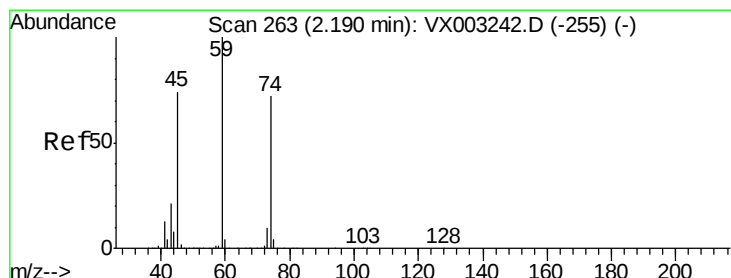
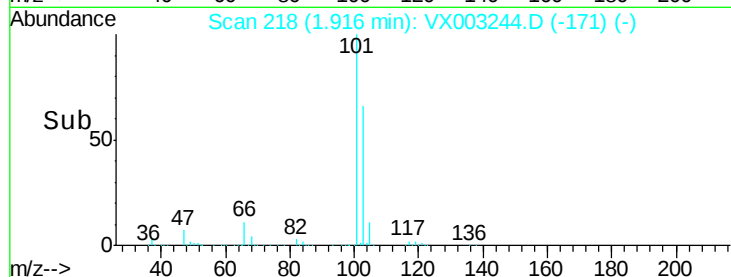
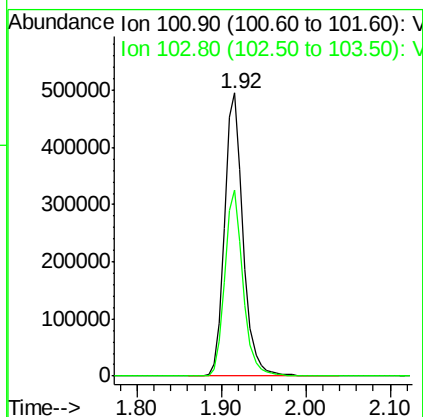
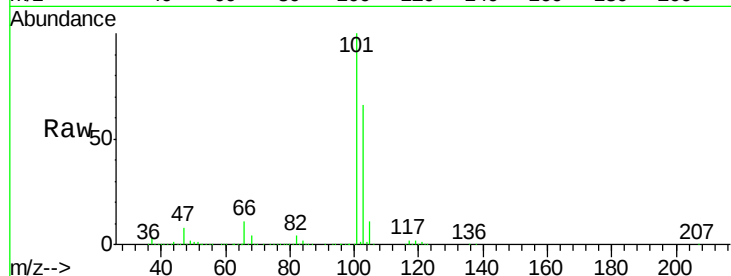
Trichlorofluoromethane
 Concen: 152.18 ug/l
 RT: 1.92 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VX003244.D
 Acq: 09 Jul 2018 13:36

Instrument :
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 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	748896		
103	65.9	52.8	79.2	

Manual Integrations
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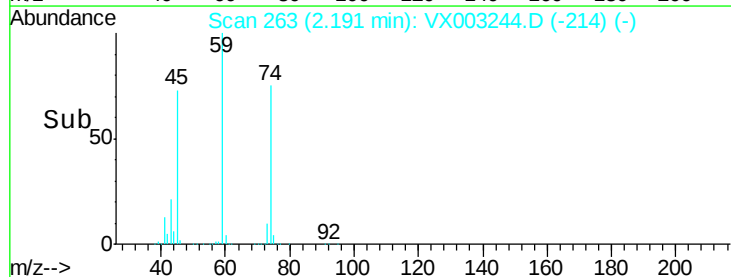
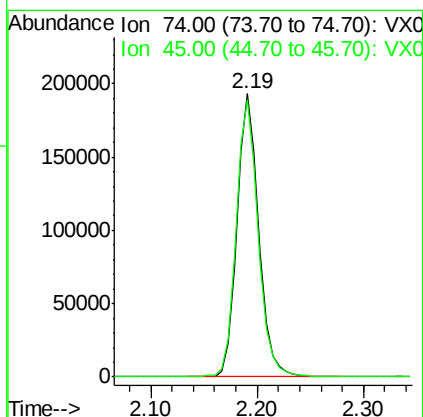
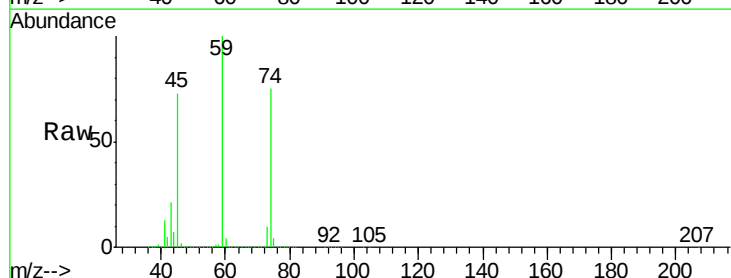
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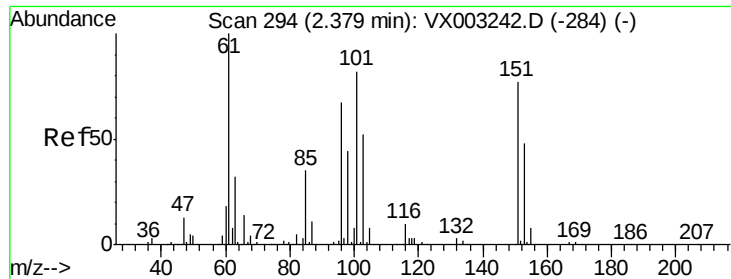


#8

Diethyl Ether
 Concen: 154.35 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003244.D
 Acq: 09 Jul 2018 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	276136		
45	99.6	53.1	159.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 154.40 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.01 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Instrument :

MSVOA_X

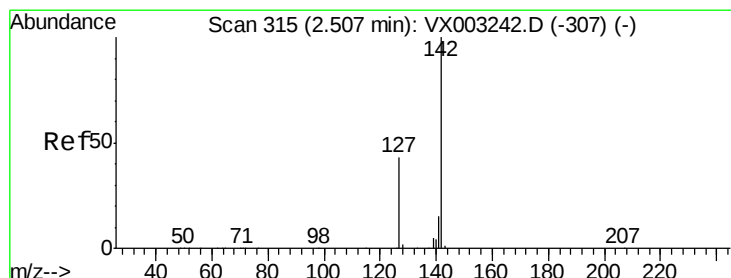
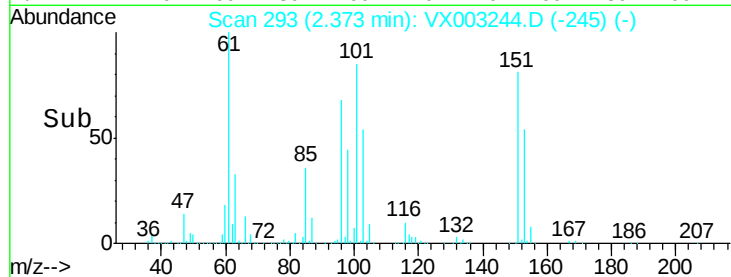
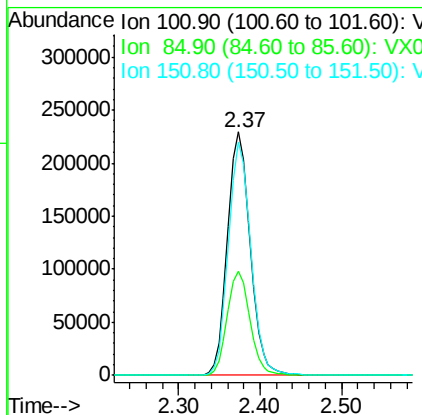
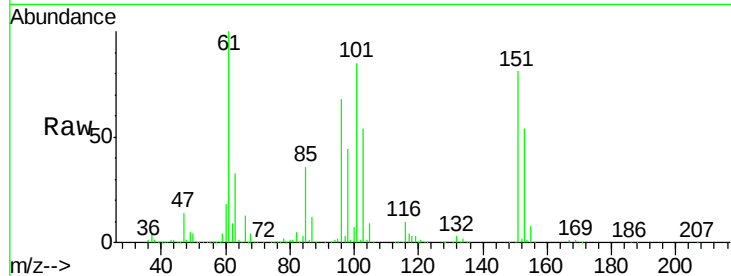
ClientSampleId :

VSTDICC150

Tot Ion:	101	Resp:	440253
Ion Ratio	Lower	Upper	
101	100		
85	42.7	36.0	54.0
151	95.0	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 218.55 ug/l

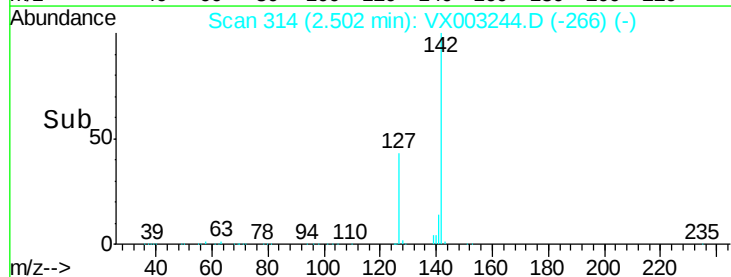
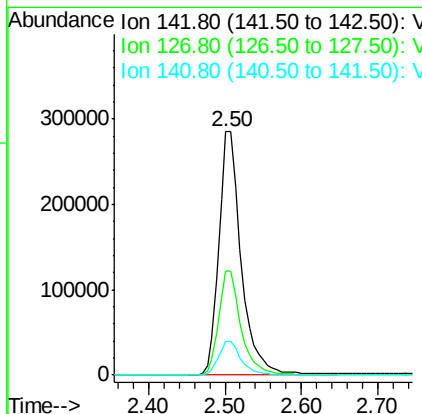
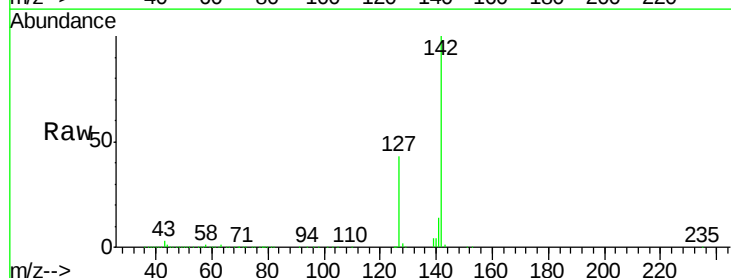
RT: 2.50 min Scan# 314

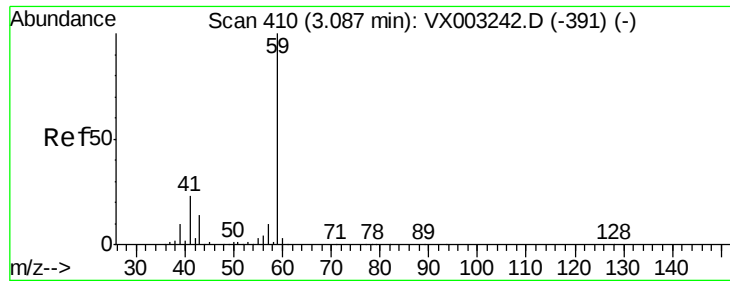
Delta R.T. -0.01 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Tgt Ion:	142	Resp:	580915
Ion Ratio	Lower	Upper	
142	100		
127	42.8	36.6	55.0
141	14.2	11.3	16.9





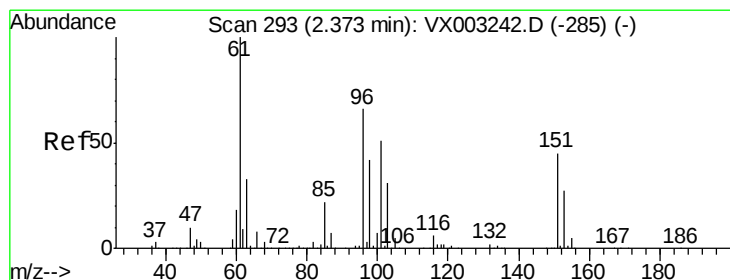
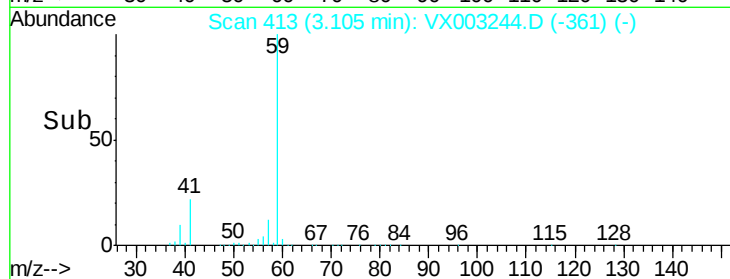
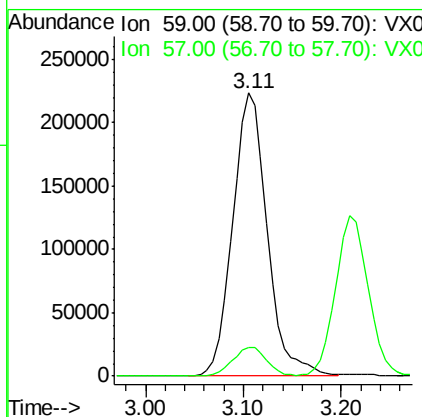
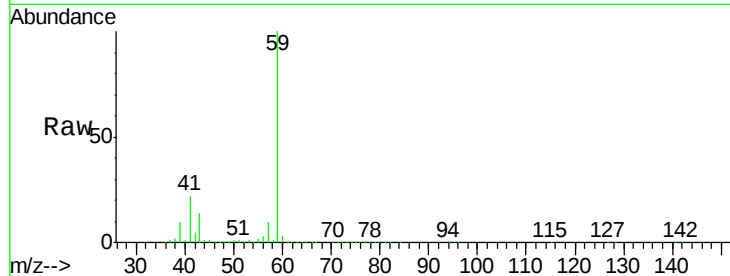
#11
Tert butyl alcohol
Concen: 768.98 ug/l
RT: 3.11 min Scan# 413
Delta R.T. 0.02 min
Lab File: VX003244.D
Acq: 09 Jul 2018 13:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

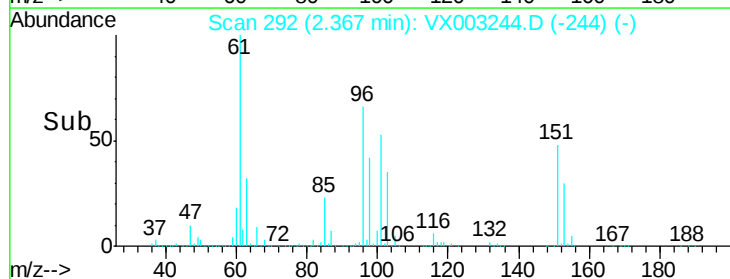
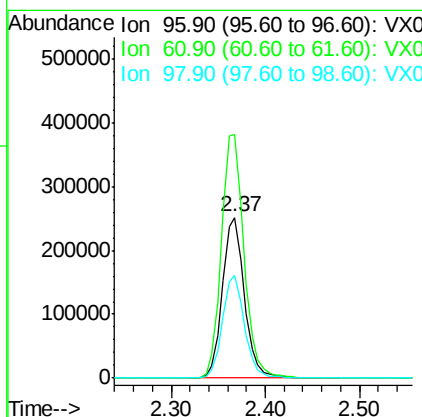
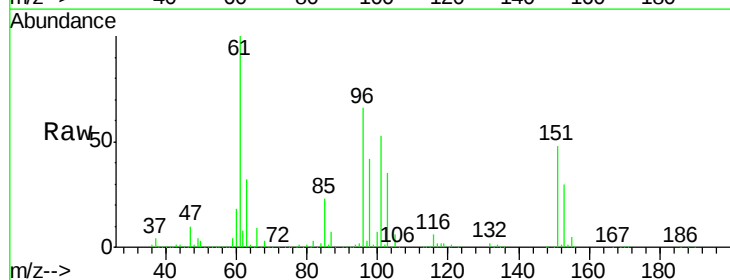
Manual Integrations
APPROVED

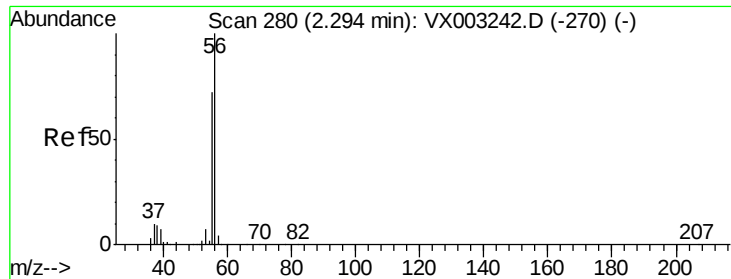
MMDadoda
7/10/2018 3:11:46 PM



#12
1,1-Dichloroethene
Concen: 160.17 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX003244.D
Acq: 09 Jul 2018 13:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.3	137.9	206.9
98	63.9	51.6	77.4





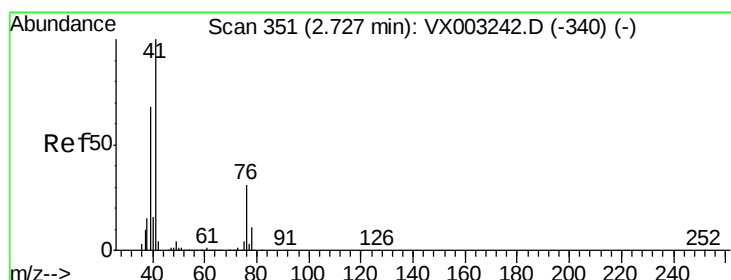
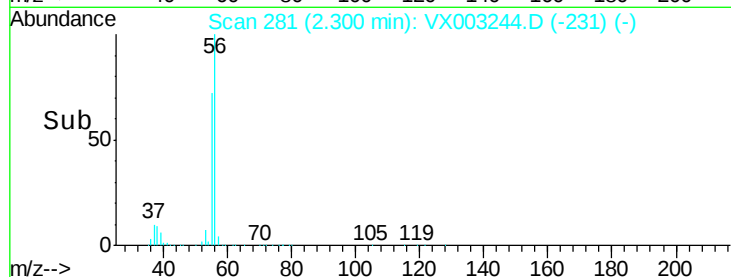
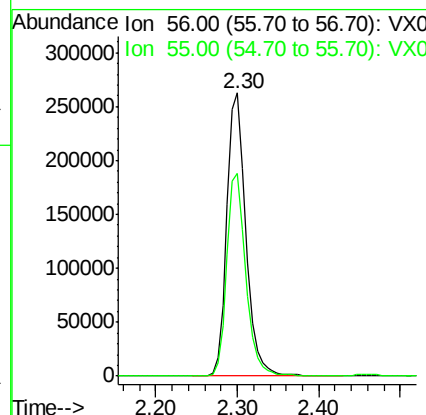
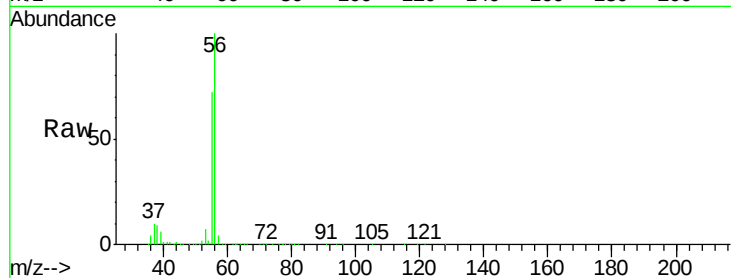
#13
Acrolein
Concen: 1010.69 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX003244.D
Acq: 09 Jul 2018 13:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.0	85.4

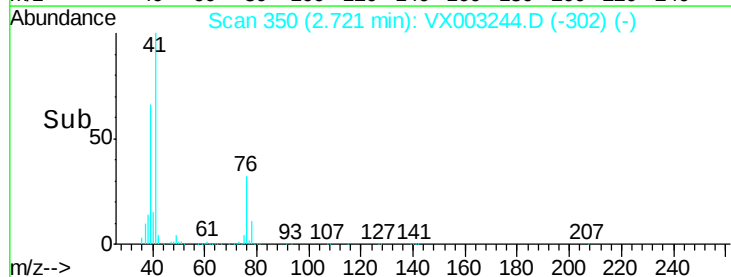
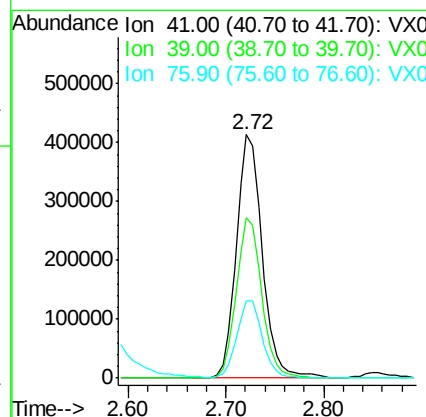
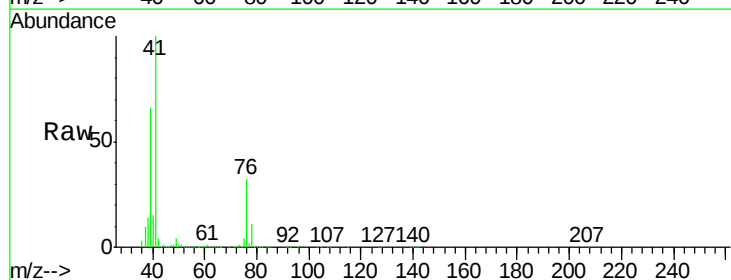
Manual Integrations
APPROVED

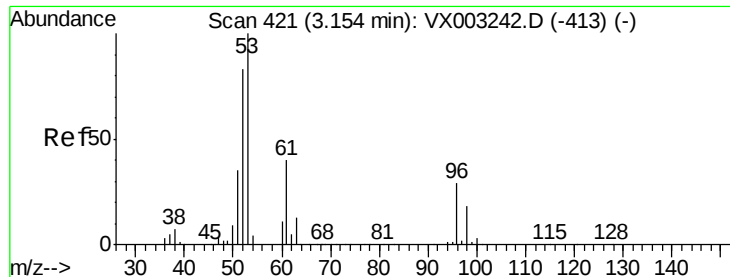
MMDadoda
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#14
Allyl chloride
Concen: 151.42 ug/l
RT: 2.72 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX003244.D
Acq: 09 Jul 2018 13:36

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.5	56.8	85.2
76	31.7	23.8	35.8





#15

Acrylonitrile

Concen: 774.61 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1175221

Ion Ratio Lower Upper

53 100

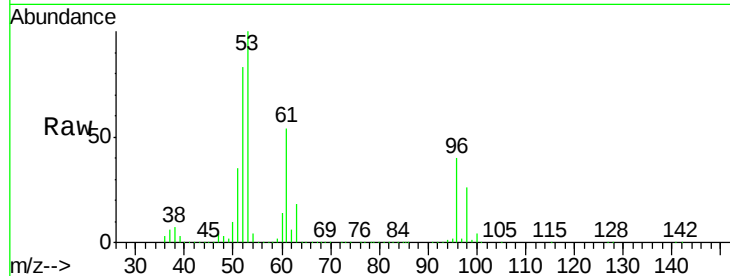
52 82.0 66.7 100.1

51 36.4 29.9 44.9

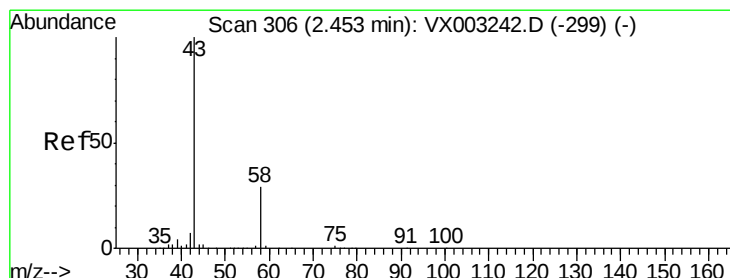
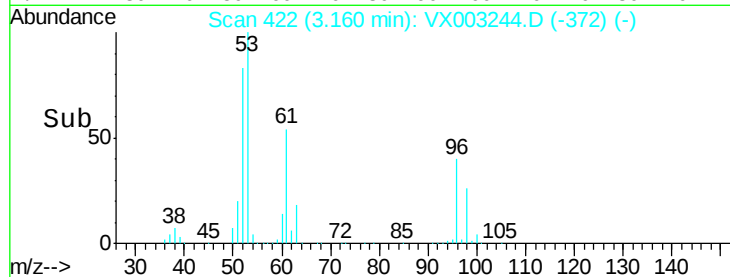
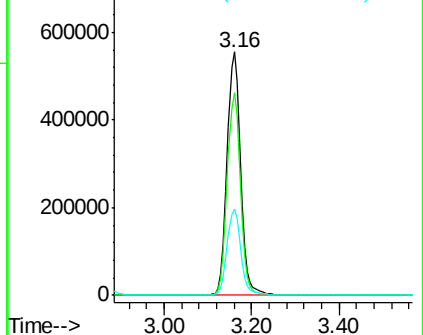
Manual Integrations
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Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 682.78 ug/l

RT: 2.46 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX003244.D

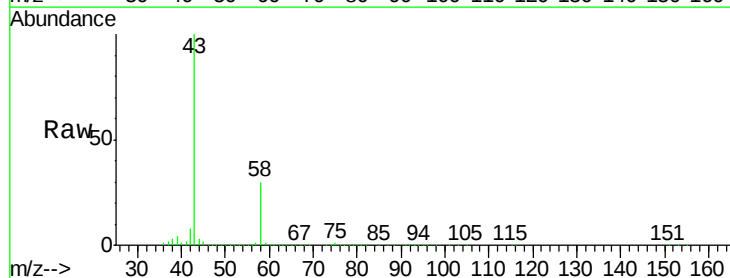
Acq: 09 Jul 2018 13:36

Tgt Ion: 43 Resp: 1008210

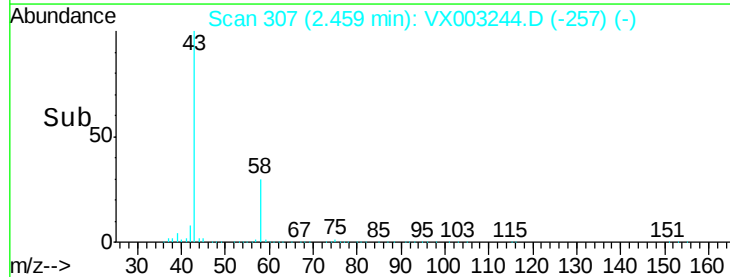
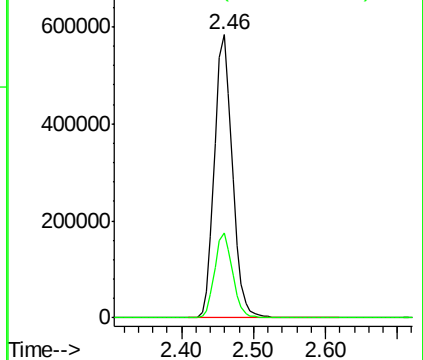
Ion Ratio Lower Upper

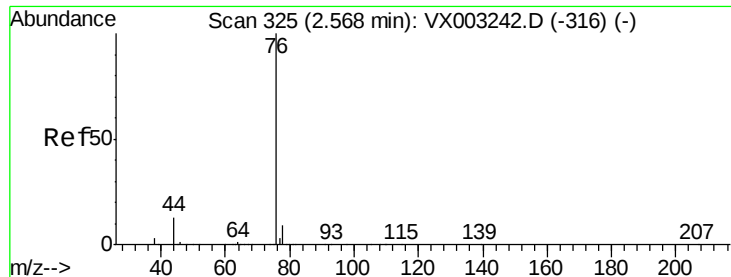
43 100

58 30.1 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 173.43 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Tot Ion: 76 Resp: 1175591

Ion Ratio Lower Upper

76 100

78 9.3 6.9 10.3

Instrument :

MSVOA_X

ClientSampleId :

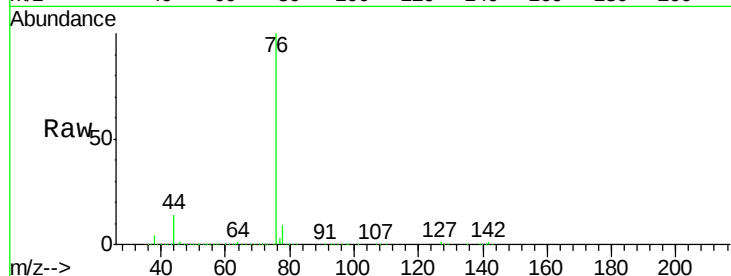
VSTDIC150

Manual Integrations

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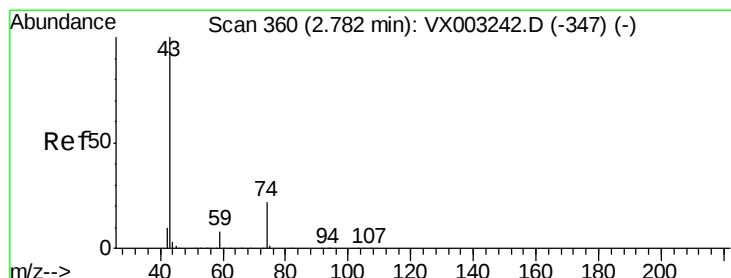
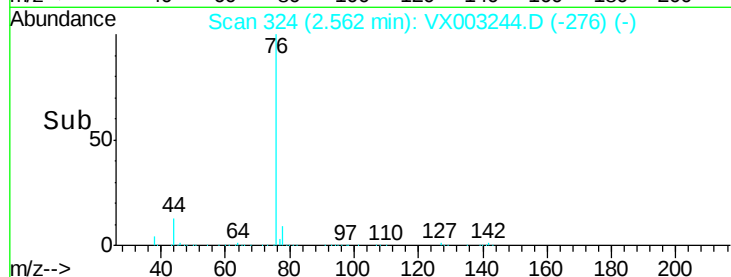
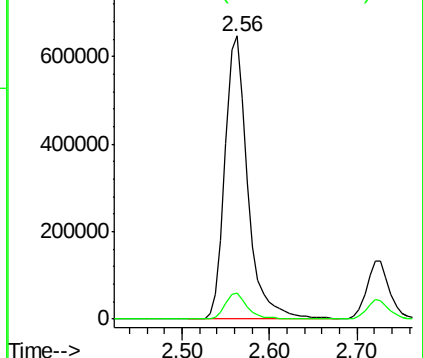
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 142.56 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003244.D

