

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041519\
 Data File : VX008955.D
 Acq On : 15 Apr 2019 11:55
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 10:53:07 AM

Quant Time: Apr 16 02:11:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 01:38:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	206251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	334017	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	292046	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	151053	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	426276	144.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.60%	
35) Dibromofluoromethane	5.50	113	320341	151.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.02%	
50) Toluene-d8	8.72	98	1246150	147.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.00%	
62) 4-Bromofluorobenzene	11.14	95	455696	152.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	392451	164.699	ug/l	99
3) Chloromethane	1.32	50	452635	139.776	ug/l	98
4) Vinyl Chloride	1.41	62	444825	141.548	ug/l	98
5) Bromomethane	1.64	94	292899	168.814	ug/l	99
6) Chloroethane	1.70	64	263782	126.279	ug/l	95
7) Trichlorofluoromethane	1.92	101	500701	143.411	ug/l	99
8) Diethyl Ether	2.19	74	231466	140.864	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	324044	144.911	ug/l	99
10) Methyl Iodide	2.50	142	375631	197.682	ug/l	99
11) Tert butyl alcohol	3.08	59	504139	733.952	ug/l	99
12) 1,1-Dichloroethene	2.36	96	335050	143.129	ug/l	100
13) Acrolein	2.29	56	442482	1124.182	ug/l	100
14) Allyl chloride	2.72	41	765106	143.291	ug/l	99
15) Acrylonitrile	3.15	53	1221450	672.103	ug/l	100
16) Acetone	2.45	43	1061271	633.507	ug/l	98
17) Carbon Disulfide	2.56	76	1011140	134.565	ug/l	100
18) Methyl Acetate	2.78	43	548524	133.810	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	1221772	146.611	ug/l	100
20) Methylene Chloride	2.85	84	370432	130.952	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	359083	141.657	ug/l	98
22) Diisopropyl ether	3.86	45	1426342	138.898	ug/l	90
23) Vinyl Acetate	3.82	43	6539577	730.749	ug/l	100
24) 1,1-Dichloroethane	3.70	63	727279	143.138	ug/l	100
25) 2-Butanone	4.68	43	1794080	674.275	ug/l	98
26) 2,2-Dichloropropane	4.58	77	555033	153.882	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	413135	142.321	ug/l	100
28) Bromochloromethane	5.02	49	281399	117.635	ug/l	99
29) Tetrahydrofuran	5.13	42	1199207	676.623	ug/l	100
30) Chloroform	5.21	83	648551	142.635	ug/l	100
31) Cyclohexane	5.58	56	718489	141.031	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	558340	151.587	ug/l	99
36) 1,1-Dichloropropene	5.80	75	527706	146.925	ug/l	99
37) Ethyl Acetate	4.84	43	692023	144.918	ug/l	100
38) Carbon Tetrachloride	5.79	117	473169	158.848	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	659625	148.486	ug/l	98
40) Benzene	6.14	78	1558976	145.718	ug/l	99
41) Methacrylonitrile	5.05	41	393646	142.958	ug/l	100
42) 1,2-Dichloroethane	6.19	62	551070	143.749	ug/l	99
43) Isopropyl Acetate	6.45	43	1110936	148.204	ug/l	100
44) Trichloroethene	7.21	130	379814	151.645	ug/l	99
45) 1,2-Dichloropropane	7.51	63	437556	143.799	ug/l	99
46) Dibromomethane	7.66	93	252438	142.543	ug/l	99
47) Bromodichloromethane	7.90	83	516852	154.789	ug/l	100
48) Methyl methacrylate	7.77	41	548884	145.108	ug/l	99
49) 1,4-Dioxane	7.74	88	200663	2851.713	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	3406775	707.340	ug/l	99
52) Toluene	8.79	92	913078	144.806	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	608949	162.094	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	665708	155.546	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	359306	141.859	ug/l	99
56) Ethyl methacrylate	9.18	69	678408	148.531	ug/l	100
57) 1,3-Dichloropropane	9.37	76	639934	141.015	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1763872	749.061	ug/l	100
59) 2-Hexanone	9.49	43	2676646	714.739	ug/l	99
60) Dibromochloromethane	9.59	129	379151	158.538	ug/l	99
61) 1,2-Dibromoethane	9.67	107	375138	142.305	ug/l	99
64) Tetrachloroethene	9.34	164	325681	151.165	ug/l	98
65) Chlorobenzene	10.14	112	929540	146.103	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	344590	154.441	ug/l	99
67) Ethyl Benzene	10.25	91	1737869	146.896	ug/l	99
68) m/p-Xylenes	10.36	106	1273112	298.863	ug/l	100
69) o-Xylene	10.70	106	615858	149.140	ug/l	100
70) Styrene	10.71	104	1092320	153.442	ug/l	99
71) Bromoform	10.86	173	297319	173.601	ug/l #	98
73) Isopropylbenzene	11.02	105	1633685	133.592	ug/l	100
74) N-amyl acetate	10.90	43	1015198	141.199	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	604316	130.286	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	493822m	121.886	ug/l	
77) Bromobenzene	11.26	156	408488	138.171	ug/l	99
78) n-propylbenzene	11.36	91	1939782	136.302	ug/l	99
79) 2-Chlorotoluene	11.42	91	1135827	131.947	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1415106	138.078	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	233469	157.539	ug/l	98
82) 4-Chlorotoluene	11.51	91	1347693	135.183	ug/l	99
83) tert-Butylbenzene	11.77	119	1384524	140.259	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1435705	138.282	ug/l	99
85) sec-Butylbenzene	11.94	105	1629972	138.996	ug/l	99
86) p-Isopropyltoluene	12.07	119	1505834	142.628	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	745092	140.850	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	748286	139.470	ug/l	99
89) n-Butylbenzene	12.39	91	1450017	146.602	ug/l	100
90) Hexachloroethane	12.60	117	264780	151.062	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	748262	142.482	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	147179	143.819	ug/l	99

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VSTDICC150

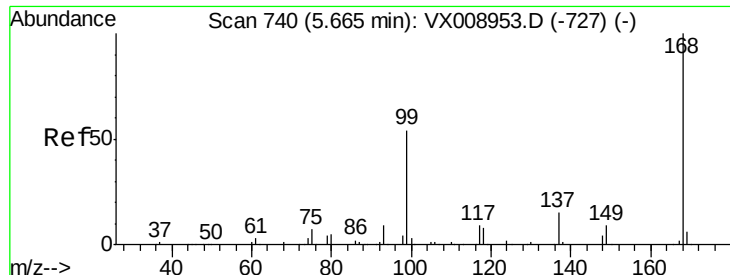
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	553609	150.335	ug/l	100
94) Hexachlorobutadiene	13.78	225	270262	153.130	ug/l	100
95) Naphthalene	13.83	128	1779305	145.904	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	545247	148.500	ug/l	100

(#) = 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: VX008955.D

Acq: 15 Apr 2019 11:55

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion:168 Resp: 206251

Ion Ratio Lower Upper

168 100

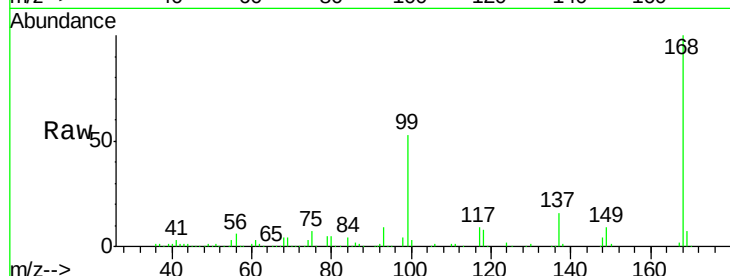
99 52.9 43.0 64.6

Manual Integrations

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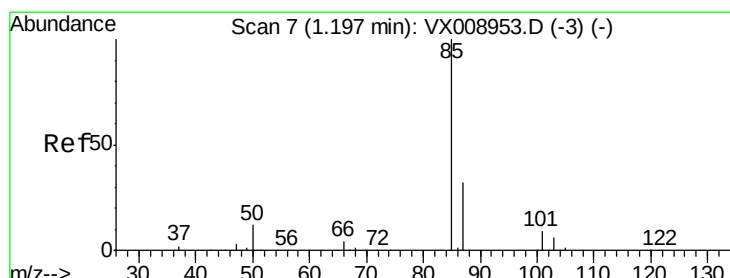
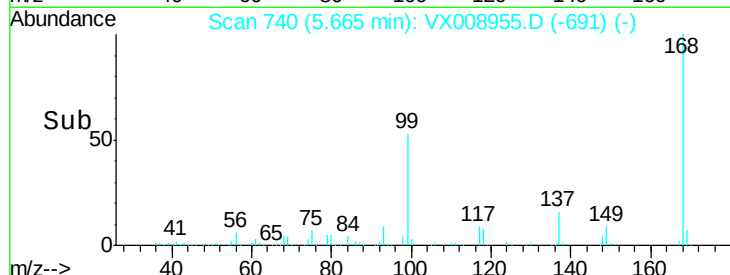
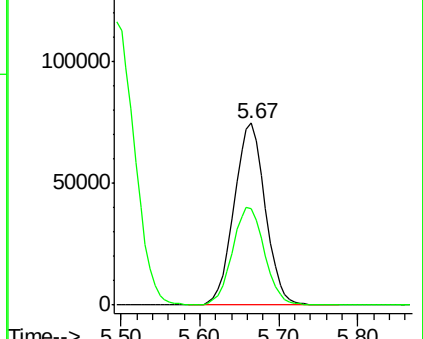
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 164.699 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008955.D

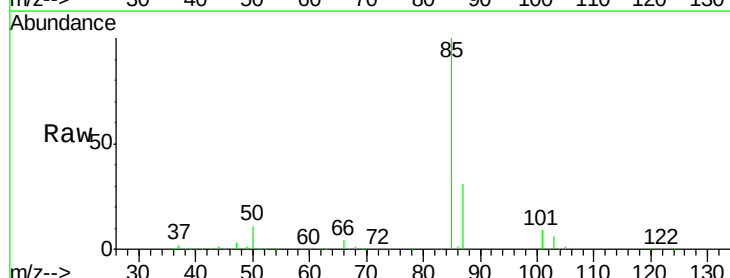
Acq: 15 Apr 2019 11:55

Tgt Ion: 85 Resp: 392451

Ion Ratio Lower Upper

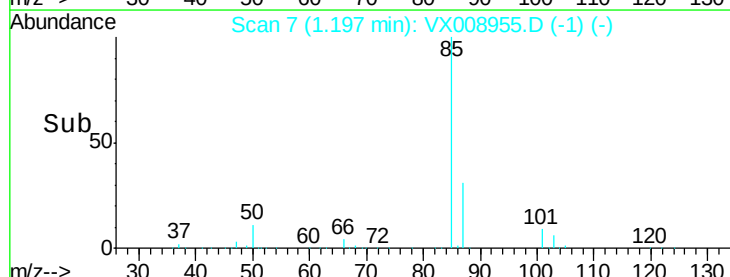
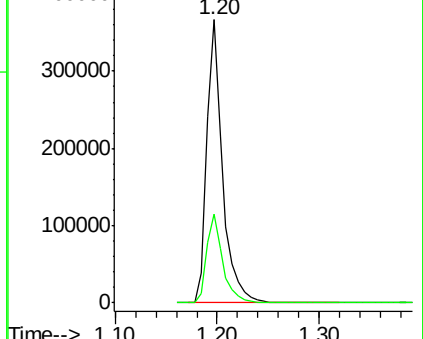
85 100

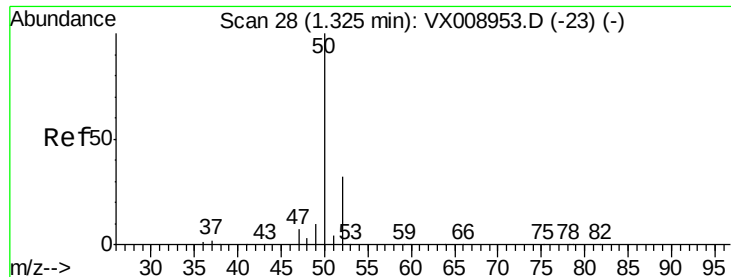
87 31.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





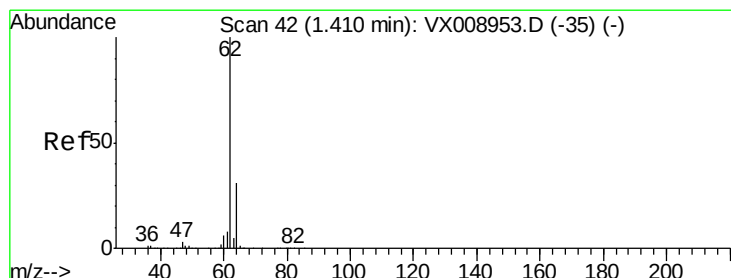
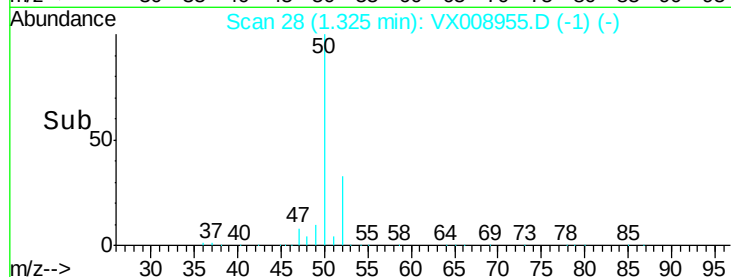
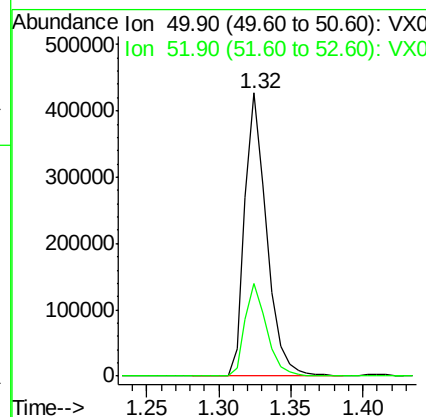
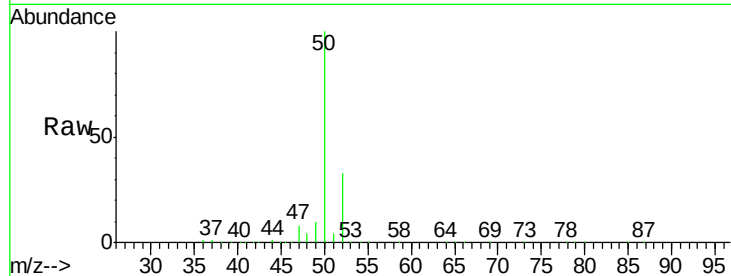
#3
Chloromethane
Concen: 139.776 ug/l
RT: 1.32 min Scan# 28
Delta R.T. -0.00 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Instrument :
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ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.8	25.5	38.3

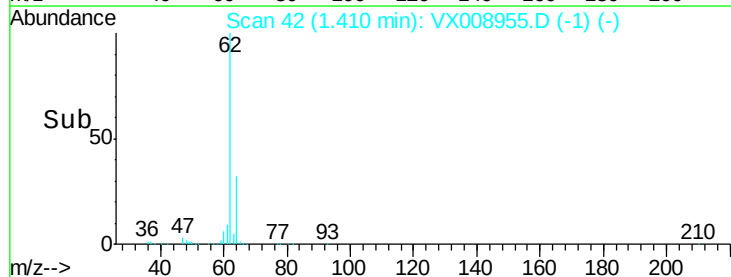
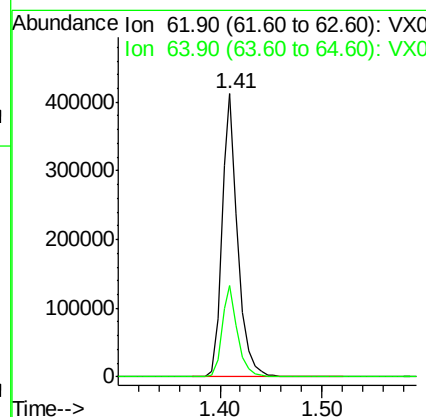
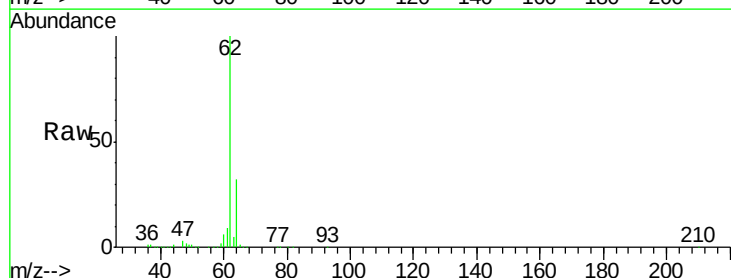
Manual Integrations
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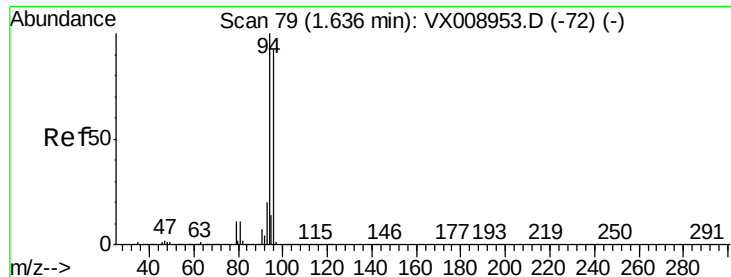
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#4
Vinyl Chloride
Concen: 141.548 ug/l
RT: 1.41 min Scan# 42
Delta R.T. -0.00 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.0	37.4





#5

Bromomethane

Concen: 168.814 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 292899

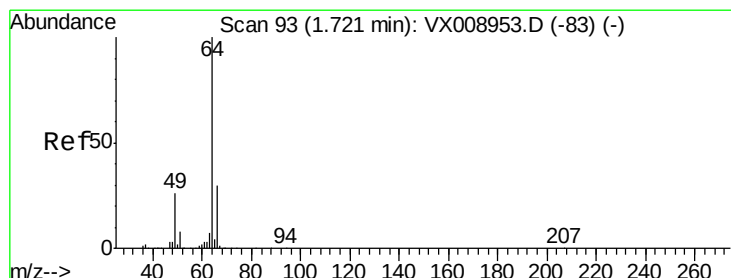
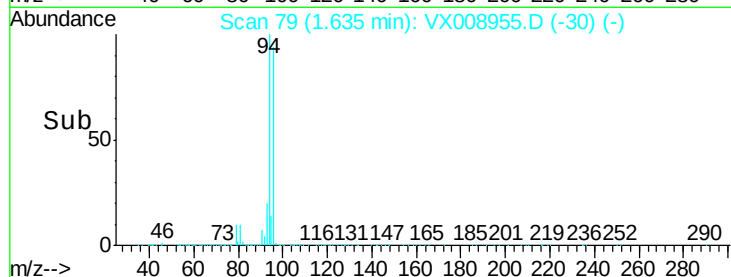
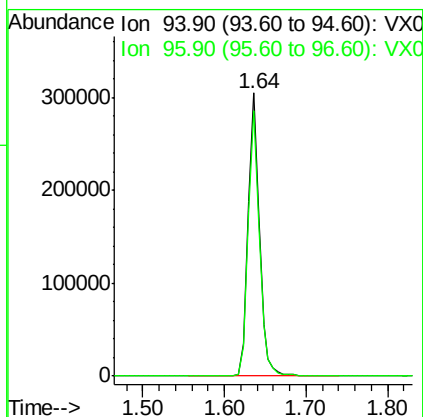
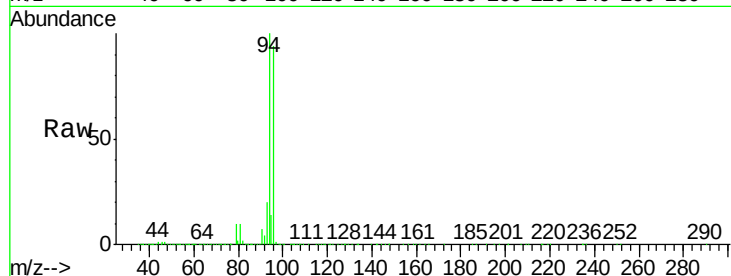
Ion Ratio Lower Upper

94 100

96 93.7 73.9 110.9

Manual Integrations
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#6

Chloroethane

Concen: 126.279 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.02 min

Lab File: VX008955.D

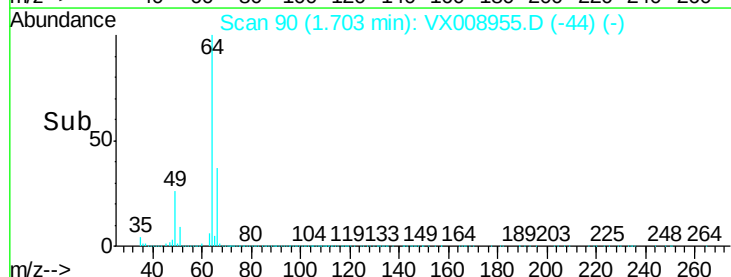
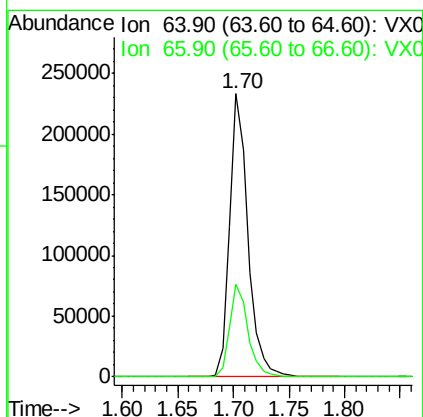
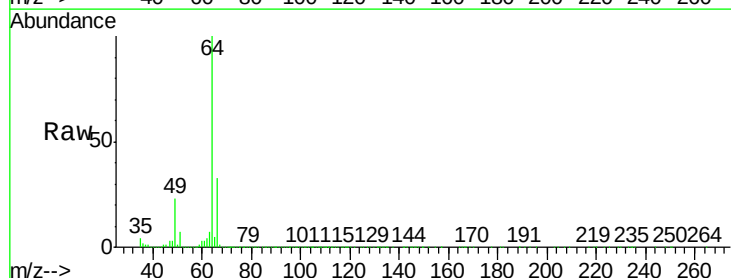
Acq: 15 Apr 2019 11:55

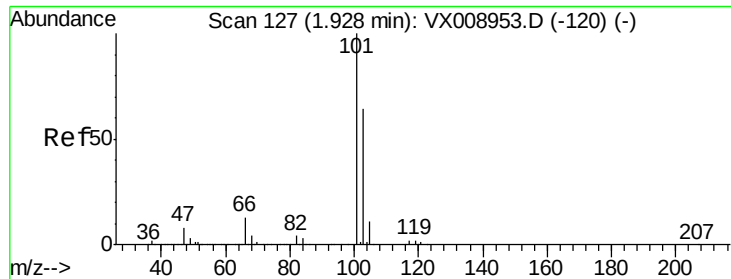
Tgt Ion: 64 Resp: 263782

Ion Ratio Lower Upper

64 100

66 32.8 24.2 36.2





#7

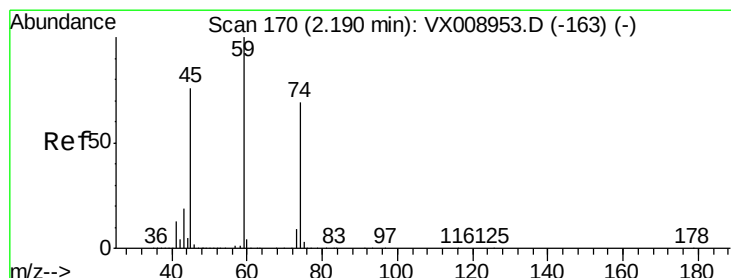
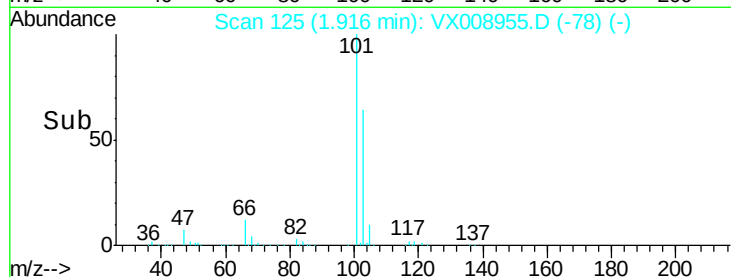
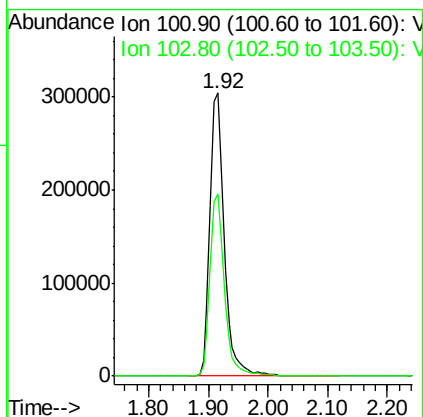
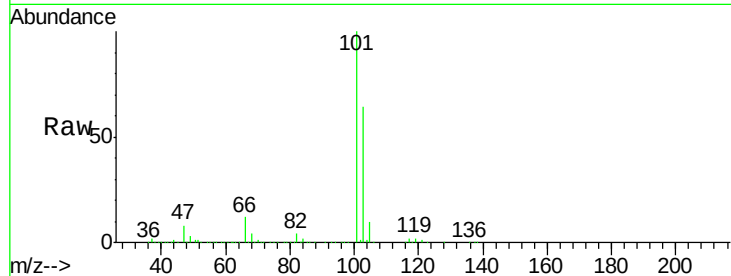
Trichlorofluoromethane
 Concen: 143.411 ug/l
 RT: 1.92 min Scan# 125
 Delta R.T. -0.01 min
 Lab File: VX008955.D
 Acq: 15 Apr 2019 11:55

Instrument :
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 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	500701		
103	64.4	51.0	76.6	

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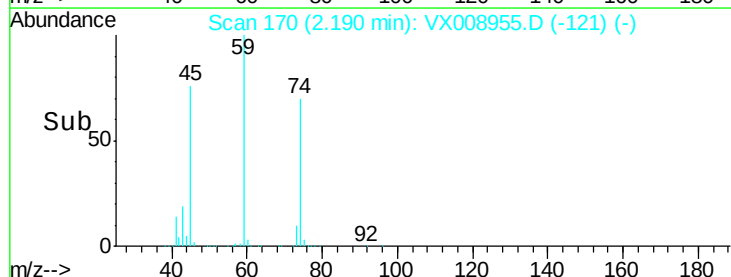
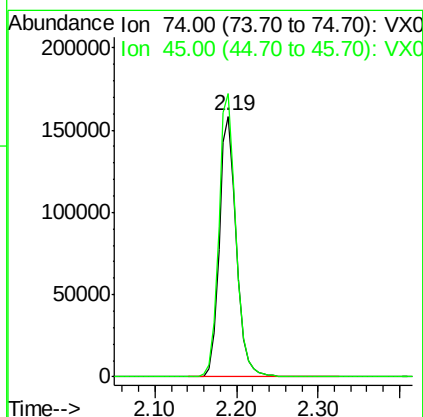
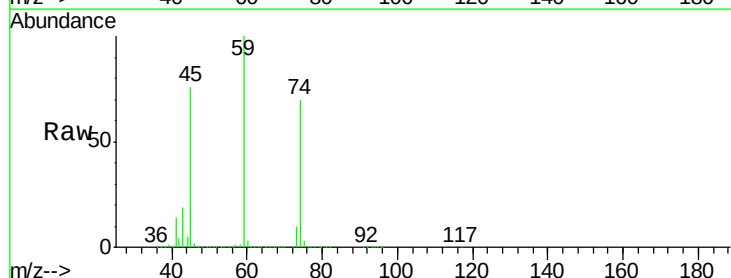
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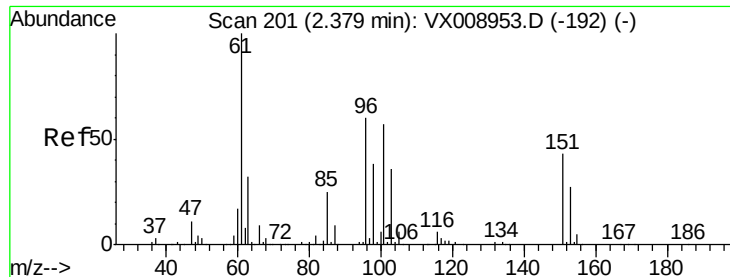


#8

Diethyl Ether
 Concen: 140.864 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX008955.D
 Acq: 15 Apr 2019 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	231466		
45	109.1	54.9	164.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 144.911 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

Instrument :

MSVOA_X

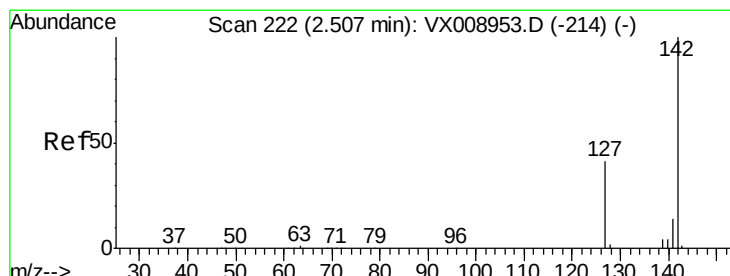
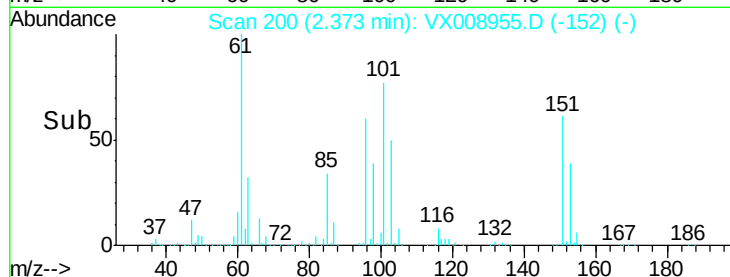
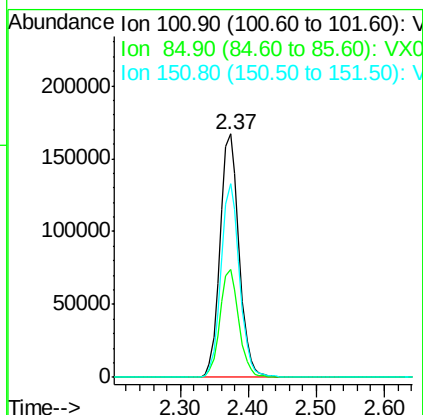
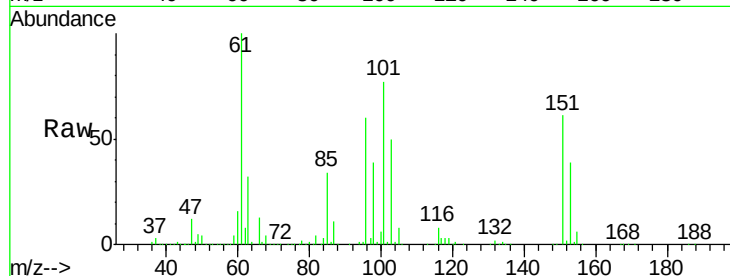
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	324044
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.7	53.5
151	77.8	62.7	94.1

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#10

Methyl Iodide

Concen: 197.682 ug/l

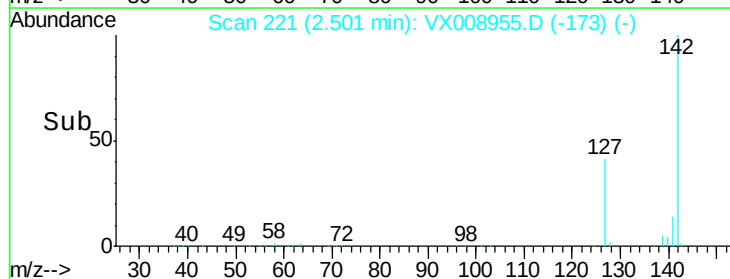
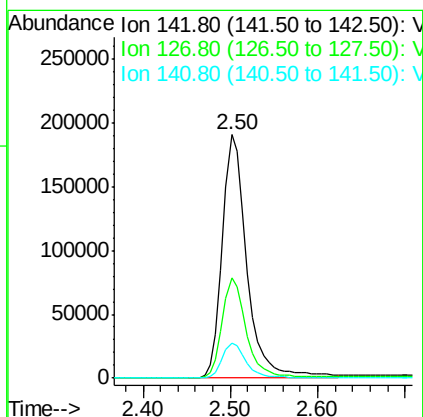
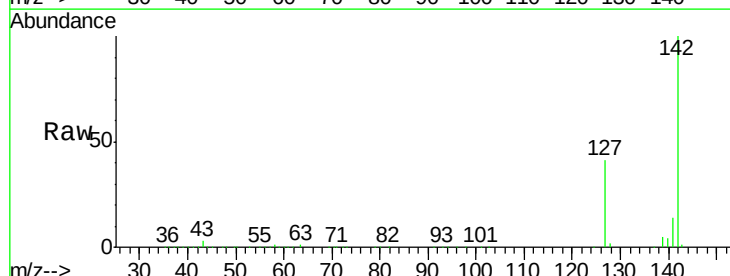
RT: 2.50 min Scan# 221

