

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001809.D
 Acq On : 18 May 2018 05:34
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 5/21/2018 2:40:34 PM

Quant Time: May 18 10:07:08 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X051818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 18 06:08:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	57810	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	273081	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	208212	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	114059	27.79	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	92.63%
60) 4-Bromofluorobenzene	11.14	95	95946	29.52	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.40%
63) Toluene-d8	8.72	98	316343	33.22	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	110.73%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	163889	66.14	ug/l	98
3) Chloromethane	1.32	50	309284	102.49	ug/l	100
4) Vinyl Chloride	1.40	62	278080	91.21	ug/l	99
6) Chloroethane	1.71	64	197668	95.61	ug/l	100
7) Trichlorofluoromethane	1.92	101	301845	71.60	ug/l	97
8) Diethyl Ether	2.19	74	214302	107.64	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	170668	73.25	ug/l	98
10) 1,1-Dichloroethene	2.37	96	210298	84.47	ug/l	100
11) Methyl Iodide	2.51	142	410908	110.67	ug/l	97
12) Methyl Acetate	2.78	43	521357	114.78	ug/l	99
13) Acrolein	2.30	56	296573	563.69	ug/l	99
14) Acrylonitrile	3.16	53	972974	541.88	ug/l	99
15) Acetone	2.45	58	264074	545.37	ug/l	99
16) Carbon Disulfide	2.56	76	562959	90.71	ug/l	99
17) Allvl chloride	2.73	41	479951	98.21	ug/l	98
18) Methylene Chloride	2.86	84	316938	102.78	ug/l	97
19) trans-1,2-Dichloroethene	3.16	96	258361	93.46	ug/l	95
20) Diisopropyl ether	3.88	45	1057129	111.75	ug/l	99
21) 1,1-Dichloroethane	3.70	63	521926	98.73	ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	350103	109.01	ug/l	97
23) tert-Butyl Alcohol	3.09	59	411369	521.67	ug/l #	100
24) Methyl tert-Butyl Ether	3.21	73	1003961	105.43	ug/l	100
25) Chloroform	5.22	83	557564	101.30	ug/l	99
26) Cyclohexane	5.57	56	309254	84.09	ug/l #	99
29) 1,1-Dichloropropene	5.80	75	317590	96.29	ug/l	99
30) 2-Butanone	4.72	43	1404081	601.19	ug/l	99
31) 2,2-Dichloropropane	4.59	77	187548	69.74	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	403966	95.73	ug/l	98
33) Carbon Tetrachloride	5.79	117	330438	90.28	ug/l	99
34) Benzene	6.15	78	1220543	110.38	ug/l	98
35) Methacrylonitrile	5.07	41	302064	119.79	ug/l	96
36) 1,2-Dichloroethane	6.20	62	454120	103.95	ug/l	100
37) Trichloroethene	7.22	130	332598	104.27	ug/l	97
38) Methylcyclohexane	7.46	83	315094	91.58	ug/l	96
39) 1,2-Dichloropropane	7.52	63	328113	116.82	ug/l	100
40) Dibromomethane	7.67	93	229921	114.17	ug/l	99
41) Bromodichloromethane	7.90	83	433371	115.68	ug/l	97

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 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X051818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	3.83	43	3685082	503.44	ug/l	99
43) Ethyl Acetate	4.87	43	529552	119.07	ug/l	99
44) Isopropyl Acetate	6.48	43	824959	121.78	ug/l	99
45) 1,4-Dioxane	7.76	88	199198	2506.29	ug/l	96
46) Methyl methacrylate	7.79	41	435419	119.86	ug/l	98
47) n-amyl Acetate	10.91	43	607308	109.53	ug/l	97
48) t-1,3-Dichloropropene	8.44	75	481042	117.24	ug/l	99
49) cis-1,3-Dichloropropene	9.05	75	440030	121.48	ug/l	97
50) 1,1,2-Trichloroethane	9.22	97	301314	103.05	ug/l	98
51) Ethyl methacrylate	9.19	69	469792	111.74	ug/l	99
52) 1,3-Dichloropropane	9.38	76	494174	103.08	ug/l	99
53) Dibromochloromethane	9.59	129	333079	110.38	ug/l	100
54) 1,2-Dibromoethane	9.68	107	320457	104.77	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	1367457	598.21	ug/l	99
56) Bromoform	10.87	173	292331	117.67	ug/l	99
58) 4-Methyl-2-Pentanone	8.66	43	2732829	684.29	ug/l	98
59) 2-Hexanone	9.51	43	1784444	617.09	ug/l	99
61) Tetrachloroethene	9.34	164	305233	102.92	ug/l	99
62) Toluene	8.79	91	1224970	120.19	ug/l	100
64) Chlorobenzene	10.15	112	710814	108.91	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.23	131	298454	118.42	ug/l	99
66) Ethyl Benzene	10.26	91	1053106	104.05	ug/l	99
67) m/p-Xylenes	10.37	106	835853	207.11	ug/l	100
68) o-Xylene	10.71	106	436652	108.36	ug/l	98
69) Styrene	10.72	104	746779	111.58	ug/l	100
70) Isopropylbenzene	11.02	105	1006581	98.94	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	441069	120.96	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	423595m	119.92	ug/l	
73) Bromobenzene	11.26	156	350562	110.10	ug/l	98
74) n-propylbenzene	11.37	91	1079214	97.20	ug/l	100
75) 2-Chlorotoluene	11.43	91	718529	101.58	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	854496	99.94	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	113066	128.31	ug/l	83
78) 4-Chlorotoluene	11.52	91	809881	101.11	ug/l	99
79) tert-butylbenzene	12.07	119	885853	99.23	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	895852	102.31	ug/l	100
81) sec-Butylbenzene	11.95	105	946154	96.70	ug/l	99
82) p-Isopropyltoluene	12.07	119	885853	99.23	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	559326	102.94	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	564452	103.53	ug/l	99
85) n-Butylbenzene	12.40	91	690675	98.19	ug/l	99
86) Hexachloroethane	12.60	117	151568	105.41	ug/l	99
87) 1,2-Dichlorobenzene	12.40	146	600748	105.70	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.01	75	105994	126.45	ug/l	96
89) 1,2,4-Trichlorobenzene	13.65	180	421422	105.98	ug/l	99
90) Hexachlorobutadiene	13.79	225	192934	96.38	ug/l	98
91) Naphthalene	13.84	128	1493678	121.48	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	453815	106.69	ug/l	98

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QLast Update : Fri May 18 06:08:30 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

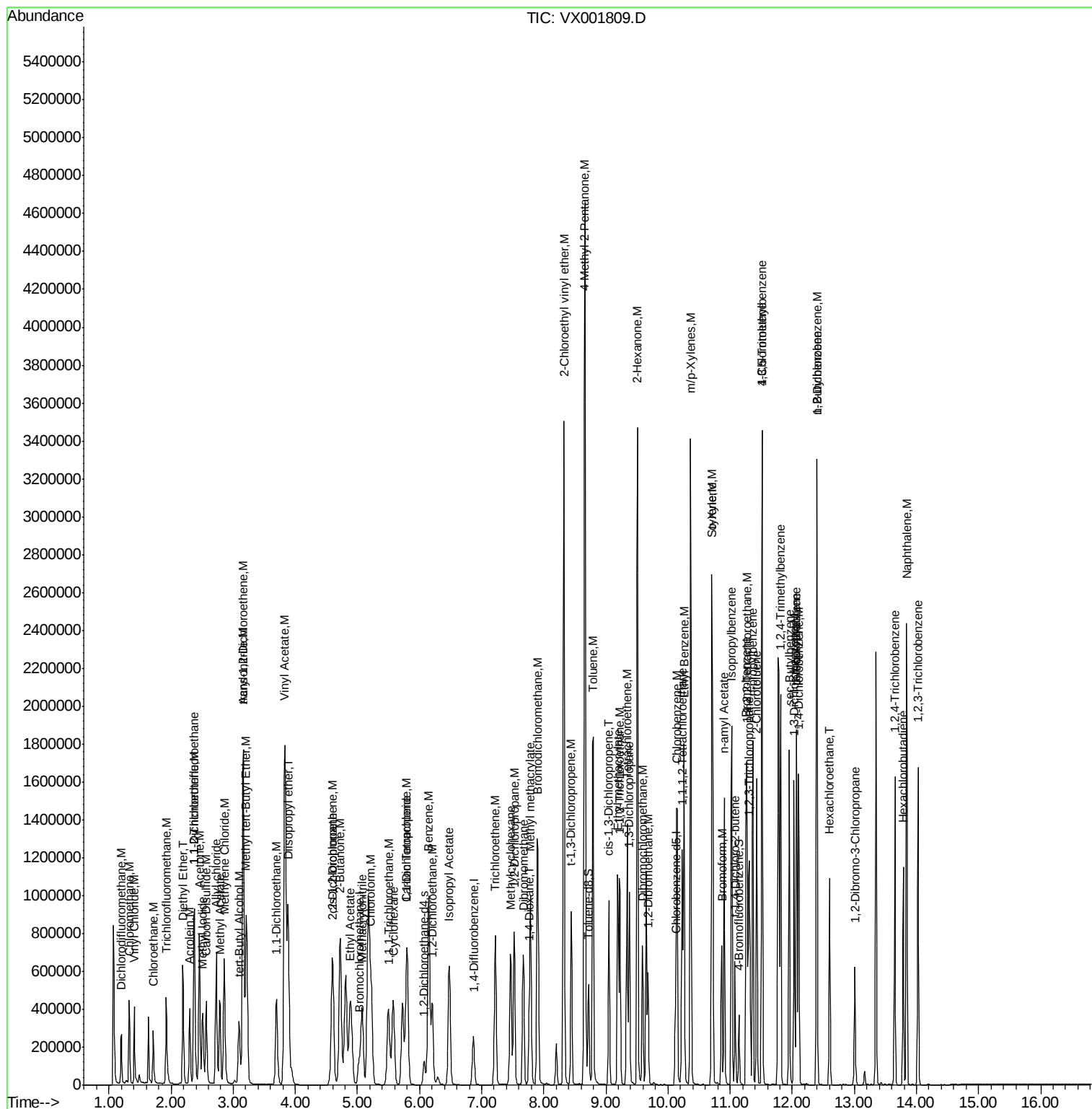
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
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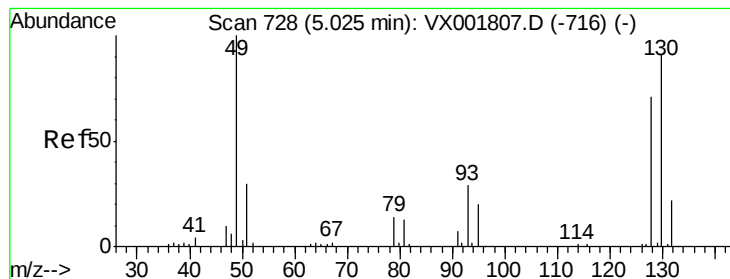
Instrument :
 MSVOA_X
 Client Sample ID :
 VSTDIC100

Manual Integrations
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 5/21/2018 2:40:34 PM

Quant Time: May 18 10:07:08 2018
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 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX001809.D

Acq: 18 May 2018 05:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 57810

Ion Ratio Lower Upper

128 100

49 148.3 0.0 352.3

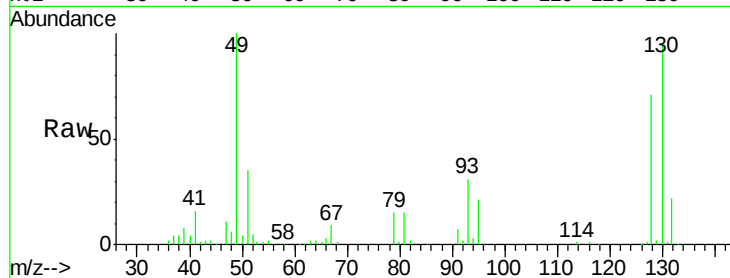
130 129.5 0.0 323.5

Manual Integrations

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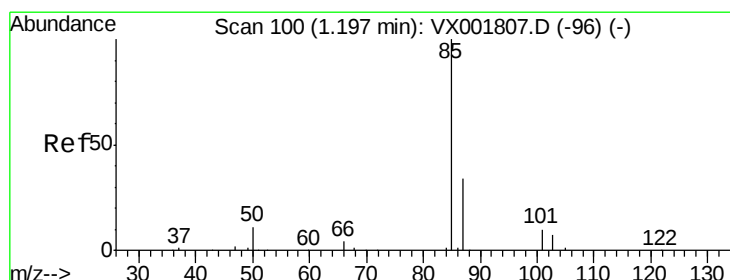
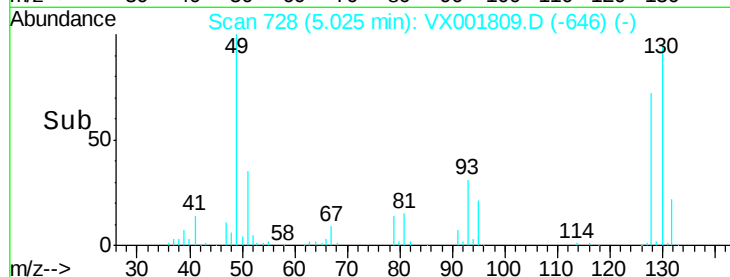
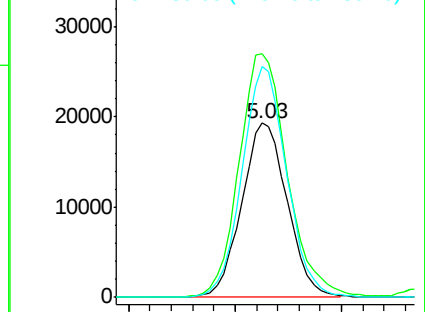
5/21/2018 2:40:34 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 66.14 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001809.D

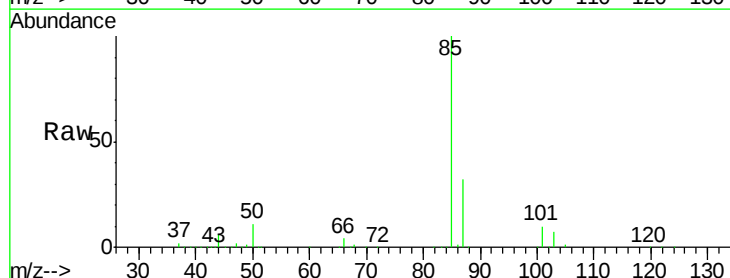
Acq: 18 May 2018 05:34

Tgt Ion: 85 Resp: 163889

Ion Ratio Lower Upper

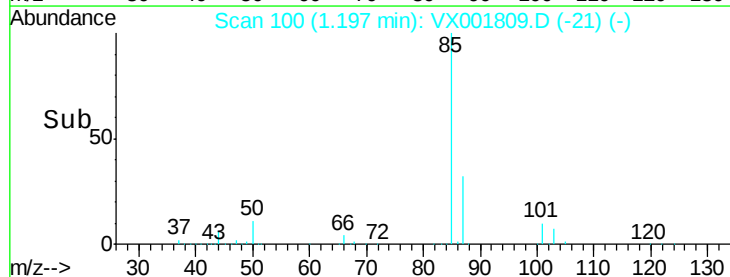
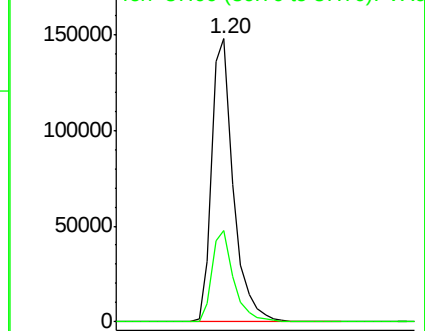
85 100

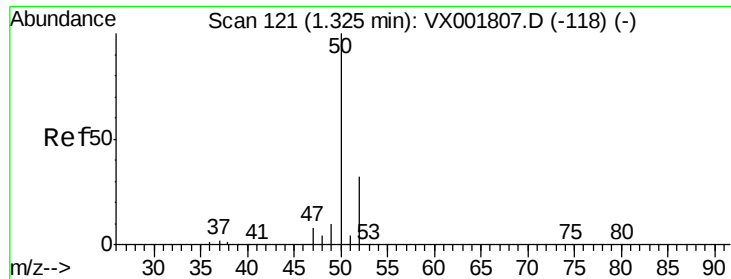
87 32.5 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 102.49 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001809.D

Acq: 18 May 2018 05:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 309284

Ion Ratio Lower Upper

50 100

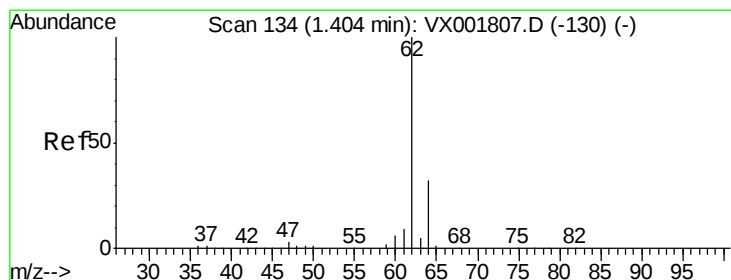
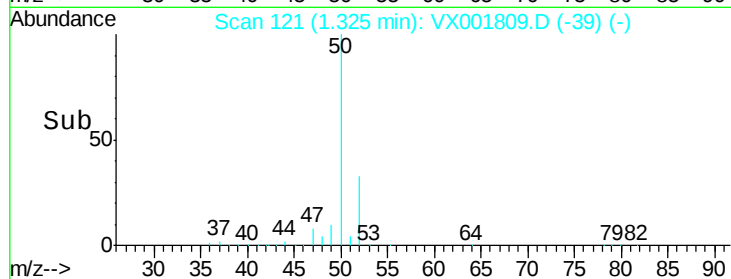
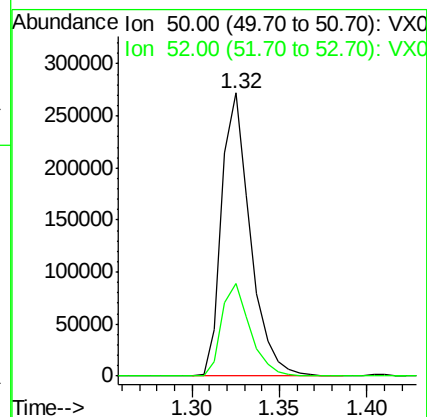
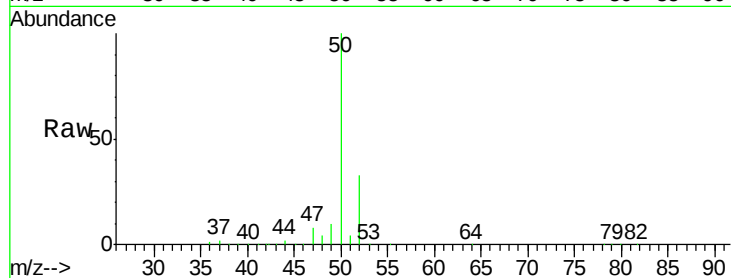
52 32.7 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 91.21 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001809.D

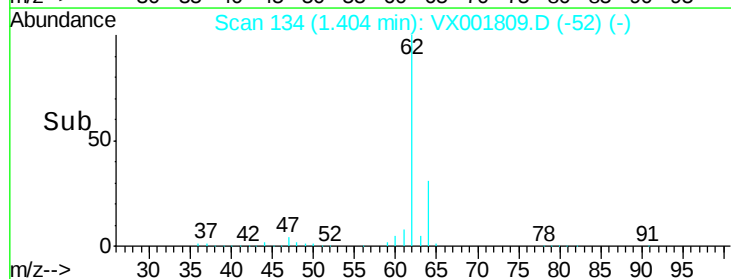
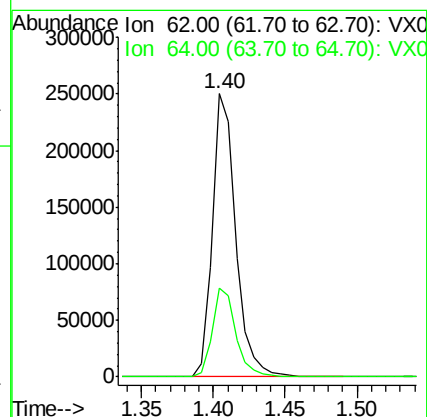
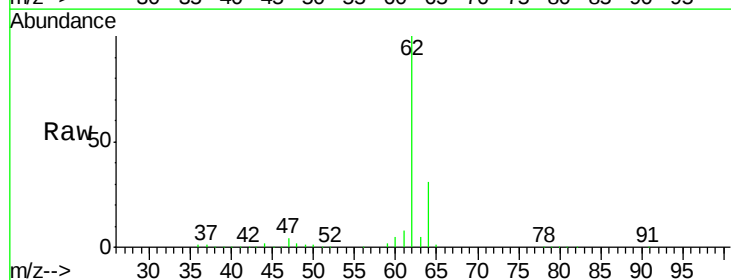
Acq: 18 May 2018 05:34

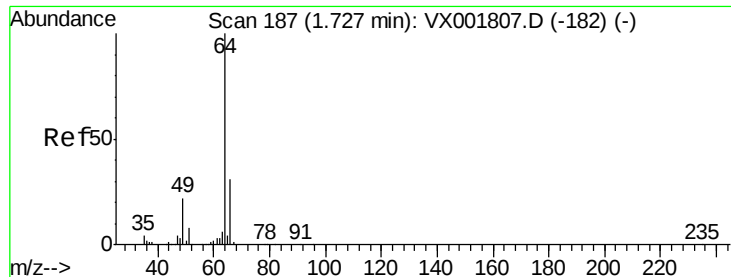
Tgt Ion: 62 Resp: 278080

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.2





#6

Chloroethane

Concen: 95.61 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX001809.D

Acq: 18 May 2018 05:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 64 Resp: 197668

Ion Ratio Lower Upper

64 100

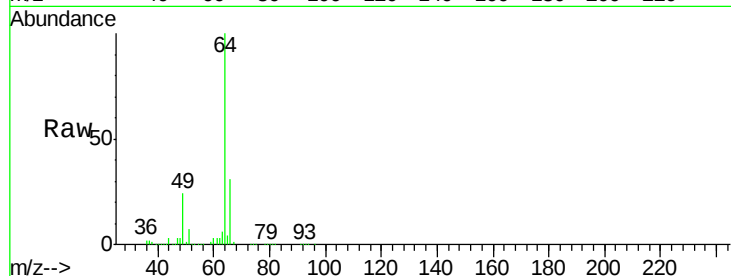
66 31.4 25.0 37.4

Manual Integrations

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Abundance Ion 64.00 (63.70 to 64.70): VX001807.D

Ion 66.00 (65.70 to 66.70): VX001807.D

1.71

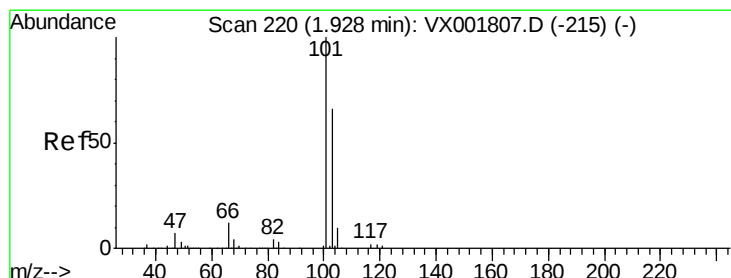
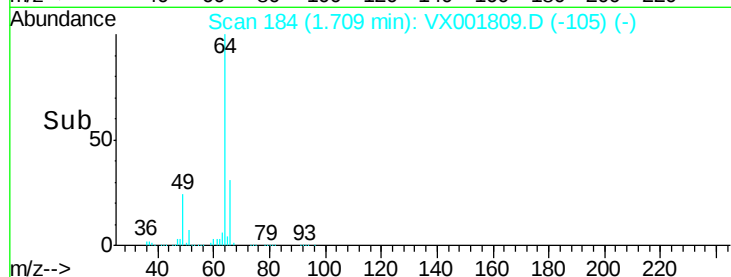
150000

100000

50000

0

Time-->



#7

Trichlorofluoromethane

Concen: 71.60 ug/l

RT: 1.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX001809.D

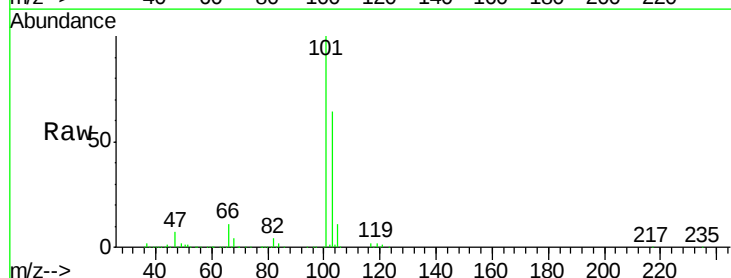
Acq: 18 May 2018 05:34

Tgt Ion: 101 Resp: 301845

Ion Ratio Lower Upper

101 100

103 64.0 52.9 79.3



Abundance Ion 101.00 (100.70 to 101.70): VX001807.D

Ion 103.00 (102.70 to 103.70): VX001807.D

1.92

250000

200000

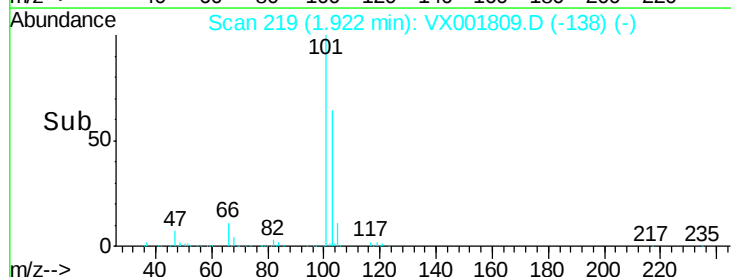
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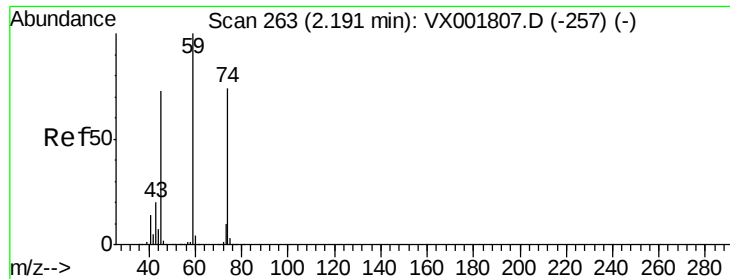
100000

50000

0

Time-->





#8

Diethyl Ether

Concen: 107.64 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX001809.D

Acq: 18 May 2018 05:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 74 Resp: 214302

Ion Ratio Lower Upper

74 100

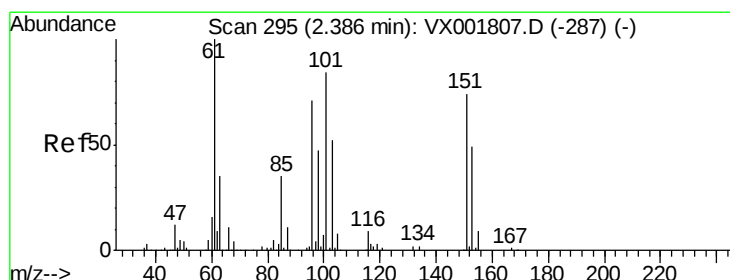
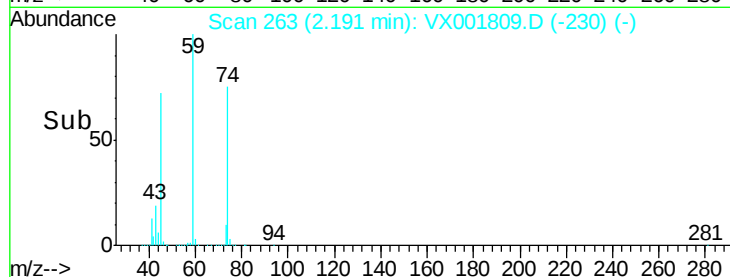
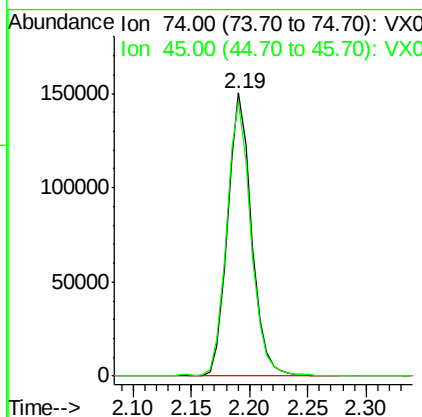
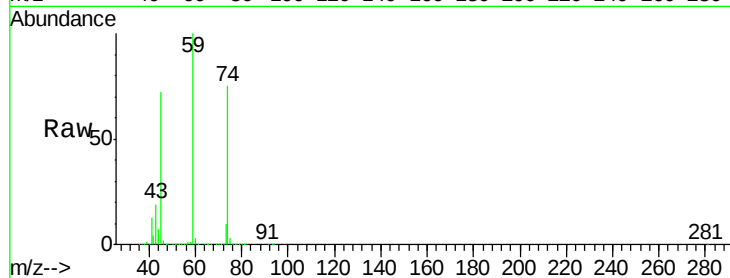
45 98.2 19.8 178.0

Manual Integrations

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#9

1,1,2-Trichlorotrifluoroethane

Concen: 73.25 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX001809.D

Acq: 18 May 2018 05:34

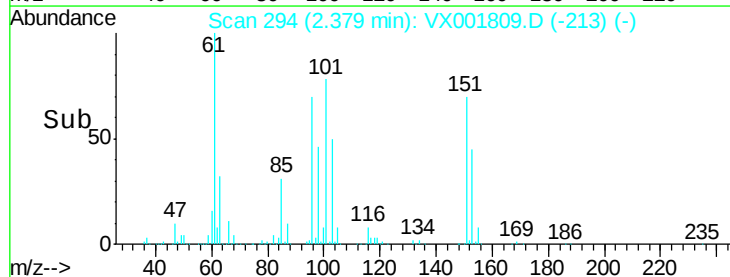
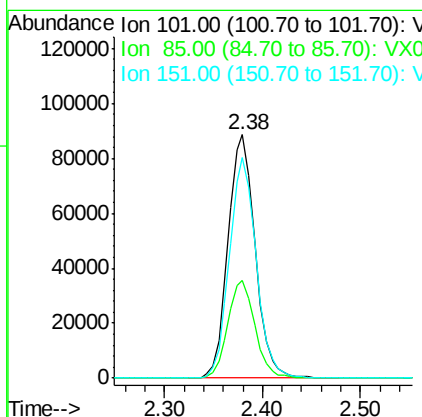
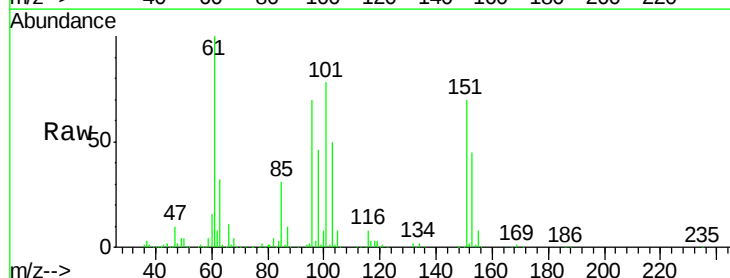
Tgt Ion: 101 Resp: 170668

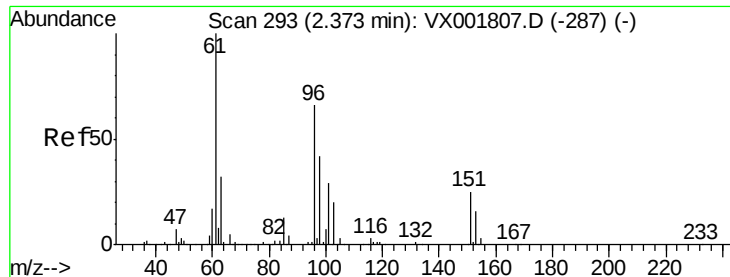
Ion Ratio Lower Upper

101 100

85 40.2 0.0 83.0

151 89.5 0.0 182.8





#10

1,1-Dichloroethene

Concen: 84.47 ug/l

RT: 2.37 min Scan# 292

Delta R.T. -0.01 min

Lab File: VX001809.D

Acq: 18 May 2018 05:34

Instrument :

