

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010819\
 Data File : VX006953.D
 Acq On : 08 Jan 2019 13:45
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 1/9/2019 10:25:14 AM

Quant Time: Jan 08 14:06:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 13:37:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	579920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	847182	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	740490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	412005	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	892620	146.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	293.24%	
35) Dibromofluoromethane	5.51	113	827927	153.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	306.54%	
50) Toluene-d8	8.71	98	2921558	146.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.84%	
62) 4-Bromofluorobenzene	11.14	95	1069419	155.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	311.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	751118	159.363	ug/l	98
3) Chloromethane	1.32	50	791010	141.301	ug/l	98
4) Vinyl Chloride	1.41	62	869986	145.086	ug/l	99
5) Bromomethane	1.64	94	859482	132.231	ug/l	98
6) Chloroethane	1.71	64	693449	170.285	ug/l	100
7) Trichlorofluoromethane	1.92	101	1440454	149.387	ug/l	99
8) Diethyl Ether	2.19	74	556338	144.187	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	848358	146.483	ug/l	100
10) Methyl Iodide	2.51	142	1264623	165.973	ug/l	100
11) Tert butyl alcohol	3.11	59	1070108	748.126	ug/l	98
12) 1,1-Dichloroethene	2.37	96	807628	151.837	ug/l	99
13) Acrolein	2.30	56	474056	717.983	ug/l	98
14) Allyl chloride	2.73	41	1417312	156.236	ug/l	99
15) Acrylonitrile	3.16	53	2355686	711.640	ug/l	100
16) Acetone	2.46	43	2020278	660.936	ug/l	100
17) Carbon Disulfide	2.56	76	2184919	161.206	ug/l	99
18) Methyl Acetate	2.78	43	1212495	137.854	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	2764689	149.337	ug/l	99
20) Methylene Chloride	2.85	84	847121	130.400	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	862124	144.215	ug/l	96
22) Diisopropyl ether	3.87	45	2494136	144.323	ug/l	95
23) Vinyl Acetate	3.83	43	10754051	741.109	ug/l	100
24) 1,1-Dichloroethane	3.70	63	1408275	146.009	ug/l	99
25) 2-Butanone	4.71	43	2949453	676.787	ug/l	100
26) 2,2-Dichloropropane	4.58	77	1137734	154.928	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	940991	142.420	ug/l	98
28) Bromochloromethane	5.02	49	589062	138.177	ug/l	97
29) Tetrahydrofuran	5.16	42	1962195	695.798	ug/l	97
30) Chloroform	5.22	83	1469224	145.391	ug/l	99
31) Cyclohexane	5.57	56	1262997	147.344	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	1328245	157.098	ug/l	99
36) 1,1-Dichloropropene	5.80	75	1109278	150.725	ug/l	99
37) Ethyl Acetate	4.86	43	1155655	145.640	ug/l	98
38) Carbon Tetrachloride	5.78	117	1192388	163.276	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	1383611	146.831	ug/l	97
40) Benzene	6.14	78	3291080	145.744	ug/l	99
41) Methacrylonitrile	5.07	41	628726	136.072	ug/l	98
42) 1,2-Dichloroethane	6.20	62	1101828	140.351	ug/l	99
43) Isopropyl Acetate	6.46	43	1869998	150.158	ug/l	98
44) Trichloroethene	7.21	130	975802	143.911	ug/l	98
45) 1,2-Dichloropropane	7.52	63	826525	145.561	ug/l	98
46) Dibromomethane	7.66	93	593913	149.477	ug/l	96
47) Bromodichloromethane	7.90	83	1102187	165.957	ug/l	98
48) Methyl methacrylate	7.78	41	928900	144.301	ug/l	97
49) 1,4-Dioxane	7.76	88	431002	2594.971	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	5869432	729.977	ug/l	100
52) Toluene	8.79	92	2063176	141.476	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	1246076	169.937	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	1351358	166.205	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	844530	145.303	ug/l	99
56) Ethyl methacrylate	9.18	69	1286178	152.862	ug/l	96
57) 1,3-Dichloropropane	9.37	76	1349807	141.090	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	3250122	748.678	ug/l	99
59) 2-Hexanone	9.50	43	4669164	768.585	ug/l	99
60) Dibromochloromethane	9.59	129	955310	174.854	ug/l	99
61) 1,2-Dibromoethane	9.68	107	923640	144.167	ug/l	100
64) Tetrachloroethene	9.34	164	895190	137.731	ug/l	98
65) Chlorobenzene	10.14	112	2329360	143.127	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	877926	164.127	ug/l	99
67) Ethyl Benzene	10.25	91	3871359	144.275	ug/l	98
68) m/p-Xylenes	10.36	106	3104359	294.645	ug/l	99
69) o-Xylene	10.70	106	1512355	147.158	ug/l	98
70) Styrene	10.71	104	2501055	155.002	ug/l	99
71) Bromoform	10.86	173	806844	206.383	ug/l #	99
73) Isopropylbenzene	11.02	105	3966088	134.106	ug/l	99
74) N-amyl acetate	10.90	43	1801327	154.824	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	1346514	145.218	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	1190550m	141.202	ug/l	
77) Bromobenzene	11.26	156	1121095	138.217	ug/l	99
78) n-propylbenzene	11.36	91	4466062	138.196	ug/l	100
79) 2-Chlorotoluene	11.42	91	2623144	134.242	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	3393432	137.912	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	444931	200.150	ug/l	93
82) 4-Chlorotoluene	11.51	91	3204355	143.040	ug/l	100
83) tert-Butylbenzene	11.77	119	3498757	143.397	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	3463036	140.342	ug/l	100
85) sec-Butylbenzene	11.94	105	4069400	138.961	ug/l	100
86) p-Isopropyltoluene	12.07	119	3728879	143.002	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	2057610	140.748	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	2070613	137.181	ug/l	99
89) n-Butylbenzene	12.39	91	3364531	153.067	ug/l	99
90) Hexachloroethane	12.60	117	651161	185.433	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	2051757	142.497	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	295952	164.939	ug/l	98

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VSTDICC150

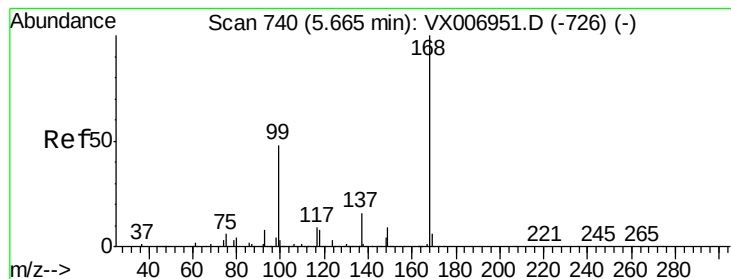
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1489338	152.446	ug/l	99
94) Hexachlorobutadiene	13.78	225	644560	147.930	ug/l	99
95) Naphthalene	13.83	128	4400634	147.902	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	1448591	148.632	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 579920

Ion Ratio Lower Upper

168 100

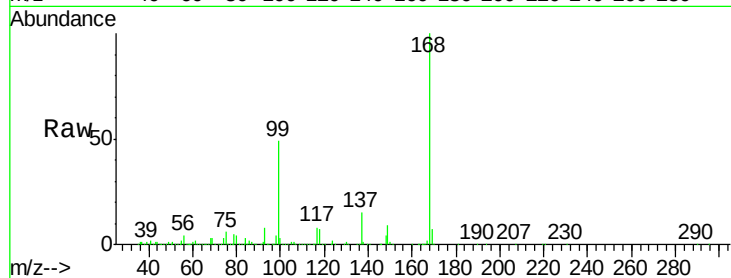
99 48.7 41.8 62.8

Manual Integrations

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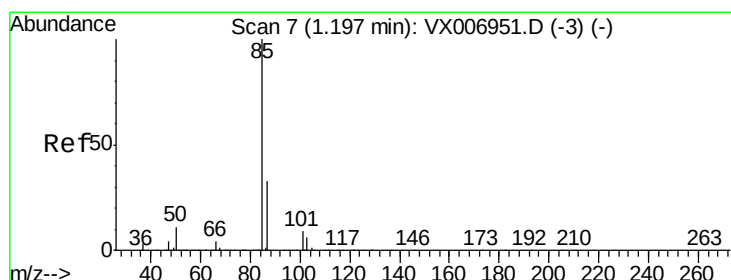
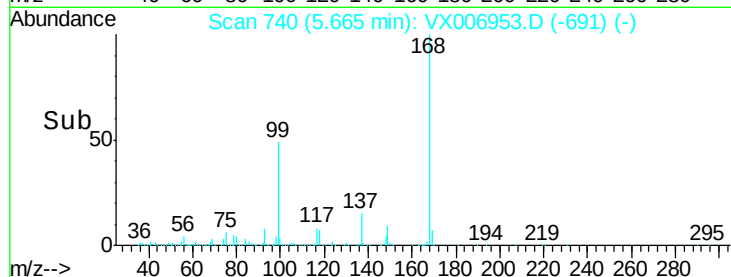
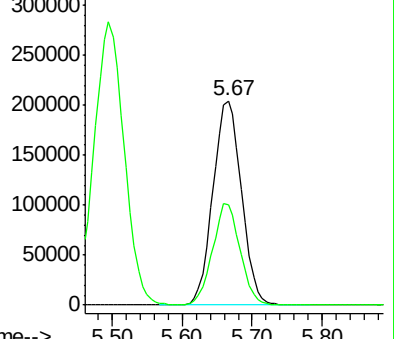
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 159.363 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006953.D

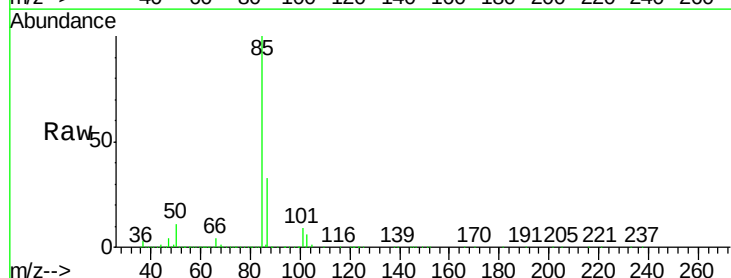
Acq: 08 Jan 2019 13:45

Tgt Ion: 85 Resp: 751118

Ion Ratio Lower Upper

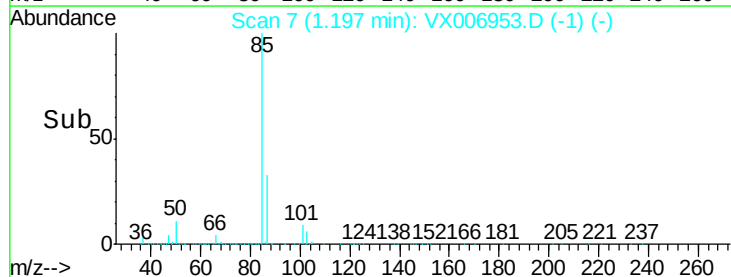
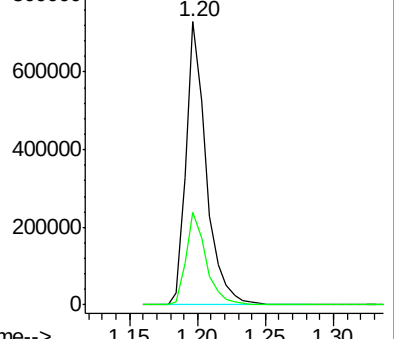
85 100

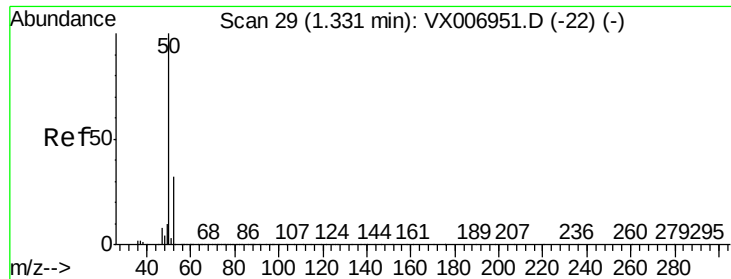
87 32.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 141.301 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 791010

Ion Ratio Lower Upper

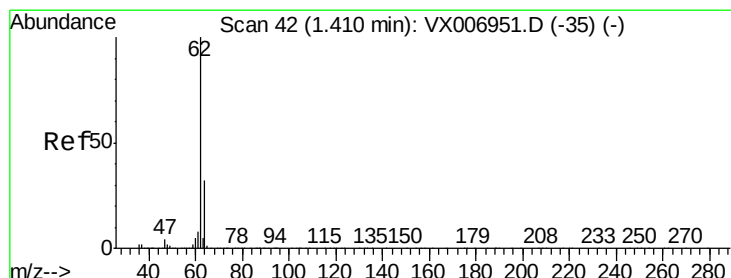
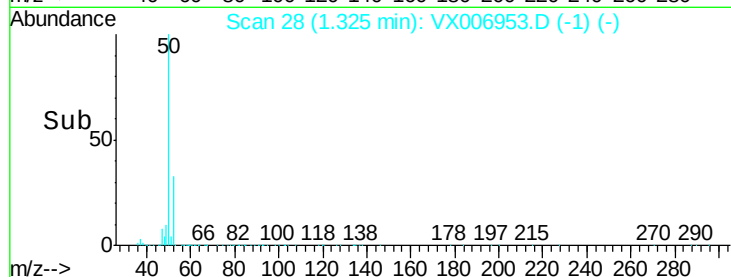
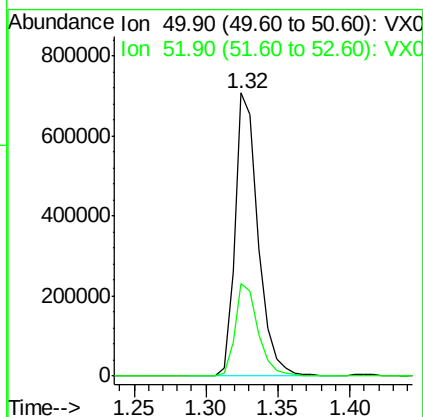
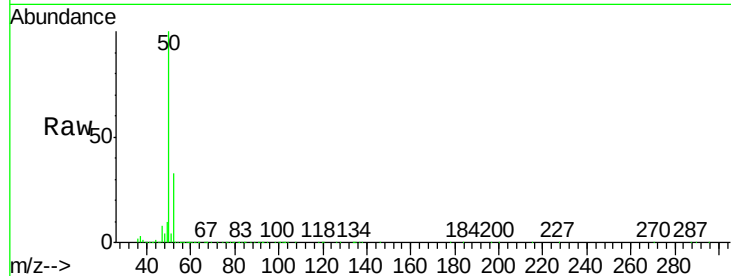
50 100

52 32.8 25.4 38.2

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#4

Vinyl Chloride

Concen: 145.086 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006953.D

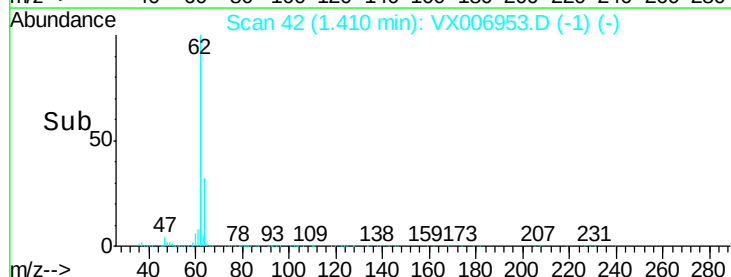
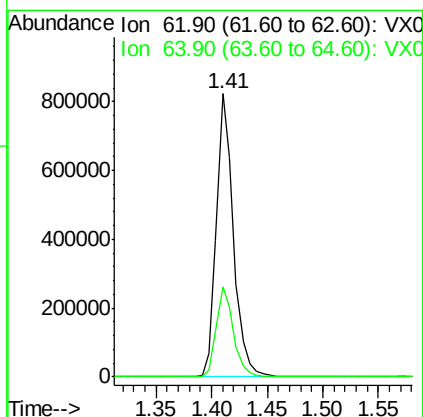
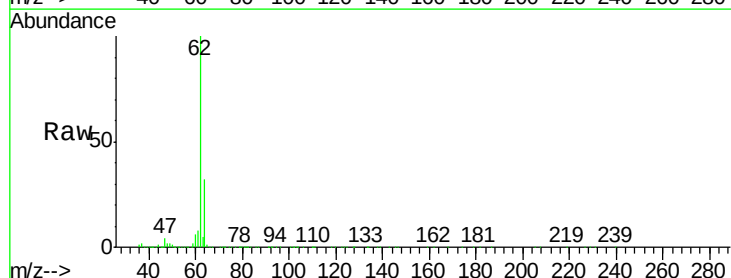
Acq: 08 Jan 2019 13:45

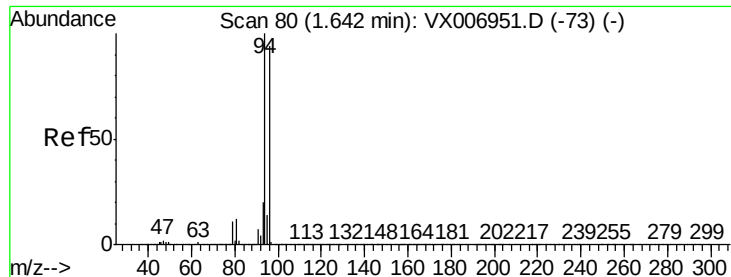
Tgt Ion: 62 Resp: 869986

Ion Ratio Lower Upper

62 100

64 31.9 25.1 37.7





#5

Bromomethane

Concen: 132.231 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 859482

Ion Ratio Lower Upper

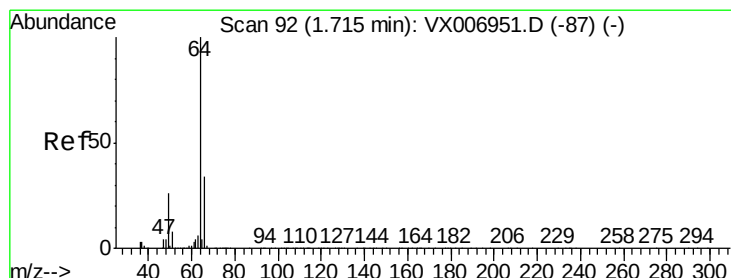
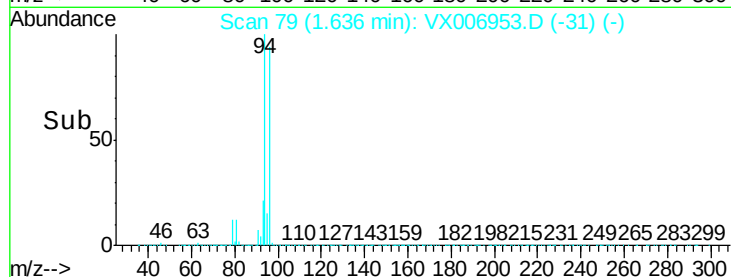
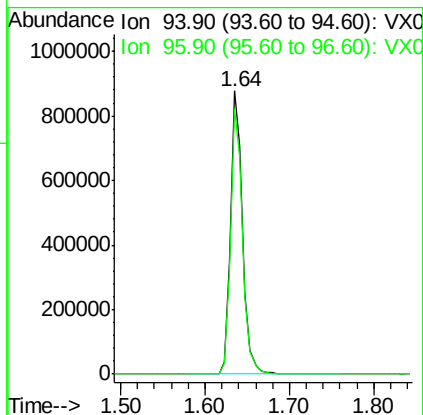
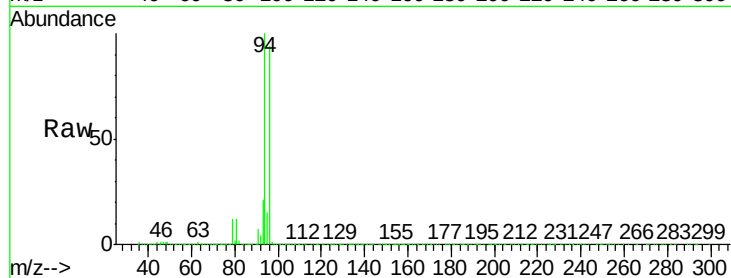
94 100

96 93.7 73.4 110.2

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#6

Chloroethane

Concen: 170.285 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX006953.D

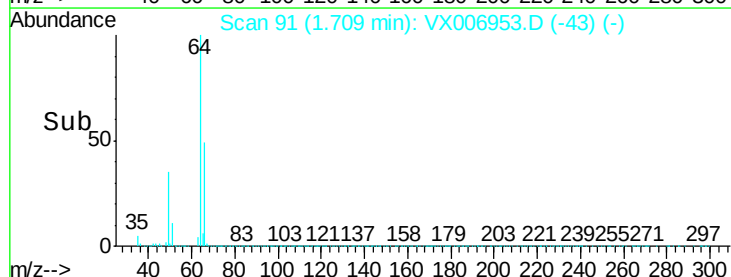
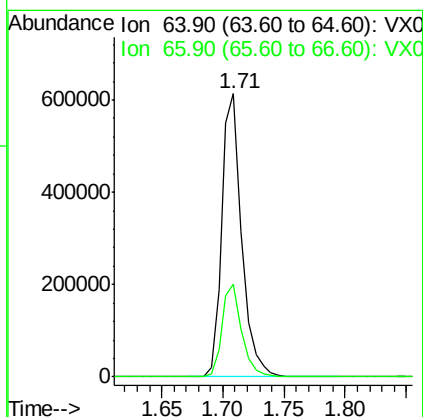
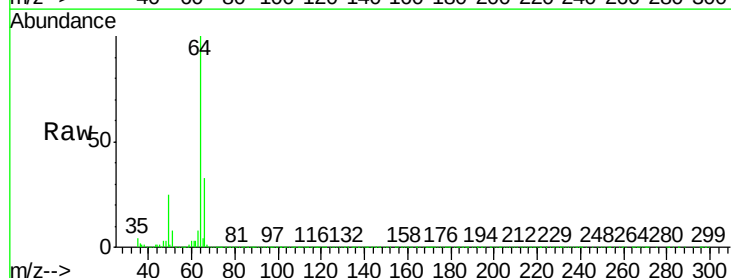
Acq: 08 Jan 2019 13:45

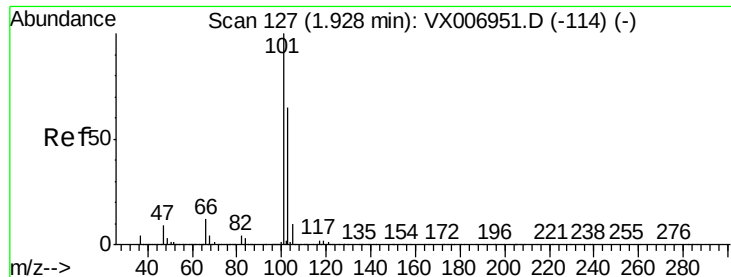
Tgt Ion: 64 Resp: 693449

Ion Ratio Lower Upper

64 100

66 32.8 26.4 39.6





#7

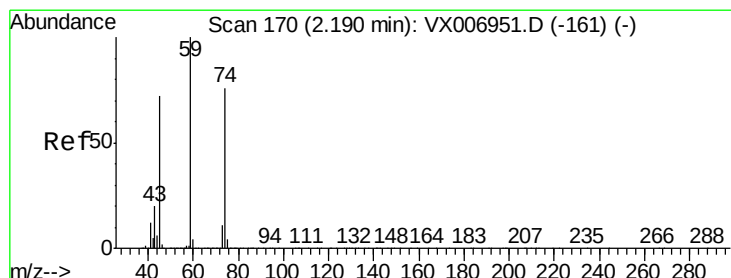
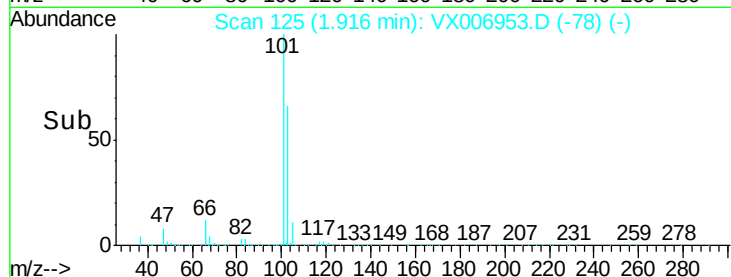
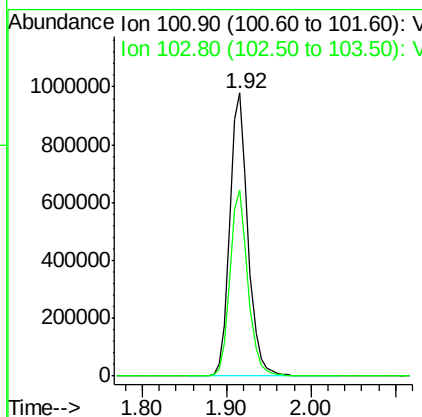
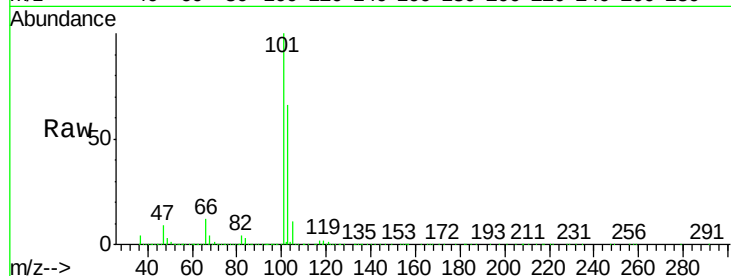
Trichlorofluoromethane
Concen: 149.387 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 1440454
Ion Ratio Lower Upper
101 100
103 65.8 53.2 79.8

Manual Integrations
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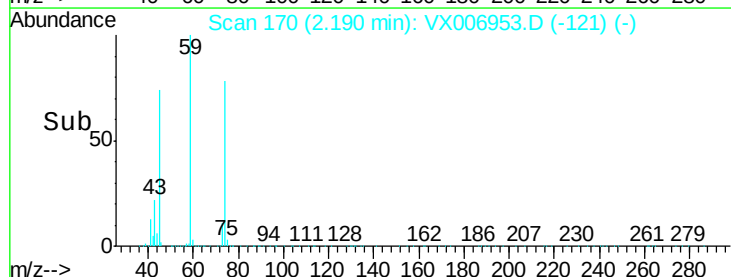
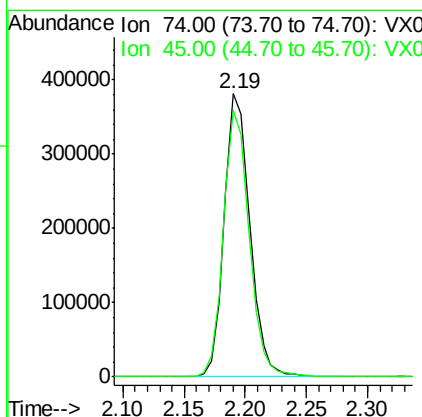
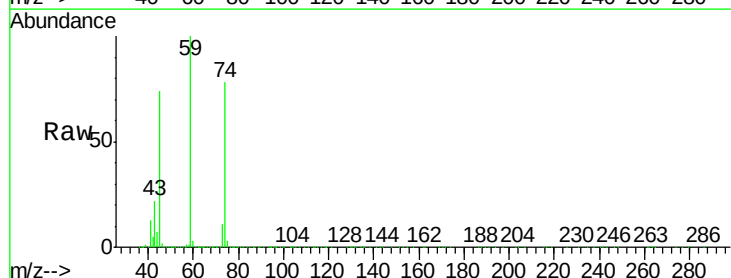
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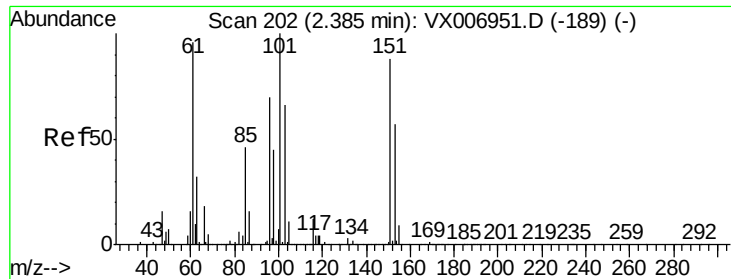


#8

Diethyl Ether
Concen: 144.187 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Tgt Ion: 74 Resp: 556338
Ion Ratio Lower Upper
74 100
45 94.4 46.3 138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 146.483 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Instrument :

MSVOA_X

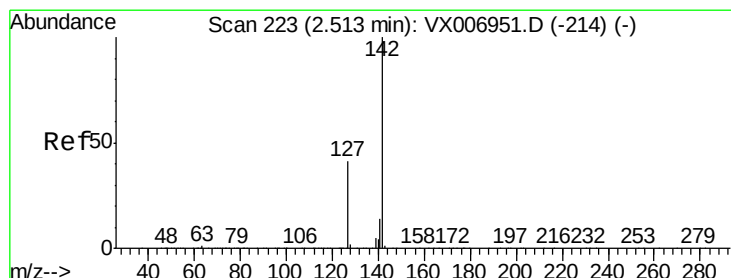
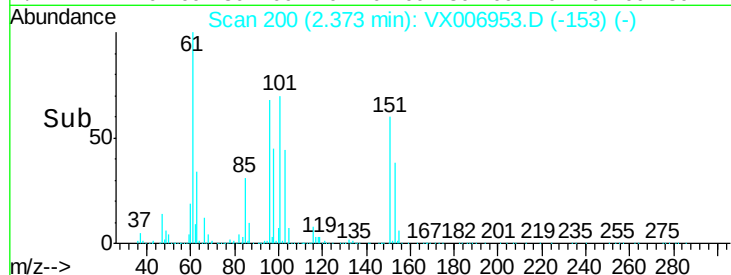
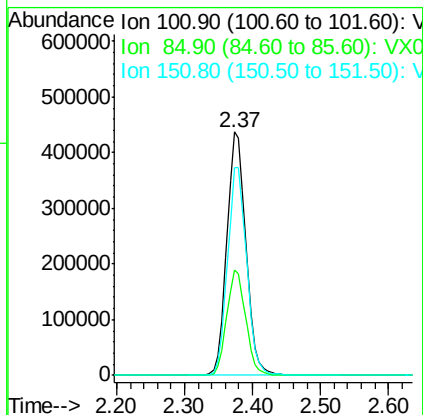
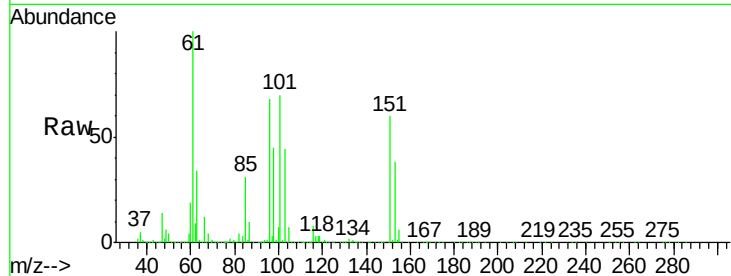
ClientSampled :

VSTDIC150

Tot Ion:	101	Resp:	848358
Ion Ratio	Lower	Upper	
101	100		
85	43.2	35.1	52.7
151	86.1	68.9	103.3

Manual Integrations
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#10

Methyl Iodide

Concen: 165.973 ug/l

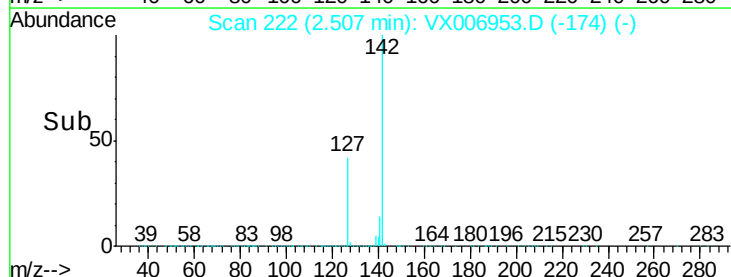
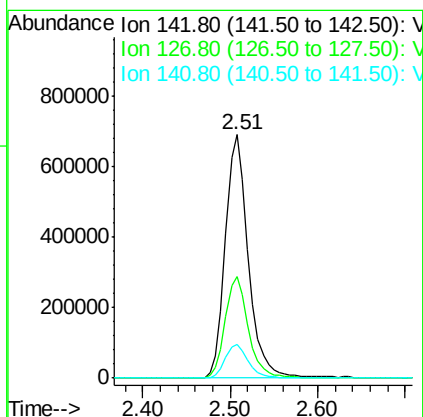
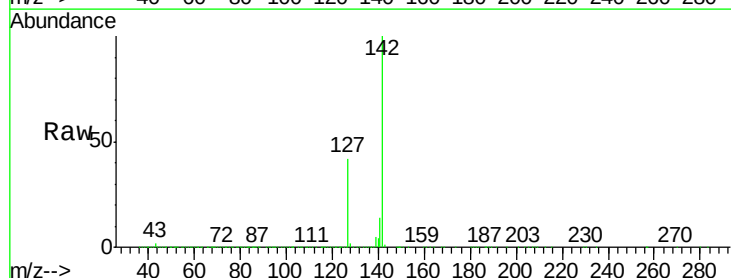
RT: 2.51 min Scan# 222