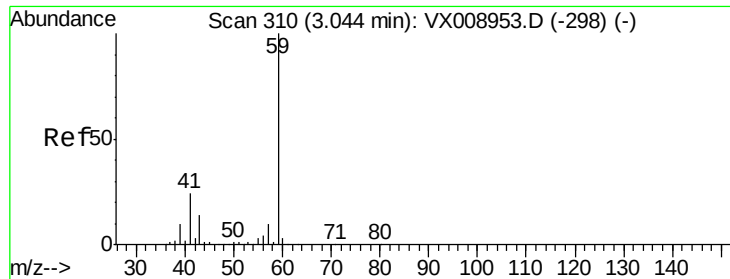
Delta R.T. -0.01 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

Tgt Ion:	142	Resp:	375631
Ion Ratio	Lower	Upper	
142	100		
127	40.4	32.8	49.2
141	14.3	11.4	17.2





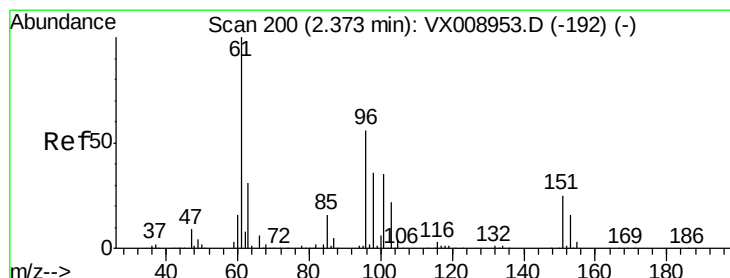
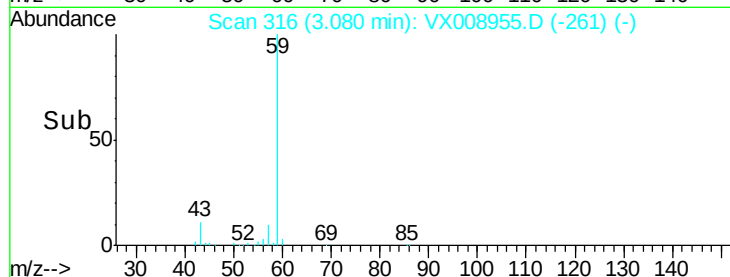
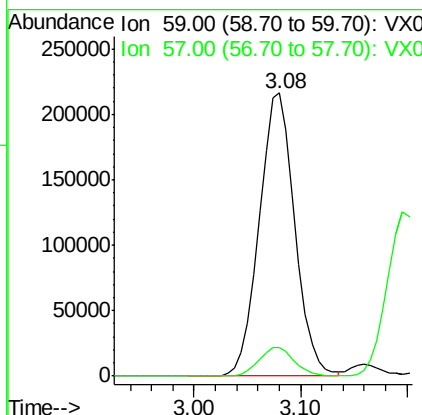
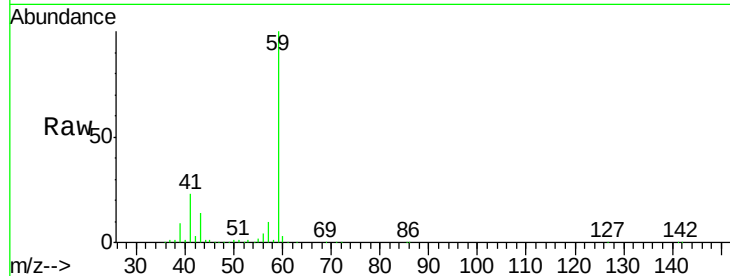
#11
Tert butyl alcohol
Concen: 733.952 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.04 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	59	Resp	504139
Ion Ratio	100	Lower	Upper
57	10.2	8.4	12.6

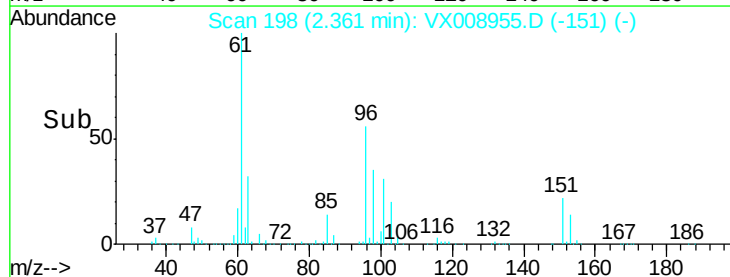
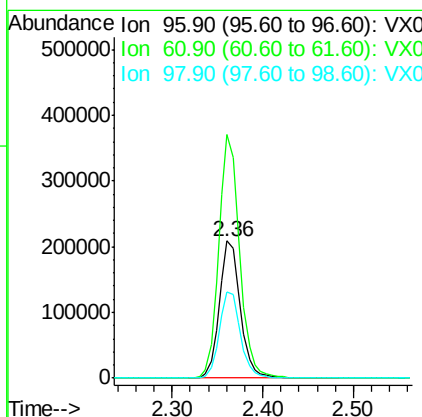
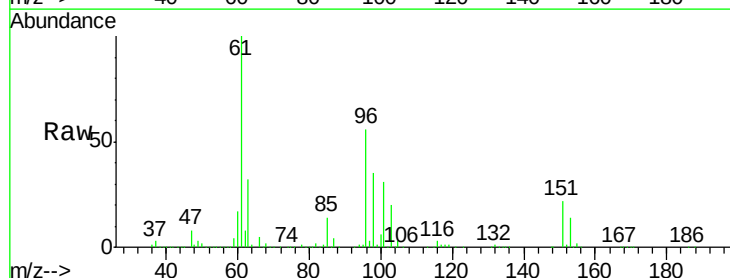
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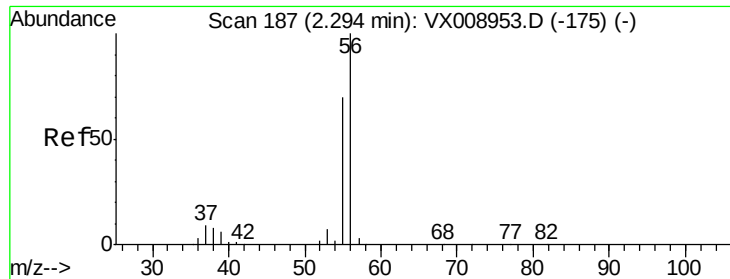
MMDadoda
4/16/2019 10:53:07 AM



#12
1,1-Dichloroethene
Concen: 143.129 ug/l
RT: 2.36 min Scan# 198
Delta R.T. -0.01 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Tgt Ion	96	Resp	335050
Ion Ratio	100	Lower	Upper
61	177.6	142.2	213.2
98	63.0	50.9	76.3





#13

Acrolein

Concen: 1124.182 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 442482

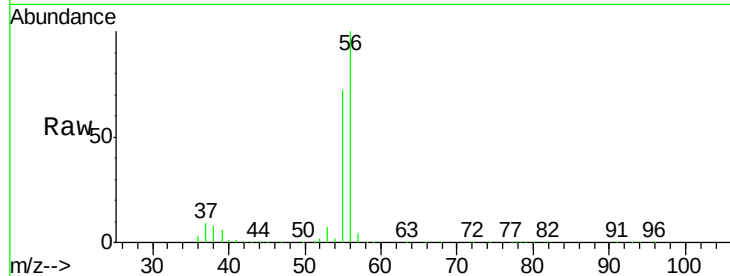
Ion Ratio Lower Upper

56 100

55 70.8 56.6 84.8

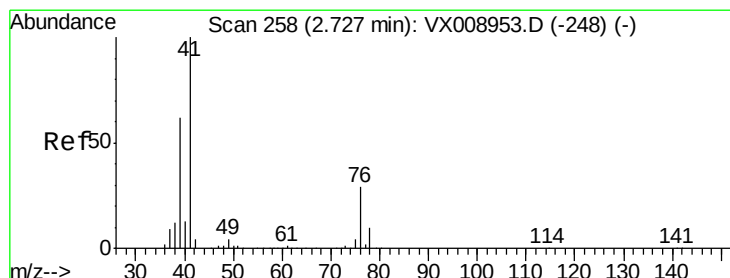
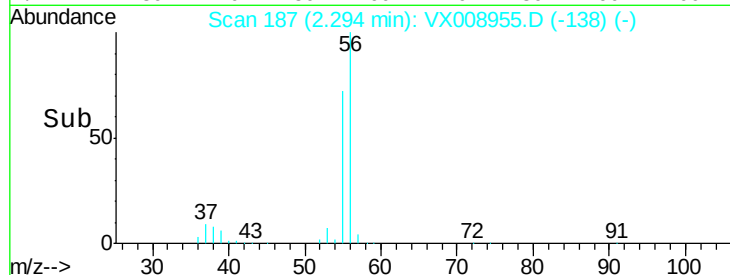
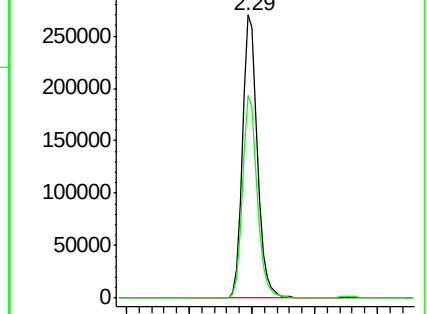
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 143.291 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

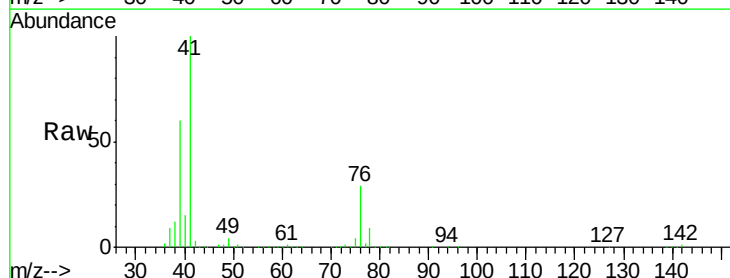
Tgt Ion: 41 Resp: 765106

Ion Ratio Lower Upper

41 100

39 58.2 46.7 70.1

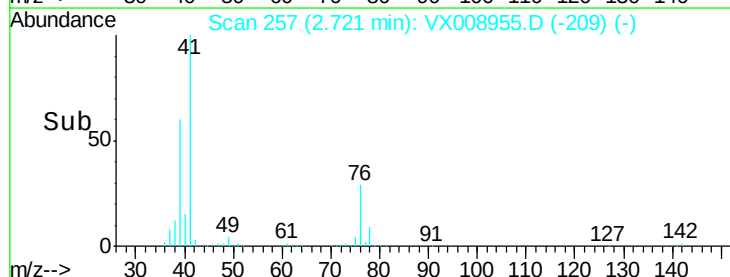
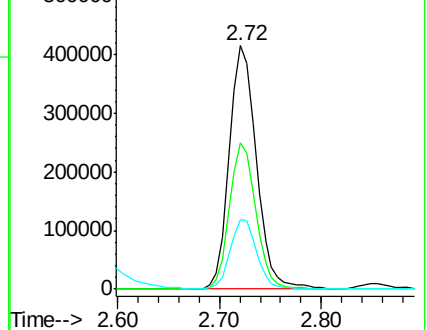
76 28.1 22.0 33.0

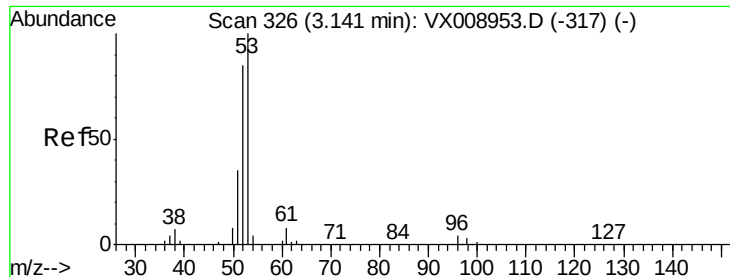


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 672.103 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1221450

Ion Ratio Lower Upper

53 100

52 82.9 66.6 100.0

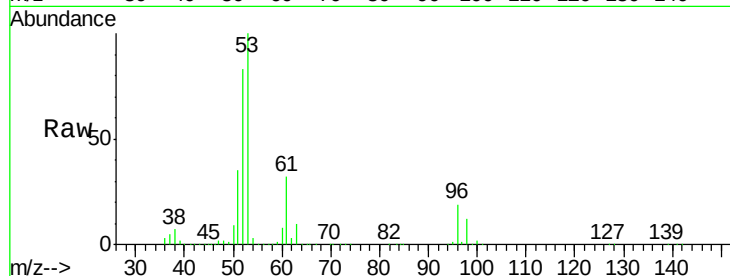
51 35.5 28.3 42.5

Manual Integrations

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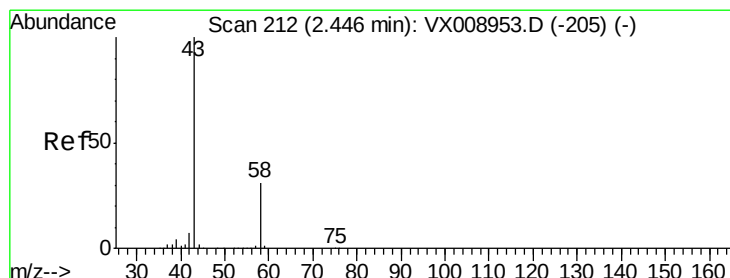
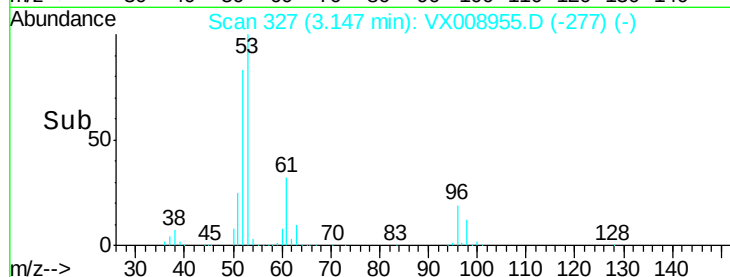
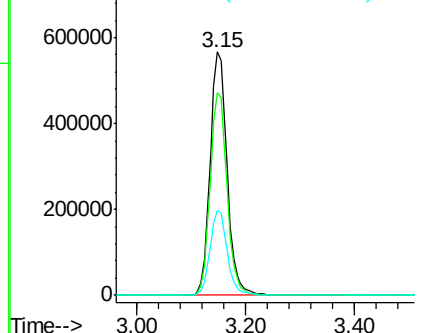
4/16/2019 10:53:07 AM



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 633.507 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX008955.D

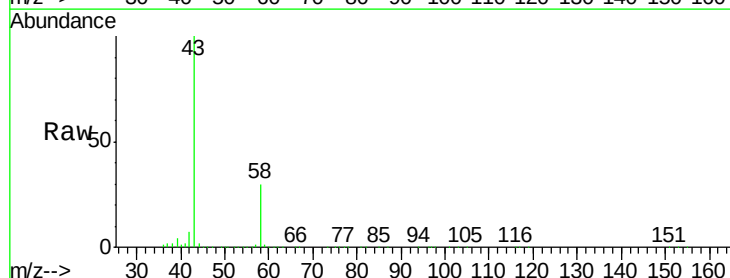
Acq: 15 Apr 2019 11:55

Tgt Ion: 43 Resp: 1061271

Ion Ratio Lower Upper

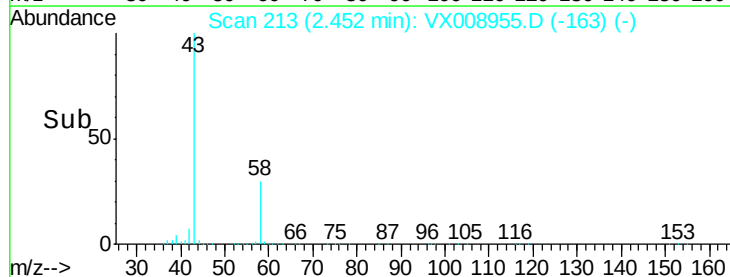
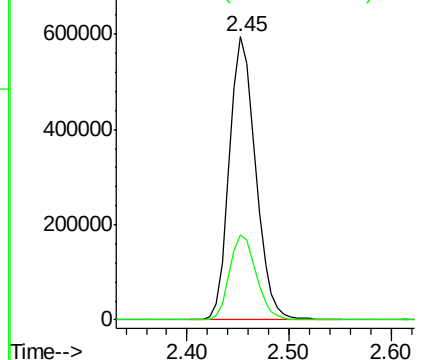
43 100

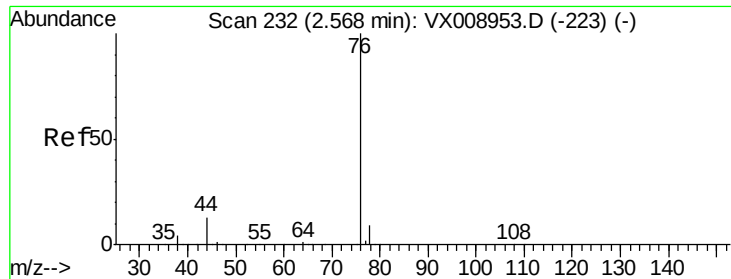
58 30.1 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 134.565 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1011140

Ion Ratio Lower Upper

76 100

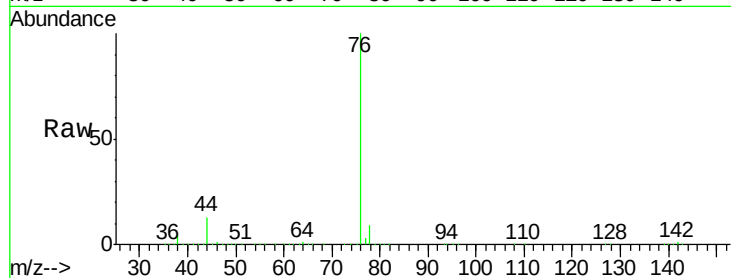
78 9.1 7.2 10.8

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

600000

500000

400000

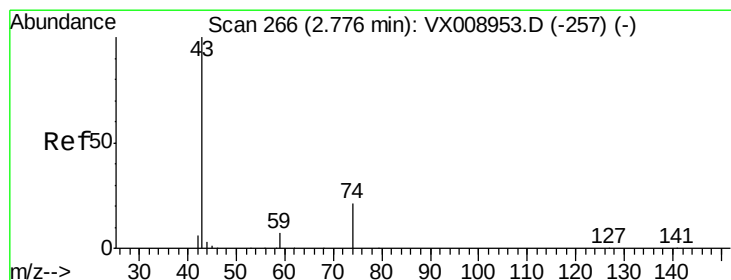
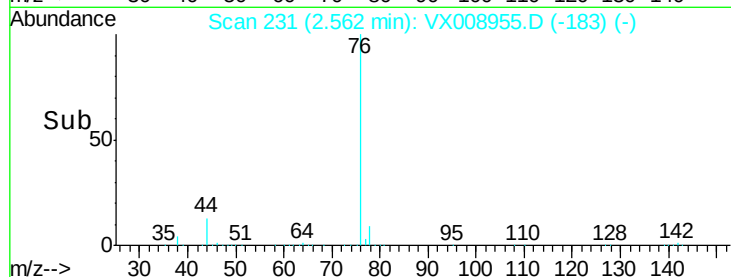
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 133.810 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX008955.D

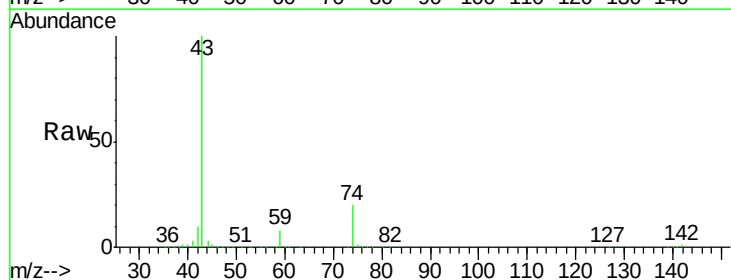
Acq: 15 Apr 2019 11:55

Tgt Ion: 43 Resp: 548524

Ion Ratio Lower Upper

43 100

74 20.0 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

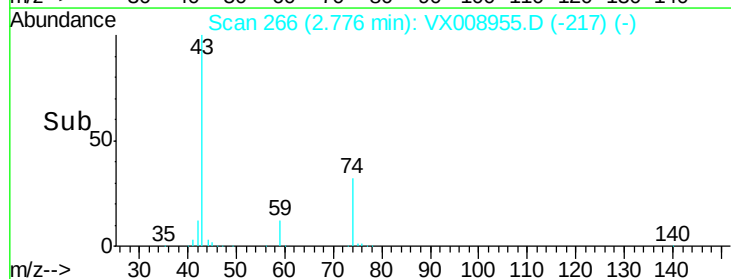
300000

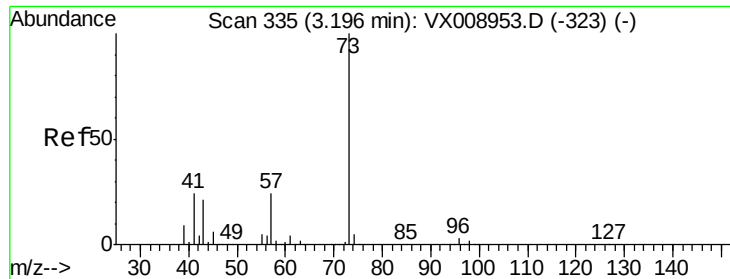
200000

100000

0

Time-->





#19

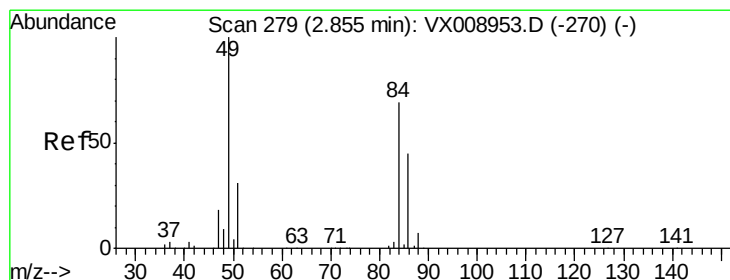
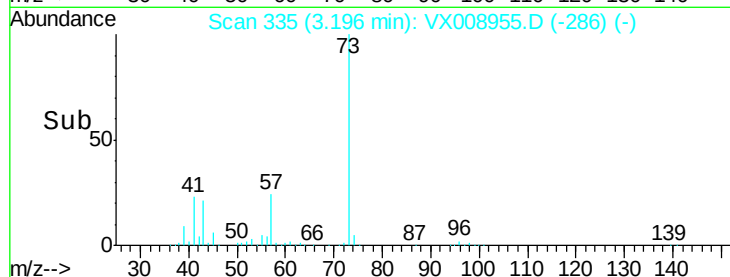
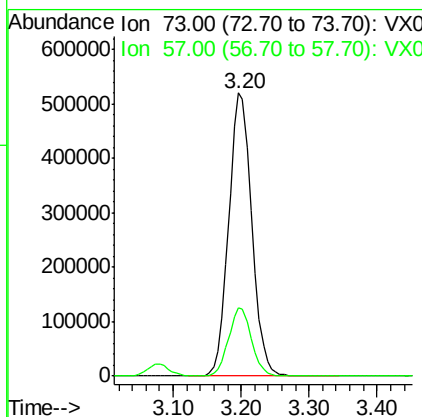
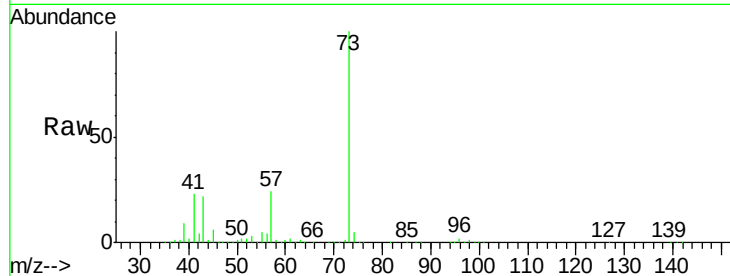
Methyl tert-butyl Ether
 Concen: 146.611 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX008955.D
 Acq: 15 Apr 2019 11:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 73 Resp: 1221772
 Ion Ratio Lower Upper
 73 100
 57 24.1 19.2 28.8

Manual Integrations
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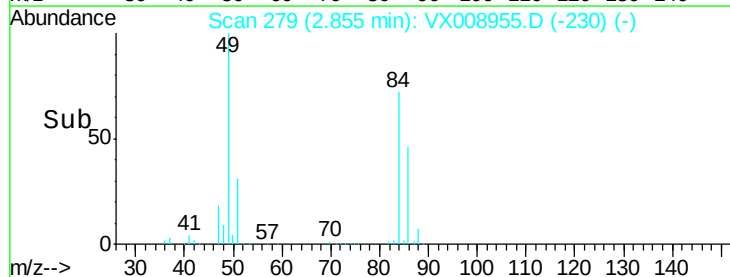
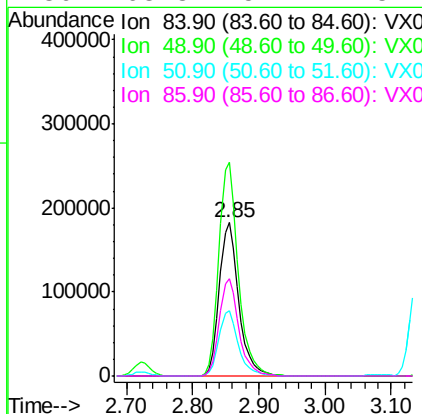
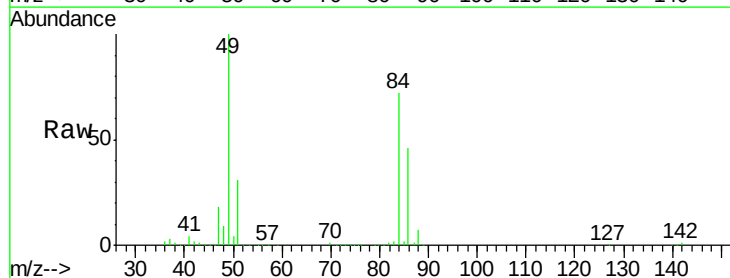
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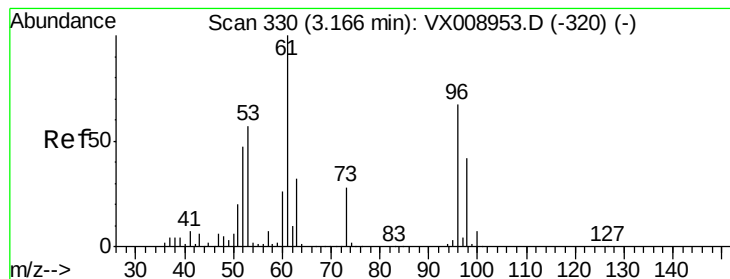


#20

Methylene Chloride
 Concen: 130.952 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX008955.D
 Acq: 15 Apr 2019 11:55

Tgt Ion: 84 Resp: 370432
 Ion Ratio Lower Upper
 84 100
 49 139.3 115.4 173.0
 51 42.7 35.8 53.6
 86 63.8 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 141.657 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 359083

Ion Ratio Lower Upper

96 100

61 153.6 120.3 180.5

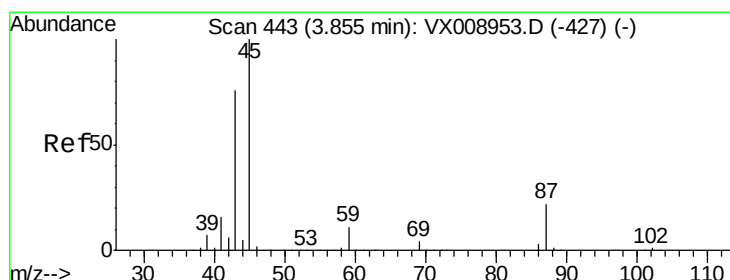
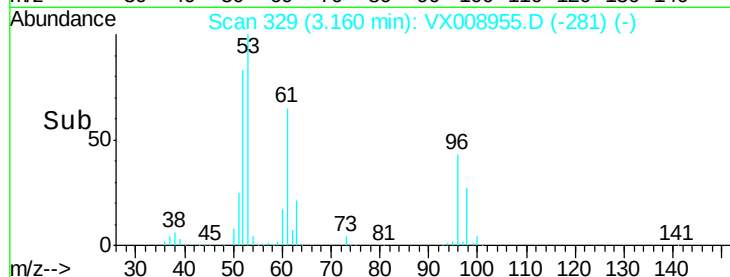
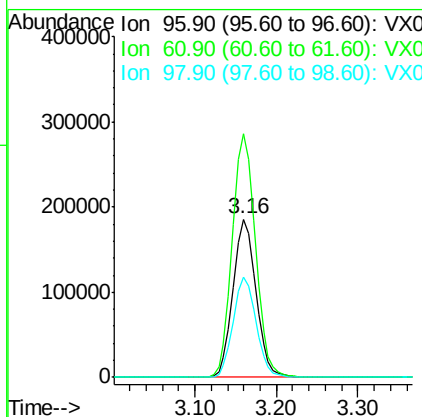
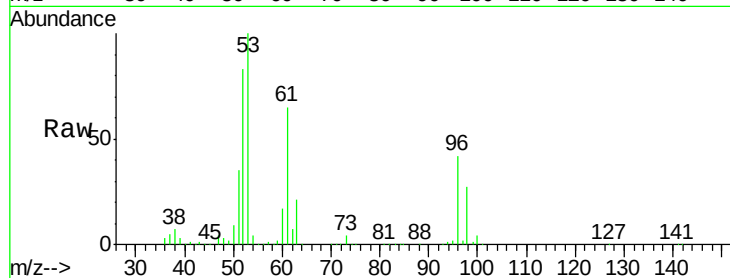
98 63.1 50.2 75.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 138.898 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

Tgt Ion: 45 Resp: 1426342

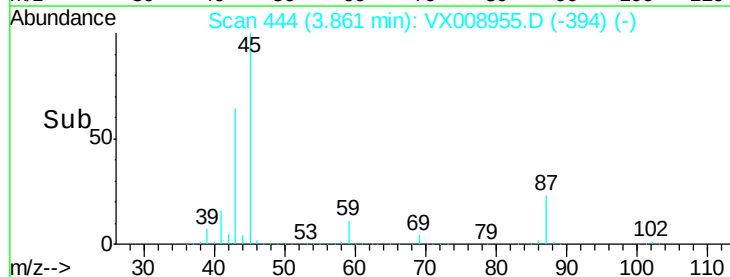
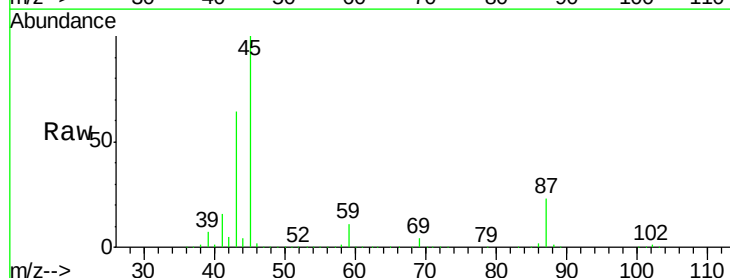
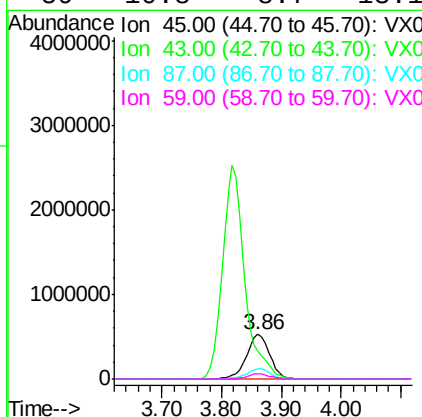
Ion Ratio Lower Upper

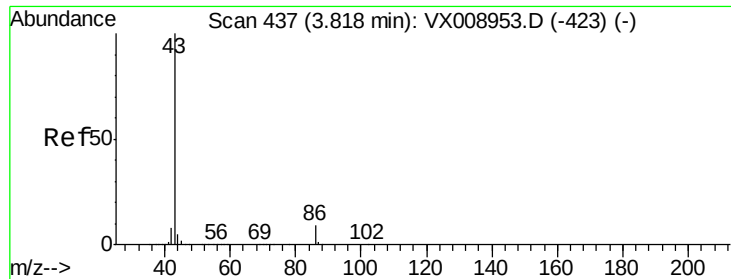
45 100

43 63.5 60.6 91.0

87 22.9 17.8 26.8

59 10.8 8.7 13.1





#23

Vinyl Acetate

Concen: 730.749 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 43 Resp: 6539577

