

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032019\
 Data File : VX008233.D
 Acq On : 20 Mar 2019 11:31
 Operator : JC/SP
 Sample : VX0320WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sampled :
 VX0320WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 2:50:38 PM

Quant Time: Mar 22 06:04:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	313441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	498480	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	445715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	213559	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	208055	44.07	ug/l	0.00
Spiked Amount						
			Recovery	=	88.14%	
35) Dibromofluoromethane	5.50	113	155535	46.61	ug/l	0.00
Spiked Amount						
			Recovery	=	93.22%	
50) Toluene-d8	8.71	98	610849	48.28	ug/l	0.00
Spiked Amount						
			Recovery	=	96.56%	
62) 4-Bromofluorobenzene	11.13	95	217843	50.01	ug/l	0.00
Spiked Amount						
			Recovery	=	100.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	76457	20.119	ug/l	100
3) Chloromethane	1.33	50	86640	18.170	ug/l	100
4) Vinyl Chloride	1.41	62	88315	18.576	ug/l	100
5) Bromomethane	1.64	94	62876	15.525	ug/l	100
6) Chloroethane	1.73	64	55536	18.630	ug/l	100
7) Trichlorofluoromethane	1.93	101	110725	18.249	ug/l	96
8) Diethyl Ether	2.19	74	61117	19.578	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	81565	20.248	ug/l	91
10) Methyl Iodide	2.51	142	99937	19.484	ug/l	97
11) Tert butyl alcohol	3.04	59	95434	94.435	ug/l	98
12) 1,1-Dichloroethene	2.37	96	75459	19.841	ug/l	93
13) Acrolein	2.29	56	57588	73.556	ug/l	100
14) Allyl chloride	2.73	41	157082	18.974	ug/l	93
15) Acrylonitrile	3.14	53	259137	96.946	ug/l	99
16) Acetone	2.44	43	255278	95.345	ug/l	96
17) Carbon Disulfide	2.57	76	229663	18.926	ug/l	100
18) Methyl Acetate	2.78	43	126420	20.395	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	268985	19.561	ug/l	100
20) Methylene Chloride	2.86	84	85444	19.138	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	78985	19.224	ug/l	91
22) Diisopropyl ether	3.85	45	315443	19.454	ug/l	# 85
23) Vinyl Acetate	3.81	43	1366596	98.306	ug/l	98
24) 1,1-Dichloroethane	3.70	63	163493	19.605	ug/l	99
25) 2-Butanone	4.67	43	384914	97.392	ug/l	99
26) 2,2-Dichloropropane	4.58	77	118772	18.906	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	89378	19.083	ug/l	90
28) Bromochloromethane	5.02	49	61400	16.397	ug/l	84
29) Tetrahydrofuran	5.13	42	244825	99.093	ug/l	98
30) Chloroform	5.21	83	151057	19.364	ug/l	99
31) Cyclohexane	5.58	56	158463	20.235	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	125578	19.352	ug/l	96
36) 1,1-Dichloropropene	5.80	75	117553	20.255	ug/l	98
37) Ethyl Acetate	4.83	43	142273	20.738	ug/l	97
38) Carbon Tetrachloride	5.78	117	105013	20.308	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	149009	21.336	ug/l	94
40) Benzene	6.14	78	353042	20.553	ug/l	99
41) Methacrylonitrile	5.04	41	80403	20.893	ug/l	96
42) 1,2-Dichloroethane	6.19	62	127128	20.203	ug/l	96
43) Isopropyl Acetate	6.44	43	223351	20.311	ug/l	97
44) Trichloroethene	7.21	130	86157	20.513	ug/l	92
45) 1,2-Dichloropropane	7.51	63	97194	20.212	ug/l	98
46) Dibromomethane	7.66	93	58570	20.117	ug/l #	85
47) Bromodichloromethane	7.90	83	111620	20.117	ug/l	99
48) Methyl methacrylate	7.77	41	117901	20.164	ug/l	94
49) 1,4-Dioxane	7.74	88	42100	408.022	ug/l	93
51) 4-Methyl-2-Pentanone	8.64	43	743117	104.529	ug/l	98
52) Toluene	8.78	92	210768	20.682	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	122448	18.543	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	137843	20.017	ug/l #	91
55) 1,1,2-Trichloroethane	9.21	97	86588	21.030	ug/l	99
56) Ethyl methacrylate	9.18	69	140564	19.784	ug/l #	92
57) 1,3-Dichloropropane	9.37	76	149831	20.571	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	302850	89.773	ug/l	94
59) 2-Hexanone	9.49	43	571279	104.377	ug/l	96
60) Dibromochloromethane	9.58	129	81212	20.524	ug/l	99
61) 1,2-Dibromoethane	9.67	107	88402	20.562	ug/l	99
64) Tetrachloroethene	9.34	164	86753	21.574	ug/l	97
65) Chlorobenzene	10.13	112	224482	20.468	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	77130	20.171	ug/l	98
67) Ethyl Benzene	10.25	91	398667	20.628	ug/l	98
68) m/p-Xylenes	10.36	106	296545	41.770	ug/l	94
69) o-Xylene	10.69	106	143761	20.839	ug/l	94
70) Styrene	10.71	104	234931	20.955	ug/l	96
71) Bromoform	10.85	173	59016	19.326	ug/l #	99
73) Isopropylbenzene	11.02	105	388937	20.432	ug/l	99
74) N-amyl acetate	10.90	43	192306	19.282	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	131109	19.208	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	135449m	22.550	ug/l	
77) Bromobenzene	11.26	156	91630	19.909	ug/l	85
78) n-propylbenzene	11.36	91	456972	20.669	ug/l	96
79) 2-Chlorotoluene	11.42	91	267266	20.140	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	322577	20.512	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	39730	17.814	ug/l	89
82) 4-Chlorotoluene	11.51	91	307943	19.942	ug/l	95
83) tert-Butylbenzene	11.77	119	302345	20.137	ug/l	92
84) 1,2,4-Trimethylbenzene	11.80	105	328150	20.582	ug/l	97
85) sec-Butylbenzene	11.94	105	386818	20.804	ug/l	97
86) p-Isopropyltoluene	12.06	119	334482	20.782	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	164978	20.057	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	165112	19.407	ug/l	96
89) n-Butylbenzene	12.38	91	305992	20.256	ug/l	96
90) Hexachloroethane	12.60	117	56000	20.430	ug/l	83
91) 1,2-Dichlorobenzene	12.39	146	165534	19.960	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	28599	18.864	ug/l	80

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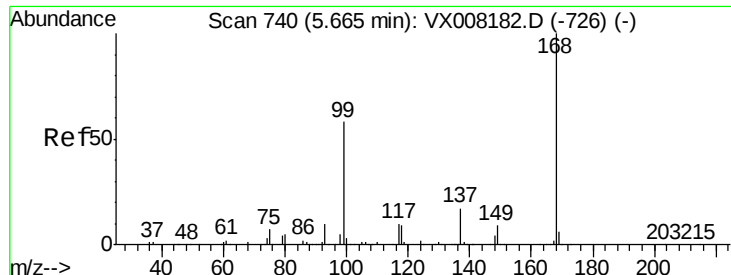
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	109512	20.047	ug/l	98
94) Hexachlorobutadiene	13.78	225	56840	21.334	ug/l	99
95) Naphthalene	13.83	128	342850	19.885	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	108130	20.116	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS01

Tot Ion:168 Resp: 313441

Ion Ratio Lower Upper

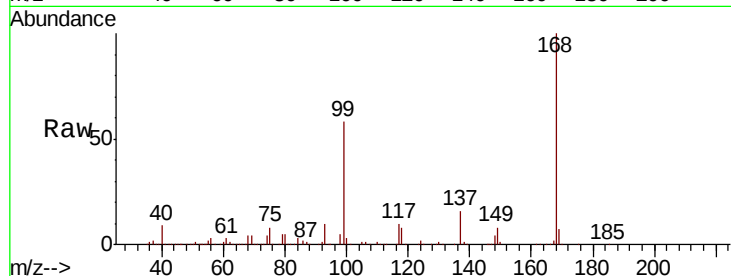
168 100

99 58.2 37.6 56.4#

Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

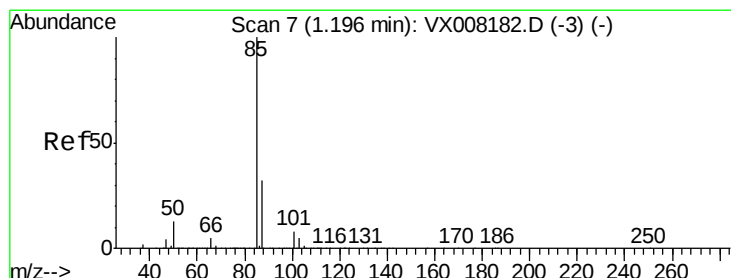
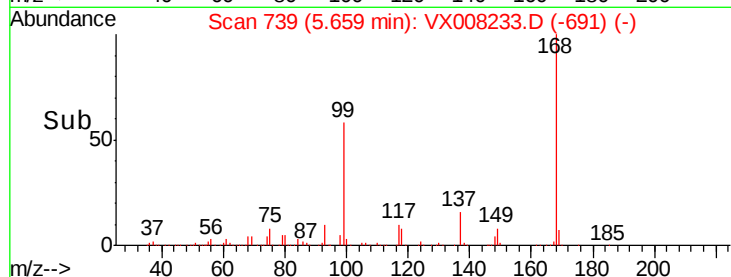
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.119 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX008233.D

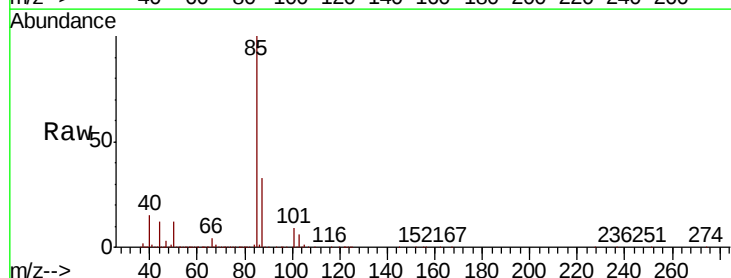
Acq: 20 Mar 2019 11:31

Tgt Ion: 85 Resp: 76457

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

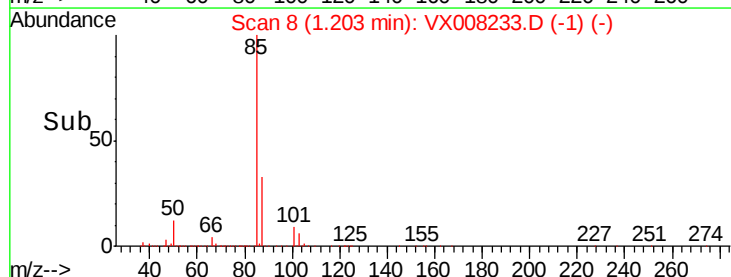
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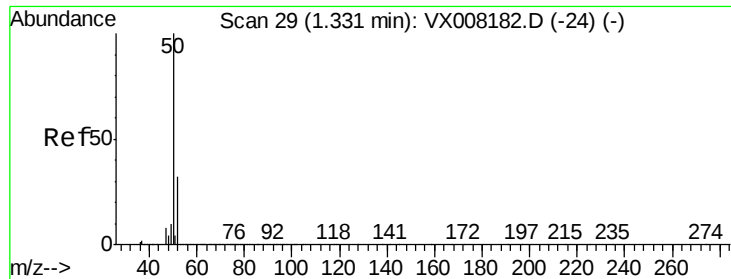
40000

20000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 18.170 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS01

Tot Ion: 50 Resp: 86640

Ion Ratio Lower Upper

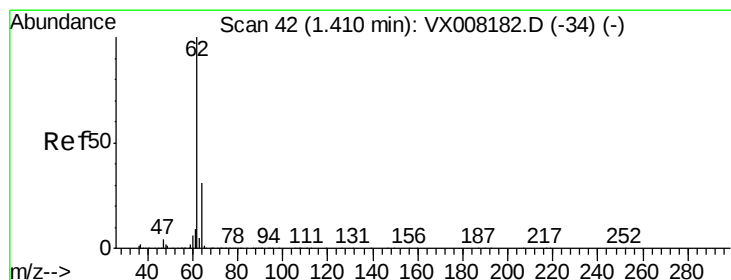
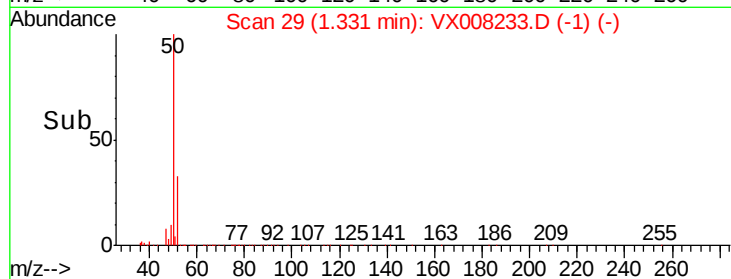
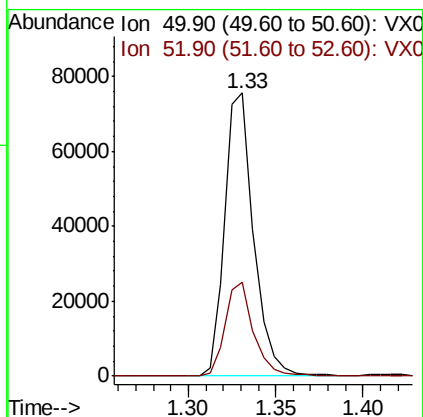
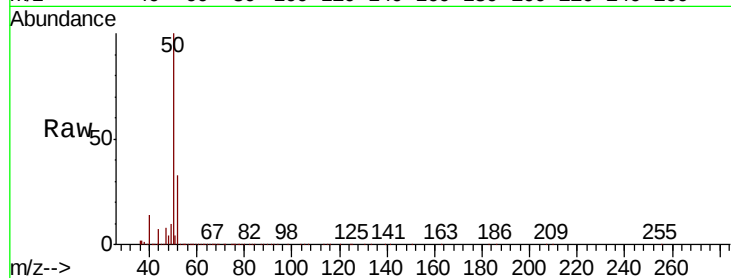
50 100

52 32.9 26.5 39.7

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#4

Vinyl Chloride

Concen: 18.576 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008233.D

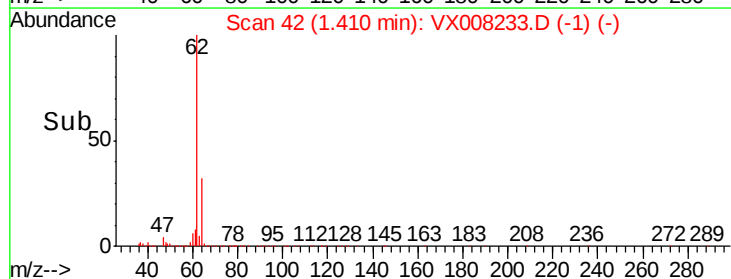
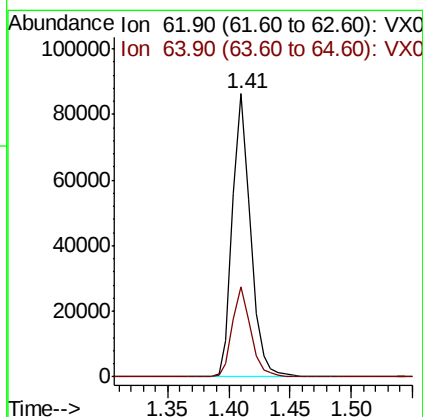
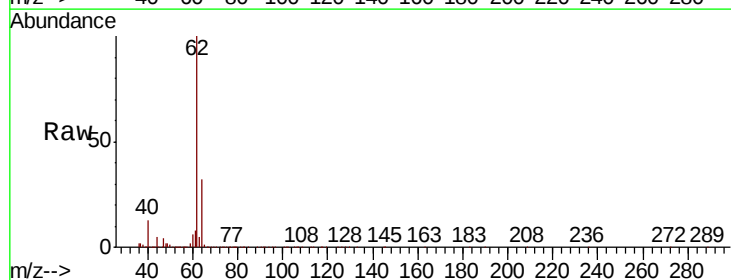
Acq: 20 Mar 2019 11:31

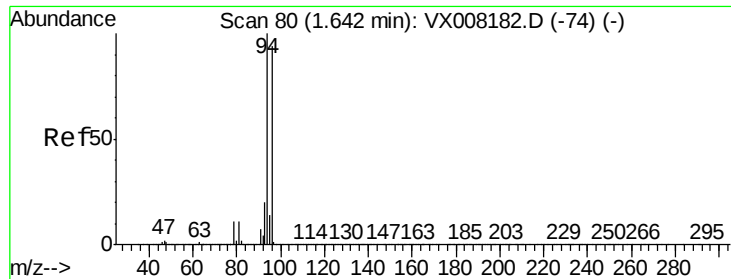
Tgt Ion: 62 Resp: 88315

Ion Ratio Lower Upper

62 100

64 31.5 25.3 37.9





#5

Bromomethane

Concen: 15.525 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS01

Tot Ion: 94 Resp: 62876

Ion Ratio Lower Upper

94 100

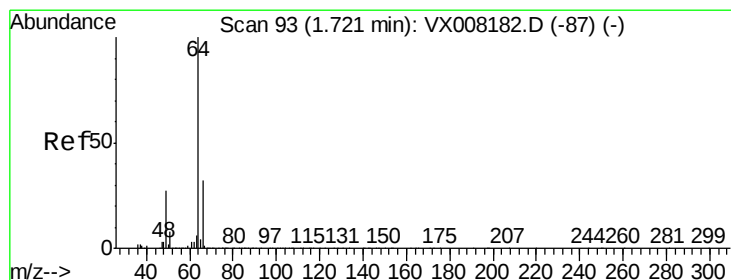
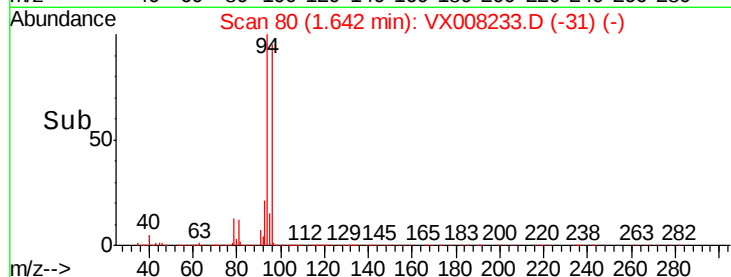
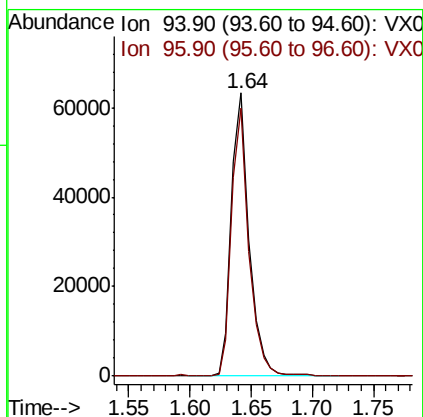
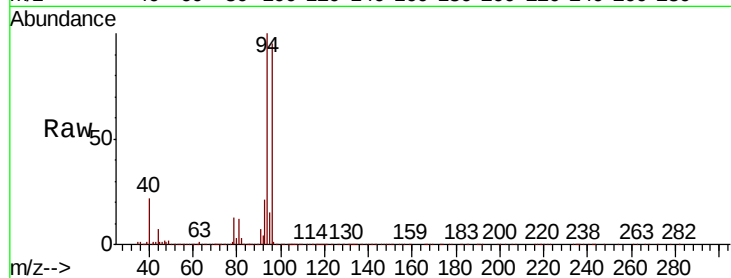
96 94.8 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 18.630 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008233.D

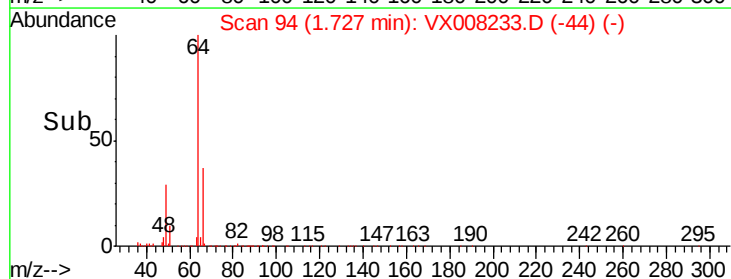
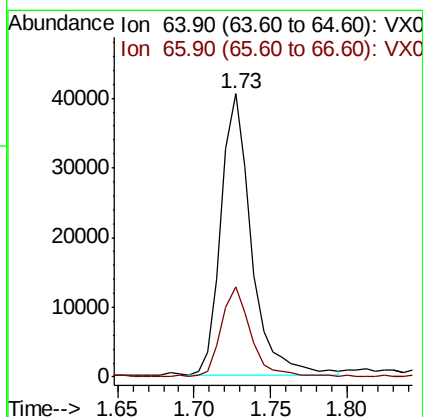
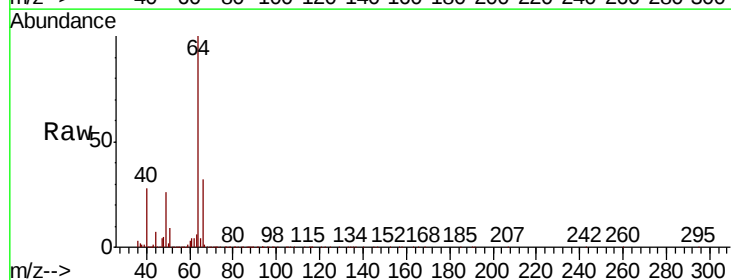
Acq: 20 Mar 2019 11:31

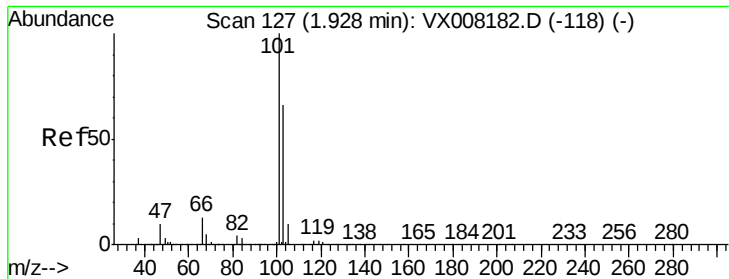
Tgt Ion: 64 Resp: 55536

Ion Ratio Lower Upper

64 100

66 31.6 25.2 37.8





#7

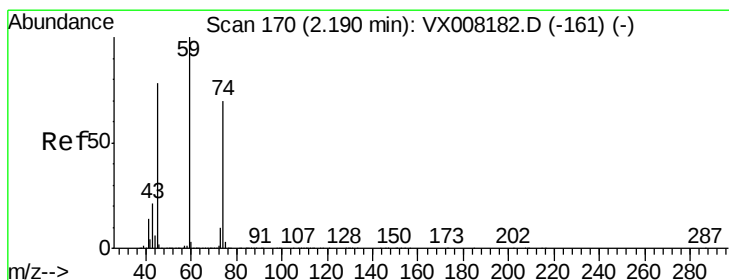
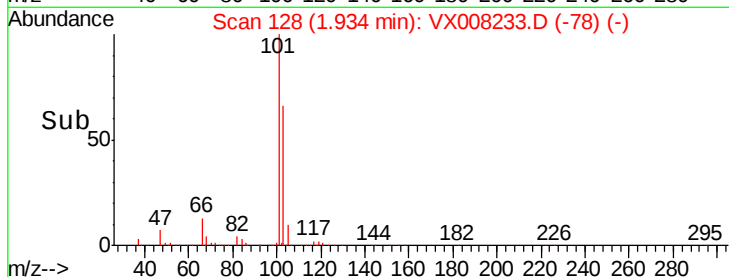
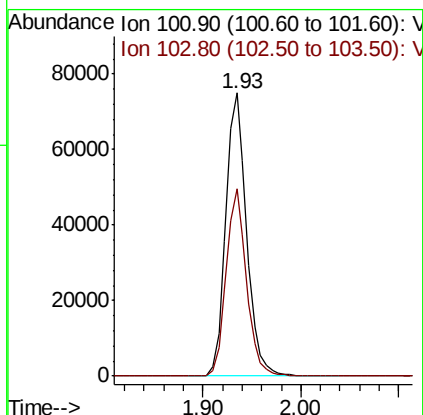
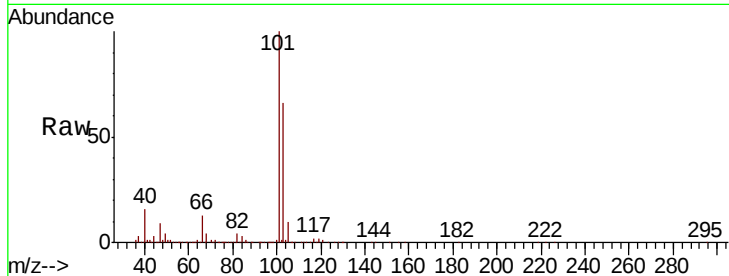
Trichlorofluoromethane
 Concen: 18.249 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.01 min
 Lab File: VX008233.D
 Acq: 20 Mar 2019 11:31

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	50.4	75.6

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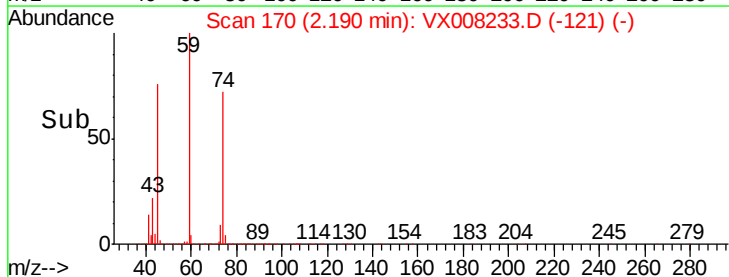
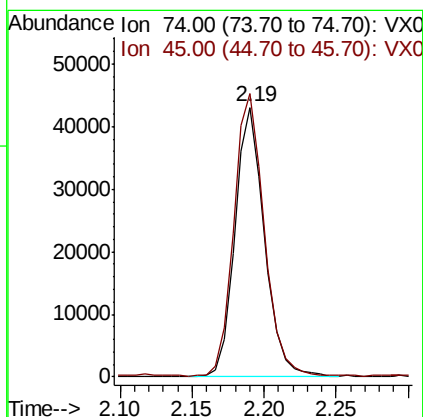
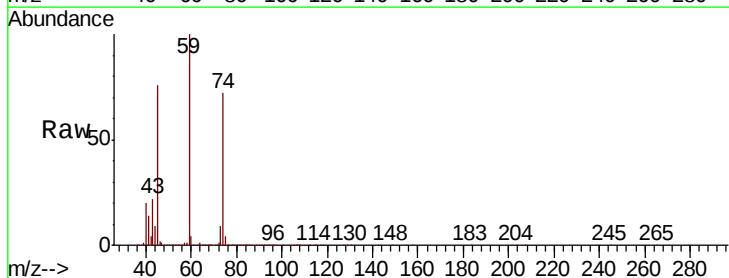
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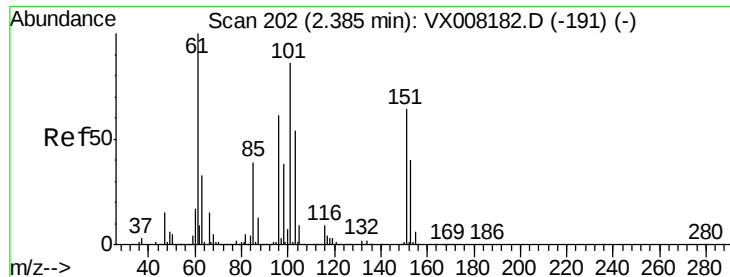


#8

Diethyl Ether
 Concen: 19.578 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX008233.D
 Acq: 20 Mar 2019 11:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.1	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.248 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Instrument :

MSVOA_X

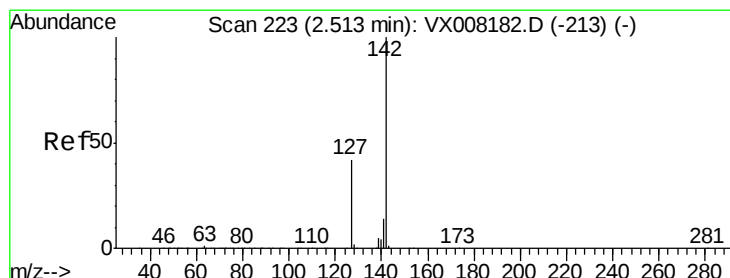
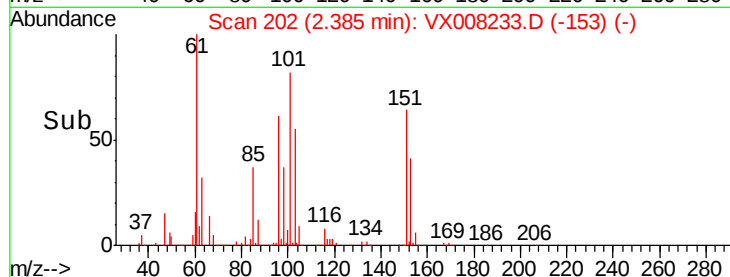
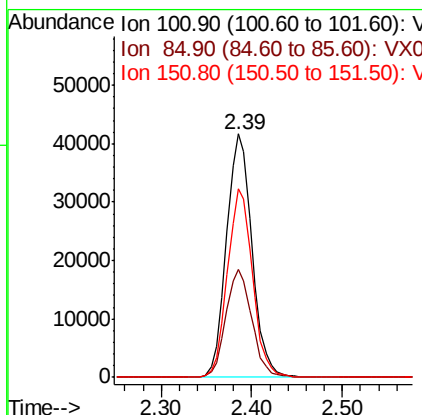
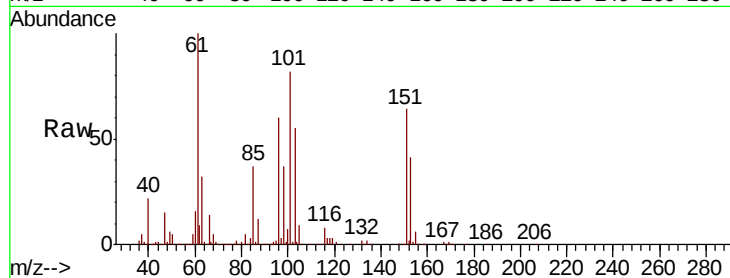
ClientSampleId :

VX0320WBS01

Tot Ion:	101	Resp:	81565
Ion Ratio	Lower	Upper	
101	100		
85	45.1	33.8	50.6
151	76.0	69.1	103.7

Manual Integrations
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MMDadoda
3/22/2019 2:50:38 PM



#10

Methyl Iodide

Concen: 19.484 ug/l

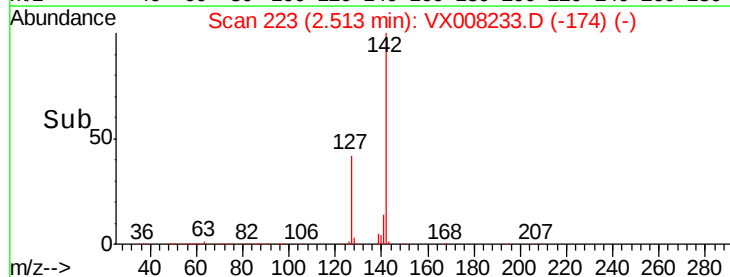
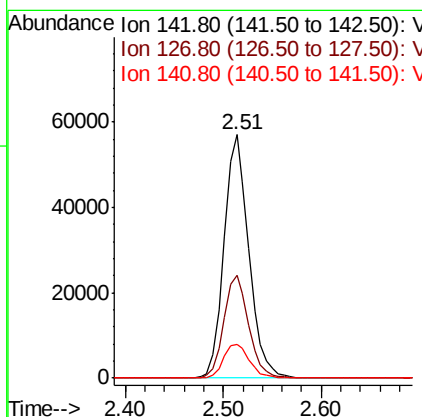
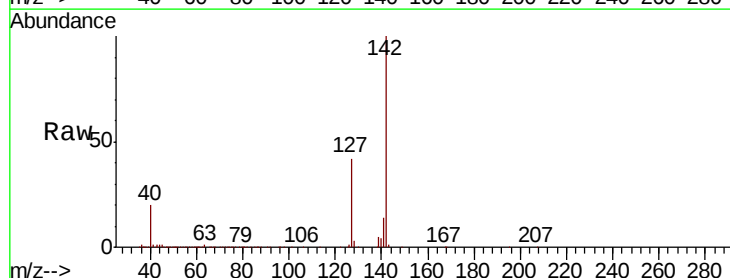
RT: 2.51 min Scan# 223