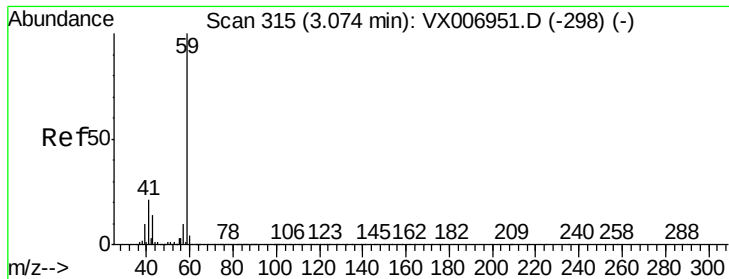
Delta R.T. -0.01 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Tgt Ion:	142	Resp:	1264623
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.9	50.9
141	14.2	11.4	17.0





#11

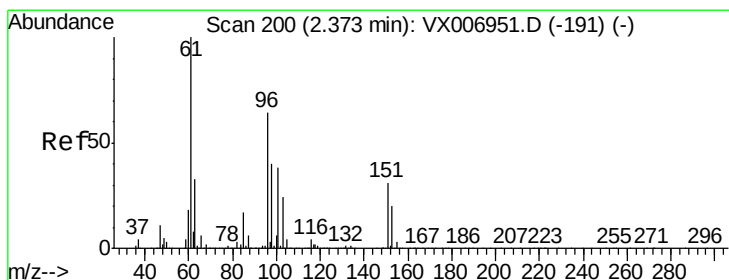
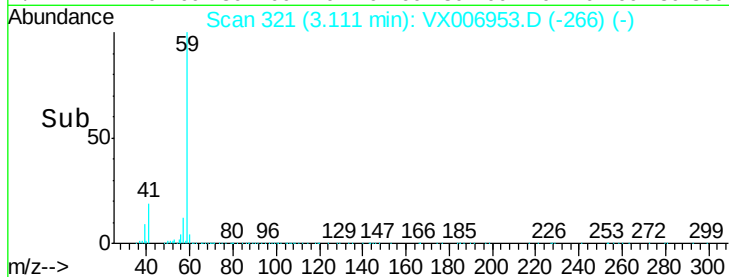
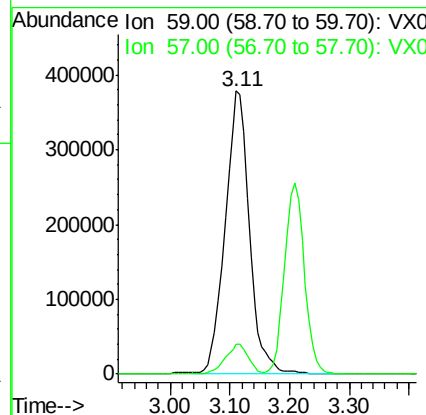
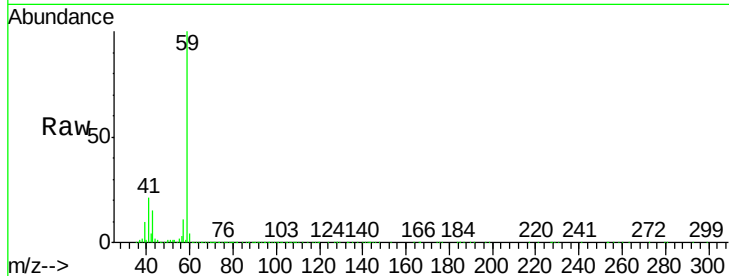
Tert butyl alcohol
Concen: 748.126 ug/l
RT: 3.11 min Scan# 321
Delta R.T. 0.04 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.5	12.7

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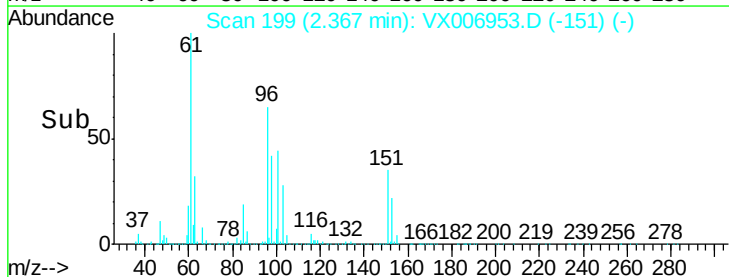
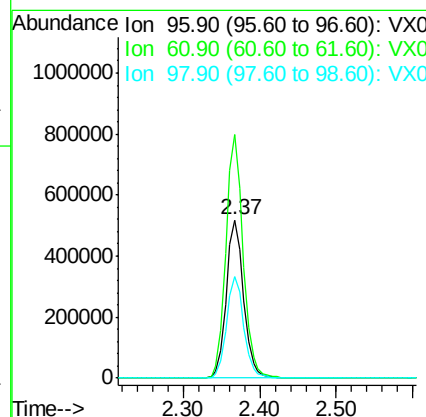
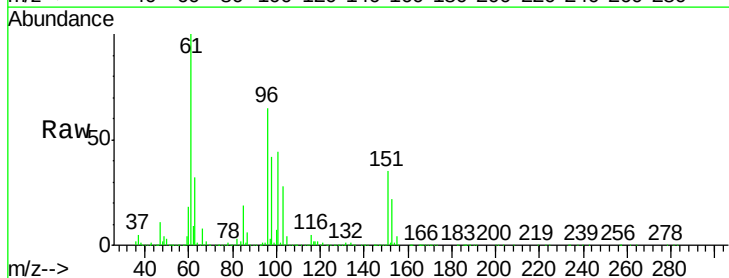
MMDadoda
1/9/2019 10:25:14 AM

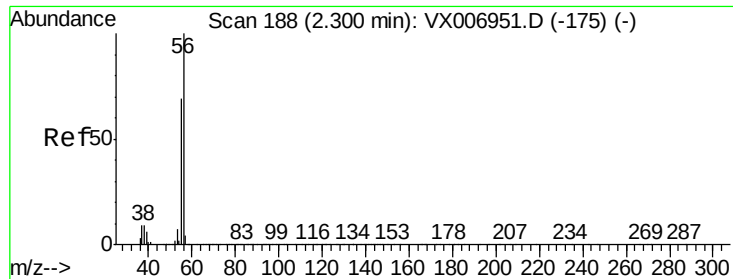


#12

1,1-Dichloroethene
Concen: 151.837 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.1	121.4	182.2
98	64.3	51.9	77.9





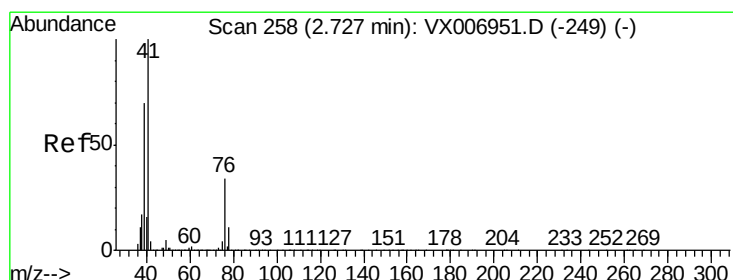
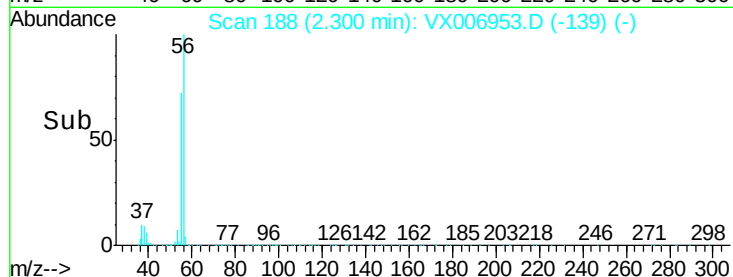
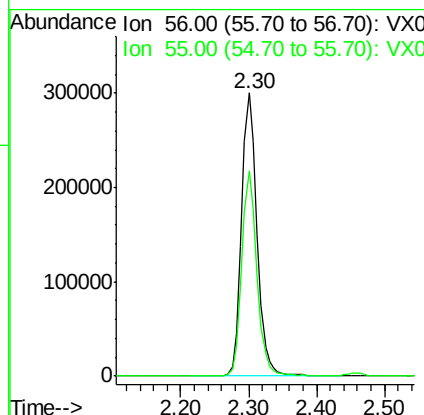
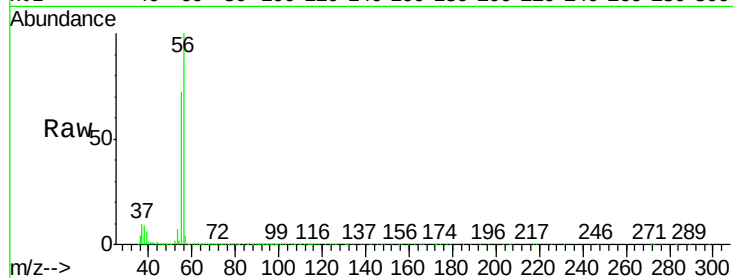
#13
Acrolein
Concen: 717.983 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.00 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.8	58.2	87.4

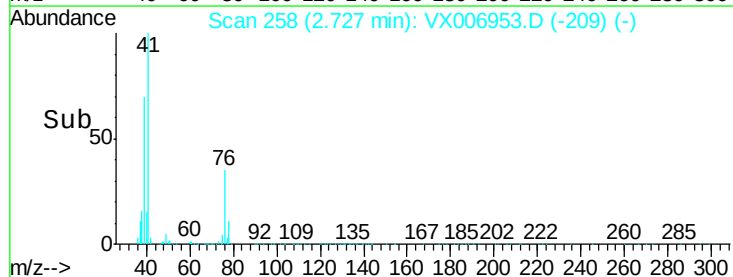
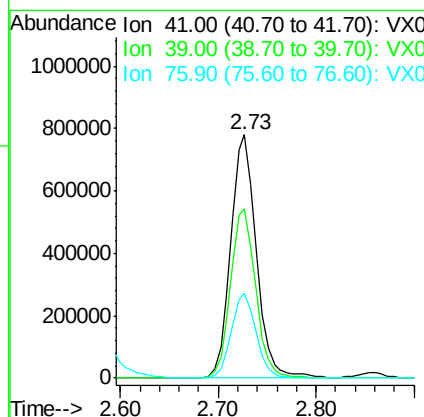
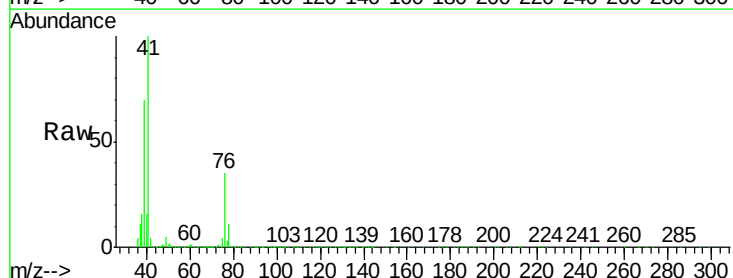
Manual Integrations
APPROVED

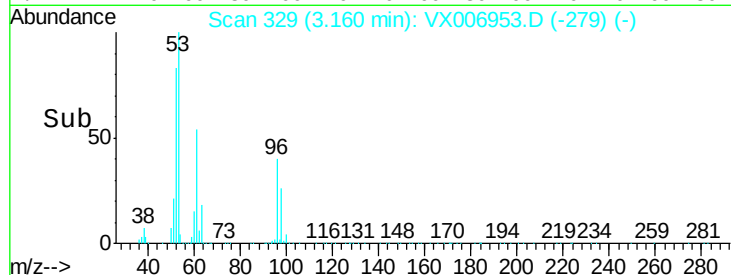
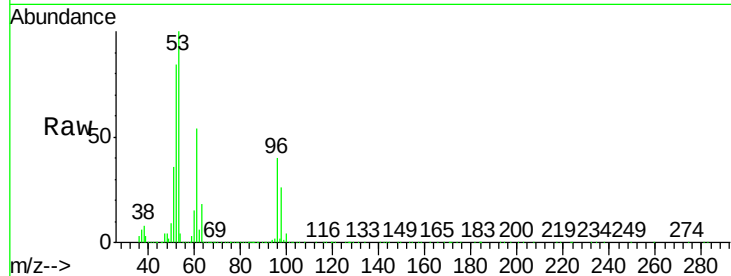
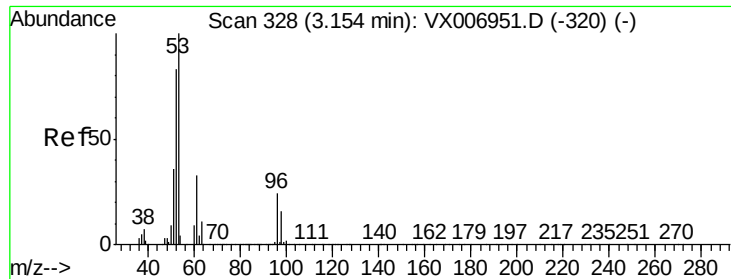
MMDadoda
1/9/2019 10:25:14 AM



#14
Allyl chloride
Concen: 156.236 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Tgt Ion	Ratio	Lower	Upper
41	100		
39	68.2	53.6	80.4
76	33.7	27.4	41.2





#15

Acrylonitrile

Concen: 711.640 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX006953.D

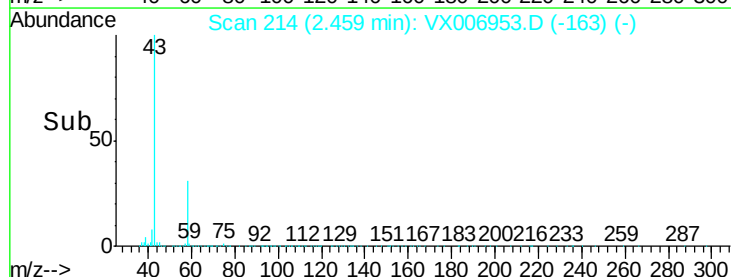
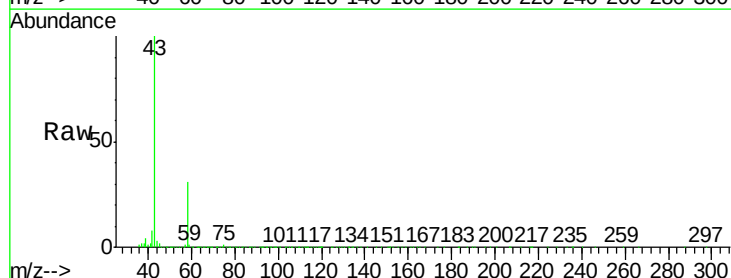
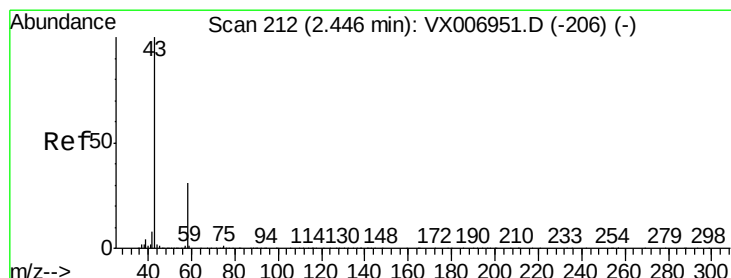
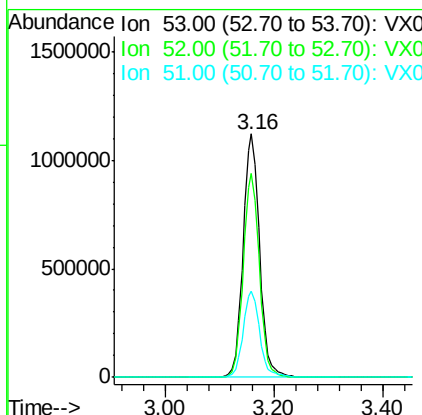
Acq: 08 Jan 2019 13:45

Tot Ion:	53	Resp:	2355686
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.0	99.0
51	35.9	28.6	42.8

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Manual Integrations
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#16

Acetone

Concen: 660.936 ug/l

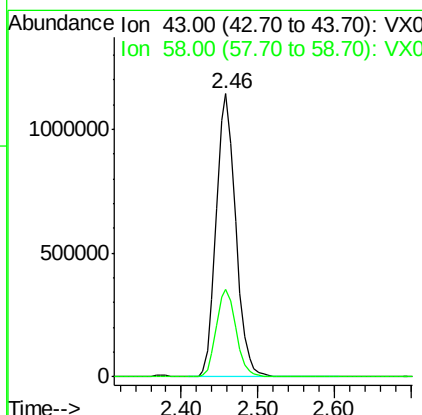
RT: 2.46 min Scan# 214

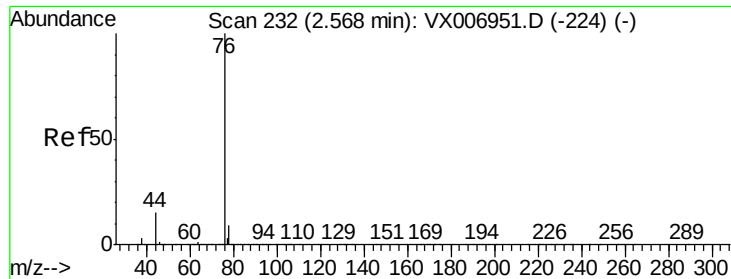
Delta R.T. 0.01 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Tgt Ion:	43	Resp:	2020278
Ion	Ratio	Lower	Upper
43	100		
58	31.0	25.0	37.6





#17

Carbon Disulfide

Concen: 161.206 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Instrument :

MSVOA_X

ClientSampled :

VSTDICC150

Tot Ion: 76 Resp: 2184919

Ion Ratio Lower Upper

76 100

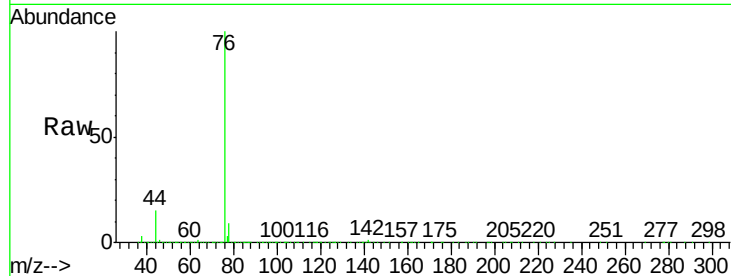
78 9.2 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

1500000

1000000

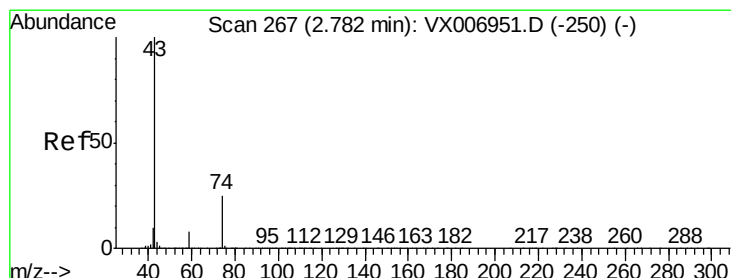
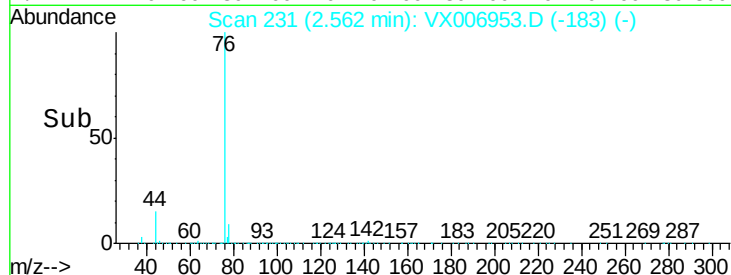
500000

0

2.56

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 137.854 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX006953.D

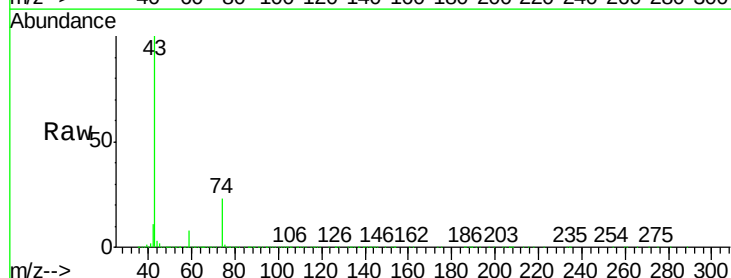
Acq: 08 Jan 2019 13:45

Tgt Ion: 43 Resp: 1212495

Ion Ratio Lower Upper

43 100

74 23.4 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

800000

600000

400000

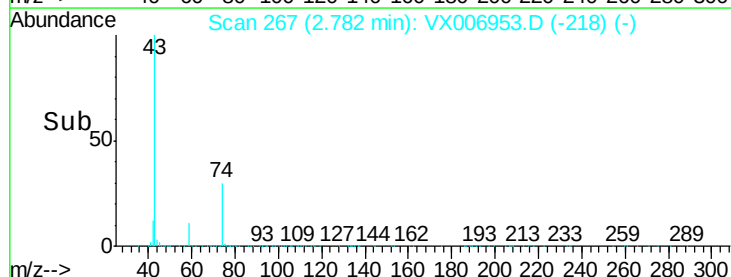
200000

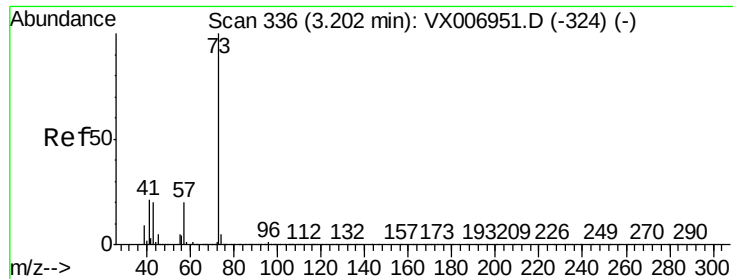
0

2.78

2.70 2.80 2.90

Time-->





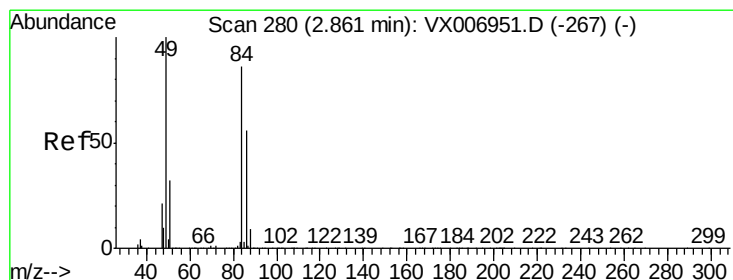
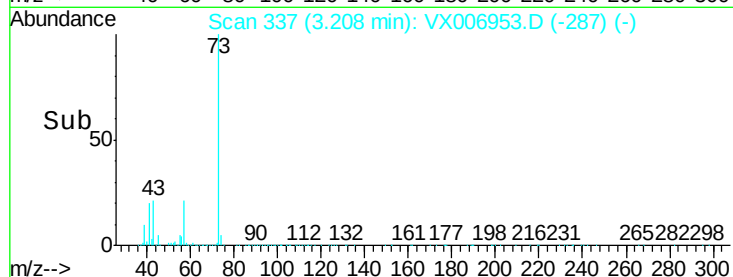
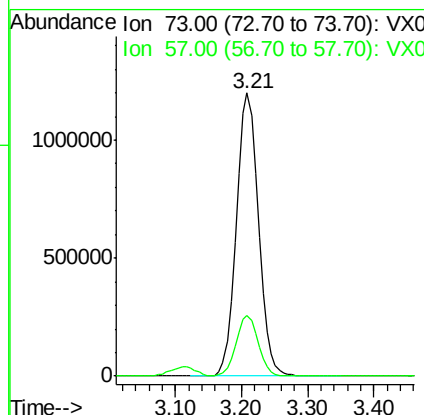
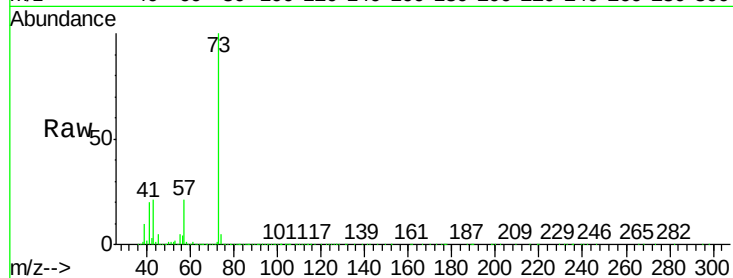
#19
Methyl tert-butyl Ether
Concen: 149.337 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion: 73 Resp: 2764689
Ion Ratio Lower Upper
73 100
57 21.3 16.8 25.2

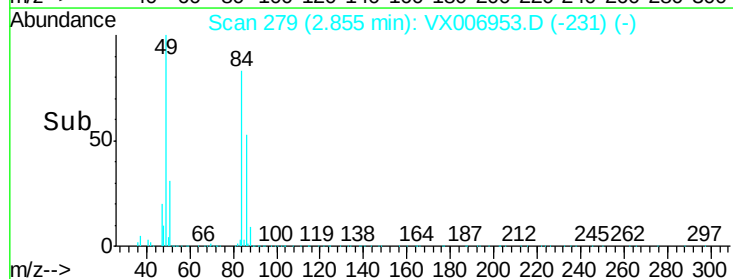
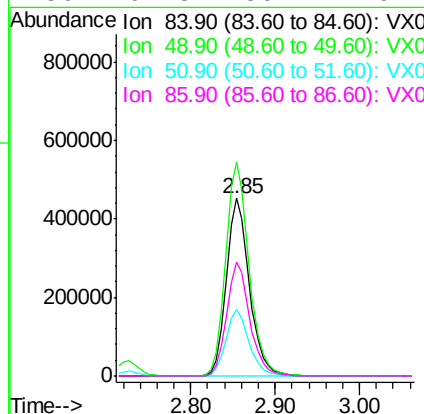
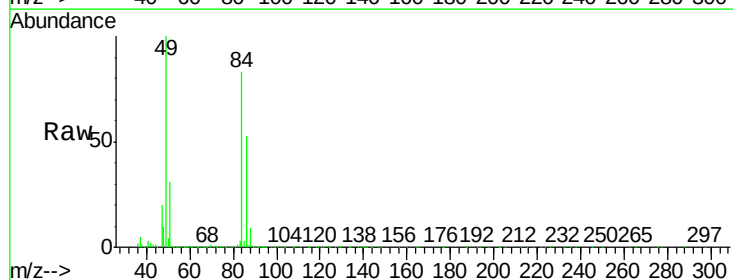
Manual Integrations
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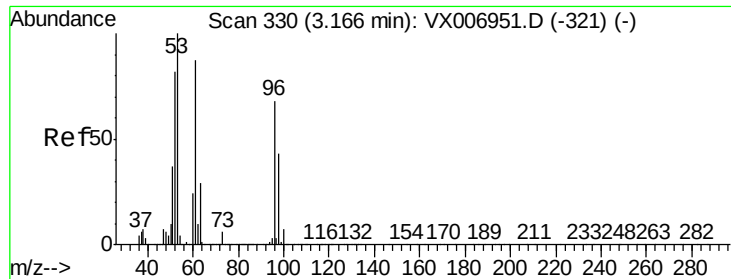
MMDadoda
1/9/2019 10:25:14 AM



#20
Methylene Chloride
Concen: 130.400 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Tgt Ion: 84 Resp: 847121
Ion Ratio Lower Upper
84 100
49 120.4 91.8 137.6
51 37.3 28.5 42.7
86 64.3 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 144.215 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Instrument :

MSVOA_X

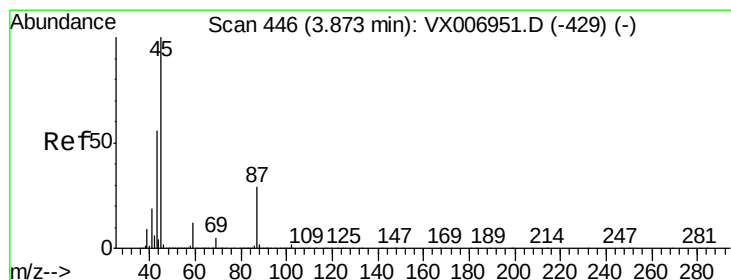
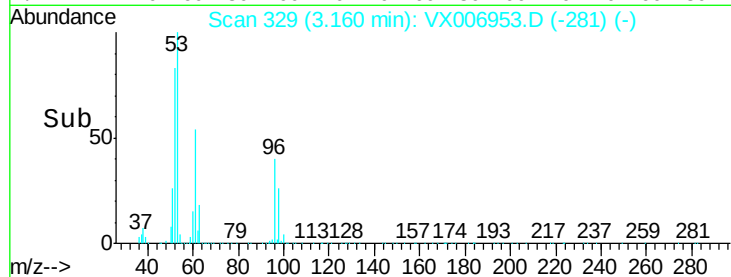
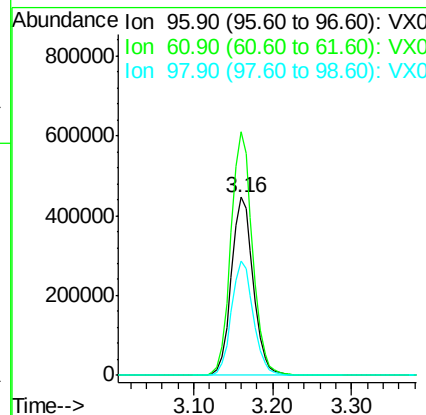
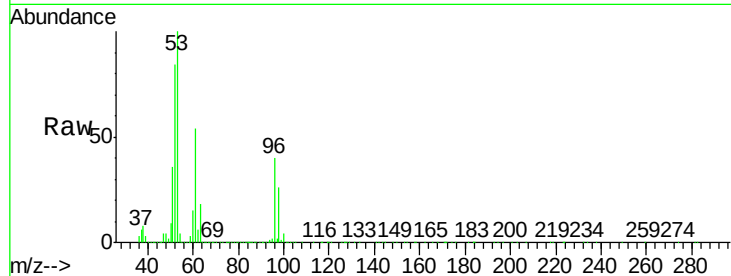
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	862124
Ion	Ratio	Lower	Upper
96	100		
61	136.7	103.7	155.5
98	64.6	51.0	76.6

Manual Integrations
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1/9/2019 10:25:14 AM



#22

Diisopropyl ether

Concen: 144.323 ug/l

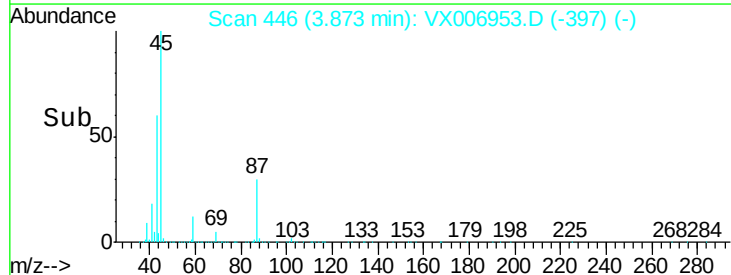
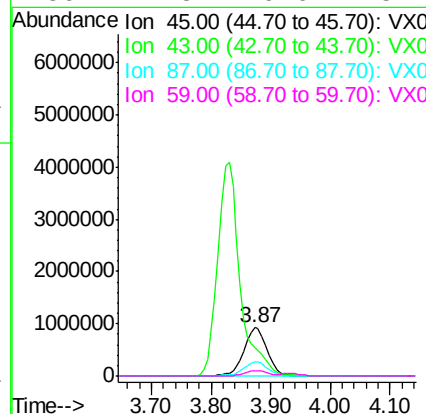
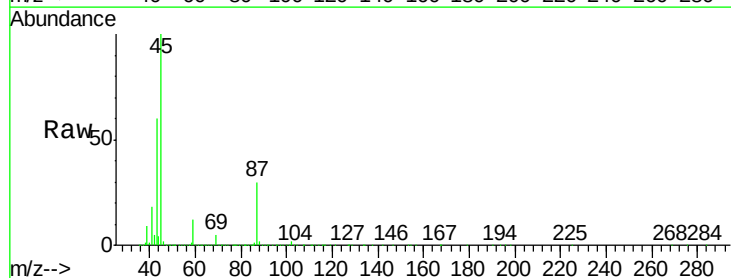
RT: 3.87 min Scan# 446

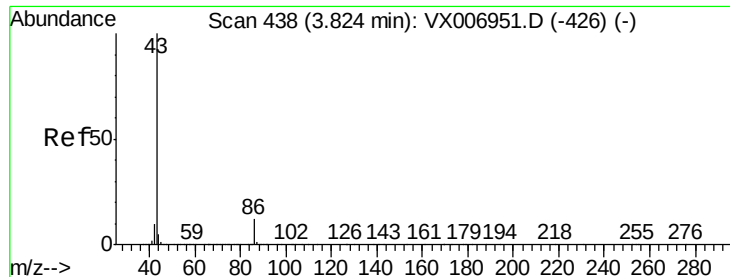
Delta R.T. 0.00 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Tgt Ion:	45	Resp:	2494136
Ion	Ratio	Lower	Upper
45	100		
43	59.5	51.2	76.8
87	30.4	25.8	38.6
59	11.8	9.0	13.4





#23

Vinyl Acetate

Concen: 741.109 ug/l

RT: 3.83 min Scan# 439

Delta R.T. 0.01 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Tot Ion: 43 Resp: 10754051

