

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032519\
 Data File : VX008414.D
 Acq On : 25 Mar 2019 15:40
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 9:46:45 AM

Quant Time: Mar 26 04:35:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 04:13:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	208049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	360117	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	329917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	159725	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	460792	146.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.78%	
35) Dibromofluoromethane	5.50	113	346670	148.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.72%	
50) Toluene-d8	8.72	98	1391856	150.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	300.68%	
62) 4-Bromofluorobenzene	11.14	95	526269	153.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	337071	143.836	ug/l	99
3) Chloromethane	1.32	50	465752	134.793	ug/l	100
4) Vinyl Chloride	1.41	62	473667	139.769	ug/l	99
5) Bromomethane	1.64	94	285053	137.163	ug/l	99
6) Chloroethane	1.70	64	282098	140.434	ug/l	98
7) Trichlorofluoromethane	1.91	101	538223	140.048	ug/l	98
8) Diethyl Ether	2.19	74	254875	138.184	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	329600	144.350	ug/l	100
10) Methyl Iodide	2.50	142	366567	133.081	ug/l	99
11) Tert butyl alcohol	3.08	59	510638	723.126	ug/l	100
12) 1,1-Dichloroethene	2.36	96	339077	143.347	ug/l	97
13) Acrolein	2.29	56	363510	632.082	ug/l	100
14) Allyl chloride	2.72	41	773340	148.295	ug/l	99
15) Acrylonitrile	3.15	53	1301336	724.008	ug/l	100
16) Acetone	2.45	43	1134098	715.537	ug/l	98
17) Carbon Disulfide	2.56	76	1041830	138.134	ug/l	99
18) Methyl Acetate	2.78	43	551396	139.980	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	1272673	149.567	ug/l	98
20) Methylene Chloride	2.85	84	402045	140.847	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	363648	142.484	ug/l	98
22) Diisopropyl ether	3.86	45	1522847	149.721	ug/l	91
23) Vinyl Acetate	3.82	43	6792066	757.177	ug/l	99
24) 1,1-Dichloroethane	3.70	63	755189	145.764	ug/l	99
25) 2-Butanone	4.68	43	1914476	737.214	ug/l	100
26) 2,2-Dichloropropane	4.58	77	538573	160.246	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	425609	145.512	ug/l	99
28) Bromochloromethane	5.02	49	341426	133.943	ug/l	100
29) Tetrahydrofuran	5.13	42	1240509	722.912	ug/l	99
30) Chloroform	5.21	83	682457	146.005	ug/l	99
31) Cyclohexane	5.57	56	714153	144.011	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	573611	154.778	ug/l	99
36) 1,1-Dichloropropene	5.80	75	543606	147.958	ug/l	99
37) Ethyl Acetate	4.84	43	731763	147.782	ug/l	100
38) Carbon Tetrachloride	5.78	117	480797	152.278	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	672059	149.118	ug/l	99
40) Benzene	6.14	78	1635058	145.952	ug/l	100
41) Methacrylonitrile	5.05	41	409606	151.433	ug/l	99
42) 1,2-Dichloroethane	6.19	62	582786	143.324	ug/l	99
43) Isopropyl Acetate	6.45	43	1218155	157.556	ug/l	100
44) Trichloroethene	7.21	130	383779	147.400	ug/l	100
45) 1,2-Dichloropropane	7.51	63	468095	147.584	ug/l	99
46) Dibromomethane	7.66	93	275197	146.500	ug/l	99
47) Bromodichloromethane	7.90	83	560747	156.229	ug/l	99
48) Methyl methacrylate	7.77	41	615860	157.330	ug/l	99
49) 1,4-Dioxane	7.74	88	209026	2645.146	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	3779987	742.115	ug/l	99
52) Toluene	8.79	92	996297	151.300	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	677864	175.294	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	721348	165.103	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	410770	150.196	ug/l	99
56) Ethyl methacrylate	9.18	69	778417	160.544	ug/l	100
57) 1,3-Dichloropropane	9.37	76	733348	150.804	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	2050873	791.740	ug/l	100
59) 2-Hexanone	9.49	43	2889309	735.209	ug/l	100
60) Dibromochloromethane	9.58	129	428691	168.685	ug/l	99
61) 1,2-Dibromoethane	9.67	107	431471	155.629	ug/l	99
64) Tetrachloroethene	9.33	164	311327	144.200	ug/l	97
65) Chlorobenzene	10.14	112	1040711	150.011	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	379697	157.721	ug/l	99
67) Ethyl Benzene	10.25	91	1966128	151.045	ug/l	100
68) m/p-Xylenes	10.36	106	1436080	307.075	ug/l	99
69) o-Xylene	10.70	106	698815	152.802	ug/l	99
70) Styrene	10.71	104	1236017	155.794	ug/l	100
71) Bromoform	10.86	173	324030	173.622	ug/l #	100
73) Isopropylbenzene	11.02	105	1846491	146.459	ug/l	100
74) N-amyl acetate	10.90	43	1120084	151.746	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	695098	138.744	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	658638m	157.457	ug/l	
77) Bromobenzene	11.26	156	440421	147.108	ug/l	100
78) n-propylbenzene	11.36	91	2191419	148.406	ug/l	100
79) 2-Chlorotoluene	11.42	91	1284558	142.390	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1587677	147.986	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	257330	175.796	ug/l	95
82) 4-Chlorotoluene	11.51	91	1527224	147.179	ug/l	99
83) tert-Butylbenzene	11.77	119	1546750	151.786	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1581408	147.519	ug/l	99
85) sec-Butylbenzene	11.94	105	1821881	148.639	ug/l	100
86) p-Isopropyltoluene	12.07	119	1641963	151.990	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	796735	148.307	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	798332	145.847	ug/l	100
89) n-Butylbenzene	12.39	91	1630022	158.192	ug/l	99
90) Hexachloroethane	12.60	117	296777	165.968	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	797653	146.250	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	158232	148.439	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	560225	151.971	ug/l	100
94) Hexachlorobutadiene	13.78	225	265550	152.579	ug/l	100
95) Naphthalene	13.83	128	1870376	145.653	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	552662	149.258	ug/l	99

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

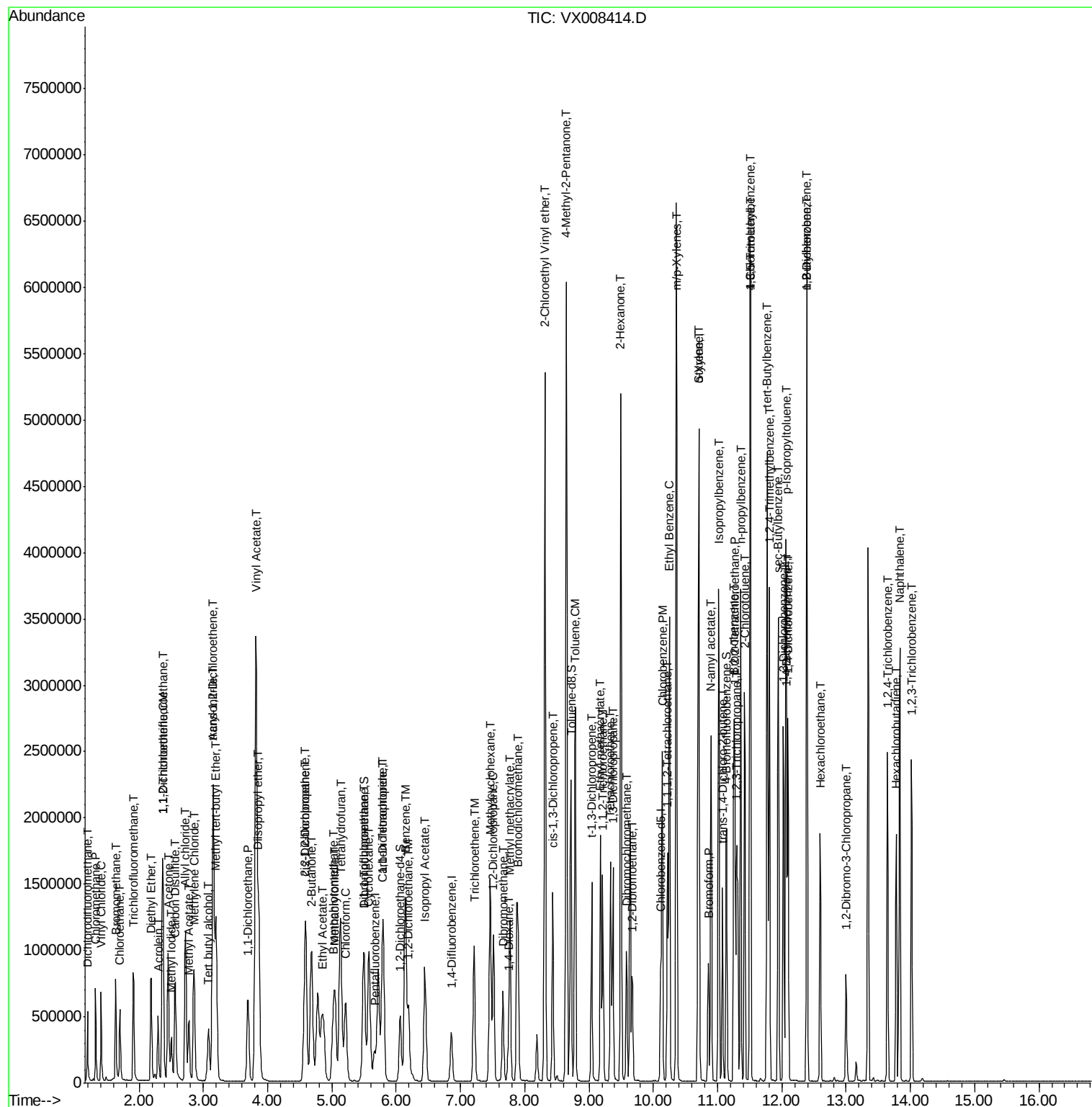
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Data File : VX008414.D
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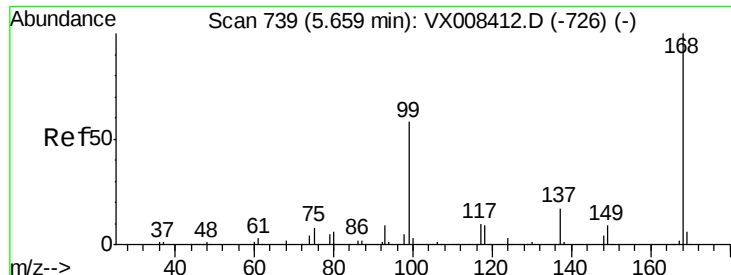
Instrument :
MSVOA_X
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 208049

Ion Ratio Lower Upper

168 100

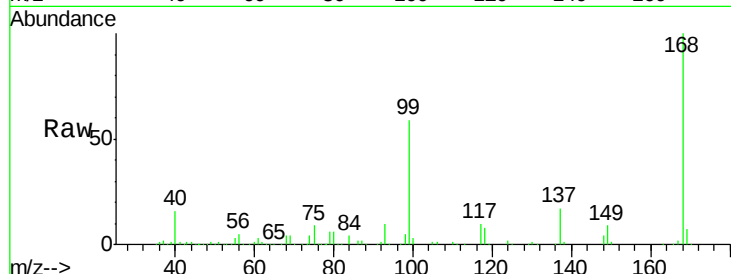
99 58.6 46.0 69.0

Manual Integrations

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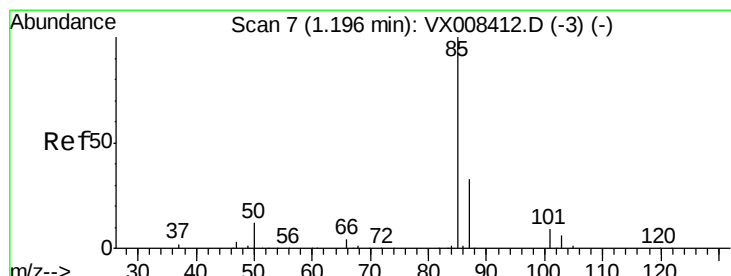
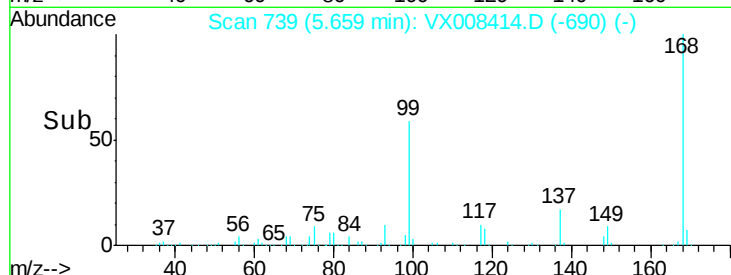
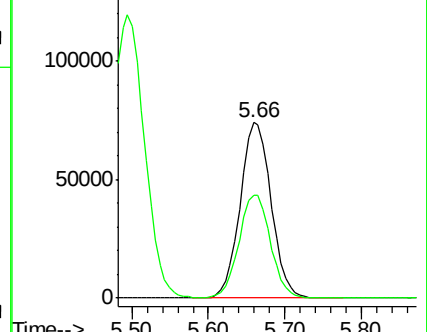
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 143.836 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008414.D

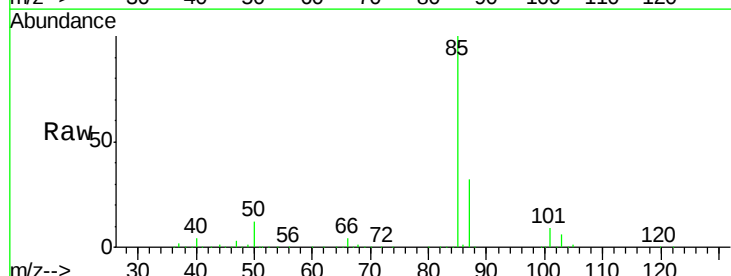
Acq: 25 Mar 2019 15:40

Tgt Ion: 85 Resp: 337071

Ion Ratio Lower Upper

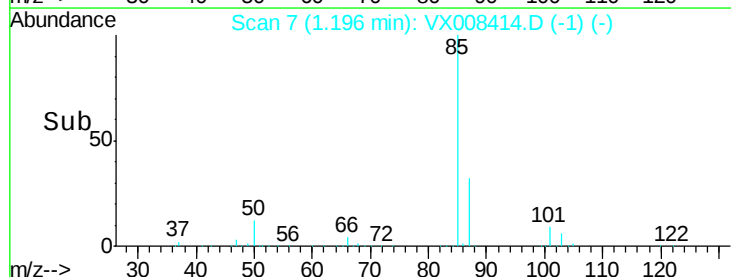
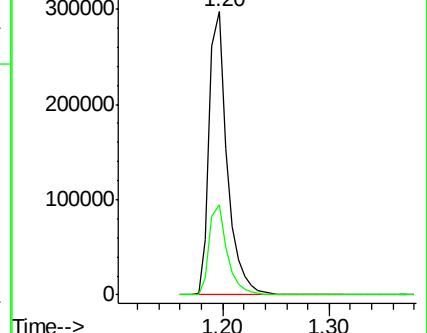
85 100

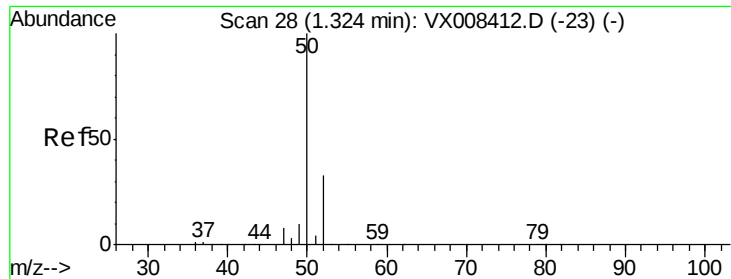
87 31.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 134.793 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 465752

Ion Ratio Lower Upper

50 100

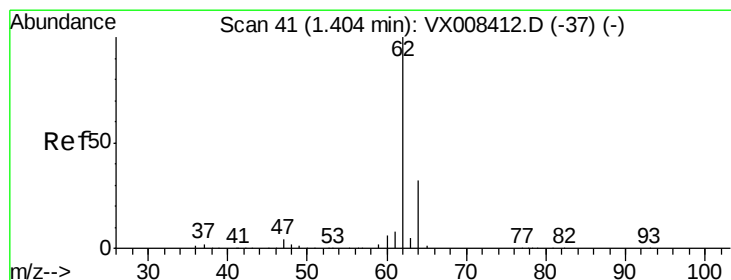
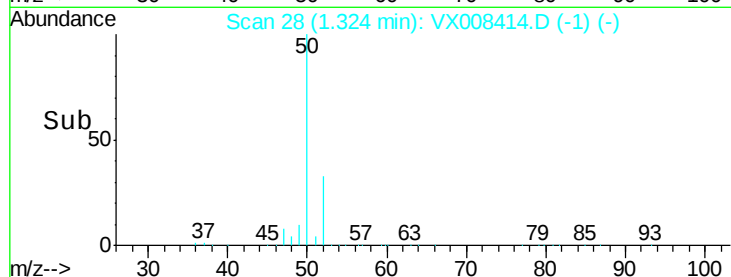
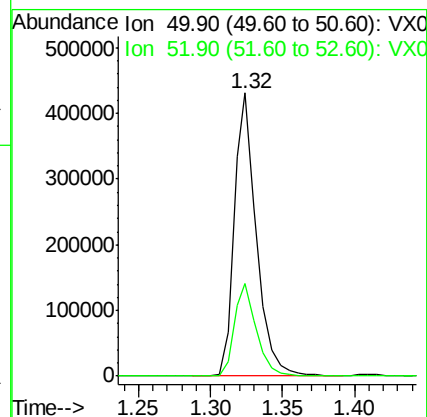
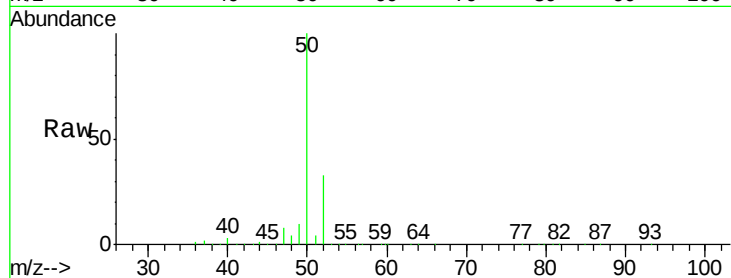
52 32.6 26.2 39.2

Manual Integrations

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3/26/2019 9:46:45 AM



#4

Vinyl Chloride

Concen: 139.769 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX008414.D

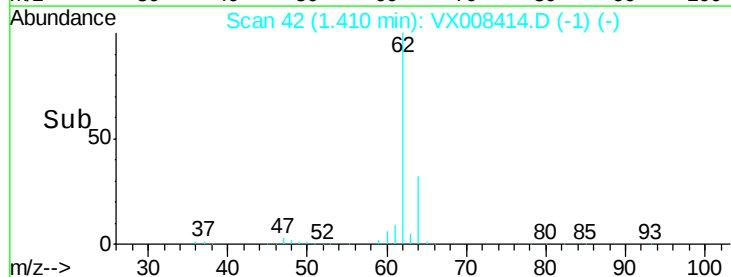
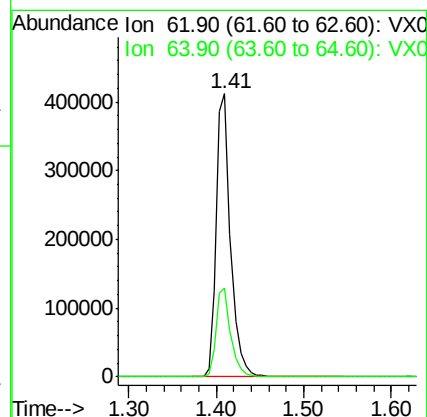
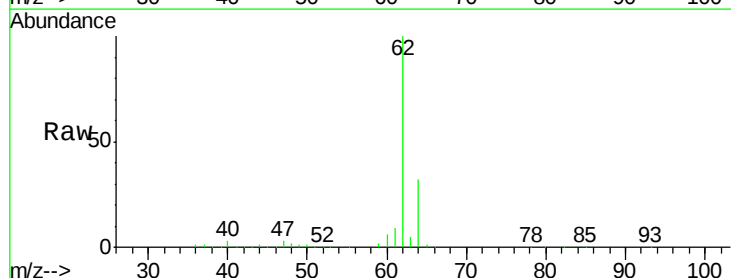
Acq: 25 Mar 2019 15:40

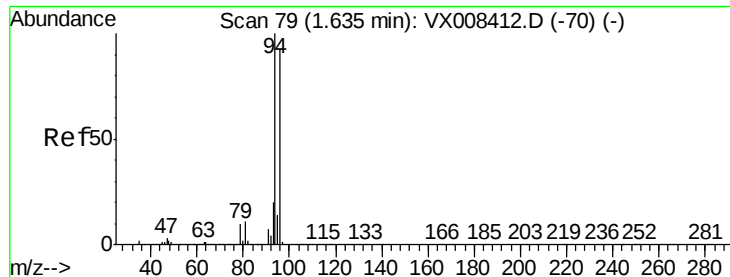
Tgt Ion: 62 Resp: 473667

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3





#5

Bromomethane

Concen: 137.163 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Tot Ion: 94 Resp: 285053

Ion Ratio Lower Upper

94 100

96 94.7 74.8 112.2

Instrument :

MSVOA_X

ClientSampleId :

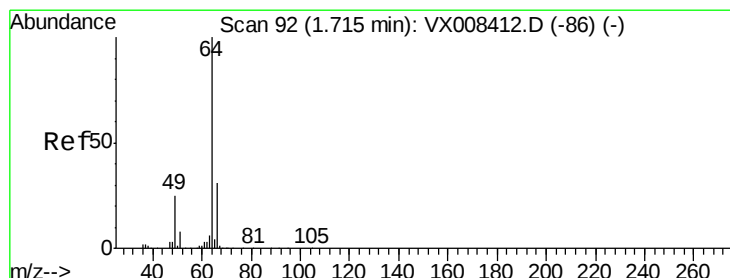
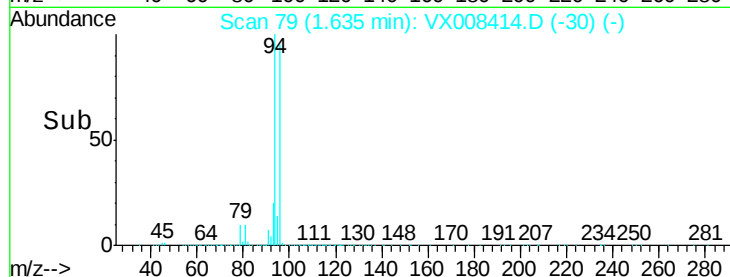
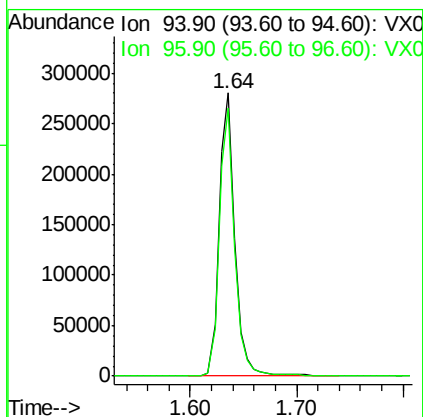
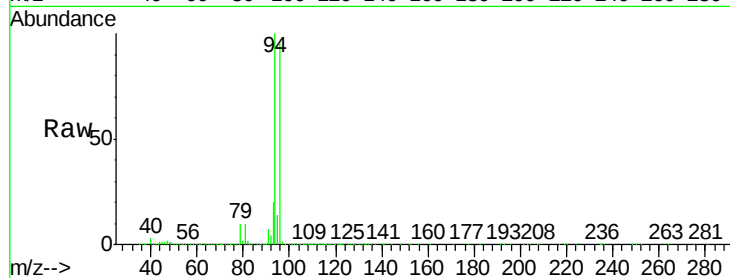
VSTDIC150

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3/26/2019 9:46:45 AM



#6

Chloroethane

Concen: 140.434 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX008414.D

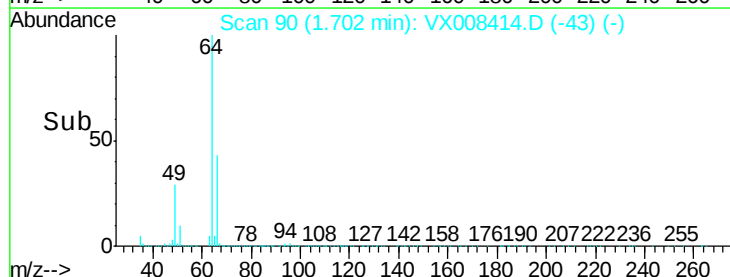
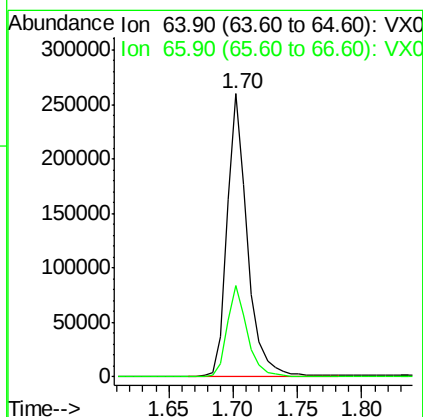
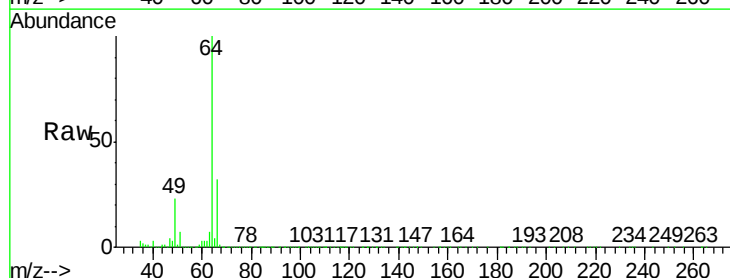
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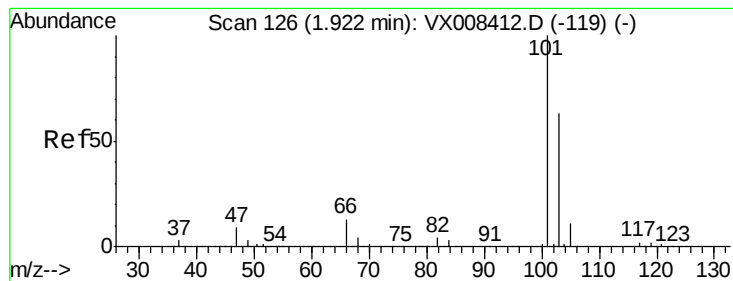
Tgt Ion: 64 Resp: 282098

Ion Ratio Lower Upper

64 100

66 32.3 25.1 37.7





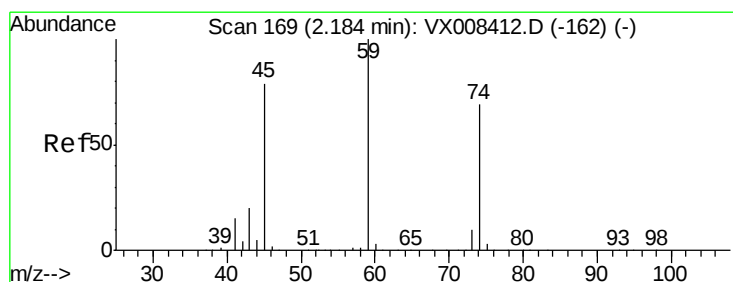
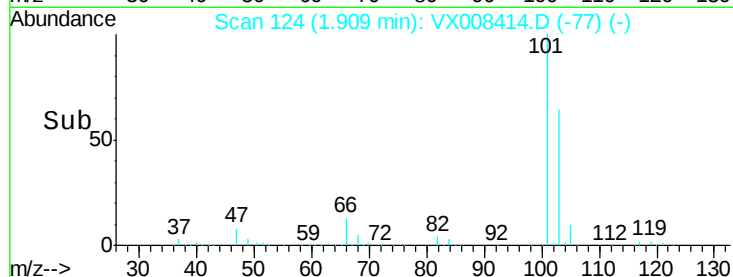
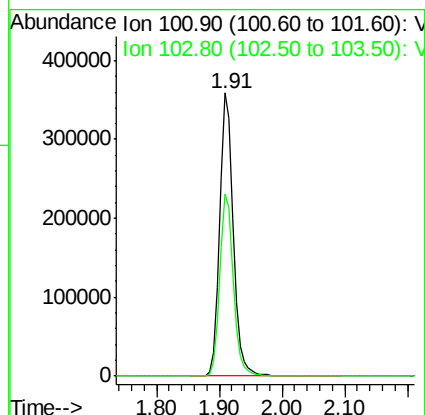
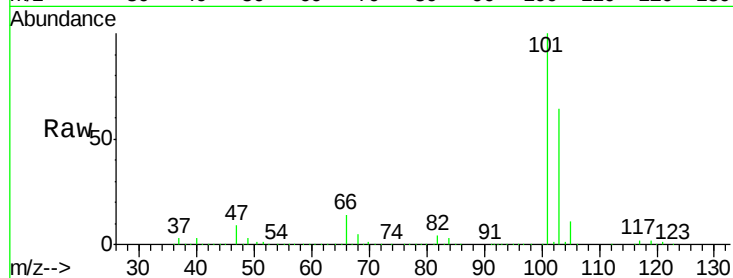
#7
 Trichlorofluoromethane
 Concen: 140.048 ug/l
 RT: 1.91 min Scan# 124
 Delta R.T. -0.01 min
 Lab File: VX008414.D
 Acq: 25 Mar 2019 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:101 Resp: 538223
 Ion Ratio Lower Upper
 101 100
 103 64.3 50.2 75.4

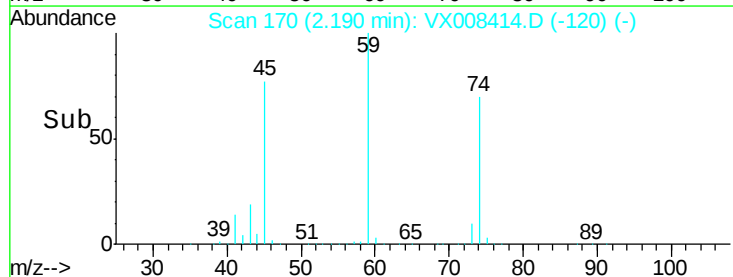
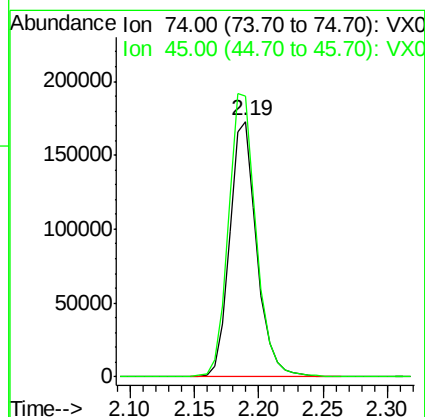
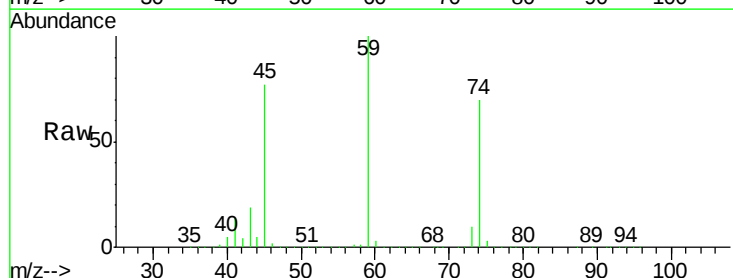
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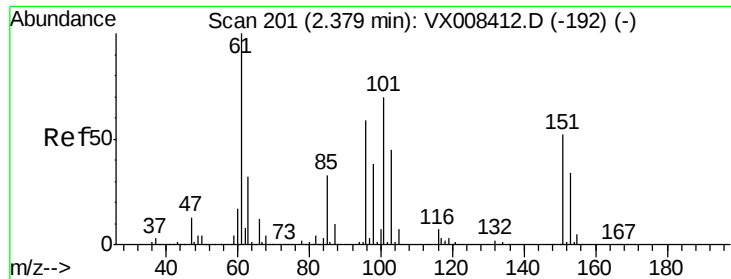
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 3/26/2019 9:46:45 AM



#8
 Diethyl Ether
 Concen: 138.184 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX008414.D
 Acq: 25 Mar 2019 15:40

Tgt Ion: 74 Resp: 254875
 Ion Ratio Lower Upper
 74 100
 45 114.0 56.4 169.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 144.350 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Instrument :