MSVOA_X

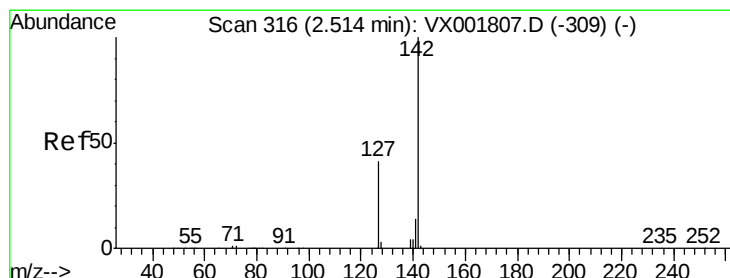
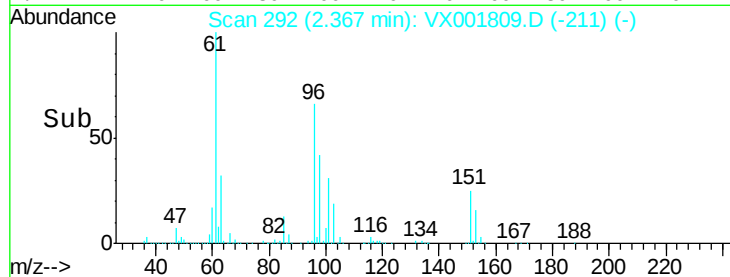
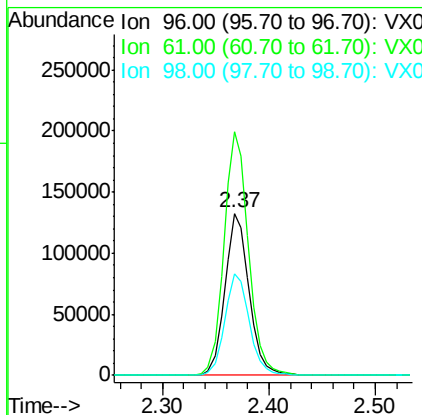
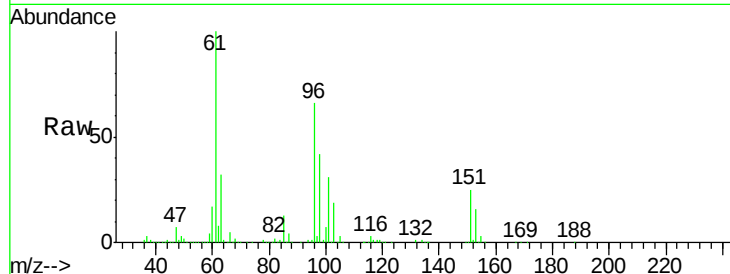
ClientSampled :

VSTDIC100

Tot Ion:	96	Resp:	210298
Ion Ratio	Lower	Upper	
96	100		
61	150.6	120.9	181.3
98	63.2	50.2	75.4

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#11

Methyl Iodide

Concen: 110.67 ug/l

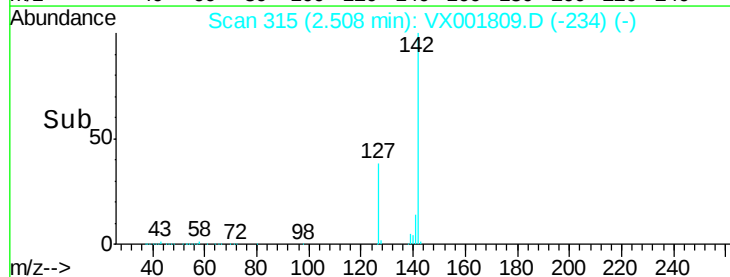
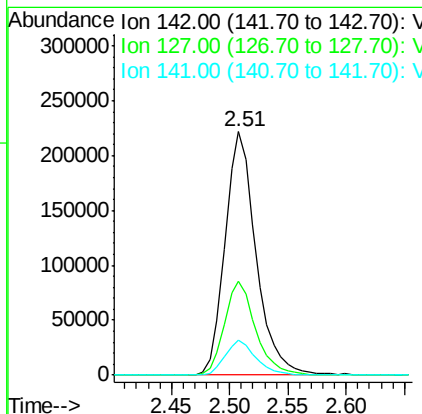
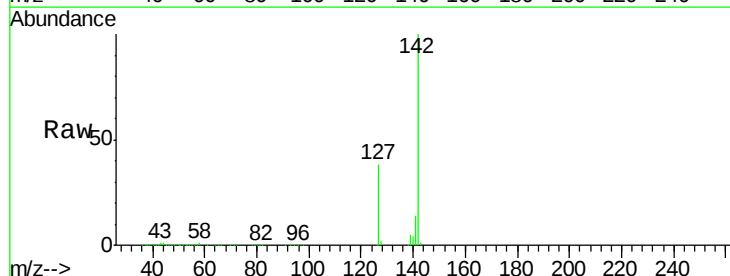
RT: 2.51 min Scan# 315

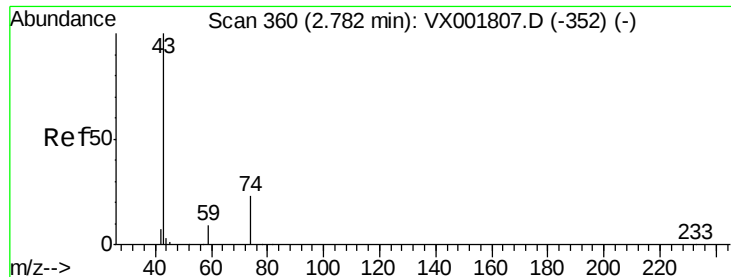
Delta R.T. -0.01 min

Lab File: VX001809.D

Acq: 18 May 2018 05:34

Tgt Ion:	142	Resp:	410908
Ion Ratio	Lower	Upper	
142	100		
127	38.3	20.3	61.0
141	14.2	7.0	21.1





#12

Methvl Acetate

Concen: 114.78 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001809.D

Acq: 18 May 2018 05:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 521357

Ion Ratio Lower Upper

43 100

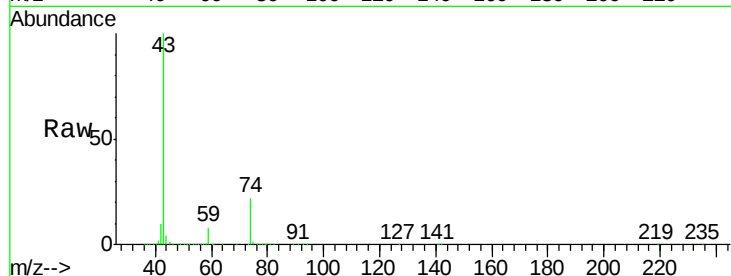
74 22.4 18.2 27.4

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

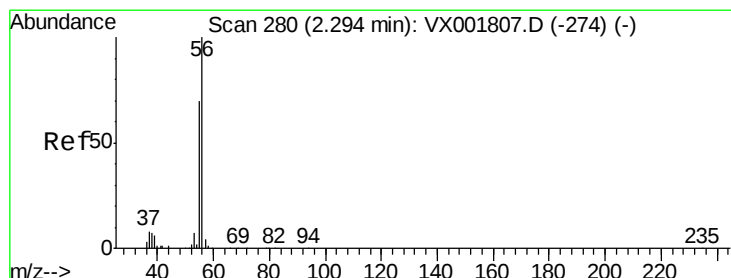
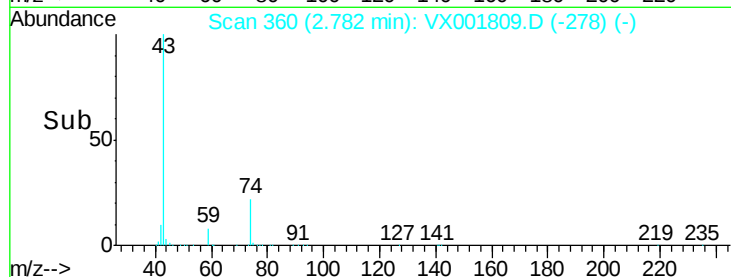
300000

200000

100000

0

Time--> 2.70 2.75 2.80 2.85



#13

Acrolein

Concen: 563.69 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX001809.D

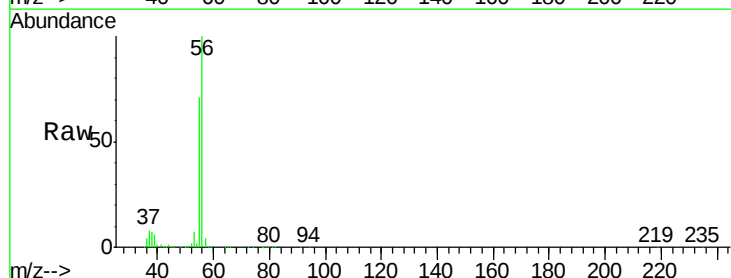
Acq: 18 May 2018 05:34

Tgt Ion: 56 Resp: 296573

Ion Ratio Lower Upper

56 100

55 70.9 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.30

200000

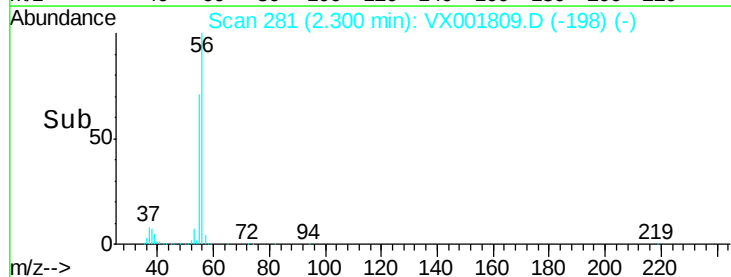
150000

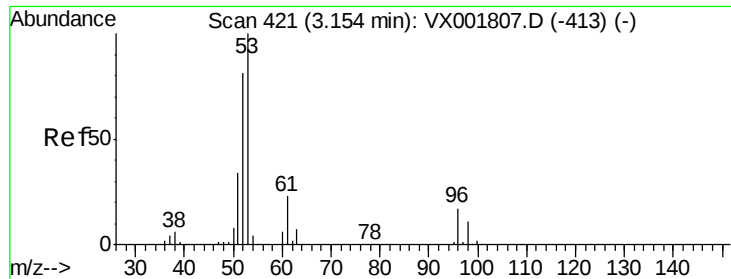
100000

50000

0

Time--> 2.20 2.25 2.30 2.35 2.40





#14

Acrylonitrile

Concen: 541.88 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX001809.D

Acq: 18 May 2018 05:34

Instrument :

MSVOA_X

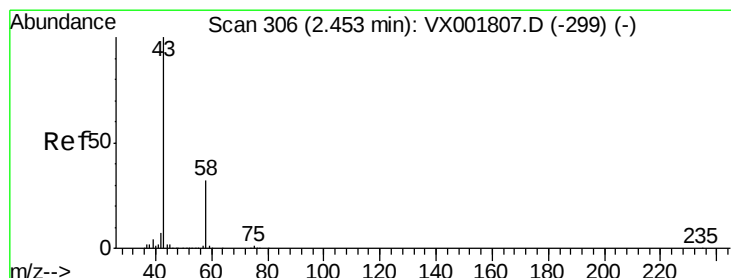
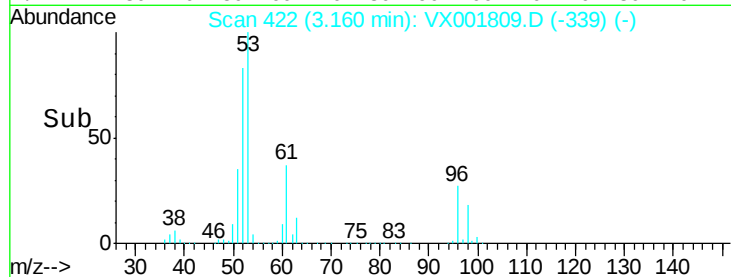
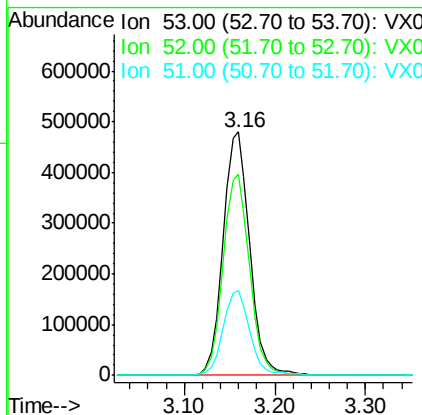
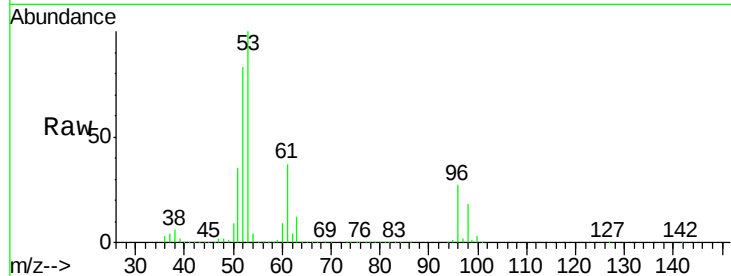
ClientSampled :

VSTDIC100

Tot Ion:	53	Resp:	972974
Ion	Ratio	Lower	Upper
53	100		
52	82.2	40.7	122.1
51	35.5	17.4	52.3

Manual Integrations
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#15

Acetone

Concen: 545.37 ug/l

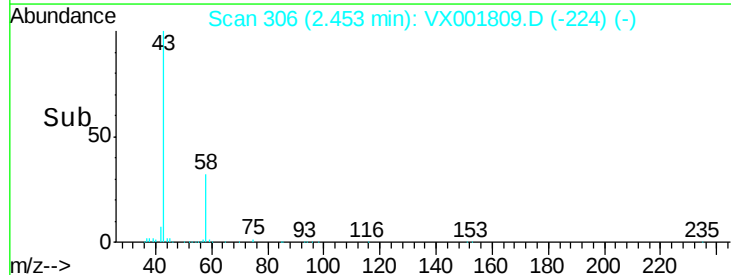
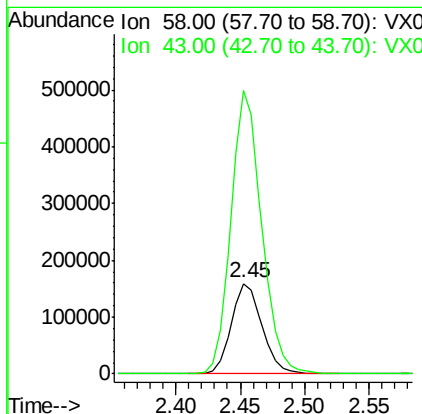
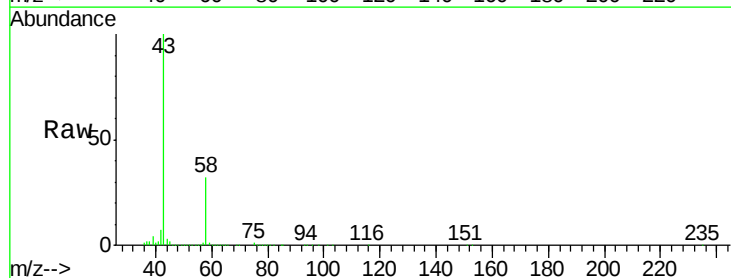
RT: 2.45 min Scan# 306

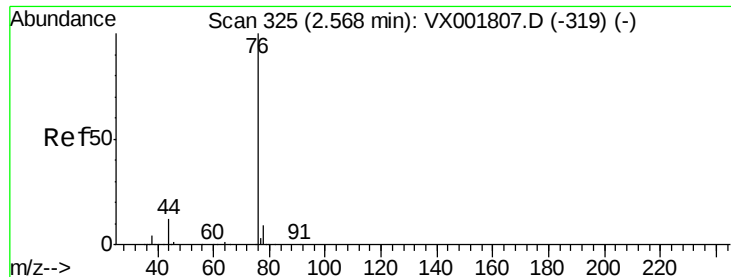
Delta R.T. 0.00 min

Lab File: VX001809.D

Acq: 18 May 2018 05:34

Tgt Ion:	58	Resp:	264074
Ion	Ratio	Lower	Upper
58	100		
43	313.3	252.1	378.1





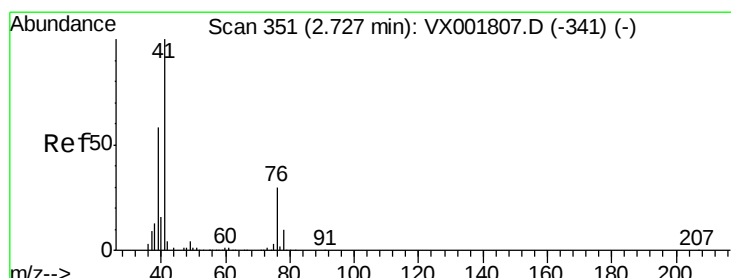
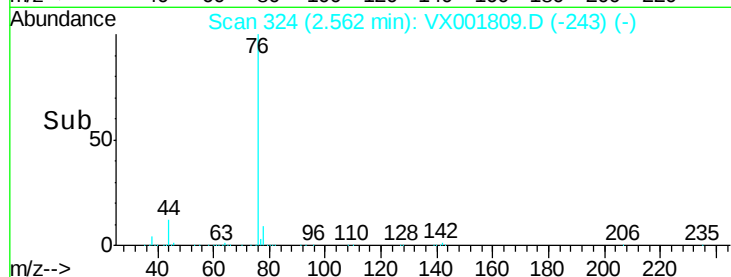
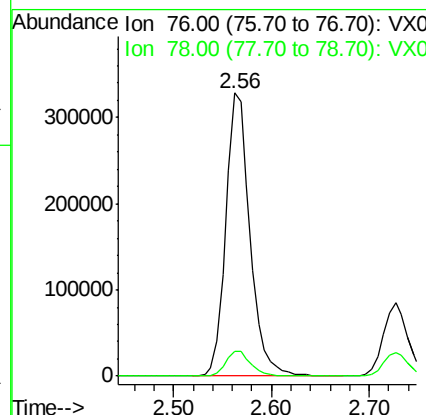
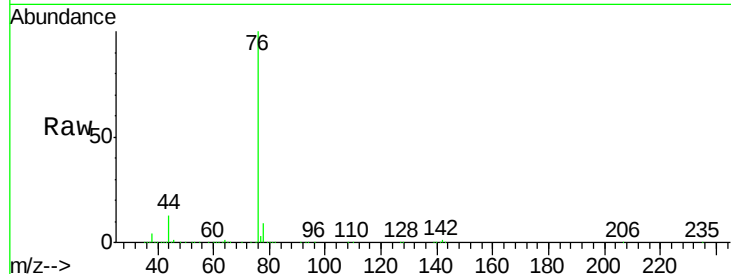
#16
Carbon Disulfide
Concen: 90.71 ug/l
RT: 2.56 min Scan# 324
Delta R.T. -0.01 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.5	11.3

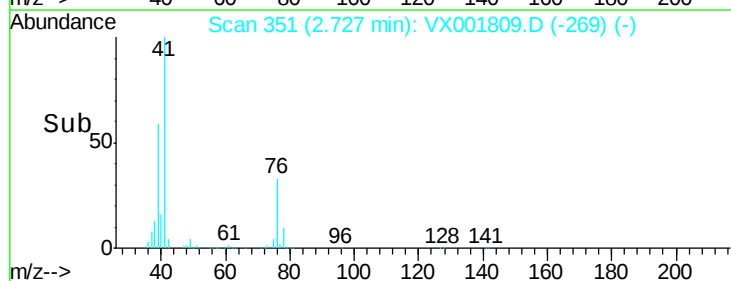
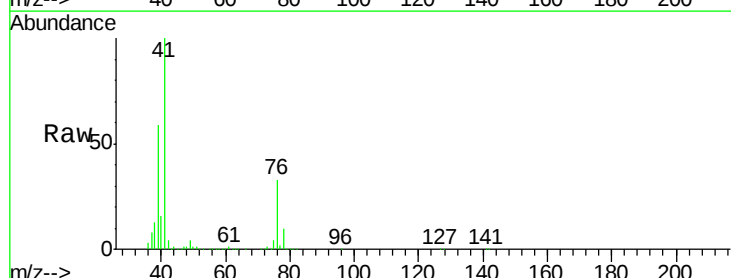
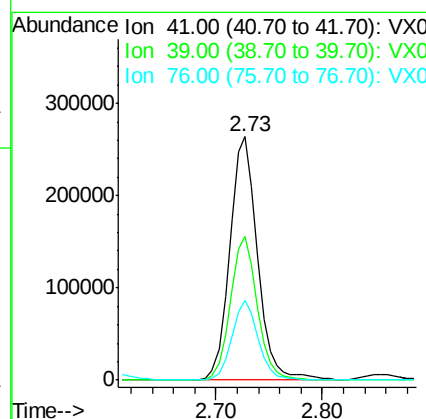
Manual Integrations
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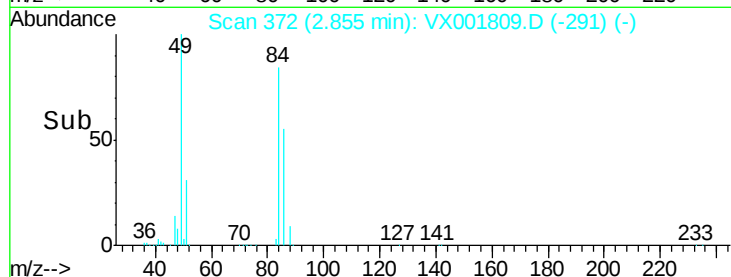
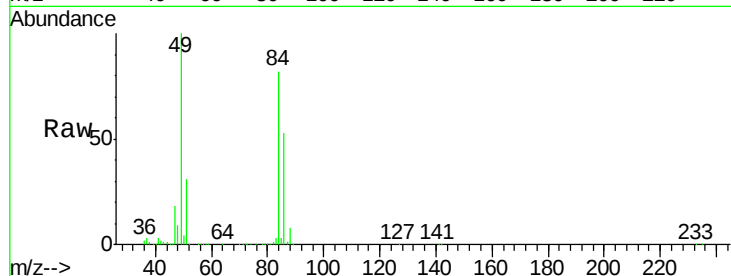
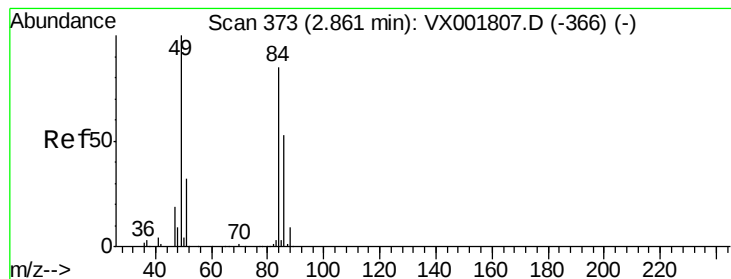
MMDadoda
5/21/2018 2:40:34 PM



#17
Allyl chloride
Concen: 98.21 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.2	29.1	87.3
76	32.5	15.2	45.5





#18

Methylene Chloride

Concen: 102.78 ug/l

RT: 2.86 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX001809.D

Acq: 18 May 2018 05:34

Tot Ion:	84	Resp:	316938
Ion	Ratio	Lower	Upper
84	100		
49	121.2	94.1	141.1
51	37.3	29.8	44.6
86	64.8	50.1	75.1

Instrument :

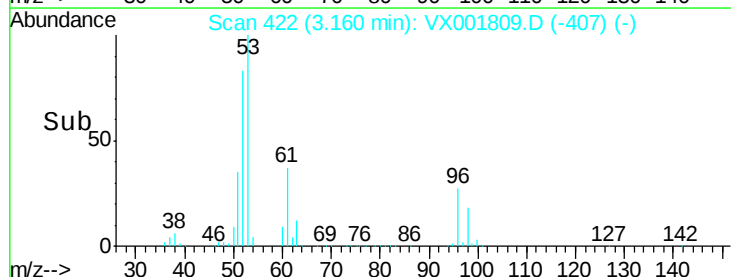
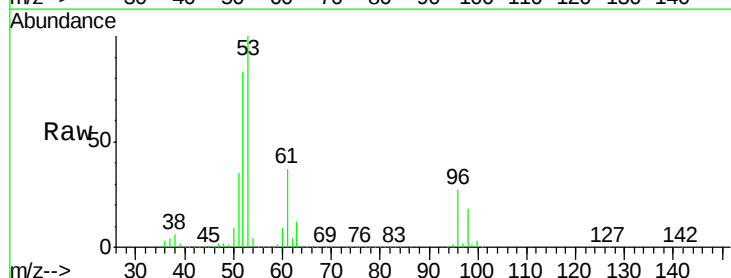
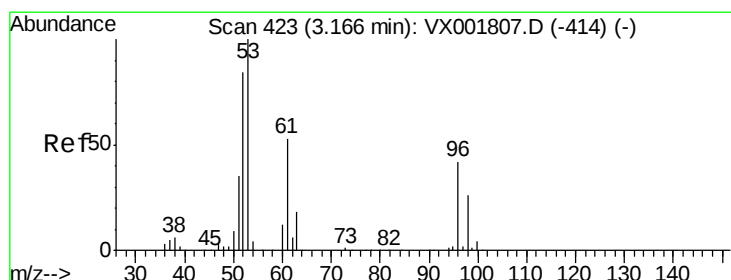
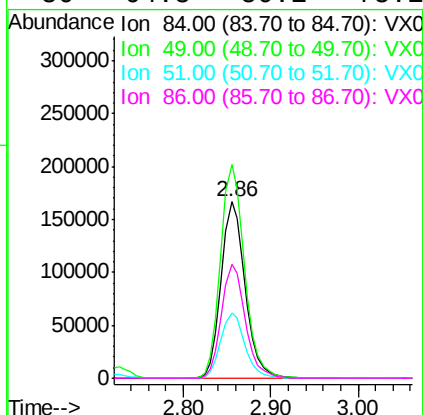
MSVOA_X

ClientSampleId :

VSTDIC100

Manual Integrations
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MMDadoda
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#19

trans-1,2-Dichloroethene

Concen: 93.46 ug/l

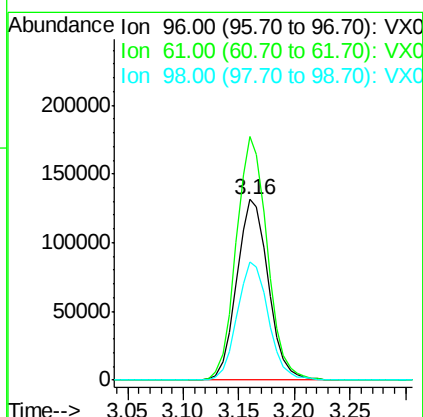
RT: 3.16 min Scan# 422

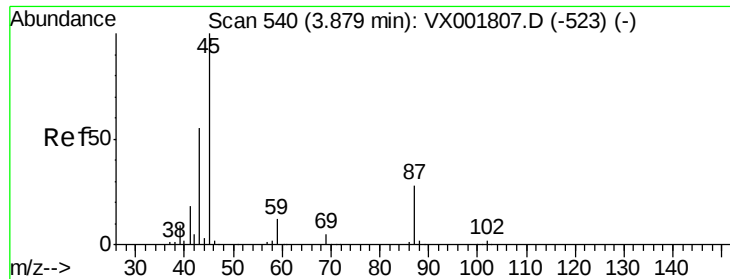
Delta R.T. -0.01 min

Lab File: VX001809.D

Acq: 18 May 2018 05:34

Tgt Ion:	96	Resp:	258361
Ion	Ratio	Lower	Upper
96	100		
61	134.6	102.9	154.3
98	65.2	49.7	74.5





#20

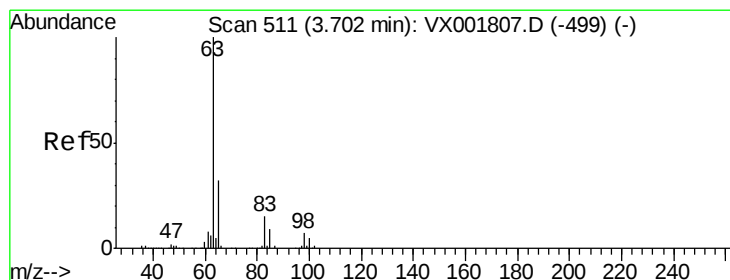
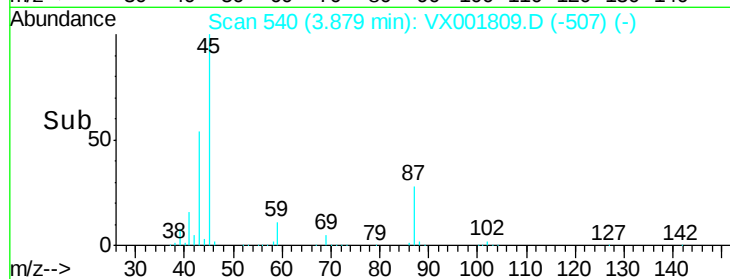
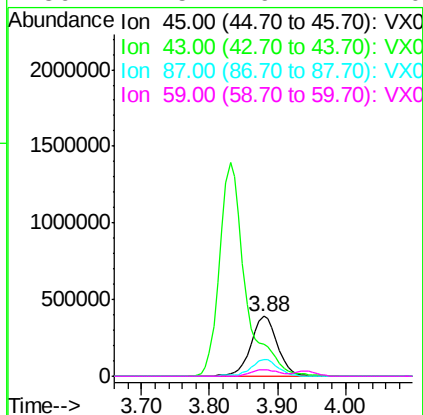
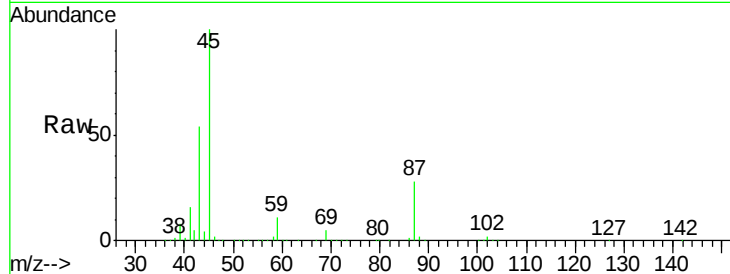
Diisopropyl ether
Concen: 111.75 ug/l
RT: 3.88 min Scan# 540
Delta R.T. 0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
45	100		
43	53.9	44.2	66.2
87	28.5	22.4	33.6
59	11.5	9.4	14.0

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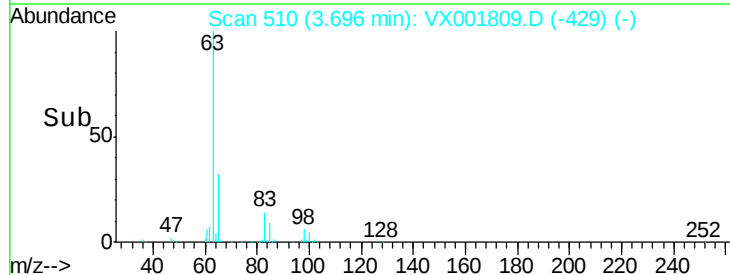
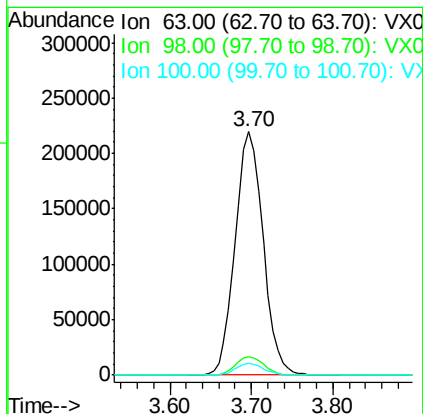
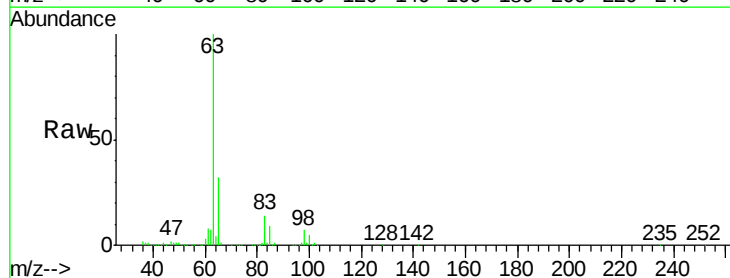
MMDadoda
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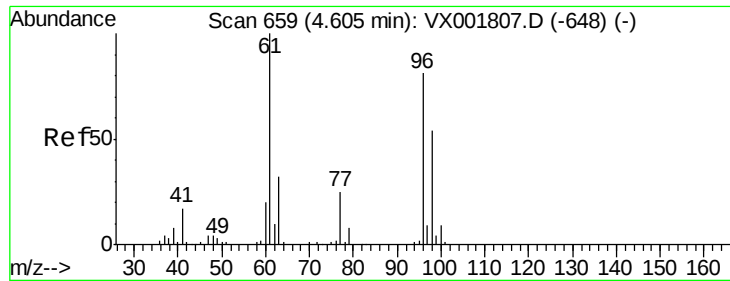