Ion Ratio Lower Upper

43 100

86 11.6 9.2 13.8

Instrument :

MSVOA_X

ClientSampleId :

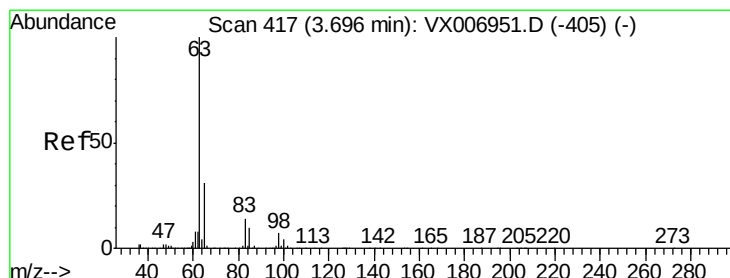
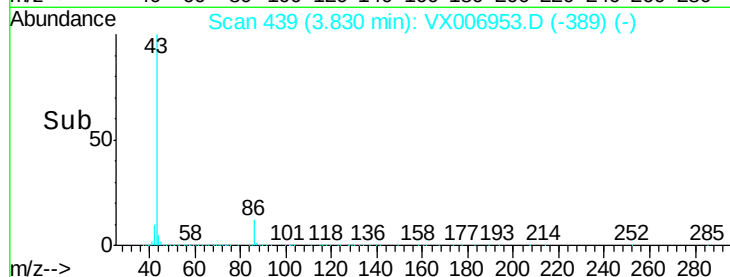
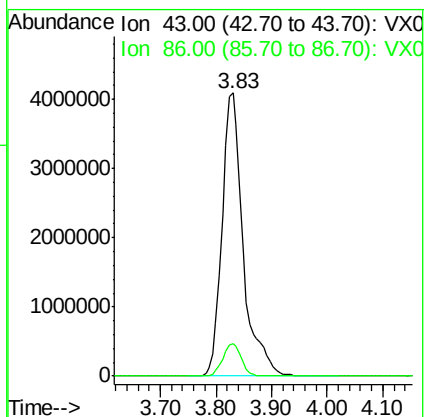
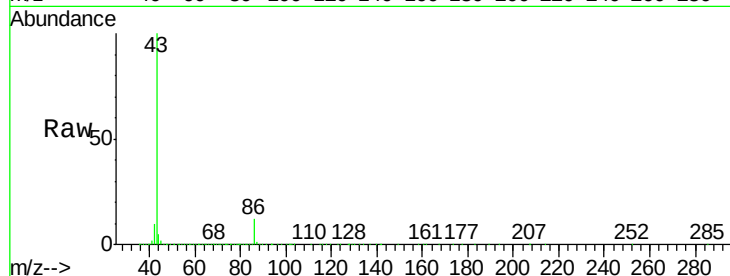
VSTDIC150

Manual Integrations

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MMDadoda

1/9/2019 10:25:14 AM



#24

1,1-Dichloroethane

Concen: 146.009 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

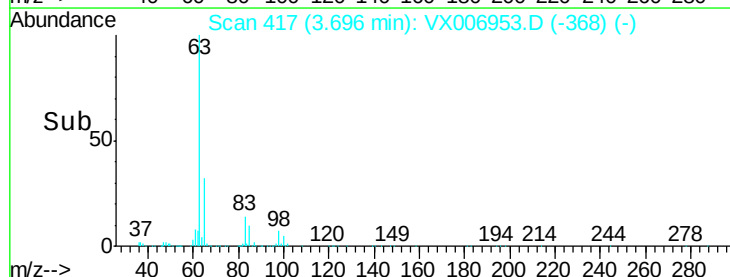
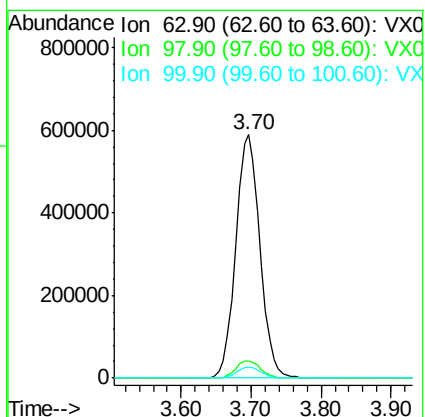
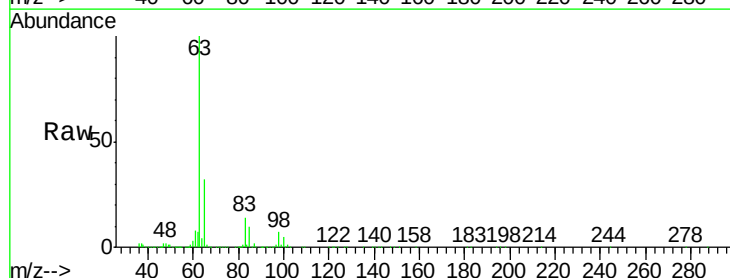
Tgt Ion: 63 Resp: 1408275

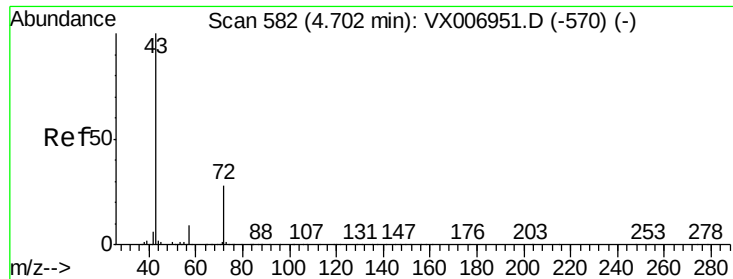
Ion Ratio Lower Upper

63 100

98 7.1 3.9 11.5

100 4.6 2.4 7.2





#25

2-Butanone

Concen: 676.787 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 2949453

Ion Ratio Lower Upper

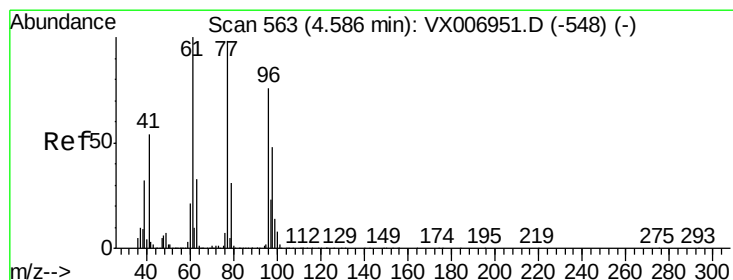
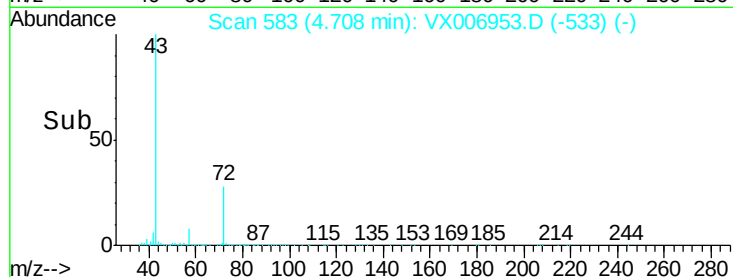
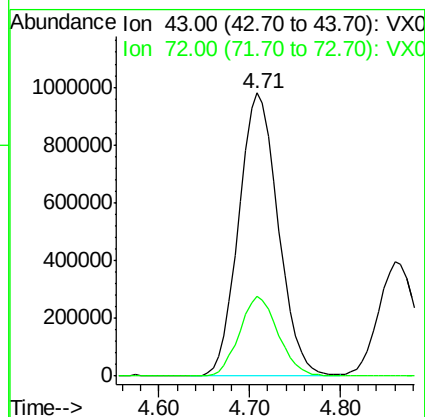
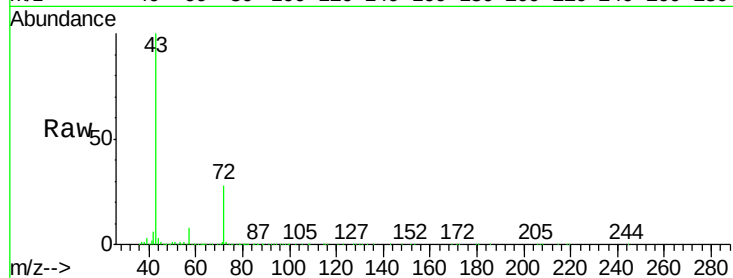
43 100

72 28.2 22.4 33.6

Manual Integrations
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MMDadoda

1/9/2019 10:25:14 AM



#26

2,2-Dichloropropane

Concen: 154.928 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX006953.D

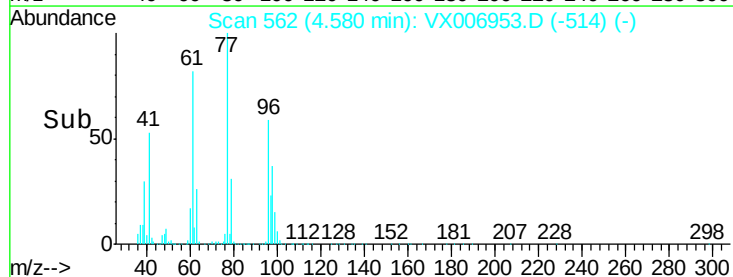
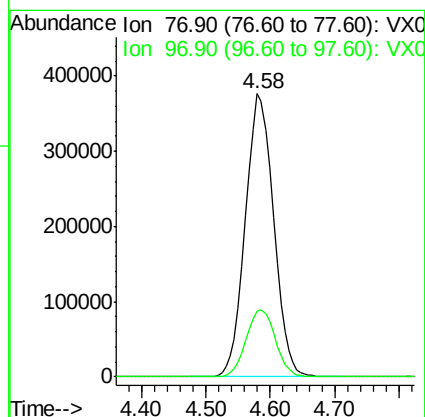
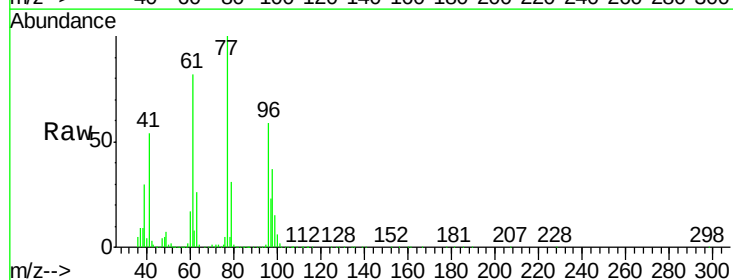
Acq: 08 Jan 2019 13:45

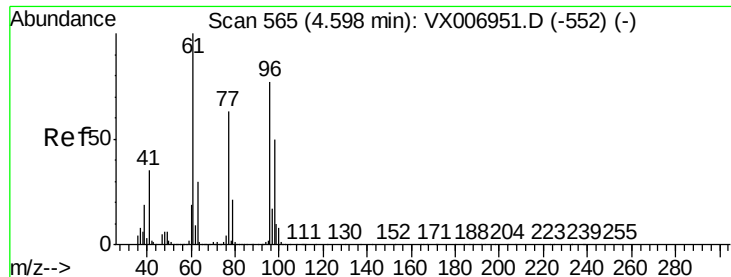
Tgt Ion: 77 Resp: 1137734

Ion Ratio Lower Upper

77 100

97 24.7 12.4 37.4





#27

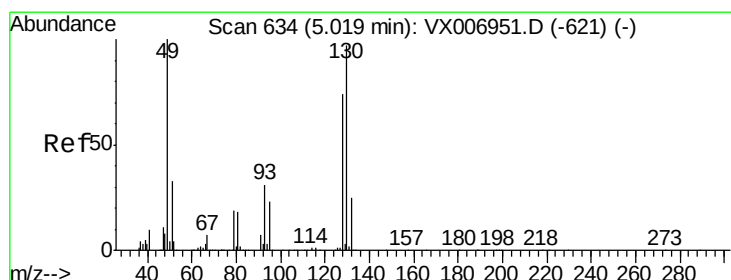
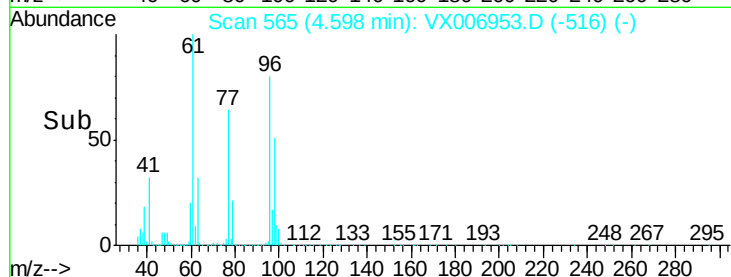
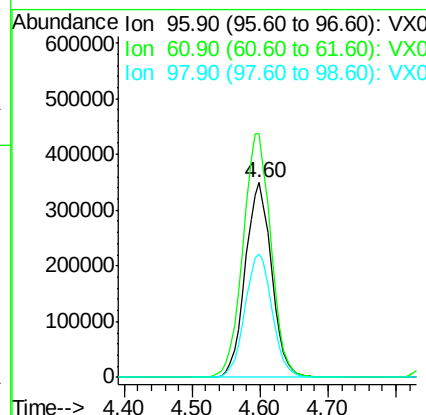
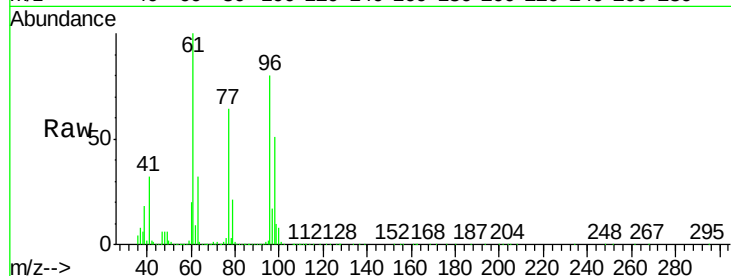
cis-1,2-Dichloroethene
Concen: 142.420 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	940991		
61	132.8	0.0	258.6	
98	65.3	0.0	132.0	

Manual Integrations
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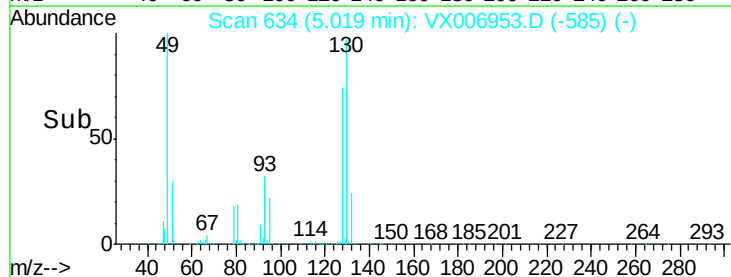
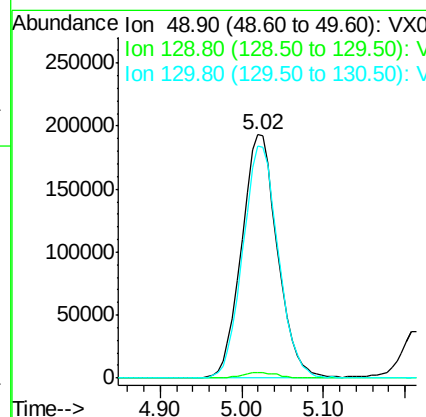
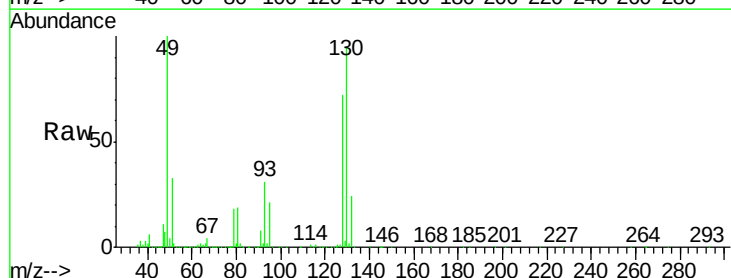
MMDadoda
1/9/2019 10:25:14 AM

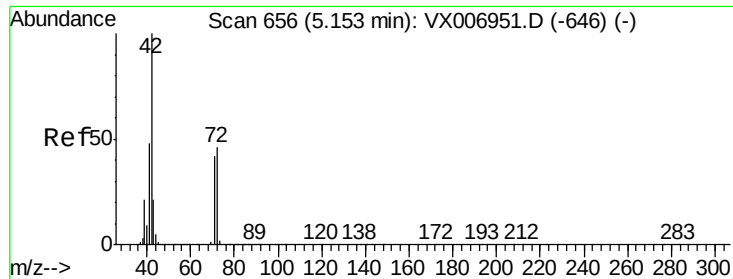


#28

Bromochloromethane
Concen: 138.177 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	589062		
129	2.5	0.0	5.4	
130	94.5	77.7	116.5	





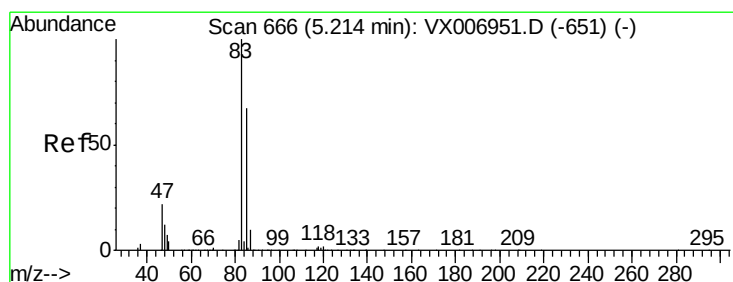
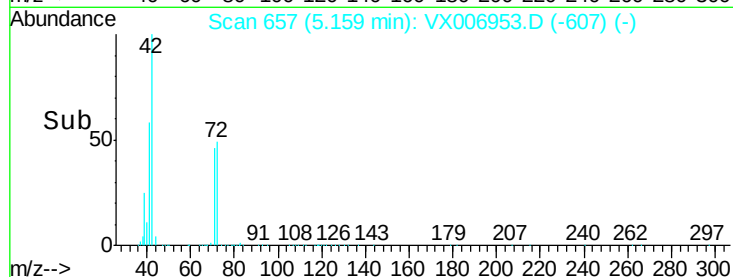
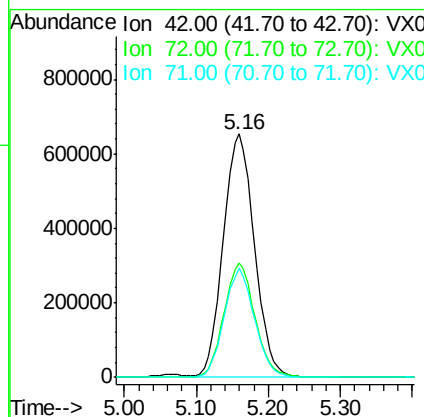
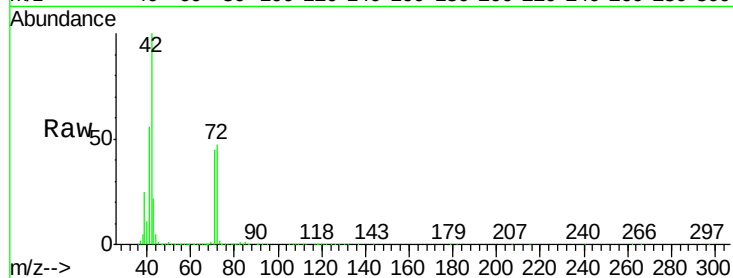
#29
Tetrahydrofuran
Concen: 695.798 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	38.9	58.3
71	43.7	36.2	54.4

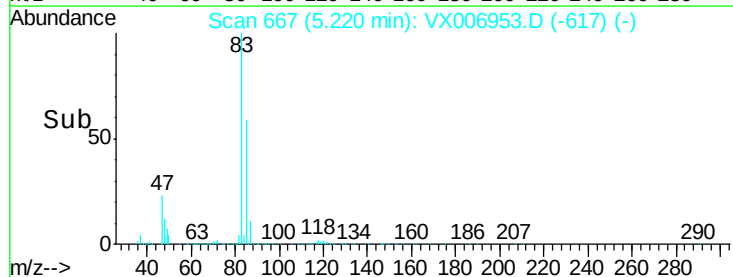
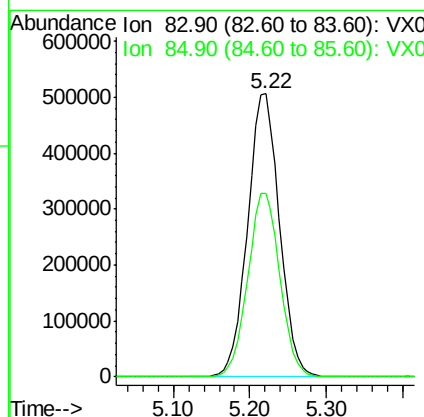
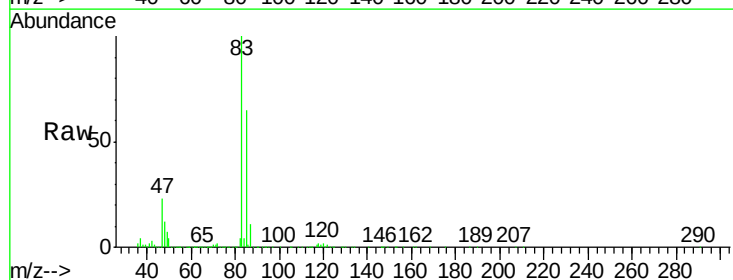
Manual Integrations
APPROVED

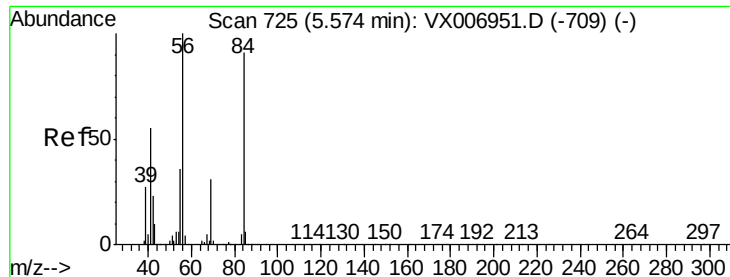
MMDadoda
1/9/2019 10:25:14 AM



#30
Chloroform
Concen: 145.391 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.2	76.8





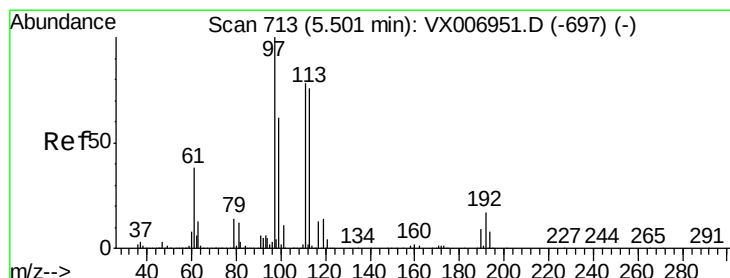
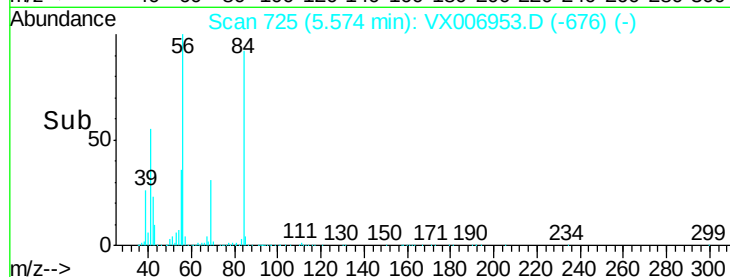
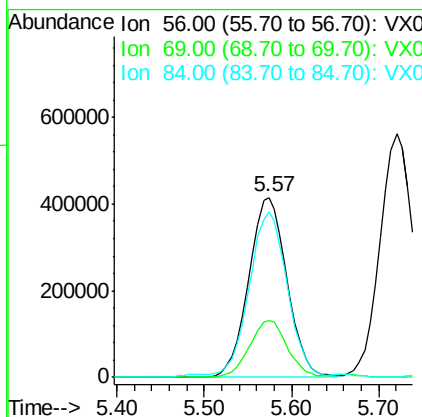
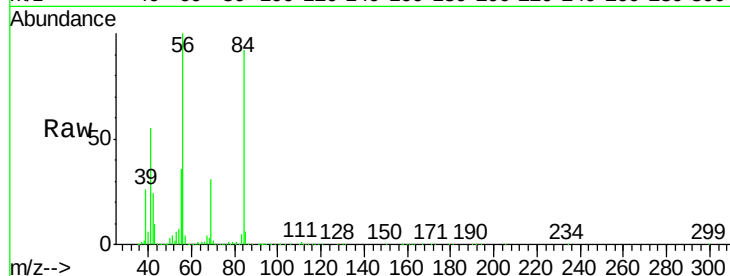
#31
Cyclohexane
Concen: 147.344 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	24.4	36.6
84	90.2	70.0	105.0

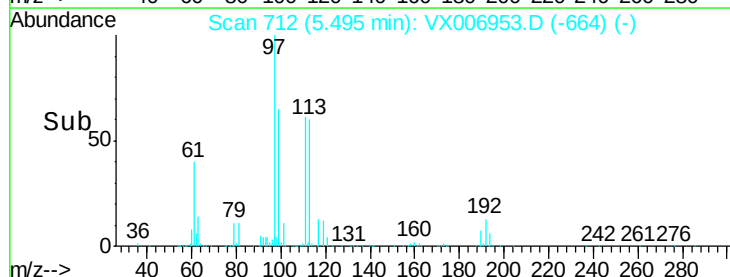
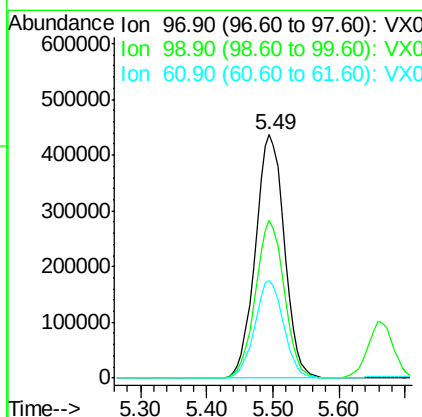
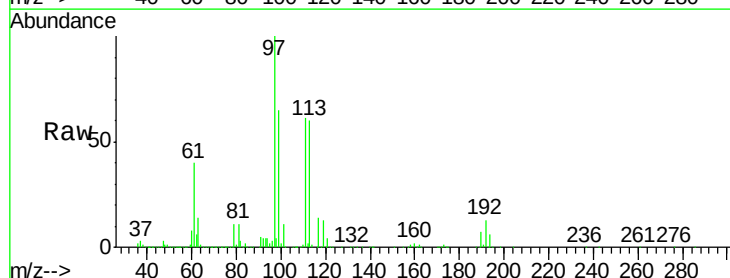
Manual Integrations
APPROVED

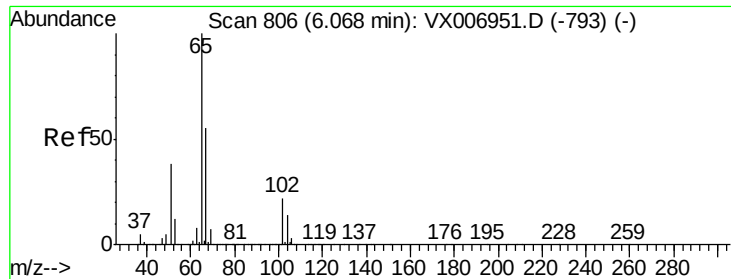
MMDadoda
1/9/2019 10:25:14 AM



#32
1,1,1-Trichloroethane
Concen: 157.098 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.7	77.5
61	39.9	31.3	46.9





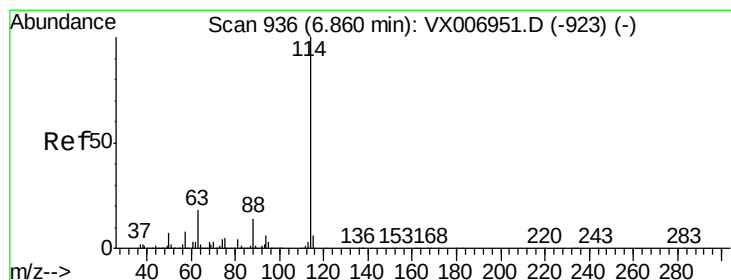
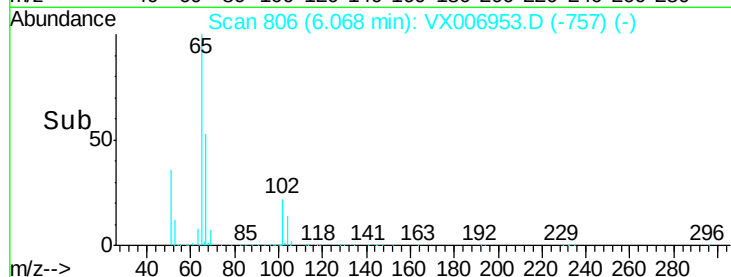
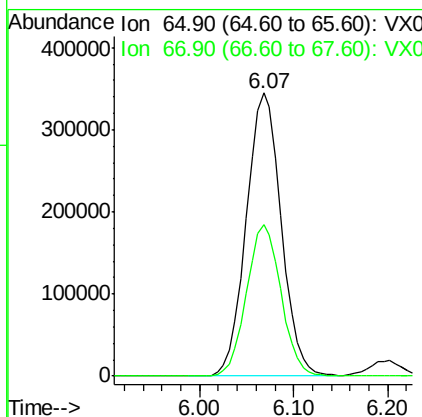
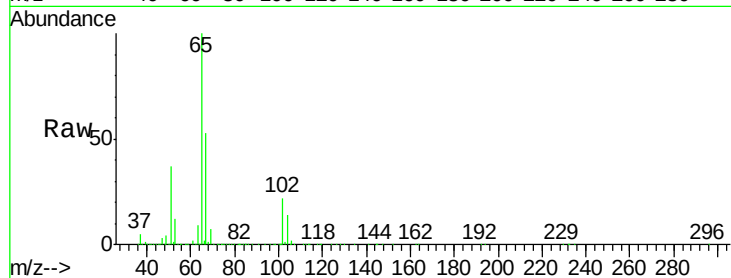
#33
 1,2-Dichloroethane-d4
 Concen: 146.617 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006953.D
 Acq: 08 Jan 2019 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	892620		
67	52.9	0.0	105.0	

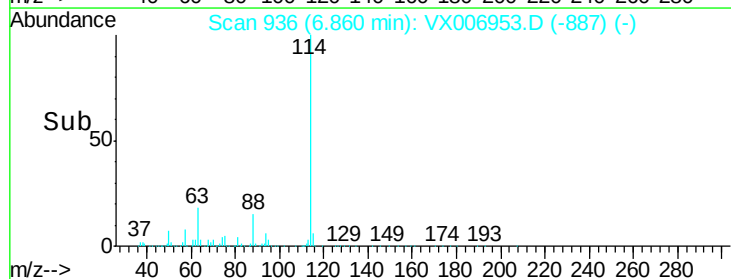
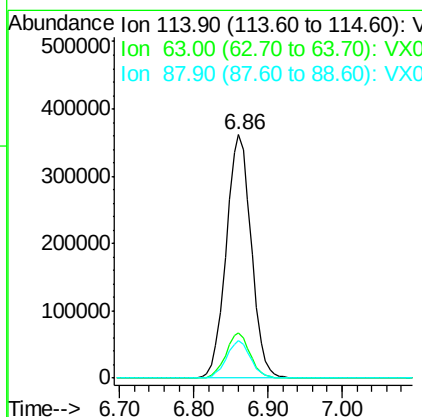
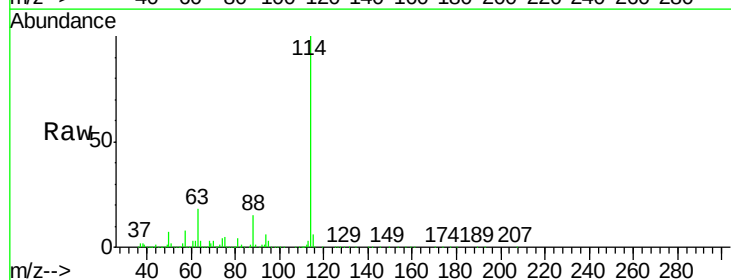
Manual Integrations
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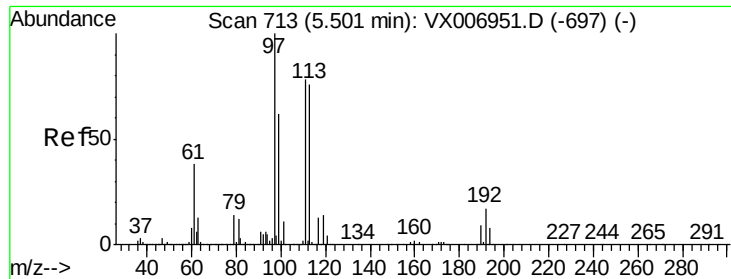
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006953.D
 Acq: 08 Jan 2019 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	847182		
63	18.3	0.0	34.8	
88	15.4	0.0	28.8	





#35

Dibromofluoromethane

Concen: 153.270 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Instrument :