MSVOA_X

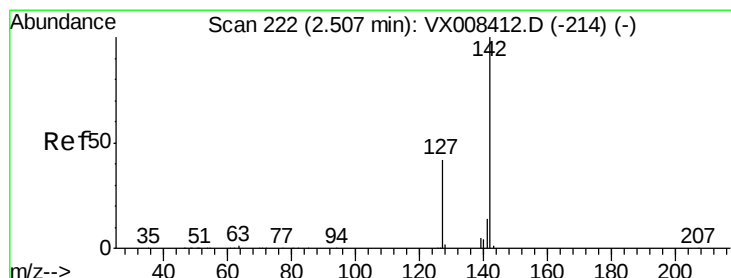
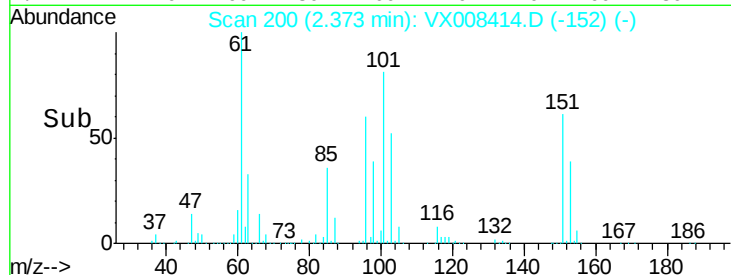
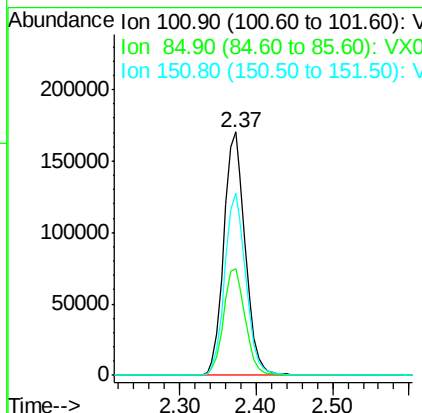
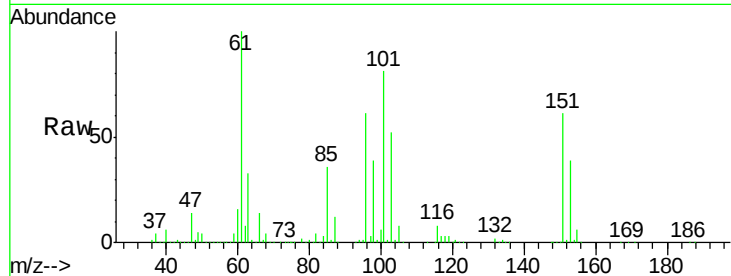
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	329600
Ion Ratio	Lower	Upper	
101	100		
85	44.5	36.0	54.0
151	74.0	59.2	88.8

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#10

Methyl Iodide

Concen: 133.081 ug/l

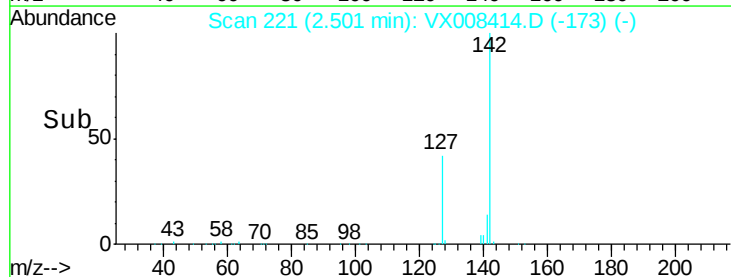
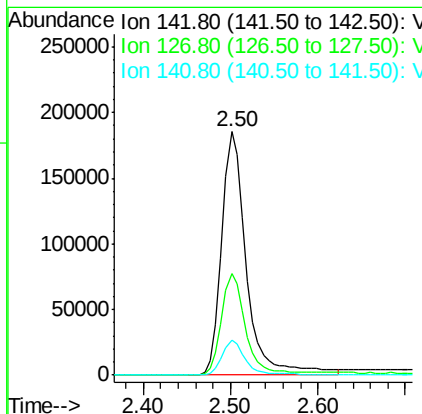
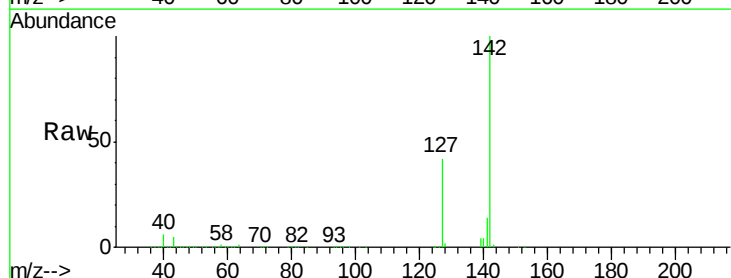
RT: 2.50 min Scan# 221

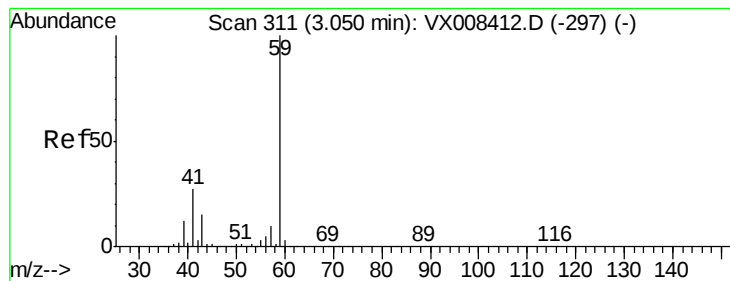
Delta R.T. -0.01 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Tgt Ion:	142	Resp:	366567
Ion Ratio	Lower	Upper	
142	100		
127	42.5	33.6	50.4
141	13.6	11.3	16.9





#11

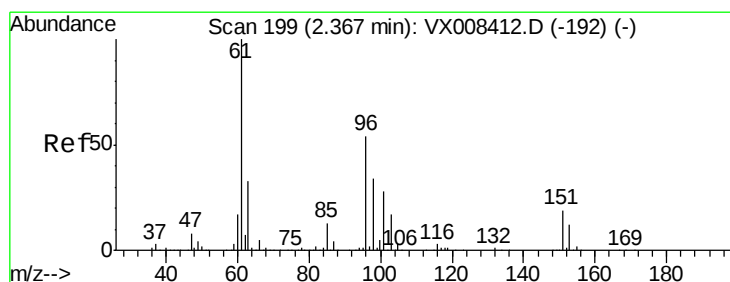
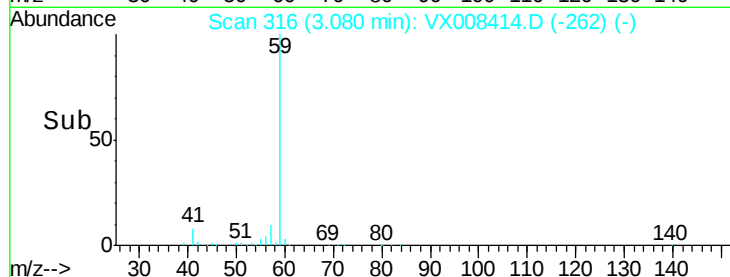
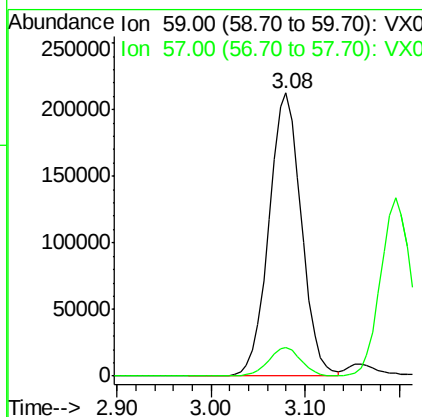
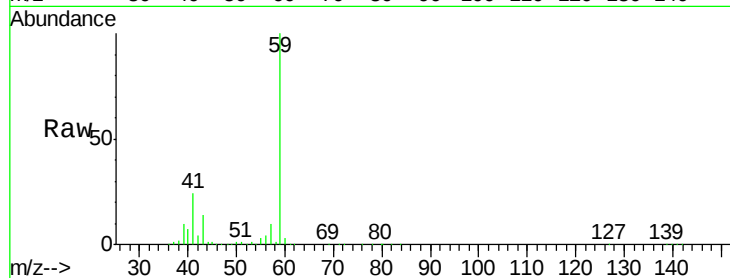
Tert butyl alcohol
 Concen: 723.126 ug/l
 RT: 3.08 min Scan# 316
 Delta R.T. 0.03 min
 Lab File: VX008414.D
 Acq: 25 Mar 2019 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4

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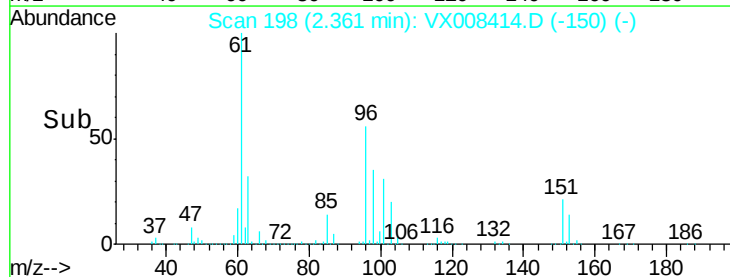
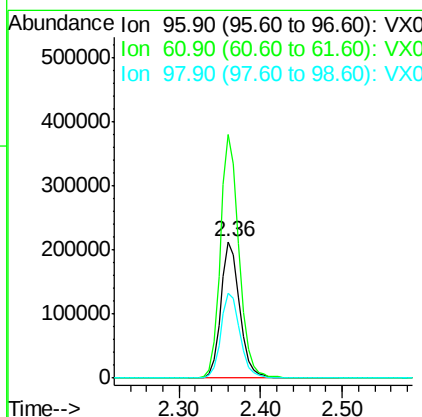
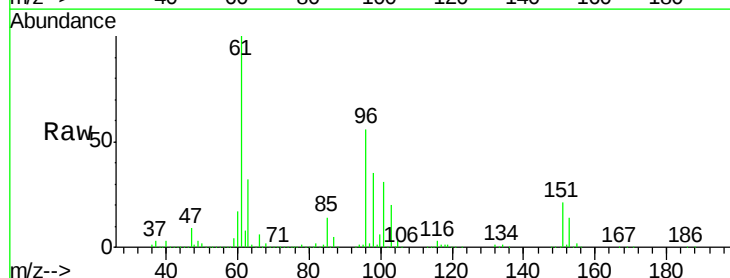
MMDadoda
 3/26/2019 9:46:45 AM

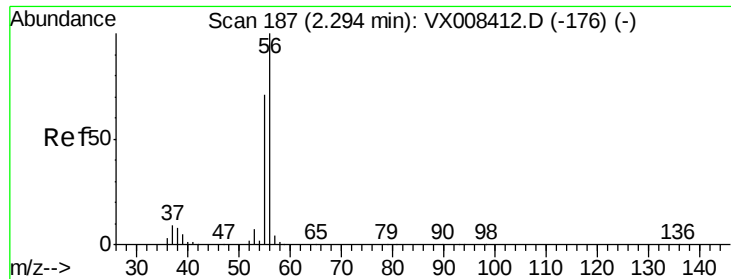


#12

1,1-Dichloroethene
 Concen: 143.347 ug/l
 RT: 2.36 min Scan# 198
 Delta R.T. -0.01 min
 Lab File: VX008414.D
 Acq: 25 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.6	146.9	220.3
98	62.4	50.1	75.1





#13

Acrolein

Concen: 632.082 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 363510

Ion Ratio Lower Upper

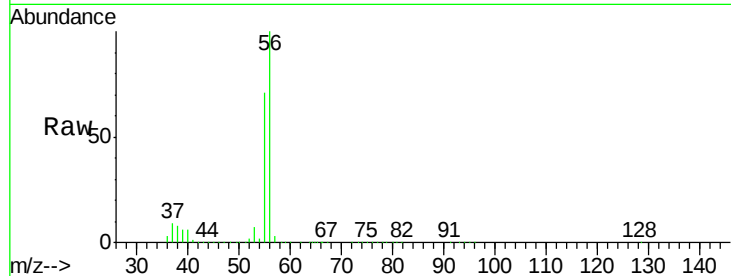
56 100

55 71.0 56.5 84.7

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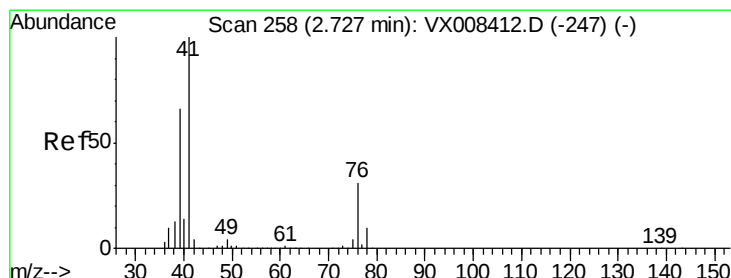
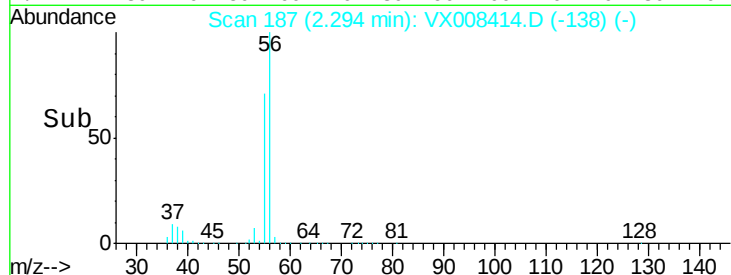
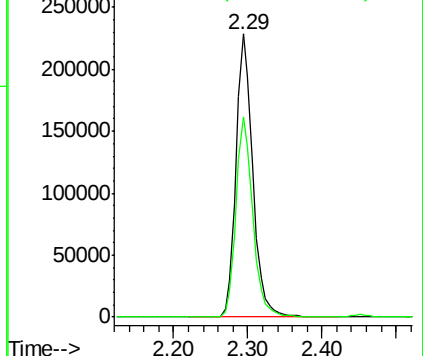
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 148.295 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

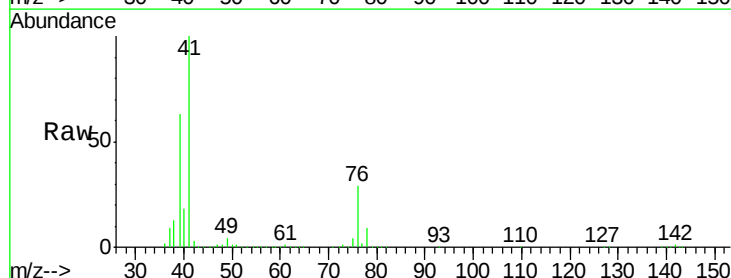
Tgt Ion: 41 Resp: 773340

Ion Ratio Lower Upper

41 100

39 61.4 49.6 74.4

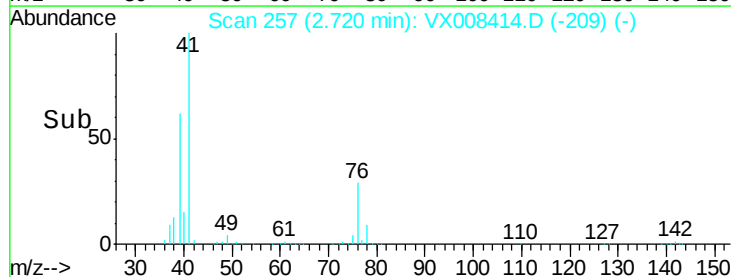
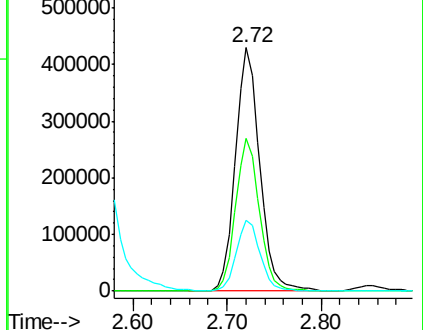
76 28.5 22.6 34.0

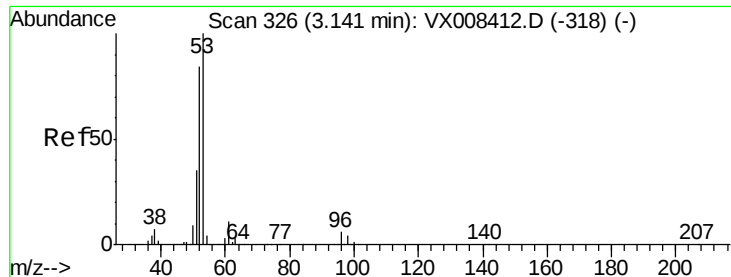


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 724.008 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1301336

Ion Ratio Lower Upper

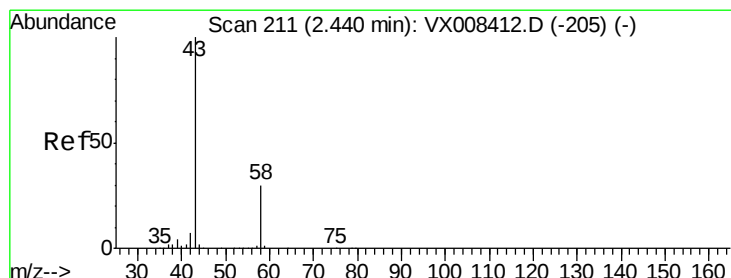
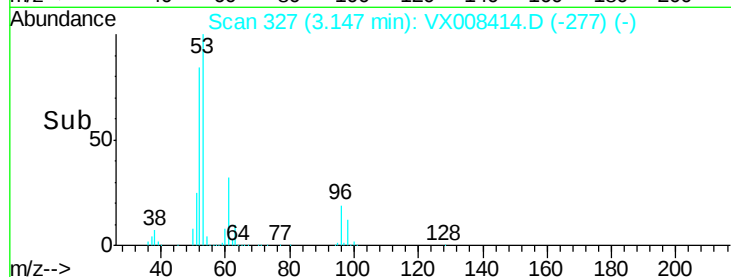
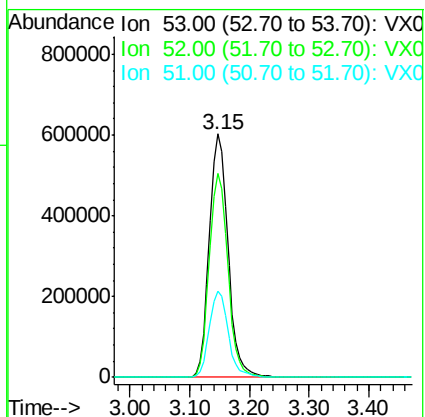
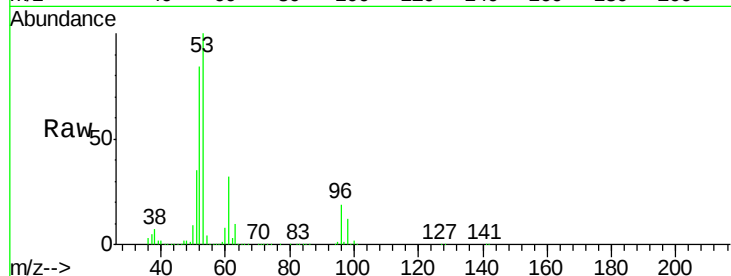
53 100

52 83.2 66.5 99.7

51 35.7 28.3 42.5

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#16

Acetone

Concen: 715.537 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX008414.D

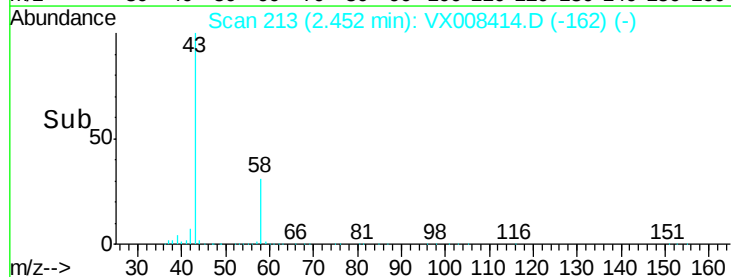
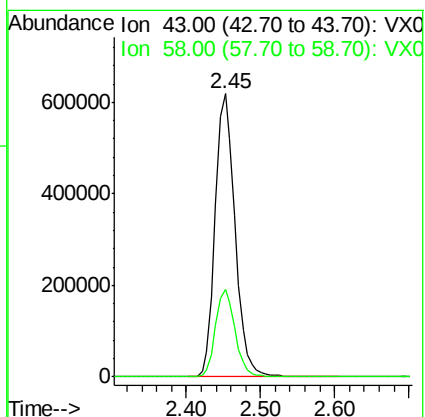
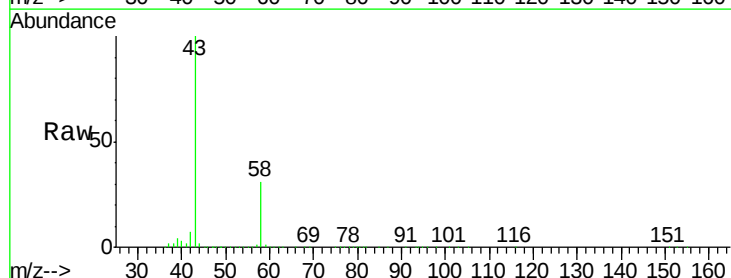
Acq: 25 Mar 2019 15:40

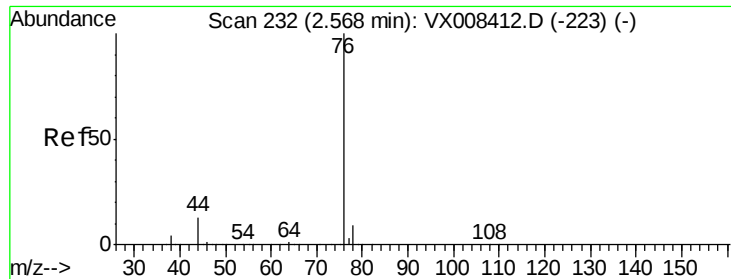
Tgt Ion: 43 Resp: 1134098

Ion Ratio Lower Upper

43 100

58 31.1 24.2 36.2





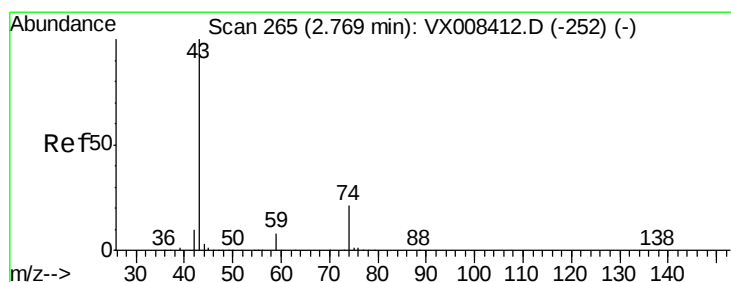
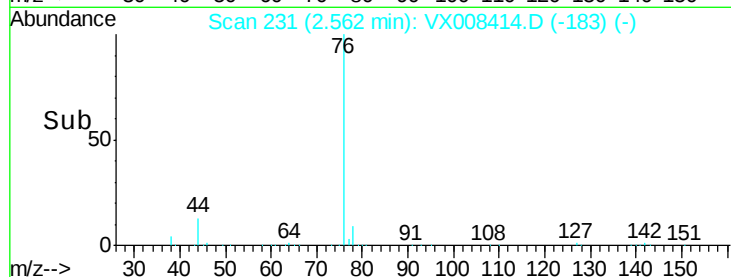
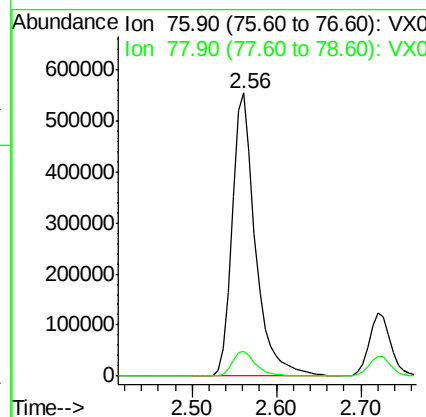
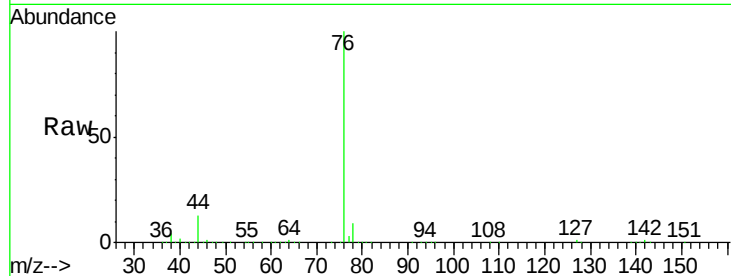
#17
Carbon Disulfide
Concen: 138.134 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1041830
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2

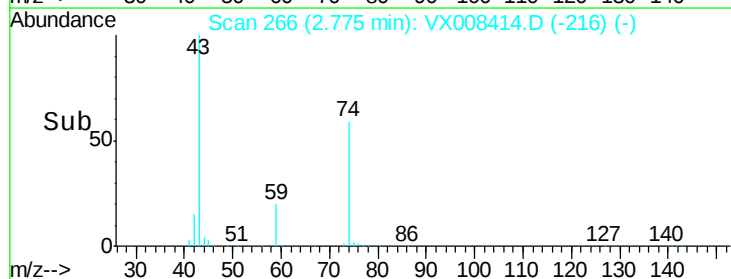
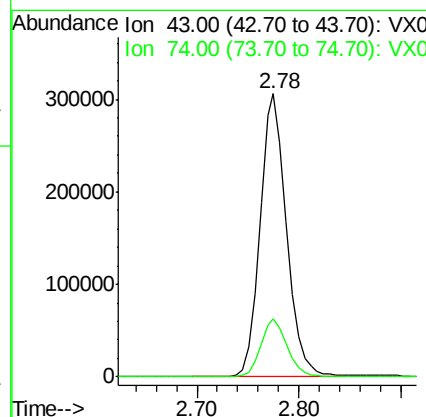
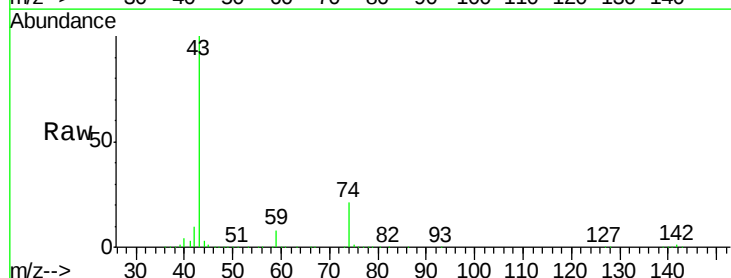
Manual Integrations
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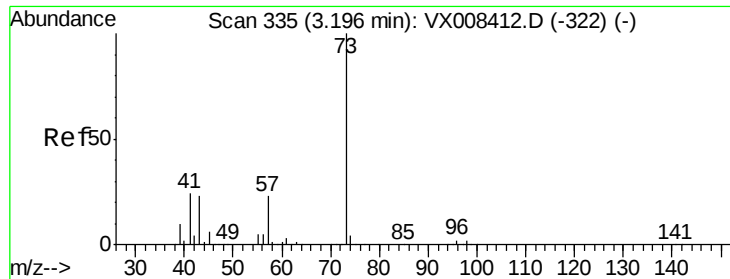
MMDadoda
3/26/2019 9:46:45 AM



#18
Methyl Acetate
Concen: 139.980 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Tgt Ion: 43 Resp: 551396
Ion Ratio Lower Upper
43 100
74 20.5 16.7 25.1





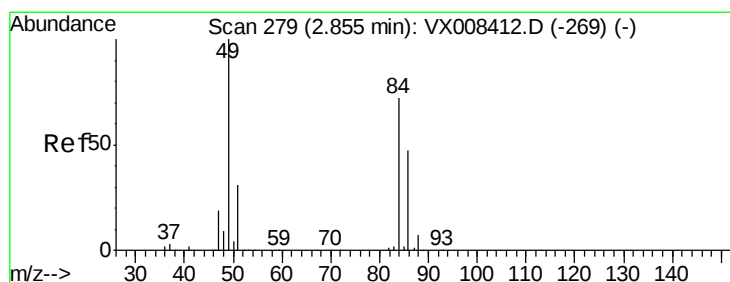
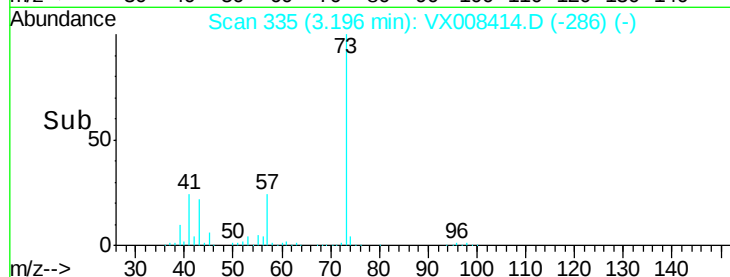
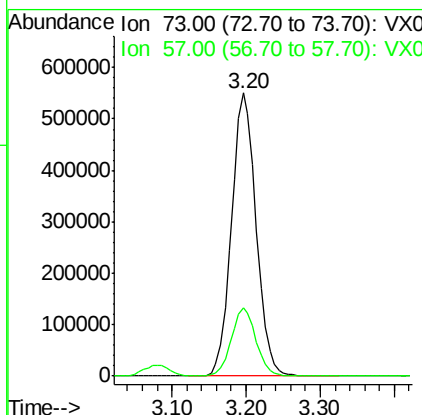
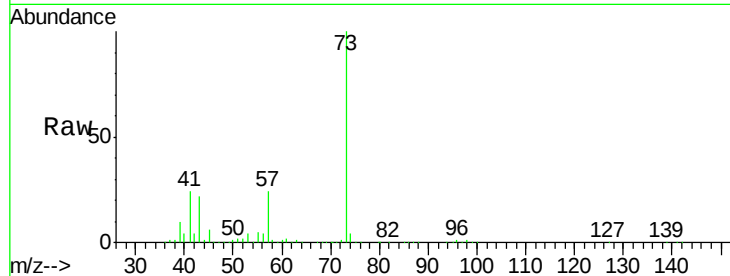
#19
Methvl tert-butvl Ether
Concen: 149.567 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1272673
Ion Ratio Lower Upper
73 100
57 24.3 18.6 28.0

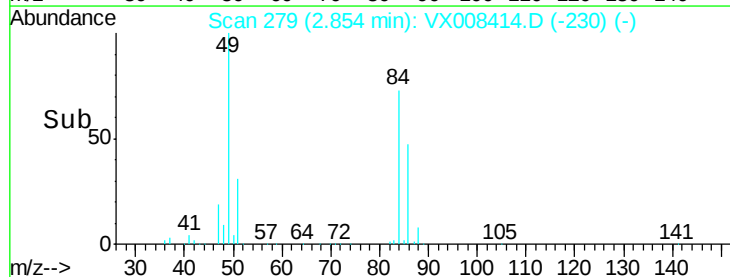
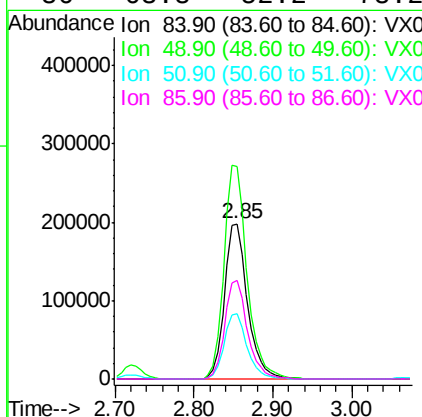
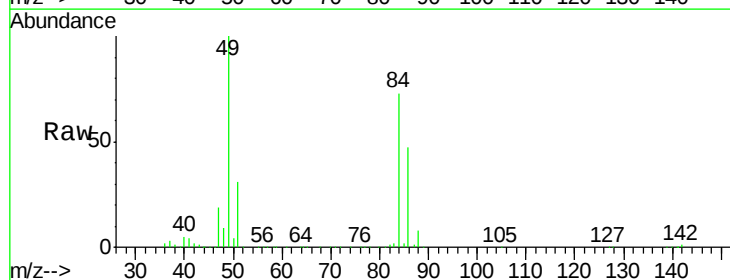
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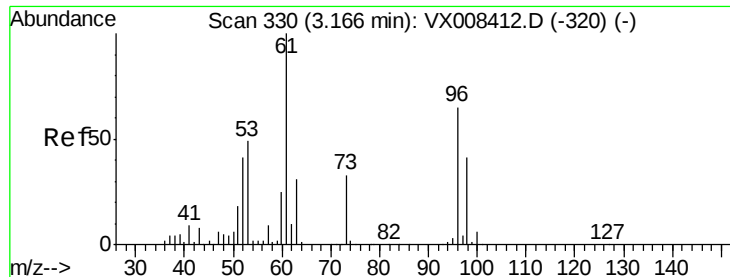
MMDadoda
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#20
Methylene Chloride
Concen: 140.847 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Tgt Ion: 84 Resp: 402045
Ion Ratio Lower Upper
84 100
49 136.7 110.6 165.8
51 41.7 33.9 50.9
86 63.8 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 142.484 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 363648

Ion Ratio Lower Upper

96 100

61 156.3 122.6 184.0

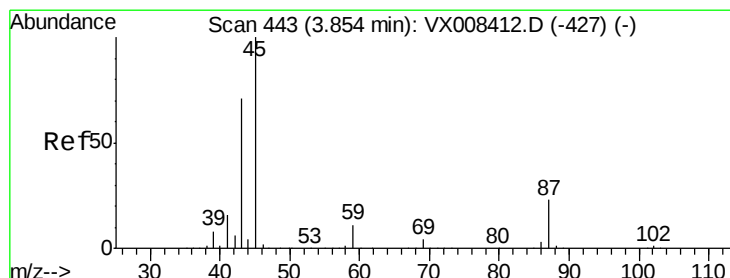
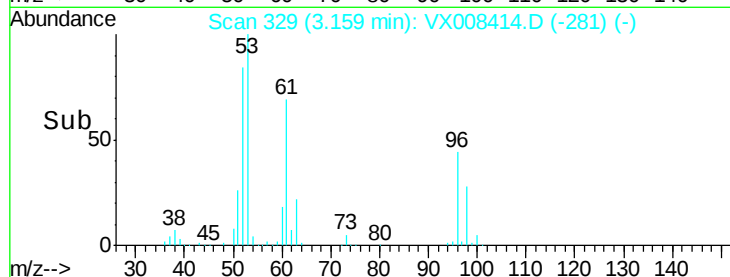
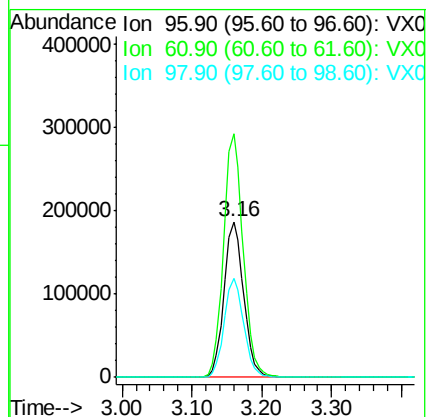
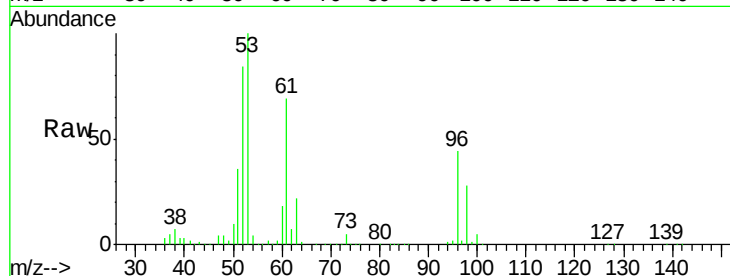
98 63.9 50.9 76.3