Ion Ratio Lower Upper

43 100

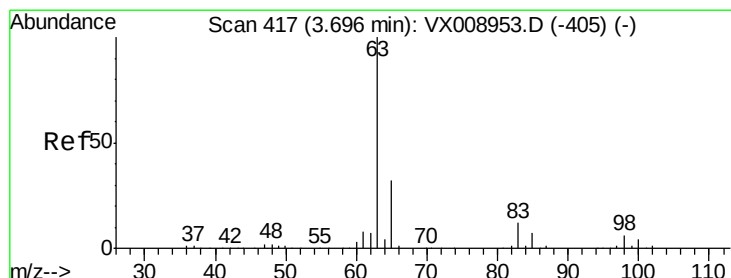
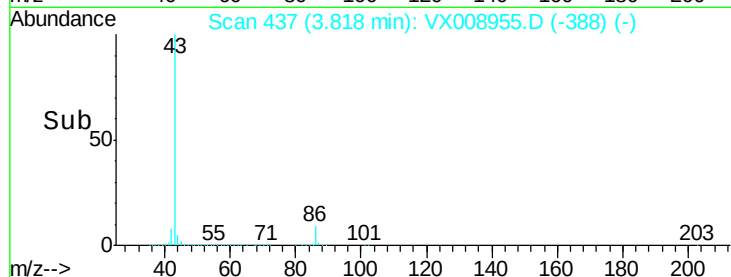
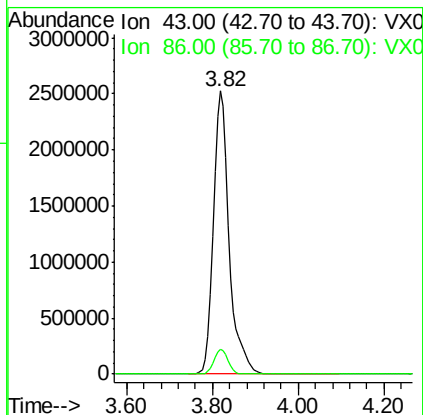
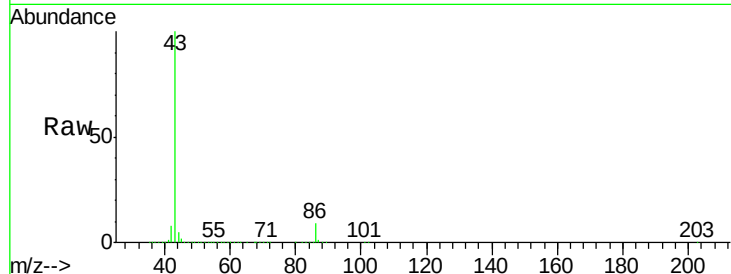
86 8.8 7.1 10.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 143.138 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

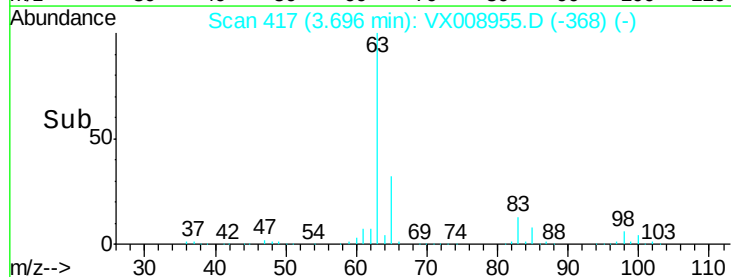
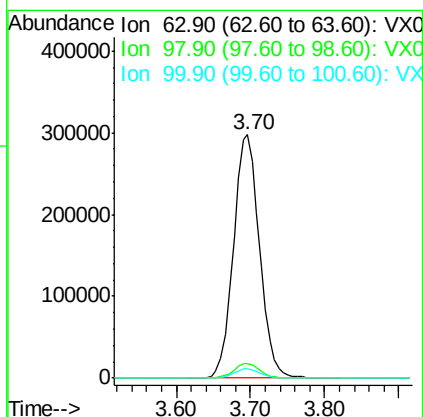
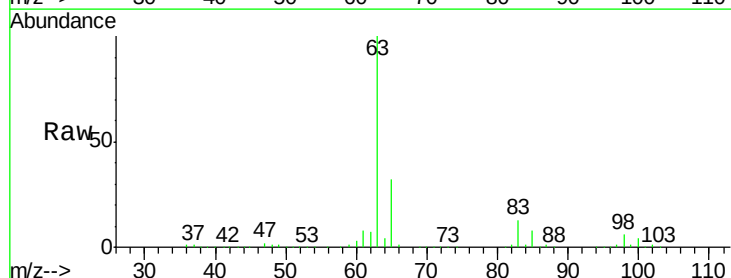
Tgt Ion: 63 Resp: 727279

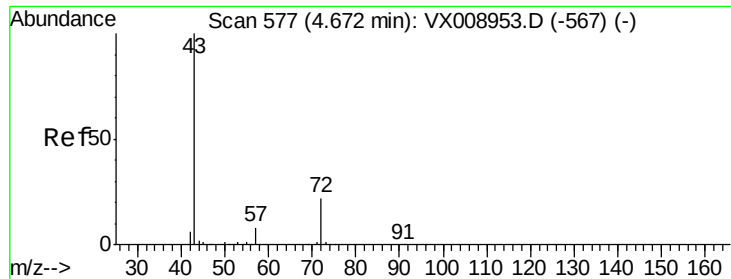
Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.3

100 3.9 1.9 5.7





#25

2-Butanone

Concen: 674.275 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

Tot Ion: 43 Resp: 1794080

Ion Ratio Lower Upper

43 100

72 22.9 17.5 26.3

Instrument :

MSVOA_X

ClientSampleId :

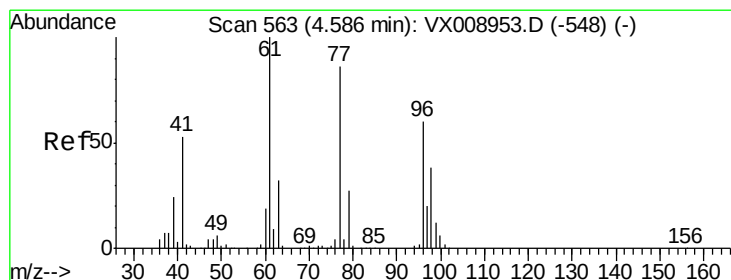
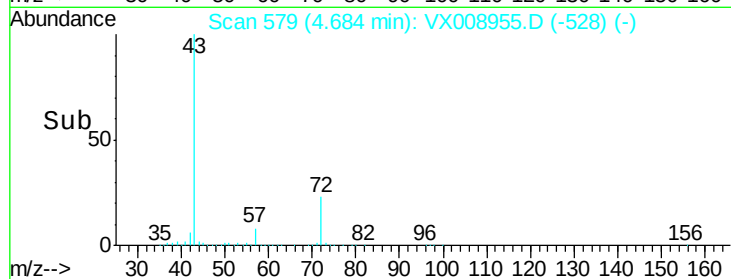
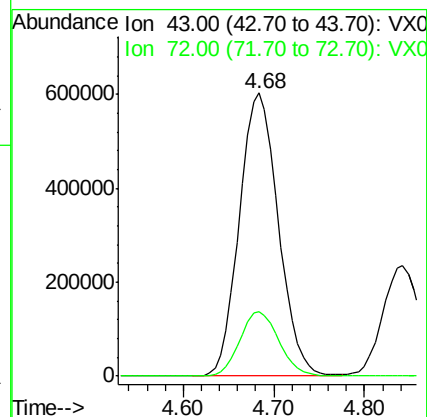
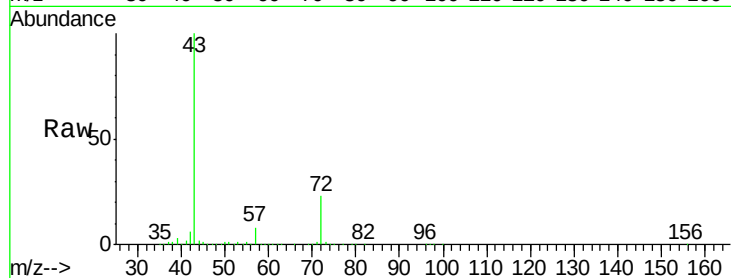
VSTDIC150

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 153.882 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008955.D

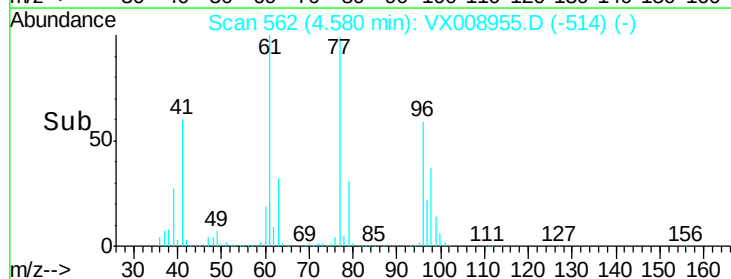
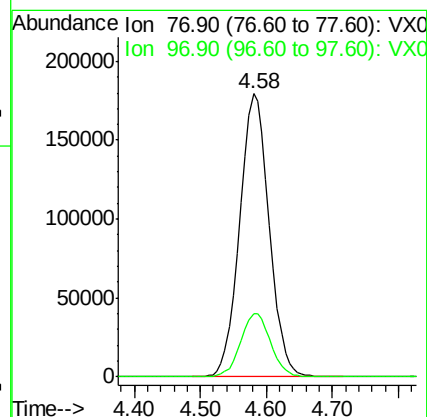
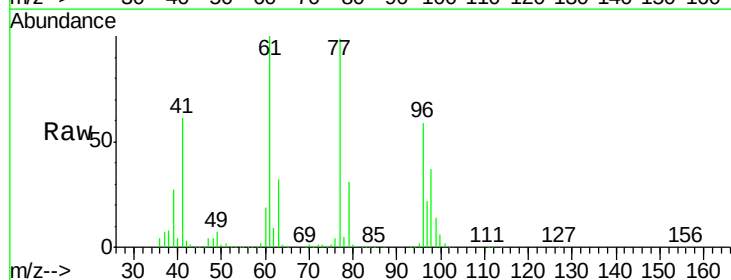
Acq: 15 Apr 2019 11:55

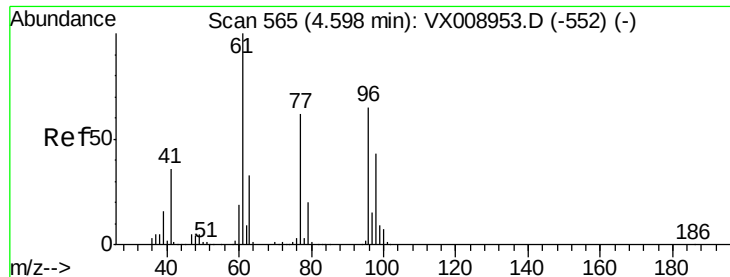
Tgt Ion: 77 Resp: 555033

Ion Ratio Lower Upper

77 100

97 22.8 11.7 35.0





#27

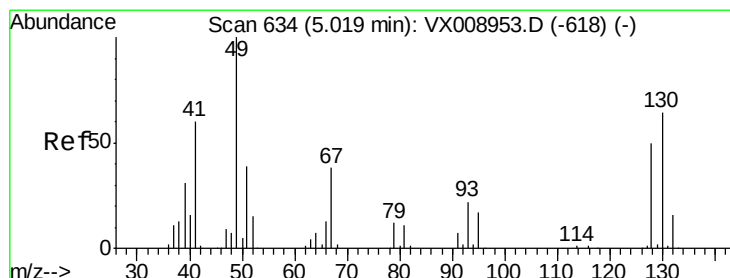
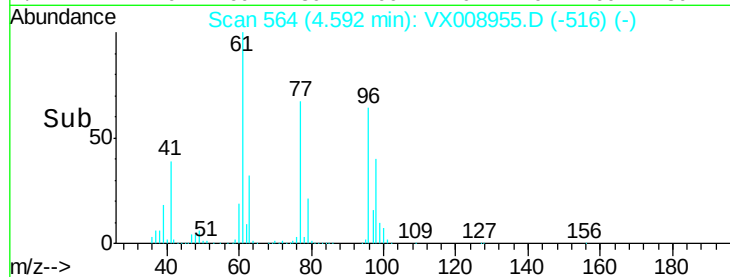
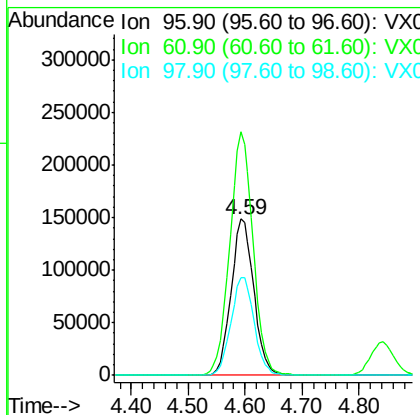
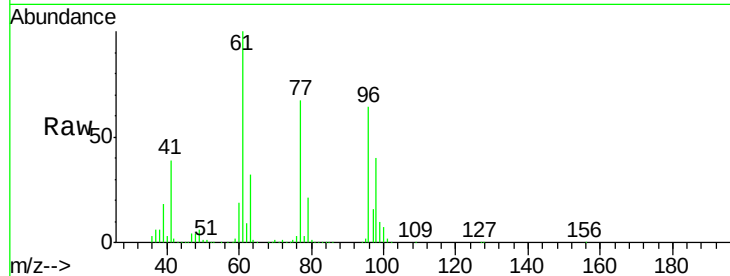
cis-1,2-Dichloroethene
Concen: 142.321 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	413135		
61	160.4	0.0	322.0	
98	64.2	0.0	128.4	

Manual Integrations
APPROVED

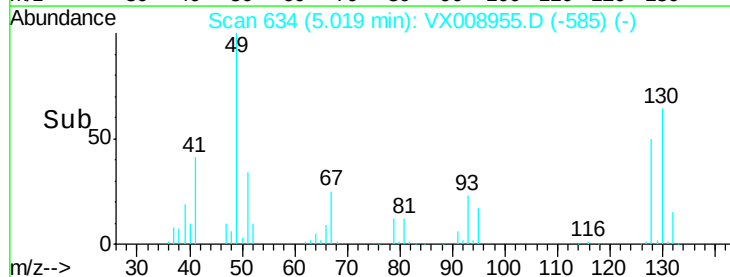
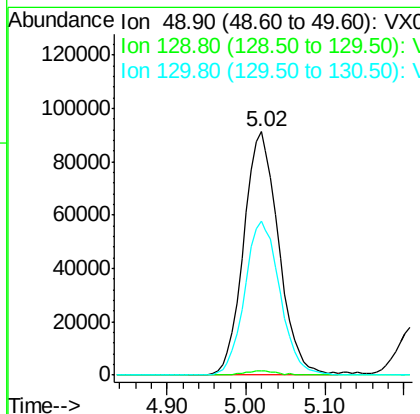
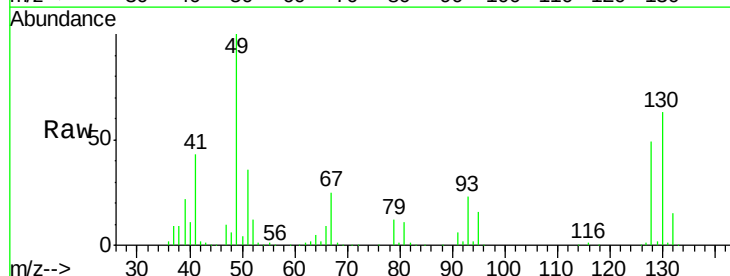
MMDadoda
4/16/2019 10:53:07 AM

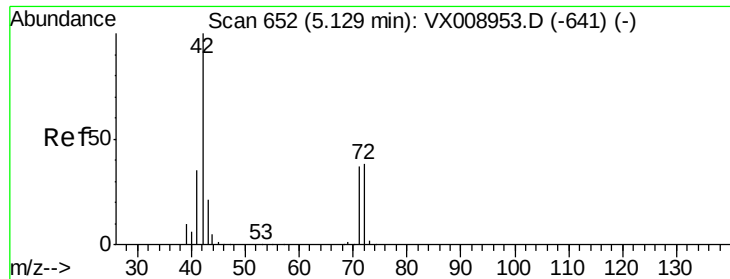


#28

Bromochloromethane
Concen: 117.635 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	281399		
129	1.6	0.0	3.6	
130	63.7	50.4	75.6	





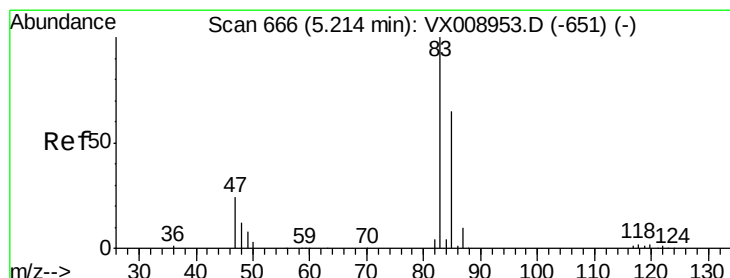
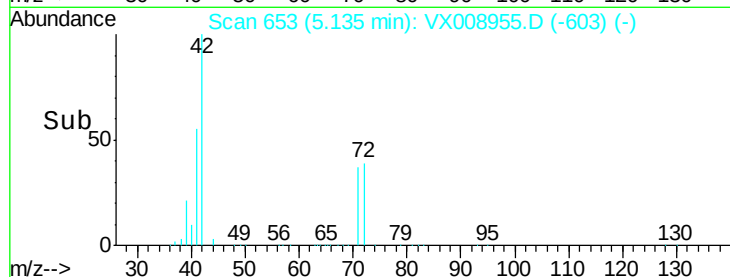
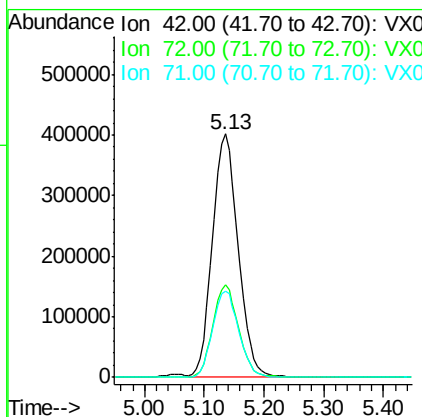
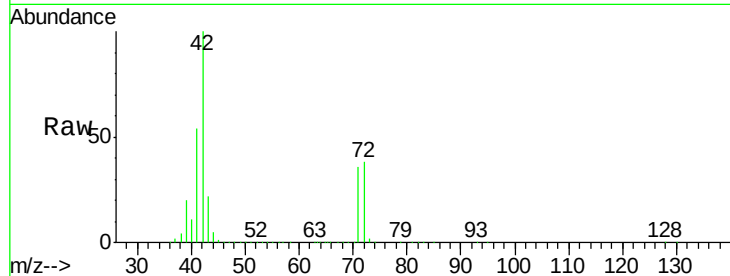
#29
Tetrahydrofuran
Concen: 676.623 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1199207
Ion Ratio Lower Upper
42 100
72 38.2 30.6 45.8
71 36.1 28.8 43.2

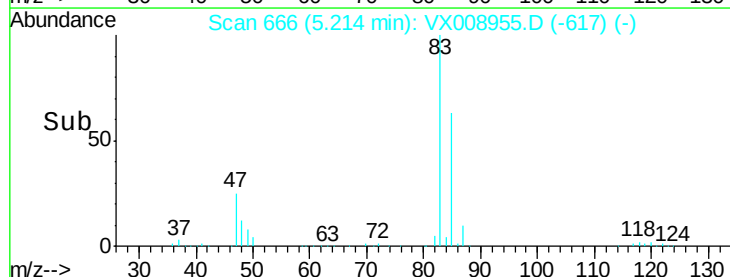
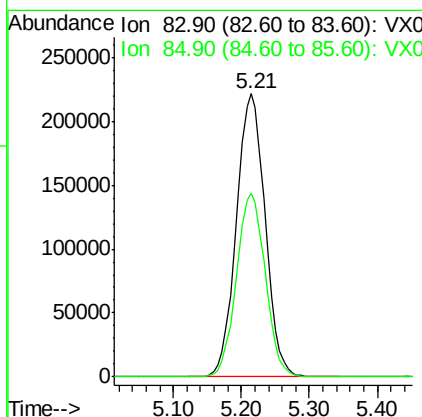
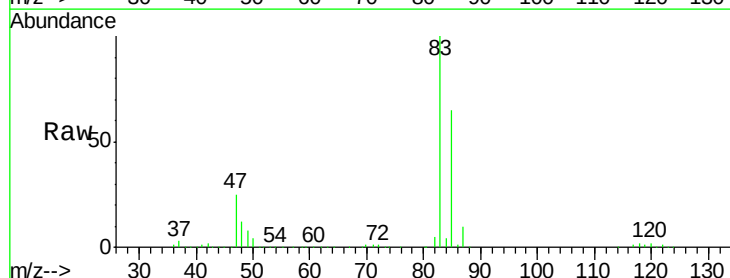
Manual Integrations
APPROVED

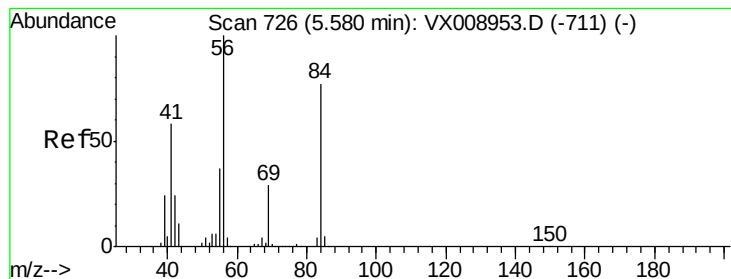
MMDadoda
4/16/2019 10:53:07 AM



#30
Chloroform
Concen: 142.635 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Tgt Ion: 83 Resp: 648551
Ion Ratio Lower Upper
83 100
85 64.8 51.9 77.9





#31

Cyclohexane

Concen: 141.031 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

Instrument :

MSVOA_X

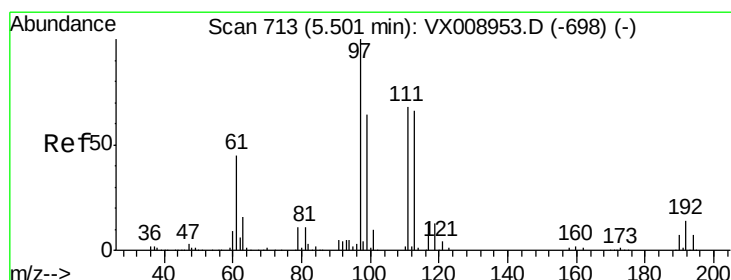
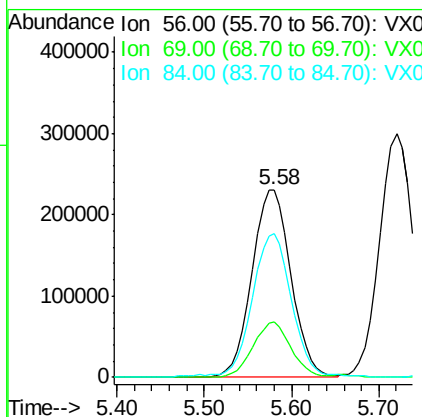
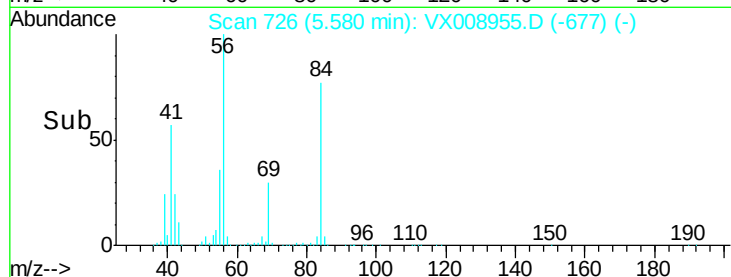
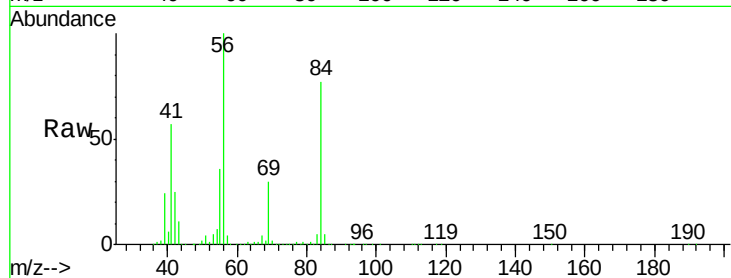
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	718489
Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.3	34.9
84	75.7	61.7	92.5

Manual Integrations
APPROVED

MMDadoda
4/16/2019 10:53:07 AM



#32

1,1,1-Trichloroethane

Concen: 151.587 ug/l

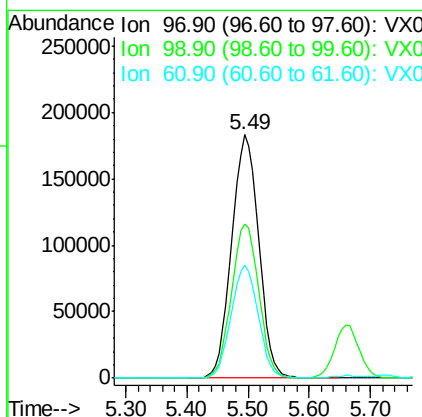
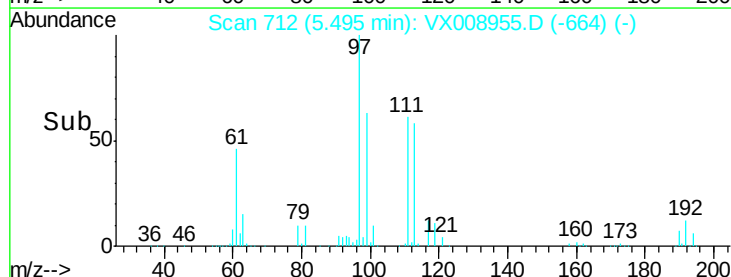
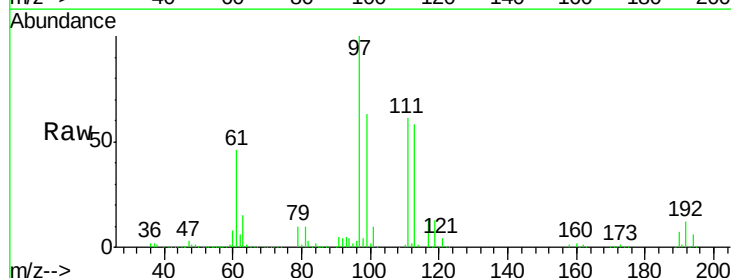
RT: 5.49 min Scan# 712

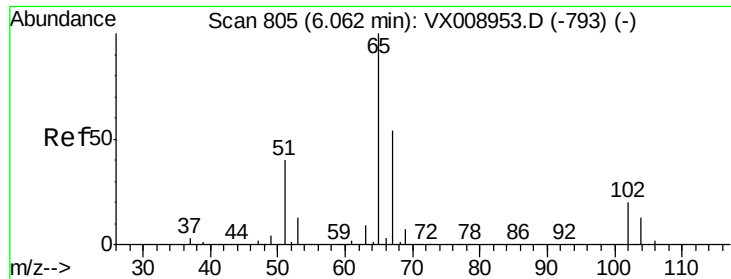
Delta R.T. -0.01 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

Tgt Ion:	97	Resp:	558340
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.6	77.4
61	46.5	37.9	56.9





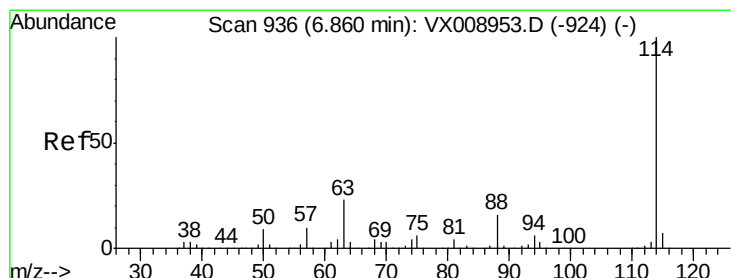
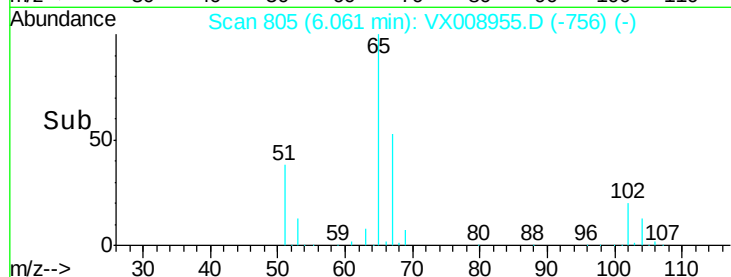
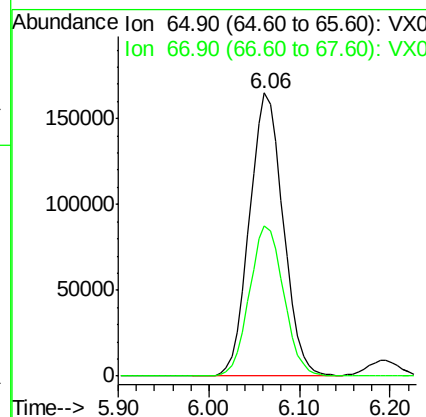
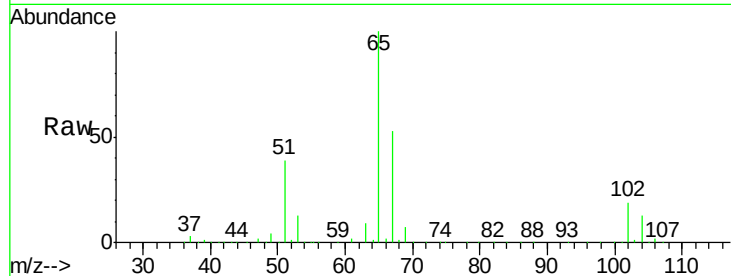
#33
 1,2-Dichloroethane-d4
 Concen: 144.303 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008955.D
 Acq: 15 Apr 2019 11:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	426276		
67	53.8	0.0	108.6	

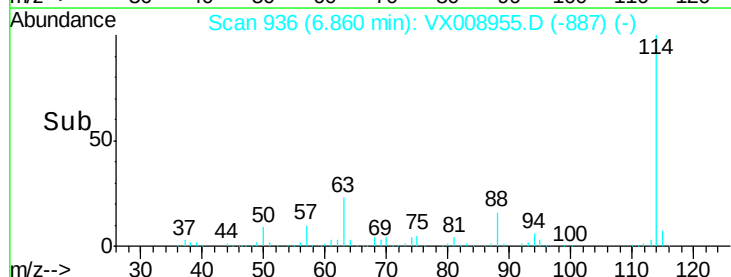
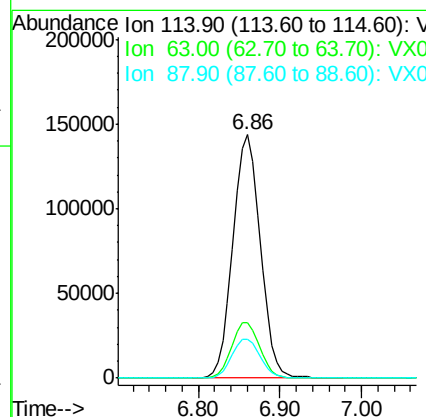
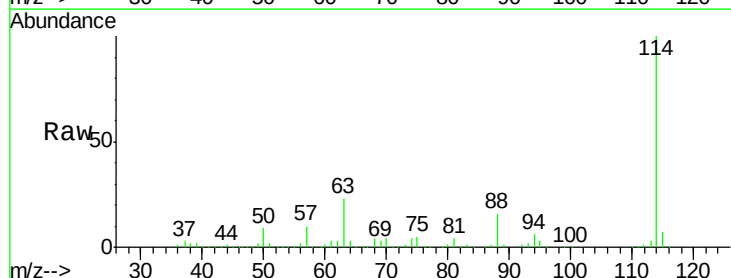
Manual Integrations
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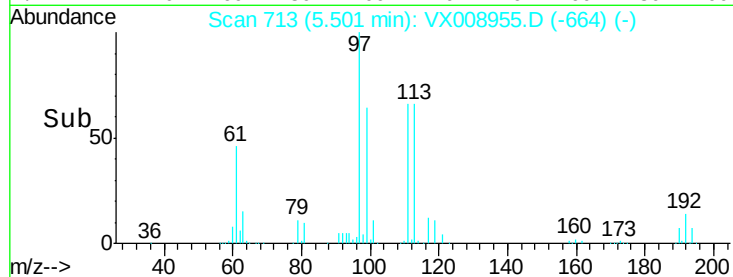
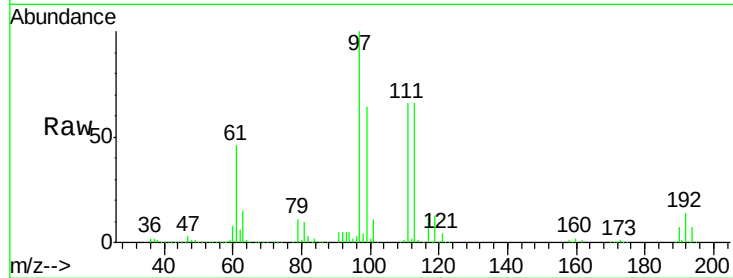
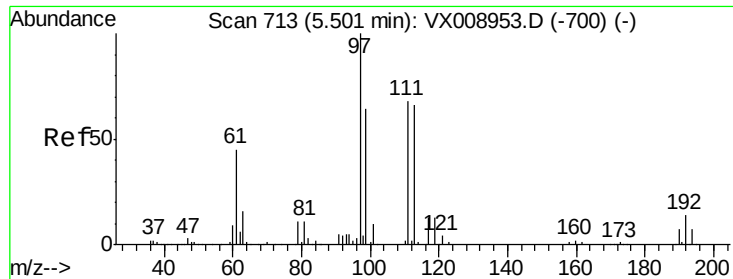
MMDadoda
 4/16/2019 10:53:07 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008955.D
 Acq: 15 Apr 2019 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	334017		
63	23.0	0.0	46.0	
88	16.0	0.0	32.6	





