

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041519\
 Data File : VX008960.D
 Acq On : 15 Apr 2019 15:13
 Operator : JC/SP
 Sample : VX0415WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0415WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 10:53:22 AM

Quant Time: Apr 16 03:45:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 02:27:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	251255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	394622	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	352297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	167635	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	175842	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
35) Dibromofluoromethane	5.49	113	129426	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
50) Toluene-d8	8.71	98	538233	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
62) 4-Bromofluorobenzene	11.13	95	192447	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	64328	22.228	ug/l	99
3) Chloromethane	1.32	50	76244	21.460	ug/l	98
4) Vinyl Chloride	1.41	62	71750	20.749	ug/l	99
5) Bromomethane	1.64	94	41968	21.738	ug/l	99
6) Chloroethane	1.72	64	43250	21.269	ug/l	96
7) Trichlorofluoromethane	1.93	101	84382	20.900	ug/l	99
8) Diethyl Ether	2.18	74	36648	19.848	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	52576	20.367	ug/l	99
10) Methyl Iodide	2.51	142	51510	21.054	ug/l	100
11) Tert butyl alcohol	3.04	59	81744	104.002	ug/l	100
12) 1,1-Dichloroethene	2.37	96	51519	19.121	ug/l	97
13) Acrolein	2.29	56	48251	71.049	ug/l	97
14) Allyl chloride	2.73	41	122199	20.788	ug/l	99
15) Acrylonitrile	3.14	53	202492	101.489	ug/l	100
16) Acetone	2.44	43	181787	99.000	ug/l	97
17) Carbon Disulfide	2.57	76	159937	20.946	ug/l	99
18) Methyl Acetate	2.77	43	87818	19.163	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	195960	20.411	ug/l	99
20) Methylene Chloride	2.85	84	62405	19.873	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	56981	19.827	ug/l	98
22) Diisopropyl ether	3.85	45	239396	20.958	ug/l	91
23) Vinyl Acetate	3.81	43	1060958	105.662	ug/l	99
24) 1,1-Dichloroethane	3.70	63	116685	20.350	ug/l	99
25) 2-Butanone	4.67	43	303086	103.263	ug/l	99
26) 2,2-Dichloropropane	4.58	77	88683	20.633	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	65420	20.049	ug/l	99
28) Bromochloromethane	5.01	49	47040	18.537	ug/l	100
29) Tetrahydrofuran	5.12	42	199119	101.358	ug/l	99
30) Chloroform	5.21	83	104710	20.407	ug/l	100
31) Cyclohexane	5.57	56	118902	21.083	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	87098	20.481	ug/l	99
36) 1,1-Dichloropropene	5.79	75	83502	20.460	ug/l	99
37) Ethyl Acetate	4.83	43	113650	21.641	ug/l	100
38) Carbon Tetrachloride	5.78	117	72657	20.999	ug/l	97

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 Misc : 5.0mL/MSVOA X/WATER
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Instrument :
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Manual Integrations
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 4/16/2019 10:53:22 AM

Quant Time: Apr 16 03:45:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 02:27:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	109135	21.963	ug/l	98
40) Benzene	6.14	78	252690	20.988	ug/l	99
41) Methacrylonitrile	5.04	41	63543	21.082	ug/l	98
42) 1,2-Dichloroethane	6.18	62	90084	21.122	ug/l	99
43) Isopropyl Acetate	6.44	43	178332	21.072	ug/l	100
44) Trichloroethene	7.21	130	60319	20.447	ug/l	97
45) 1,2-Dichloropropane	7.51	63	70603	21.137	ug/l	99
46) Dibromomethane	7.66	93	40197	20.678	ug/l	100
47) Bromodichloromethane	7.90	83	80275	21.055	ug/l	99
48) Methyl methacrylate	7.76	41	90323	21.600	ug/l	99
49) 1,4-Dioxane	7.73	88	33483	427.801	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	583368	108.200	ug/l	100
52) Toluene	8.78	92	152687	21.160	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	92876	21.166	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	102931	20.950	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	61389	21.466	ug/l	95
56) Ethyl methacrylate	9.18	69	112048	21.851	ug/l	100
57) 1,3-Dichloropropane	9.37	76	107069	21.027	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	201359	72.919	ug/l	100
59) 2-Hexanone	9.49	43	454119	109.247	ug/l	99
60) Dibromochloromethane	9.58	129	59163	21.585	ug/l	99
61) 1,2-Dibromoethane	9.67	107	62618	21.215	ug/l	100
64) Tetrachloroethene	9.34	164	56913	21.265	ug/l	97
65) Chlorobenzene	10.13	112	155393	20.897	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	54830	20.931	ug/l	100
67) Ethyl Benzene	10.25	91	292866	21.545	ug/l	99
68) m/p-Xylenes	10.35	106	210727	42.656	ug/l	99
69) o-Xylene	10.69	106	101325	21.079	ug/l	97
70) Styrene	10.71	104	179136	21.505	ug/l	100
71) Bromoform	10.85	173	43437	20.813	ug/l #	99
73) Isopropylbenzene	11.02	105	277986	21.877	ug/l	100
74) N-amyl acetate	10.90	43	155869	21.364	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	97839	21.074	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	87580m	21.396	ug/l	
77) Bromobenzene	11.25	156	67314	20.997	ug/l	99
78) n-propylbenzene	11.36	91	320762	21.994	ug/l	100
79) 2-Chlorotoluene	11.42	91	189675	21.582	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	234625	22.004	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	33130	20.779	ug/l	94
82) 4-Chlorotoluene	11.51	91	218231	21.381	ug/l	100
83) tert-Butylbenzene	11.77	119	220225	21.512	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	233606	21.523	ug/l	100
85) sec-Butylbenzene	11.94	105	271019	22.197	ug/l	100
86) p-Isopropyltoluene	12.06	119	246898	21.995	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	119369	21.274	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	119864	21.073	ug/l	99
89) n-Butylbenzene	12.38	91	230891	22.086	ug/l	99
90) Hexachloroethane	12.60	117	40129	21.672	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	116025	20.940	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21603	20.437	ug/l	97

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ClientSampleId :
VX0415WBS01

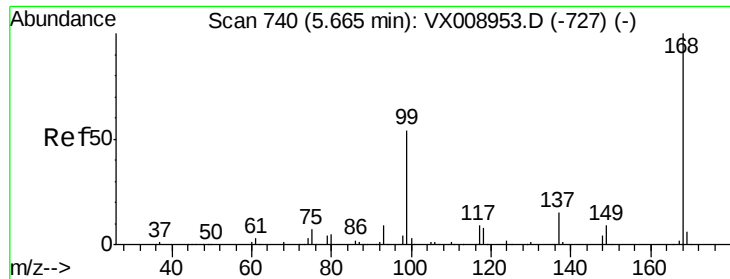
Manual Integrations
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4/16/2019 10:53:22 AM

Quant Time: Apr 16 03:45:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 16 02:27:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	85217	21.306	ug/l	99
94) Hexachlorobutadiene	13.78	225	43515	21.813	ug/l	99
95) Naphthalene	13.83	128	266402	20.789	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	83889	21.257	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBS01

Tot Ion:168 Resp: 251255

Ion Ratio Lower Upper

168 100

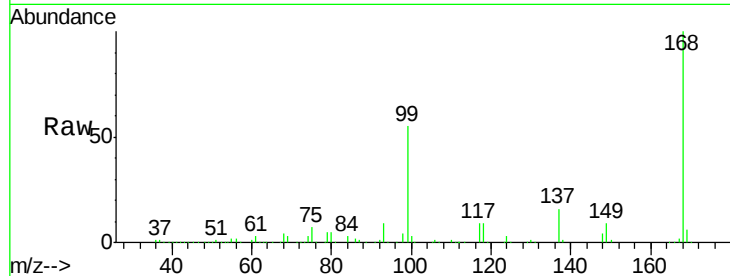
99 54.4 43.0 64.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

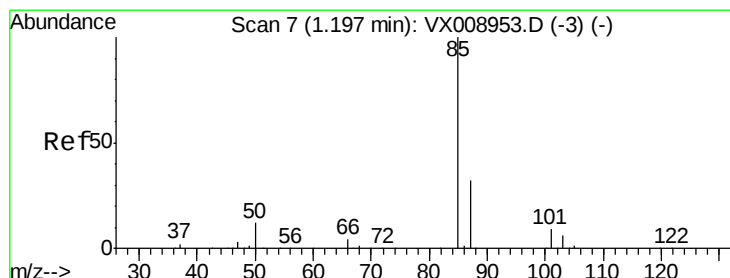
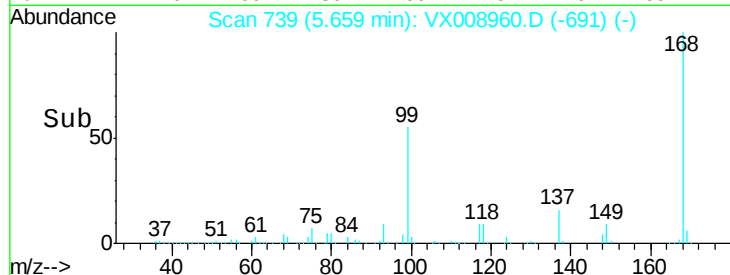
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.228 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008960.D