Manual Integrations

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#22

Diisopropyl ether

Concen: 149.721 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Tgt Ion: 45 Resp: 1522847

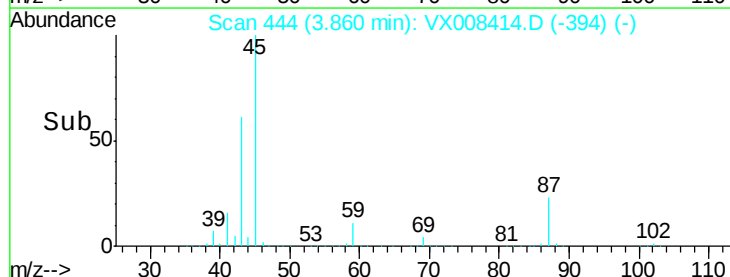
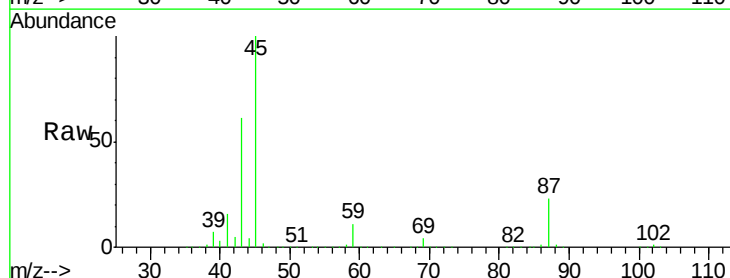
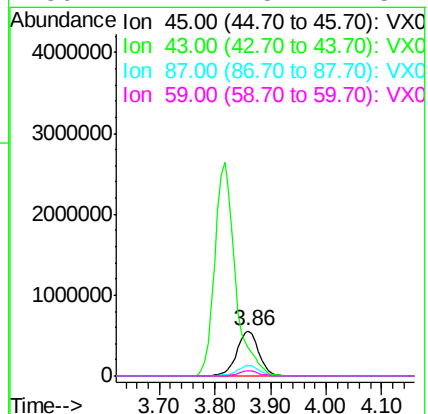
Ion Ratio Lower Upper

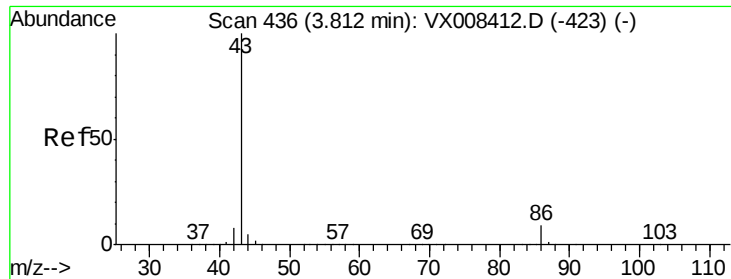
45 100

43 60.8 57.1 85.7

87 23.3 18.8 28.2

59 11.1 8.7 13.1





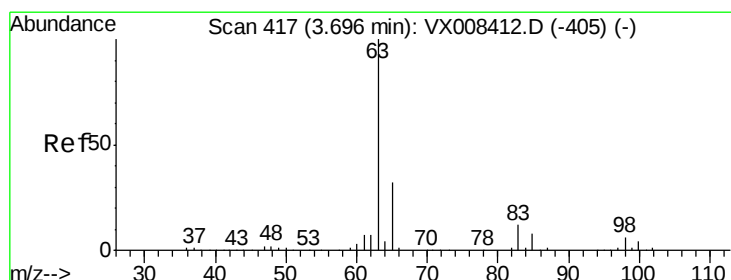
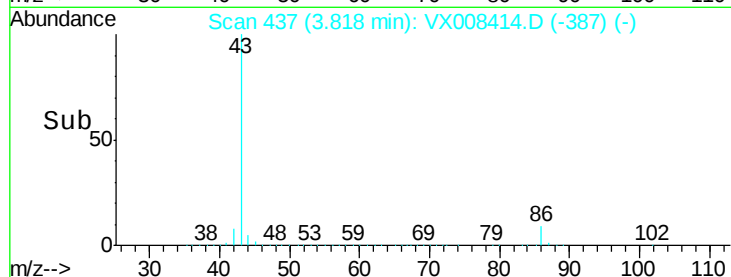
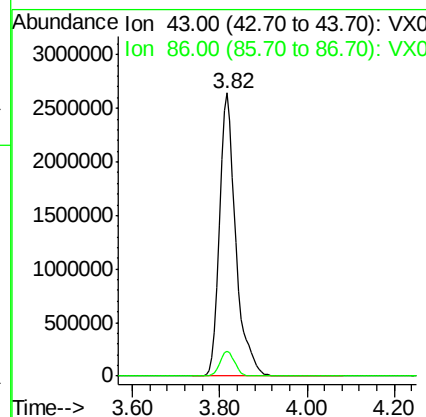
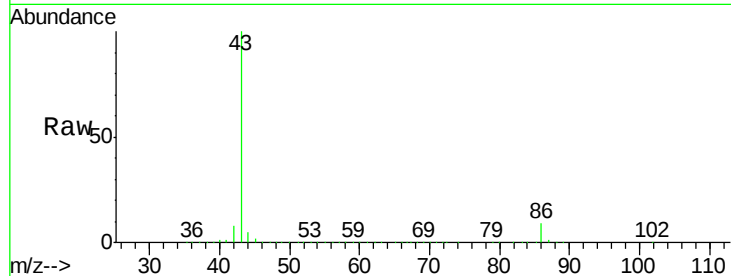
#23
 Vinyl Acetate
 Concen: 757.177 ug/l
 RT: 3.82 min Scan# 437
 Delta R.T. 0.01 min
 Lab File: VX008414.D
 Acq: 25 Mar 2019 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 6792066
 Ion Ratio Lower Upper
 43 100
 86 9.0 6.9 10.3

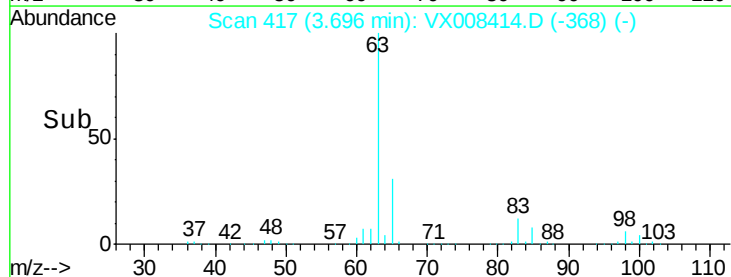
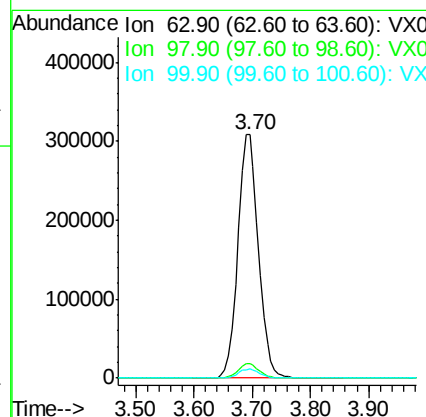
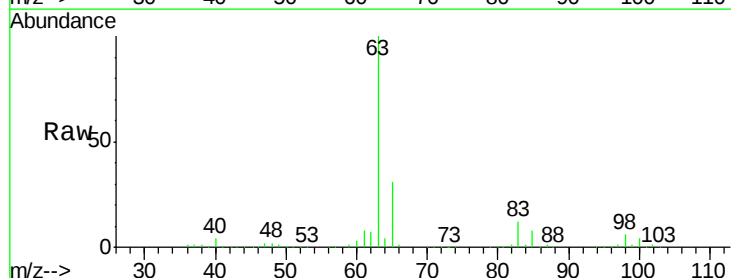
Manual Integrations
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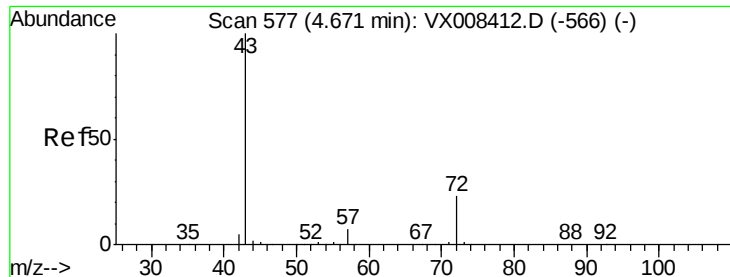
MMDadoda
 3/26/2019 9:46:45 AM



#24
 1,1-Dichloroethane
 Concen: 145.764 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. -0.00 min
 Lab File: VX008414.D
 Acq: 25 Mar 2019 15:40

Tgt Ion: 63 Resp: 755189
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.2 9.6
 100 3.7 2.0 5.8





#25

2-Butanone

Concen: 737.214 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 43 Resp: 1914476

Ion Ratio Lower Upper

43 100

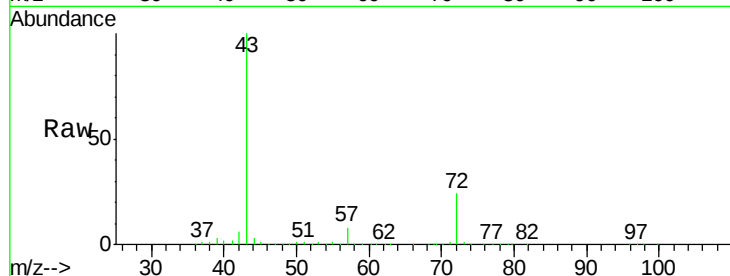
72 23.5 18.6 28.0

Manual Integrations

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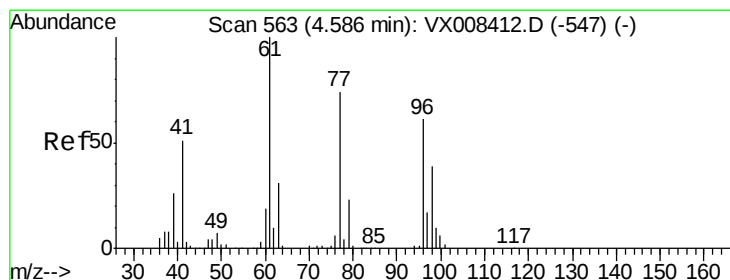
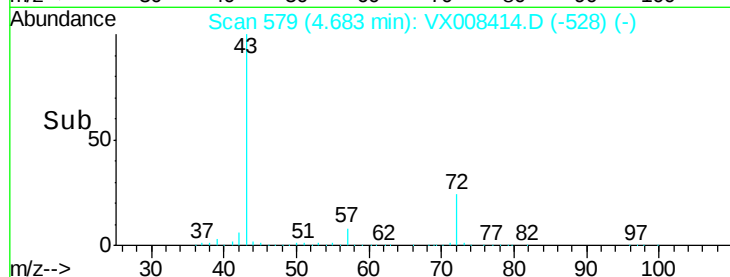
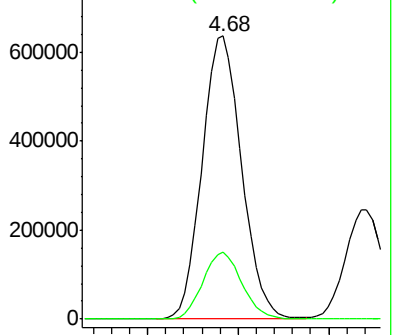
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3/26/2019 9:46:45 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 160.246 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008414.D

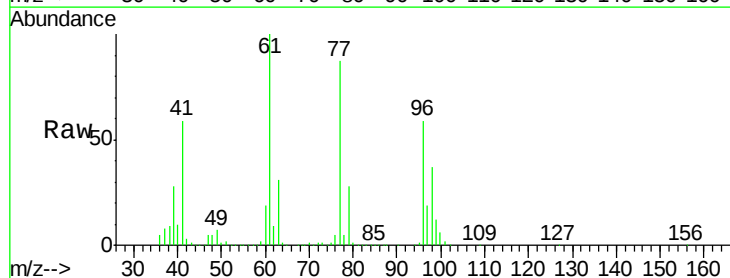
Acq: 25 Mar 2019 15:40

Tgt Ion: 77 Resp: 538573

Ion Ratio Lower Upper

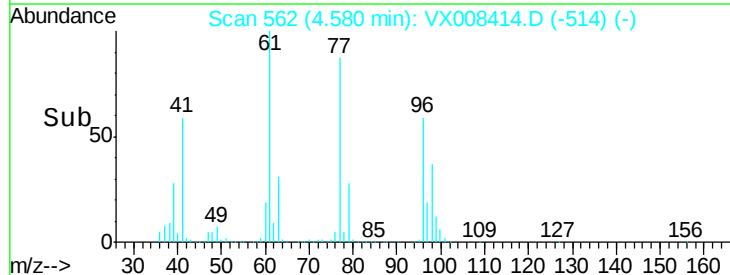
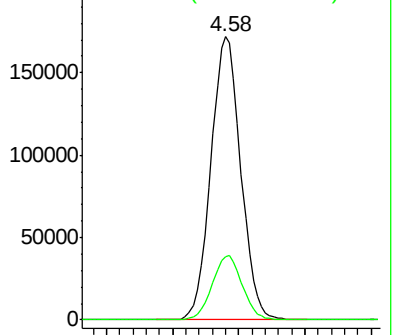
77 100

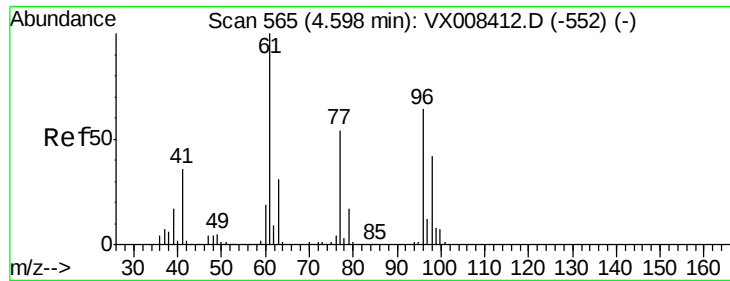
97 22.8 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

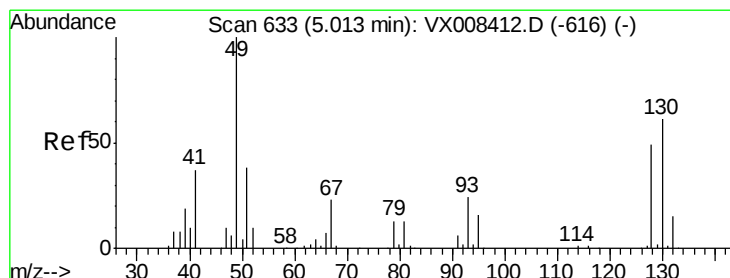
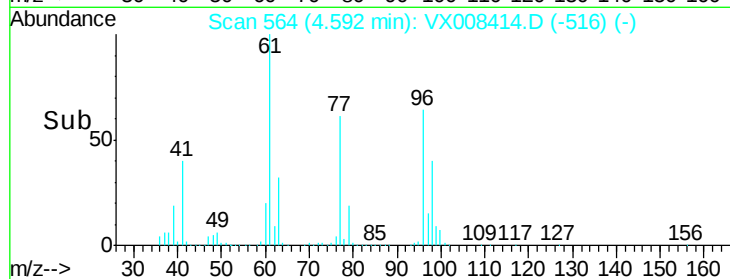
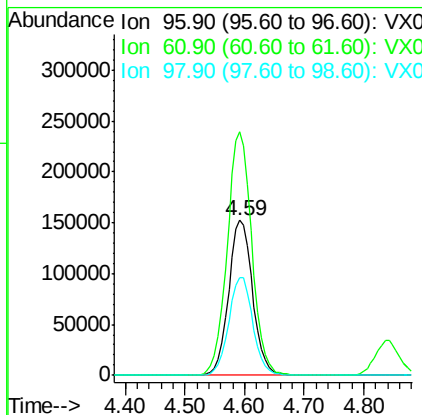
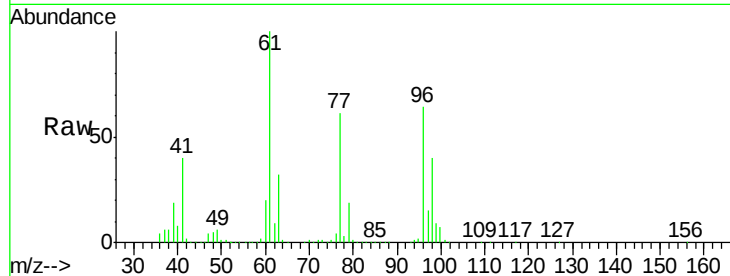
cis-1,2-Dichloroethene
Concen: 145.512 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.3	0.0	325.6
98	64.0	0.0	130.0

Manual Integrations
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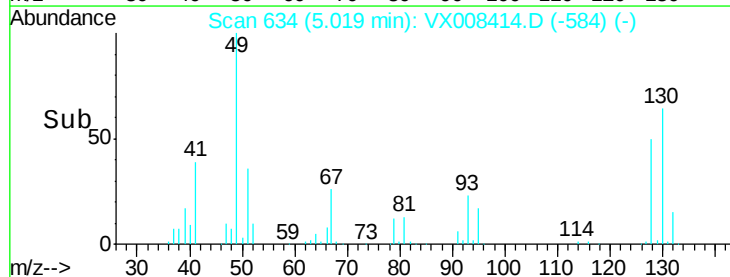
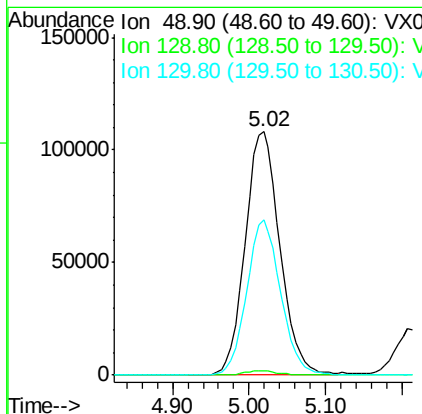
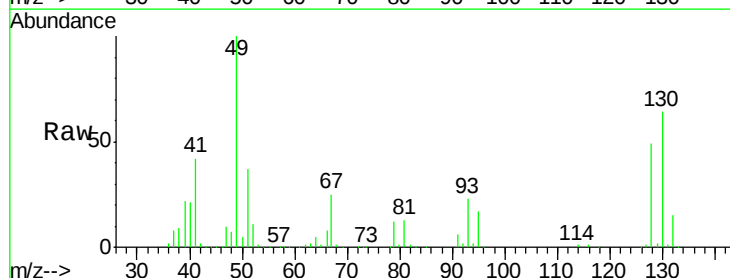
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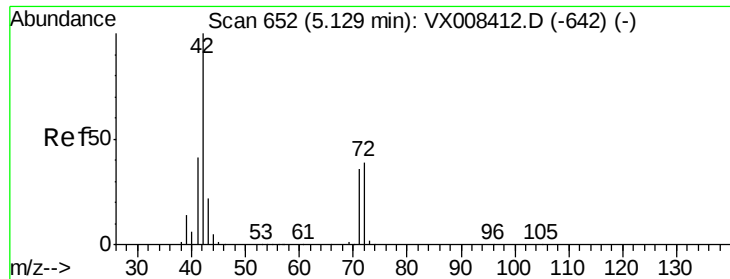


#28

Bromochloromethane
Concen: 133.943 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	62.3	49.8	74.6





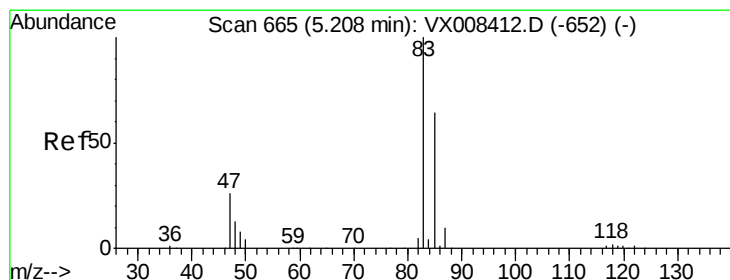
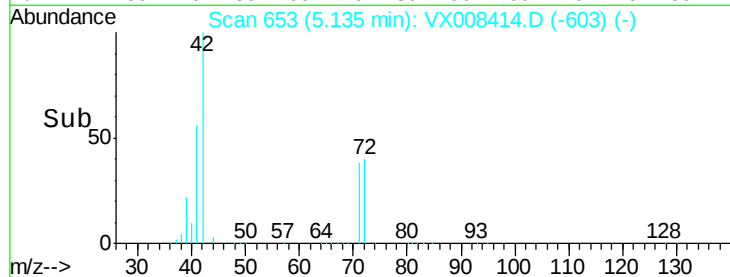
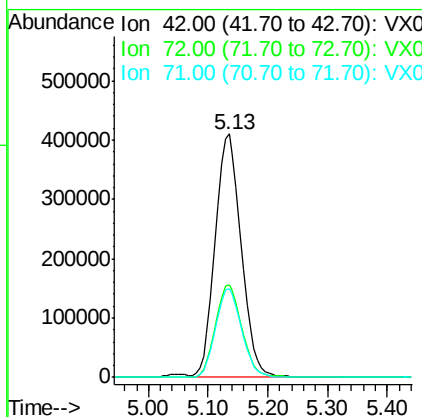
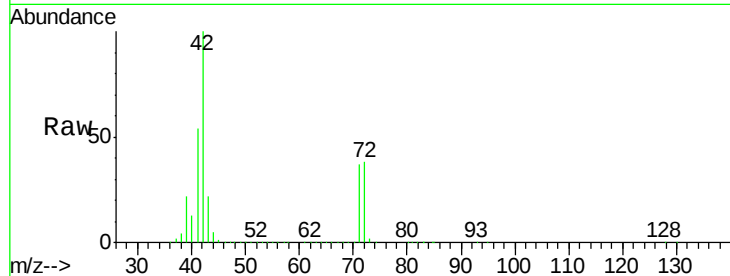
#29
Tetrahydrofuran
Concen: 722.912 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1240509
Ion Ratio Lower Upper
42 100
72 38.8 31.4 47.2
71 36.6 29.4 44.2

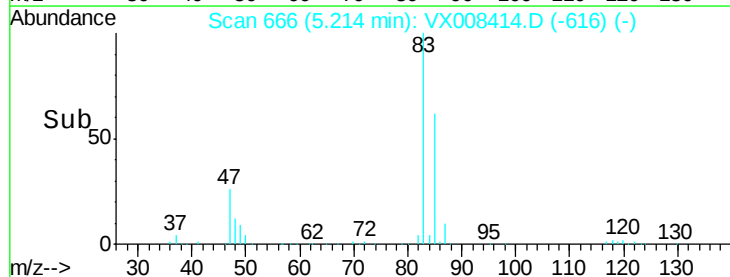
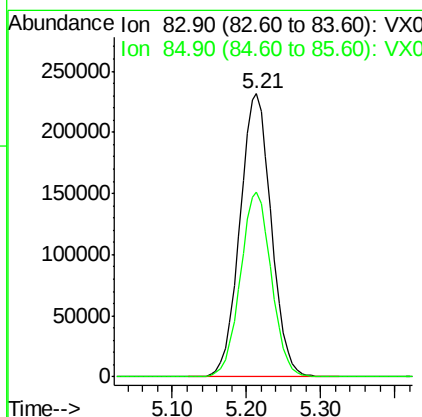
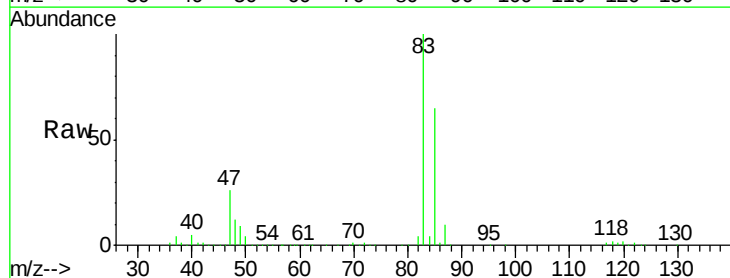
Manual Integrations
APPROVED

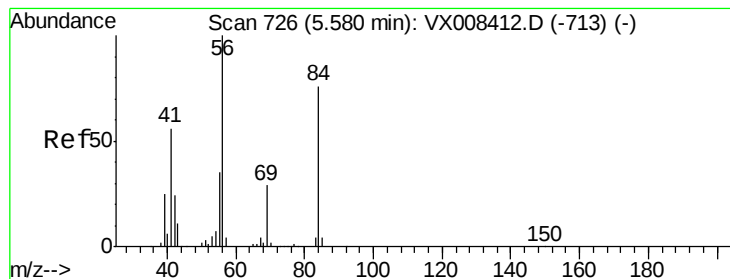
MMDadoda
3/26/2019 9:46:45 AM



#30
Chloroform
Concen: 146.005 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Tgt Ion: 83 Resp: 682457
Ion Ratio Lower Upper
83 100
85 65.3 51.4 77.2





#31

Cyclohexane

Concen: 144.011 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Instrument :

MSVOA_X

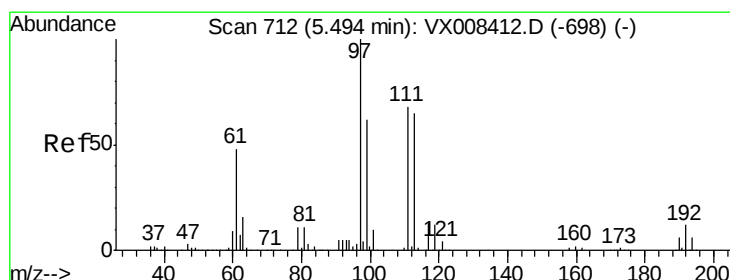
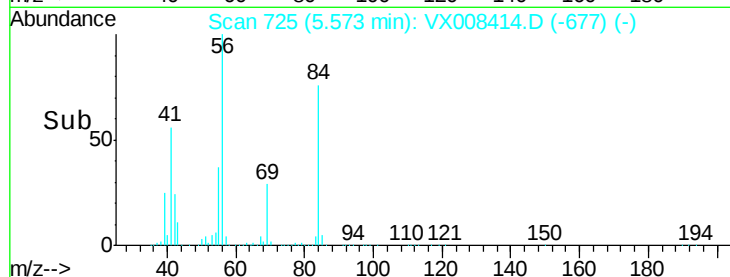
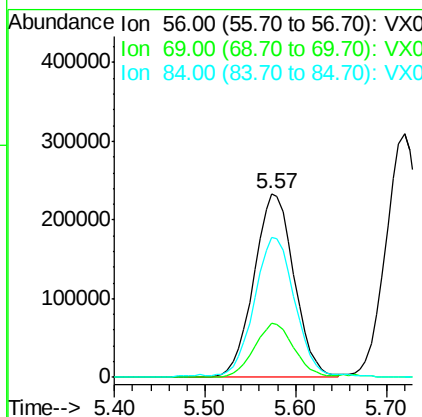
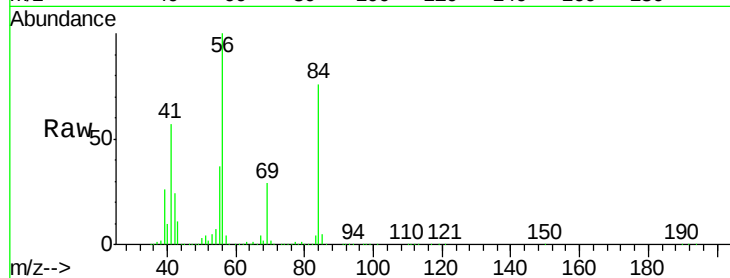
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	714153
Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.2	34.8
84	75.1	60.7	91.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 154.778 ug/l

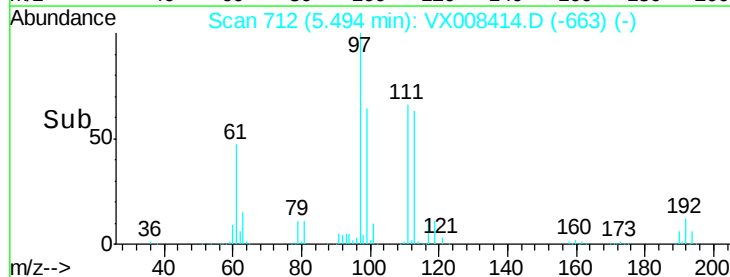
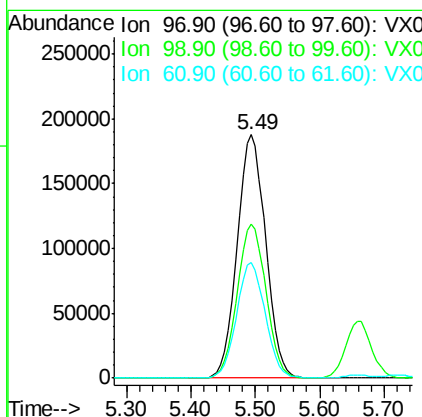
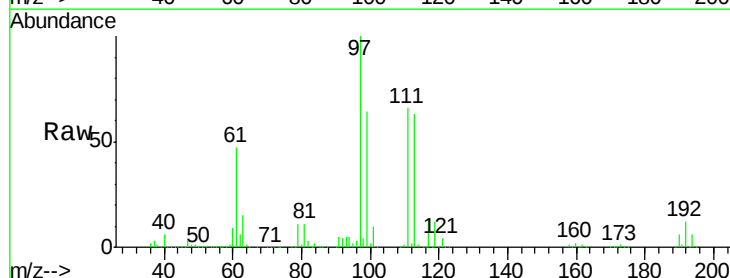
RT: 5.49 min Scan# 712

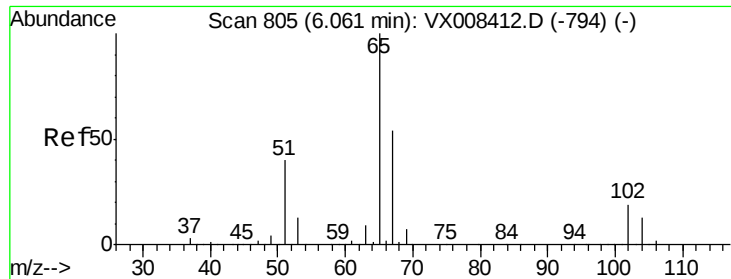
Delta R.T. -0.00 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Tgt Ion:	97	Resp:	573611
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.5	77.3
61	47.8	38.8	58.2





#33

1,2-Dichloroethane-d4

Concen: 146.392 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 460792

Ion Ratio Lower Upper

65 100

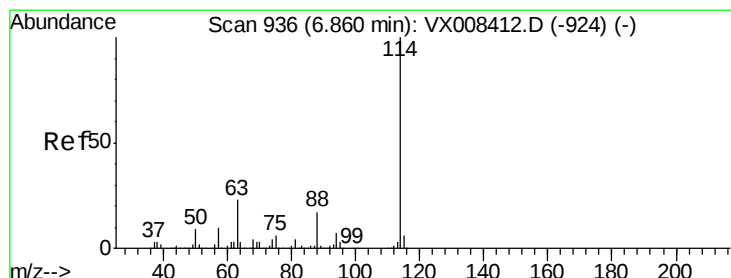
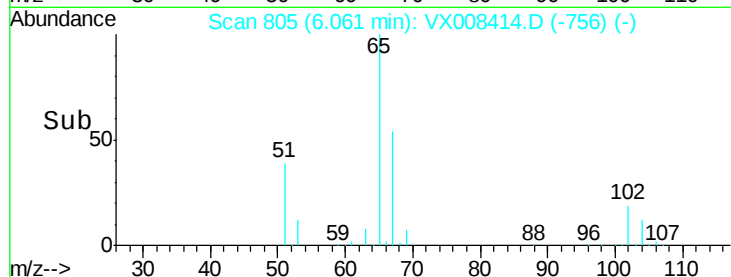
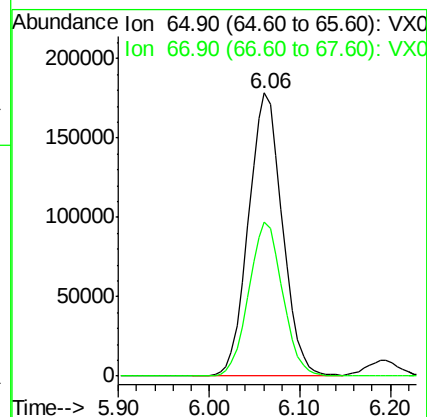
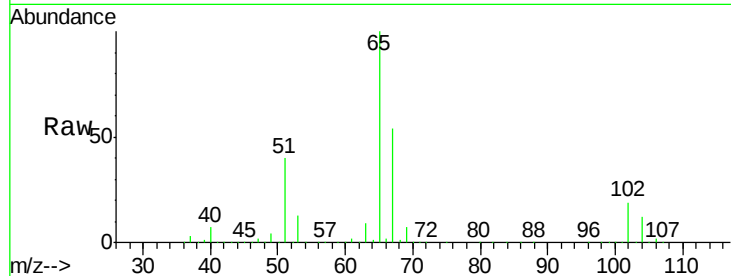
67 54.4 0.0 109.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