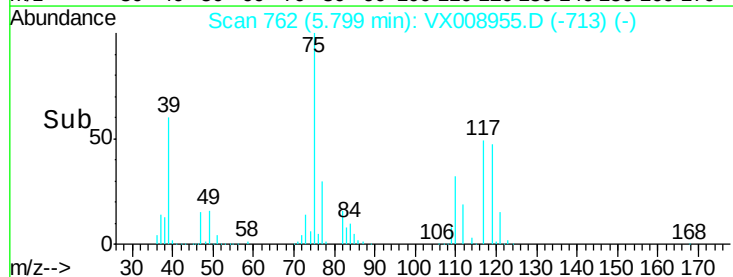
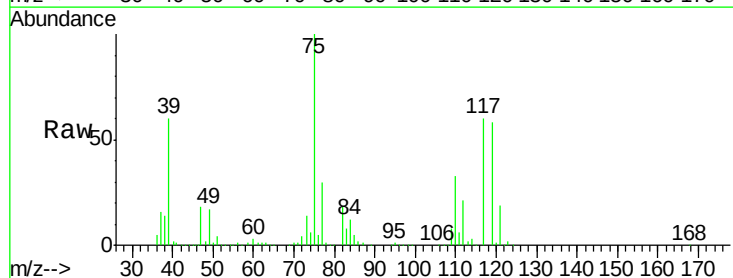
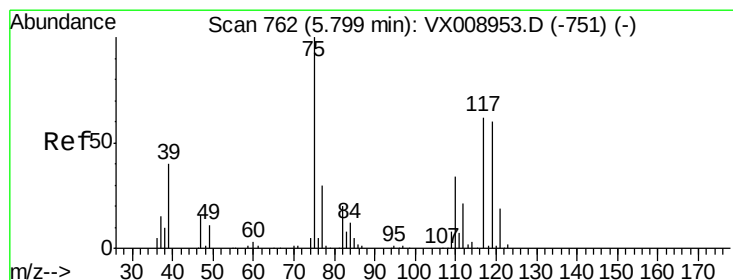
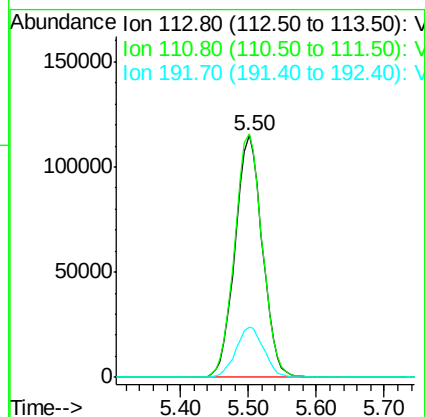
#35
Dibromofluoromethane
Concen: 151.012 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Tot Ion	Ratio	Resp	Lower	Upper
113	100	320341		
111	102.0	82.9	124.3	
192	21.2	17.4	26.0	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

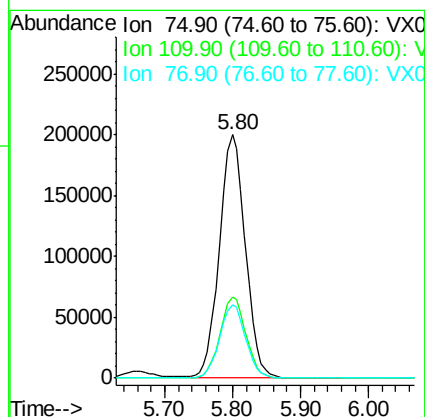
Manual Integrations
APPROVED

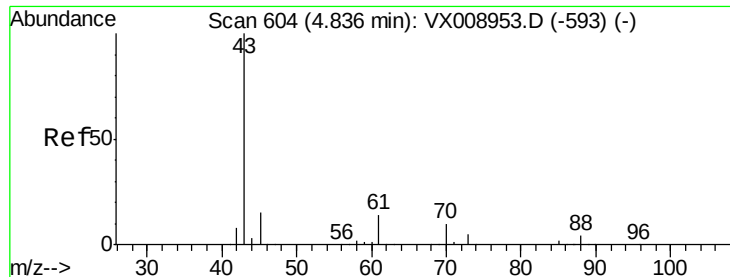
MMDadoda
4/16/2019 10:53:07 AM



#36
1,1-Dichloropropene
Concen: 146.925 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	527706		
110	33.4	16.9	50.7	
77	30.3	25.0	37.4	





#37

Ethyl Acetate

Concen: 144.918 ug/l

RT: 4.84 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

Instrument :

MSVOA_X

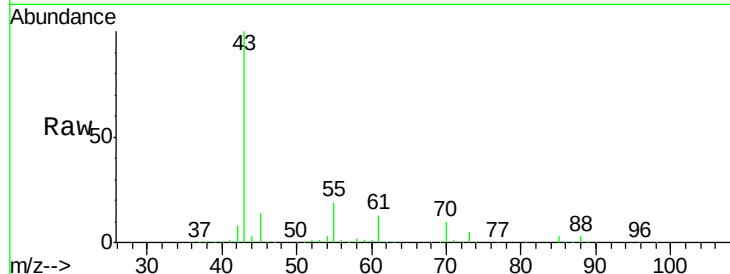
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	692023
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.6	15.8
70	9.7	7.7	11.5

Manual Integrations
APPROVED

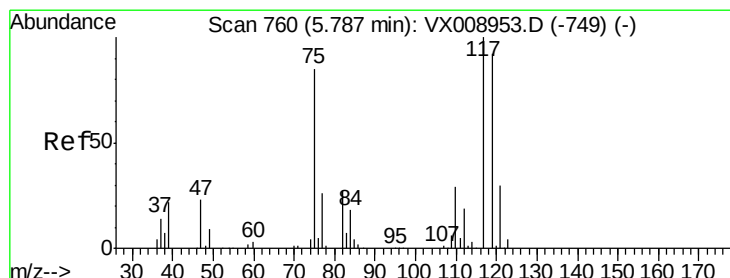
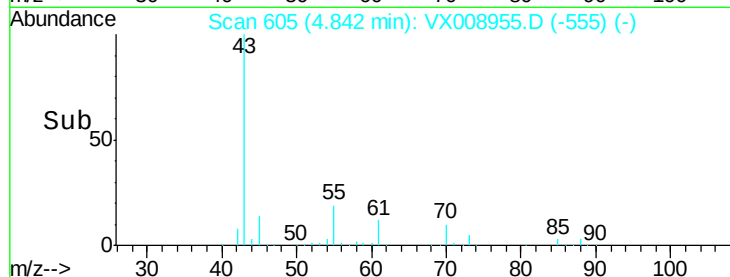
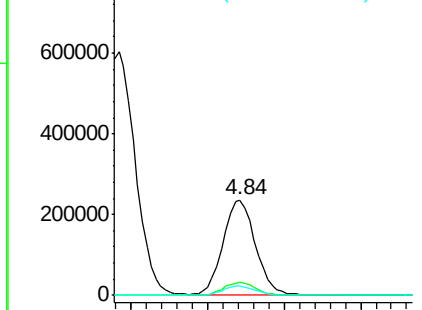
MMDadoda
4/16/2019 10:53:07 AM



Abundance Ion 43.00 (42.70 to 43.70): VX008953.D (-593) (-)

Ion 60.90 (60.60 to 61.60): VX008953.D (-593) (-)

Ion 70.00 (69.70 to 70.70): VX008953.D (-593) (-)



#38

Carbon Tetrachloride

Concen: 158.848 ug/l

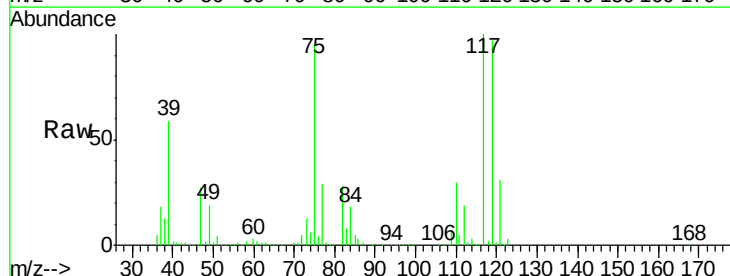
RT: 5.79 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

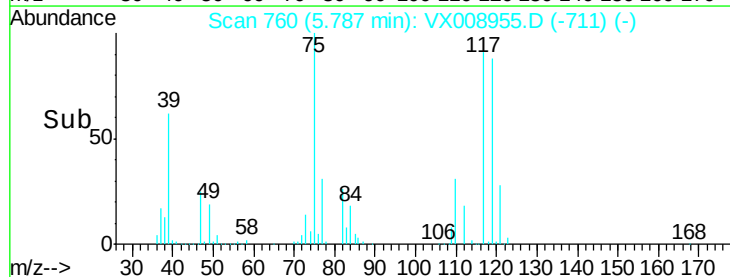
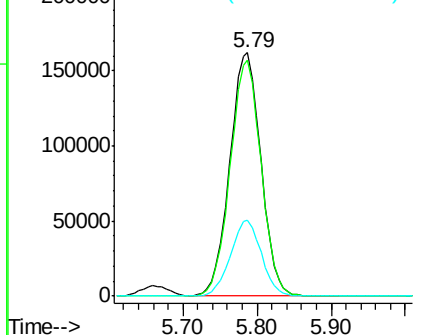
Tgt Ion:	117	Resp:	473169
Ion	Ratio	Lower	Upper
117	100		
119	96.8	73.8	110.8
121	31.0	23.6	35.4

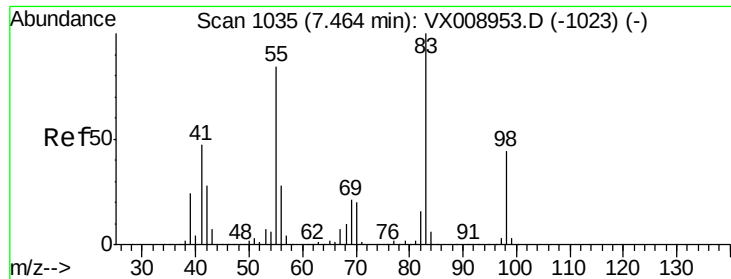


Abundance Ion 116.80 (116.50 to 117.50): VX008955.D (-711) (-)

Ion 118.80 (118.50 to 119.50): VX008955.D (-711) (-)

Ion 120.80 (120.50 to 121.50): VX008955.D (-711) (-)





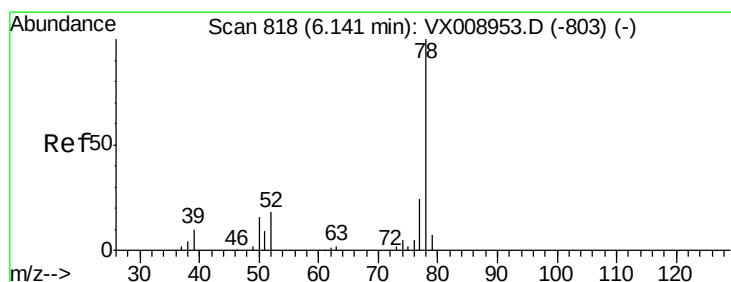
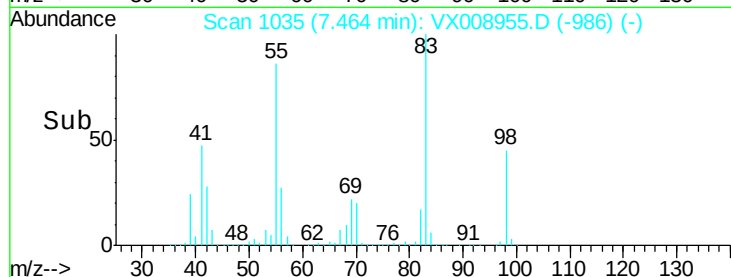
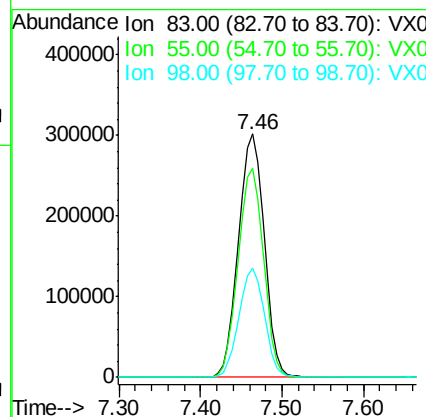
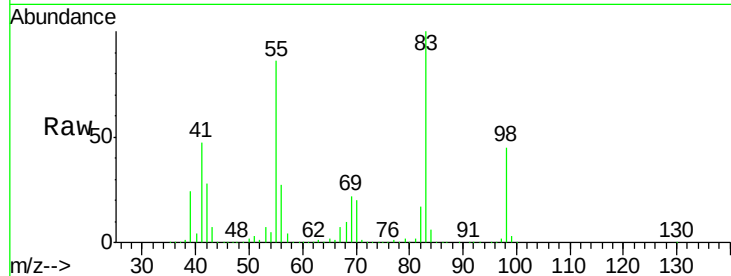
#39
Methylvlcyclohexane
Concen: 148.486 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	659625		
55	85.8		67.1	100.7
98	45.0		35.1	52.7

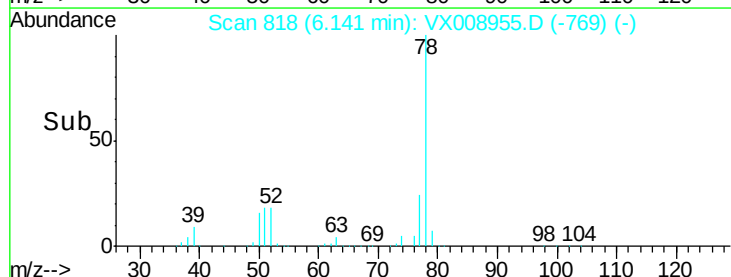
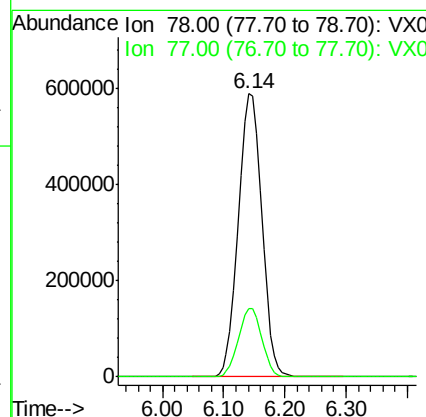
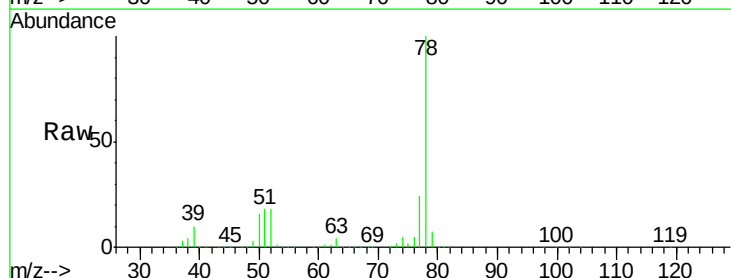
Manual Integrations
APPROVED

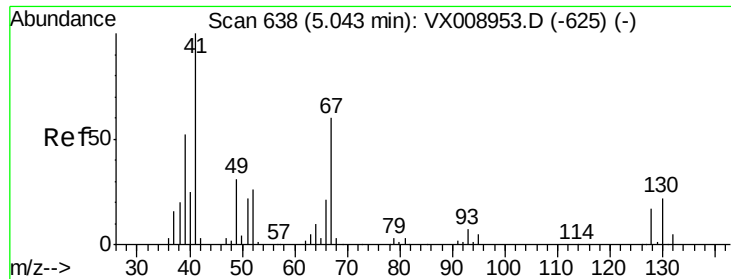
MMDadoda
4/16/2019 10:53:07 AM



#40
Benzene
Concen: 145.718 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1558976		
77	24.3		19.0	28.6





#41

Methacrylonitrile

Concen: 142.958 ug/l

RT: 5.05 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

Instrument :

MSVOA_X

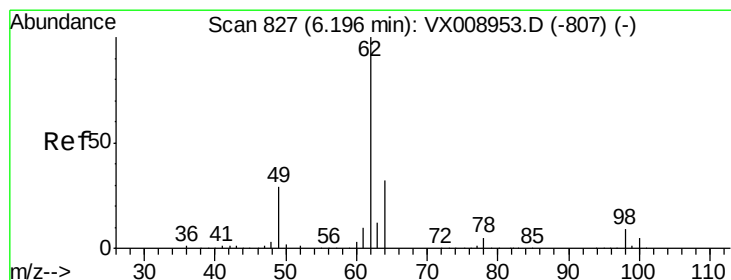
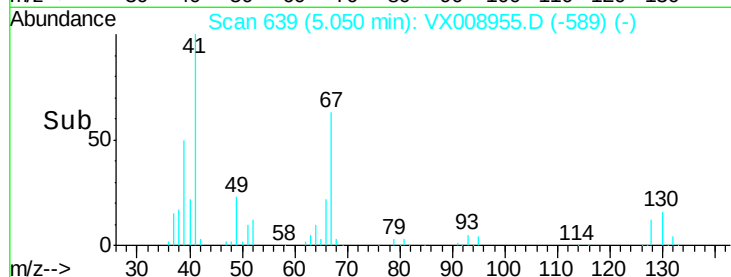
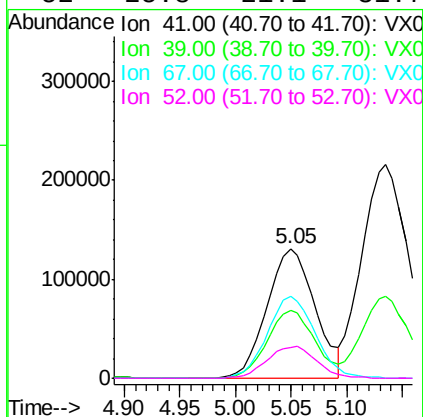
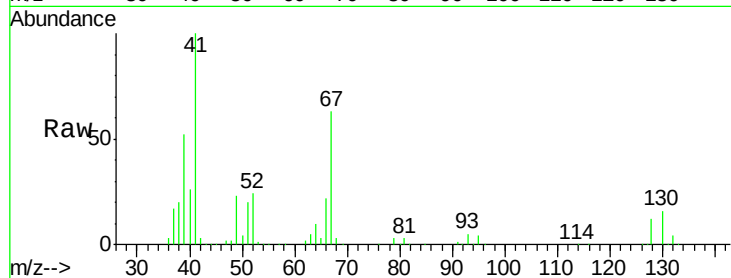
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	52.2	41.8	62.6		
67	62.8	50.2	75.4		
52	25.8	21.1	31.7		

Manual Integrations
APPROVED

MMDadoda
4/16/2019 10:53:07 AM



#42

1,2-Dichloroethane

Concen: 143.749 ug/l

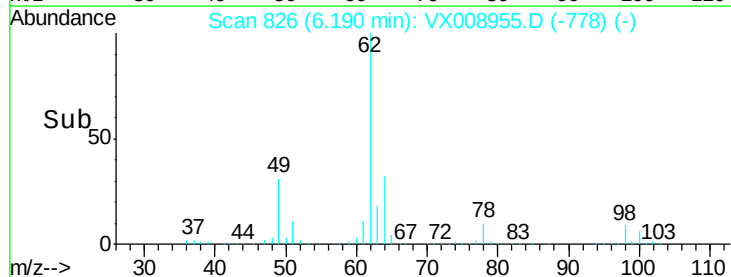
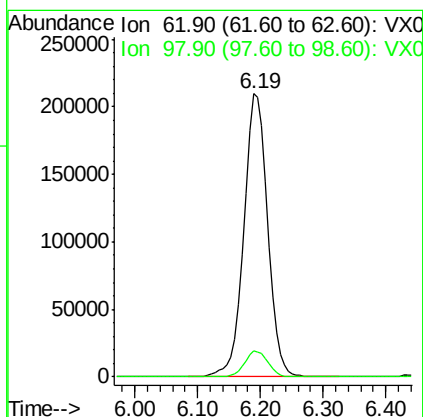
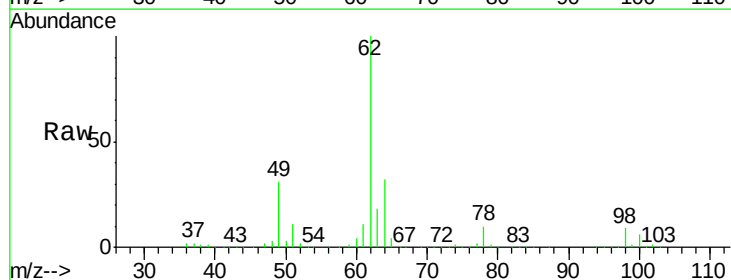
RT: 6.19 min Scan# 826

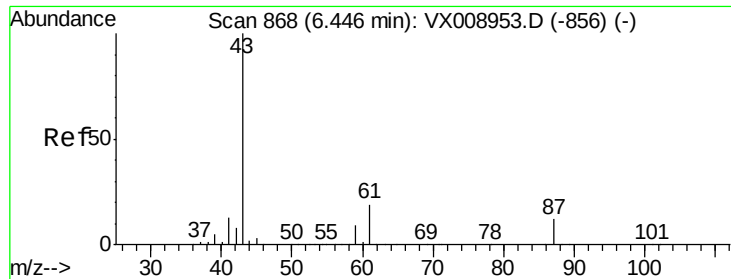
Delta R.T. -0.01 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.9	0.0	18.4		





#43

Isopropyl Acetate

Concen: 148.204 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1110936

Ion Ratio Lower Upper

43 100

61 19.0 15.4 23.0

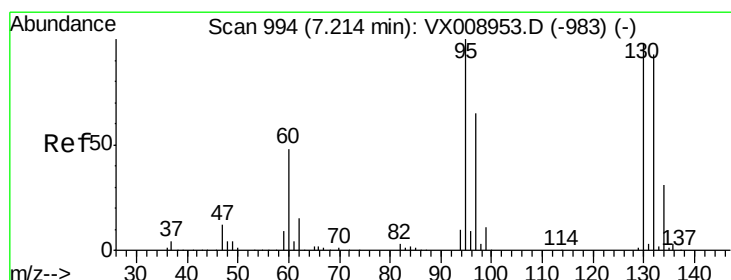
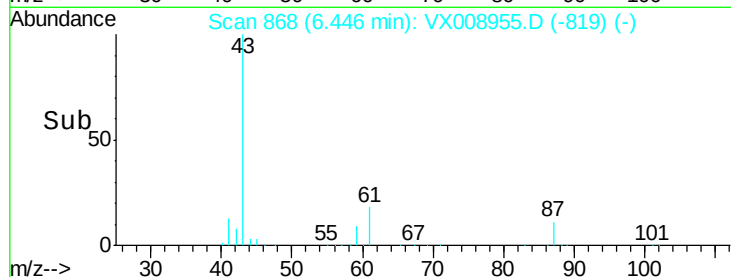
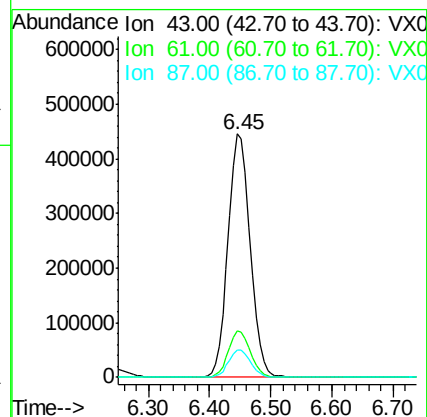
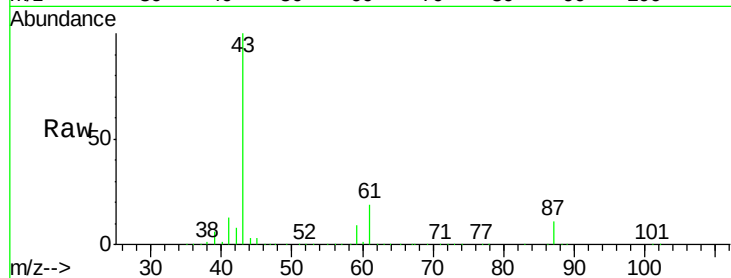
87 11.2 9.0 13.4

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4/16/2019 10:53:07 AM



#44

Trichloroethene

Concen: 151.645 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008955.D

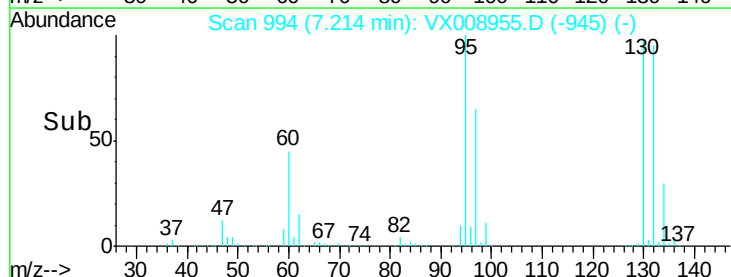
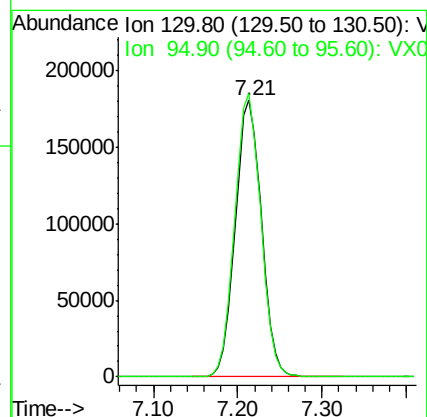
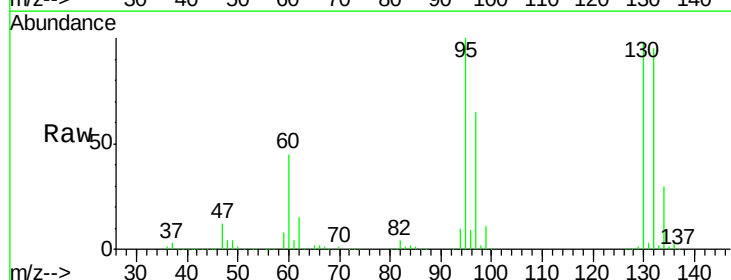
Acq: 15 Apr 2019 11:55

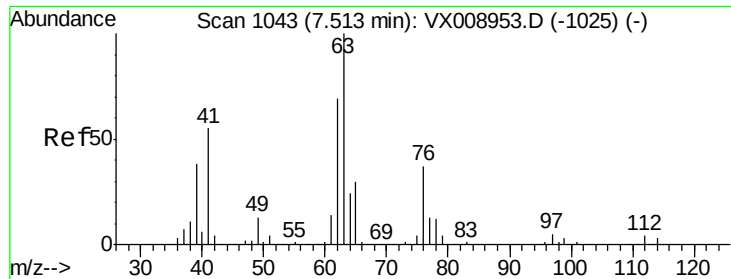
Tgt Ion:130 Resp: 379814

Ion Ratio Lower Upper

130 100

95 102.3 0.0 203.2





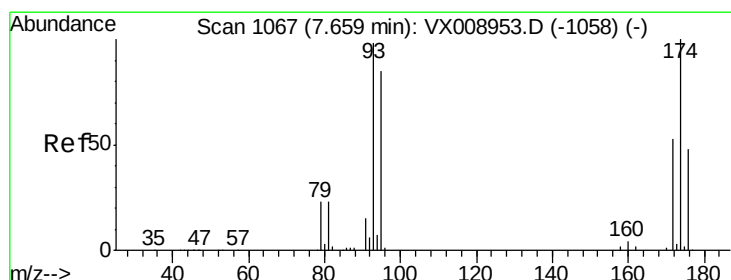
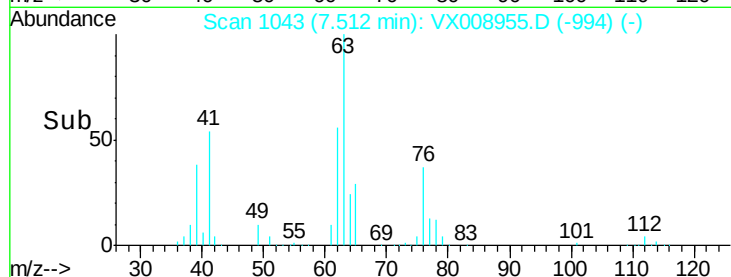
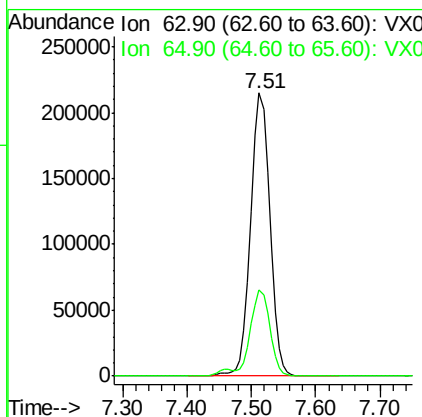
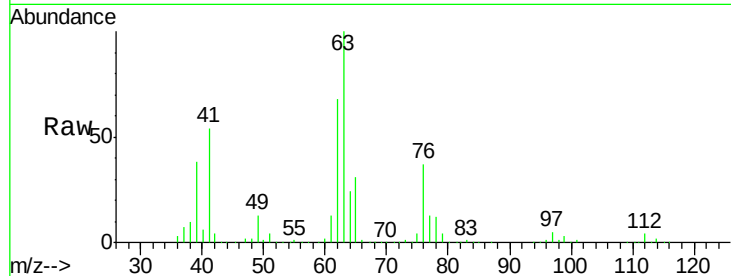
#45
 1,2-Dichloropropane
 Concen: 143.799 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008955.D
 Acq: 15 Apr 2019 11:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 437556
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.1 36.1

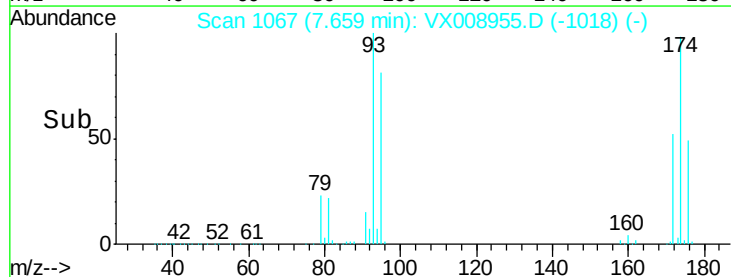
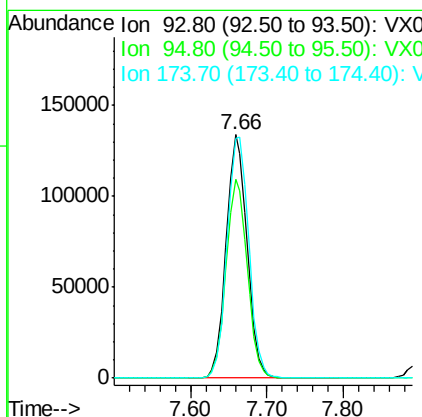
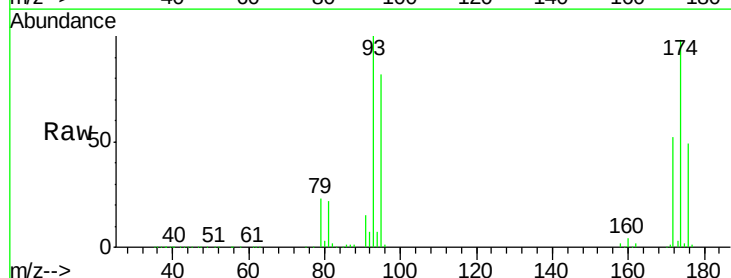
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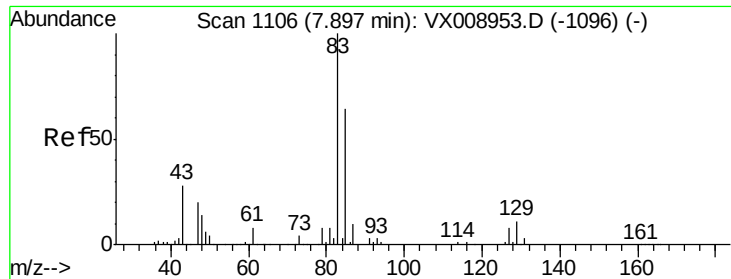
MMDadoda
 4/16/2019 10:53:07 AM



#46
 Dibromomethane
 Concen: 142.543 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008955.D
 Acq: 15 Apr 2019 11:55

Tgt Ion: 93 Resp: 252438
 Ion Ratio Lower Upper
 93 100
 95 82.9 67.0 100.4
 174 103.1 81.6 122.4





#47

Bromodichloromethane

Concen: 154.789 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

Instrument :