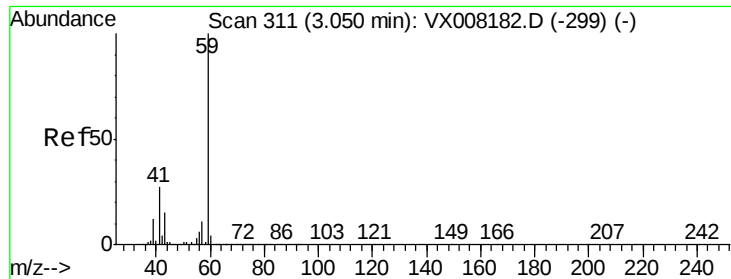
Delta R.T. 0.00 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Tgt Ion:	142	Resp:	99937
Ion Ratio	Lower	Upper	
142	100		
127	42.4	32.1	48.1
141	14.7	11.4	17.2





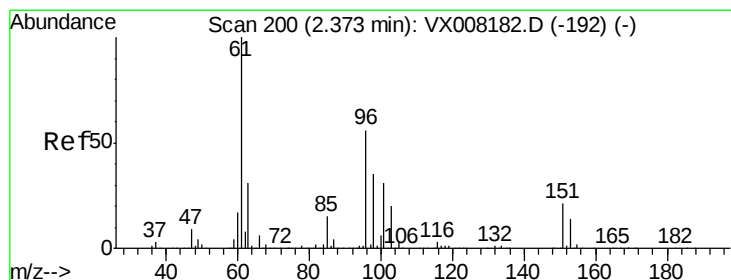
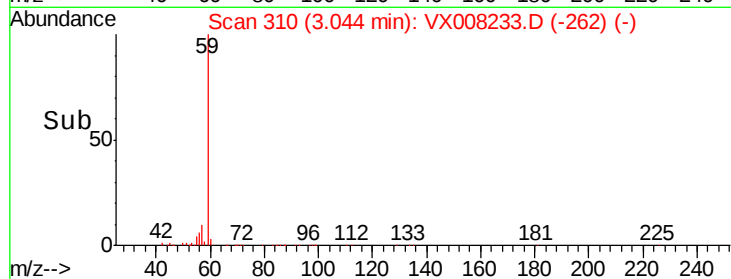
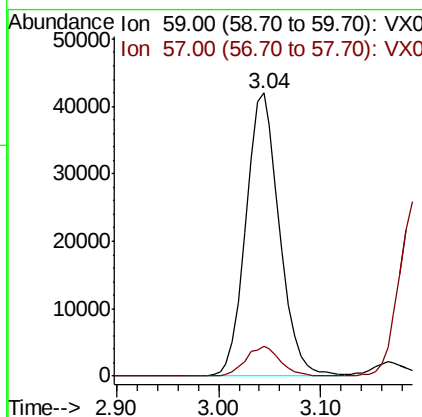
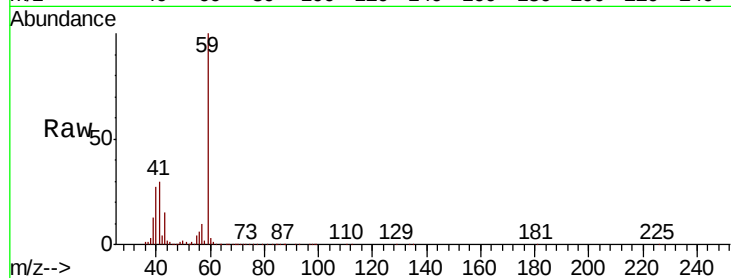
#11
Tert butyl alcohol
Concen: 94.435 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tot Ion: 59 Resp: 95434
Ion Ratio Lower Upper
59 100
57 11.0 8.2 12.2

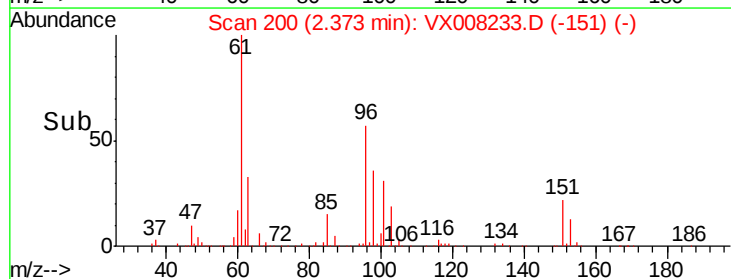
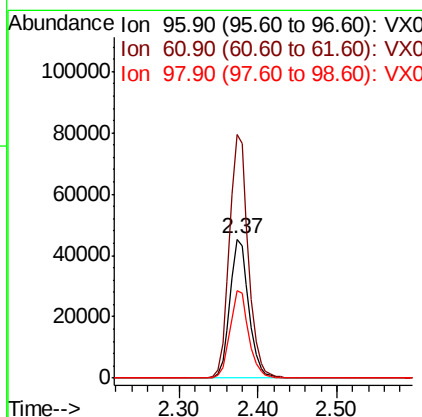
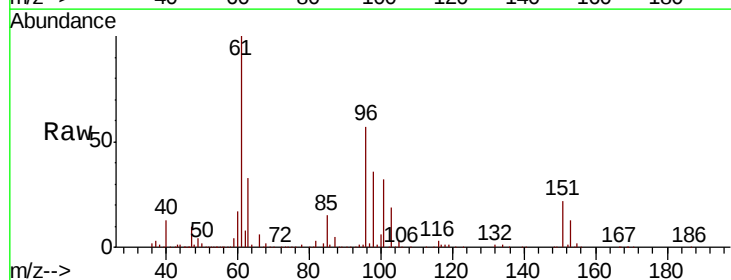
Manual Integrations
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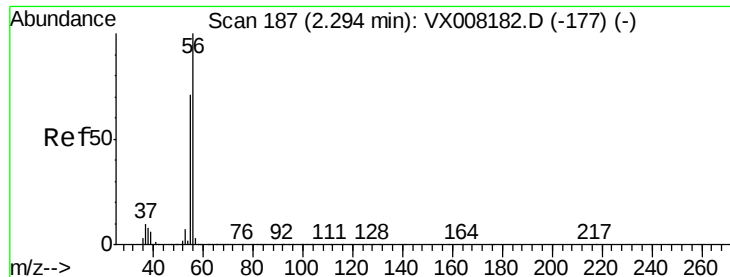
MMDadoda
3/22/2019 2:50:38 PM



#12
1,1-Dichloroethene
Concen: 19.841 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

Tgt Ion: 96 Resp: 75459
Ion Ratio Lower Upper
96 100
61 174.7 129.8 194.6
98 62.9 51.0 76.6





#13

Acrolein

Concen: 73.556 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS01

Tot Ion: 56 Resp: 57588

Ion Ratio Lower Upper

56 100

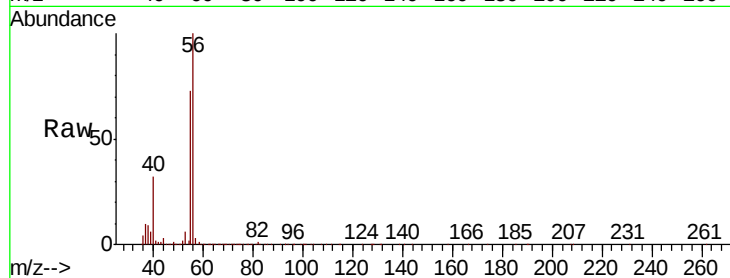
55 72.4 57.8 86.6

Manual Integrations

APPROVED

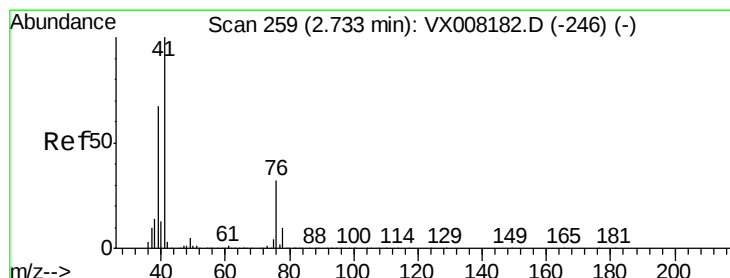
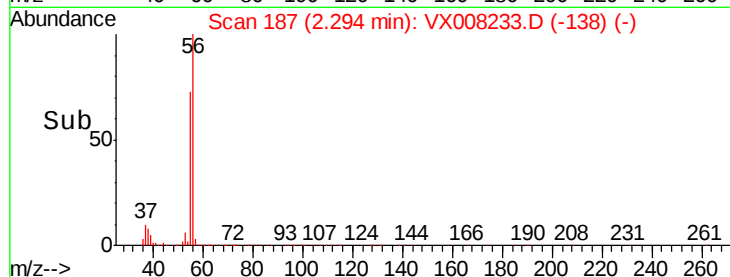
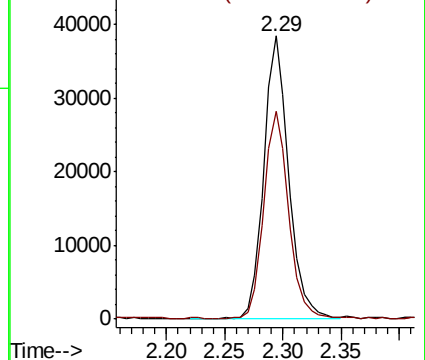
MMDadoda

3/22/2019 2:50:38 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.974 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.00 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

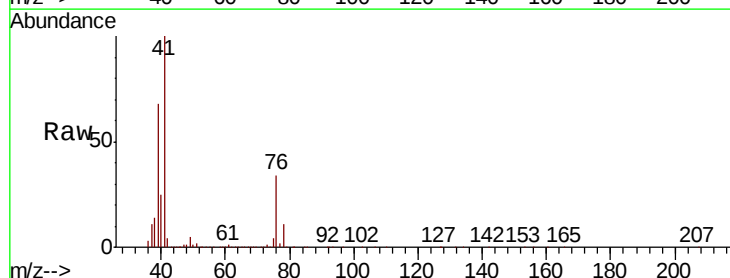
Tgt Ion: 41 Resp: 157082

Ion Ratio Lower Upper

41 100

39 65.7 46.1 69.1

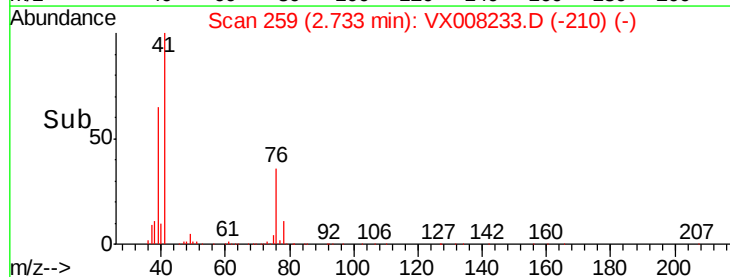
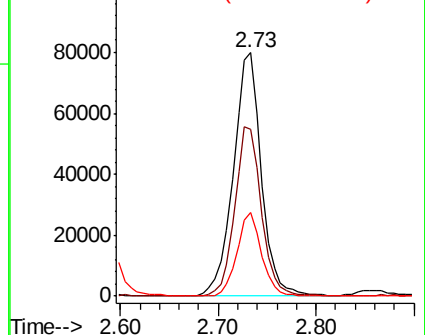
76 29.8 24.0 36.0

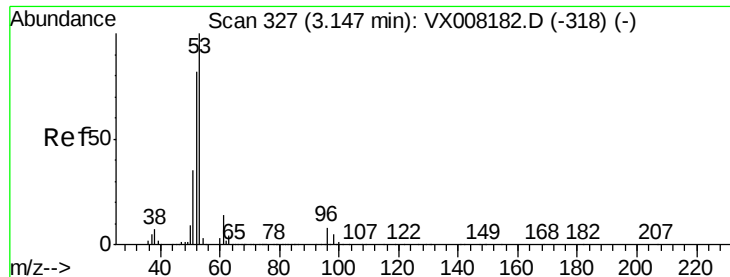


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 96.946 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Instrument :

MSVOA_X

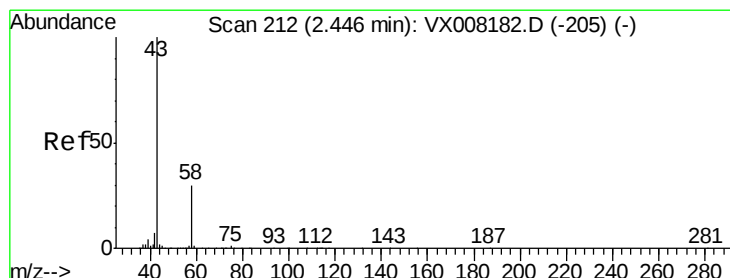
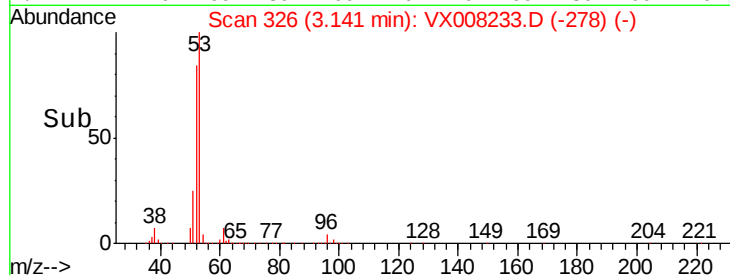
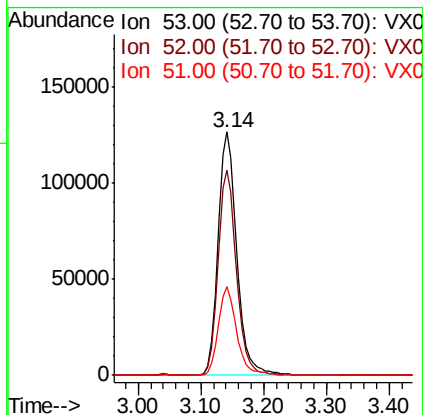
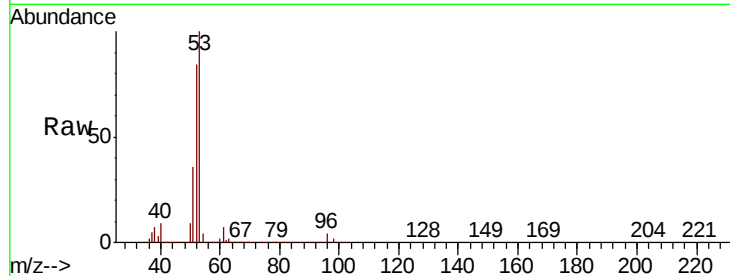
ClientSampleId :

VX0320WBS01

Tot Ion:	53	Resp:	259137
Ion Ratio		Lower	Upper
53	100		
52	83.3	66.0	99.0
51	36.0	28.0	42.0

Manual Integrations
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3/22/2019 2:50:38 PM



#16

Acetone

Concen: 95.345 ug/l

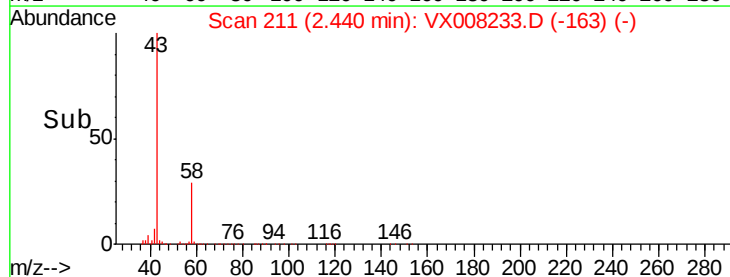
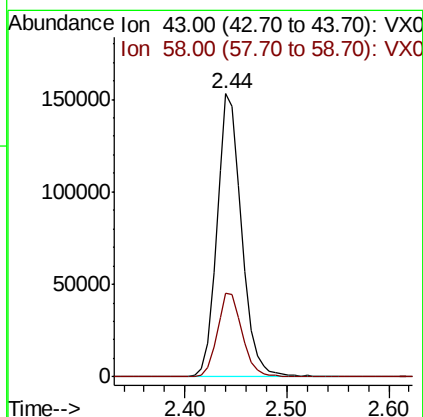
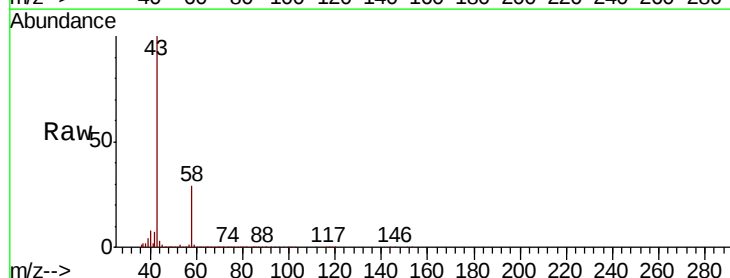
RT: 2.44 min Scan# 211

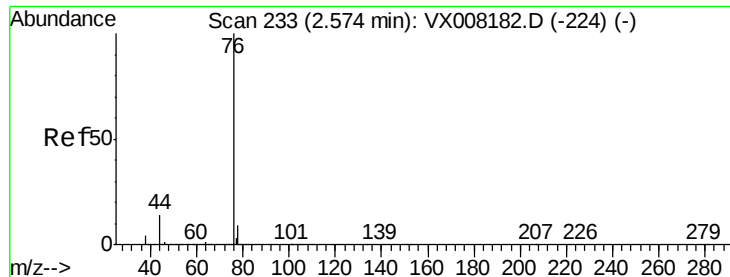
Delta R.T. -0.01 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Tgt Ion:	43	Resp:	255278
Ion Ratio		Lower	Upper
43	100		
58	29.4	25.5	38.3





#17

Carbon Disulfide

Concen: 18.926 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS01

Tot Ion: 76 Resp: 229663

Ion Ratio Lower Upper

76 100

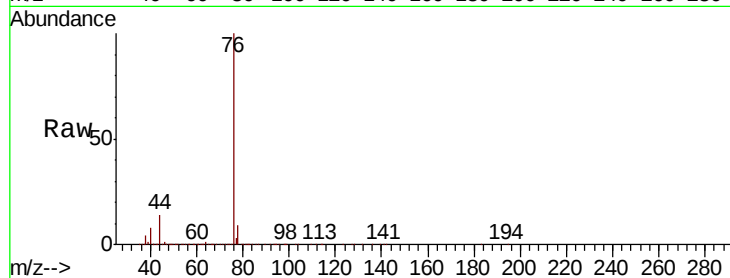
78 9.0 7.2 10.8

Manual Integrations

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MMDadoda

3/22/2019 2:50:38 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

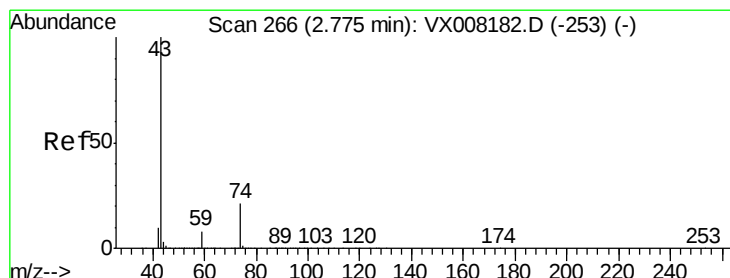
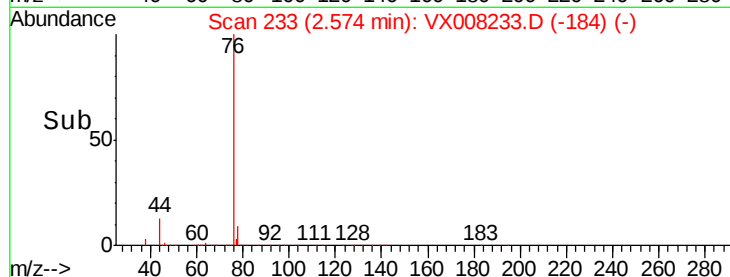
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 20.395 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX008233.D

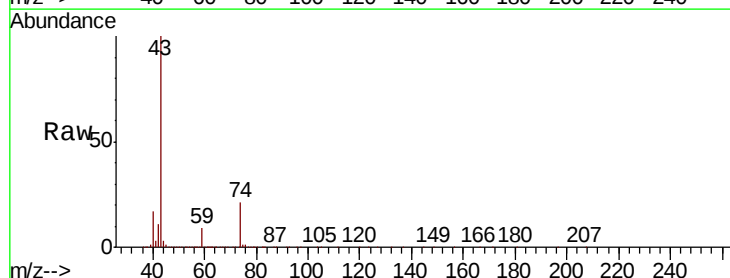
Acq: 20 Mar 2019 11:31

Tgt Ion: 43 Resp: 126420

Ion Ratio Lower Upper

43 100

74 20.6 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

80000

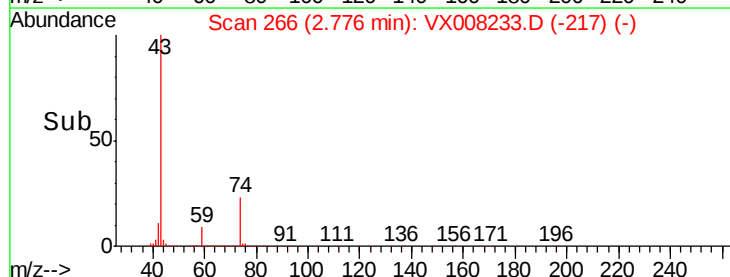
60000

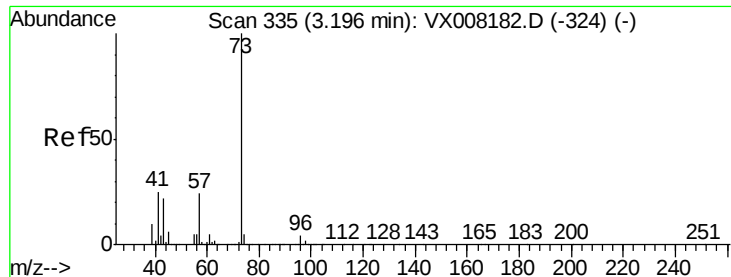
40000

20000

0

Time-->





#19

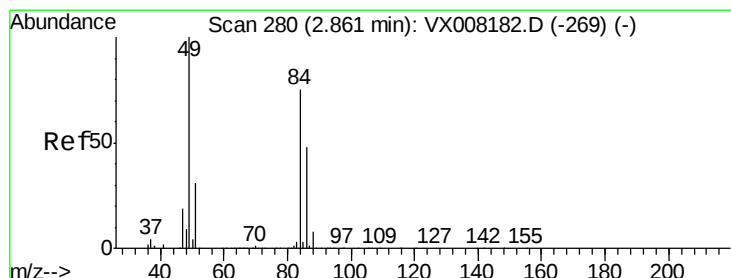
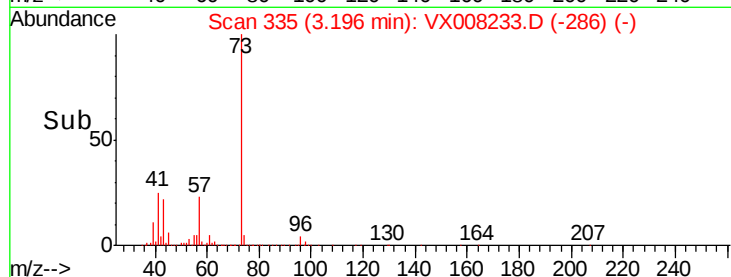
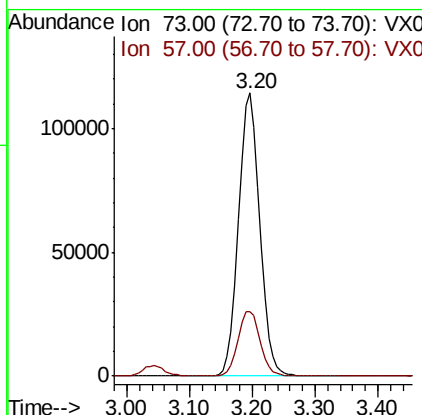
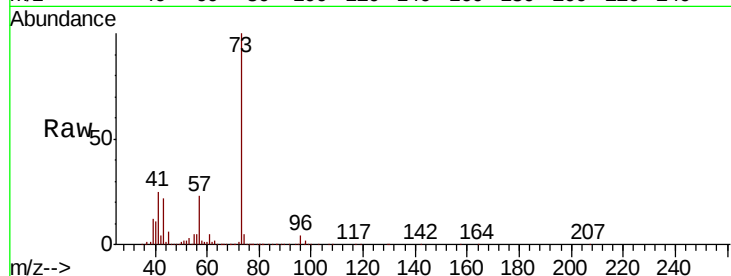
Methyl tert-butyl Ether
 Concen: 19.561 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX008233.D
 Acq: 20 Mar 2019 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.2	27.4

Manual Integrations
 APPROVED

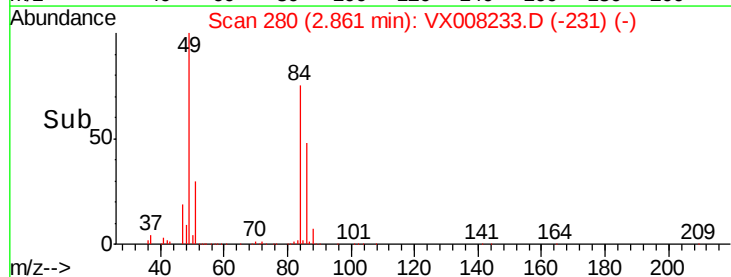
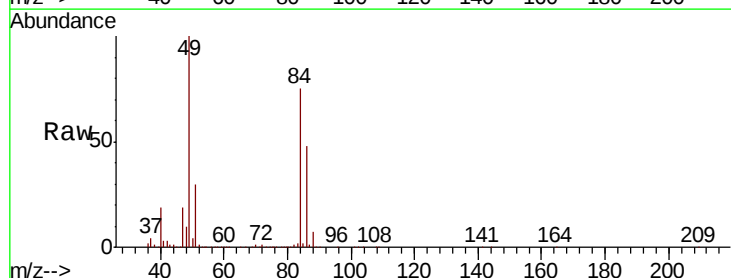
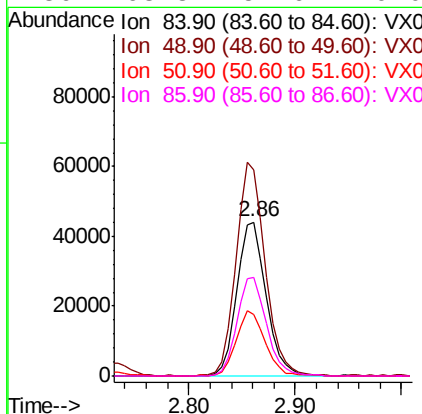
MMDadoda
 3/22/2019 2:50:38 PM

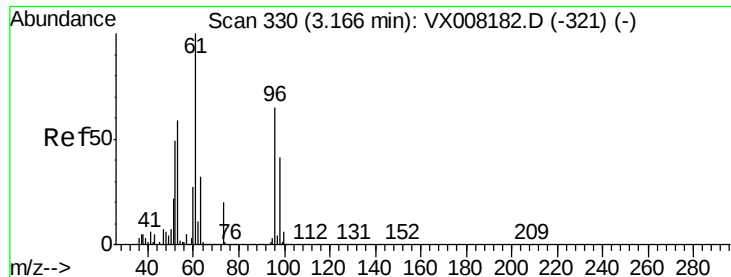


#20

Methylene Chloride
 Concen: 19.138 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX008233.D
 Acq: 20 Mar 2019 11:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.7	99.3	148.9
51	40.1	31.3	46.9
86	63.8	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 19.224 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Instrument :

MSVOA_X

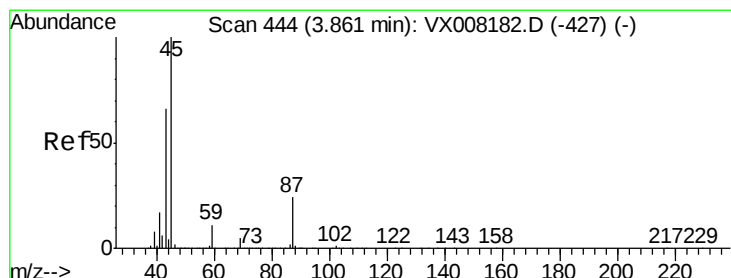
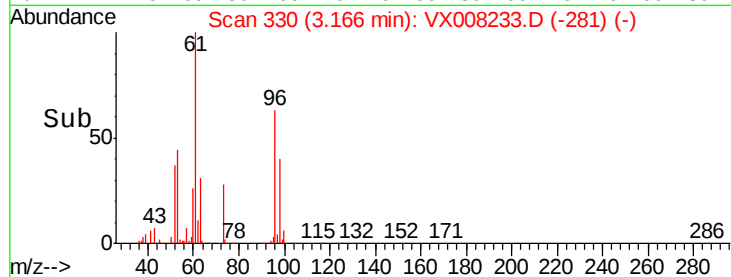
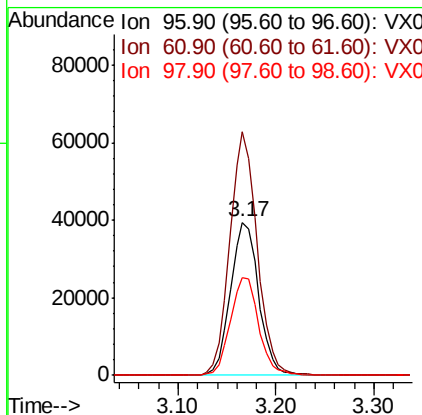
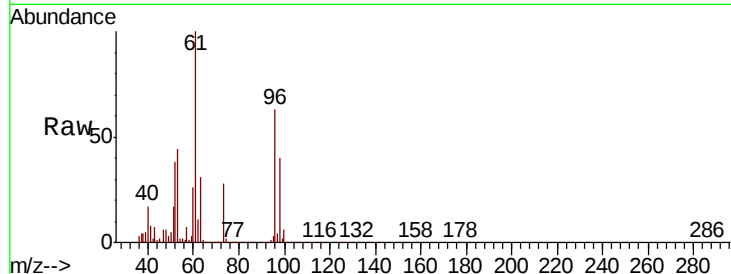
ClientSampleId :

VX0320WBS01

Tot Ion:	96	Resp:	78985
Ion	Ratio	Lower	Upper
96	100		
61	159.1	114.4	171.6
98	64.3	51.1	76.7

Manual Integrations
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3/22/2019 2:50:38 PM



#22

Diisopropyl ether

Concen: 19.454 ug/l

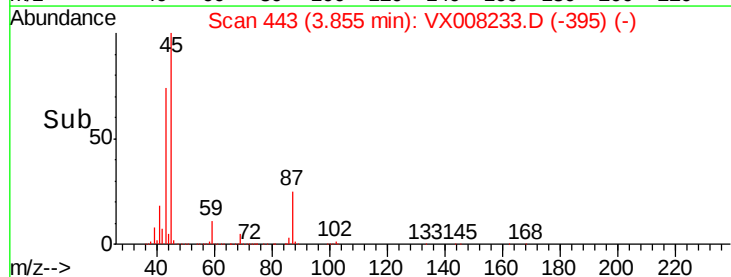
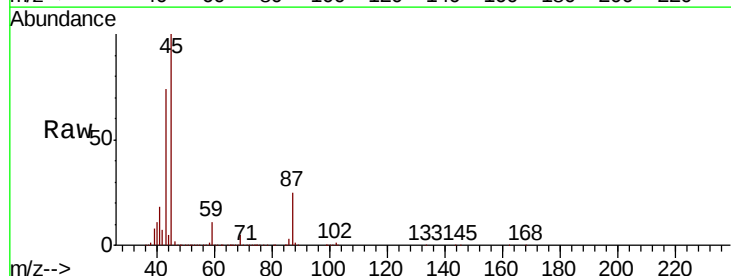
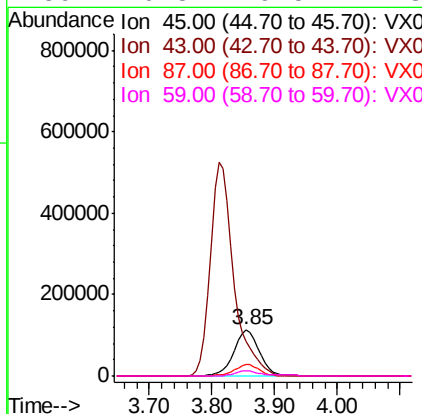
RT: 3.85 min Scan# 443