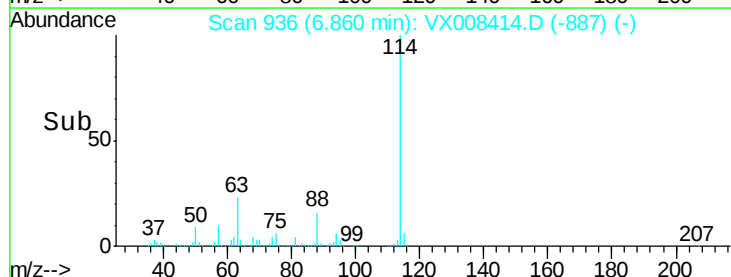
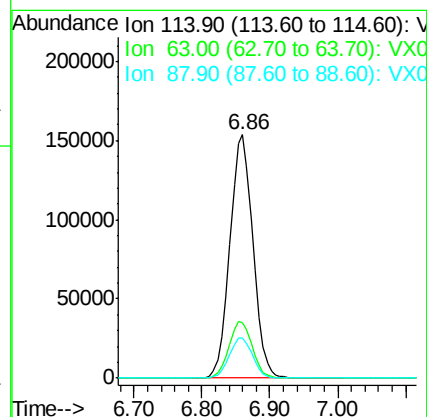
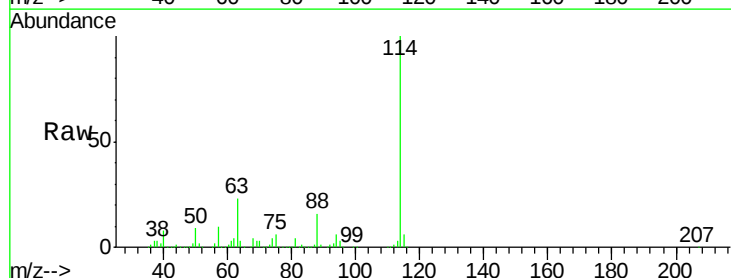
Tgt Ion: 114 Resp: 360117

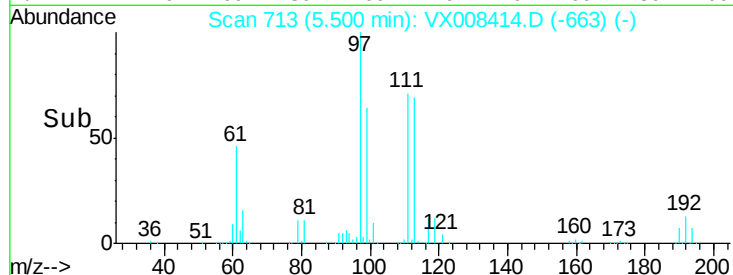
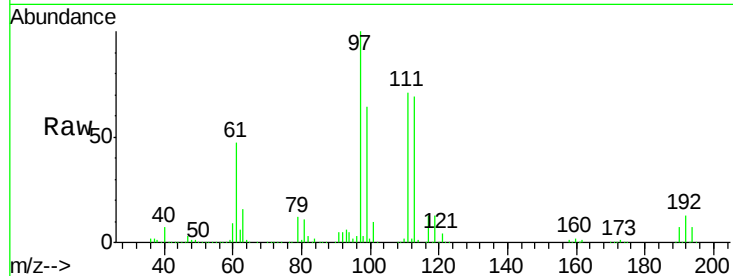
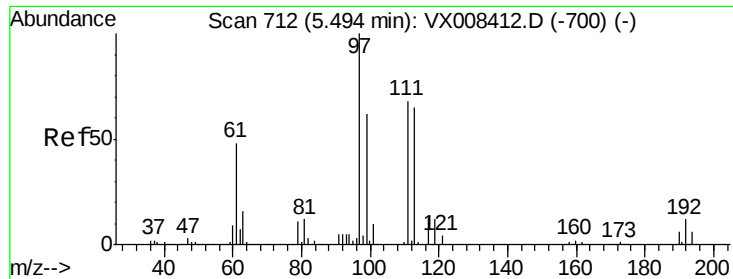
Ion Ratio Lower Upper

114 100

63 22.8 0.0 46.4

88 16.5 0.0 33.2





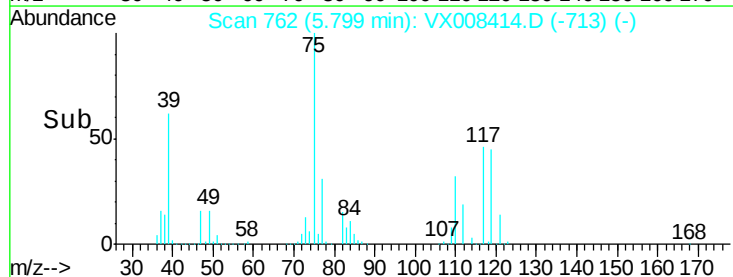
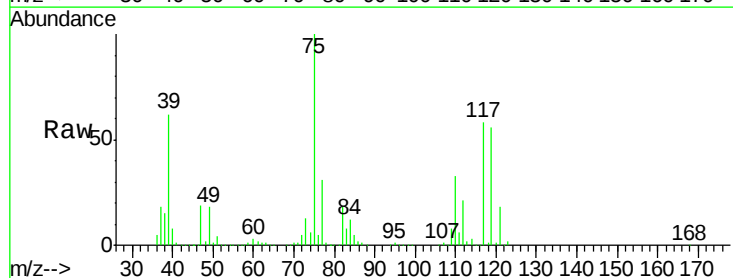
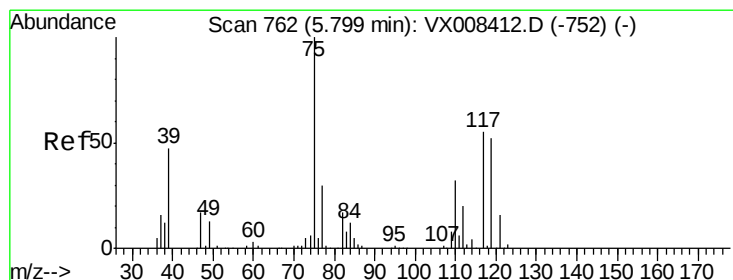
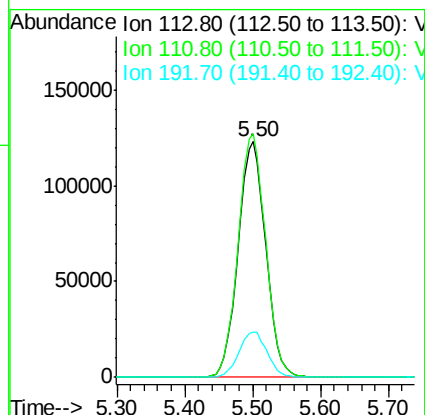
#35
Dibromofluoromethane
Concen: 148.864 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Tot Ion	Ratio	Resp	Lower	Upper
113	100	346670		
111	103.2	83.0	124.4	
192	19.6	15.6	23.4	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

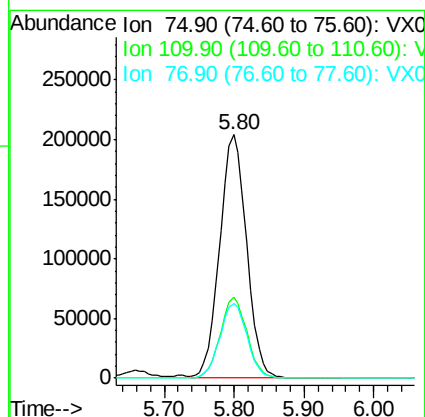
Manual Integrations
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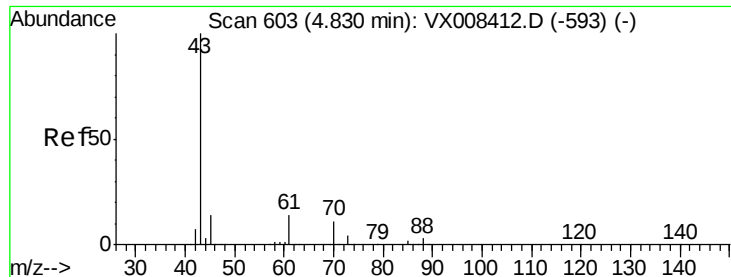
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3/26/2019 9:46:45 AM



#36
1,1-Dichloropropene
Concen: 147.958 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	543606		
110	33.1	16.6	49.7	
77	30.9	24.2	36.2	





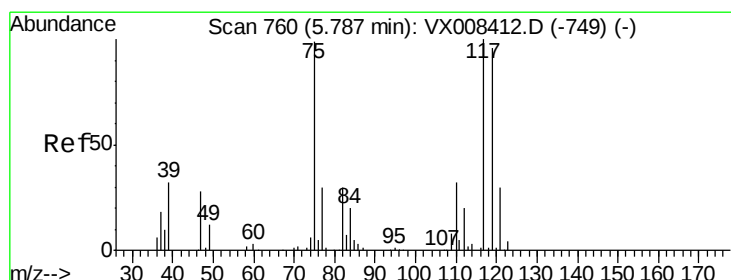
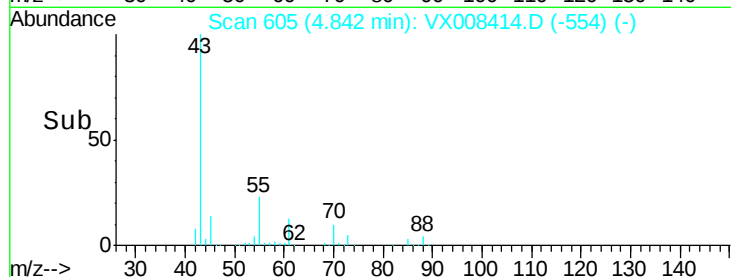
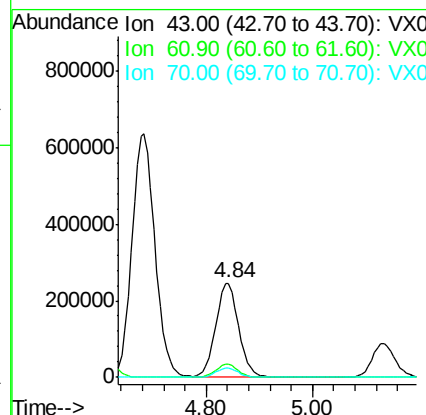
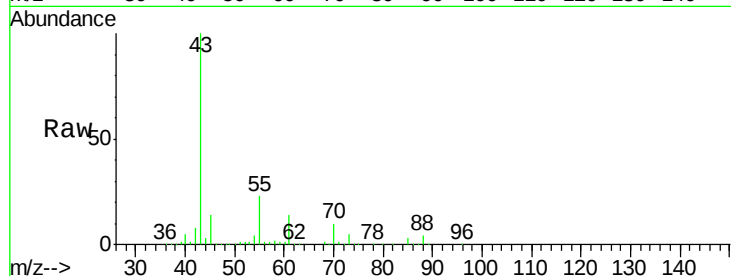
#37
Ethyl Acetate
Concen: 147.782 ug/l
RT: 4.84 min Scan# 605
Delta R.T. 0.01 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.5	15.7
70	9.7	7.8	11.8

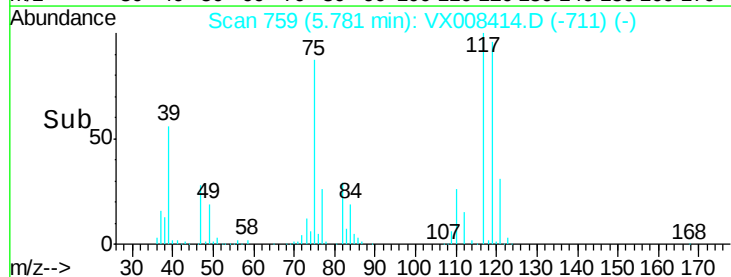
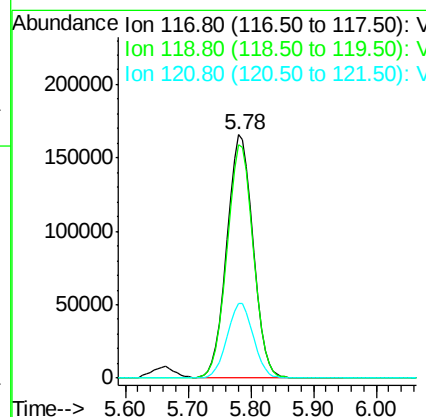
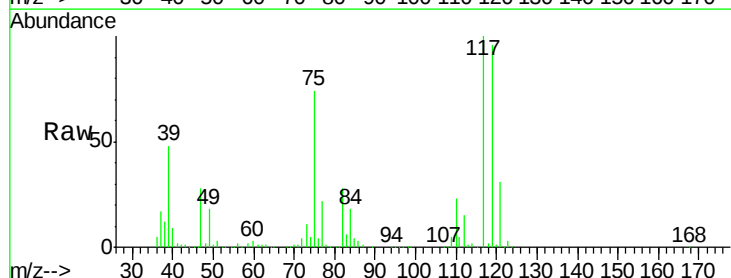
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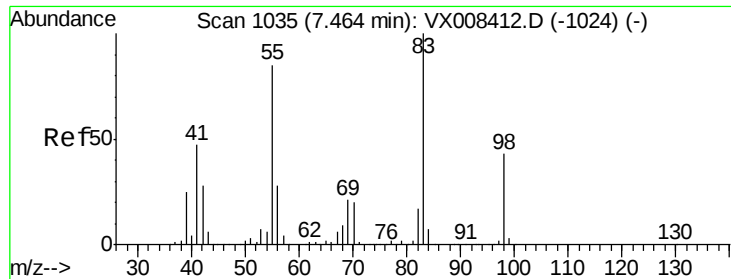
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#38
Carbon Tetrachloride
Concen: 152.278 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.7	115.1
121	30.5	24.3	36.5





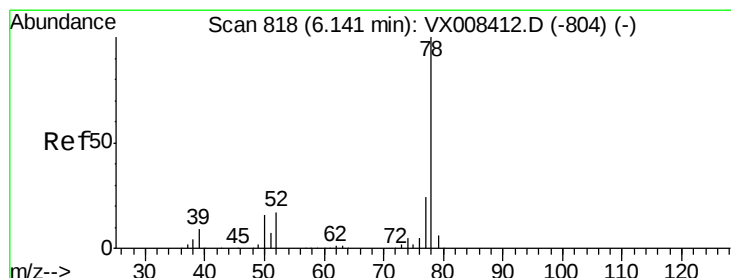
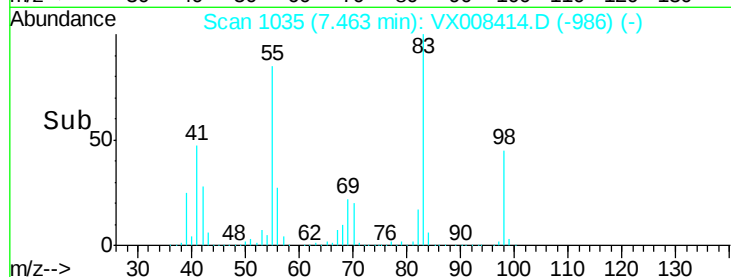
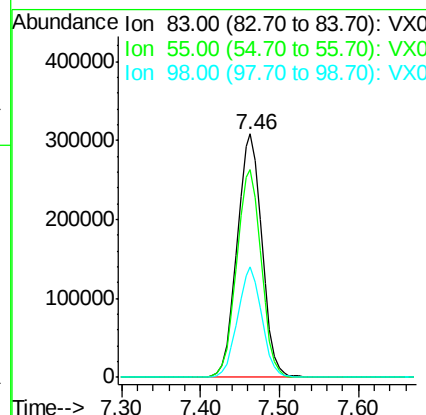
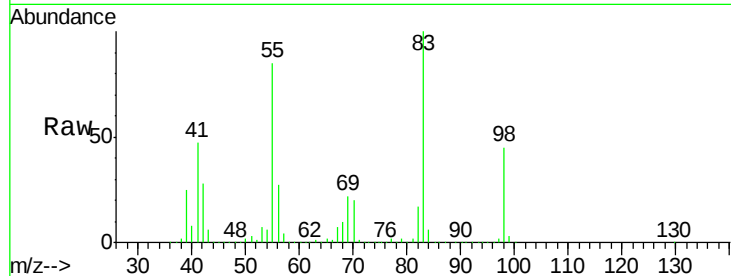
#39
Methvlcvclohexane
Concen: 149.118 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.2	68.2	102.4
98	45.3	34.2	51.4

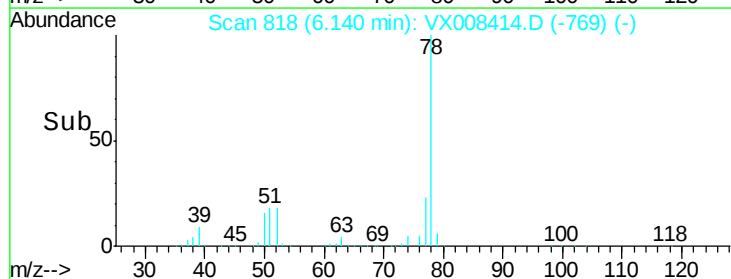
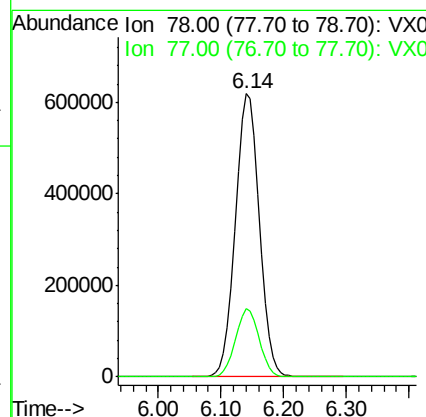
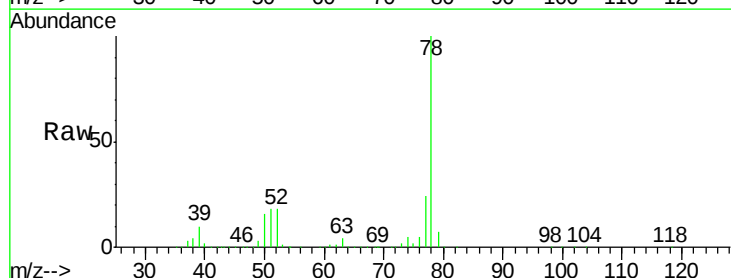
Manual Integrations
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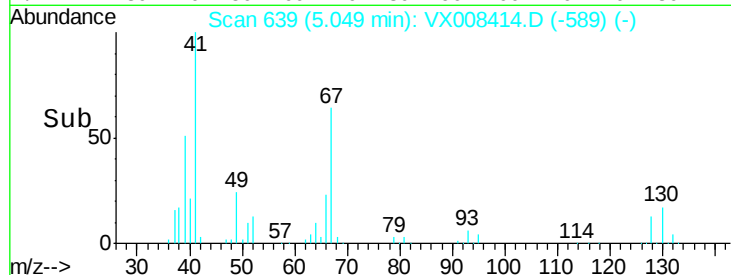
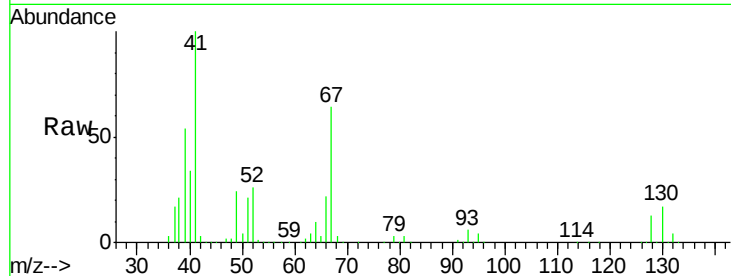
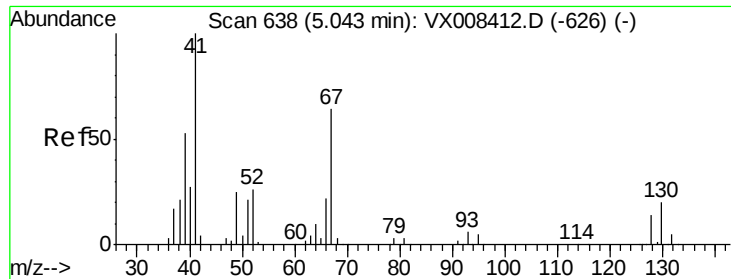
MMDadoda
3/26/2019 9:46:45 AM



#40
Benzene
Concen: 145.952 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9





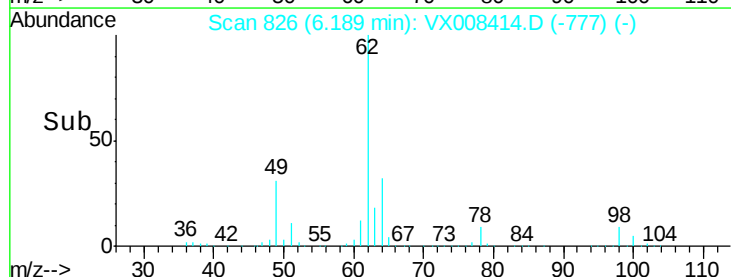
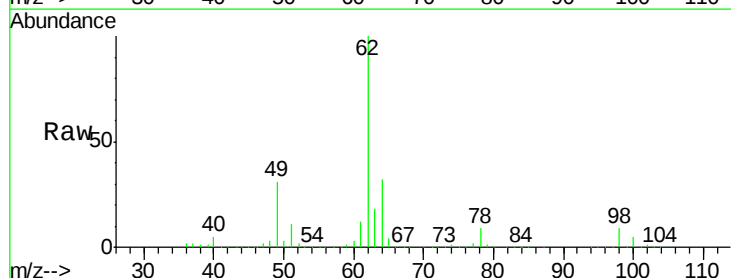
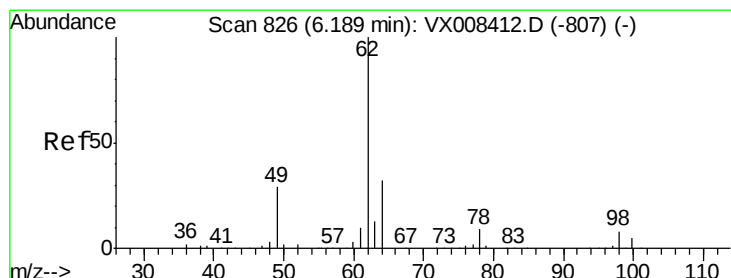
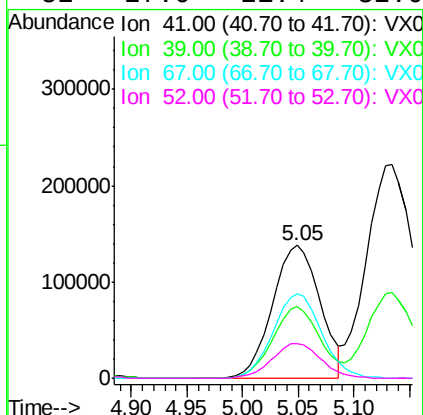
#41
Methacrylonitrile
Concen: 151.433 ug/l
RT: 5.05 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.1	42.6	64.0	
67	65.4	52.2	78.4	
52	27.0	21.4	32.0	

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

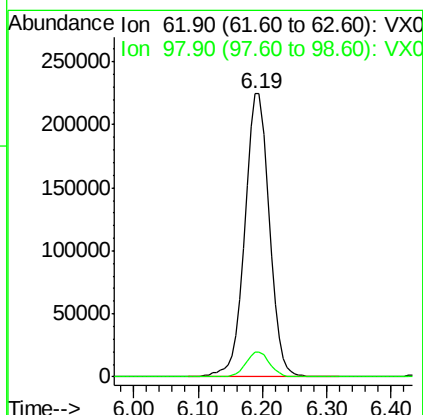
Manual Integrations
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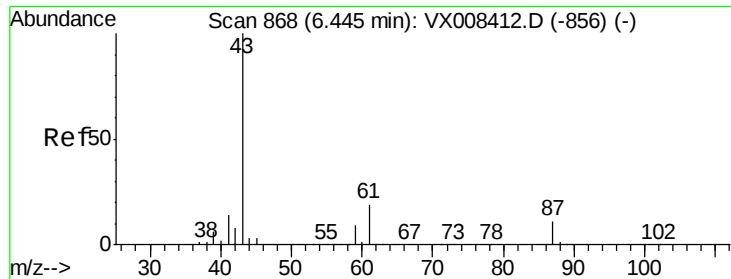
MMDadoda
3/26/2019 9:46:45 AM



#42
1,2-Dichloroethane
Concen: 143.324 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	17.6	





#43

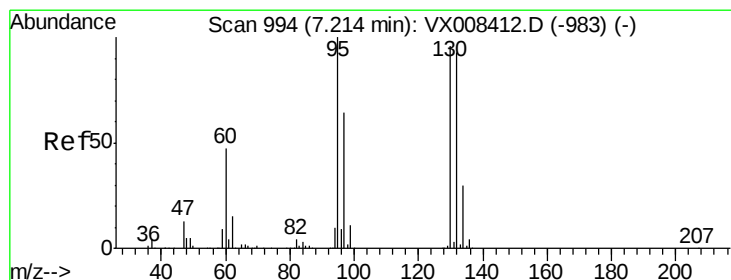
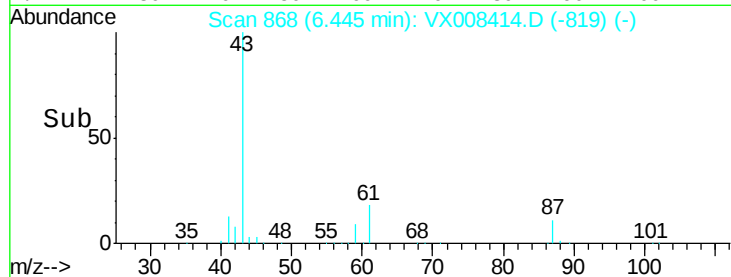
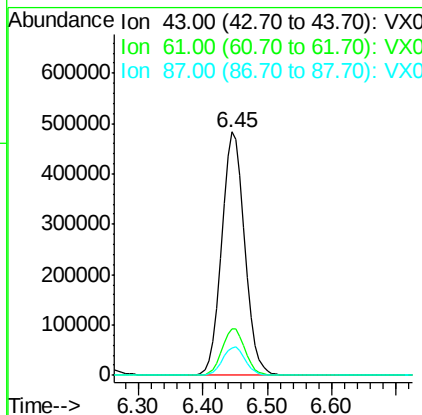
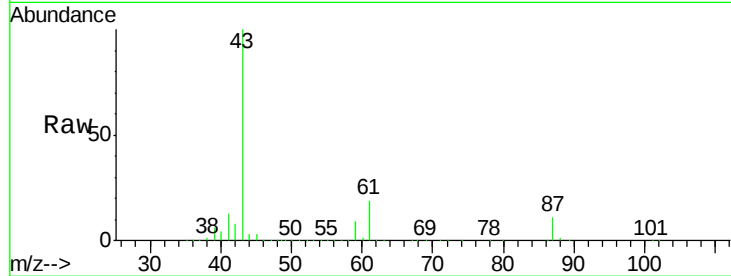
Isopropyl Acetate
 Concen: 157.556 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX008414.D
 Acq: 25 Mar 2019 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.4	23.2
87	11.5	9.1	13.7

Manual Integrations
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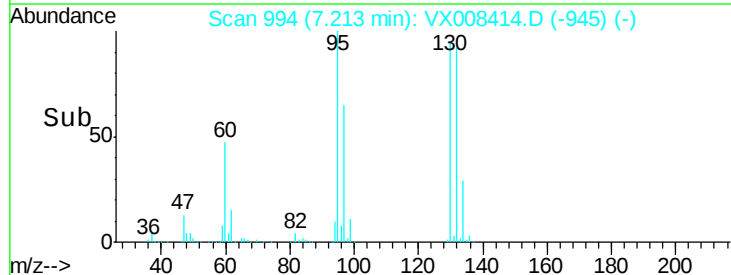
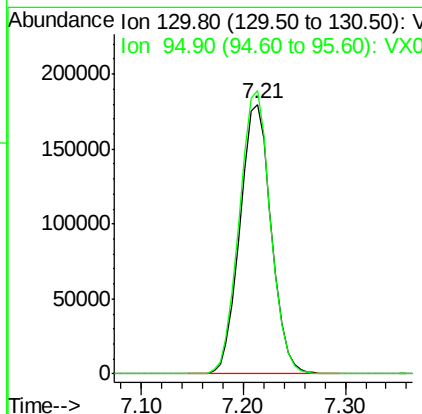
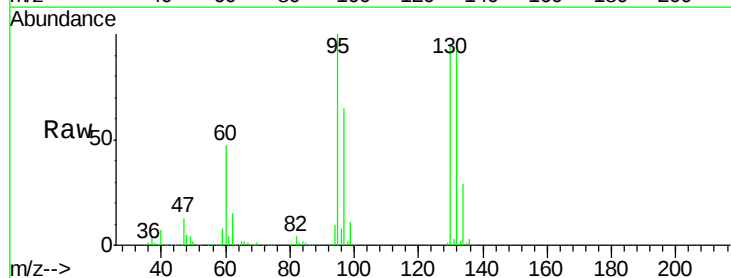
MMDadoda
 3/26/2019 9:46:45 AM

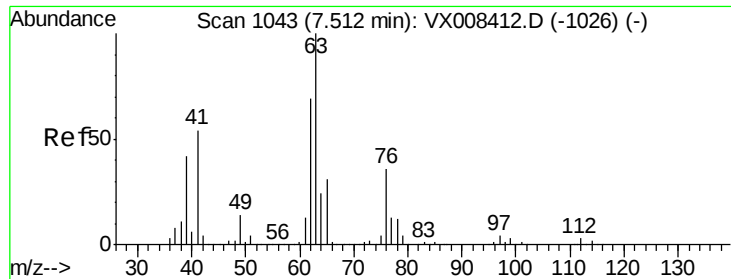


#44

Trichloroethene
 Concen: 147.400 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008414.D
 Acq: 25 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	208.8





#45

1,2-Dichloropropane

Concen: 147.584 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 63 Resp: 468095

Ion Ratio Lower Upper

63 100

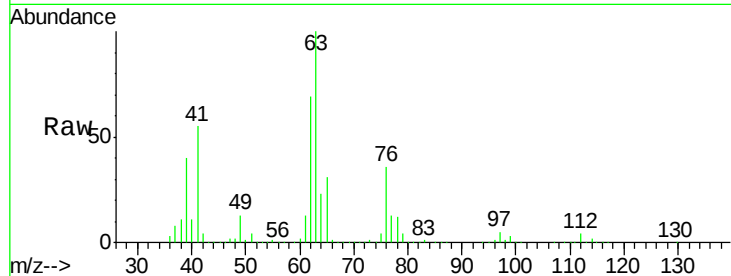
65 30.6 25.1 37.7

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

250000

200000

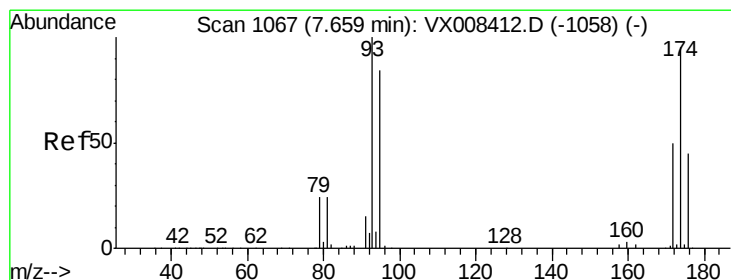
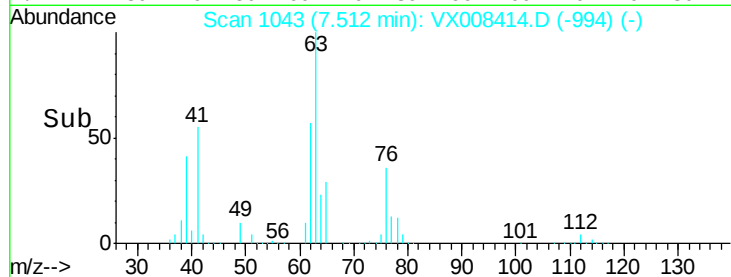
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#46