#21

1,1-Dichloroethane
Concen: 98.73 ug/l
RT: 3.70 min Scan# 510
Delta R.T. -0.01 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.7	11.1
100	4.7	2.5	7.6





#22

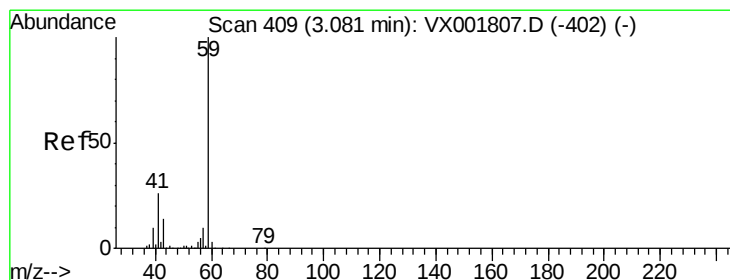
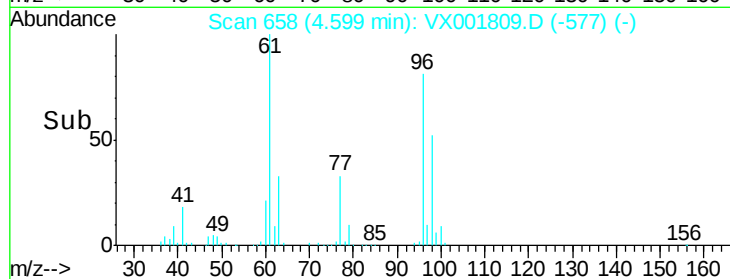
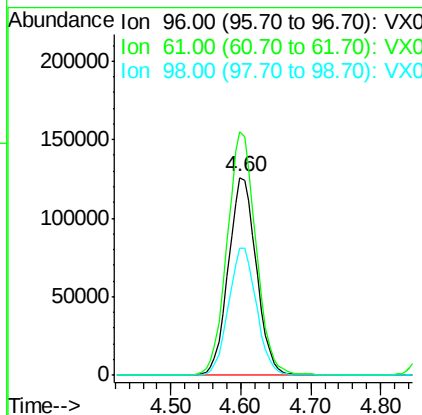
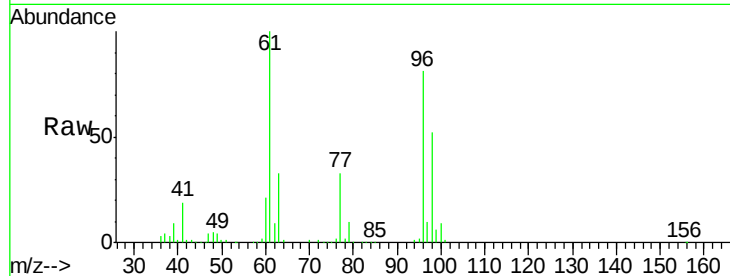
cis-1,2-Dichloroethene
 Concen: 109.01 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX001809.D
 Acq: 18 May 2018 05:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.0	105.9	158.9
98	64.0	51.5	77.3

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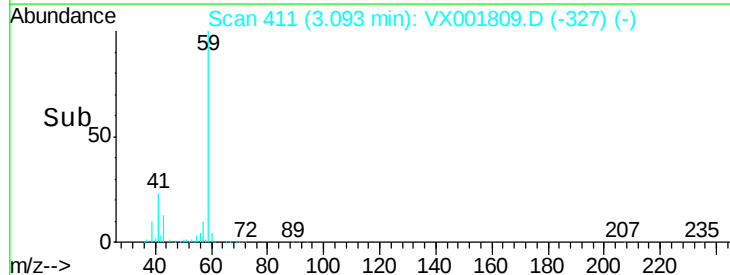
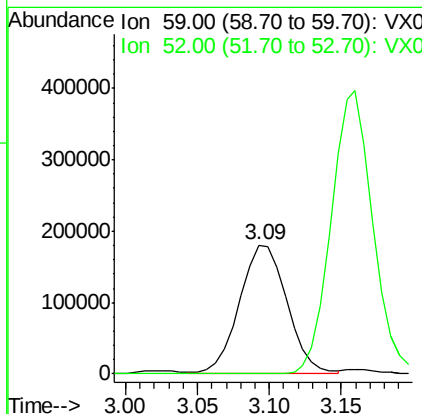
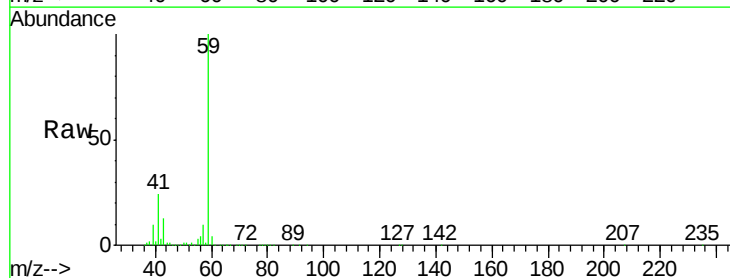
MMDadoda
 5/21/2018 2:40:34 PM

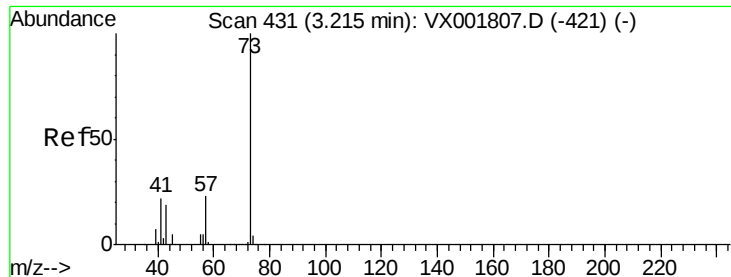


#23

tert-Butyl Alcohol
 Concen: 521.67 ug/l
 RT: 3.09 min Scan# 411
 Delta R.T. 0.01 min
 Lab File: VX001809.D
 Acq: 18 May 2018 05:34

Tgt Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.1	0.1#





#24

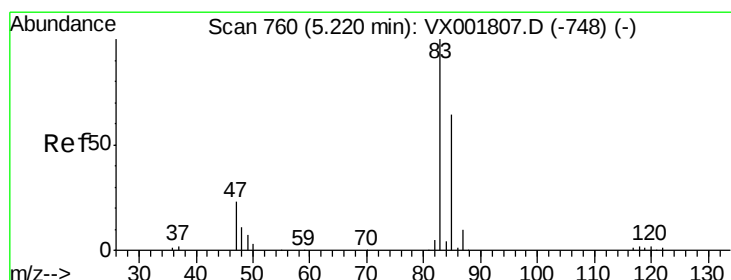
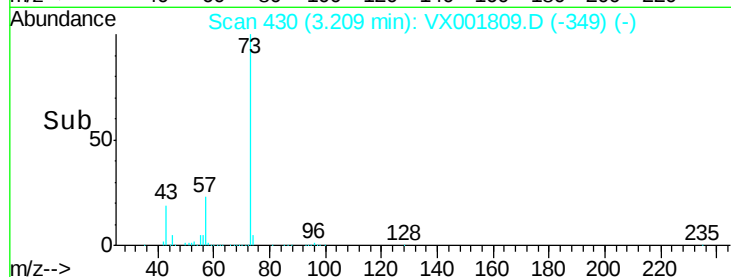
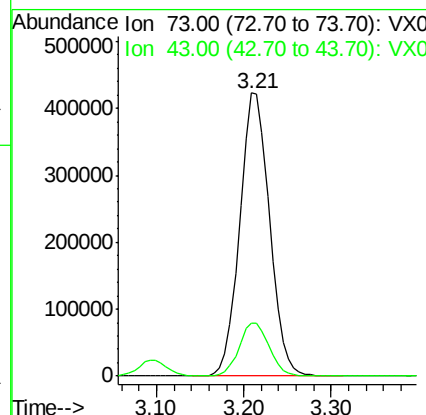
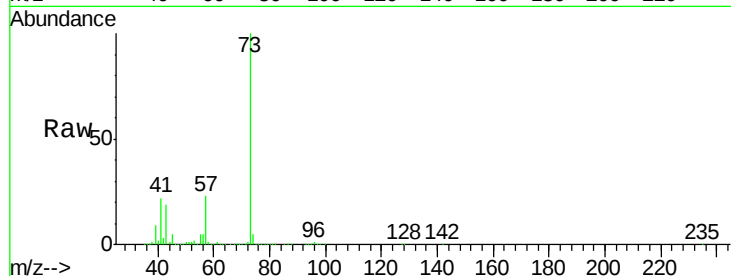
Methyl tert-Butyl Ether
 Concen: 105.43 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VX001809.D
 Acq: 18 May 2018 05:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 73 Resp: 1003961
 Ion Ratio Lower Upper
 73 100
 43 18.9 15.2 22.8

Manual Integrations
 APPROVED

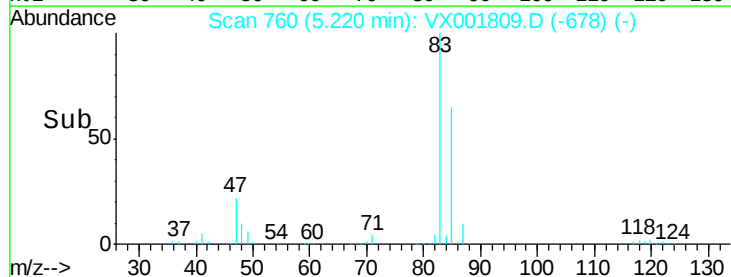
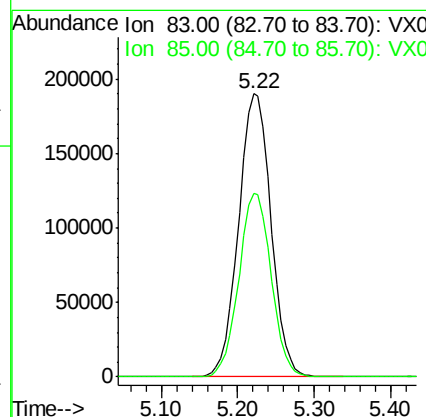
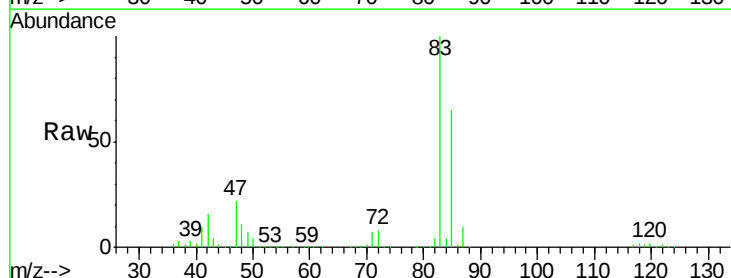
MMDadoda
 5/21/2018 2:40:34 PM

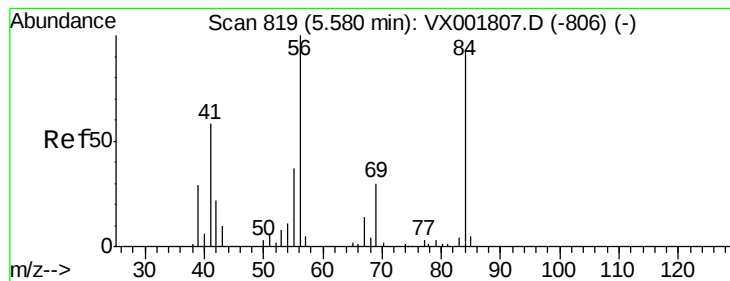


#25

Chloroform
 Concen: 101.30 ug/l
 RT: 5.22 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VX001809.D
 Acq: 18 May 2018 05:34

Tgt Ion: 83 Resp: 557564
 Ion Ratio Lower Upper
 83 100
 85 65.0 51.6 77.4





#26

Cyclohexane

Concen: 84.09 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001809.D

Acq: 18 May 2018 05:34

Instrument :

MSVOA_X

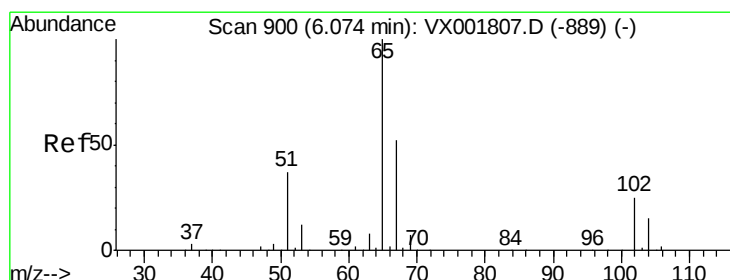
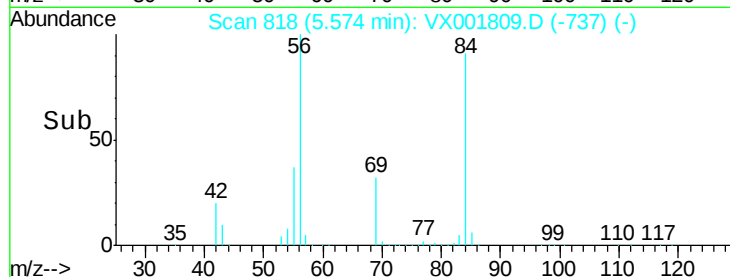
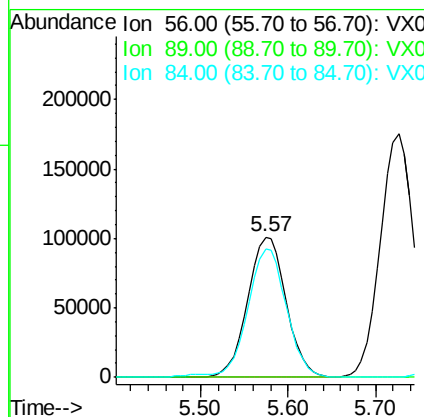
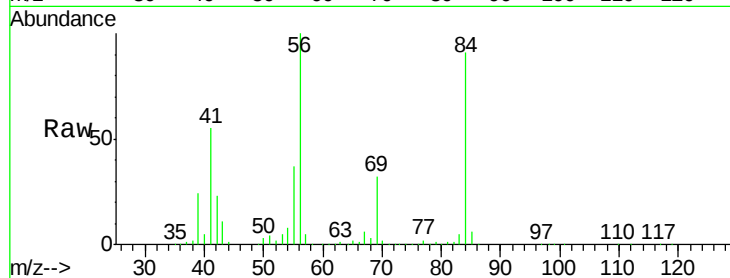
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	309254
Ion Ratio	Lower	Upper	
56	100		
89	0.0	0.0	0.0
84	91.4	73.8	110.8

Manual Integrations
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MMDadoda
5/21/2018 2:40:34 PM



#27

1,2-Dichloroethane-d4

Concen: 27.79 ug/l

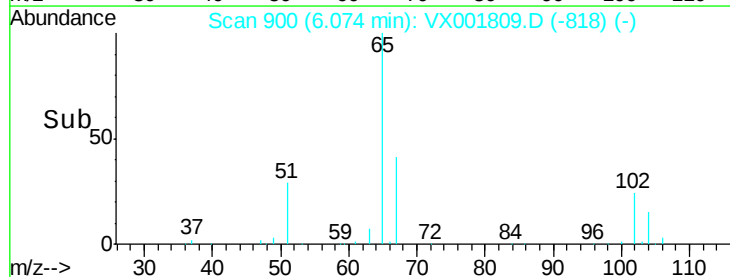
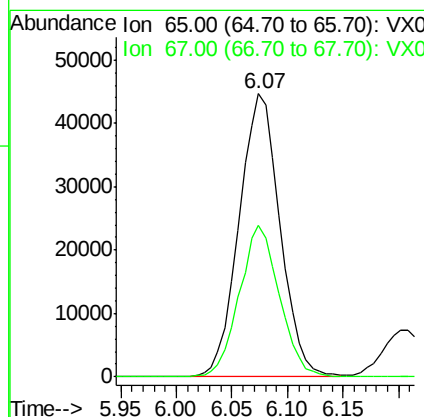
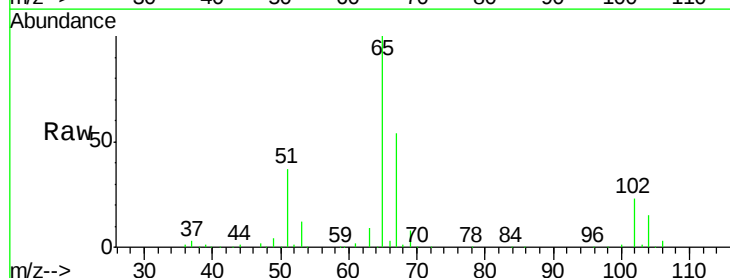
RT: 6.07 min Scan# 900

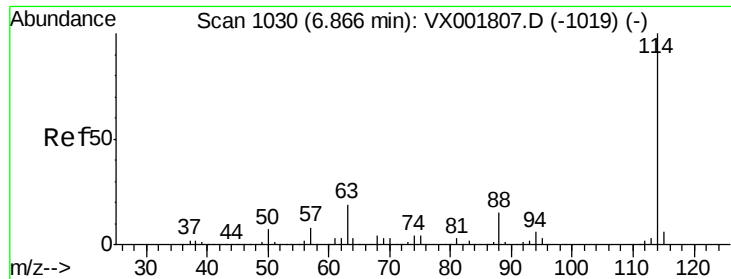
Delta R.T. 0.00 min

Lab File: VX001809.D

Acq: 18 May 2018 05:34

Tgt Ion:	65	Resp:	114059
Ion Ratio	Lower	Upper	
65	100		
67	52.6	42.1	63.1





#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001809.D

Acq: 18 May 2018 05:34

Instrument :

MSVOA_X

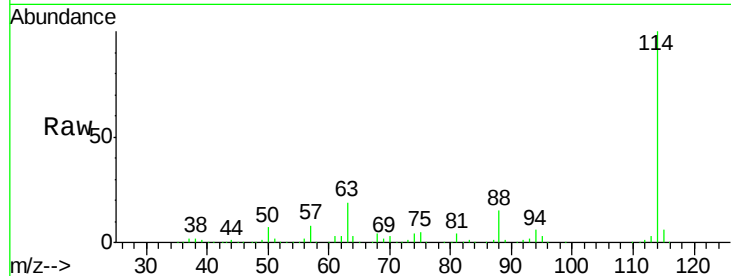
ClientSampleId :

VSTDIC100

Tot Ion:	114	Resp:	273081
Ion Ratio	Lower	Upper	
114	100		
63	18.2	14.9	22.3
88	14.8	11.8	17.8

Manual Integrations
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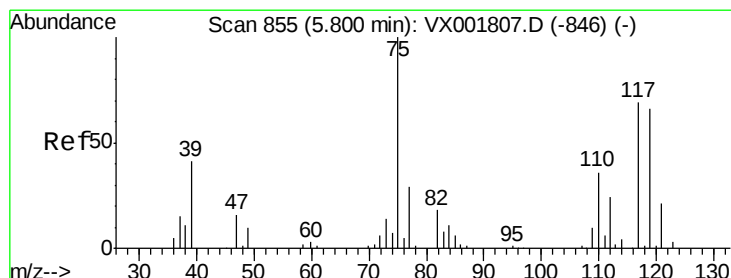
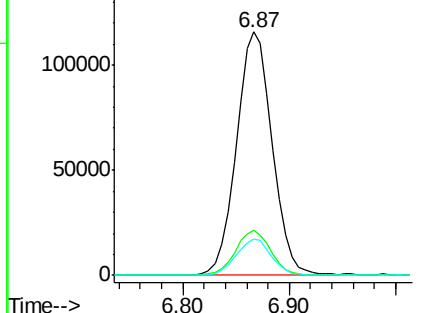
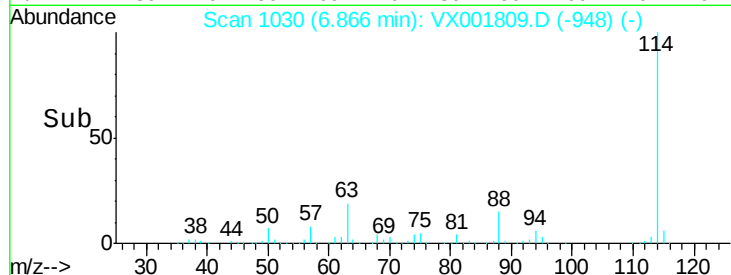
MMDadoda
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Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0



#29

1,1-Dichloropropene

Concen: 96.29 ug/l

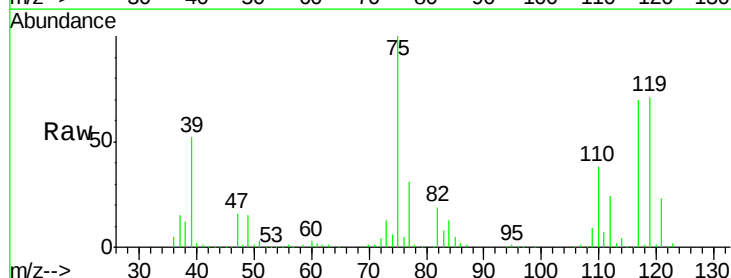
RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX001809.D

Acq: 18 May 2018 05:34

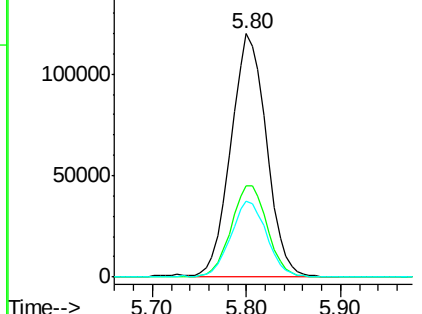
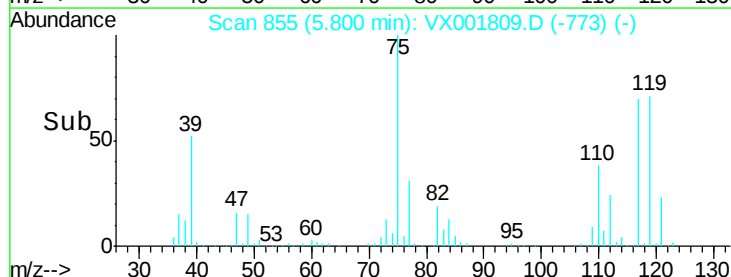
Tgt Ion:	75	Resp:	317590
Ion Ratio	Lower	Upper	
75	100		
110	38.1	0.0	75.2
77	31.1	0.0	61.6

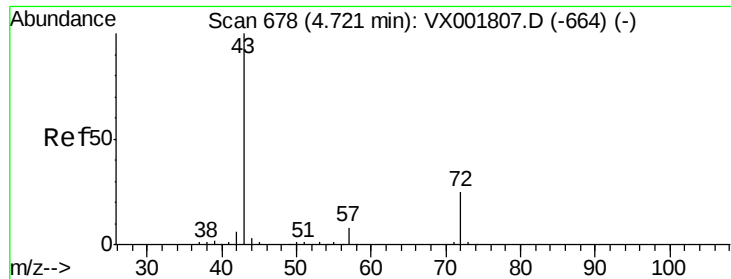


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VX0





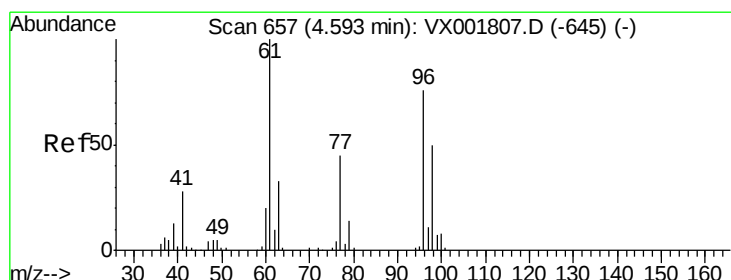
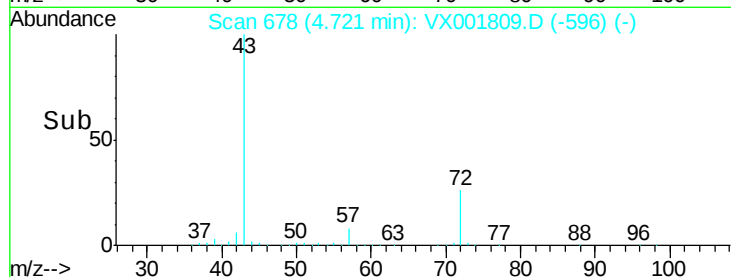
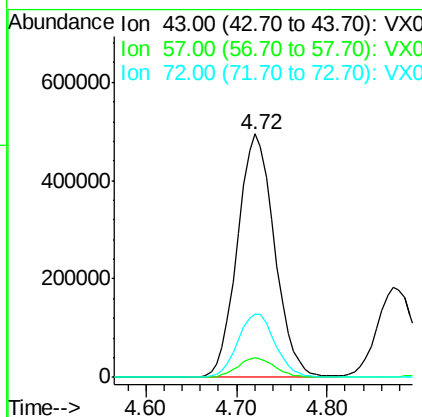
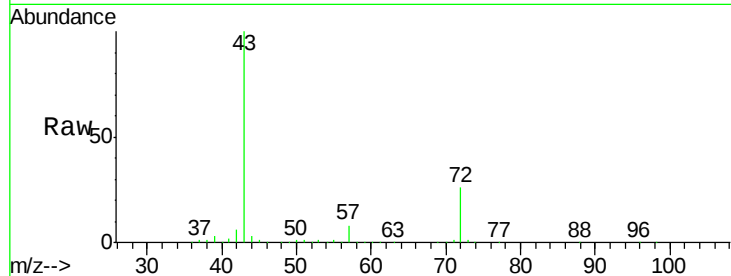
#30
2-Butanone
Concen: 601.19 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1404081
Ion Ratio Lower Upper
43 100
57 8.0 6.4 9.6
72 26.4 20.6 30.8

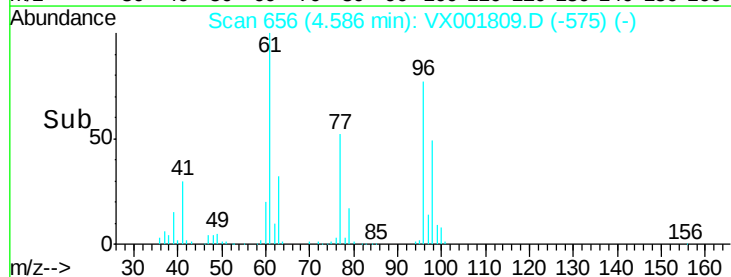
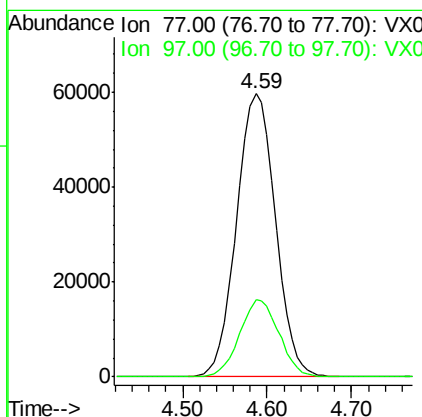
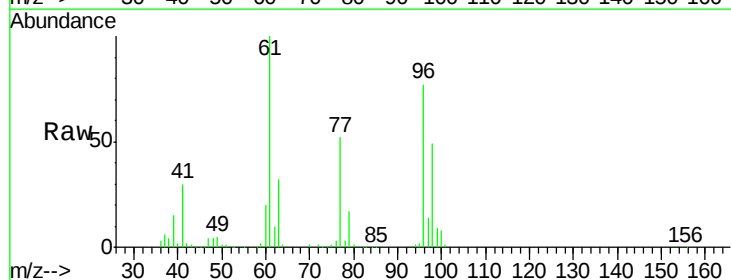
Manual Integrations
APPROVED

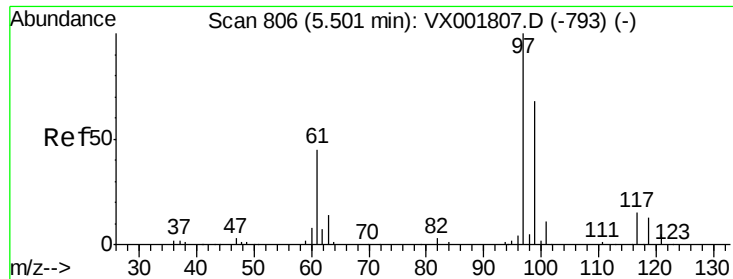
MMDadoda
5/21/2018 2:40:34 PM



#31
2,2-Dichloropropane
Concen: 69.74 ug/l
RT: 4.59 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Tgt Ion: 77 Resp: 187548
Ion Ratio Lower Upper
77 100
97 27.6 22.3 33.5





#32

1,1,1-Trichloroethane

Concen: 95.73 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX001809.D

Acq: 18 May 2018 05:34

Instrument :

MSVOA_X

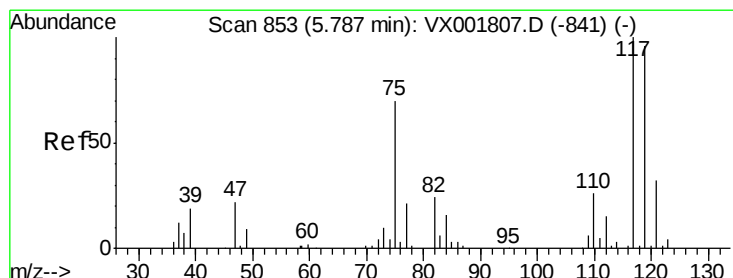
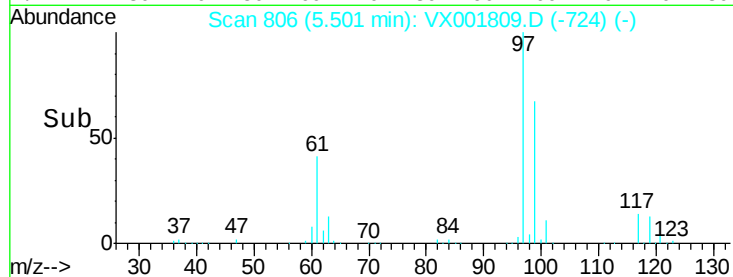
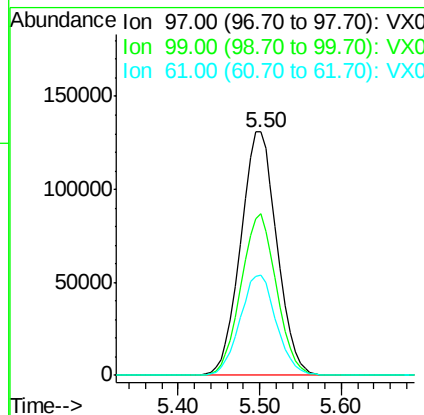
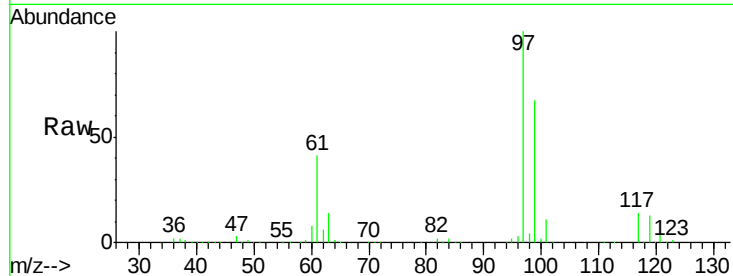
ClientSampled :

VSTDIC100

Tot Ion:	97	Resp:	403966
Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.4	78.6
61	41.2	34.6	51.8