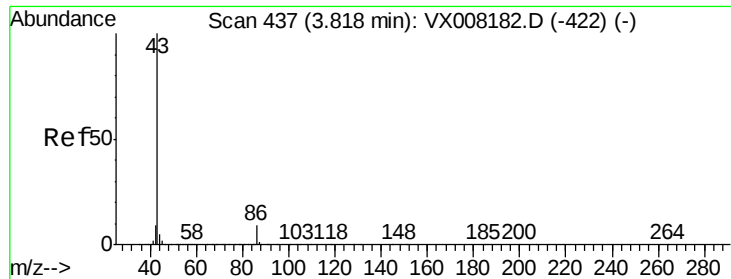
Delta R.T. -0.01 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Tgt Ion:	45	Resp:	315443
Ion	Ratio	Lower	Upper
45	100		
43	73.1	45.3	67.9#
87	24.7	21.4	32.0
59	10.8	9.5	14.3





#23

Vinyl Acetate

Concen: 98.306 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS01

Tot Ion: 43 Resp: 1366596

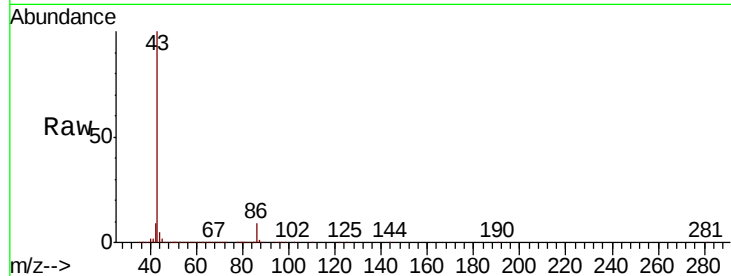
Ion Ratio Lower Upper

43 100

86 9.1 7.9 11.9

Manual Integrations
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3/22/2019 2:50:38 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

600000

500000

400000

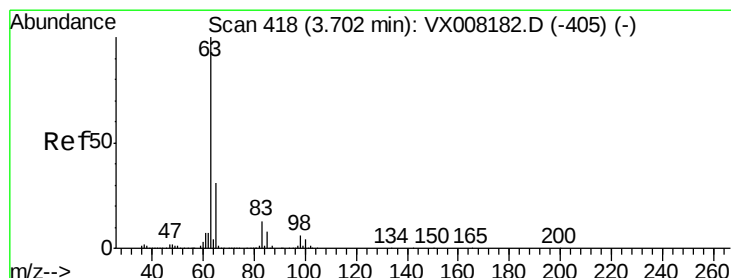
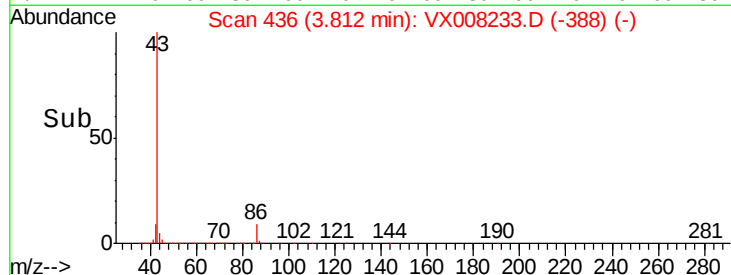
300000

200000

100000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 19.605 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.01 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

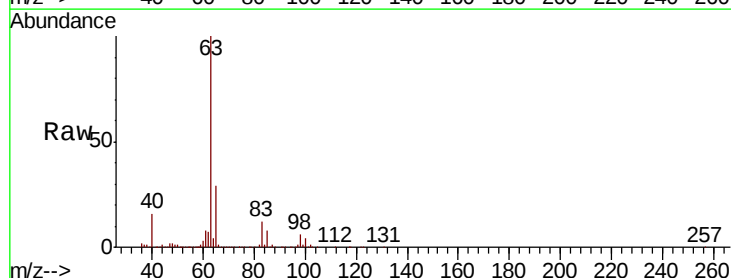
Tgt Ion: 63 Resp: 163493

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.8

100 4.0 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

80000

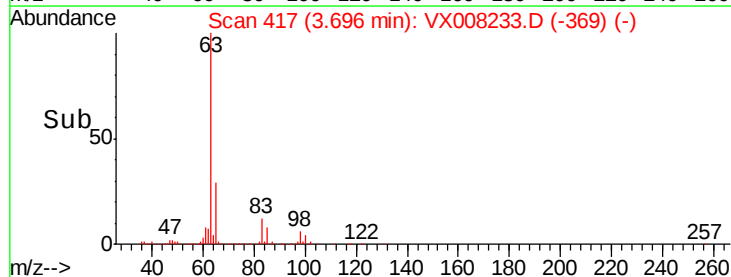
60000

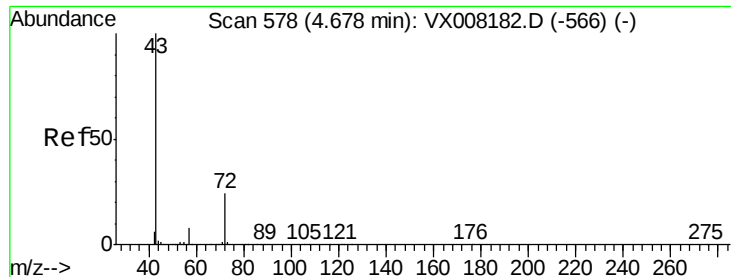
40000

20000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 97.392 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS01

Tot Ion: 43 Resp: 384914

Ion Ratio Lower Upper

43 100

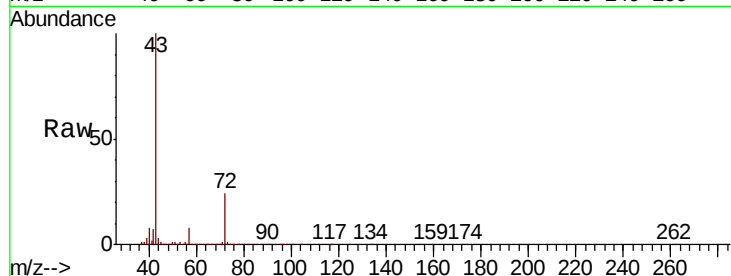
72 24.2 19.9 29.9

Manual Integrations

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3/22/2019 2:50:38 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

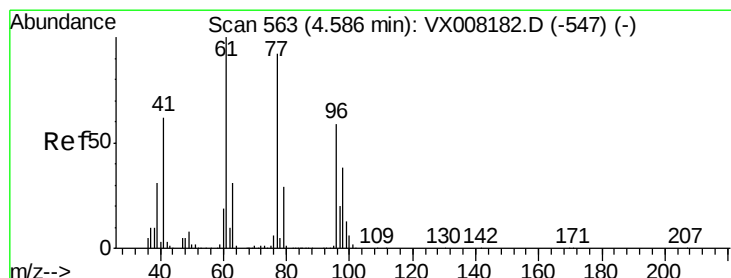
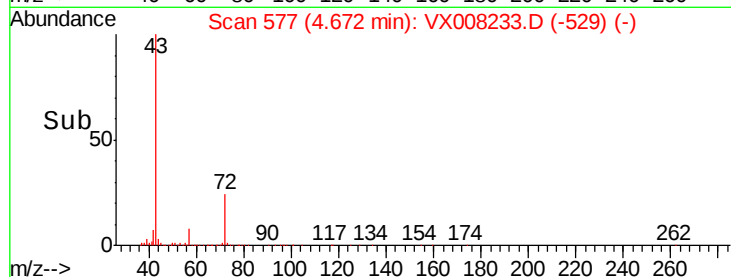
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 18.906 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008233.D

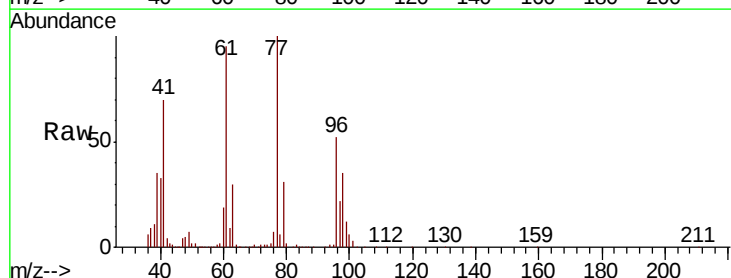
Acq: 20 Mar 2019 11:31

Tgt Ion: 77 Resp: 118772

Ion Ratio Lower Upper

77 100

97 22.4 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

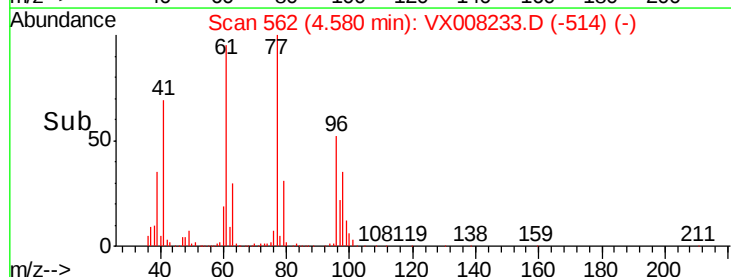
20000

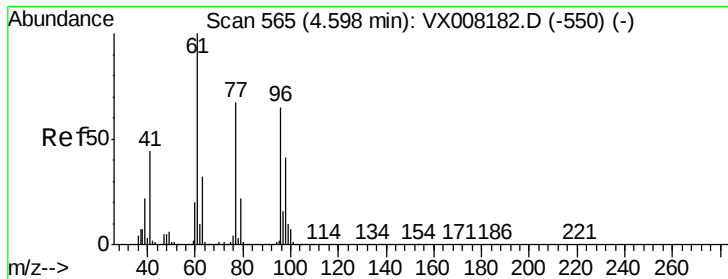
10000

0

4.50 4.60 4.70

Time-->





#27

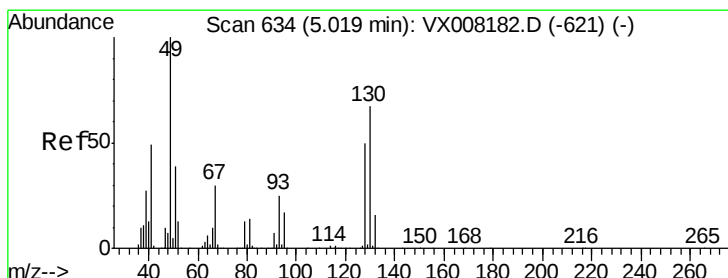
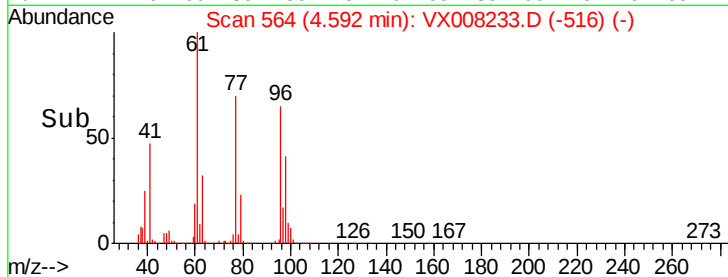
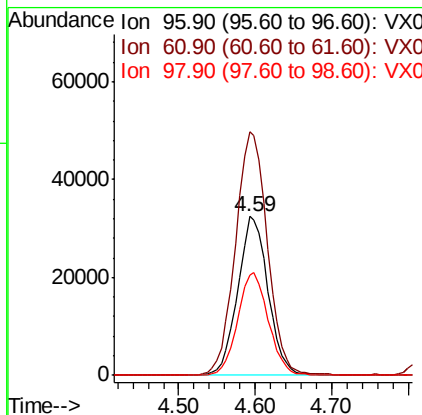
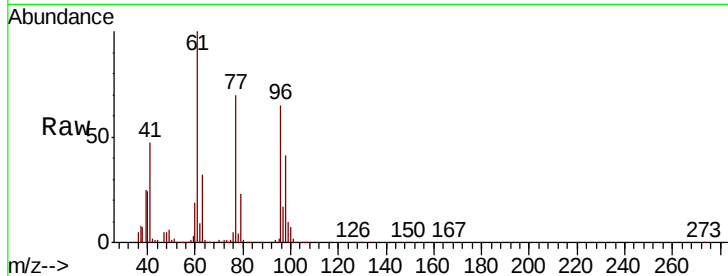
cis-1,2-Dichloroethene
Concen: 19.083 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	161.6	0.0	288.0	
98	65.6	0.0	129.0	

Manual Integrations
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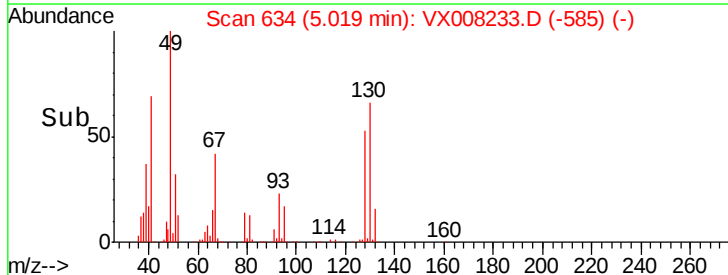
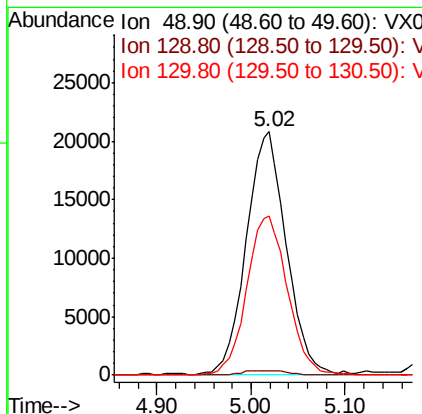
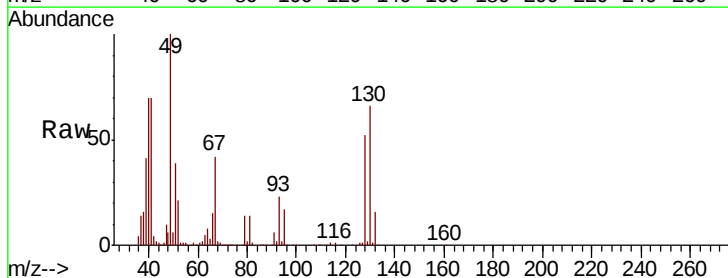
MMDadoda
3/22/2019 2:50:38 PM

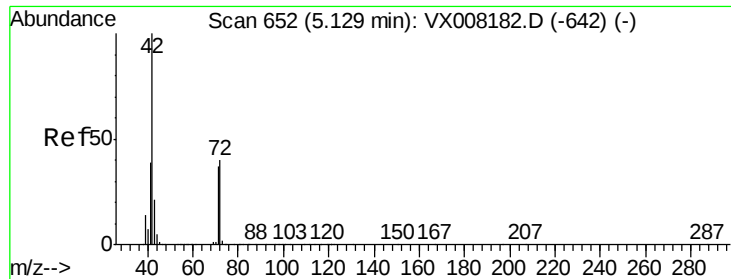


#28

Bromochloromethane
Concen: 16.397 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.0	0.0	4.0	
130	67.0	65.0	97.4	





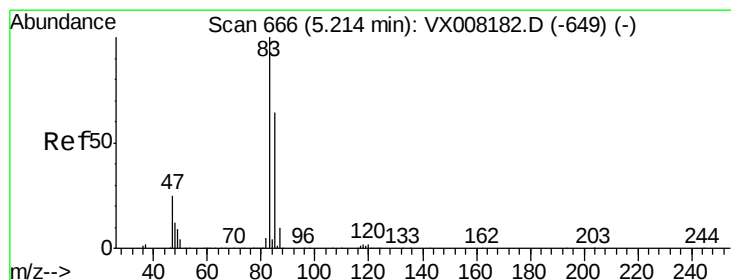
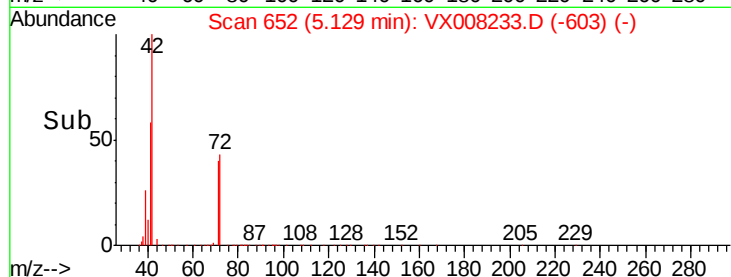
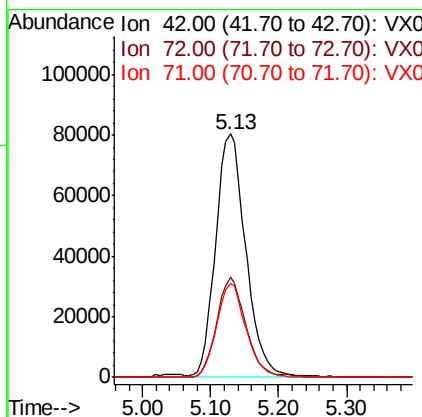
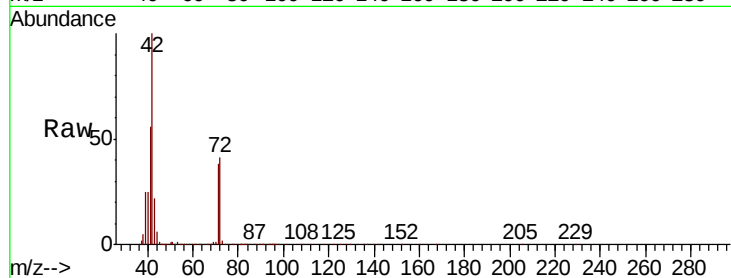
#29
Tetrahydrofuran
Concen: 99.093 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	33.8	50.6
71	38.0	31.5	47.3

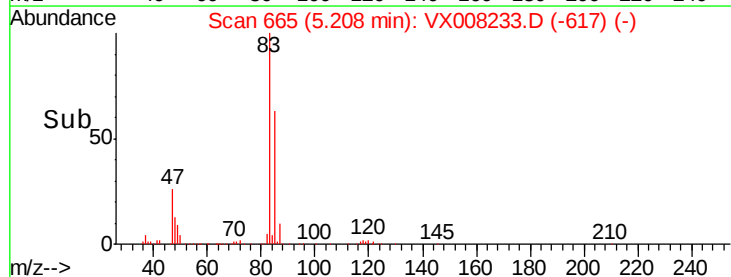
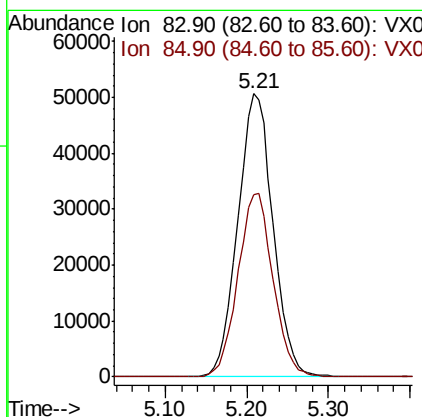
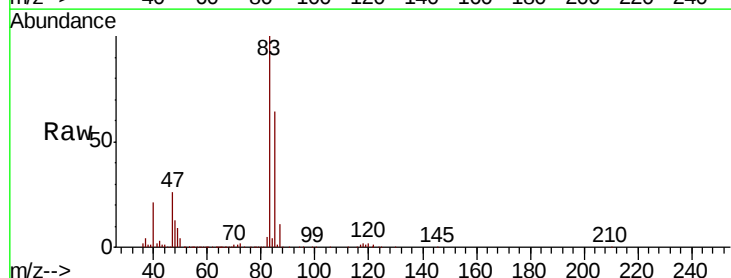
Manual Integrations
APPROVED

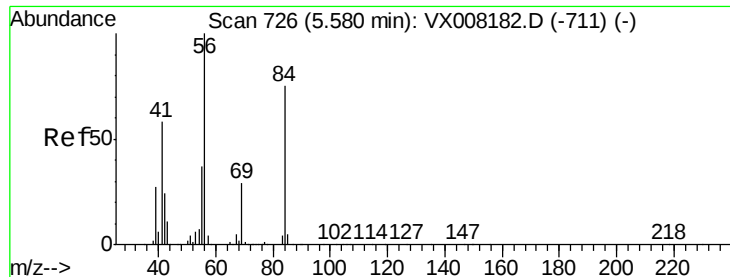
MMDadoda
3/22/2019 2:50:38 PM



#30
Chloroform
Concen: 19.364 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.8	77.6





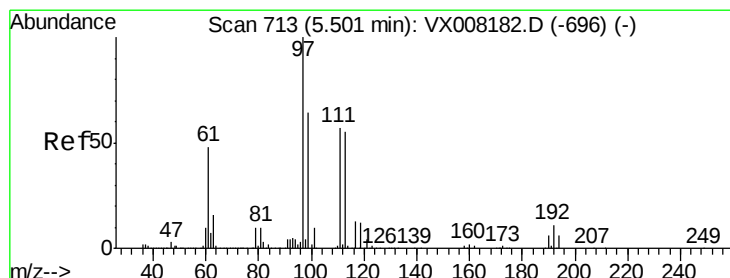
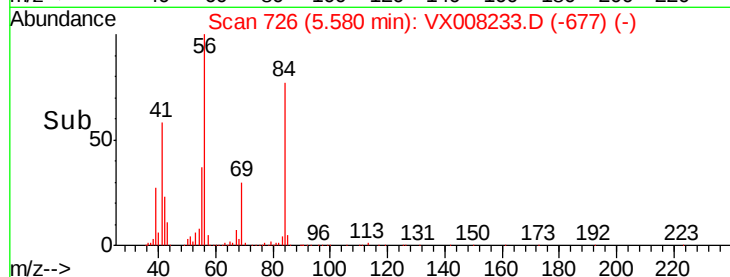
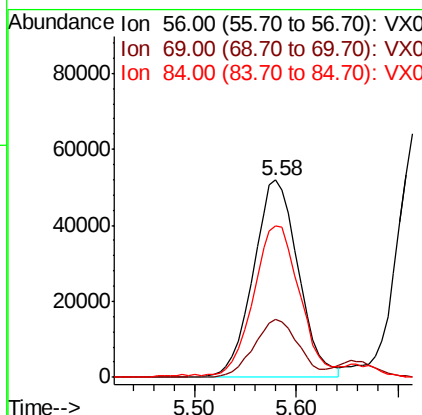
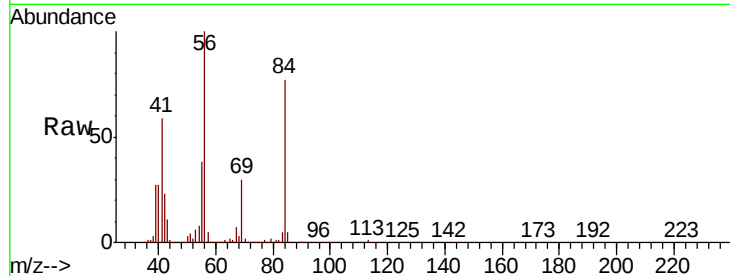
#31
Cyclohexane
Concen: 20.235 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	24.0	36.0
84	75.5	65.3	97.9

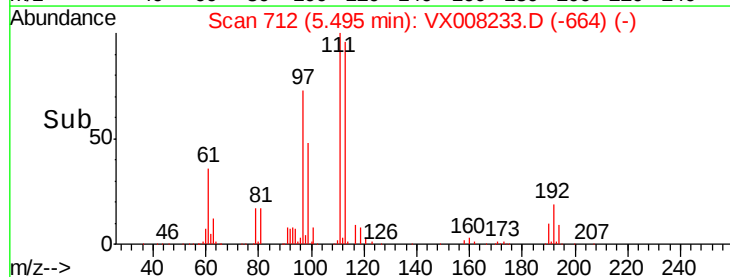
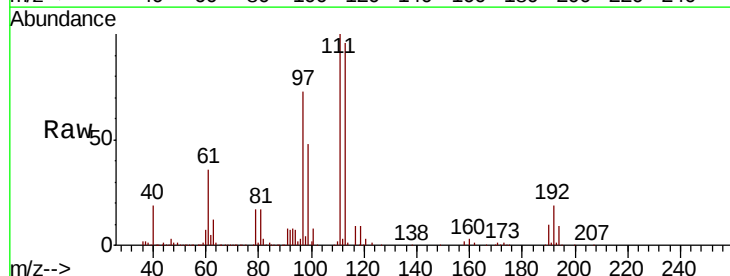
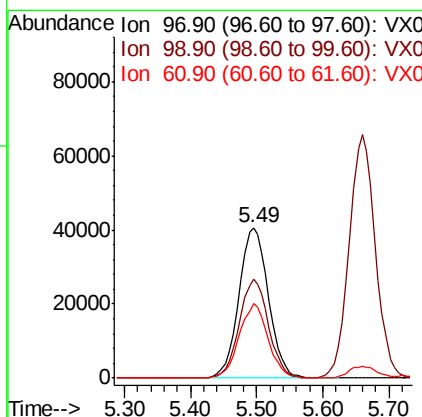
Manual Integrations
APPROVED

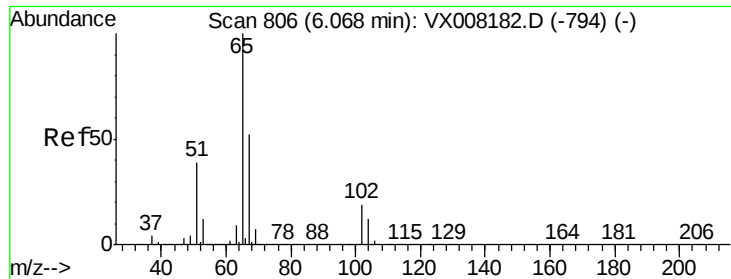
MMDadoda
3/22/2019 2:50:38 PM



#32
1,1,1-Trichloroethane
Concen: 19.352 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.2	78.2
61	48.9	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 44.073 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS01

Tot Ion: 65 Resp: 208055

Ion Ratio Lower Upper

65 100

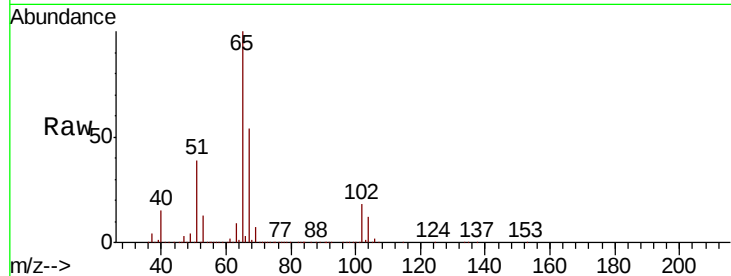
67 53.3 0.0 110.0

Manual Integrations

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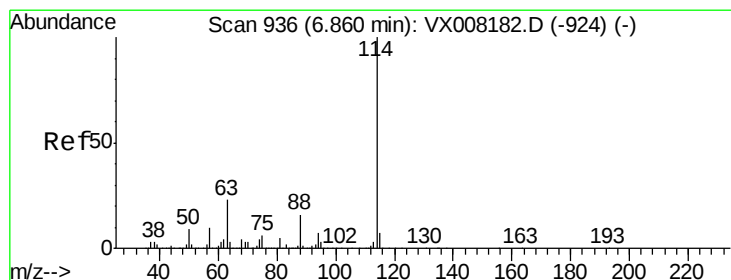
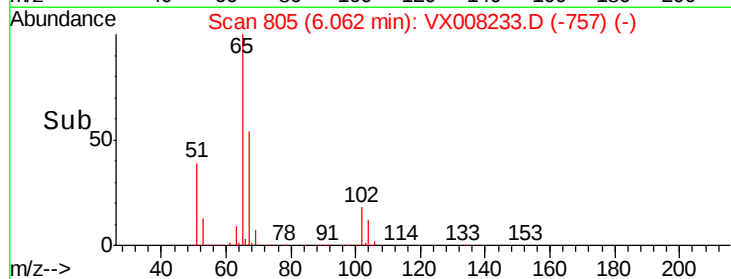
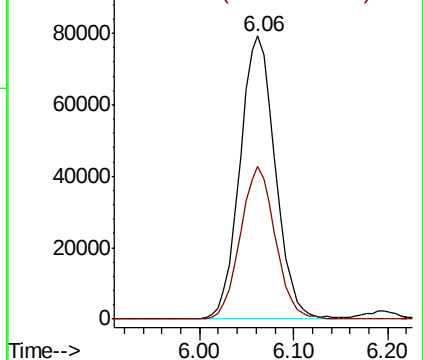
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

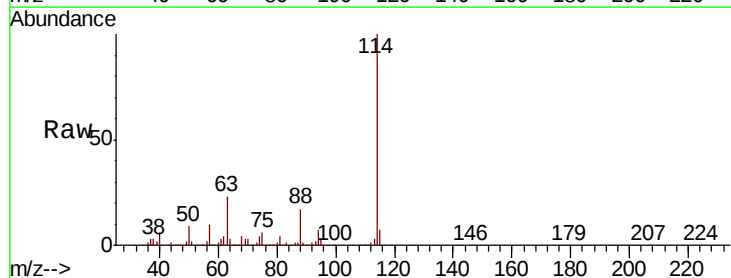
Tgt Ion: 114 Resp: 498480

Ion Ratio Lower Upper

114 100

63 22.8 0.0 39.8

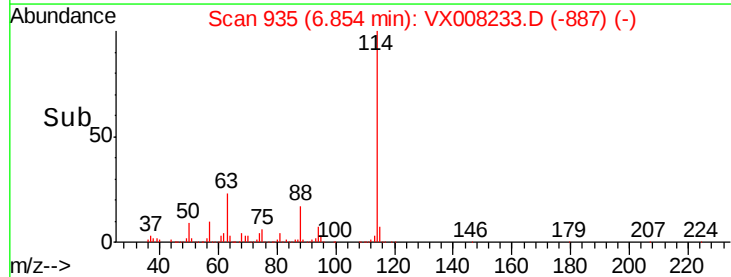
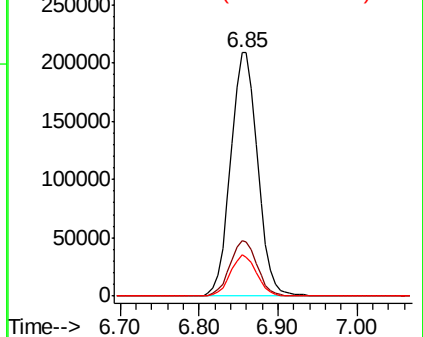
88 17.1 0.0 31.4

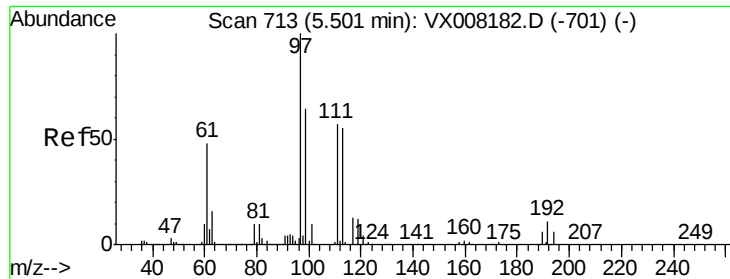


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.609 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Instrument :

MSVOA_X

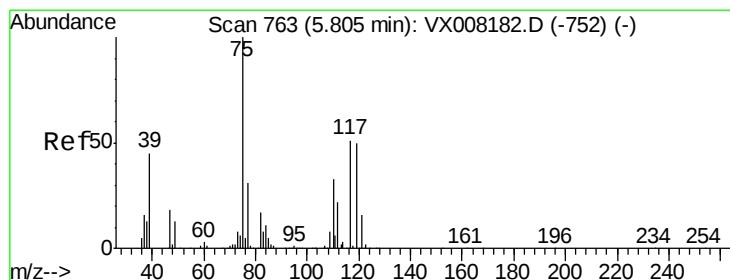
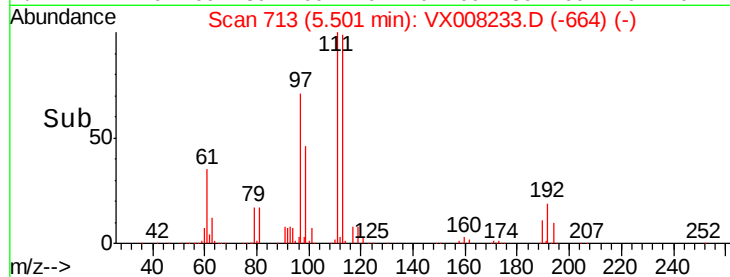
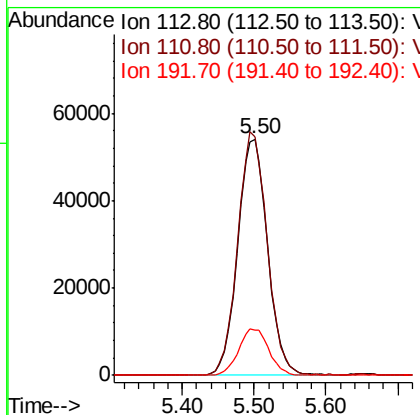
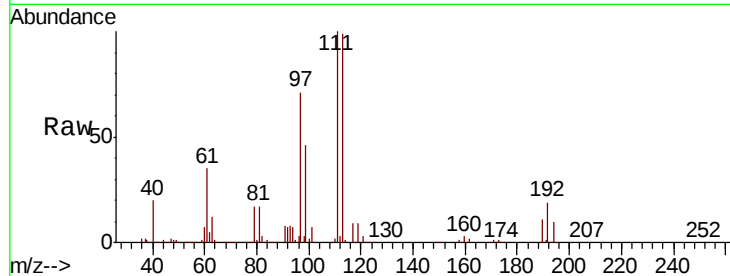
ClientSampleId :