Dibromomethane

Concen: 146.500 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

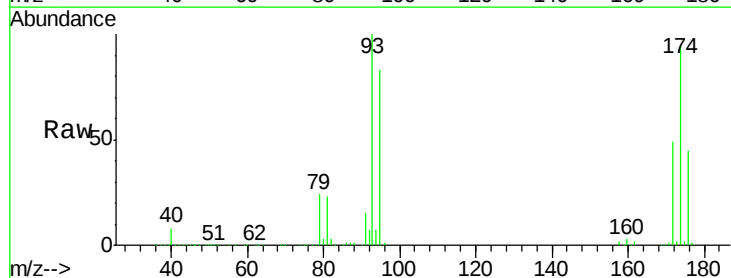
Tgt Ion: 93 Resp: 275197

Ion Ratio Lower Upper

93 100

95 83.2 67.0 100.6

174 94.6 76.0 114.0



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

200000

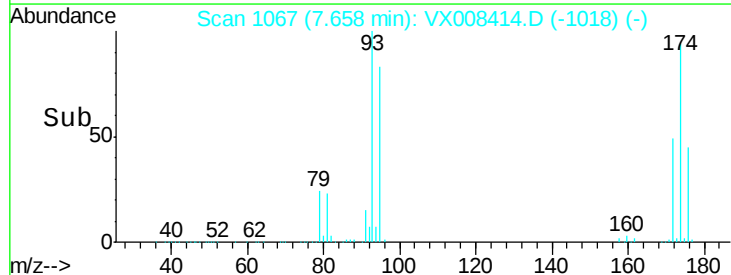
150000

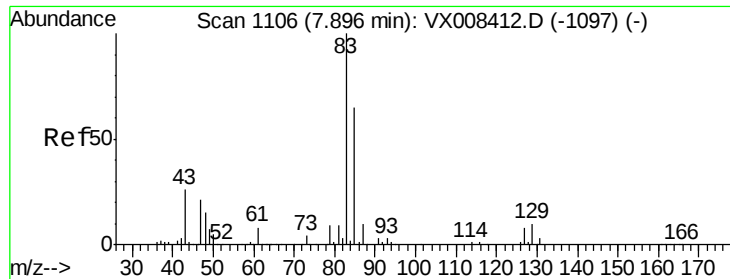
100000

50000

0

Time--> 7.60 7.70 7.80





#47

Bromodichloromethane

Concen: 156.229 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Instrument :

MSVOA_X

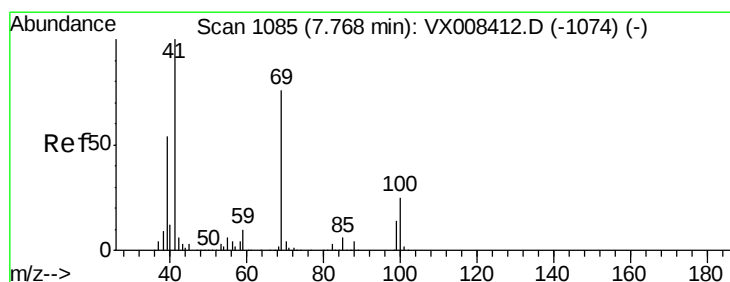
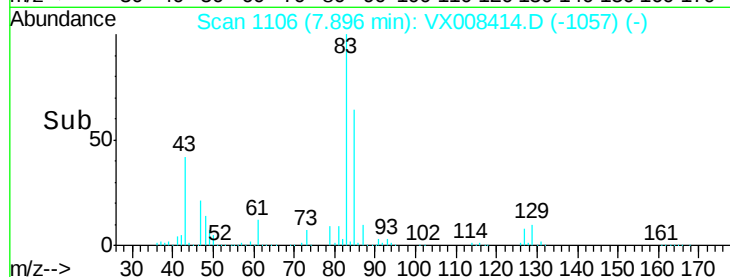
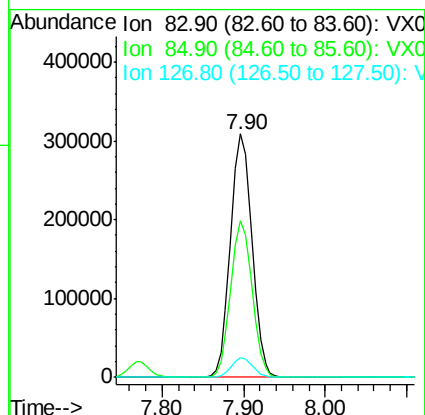
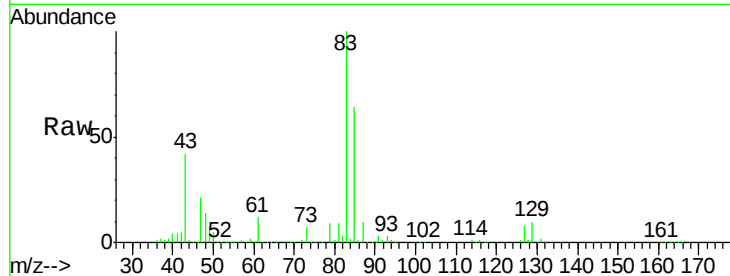
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	560747
Ion Ratio	Lower	Upper	
83	100		
85	64.3	52.0	78.0
127	8.0	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 157.330 ug/l

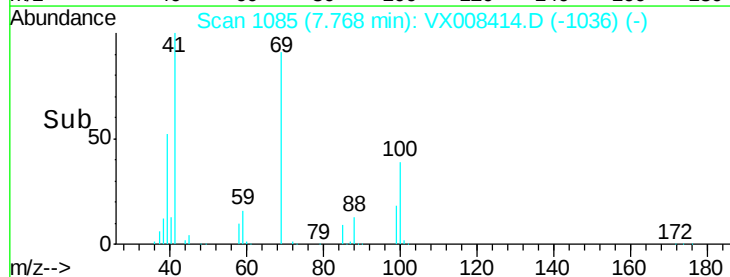
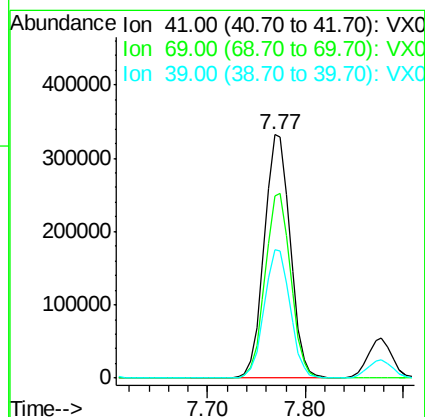
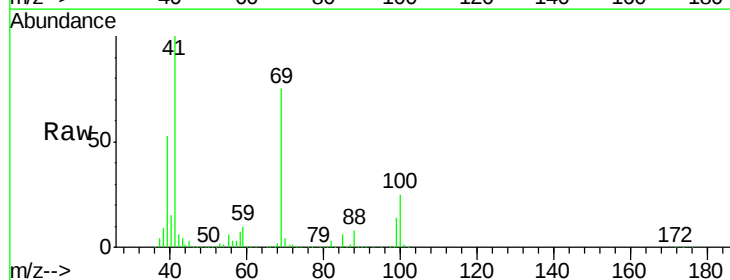
RT: 7.77 min Scan# 1085

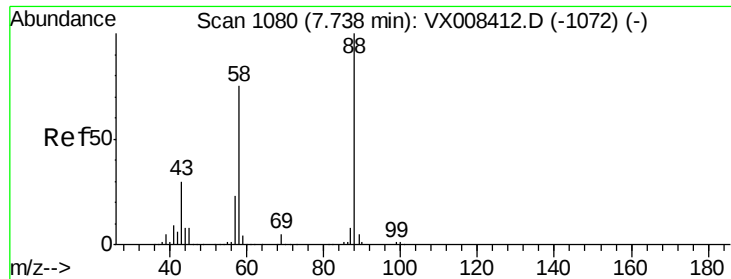
Delta R.T. -0.00 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Tgt Ion:	41	Resp:	615860
Ion Ratio	Lower	Upper	
41	100		
69	74.7	60.8	91.2
39	52.0	42.3	63.5





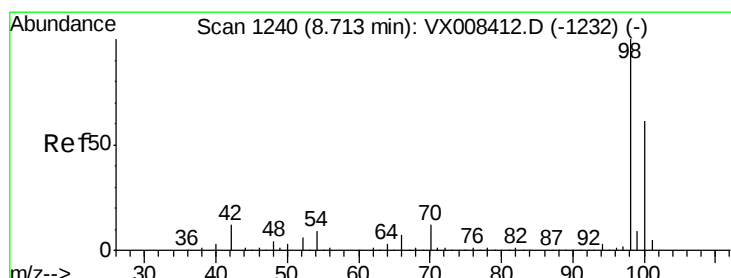
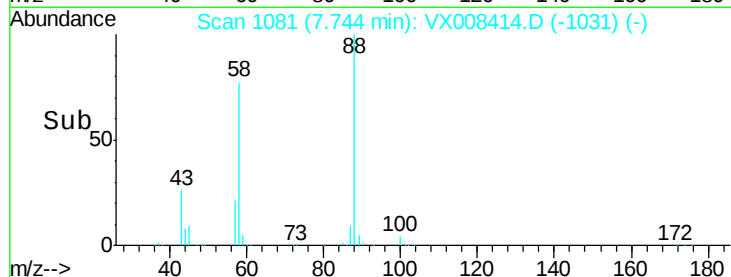
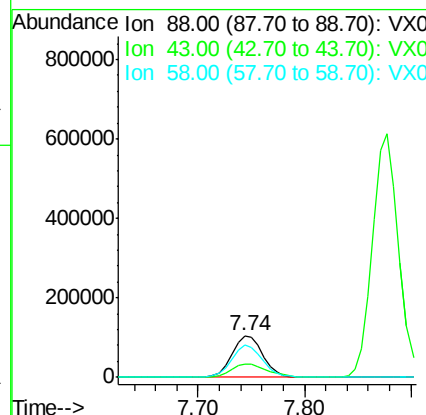
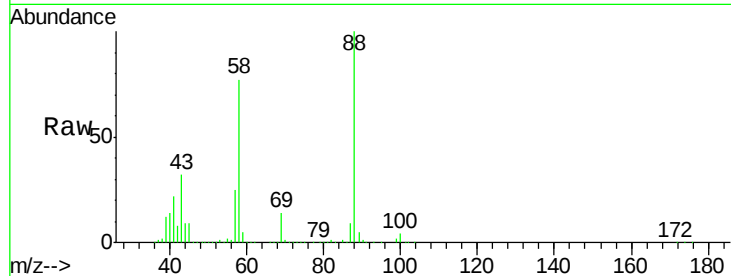
#49
1,4-Dioxane
Concen: 2645.146 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100	209026		
43	37.3		28.6	43.0
58	79.0		63.0	94.4

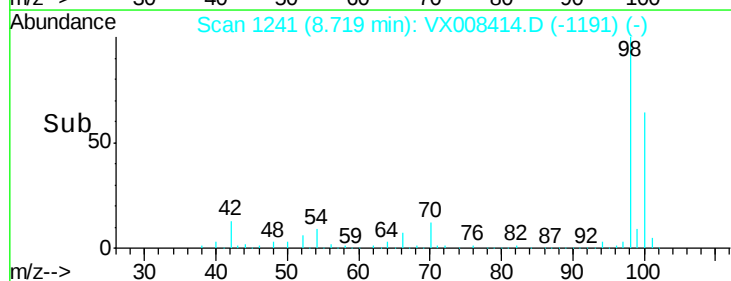
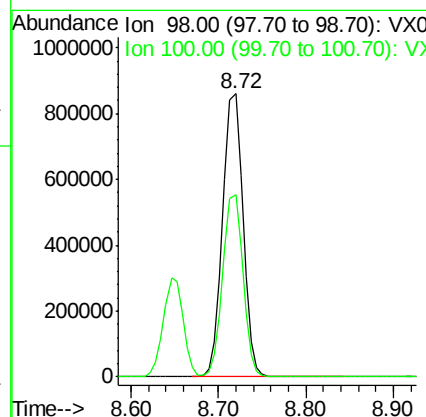
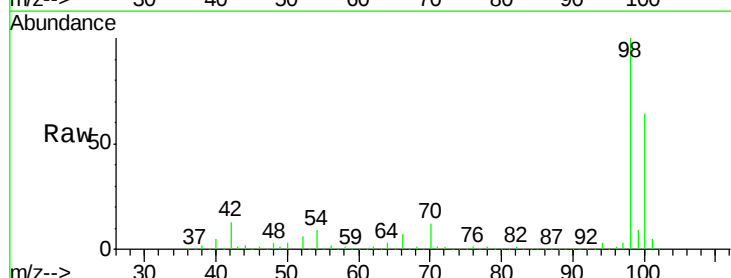
Manual Integrations
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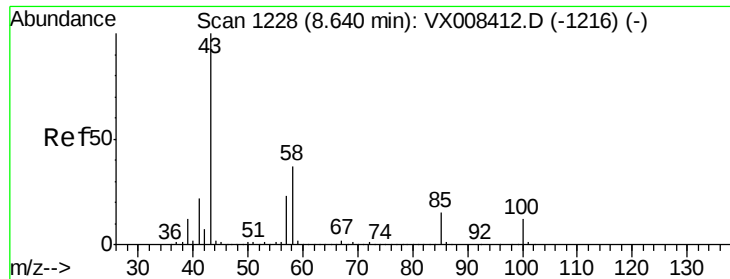
MMDadoda
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#50
Toluene-d8
Concen: 150.340 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1391856		
100	64.1		51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 742.115 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3779987

Ion Ratio Lower Upper

43 100

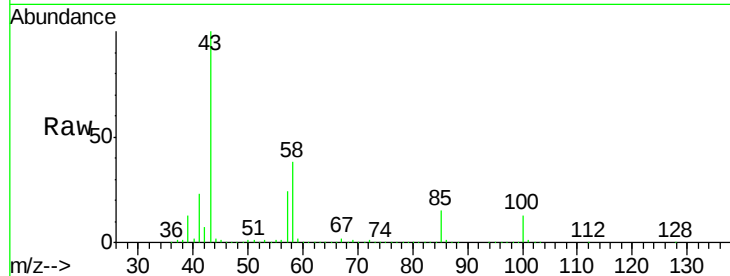
58 38.1 29.8 44.8

Manual Integrations

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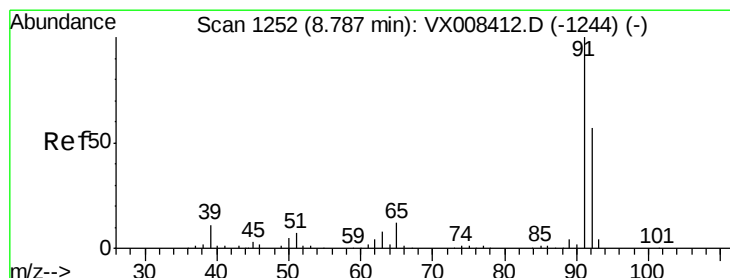
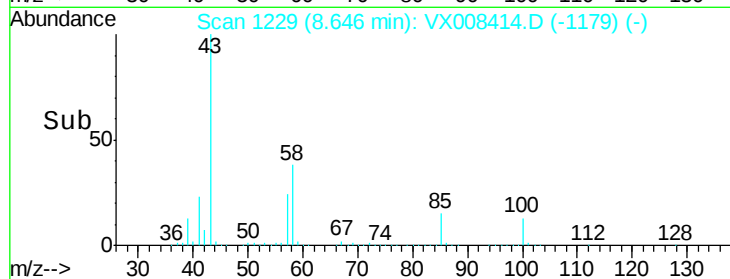
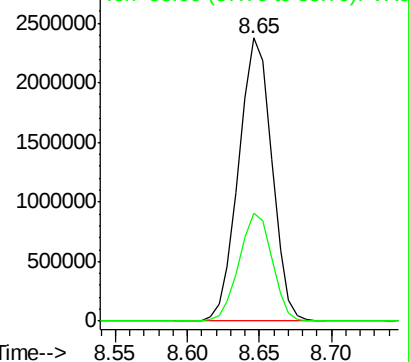
MMDadoda

3/26/2019 9:46:45 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 151.300 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008414.D

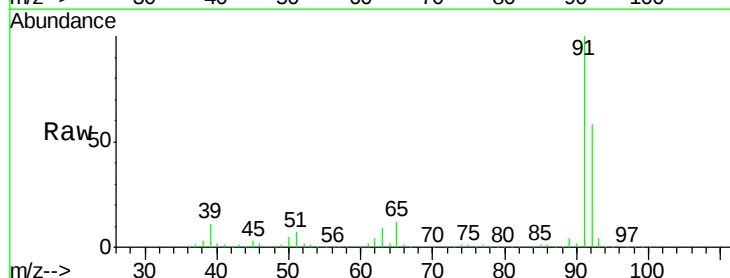
Acq: 25 Mar 2019 15:40

Tgt Ion: 92 Resp: 996297

Ion Ratio Lower Upper

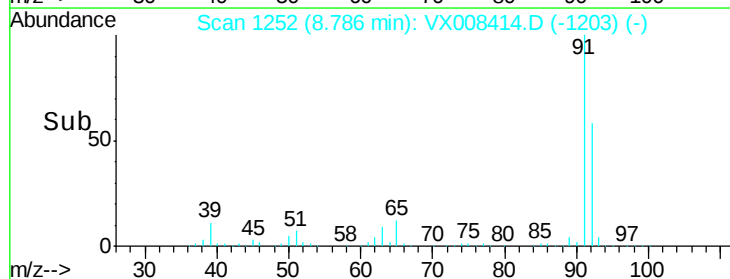
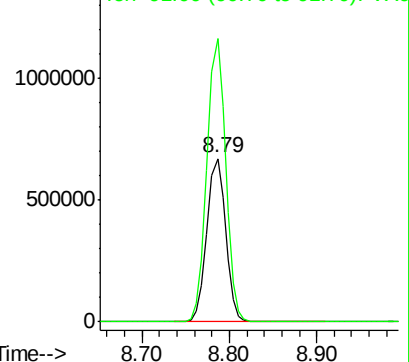
92 100

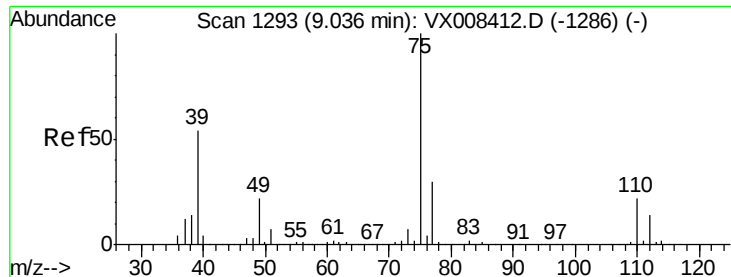
91 173.1 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





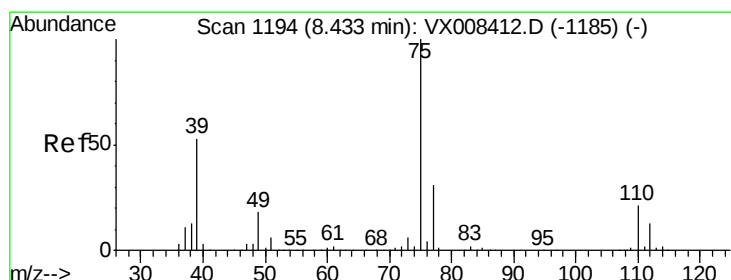
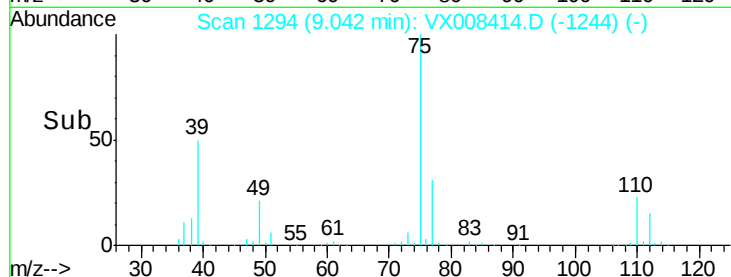
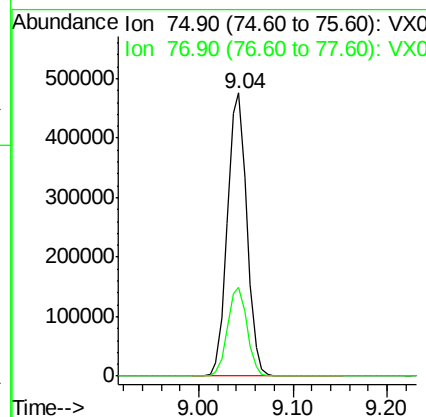
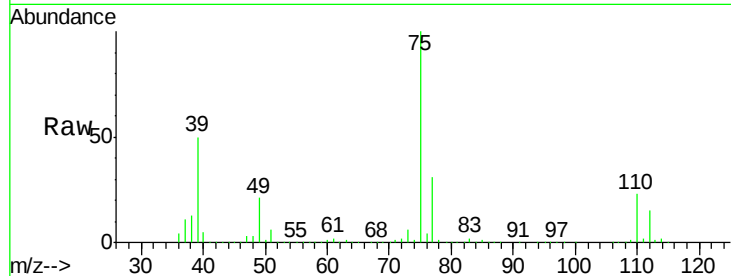
#53
 t-1,3-Dichloropropene
 Concen: 175.294 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.01 min
 Lab File: VX008414.D
 Acq: 25 Mar 2019 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 75 Resp: 677864
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.3 36.5

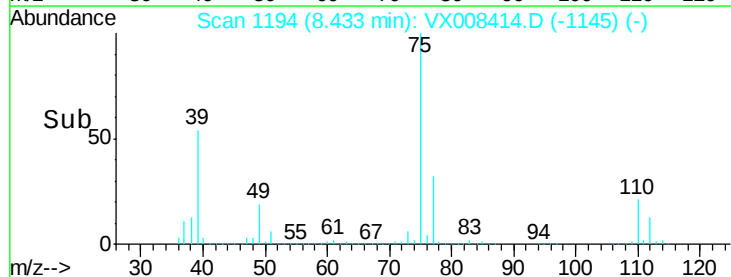
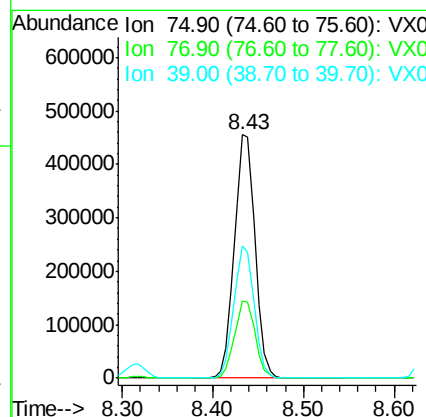
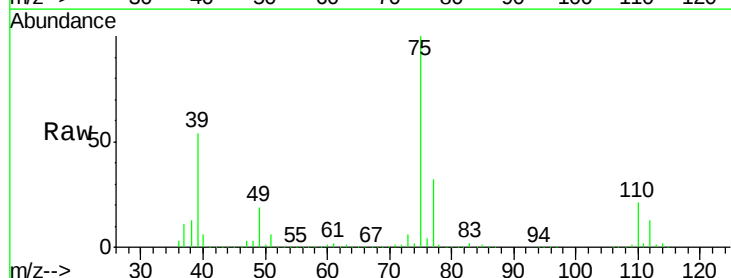
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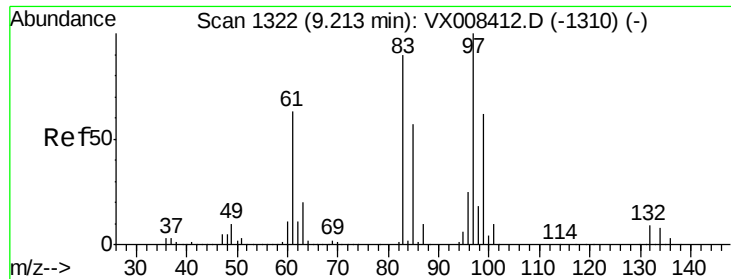
MMDadoda
 3/26/2019 9:46:45 AM



#54
 cis-1,3-Dichloropropene
 Concen: 165.103 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008414.D
 Acq: 25 Mar 2019 15:40

Tgt Ion: 75 Resp: 721348
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.7 37.1
 39 54.0 42.4 63.6





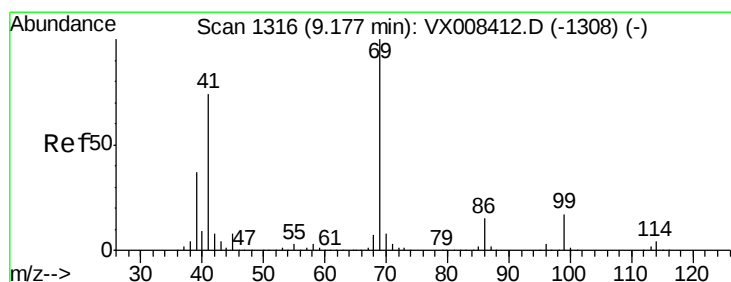
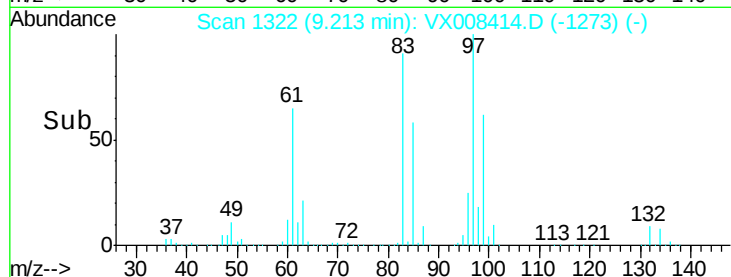
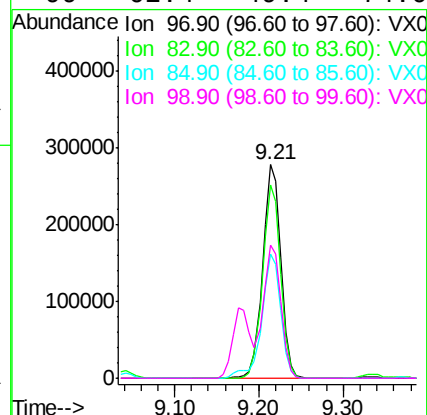
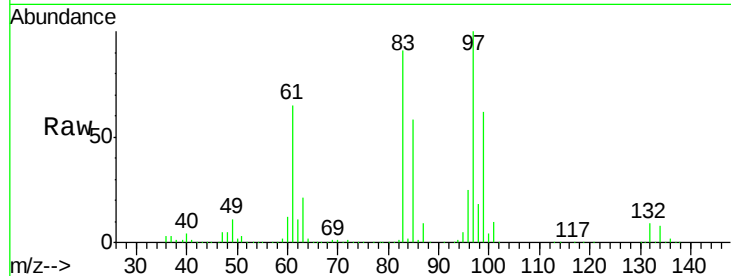
#55
 1,1,2-Trichloroethane
 Concen: 150.196 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008414.D
 Acq: 25 Mar 2019 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		410770		
83	90.8	71.8	107.6		
85	58.1	45.9	68.9		
99	62.4	49.4	74.0		

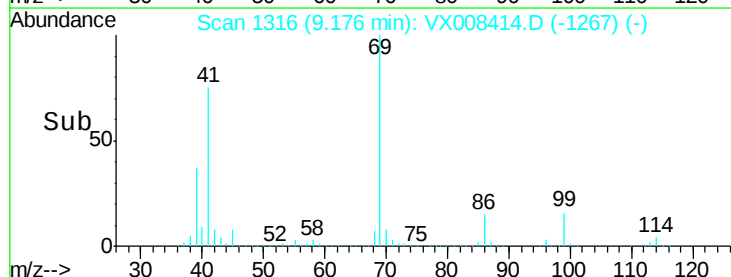
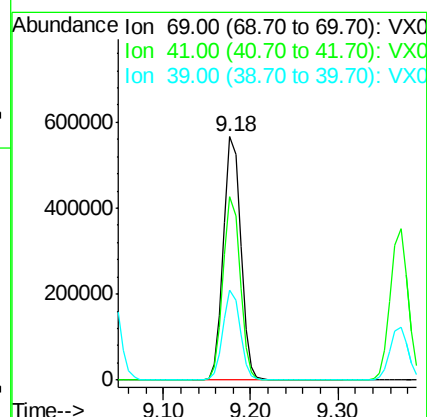
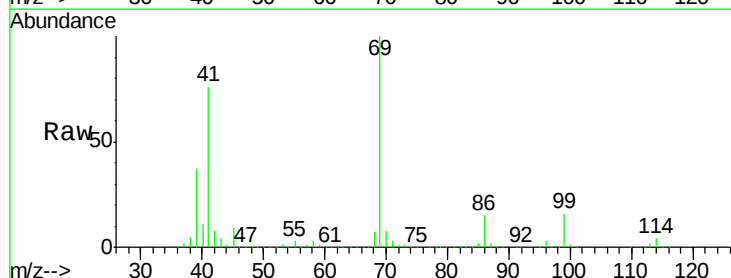
Manual Integrations
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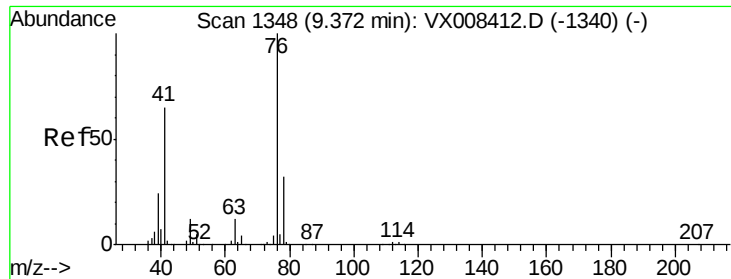
MMDadoda
 3/26/2019 9:46:45 AM



#56
 Ethyl methacrylate
 Concen: 160.544 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008414.D
 Acq: 25 Mar 2019 15:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		778417		
41	74.4	59.5	89.3		
39	36.6	29.3	43.9		





#57

1,3-Dichloropropane

Concen: 150.804 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 76 Resp: 733348

Ion Ratio Lower Upper

76 100

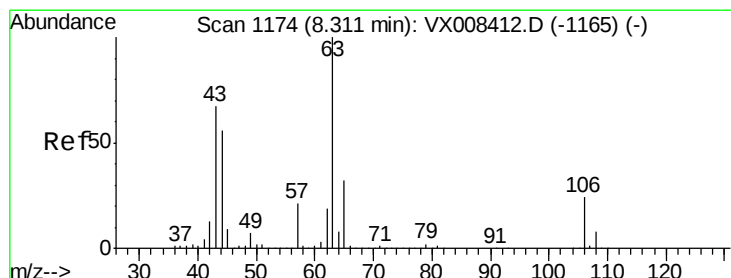
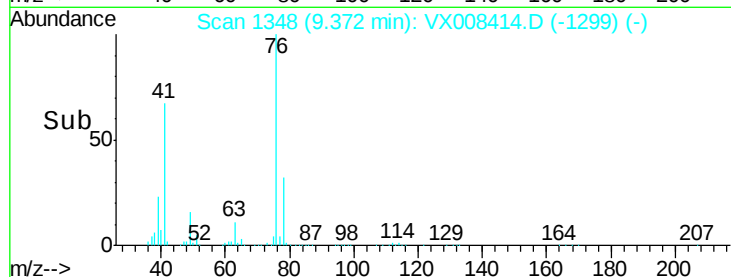
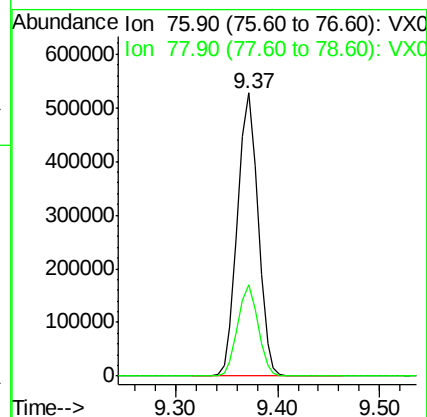
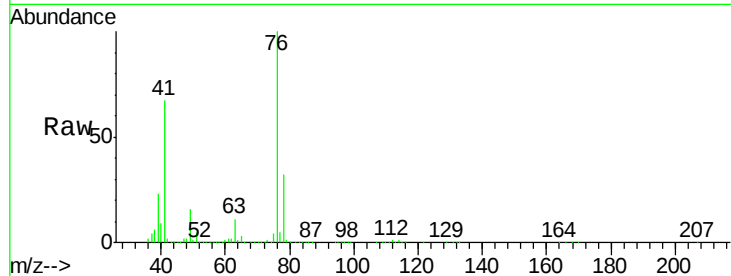
78 32.0 25.8 38.8

Manual Integrations

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3/26/2019 9:46:45 AM



#58

2-Chloroethyl Vinyl ether

Concen: 791.740 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VX008414.D

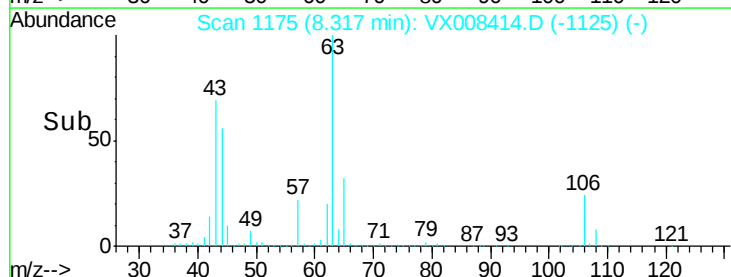
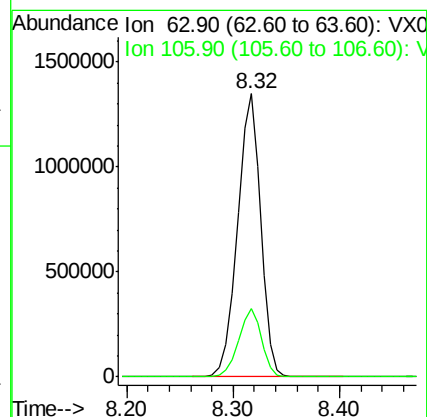
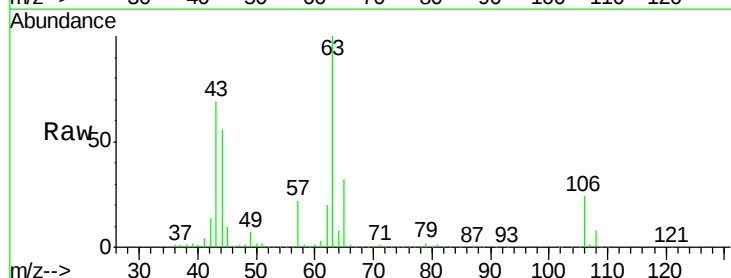
Acq: 25 Mar 2019 15:40