Manual Integrations
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#33

Carbon Tetrachloride

Concen: 90.28 ug/l

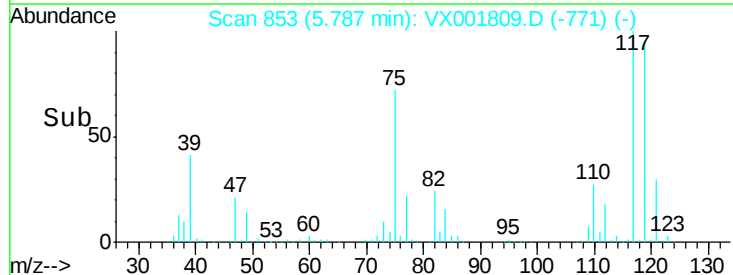
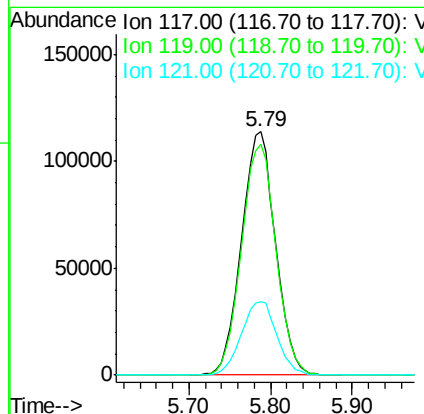
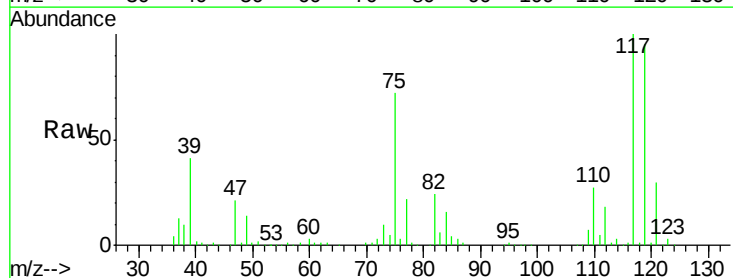
RT: 5.79 min Scan# 853

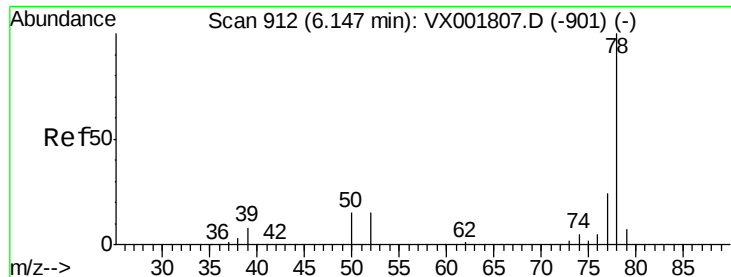
Delta R.T. 0.00 min

Lab File: VX001809.D

Acq: 18 May 2018 05:34

Tgt Ion:	117	Resp:	330438
Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.4	114.6
121	30.3	25.3	37.9





#34

Benzene

Concen: 110.38 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.00 min

Lab File: VX001809.D

Acq: 18 May 2018 05:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 78 Resp: 1220543

Ion Ratio Lower Upper

78 100

77 23.6 19.4 29.0

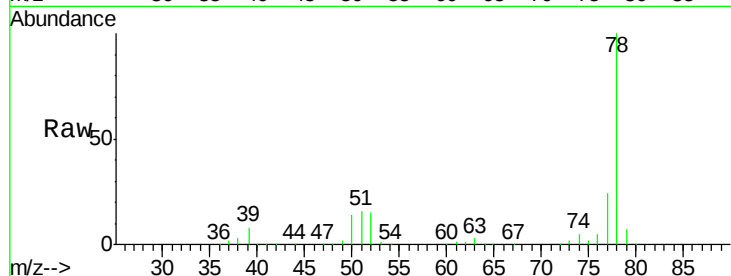
51 15.2 13.2 19.8

Manual Integrations

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Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

6.15

500000

400000

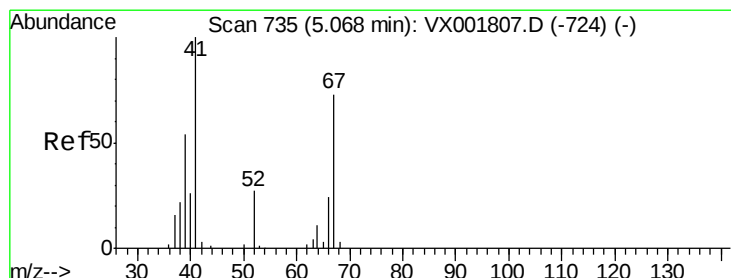
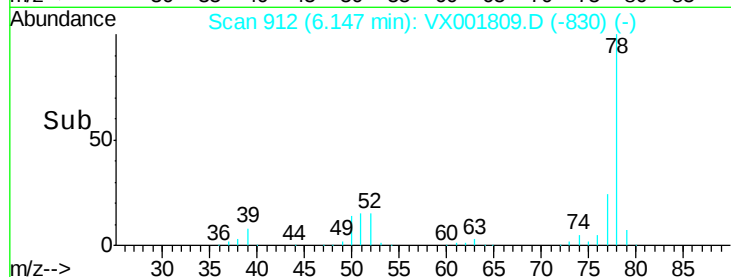
300000

200000

100000

0

Time-->



#35

Methacrylonitrile

Concen: 119.79 ug/l

RT: 5.07 min Scan# 736

Delta R.T. 0.01 min

Lab File: VX001809.D

Acq: 18 May 2018 05:34

Tgt Ion: 41 Resp: 302064

Ion Ratio Lower Upper

41 100

39 51.4 26.9 80.6

67 69.4 36.8 110.3

52 26.6 13.7 41.1

Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

250000

200000

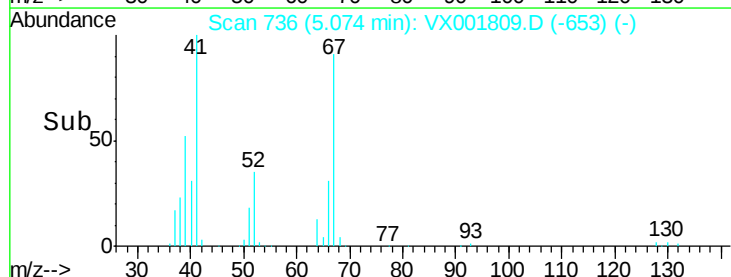
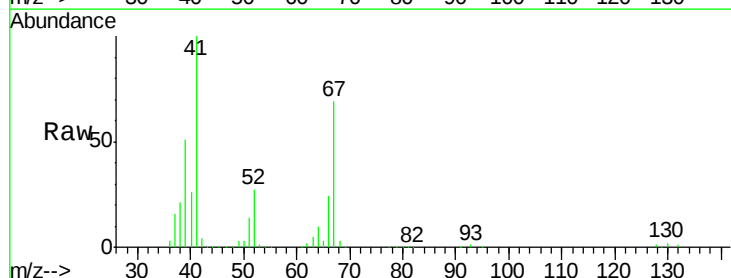
150000

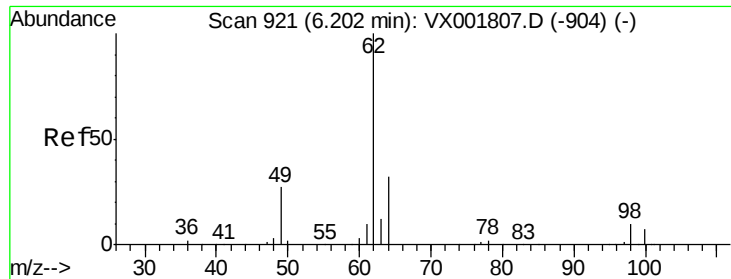
100000

50000

0

Time-->





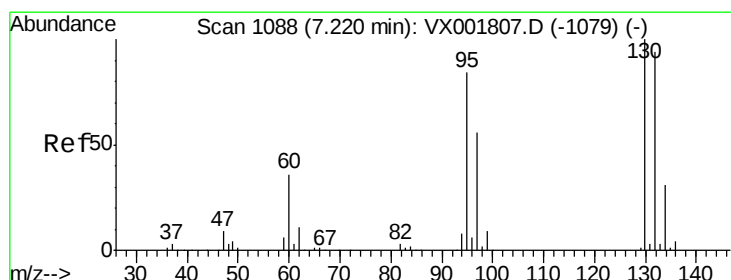
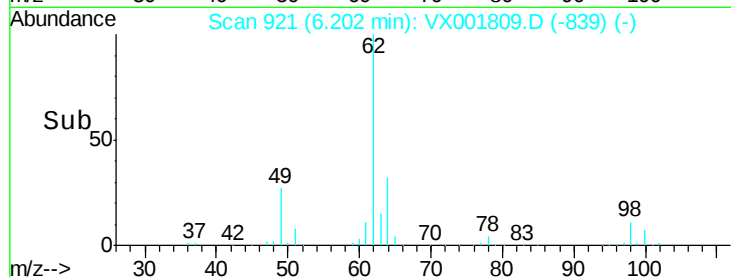
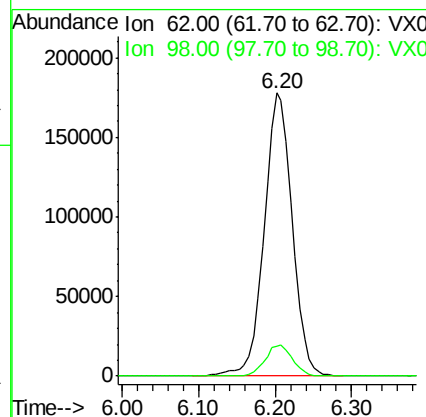
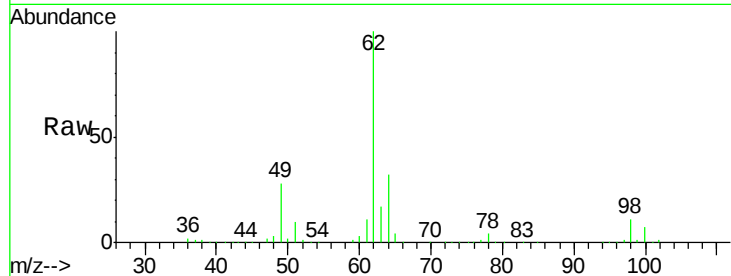
#36
1,2-Dichloroethane
Concen: 103.95 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
62	100		
98	10.8	8.6	12.8

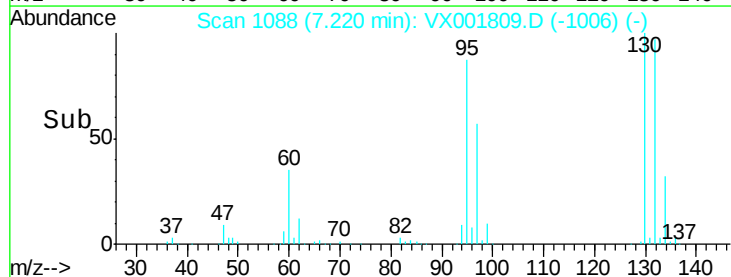
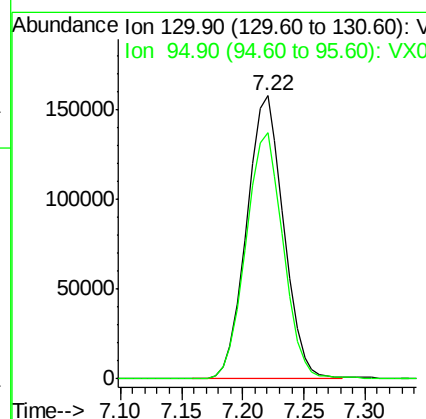
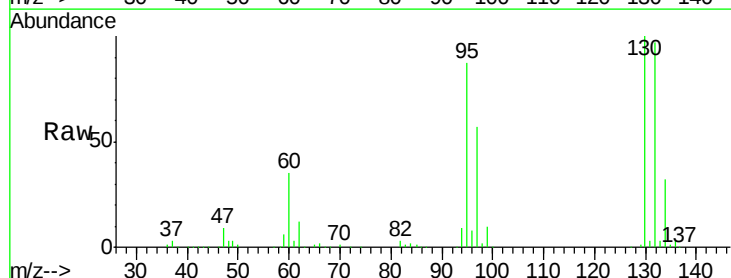
Manual Integrations
APPROVED

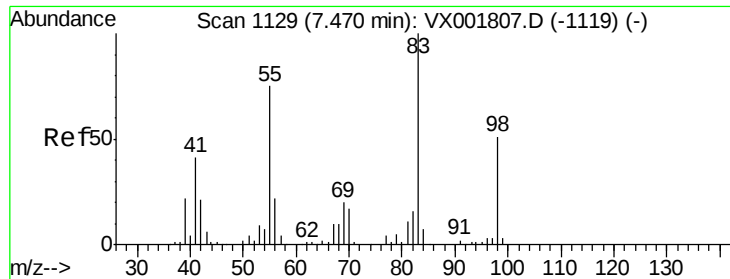
MMDadoda
5/21/2018 2:40:34 PM



#37
Trichloroethene
Concen: 104.27 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.9	67.1	100.7





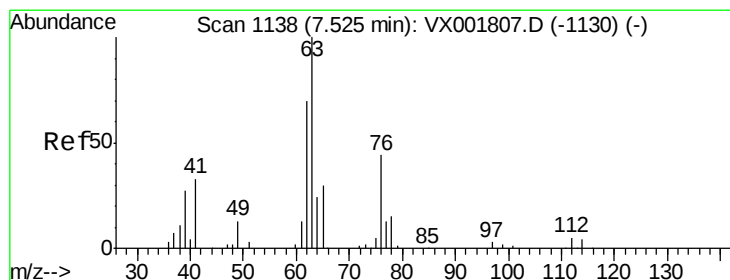
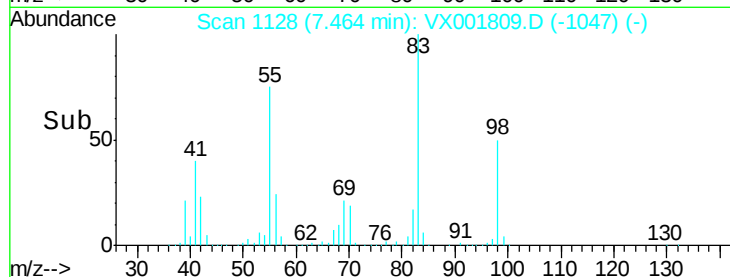
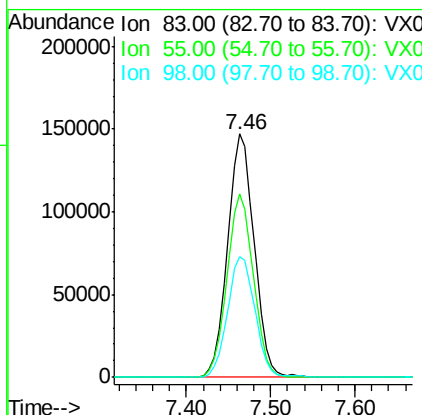
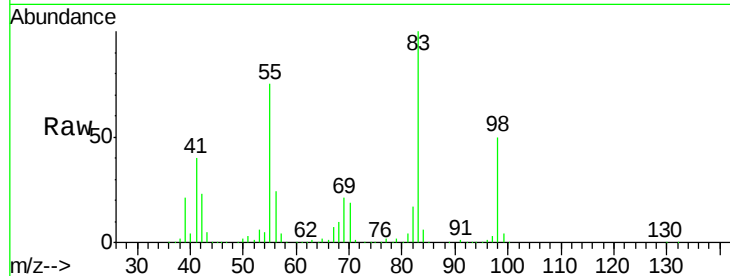
#38
Methvlcvclohexane
Concen: 91.58 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.7	40.0	119.9
98	50.8	25.8	77.4

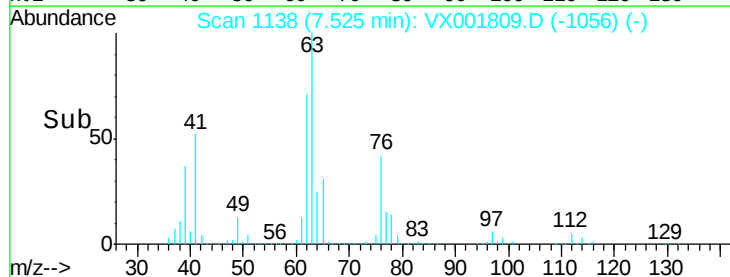
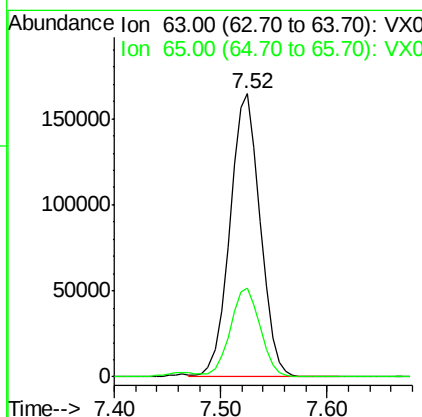
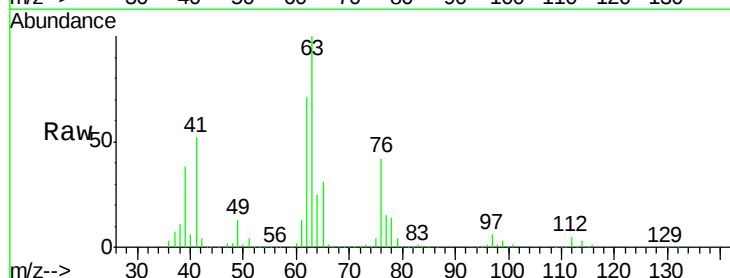
Manual Integrations
APPROVED

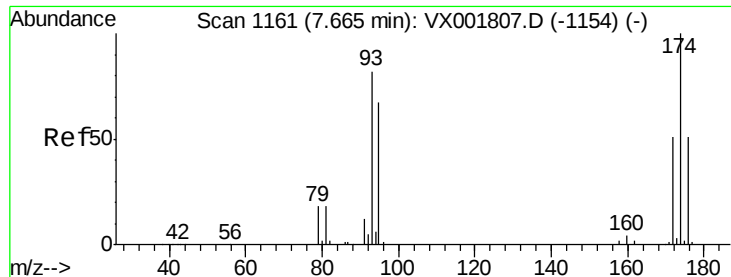
MMDadoda
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#39
1,2-Dichloropropane
Concen: 116.82 ug/l
RT: 7.52 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.0	37.4





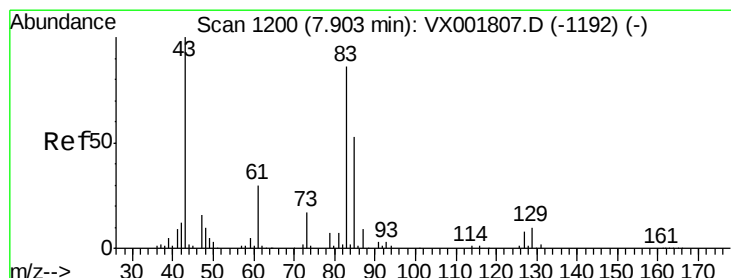
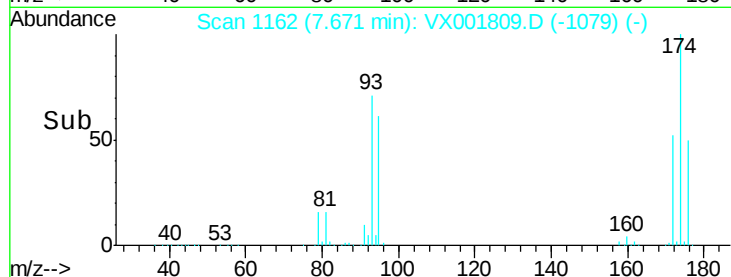
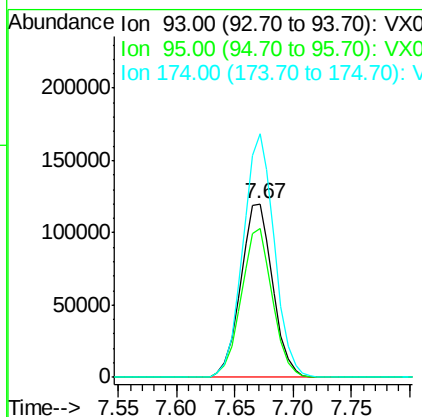
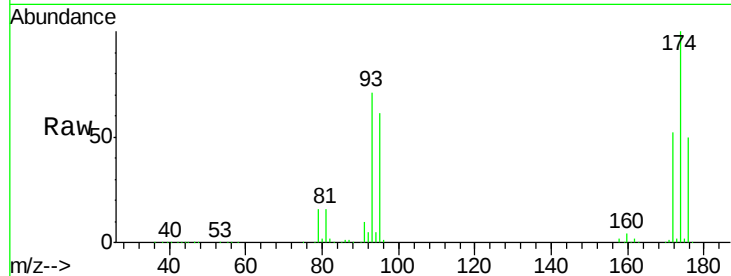
#40
Dibromomethane
Concen: 114.17 ug/l
RT: 7.67 min Scan# 1162
Delta R.T. 0.01 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
93	100	229921		
95	84.0	0.0	167.4	
174	137.1	0.0	269.6	

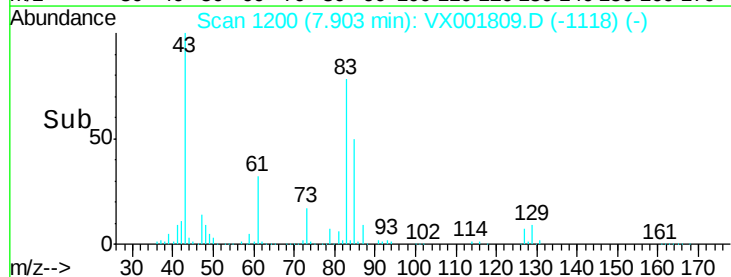
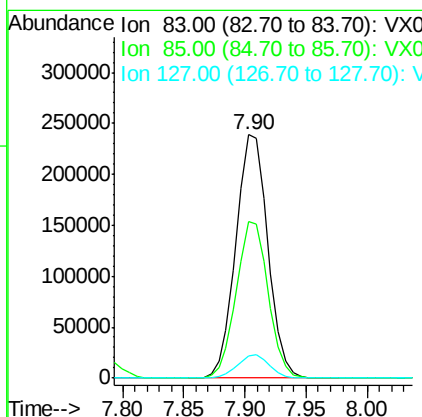
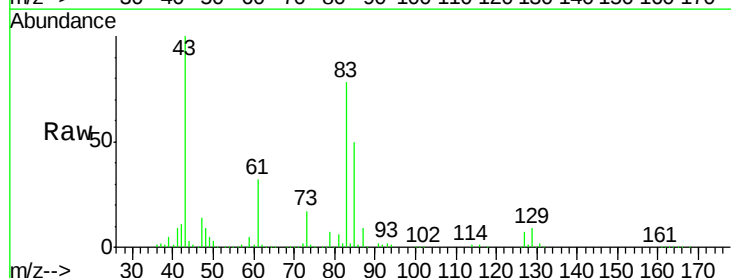
Manual Integrations
APPROVED

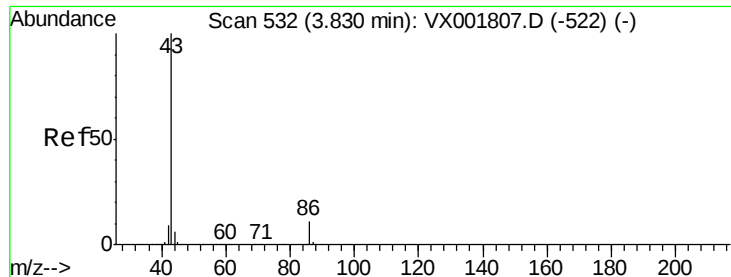
MMDadoda
5/21/2018 2:40:34 PM



#41
Bromodichloromethane
Concen: 115.68 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	433371		
85	64.3	49.6	74.4	
127	9.2	7.0	10.6	





#42

Vinyl Acetate

Concen: 503.44 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001809.D

Acq: 18 May 2018 05:34

Tot Ion: 43 Resp: 3685082

Ion Ratio Lower Upper

43 100

86 9.6 7.5 11.3

Instrument :

MSVOA_X

ClientSampleId :

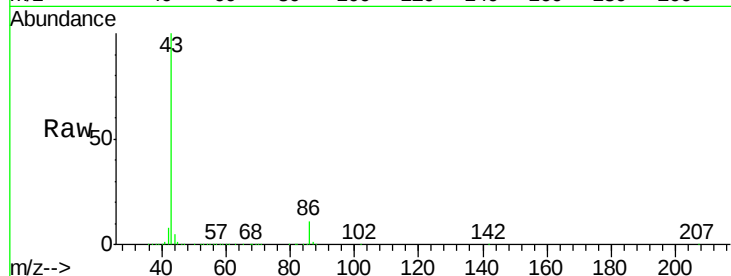
VSTDIC100

Manual Integrations

APPROVED

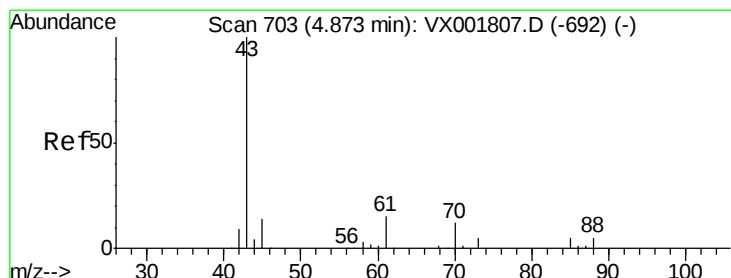
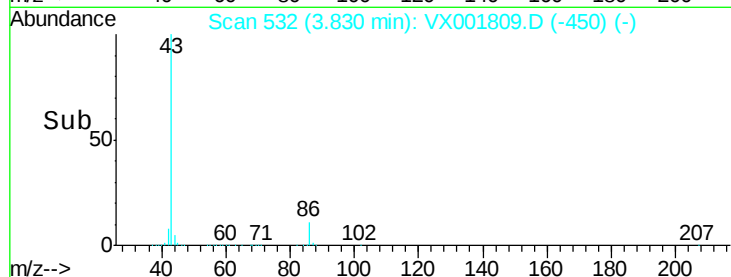
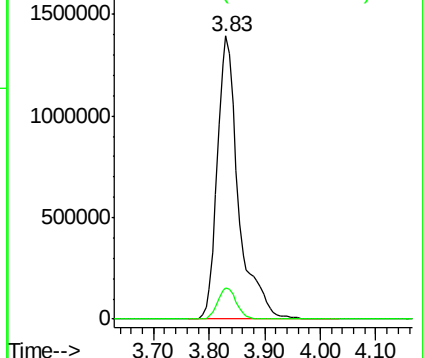
MMDadoda

5/21/2018 2:40:34 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#43

Ethyl Acetate

Concen: 119.07 ug/l

RT: 4.87 min Scan# 703

Delta R.T. 0.00 min

Lab File: VX001809.D

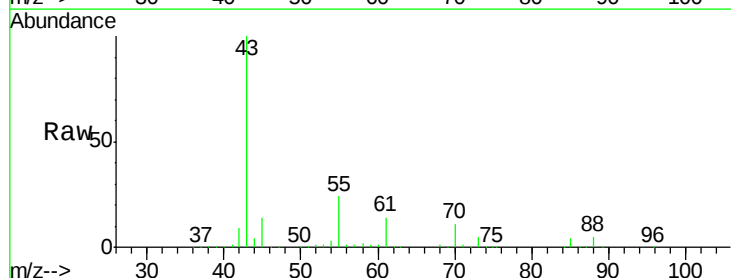
Acq: 18 May 2018 05:34

Tgt Ion: 43 Resp: 529552

Ion Ratio Lower Upper

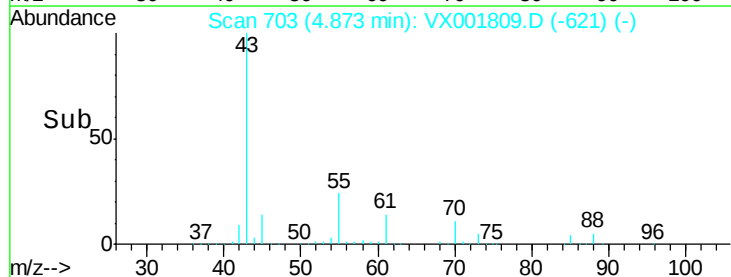
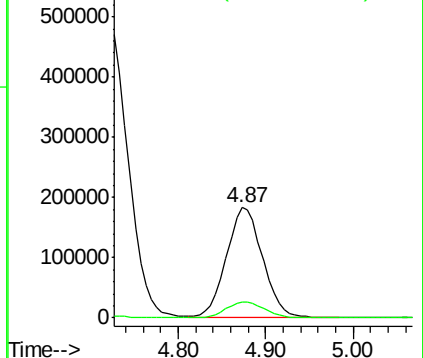
43 100

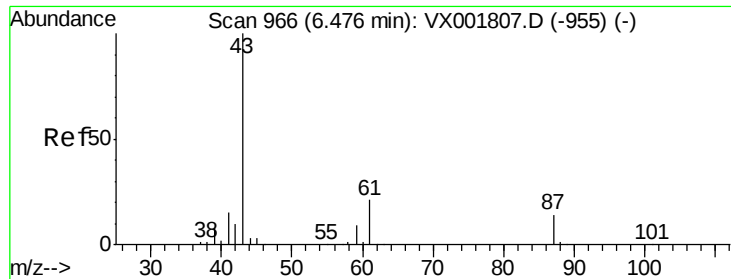
45 14.9 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#44

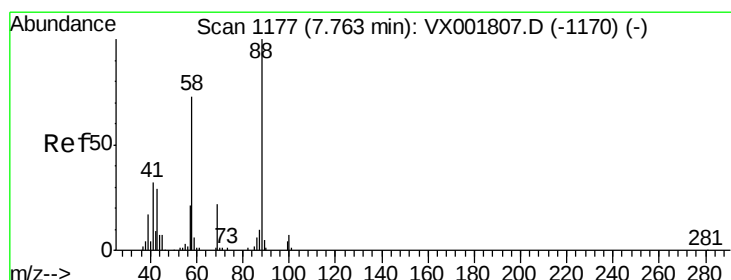
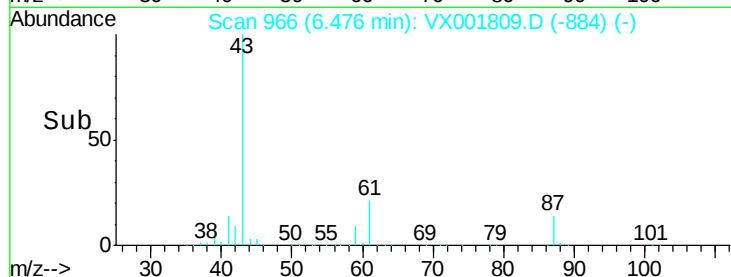
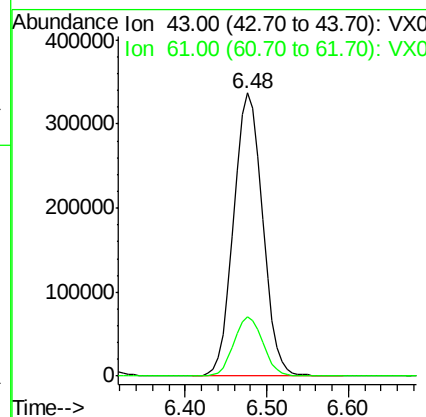
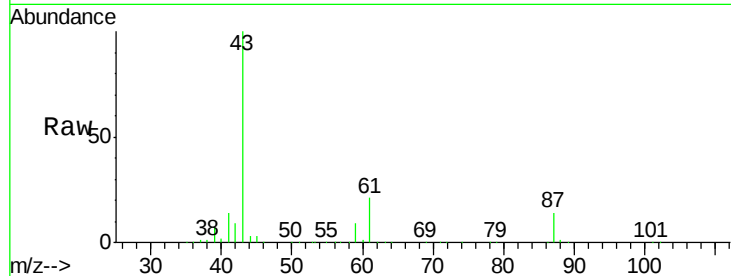
Isopropyl Acetate
 Concen: 121.78 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX001809.D
 Acq: 18 May 2018 05:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
43	43	100		
61	61	20.9	16.6	24.8