MSVOA_X

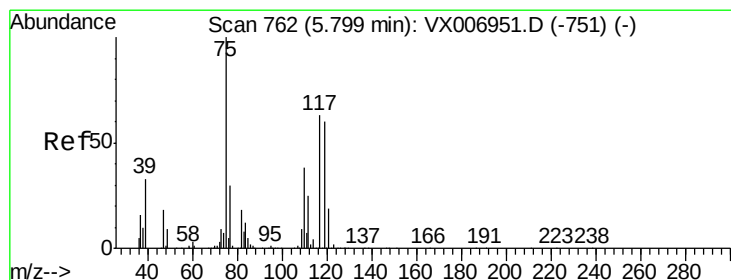
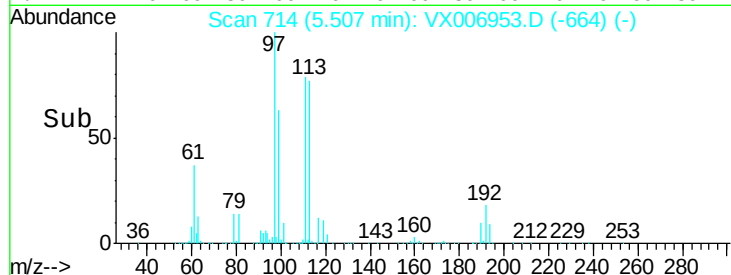
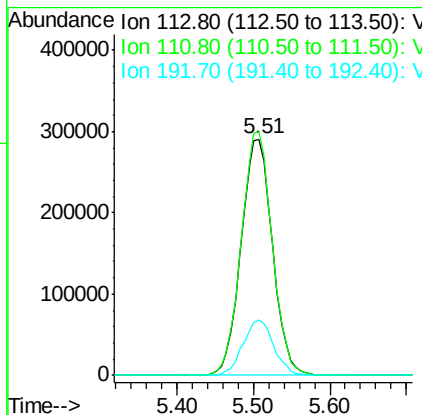
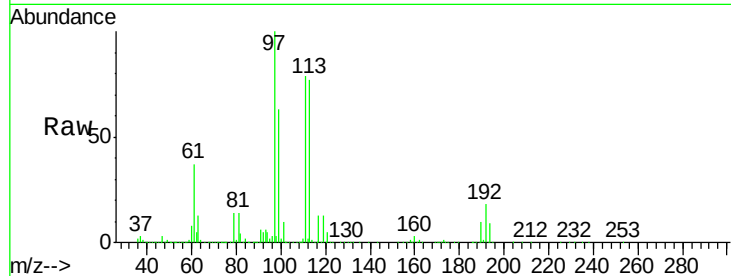
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	827927
Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.6	122.4
192	23.1	16.7	25.1

Manual Integrations
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1/9/2019 10:25:14 AM



#36

1,1-Dichloropropene

Concen: 150.725 ug/l

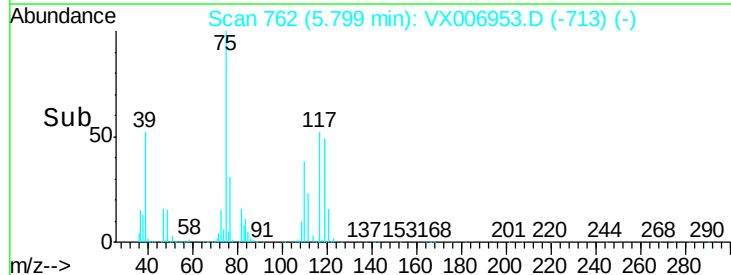
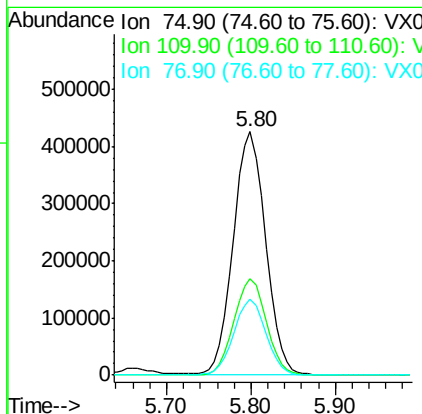
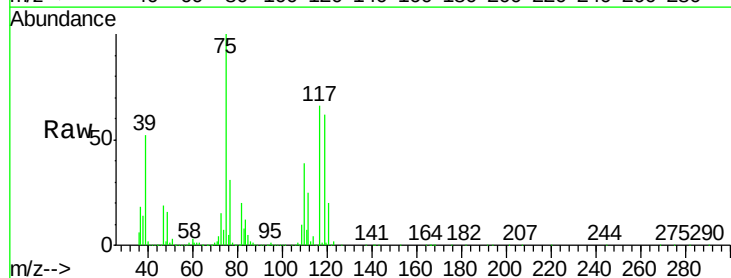
RT: 5.80 min Scan# 762

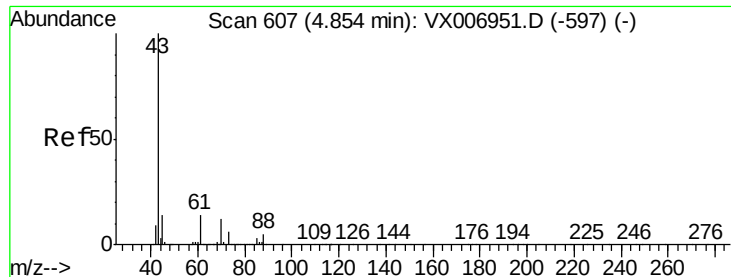
Delta R.T. 0.00 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Tgt Ion:	75	Resp:	1109278
Ion	Ratio	Lower	Upper
75	100		
110	39.5	20.2	60.5
77	30.8	24.8	37.2





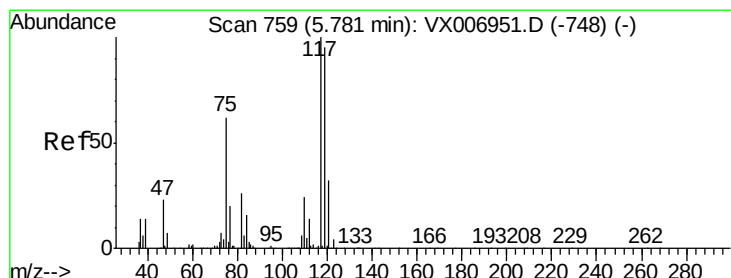
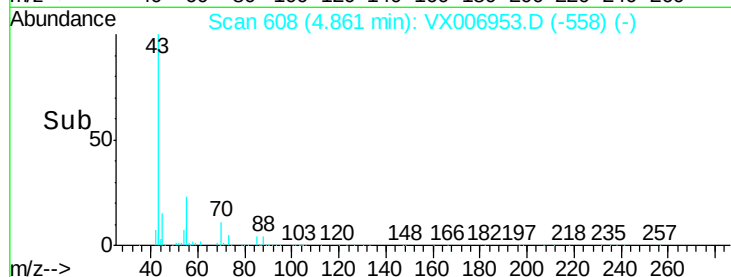
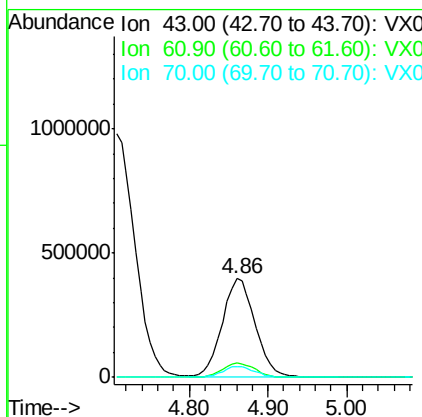
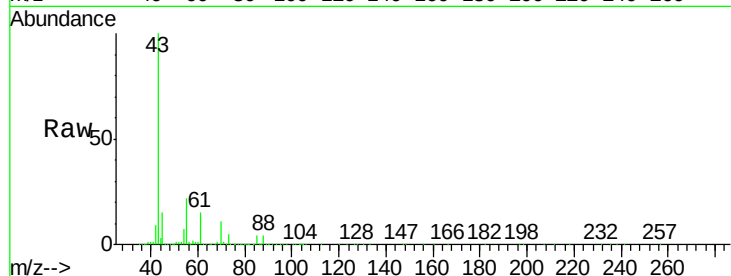
#37
Ethyl Acetate
Concen: 145.640 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion: 43 Resp: 1155655
Ion Ratio Lower Upper
43 100
61 14.5 11.9 17.9
70 11.2 9.7 14.5

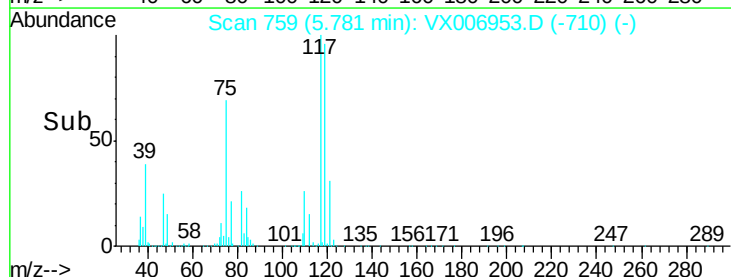
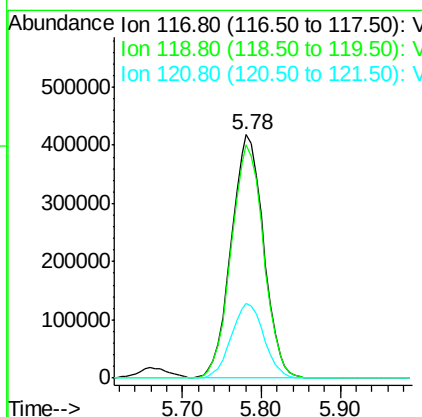
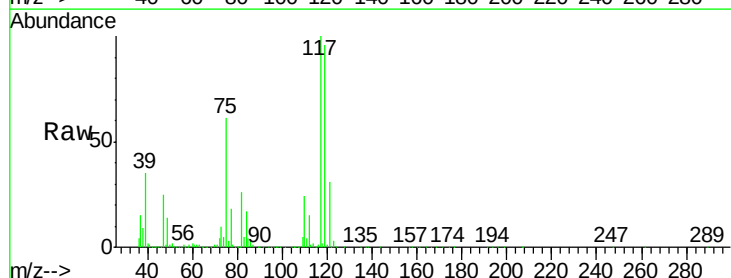
Manual Integrations
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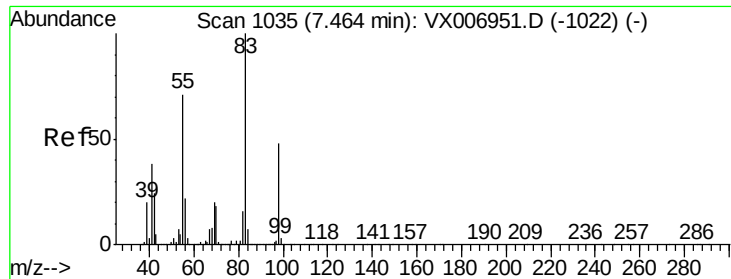
MMDadoda
1/9/2019 10:25:14 AM



#38
Carbon Tetrachloride
Concen: 163.276 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Tgt Ion: 117 Resp: 1192388
Ion Ratio Lower Upper
117 100
119 95.7 79.4 119.2
121 30.7 24.0 36.0





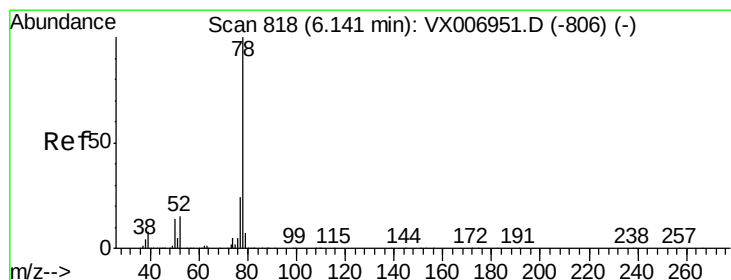
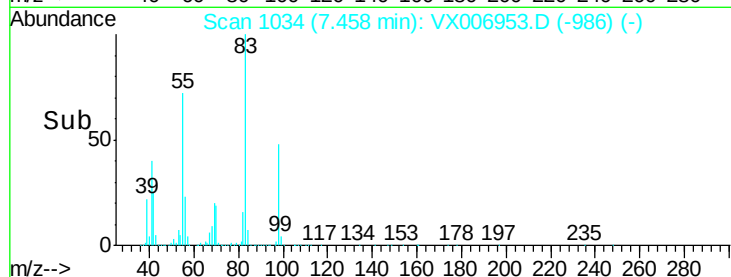
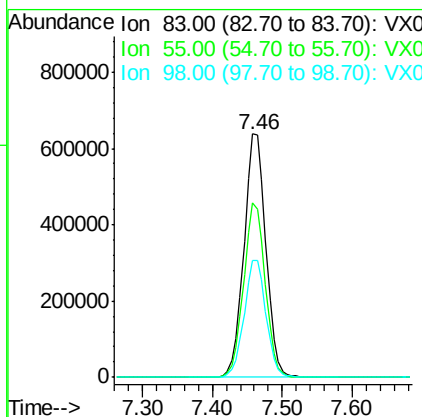
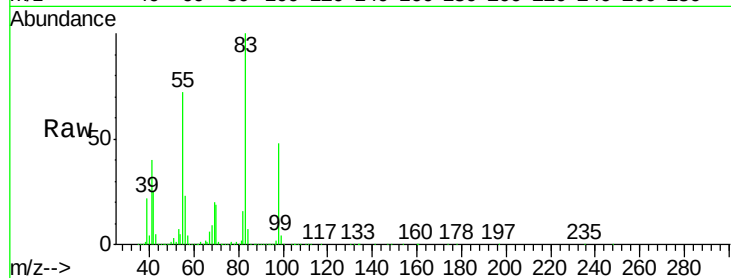
#39
Methylvlcyclohexane
Concen: 146.831 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.6	54.9	82.3
98	48.1	37.9	56.9

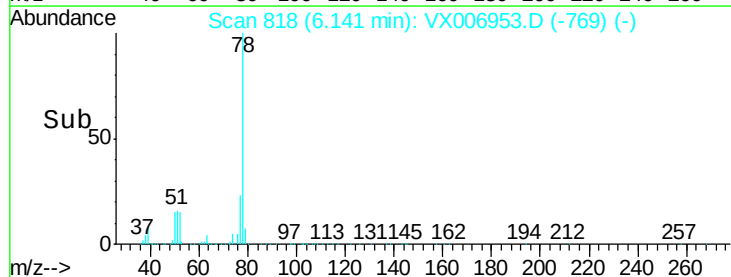
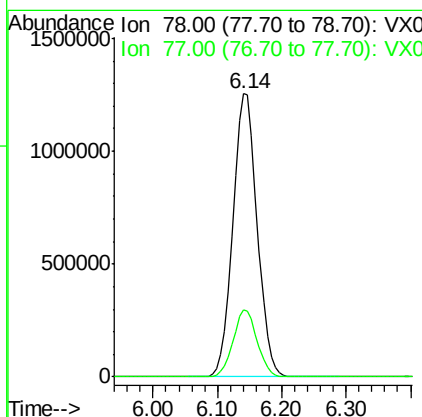
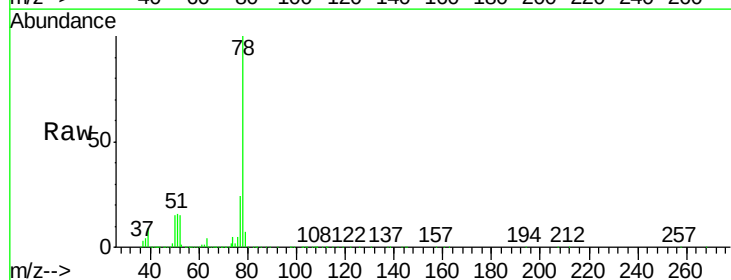
Manual Integrations
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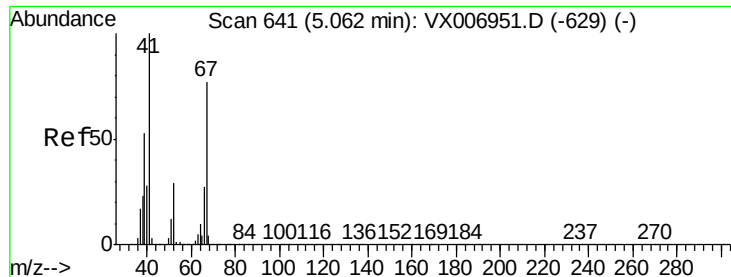
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#40
Benzene
Concen: 145.744 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8





#41

Methacrylonitrile

Concen: 136.072 ug/l

RT: 5.07 min Scan# 642

Delta R.T. 0.01 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Instrument :

MSVOA_X

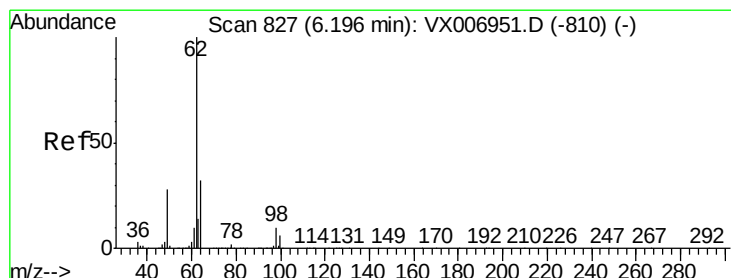
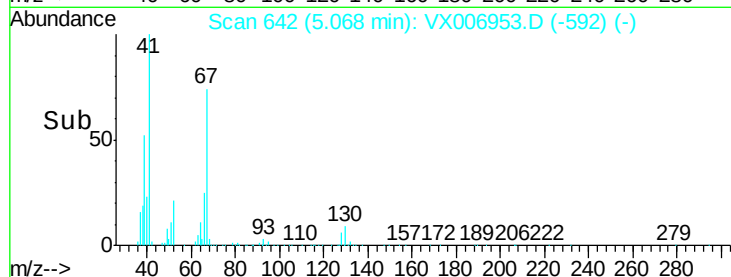
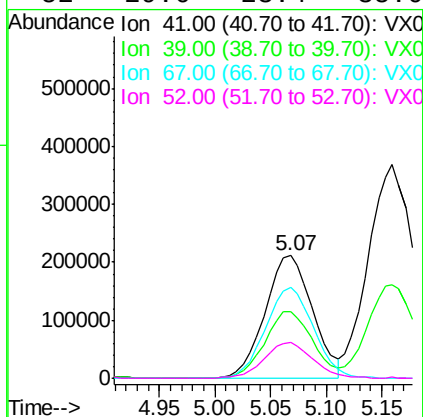
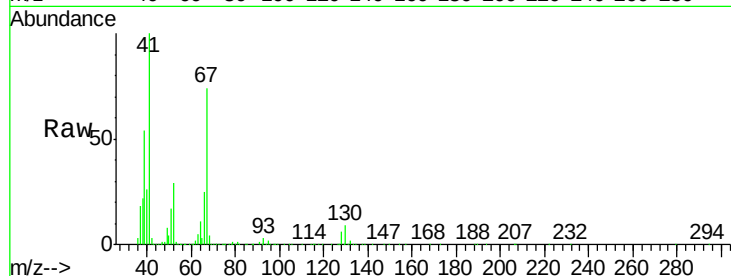
ClientSampled :

VSTDICC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.7	42.8	64.2	
67	75.2	62.1	93.1	
52	29.6	23.4	35.0	

Manual Integrations
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1/9/2019 10:25:14 AM



#42

1,2-Dichloroethane

Concen: 140.351 ug/l

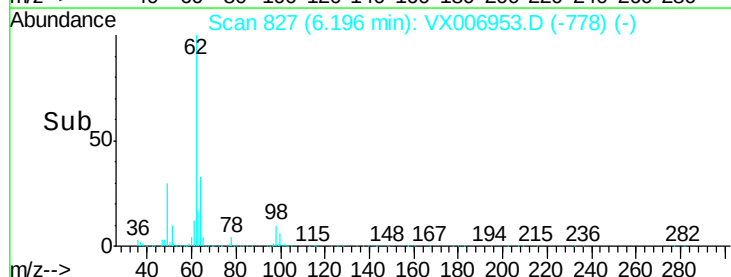
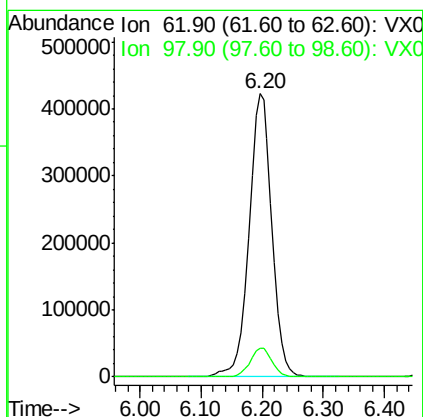
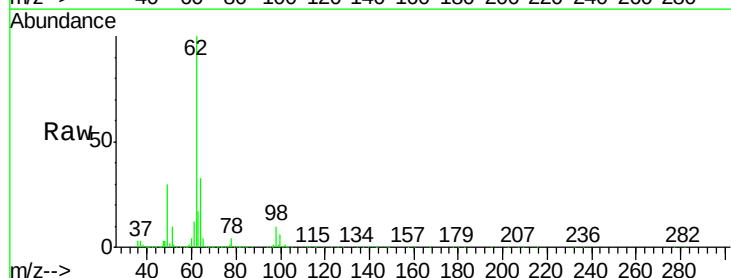
RT: 6.20 min Scan# 827

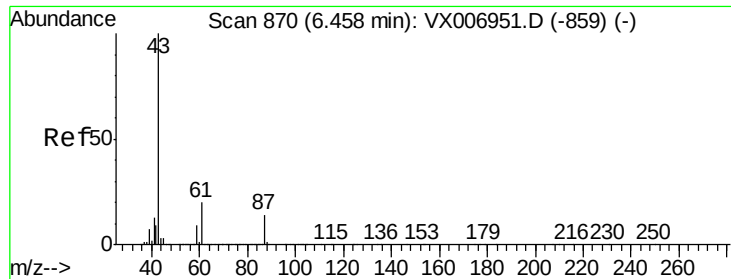
Delta R.T. 0.00 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	0.0	20.2	





#43

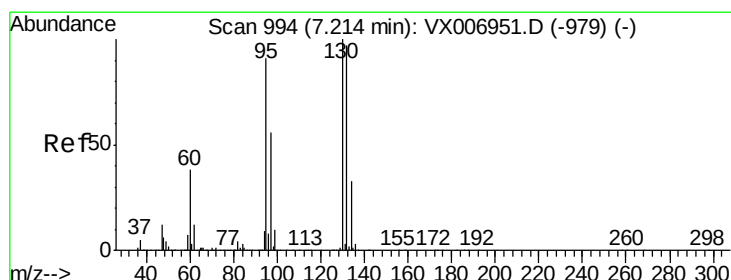
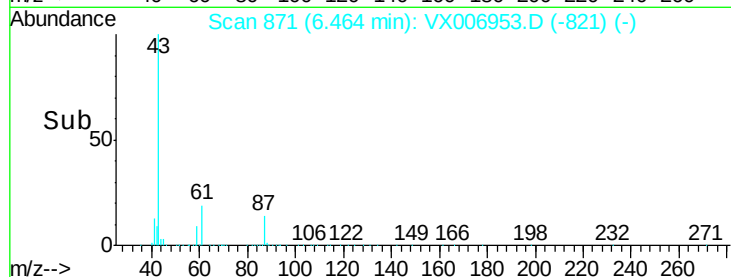
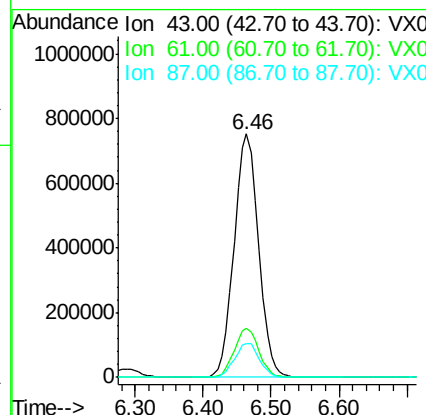
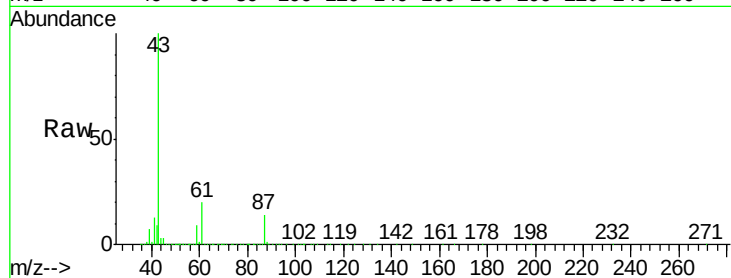
Isopropyl Acetate
 Concen: 150.158 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX006953.D
 Acq: 08 Jan 2019 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.8	25.2
87	14.3	12.4	18.6

Manual Integrations
 APPROVED

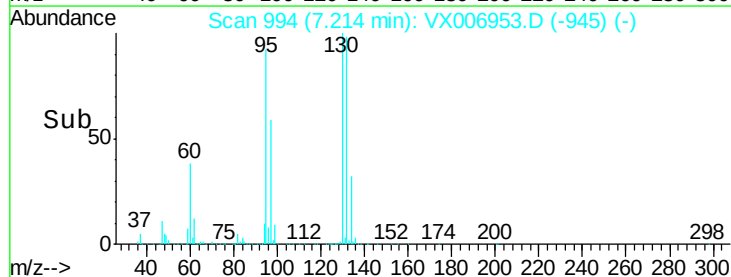
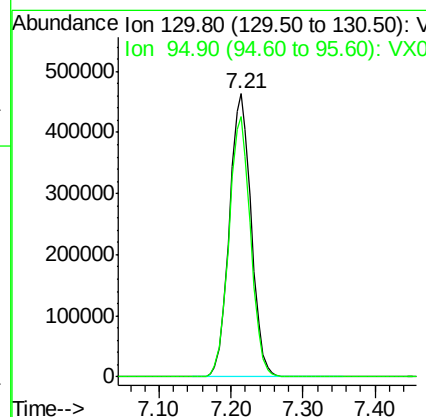
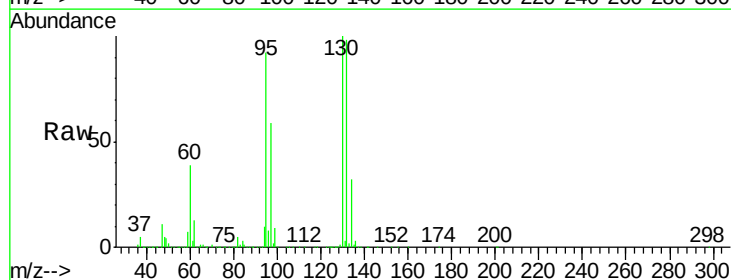
MMDadoda
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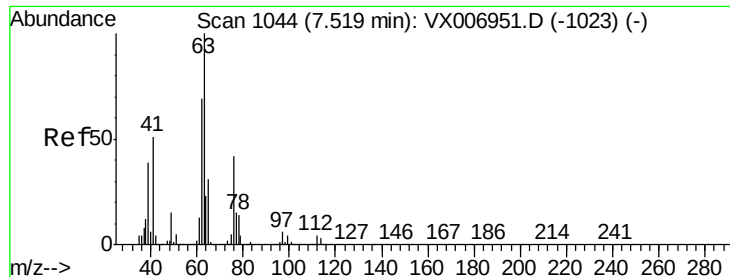


#44

Trichloroethene
 Concen: 143.911 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX006953.D
 Acq: 08 Jan 2019 13:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	187.0





#45

1,2-Dichloropropane

Concen: 145.561 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 826525

Ion Ratio Lower Upper

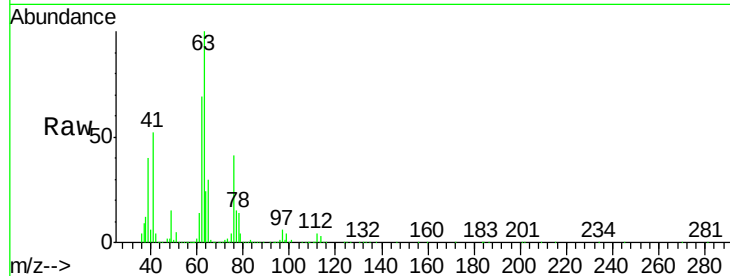
63 100

65 30.4 25.4 38.0

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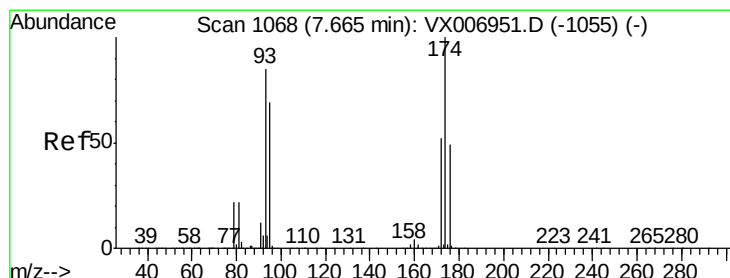
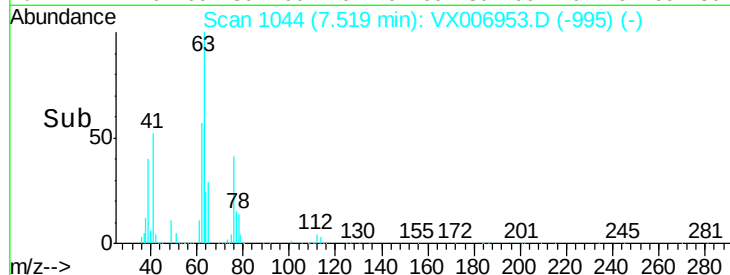
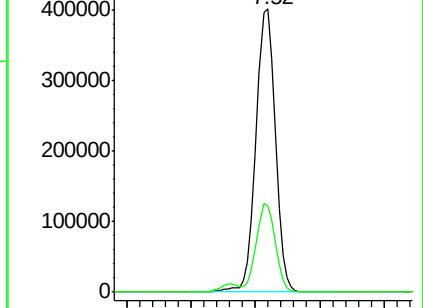
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 149.477 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

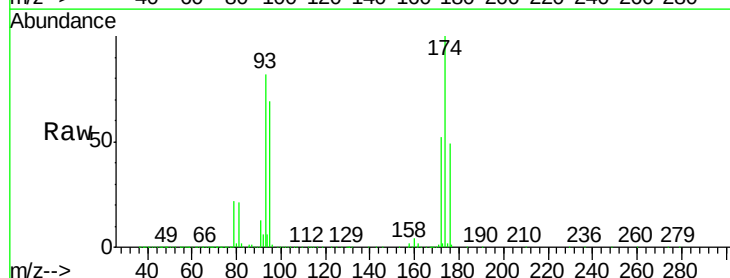
Tgt Ion: 93 Resp: 593913

Ion Ratio Lower Upper

93 100

95 83.6 66.2 99.4

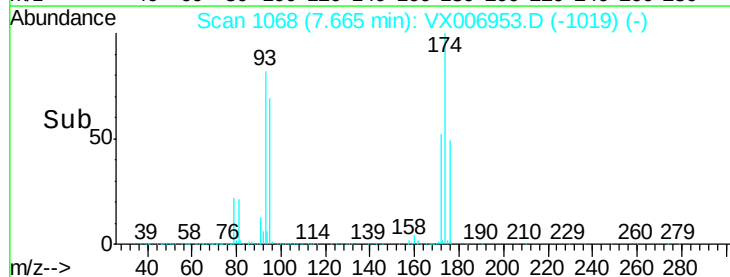
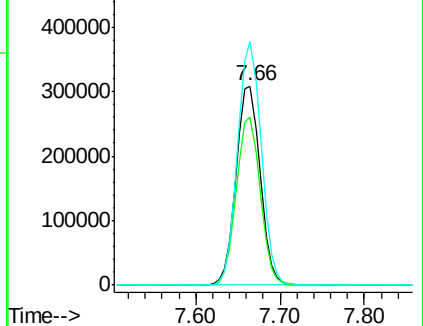
174 119.6 91.0 136.4

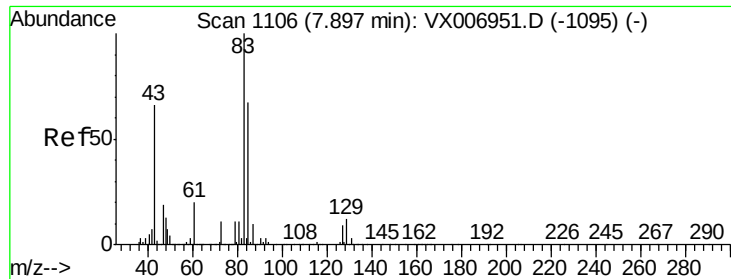


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 165.957 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Instrument :