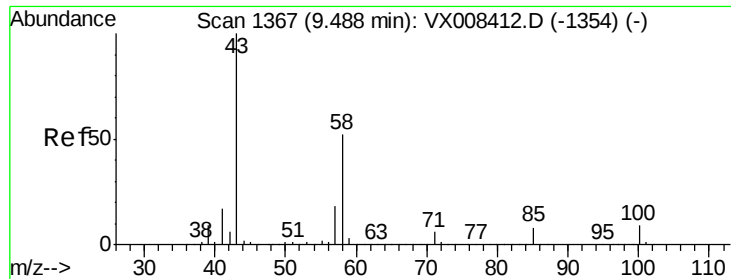
Tgt Ion: 63 Resp: 2050873

Ion Ratio Lower Upper

63 100

106 23.9 19.0 28.6





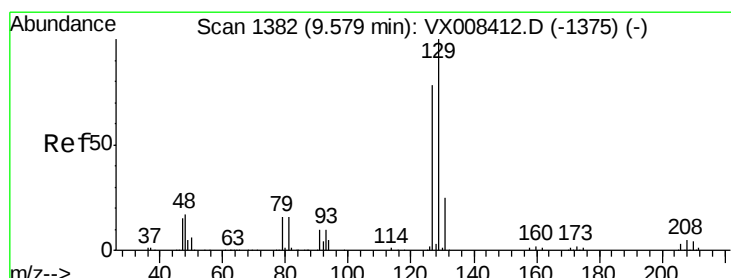
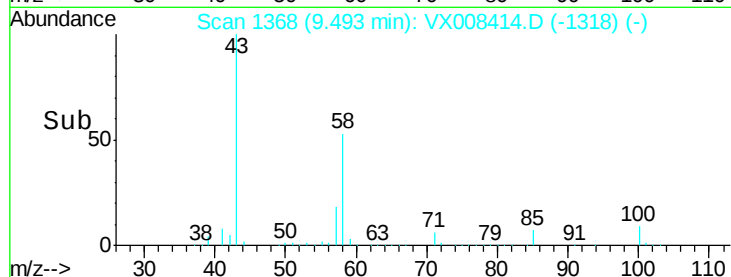
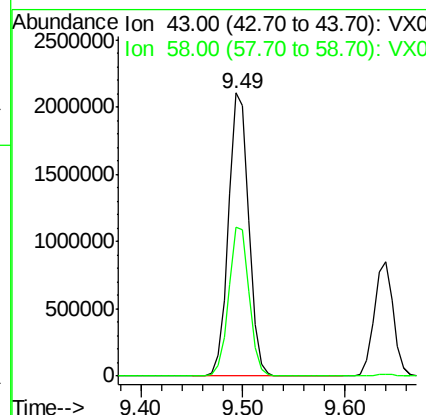
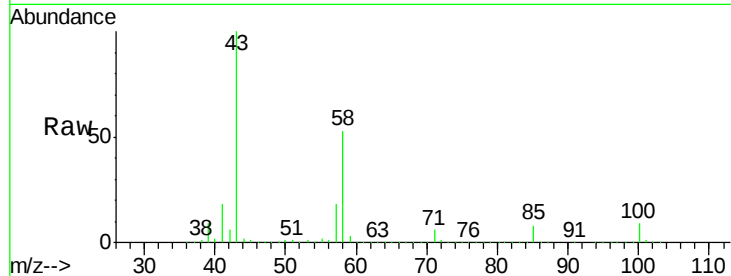
#59
2-Hexanone
Concen: 735.209 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2889309
Ion Ratio Lower Upper
43 100
58 52.9 26.3 78.9

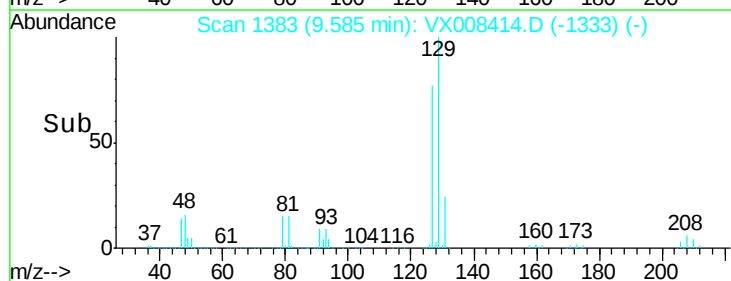
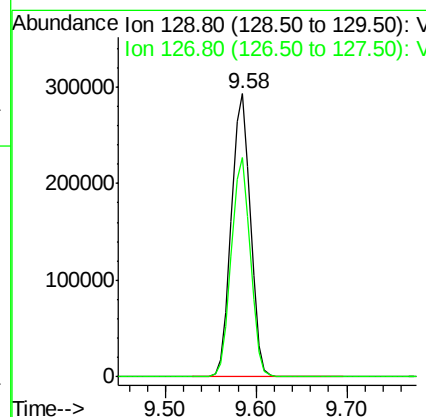
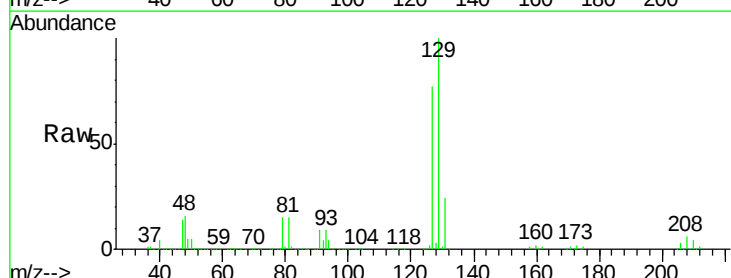
Manual Integrations
APPROVED

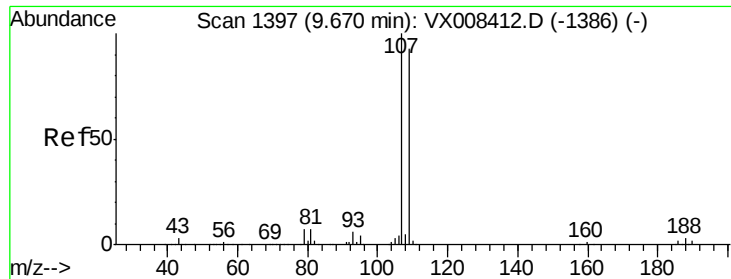
MMDadoda
3/26/2019 9:46:45 AM



#60
Dibromochloromethane
Concen: 168.685 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Tgt Ion: 129 Resp: 428691
Ion Ratio Lower Upper
129 100
127 77.3 38.1 114.3





#61

1,2-Dibromoethane

Concen: 155.629 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 431471

Ion Ratio Lower Upper

107 100

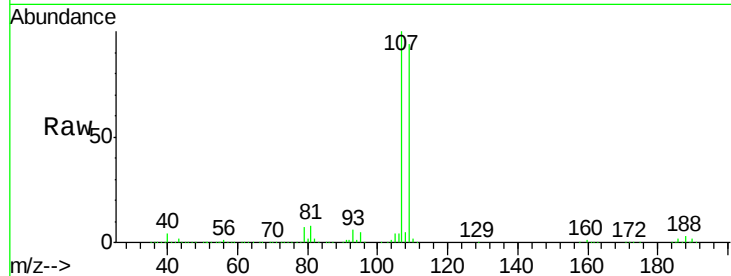
109 93.8 74.6 111.8

Manual Integrations

APPROVED

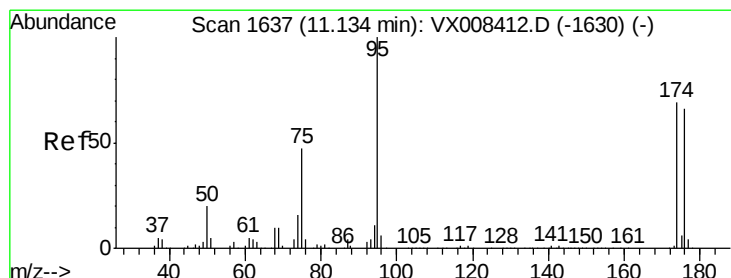
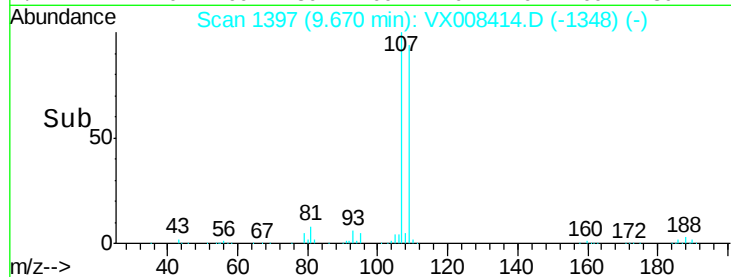
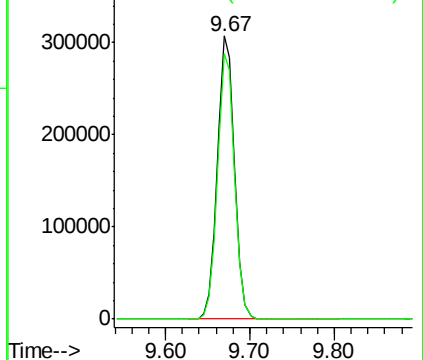
MMDadoda

3/26/2019 9:46:45 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 153.811 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

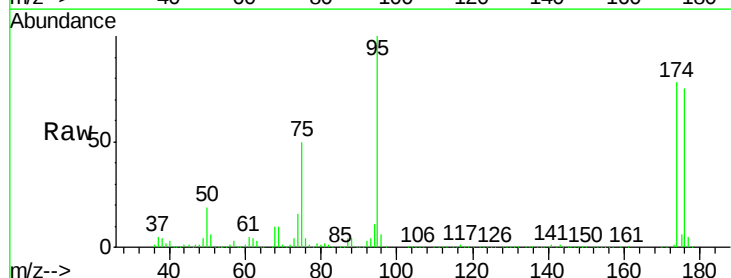
Tgt Ion: 95 Resp: 526269

Ion Ratio Lower Upper

95 100

174 74.9 0.0 147.2

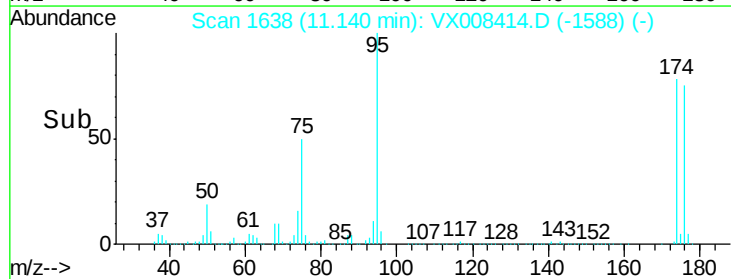
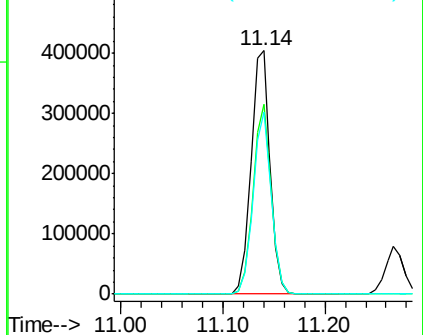
176 72.2 0.0 142.4

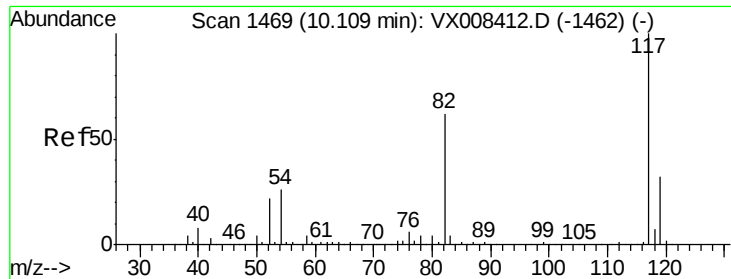


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





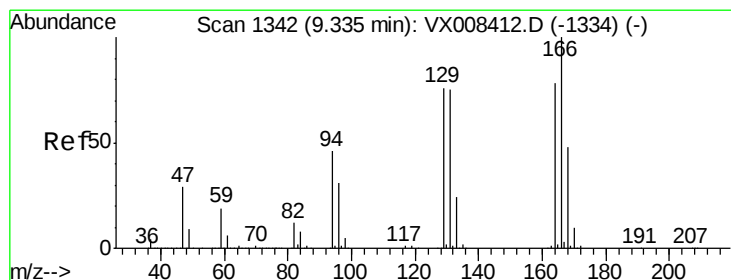
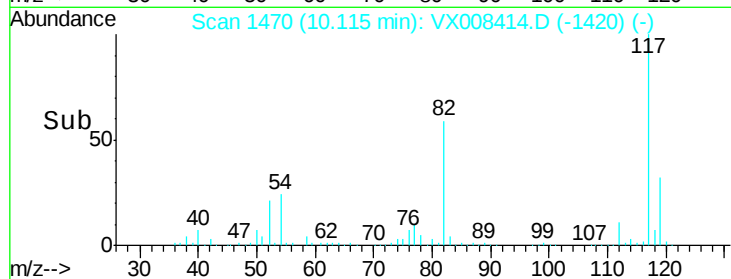
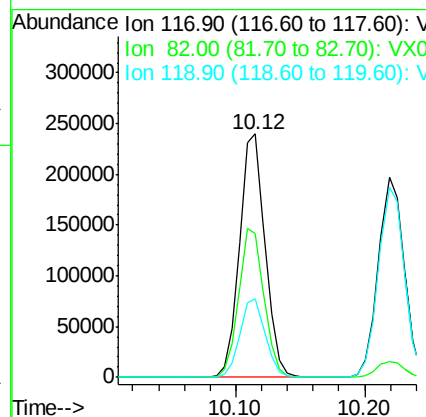
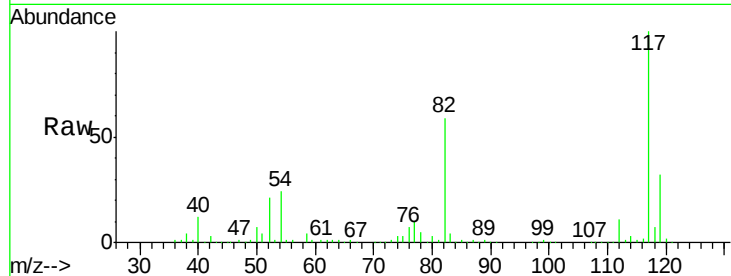
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.0	49.4	74.2
119	32.0	25.4	38.0

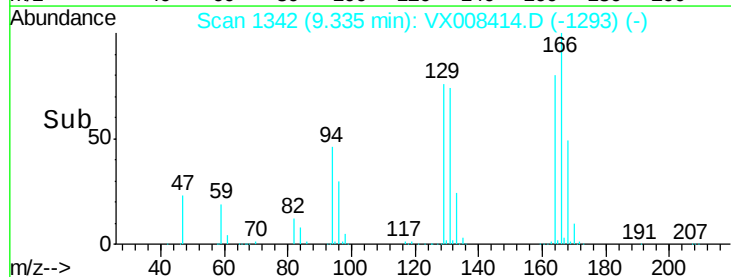
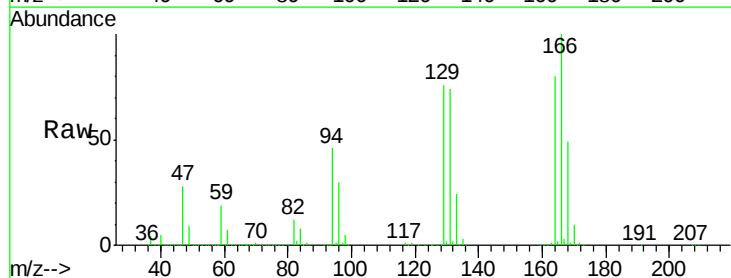
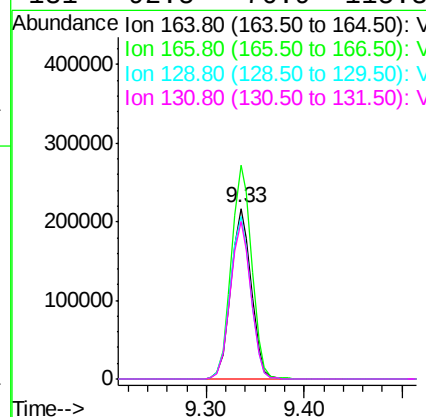
Manual Integrations
APPROVED

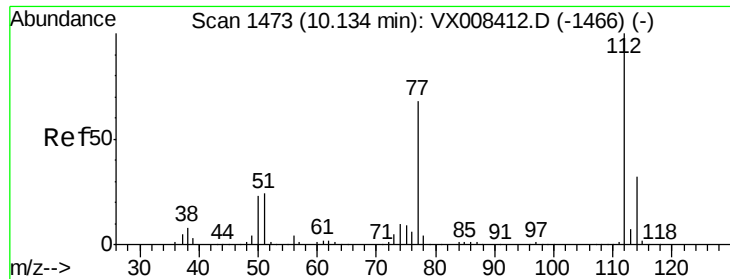
MMDadoda
3/26/2019 9:46:45 AM



#64
Tetrachloroethene
Concen: 144.200 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	102.5	153.7
129	95.5	77.8	116.8
131	92.5	76.9	115.3





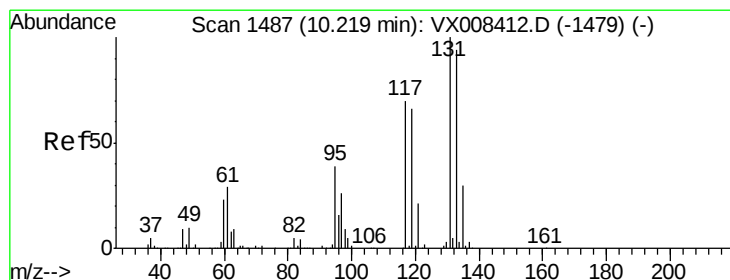
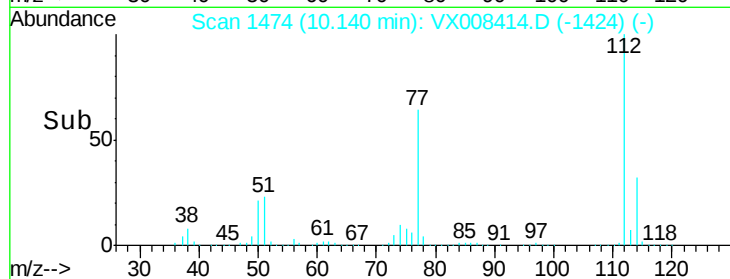
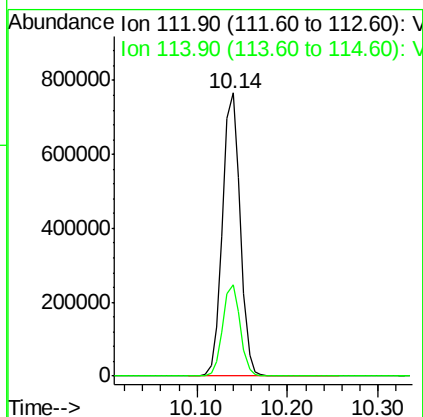
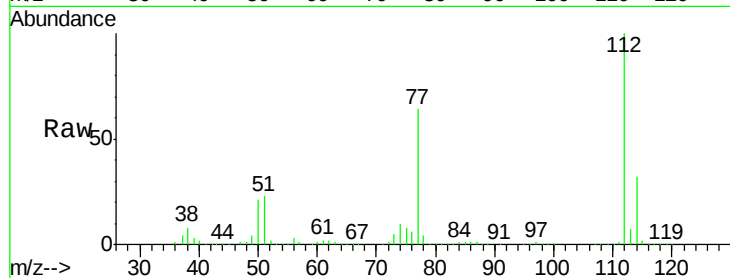
#65
Chlorobenzene
Concen: 150.011 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1040711
Ion Ratio Lower Upper
112 100
114 32.4 25.4 38.2

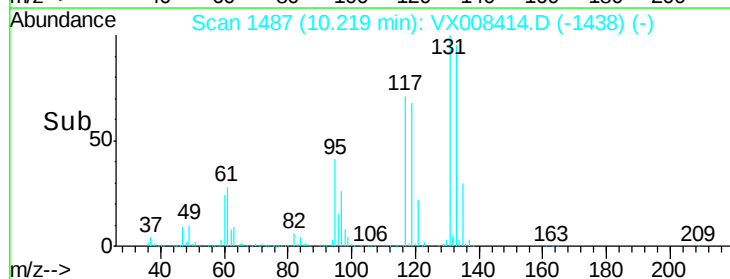
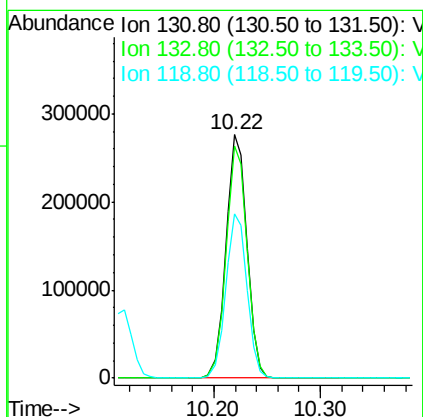
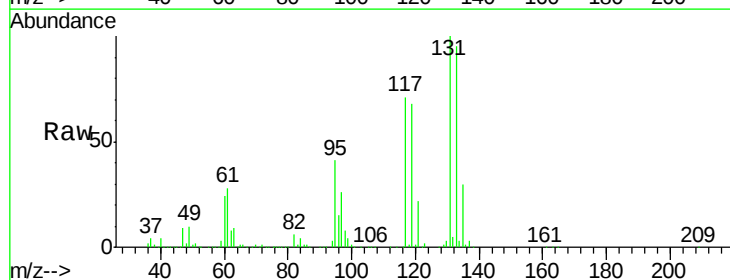
Manual Integrations
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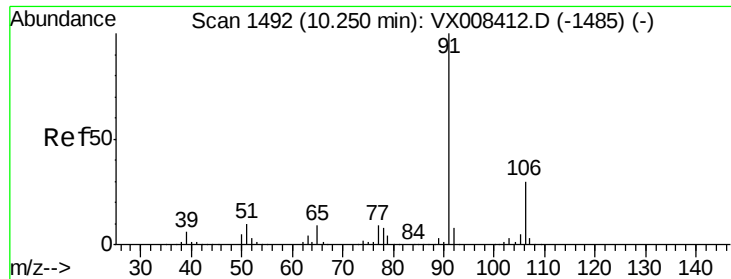
MMDadoda
3/26/2019 9:46:45 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 157.721 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Tgt Ion:131 Resp: 379697
Ion Ratio Lower Upper
131 100
133 95.6 47.3 141.8
119 68.3 33.6 100.6





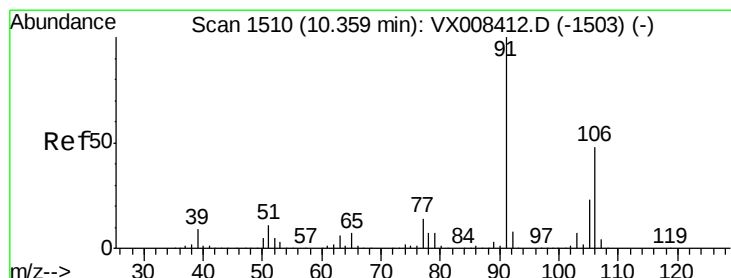
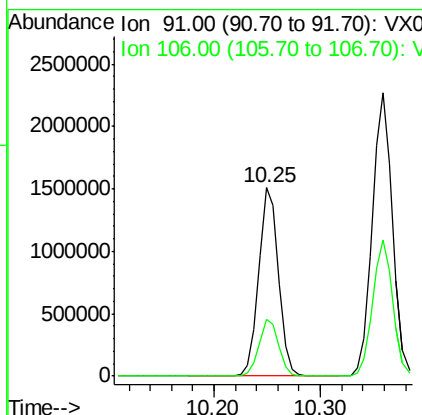
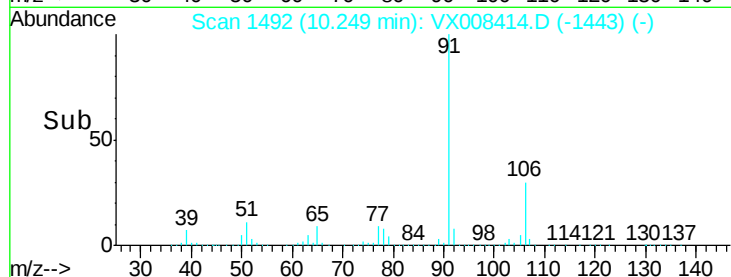
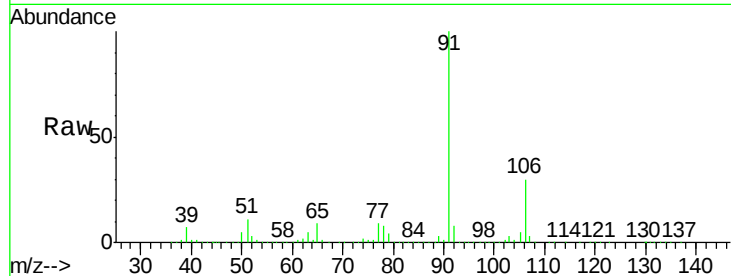
#67
Ethyl Benzene
Concen: 151.045 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1966128
Ion Ratio Lower Upper
91 100
106 30.2 24.0 36.0

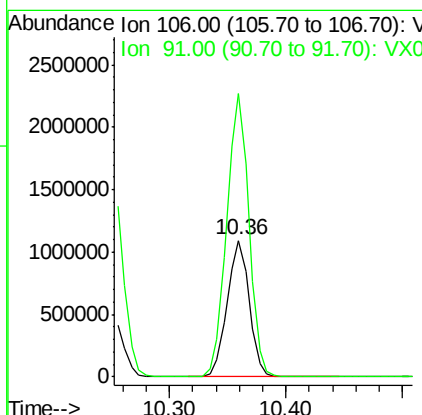
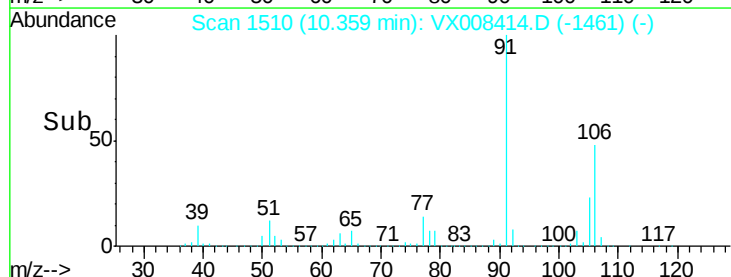
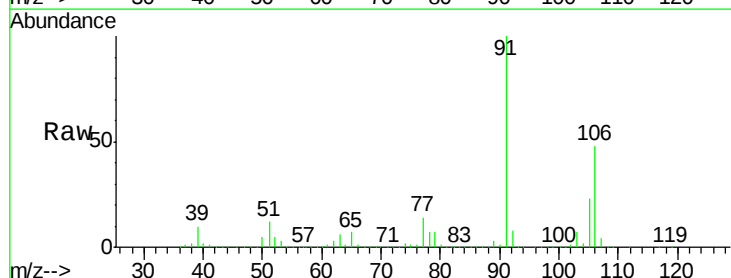
Manual Integrations
APPROVED

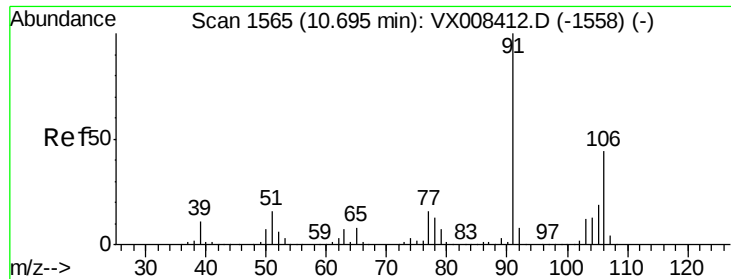
MMDadoda
3/26/2019 9:46:45 AM



#68
m/p-Xylenes
Concen: 307.075 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Tgt Ion: 106 Resp: 1436080
Ion Ratio Lower Upper
106 100
91 208.8 168.6 253.0





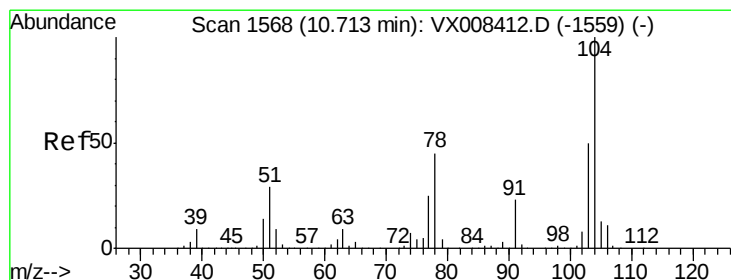
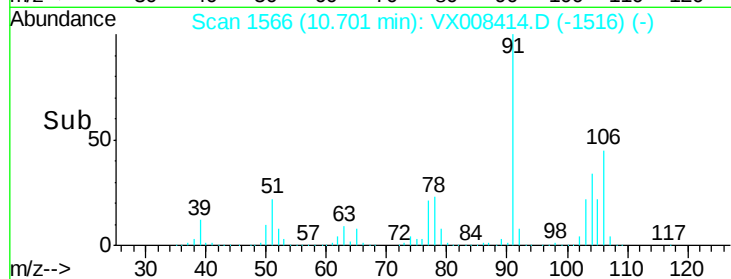
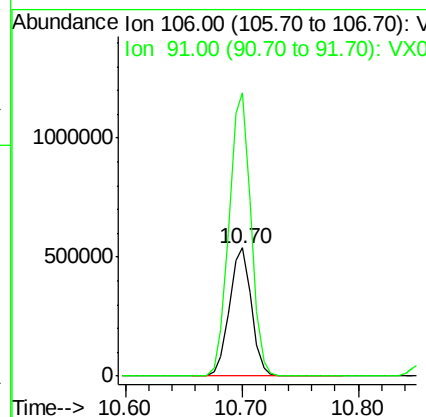
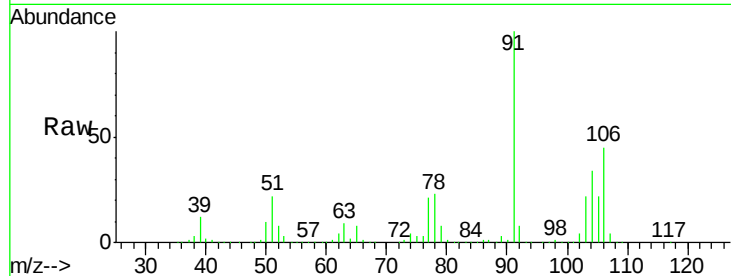
#69
o-Xylene
Concen: 152.802 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 698815
Ion Ratio Lower Upper
106 100
91 220.9 111.4 334.2

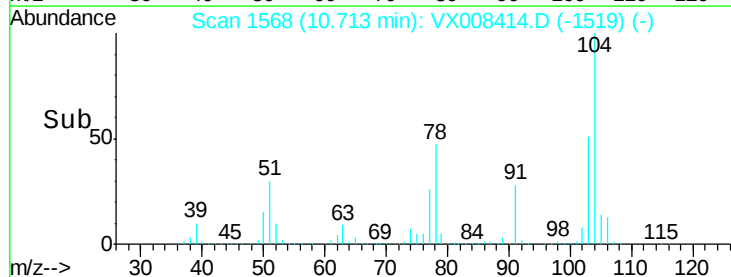
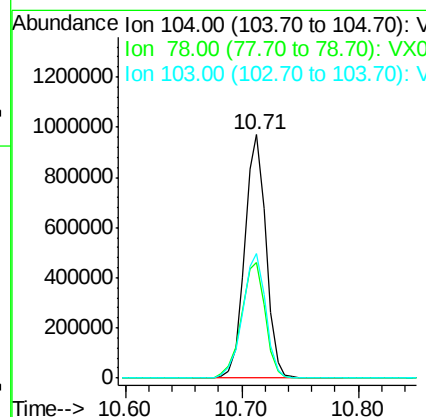
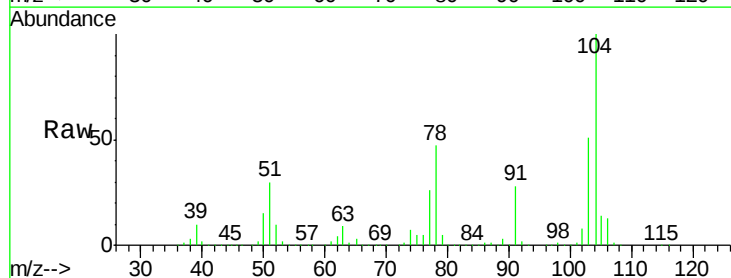
Manual Integrations
APPROVED

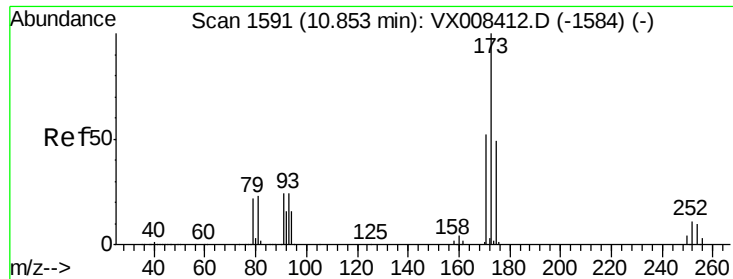
MMDadoda
3/26/2019 9:46:45 AM



#70
Styrene
Concen: 155.794 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Tgt Ion:104 Resp: 1236017
Ion Ratio Lower Upper
104 100
78 53.0 42.5 63.7
103 55.6 44.2 66.4