MSVOA_X

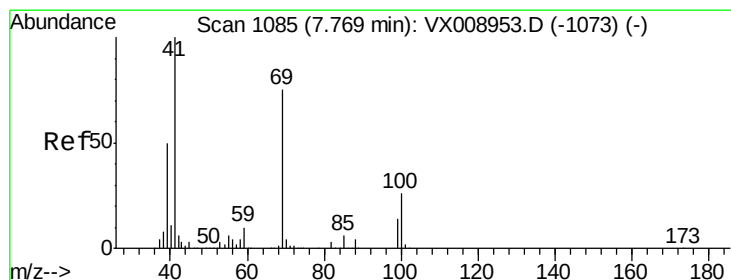
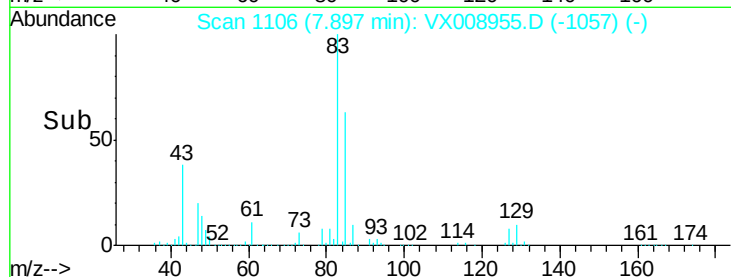
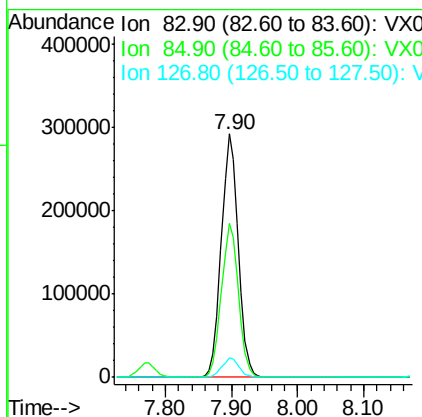
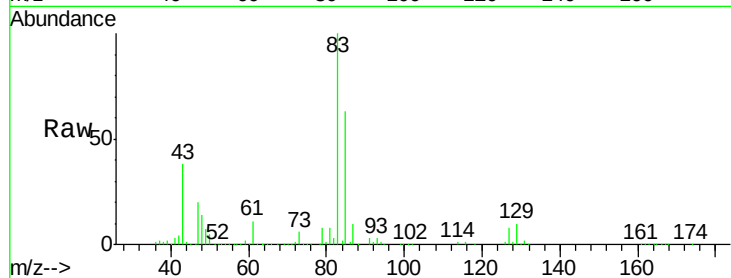
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	516852
Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.8	76.2
127	8.0	6.4	9.6

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MMDadoda
4/16/2019 10:53:07 AM



#48

Methyl methacrylate

Concen: 145.108 ug/l

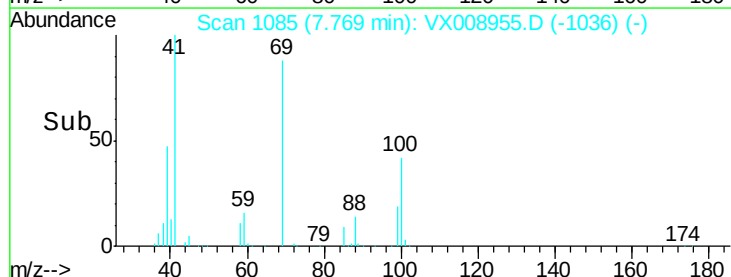
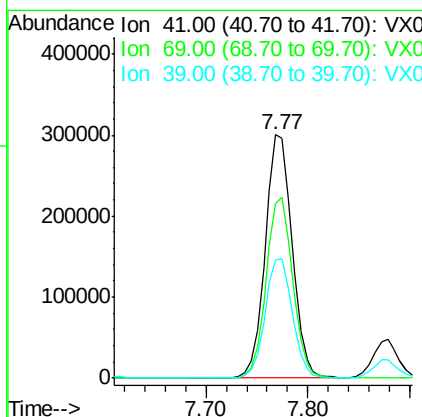
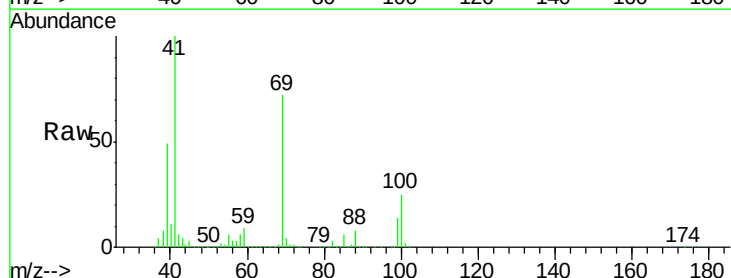
RT: 7.77 min Scan# 1085

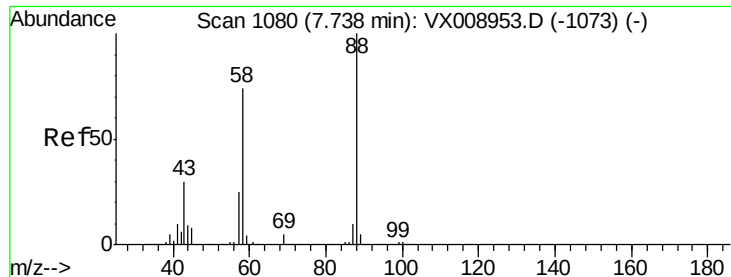
Delta R.T. -0.00 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

Tgt Ion:	41	Resp:	548884
Ion	Ratio	Lower	Upper
41	100		
69	73.6	59.4	89.2
39	49.8	39.8	59.6





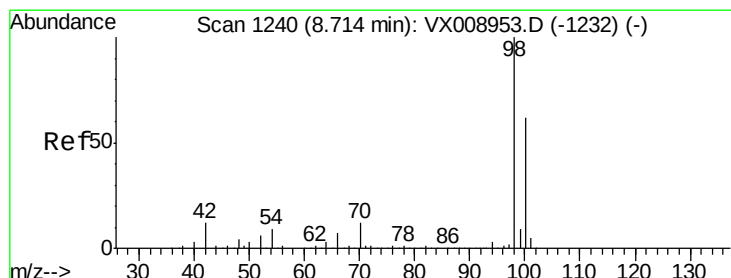
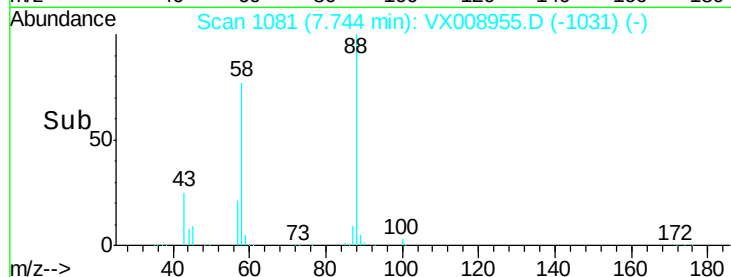
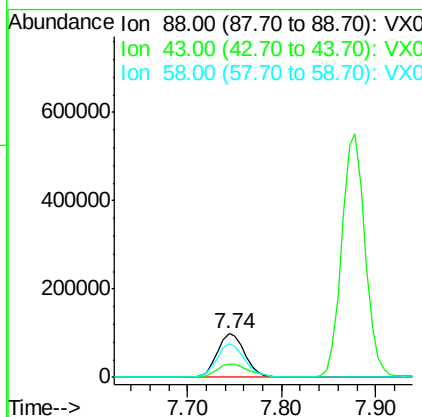
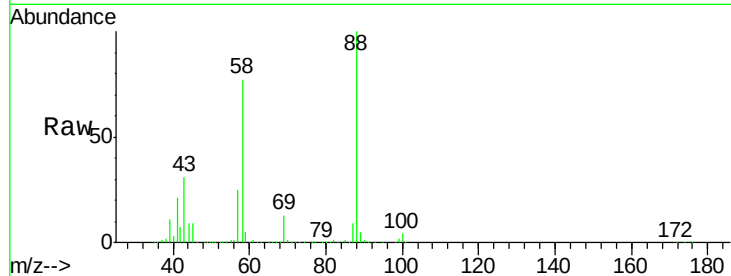
#49
1,4-Dioxane
Concen: 2851.713 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.7	29.3	43.9
58	77.7	62.6	93.8

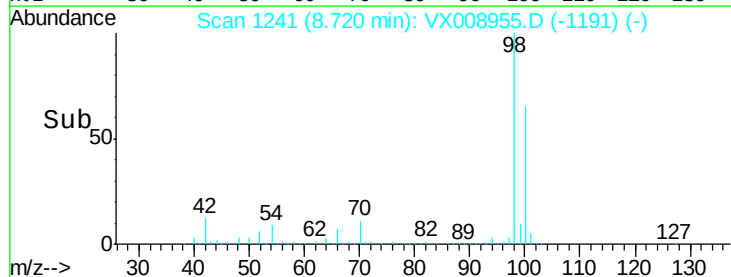
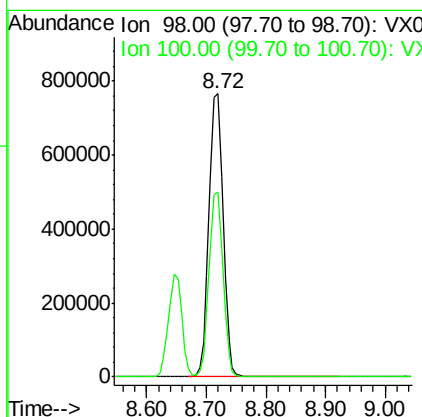
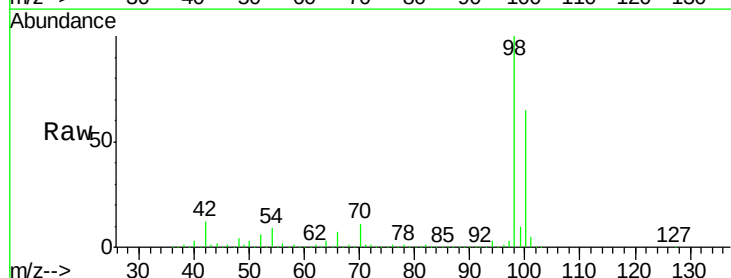
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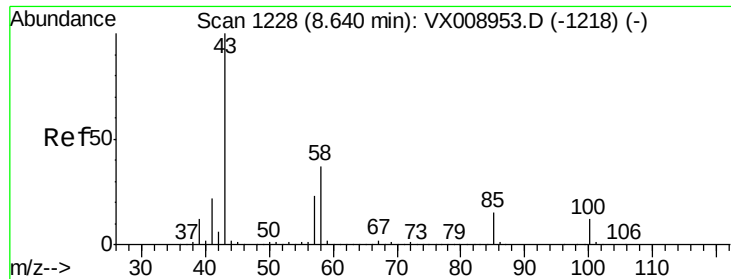
MMDadoda
4/16/2019 10:53:07 AM



#50
Toluene-d8
Concen: 147.501 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 707.340 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3406775

Ion Ratio Lower Upper

43 100

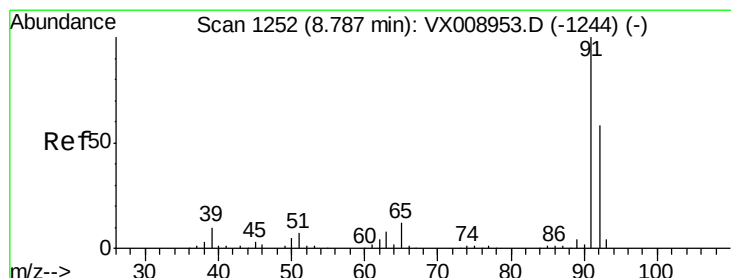
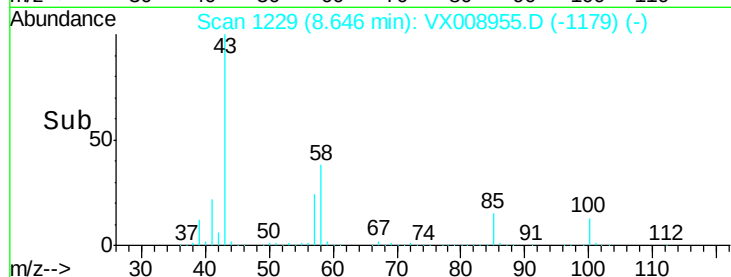
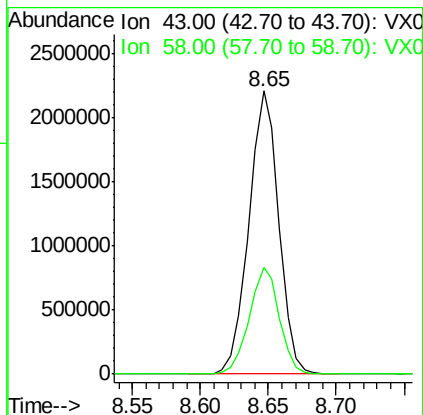
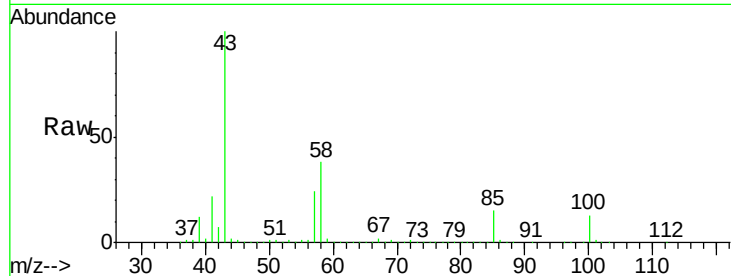
58 37.7 29.8 44.6

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#52

Toluene

Concen: 144.806 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008955.D

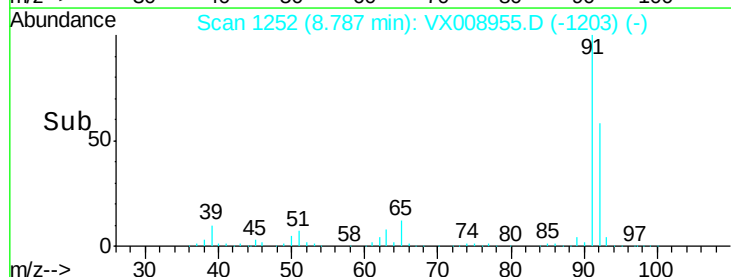
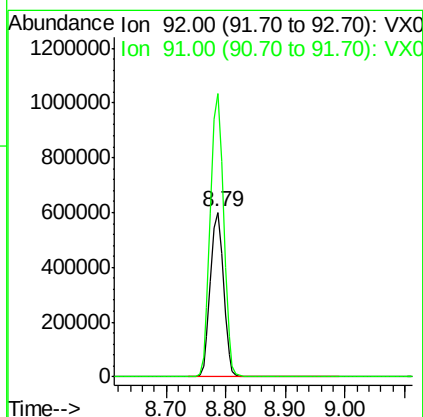
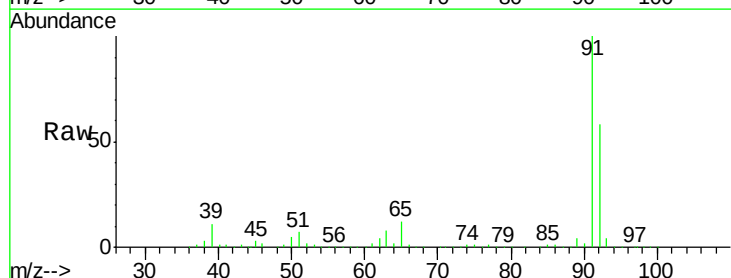
Acq: 15 Apr 2019 11:55

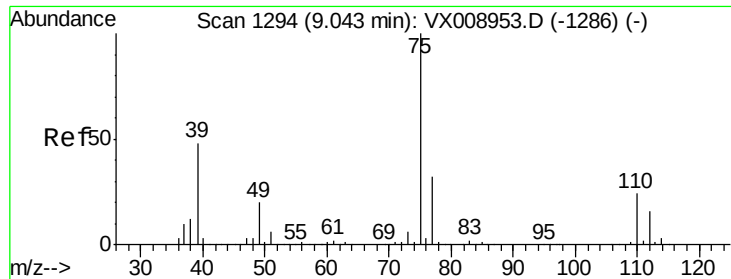
Tgt Ion: 92 Resp: 913078

Ion Ratio Lower Upper

92 100

91 172.7 138.5 207.7





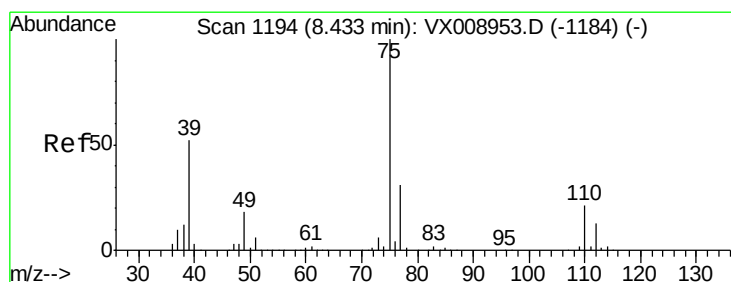
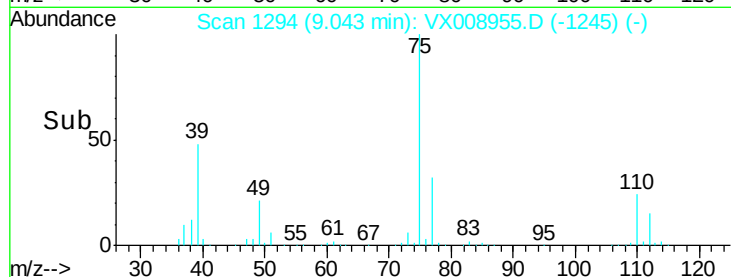
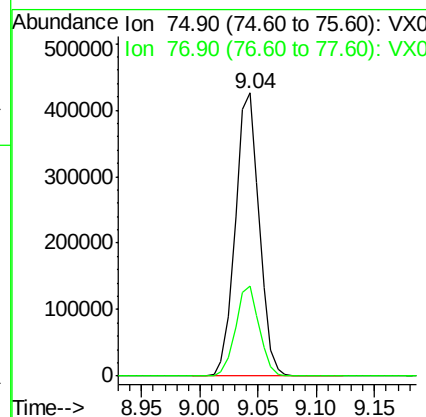
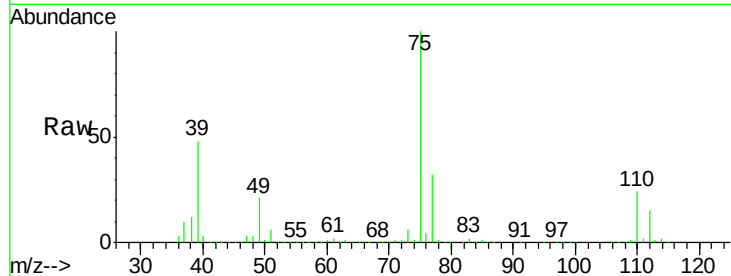
#53
 t-1,3-Dichloropropene
 Concen: 162.094 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX008955.D
 Acq: 15 Apr 2019 11:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 75 Resp: 608949
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.4 38.2

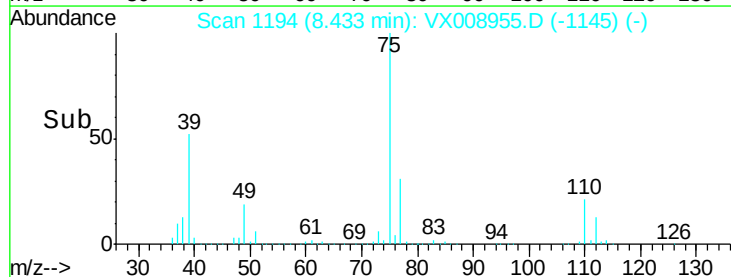
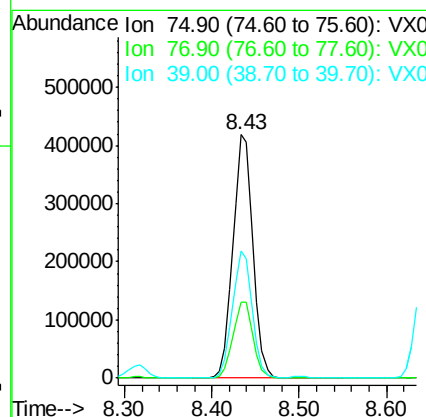
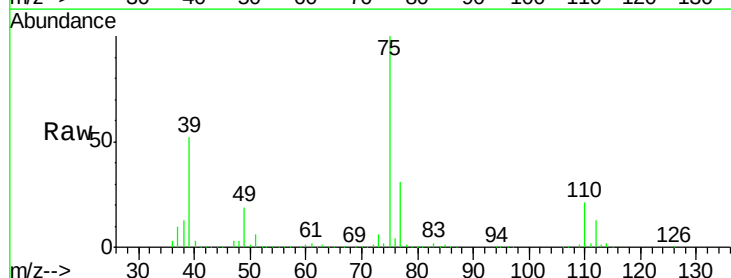
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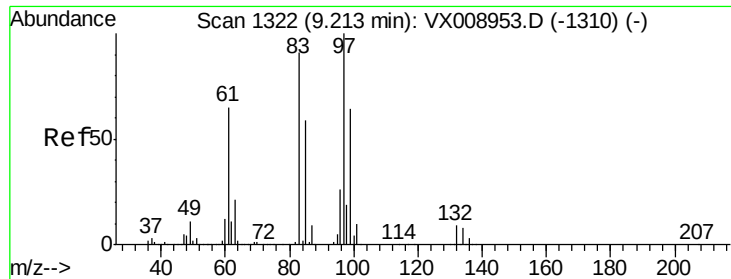
MMDadoda
 4/16/2019 10:53:07 AM



#54
 cis-1,3-Dichloropropene
 Concen: 155.546 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008955.D
 Acq: 15 Apr 2019 11:55

Tgt Ion: 75 Resp: 665708
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.8 37.2
 39 52.1 41.8 62.6





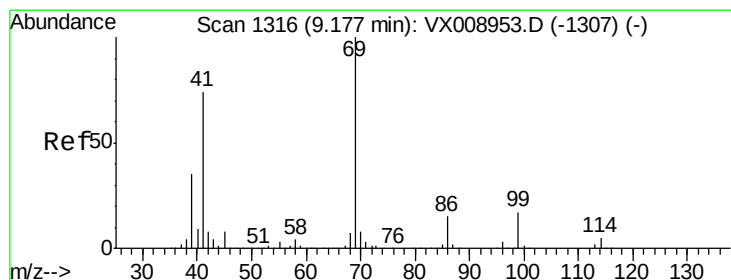
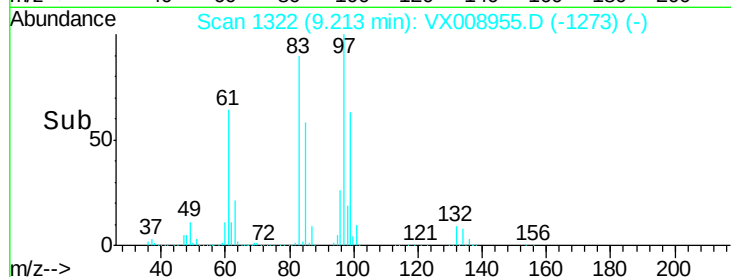
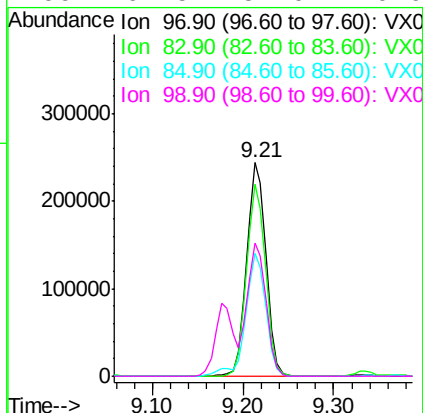
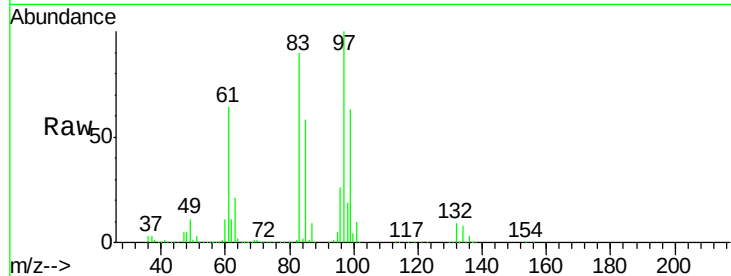
#55
 1,1,2-Trichloroethane
 Concen: 141.859 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008955.D
 Acq: 15 Apr 2019 11:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	359306
Ion	Ratio	Lower	Upper
97	100		
83	90.1	72.6	108.8
85	57.6	46.9	70.3
99	62.5	51.0	76.6

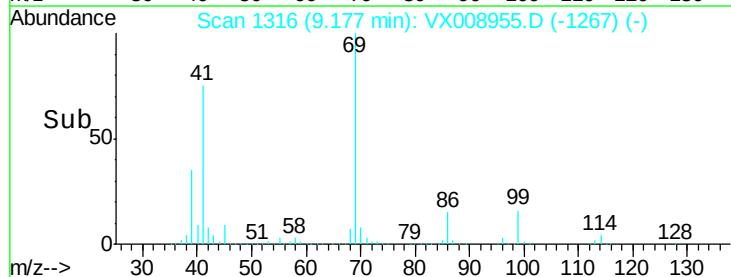
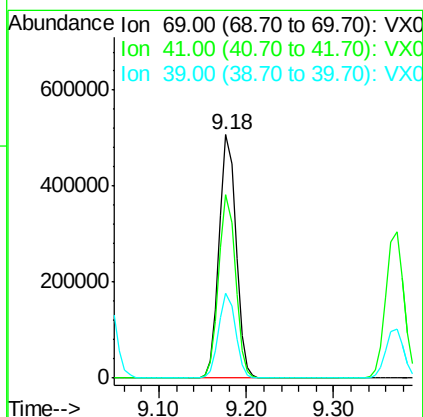
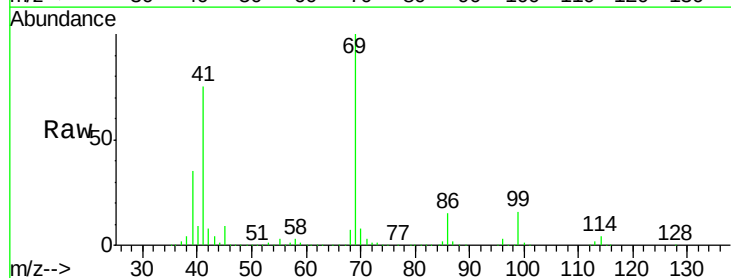
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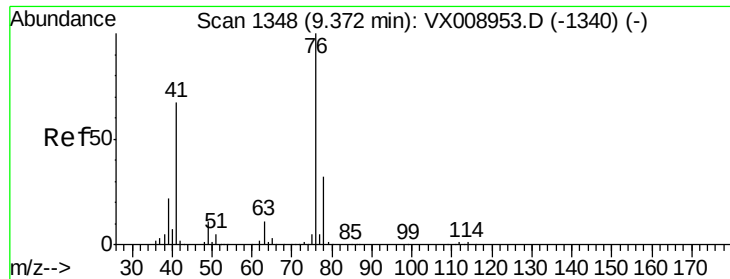
MMDadoda
 4/16/2019 10:53:07 AM



#56
 Ethyl methacrylate
 Concen: 148.531 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008955.D
 Acq: 15 Apr 2019 11:55

Tgt Ion:	69	Resp:	678408
Ion	Ratio	Lower	Upper
69	100		
41	74.8	60.2	90.2
39	34.9	27.9	41.9





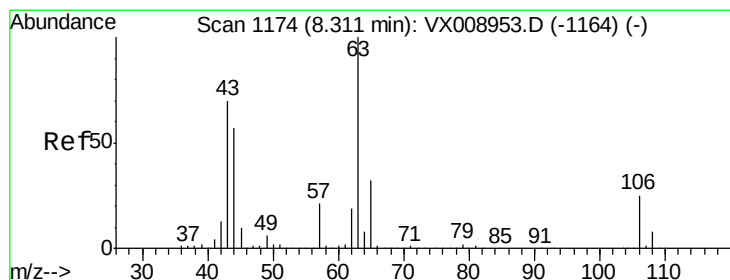
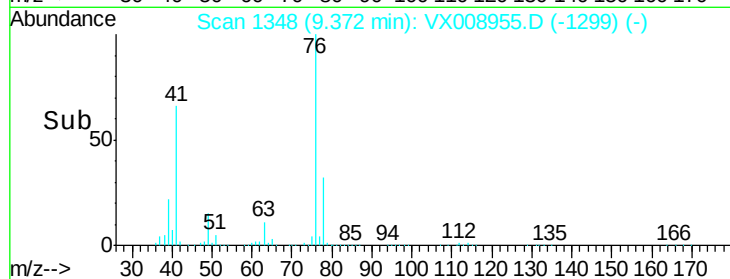
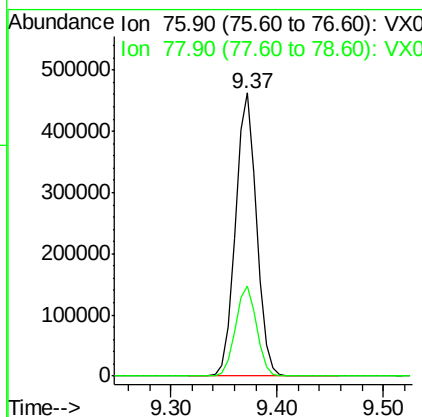
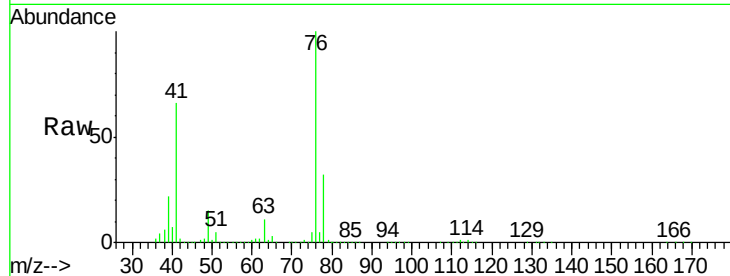
#57
 1,3-Dichloropropane
 Concen: 141.015 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX008955.D
 Acq: 15 Apr 2019 11:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 639934
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5

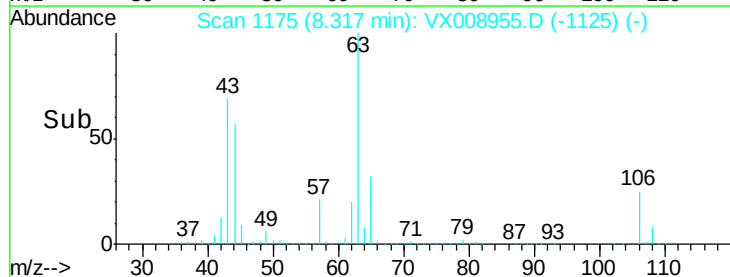
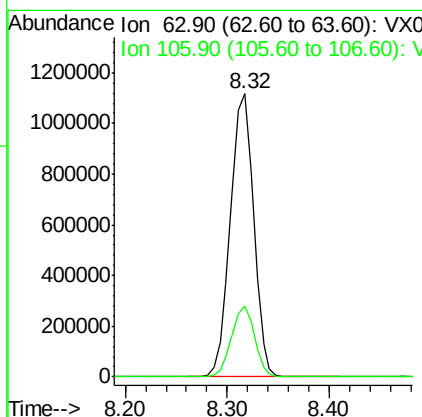
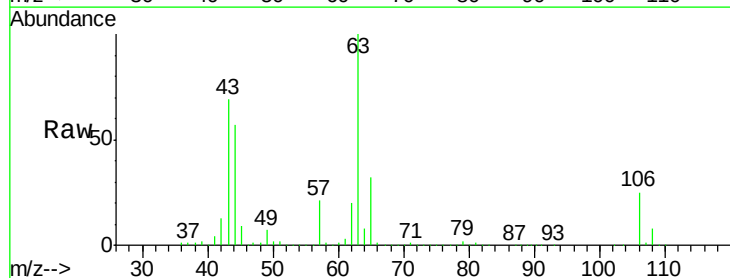
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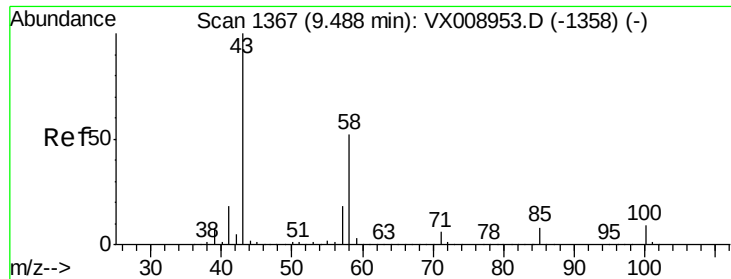
MMDadoda
 4/16/2019 10:53:07 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 749.061 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VX008955.D
 Acq: 15 Apr 2019 11:55