MSVOA_X

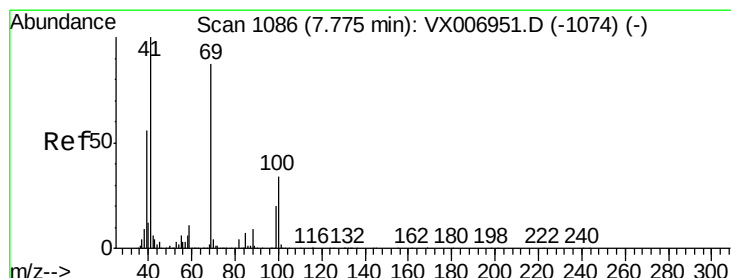
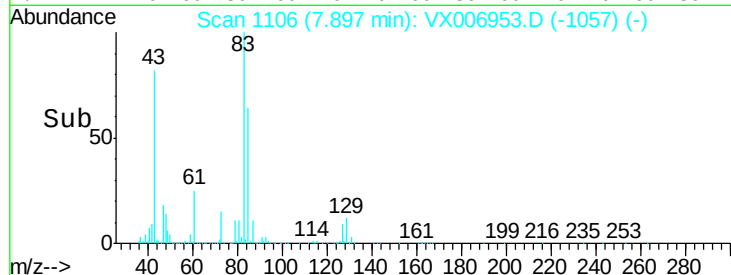
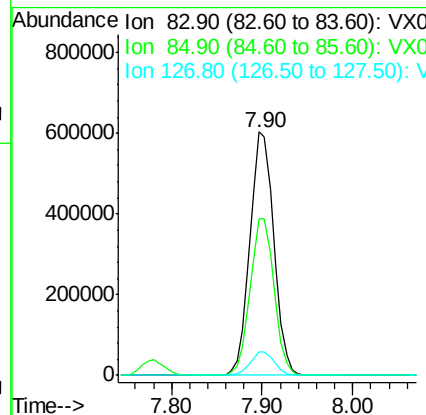
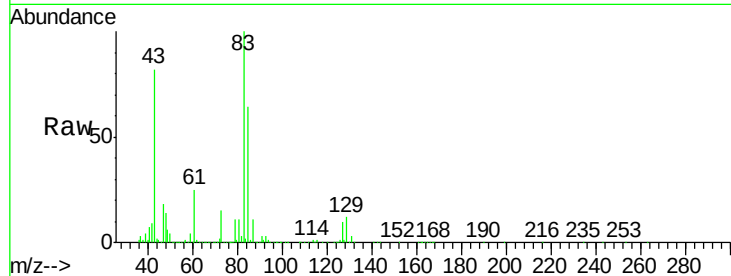
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	1102187
Ion	Ratio	Lower	Upper
83	100		
85	64.4	53.2	79.8
127	9.5	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 144.301 ug/l

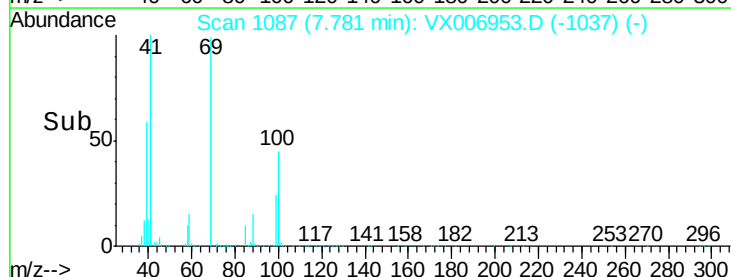
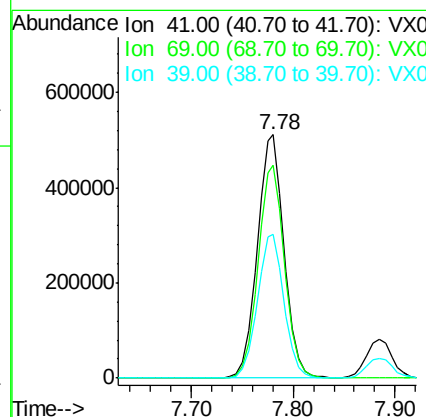
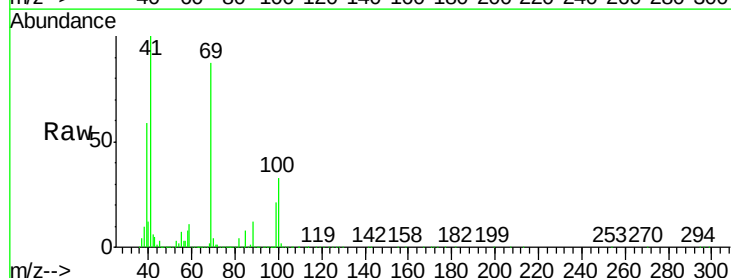
RT: 7.78 min Scan# 1087

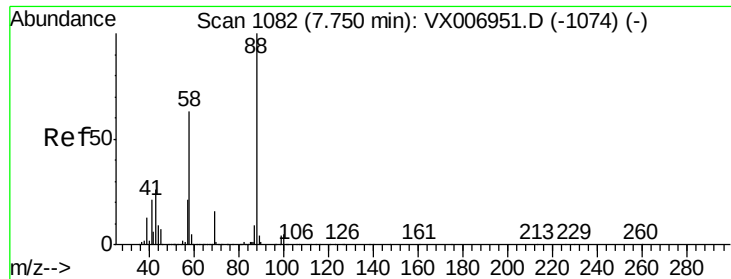
Delta R.T. 0.01 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Tgt Ion:	41	Resp:	928900
Ion	Ratio	Lower	Upper
41	100		
69	87.2	72.4	108.6
39	58.8	45.8	68.8





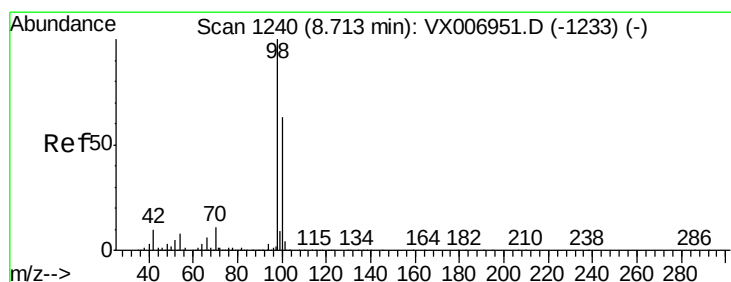
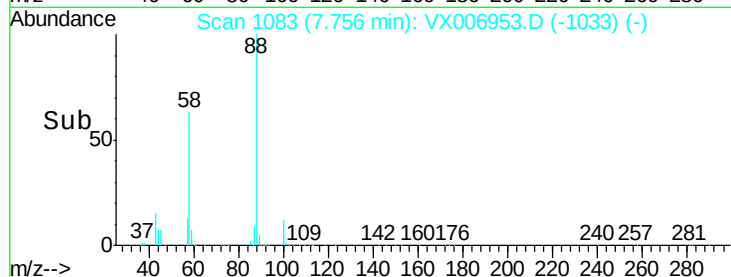
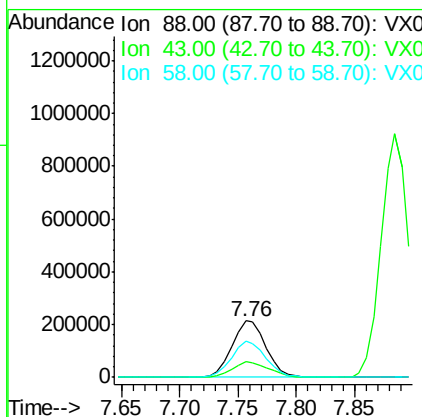
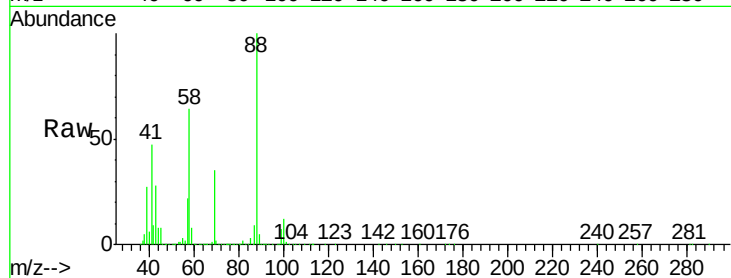
#49
1,4-Dioxane
Concen: 2594.971 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.5	22.2	33.4
58	64.1	51.0	76.4

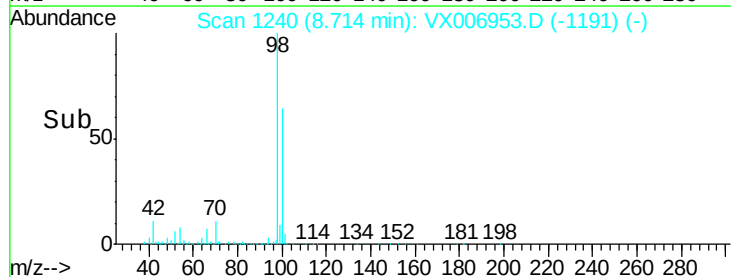
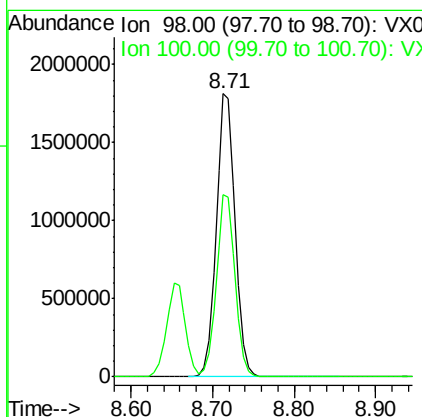
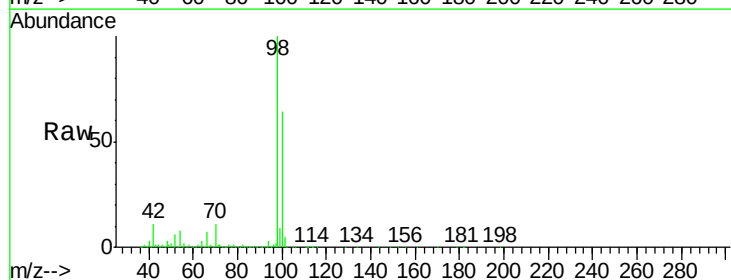
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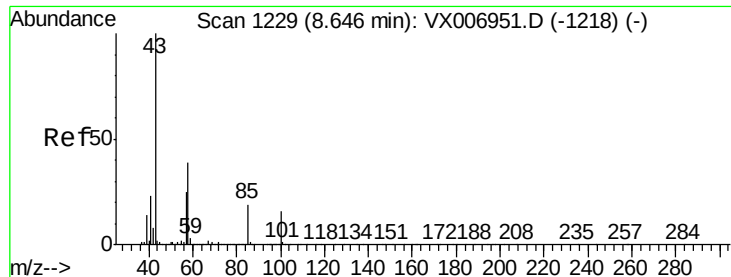
MMDadoda
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#50
Toluene-d8
Concen: 146.418 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 729.977 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 5869432

Ion Ratio Lower Upper

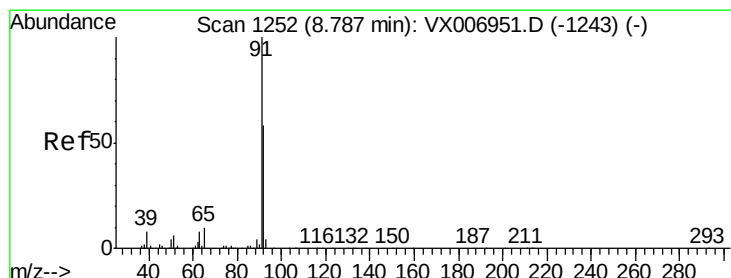
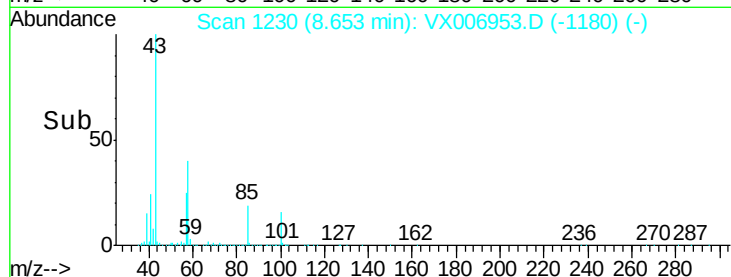
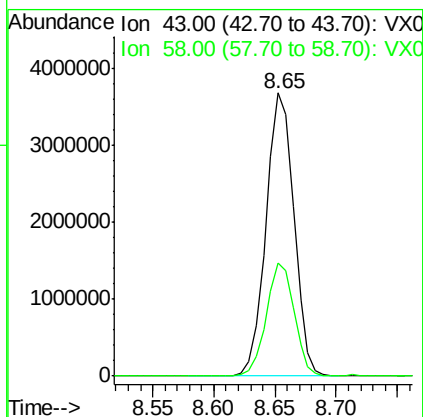
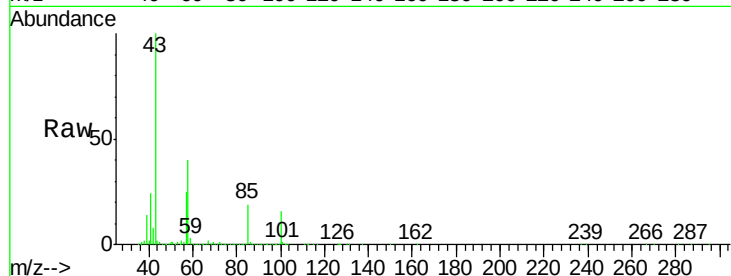
43 100

58 39.8 31.8 47.6

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#52

Toluene

Concen: 141.476 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006953.D

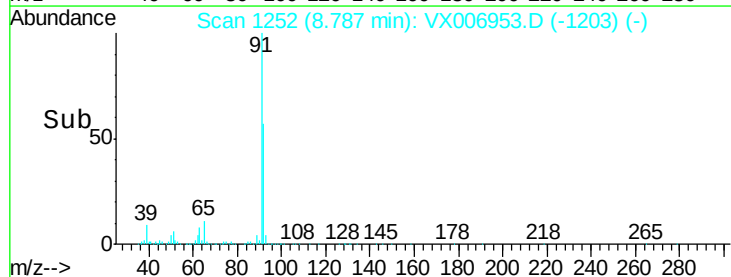
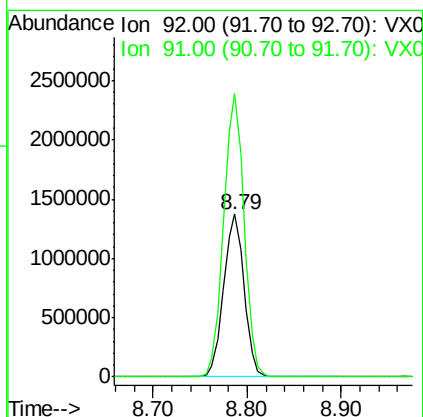
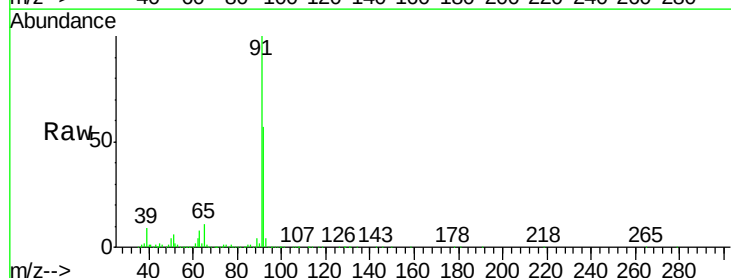
Acq: 08 Jan 2019 13:45

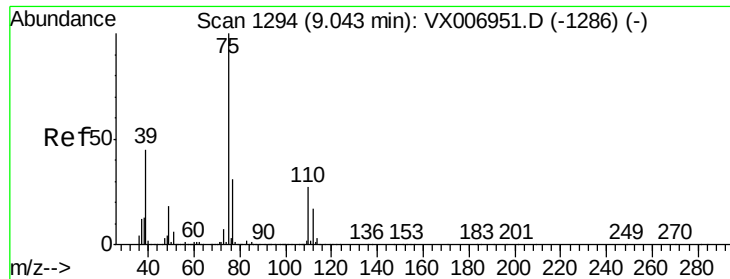
Tgt Ion: 92 Resp: 2063176

Ion Ratio Lower Upper

92 100

91 174.0 137.6 206.4





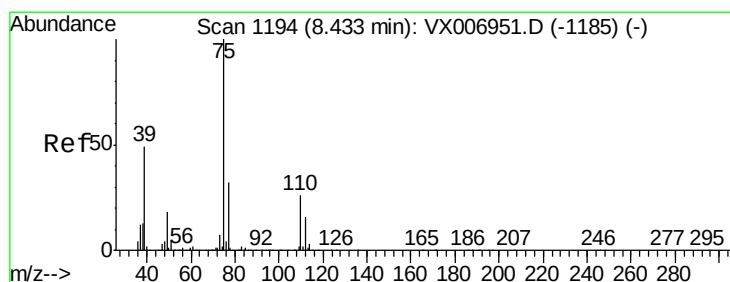
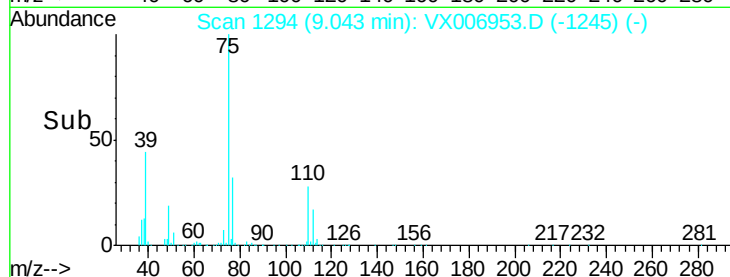
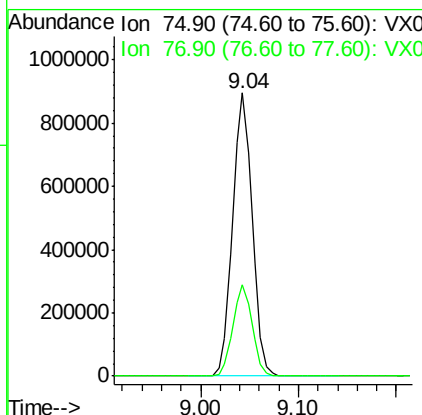
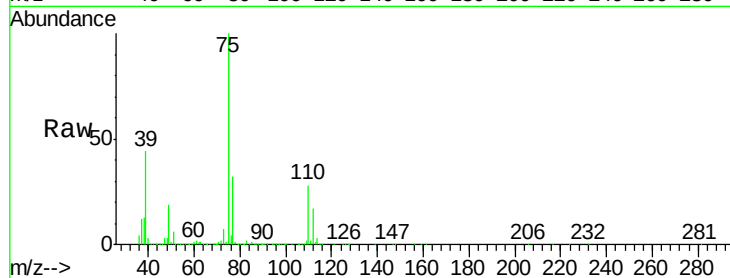
#53
t-1,3-Dichloropropene
Concen: 169.937 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 1246076
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.0

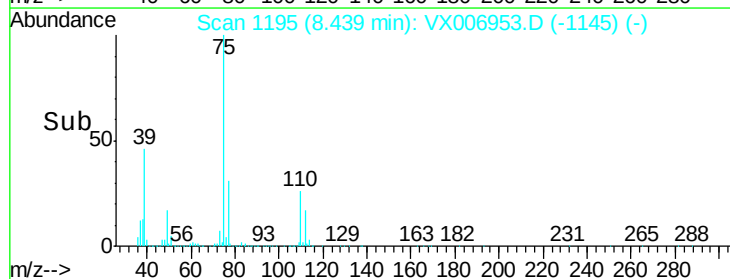
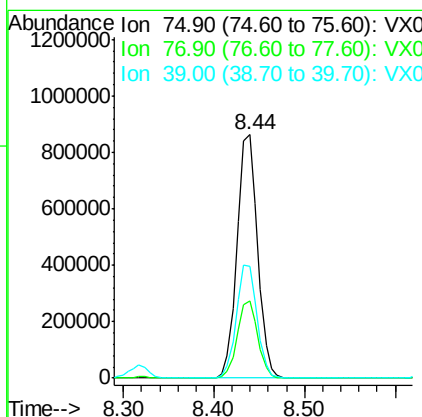
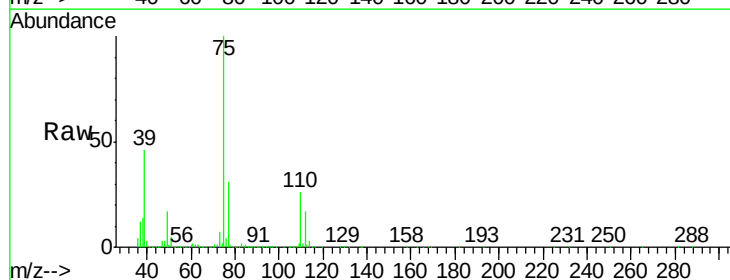
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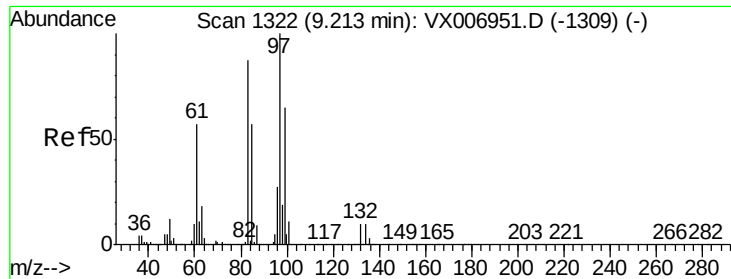
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#54
cis-1,3-Dichloropropene
Concen: 166.205 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Tgt Ion: 75 Resp: 1351358
Ion Ratio Lower Upper
75 100
77 31.5 26.2 39.2
39 45.9 36.7 55.1





#55

1,1,2-Trichloroethane

Concen: 145.303 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Instrument :

MSVOA_X

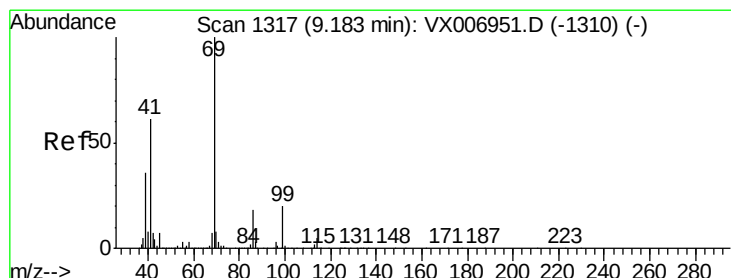
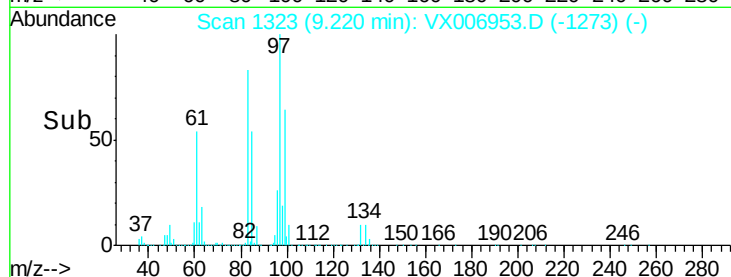
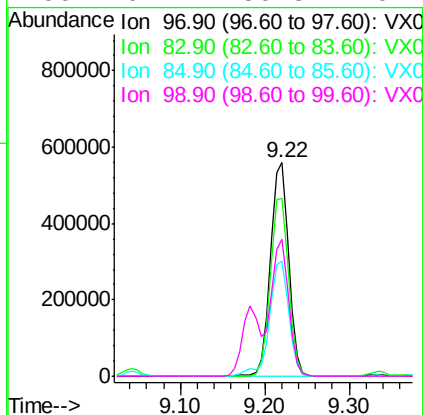
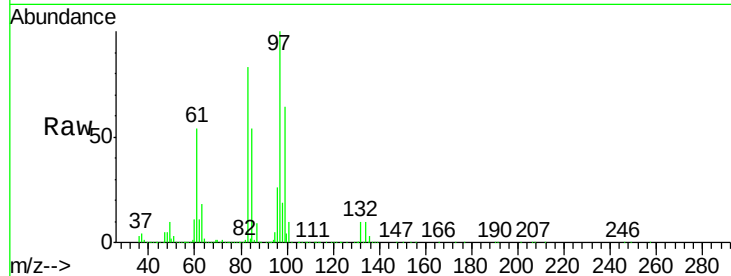
ClientSampleId :

VSTDIC150

Tot Ion:	97	Resp:	844530
Ion Ratio	Lower	Upper	
97	100		
83	83.2	66.6	99.8
85	54.2	42.7	64.1
99	64.1	50.8	76.2

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#56

Ethyl methacrylate

Concen: 152.862 ug/l

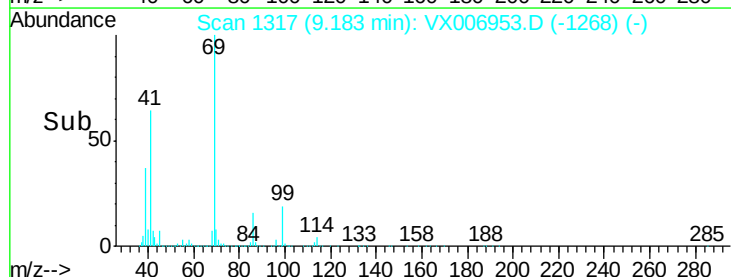
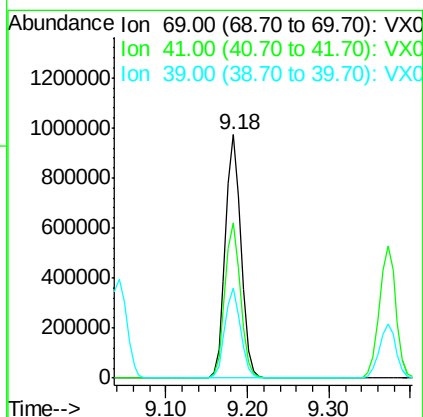
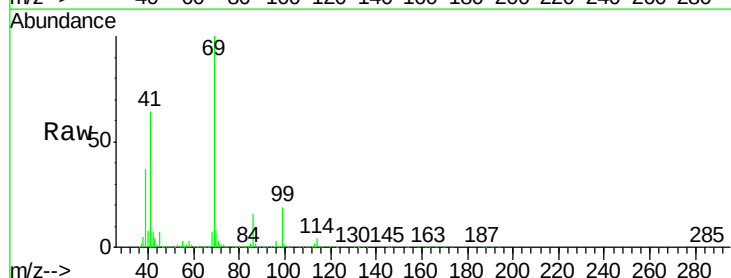
RT: 9.18 min Scan# 1317

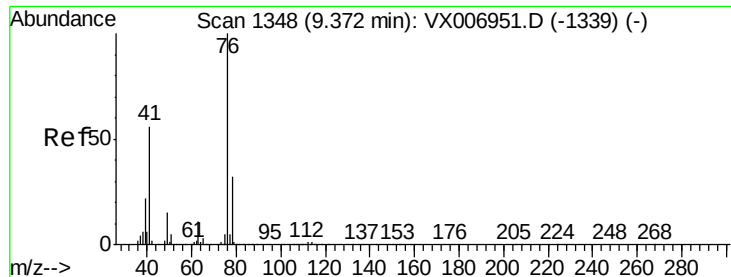
Delta R.T. 0.00 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Tgt Ion:	69	Resp:	1286178
Ion Ratio	Lower	Upper	
69	100		
41	63.7	48.7	73.1
39	37.1	27.0	40.6





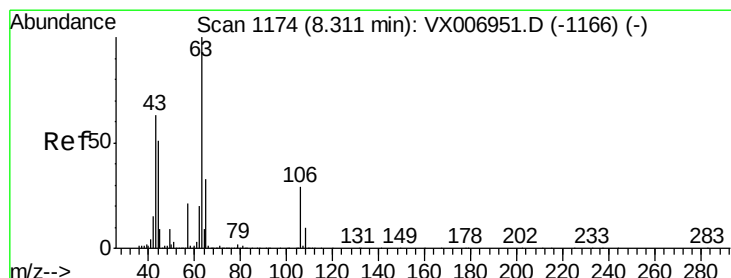
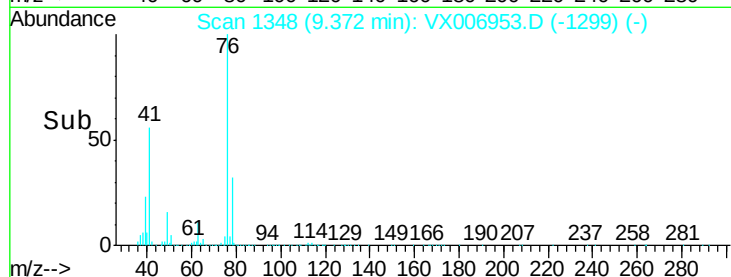
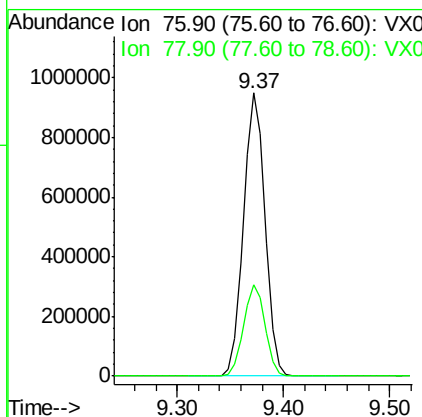
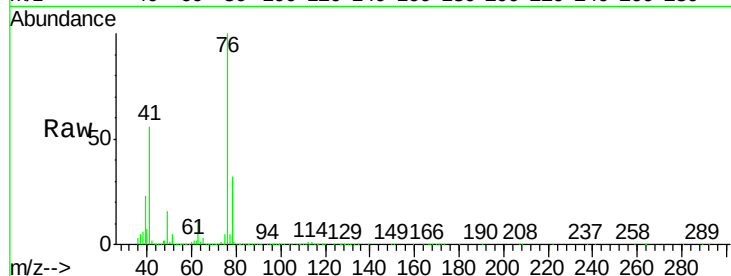
#57
 1,3-Dichloropropane
 Concen: 141.090 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX006953.D
 Acq: 08 Jan 2019 13:45

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion: 76 Resp: 1349807
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.0 39.0

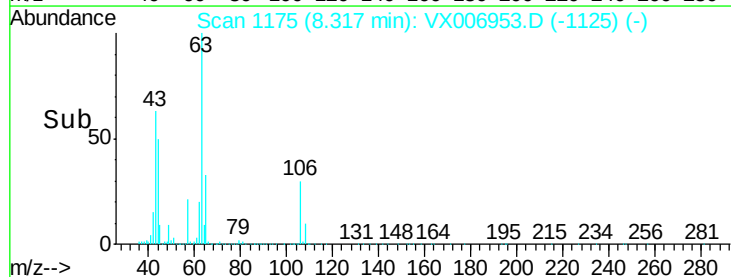
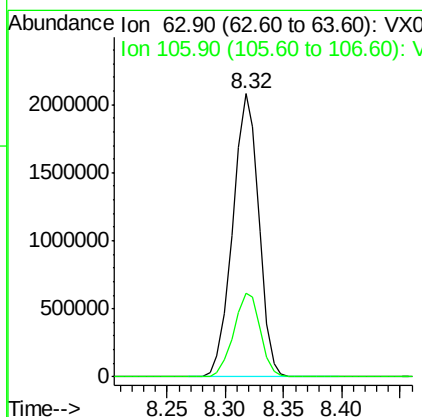
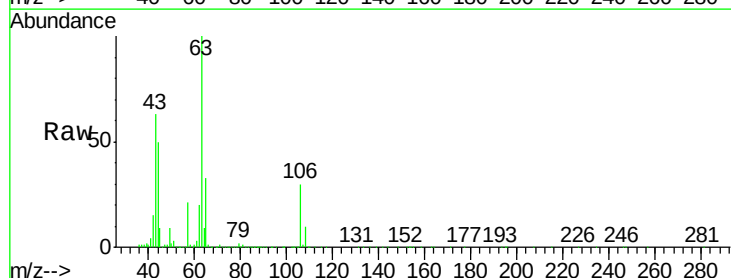
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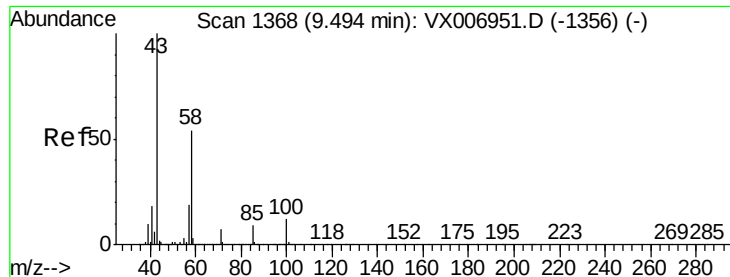
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#58
 2-Chloroethyl Vinyl ether
 Concen: 748.678 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VX006953.D
 Acq: 08 Jan 2019 13:45