#71

Bromoform

Concen: 173.622 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 324030

Ion Ratio Lower Upper

173 100

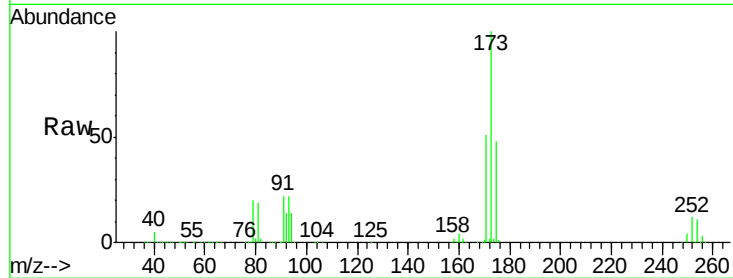
175 48.3 24.3 72.8

254 0.2 0.2 0.2#

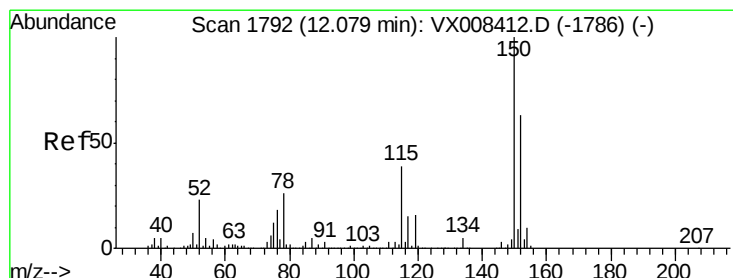
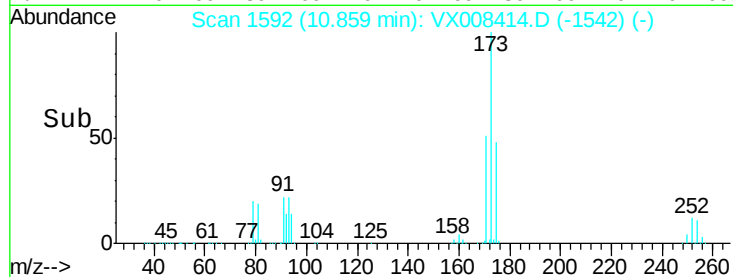
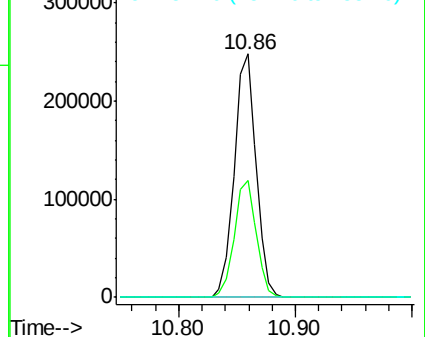
Manual Integrations
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3/26/2019 9:46:45 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

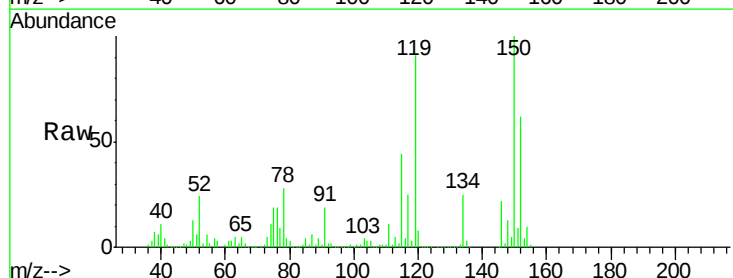
Tgt Ion:152 Resp: 159725

Ion Ratio Lower Upper

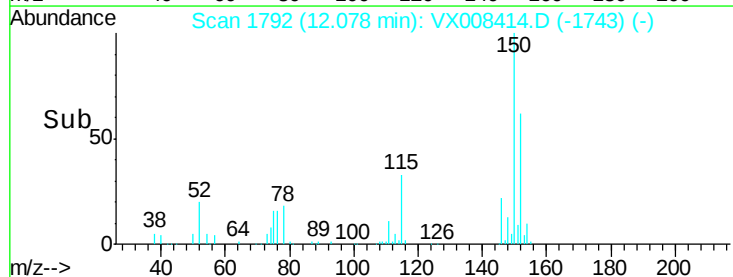
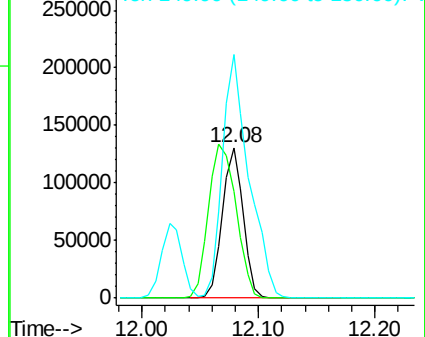
152 100

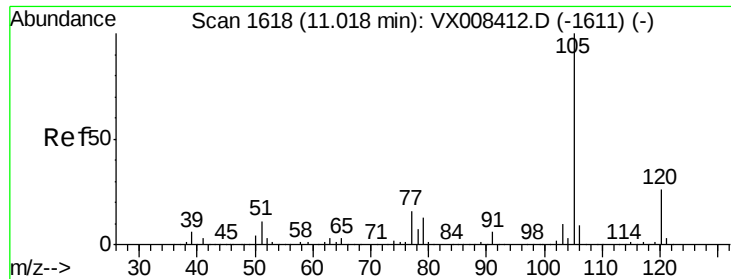
115 136.9 43.5 130.5#

150 208.2 0.0 348.8



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





#73

Isopropylbenzene

Concen: 146.459 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1846491

Ion Ratio Lower Upper

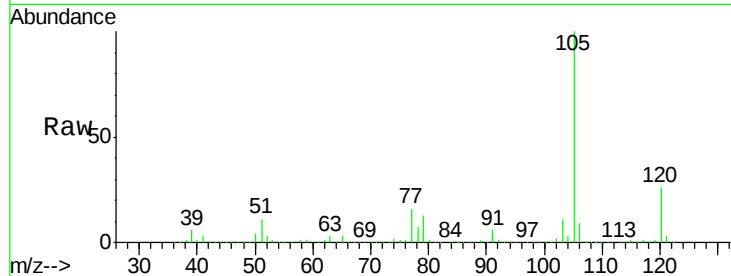
105 100

120 25.7 12.9 38.7

Manual Integrations
APPROVED

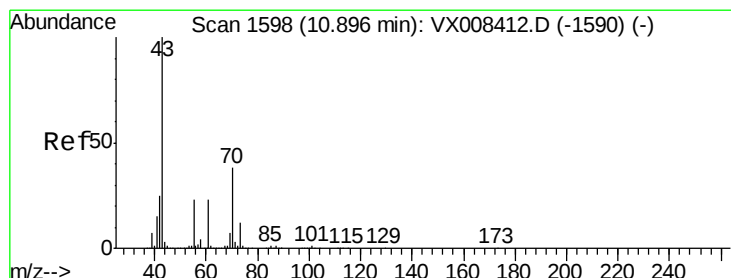
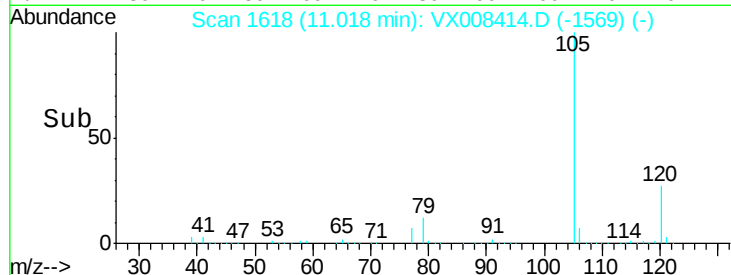
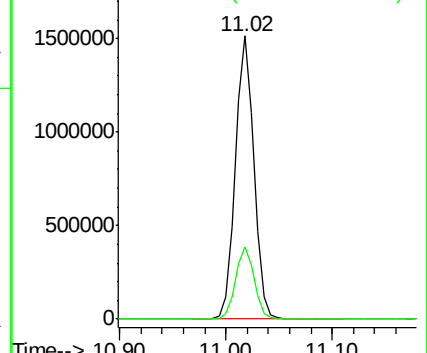
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 151.746 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Tgt Ion: 43 Resp: 1120084

Ion Ratio Lower Upper

43 100

70 38.0 30.5 45.7

55 22.2 18.2 27.2

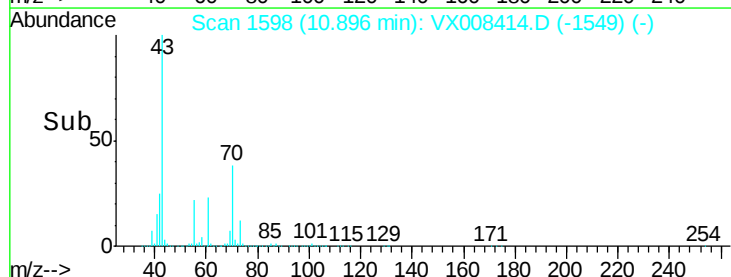
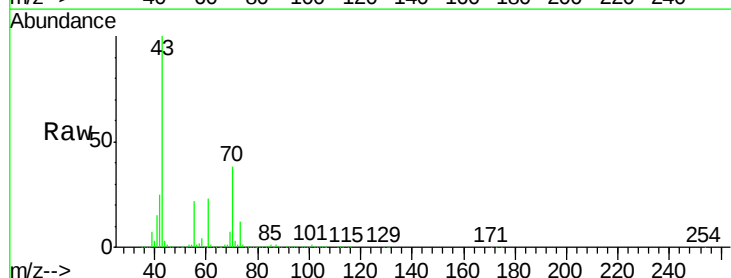
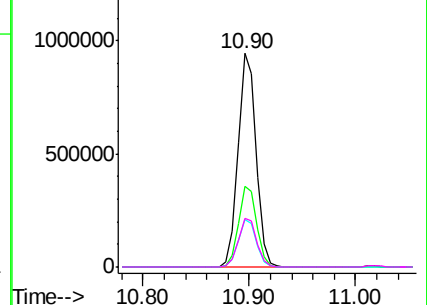
61 23.0 18.4 27.6

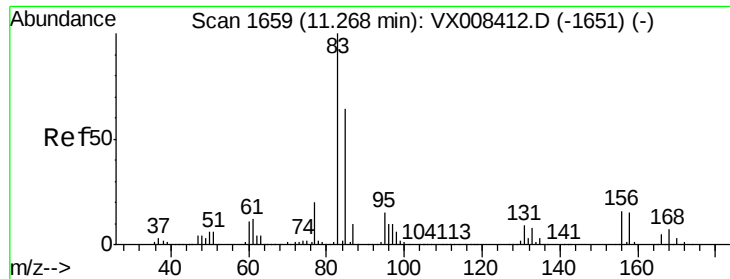
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 138.744 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Instrument :

MSVOA_X

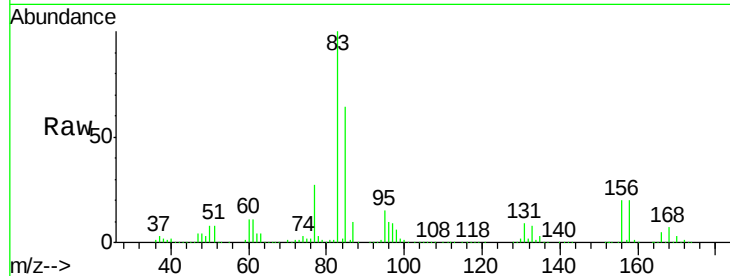
ClientSampleId :

VSTDIC150

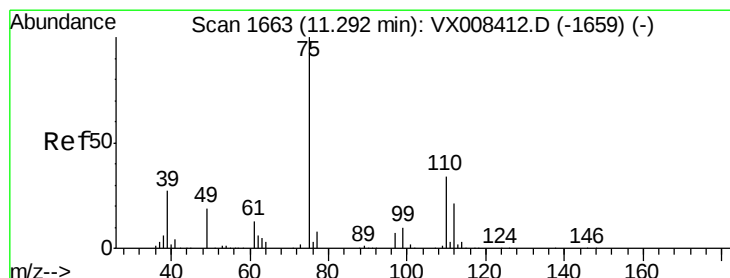
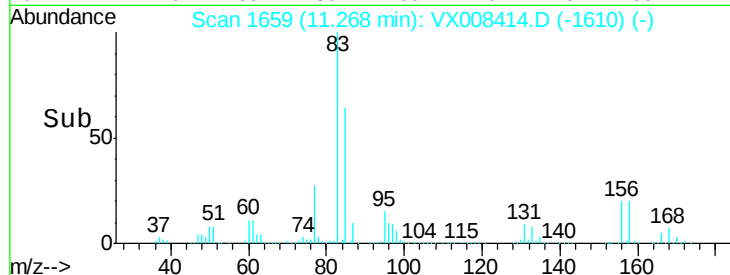
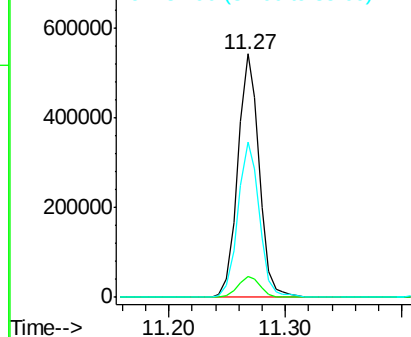
Tot Ion:	83	Resp:	695098
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.5	13.4
85	63.9	31.9	95.9

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



#76

1,2,3-Trichloropropane

Concen: 157.457 ug/l m

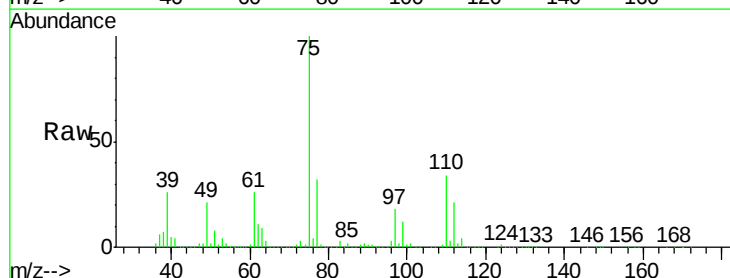
RT: 11.30 min Scan# 1664

Delta R.T. 0.01 min

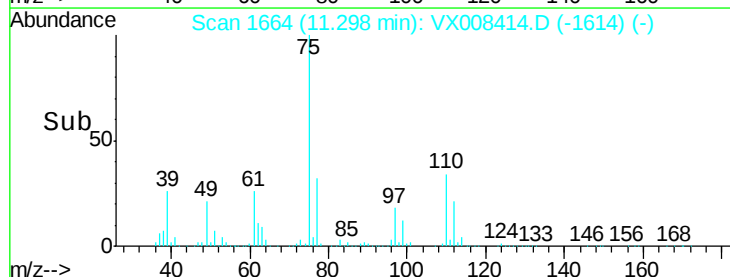
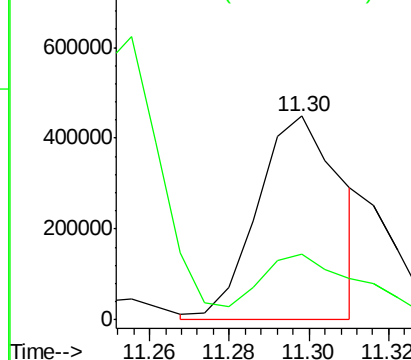
Lab File: VX008414.D

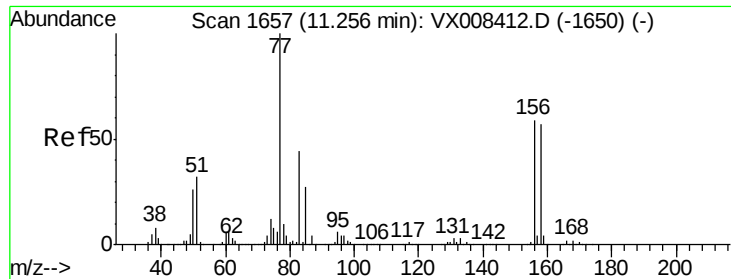
Acq: 25 Mar 2019 15:40

Tgt Ion:	75	Resp:	658638
Ion Ratio	Lower	Upper	
75	100		
77	38.9	21.9	65.7



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





#77

Bromobenzene

Concen: 147.108 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Instrument :

MSVOA_X

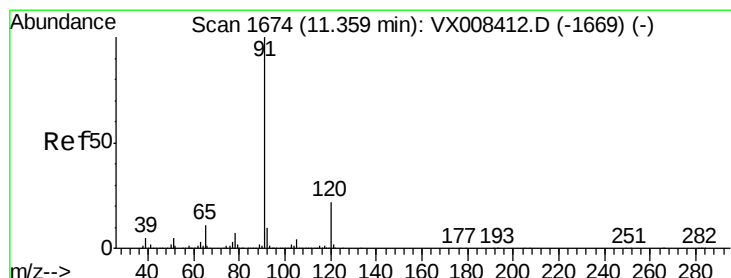
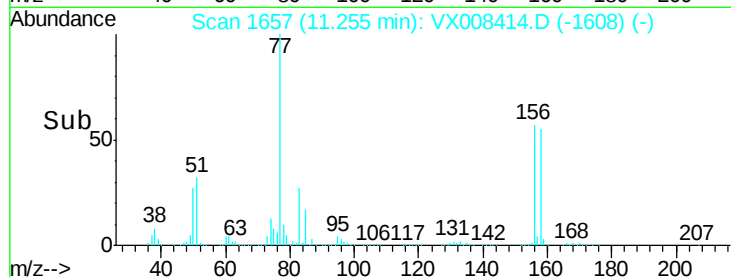
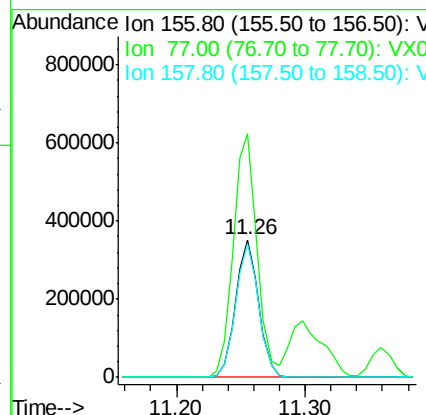
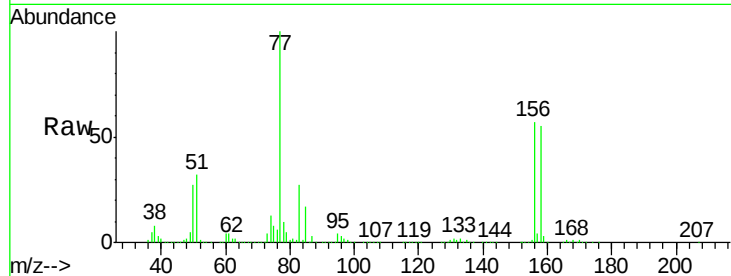
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	182.9	91.1	273.3	
158	97.0	48.3	144.8	

Manual Integrations
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#78

n-propylbenzene

Concen: 148.406 ug/l

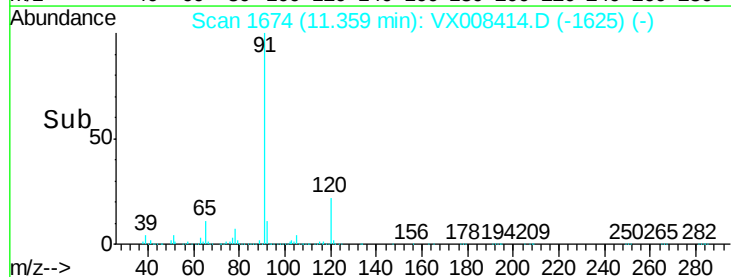
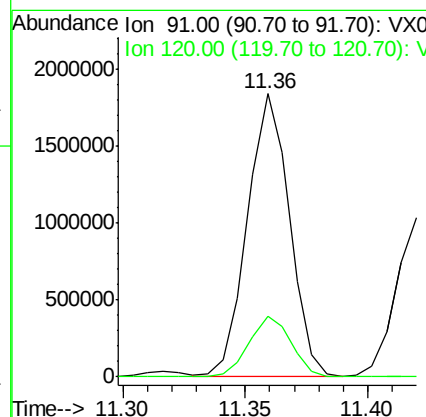
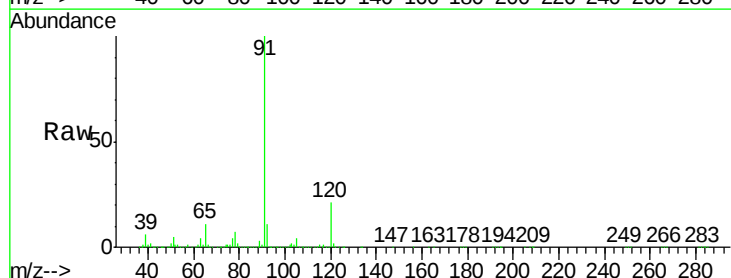
RT: 11.36 min Scan# 1674

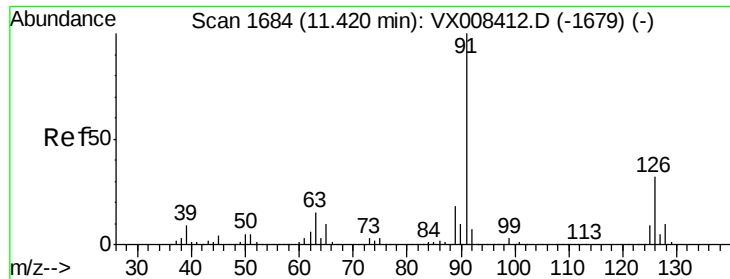
Delta R.T. -0.00 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.8	10.8	32.4	





#79

2-Chlorotoluene

Concen: 142.390 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1284558

Ion Ratio Lower Upper

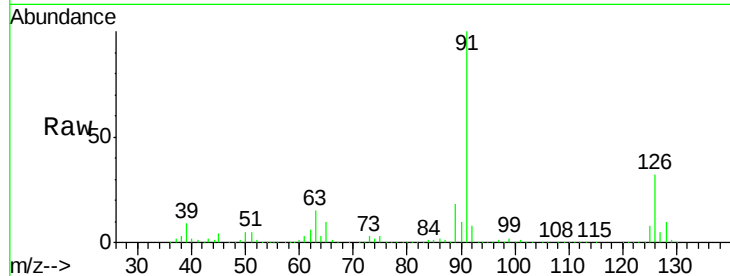
91 100

126 32.0 15.7 47.1

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Abundance Ion 91.00 (90.70 to 91.70): VX008412.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008412.D (-1679) (-)

2000000

1500000

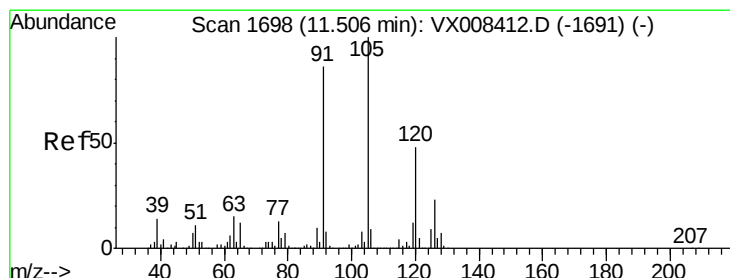
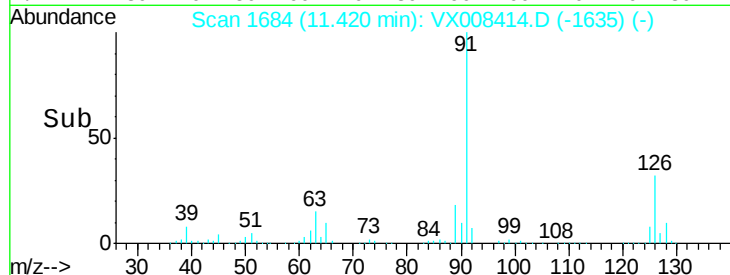
1000000

500000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 147.986 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008414.D

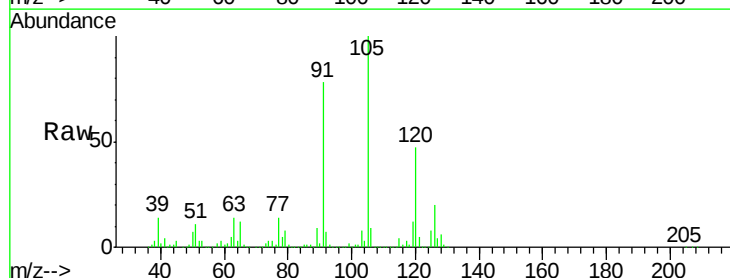
Acq: 25 Mar 2019 15:40

Tgt Ion:105 Resp: 1587677

Ion Ratio Lower Upper

105 100

120 47.5 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): VX008412.D (-1691) (-)

Ion 120.00 (119.70 to 120.70): VX008412.D (-1691) (-)

1500000

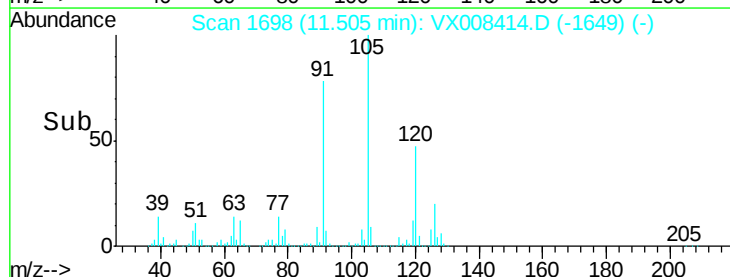
1000000

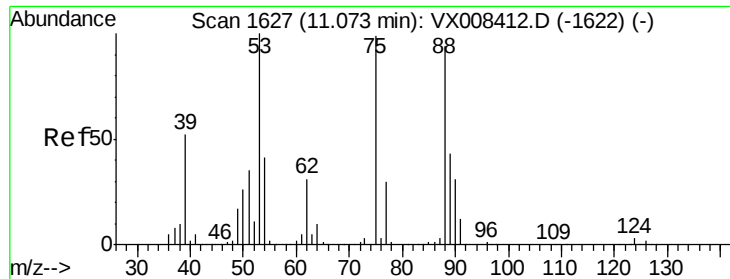
500000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 175.796 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 257330

Ion Ratio Lower Upper

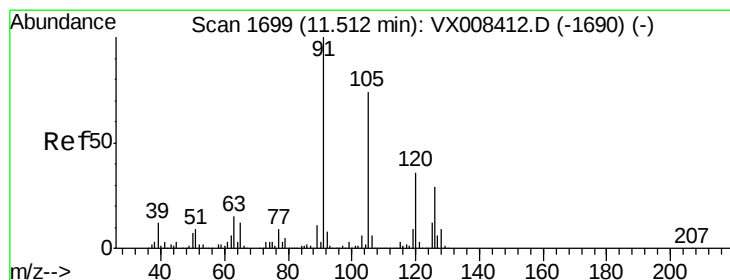
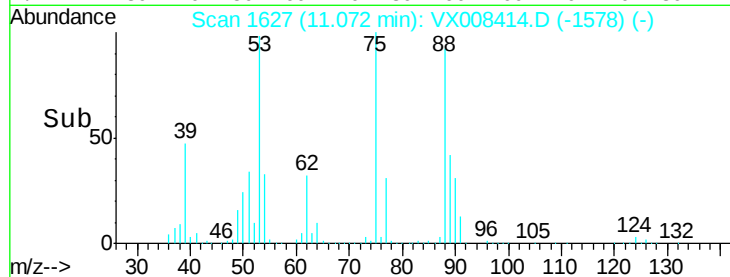
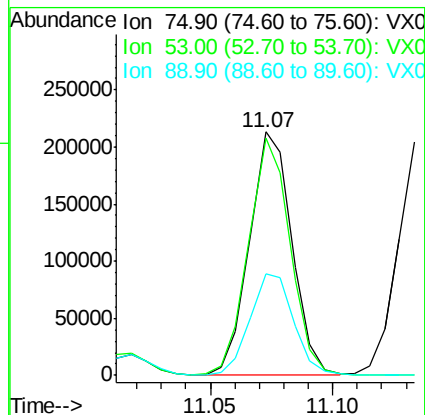
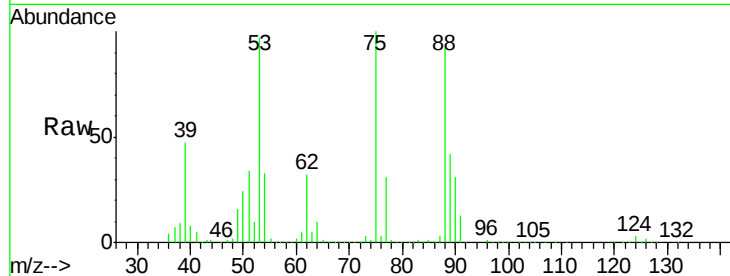
75 100

53 96.1 82.1 123.1

89 43.2 34.6 52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 147.179 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX008414.D

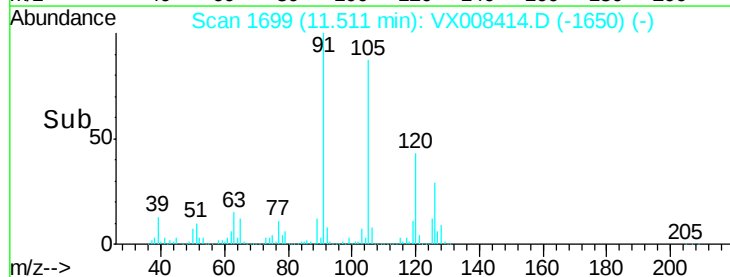
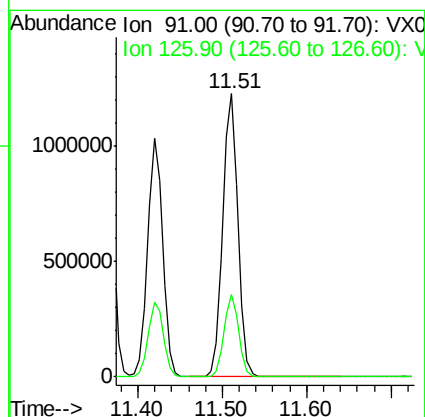
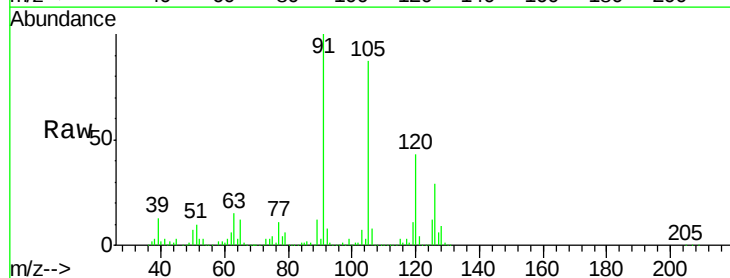
Acq: 25 Mar 2019 15:40

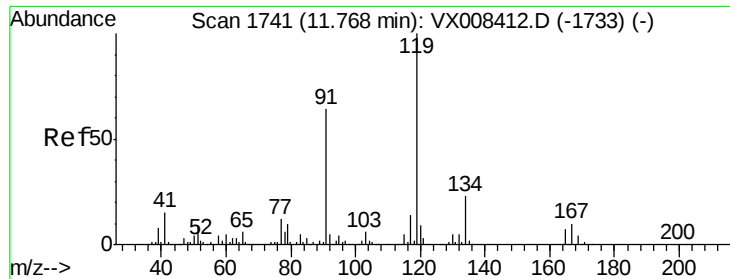
Tgt Ion: 91 Resp: 1527224

Ion Ratio Lower Upper

91 100

126 28.2 13.9 41.7





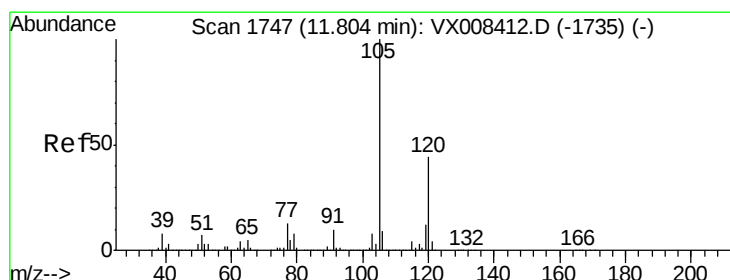
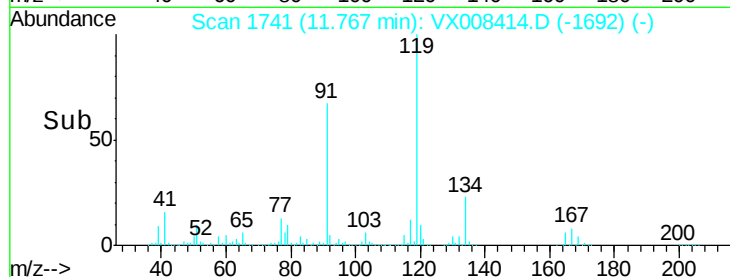
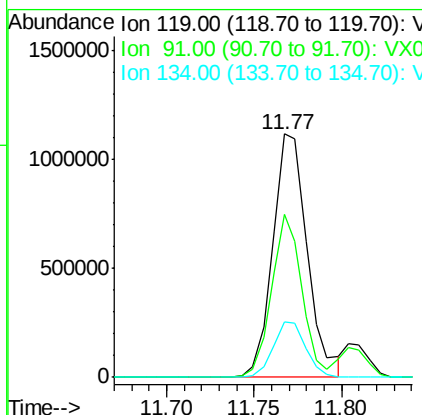
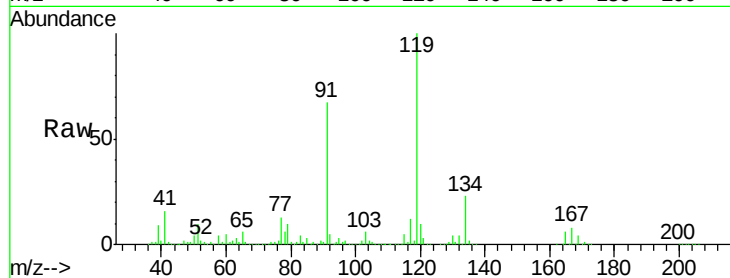
#83
 tert-Butylbenzene
 Concen: 151.786 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX008414.D
 Acq: 25 Mar 2019 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.6	30.1	90.3
134	21.5	10.9	32.9