Tgt Ion: 63 Resp: 1763872
 Ion Ratio Lower Upper
 63 100
 106 24.7 19.8 29.6





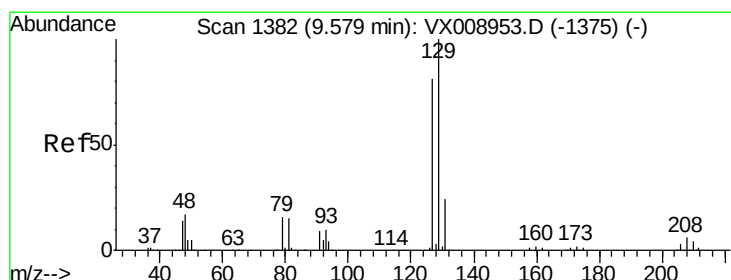
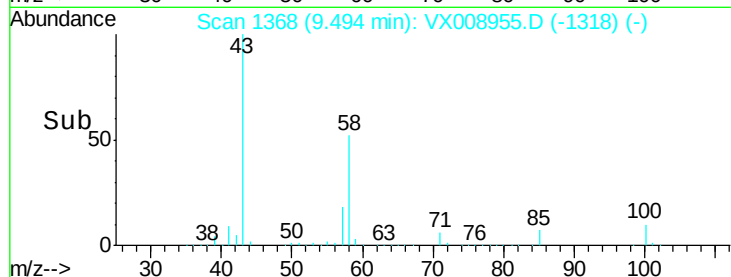
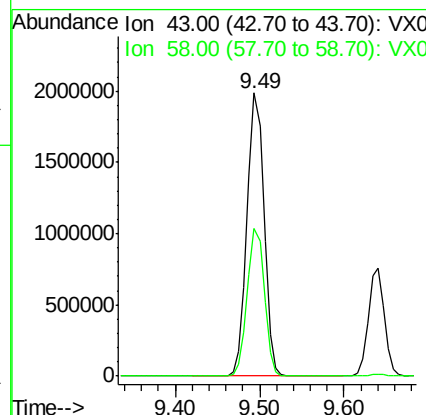
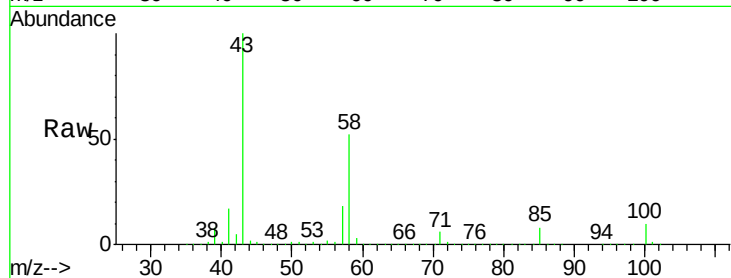
#59
2-Hexanone
Concen: 714.739 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2676646
Ion Ratio Lower Upper
43 100
58 52.5 25.9 77.8

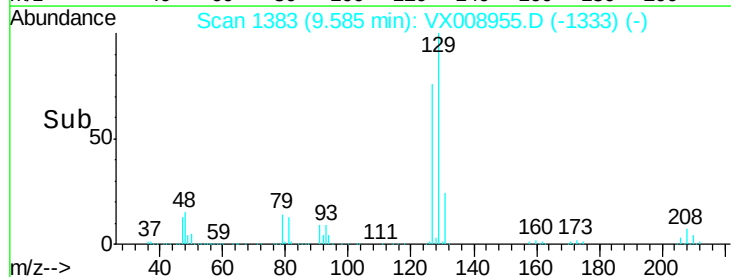
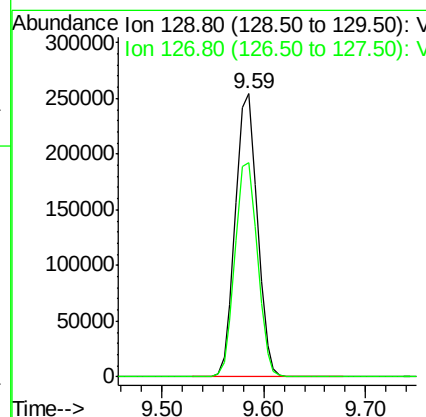
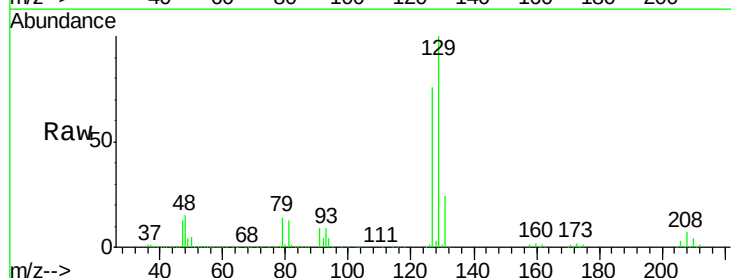
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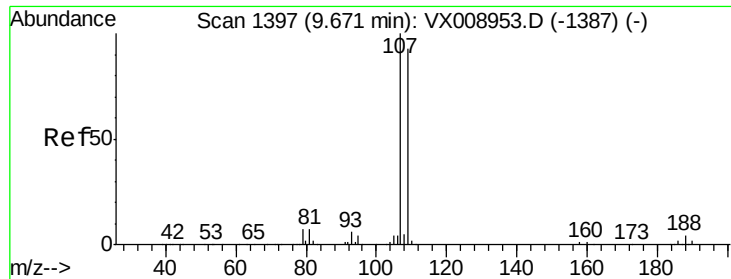
MMDadoda
4/16/2019 10:53:07 AM



#60
Dibromochloromethane
Concen: 158.538 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Tgt Ion: 129 Resp: 379151
Ion Ratio Lower Upper
129 100
127 77.3 39.1 117.2





#61

1,2-Dibromoethane

Concen: 142.305 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 375138

Ion Ratio Lower Upper

107 100

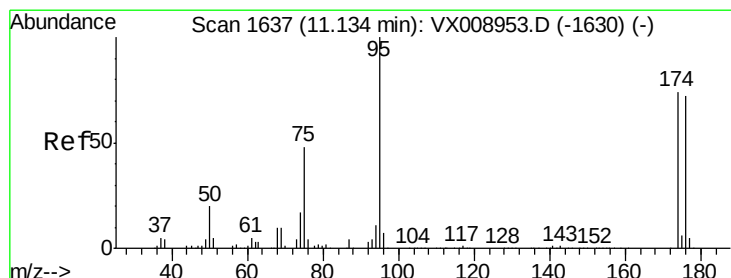
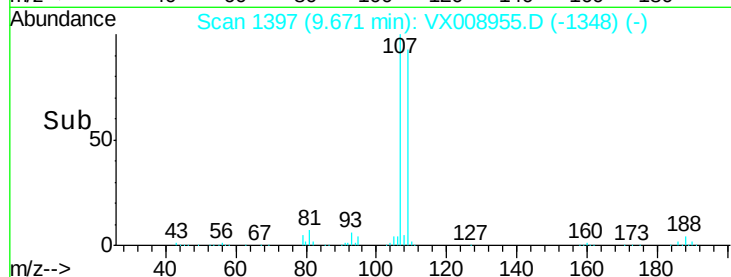
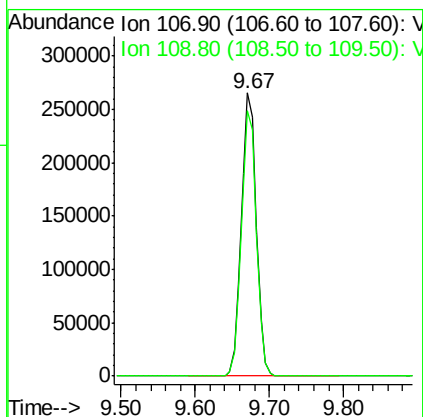
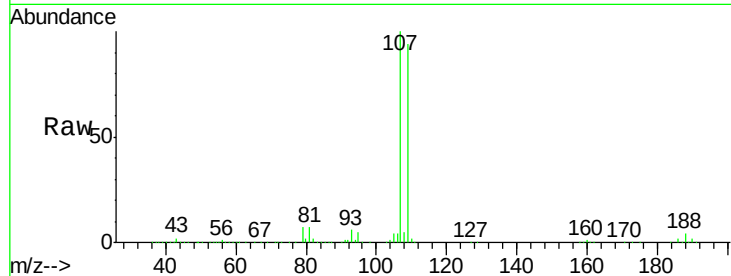
109 94.2 74.4 111.6

Manual Integrations

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MMDadoda

4/16/2019 10:53:07 AM



#62

4-Bromofluorobenzene

Concen: 152.220 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

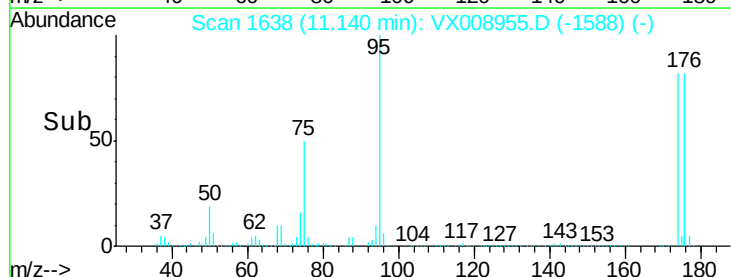
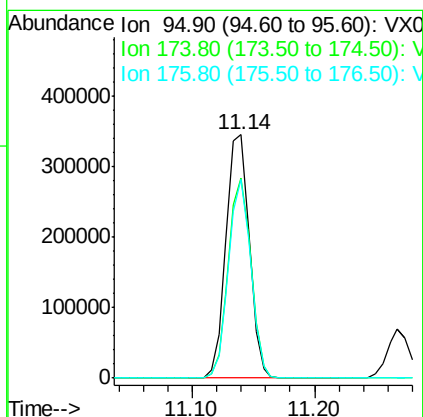
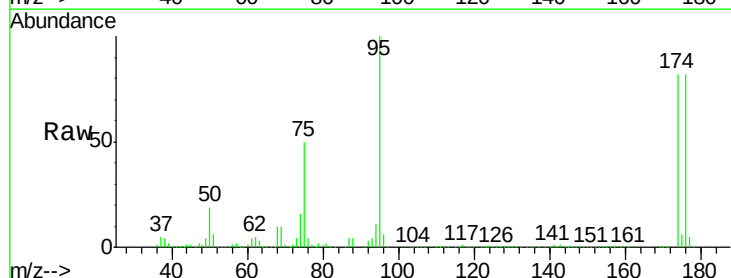
Tgt Ion: 95 Resp: 455696

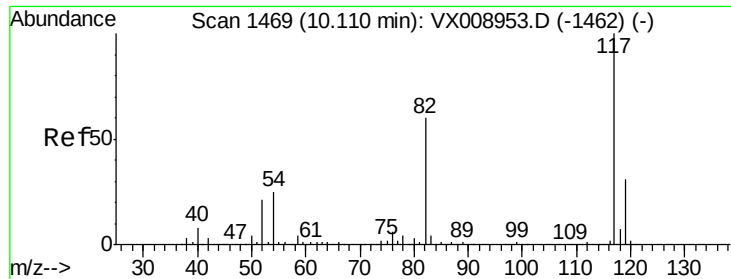
Ion Ratio Lower Upper

95 100

174 79.5 0.0 159.6

176 77.8 0.0 154.8





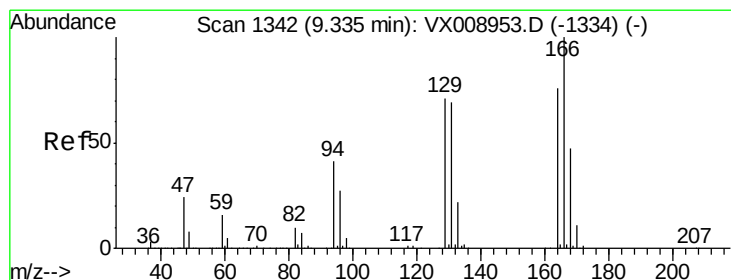
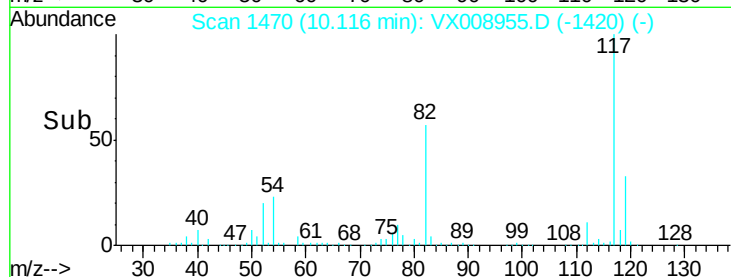
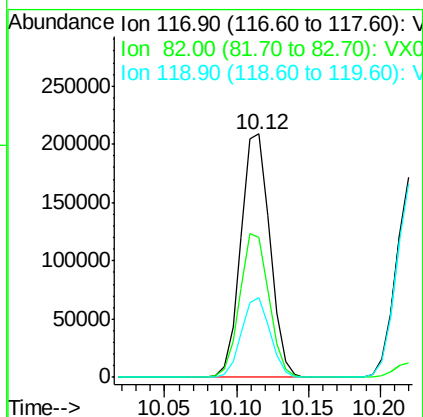
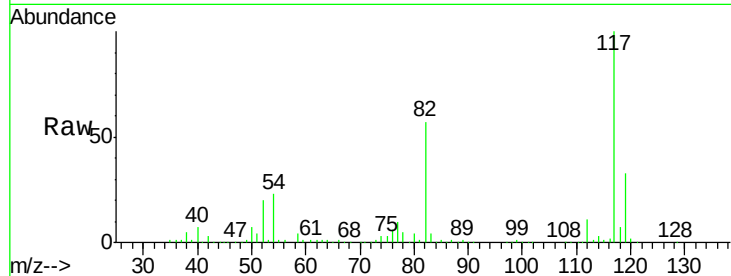
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	48.2	72.4
119	32.6	25.0	37.6

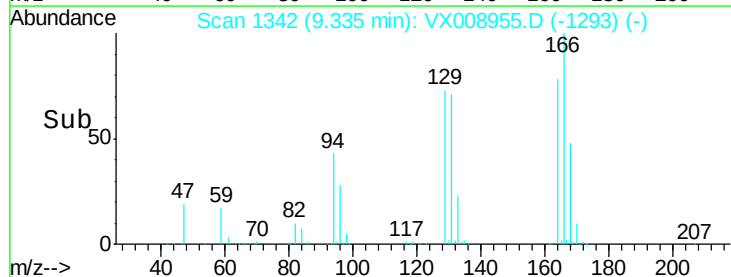
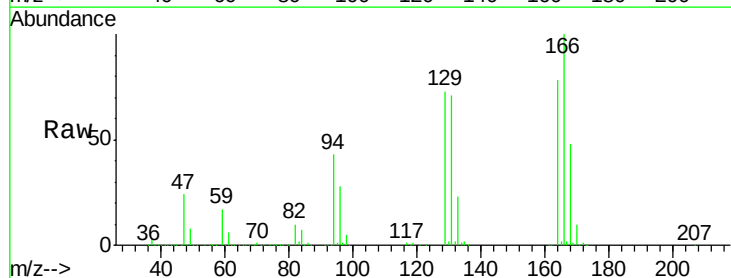
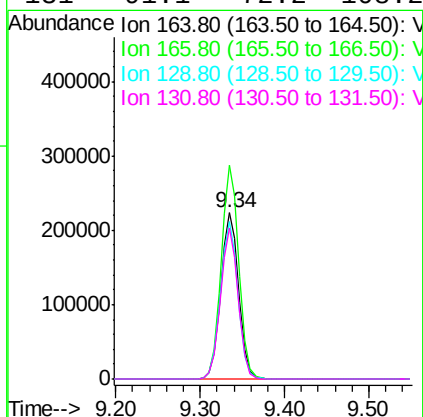
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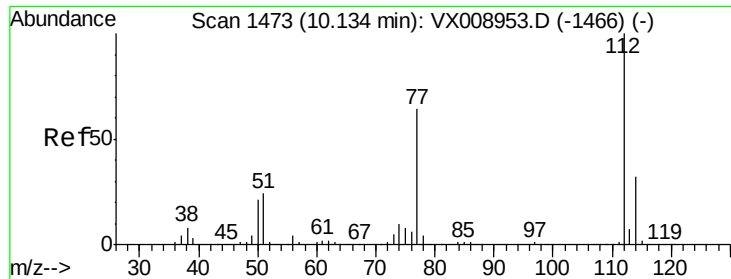
MMDadoda
4/16/2019 10:53:07 AM



#64
Tetrachloroethene
Concen: 151.165 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	105.0	157.4
129	94.3	74.2	111.4
131	91.1	72.2	108.2





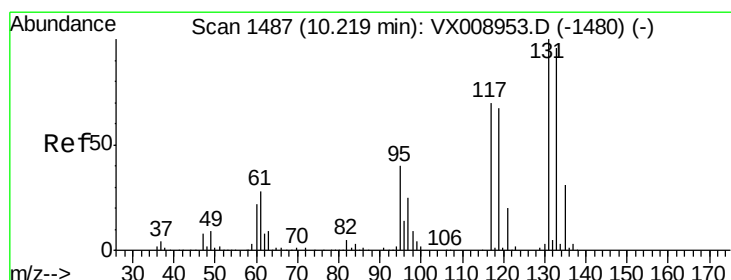
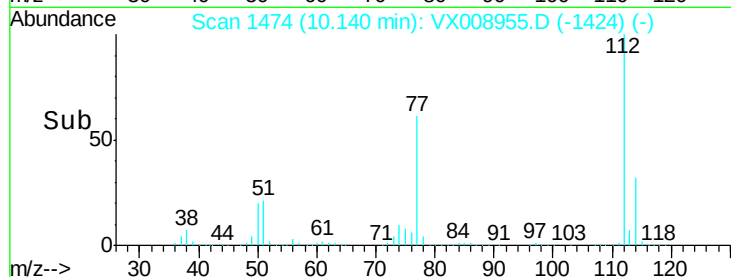
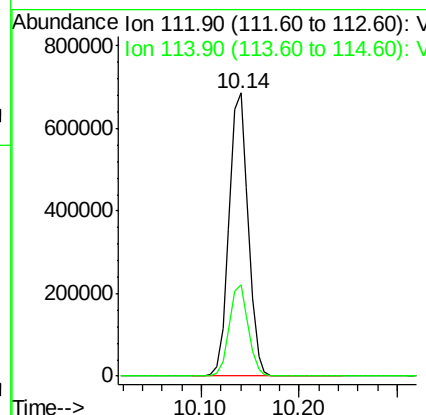
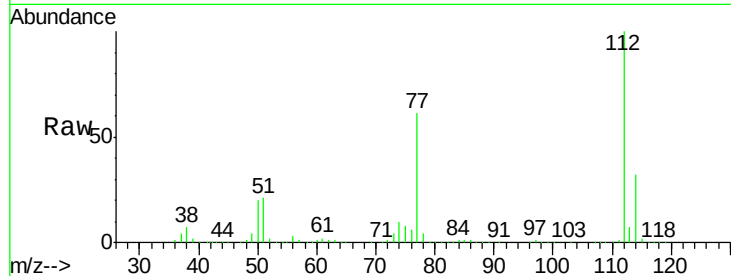
#65
Chlorobenzene
Concen: 146.103 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 929540
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.0

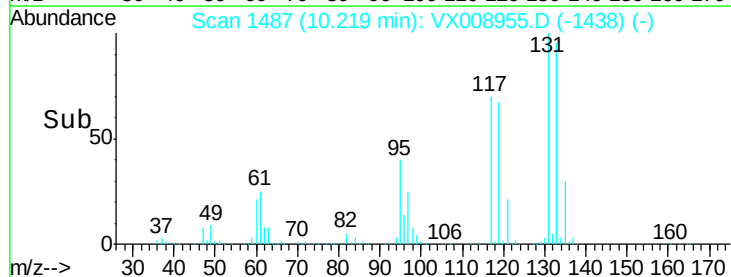
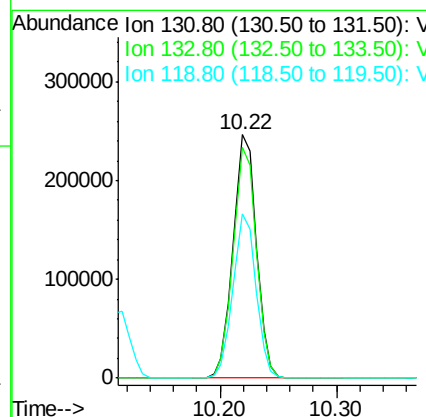
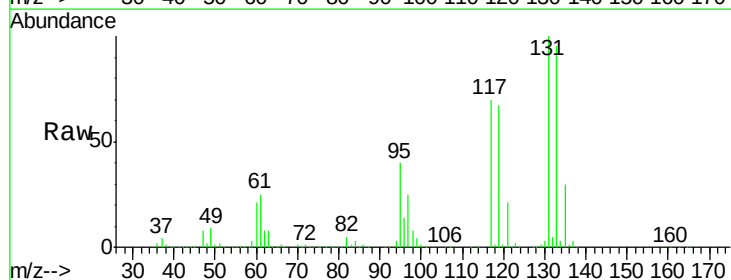
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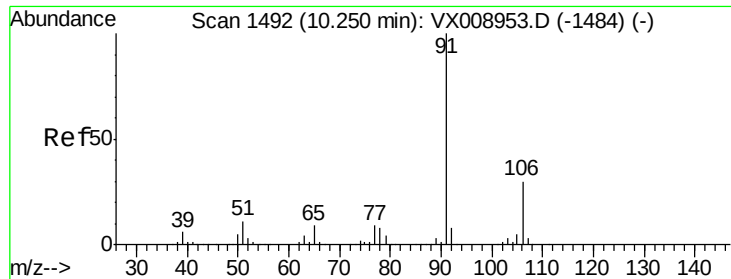
MMDadoda
4/16/2019 10:53:07 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 154.441 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Tgt Ion:131 Resp: 344590
Ion Ratio Lower Upper
131 100
133 95.0 48.0 144.2
119 66.8 33.7 101.1





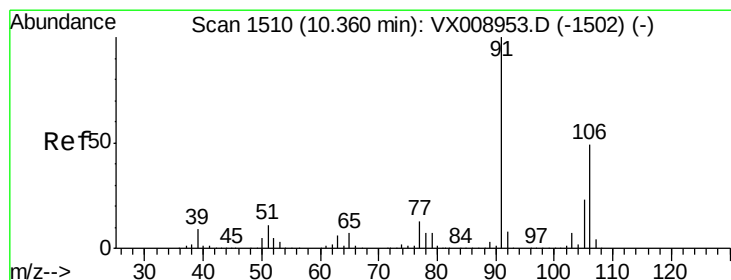
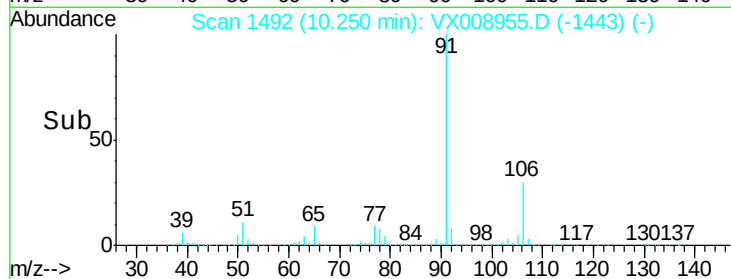
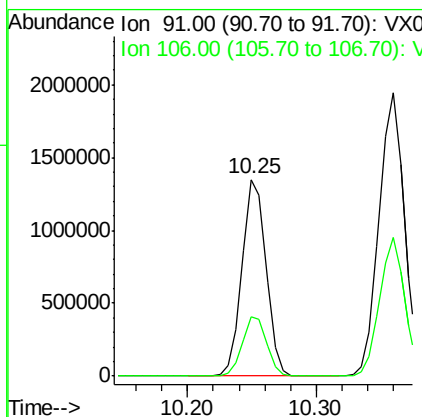
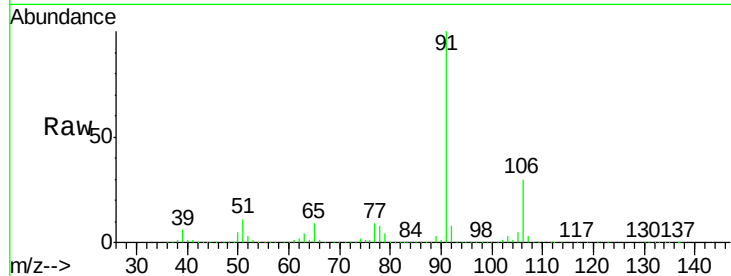
#67
Ethyl Benzene
Concen: 146.896 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1737869
Ion Ratio Lower Upper
91 100
106 30.0 24.3 36.5

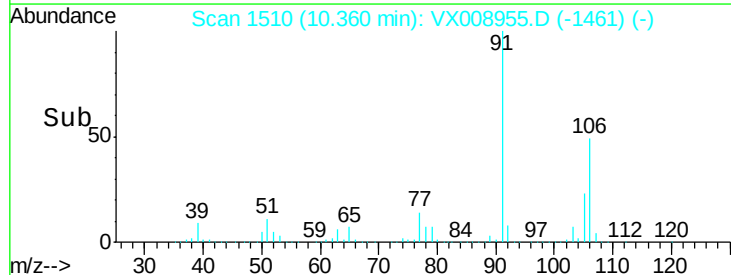
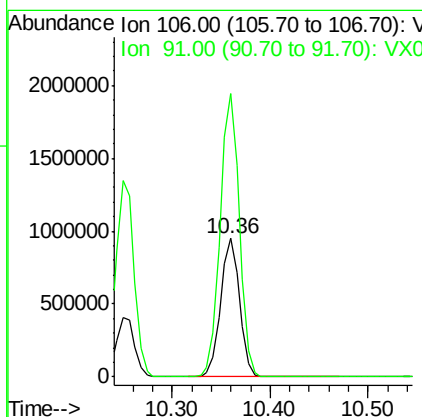
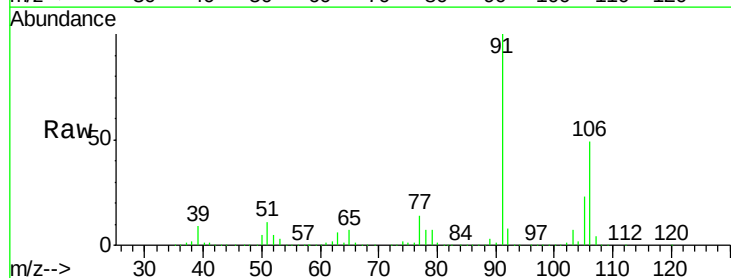
Manual Integrations
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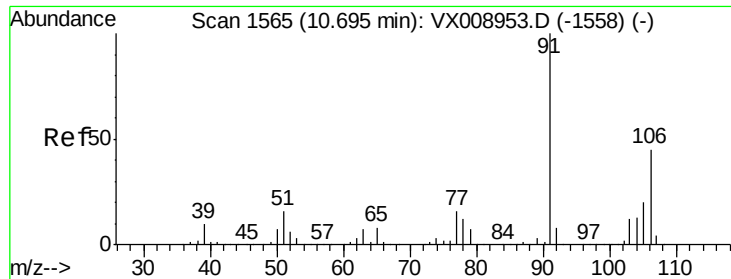
MMDadoda
4/16/2019 10:53:07 AM



#68
m/p-Xylenes
Concen: 298.863 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Tgt Ion: 106 Resp: 1273112
Ion Ratio Lower Upper
106 100
91 206.8 165.4 248.2





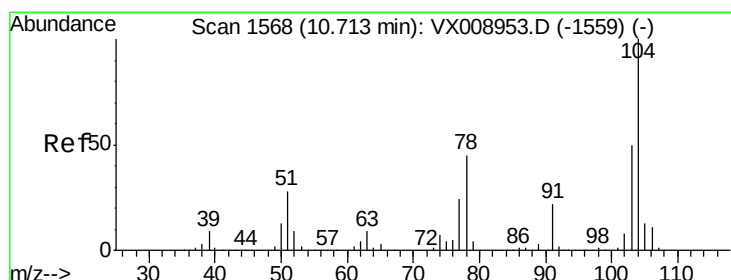
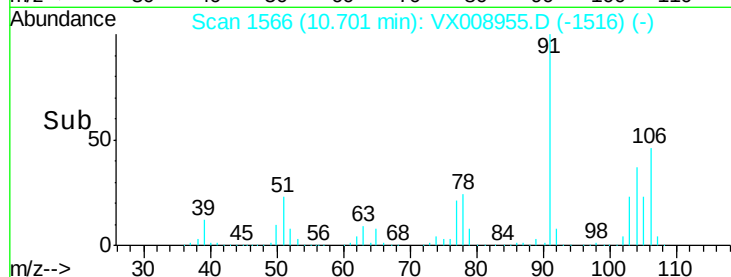
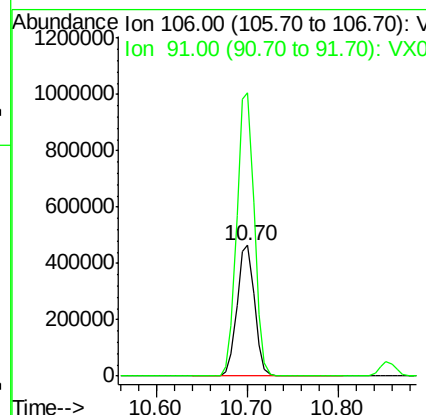
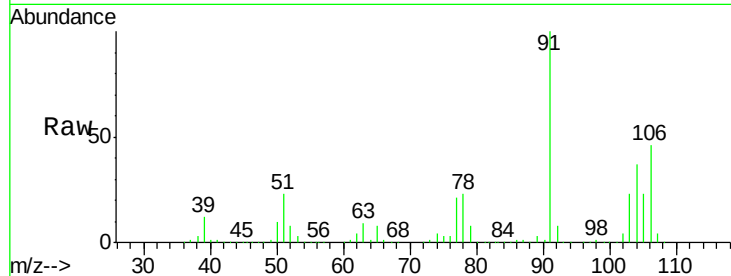
#69
o-Xylene
Concen: 149.140 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 615858
Ion Ratio Lower Upper
106 100
91 218.0 108.9 326.7

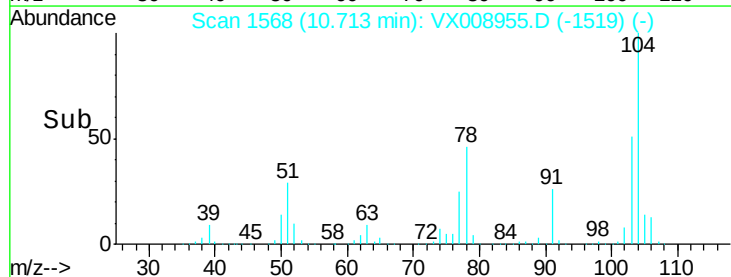
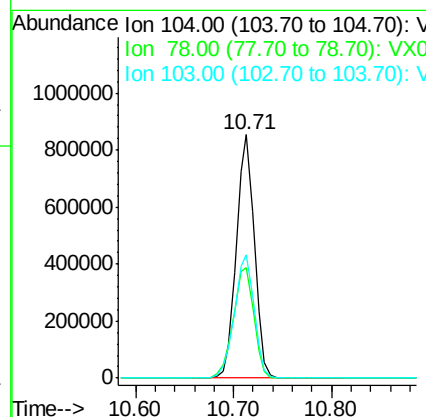
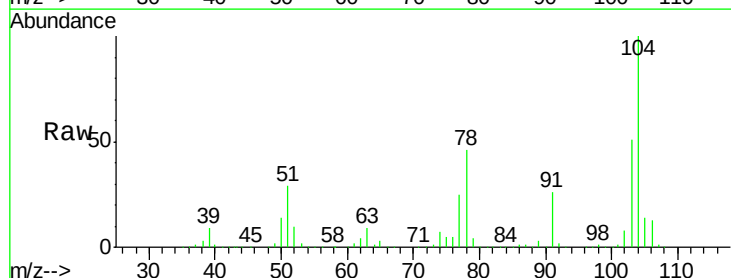
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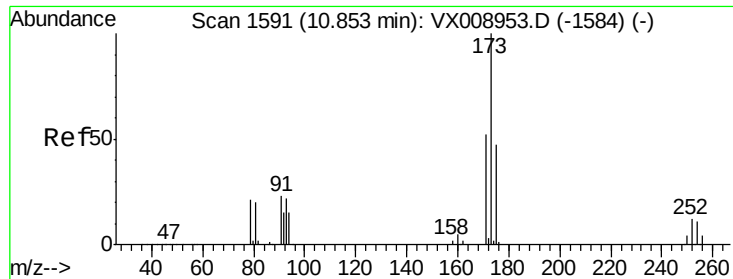
MMDadoda
4/16/2019 10:53:07 AM



#70
Styrene
Concen: 153.442 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Tgt Ion:104 Resp: 1092320
Ion Ratio Lower Upper
104 100
78 52.2 41.2 61.8
103 55.3 43.9 65.9