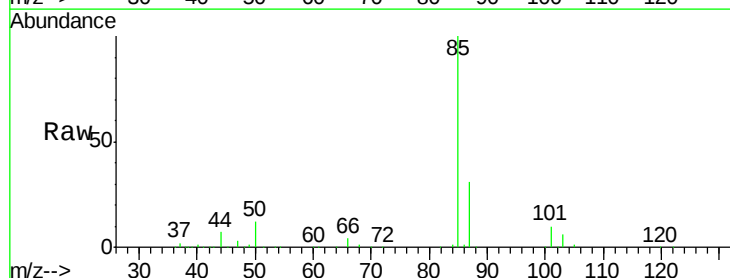
Acq: 15 Apr 2019 15:13

Tgt Ion: 85 Resp: 64328

Ion Ratio Lower Upper

85 100

87 31.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

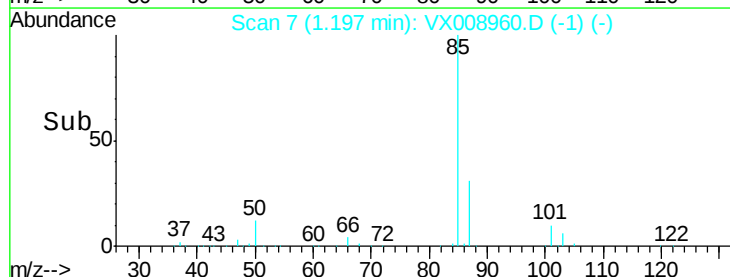
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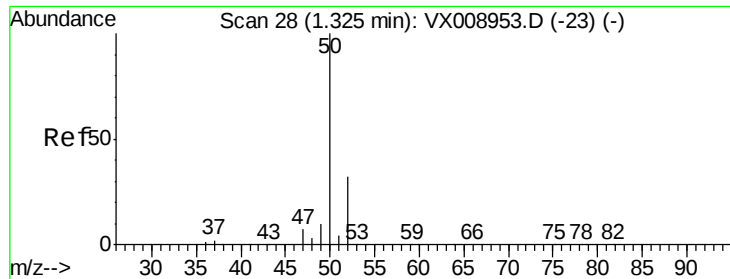
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20000

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Time-->





#3

Chloromethane

Concen: 21.460 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBS01

Tot Ion: 50 Resp: 76244

Ion Ratio Lower Upper

50 100

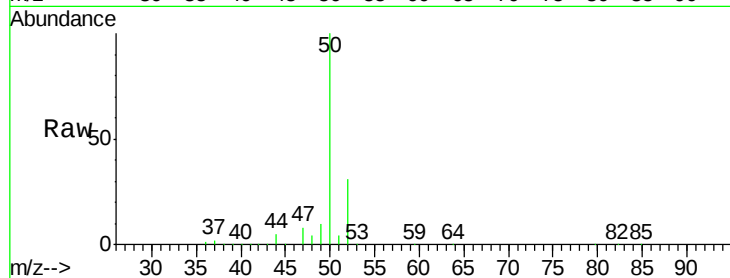
52 30.8 25.5 38.3

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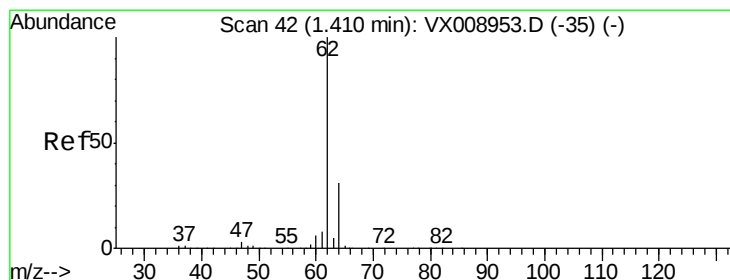
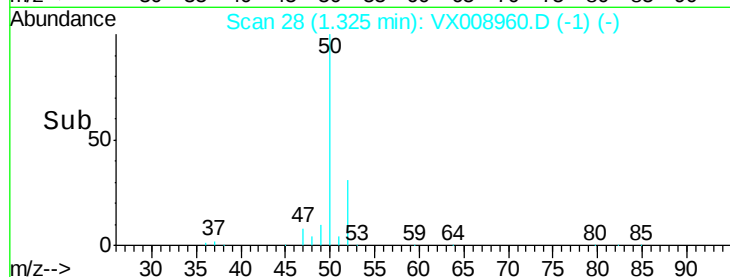
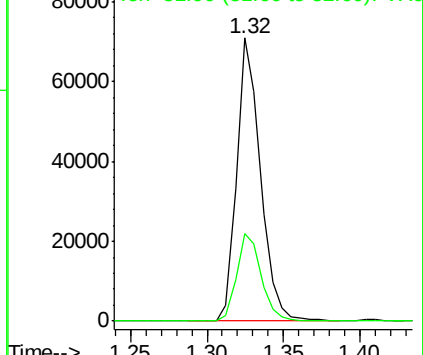
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.749 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008960.D

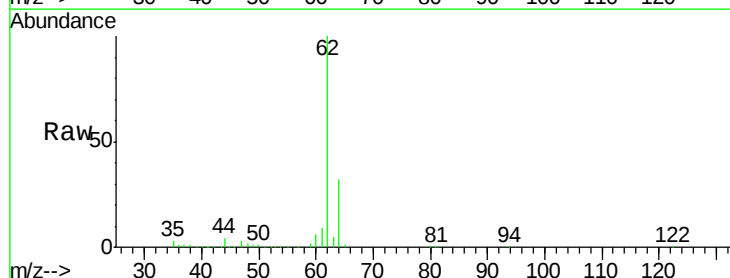
Acq: 15 Apr 2019 15:13

Tgt Ion: 62 Resp: 71750

Ion Ratio Lower Upper

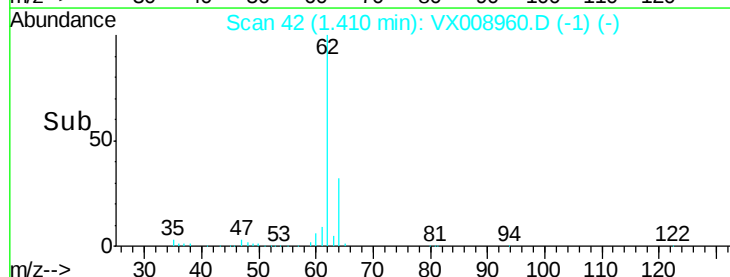
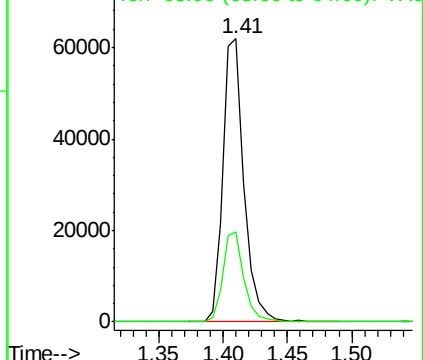
62 100

64 31.7 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.738 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBS01

Tot Ion: 94 Resp: 41968

Ion Ratio Lower Upper

94 100

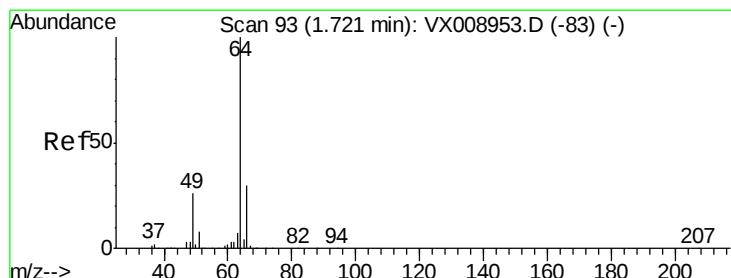
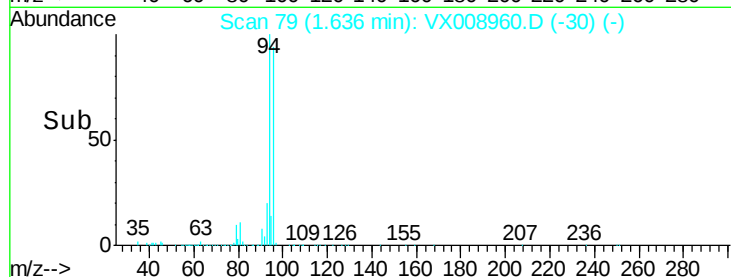
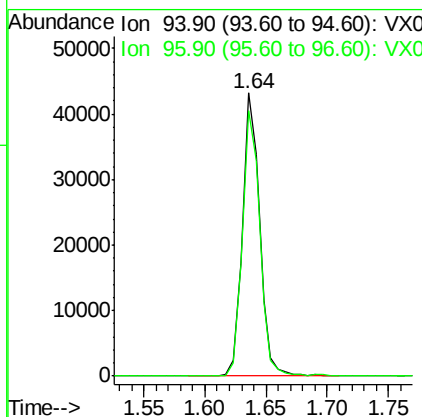
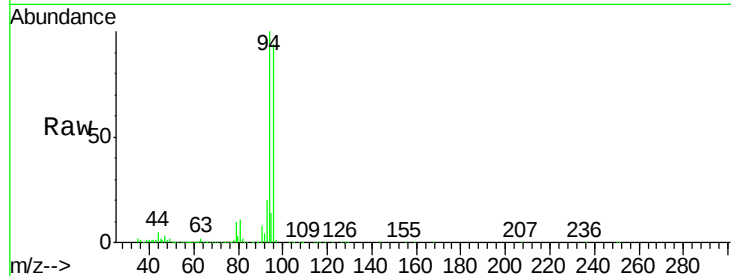
96 93.7 73.9 110.9

Manual Integrations

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#6

Chloroethane

Concen: 21.269 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX008960.D

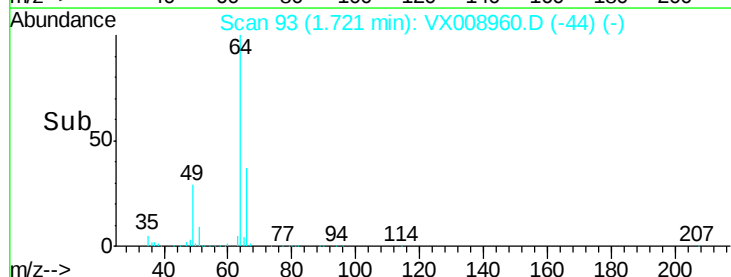
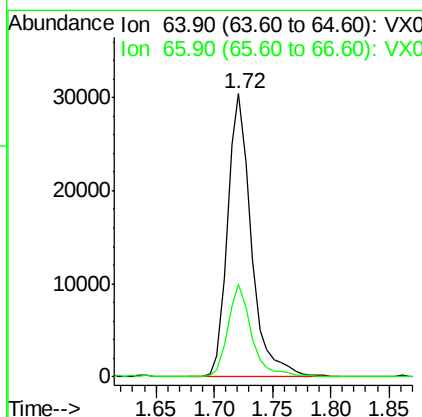
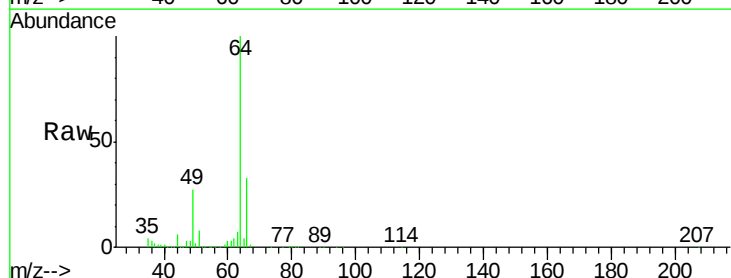
Acq: 15 Apr 2019 15:13