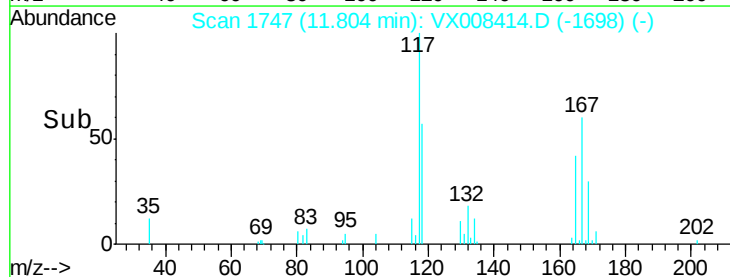
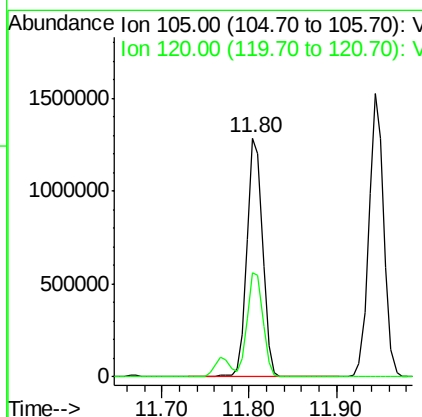
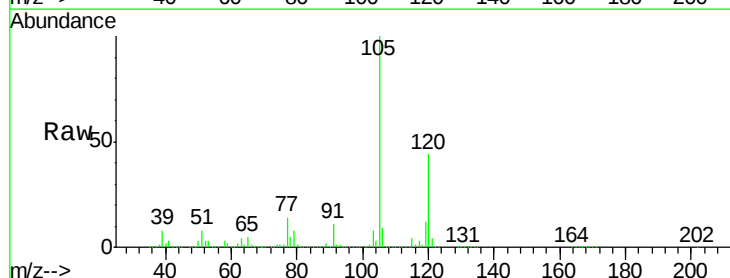
Manual Integrations
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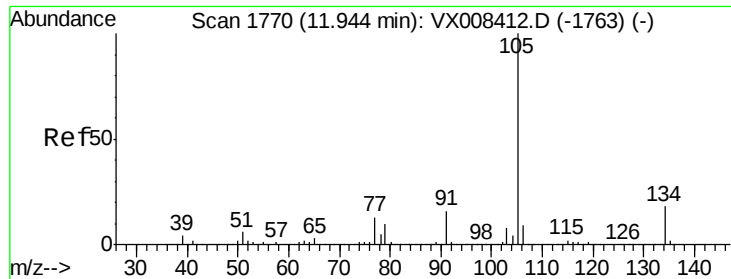
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#84
 1,2,4-Trimethylbenzene
 Concen: 147.519 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008414.D
 Acq: 25 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.6	65.0





#85

sec-Butylbenzene

Concen: 148.639 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1821881

Ion Ratio Lower Upper

105 100

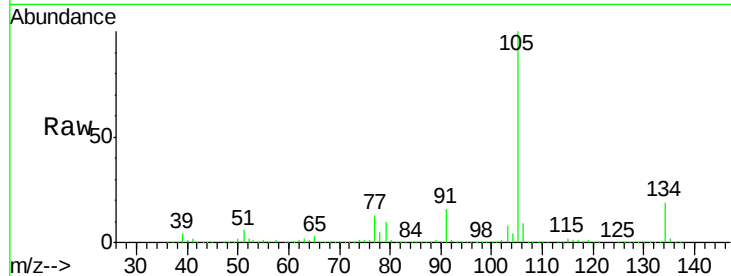
134 18.9 9.3 28.0

Manual Integrations

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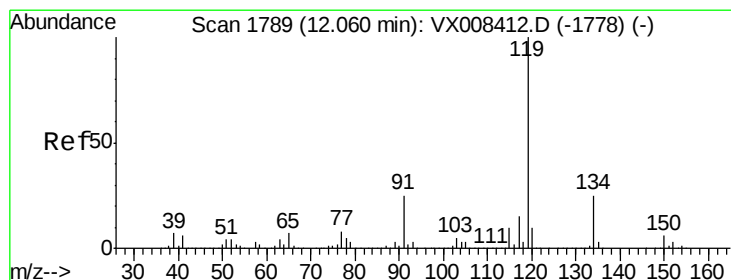
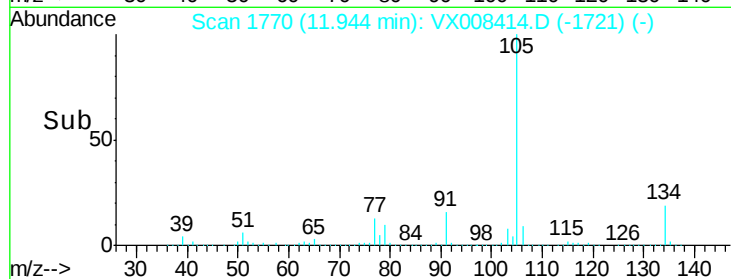
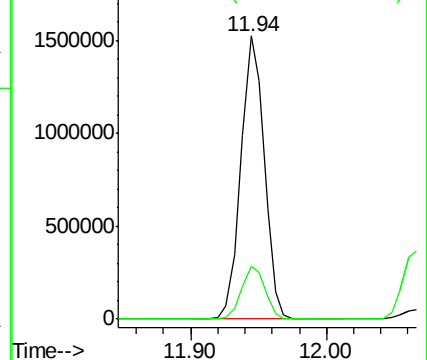
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 151.990 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

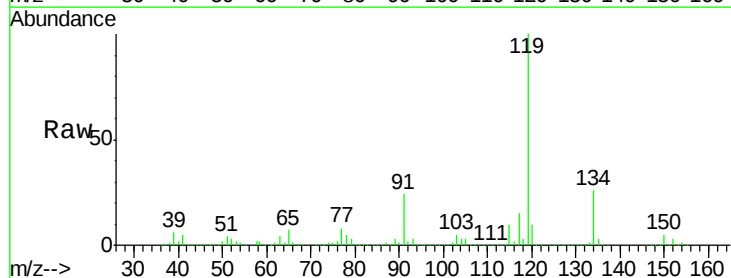
Tgt Ion:119 Resp: 1641963

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

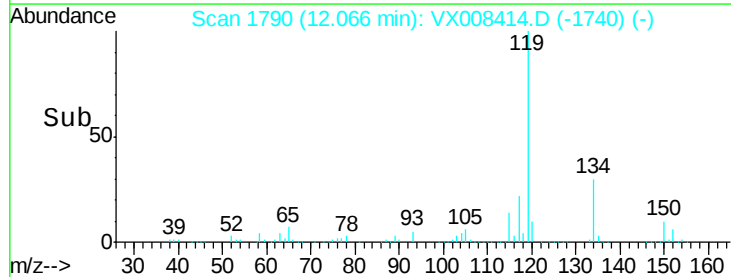
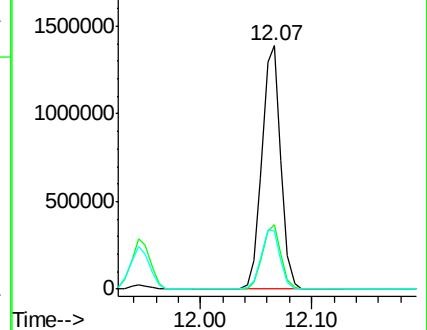
91 24.7 12.4 37.0

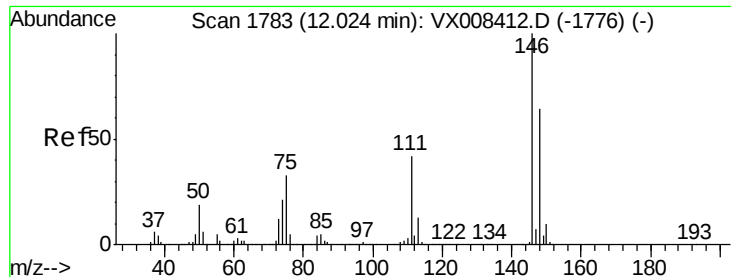


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 148.307 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Instrument :

MSVOA_X

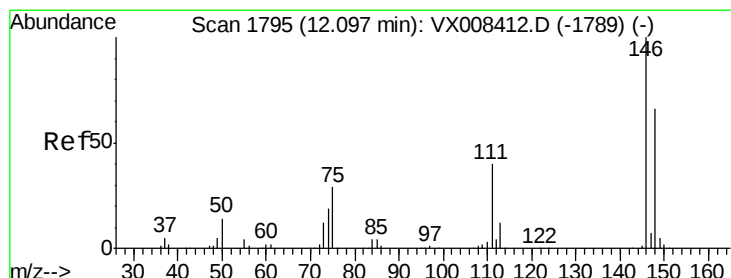
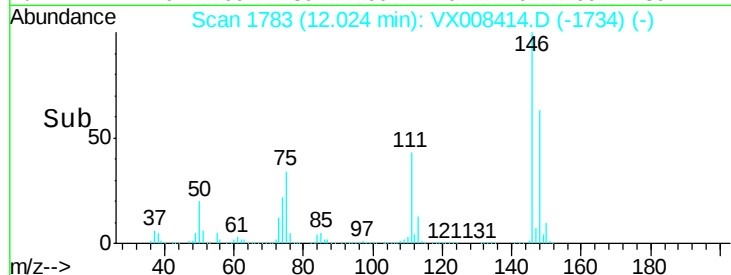
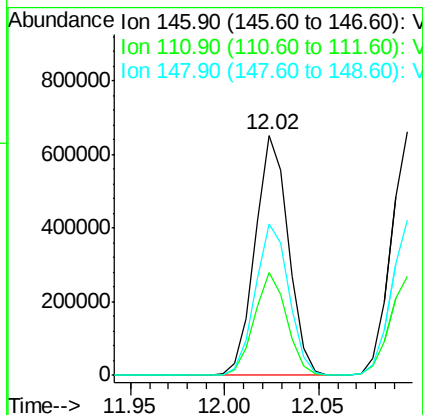
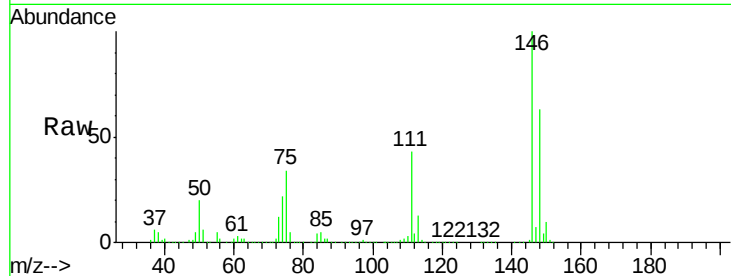
ClientSampleId :

VSTDIC150

Tot Ion:	146	Resp:	796735
Ion Ratio	Lower	Upper	
146	100		
111	42.0	20.8	62.5
148	63.7	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 145.847 ug/l

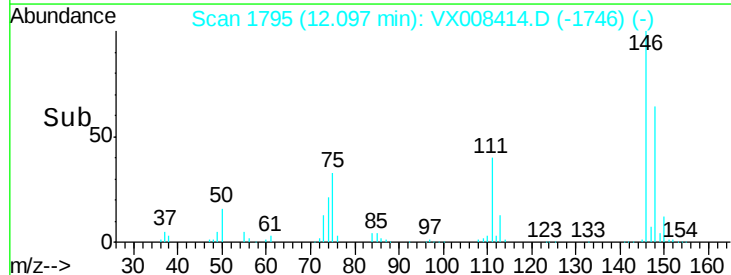
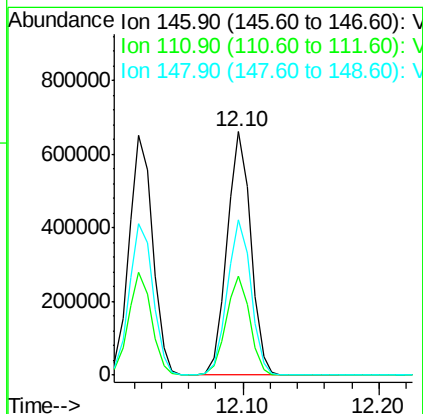
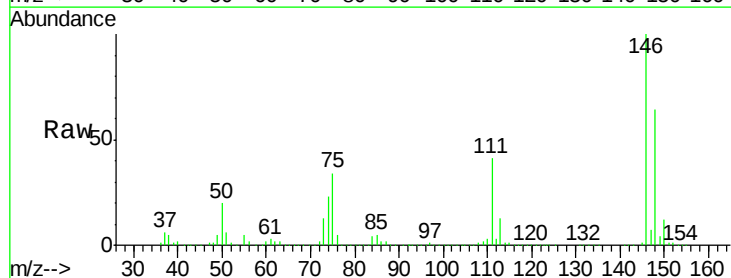
RT: 12.10 min Scan# 1795

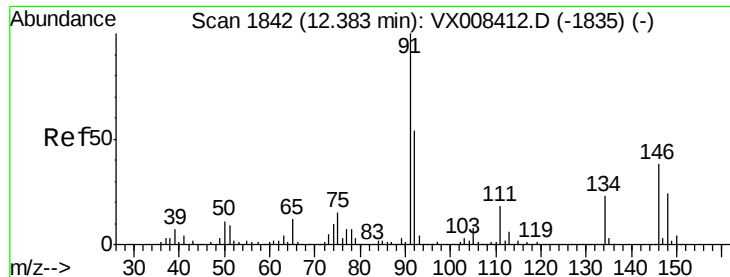
Delta R.T. -0.00 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Tgt Ion:	146	Resp:	798332
Ion Ratio	Lower	Upper	
146	100		
111	40.5	20.3	61.0
148	64.0	32.1	96.5





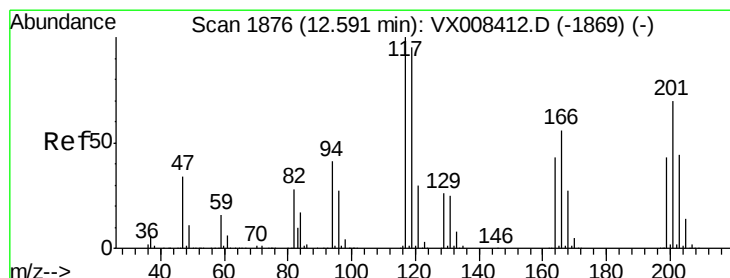
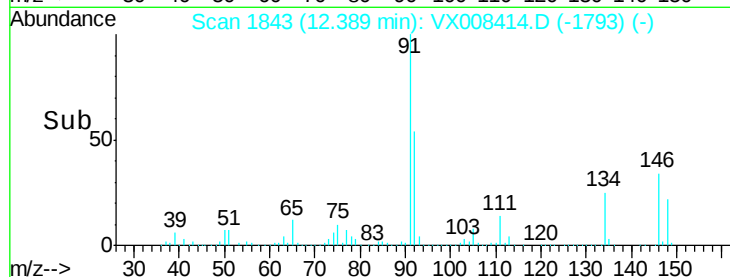
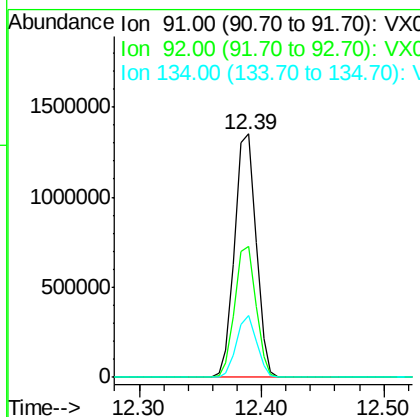
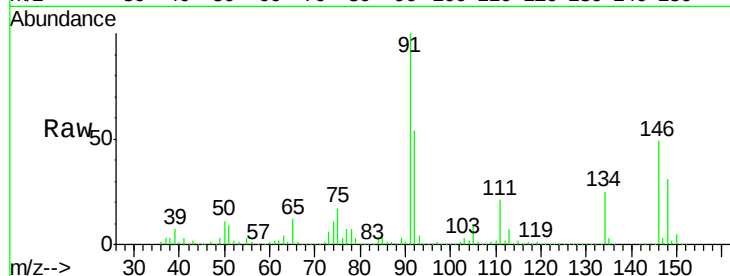
#89
n-Butylbenzene
Concen: 158.192 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1630022
Ion Ratio Lower Upper
91 100
92 53.4 26.5 79.5
134 24.2 11.8 35.4

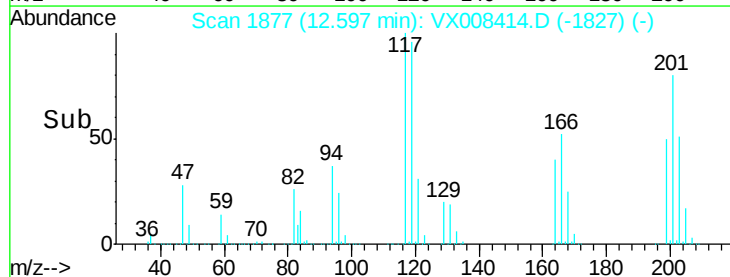
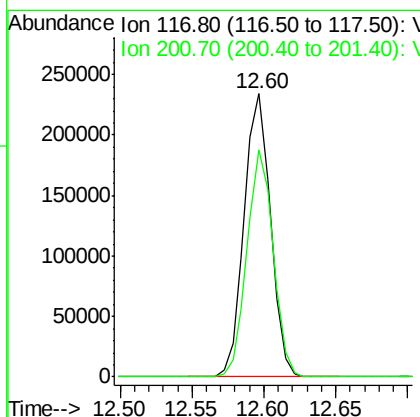
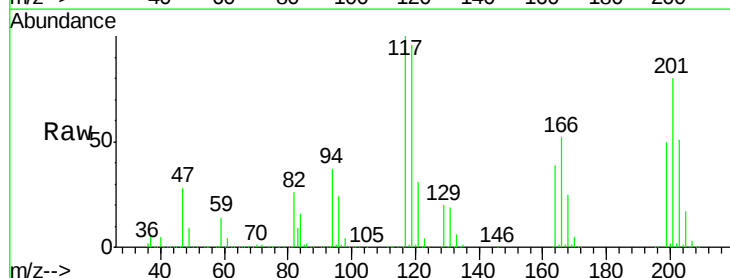
Manual Integrations
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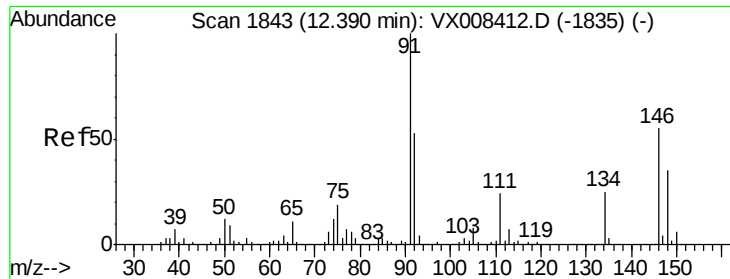
MMDadoda
3/26/2019 9:46:45 AM



#90
Hexachloroethane
Concen: 165.968 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Tgt Ion: 117 Resp: 296777
Ion Ratio Lower Upper
117 100
201 79.1 39.4 118.1





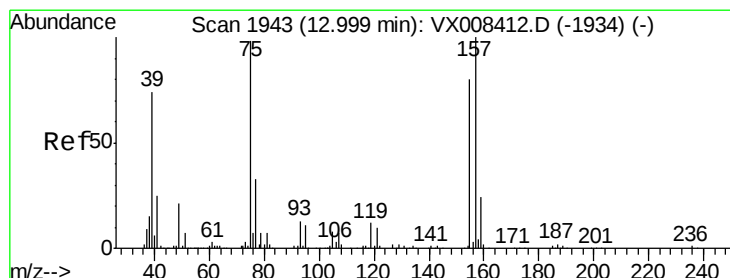
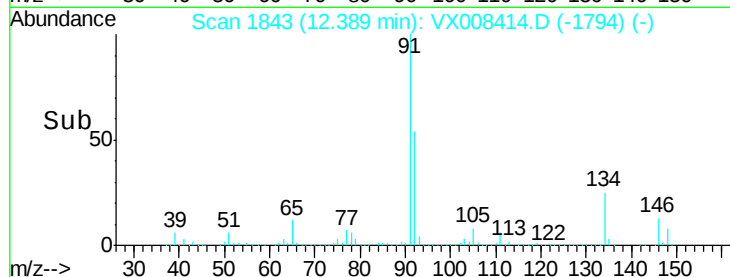
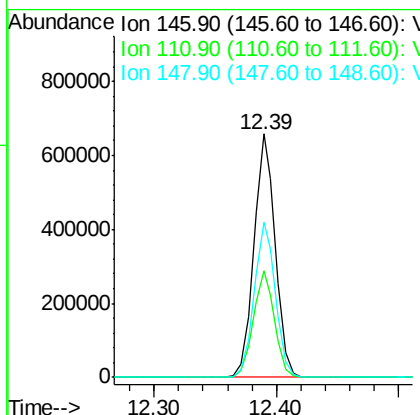
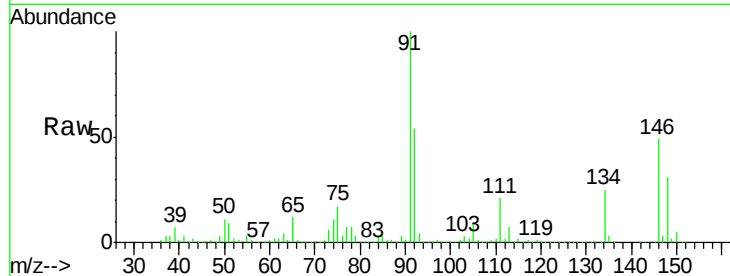
#91
 1,2-Dichlorobenzene
 Concen: 146.250 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008414.D
 Acq: 25 Mar 2019 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	64.6
148	63.6	31.9	95.7

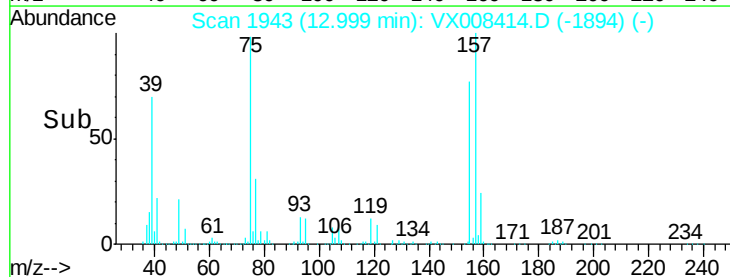
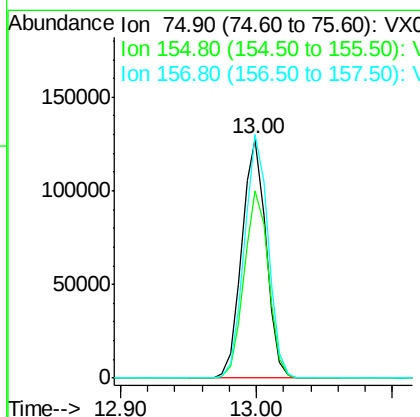
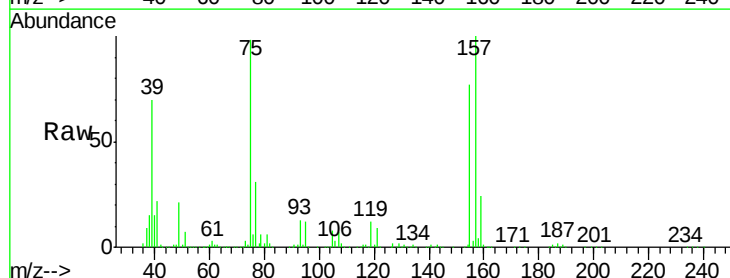
Manual Integrations
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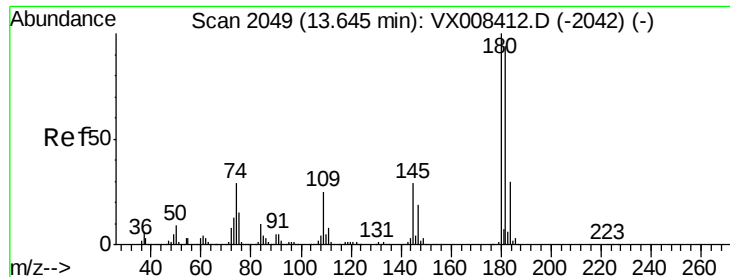
MMDadoda
 3/26/2019 9:46:45 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 148.439 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008414.D
 Acq: 25 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.1	39.5	118.5
157	100.8	49.9	149.7





#93

1,2,4-Trichlorobenzene

Concen: 151.971 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Instrument :

MSVOA_X

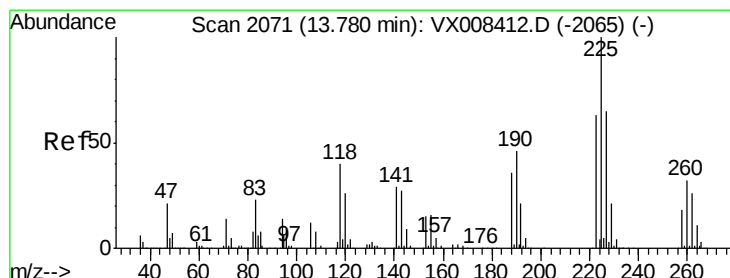
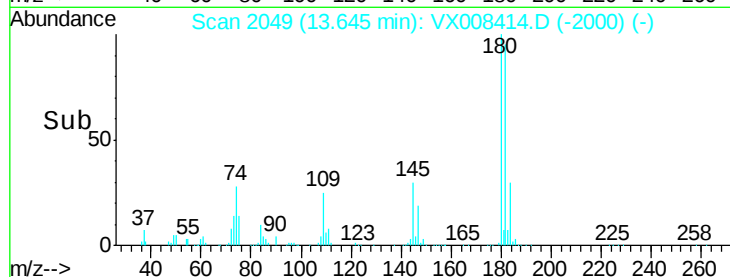
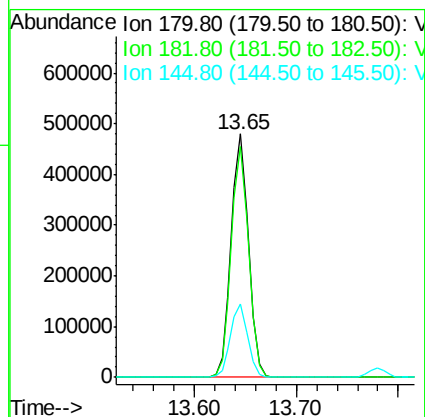
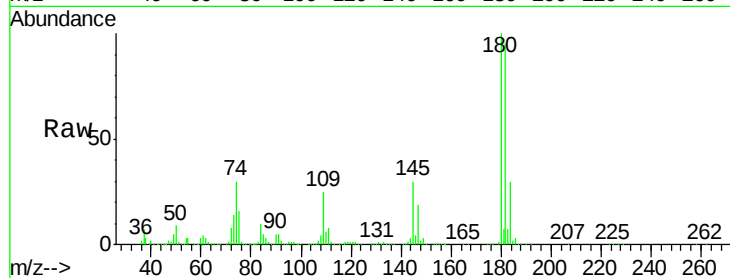
ClientSampleId :

VSTDIC150

Tot Ion:	180	Resp:	560225
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.3	142.0
145	30.4	15.3	45.8

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 152.579 ug/l

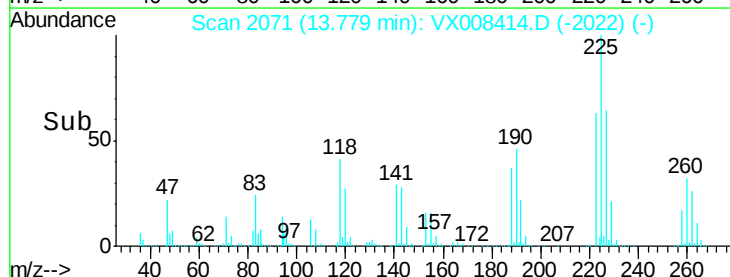
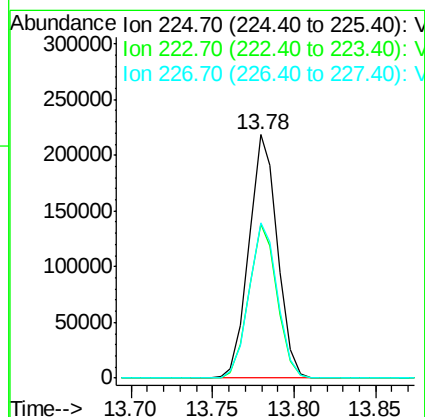
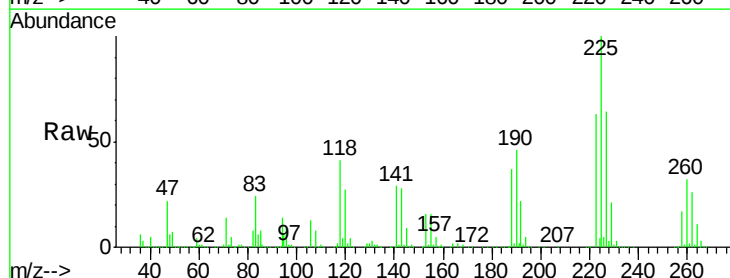
RT: 13.78 min Scan# 2071

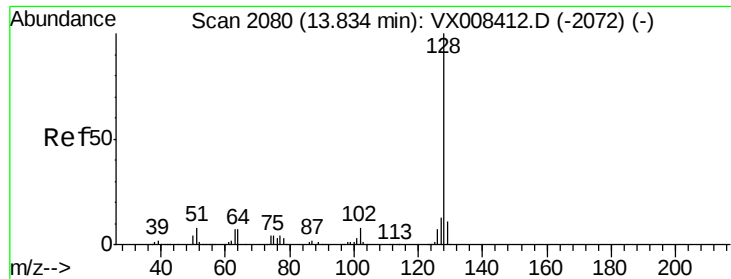
Delta R.T. -0.00 min

Lab File: VX008414.D

Acq: 25 Mar 2019 15:40

Tgt Ion:	225	Resp:	265550
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.4	94.0
227	63.7	31.9	95.9





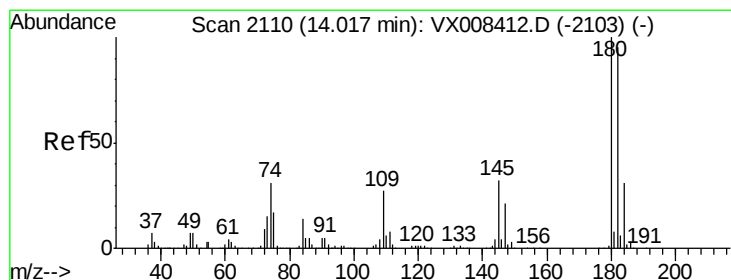
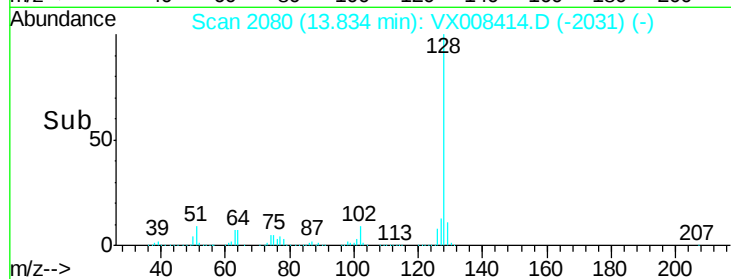
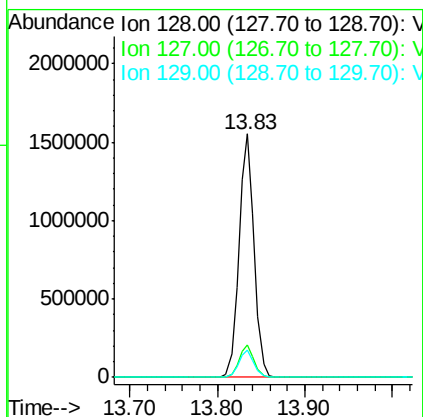
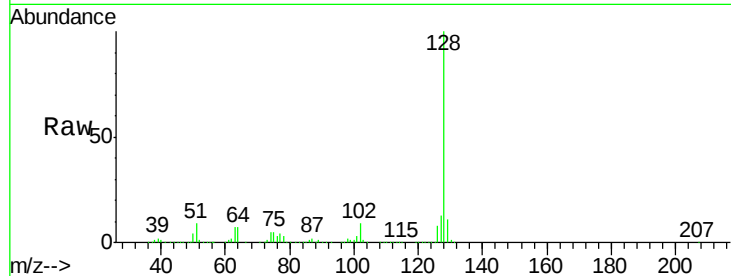
#95
Naphthalene
Concen: 145.653 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 149.258 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008414.D
Acq: 25 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	142.0
145	32.4	16.2	48.5