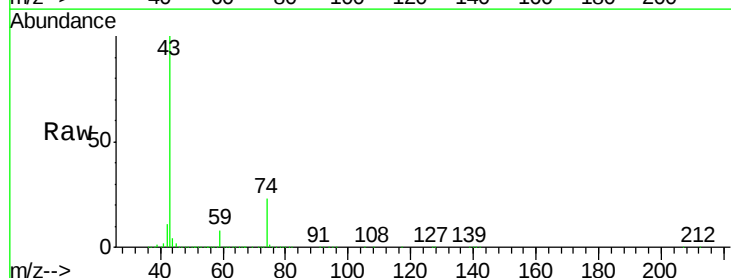
Acq: 09 Jul 2018 13:36

Tgt Ion: 43 Resp: 588556

Ion Ratio Lower Upper

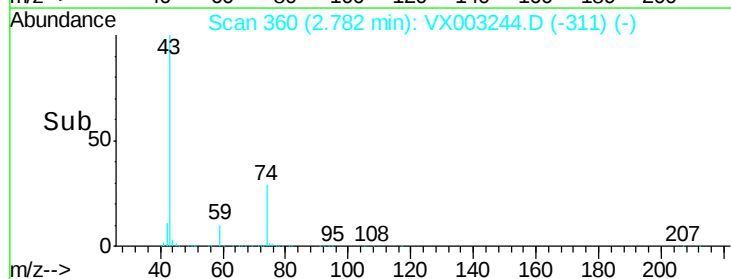
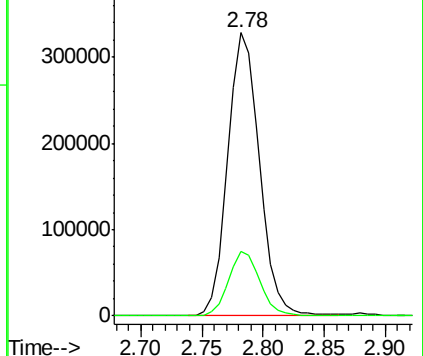
43 100

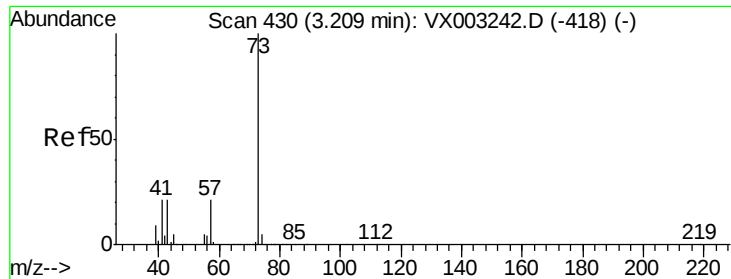
74 22.6 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





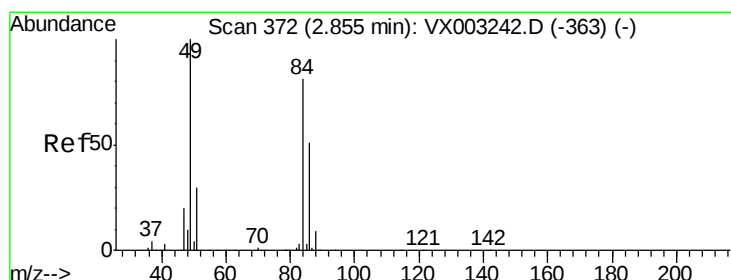
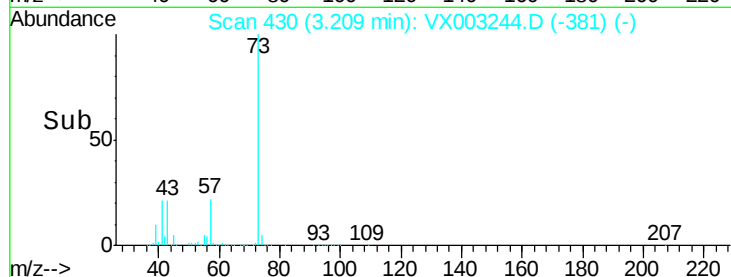
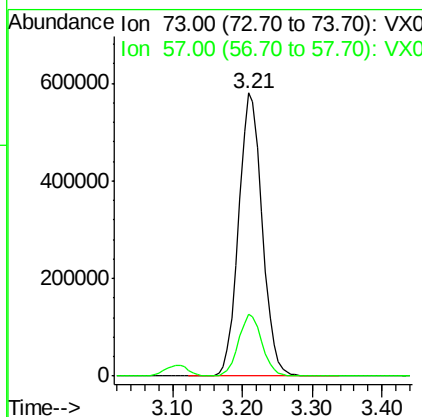
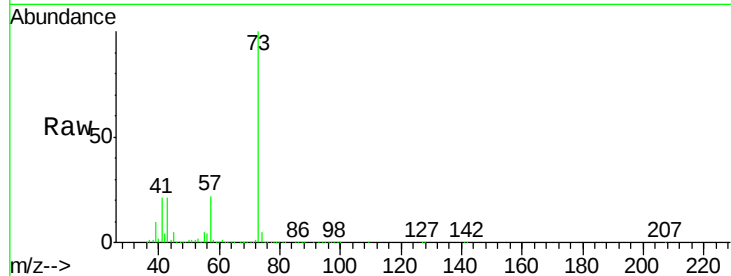
#19
Methvl tert-butvl Ether
Concen: 148.02 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003244.D
Acq: 09 Jul 2018 13:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1353800
Ion Ratio Lower Upper
73 100
57 21.8 17.7 26.5

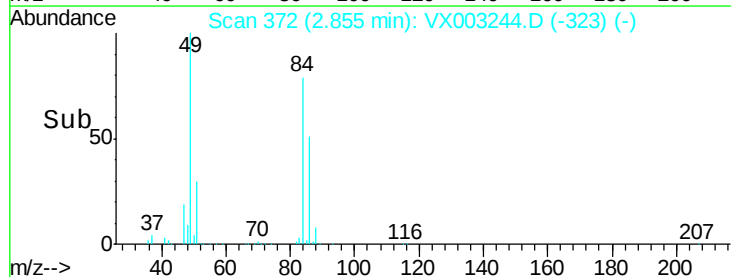
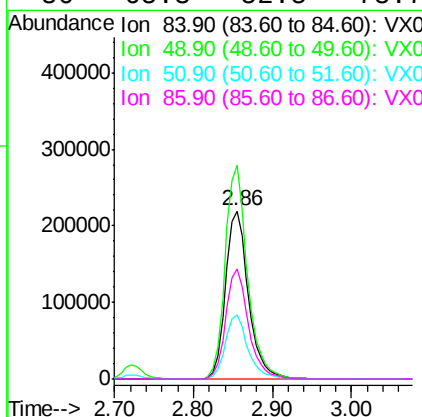
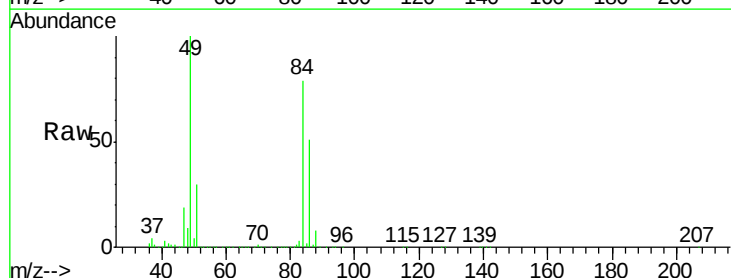
Manual Integrations
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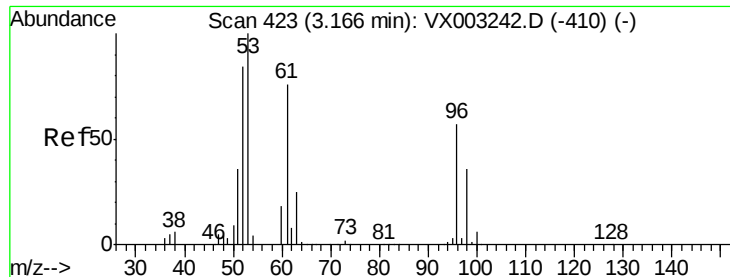
MMDadoda
7/10/2018 3:11:46 PM



#20
Methylene Chloride
Concen: 154.31 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003244.D
Acq: 09 Jul 2018 13:36

Tgt Ion: 84 Resp: 443402
Ion Ratio Lower Upper
84 100
49 126.9 107.8 161.6
51 38.2 32.8 49.2
86 65.3 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 157.46 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 436323

Ion Ratio Lower Upper

96 100

61 136.4 117.0 175.4

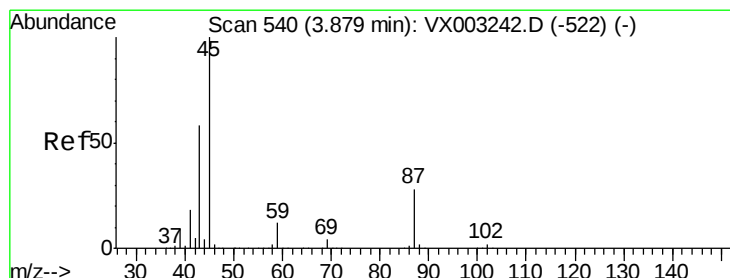
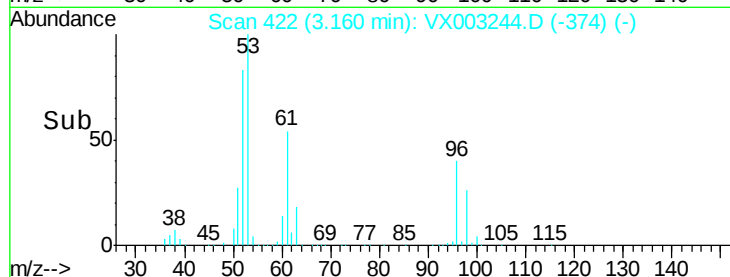
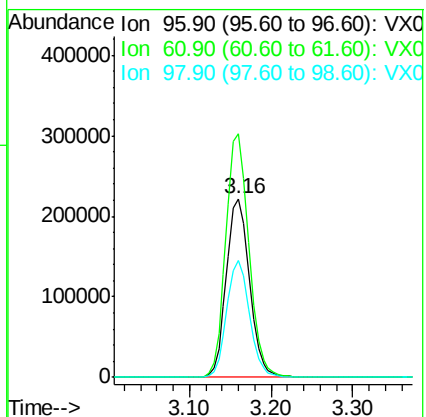
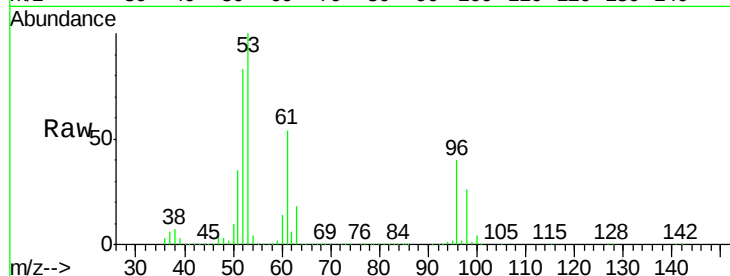
98 65.6 52.4 78.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 163.40 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Tgt Ion: 45 Resp: 1566434

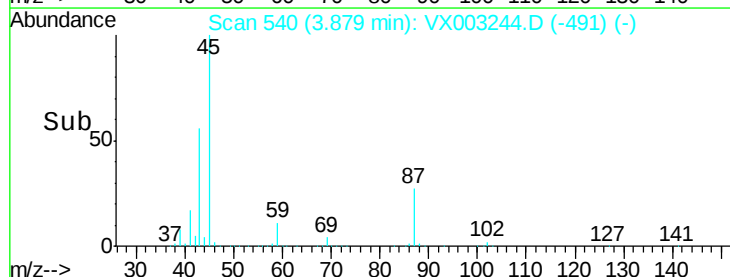
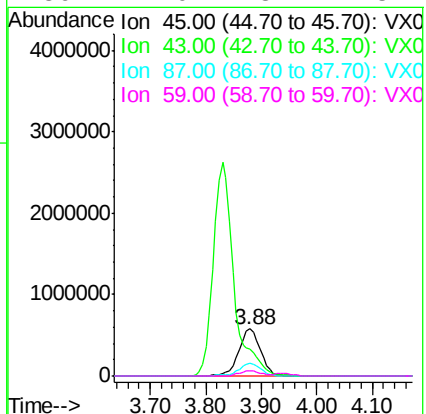
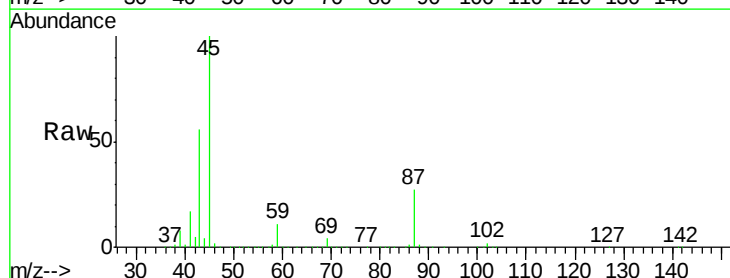
Ion Ratio Lower Upper

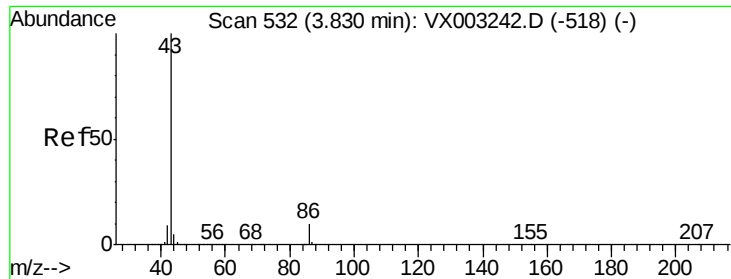
45 100

43 56.1 46.8 70.2

87 27.0 20.2 30.4

59 11.0 8.7 13.1





#23

Vinyl Acetate

Concen: 837.56 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 6798828

Ion Ratio Lower Upper

43 100

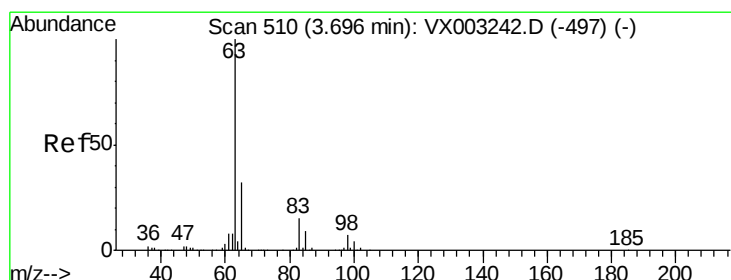
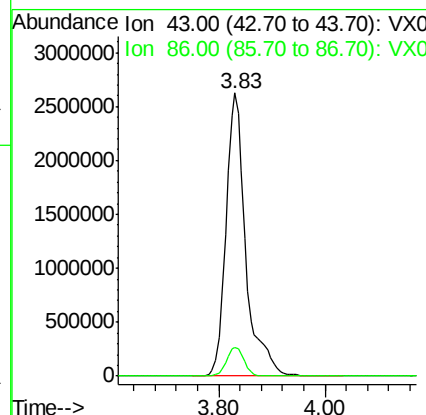
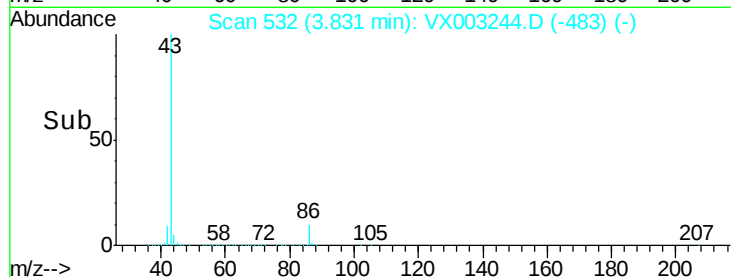
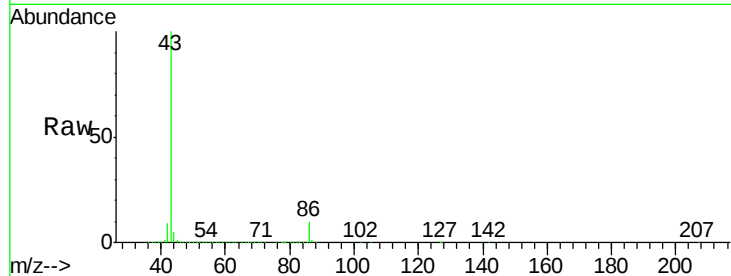
86 10.3 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 152.73 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.01 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

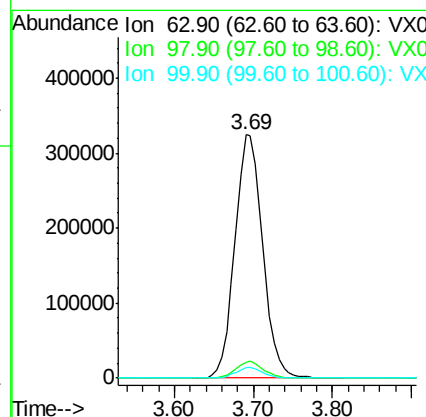
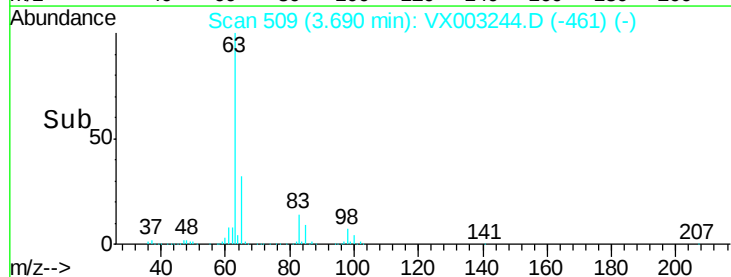
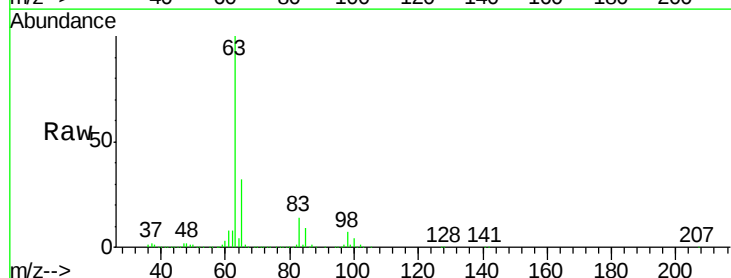
Tgt Ion: 63 Resp: 795770

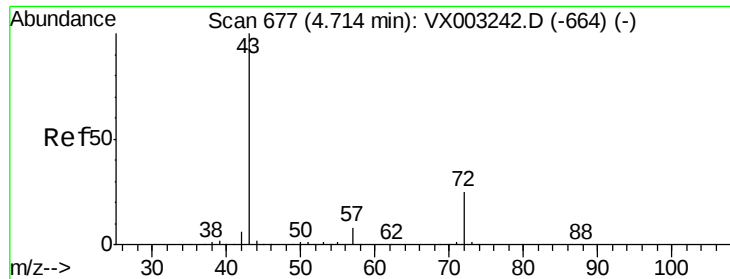
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 839.66 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1840070

Ion Ratio Lower Upper

43 100

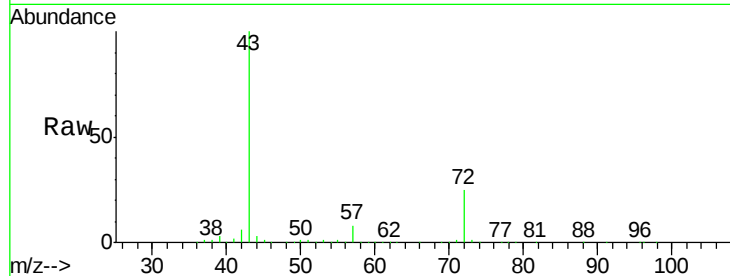
72 25.0 18.5 27.7

Manual Integrations

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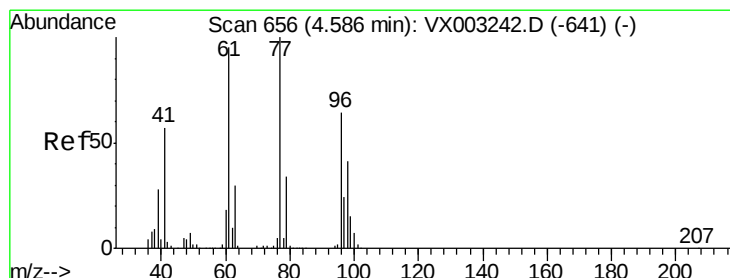
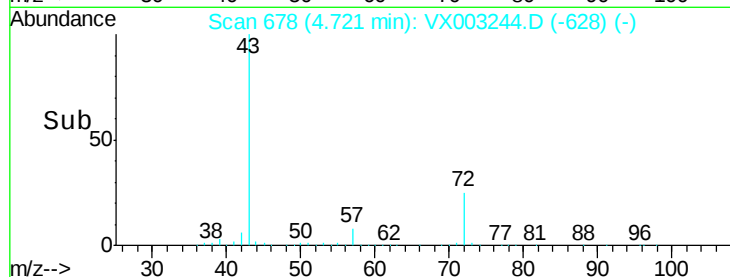
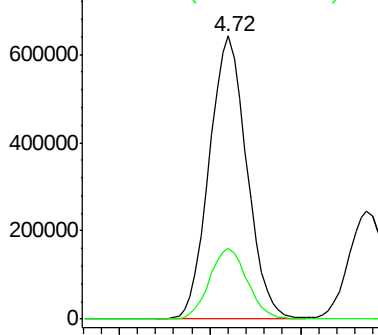
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 164.52 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003244.D

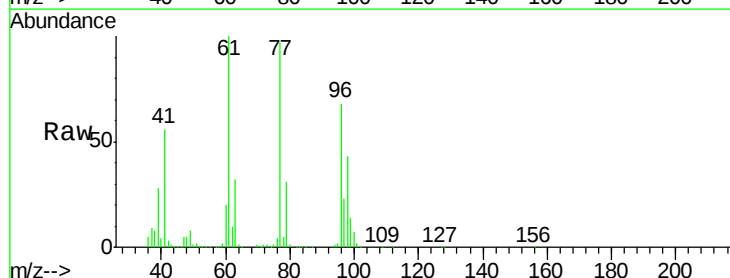
Acq: 09 Jul 2018 13:36

Tgt Ion: 77 Resp: 697032

Ion Ratio Lower Upper

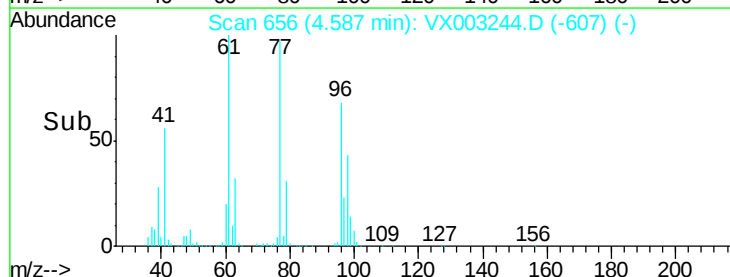
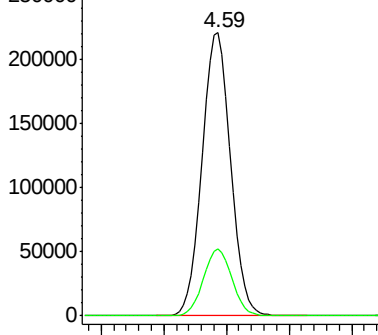
77 100

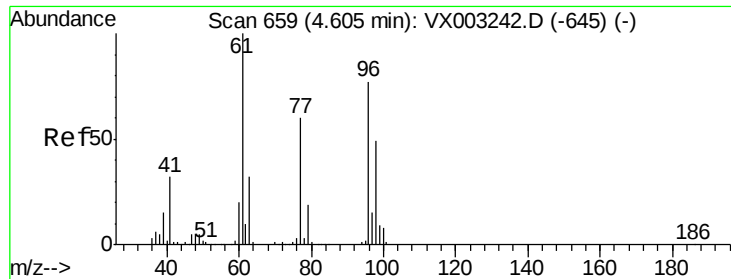
97 23.6 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

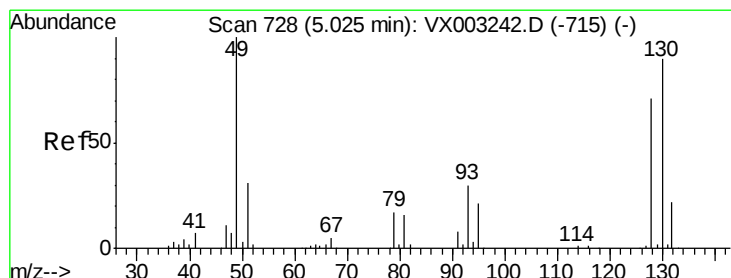
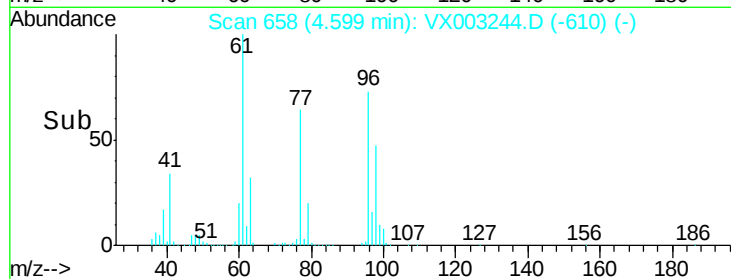
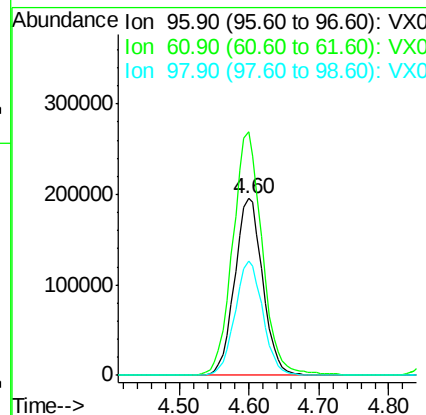
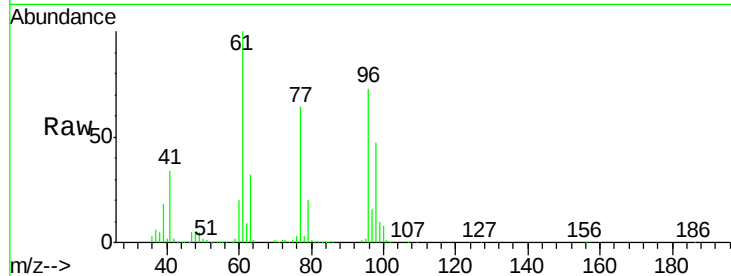
cis-1,2-Dichloroethene
Concen: 174.78 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX003244.D
Acq: 09 Jul 2018 13:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	145.8	0.0	330.2	
98	64.3	0.0	130.2	

Manual Integrations
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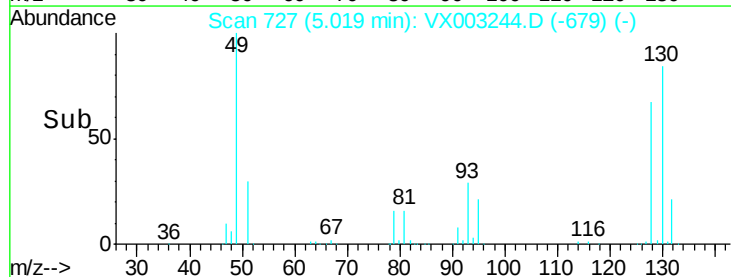
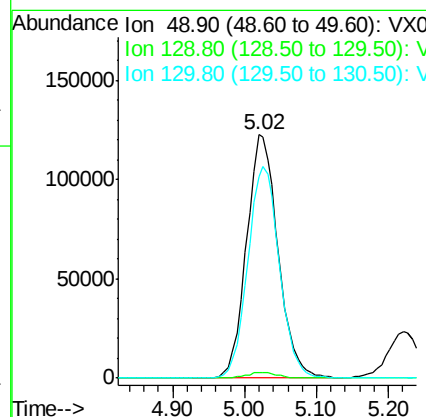
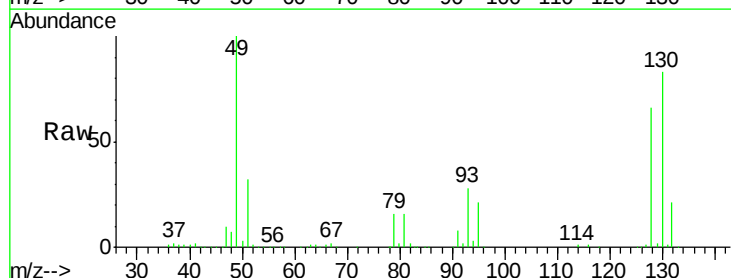
MMDadoda
7/10/2018 3:11:46 PM

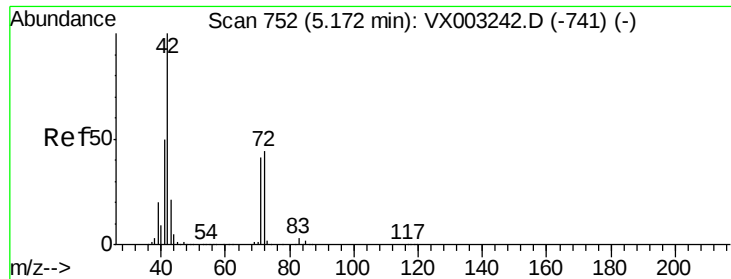


#28

Bromochloromethane
Concen: 148.82 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX003244.D
Acq: 09 Jul 2018 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.2	
130	87.2	61.2	91.8	





#29

Tetrahydrofuran

Concen: 832.50 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Instrument :