Tgt Ion: 63 Resp: 3250122
 Ion Ratio Lower Upper
 63 100
 106 30.1 24.6 36.8





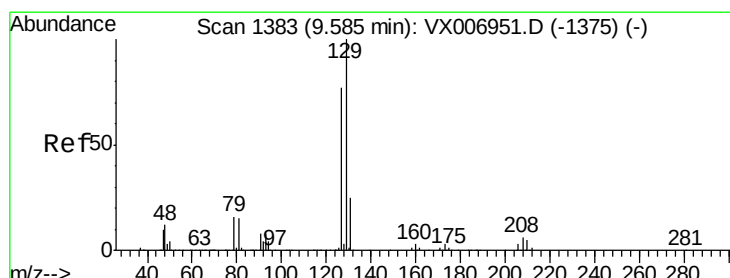
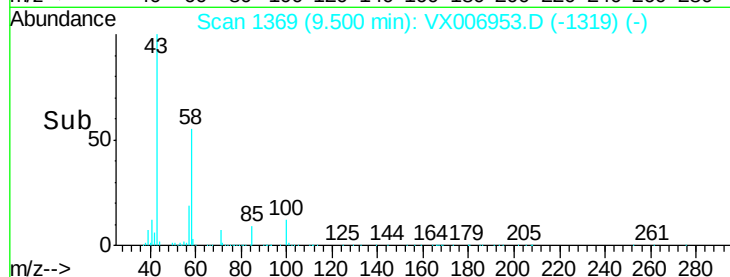
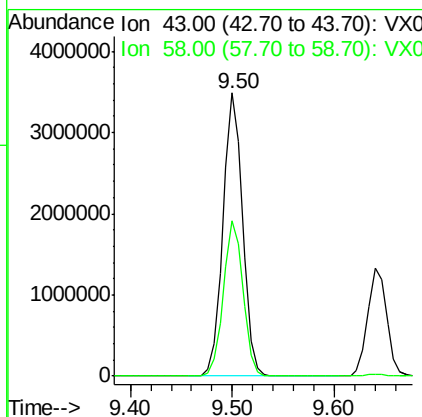
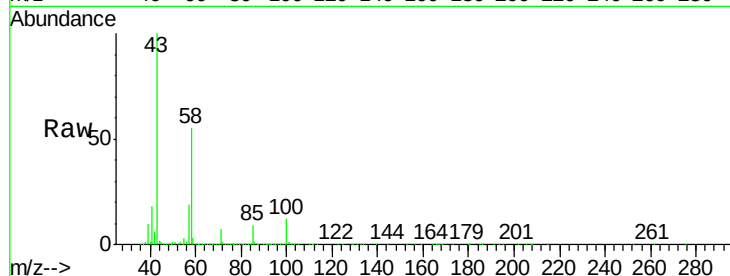
#59
2-Hexanone
Concen: 768.585 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 4669164
Ion Ratio Lower Upper
43 100
58 54.8 27.7 83.1

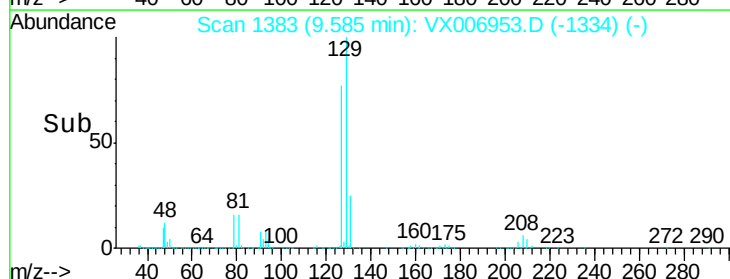
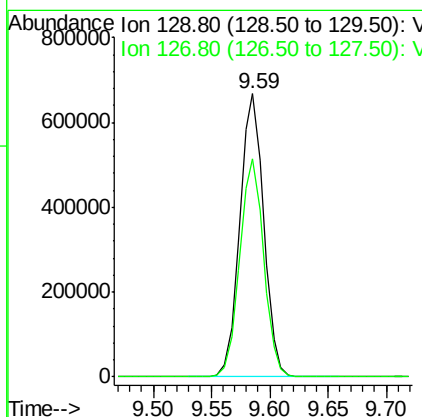
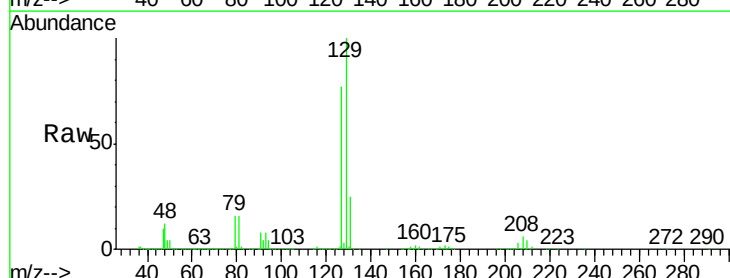
Manual Integrations
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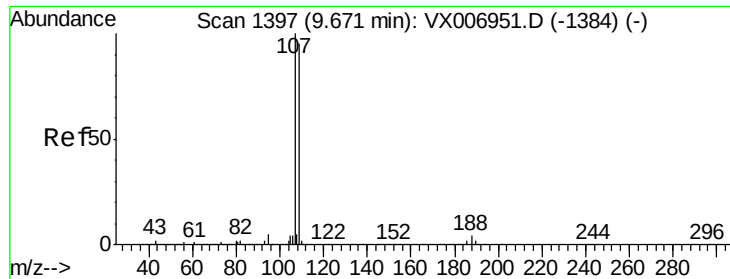
MMDadoda
1/9/2019 10:25:14 AM



#60
Dibromochloromethane
Concen: 174.854 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Tgt Ion: 129 Resp: 955310
Ion Ratio Lower Upper
129 100
127 77.3 39.3 117.8





#61

1,2-Dibromoethane

Concen: 144.167 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 923640

Ion Ratio Lower Upper

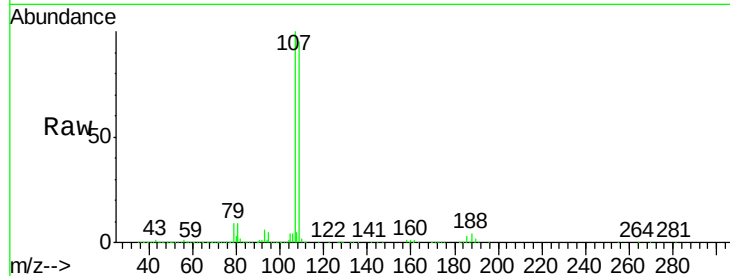
107 100

109 95.1 75.8 113.6

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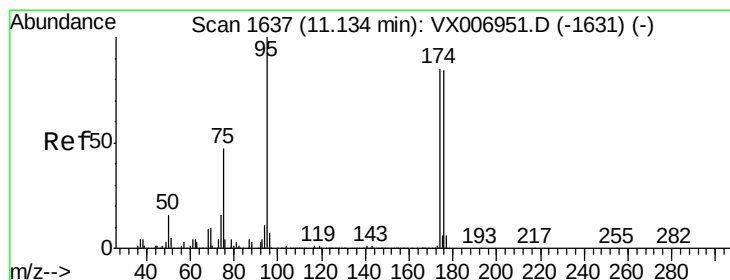
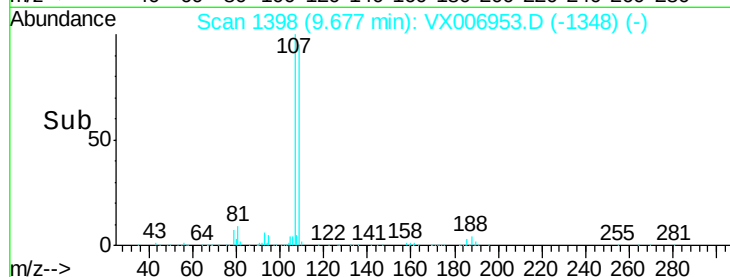
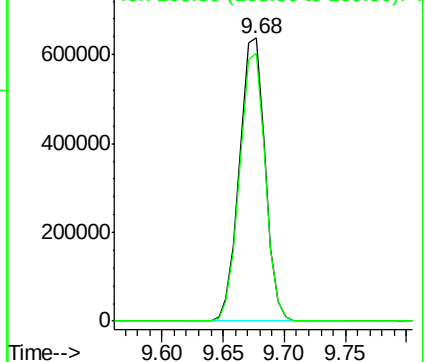
MMDadoda

1/9/2019 10:25:14 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 155.631 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

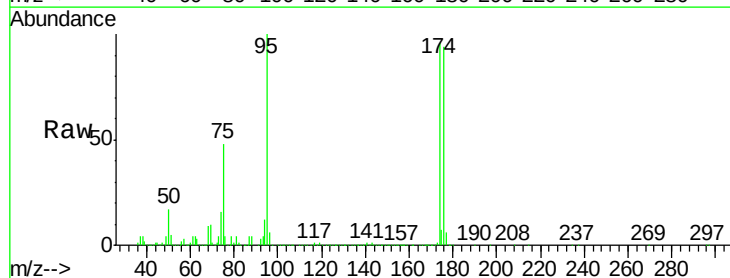
Tgt Ion: 95 Resp: 1069419

Ion Ratio Lower Upper

95 100

174 94.7 0.0 182.2

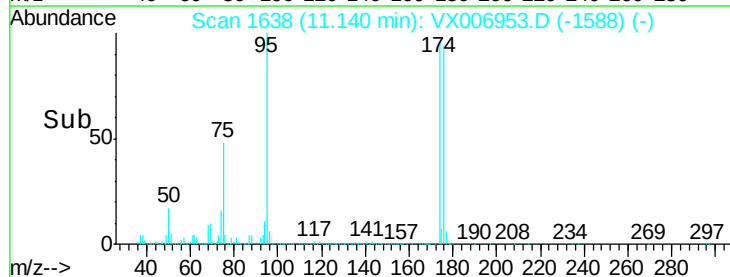
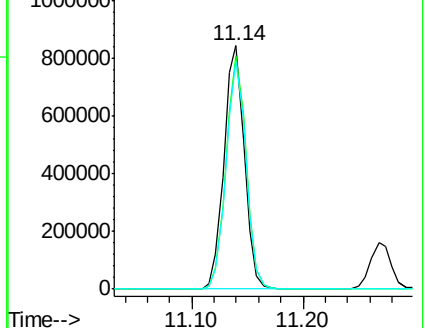
176 91.9 0.0 178.8

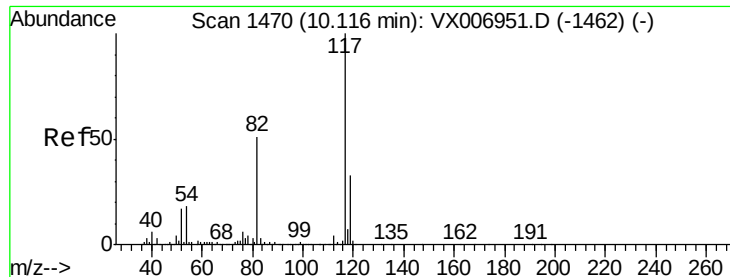


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





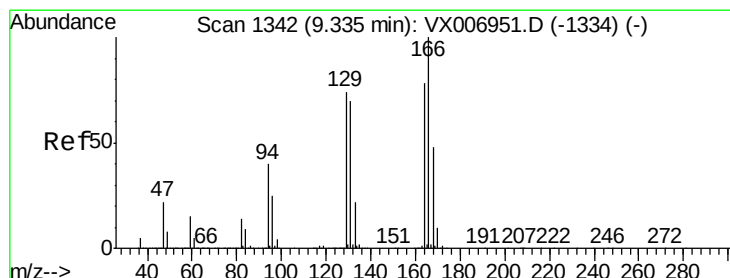
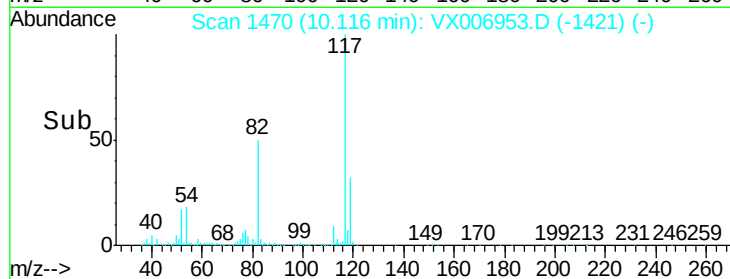
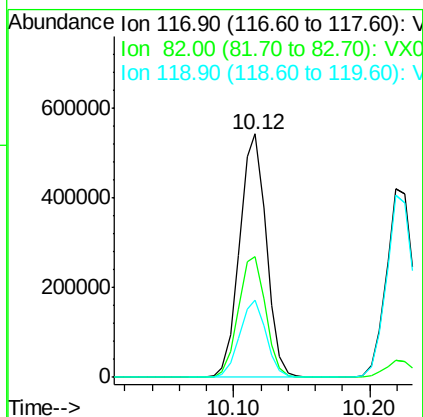
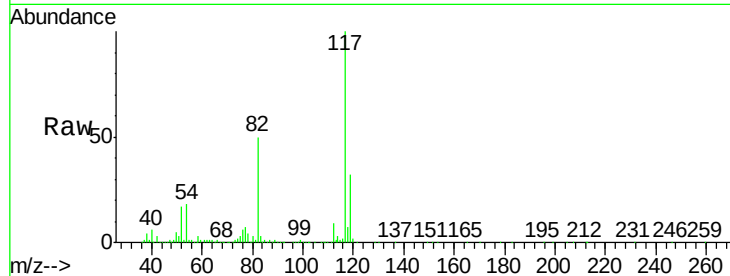
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	740490		
82	49.6		41.0	61.6
119	31.9		25.4	38.0

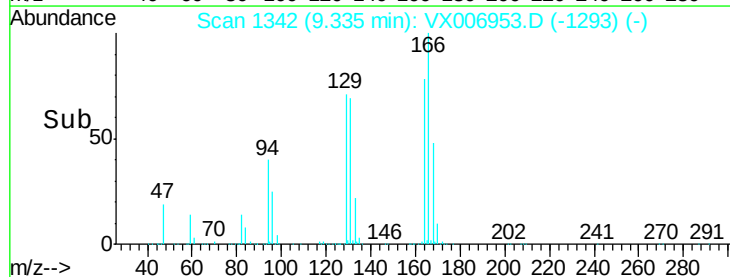
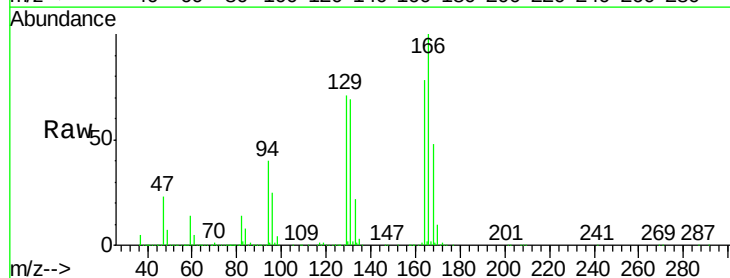
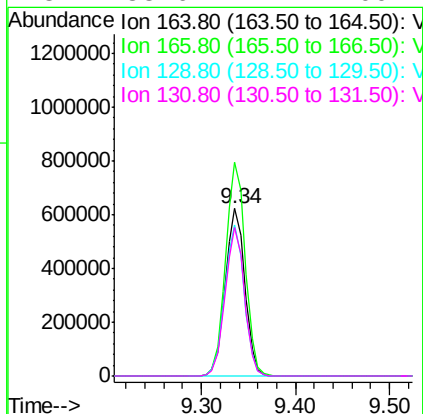
Manual Integrations
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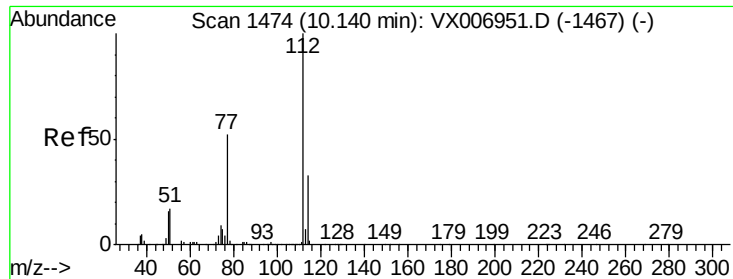
MMDadoda
1/9/2019 10:25:14 AM



#64
Tetrachloroethene
Concen: 137.731 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	895190		
166	127.5		102.5	153.7
129	90.4		75.1	112.7
131	88.6		72.7	109.1





#65

Chlorobenzene

Concen: 143.127 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 2329360

Ion Ratio Lower Upper

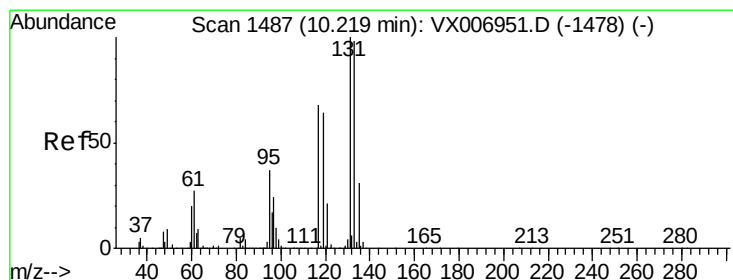
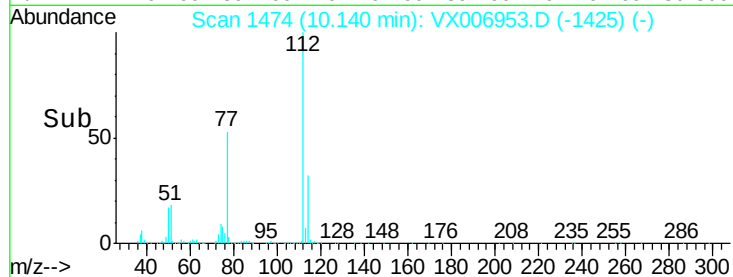
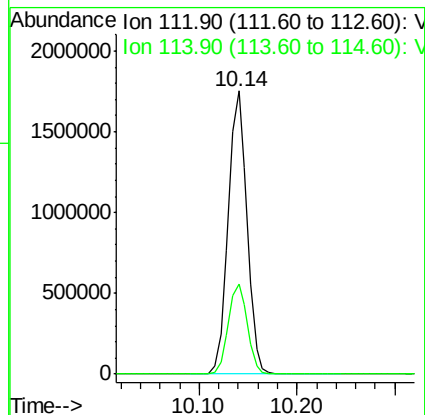
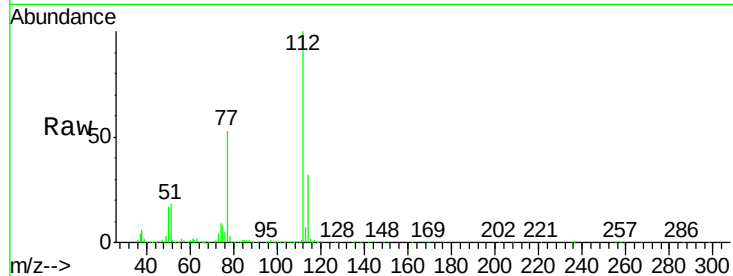
112 100

114 32.0 25.7 38.5

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 164.127 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

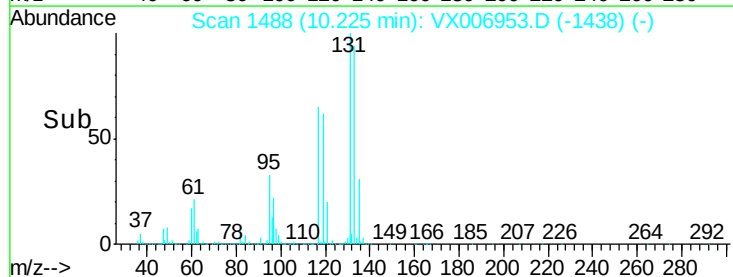
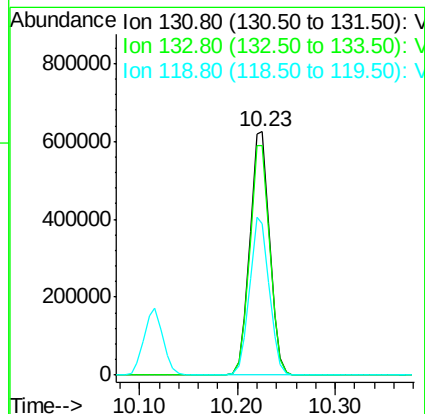
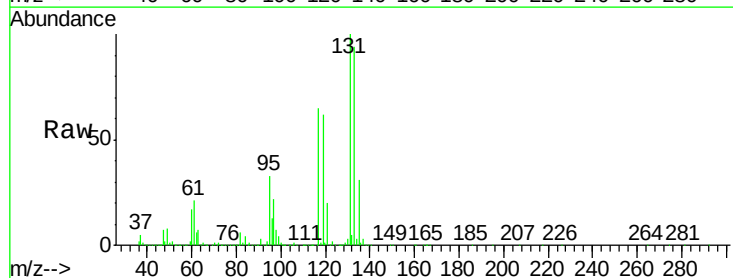
Tgt Ion:131 Resp: 877926

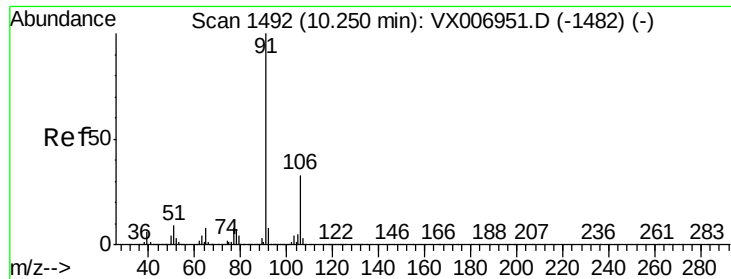
Ion Ratio Lower Upper

131 100

133 95.1 48.0 144.2

119 64.0 32.6 97.8





#67

Ethyl Benzene

Concen: 144.275 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 3871359

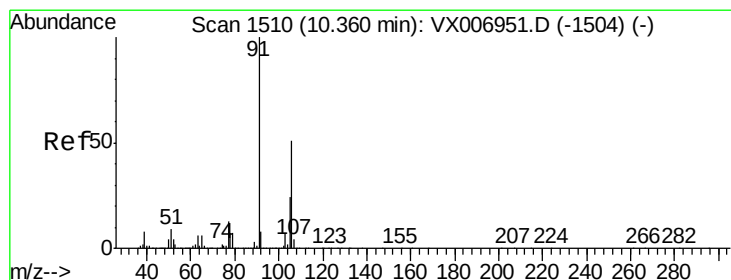
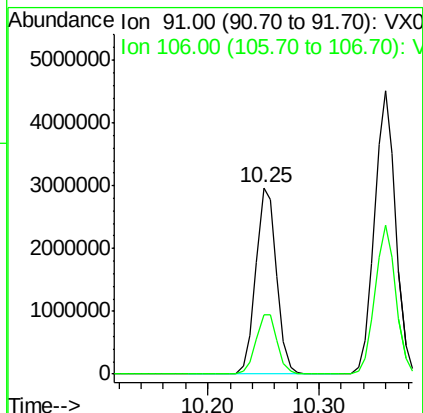
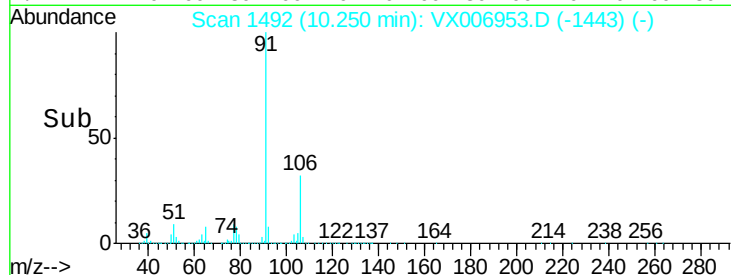
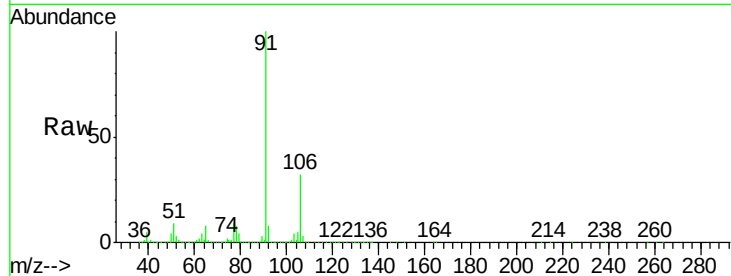
Ion Ratio Lower Upper

91 100

106 32.1 26.4 39.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 294.645 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006953.D

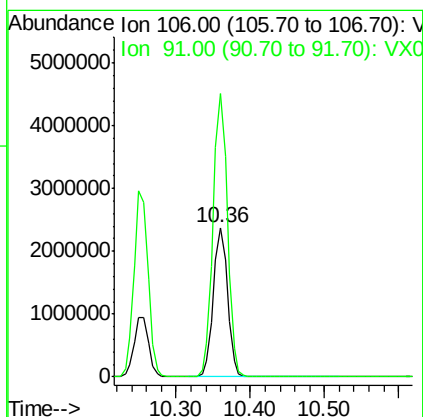
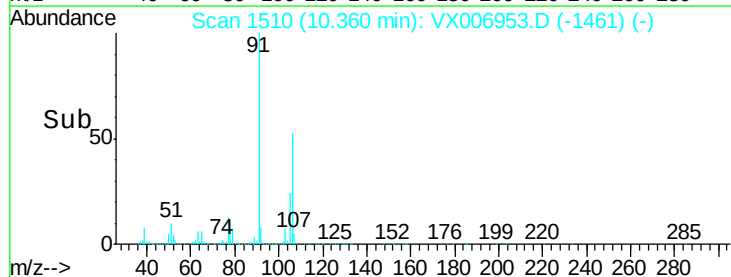
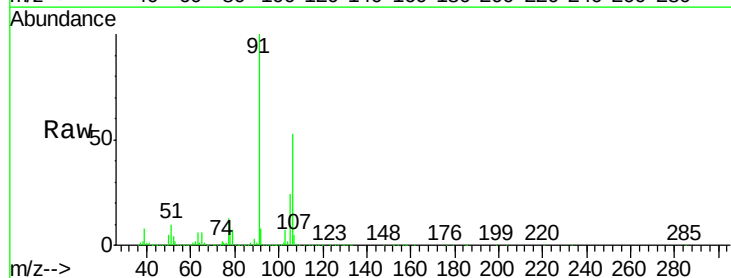
Acq: 08 Jan 2019 13:45

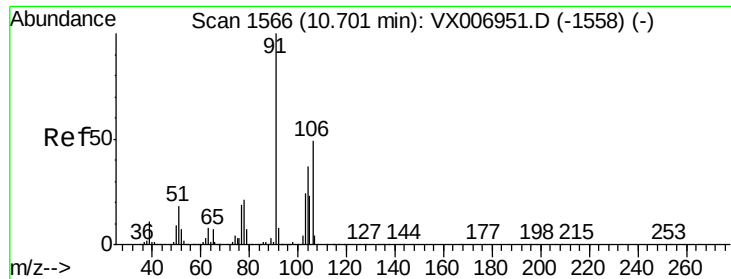
Tgt Ion: 106 Resp: 3104359

Ion Ratio Lower Upper

106 100

91 193.4 155.8 233.6





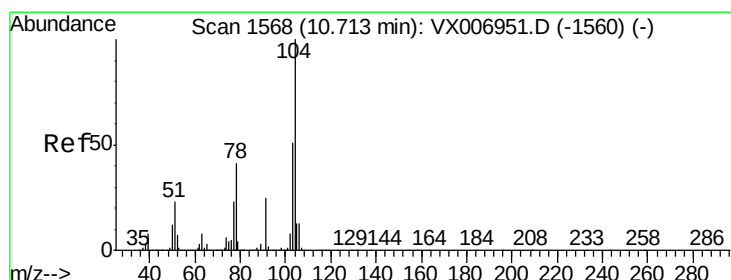
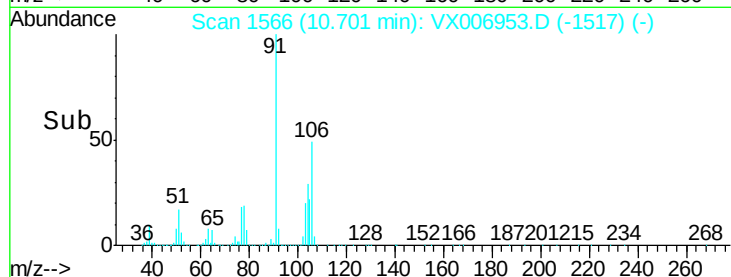
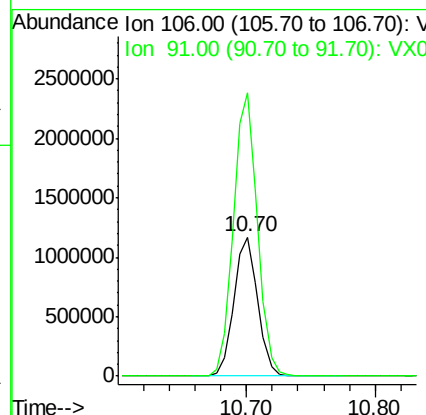
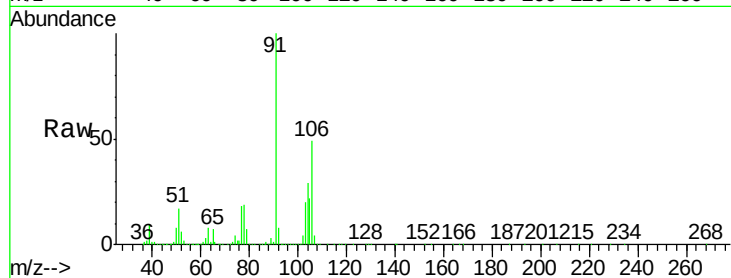
#69
o-Xylene
Concen: 147.158 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 1512355
Ion Ratio Lower Upper
106 100
91 205.4 101.3 303.7

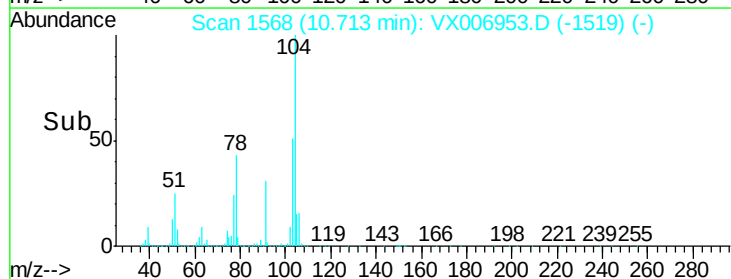
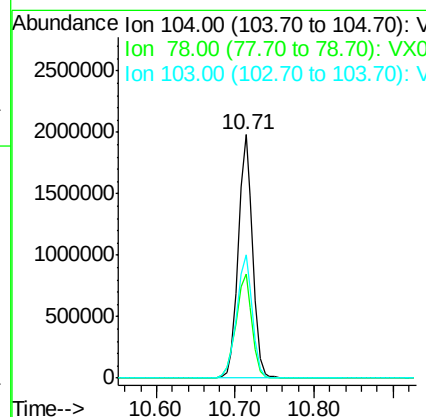
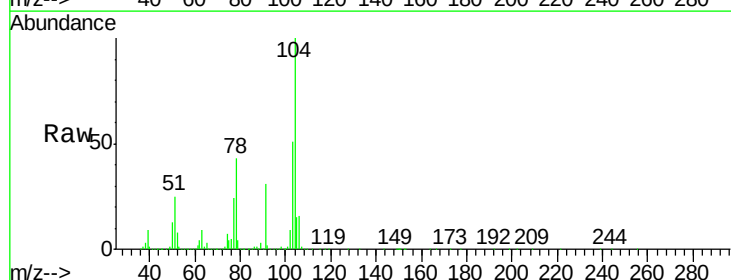
Manual Integrations
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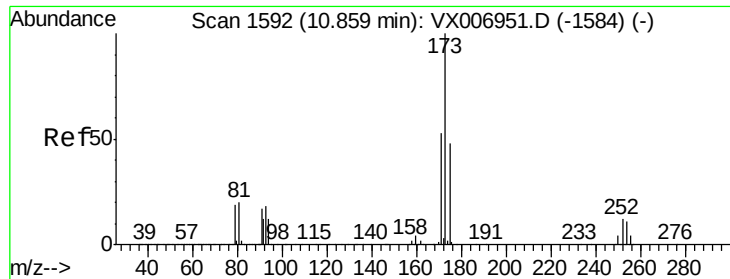
MMDadoda
1/9/2019 10:25:14 AM



#70
Styrene
Concen: 155.002 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Tgt Ion:104 Resp: 2501055
Ion Ratio Lower Upper
104 100
78 48.0 37.7 56.5
103 55.5 43.8 65.8





#71

Bromoform

Concen: 206.383 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 806844

Ion Ratio Lower Upper

173 100

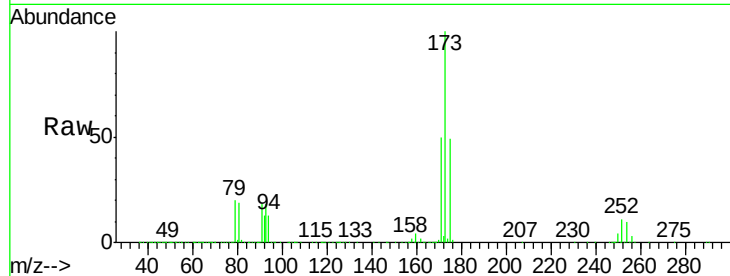
175 48.7 24.7 74.1

254 0.1 0.2 0.2#

Manual Integrations
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MMDadoda