Manual Integrations
 APPROVED

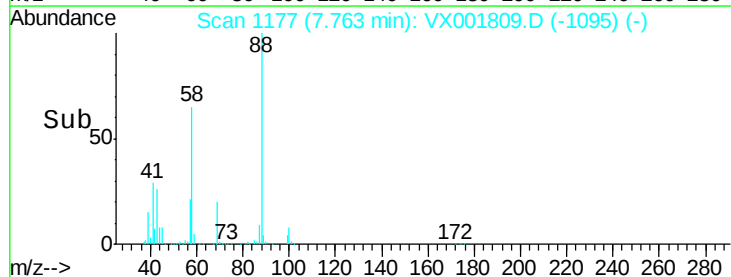
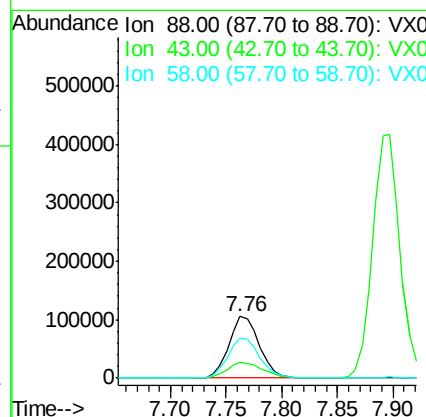
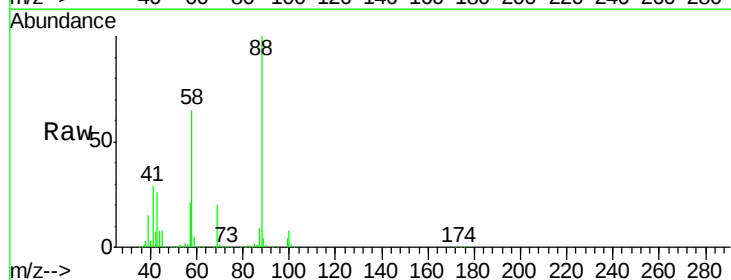
MMDadoda
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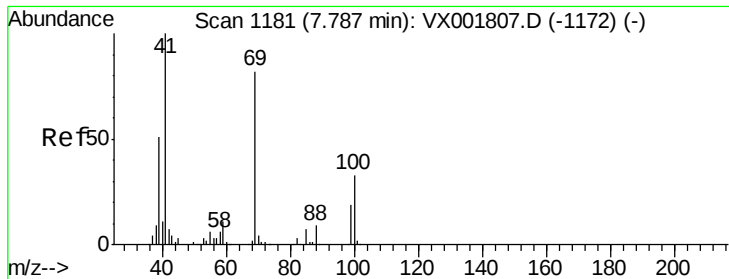


#45

1,4-Dioxane
 Concen: 2506.29 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VX001809.D
 Acq: 18 May 2018 05:34

Tgt Ion	Ion	Ratio	Lower	Upper
88	88	100		
43	43	29.2	25.0	37.6
58	58	67.4	56.9	85.3





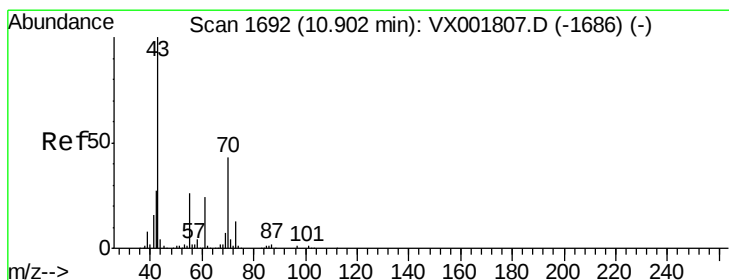
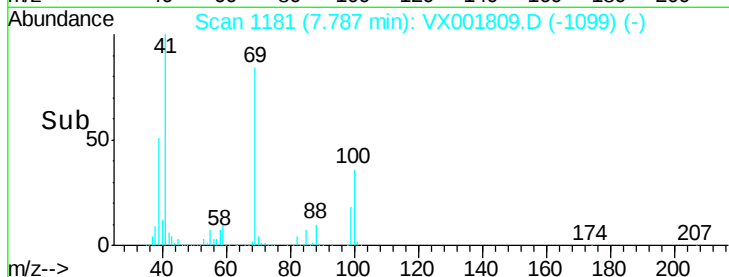
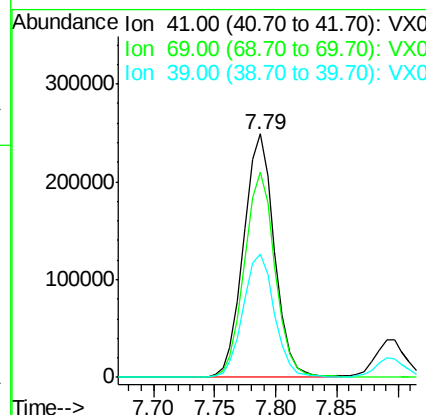
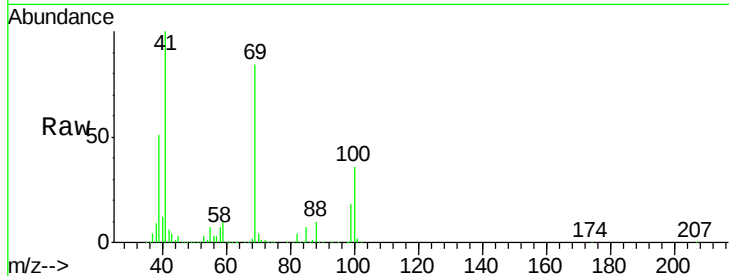
#46
Methyl methacrylate
Concen: 119.86 ug/l
RT: 7.79 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
69	84.2	40.9	122.7
39	50.8	25.3	75.9

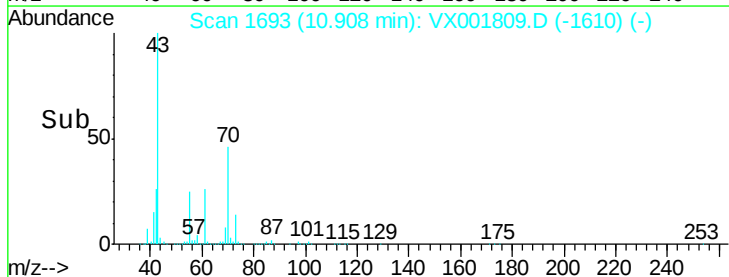
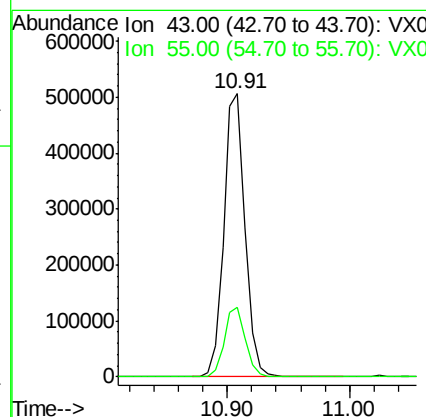
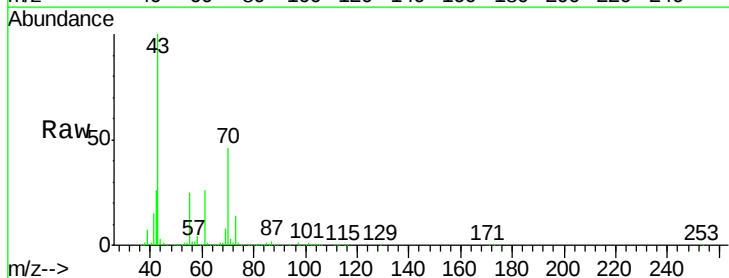
Manual Integrations
APPROVED

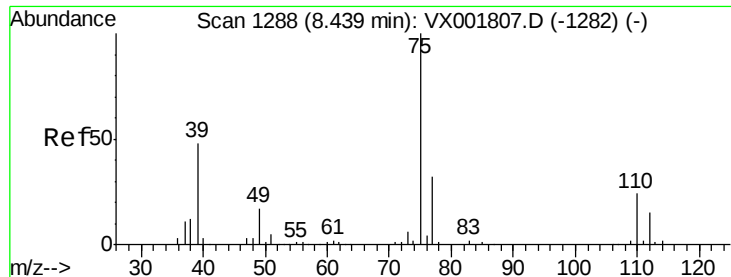
MMDadoda
5/21/2018 2:40:34 PM



#47
n-ethyl acetate
Concen: 109.53 ug/l
RT: 10.91 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Tgt Ion	Ratio	Lower	Upper
43	100		
55	24.7	21.0	31.4





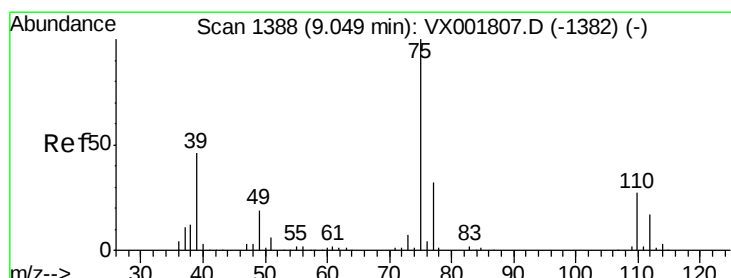
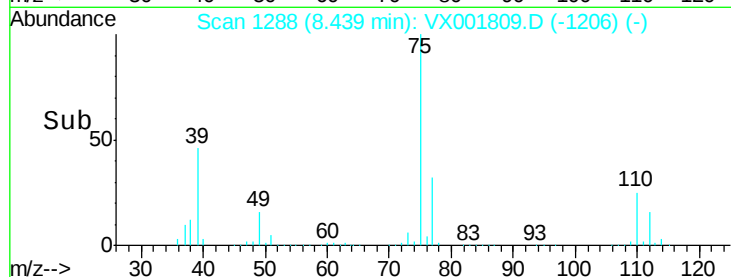
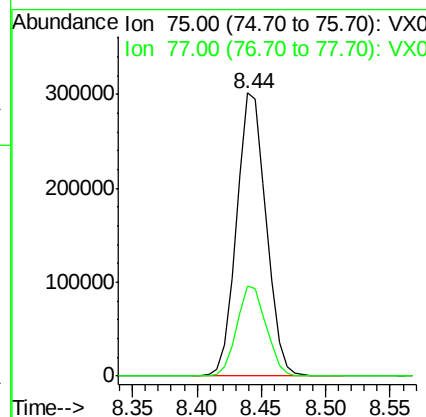
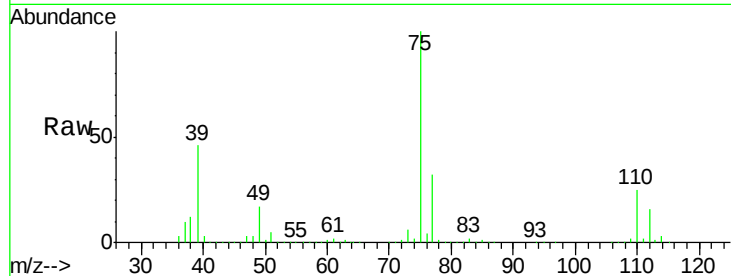
#48
t-1,3-Dichloropropene
Concen: 117.24 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.6	38.4

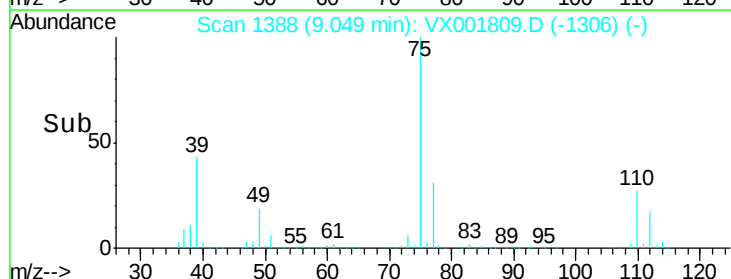
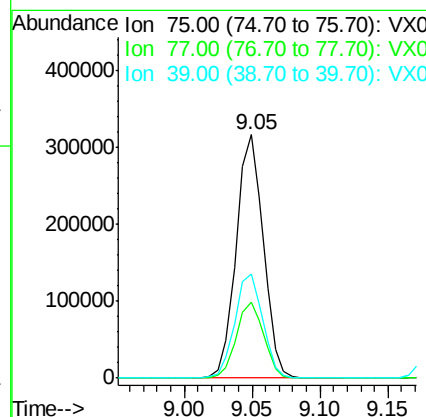
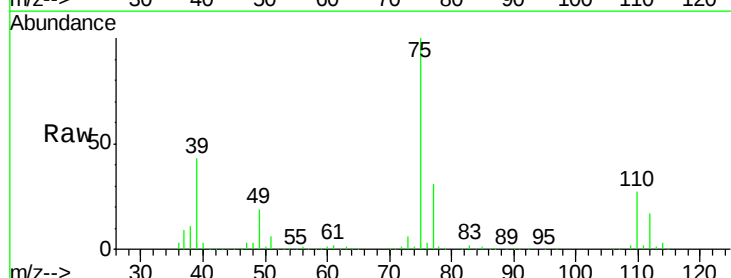
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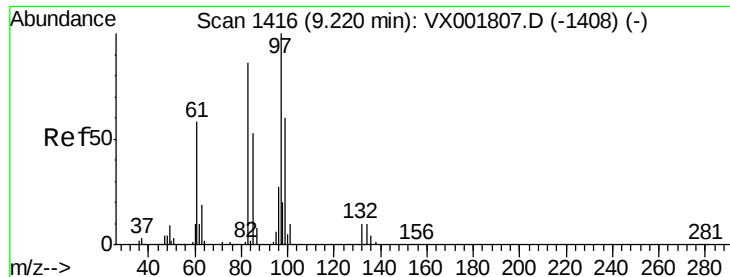
MMDadoda
5/21/2018 2:40:34 PM



#49
cis-1,3-Dichloropropene
Concen: 121.48 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.5	38.3
39	42.9	37.0	55.4





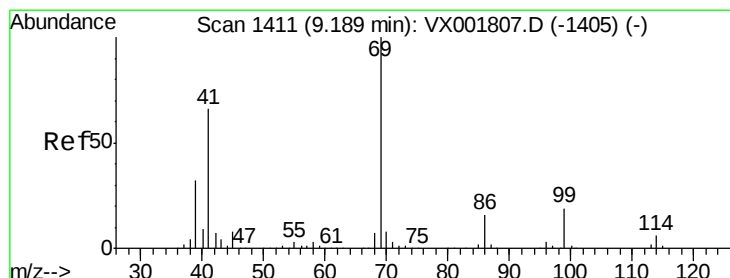
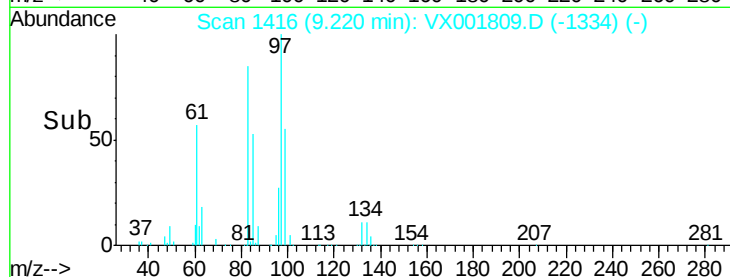
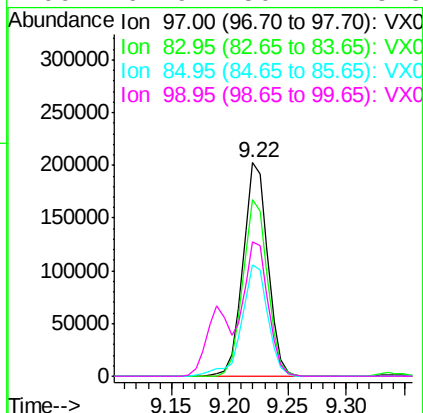
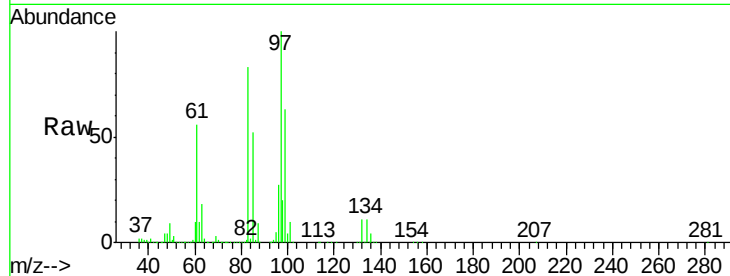
#50
 1,1,2-Trichloroethane
 Concen: 103.05 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001809.D
 Acq: 18 May 2018 05:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	301314
Ion	Ratio	Lower	Upper
97	100		
83	83.0	68.6	103.0
85	52.4	42.5	63.7
99	62.9	50.4	75.6

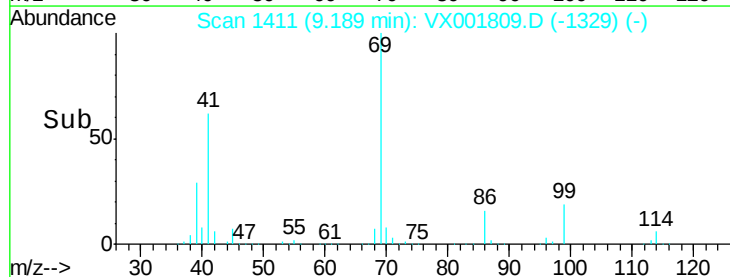
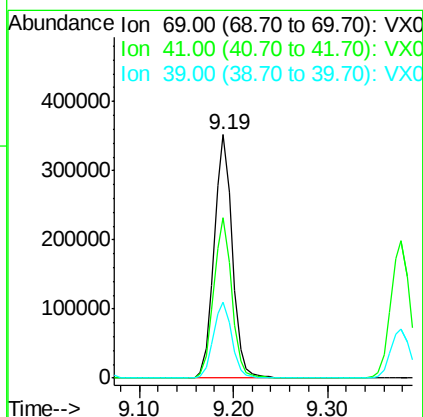
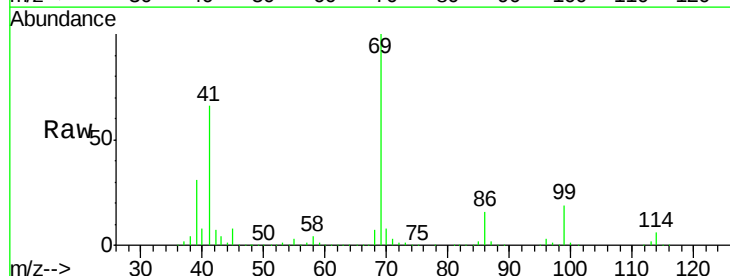
Manual Integrations
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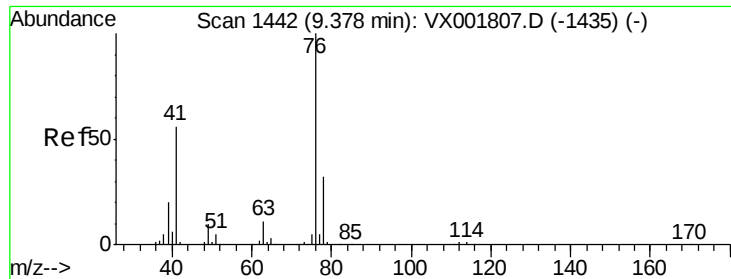
MMDadoda
 5/21/2018 2:40:34 PM



#51
 Ethyl methacrylate
 Concen: 111.74 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001809.D
 Acq: 18 May 2018 05:34

Tgt Ion:	69	Resp:	469792
Ion	Ratio	Lower	Upper
69	100		
41	65.7	32.9	98.7
39	31.3	16.1	48.2





#52

1,3-Dichloropropane

Concen: 103.08 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX001809.D

Acq: 18 May 2018 05:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 494174

Ion Ratio Lower Upper

76 100

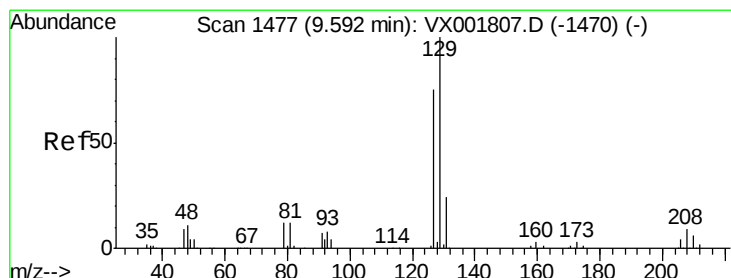
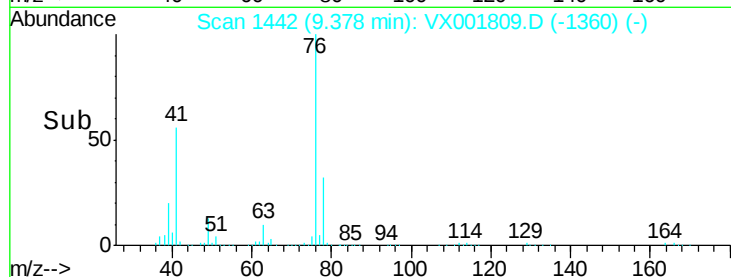
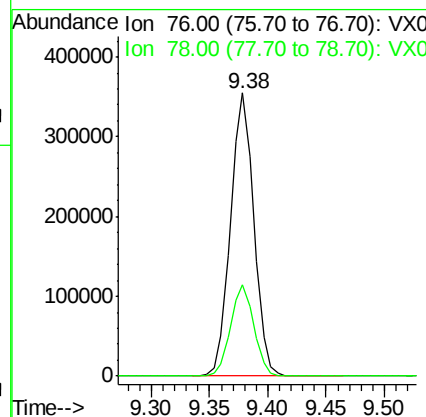
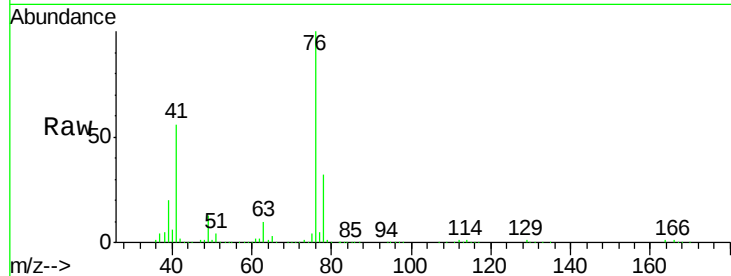
78 32.3 0.0 63.6

Manual Integrations

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5/21/2018 2:40:34 PM



#53

Dibromochloromethane

Concen: 110.38 ug/l

RT: 9.59 min Scan# 1477

Delta R.T. 0.00 min

Lab File: VX001809.D

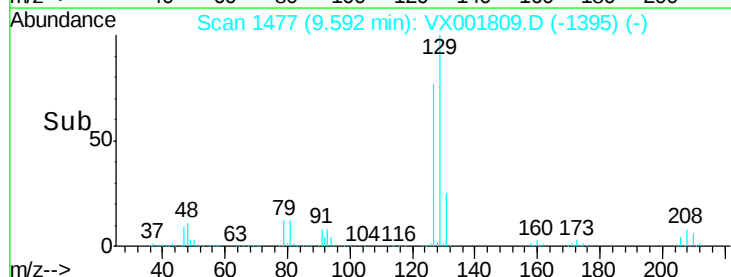
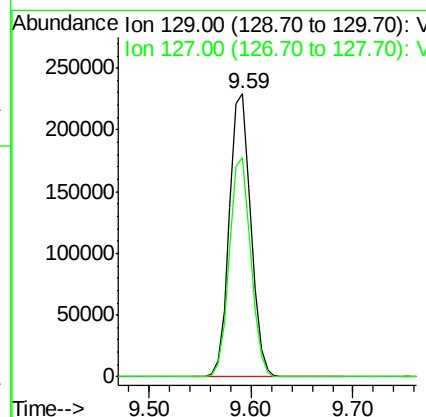
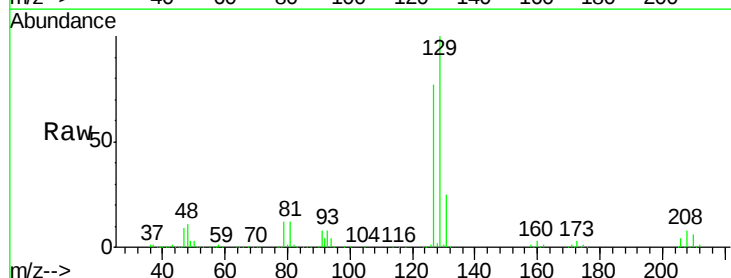
Acq: 18 May 2018 05:34

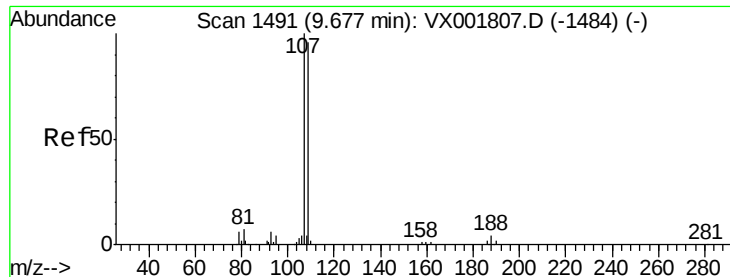
Tgt Ion: 129 Resp: 333079

Ion Ratio Lower Upper

129 100

127 77.1 38.7 116.1





#54

1,2-Dibromoethane

Concen: 104.77 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001809.D

Acq: 18 May 2018 05:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion:107 Resp: 320457

Ion Ratio Lower Upper

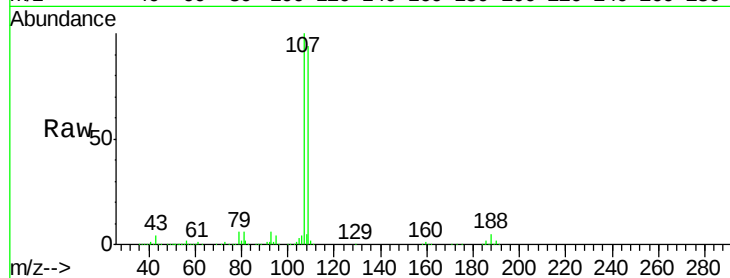
107 100

109 94.7 76.3 114.5

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

250000

200000

150000

100000

50000

0

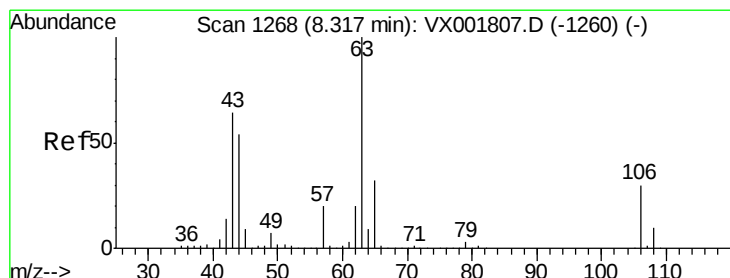
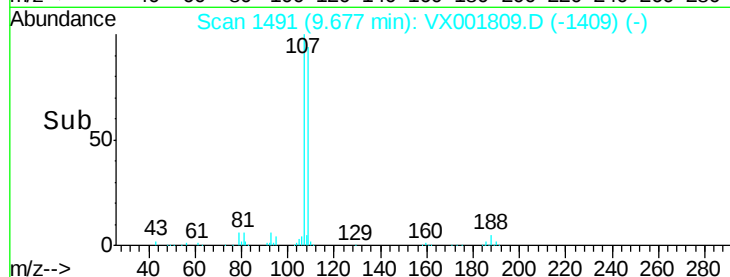
9.60

9.65

9.70

9.75

Time-->



#55

2-Chloroethyl vinyl ether

Concen: 598.21 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.01 min

Lab File: VX001809.D

Acq: 18 May 2018 05:34

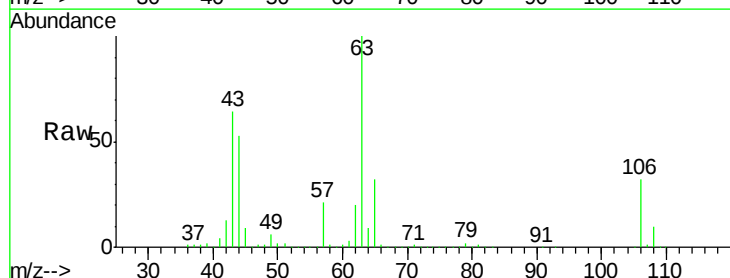
Tgt Ion: 63 Resp: 1367457

Ion Ratio Lower Upper

63 100

65 32.1 25.4 38.2

106 31.5 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0

Ion 106.00 (105.70 to 106.70): V

1200000

1000000

800000

600000

400000

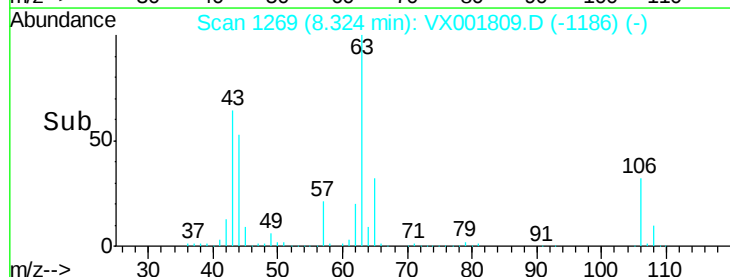
200000

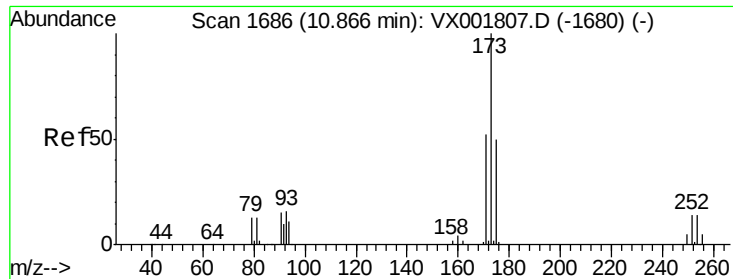
0

8.30

8.40

Time-->





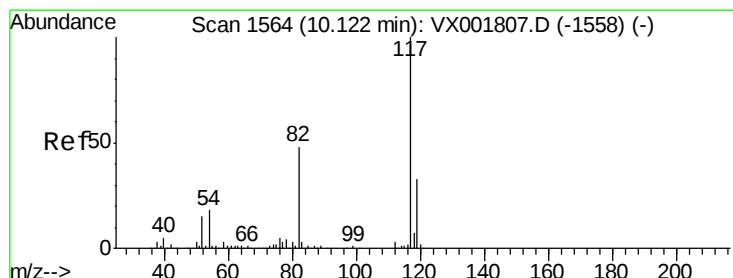
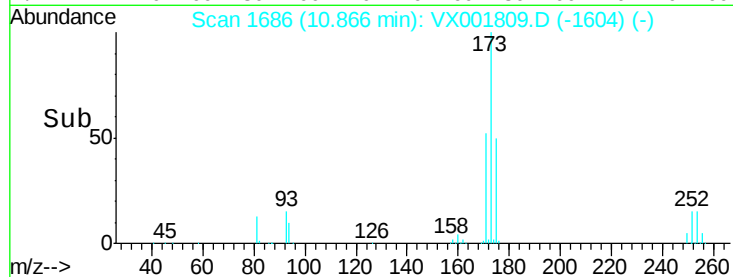
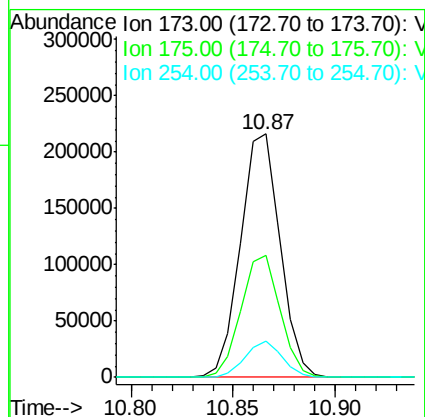
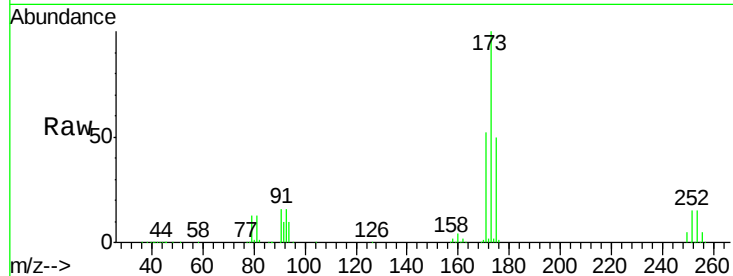
#56
Bromoform
Concen: 117.67 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	38.8	58.2
254	13.9	10.7	16.1