MSVOA_X

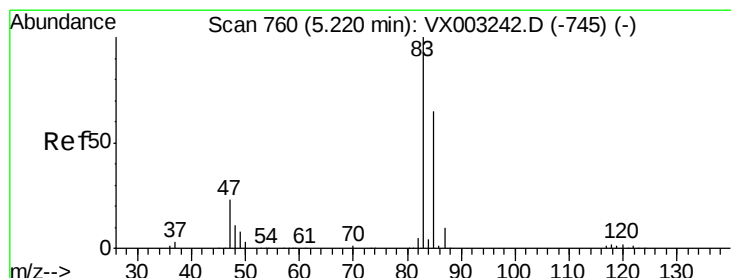
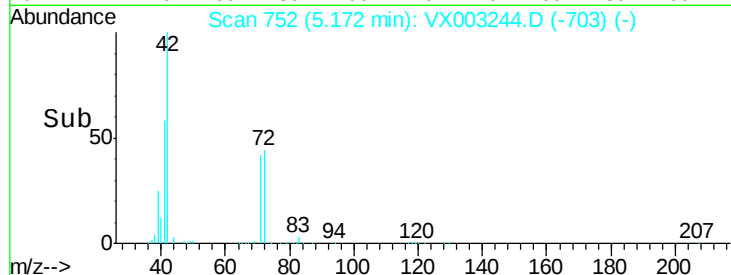
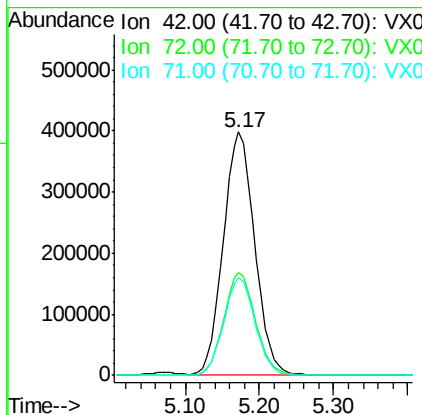
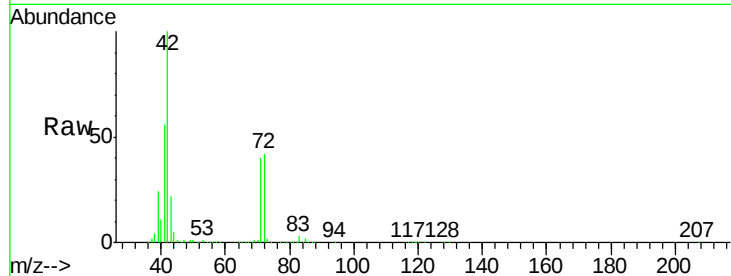
ClientSampleId :

VSTDIC150

Tot Ion:	42	Resp:	1169931
Ion	Ratio	Lower	Upper
42	100		
72	42.8	32.0	48.0
71	40.0	30.1	45.1

Manual Integrations
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#30

Chloroform

Concen: 165.97 ug/l

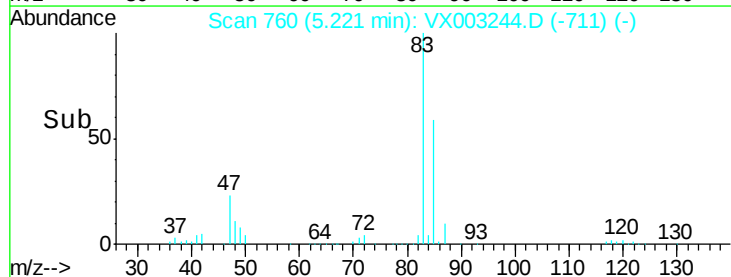
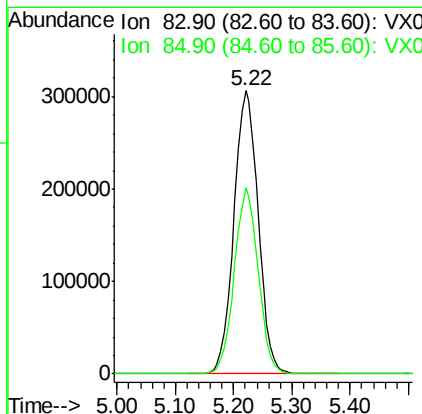
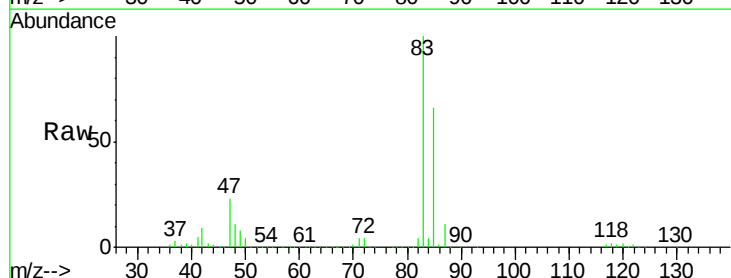
RT: 5.22 min Scan# 760

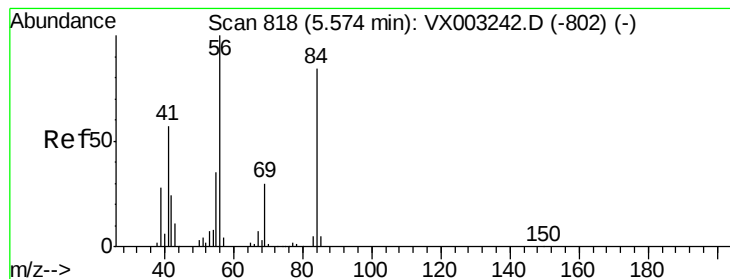
Delta R.T. 0.00 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Tgt Ion:	83	Resp:	887503
Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.4	75.6





#31

Cyclohexane

Concen: 174.00 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Instrument :

MSVOA_X

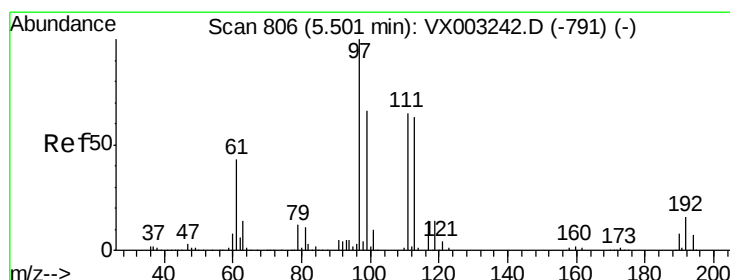
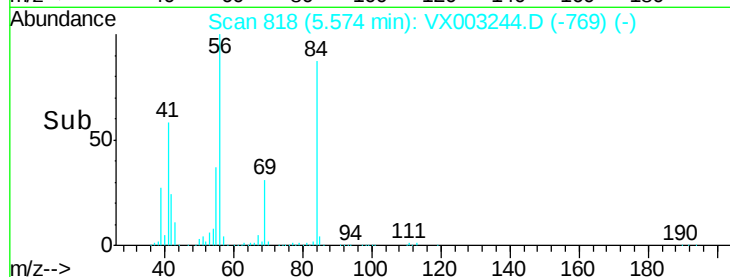
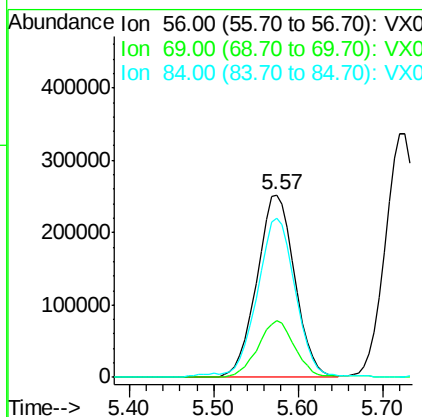
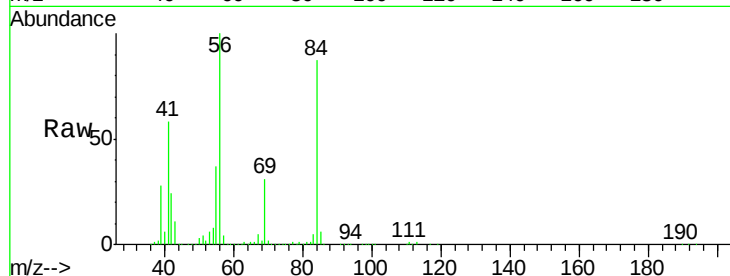
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	778057
Ion Ratio	Lower	Upper	
56	100		
69	31.4	23.7	35.5
84	86.7	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 173.60 ug/l

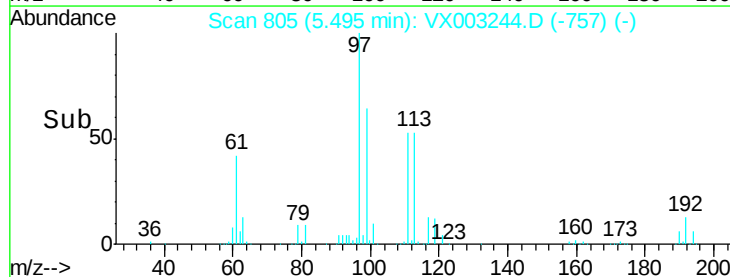
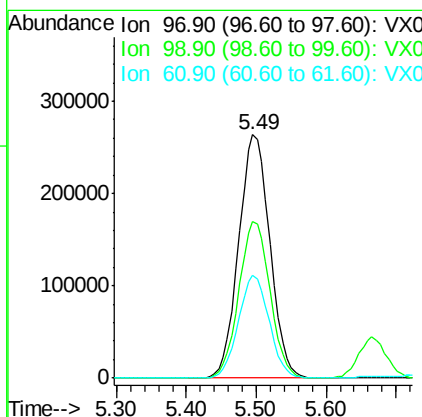
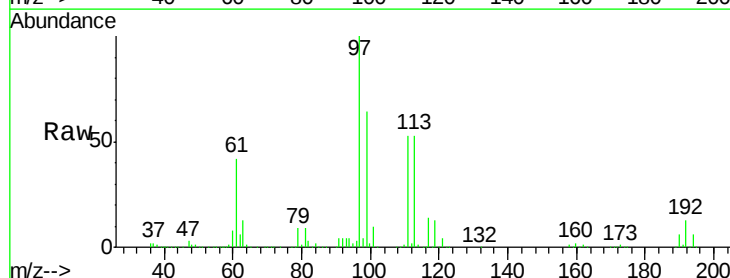
RT: 5.49 min Scan# 805

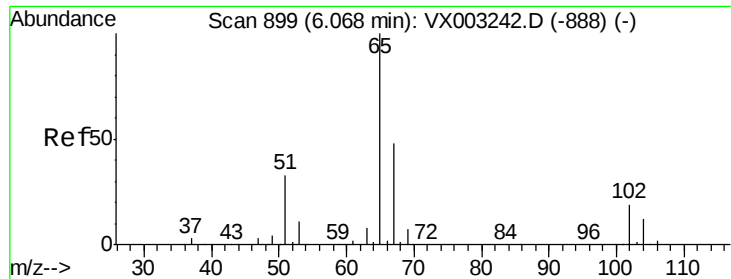
Delta R.T. -0.01 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Tgt Ion:	97	Resp:	816711
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.6	77.4
61	41.7	36.4	54.6





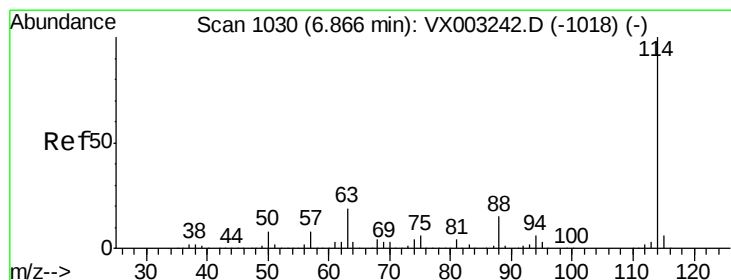
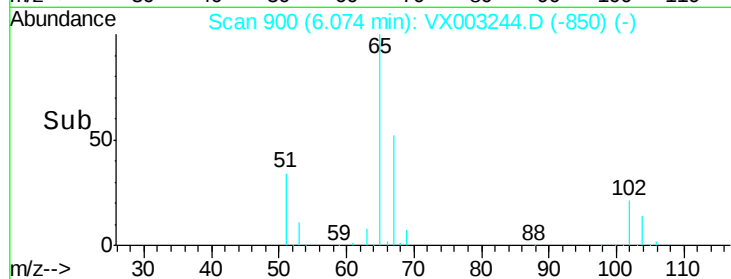
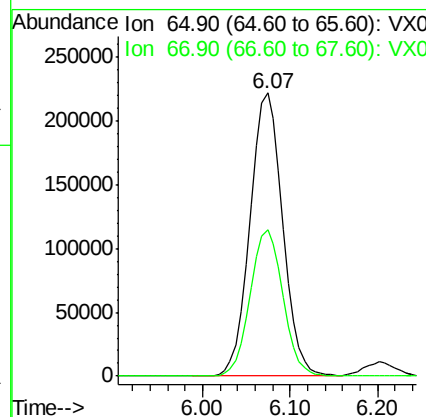
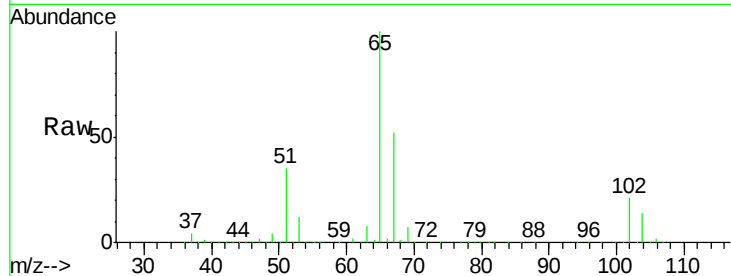
#33
 1,2-Dichloroethane-d4
 Concen: 161.26 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003244.D
 Acq: 09 Jul 2018 13:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	102.6

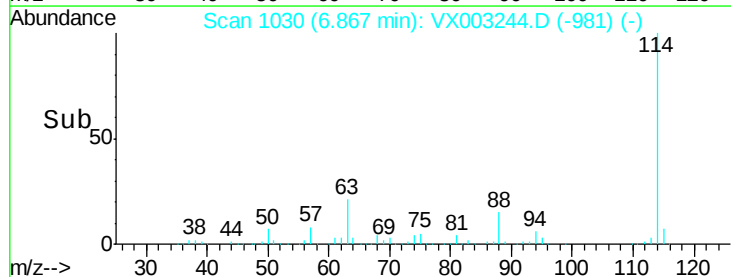
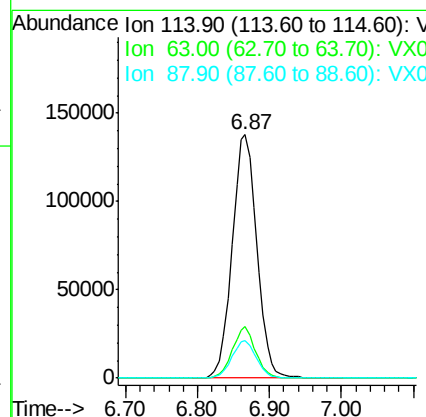
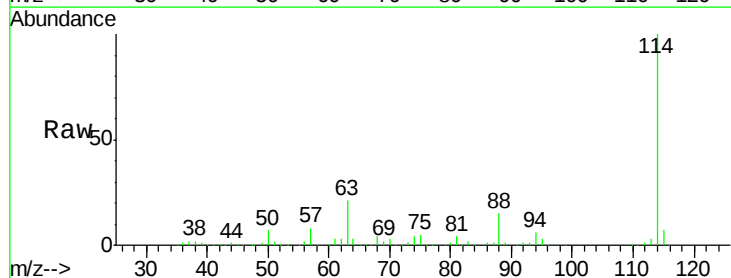
Manual Integrations
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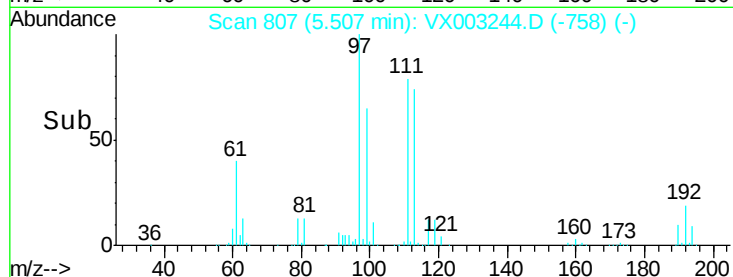
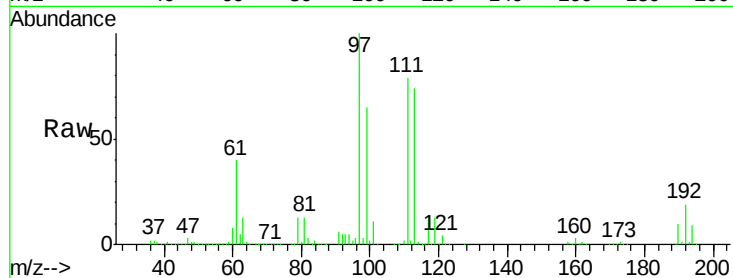
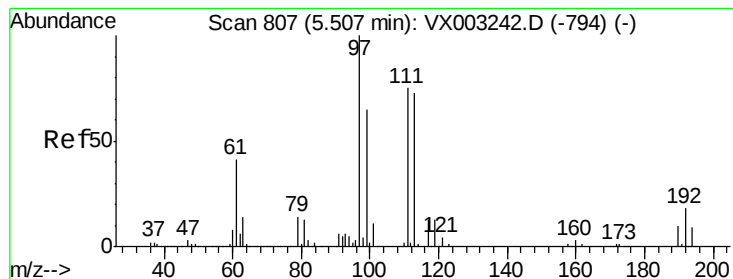
MMDadoda
 7/10/2018 3:11:46 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003244.D
 Acq: 09 Jul 2018 13:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	41.4
88	15.3	0.0	30.0





#35

Dibromofluoromethane

Concen: 188.74 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003244.D

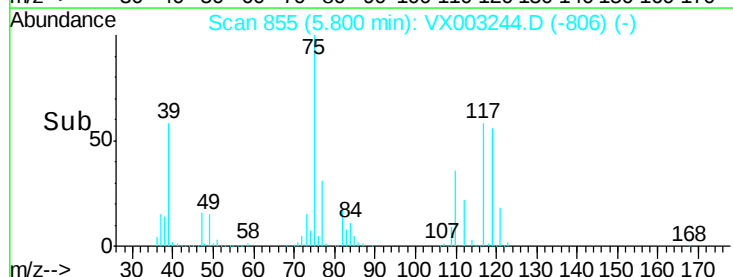
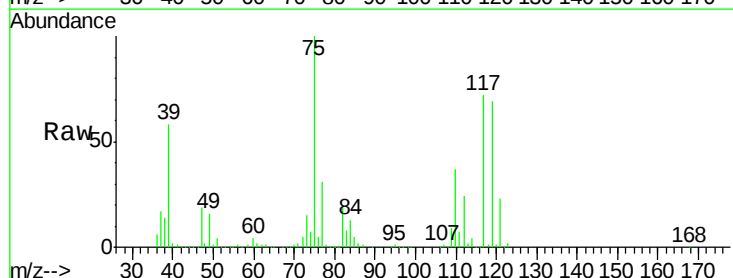
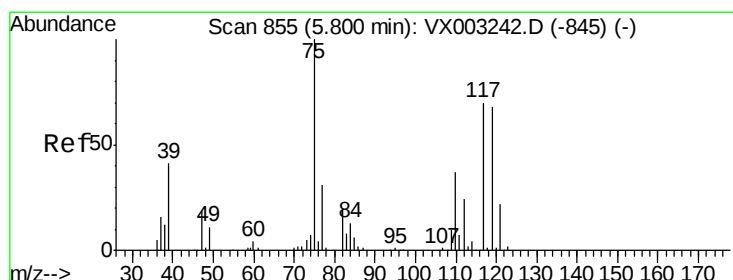
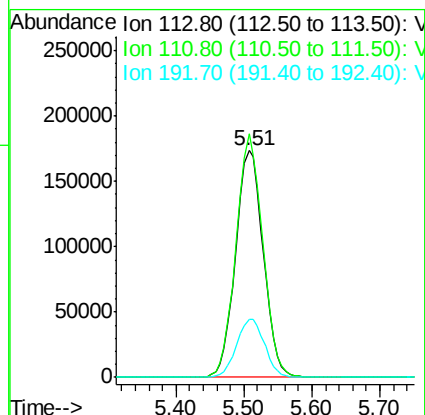
Acq: 09 Jul 2018 13:36

Tot Ion	Ratio	Resp	Lower	Upper
113	100	492282		
111	103.0	81.4	122.0	
192	25.8	19.1	28.7	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 185.10 ug/l

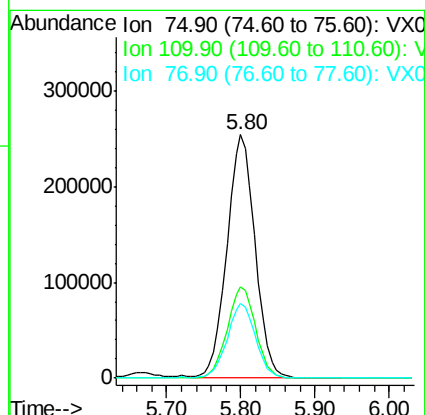
RT: 5.80 min Scan# 855

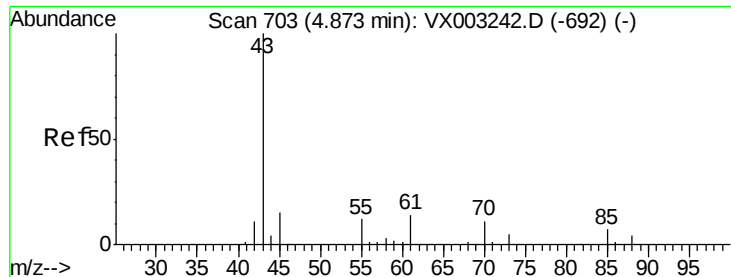
Delta R.T. 0.00 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	668559		
110	38.0	18.1	54.4	
77	31.0	24.3	36.5	





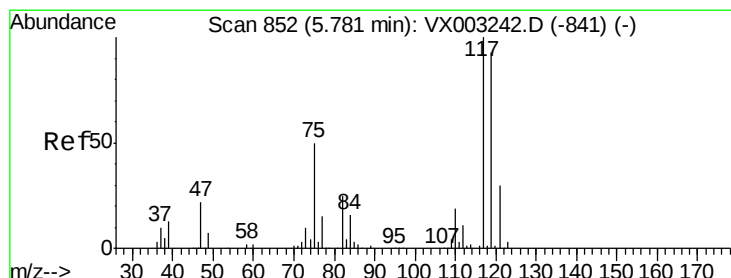
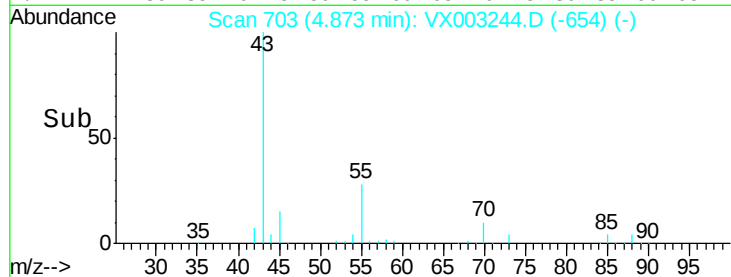
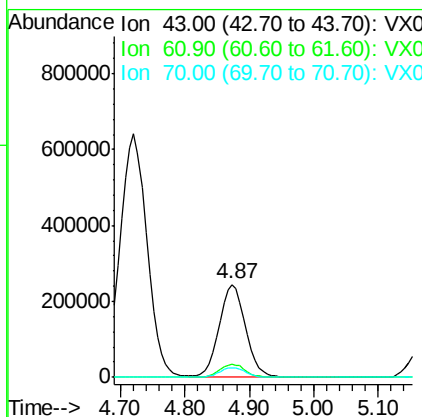
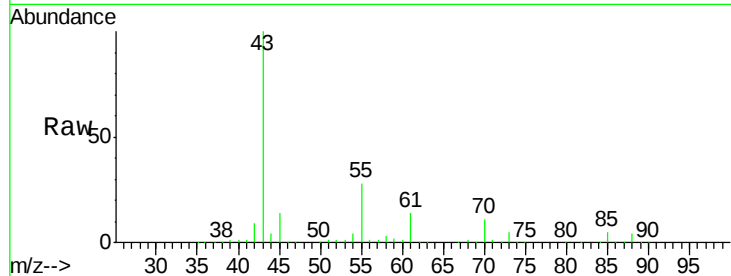
#37
Ethyl Acetate
Concen: 182.59 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX003244.D
Acq: 09 Jul 2018 13:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.4	15.6
70	10.1	7.6	11.4

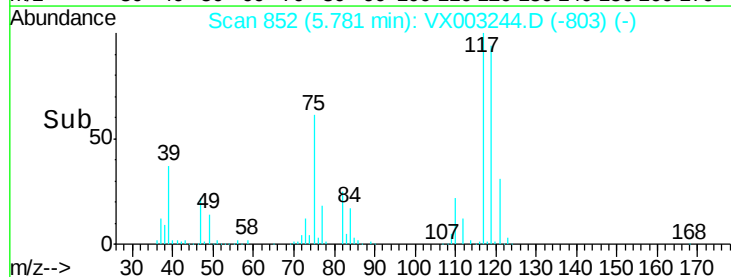
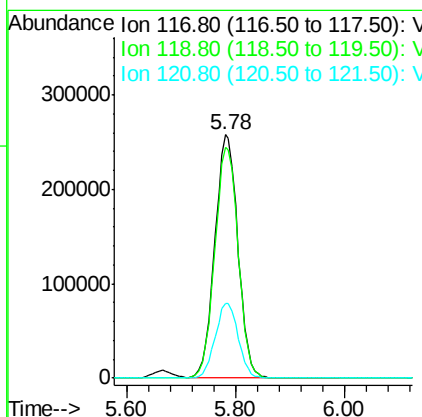
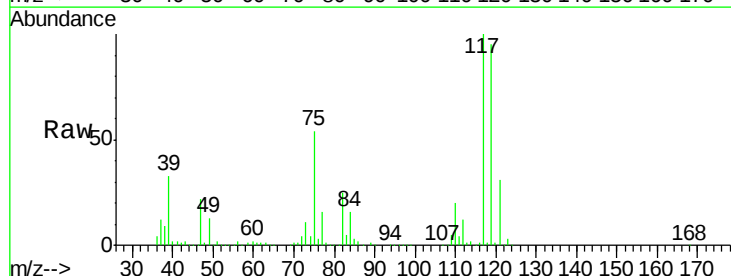
Manual Integrations
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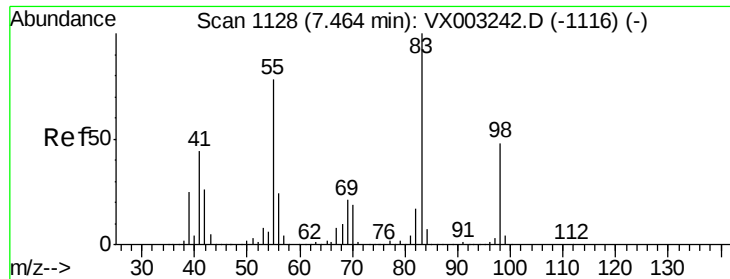
MMDadoda
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#38
Carbon Tetrachloride
Concen: 190.38 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003244.D
Acq: 09 Jul 2018 13:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.4	116.0
121	30.8	24.4	36.6





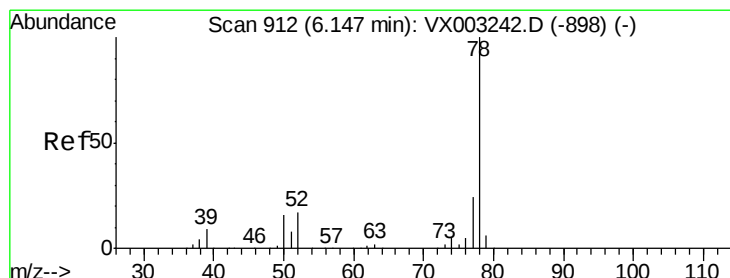
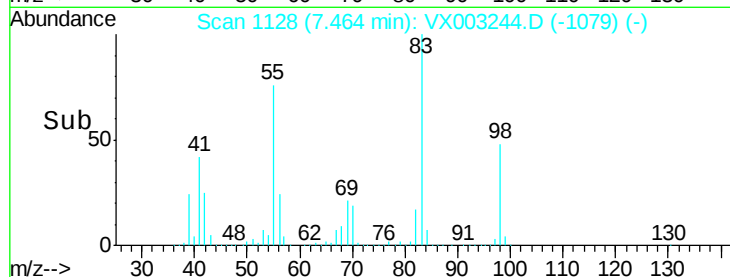
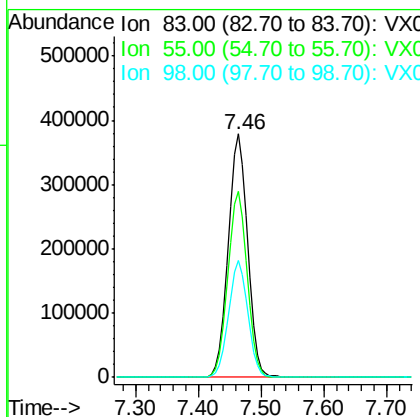
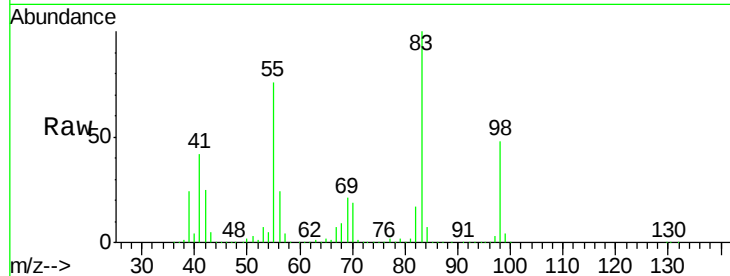
#39
Methvlcvclohexane
Concen: 192.34 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003244.D
Acq: 09 Jul 2018 13:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	65.4	98.0
98	47.8	37.4	56.0