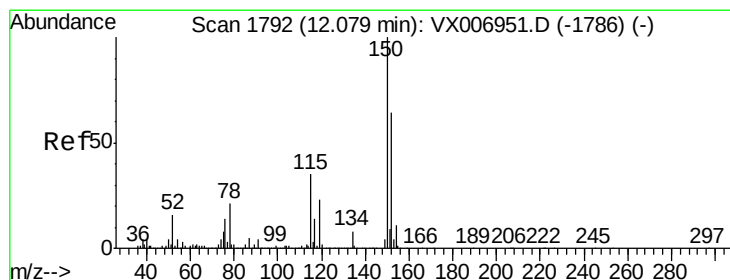
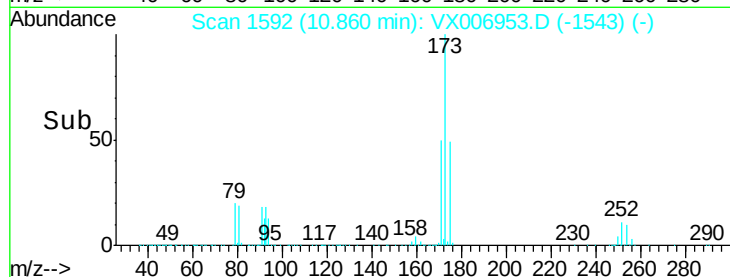
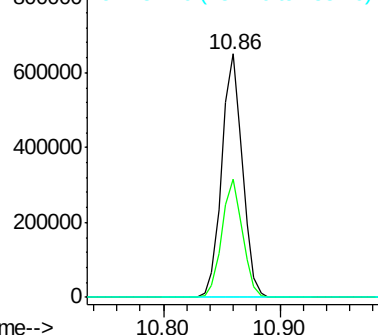
1/9/2019 10:25:14 AM



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: VX006953.D

Acq: 08 Jan 2019 13:45

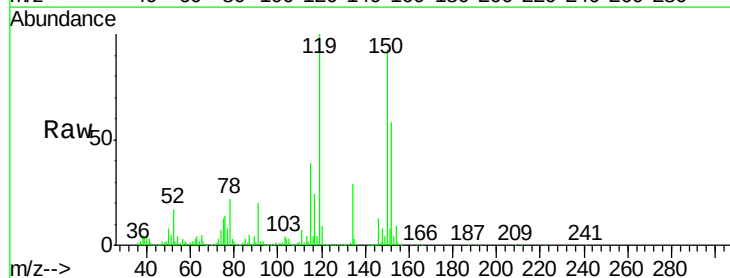
Tgt Ion:152 Resp: 412005

Ion Ratio Lower Upper

152 100

115 122.9 39.1 117.2#

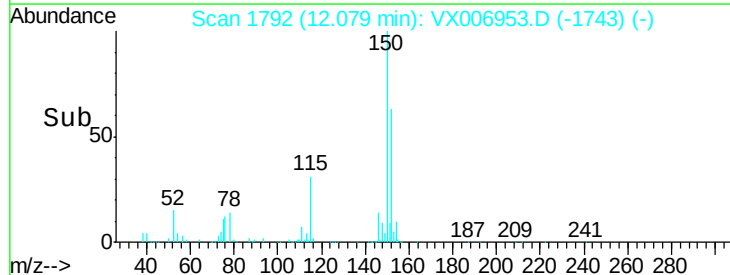
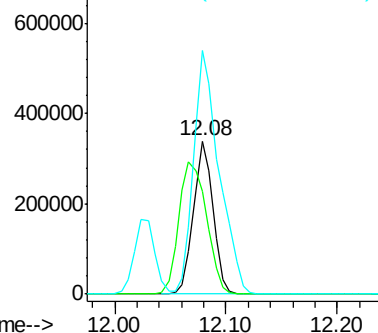
150 207.7 0.0 344.8

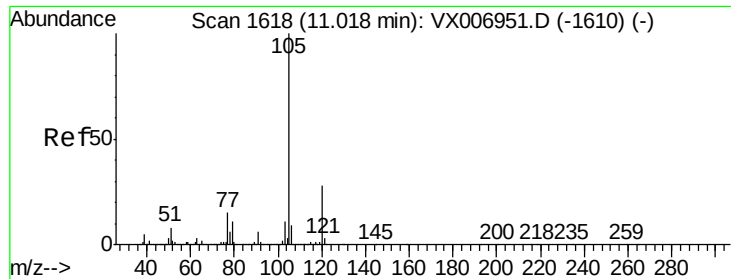


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 134.106 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3966088

Ion Ratio Lower Upper

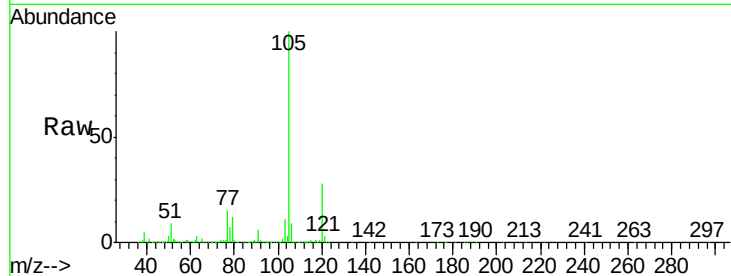
105 100

120 27.7 14.1 42.4

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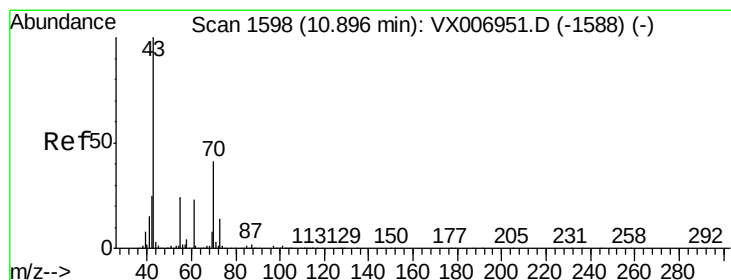
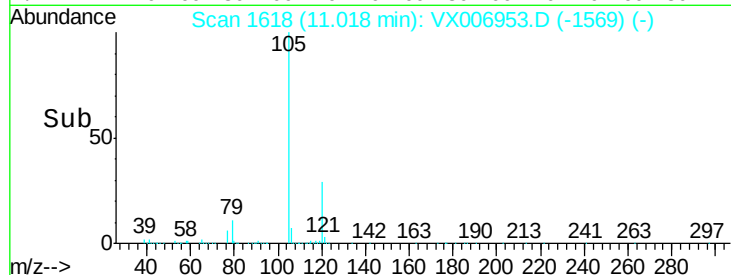
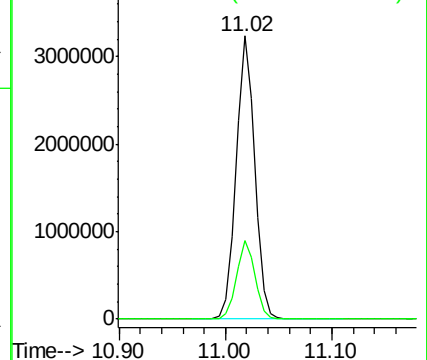
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 154.824 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Tgt Ion: 43 Resp: 1801327

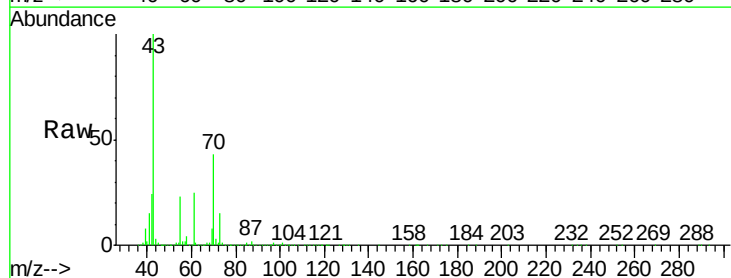
Ion Ratio Lower Upper

43 100

70 42.3 35.8 53.8

55 22.9 19.4 29.0

61 24.4 20.1 30.1

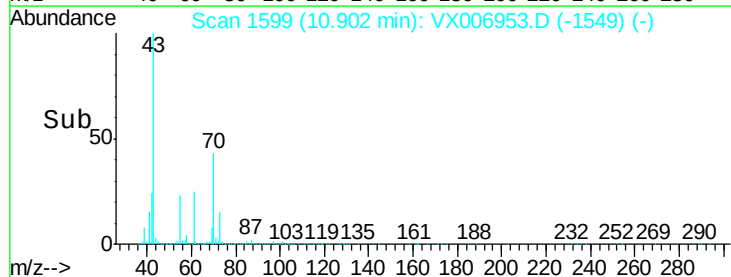
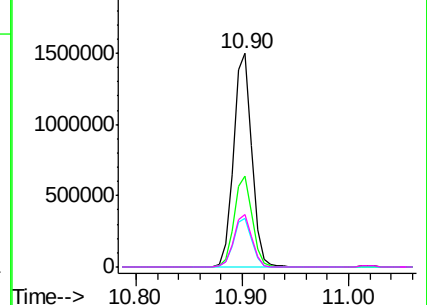


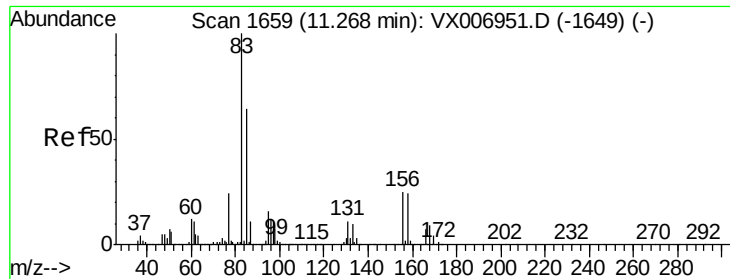
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 145.218 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 83 Resp: 1346514

Ion Ratio Lower Upper

83 100

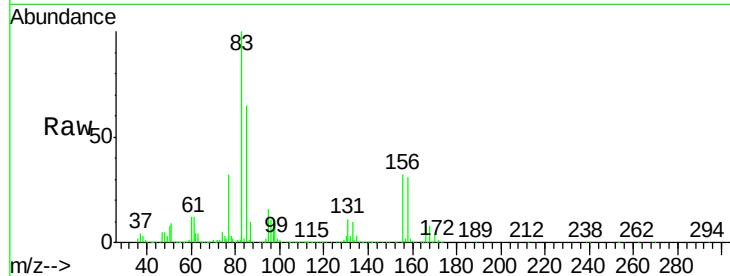
131 11.0 5.7 17.1

85 64.4 32.2 96.6

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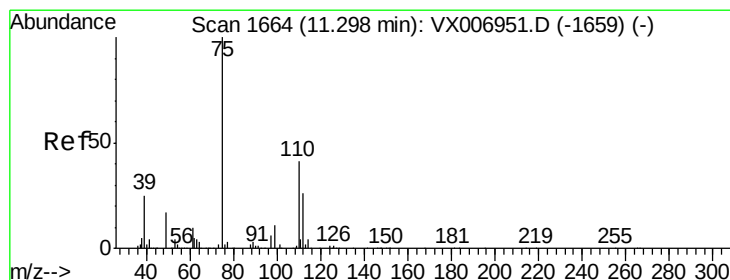
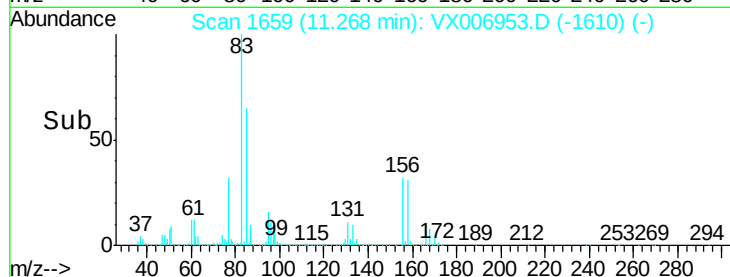
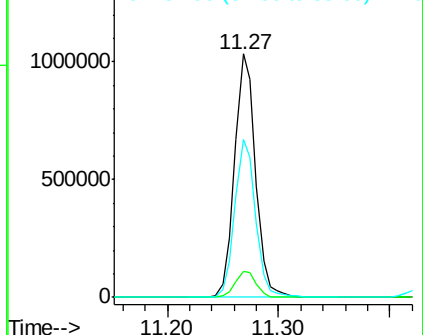
1/9/2019 10:25:14 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 141.202 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX006953.D

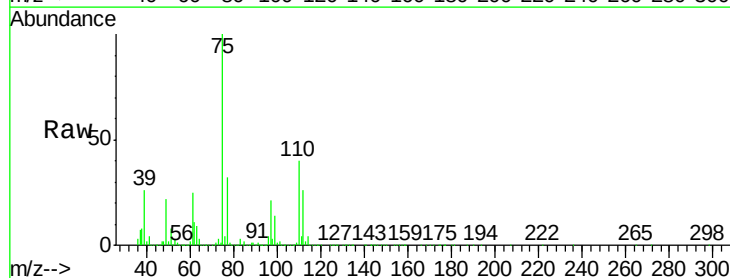
Acq: 08 Jan 2019 13:45

Tgt Ion: 75 Resp: 1190550

Ion Ratio Lower Upper

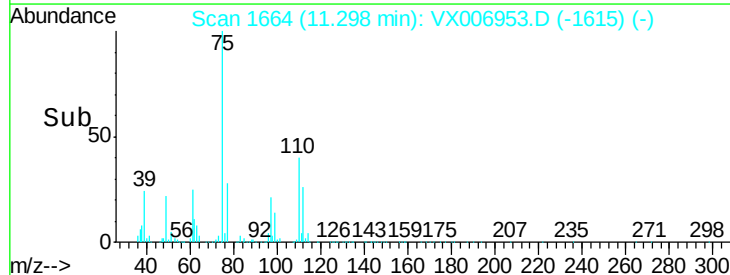
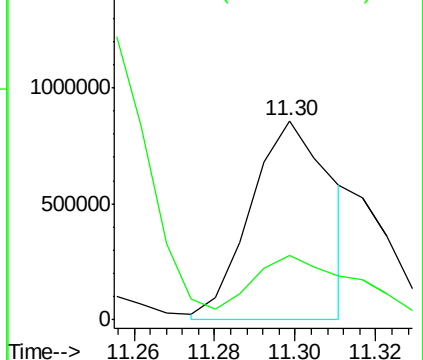
75 100

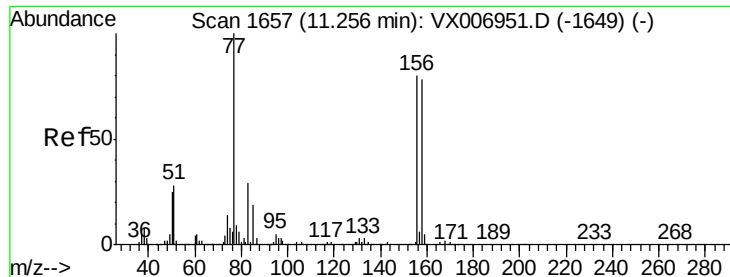
77 42.3 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 138.217 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 1121095

Ion Ratio Lower Upper

156 100

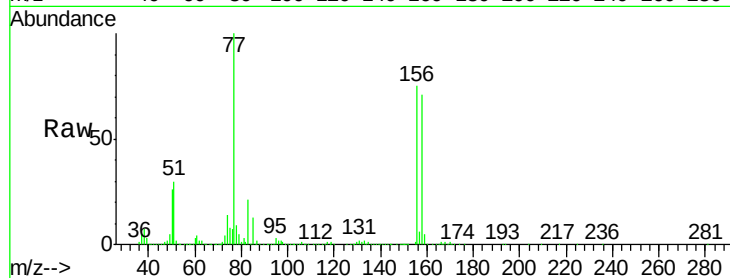
77 135.0 68.0 204.0

158 96.8 48.3 144.8

Manual Integrations
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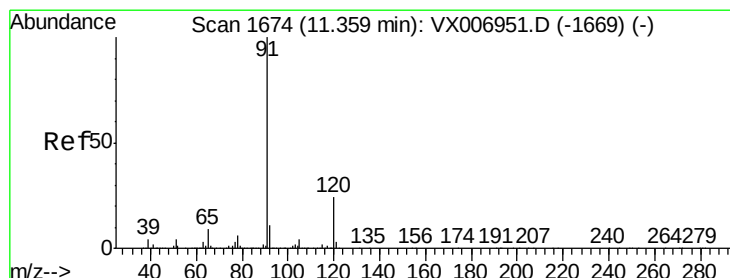
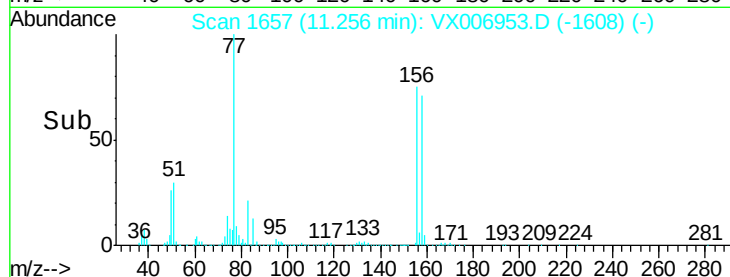
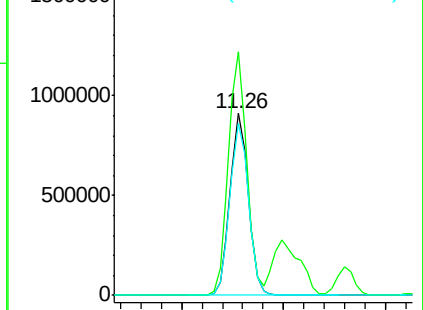
1/9/2019 10:25:14 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 138.196 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006953.D

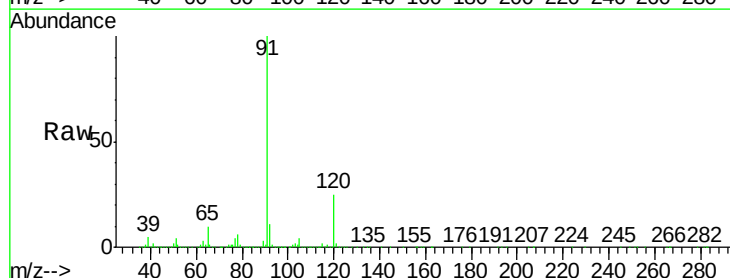
Acq: 08 Jan 2019 13:45

Tgt Ion: 91 Resp: 4466062

Ion Ratio Lower Upper

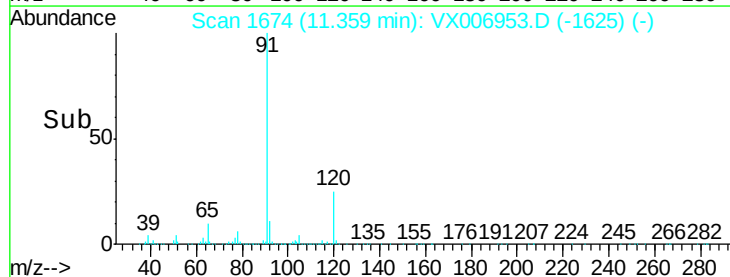
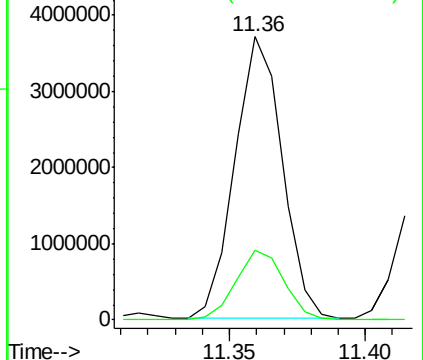
91 100

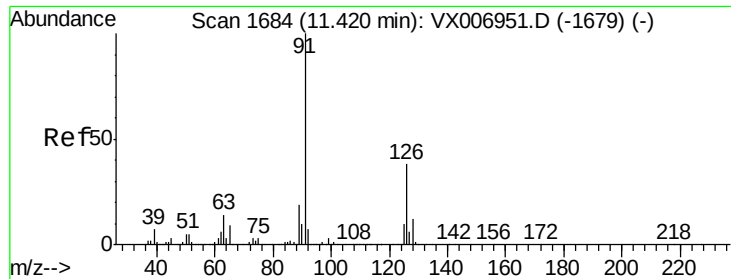
120 25.3 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 134.242 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2623144

Ion Ratio Lower Upper

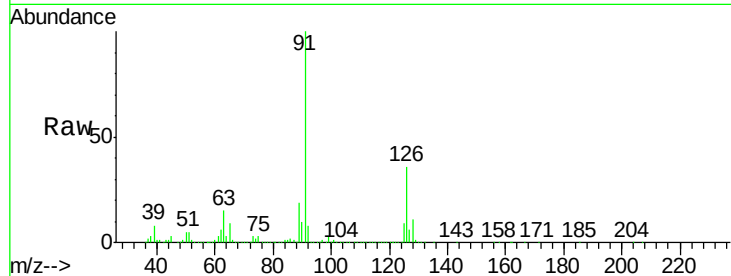
91 100

126 37.2 18.6 56.0

Manual Integrations
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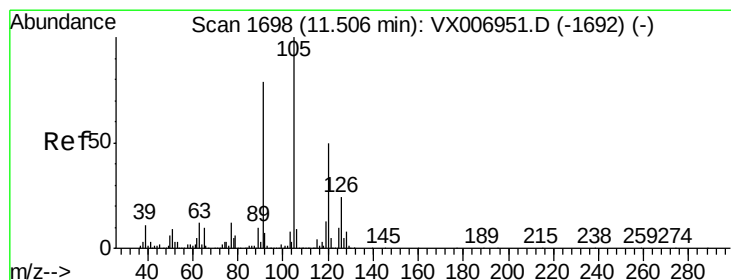
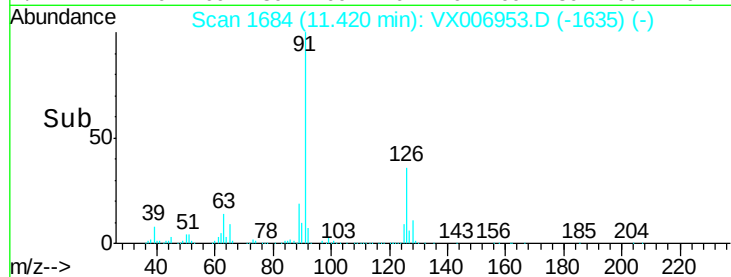
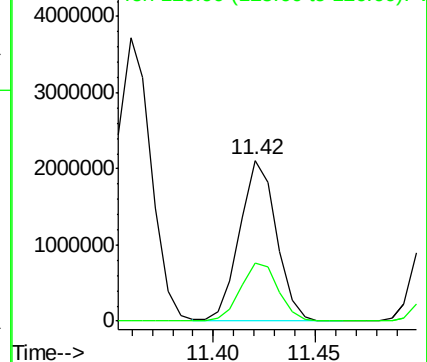
MMDadoda

1/9/2019 10:25:14 AM



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: 137.912 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006953.D

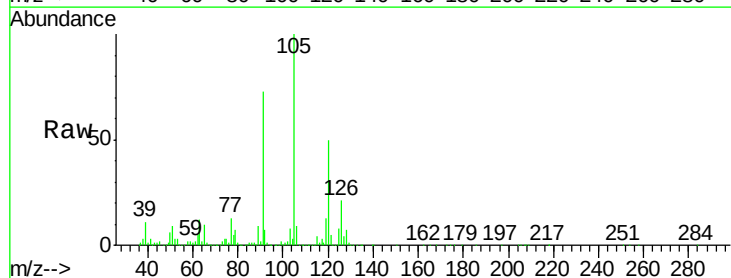
Acq: 08 Jan 2019 13:45

Tgt Ion:105 Resp: 3393432

Ion Ratio Lower Upper

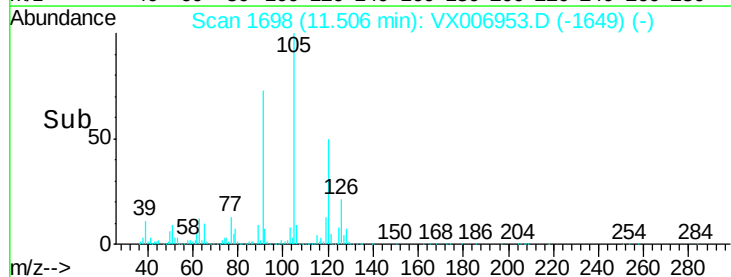
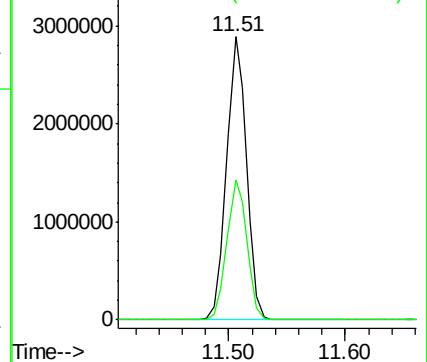
105 100

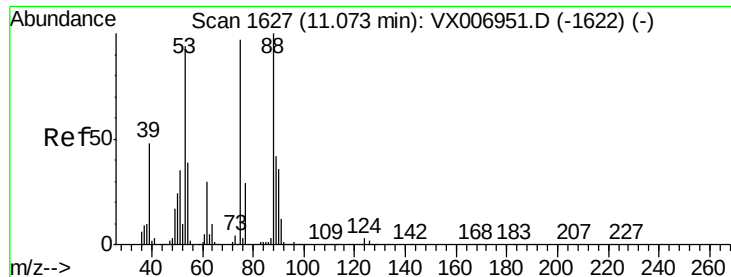
120 50.2 25.1 75.3



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: 200.150 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.01 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Instrument :

MSVOA_X

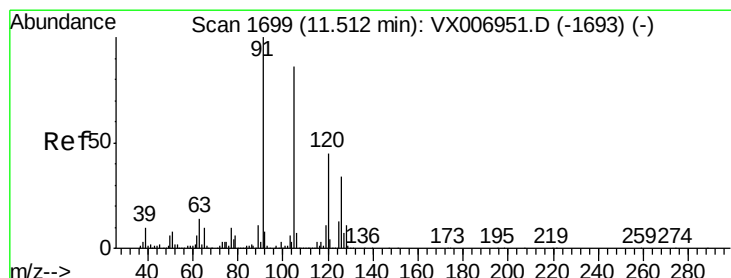
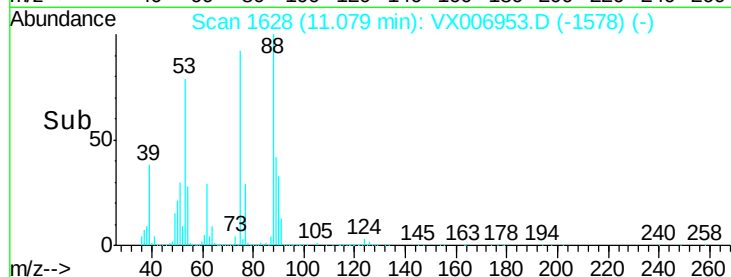
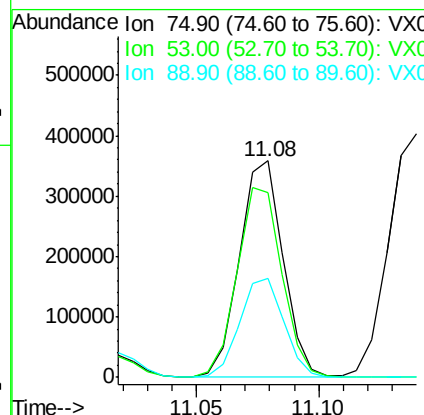
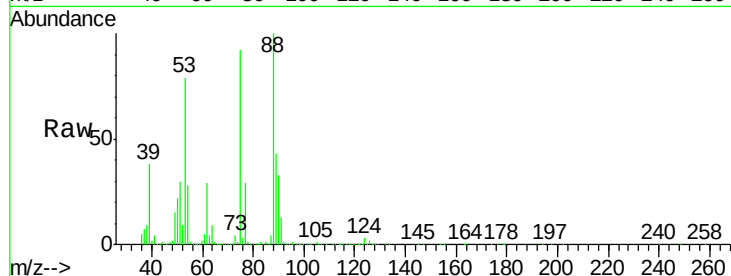
ClientSampled :

VSTDIC150

Tot Ion:	75	Resp:	444931
Ion	Ratio	Lower	Upper
75	100		
53	90.2	79.7	119.5
89	46.6	38.0	57.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 143.040 ug/l

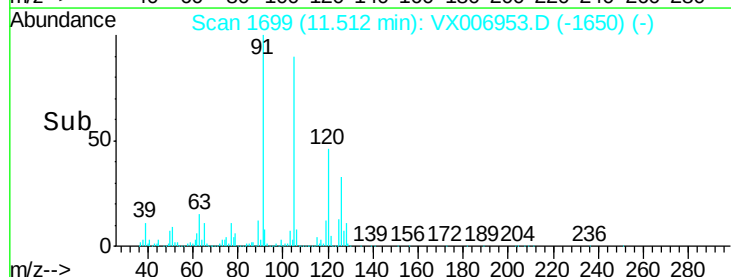
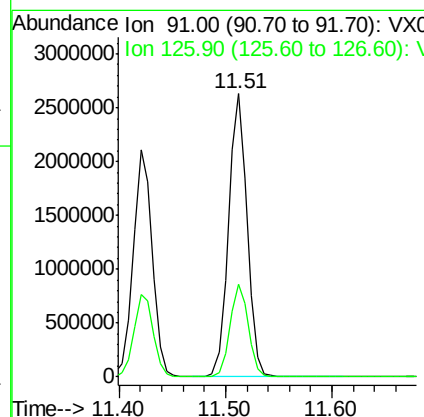
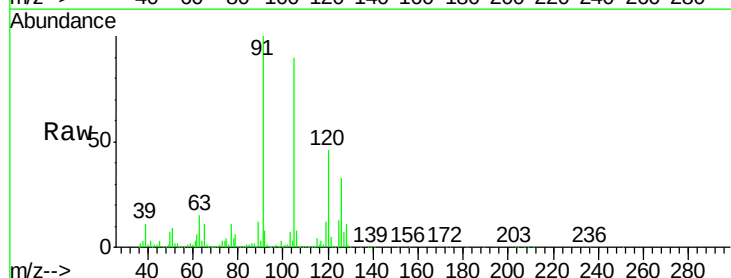
RT: 11.51 min Scan# 1699

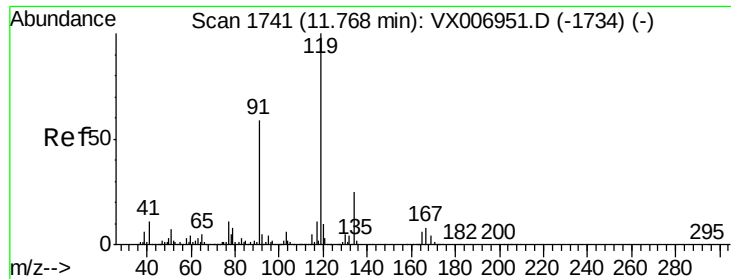
Delta R.T. 0.00 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Tgt Ion:	91	Resp:	3204355
Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.3	48.9





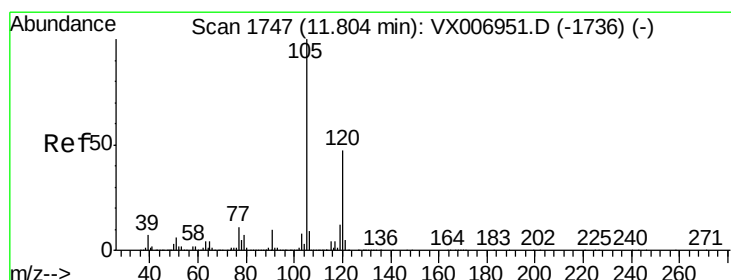
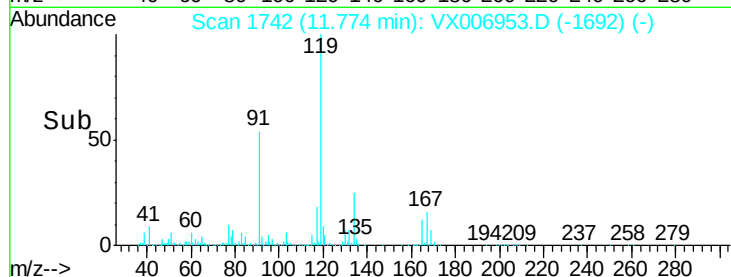
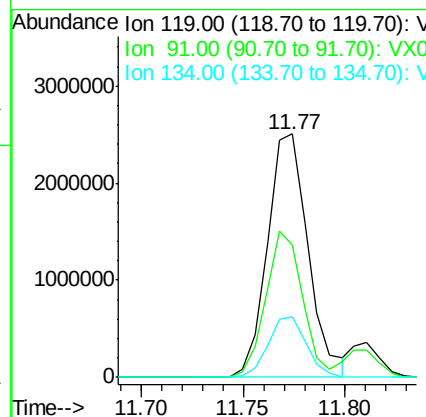
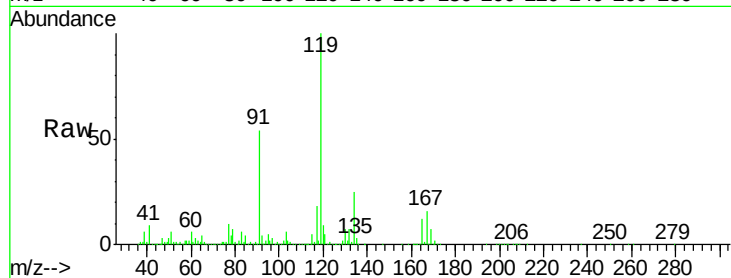
#83
 tert-Butylbenzene
 Concen: 143.397 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.01 min
 Lab File: VX006953.D
 Acq: 08 Jan 2019 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 3498757
 Ion Ratio Lower Upper
 119 100
 91 54.0 27.7 83.1
 134 23.4 11.9 35.5