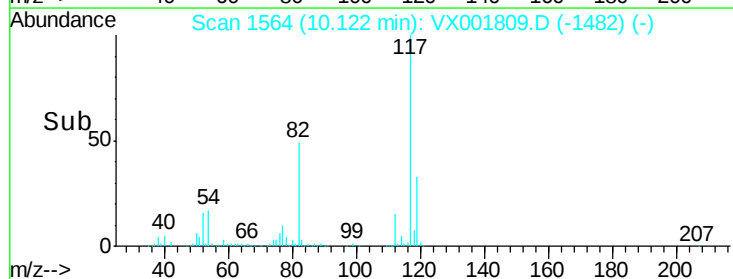
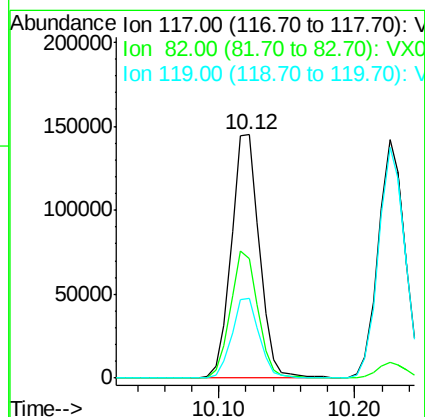
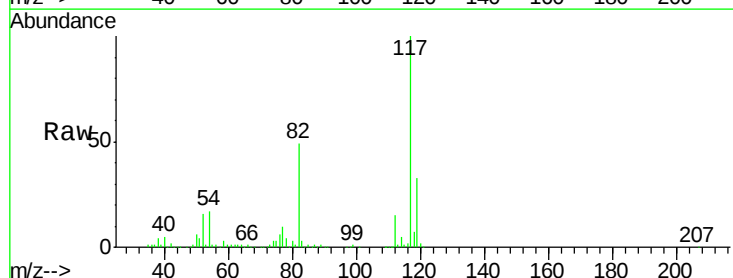
Manual Integrations
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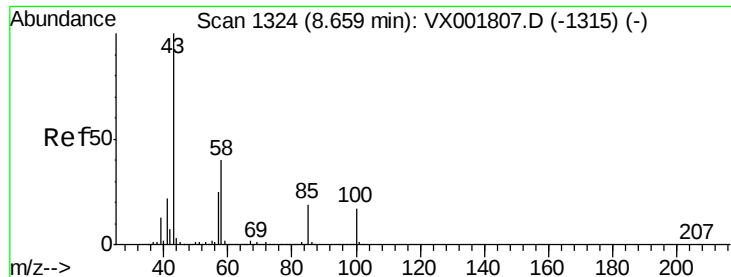
MMDadoda
5/21/2018 2:40:34 PM



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.1	40.1	60.1
119	32.4	26.0	39.0





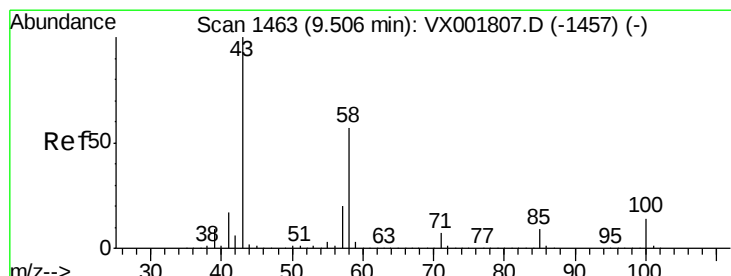
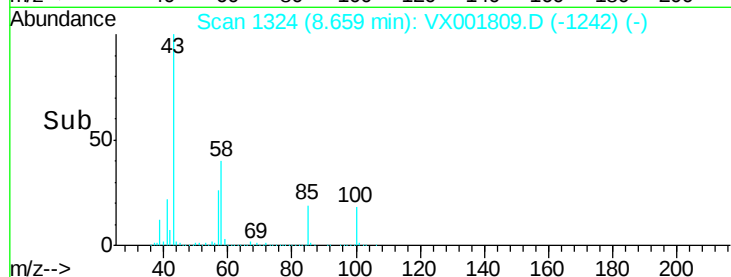
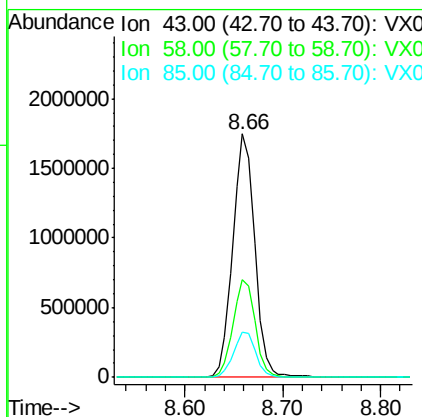
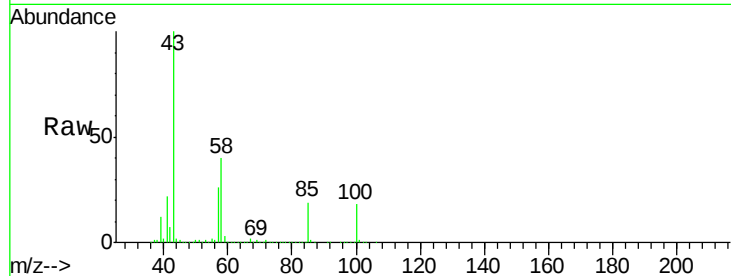
#58
 4-Methyl-2-Pentanone
 Concen: 684.29 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX001809.D
 Acq: 18 May 2018 05:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.6	31.3	46.9
85	19.0	14.5	21.7

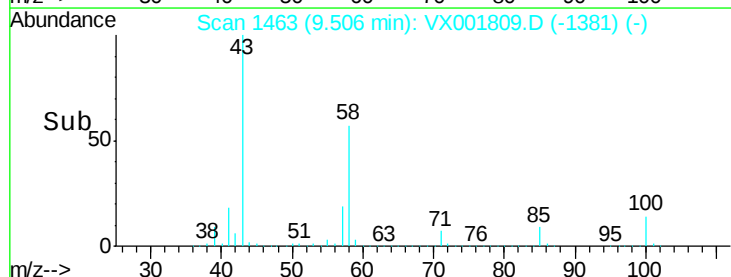
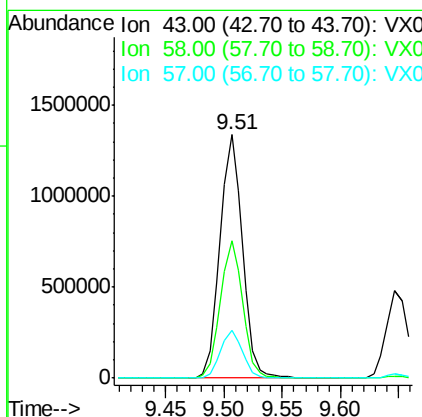
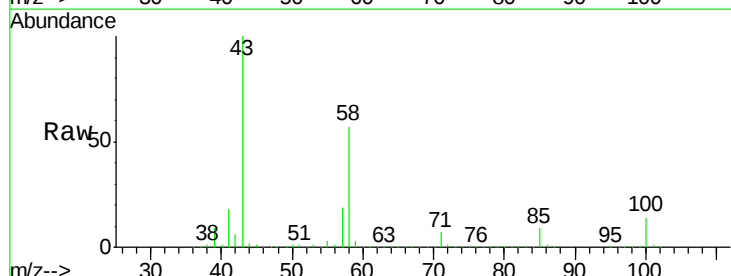
Manual Integrations
 APPROVED

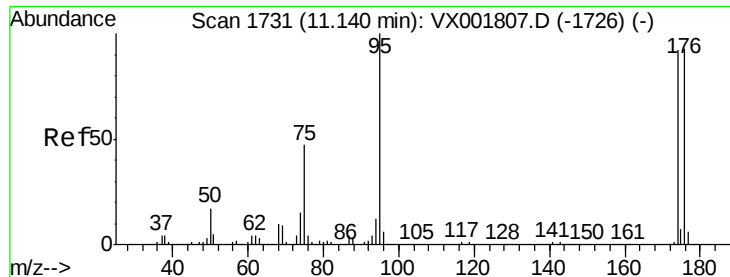
MMDadoda
 5/21/2018 2:40:34 PM



#59
 2-Hexanone
 Concen: 617.09 ug/l
 RT: 9.51 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VX001809.D
 Acq: 18 May 2018 05:34

Tgt Ion	Ratio	Lower	Upper
43	100		
58	56.3	44.6	66.8
57	19.2	15.5	23.3





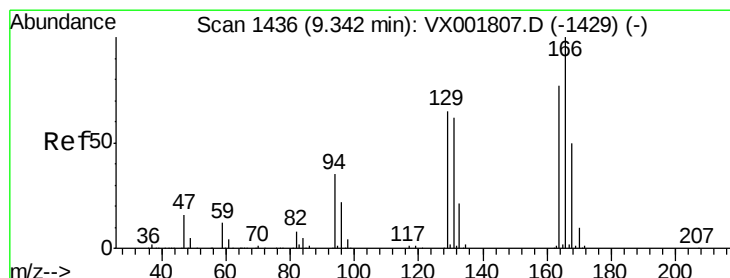
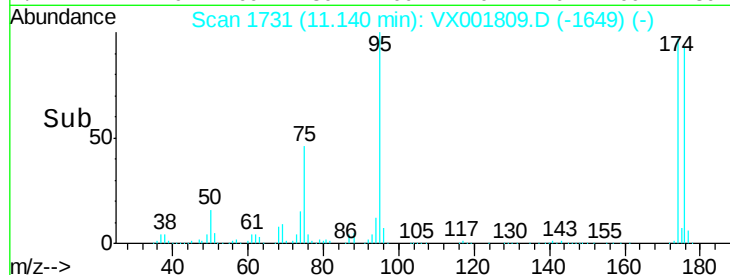
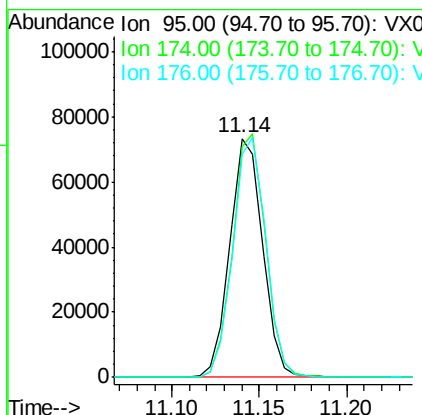
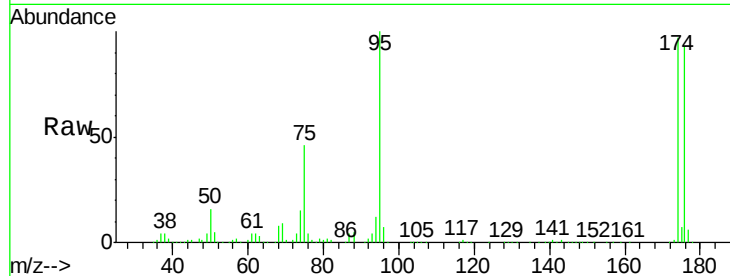
#60
4-Bromofluorobenzene
Concen: 29.52 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
95	100		
174	102.3	82.0	123.0
176	101.0	80.6	120.8

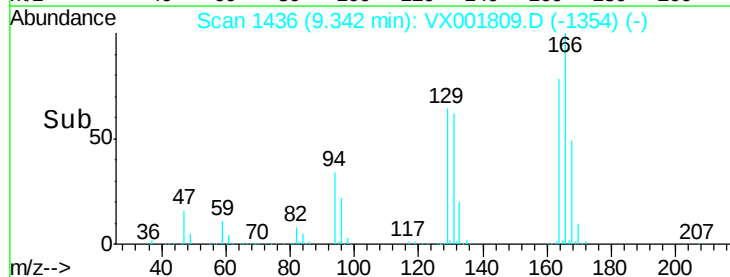
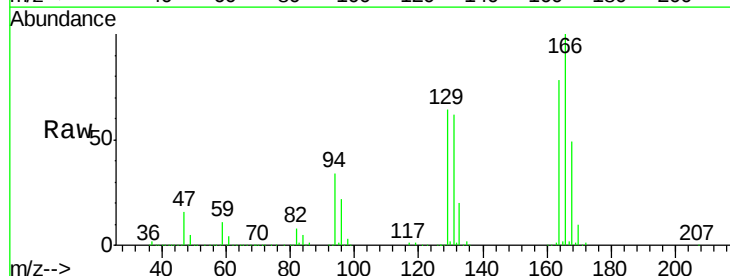
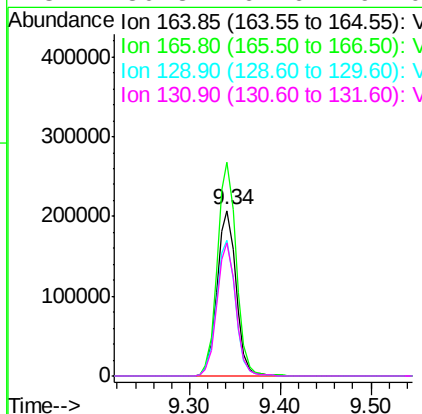
Manual Integrations
APPROVED

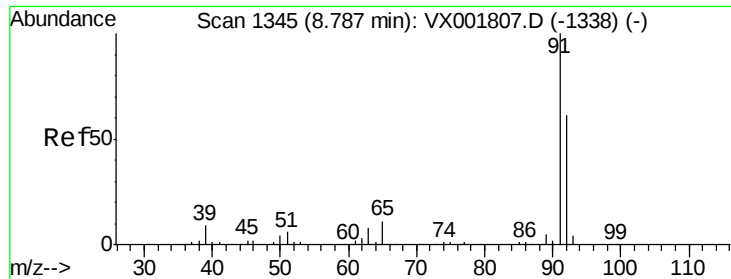
MMDadoda
5/21/2018 2:40:34 PM



#61
Tetrachloroethene
Concen: 102.92 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	104.1	156.1
129	82.0	67.8	101.8
131	80.3	64.6	97.0





#62

Toluene

Concen: 120.19 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VX001809.D

Acq: 18 May 2018 05:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 91 Resp: 1224970

Ion Ratio Lower Upper

91 100

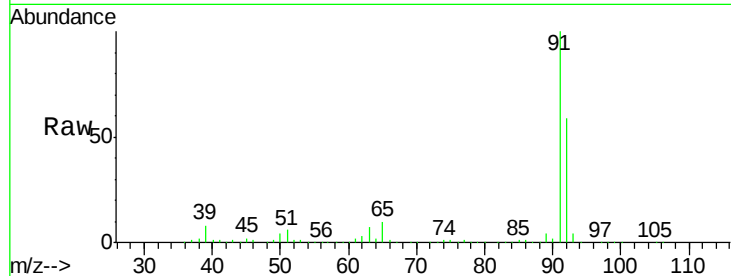
92 59.6 47.8 71.6

Manual Integrations

APPROVED

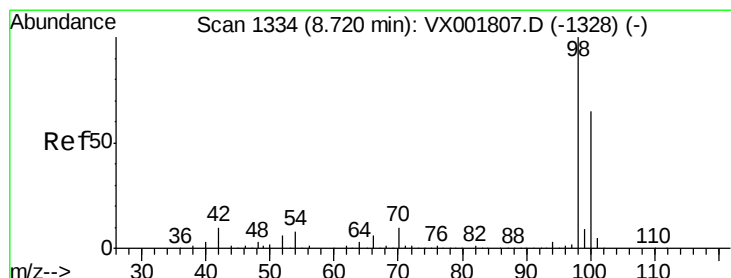
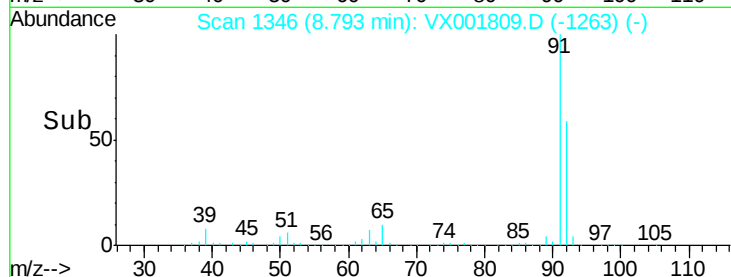
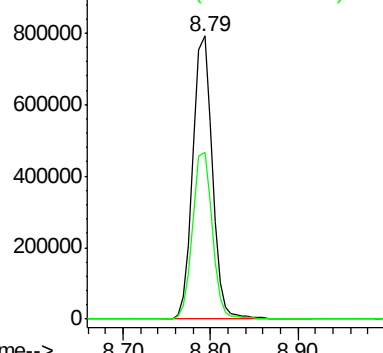
MMDadoda

5/21/2018 2:40:34 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0



#63

Toluene-d8

Concen: 33.22 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001809.D

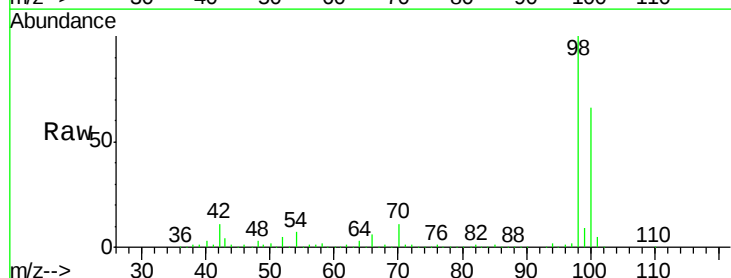
Acq: 18 May 2018 05:34

Tgt Ion: 98 Resp: 316343

Ion Ratio Lower Upper

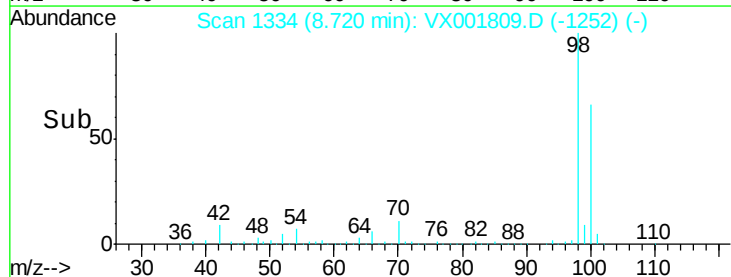
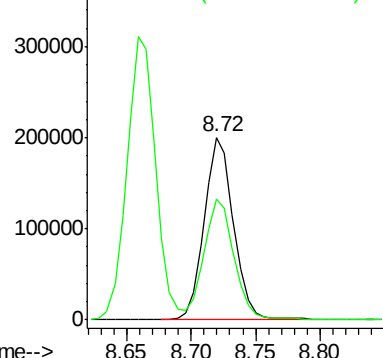
98 100

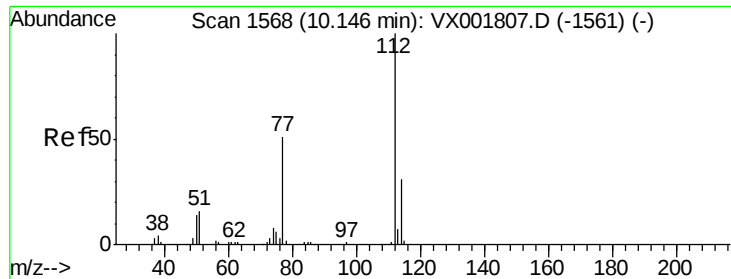
100 67.3 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





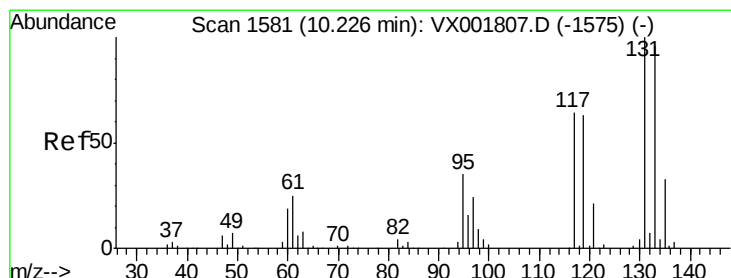
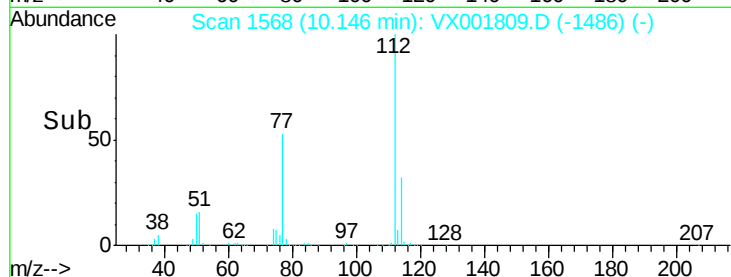
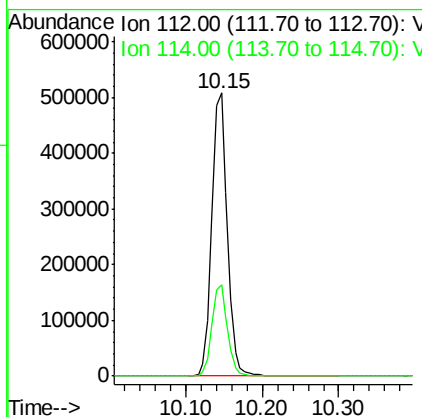
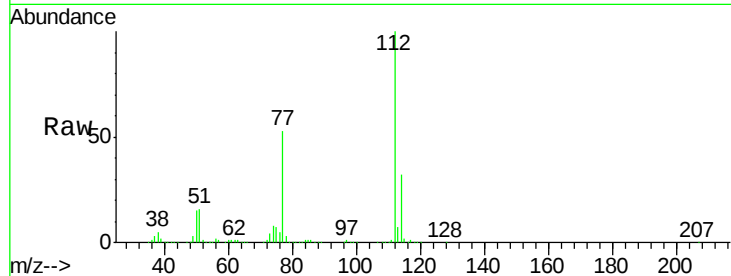
#64
Chlorobenzene
Concen: 108.91 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 710814
Ion Ratio Lower Upper
112 100
114 32.4 25.1 37.7

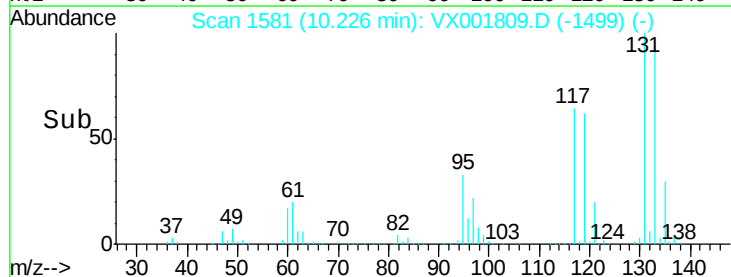
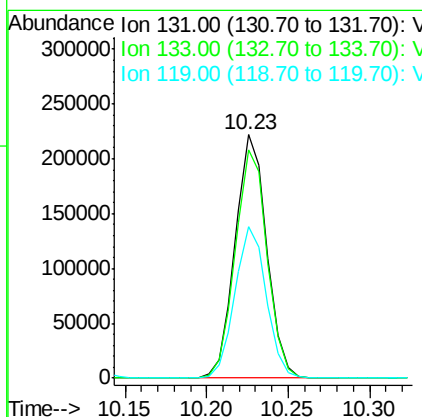
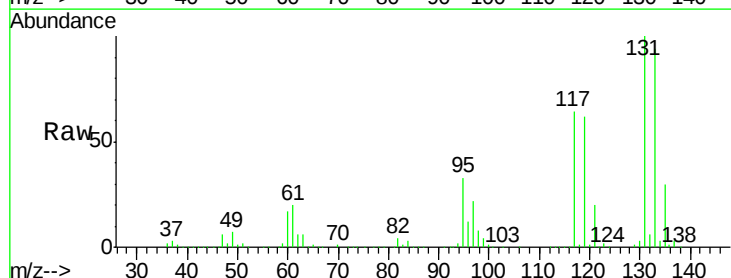
Manual Integrations
APPROVED

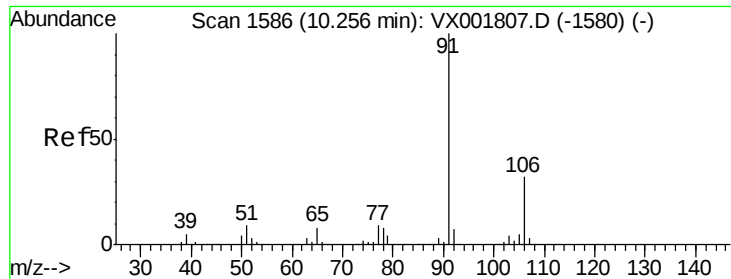
MMDadoda
5/21/2018 2:40:34 PM



#65
1,1,1,2-Tetrachloroethane
Concen: 118.42 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Tgt Ion:131 Resp: 298454
Ion Ratio Lower Upper
131 100
133 94.7 0.0 192.2
119 61.9 0.0 125.4





#66

Ethyl Benzene

Concen: 104.05 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001809.D

Acq: 18 May 2018 05:34

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 1053106

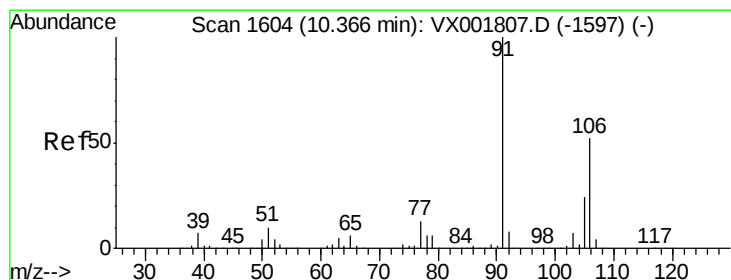
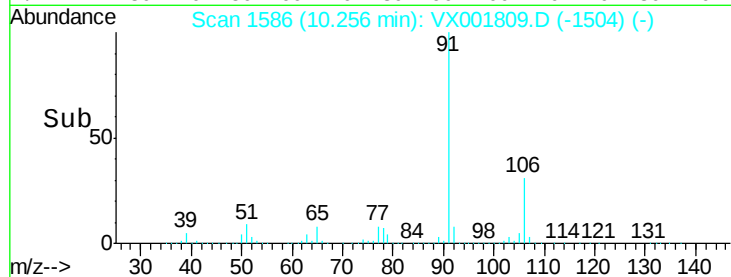
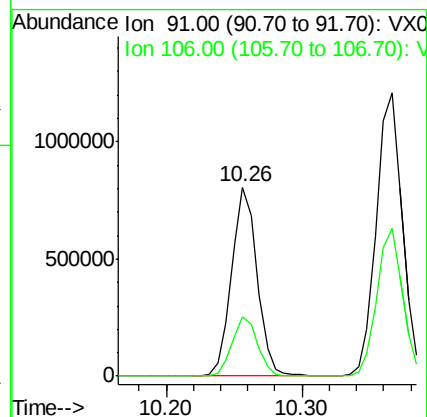
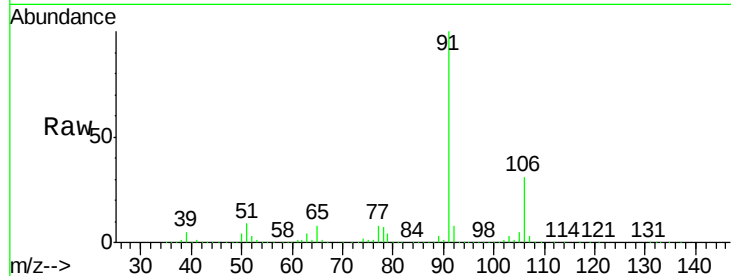
Ion Ratio Lower Upper

91 100

106 31.5 25.8 38.6

Manual Integrations
APPROVED

MMDadoda
5/21/2018 2:40:34 PM



#67

m/p-Xylenes

Concen: 207.11 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001809.D

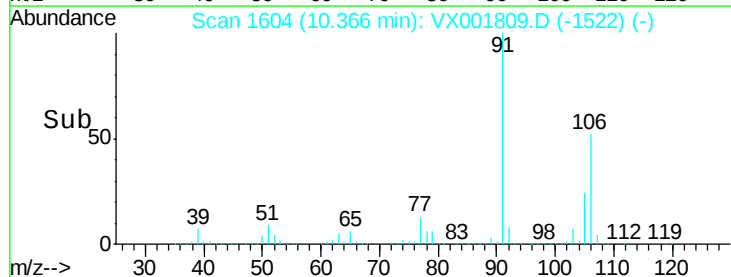
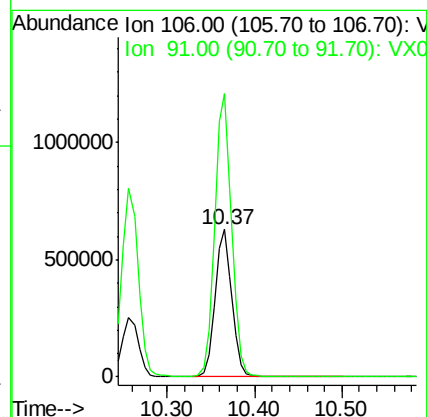
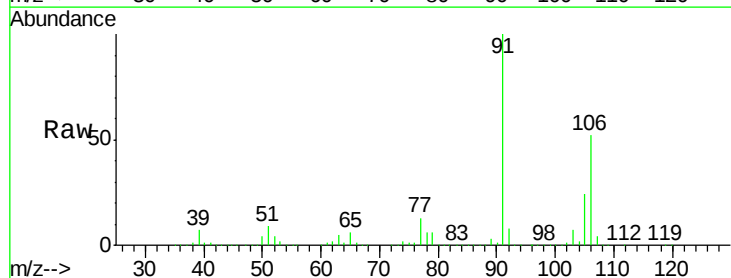
Acq: 18 May 2018 05:34

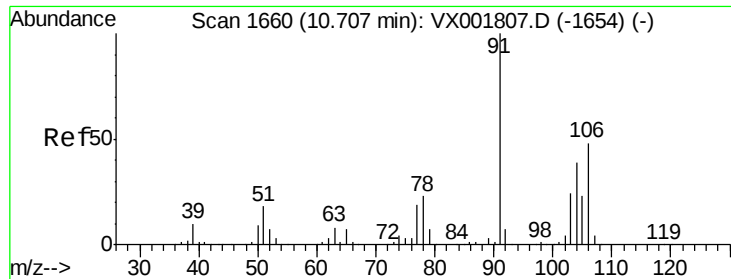
Tgt Ion: 106 Resp: 835853

Ion Ratio Lower Upper

106 100

91 193.9 154.7 232.1





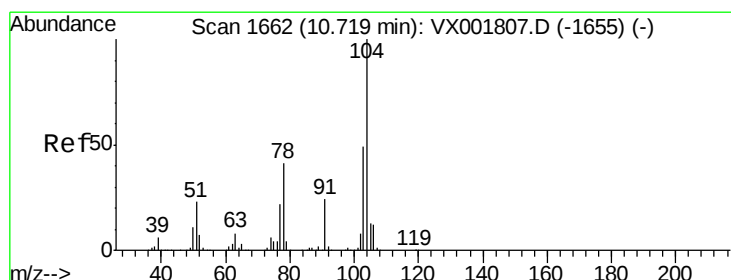
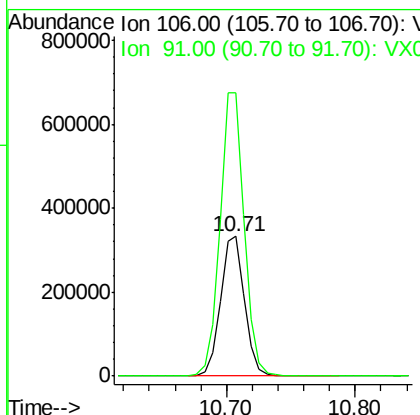
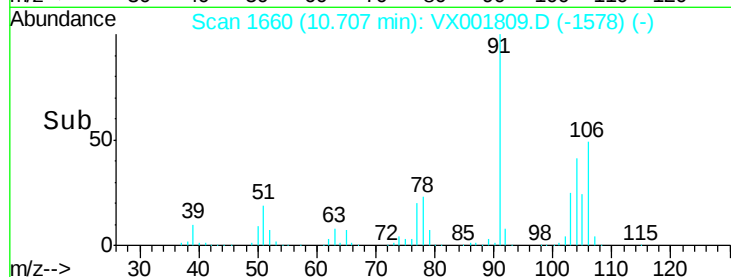
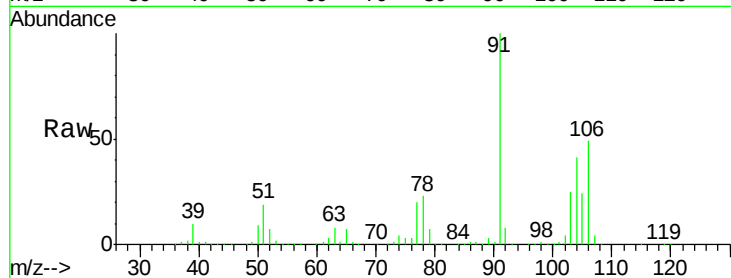
#68
o-Xylene
Concen: 108.36 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		436652		
91	205.2	104.3	312.8		