Tgt Ion: 64 Resp: 43250

Ion Ratio Lower Upper

64 100

66 32.6 24.2 36.2





#7

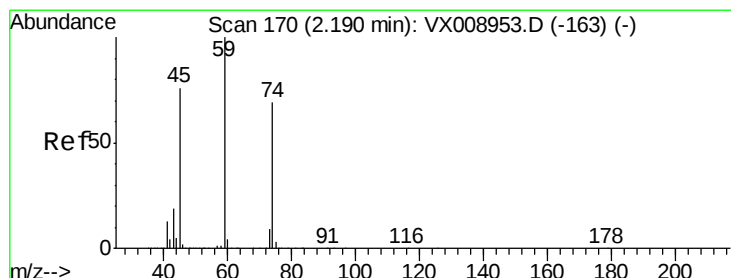
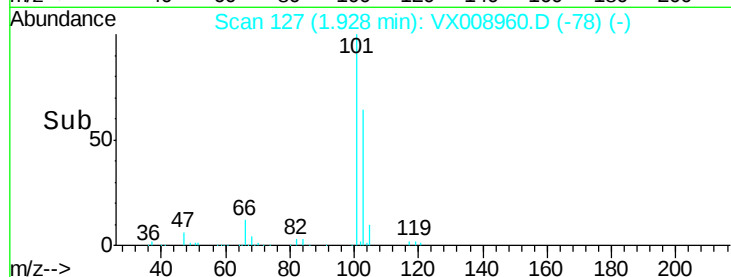
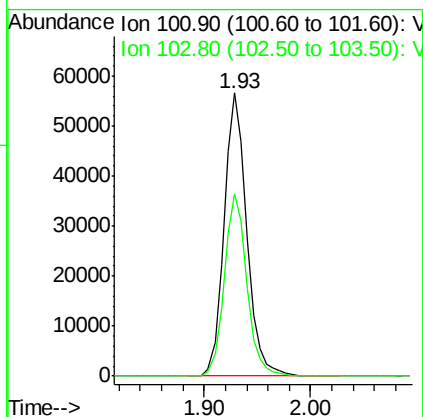
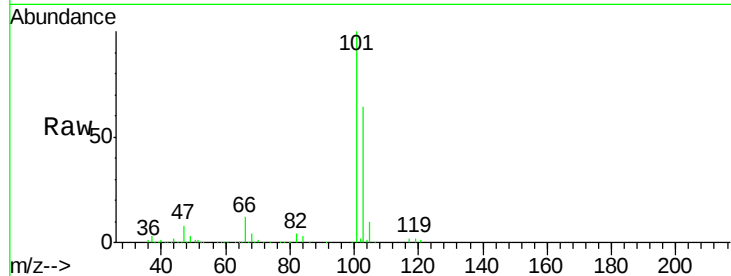
Trichlorofluoromethane
 Concen: 20.900 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0415WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		84382		
103	64.4	51.0	76.6		

Manual Integrations
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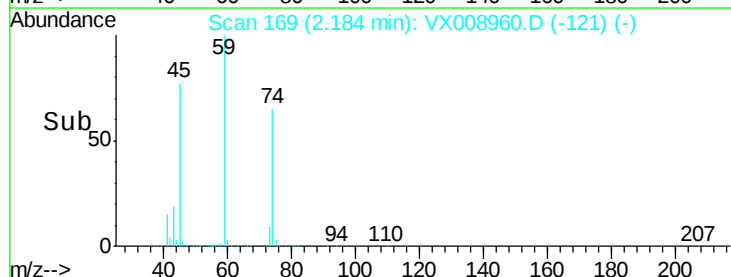
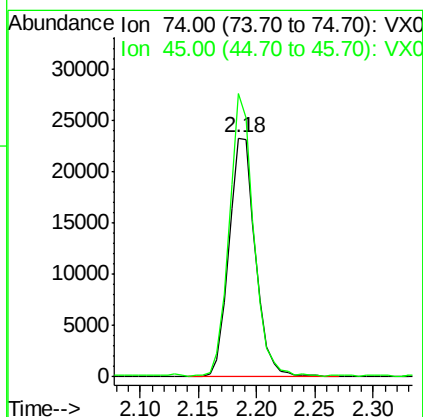
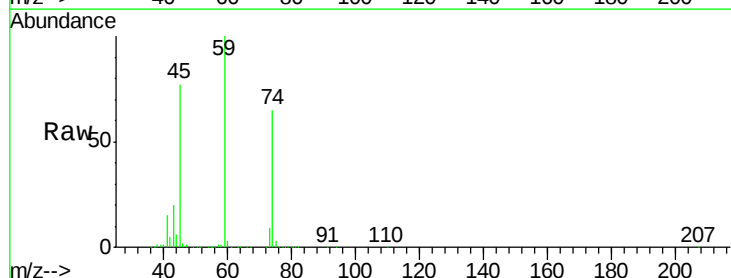
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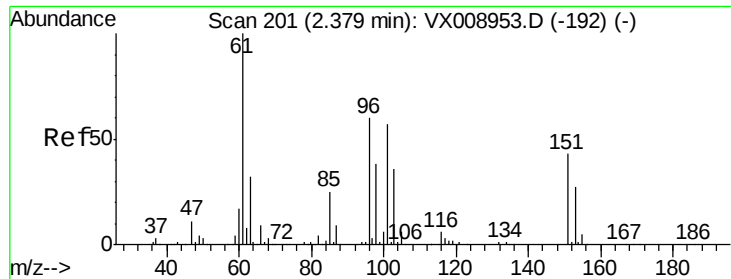


#8

Diethyl Ether
 Concen: 19.848 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		36648		
45	110.3	54.9	164.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.367 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

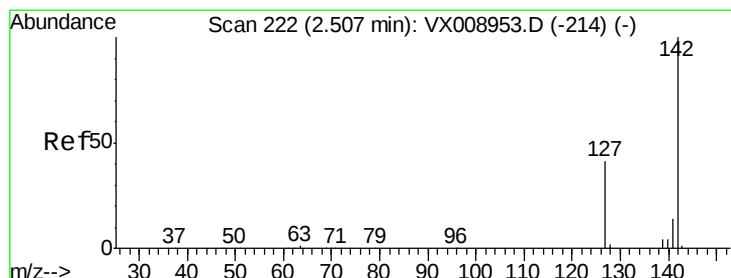
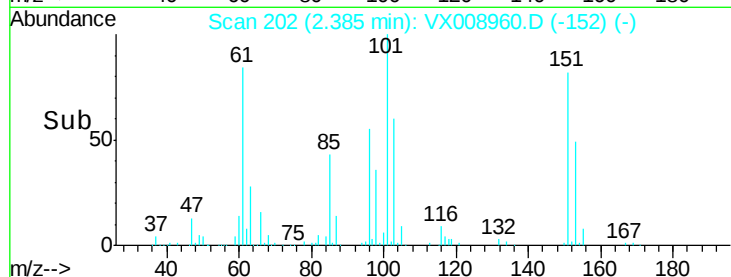
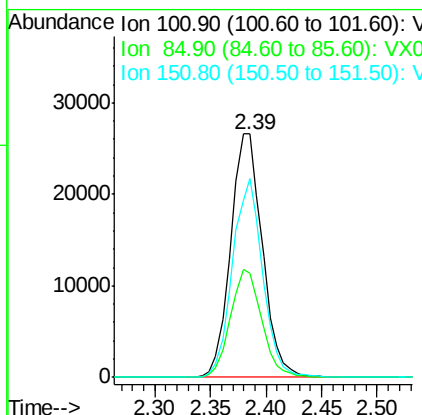
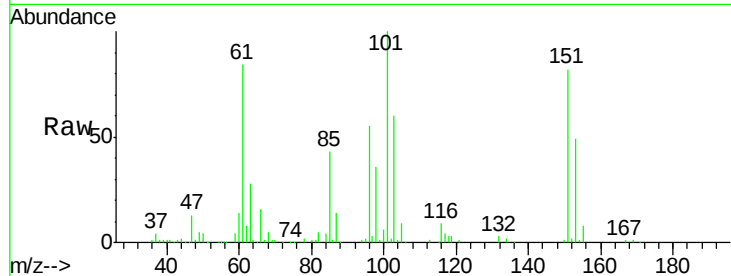
ClientSampleId :

VX0415WBS01

Tot Ion:	101	Resp:	52576
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.7	53.5
151	77.7	62.7	94.1