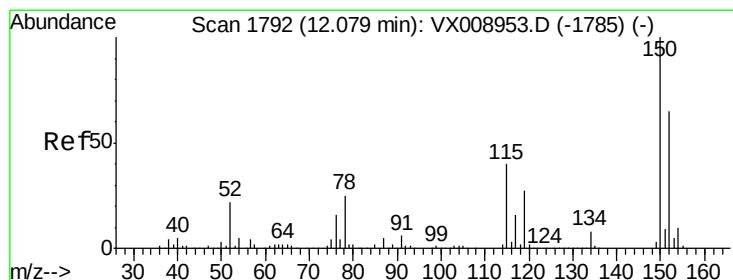
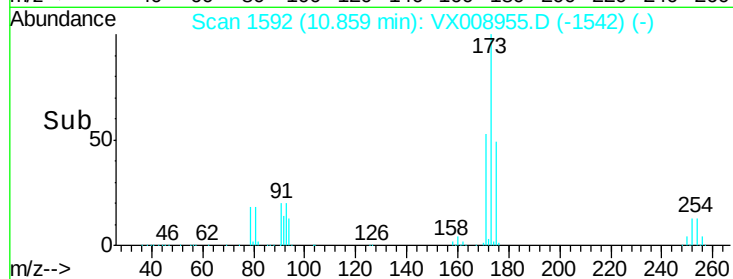
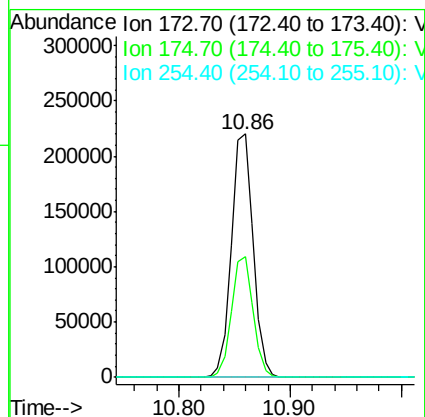
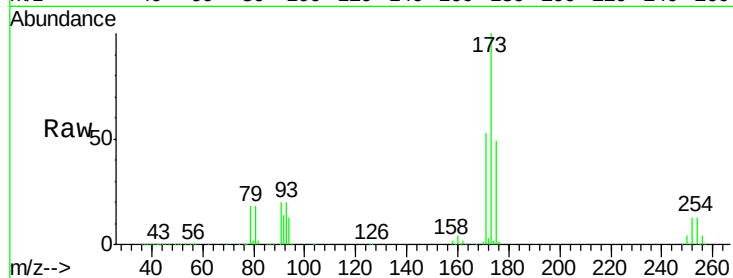
#71
Bromoform
Concen: 173.601 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.01 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	23.9	71.8
254	0.2	0.2	0.4

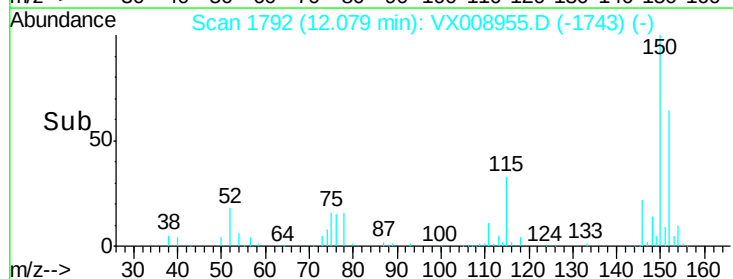
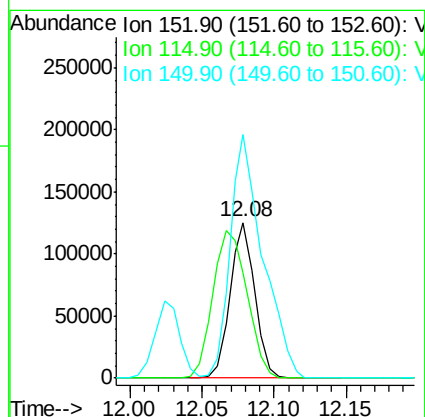
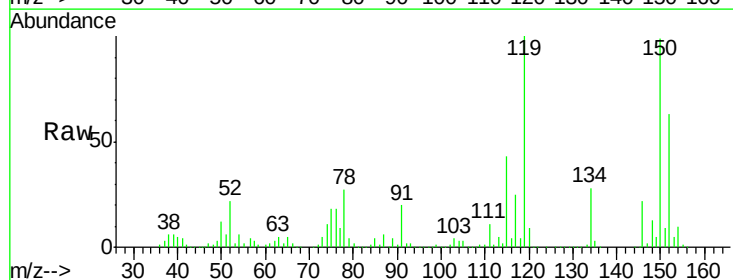
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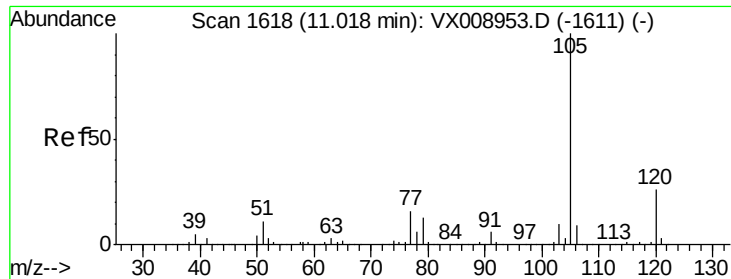
MMDadoda
4/16/2019 10:53:07 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	130.6	41.4	124.2
150	205.8	0.0	349.8





#73

Isopropylbenzene

Concen: 133.592 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1633685

Ion Ratio Lower Upper

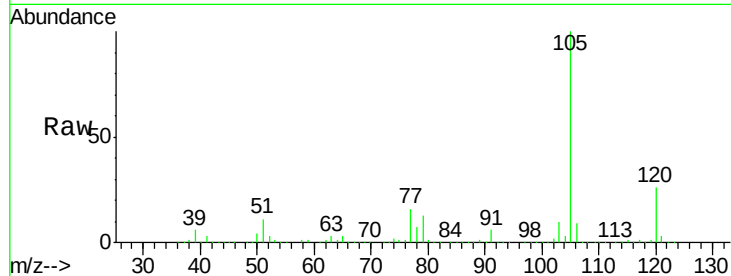
105 100

120 26.0 12.9 38.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

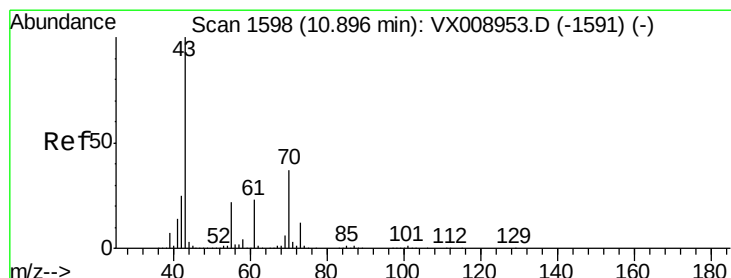
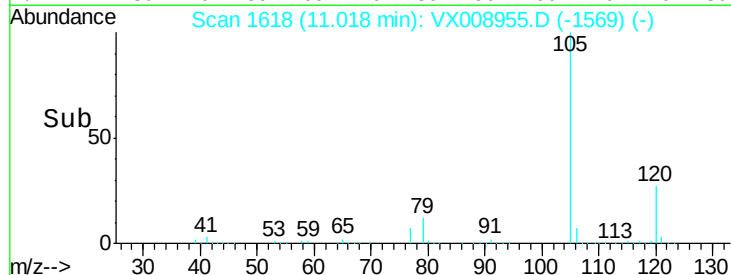
1500000

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 141.199 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

Tgt Ion: 43 Resp: 1015198

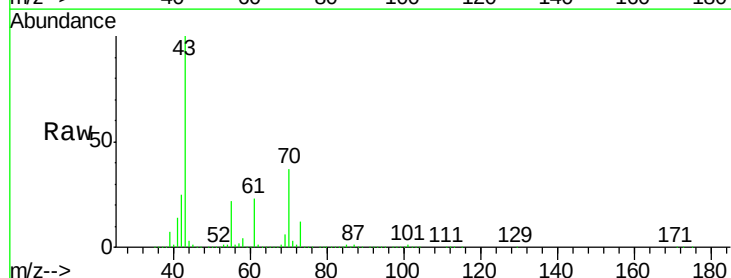
Ion Ratio Lower Upper

43 100

70 37.4 29.9 44.9

55 22.0 17.8 26.8

61 22.9 18.3 27.5



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

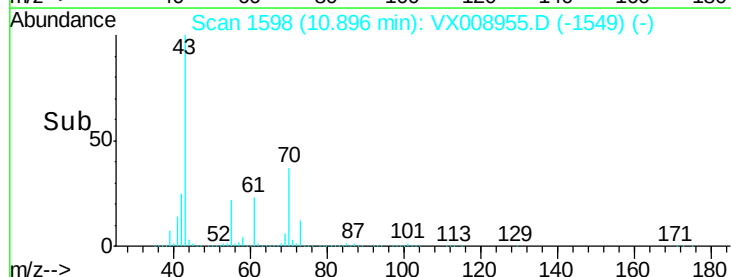
10.90

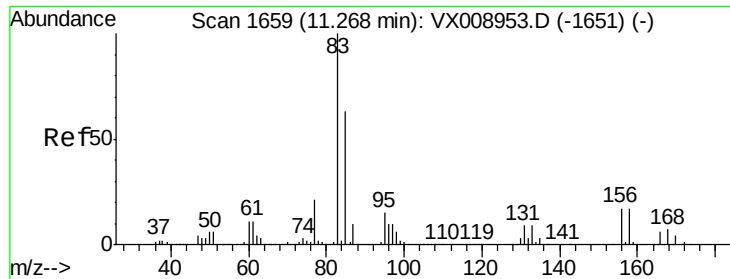
1000000

500000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 130.286 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 604316

Ion Ratio Lower Upper

83 100

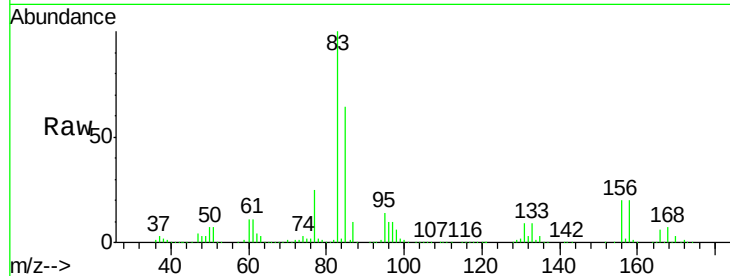
131 9.4 4.7 14.0

85 64.3 31.9 95.9

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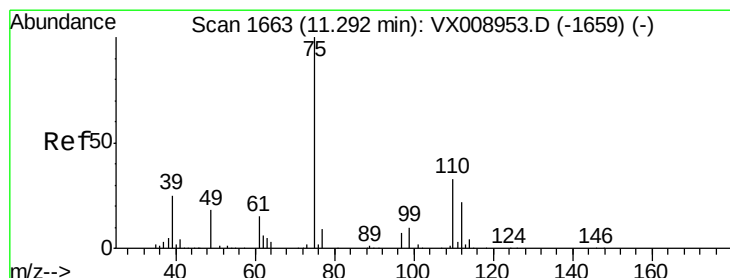
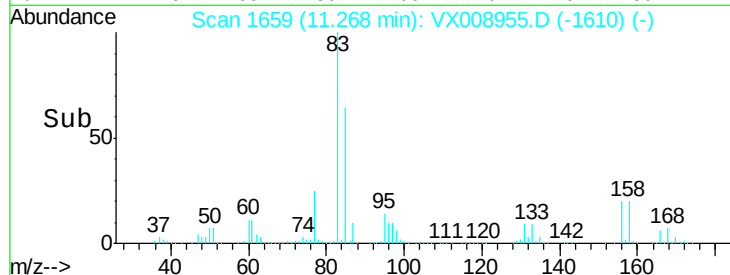
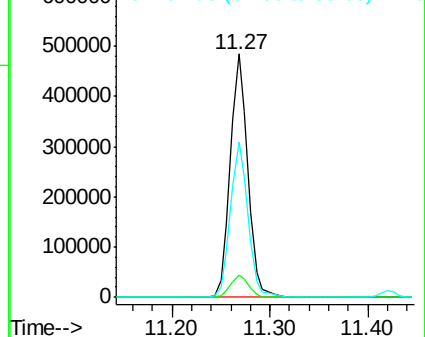
4/16/2019 10:53:07 AM



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: 121.886 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VX008955.D

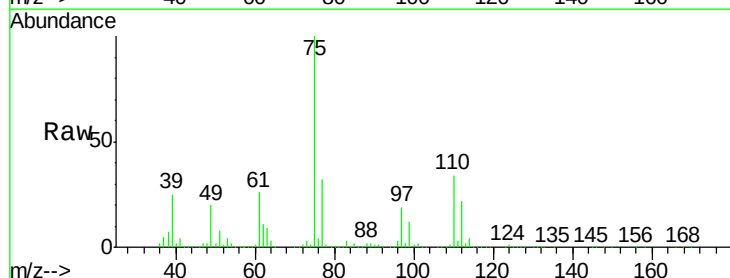
Acq: 15 Apr 2019 11:55

Tgt Ion: 75 Resp: 493822

Ion Ratio Lower Upper

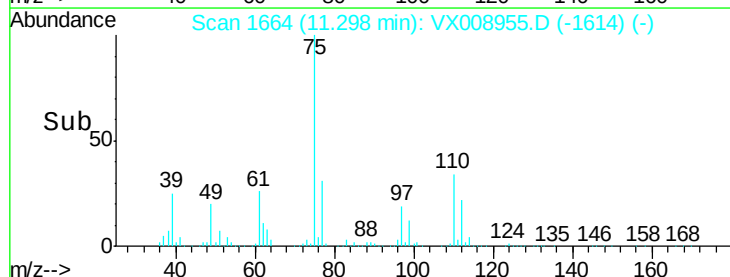
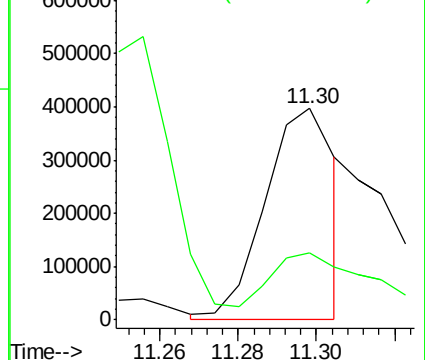
75 100

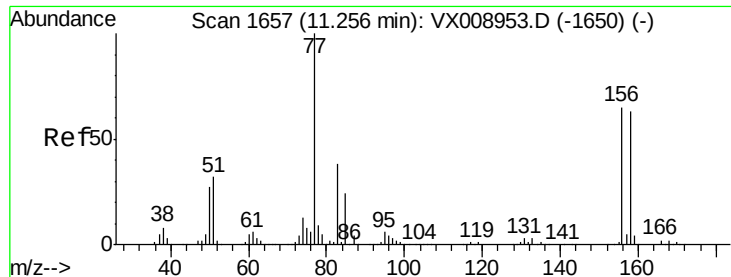
77 46.6 22.7 68.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 138.171 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 408488

Ion Ratio Lower Upper

156 100

77 172.8 85.4 256.1

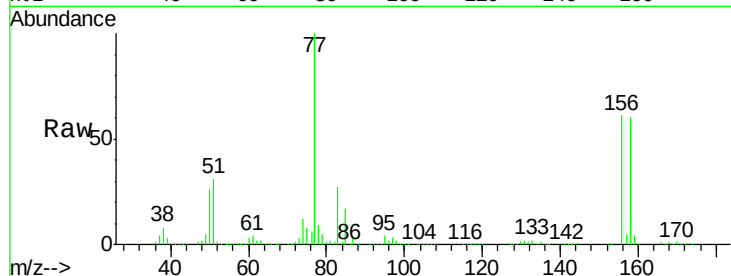
158 97.2 48.8 146.4

Manual Integrations

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MMDadoda

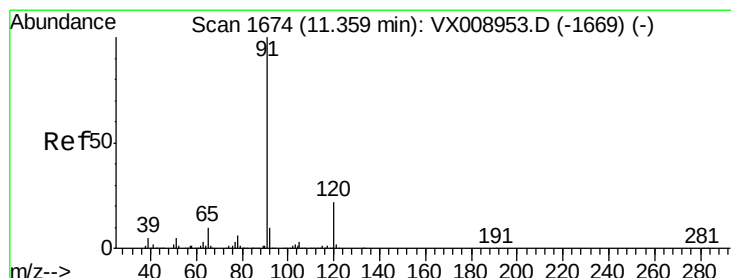
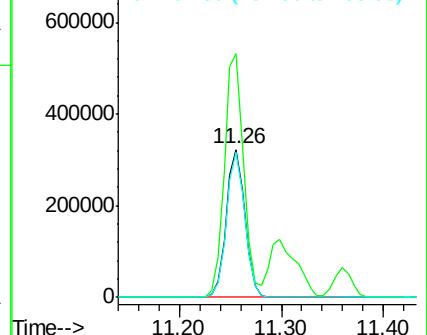
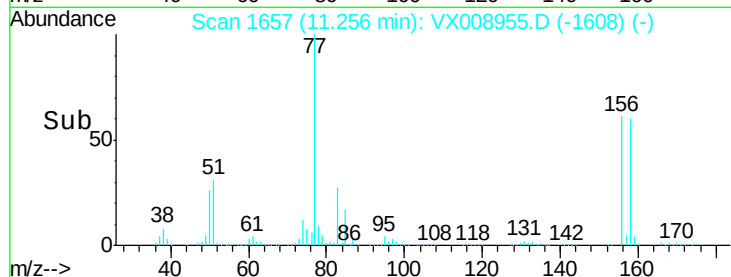
4/16/2019 10:53:07 AM



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: 136.302 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008955.D

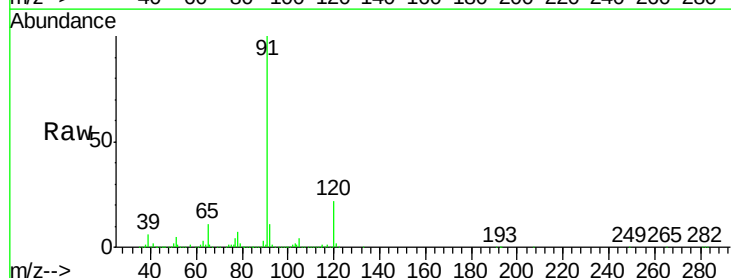
Acq: 15 Apr 2019 11:55

Tgt Ion: 91 Resp: 1939782

Ion Ratio Lower Upper

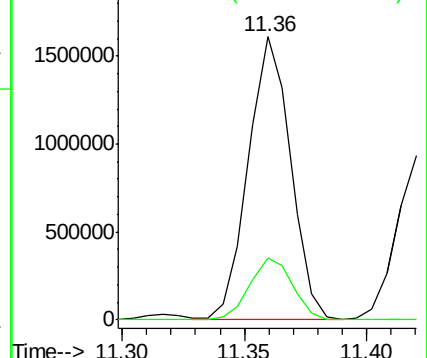
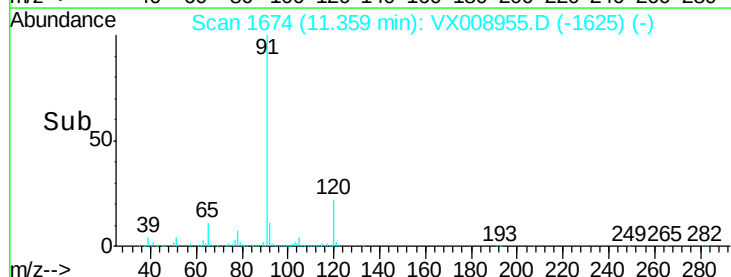
91 100

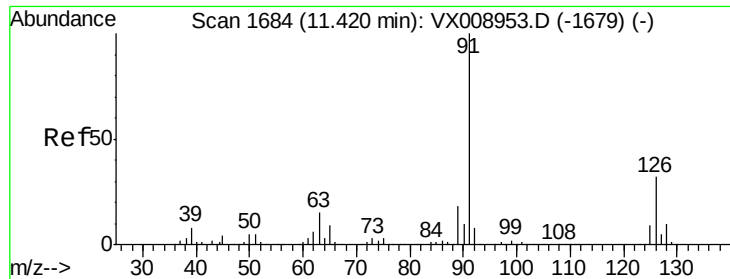
120 22.3 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 131.947 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1135827

Ion Ratio Lower Upper

91 100

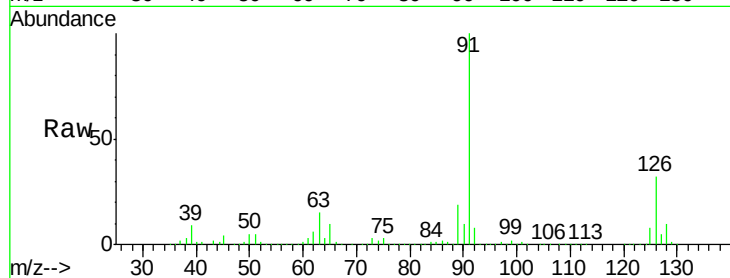
126 32.5 16.3 48.9

Manual Integrations

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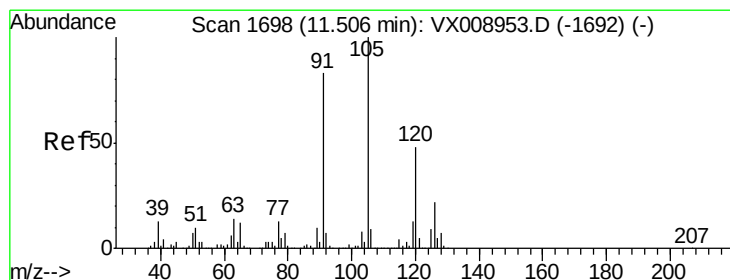
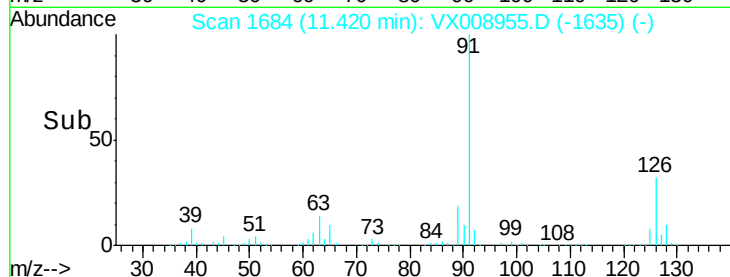
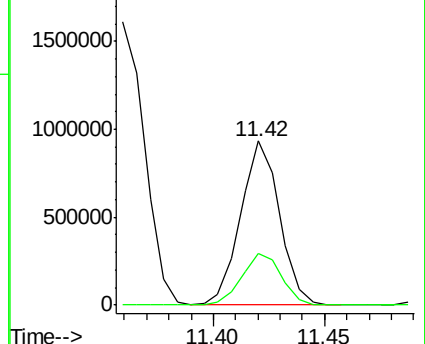
MMDadoda

4/16/2019 10:53:07 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: 138.078 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008955.D

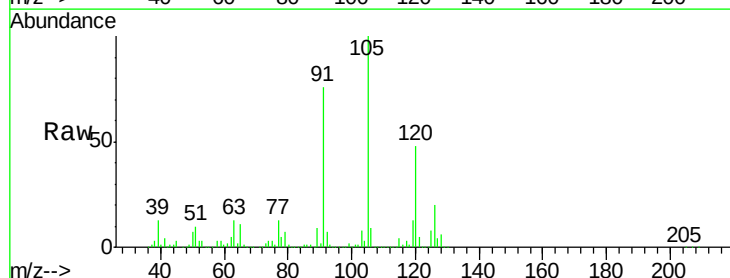
Acq: 15 Apr 2019 11:55

Tgt Ion:105 Resp: 1415106

Ion Ratio Lower Upper

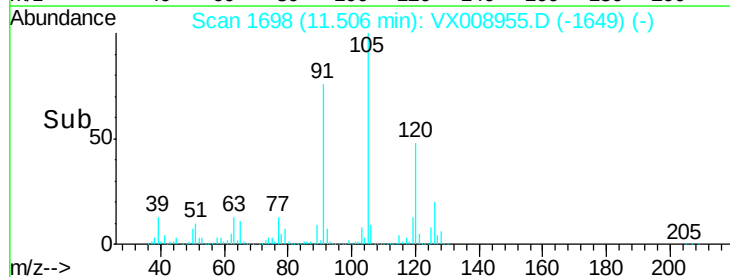
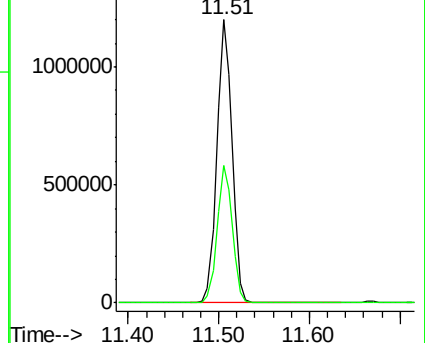
105 100

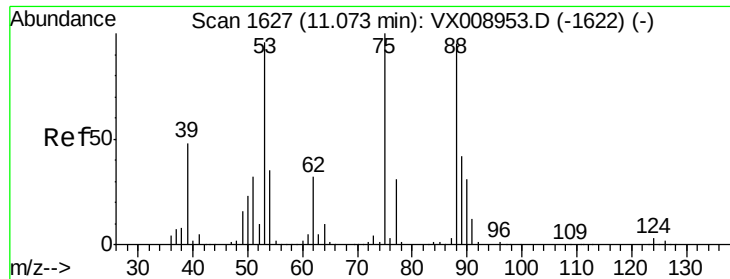
120 48.2 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





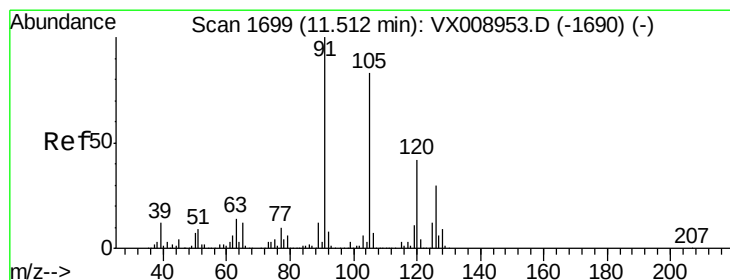
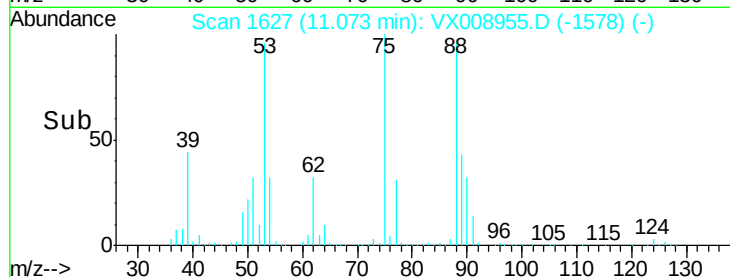
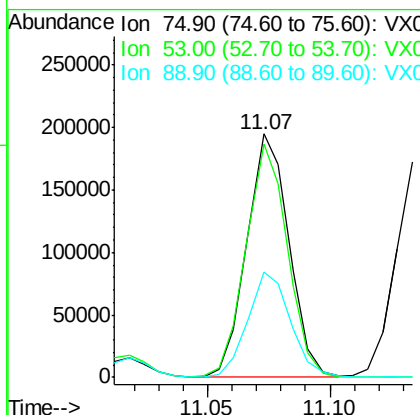
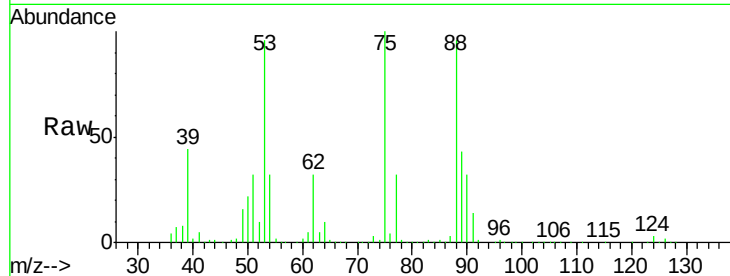
#81
trans-1,4-Dichloro-2-butene
Concen: 157.539 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.9	78.2	117.4
89	44.4	36.0	54.0

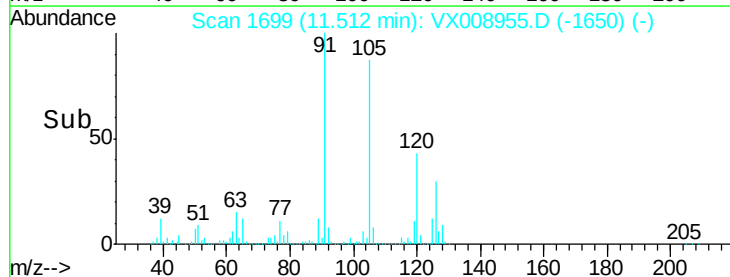
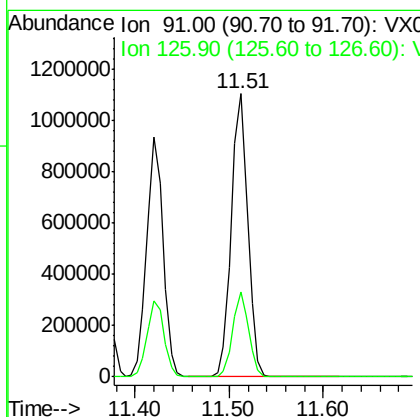
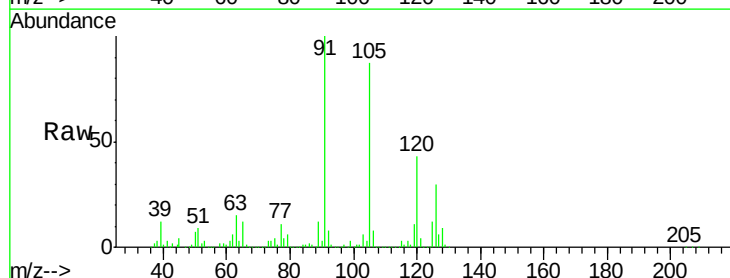
Manual Integrations
APPROVED

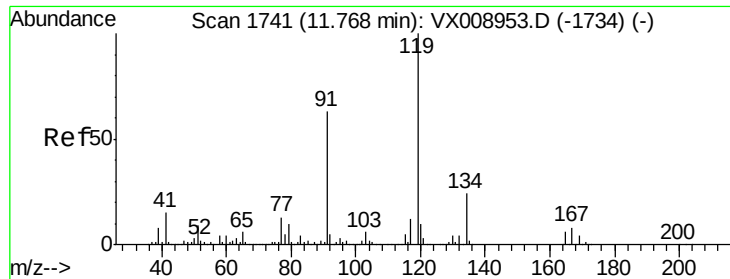
MMDadoda
4/16/2019 10:53:07 AM



#82
4-Chlorotoluene
Concen: 135.183 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.0	14.3	42.9





#83

tert-Butylbenzene

Concen: 140.259 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion:119 Resp: 1384524

Ion Ratio Lower Upper

119 100

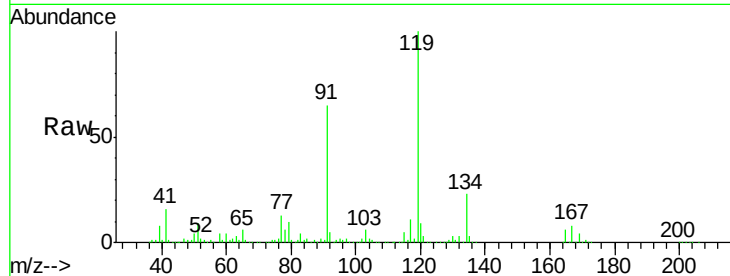
91 57.5 29.7 89.1

134 21.7 11.2 33.5

Manual Integrations
APPROVED

MMDadoda

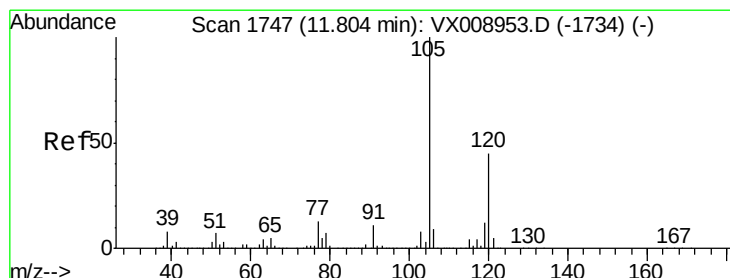
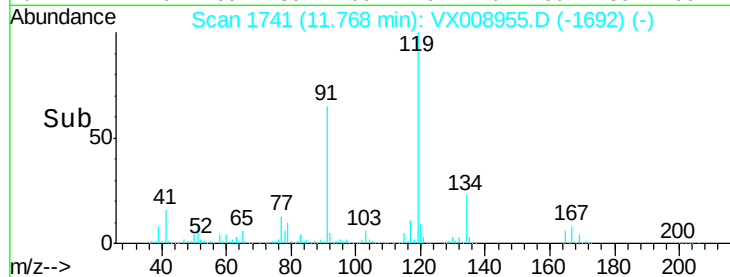
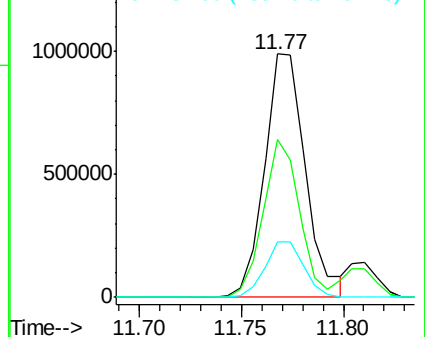
4/16/2019 10:53:07 AM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 138.282 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX008955.D