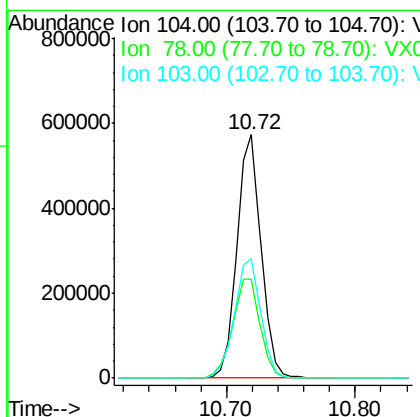
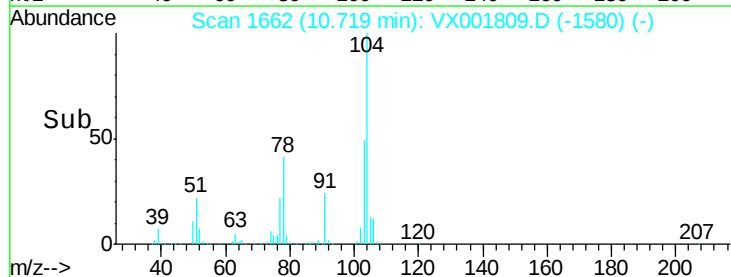
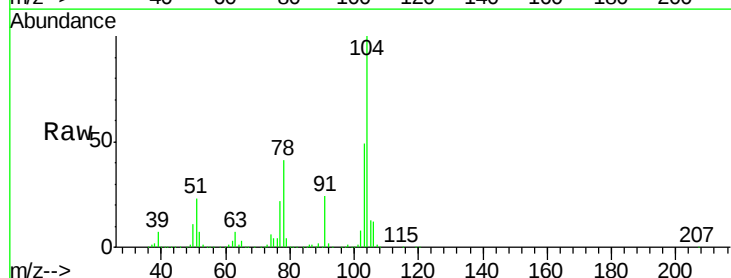
Manual Integrations
APPROVED

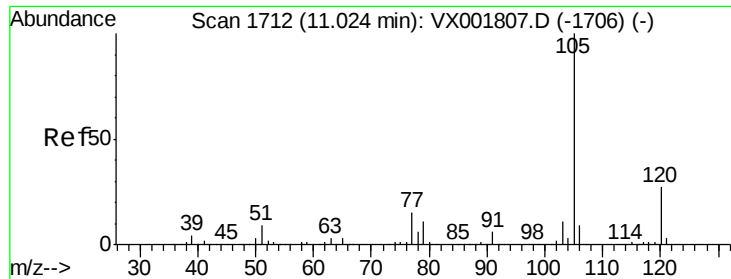
MMDadoda
5/21/2018 2:40:34 PM



#69
Styrene
Concen: 111.58 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		746779		
78	46.5	37.0	55.6		
103	54.3	43.5	65.3		





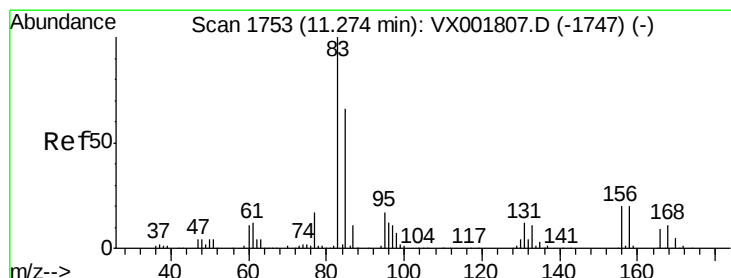
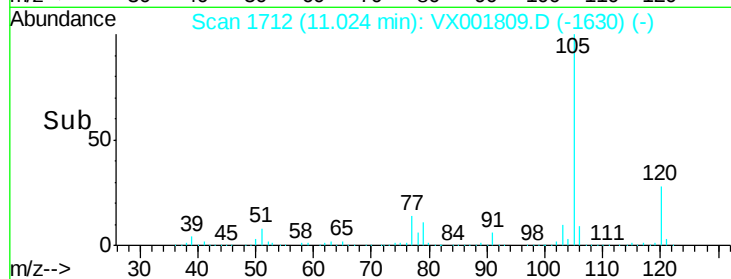
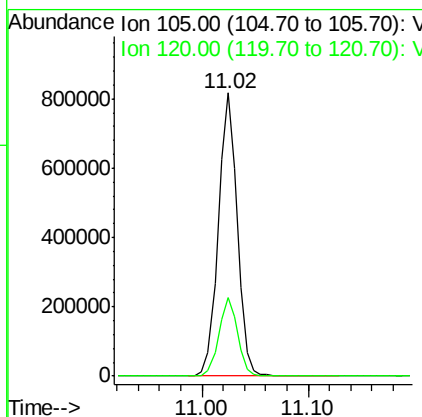
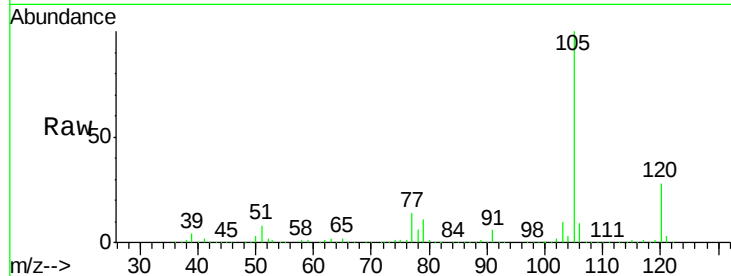
#70
Isopropylbenzene
Concen: 98.94 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 1006581
Ion Ratio Lower Upper
105 100
120 27.6 19.3 35.9

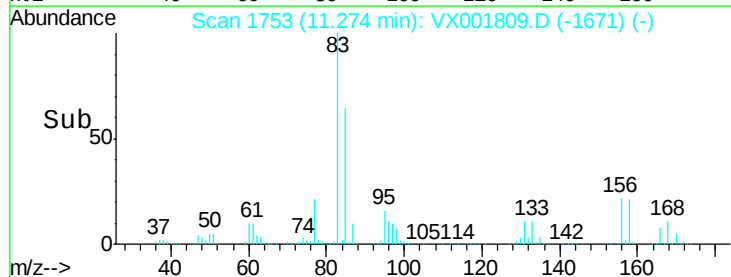
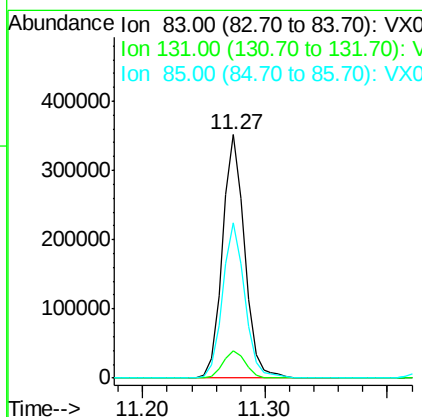
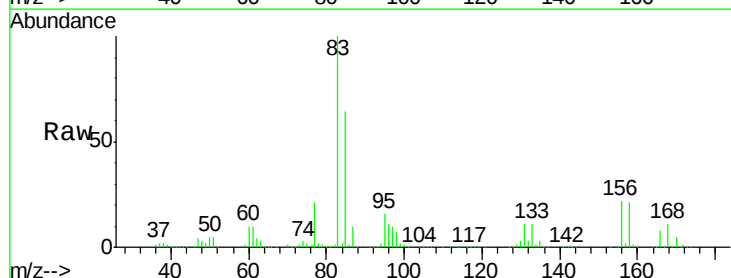
Manual Integrations
APPROVED

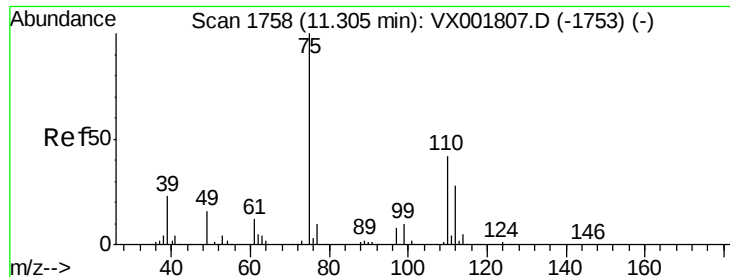
MMDadoda
5/21/2018 2:40:34 PM



#71
1,1,2,2-Tetrachloroethane
Concen: 120.96 ug/l
RT: 11.27 min Scan# 1753
Delta R.T. 0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Tgt Ion: 83 Resp: 441069
Ion Ratio Lower Upper
83 100
131 11.4 5.8 17.3
85 63.8 32.3 96.9





#72

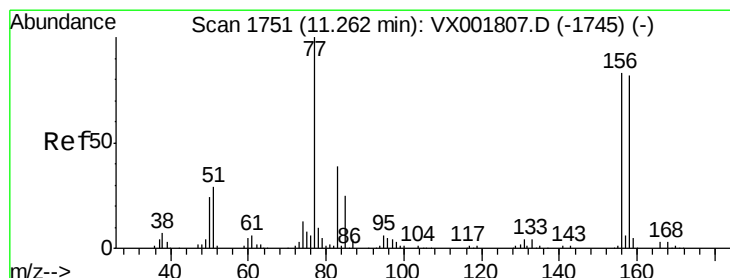
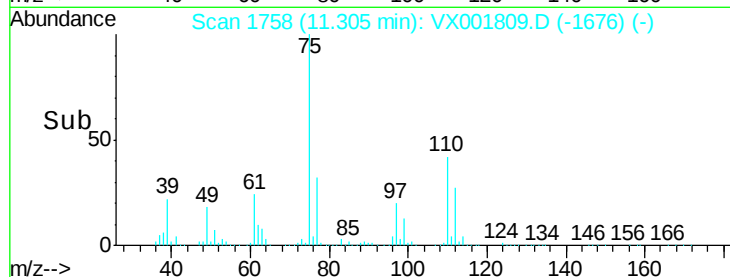
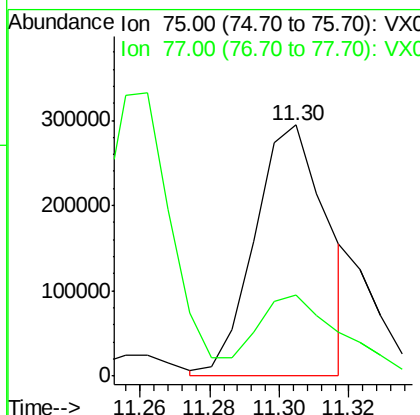
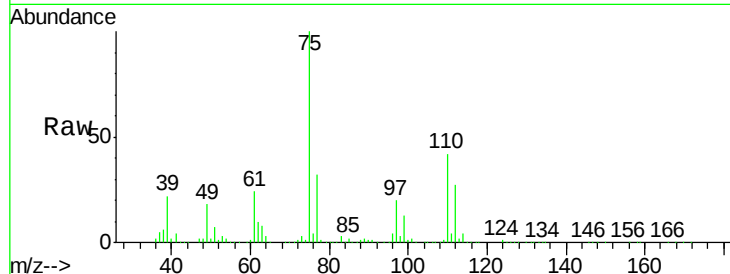
1,2,3-Trichloropropane
Concen: 119.92 ug/l m
RT: 11.30 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion: 75 Resp: 423595
Ion Ratio Lower Upper
75 100
77 37.2 0.0 74.6

Manual Integrations
APPROVED

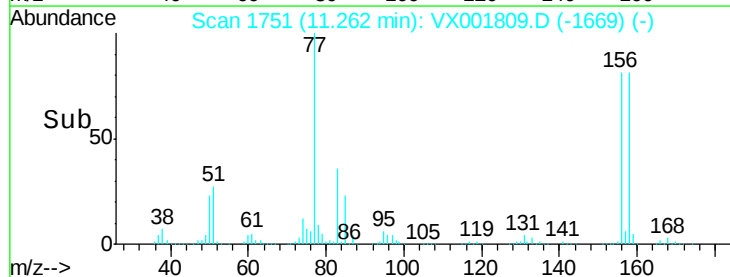
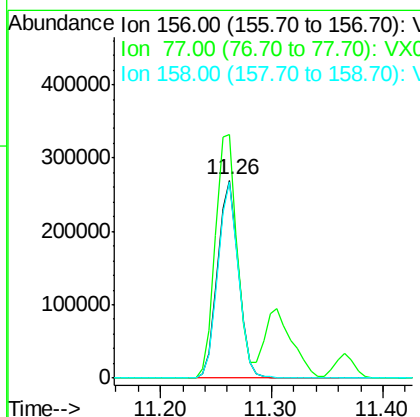
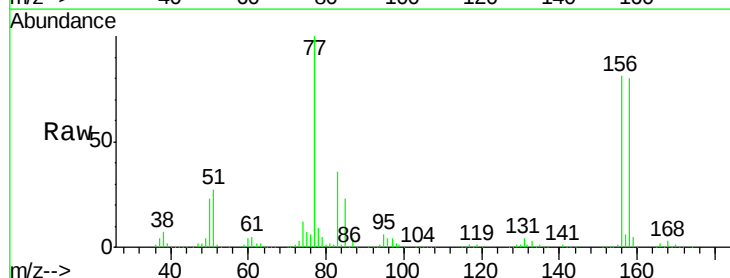
MMDadoda
5/21/2018 2:40:34 PM

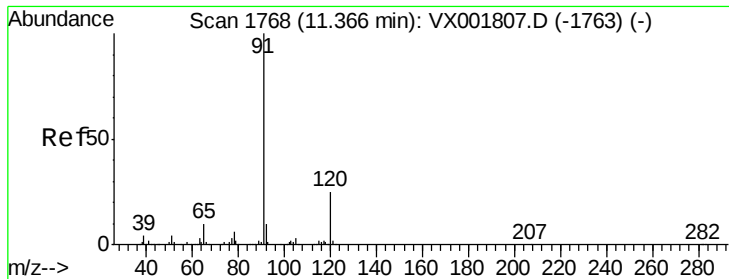


#73

Bromobenzene
Concen: 110.10 ug/l
RT: 11.26 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Tgt Ion: 156 Resp: 350562
Ion Ratio Lower Upper
156 100
77 127.8 0.0 261.8
158 97.5 0.0 198.2





#74

n-propylbenzene

Concen: 97.20 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001809.D

Acq: 18 May 2018 05:34

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 1079214

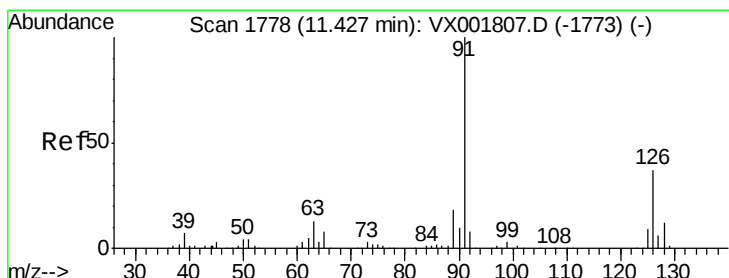
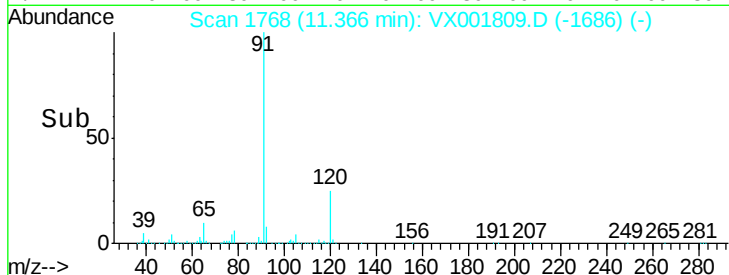
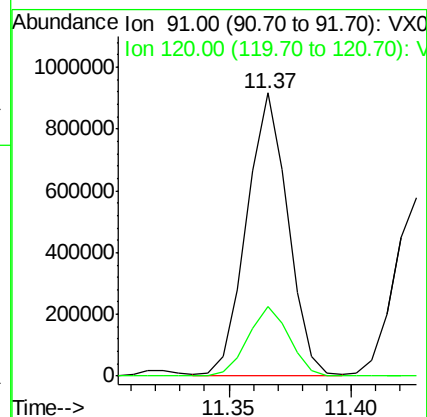
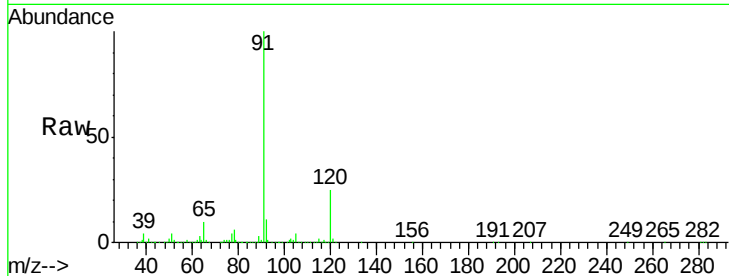
Ion Ratio Lower Upper

91 100

120 24.6 0.0 49.2

Manual Integrations
APPROVED

MMDadoda
5/21/2018 2:40:34 PM



#75

2-Chlorotoluene

Concen: 101.58 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001809.D

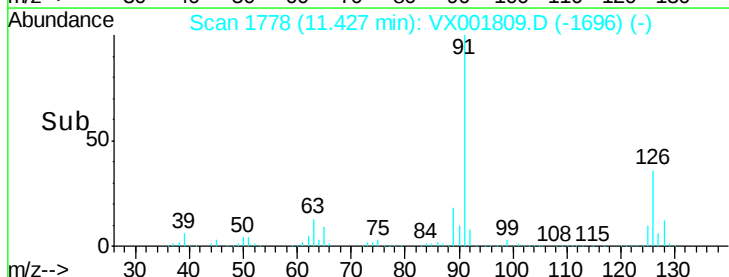
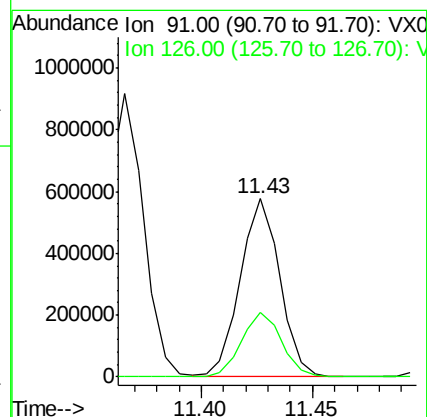
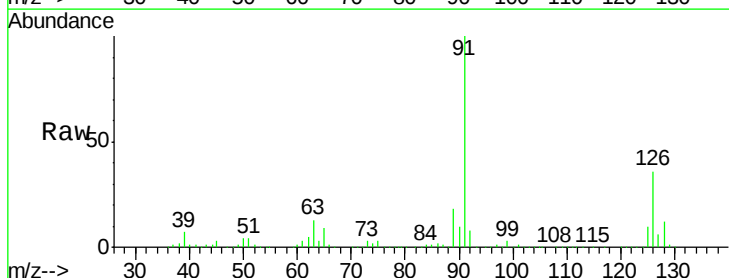
Acq: 18 May 2018 05:34

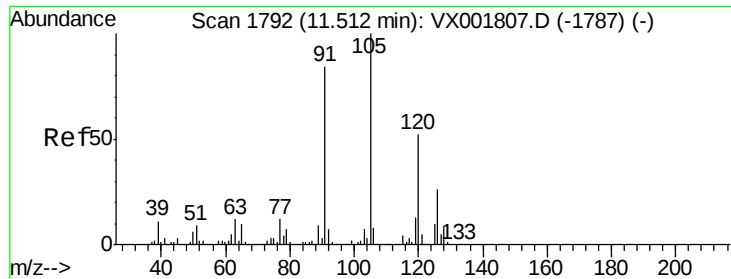
Tgt Ion: 91 Resp: 718529

Ion Ratio Lower Upper

91 100

126 36.3 0.0 72.0





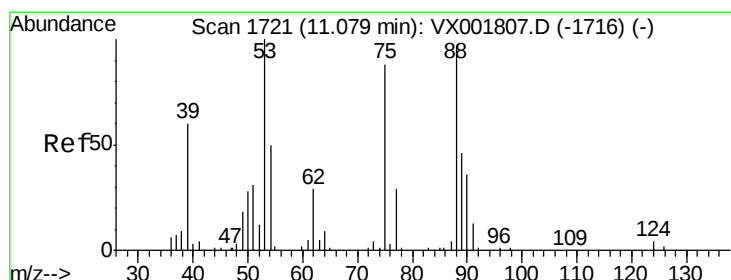
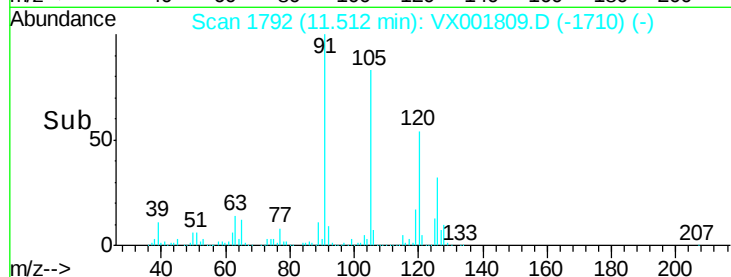
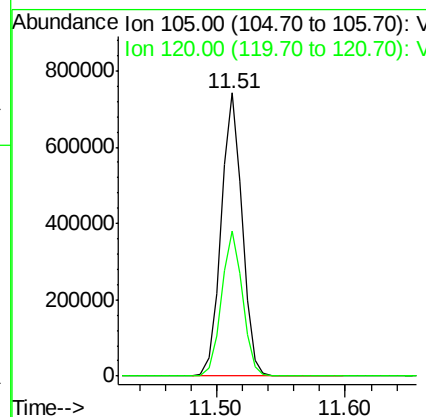
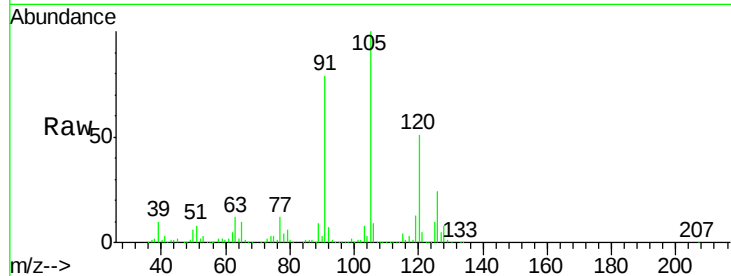
#76
 1,3,5-Trimethylbenzene
 Concen: 99.94 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX001809.D
 Acq: 18 May 2018 05:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
105	100		
120	50.9	0.0	103.0

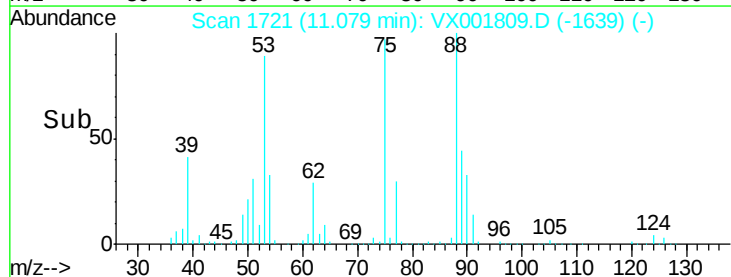
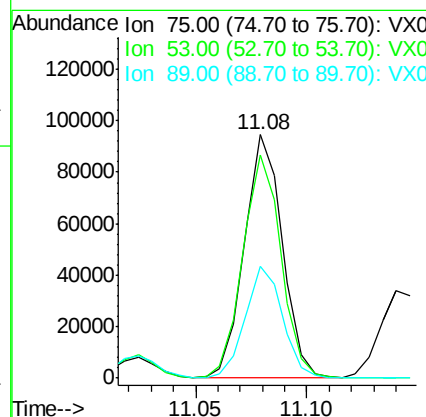
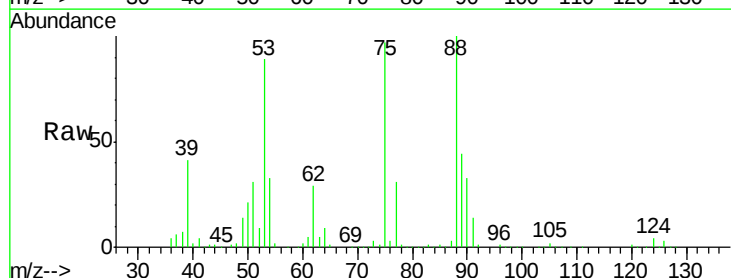
Manual Integrations
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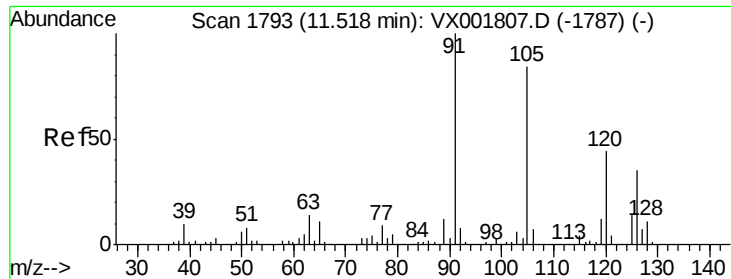
MMDadoda
 5/21/2018 2:40:34 PM



#77
 t-1,4-Dichloro-2-butene
 Concen: 128.31 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX001809.D
 Acq: 18 May 2018 05:34

Tgt Ion	Ratio	Lower	Upper
75	100		
53	91.8	57.0	170.8
89	46.0	26.3	78.9





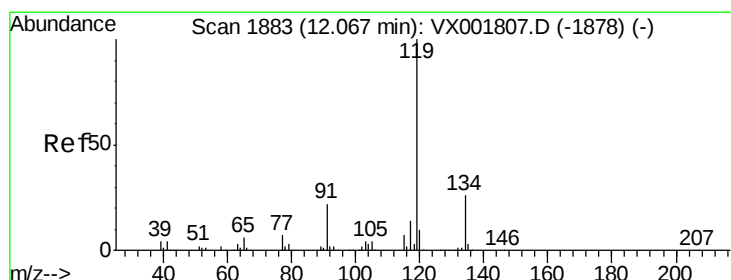
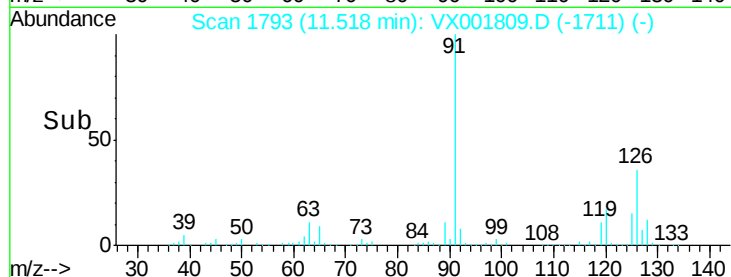
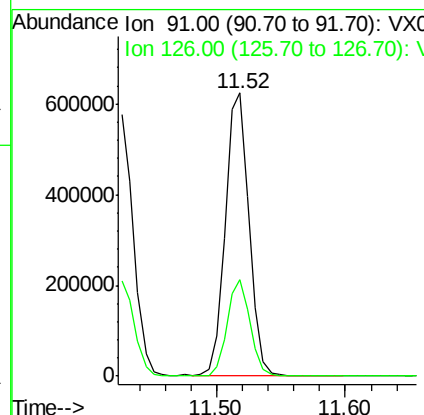
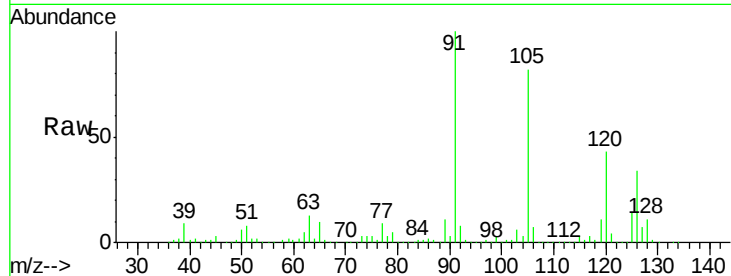
#78
4-Chlorotoluene
Concen: 101.11 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 809881
Ion Ratio Lower Upper
91 100
126 32.8 0.0 64.8

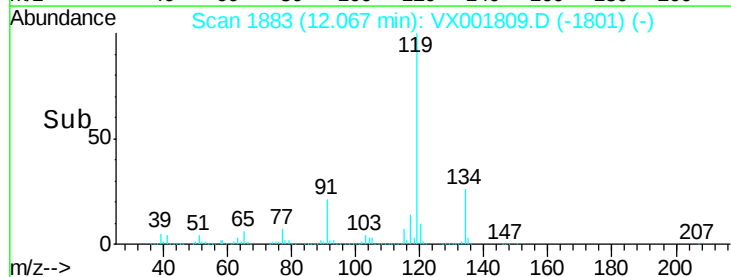
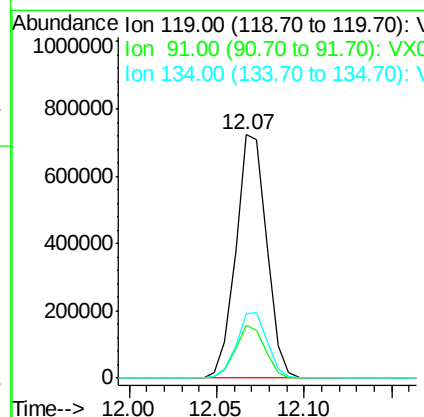
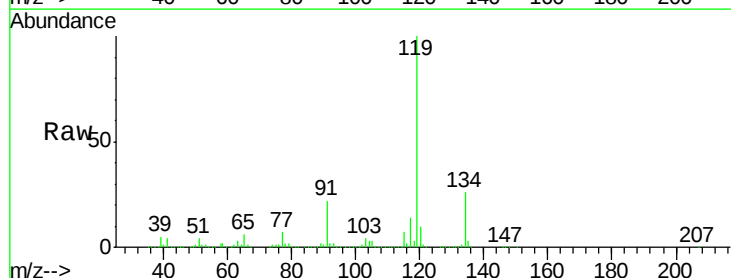
Manual Integrations
APPROVED

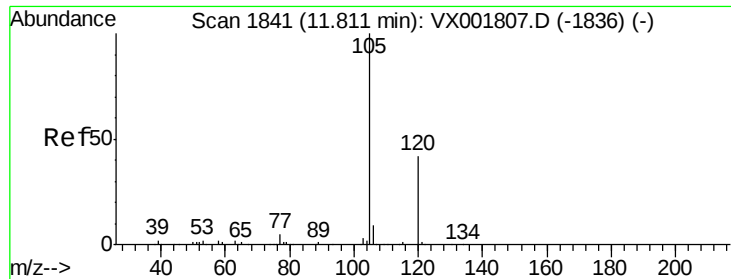
MMDadoda
5/21/2018 2:40:34 PM



#79
tert-butylbenzene
Concen: 99.23 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Tgt Ion: 119 Resp: 885853
Ion Ratio Lower Upper
119 100
91 20.9 0.0 43.2
134 26.8 0.0 54.6