Manual Integrations
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#10

Methyl Iodide

Concen: 21.054 ug/l

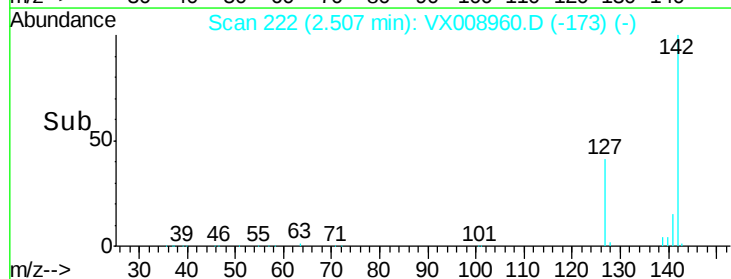
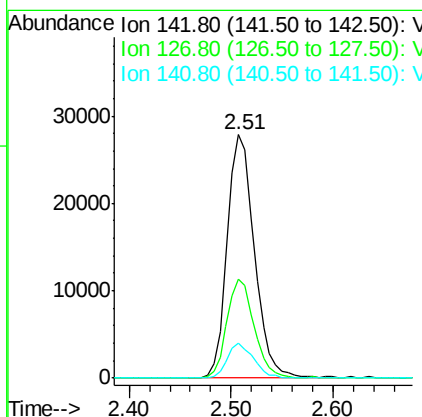
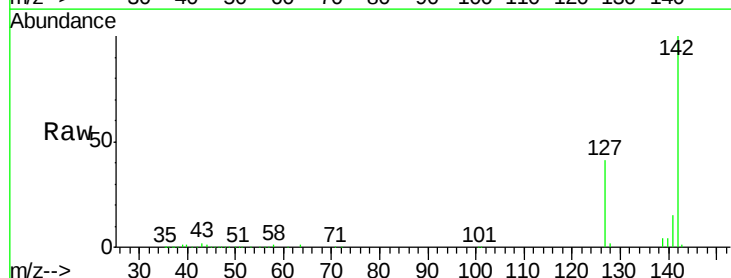
RT: 2.51 min Scan# 222

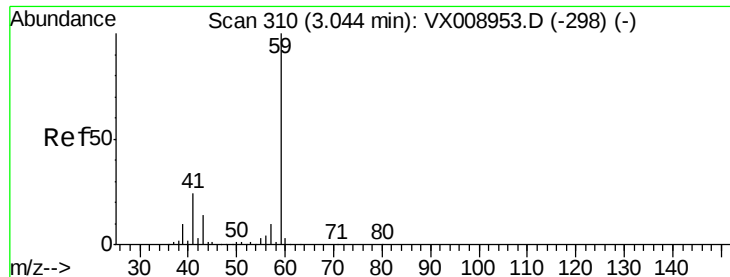
Delta R.T. 0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Tgt Ion:	142	Resp:	51510
Ion Ratio	Lower	Upper	
142	100		
127	40.7	32.8	49.2
141	14.2	11.4	17.2





#11

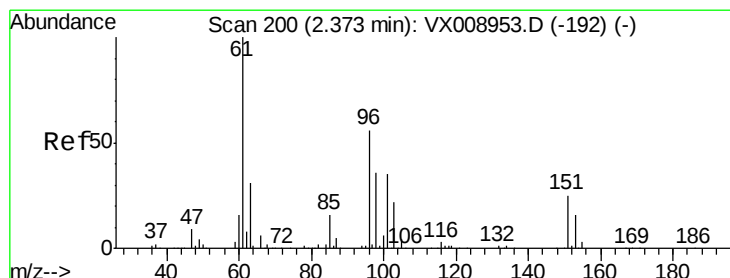
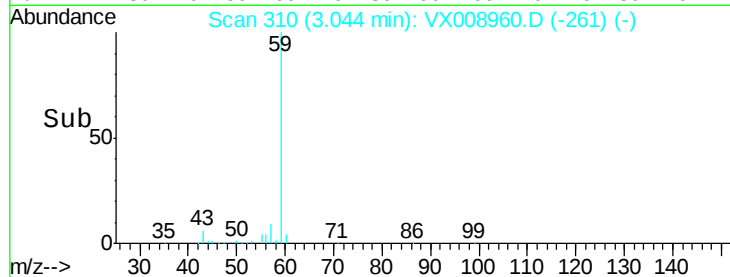
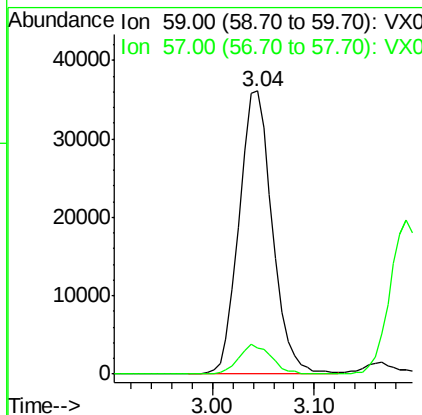
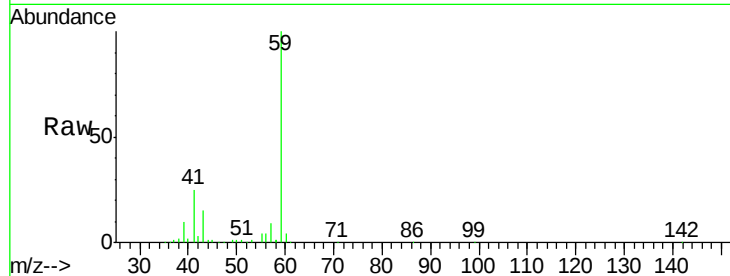
Tert butyl alcohol
 Concen: 104.002 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. 0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0415WBS01

Tot Ion	59	Resp	81744
Ion Ratio	100	Lower	Upper
57	10.6	8.4	12.6

Manual Integrations
 APPROVED

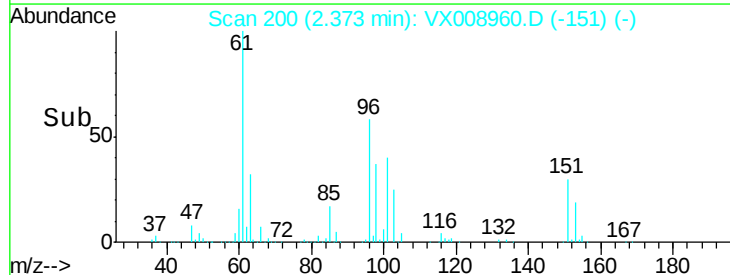
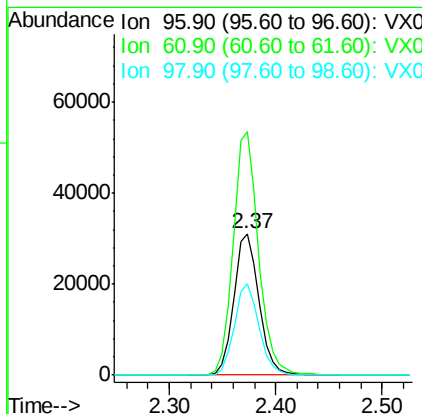
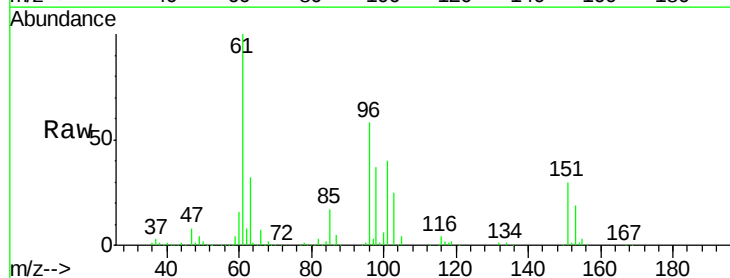
MMDadoda
 4/16/2019 10:53:22 AM

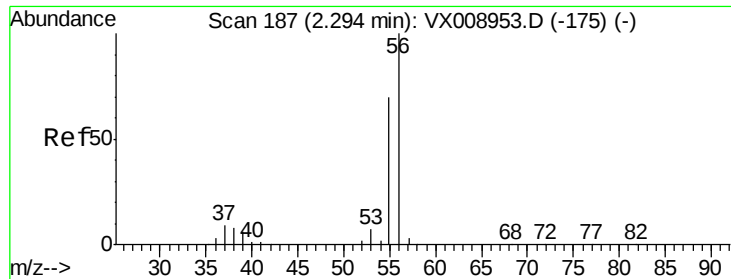


#12

1,1-Dichloroethene
 Concen: 19.121 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Tgt Ion	96	Resp	51519
Ion Ratio	100	Lower	Upper
61	171.7	142.2	213.2
98	64.0	50.9	76.3





#13

Acrolein

Concen: 71.049 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBS01

Tot Ion: 56 Resp: 48251

Ion Ratio Lower Upper

56 100

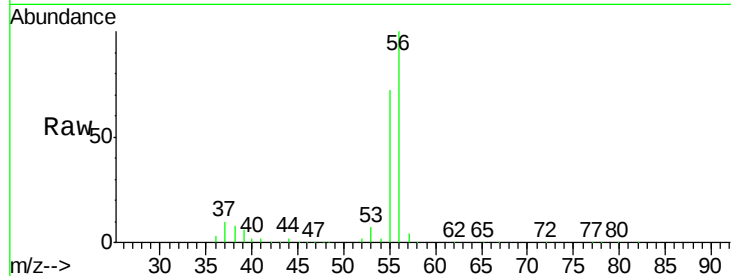
55 73.0 56.6 84.8

Manual Integrations

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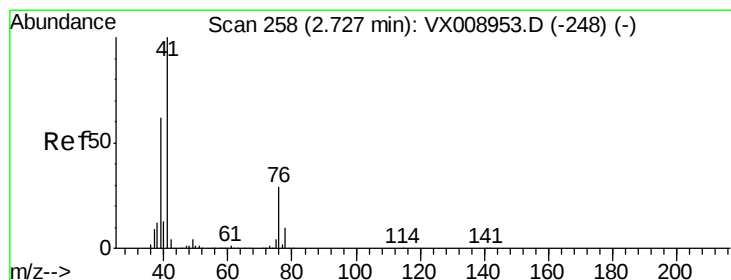
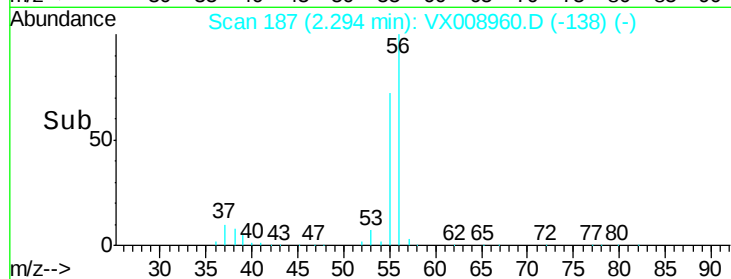
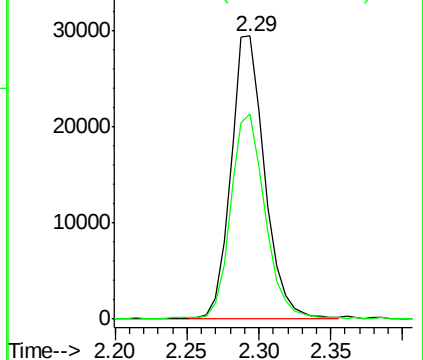
MMDadoda