VX0320WBS01

Tot Ion:	113	Resp:	155535
Ion Ratio	Lower	Upper	
113	100		
111	101.8	81.4	122.0
192	20.1	19.4	29.0

Manual Integrations
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3/22/2019 2:50:38 PM



#36

1,1-Dichloropropene

Concen: 20.255 ug/l

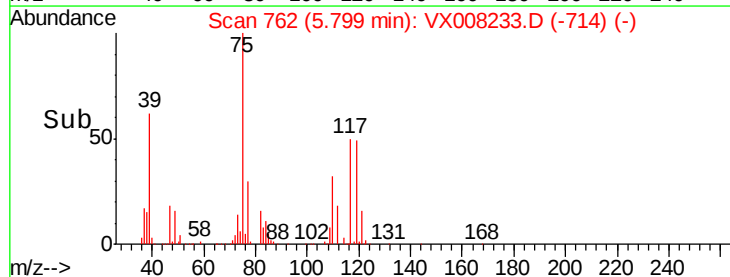
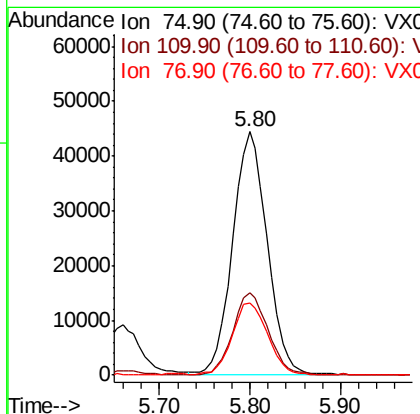
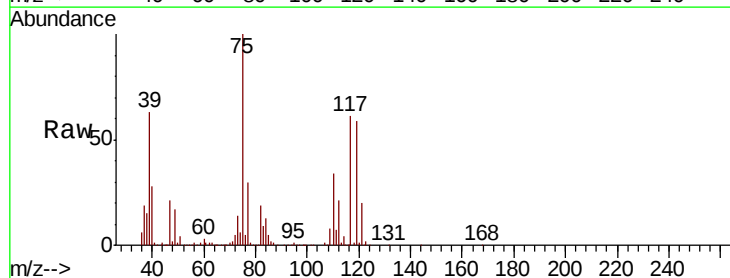
RT: 5.80 min Scan# 762

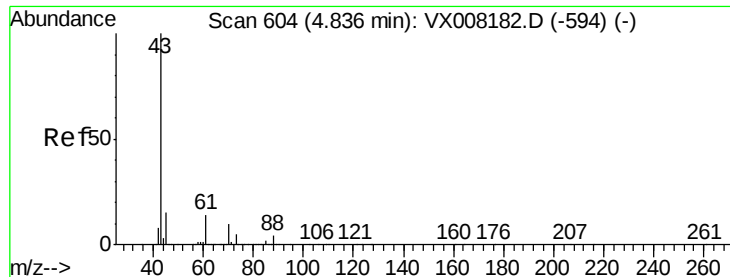
Delta R.T. -0.01 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Tgt Ion:	75	Resp:	117553
Ion Ratio	Lower	Upper	
75	100		
110	34.8	18.4	55.0
77	30.7	25.0	37.4





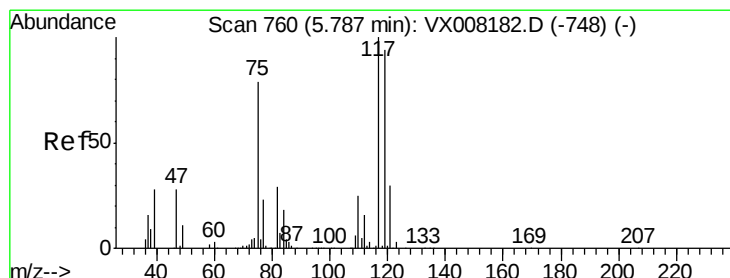
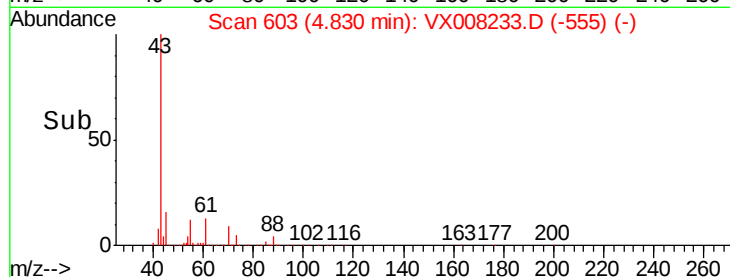
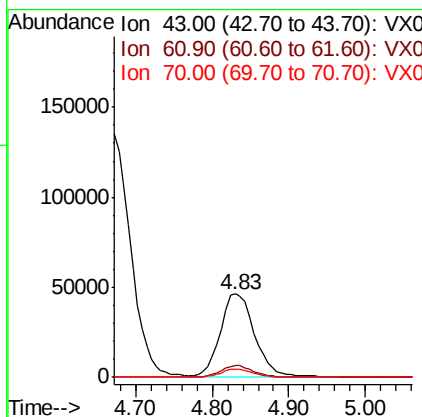
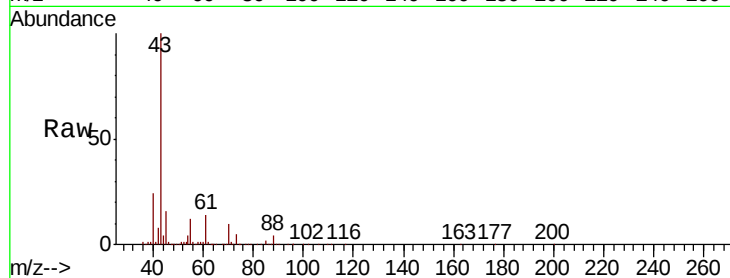
#37
Ethyl Acetate
Concen: 20.738 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tot Ion:	43	Resp:	142273
Ion	Ratio	Lower	Upper
43	100		
61	12.8	11.3	16.9
70	9.5	8.5	12.7

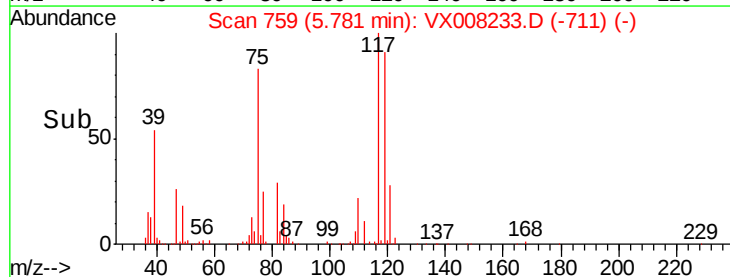
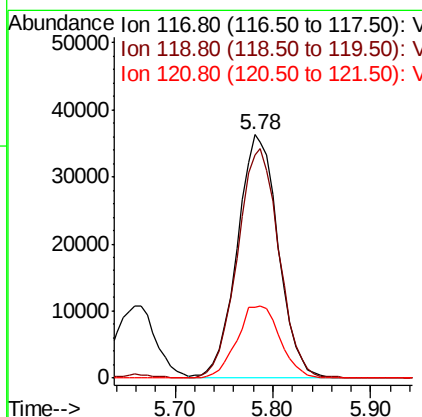
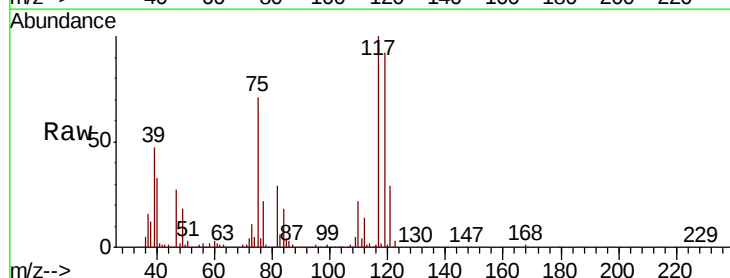
Manual Integrations
APPROVED

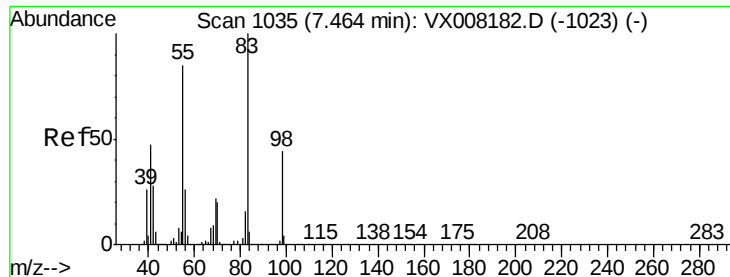
MMDadoda
3/22/2019 2:50:38 PM



#38
Carbon Tetrachloride
Concen: 20.308 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

Tgt Ion:	117	Resp:	105013
Ion	Ratio	Lower	Upper
117	100		
119	91.6	76.2	114.2
121	29.3	24.6	36.8





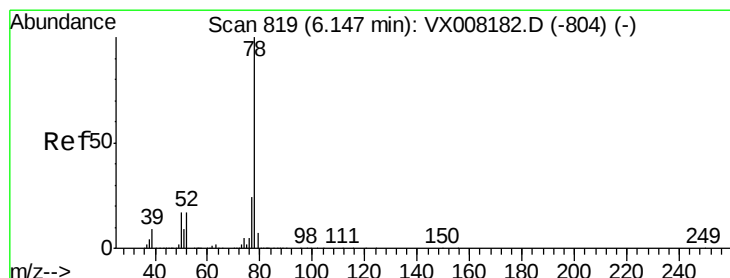
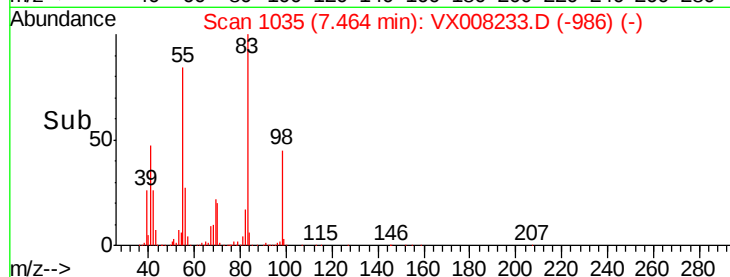
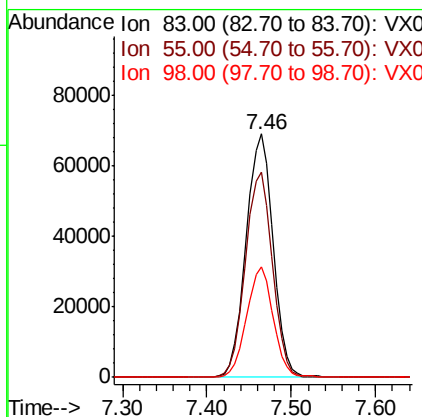
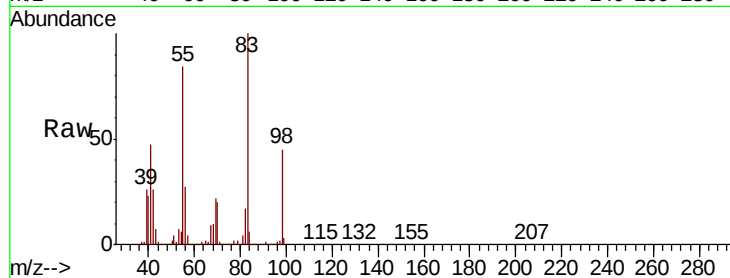
#39
Methvlcvclohexane
Concen: 21.336 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.0	60.4	90.6
98	45.2	36.5	54.7

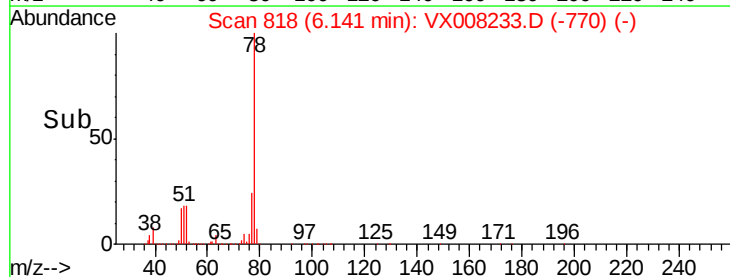
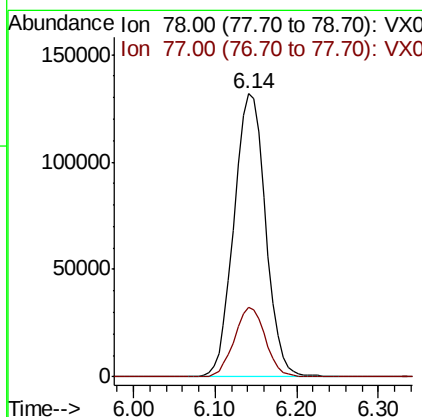
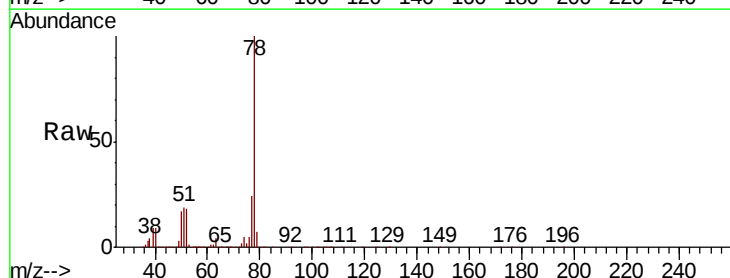
Manual Integrations
APPROVED

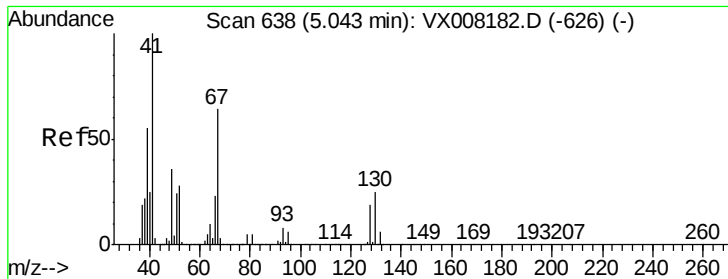
MMDadoda
3/22/2019 2:50:38 PM



#40
Benzene
Concen: 20.553 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.4





#41

Methacrylonitrile

Concen: 20.893 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Instrument :

MSVOA_X

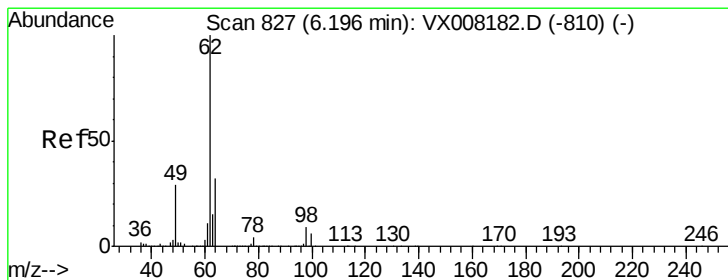
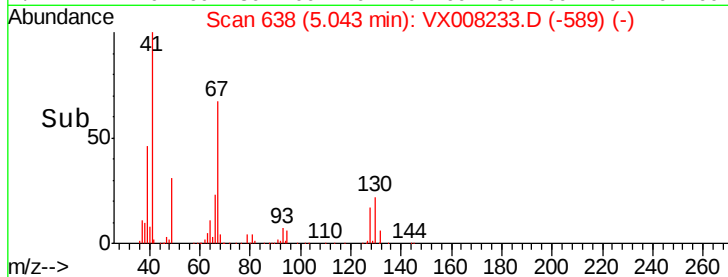
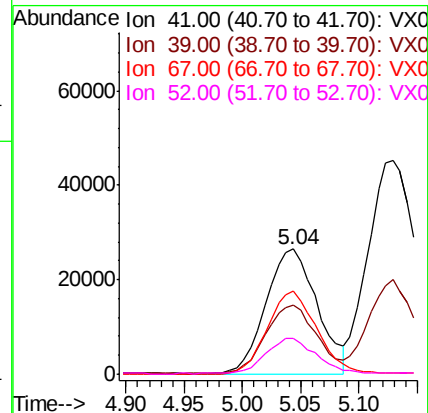
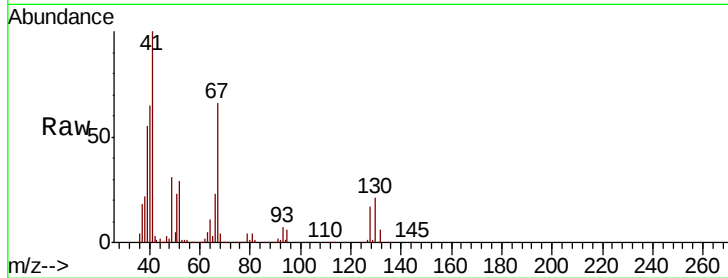
ClientSampleId :

VX0320WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.5	41.6	62.4	
67	65.2	55.8	83.6	
52	28.5	21.7	32.5	

Manual Integrations
APPROVED

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3/22/2019 2:50:38 PM



#42

1,2-Dichloroethane

Concen: 20.203 ug/l

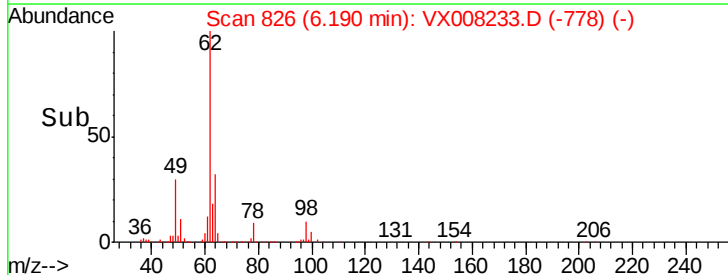
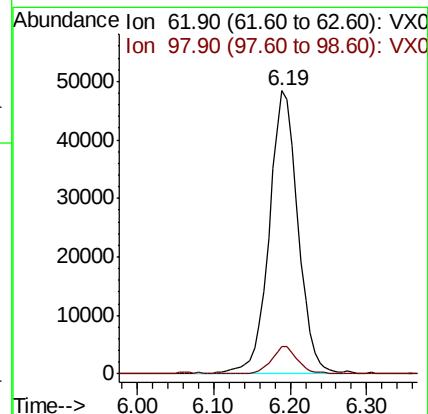
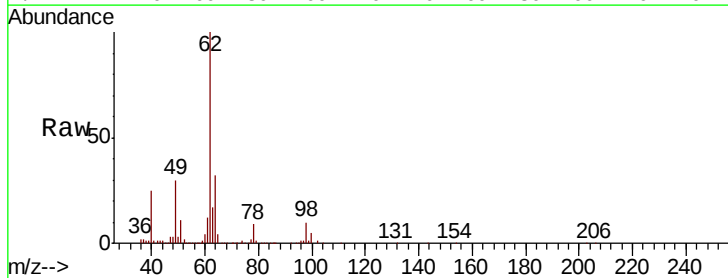
RT: 6.19 min Scan# 826

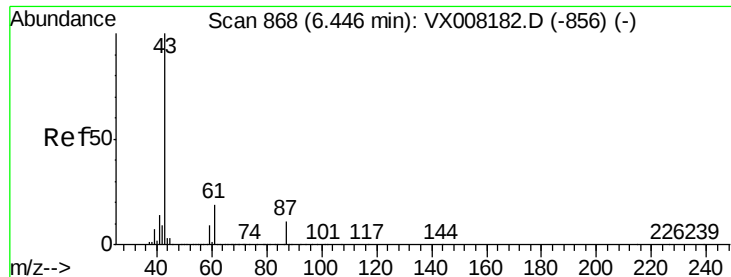
Delta R.T. -0.01 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	20.4	





#43

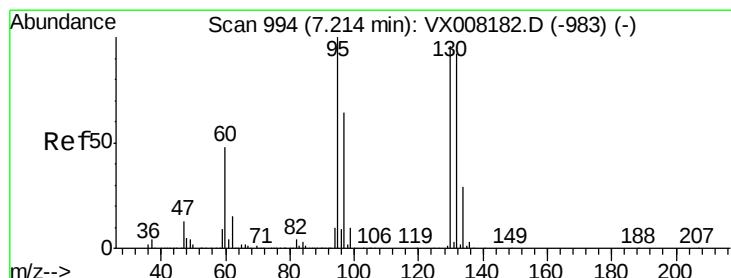
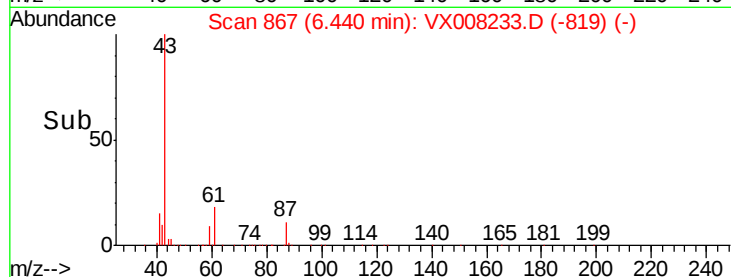
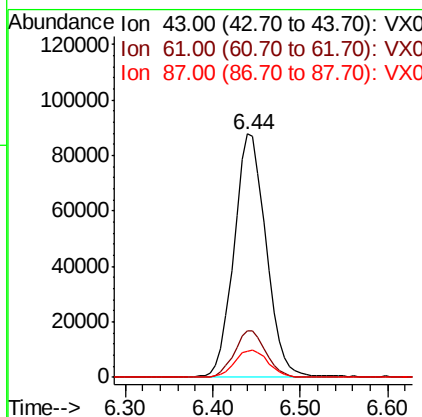
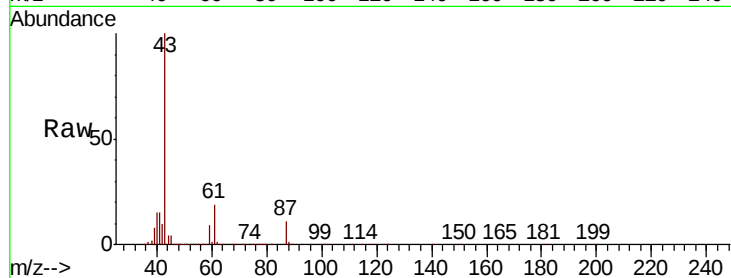
Isopropyl Acetate
 Concen: 20.311 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX008233.D
 Acq: 20 Mar 2019 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	16.3	24.5
87	11.8	10.5	15.7

Manual Integrations
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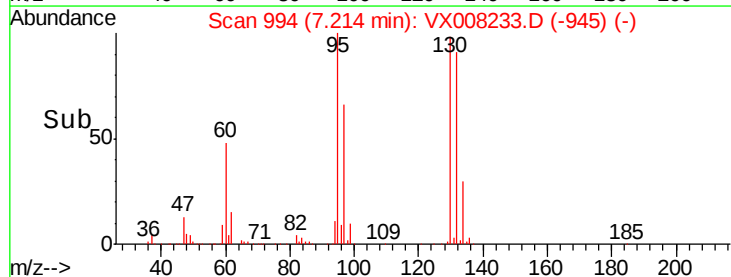
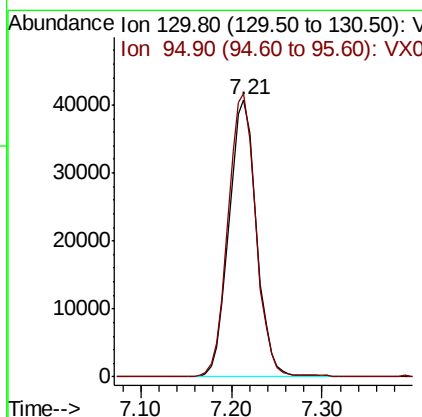
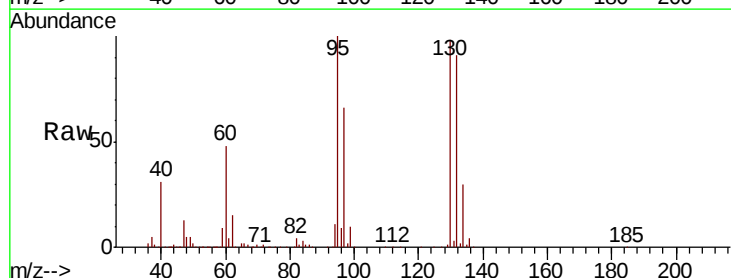
MMDadoda
 3/22/2019 2:50:38 PM

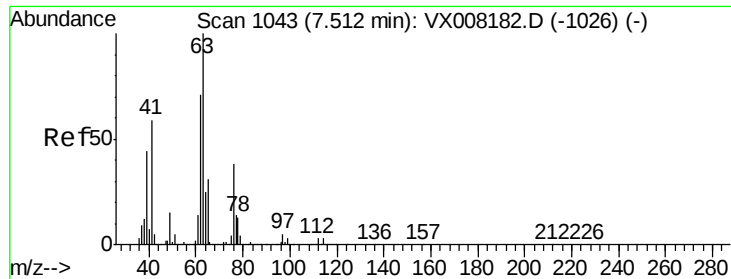


#44

Trichloroethene
 Concen: 20.513 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008233.D
 Acq: 20 Mar 2019 11:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	188.0





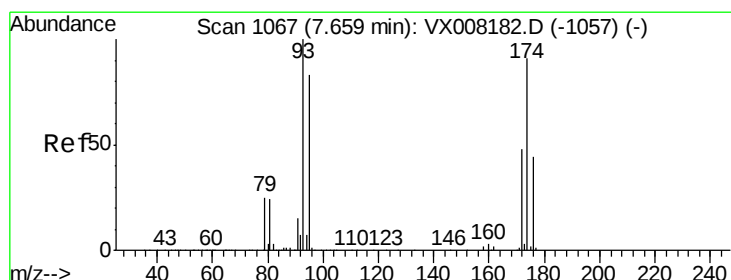
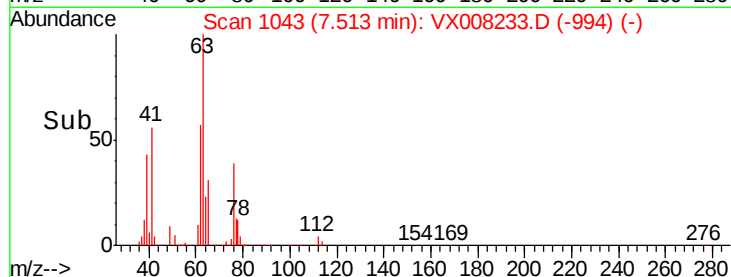
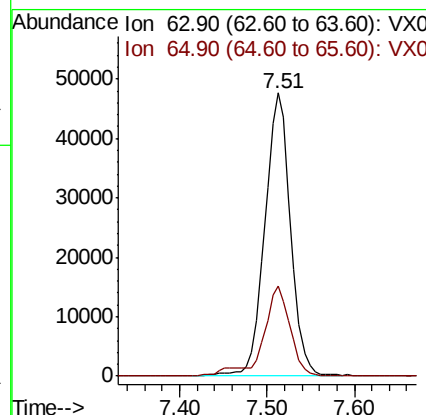
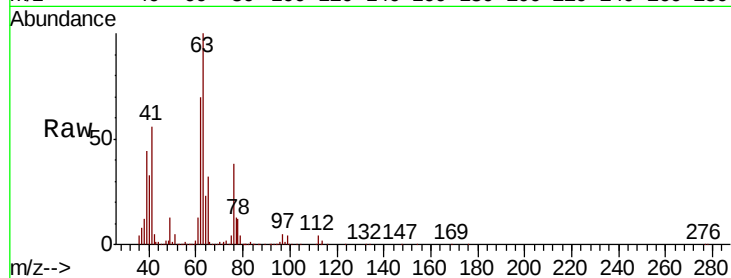
#45
 1,2-Dichloropropane
 Concen: 20.212 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008233.D
 Acq: 20 Mar 2019 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.7	37.1

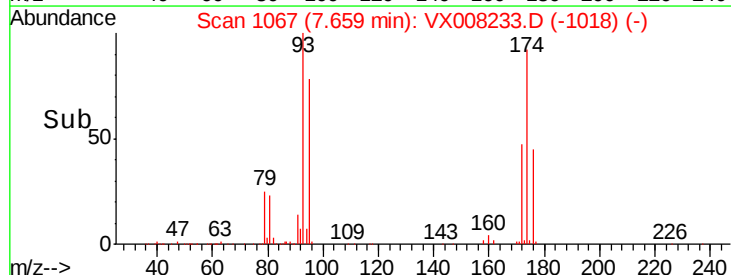
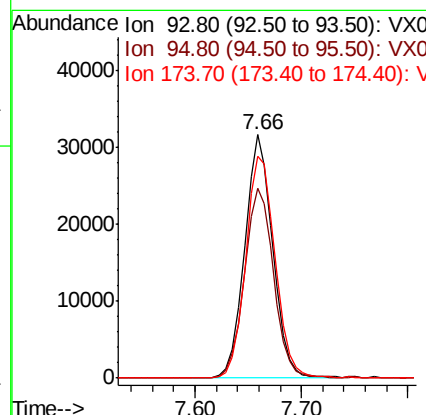
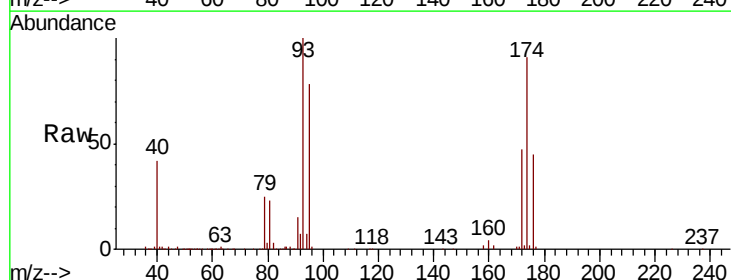
Manual Integrations
 APPROVED

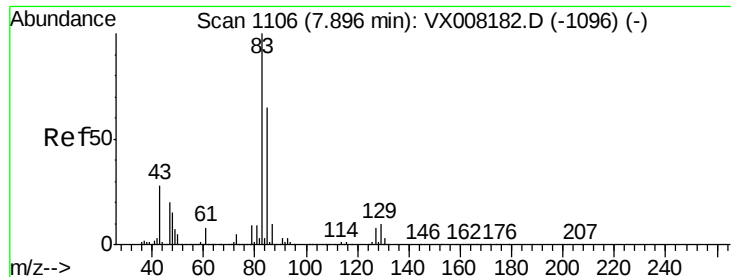
MMDadoda
 3/22/2019 2:50:38 PM



#46
 Dibromomethane
 Concen: 20.117 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008233.D
 Acq: 20 Mar 2019 11:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.5	66.8	100.2
174	95.9	97.3	145.9#





#47

Bromodichloromethane

Concen: 20.117 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Instrument :