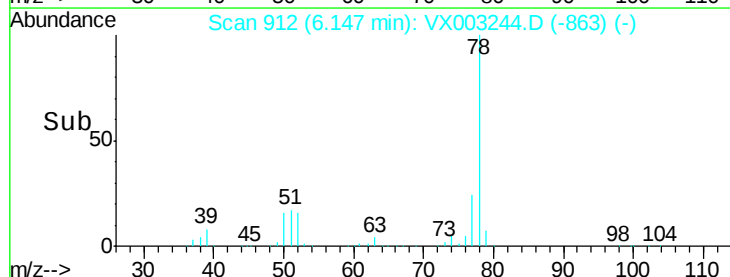
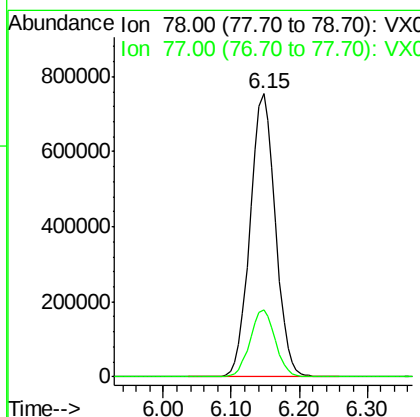
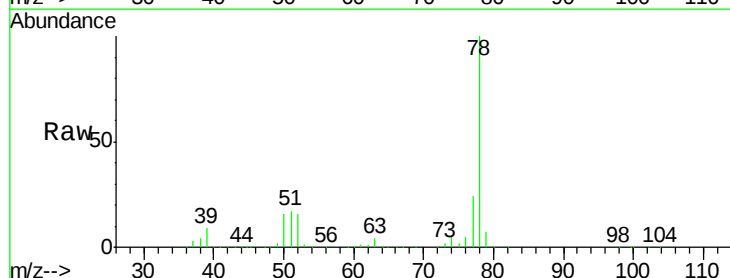
Manual Integrations
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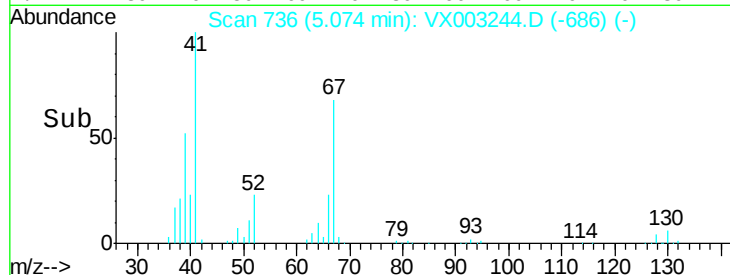
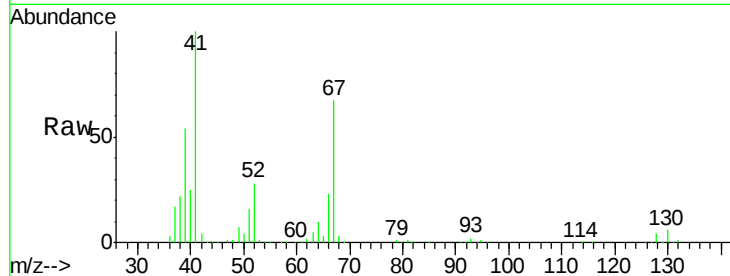
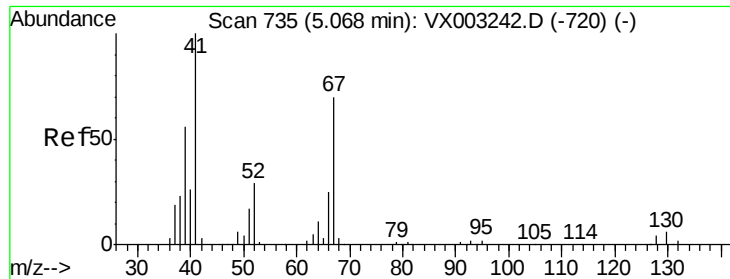
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#40
Benzene
Concen: 186.64 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003244.D
Acq: 09 Jul 2018 13:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7





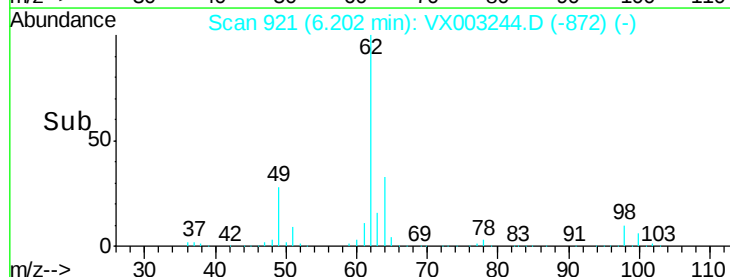
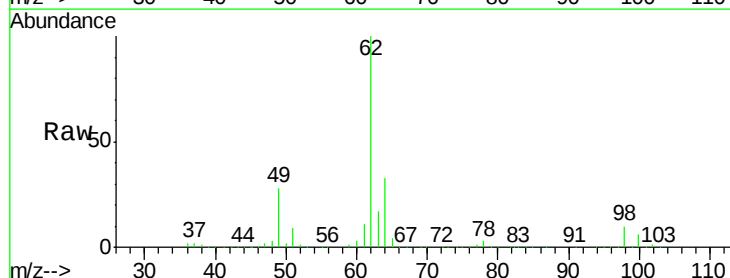
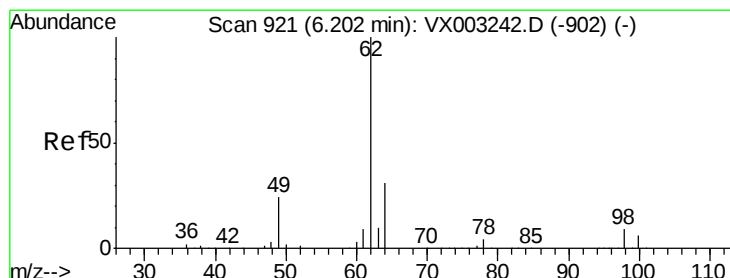
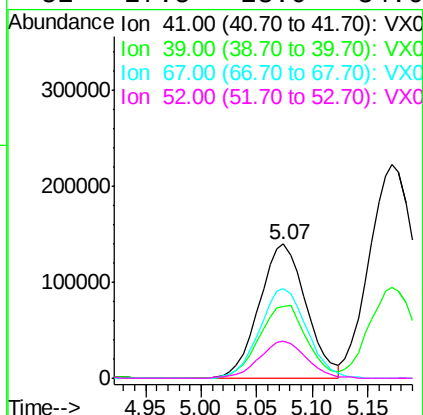
#41
Methacrylonitrile
Concen: 182.70 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX003244.D
Acq: 09 Jul 2018 13:36

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		409129		
39	55.2	45.8	68.6		
67	67.9	51.3	76.9		
52	27.5	23.0	34.6		

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

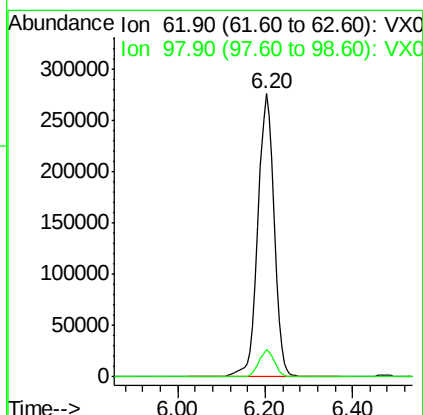
Manual Integrations
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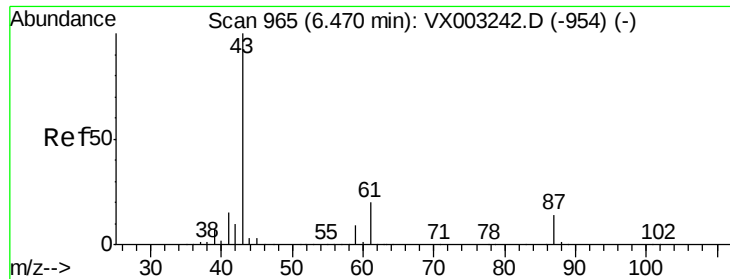
MMDadoda
7/10/2018 3:11:46 PM



#42
1,2-Dichloroethane
Concen: 166.56 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003244.D
Acq: 09 Jul 2018 13:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		706066		
98	9.1	0.0	16.6		





#43

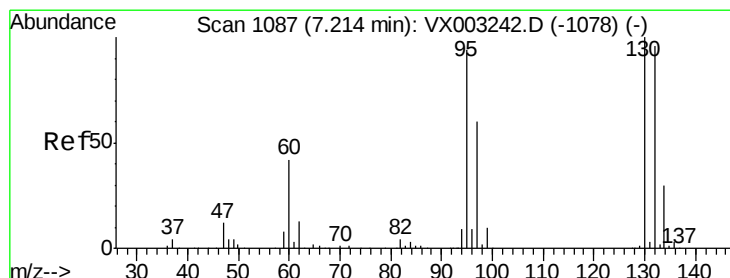
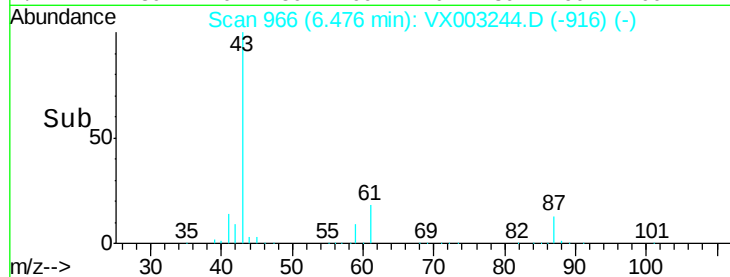
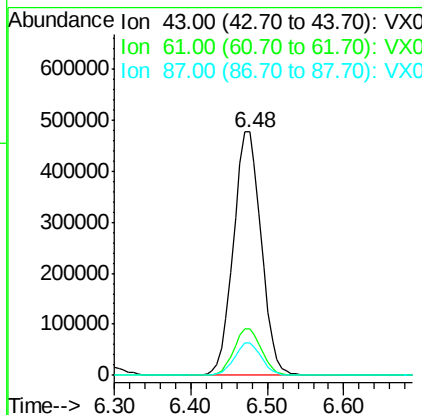
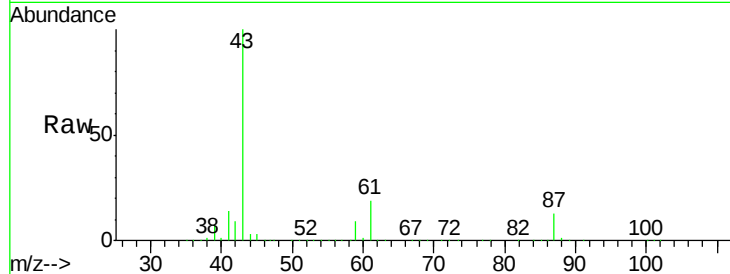
Isopropyl Acetate
 Concen: 183.31 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.01 min
 Lab File: VX003244.D
 Acq: 09 Jul 2018 13:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 1195597
 Ion Ratio Lower Upper
 43 100
 61 19.3 14.4 21.6
 87 13.0 9.5 14.3

Manual Integrations
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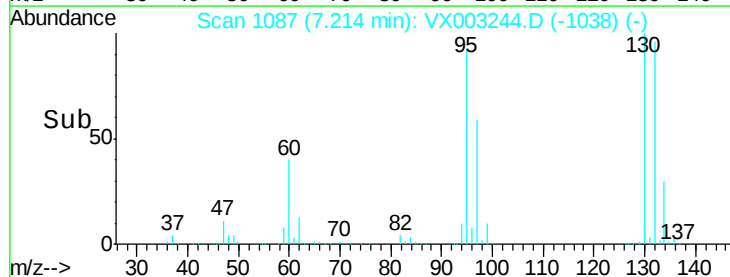
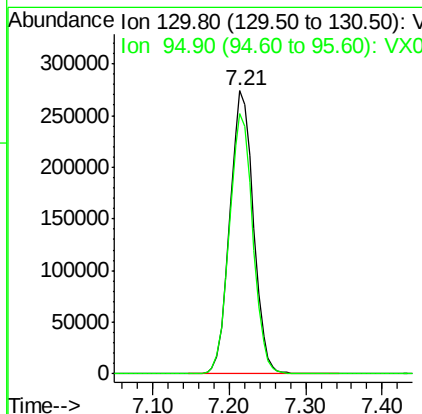
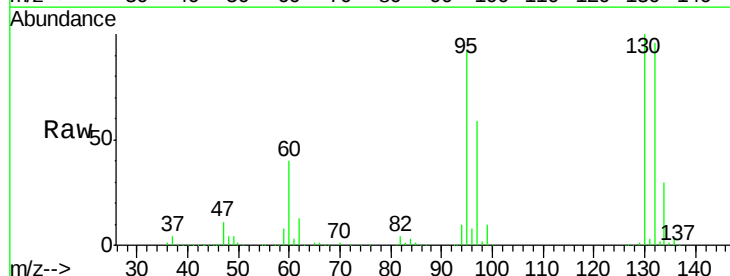
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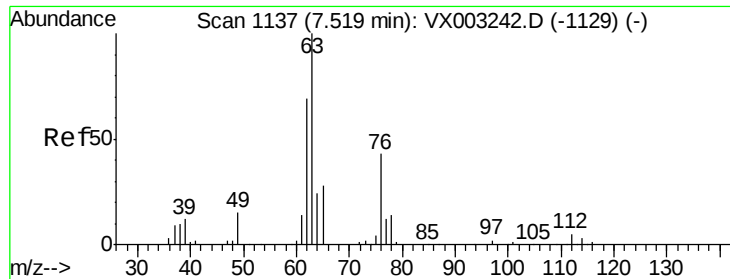


#44

Trichloroethene
 Concen: 186.20 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003244.D
 Acq: 09 Jul 2018 13:36

Tgt Ion:130 Resp: 582586
 Ion Ratio Lower Upper
 130 100
 95 91.9 0.0 185.4





#45

1,2-Dichloropropane

Concen: 182.96 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 509332

Ion Ratio Lower Upper

63 100

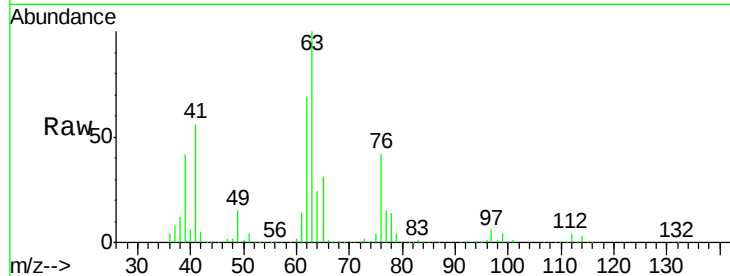
65 30.7 24.7 37.1

Manual Integrations

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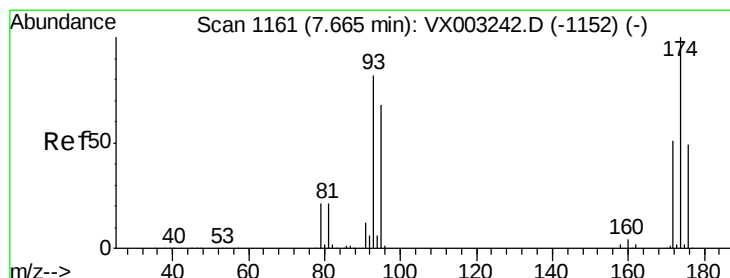
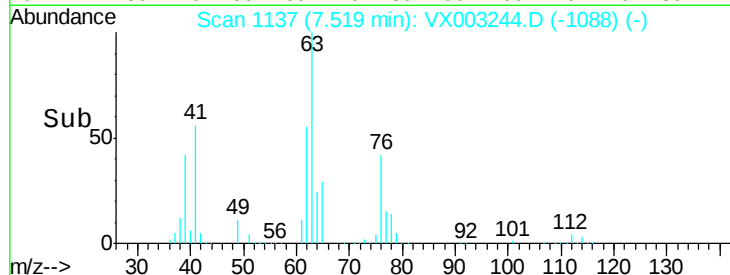
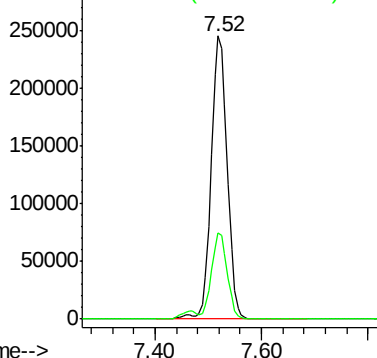
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 179.79 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

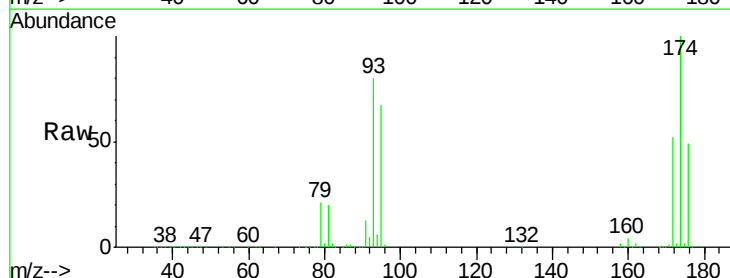
Tgt Ion: 93 Resp: 347347

Ion Ratio Lower Upper

93 100

95 83.5 65.9 98.9

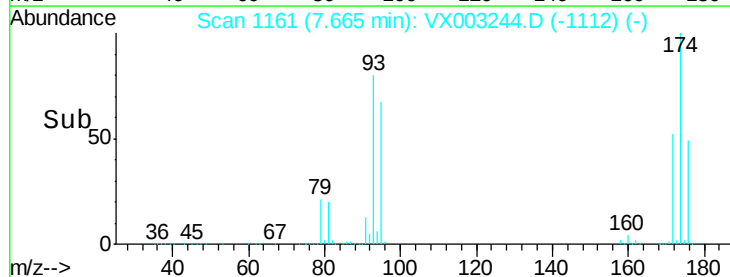
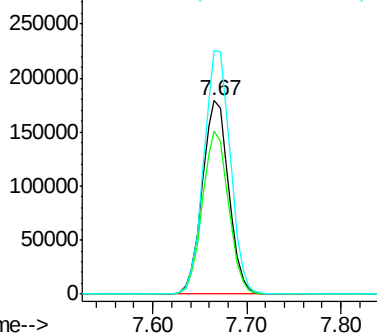
174 126.8 92.4 138.6

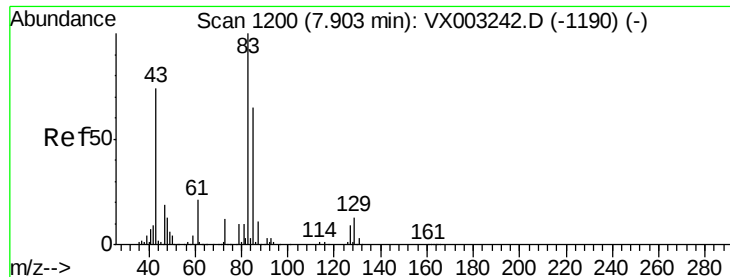


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 192.14 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Instrument :

MSVOA_X

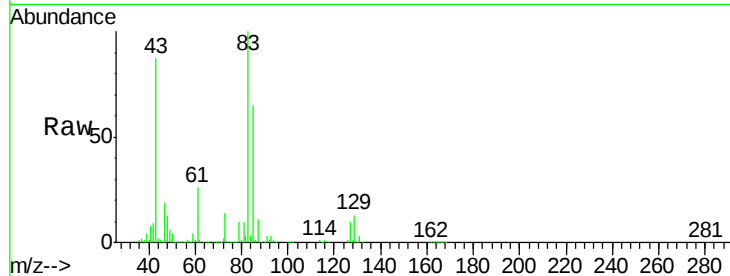
ClientSampleId :

VSTDIC150

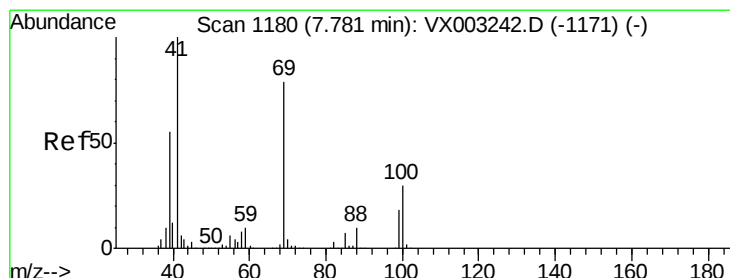
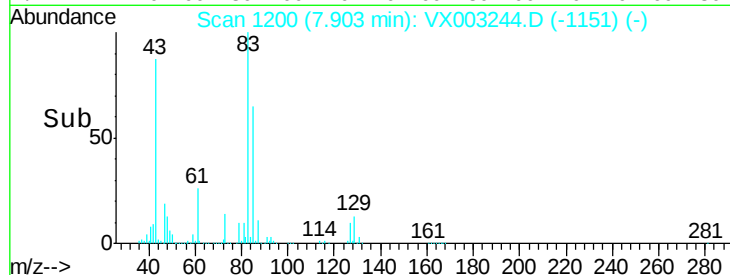
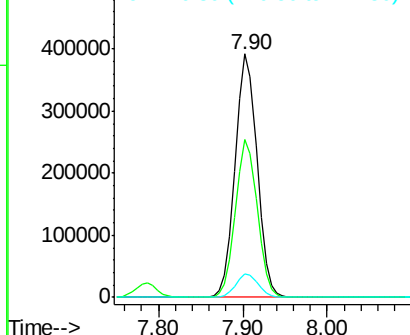
Tot Ion:	83	Resp:	686228
Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.3	75.5
127	9.6	7.0	10.4

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



#48

Methyl methacrylate

Concen: 186.58 ug/l

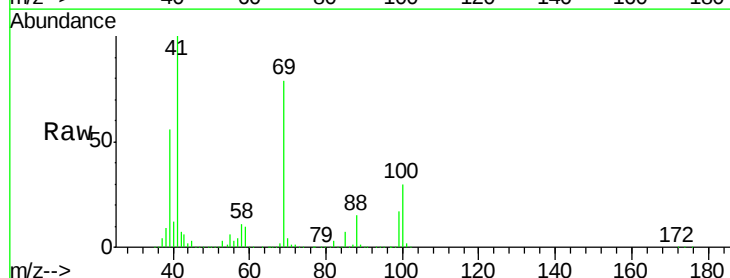
RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

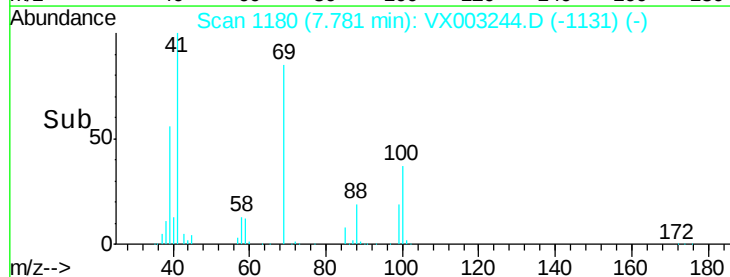
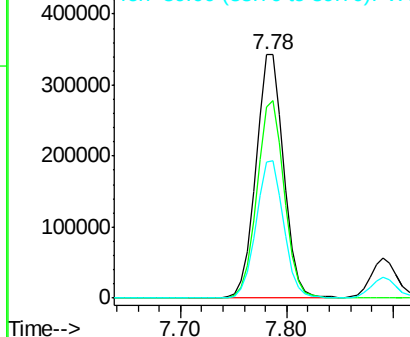
Lab File: VX003244.D

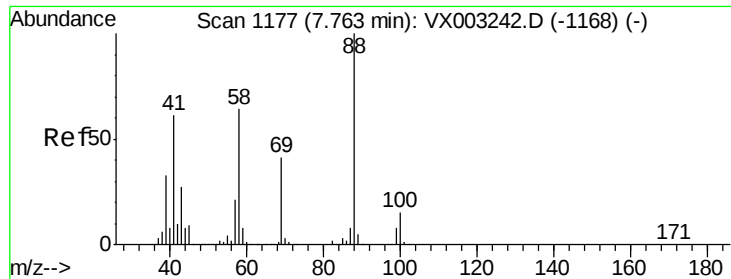
Acq: 09 Jul 2018 13:36

Tgt Ion:	41	Resp:	627023
Ion	Ratio	Lower	Upper
41	100		
69	80.1	59.1	88.7
39	56.1	48.9	73.3



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





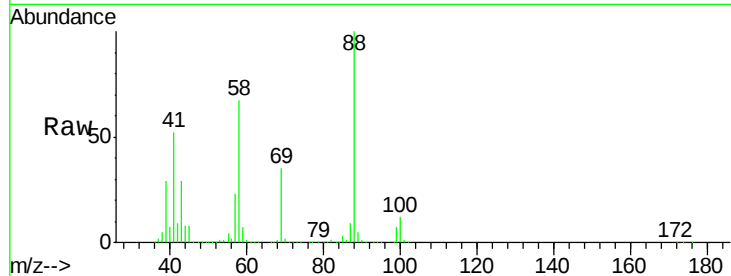
#49
1,4-Dioxane
Concen: 3713.96 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX003244.D
Acq: 09 Jul 2018 13:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	29.8	44.6
58	69.5	57.1	85.7

Manual Integrations
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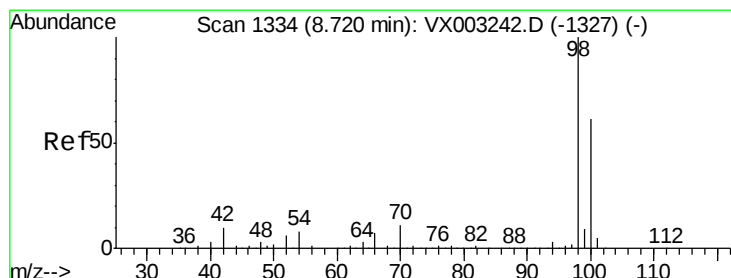
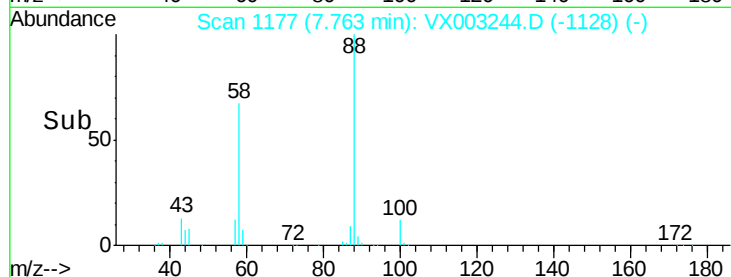
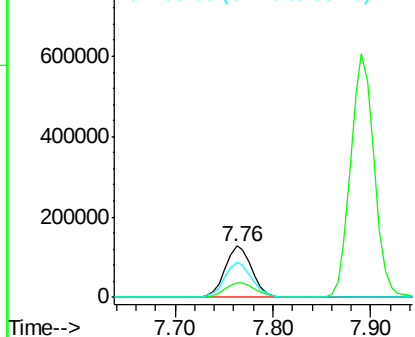


Abundance

Ion 88.00 (87.70 to 88.70): VX0

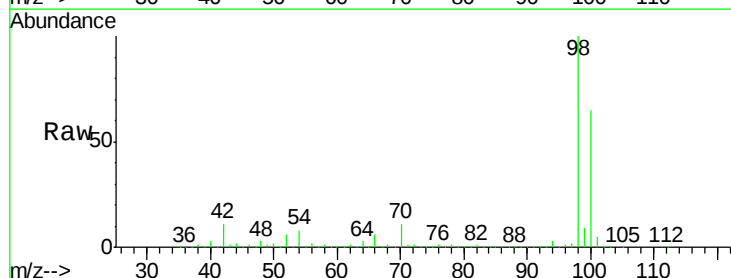
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 193.92 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003244.D
Acq: 09 Jul 2018 13:36

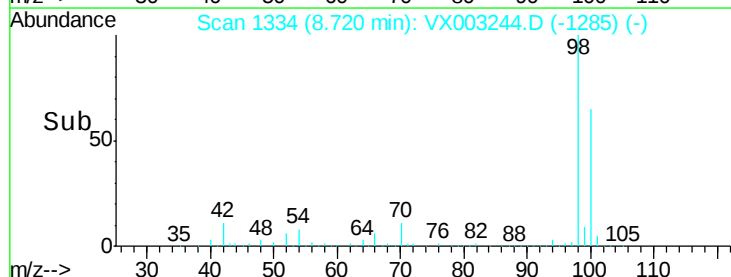
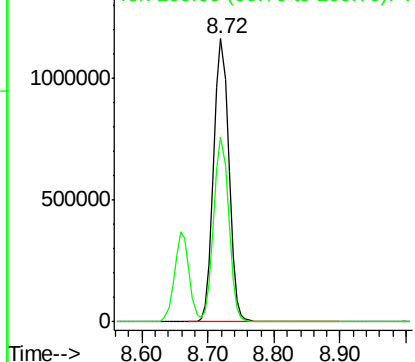
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	50.9	76.3

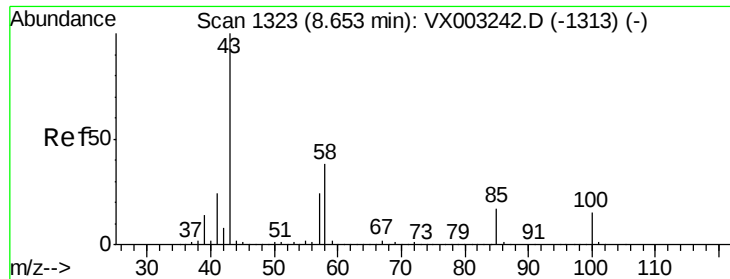


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 921.87 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3761842