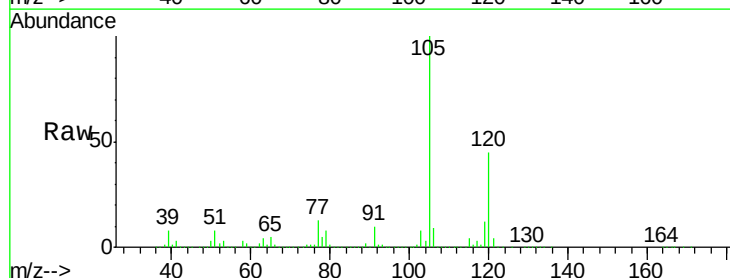
Acq: 15 Apr 2019 11:55

Tgt Ion:105 Resp: 1435705

Ion Ratio Lower Upper

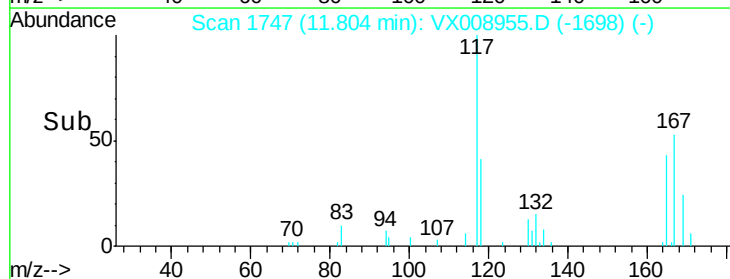
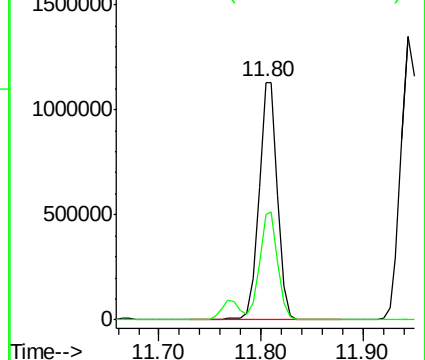
105 100

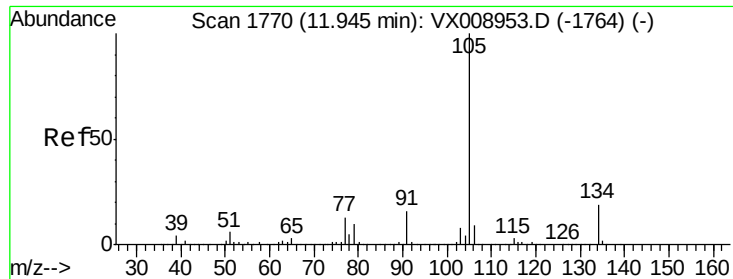
120 44.4 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 138.996 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 1629972

Ion Ratio Lower Upper

105 100

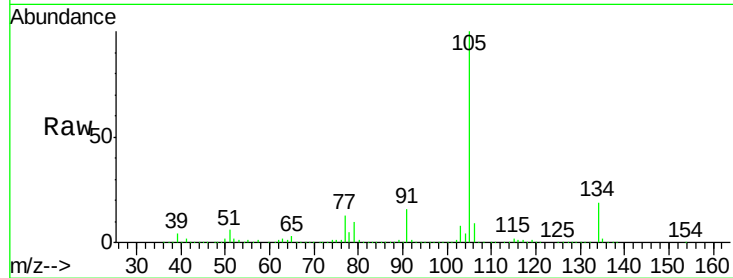
134 19.6 9.6 28.6

Manual Integrations

APPROVED

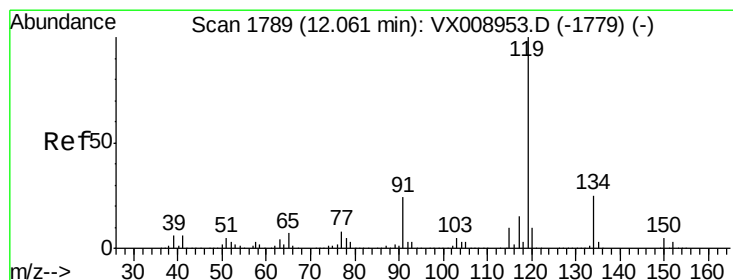
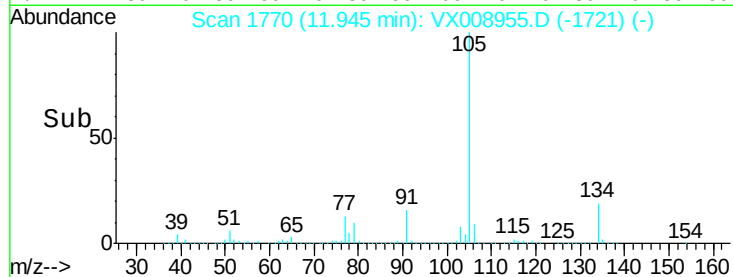
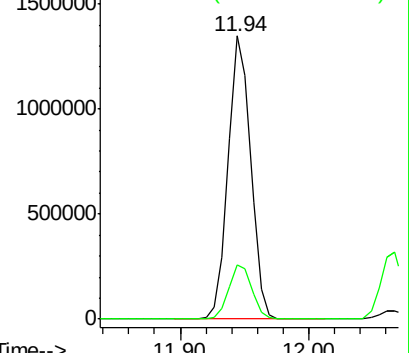
MMDadoda

4/16/2019 10:53:07 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 142.628 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

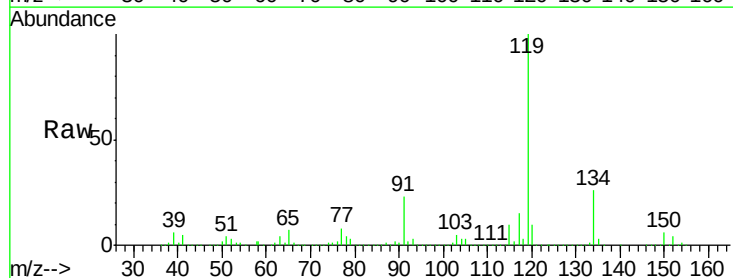
Tgt Ion:119 Resp: 1505834

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.6

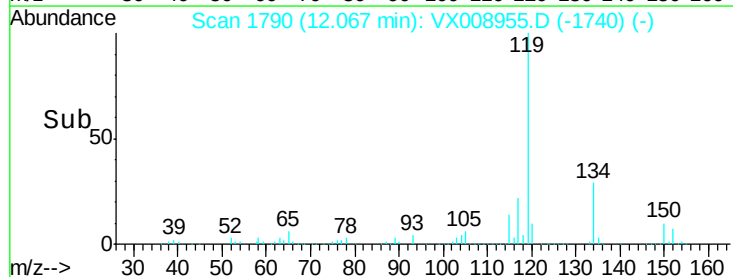
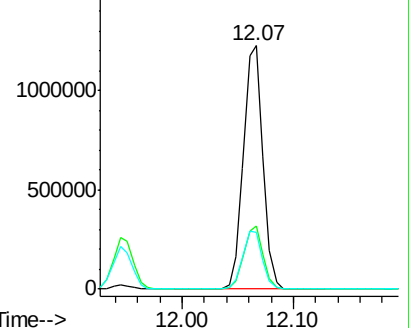
91 23.9 11.9 35.5

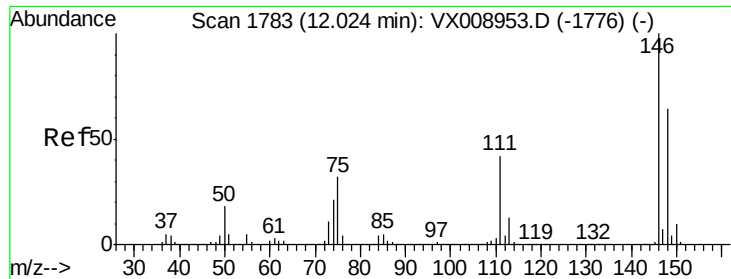


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





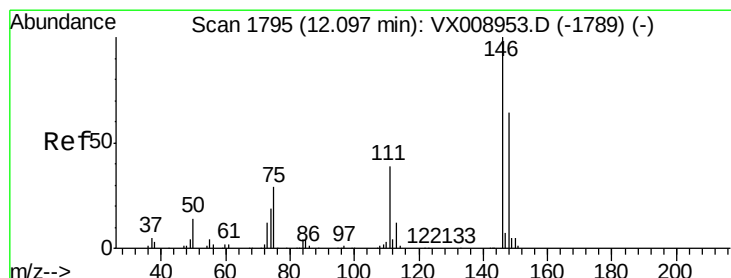
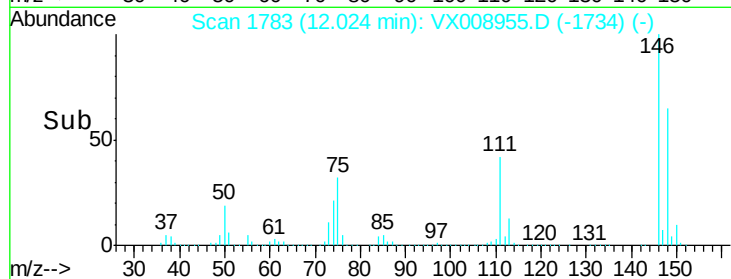
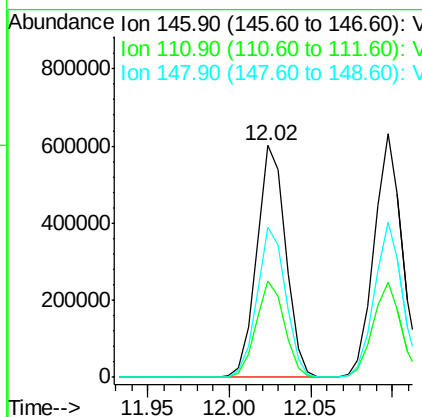
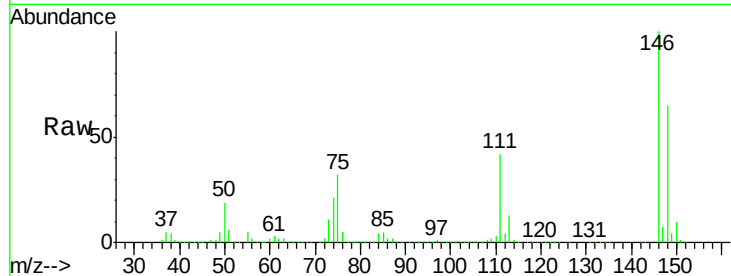
#87
 1,3-Dichlorobenzene
 Concen: 140.850 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008955.D
 Acq: 15 Apr 2019 11:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.5	61.6
148	64.0	32.2	96.6

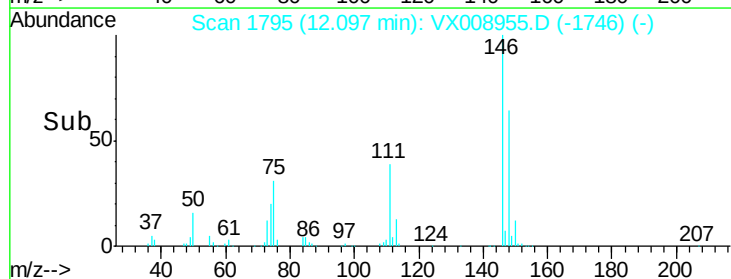
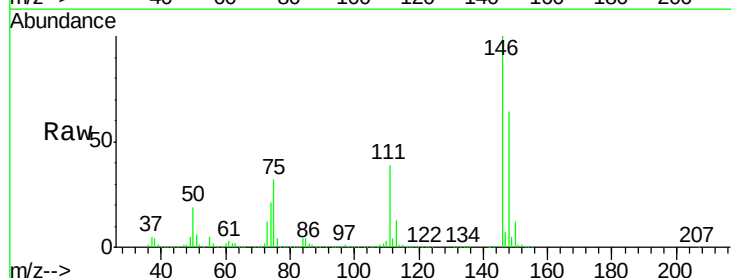
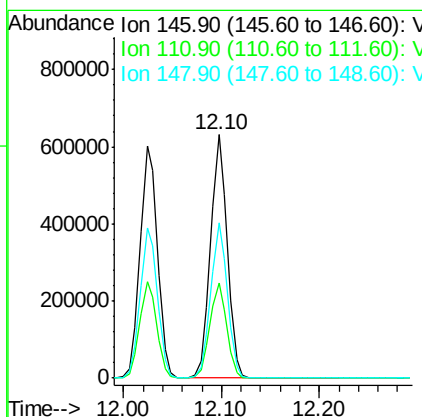
Manual Integrations
 APPROVED

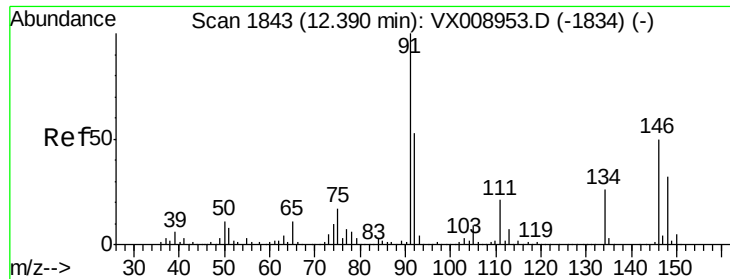
MMDadoda
 4/16/2019 10:53:07 AM



#88
 1,4-Dichlorobenzene
 Concen: 139.470 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008955.D
 Acq: 15 Apr 2019 11:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.0	59.9
148	63.7	32.2	96.6





#89

n-Butylbenzene

Concen: 146.602 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX008955.D

Acq: 15 Apr 2019 11:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1450017

Ion Ratio Lower Upper

91 100

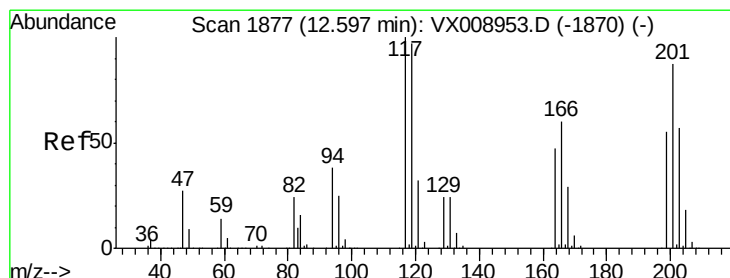
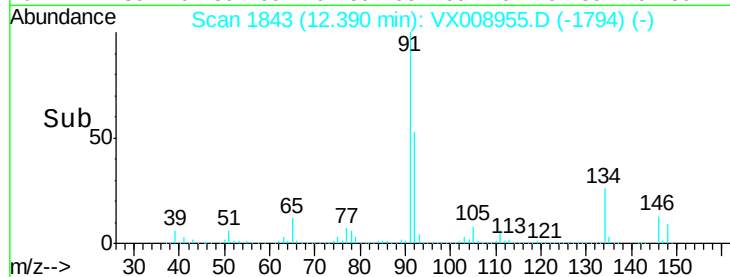
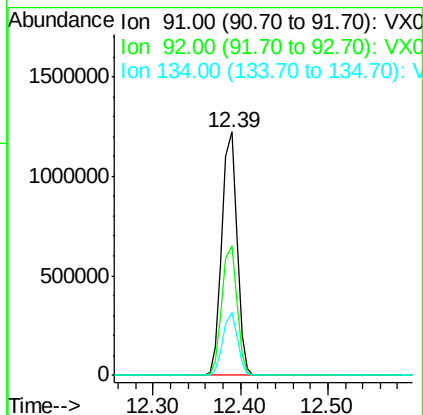
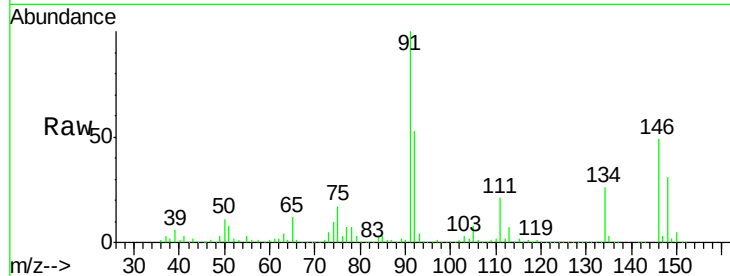
92 53.2 26.6 79.8

134 25.0 12.4 37.2

Manual Integrations
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MMDadoda

4/16/2019 10:53:07 AM



#90

Hexachloroethane

Concen: 151.062 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX008955.D

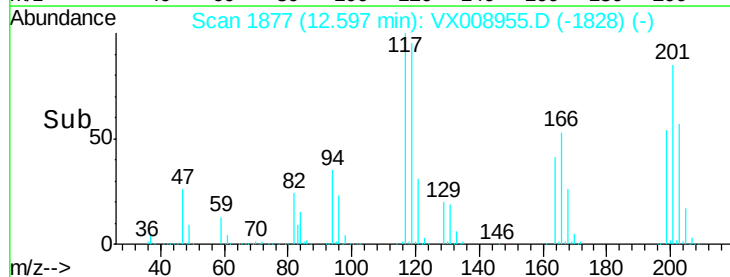
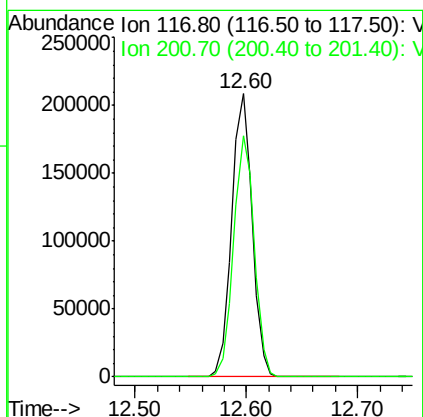
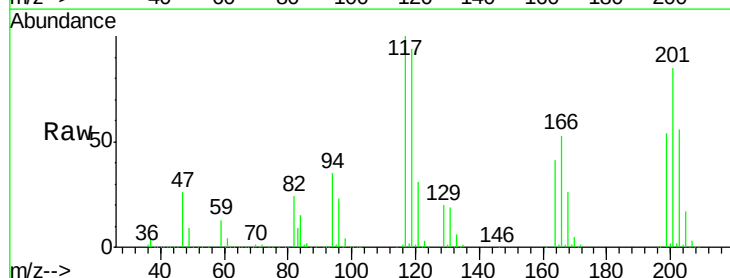
Acq: 15 Apr 2019 11:55

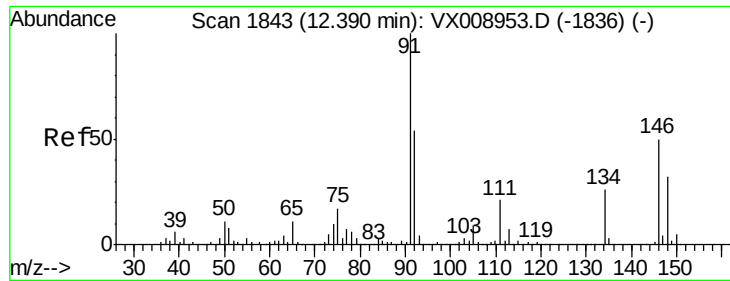
Tgt Ion: 117 Resp: 264780

Ion Ratio Lower Upper

117 100

201 85.8 43.0 129.0





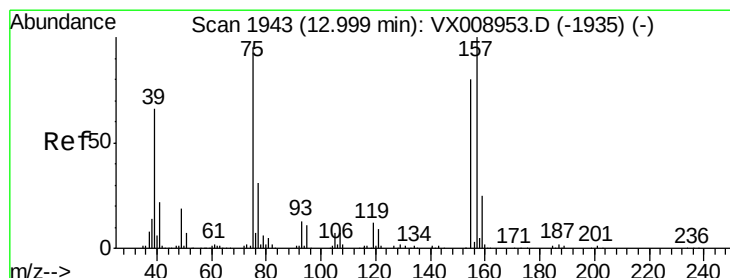
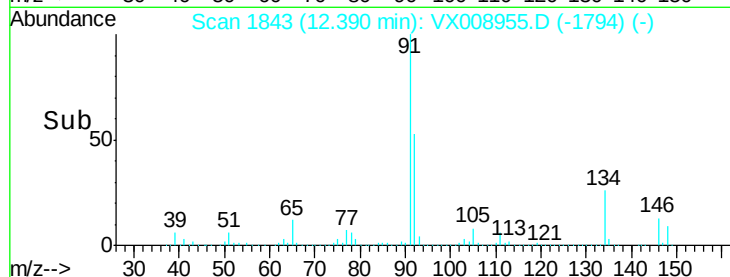
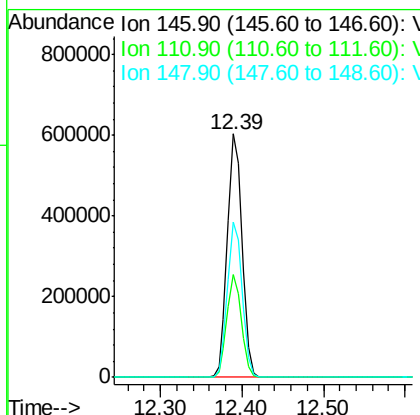
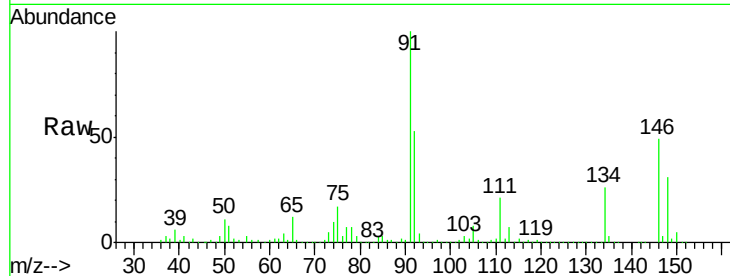
#91
 1,2-Dichlorobenzene
 Concen: 142.482 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008955.D
 Acq: 15 Apr 2019 11:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.6	61.9
148	63.7	32.0	96.2

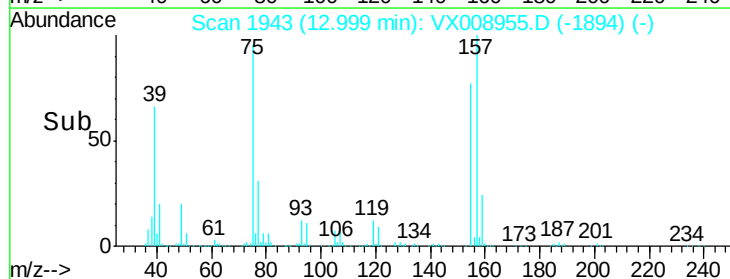
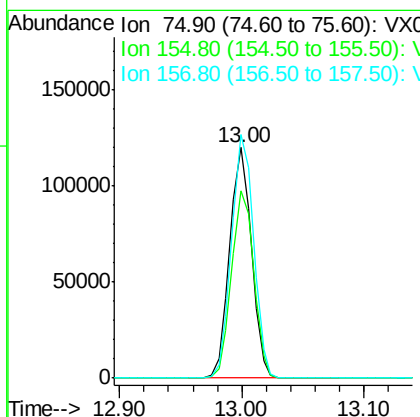
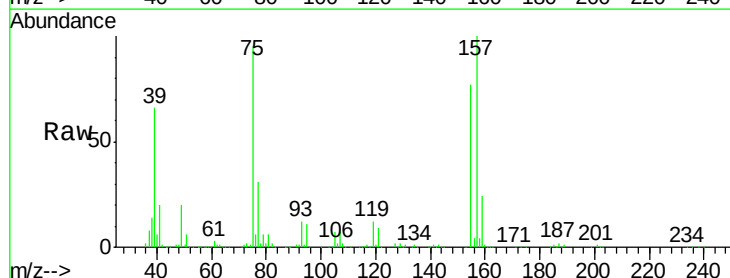
Manual Integrations
 APPROVED

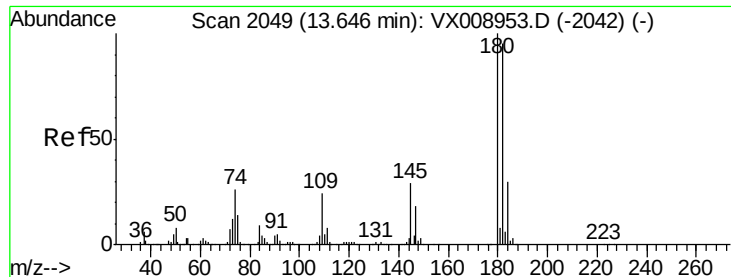
MMDadoda
 4/16/2019 10:53:07 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 143.819 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008955.D
 Acq: 15 Apr 2019 11:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.6	41.2	123.6
157	106.7	52.5	157.6





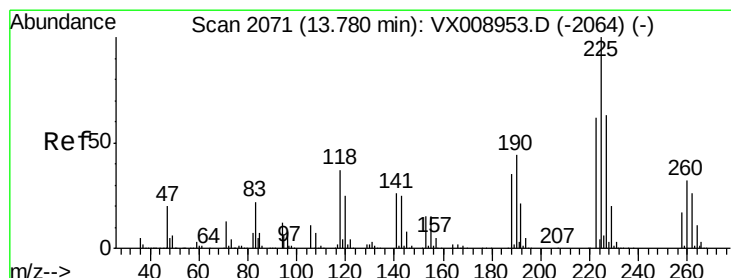
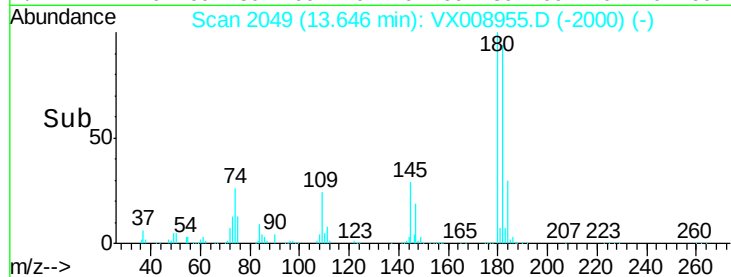
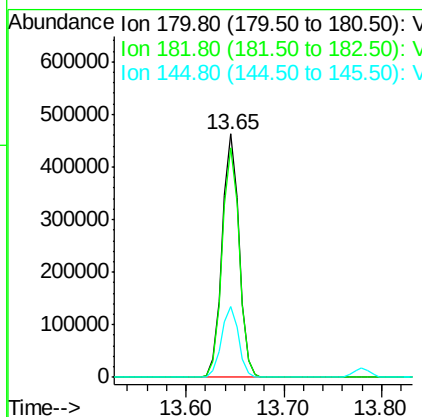
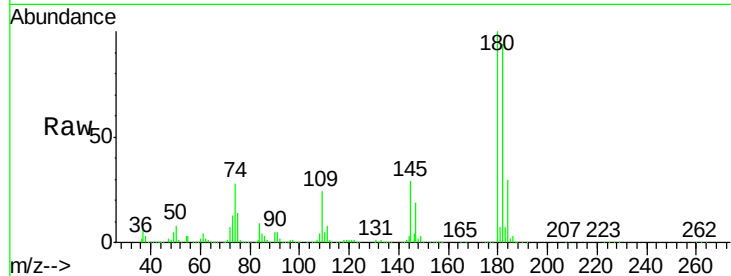
#93
 1,2,4-Trichlorobenzene
 Concen: 150.335 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008955.D
 Acq: 15 Apr 2019 11:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	47.6	142.9	
145	29.4	14.8	44.4	

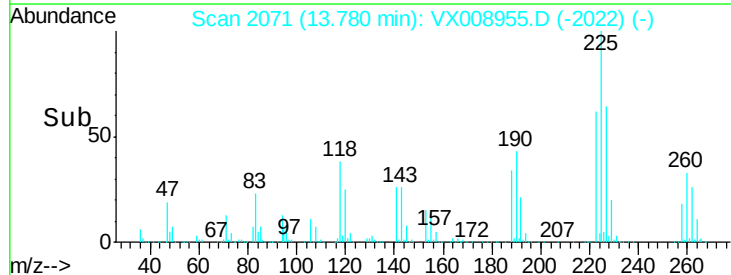
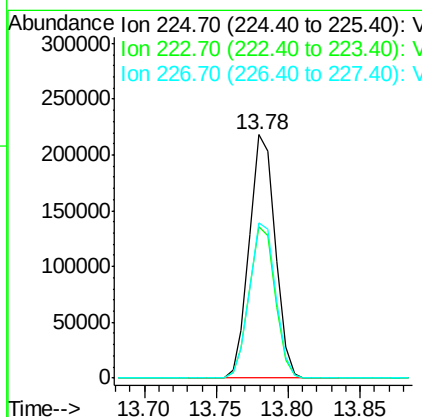
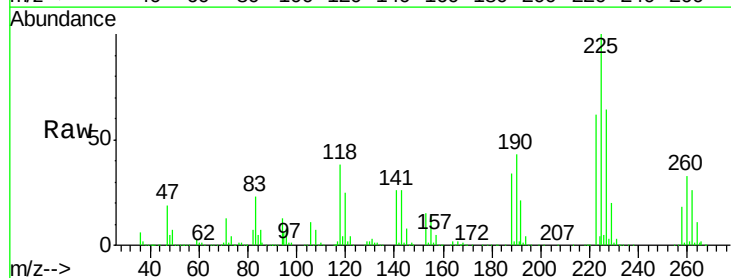
Manual Integrations
 APPROVED

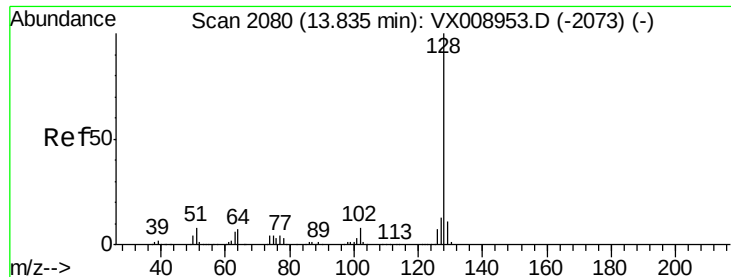
MMDadoda
 4/16/2019 10:53:07 AM



#94
 Hexachlorobutadiene
 Concen: 153.130 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008955.D
 Acq: 15 Apr 2019 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.3	31.1	93.2	
227	64.5	32.0	96.2	





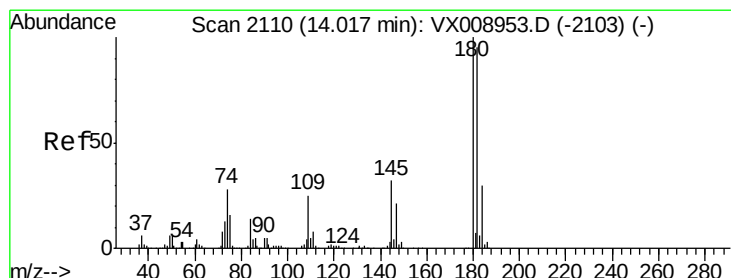
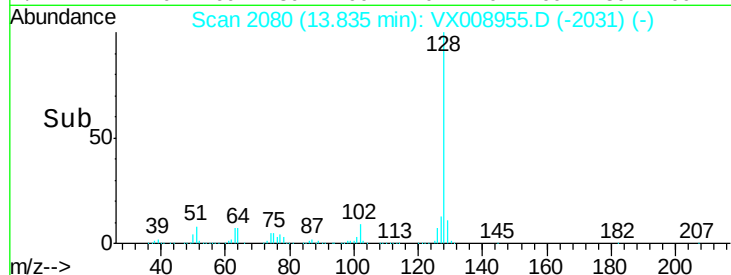
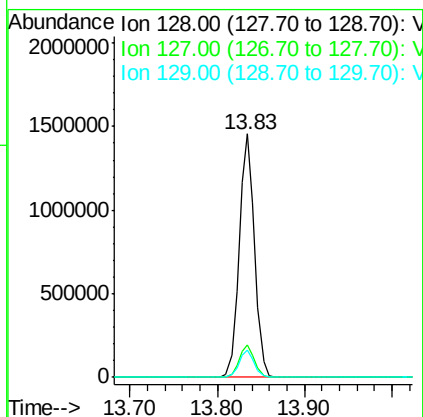
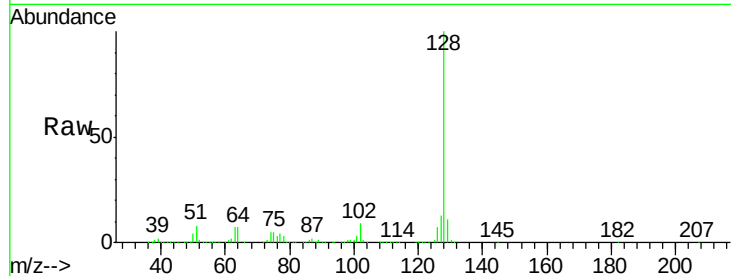
#95
Naphthalene
Concen: 145.904 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/16/2019 10:53:07 AM



#96
1,2,3-Trichlorobenzene
Concen: 148.500 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008955.D
Acq: 15 Apr 2019 11:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.8	143.4
145	31.1	15.8	47.3