MSVOA_X

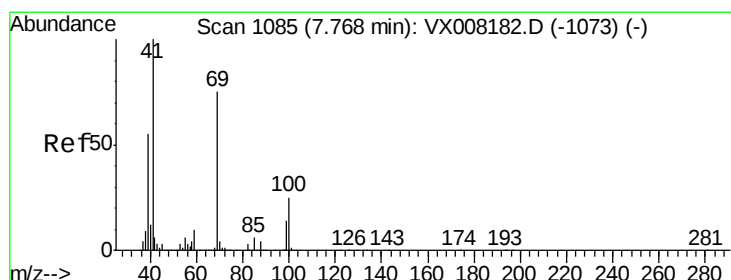
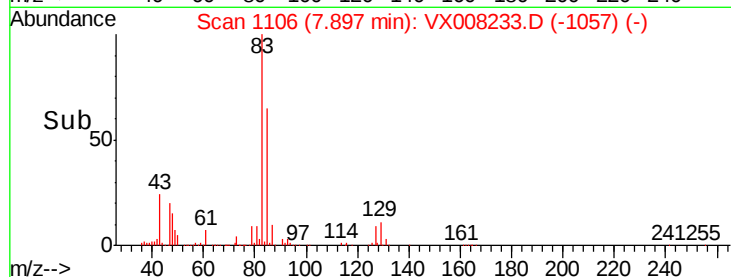
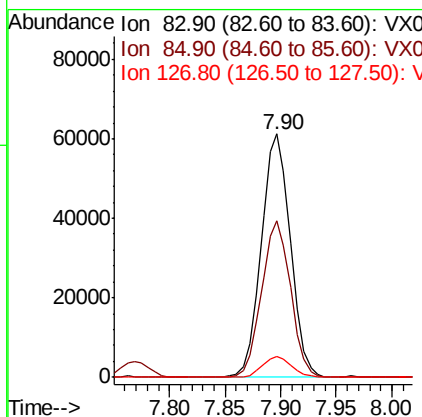
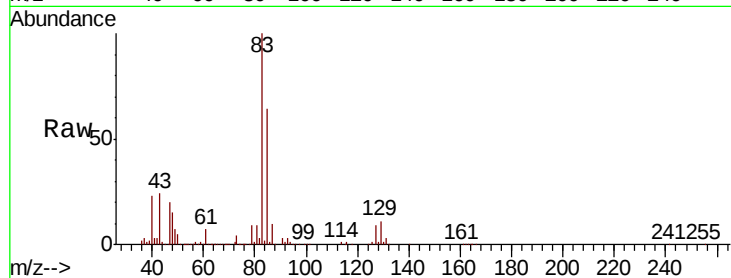
ClientSampleId :

VX0320WBS01

Tot Ion:	83	Resp:	111620
Ion Ratio	Lower	Upper	
83	100		
85	64.2	50.9	76.3
127	8.7	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.164 ug/l

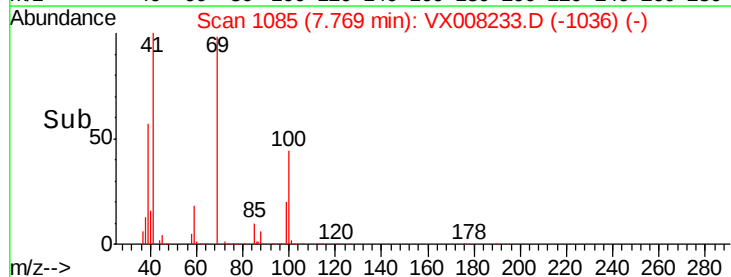
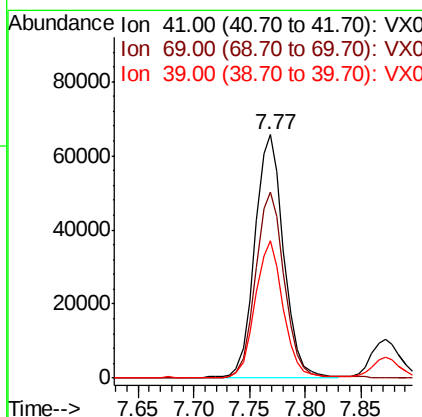
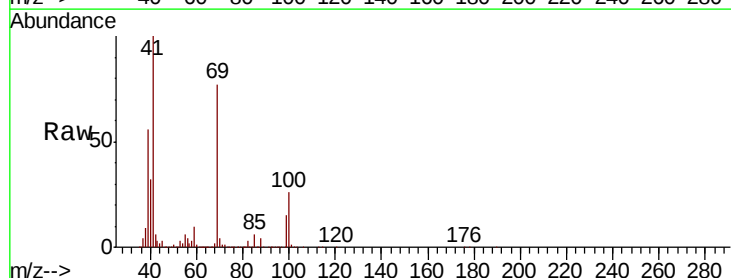
RT: 7.77 min Scan# 1085

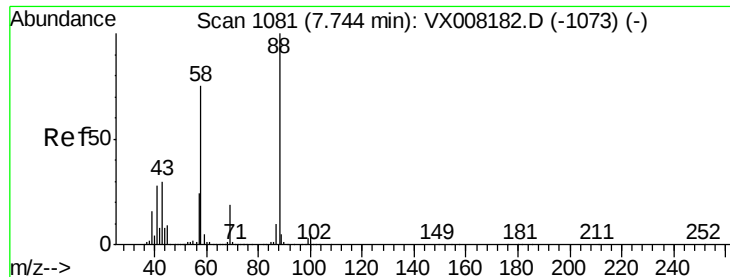
Delta R.T. 0.00 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Tgt Ion:	41	Resp:	117901
Ion Ratio	Lower	Upper	
41	100		
69	77.5	65.2	97.8
39	54.9	39.4	59.2





#49

1,4-Dioxane

Concen: 408.022 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Instrument :

MSVOA_X

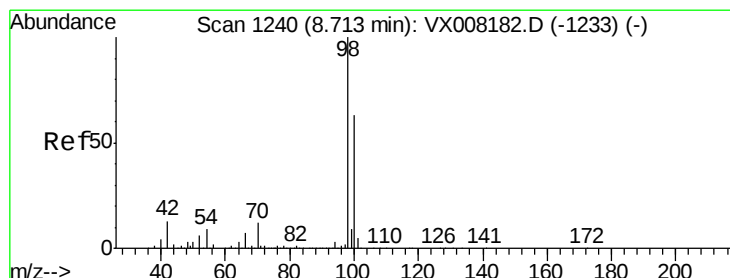
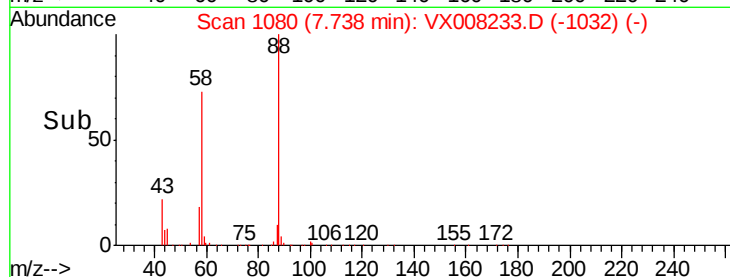
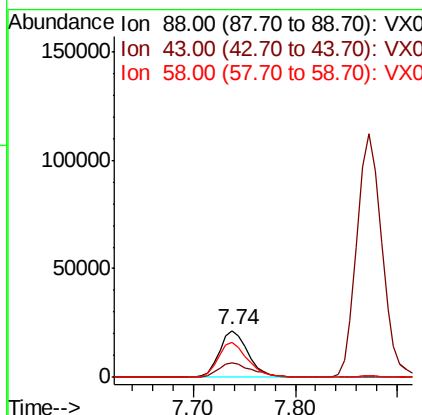
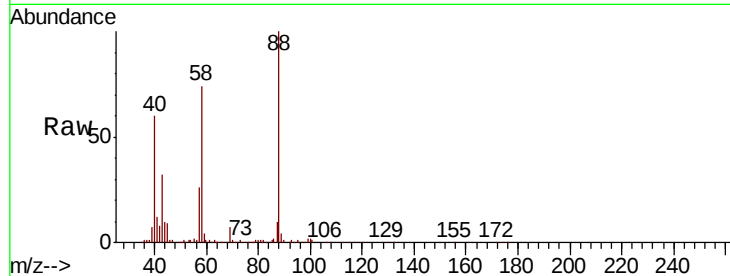
ClientSampleId :

VX0320WBS01

Tot Ion:	88	Resp:	42100
Ion	Ratio	Lower	Upper
88	100		
43	36.8	25.1	37.7
58	76.6	57.8	86.6

Manual Integrations
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#50

Toluene-d8

Concen: 48.282 ug/l

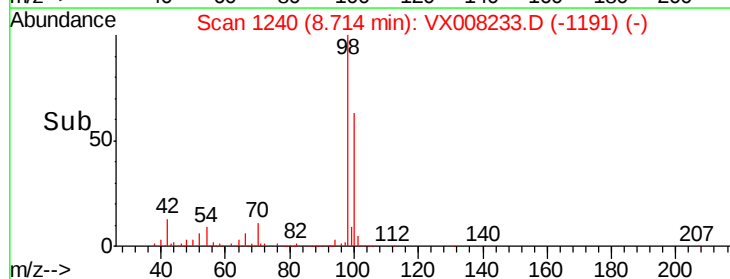
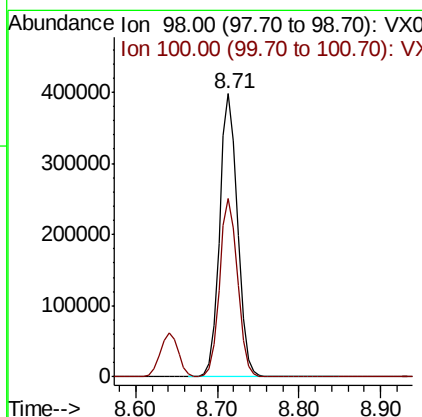
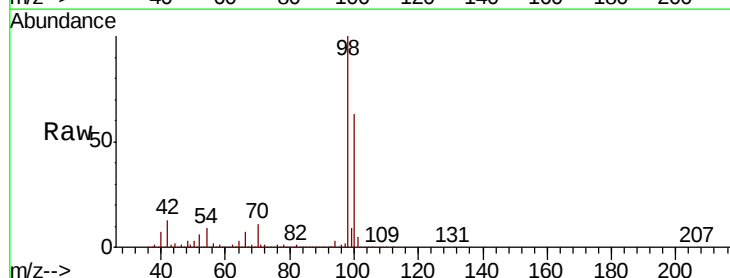
RT: 8.71 min Scan# 1240

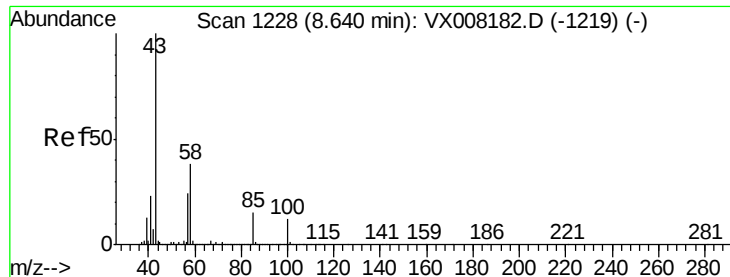
Delta R.T. 0.00 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Tgt Ion:	98	Resp:	610849
Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 104.529 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS01

Tot Ion: 43 Resp: 743117

Ion Ratio Lower Upper

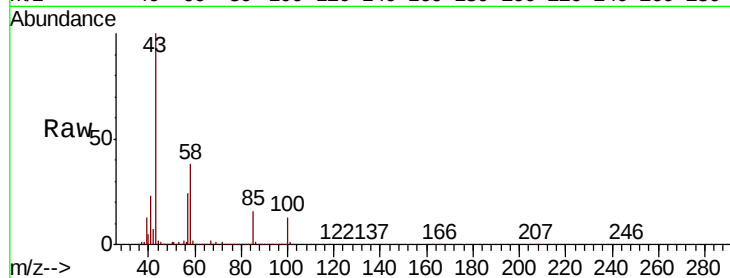
43 100

58 37.6 31.3 46.9

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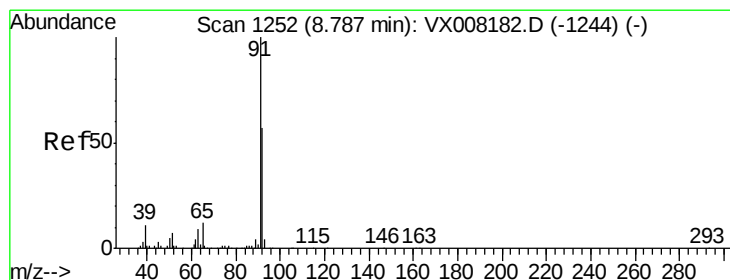
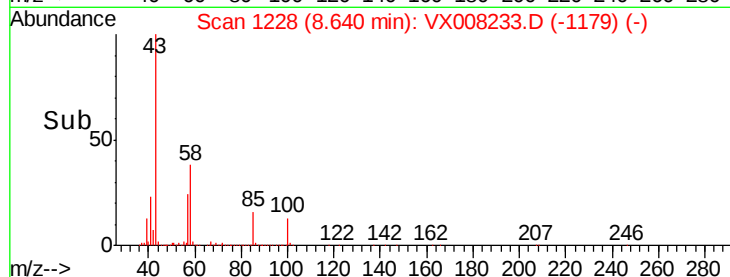
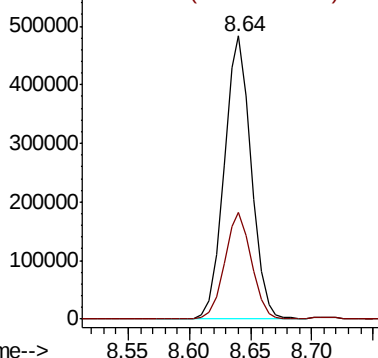
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.682 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008233.D

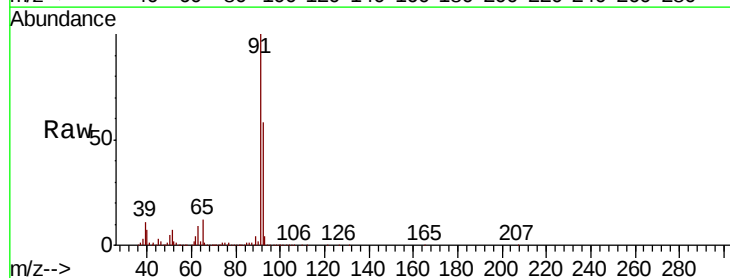
Acq: 20 Mar 2019 11:31

Tgt Ion: 92 Resp: 210768

Ion Ratio Lower Upper

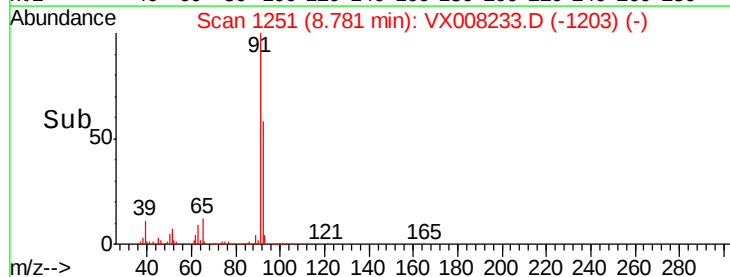
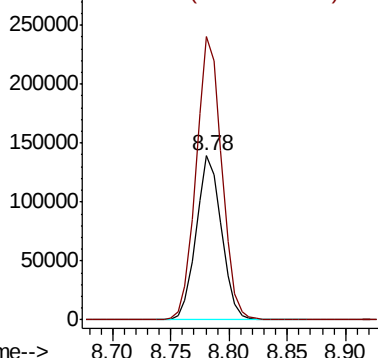
92 100

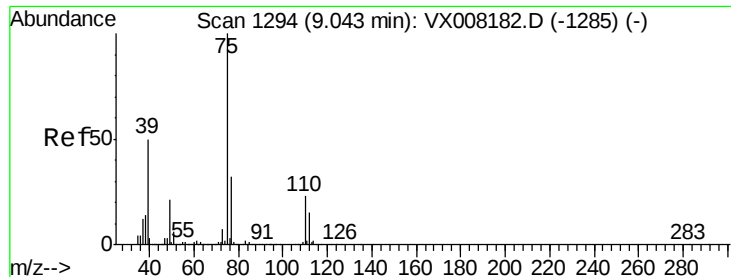
91 174.3 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





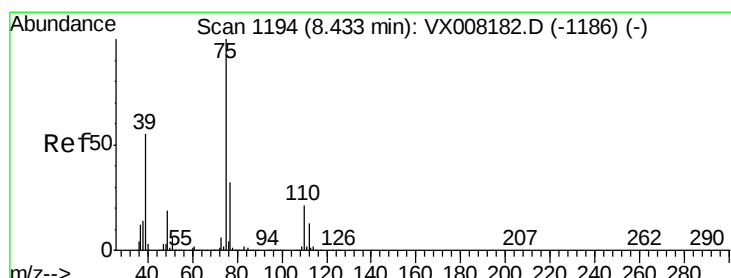
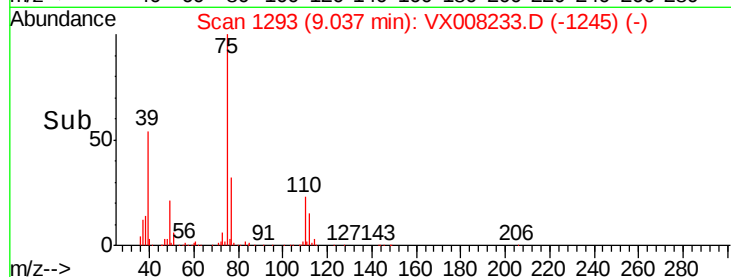
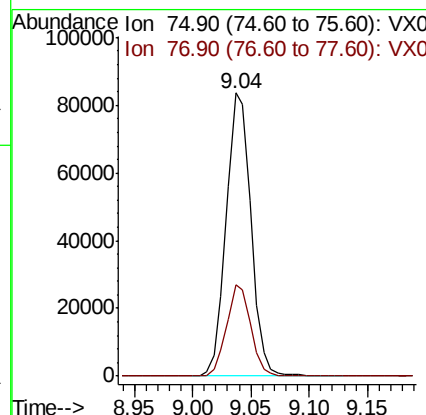
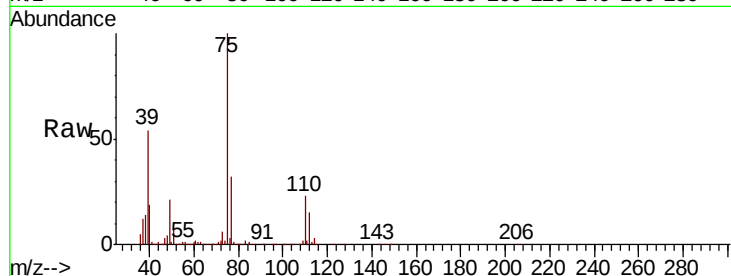
#53
t-1,3-Dichloropropene
Concen: 18.543 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.0

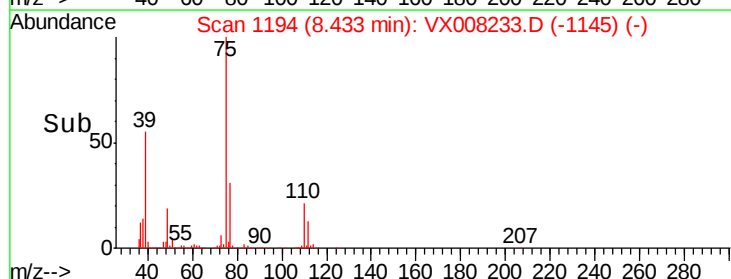
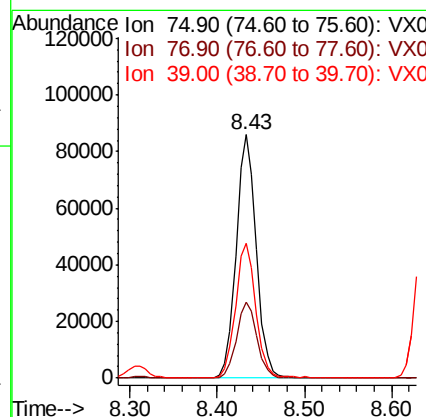
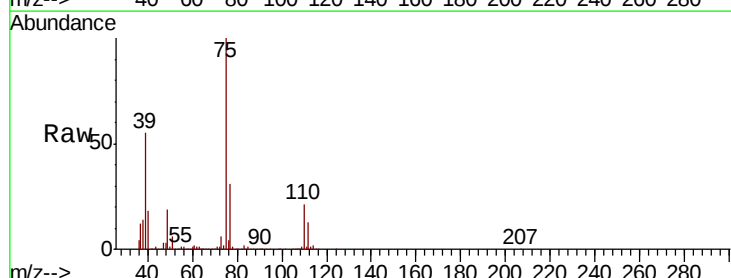
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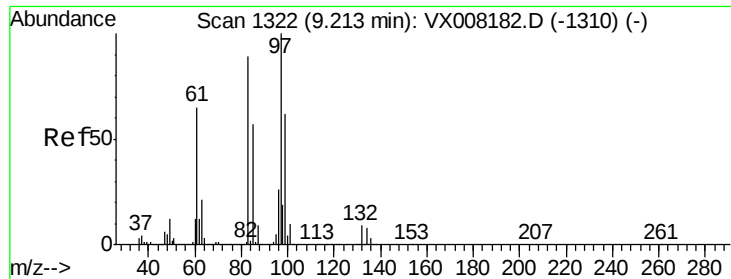
MMDadoda
3/22/2019 2:50:38 PM



#54
cis-1,3-Dichloropropene
Concen: 20.017 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.6
39	55.1	36.6	54.8#





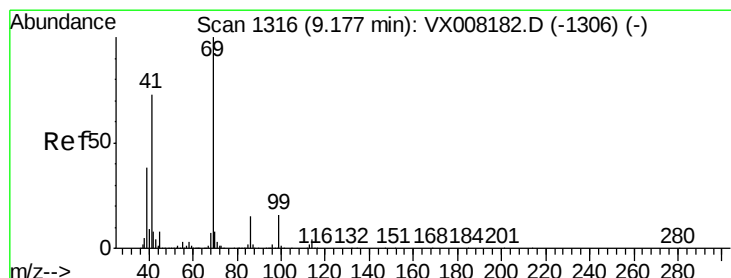
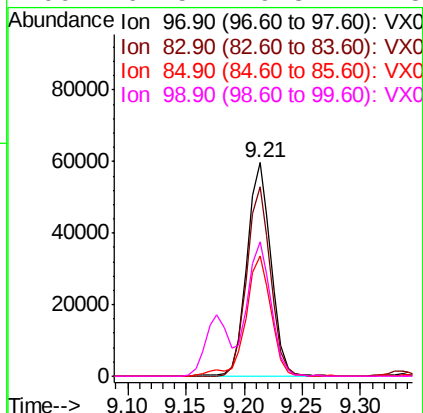
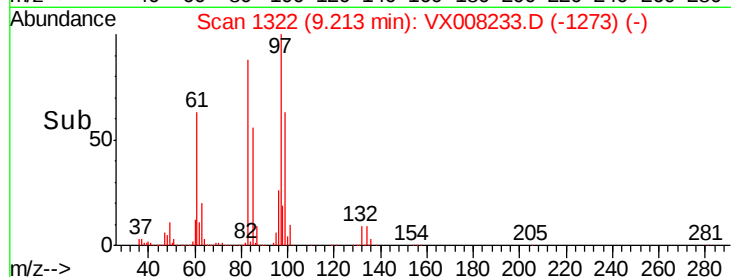
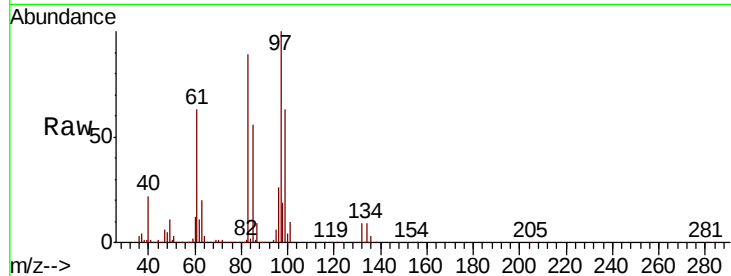
#55
 1,1,2-Trichloroethane
 Concen: 21.030 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008233.D
 Acq: 20 Mar 2019 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		86588		
83	88.6	69.1	103.7		
85	55.9	44.3	66.5		
99	62.5	49.8	74.8		

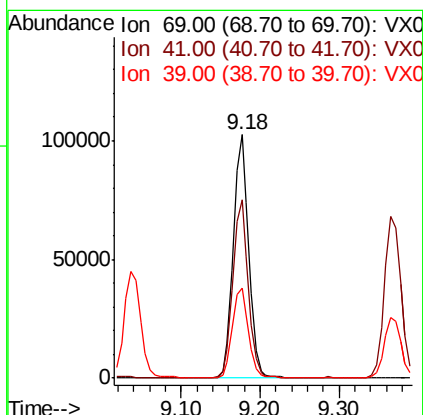
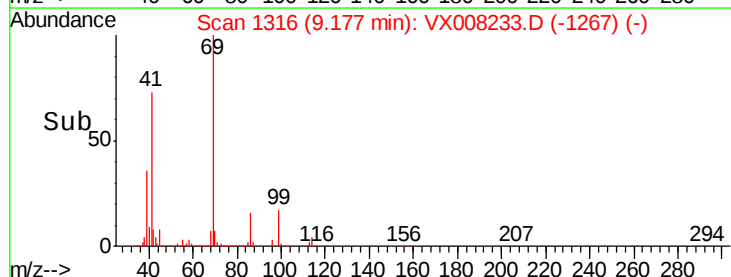
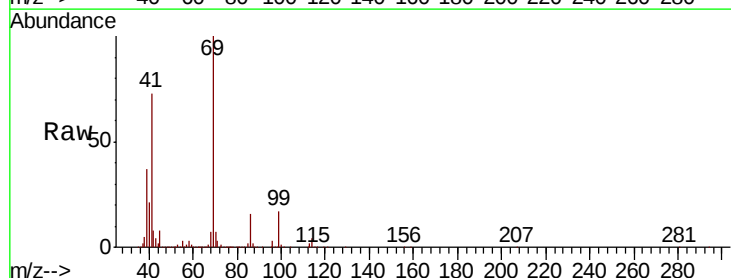
Manual Integrations
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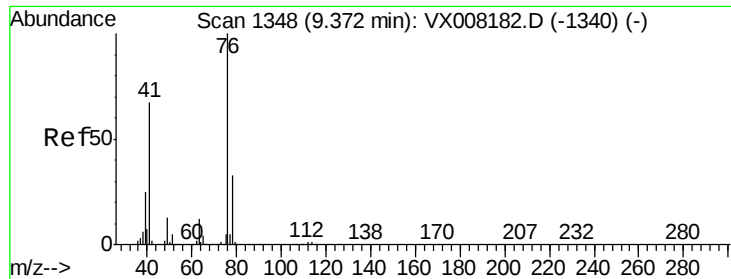
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 3/22/2019 2:50:38 PM



#56
 Ethyl methacrylate
 Concen: 19.784 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008233.D
 Acq: 20 Mar 2019 11:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		140564		
41	72.5	54.2	81.4		
39	38.2	25.0	37.4#		





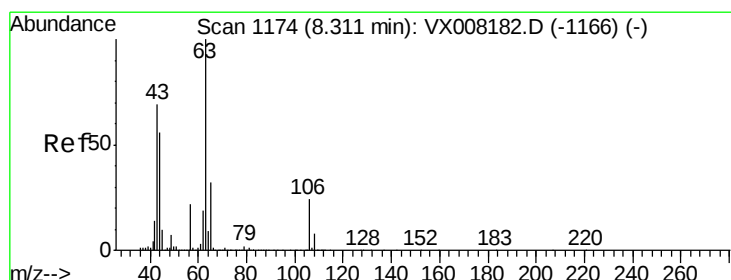
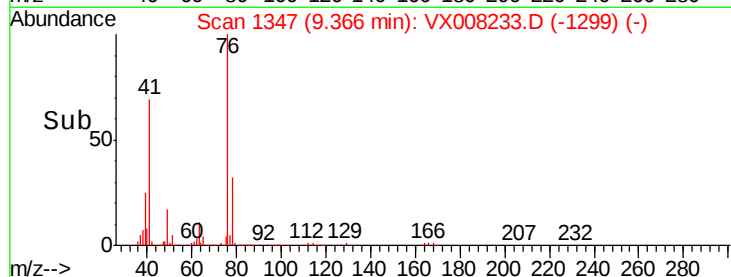
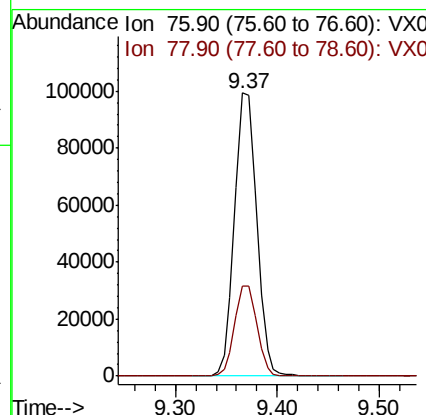
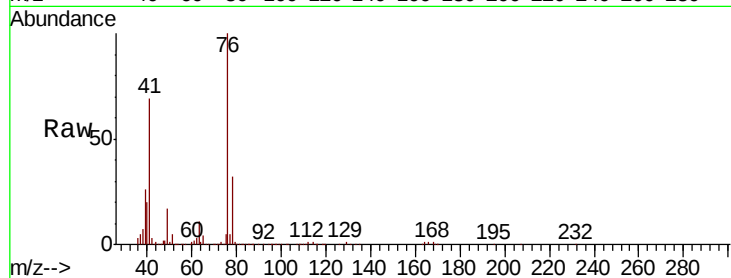
#57
 1,3-Dichloropropane
 Concen: 20.571 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX008233.D
 Acq: 20 Mar 2019 11:31

Instrument :
 MSVOA_X
 ClientSampled :
 VX0320WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3

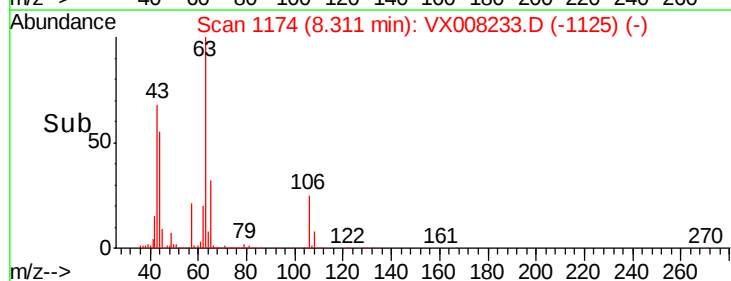
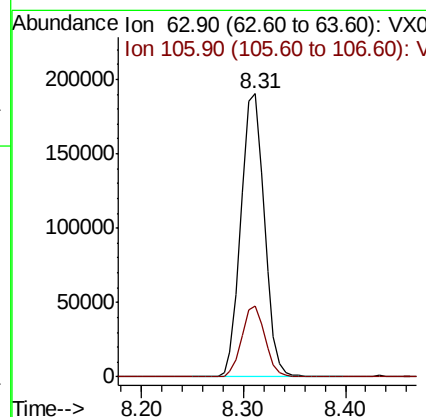
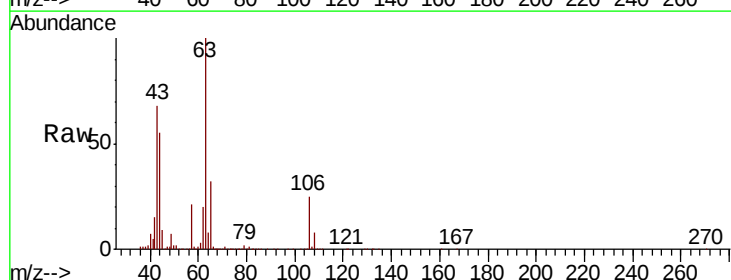
Manual Integrations
 APPROVED

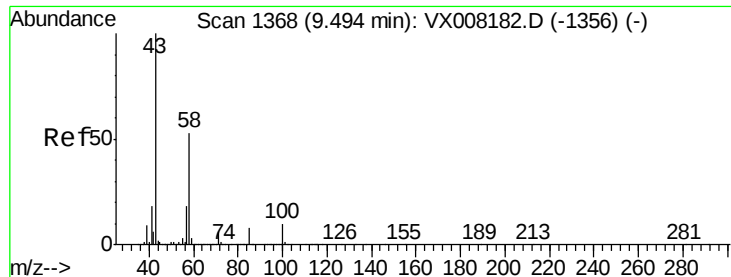
MMDadoda
 3/22/2019 2:50:38 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.773 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX008233.D
 Acq: 20 Mar 2019 11:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.6	22.2	33.2