Ion Ratio Lower Upper

43 100

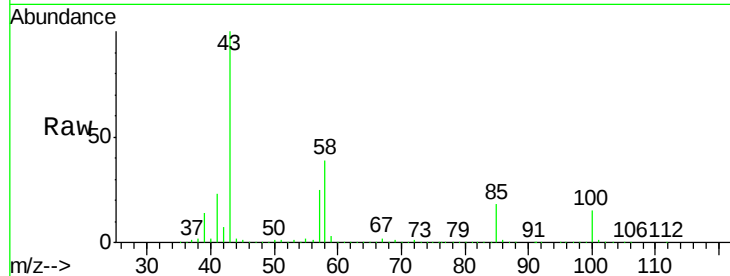
58 38.5 28.6 42.8

Manual Integrations

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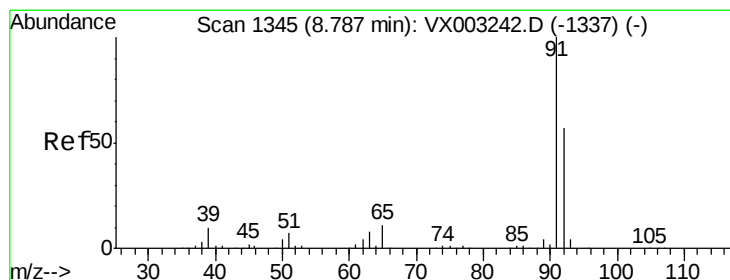
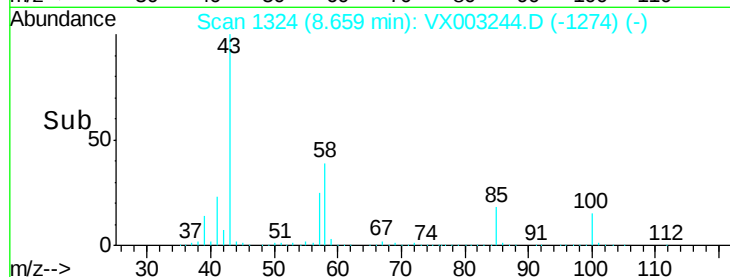
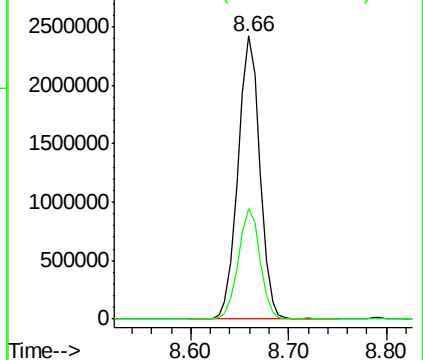
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 191.09 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003244.D

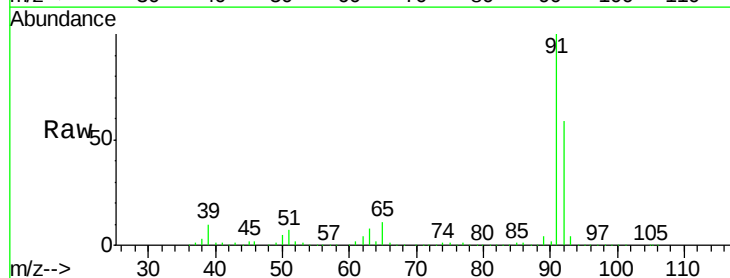
Acq: 09 Jul 2018 13:36

Tgt Ion: 92 Resp: 1284695

Ion Ratio Lower Upper

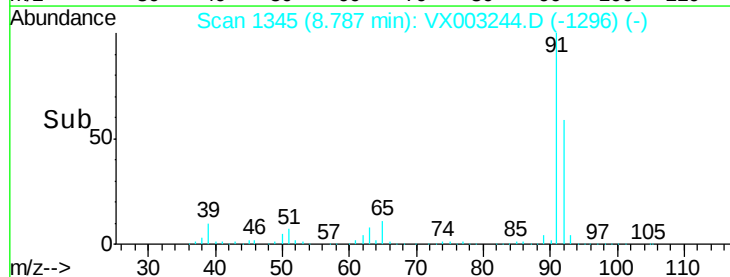
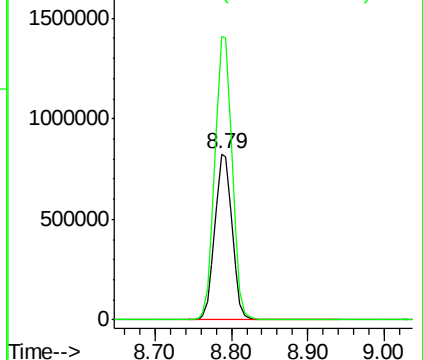
92 100

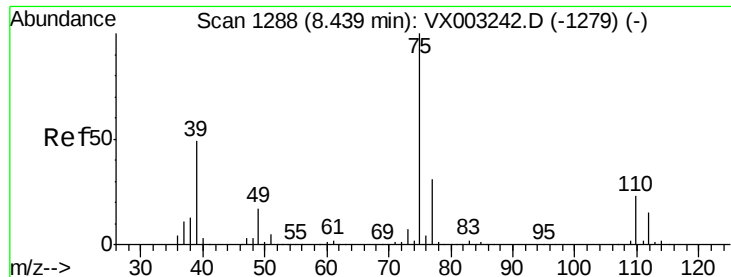
91 172.5 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 205.15 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 829809

Ion Ratio Lower Upper

75 100

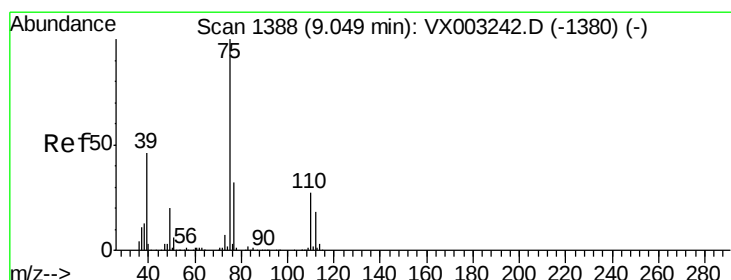
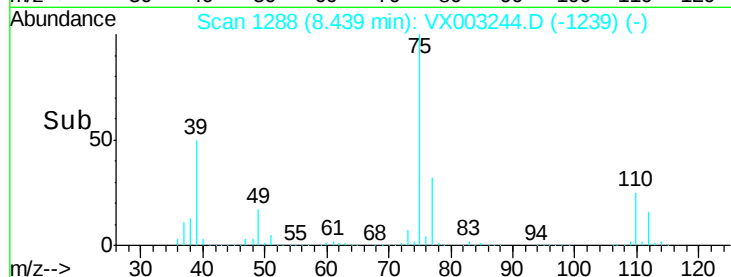
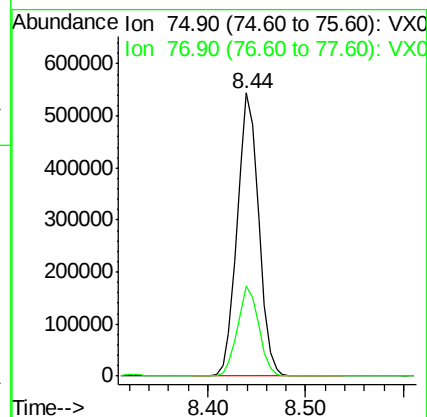
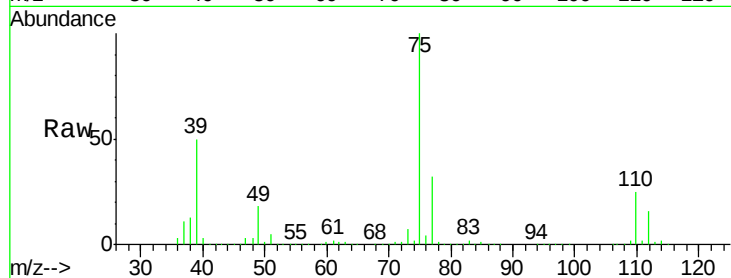
77 31.6 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 202.83 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

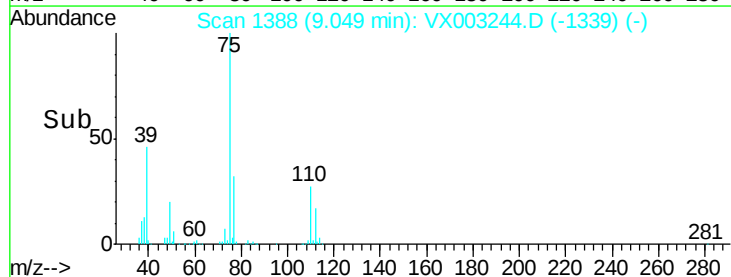
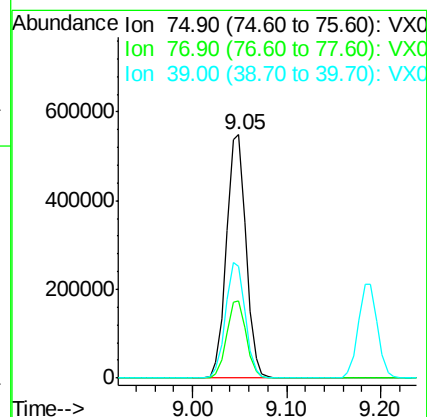
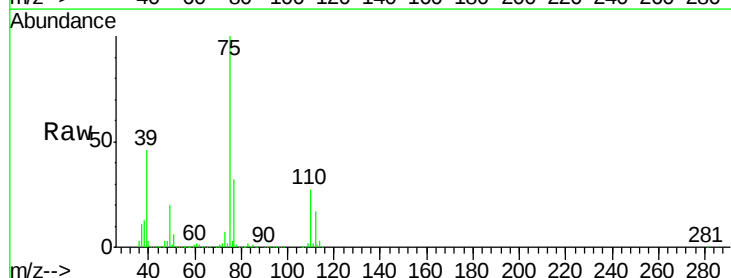
Tgt Ion: 75 Resp: 789398

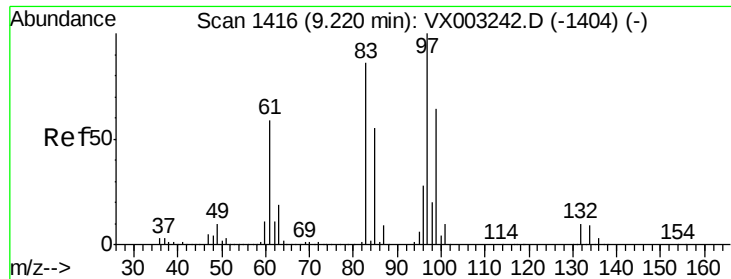
Ion Ratio Lower Upper

75 100

77 31.8 24.8 37.2

39 45.9 42.4 63.6





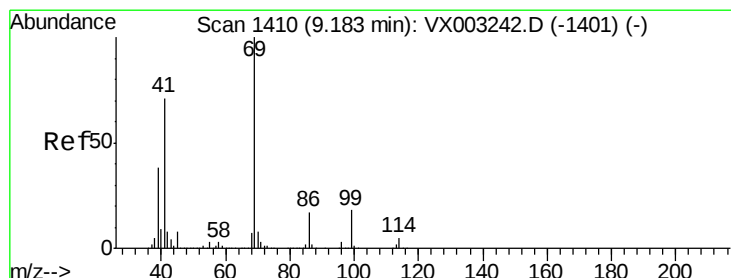
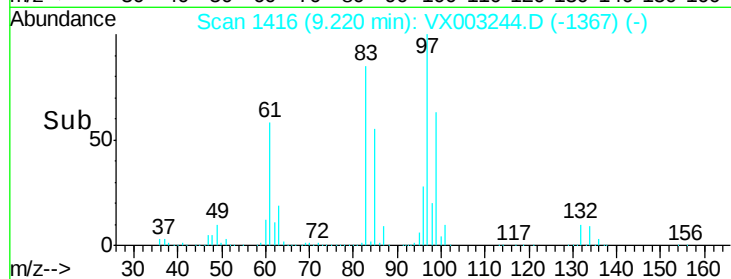
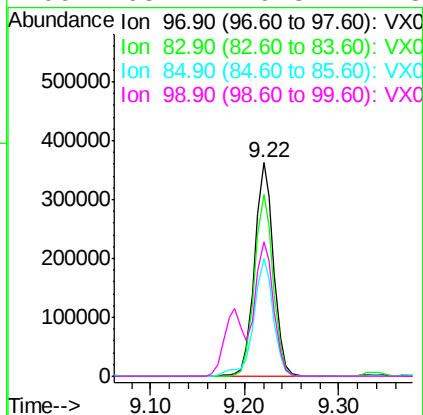
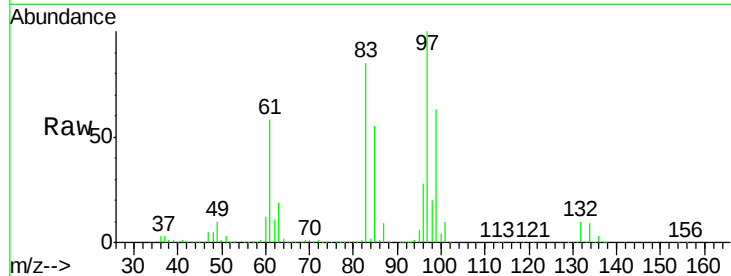
#55
 1,1,2-Trichloroethane
 Concen: 187.36 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003244.D
 Acq: 09 Jul 2018 13:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	517608
Ion	Ratio	Lower	Upper
97	100		
83	85.3	70.2	105.2
85	55.1	44.9	67.3
99	63.2	49.8	74.8

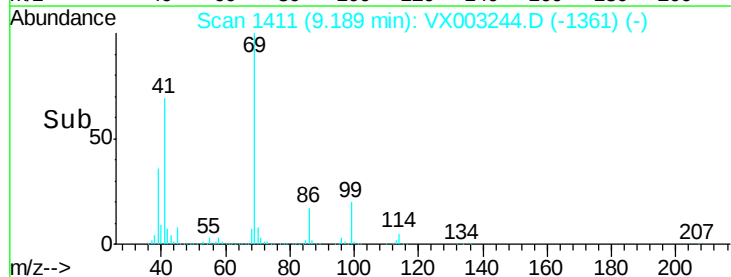
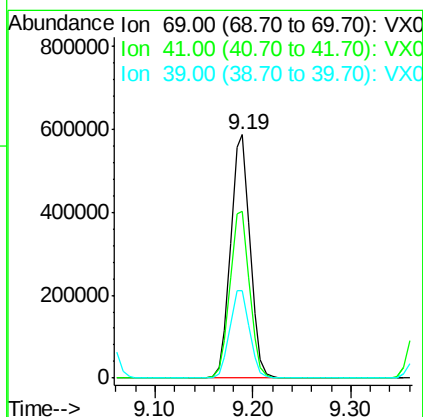
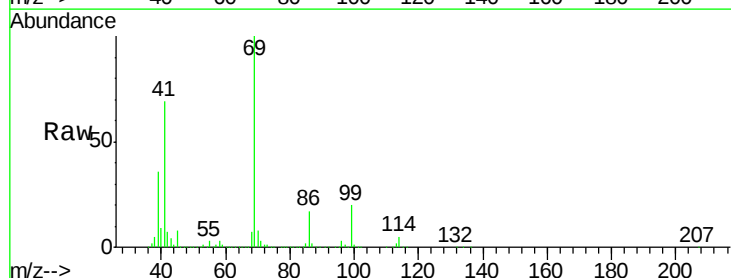
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 200.28 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX003244.D
 Acq: 09 Jul 2018 13:36

Tgt Ion:	69	Resp:	808636
Ion	Ratio	Lower	Upper
69	100		
41	69.4	60.3	90.5
39	36.9	35.8	53.8





#57

1,3-Dichloropropane

Concen: 185.72 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 842685

Ion Ratio Lower Upper

76 100

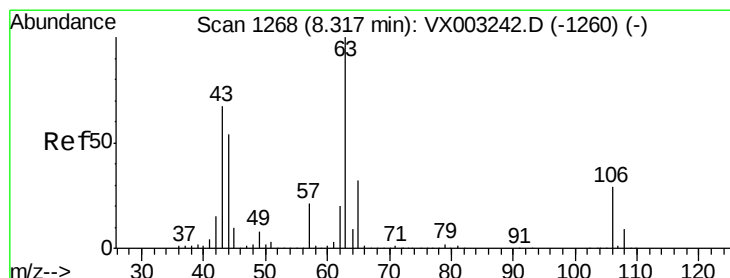
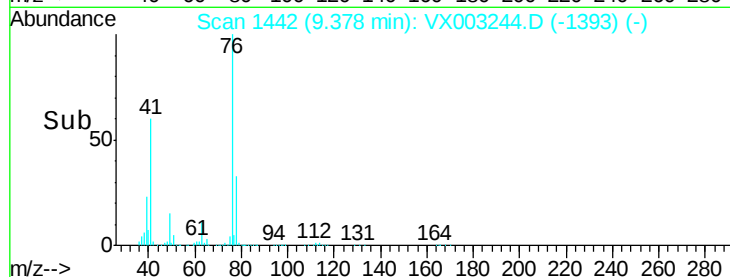
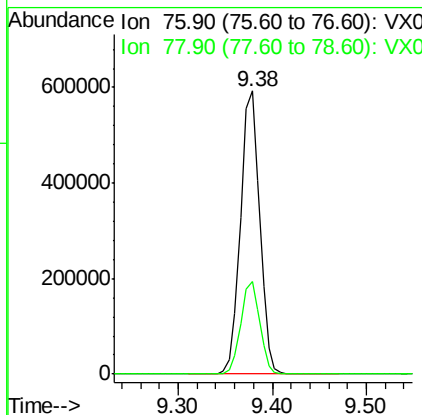
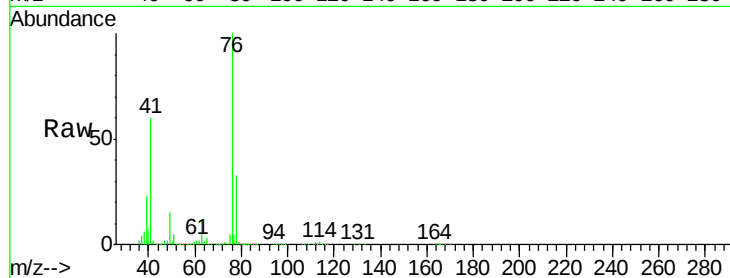
78 32.4 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 990.01 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.01 min

Lab File: VX003244.D

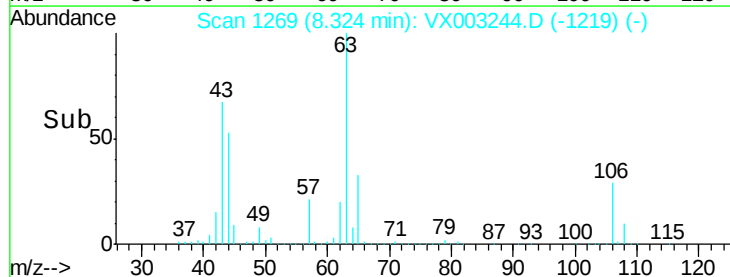
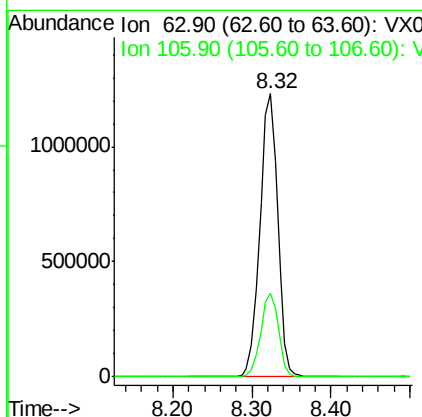
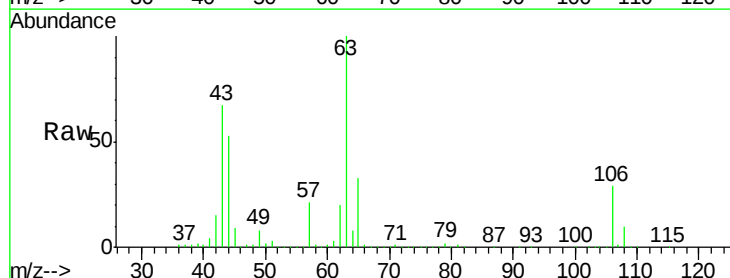
Acq: 09 Jul 2018 13:36

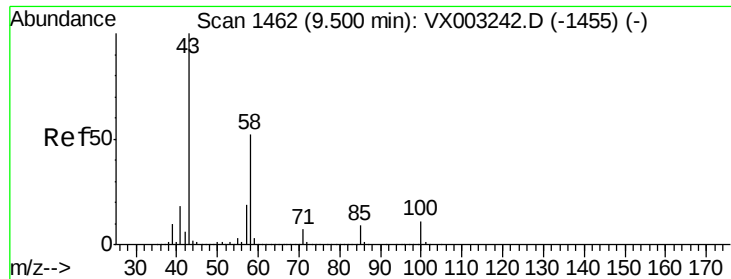
Tgt Ion: 63 Resp: 1928390

Ion Ratio Lower Upper

63 100

106 29.3 21.8 32.8





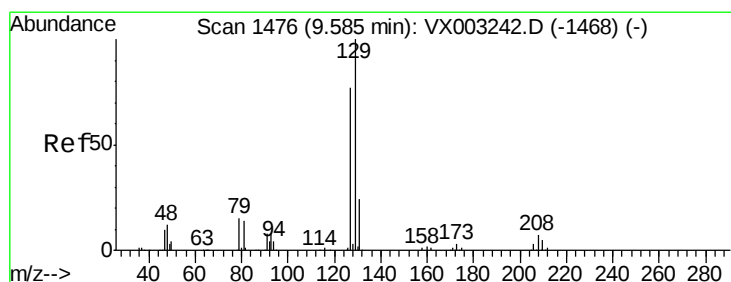
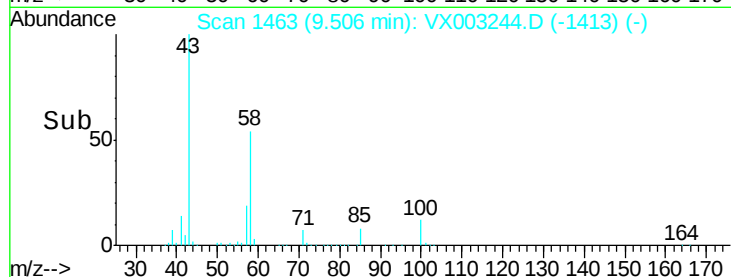
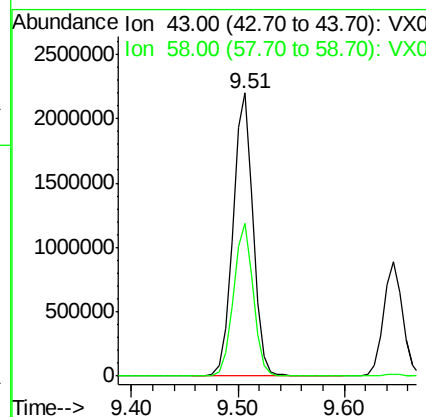
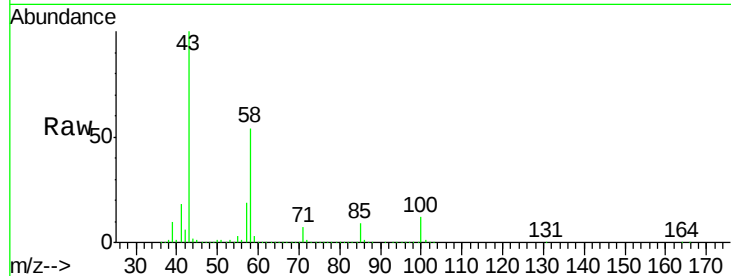
#59
2-Hexanone
Concen: 932.64 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX003244.D
Acq: 09 Jul 2018 13:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2892398
Ion Ratio Lower Upper
43 100
58 53.2 24.6 73.6

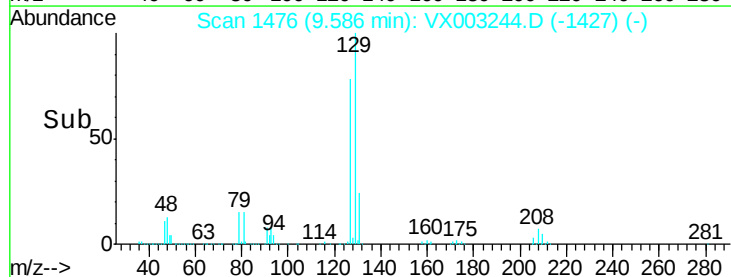
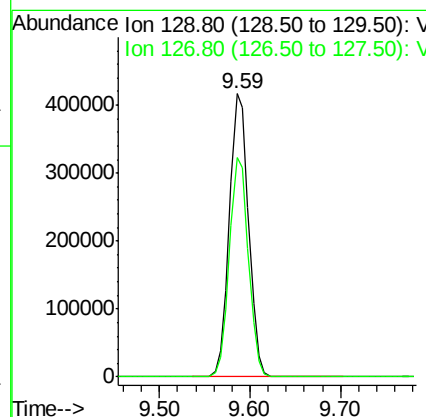
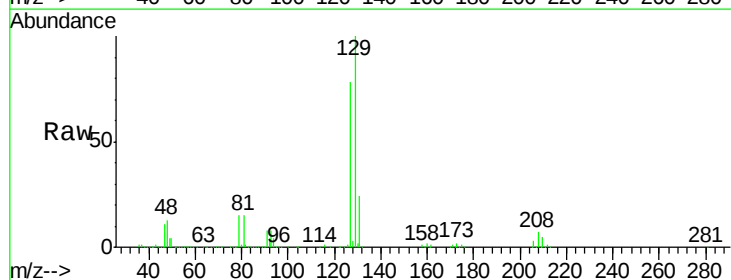
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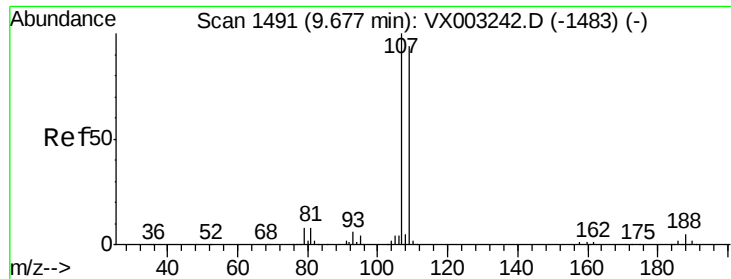
MMDadoda
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#60
Dibromochloromethane
Concen: 210.63 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003244.D
Acq: 09 Jul 2018 13:36

Tgt Ion: 129 Resp: 612542
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.3





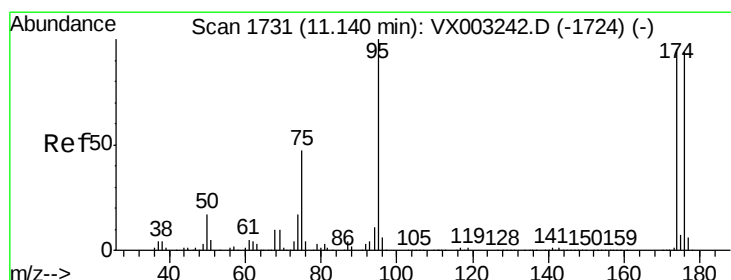
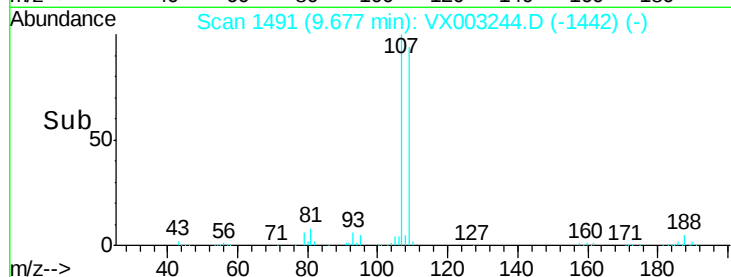
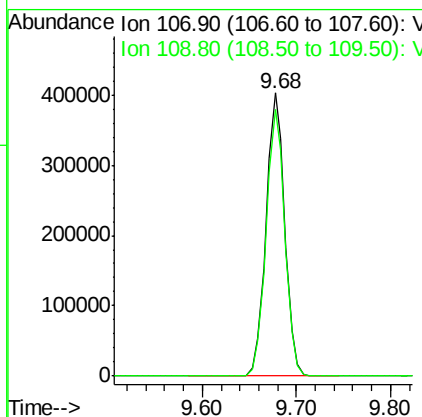
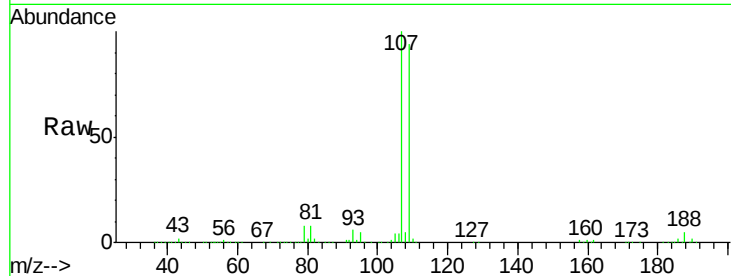
#61
 1,2-Dibromoethane
 Concen: 194.35 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX003244.D
 Acq: 09 Jul 2018 13:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.3	112.9

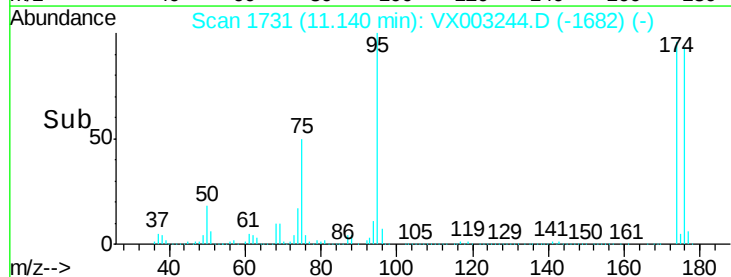
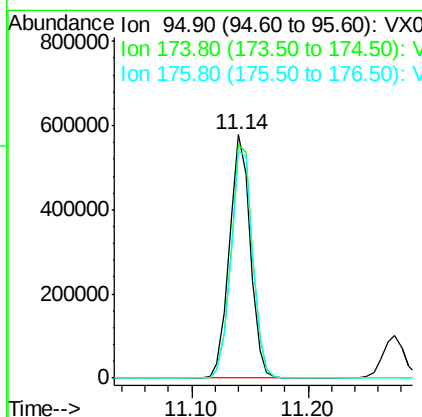
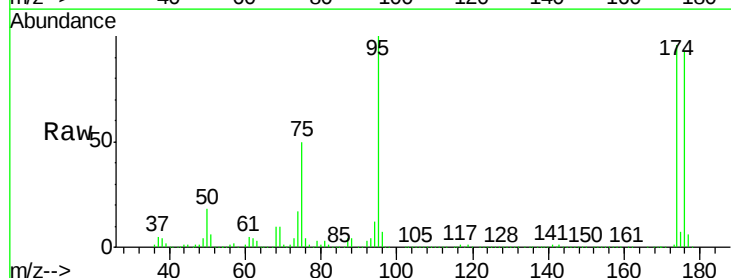
Manual Integrations
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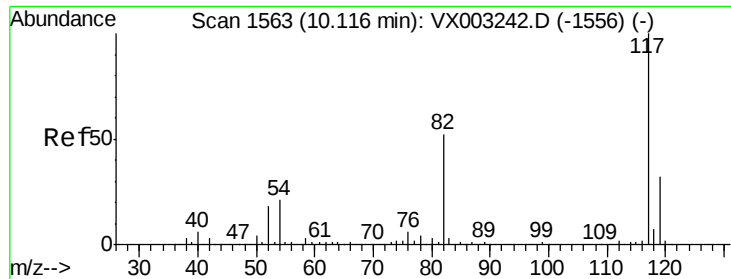
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#62
 4-Bromofluorobenzene
 Concen: 197.08 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX003244.D
 Acq: 09 Jul 2018 13:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	99.6	0.0	187.4
176	97.4	0.0	181.0