4/16/2019 10:53:22 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 20.788 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

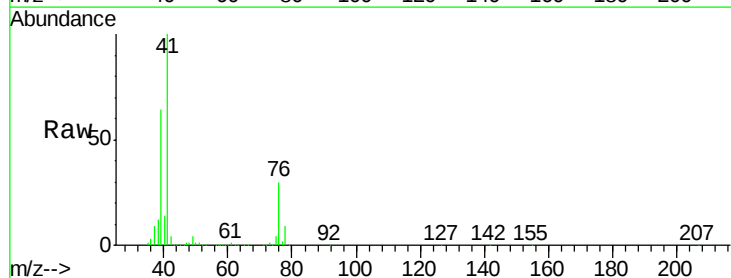
Tgt Ion: 41 Resp: 122199

Ion Ratio Lower Upper

41 100

39 58.6 46.7 70.1

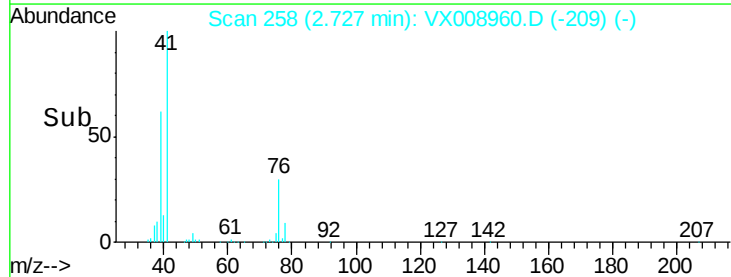
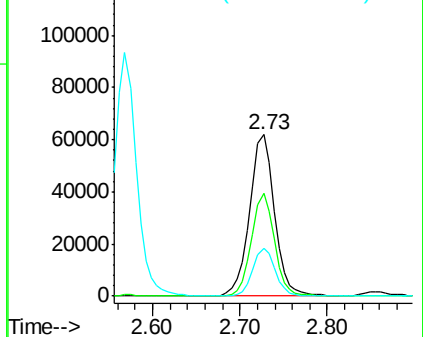
76 27.0 22.0 33.0

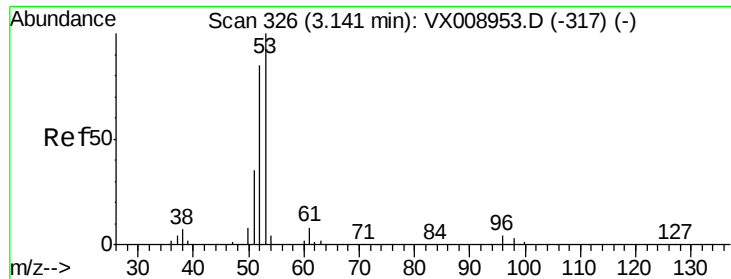


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 101.489 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

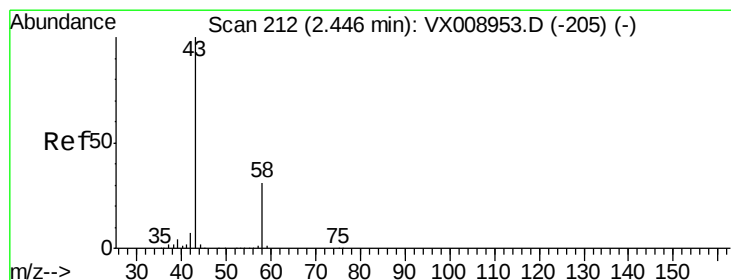
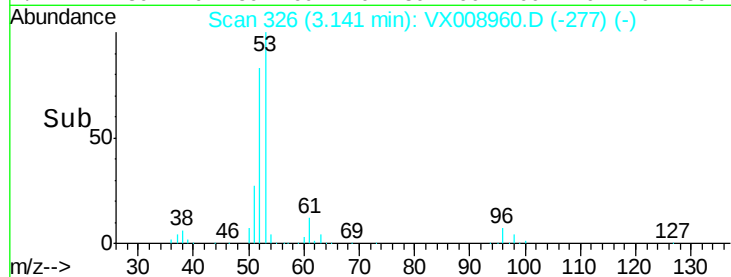
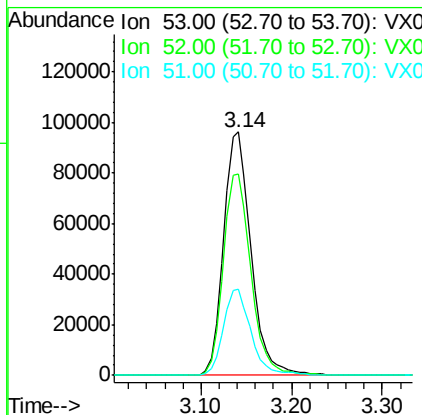
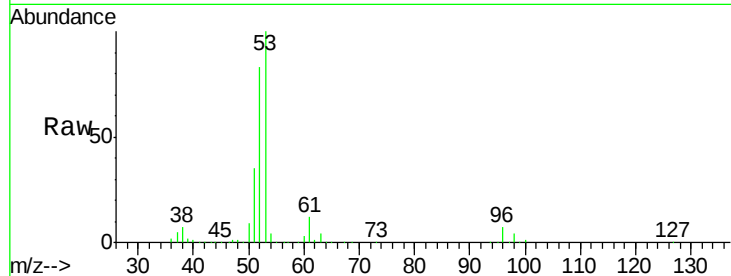
ClientSampleId :

VX0415WBS01

Tot Ion:	53	Resp:	202492
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.6	100.0
51	35.9	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 99.000 ug/l

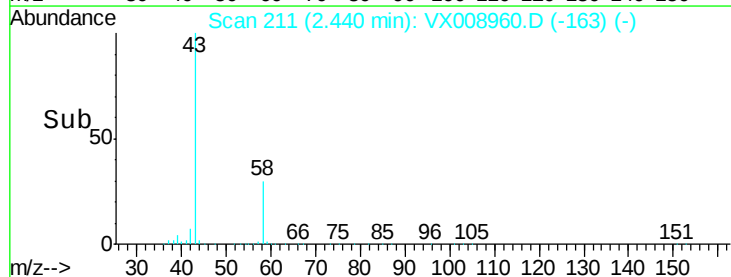
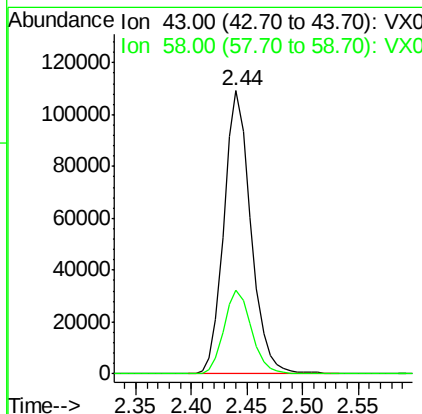
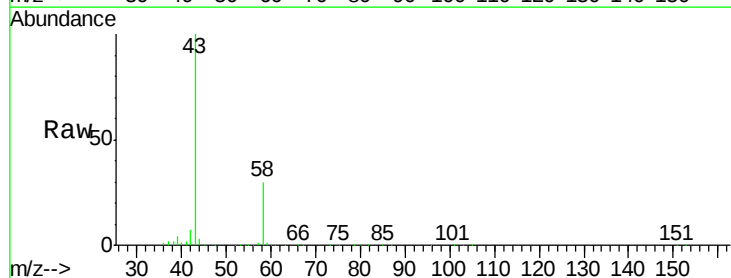
RT: 2.44 min Scan# 211

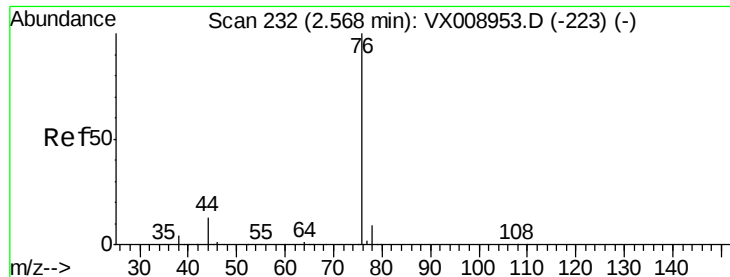
Delta R.T. -0.01 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Tgt Ion:	43	Resp:	181787
Ion Ratio	Lower	Upper	
43	100		
58	29.6	24.8	37.2





#17

Carbon Disulfide

Concen: 20.946 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBS01

Tot Ion: 76 Resp: 159937

Ion Ratio Lower Upper

76 100

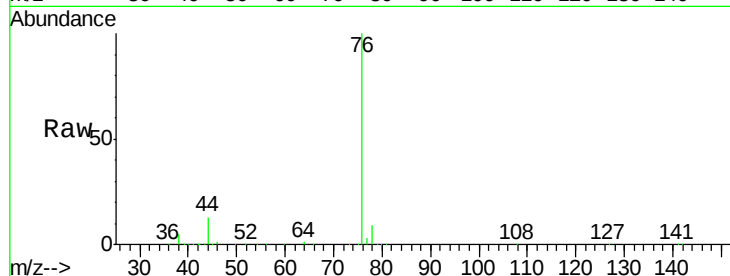
78 8.8 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