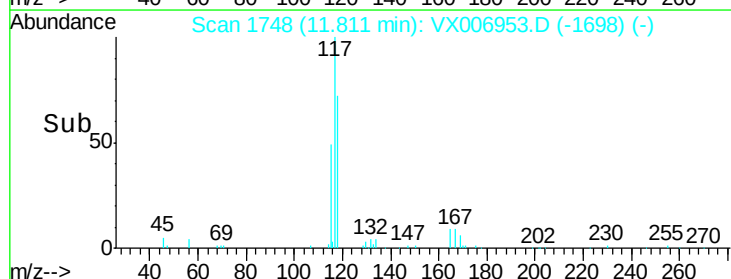
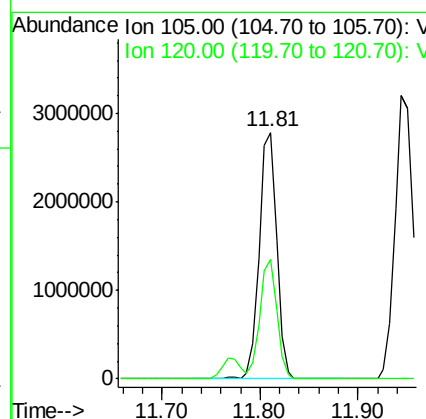
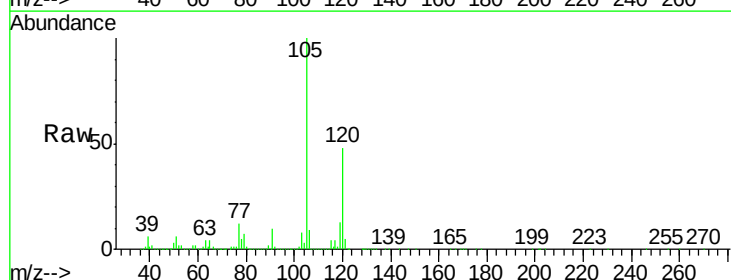
Manual Integrations
 APPROVED

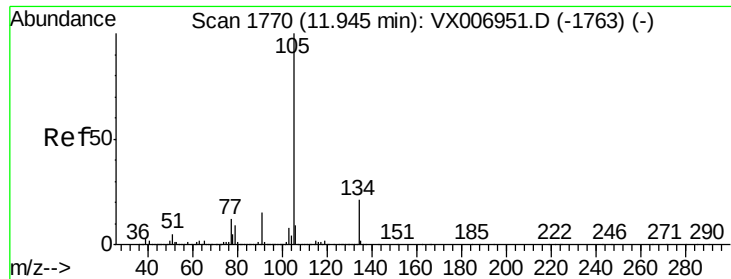
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#84
 1,2,4-Trimethylbenzene
 Concen: 140.342 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX006953.D
 Acq: 08 Jan 2019 13:45

Tgt Ion:105 Resp: 3463036
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.2 69.6





#85

sec-Butylbenzene

Concen: 138.961 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 4069400

Ion Ratio Lower Upper

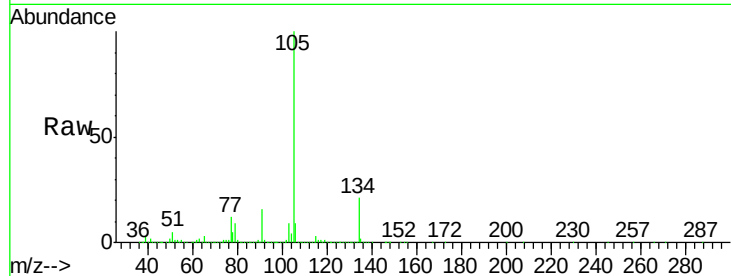
105 100

134 21.5 10.7 31.9

Manual Integrations
APPROVED

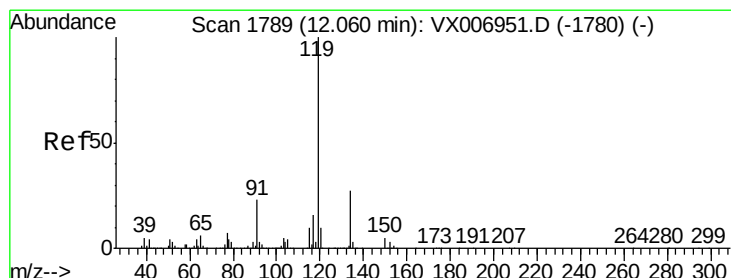
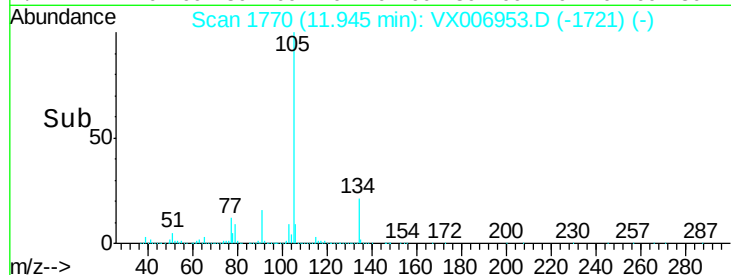
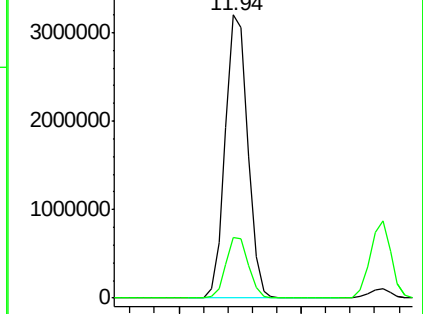
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 143.002 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX006953.D

Acq: 08 Jan 2019 13:45

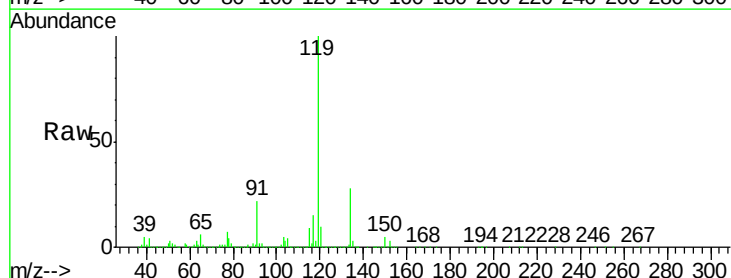
Tgt Ion:119 Resp: 3728879

Ion Ratio Lower Upper

119 100

134 27.6 14.0 41.9

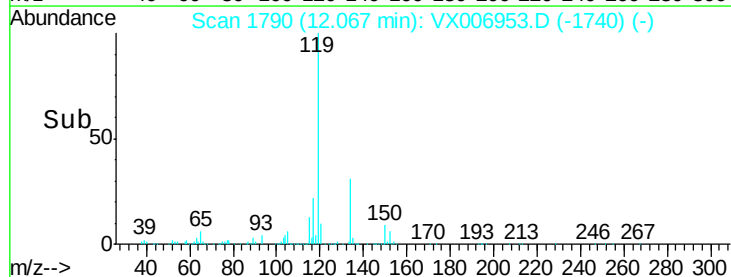
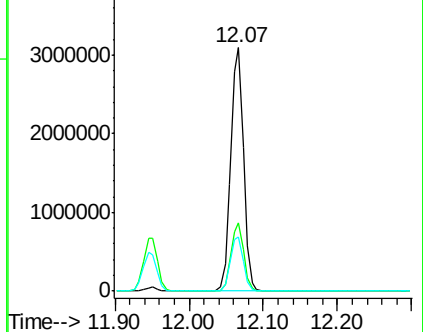
91 22.8 11.3 33.9

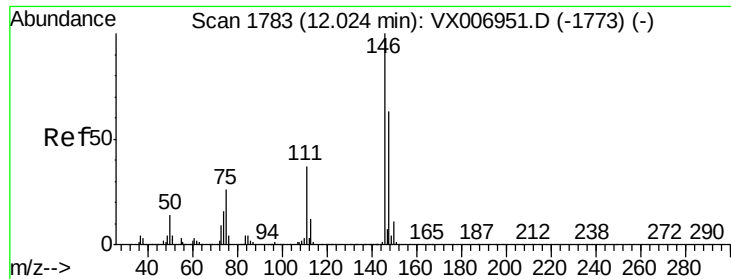


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





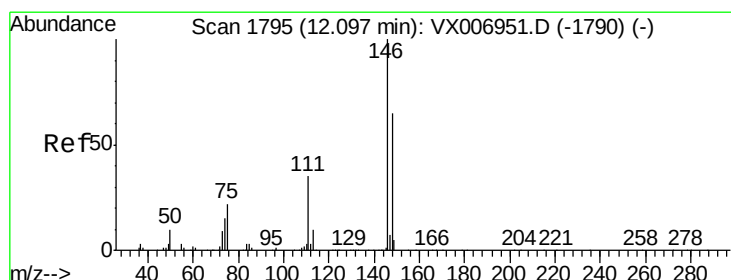
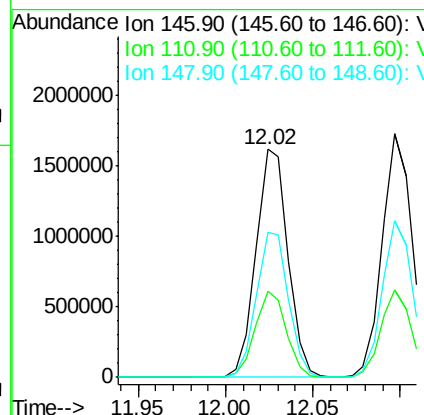
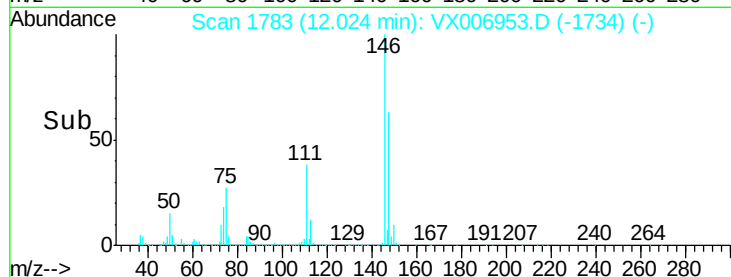
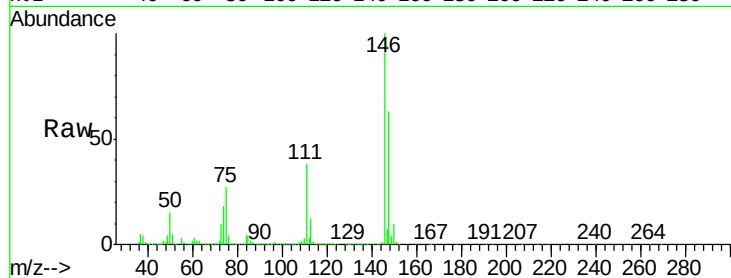
#87
 1,3-Dichlorobenzene
 Concen: 140.748 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006953.D
 Acq: 08 Jan 2019 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 2057610
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.6 55.8
 148 64.2 31.8 95.3

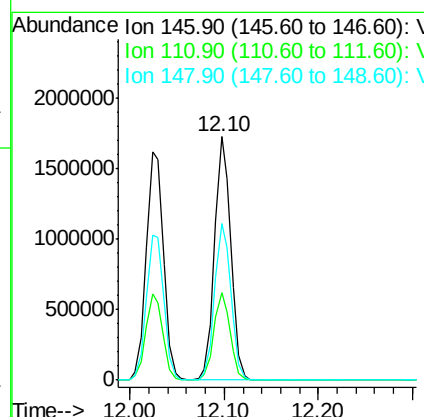
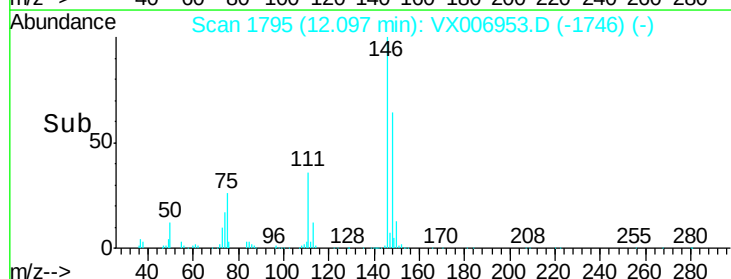
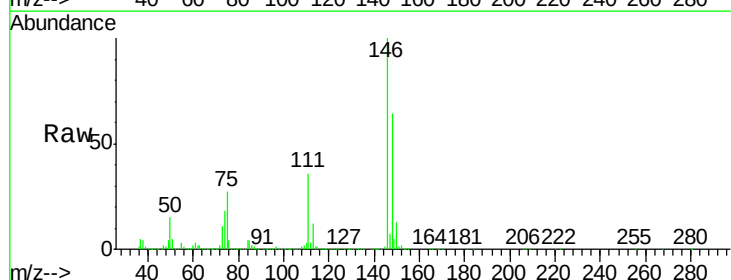
Manual Integrations
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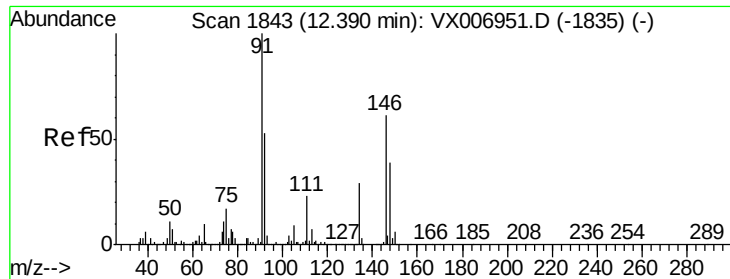
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 1/9/2019 10:25:14 AM



#88
 1,4-Dichlorobenzene
 Concen: 137.181 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006953.D
 Acq: 08 Jan 2019 13:45

Tgt Ion:146 Resp: 2070613
 Ion Ratio Lower Upper
 146 100
 111 35.9 18.1 54.1
 148 64.6 31.9 95.9





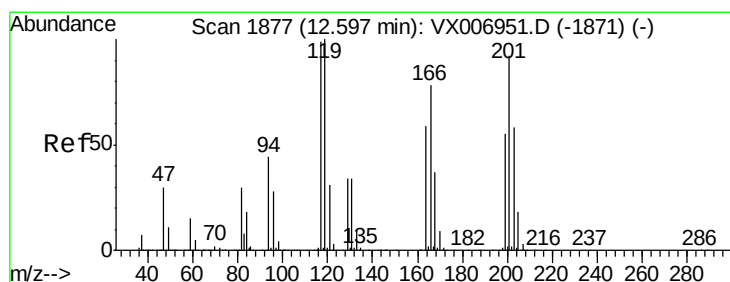
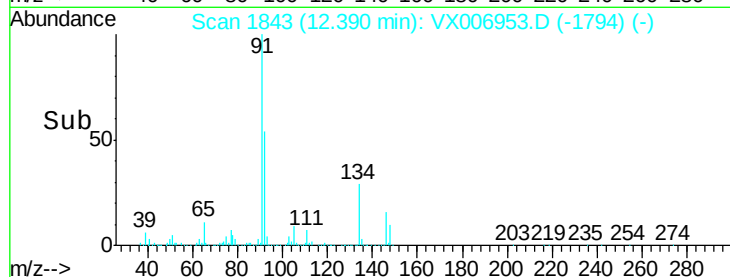
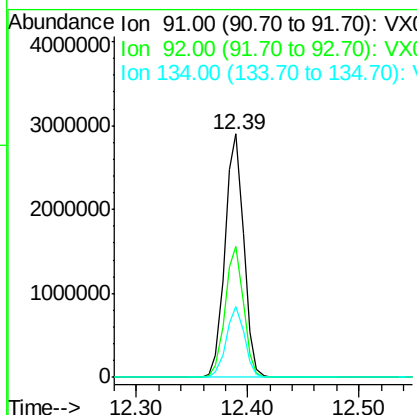
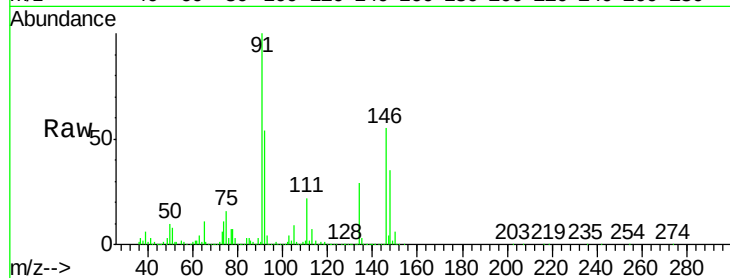
#89
n-Butylbenzene
Concen: 153.067 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.8	80.4
134	28.3	14.4	43.2

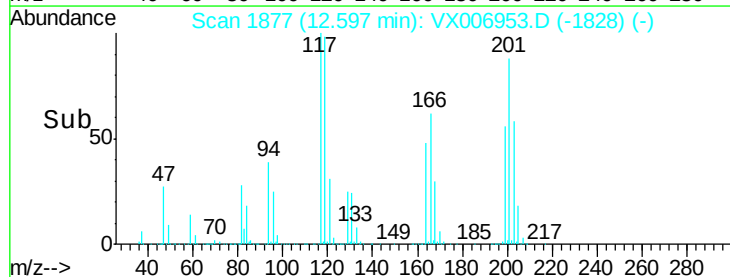
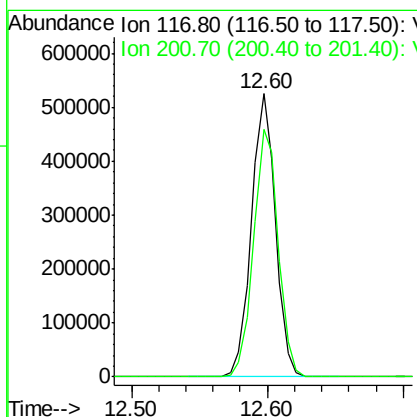
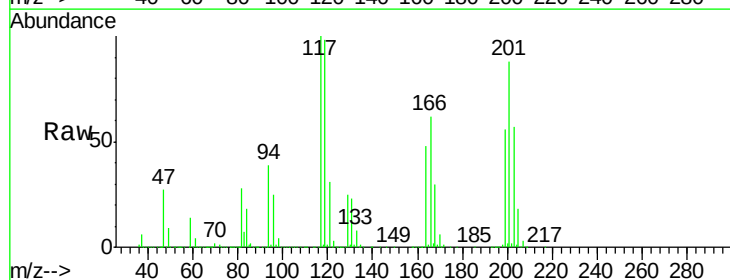
Manual Integrations
APPROVED

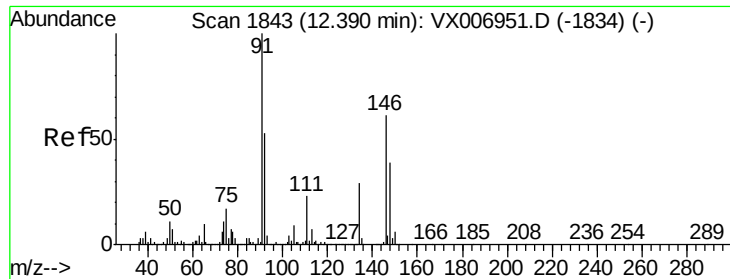
MMDadoda
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#90
Hexachloroethane
Concen: 185.433 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.7	42.9	128.7





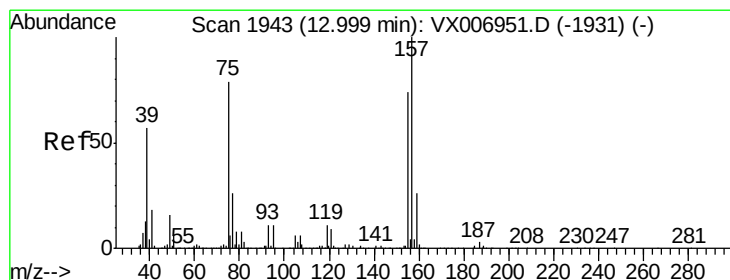
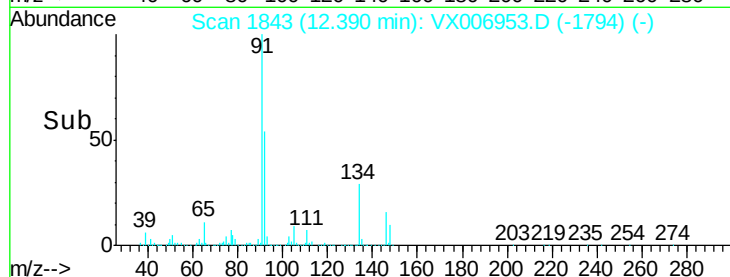
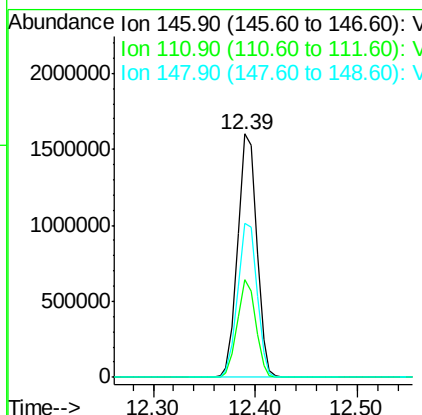
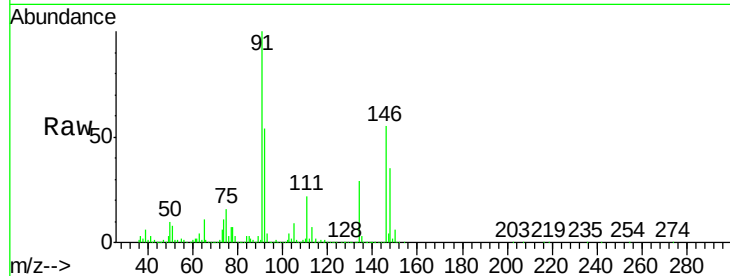
#91
 1,2-Dichlorobenzene
 Concen: 142.497 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX006953.D
 Acq: 08 Jan 2019 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.2
148	64.0	32.3	96.9

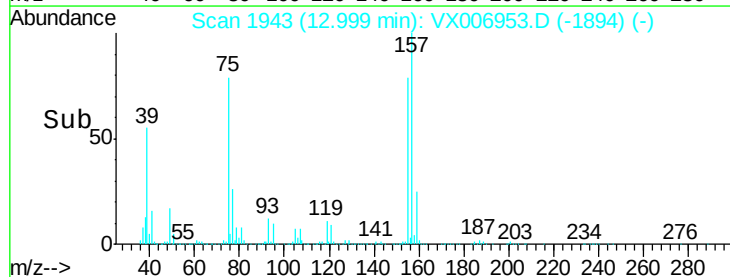
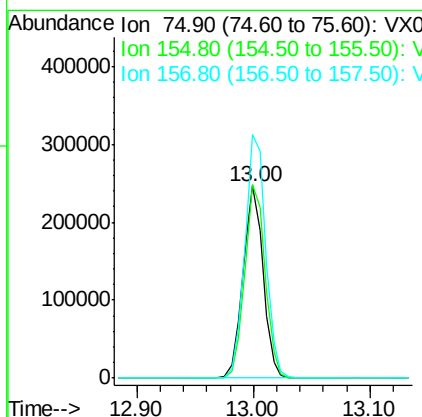
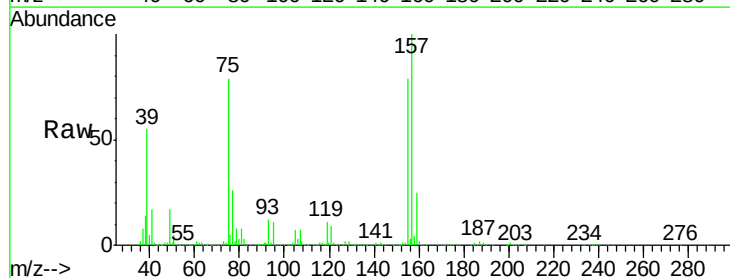
Manual Integrations
 APPROVED

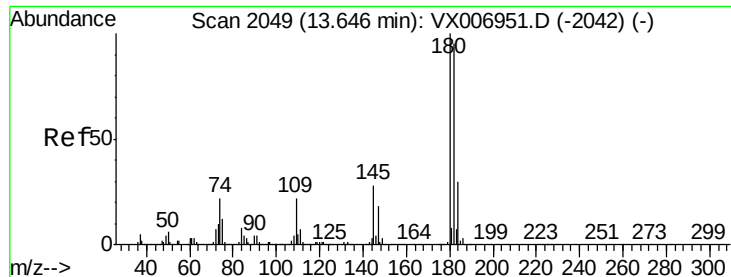
MMDadoda
 1/9/2019 10:25:14 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 164.939 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX006953.D
 Acq: 08 Jan 2019 13:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.4	50.6	151.8
157	132.0	64.6	193.8





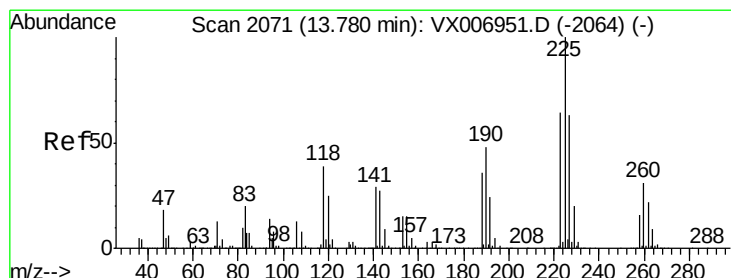
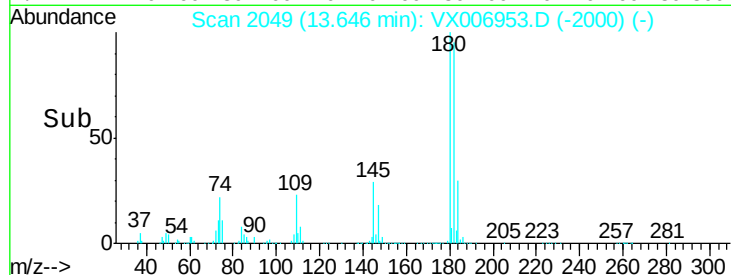
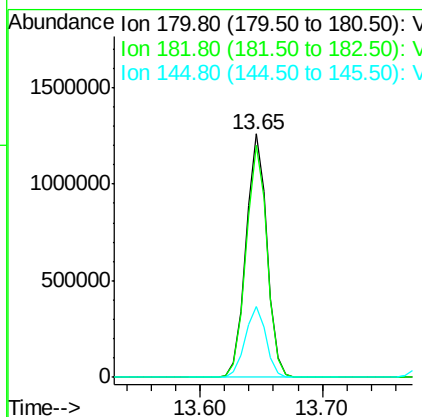
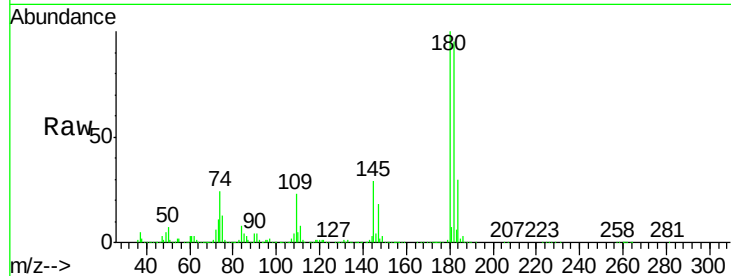
#93
 1,2,4-Trichlorobenzene
 Concen: 152.446 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006953.D
 Acq: 08 Jan 2019 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	142.0
145	28.6	14.8	44.3

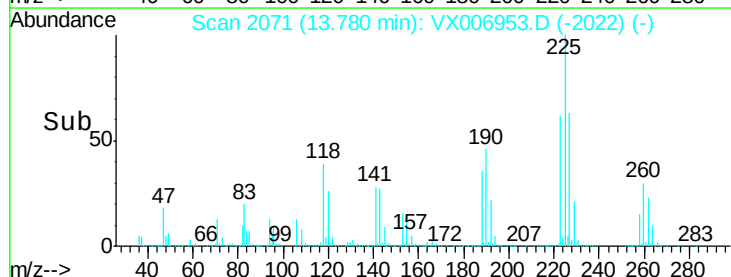
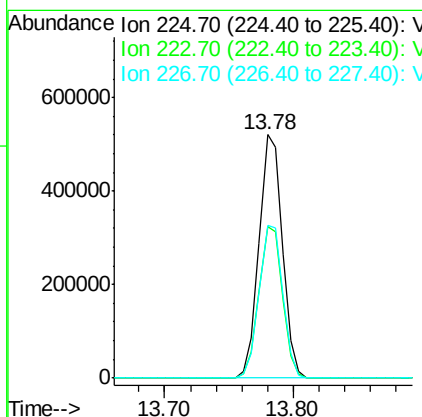
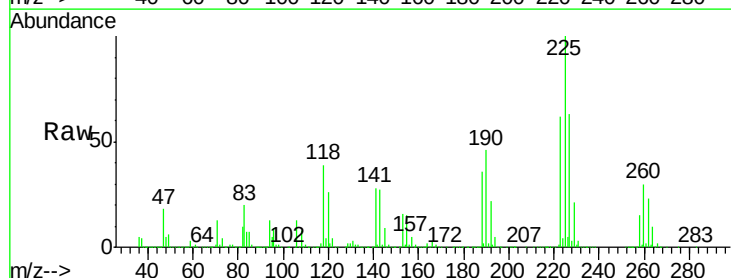
Manual Integrations
 APPROVED

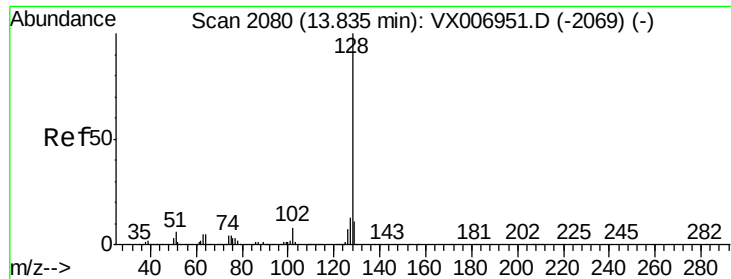
MMDadoda
 1/9/2019 10:25:14 AM



#94
 Hexachlorobutadiene
 Concen: 147.930 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX006953.D
 Acq: 08 Jan 2019 13:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	32.1	96.3
227	64.0	32.3	96.8





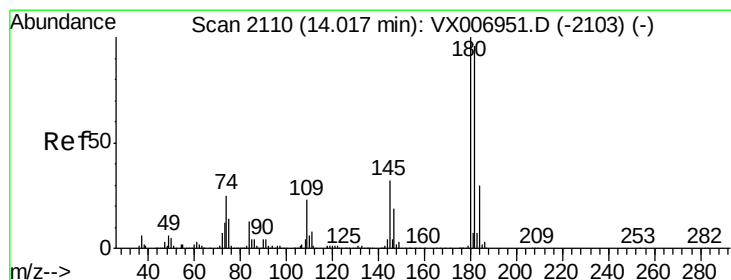
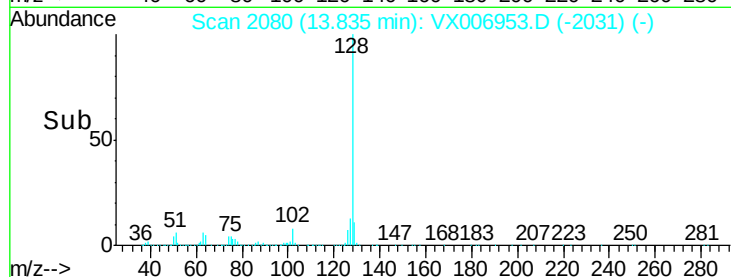
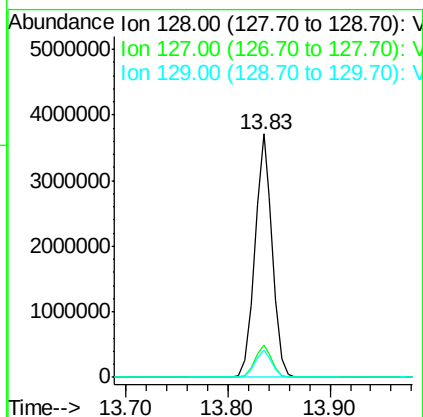
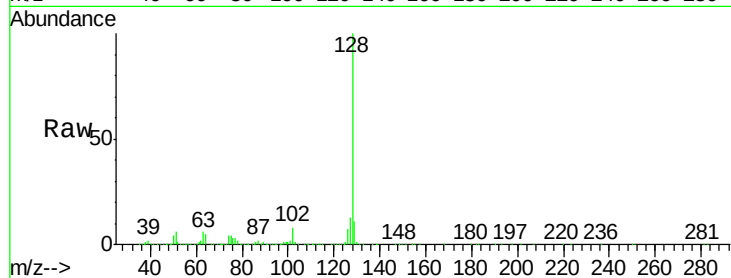
#95
Naphthalene
Concen: 147.902 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/9/2019 10:25:14 AM



#96
1,2,3-Trichlorobenzene
Concen: 148.632 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX006953.D
Acq: 08 Jan 2019 13:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.5	145.5
145	30.5	16.0	47.9