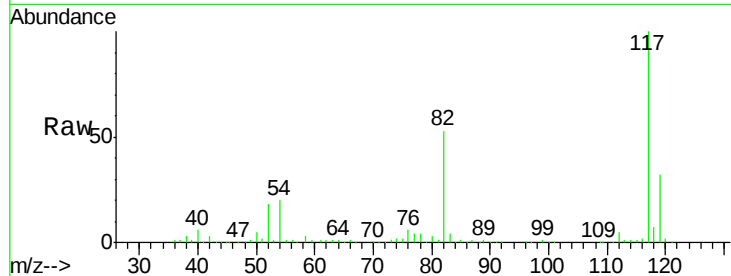
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003244.D
Acq: 09 Jul 2018 13:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

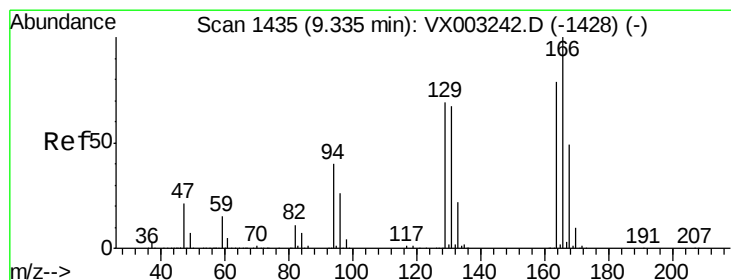
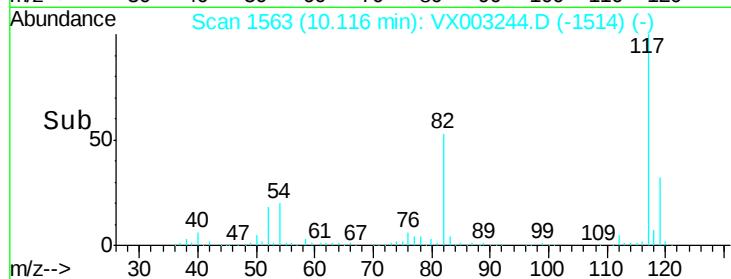
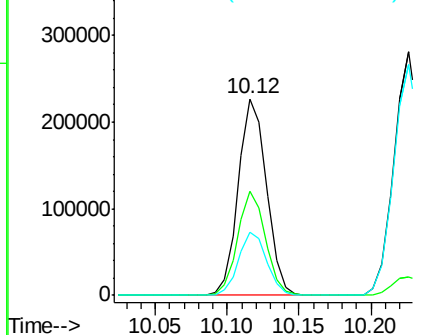
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	45.0	67.4
119	32.2	25.8	38.6

Manual Integrations
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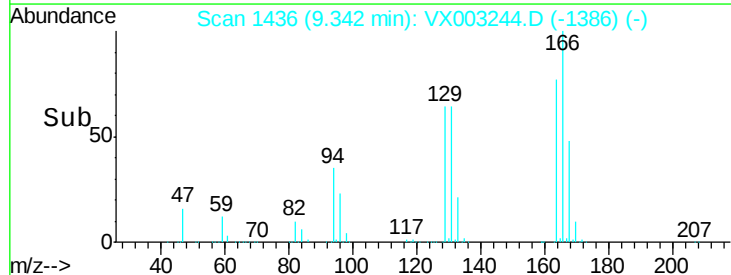
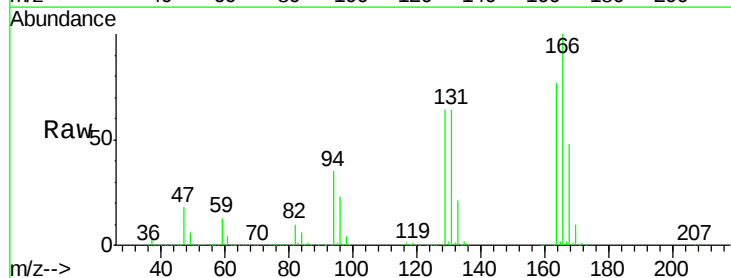
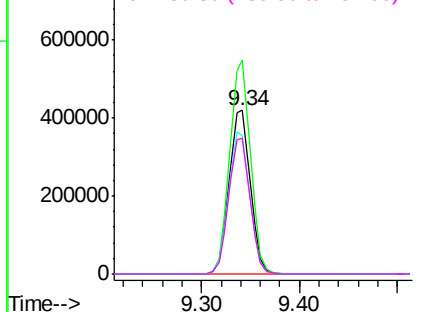
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

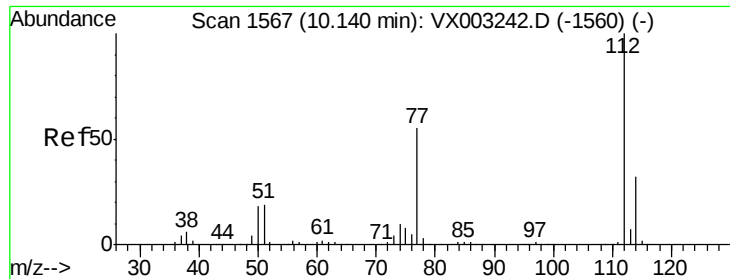


#64
Tetrachloroethene
Concen: 182.50 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003244.D
Acq: 09 Jul 2018 13:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	102.9	154.3
129	84.1	68.6	102.8
131	83.0	66.8	100.2

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 190.18 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 1499158

Ion Ratio Lower Upper

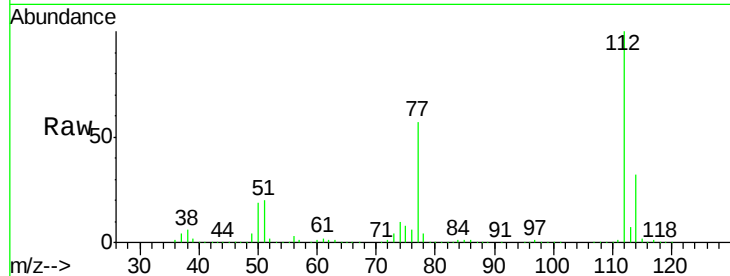
112 100

114 32.1 25.3 37.9

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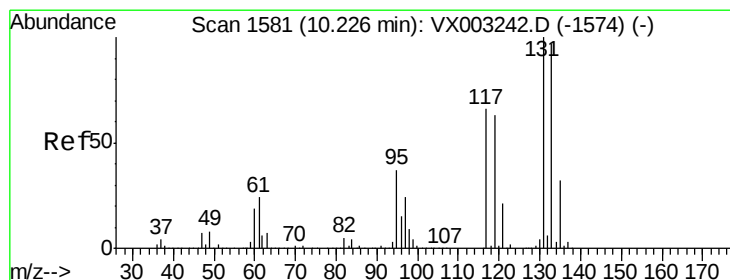
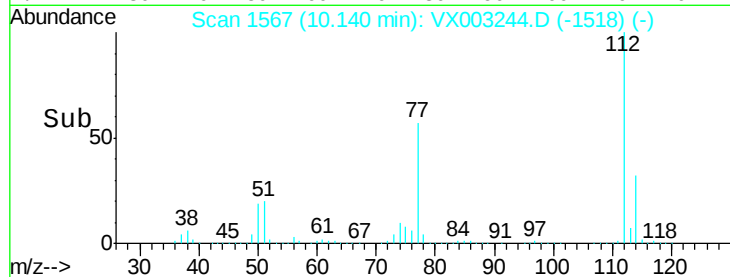
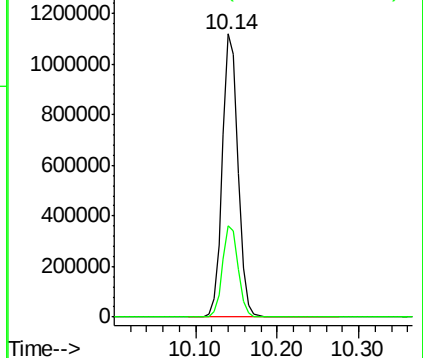
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 203.14 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

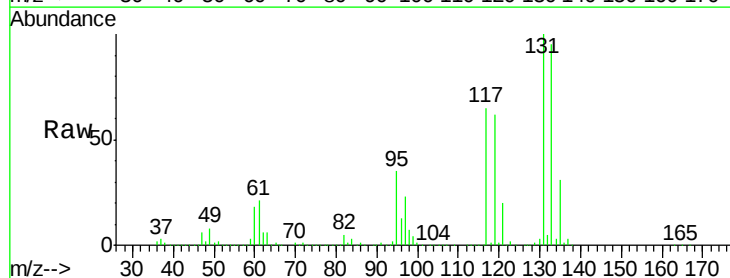
Tgt Ion:131 Resp: 581711

Ion Ratio Lower Upper

131 100

133 95.4 47.9 143.6

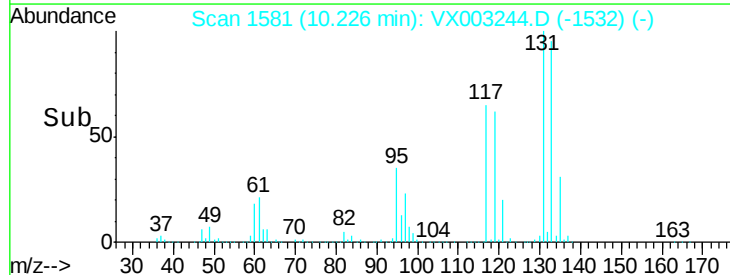
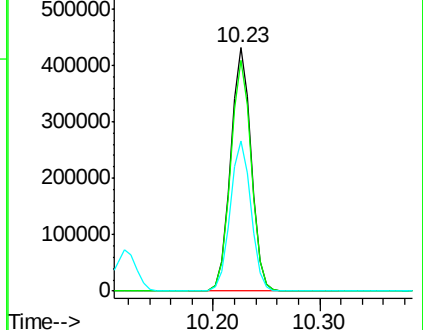
119 62.7 31.8 95.3

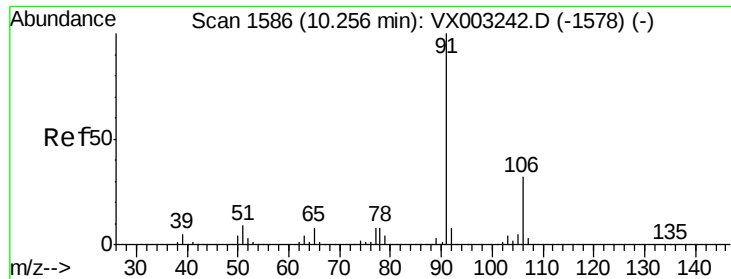


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 195.12 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2540797

Ion Ratio Lower Upper

91 100

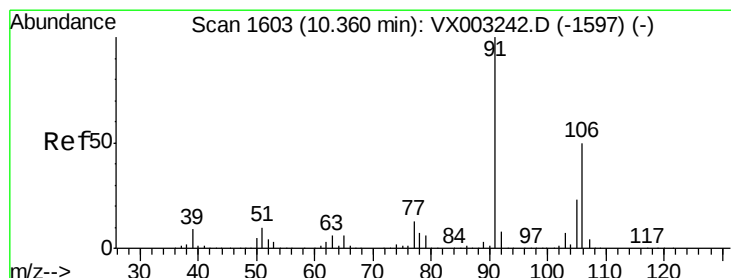
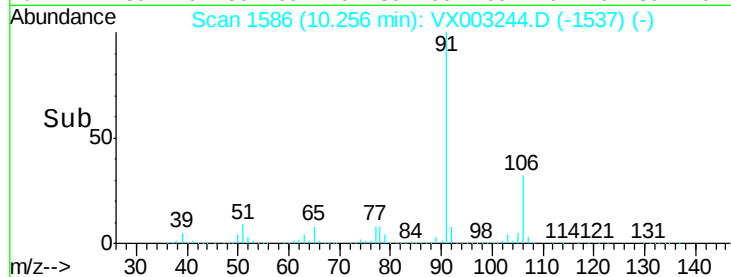
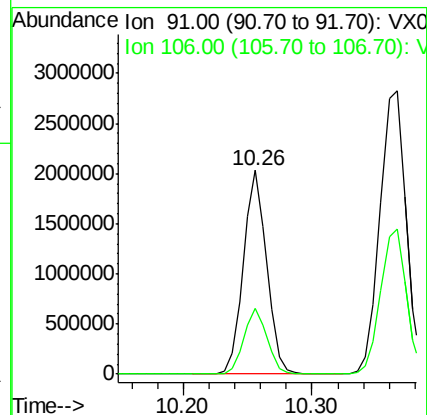
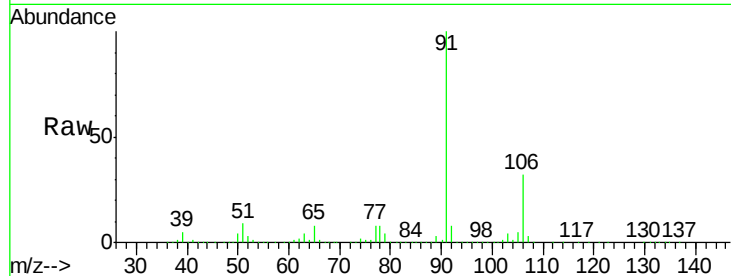
106 32.1 25.5 38.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 398.66 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.01 min

Lab File: VX003244.D

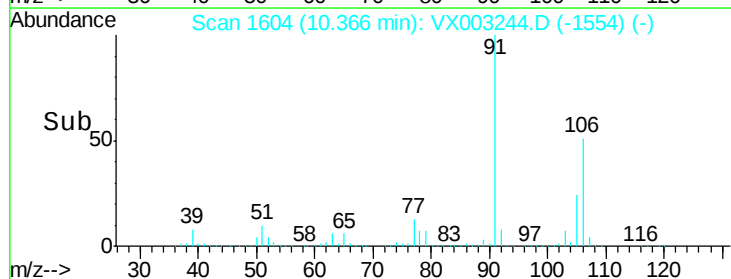
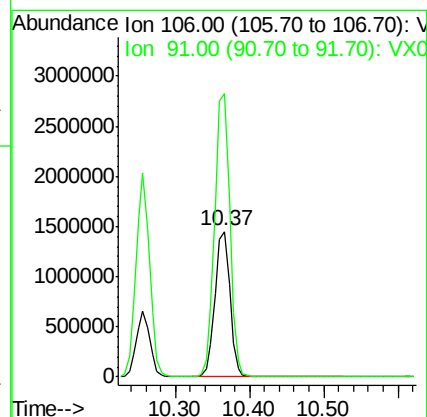
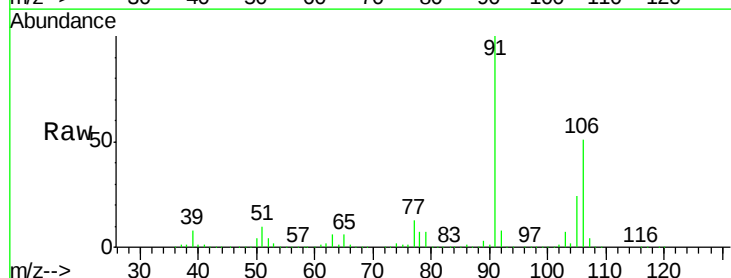
Acq: 09 Jul 2018 13:36

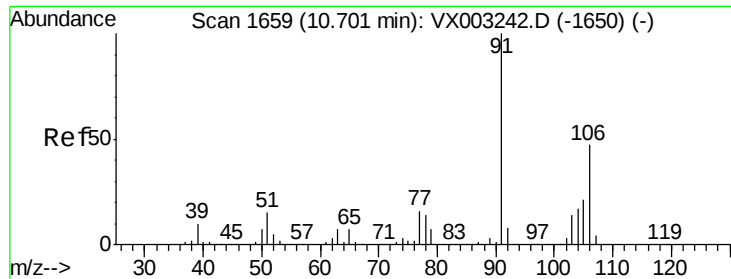
Tgt Ion: 106 Resp: 2000764

Ion Ratio Lower Upper

106 100

91 197.8 163.4 245.2





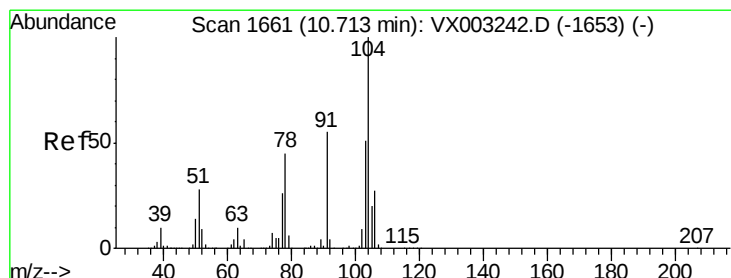
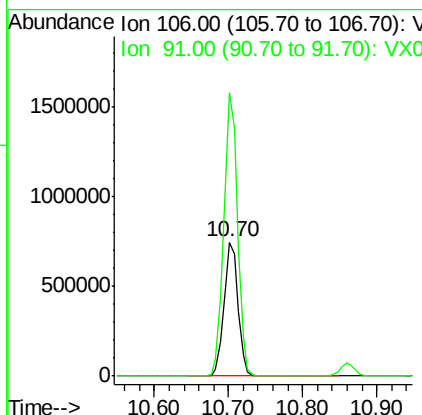
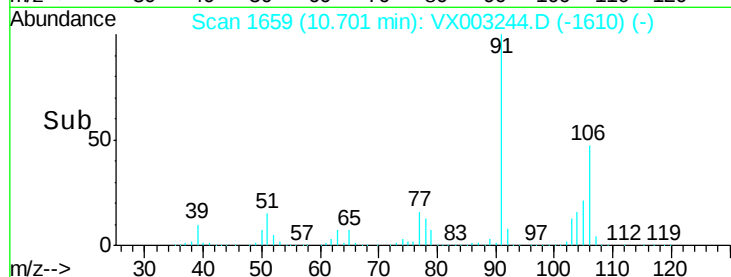
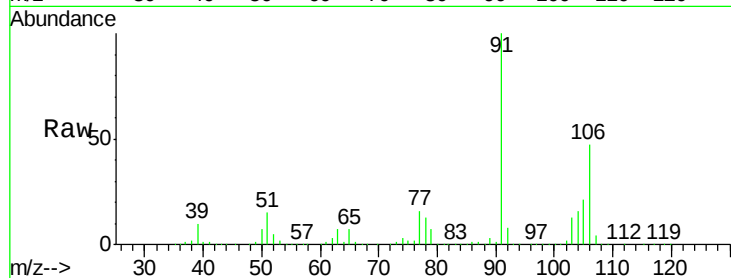
#69
o-Xylene
Concen: 199.52 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003244.D
Acq: 09 Jul 2018 13:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 975004
Ion Ratio Lower Upper
106 100
91 209.5 108.2 324.6

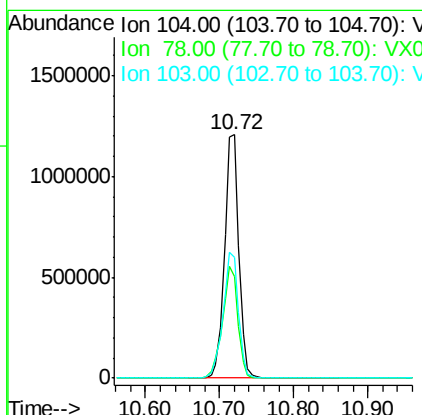
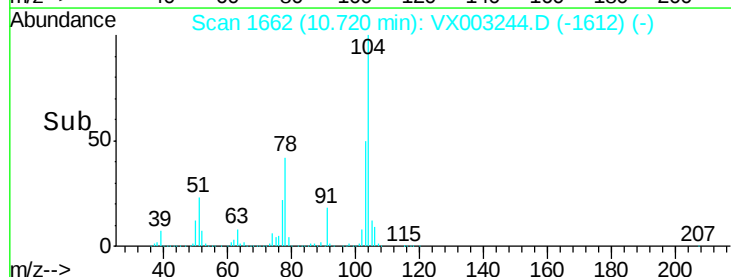
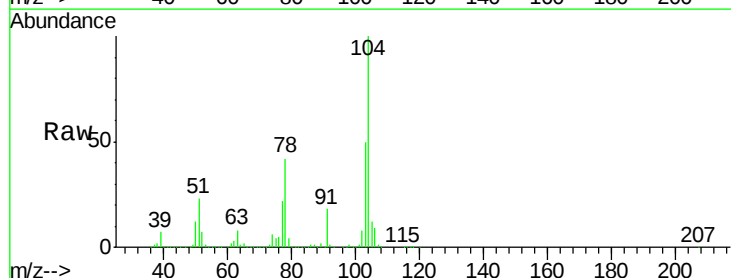
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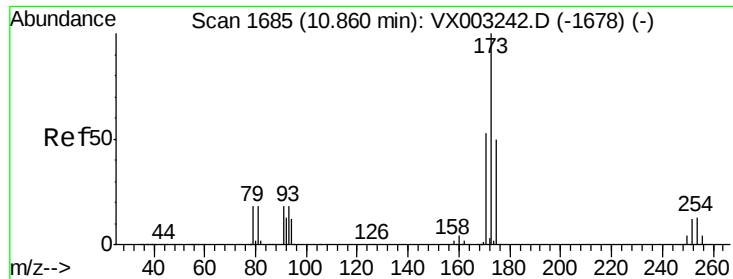
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#70
Styrene
Concen: 203.37 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.01 min
Lab File: VX003244.D
Acq: 09 Jul 2018 13:36

Tgt Ion:104 Resp: 1614856
Ion Ratio Lower Upper
104 100
78 49.1 41.0 61.6
103 55.7 44.2 66.4





#71

Bromoform

Concen: 235.03 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 528956

Ion Ratio Lower Upper

173 100

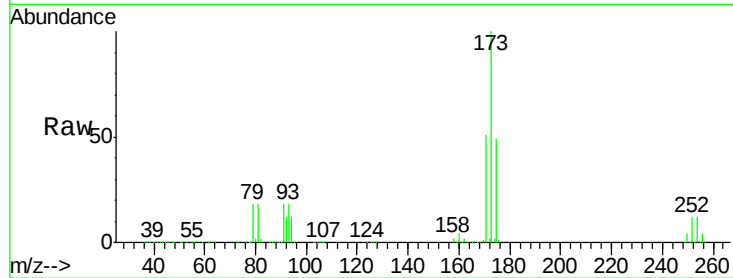
175 49.1 24.7 74.1

254 0.2 0.2 0.2

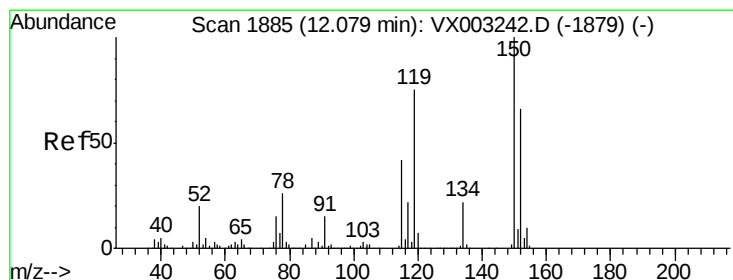
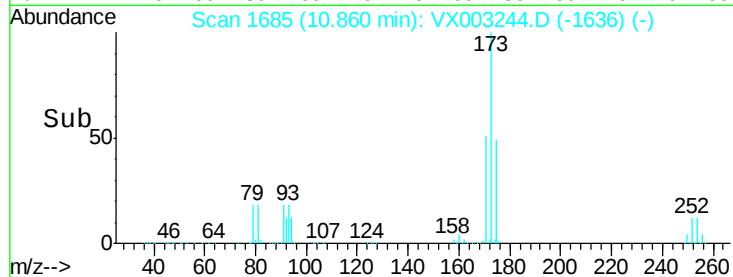
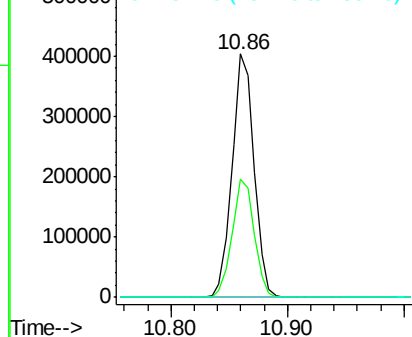
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

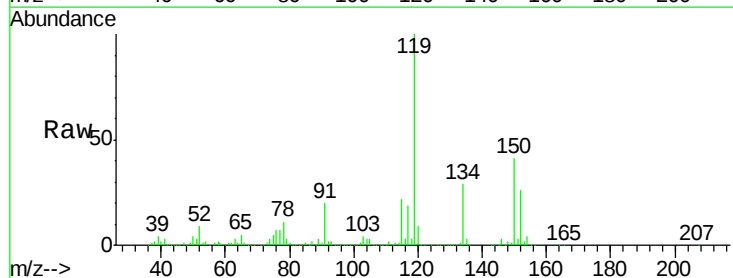
Tgt Ion:152 Resp: 228023

Ion Ratio Lower Upper

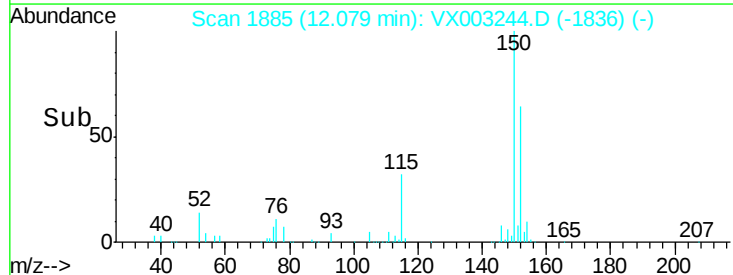
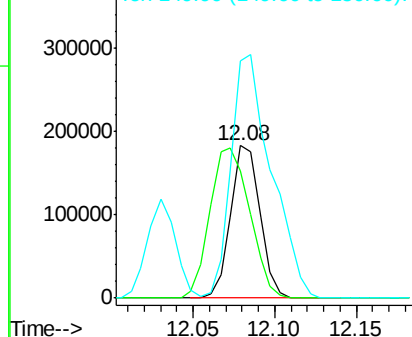
152 100

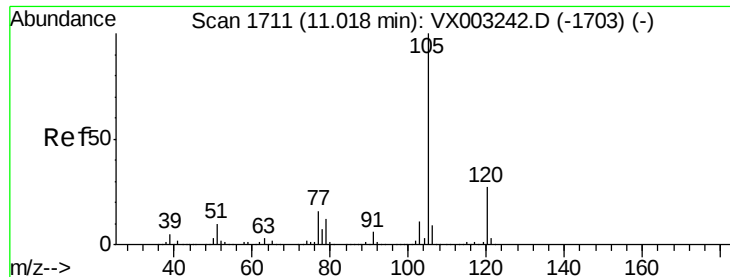
115 134.6 40.1 120.2#

150 219.7 0.0 347.2



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





#73

Isopropylbenzene

Concen: 171.02 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.01 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2623425

Ion Ratio Lower Upper

105 100

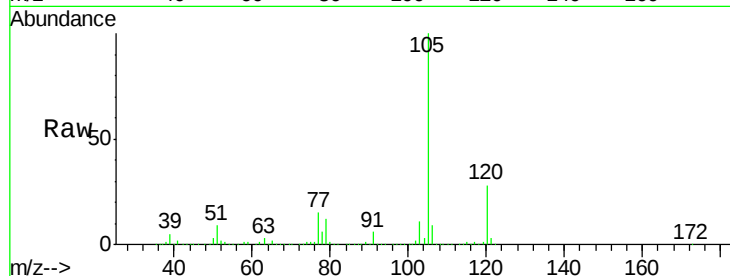
120 27.6 13.5 40.4

Manual Integrations

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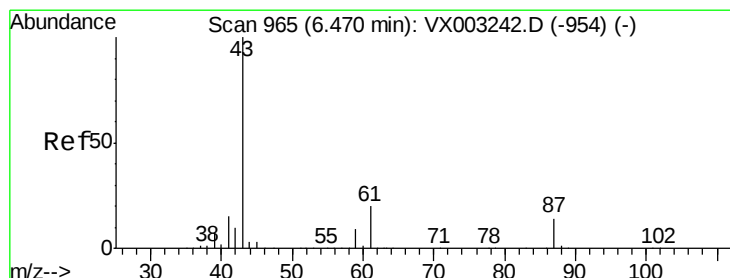
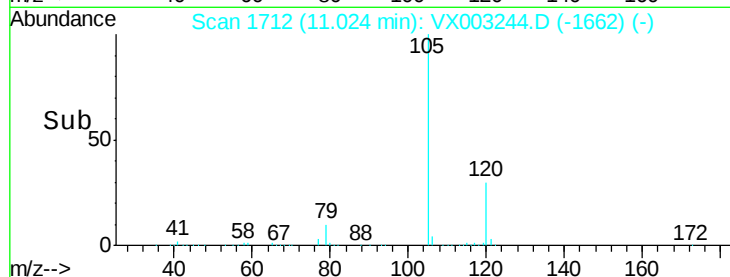
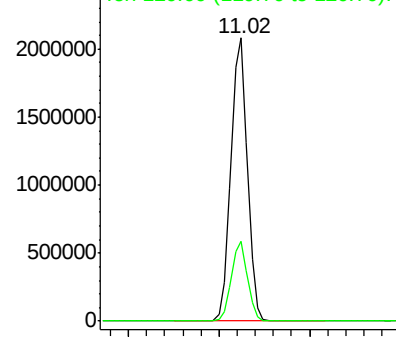
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 159.30 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Tgt Ion: 43 Resp: 1195597