100000

80000

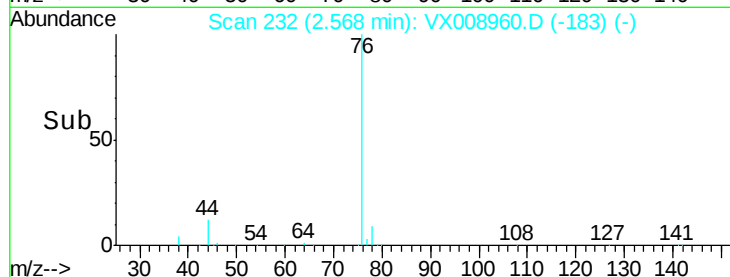
60000

40000

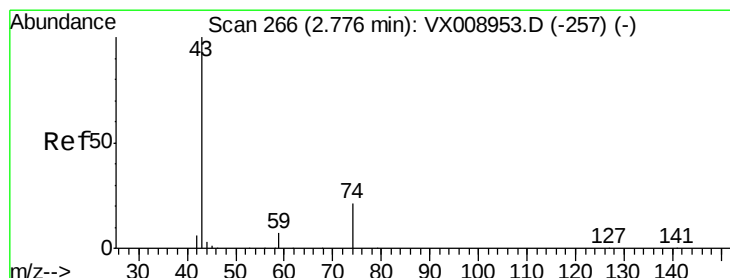
20000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 19.163 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX008960.D

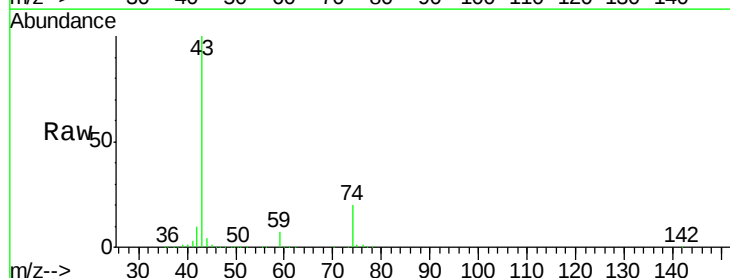
Acq: 15 Apr 2019 15:13

Tgt Ion: 43 Resp: 87818

Ion Ratio Lower Upper

43 100

74 21.0 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

50000

40000

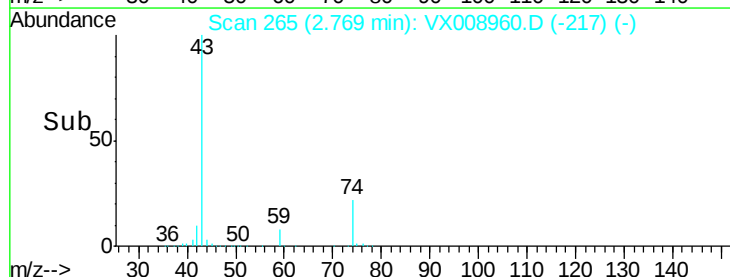
30000

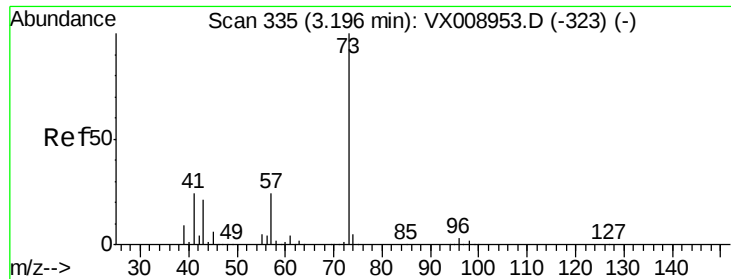
20000

10000

0

Time-->





#19

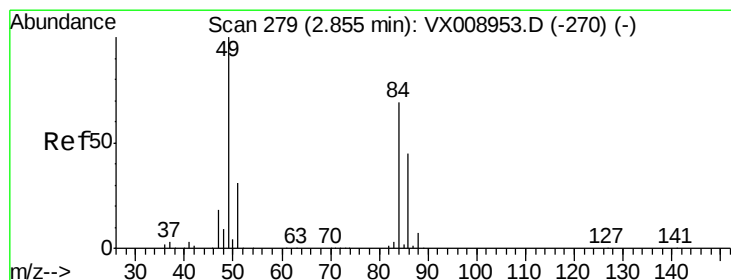
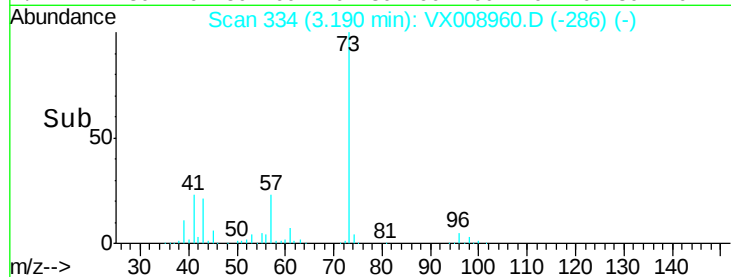
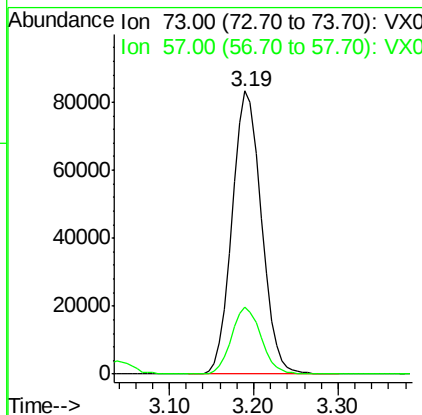
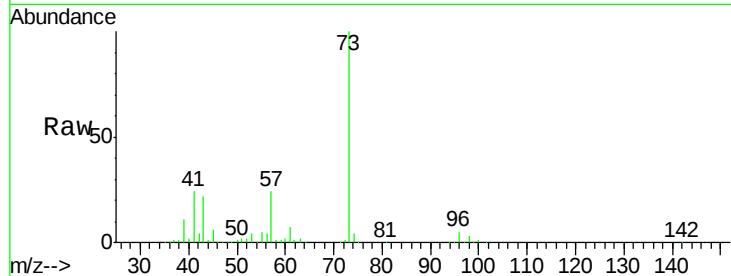
Methyl tert-butyl Ether
 Concen: 20.411 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0415WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.2	28.8

Manual Integrations
 APPROVED

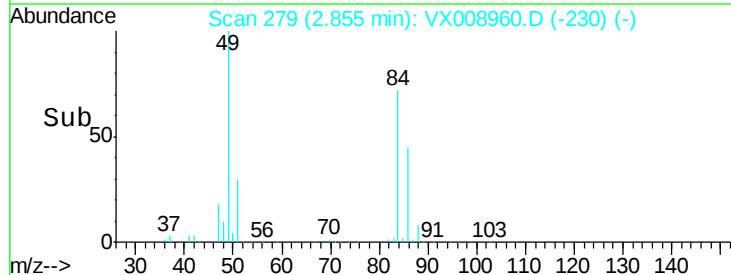
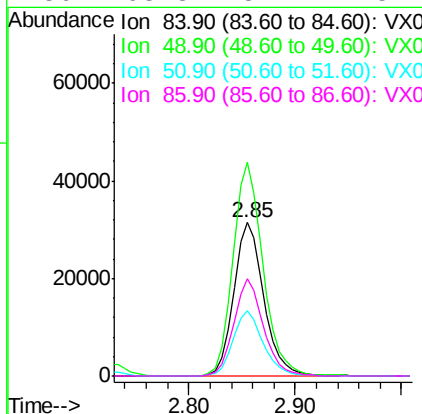
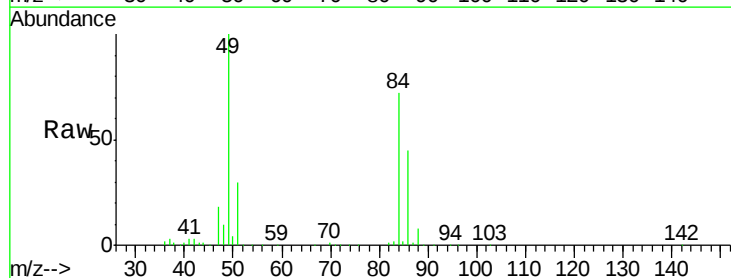
MMDadoda
 4/16/2019 10:53:22 AM

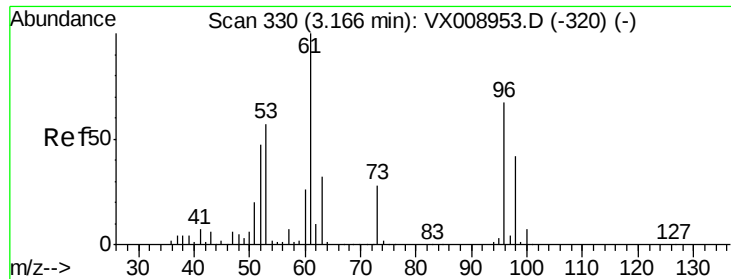


#20

Methylene Chloride
 Concen: 19.873 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.0	115.4	173.0
51	42.4	35.8	53.6
86	63.3	52.1	78.1





#21

trans-1,2-Dichloroethene

Concen: 19.827 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

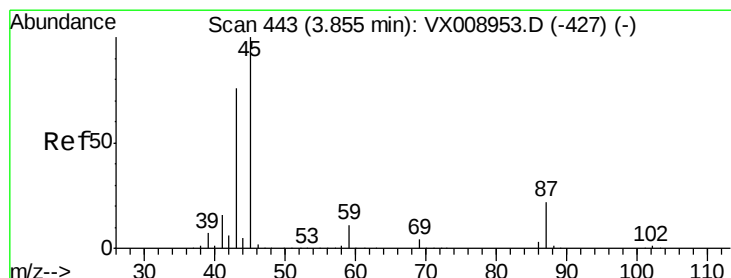
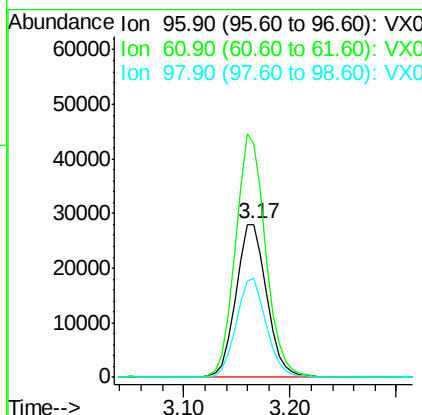
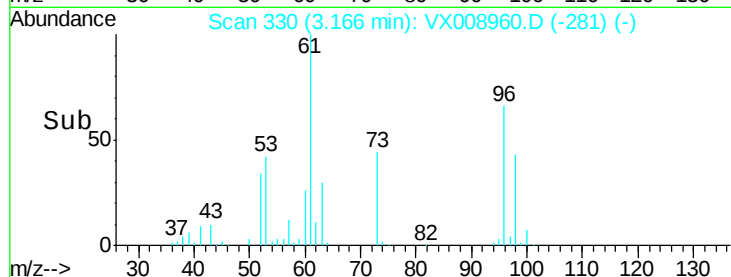
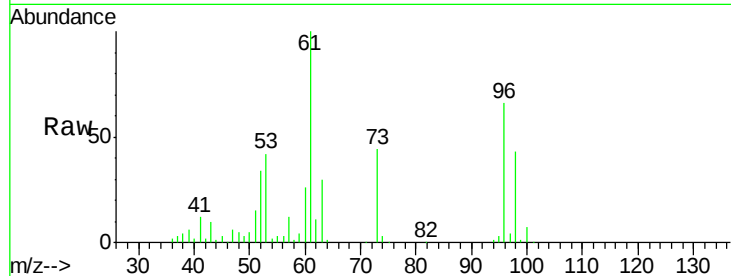
ClientSampleId :