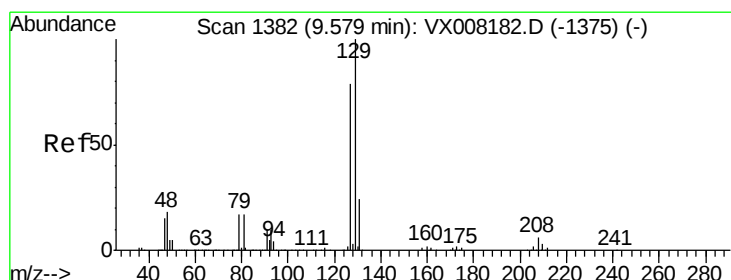
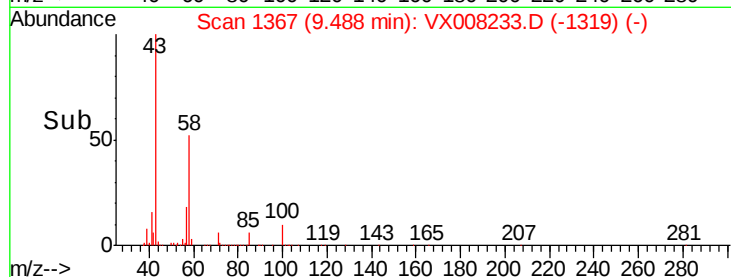
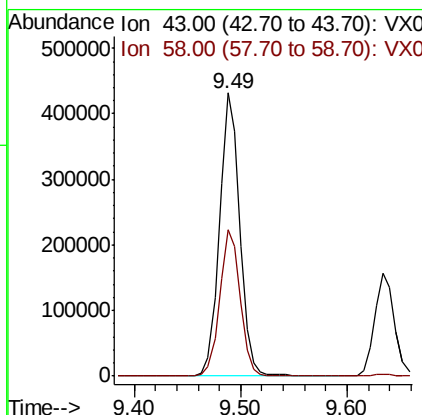
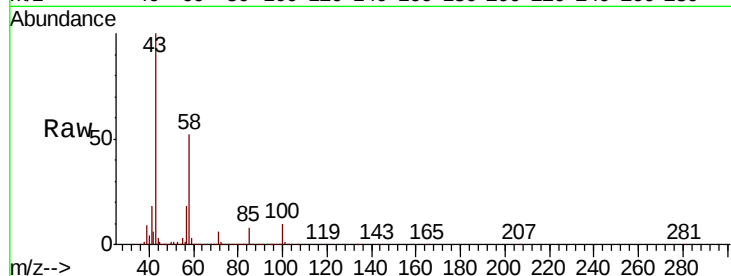
#59
2-Hexanone
Concen: 104.377 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.1	27.6	82.7

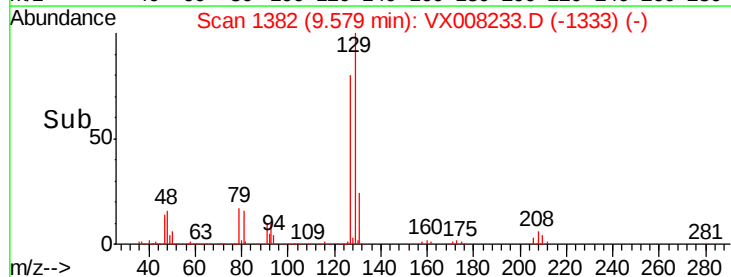
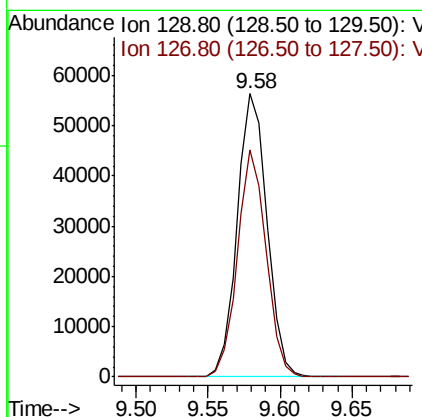
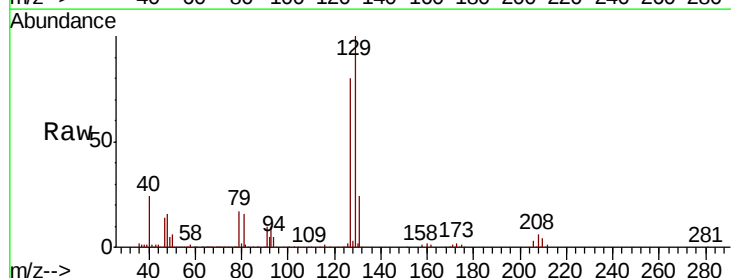
Manual Integrations
APPROVED

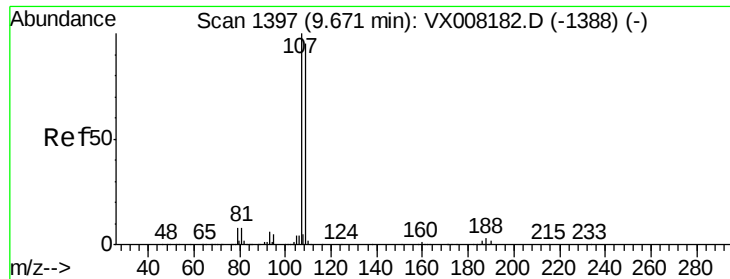
MMDadoda
3/22/2019 2:50:38 PM



#60
Dibromochloromethane
Concen: 20.524 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.3	114.8





#61

1,2-Dibromoethane

Concen: 20.562 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS01

Tot Ion: 107 Resp: 88402

Ion Ratio Lower Upper

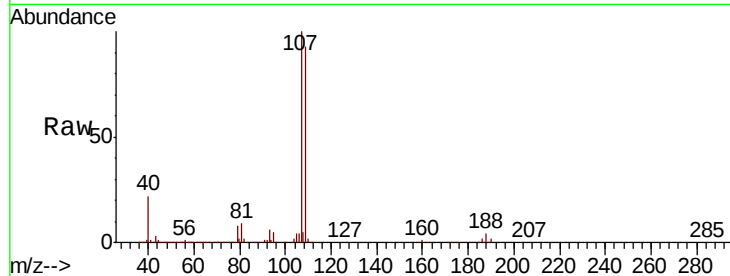
107 100

109 93.8 75.8 113.8

Manual Integrations
APPROVED

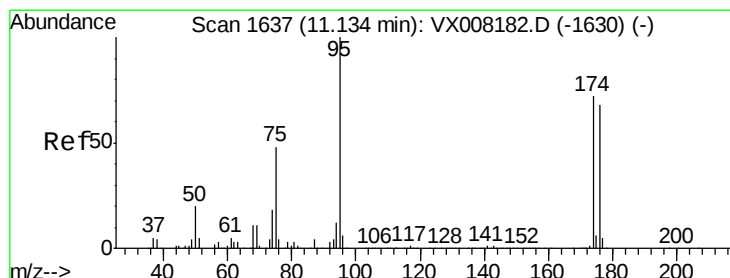
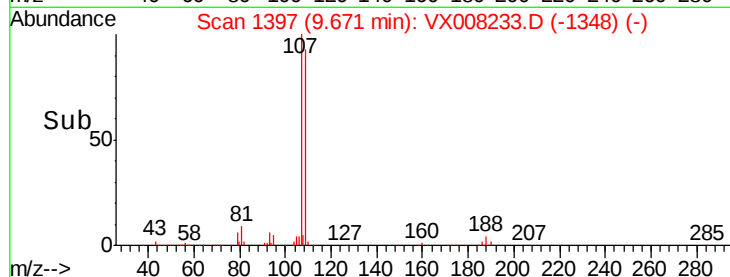
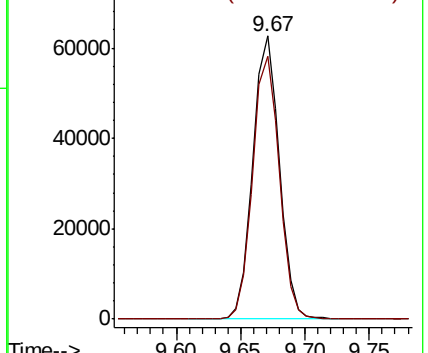
MMDadoda

3/22/2019 2:50:38 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.007 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

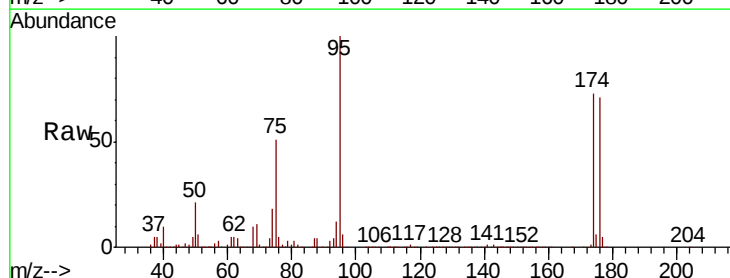
Tgt Ion: 95 Resp: 217843

Ion Ratio Lower Upper

95 100

174 78.2 0.0 182.8

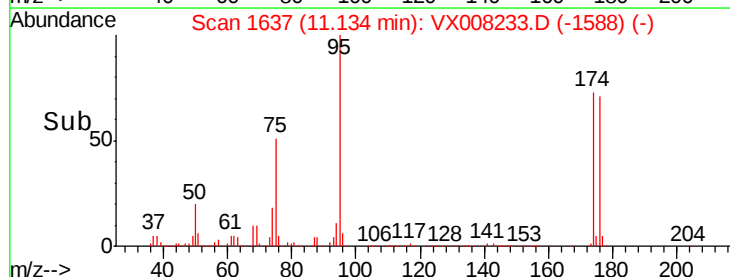
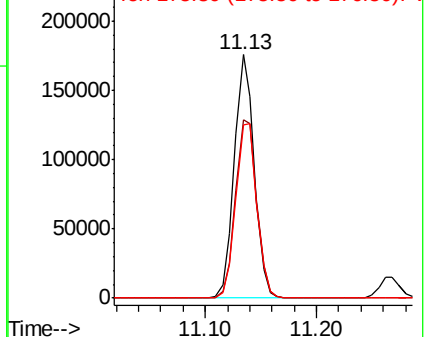
176 76.0 0.0 178.0

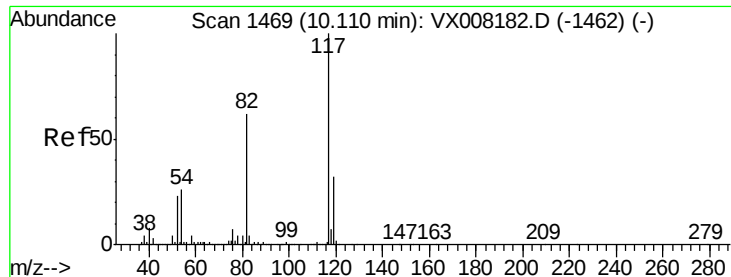


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





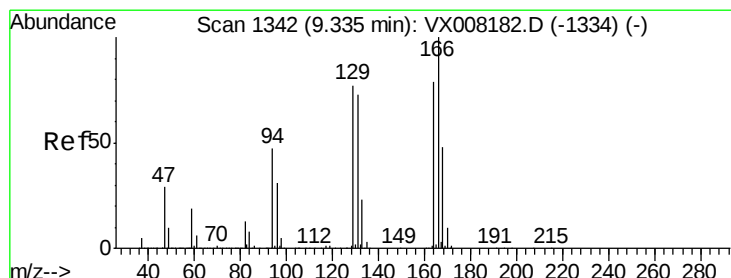
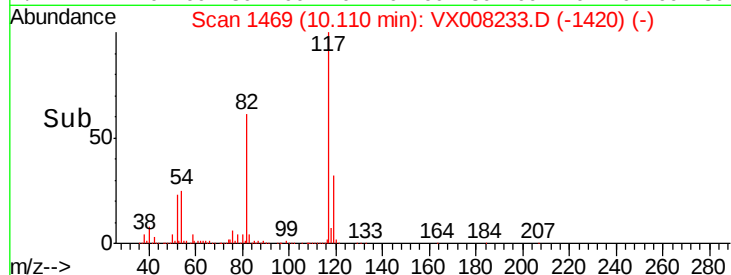
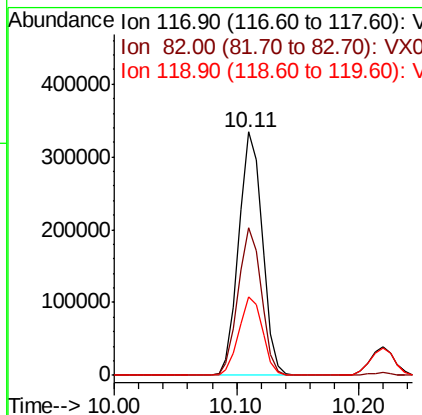
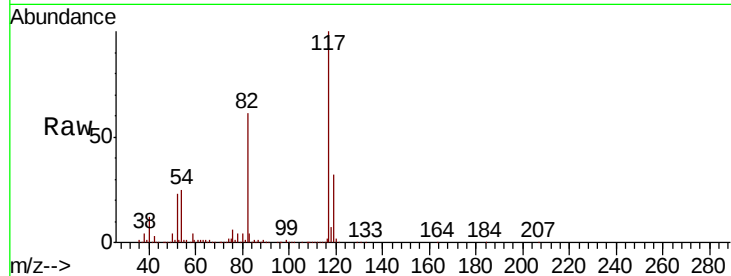
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	445715		
82	60.7	44.3	66.5	
119	32.4	25.3	37.9	

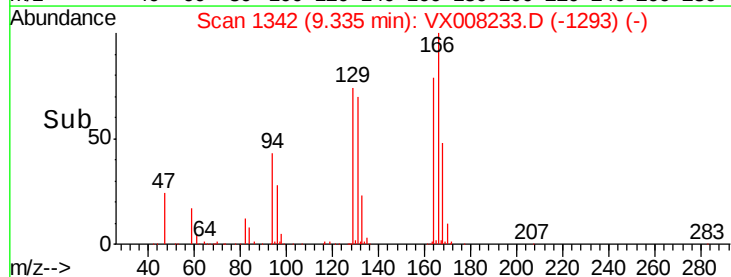
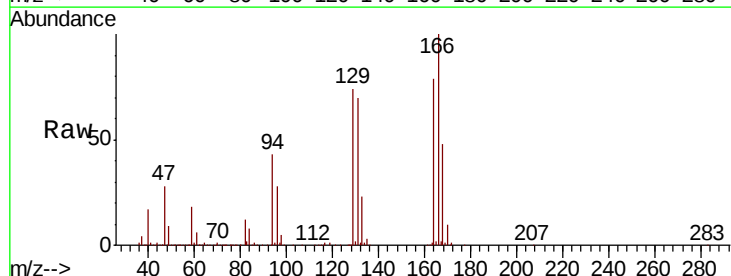
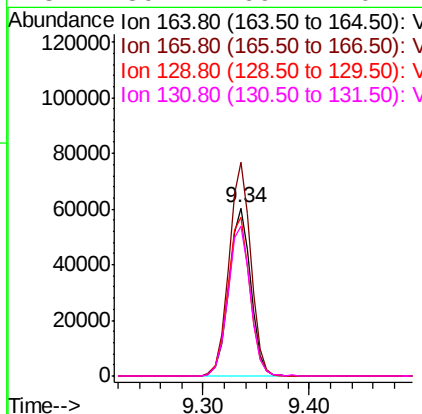
Manual Integrations
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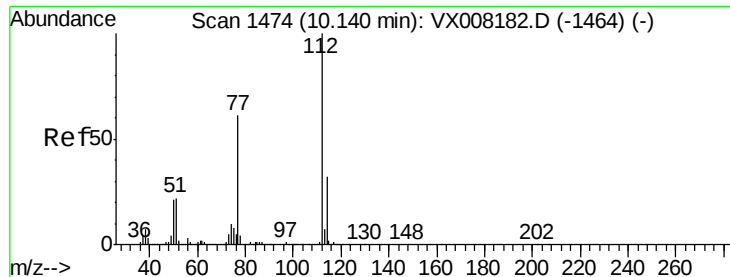
MMDadoda
3/22/2019 2:50:38 PM



#64
Tetrachloroethene
Concen: 21.574 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	86753		
166	127.2	103.4	155.0	
129	94.4	72.2	108.4	
131	89.4	69.4	104.2	





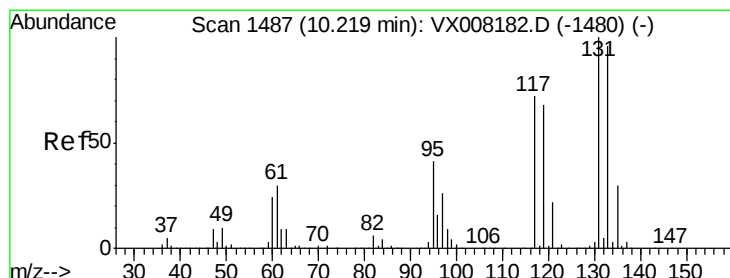
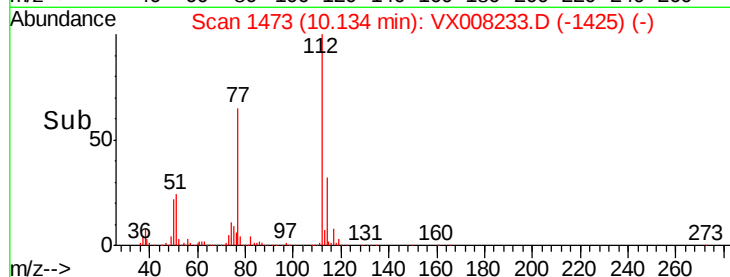
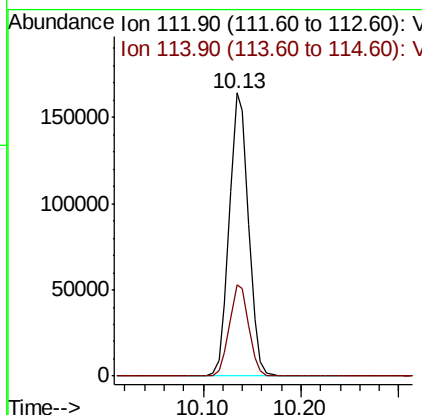
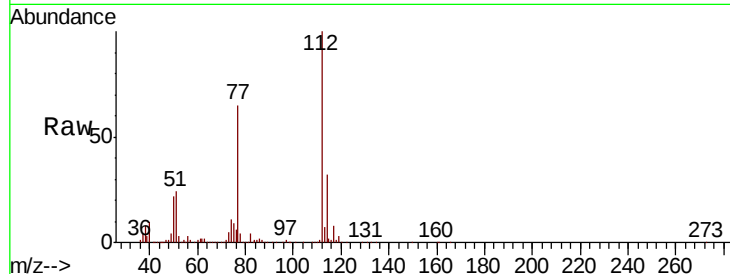
#65
Chlorobenzene
Concen: 20.468 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tot Ion:112 Resp: 224482
Ion Ratio Lower Upper
112 100
114 32.1 26.0 39.0

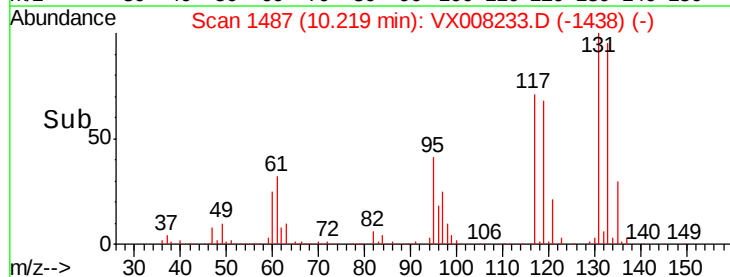
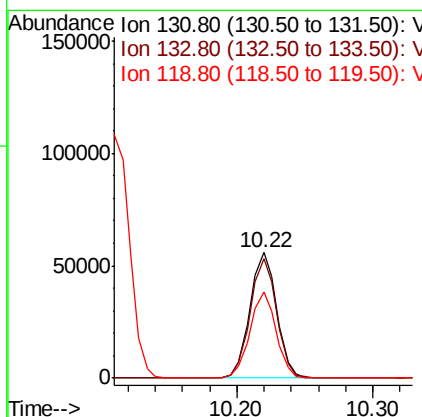
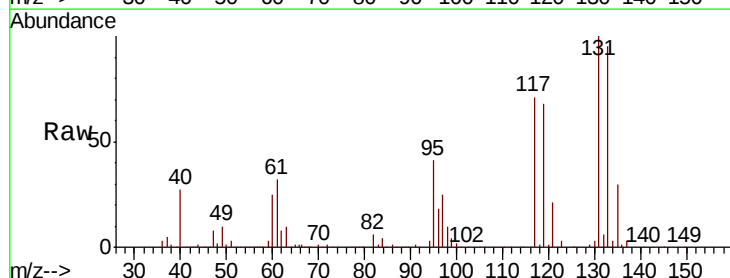
Manual Integrations
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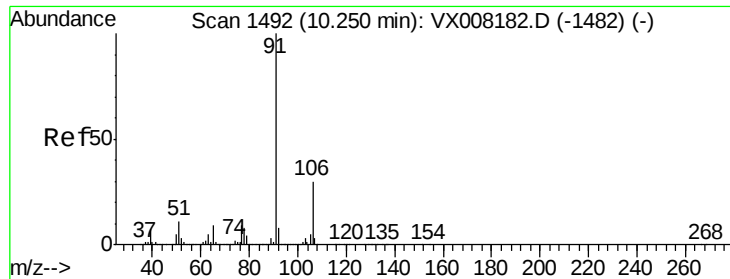
MMDadoda
3/22/2019 2:50:38 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.171 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

Tgt Ion:131 Resp: 77130
Ion Ratio Lower Upper
131 100
133 94.6 47.8 143.3
119 66.9 32.5 97.5





#67

Ethyl Benzene

Concen: 20.628 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Instrument :

MSVOA_X

ClientSampled :

VX0320WBS01

Tot Ion: 91 Resp: 398667

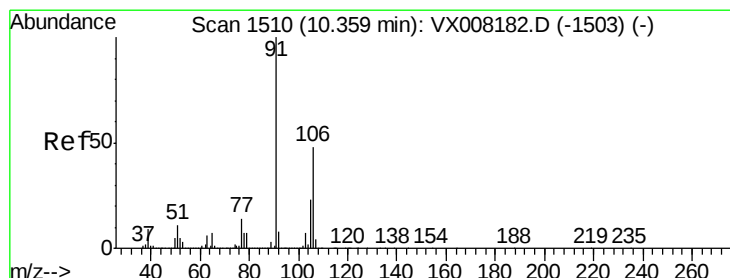
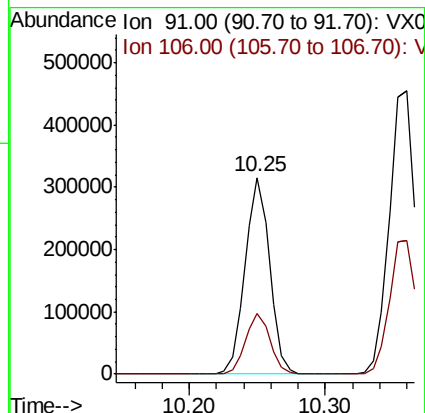
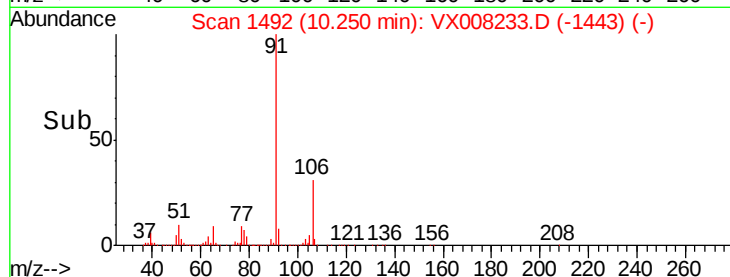
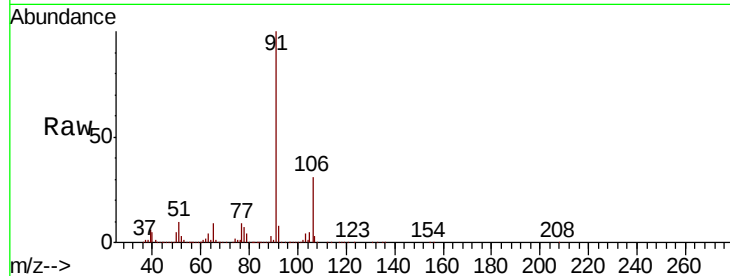
Ion Ratio Lower Upper

91 100

106 30.7 25.2 37.8

Manual Integrations
APPROVED

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3/22/2019 2:50:38 PM



#68

m/p-Xylenes

Concen: 41.770 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008233.D

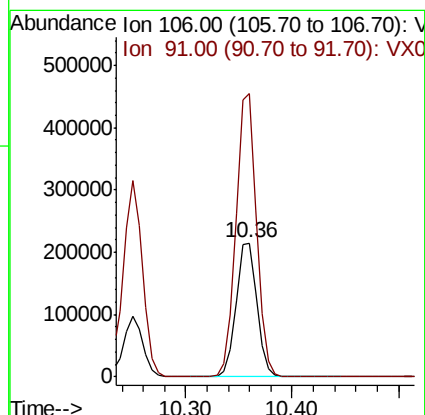
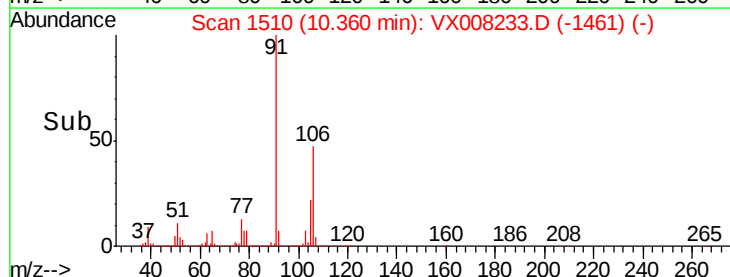
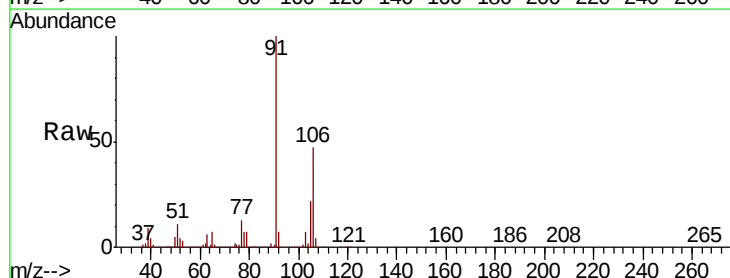
Acq: 20 Mar 2019 11:31

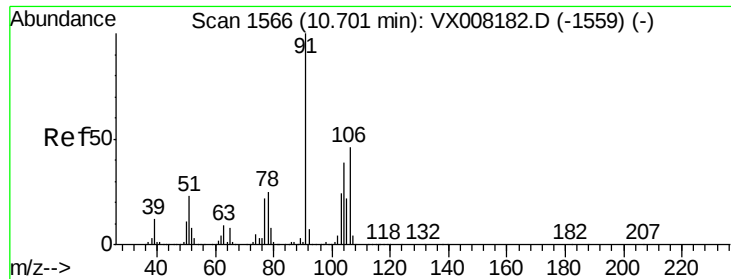
Tgt Ion: 106 Resp: 296545

Ion Ratio Lower Upper

106 100

91 208.7 159.8 239.6





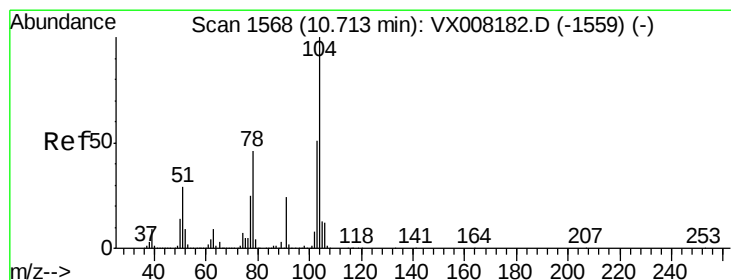
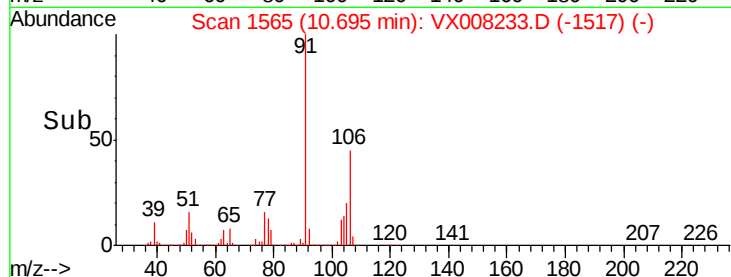
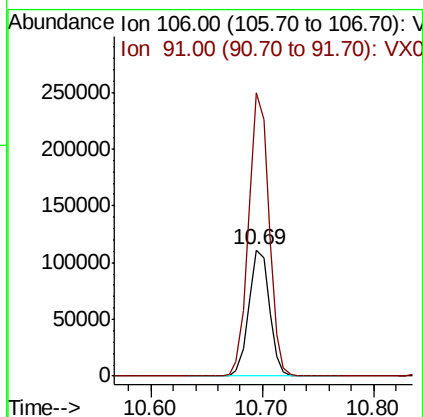
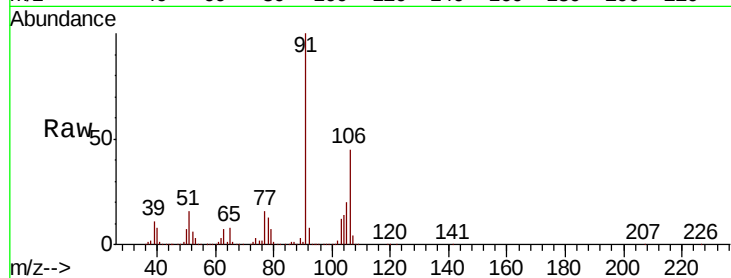
#69
o-Xylene
Concen: 20.839 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	221.3	106.3	318.9	

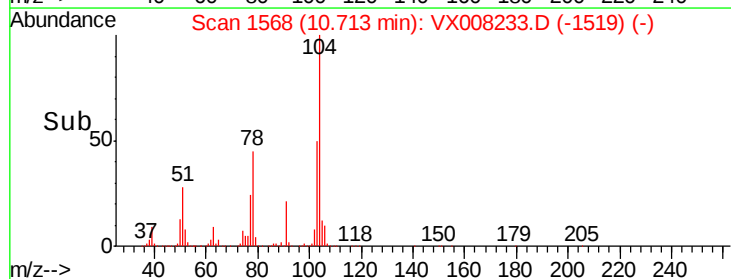
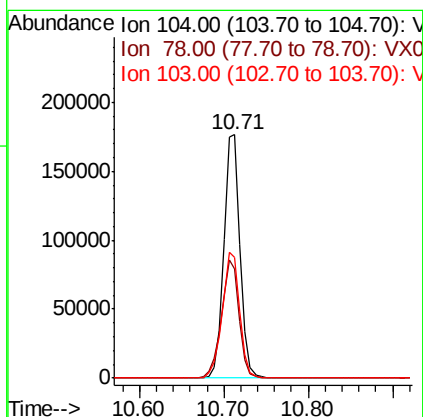
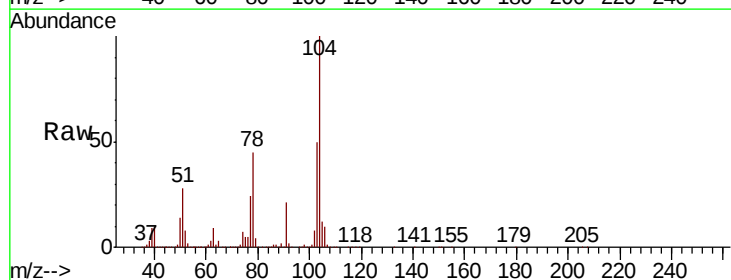
Manual Integrations
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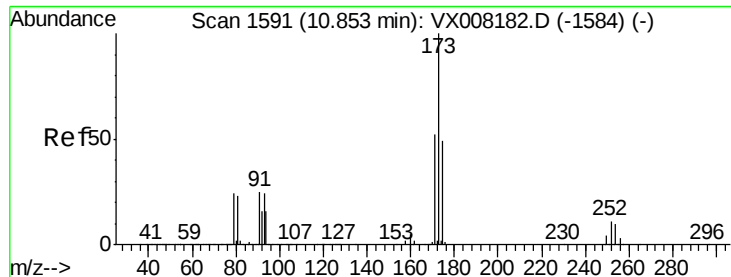
MMDadoda
3/22/2019 2:50:38 PM



#70
Styrene
Concen: 20.955 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	52.6	38.5	57.7	
103	55.7	44.1	66.1	





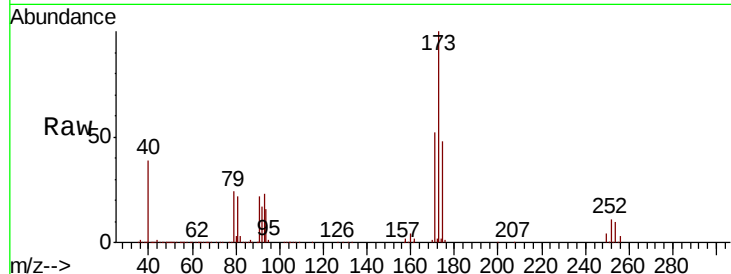
#71
Bromoform
Concen: 19.326 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.3	72.9
254	0.2	0.1	0.1#