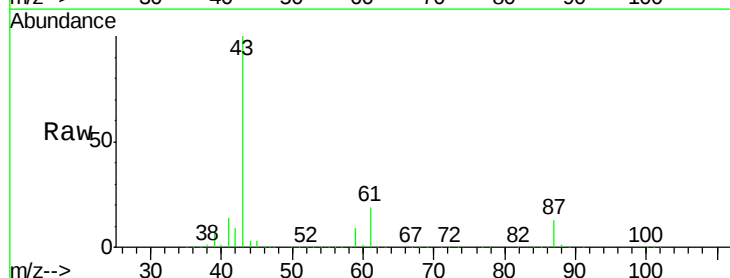
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 19.3 14.4 21.6

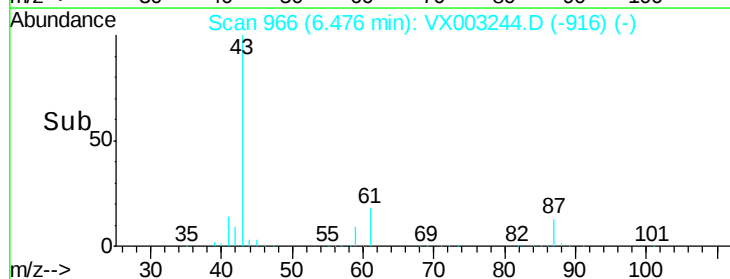
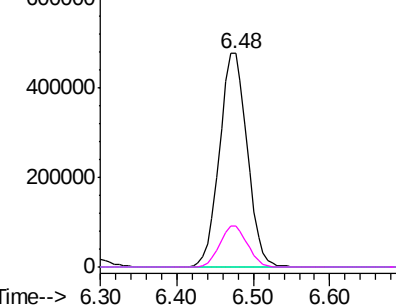


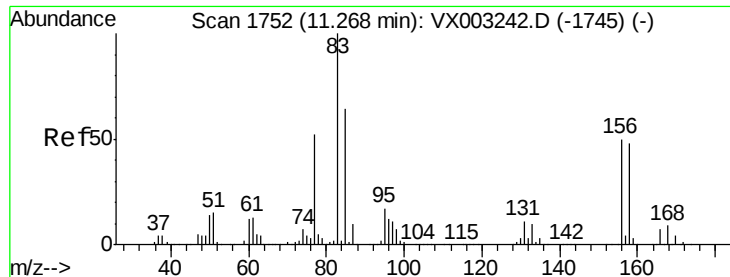
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 167.75 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 792685

Ion Ratio Lower Upper

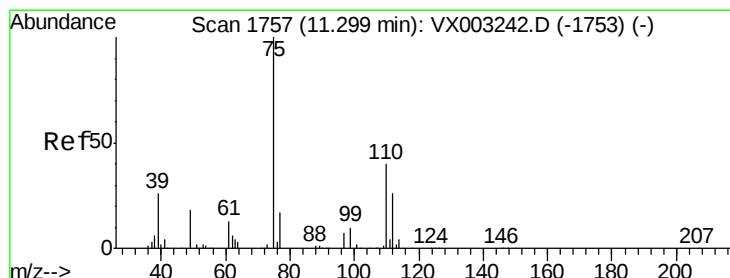
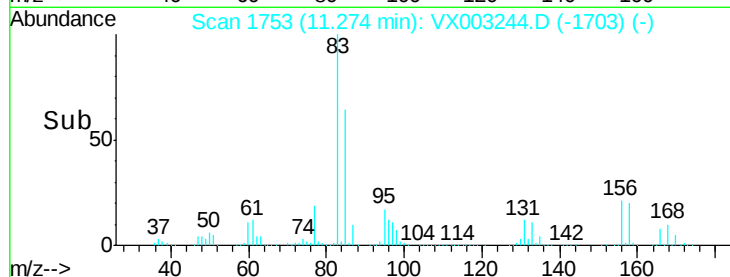
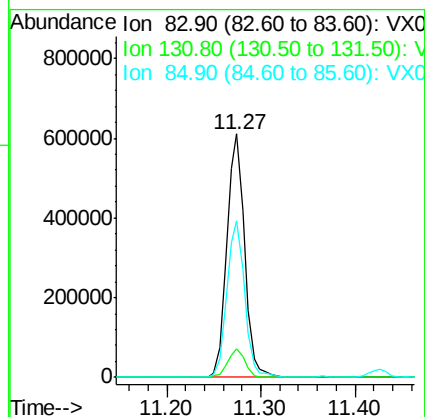
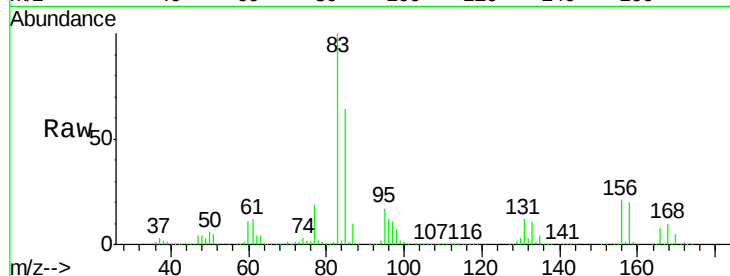
83 100

131 11.4 5.6 16.8

85 64.7 32.4 97.2

Manual Integrations
APPROVED

MMDadoda
7/10/2018 3:11:46 PM



#76

1,2,3-Trichloropropane

Concen: 162.39 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VX003244.D

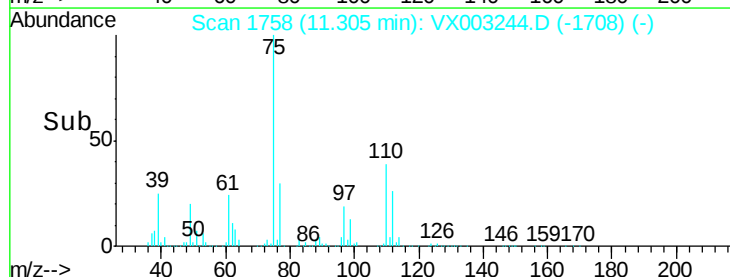
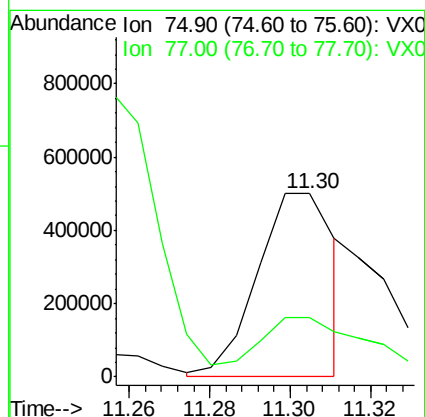
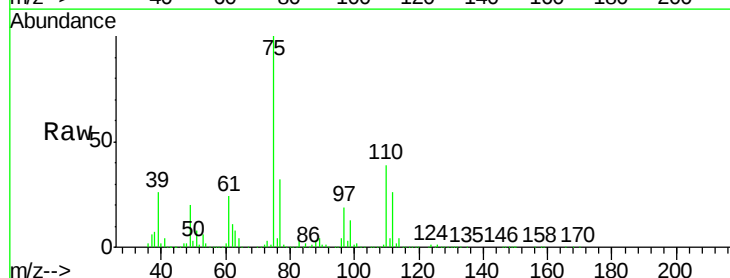
Acq: 09 Jul 2018 13:36

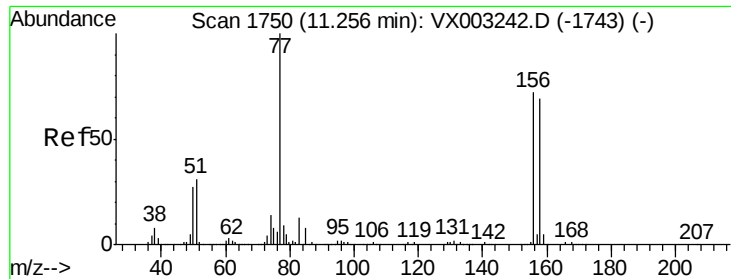
Tgt Ion: 75 Resp: 670716

Ion Ratio Lower Upper

75 100

77 46.1 22.8 68.3





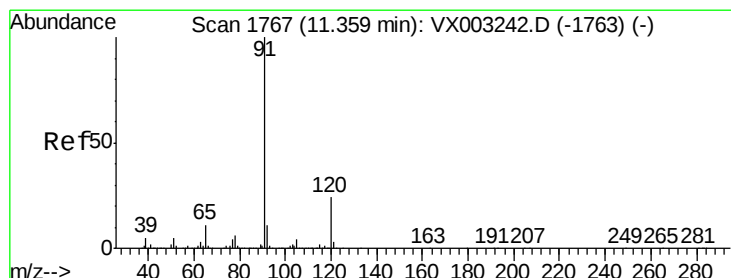
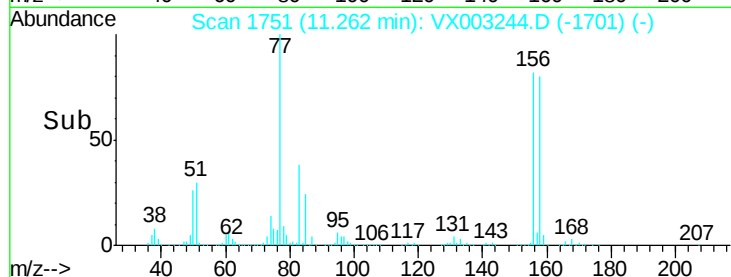
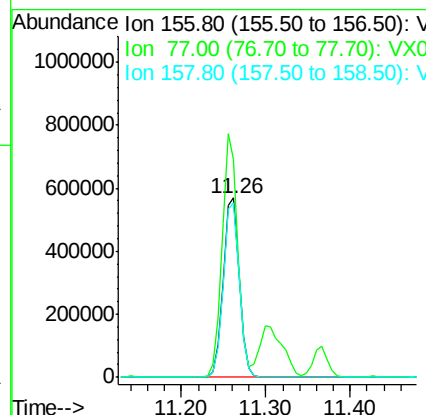
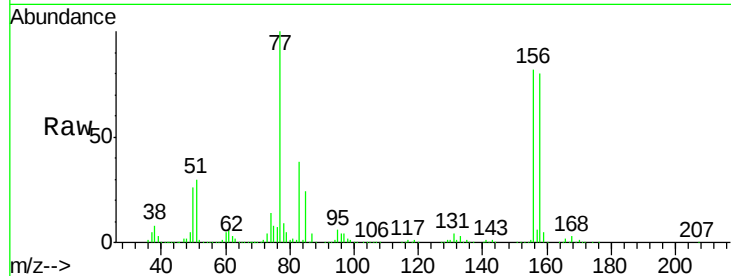
#77
Bromobenzene
Concen: 172.48 ug/l
RT: 11.26 min Scan# 1751
Delta R.T. 0.01 min
Lab File: VX003244.D
Acq: 09 Jul 2018 13:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	131.3	71.4	214.2
158	97.6	48.9	146.6

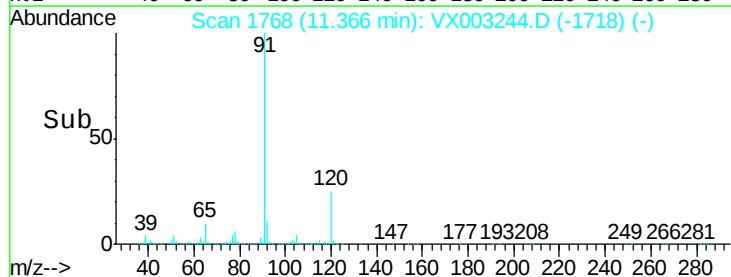
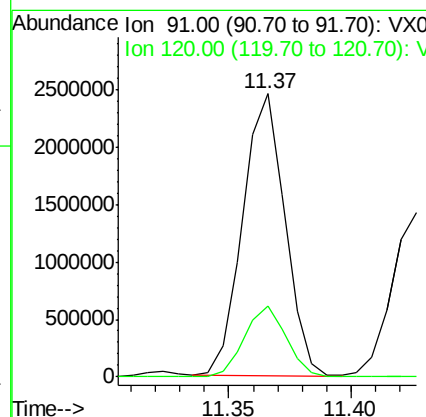
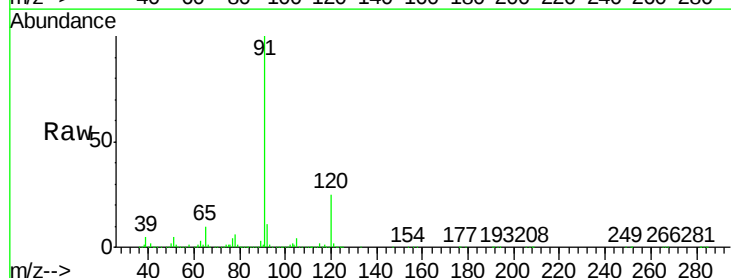
Manual Integrations
APPROVED

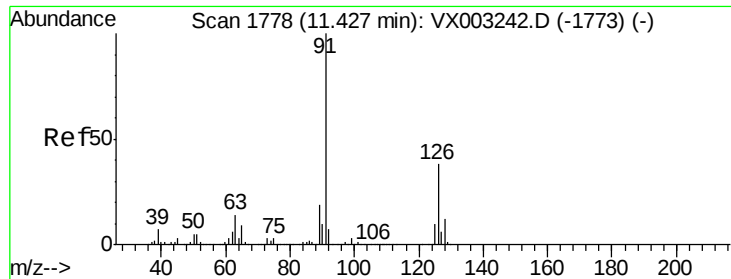
MMDadoda
7/10/2018 3:11:46 PM



#78
n-propylbenzene
Concen: 169.61 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. 0.01 min
Lab File: VX003244.D
Acq: 09 Jul 2018 13:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.9	11.8	35.4





#79

2-Chlorotoluene

Concen: 166.77 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 1762935

Ion Ratio Lower Upper

91 100

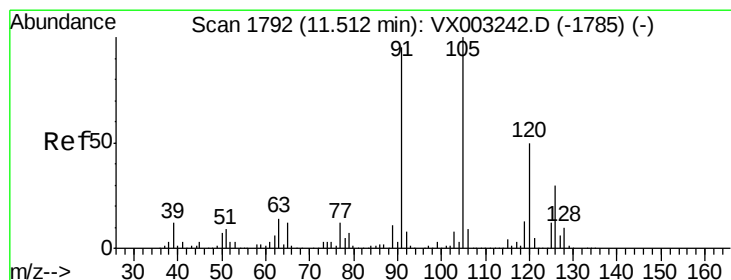
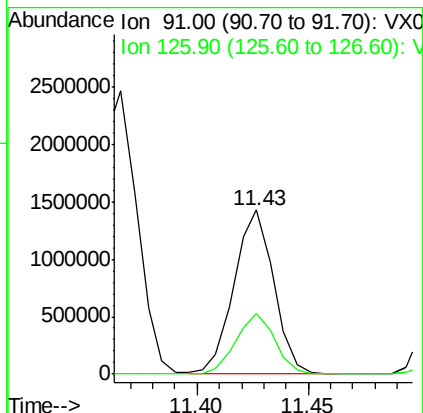
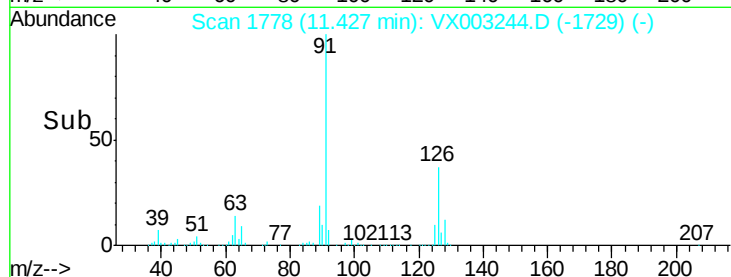
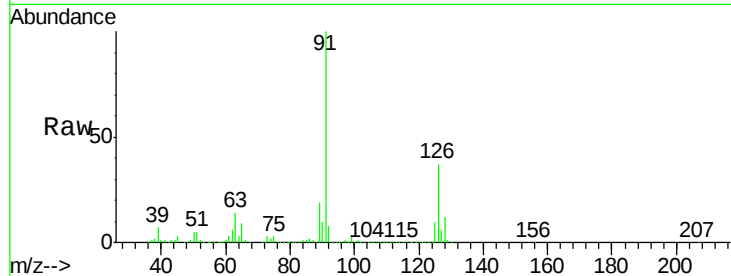
126 36.7 17.7 53.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 172.88 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003244.D

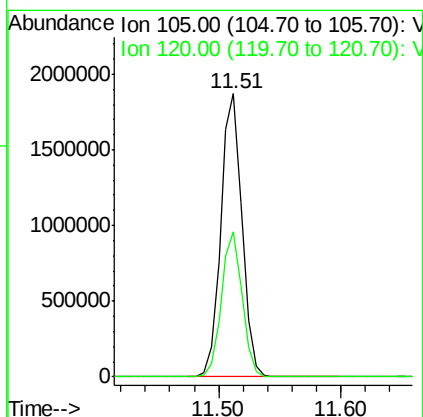
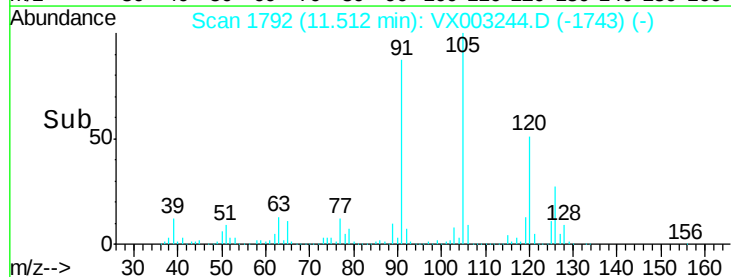
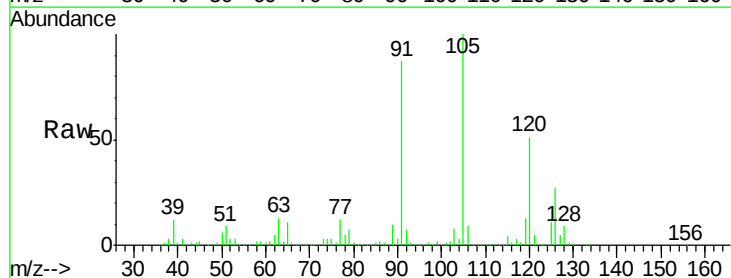
Acq: 09 Jul 2018 13:36

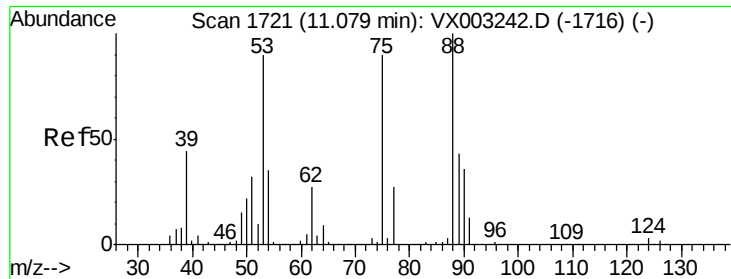
Tgt Ion: 105 Resp: 2233563

Ion Ratio Lower Upper

105 100

120 50.2 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 210.89 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 256802

Ion Ratio Lower Upper

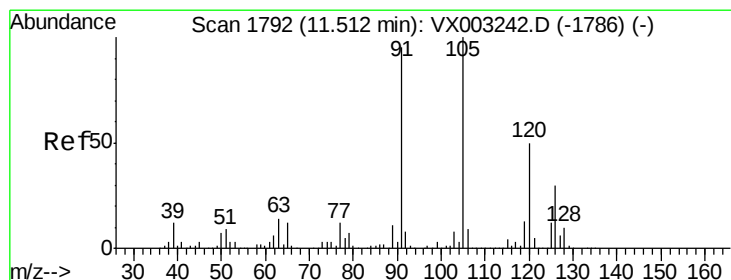
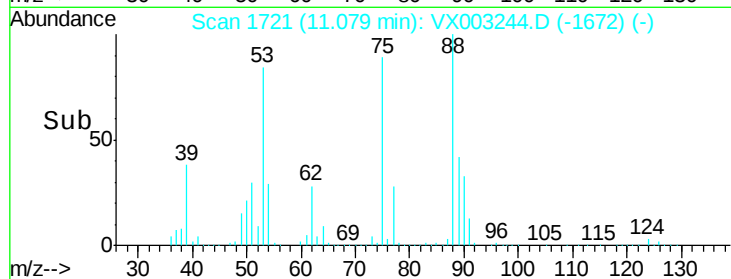
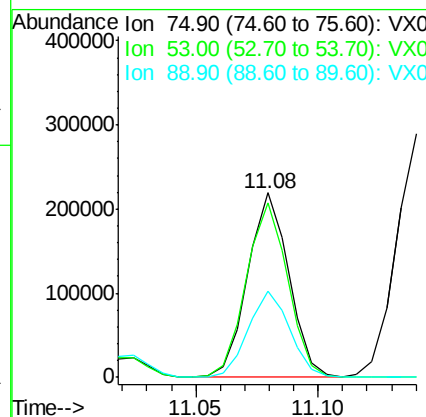
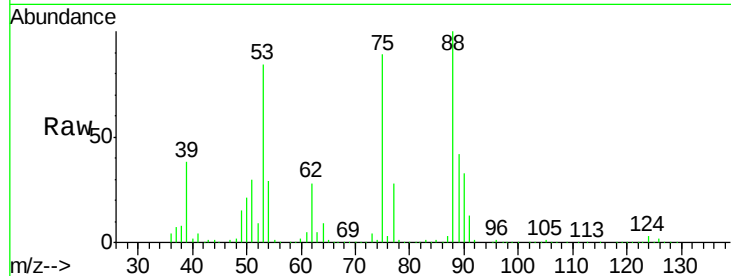
75 100

53 95.7 86.8 130.2

89 47.4 38.2 57.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 167.55 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003244.D

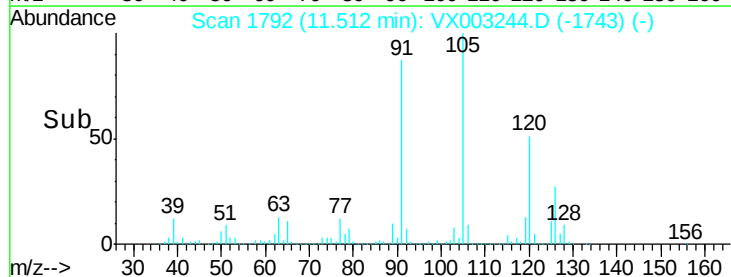
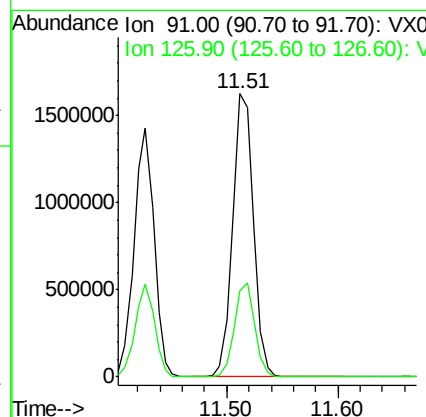
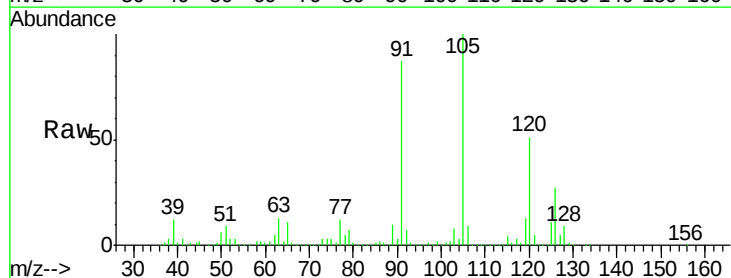
Acq: 09 Jul 2018 13:36

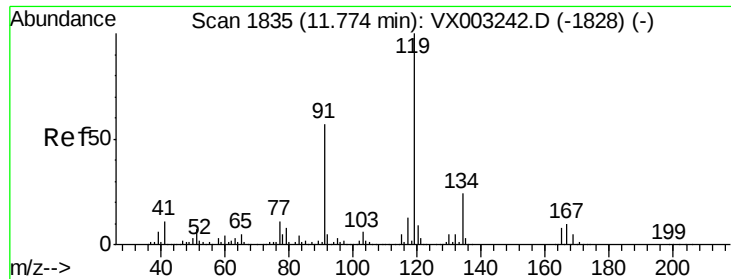
Tgt Ion: 91 Resp: 2096899

Ion Ratio Lower Upper

91 100

126 32.2 15.4 46.4





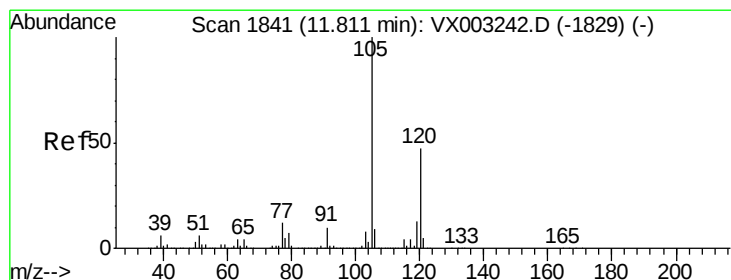
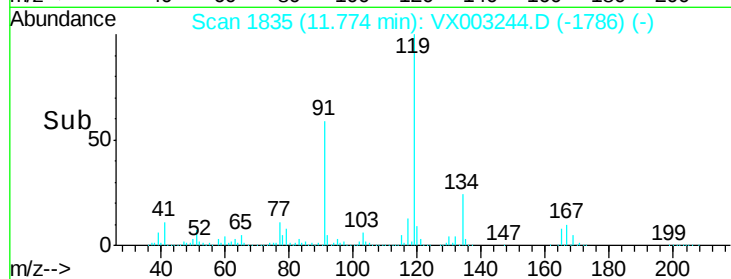
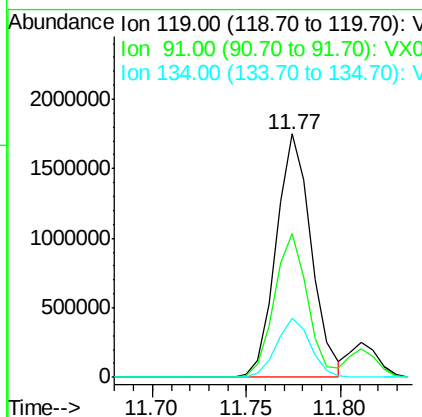
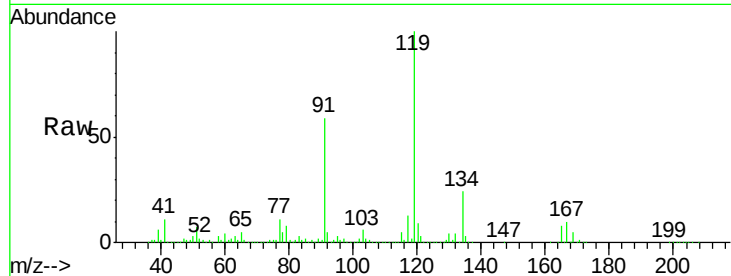
#83
 tert-Butylbenzene
 Concen: 177.45 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003244.D
 Acq: 09 Jul 2018 13:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.4	30.3	90.9
134	23.5	11.7	35.1

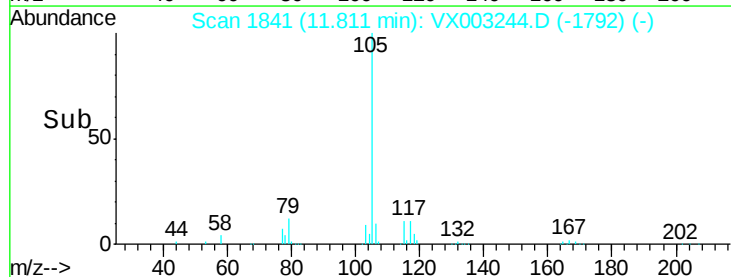
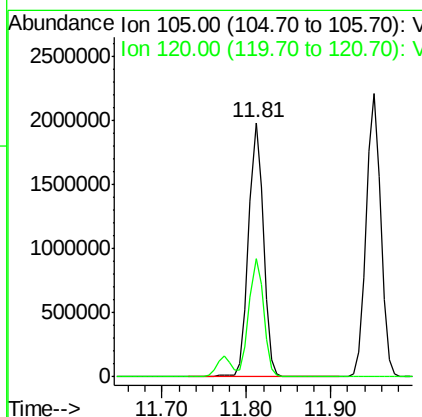
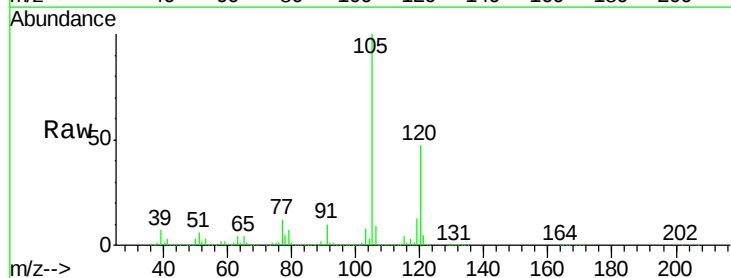
Manual Integrations
 APPROVED

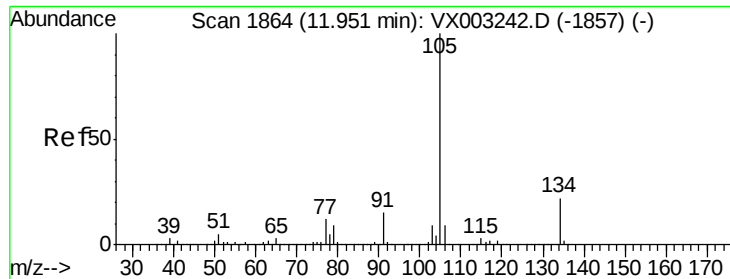
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 171.58 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003244.D
 Acq: 09 Jul 2018 13:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	22.3	66.8