VX0415WBS01

Tot Ion:	96	Resp:	56981
Ion Ratio	Lower	Upper	
96	100		
61	152.0	120.3	180.5
98	65.0	50.2	75.2

Manual Integrations
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4/16/2019 10:53:22 AM



#22

Diisopropyl ether

Concen: 20.958 ug/l

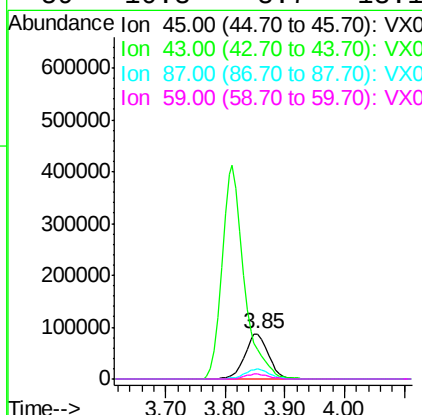
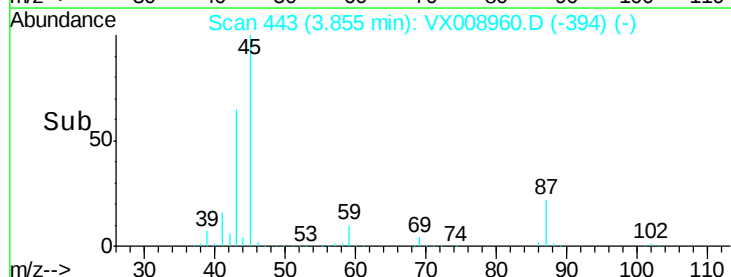
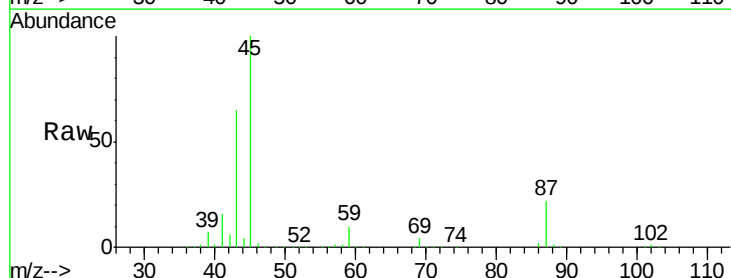
RT: 3.85 min Scan# 443

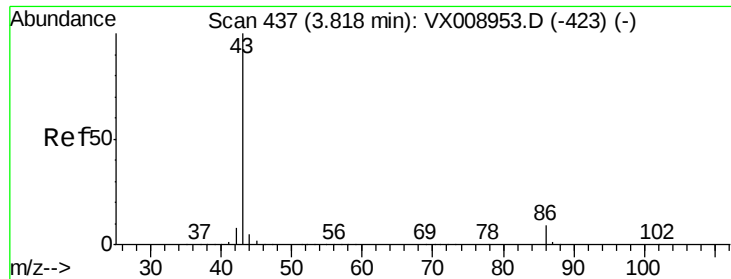
Delta R.T. 0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Tgt Ion:	45	Resp:	239396
Ion Ratio	Lower	Upper	
45	100		
43	65.3	60.6	91.0
87	22.0	17.8	26.8
59	10.3	8.7	13.1





#23

Vinyl Acetate

Concen: 105.662 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBS01

Tot Ion: 43 Resp: 1060958

Ion Ratio Lower Upper

43 100

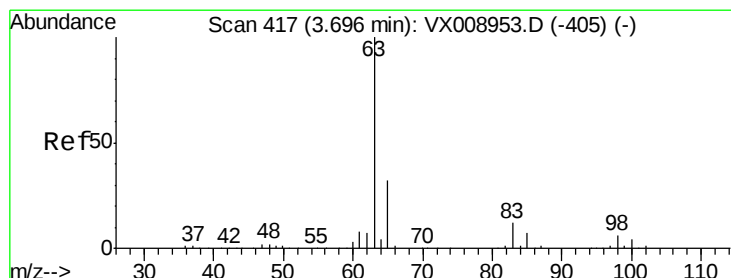
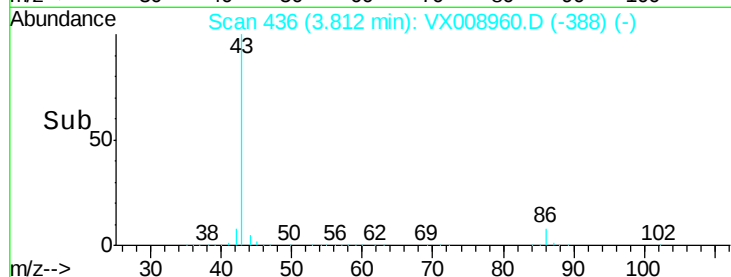
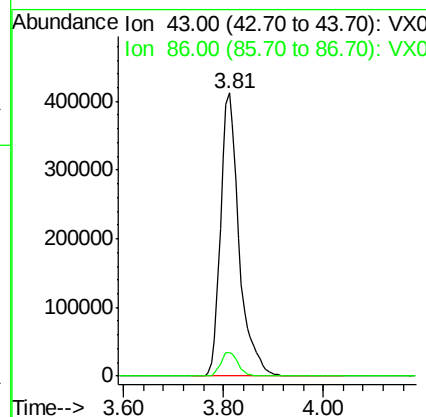
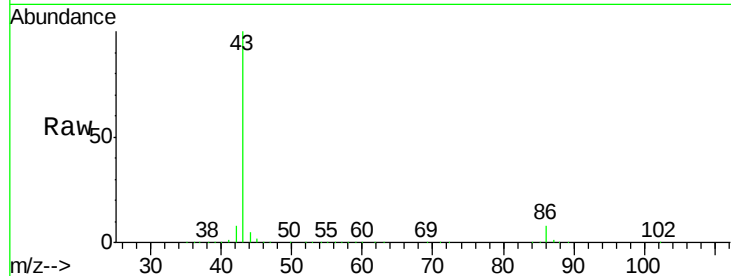
86 8.4 7.1 10.7

Manual Integrations

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MMDadoda

4/16/2019 10:53:22 AM



#24

1,1-Dichloroethane

Concen: 20.350 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

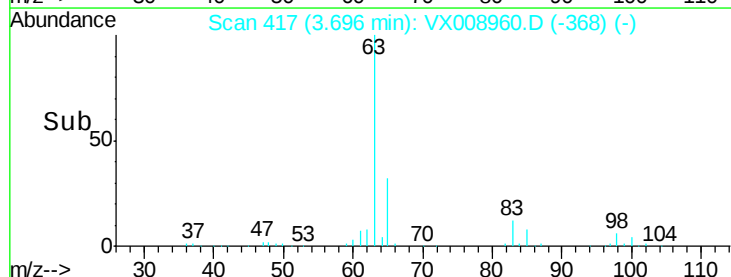
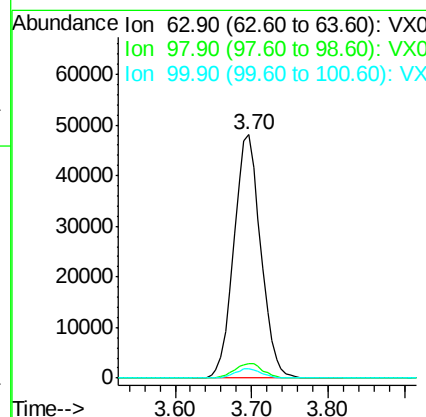
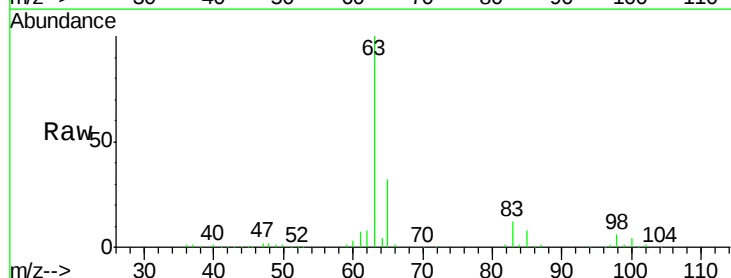
Tgt Ion: 63 Resp: 116685

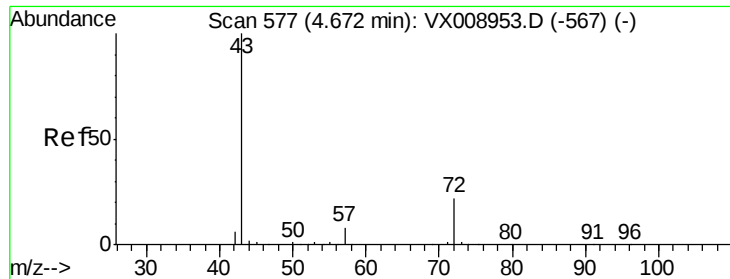
Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.3