Manual Integrations
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3/22/2019 2:50:38 PM

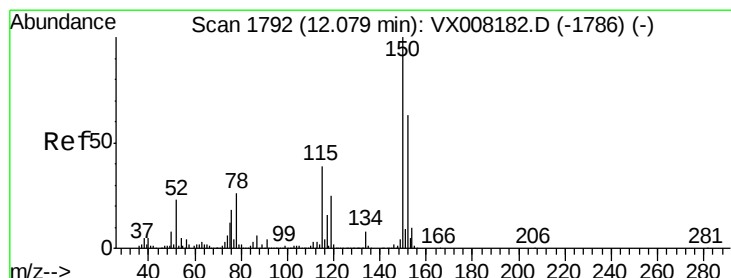
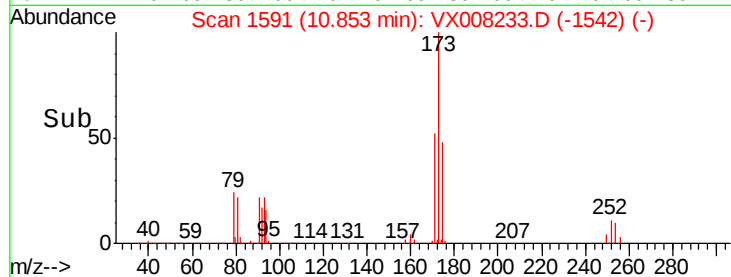
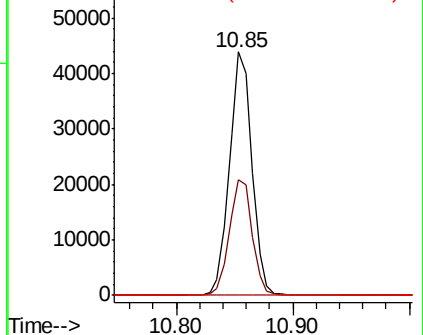


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

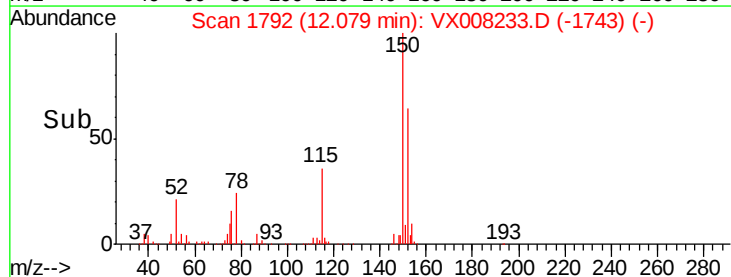
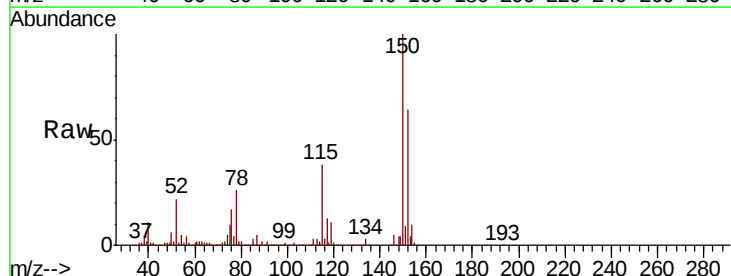
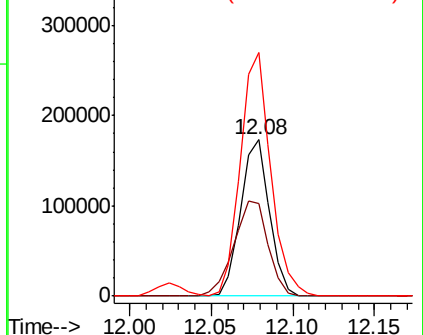
Tgt Ion	Ratio	Lower	Upper
152	100		
115	72.0	38.6	115.7
150	164.7	0.0	348.4

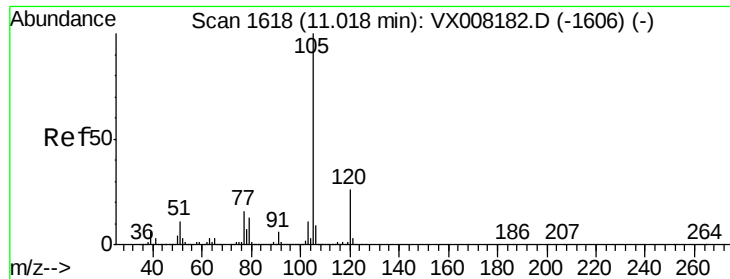
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.432 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS01

Tot Ion: 105 Resp: 388937

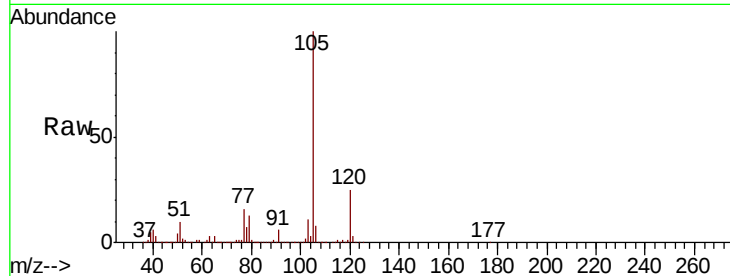
Ion Ratio Lower Upper

105 100

120 26.0 13.4 40.1

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3/22/2019 2:50:38 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

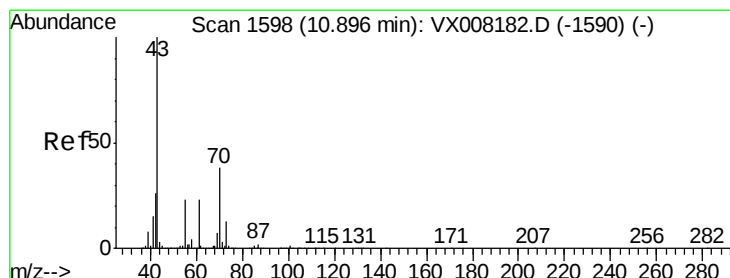
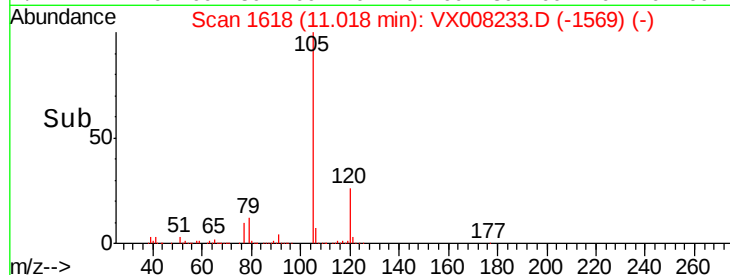
300000

200000

100000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 19.282 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Tgt Ion: 43 Resp: 192306

Ion Ratio Lower Upper

43 100

70 39.1 33.5 50.3

55 24.4 19.2 28.8

61 22.8 19.0 28.6

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

250000

200000

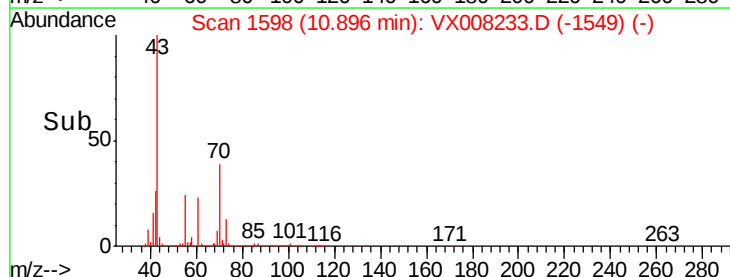
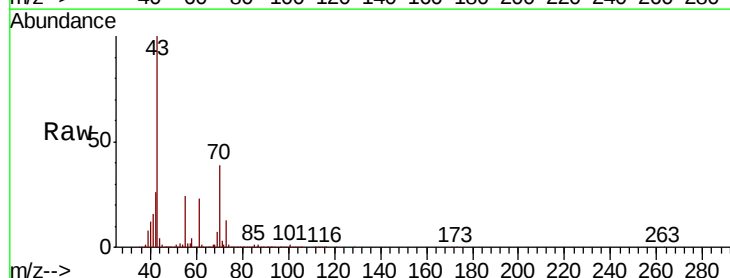
150000

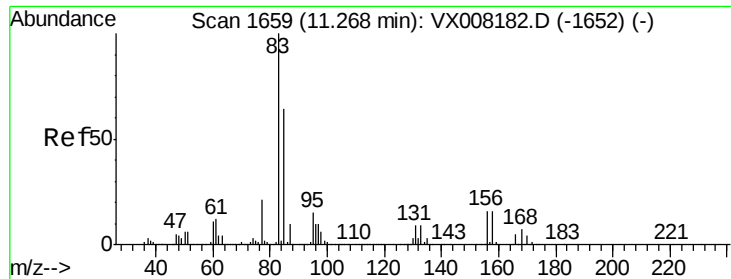
100000

50000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 19.208 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Instrument :

MSVOA_X

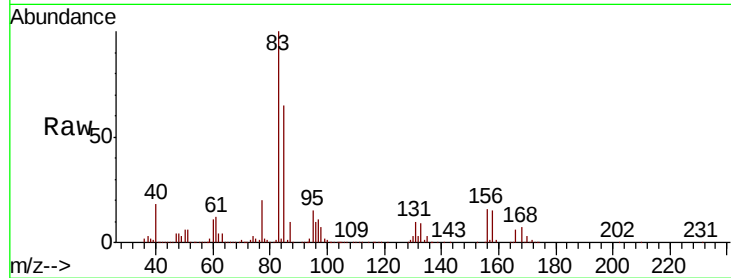
ClientSampleId :

VX0320WBS01

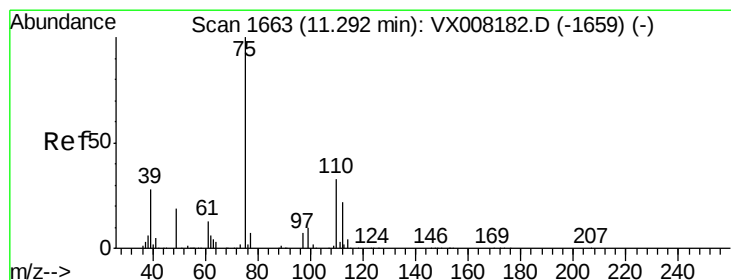
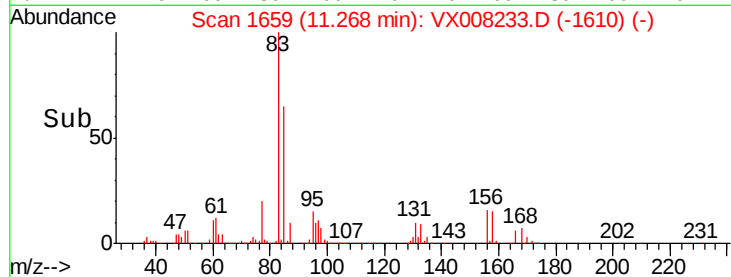
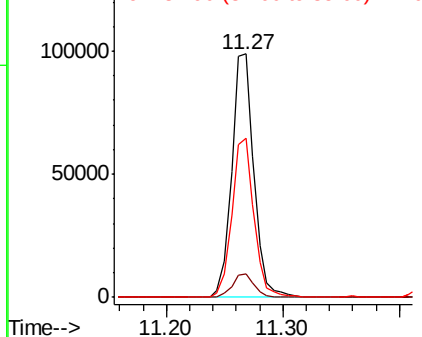
Tot Ion:	83	Resp:	131109
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.4	16.2
85	65.0	32.3	96.8

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.550 ug/l m

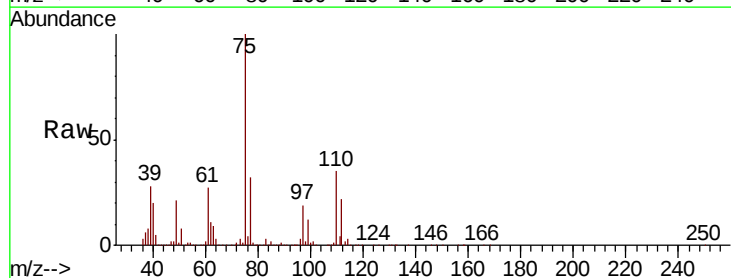
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

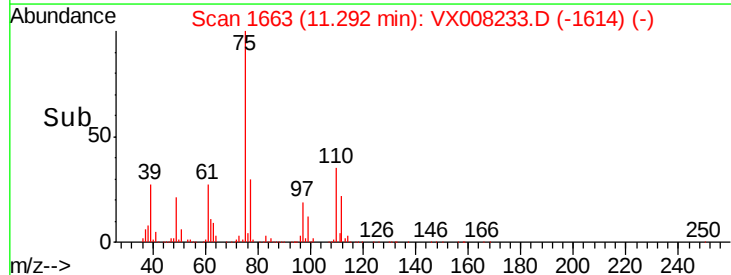
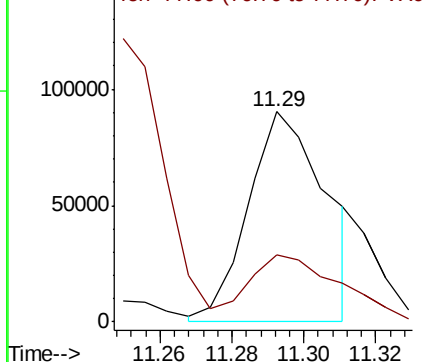
Lab File: VX008233.D

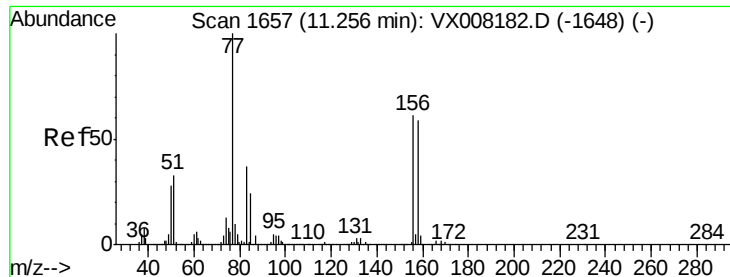
Acq: 20 Mar 2019 11:31

Tgt Ion:	75	Resp:	135449
Ion Ratio	Lower	Upper	
75	100		
77	37.9	18.9	56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.909 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS01

Tot Ion:156 Resp: 91630

Ion Ratio Lower Upper

156 100

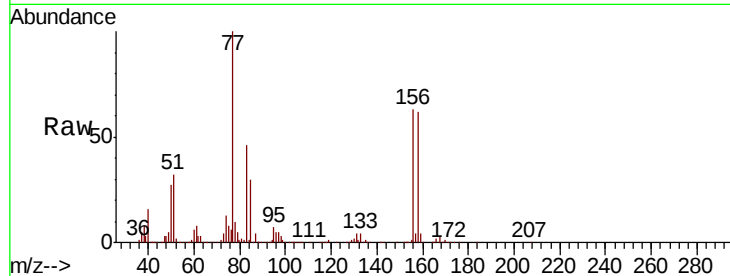
77 173.6 72.0 215.9

158 97.8 48.6 145.9

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

150000

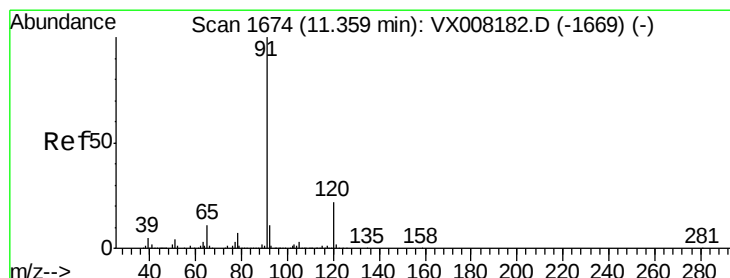
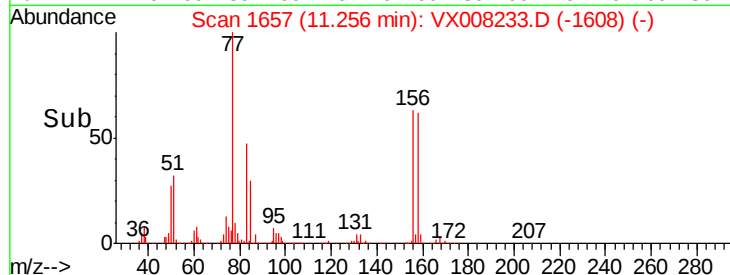
100000

50000

0

11.20 11.30

Time-->



#78

n-propylbenzene

Concen: 20.669 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008233.D

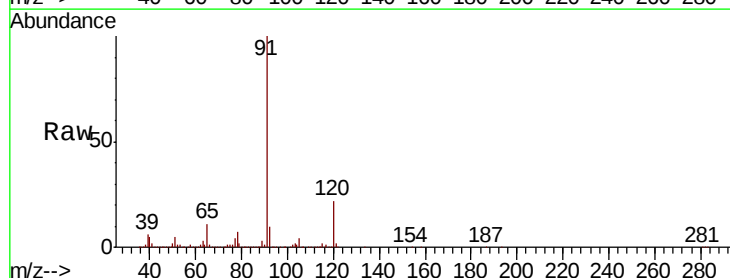
Acq: 20 Mar 2019 11:31

Tgt Ion: 91 Resp: 456972

Ion Ratio Lower Upper

91 100

120 22.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

400000

300000

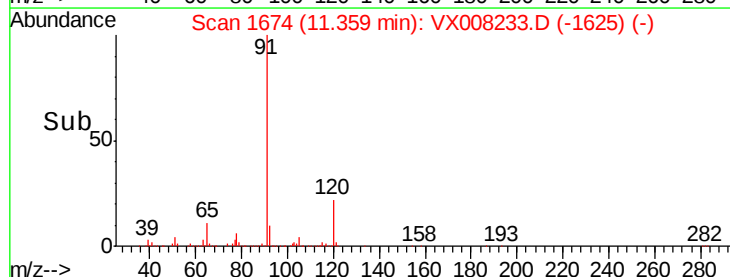
200000

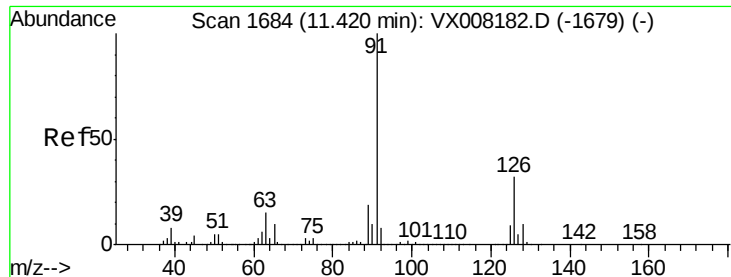
100000

0

11.30 11.35 11.40

Time-->





#79

2-Chlorotoluene

Concen: 20.140 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS01

Tot Ion: 91 Resp: 267266

Ion Ratio Lower Upper

91 100

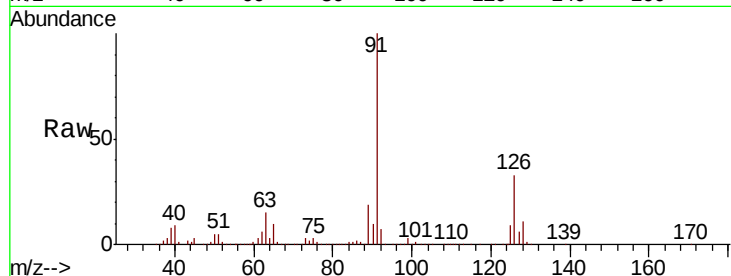
126 31.9 17.5 52.6

Manual Integrations

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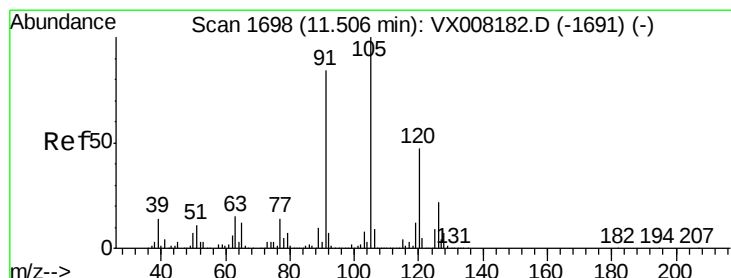
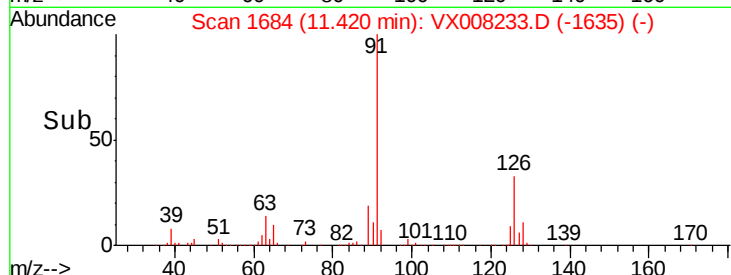
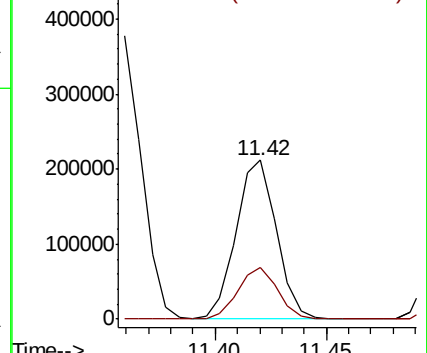
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.512 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008233.D

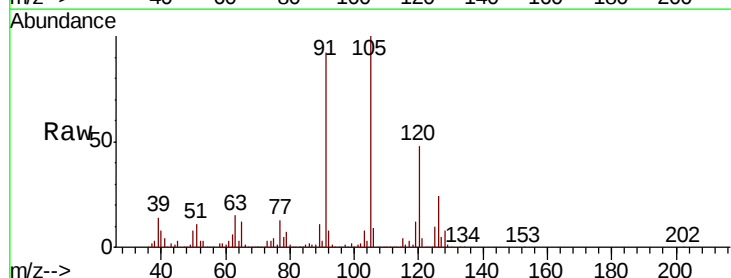
Acq: 20 Mar 2019 11:31

Tgt Ion:105 Resp: 322577

Ion Ratio Lower Upper

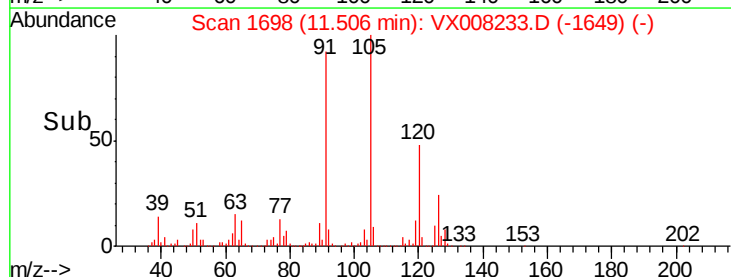
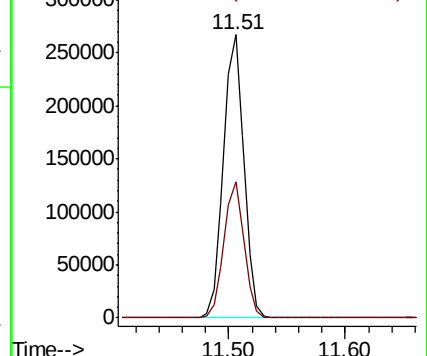
105 100

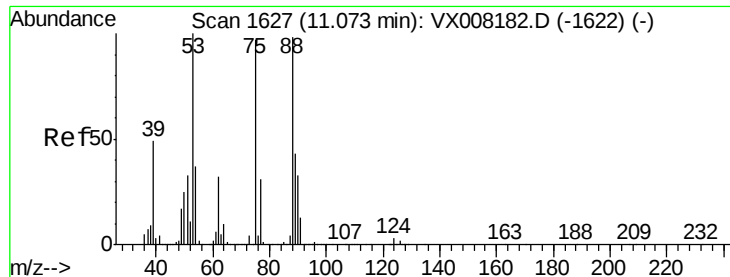
120 47.3 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





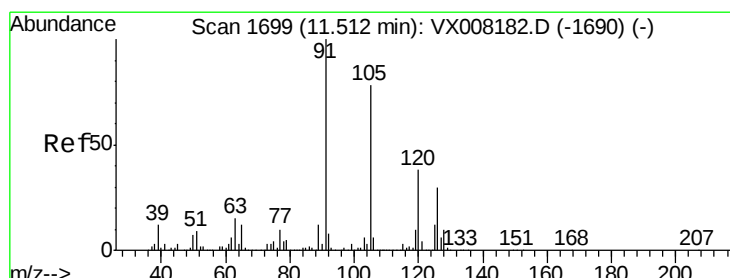
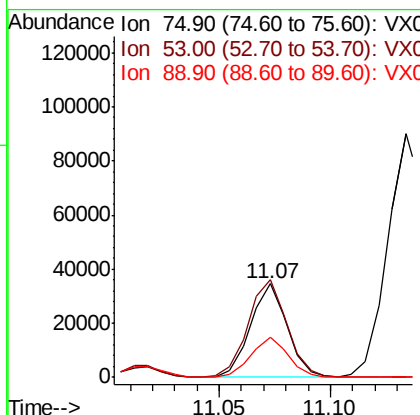
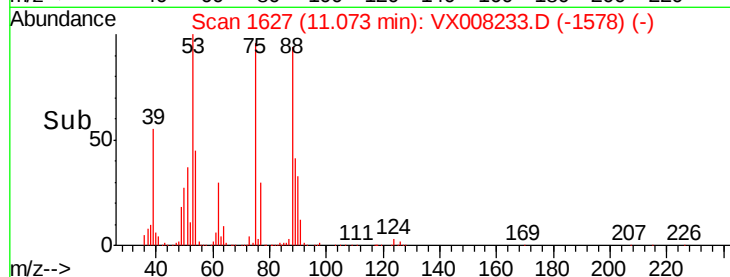
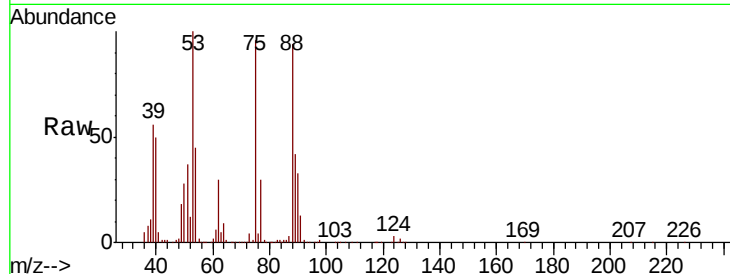
#81
trans-1,4-Dichloro-2-butene
Concen: 17.814 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.7	76.1	114.1
89	44.2	36.3	54.5

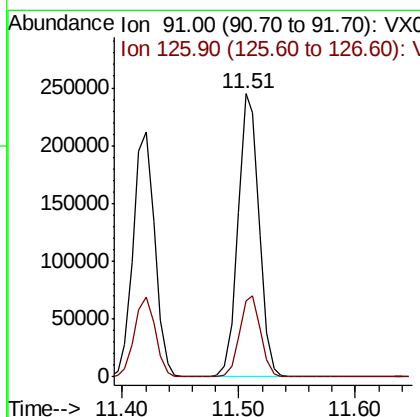
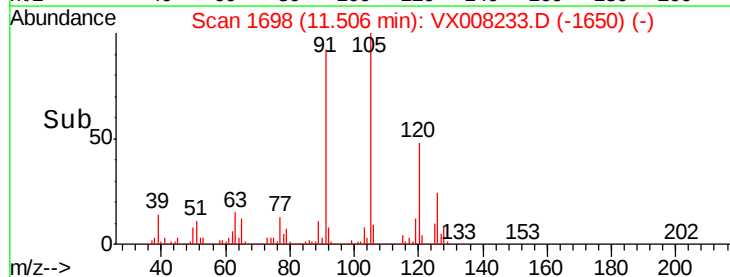
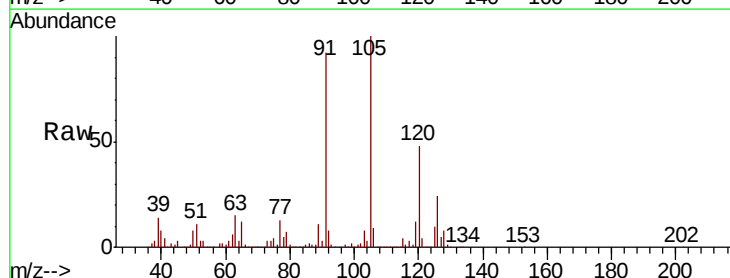
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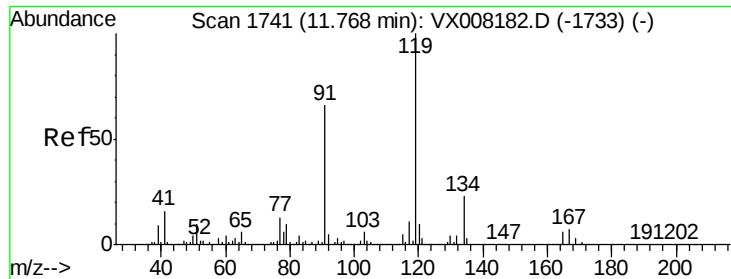
MMDadoda
3/22/2019 2:50:38 PM



#82
4-Chlorotoluene
Concen: 19.942 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.5	15.6	46.8





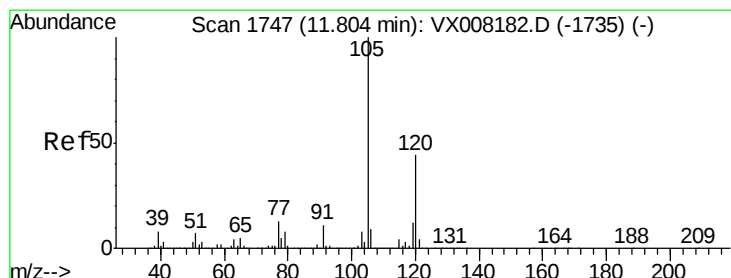
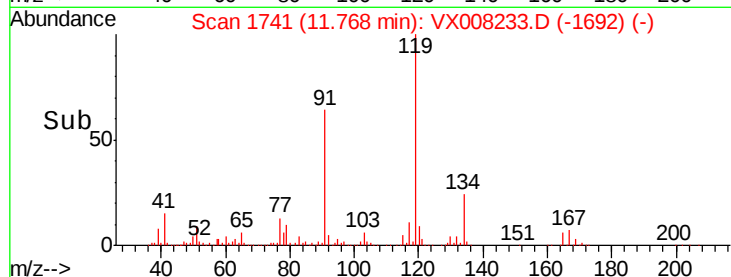
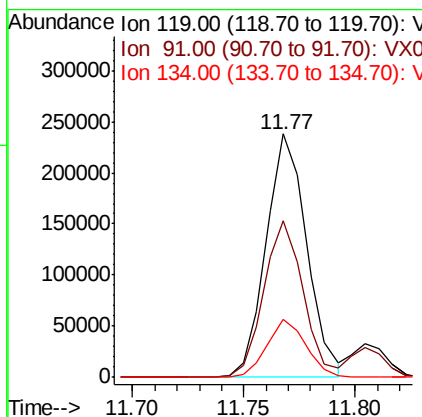
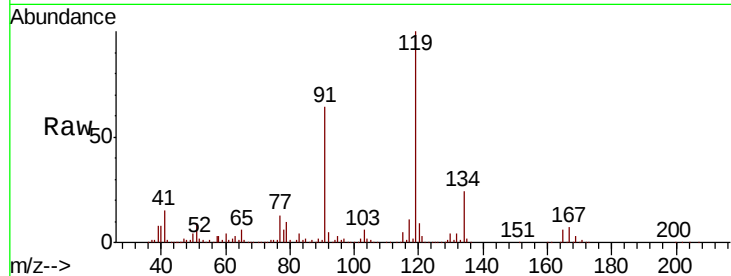
#83
tert-Butylbenzene
Concen: 20.137 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.3	27.1	81.3
134	22.9	11.4	34.1