#85

sec-Butylbenzene

Concen: 172.67 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2667186

Ion Ratio Lower Upper

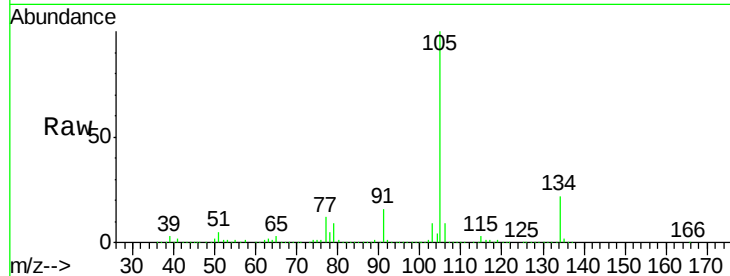
105 100

134 21.5 10.4 31.1

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

Ion 134.00 (133.70 to 134.70): V

2500000

2000000

1500000

1000000

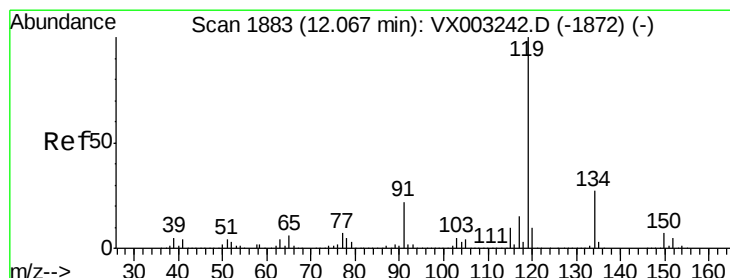
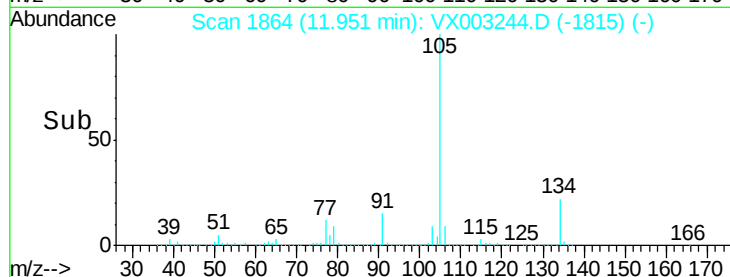
500000

0

11.90

12.00

Time-->



#86

p-Isopropyltoluene

Concen: 176.67 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

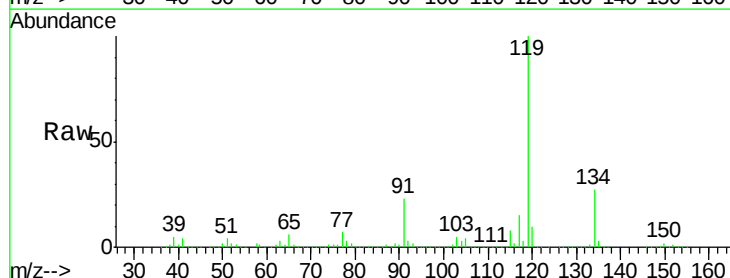
Tgt Ion:119 Resp: 2453515

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

91 22.4 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

2500000

2000000

1500000

1000000

500000

0

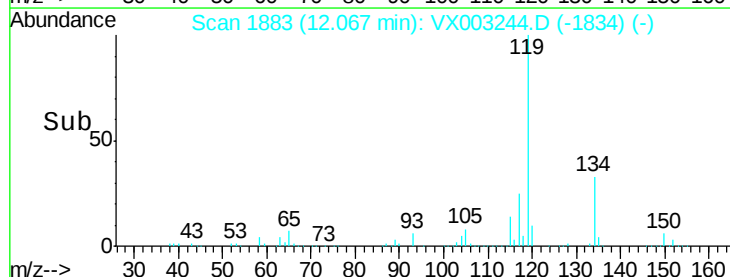
11.90

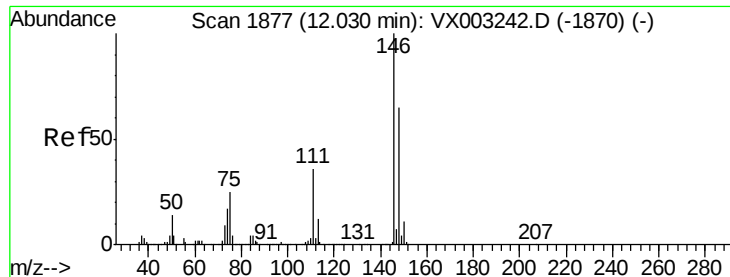
12.00

12.10

12.20

Time-->





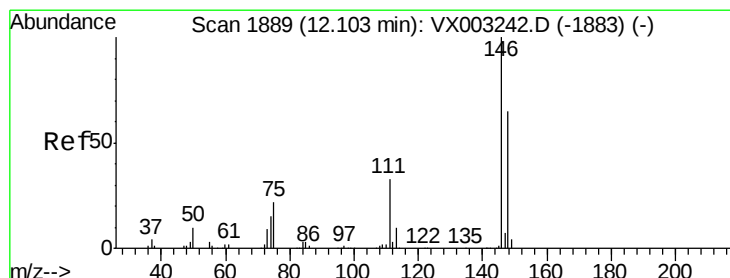
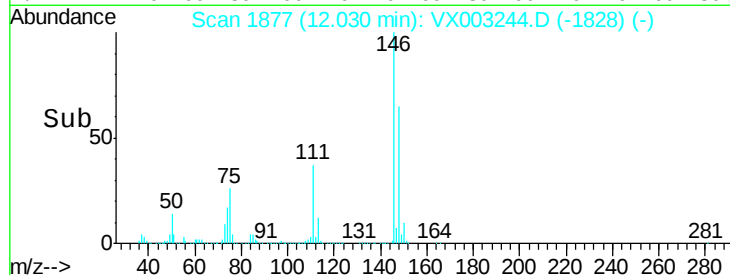
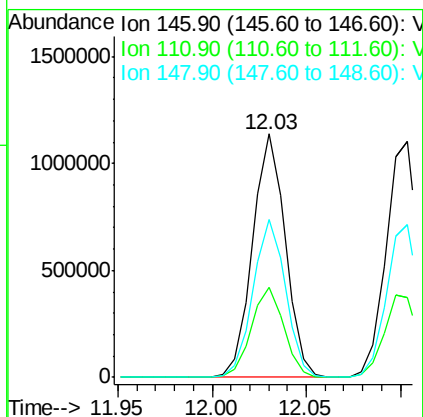
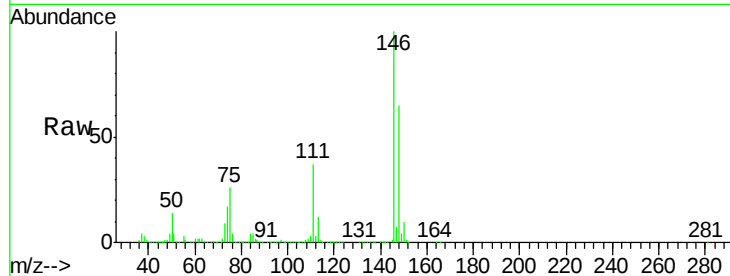
#87
 1,3-Dichlorobenzene
 Concen: 172.23 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003244.D
 Acq: 09 Jul 2018 13:36

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion:146 Resp: 1374104
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.9 56.7
 148 64.5 32.1 96.3

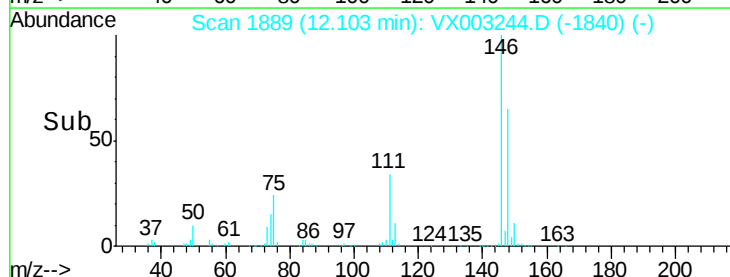
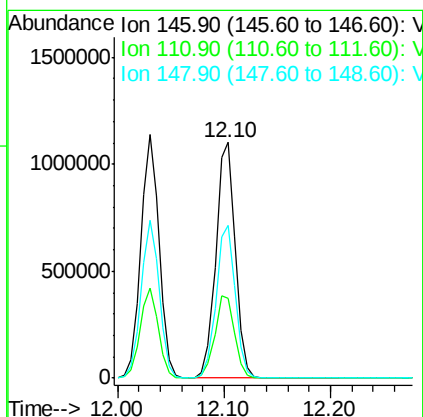
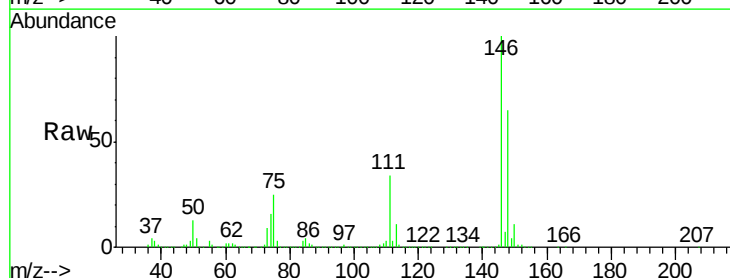
Manual Integrations
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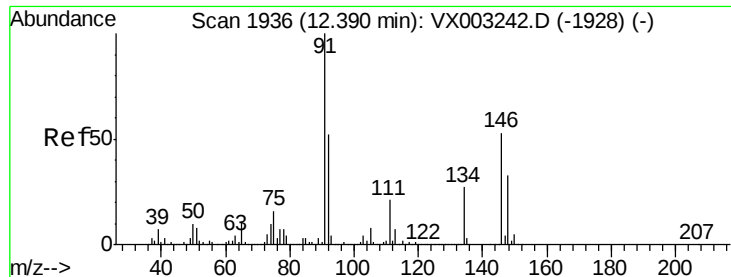
MMDadoda
 7/10/2018 3:11:46 PM



#88
 1,4-Dichlorobenzene
 Concen: 168.14 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX003244.D
 Acq: 09 Jul 2018 13:36

Tgt Ion:146 Resp: 1380495
 Ion Ratio Lower Upper
 146 100
 111 35.3 18.7 56.1
 148 64.5 32.4 97.0





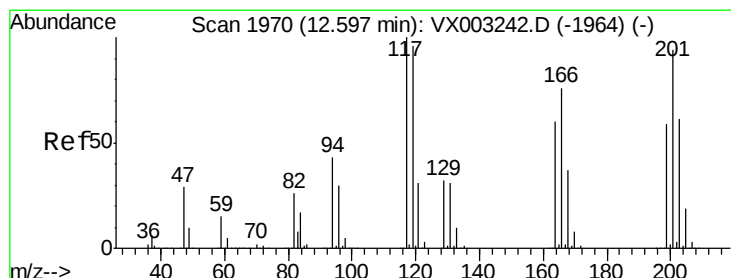
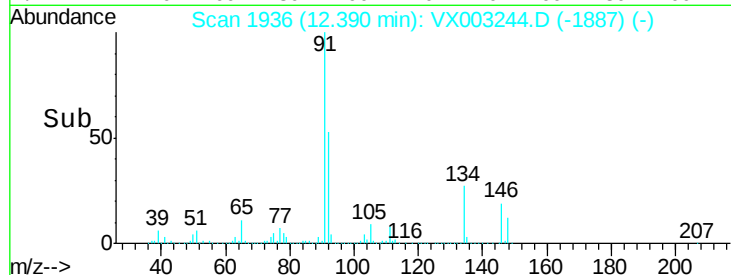
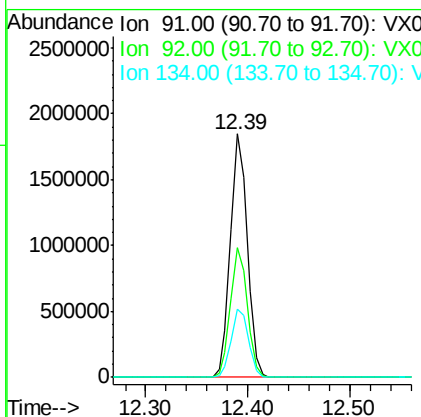
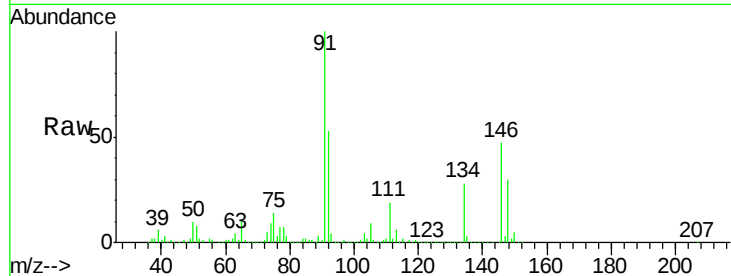
#89
n-Butylbenzene
Concen: 173.64 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003244.D
Acq: 09 Jul 2018 13:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2098878
Ion Ratio Lower Upper
91 100
92 53.1 26.0 78.0
134 28.7 13.5 40.5

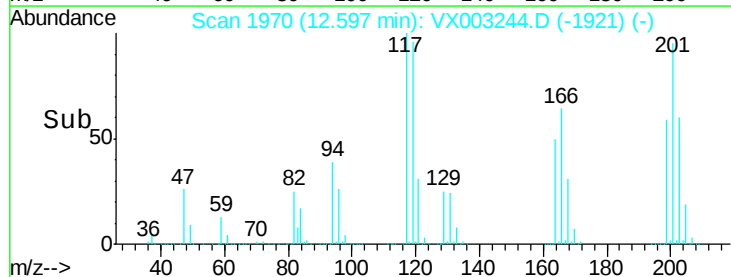
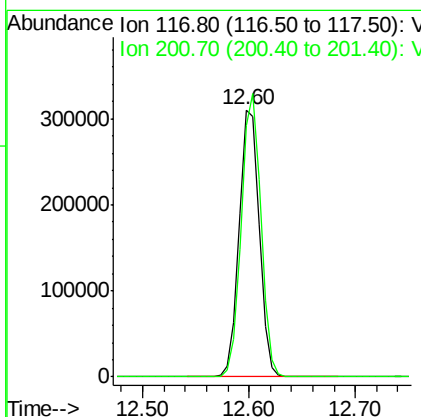
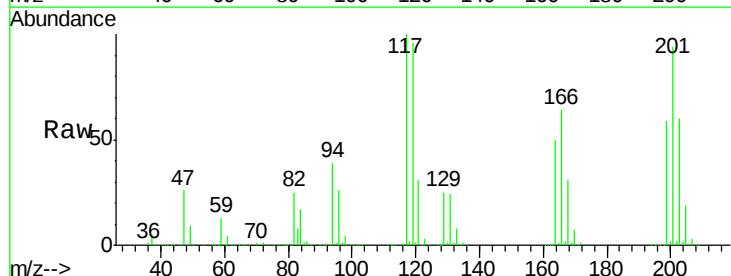
Manual Integrations
APPROVED

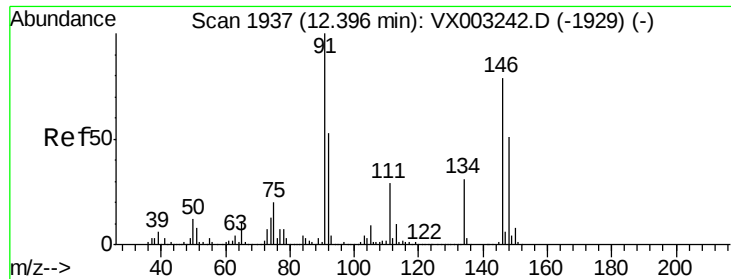
MMDadoda
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#90
Hexachloroethane
Concen: 199.92 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003244.D
Acq: 09 Jul 2018 13:36

Tgt Ion: 117 Resp: 412955
Ion Ratio Lower Upper
117 100
201 103.2 49.0 147.0





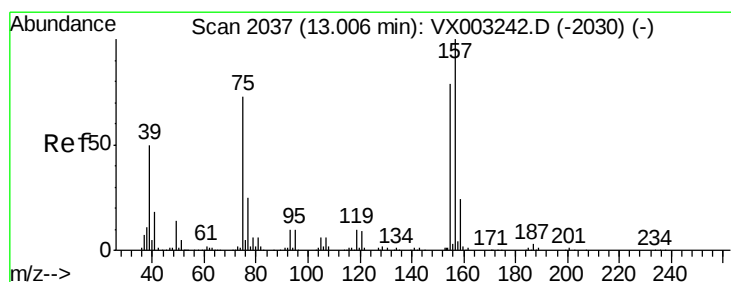
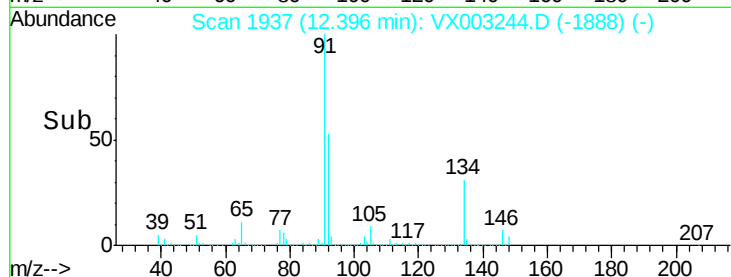
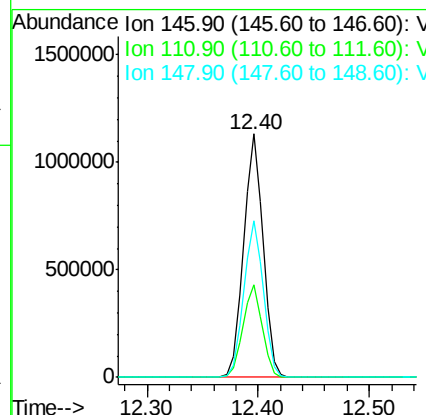
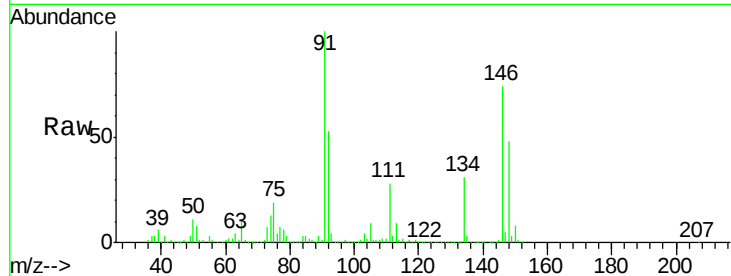
#91
 1,2-Dichlorobenzene
 Concen: 169.29 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003244.D
 Acq: 09 Jul 2018 13:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.4	58.1
148	64.5	31.7	95.1

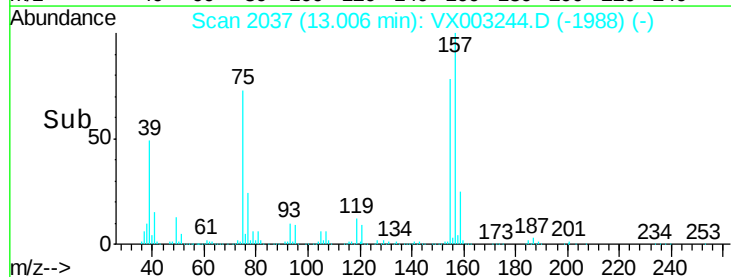
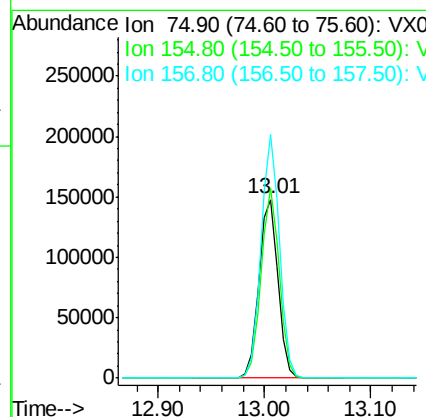
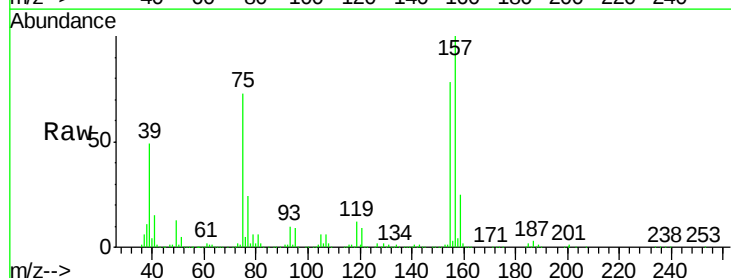
Manual Integrations
 APPROVED

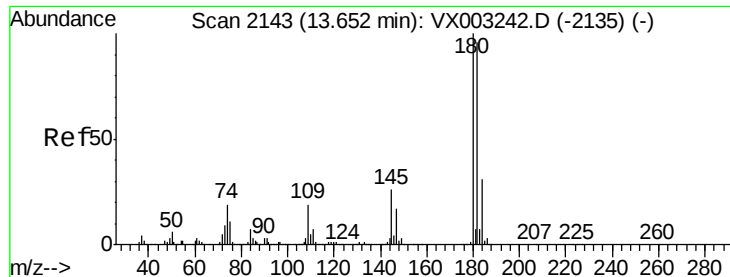
MMDadoda
 7/10/2018 3:11:46 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 174.76 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003244.D
 Acq: 09 Jul 2018 13:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.1	45.8	137.4
157	131.9	60.1	180.3





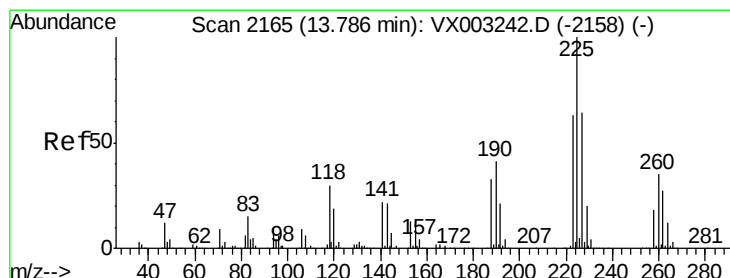
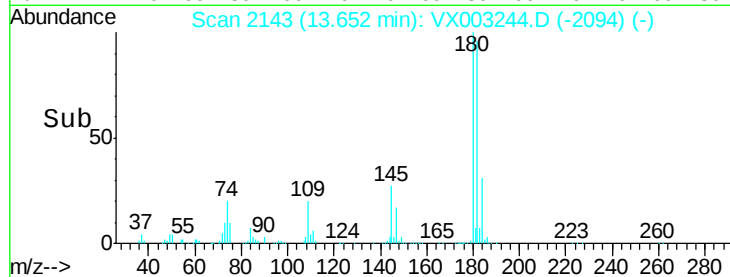
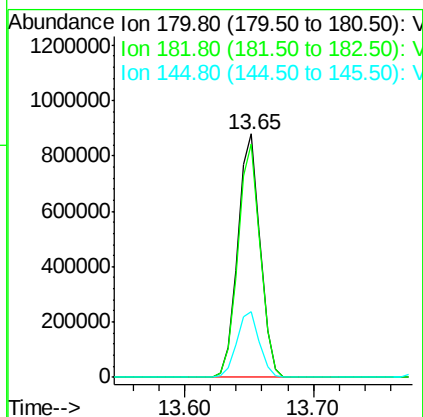
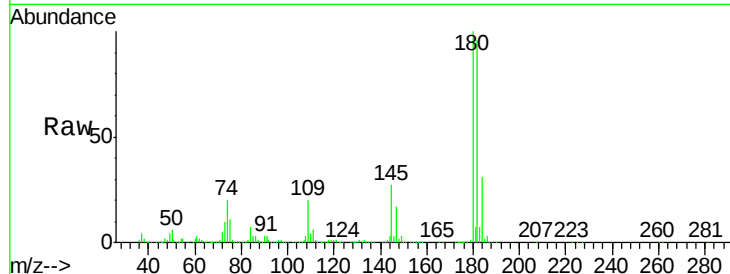
#93
 1,2,4-Trichlorobenzene
 Concen: 180.48 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX003244.D
 Acq: 09 Jul 2018 13:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.7	143.1
145	27.4	14.1	42.4

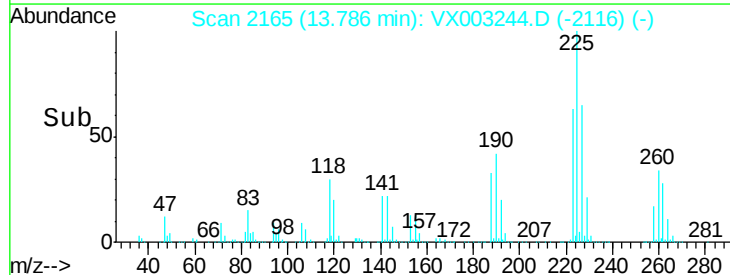
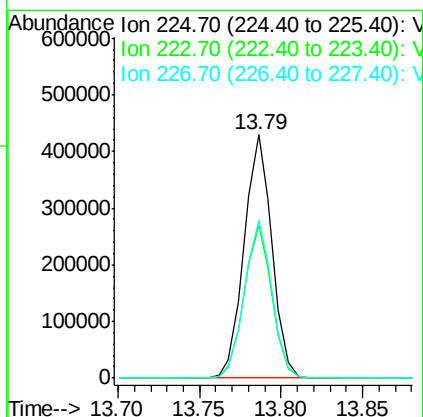
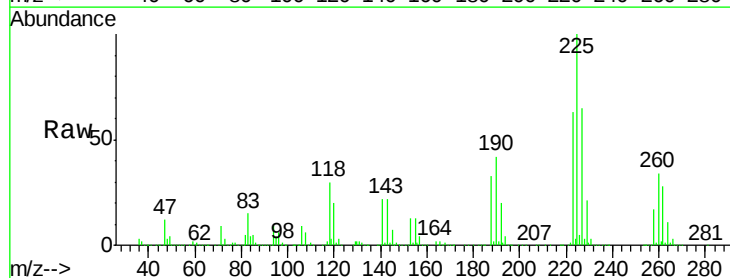
Manual Integrations
 APPROVED

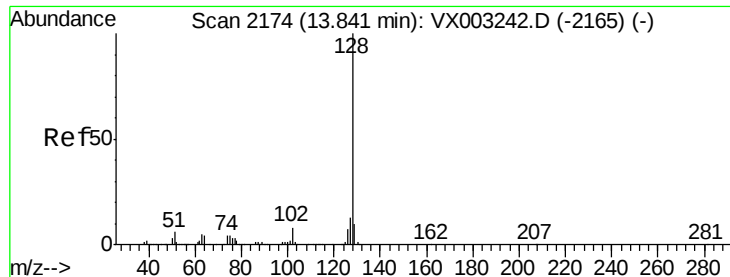
MMDadoda
 7/10/2018 3:11:46 PM



#94
 Hexachlorobutadiene
 Concen: 173.82 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003244.D
 Acq: 09 Jul 2018 13:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.6	95.0
227	64.4	32.4	97.2





#95

Naphthalene

Concen: 180.95 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 2824496

Ion Ratio Lower Upper

128 100

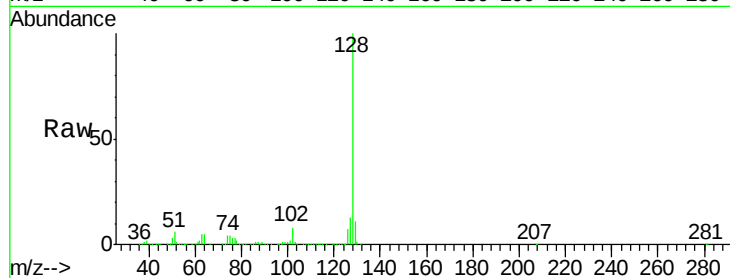
127 13.1 10.4 15.6

129 11.1 8.6 13.0

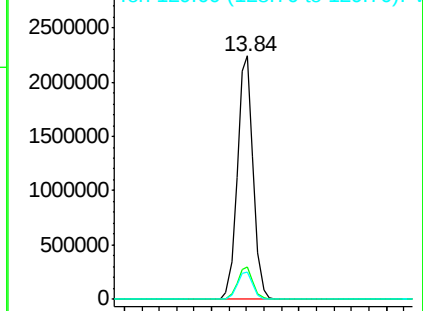
Manual Integrations
APPROVED

MMDadoda

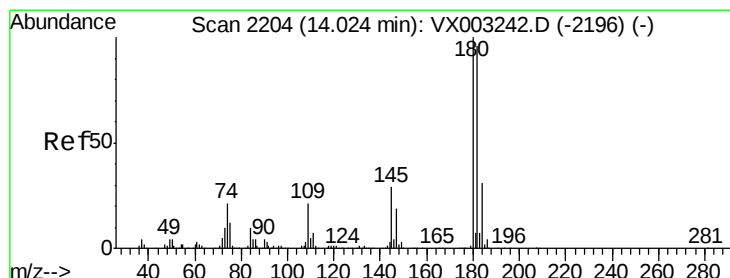
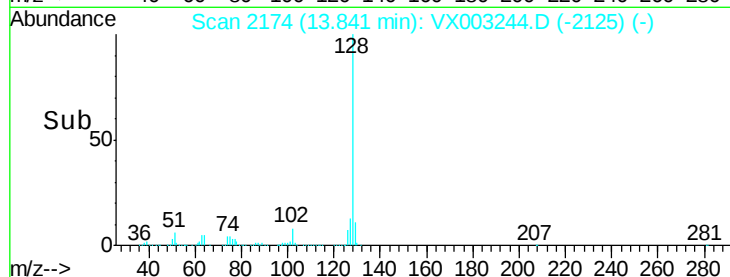
7/10/2018 3:11:46 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 178.15 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003244.D

Acq: 09 Jul 2018 13:36

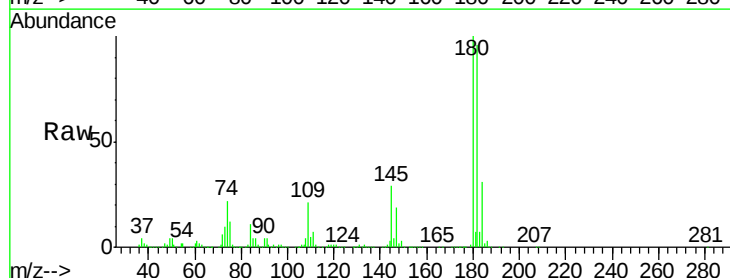
Tgt Ion:180 Resp: 1042840

Ion Ratio Lower Upper

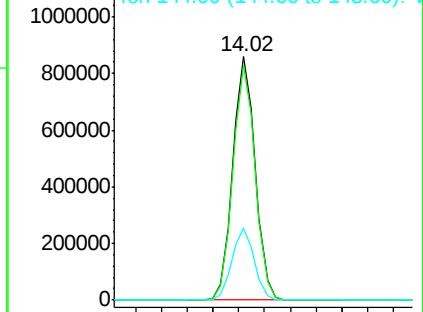
180 100

182 96.3 48.0 144.0

145 29.2 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time-->