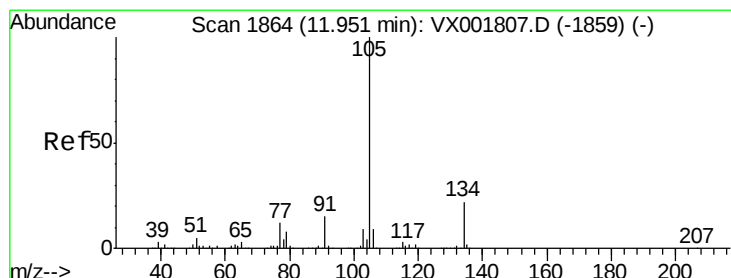
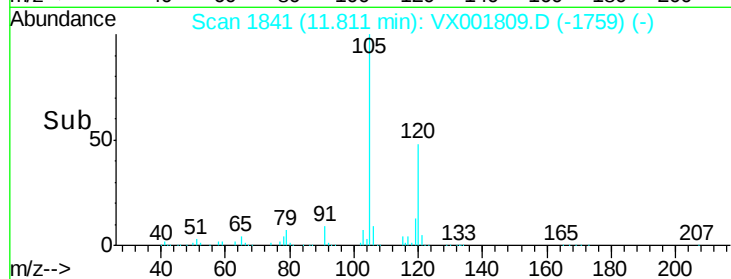
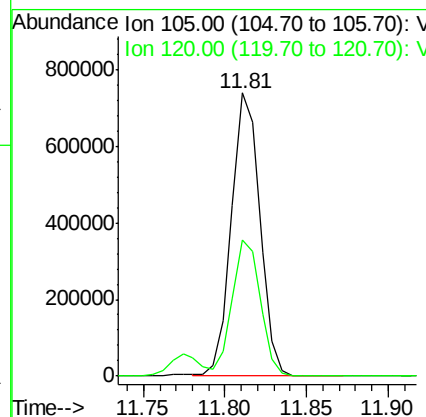
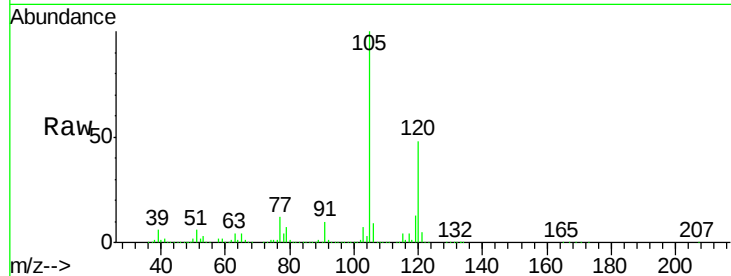
#80
 1,2,4-Trimethylbenzene
 Concen: 102.31 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001809.D
 Acq: 18 May 2018 05:34

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
105	100	895852		
120	47.4	0.0	94.6	

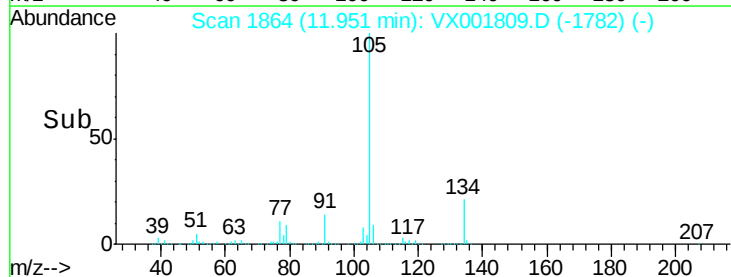
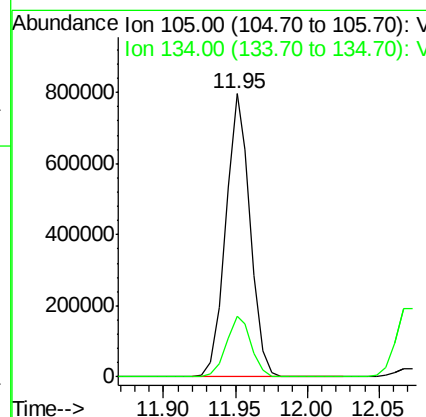
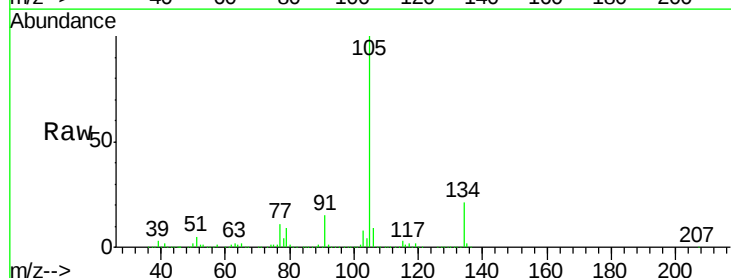
Manual Integrations
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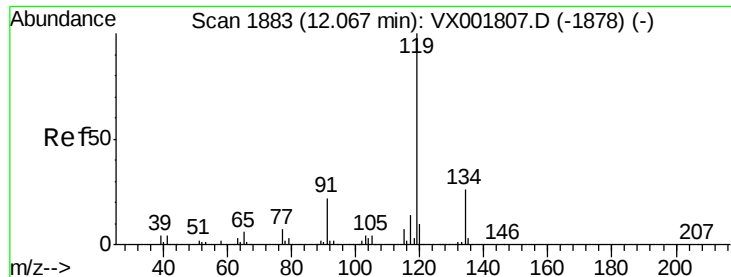
MMDadoda
 5/21/2018 2:40:34 PM



#81
 sec-Butylbenzene
 Concen: 96.70 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX001809.D
 Acq: 18 May 2018 05:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	946154		
134	21.7	0.0	44.0	





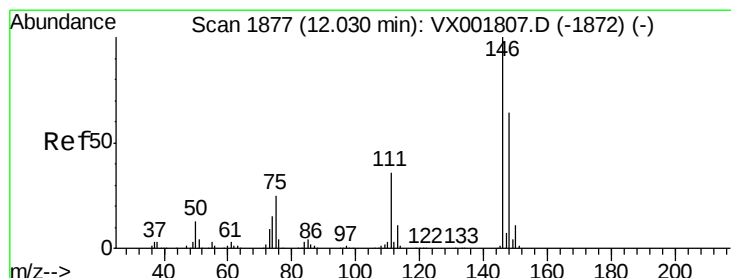
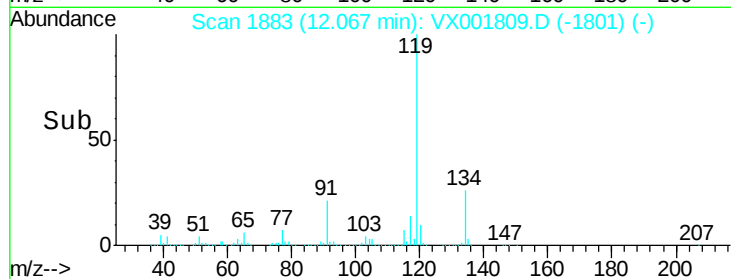
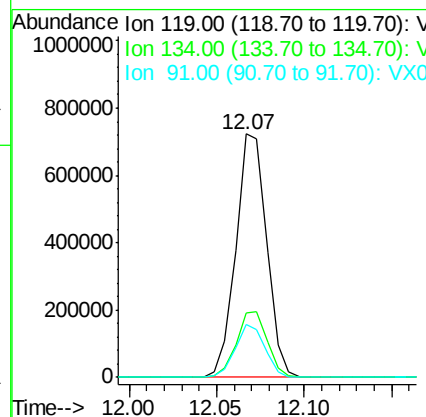
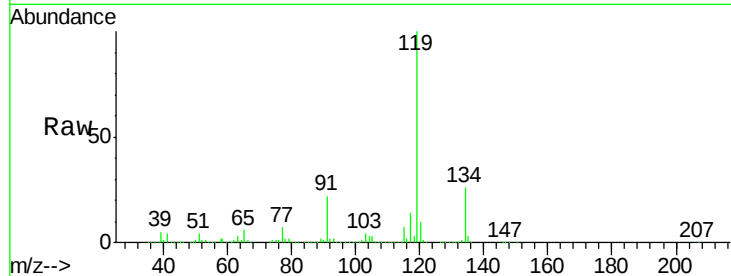
#82
p-Isopropyltoluene
Concen: 99.23 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	885853		
134	26.8	0.0	54.6	
91	20.9	0.0	43.2	

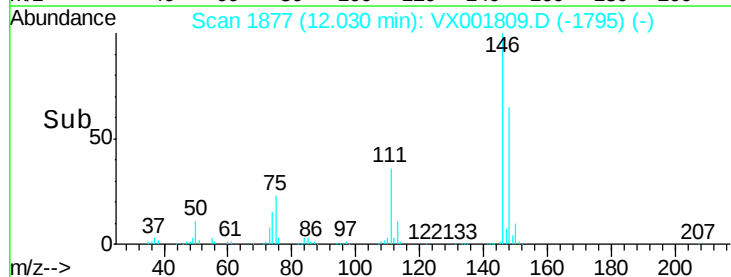
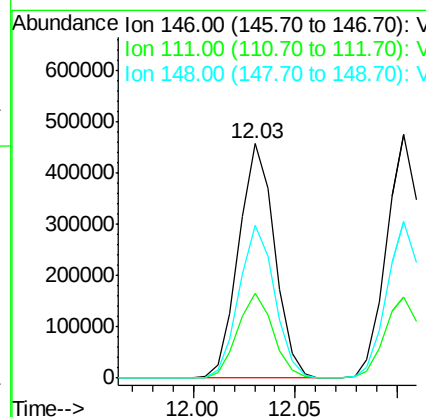
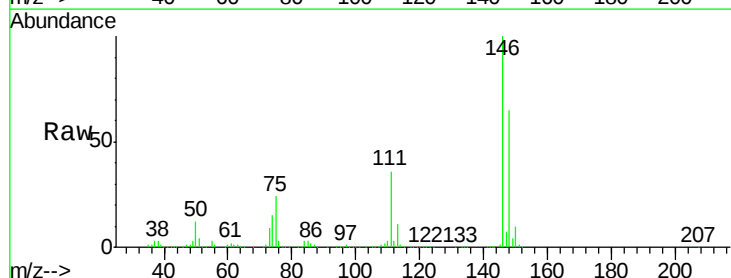
Manual Integrations
APPROVED

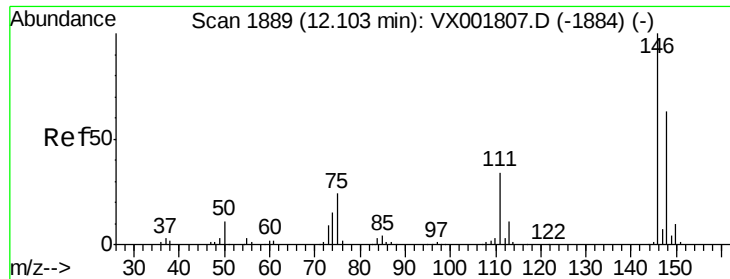
MMDadoda
5/21/2018 2:40:34 PM



#83
1,3-Dichlorobenzene
Concen: 102.94 ug/l
RT: 12.03 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	559326		
111	35.8	18.0	54.0	
148	64.5	31.9	95.9	





#84

1,4-Dichlorobenzene

Concen: 103.53 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX001809.D

Acq: 18 May 2018 05:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 564452

Ion Ratio Lower Upper

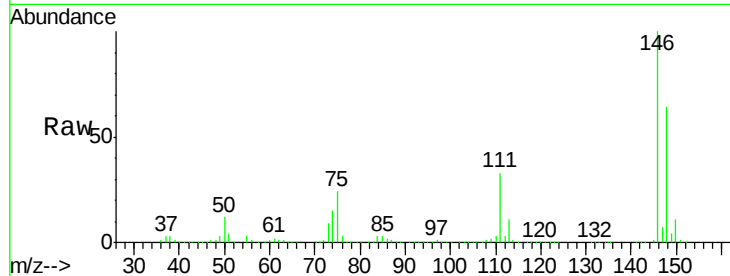
146 100

111 34.1 17.1 51.2

148 64.3 31.8 95.3

Manual Integrations
APPROVED

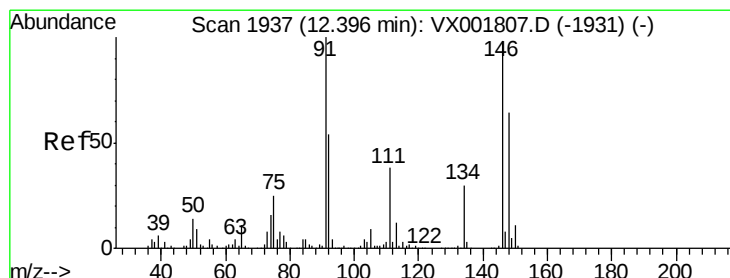
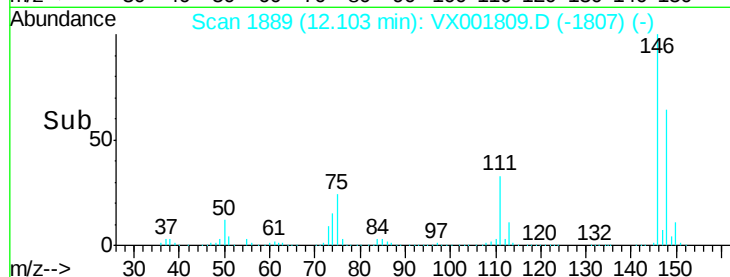
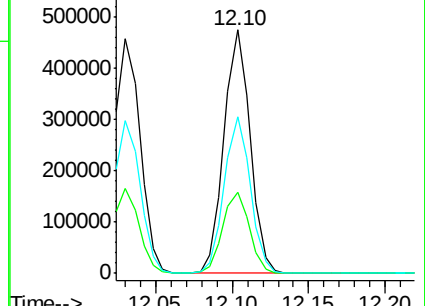
MMDadoda
5/21/2018 2:40:34 PM



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 98.19 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001809.D

Acq: 18 May 2018 05:34

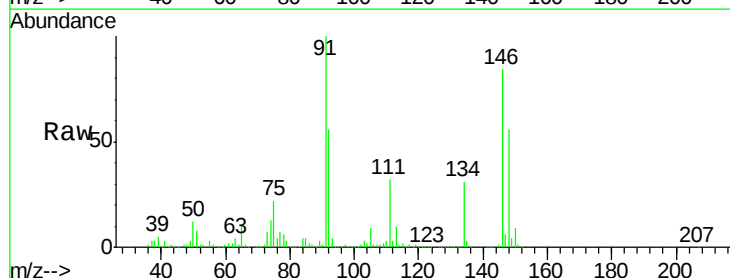
Tgt Ion: 91 Resp: 690675

Ion Ratio Lower Upper

91 100

92 54.7 0.0 108.2

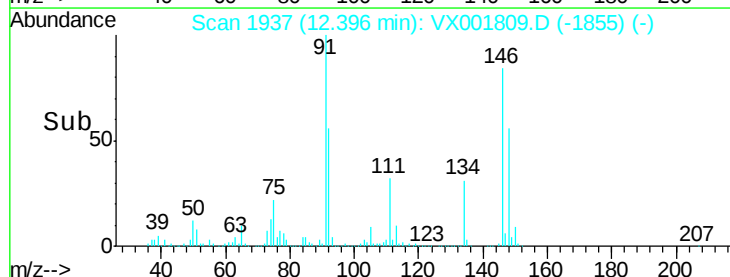
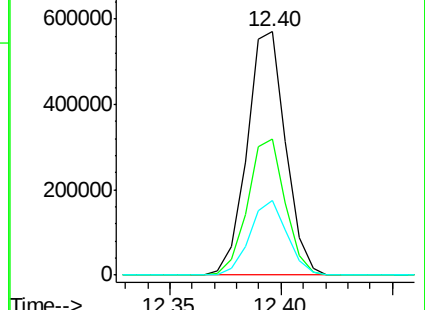
134 29.4 0.0 57.8

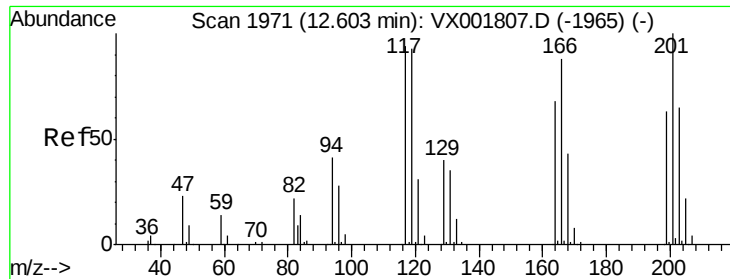


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





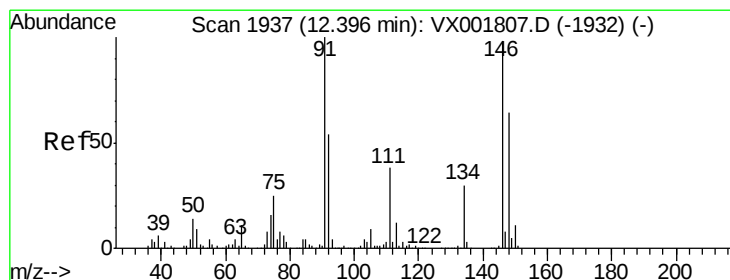
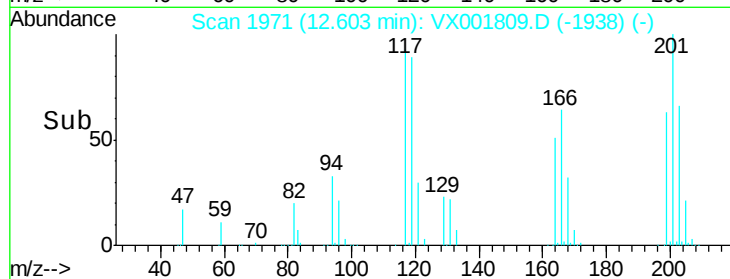
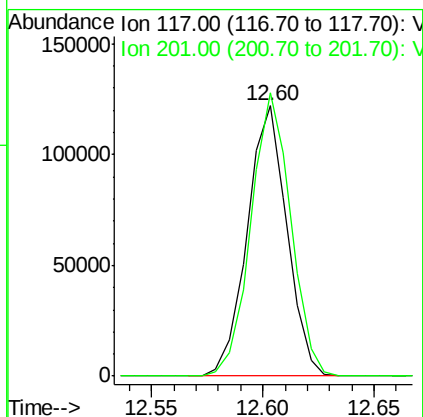
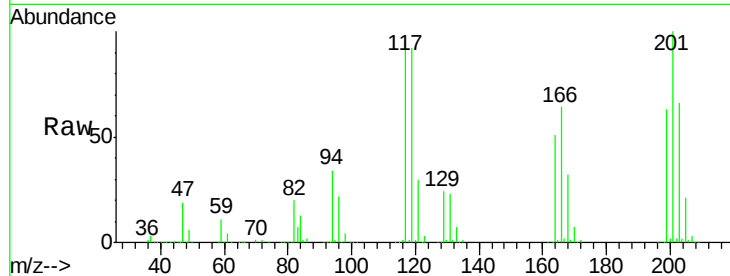
#86
Hexachloroethane
Concen: 105.41 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 151568
Ion Ratio Lower Upper
117 100
201 104.9 53.0 159.0

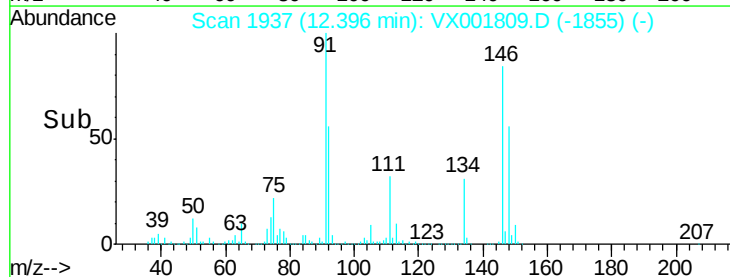
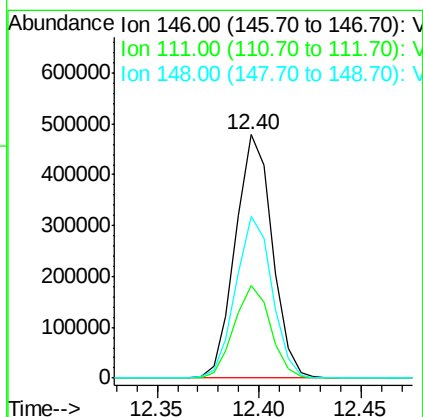
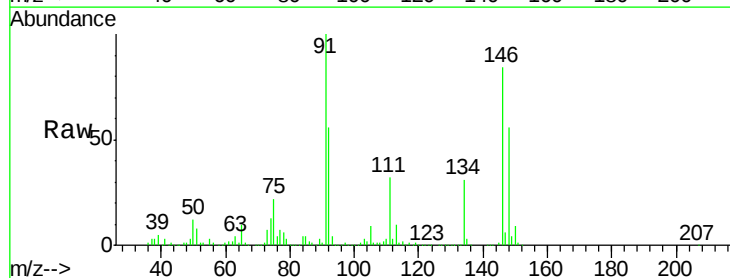
Manual Integrations
APPROVED

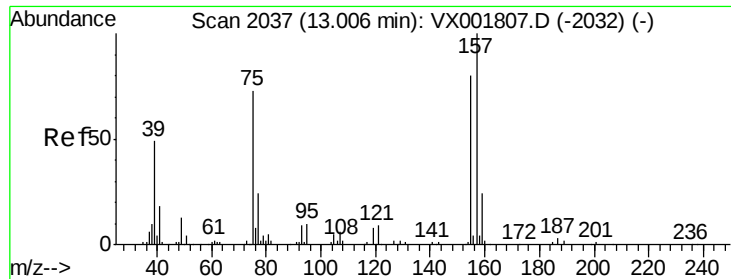
MMDadoda
5/21/2018 2:40:34 PM



#87
1,2-Dichlorobenzene
Concen: 105.70 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Tgt Ion:146 Resp: 600748
Ion Ratio Lower Upper
146 100
111 37.4 18.9 56.5
148 65.5 32.9 98.7





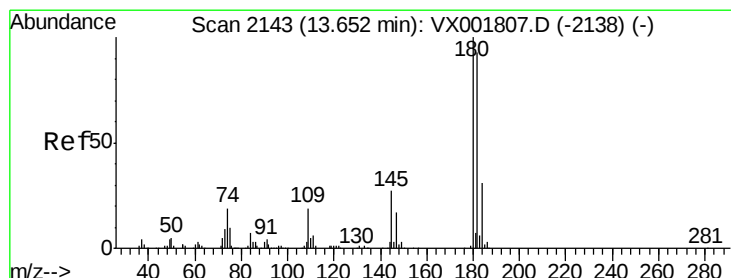
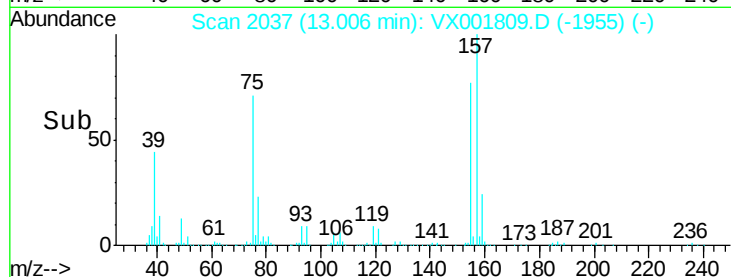
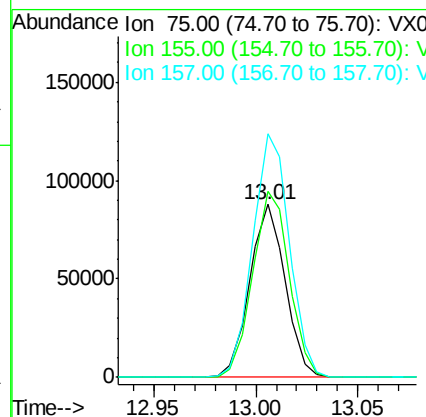
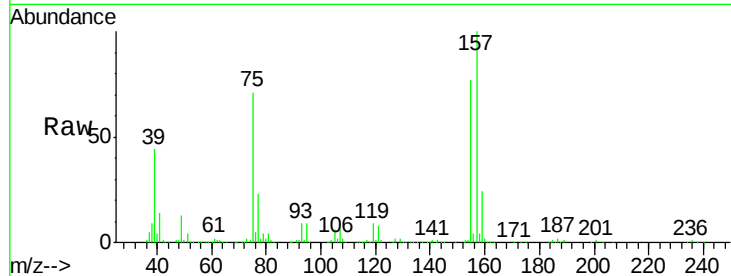
#88
 1,2-Dibromo-3-Chloropropane
 Concen: 126.45 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001809.D
 Acq: 18 May 2018 05:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
155	112.1	88.5	132.7
157	146.3	111.0	166.4

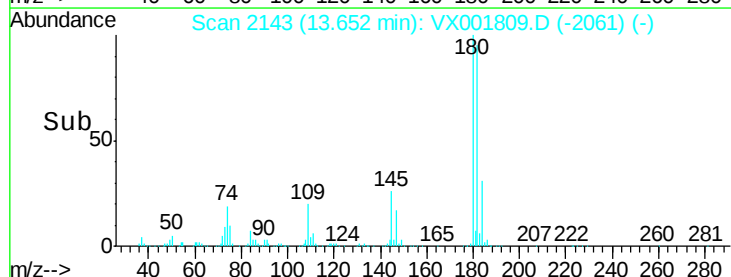
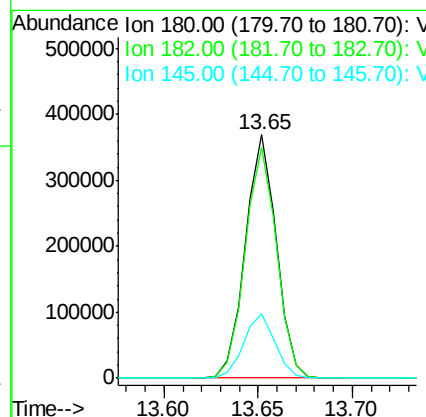
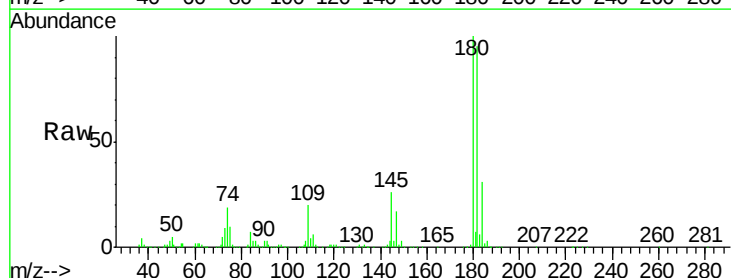
Manual Integrations
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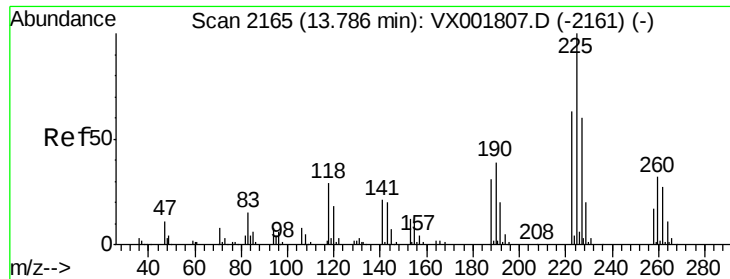
MMDadoda
 5/21/2018 2:40:34 PM



#89
 1,2,4-Trichlorobenzene
 Concen: 105.98 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001809.D
 Acq: 18 May 2018 05:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.6	113.4
145	26.5	21.6	32.4





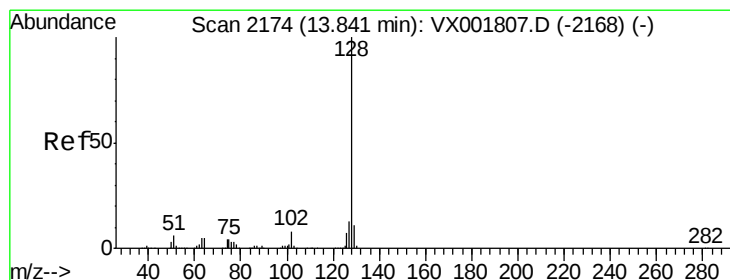
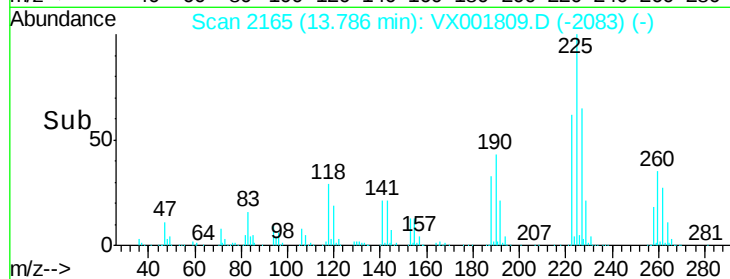
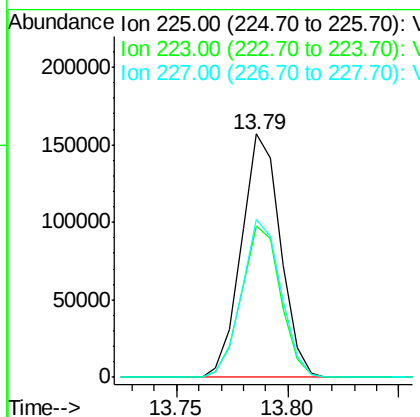
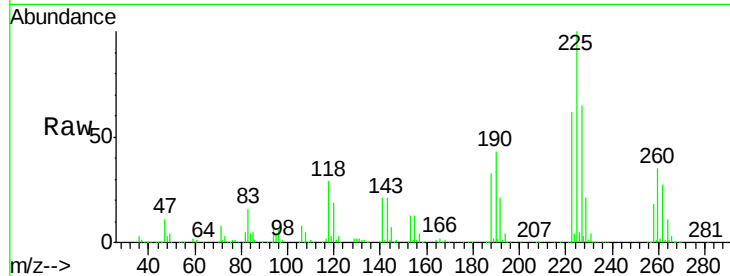
#90
Hexachlorobutadiene
Concen: 96.38 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. 0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
225	100	192934		
223	62.5	0.0	123.6	
227	64.8	0.0	124.0	

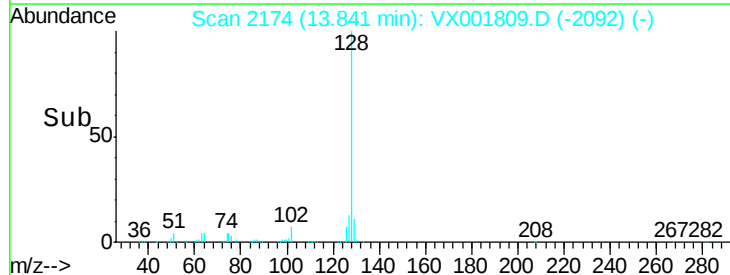
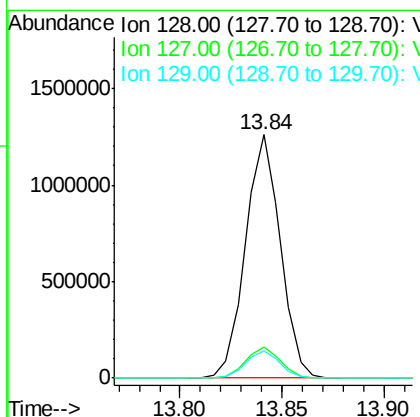
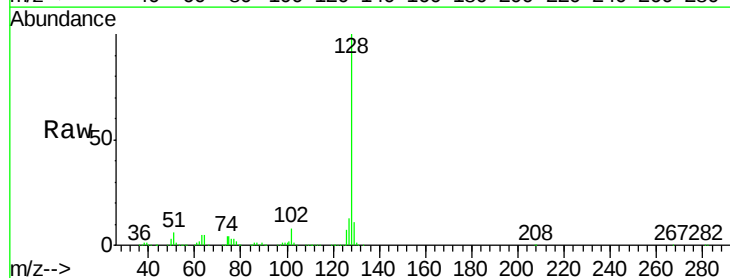
Manual Integrations
APPROVED

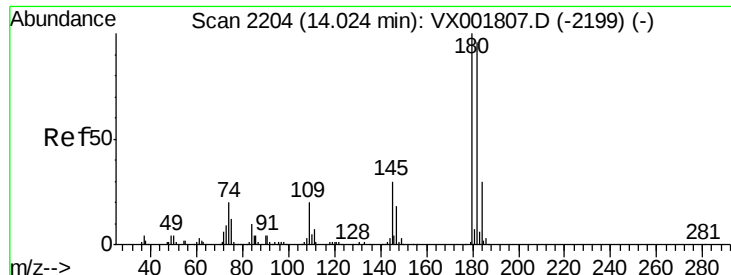
MMDadoda
5/21/2018 2:40:34 PM



#91
Naphthalene
Concen: 121.48 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX001809.D
Acq: 18 May 2018 05:34

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	1493678		
127	12.8	10.2	15.4	
129	11.0	8.7	13.1	





#92
 1,2,3-Trichlorobenzene
 Concen: 106.69 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX001809.D
 Acq: 18 May 2018 05:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	96.5	0.0	188.8
145	28.6	0.0	56.6

Manual Integrations
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