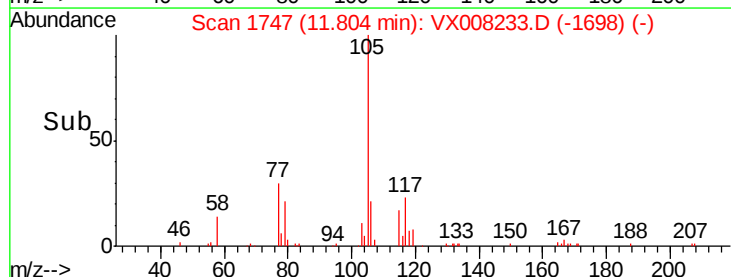
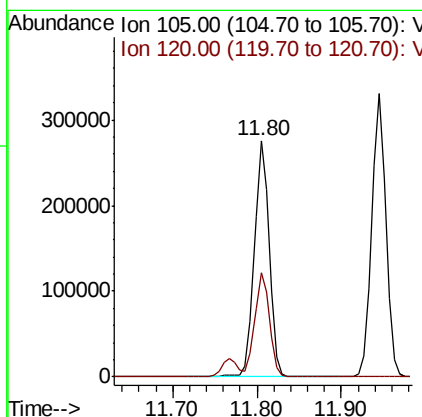
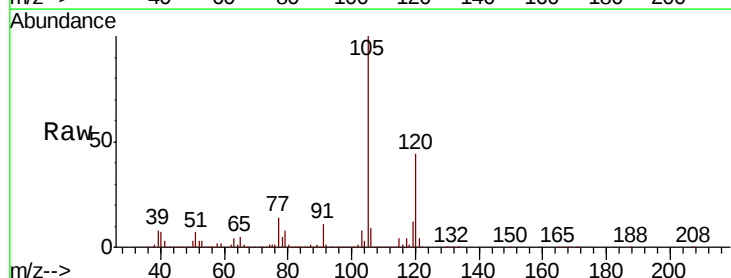
Manual Integrations
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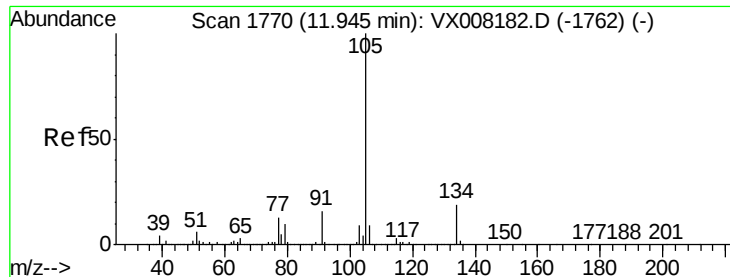
MMDadoda
3/22/2019 2:50:38 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.582 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.6	67.7





#85

sec-Butylbenzene

Concen: 20.804 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS01

Tot Ion:105 Resp: 386818

Ion Ratio Lower Upper

105 100

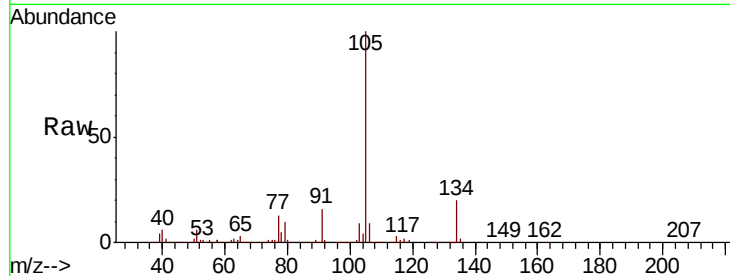
134 19.5 10.4 31.2

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

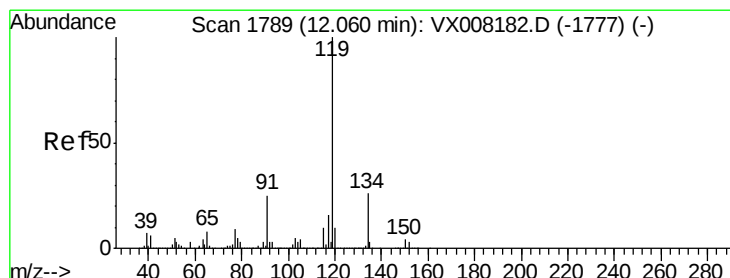
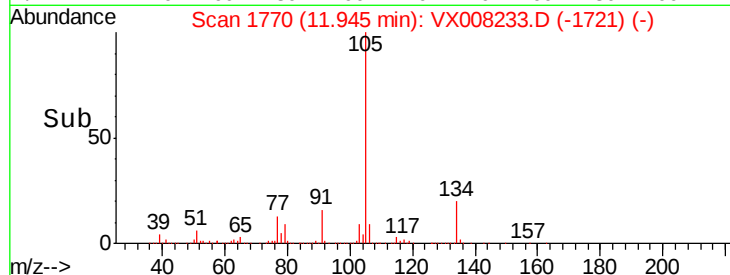
300000

200000

100000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 20.782 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

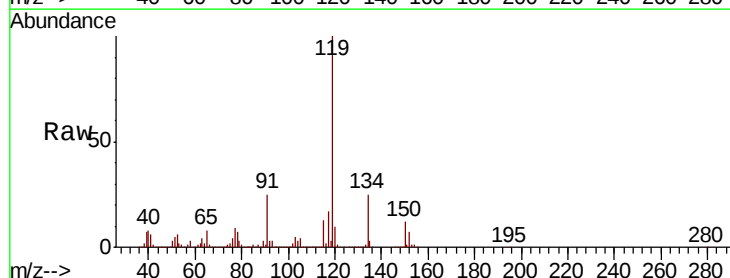
Tgt Ion:119 Resp: 334482

Ion Ratio Lower Upper

119 100

134 25.8 13.3 39.9

91 24.8 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

400000

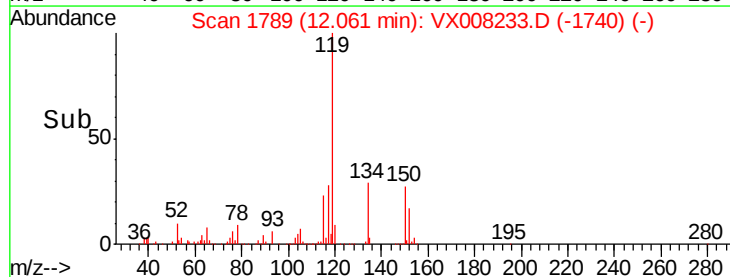
300000

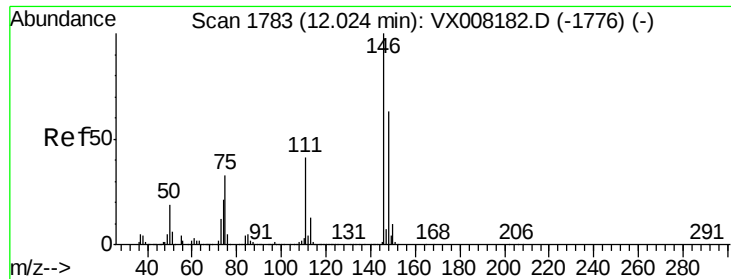
200000

100000

0

Time--> 12.00 12.10





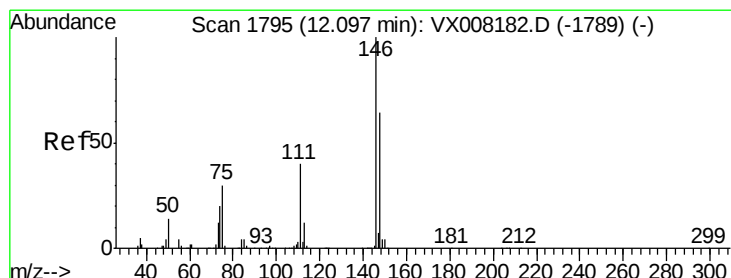
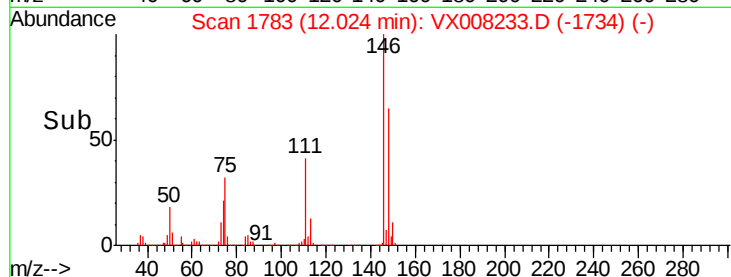
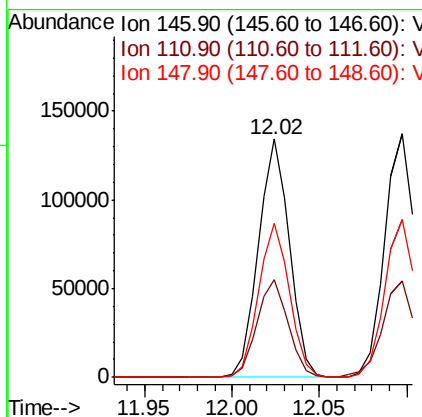
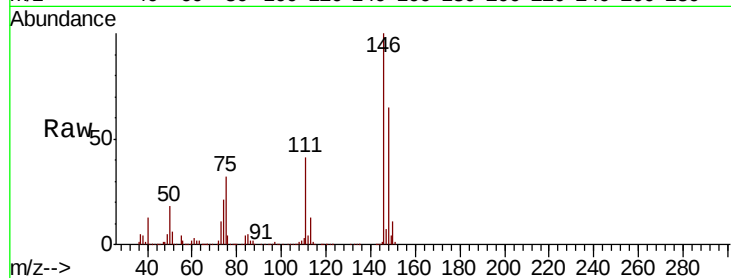
#87
 1,3-Dichlorobenzene
 Concen: 20.057 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008233.D
 Acq: 20 Mar 2019 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	18.9	56.7
148	64.5	31.7	95.1

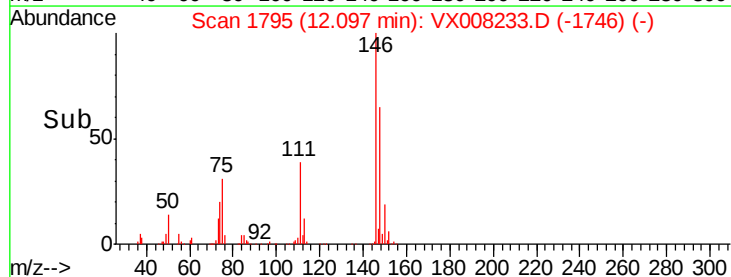
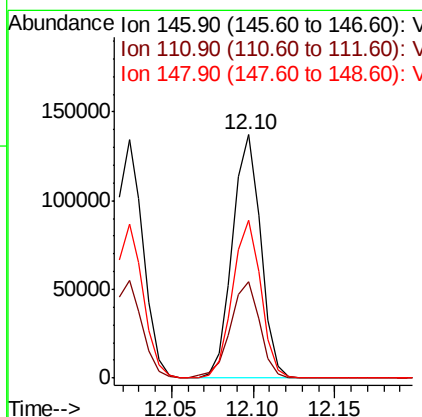
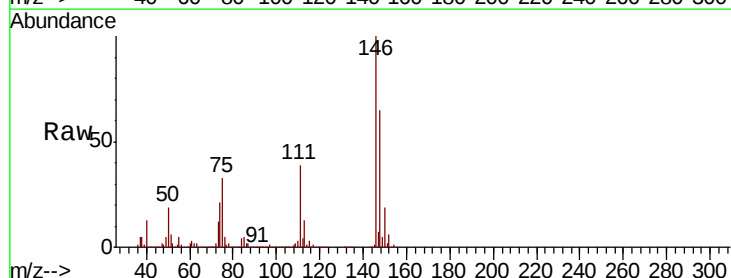
Manual Integrations
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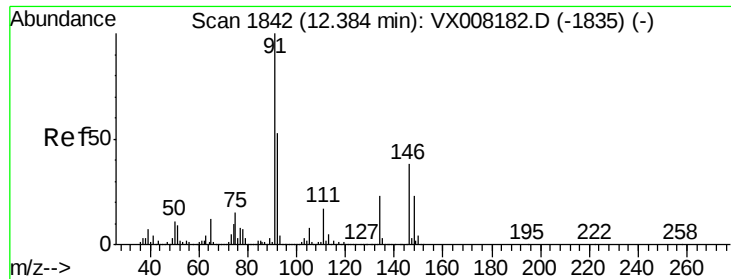
MMDadoda
 3/22/2019 2:50:38 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.407 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008233.D
 Acq: 20 Mar 2019 11:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	18.4	55.0
148	65.3	32.2	96.6





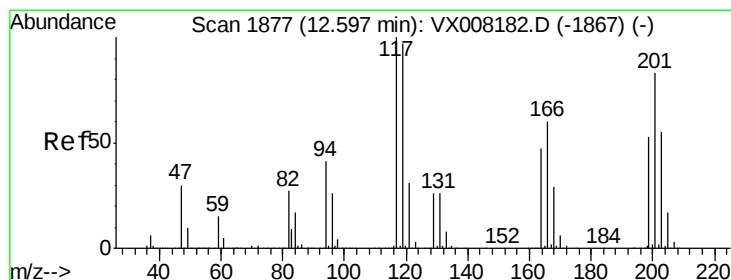
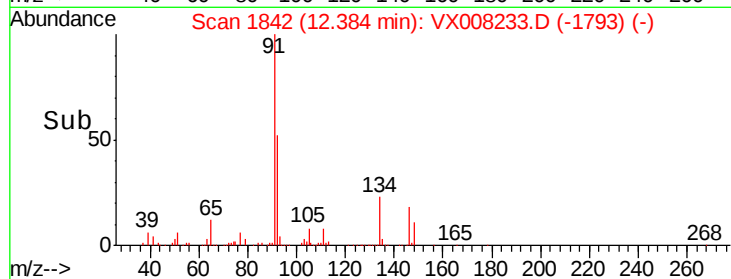
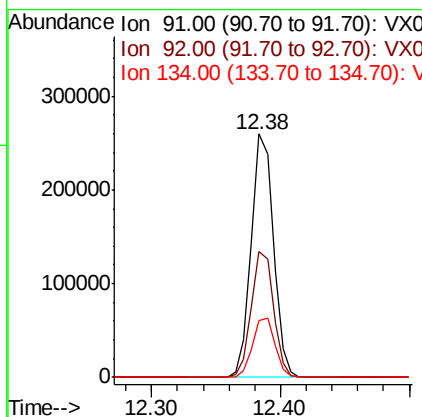
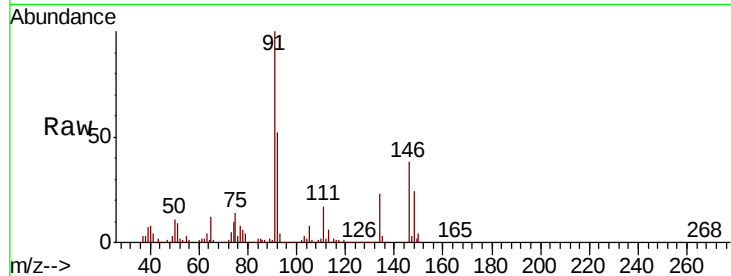
#89
n-Butylbenzene
Concen: 20.256 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	27.0	80.8
134	24.6	13.7	41.0

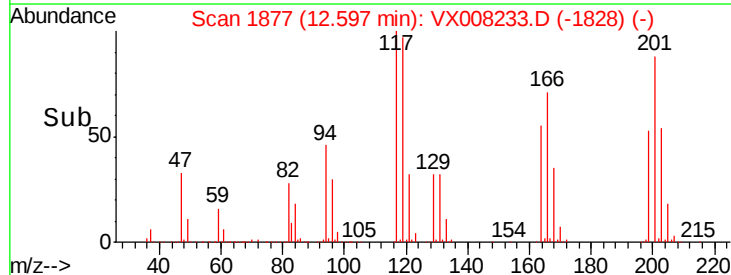
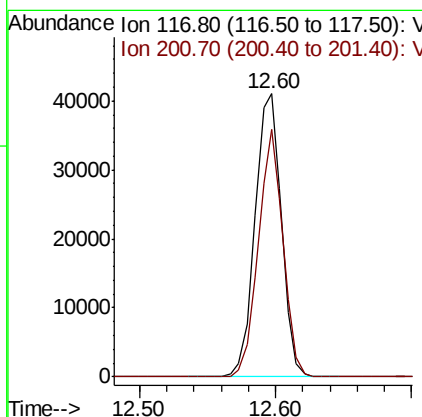
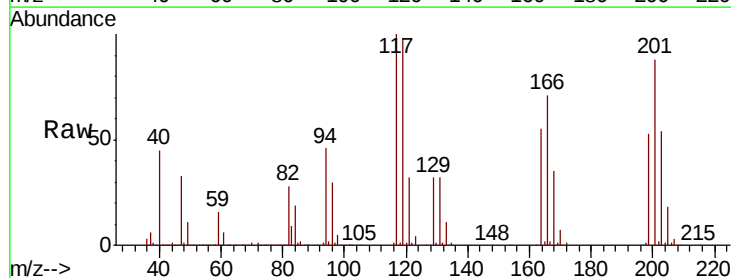
Manual Integrations
APPROVED

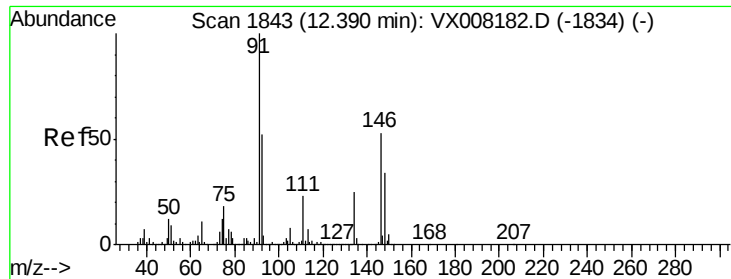
MMDadoda
3/22/2019 2:50:38 PM



#90
Hexachloroethane
Concen: 20.430 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008233.D
Acq: 20 Mar 2019 11:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.3	48.9	146.7





#91

1,2-Dichlorobenzene

Concen: 19.960 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Instrument :

MSVOA_X

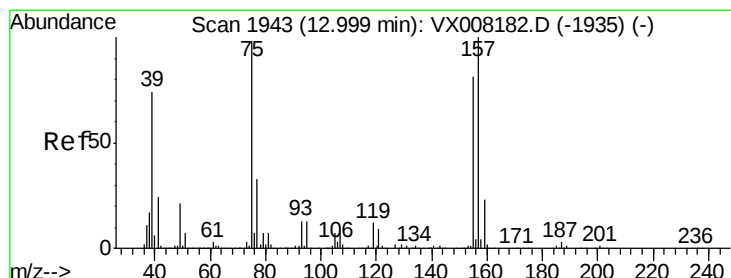
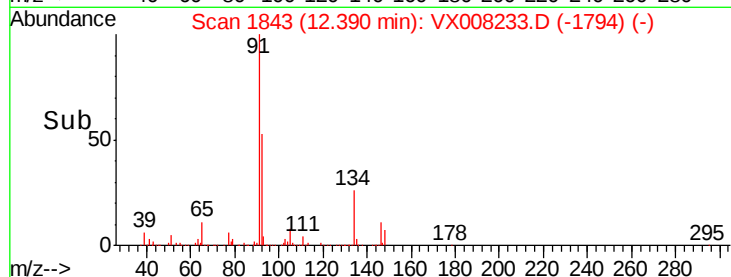
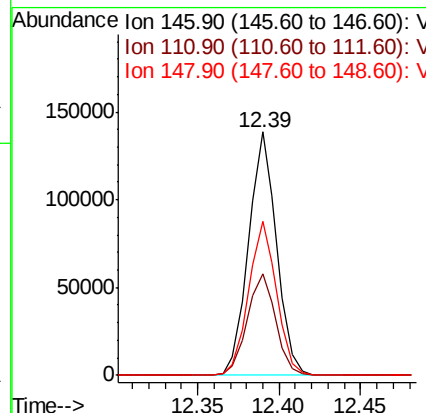
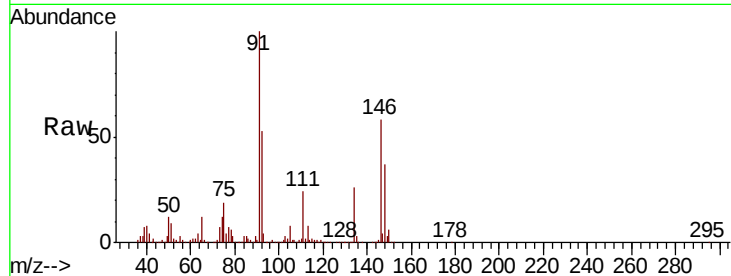
ClientSampleId :

VX0320WBS01

Tot Ion:	146	Resp:	165534
Ion Ratio	Lower	Upper	
146	100		
111	42.3	19.6	58.8
148	63.0	31.9	95.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.864 ug/l

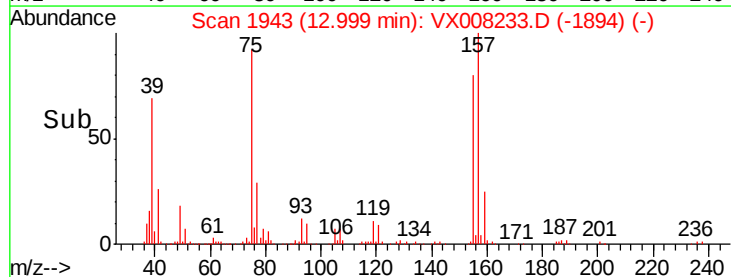
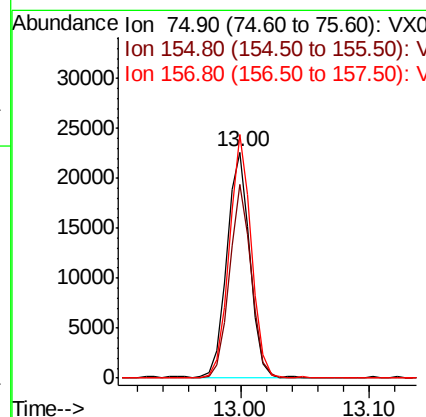
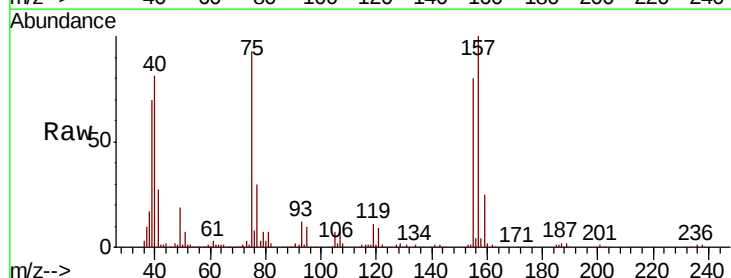
RT: 13.00 min Scan# 1943

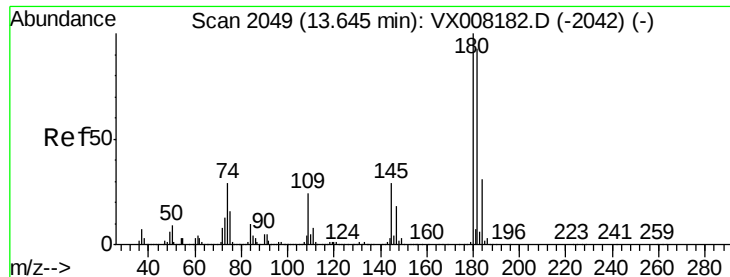
Delta R.T. 0.00 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Tgt Ion:	75	Resp:	28599
Ion Ratio	Lower	Upper	
75	100		
155	80.9	49.7	149.1
157	102.4	63.8	191.4





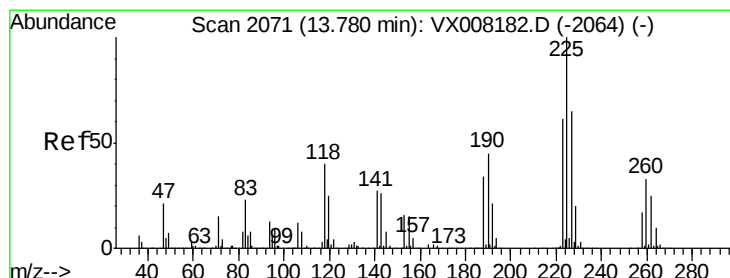
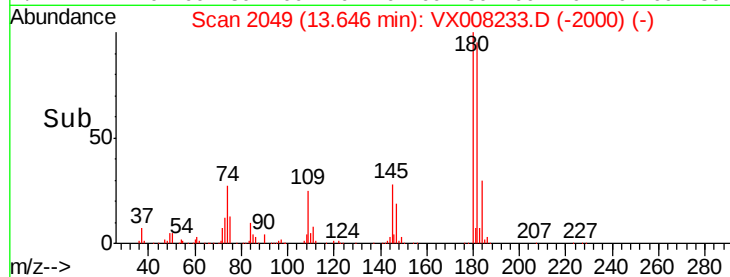
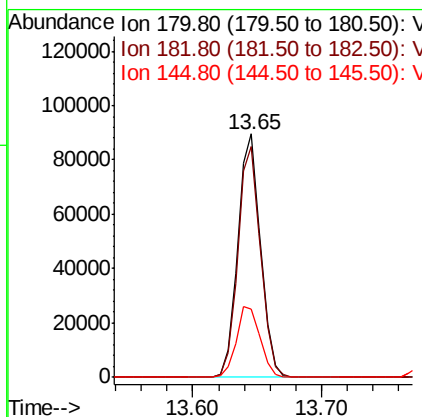
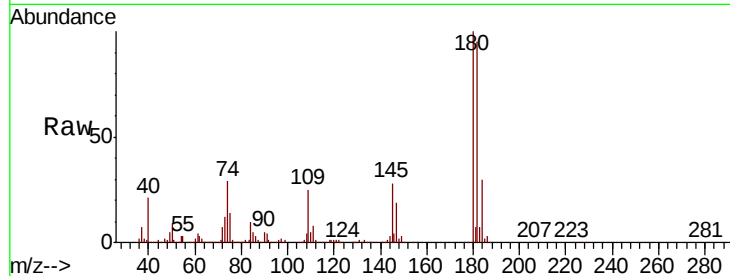
#93
 1,2,4-Trichlorobenzene
 Concen: 20.047 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008233.D
 Acq: 20 Mar 2019 11:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	109512		
182	94.7	47.9	143.7	
145	30.2	14.1	42.4	

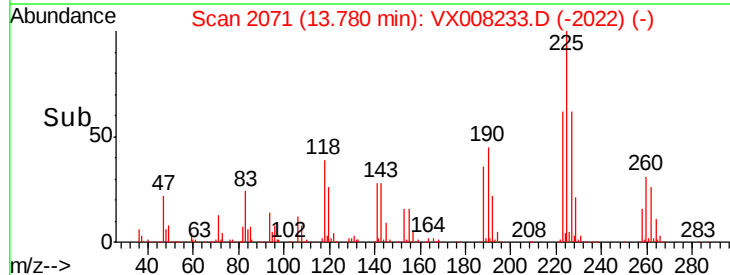
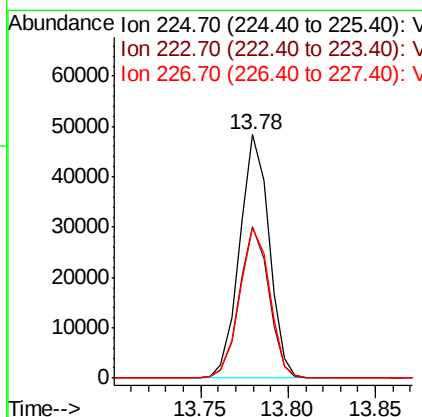
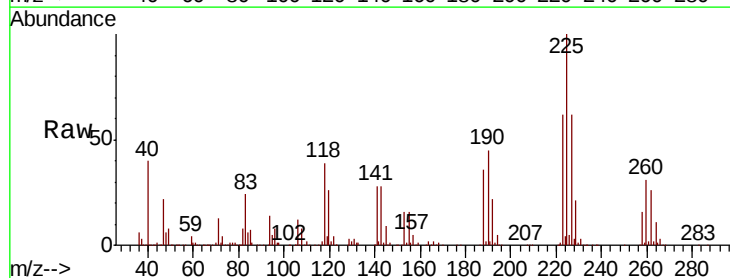
Manual Integrations
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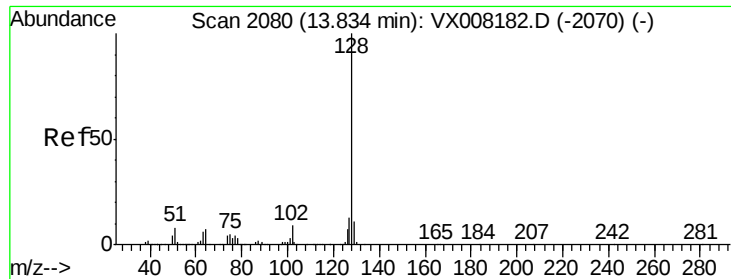
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#94
 Hexachlorobutadiene
 Concen: 21.334 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008233.D
 Acq: 20 Mar 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56840		
223	62.5	31.1	93.2	
227	63.0	32.0	96.0	





#95

Naphthalene

Concen: 19.885 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Instrument :

MSVOA_X

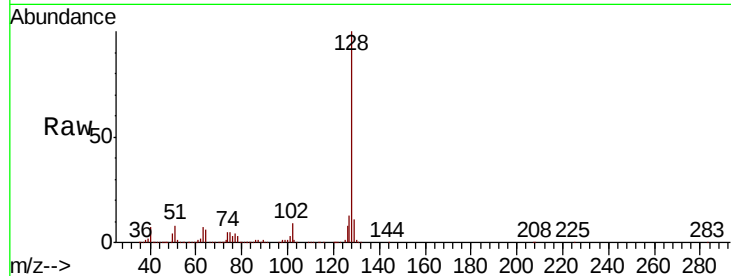
ClientSampleId :

VX0320WBS01

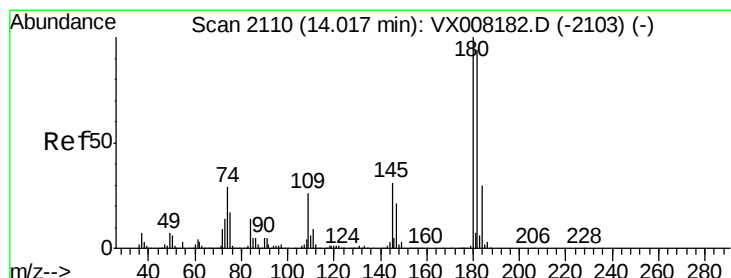
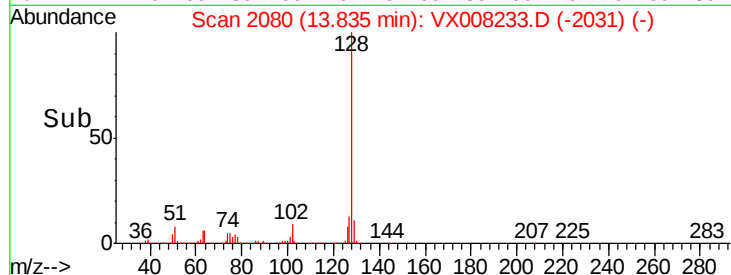
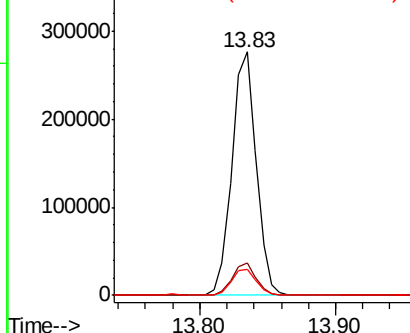
Tot Ion:	128	Resp:	342850
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	10.9	8.7	13.1

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



#96

1,2,3-Trichlorobenzene

Concen: 20.116 ug/l

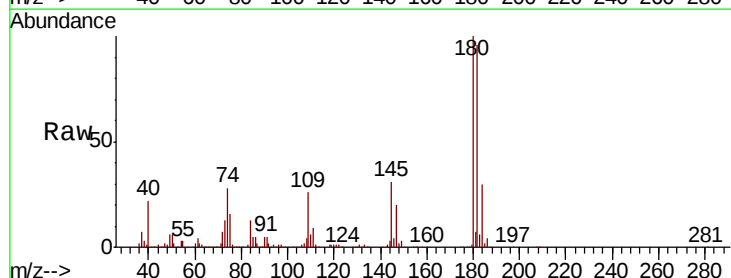
RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008233.D

Acq: 20 Mar 2019 11:31

Tgt Ion:	180	Resp:	108130
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.5	142.5
145	32.5	14.8	44.3



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