100 3.7 1.9 5.7





#25

2-Butanone

Concen: 103.263 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBS01

Tot Ion: 43 Resp: 303086

Ion Ratio Lower Upper

43 100

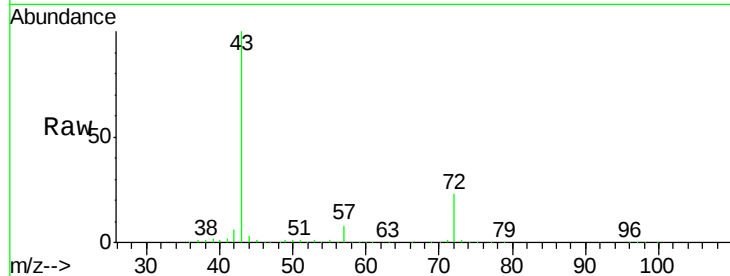
72 22.3 17.5 26.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

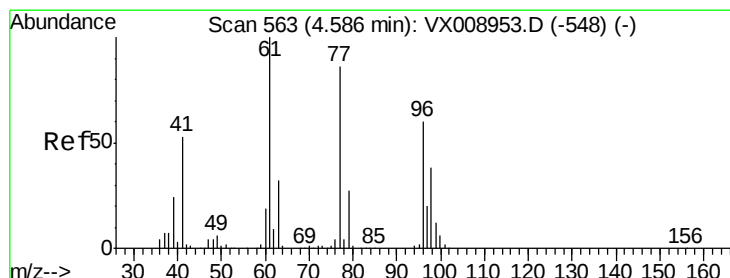
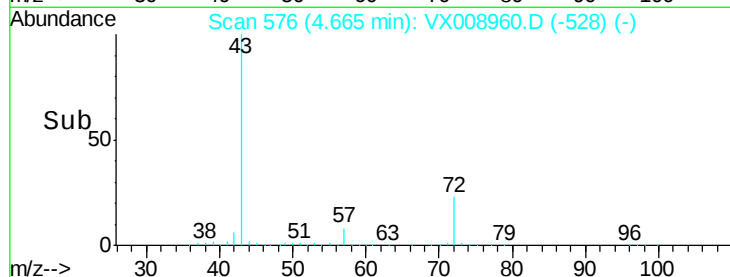
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 20.633 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008960.D

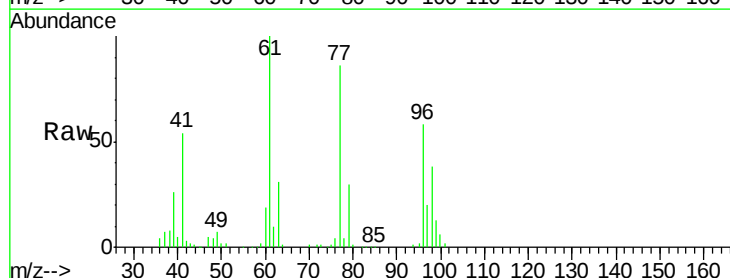
Acq: 15 Apr 2019 15:13

Tgt Ion: 77 Resp: 88683

Ion Ratio Lower Upper

77 100

97 23.0 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

25000

20000

15000

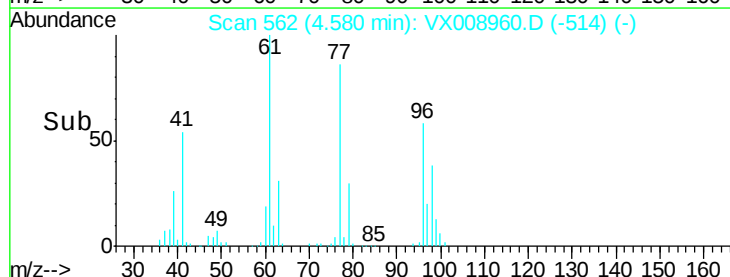
10000

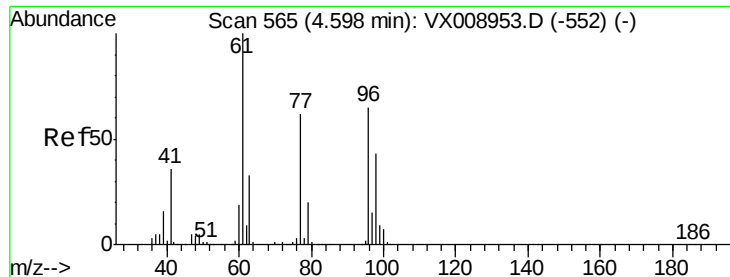
5000

0

4.40 4.50 4.60 4.70 4.80

Time-->





#27

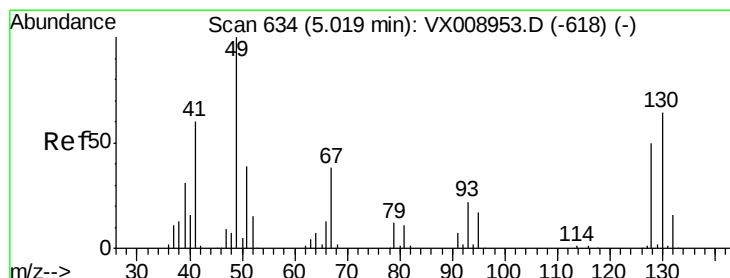
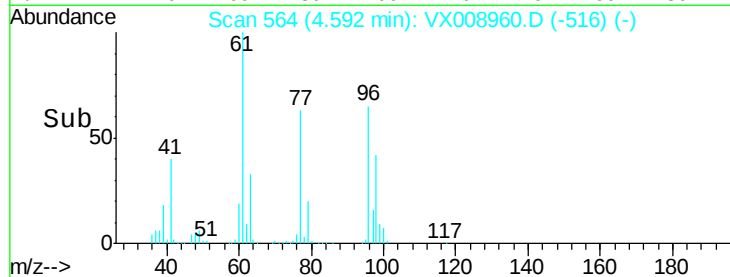
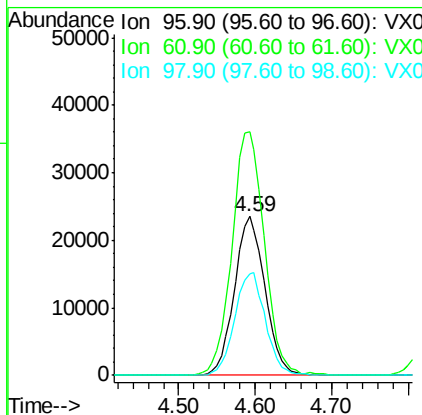
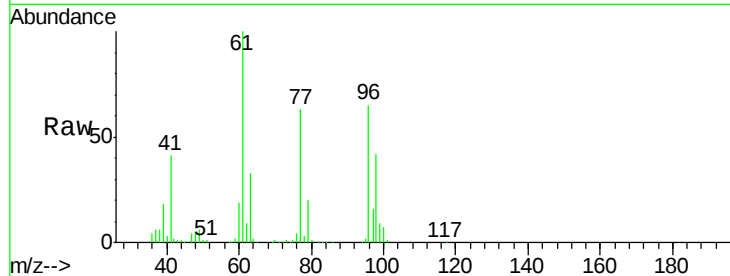
cis-1,2-Dichloroethene
Concen: 20.049 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Instrument :
MSVOA_X
ClientSampleId :
VX0415WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	65420		
61	161.8	0.0	322.0	
98	64.9	0.0	128.4	

Manual Integrations
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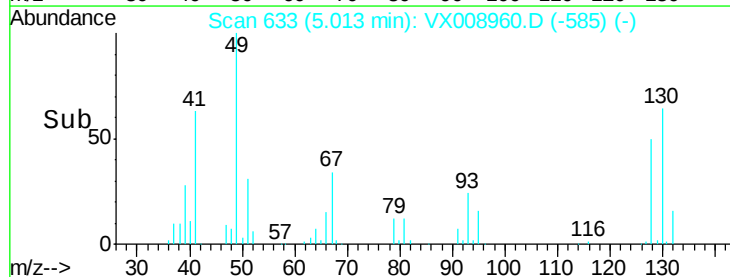
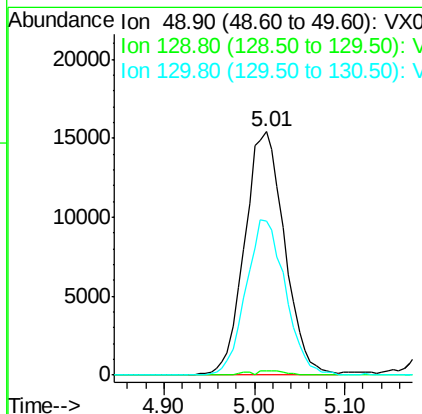
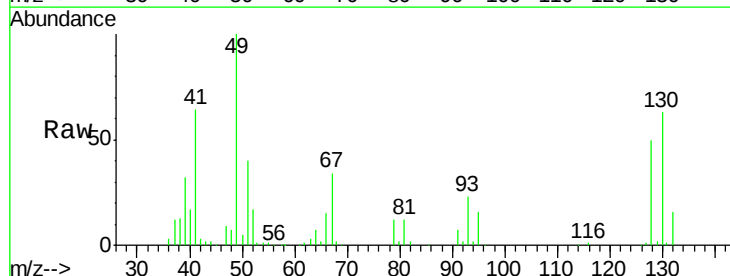
MMDadoda
4/16/2019 10:53:22 AM

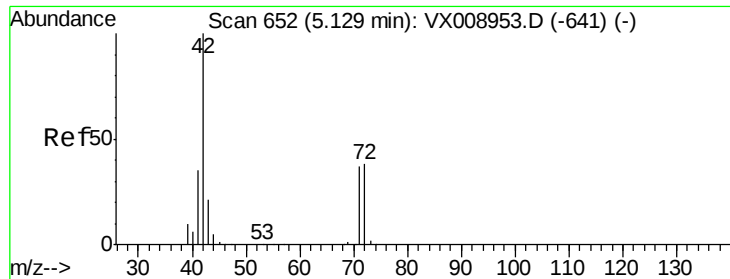


#28

Bromochloromethane
Concen: 18.537 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	47040		
129	1.2	0.0	3.6	
130	63.0	50.4	75.6	





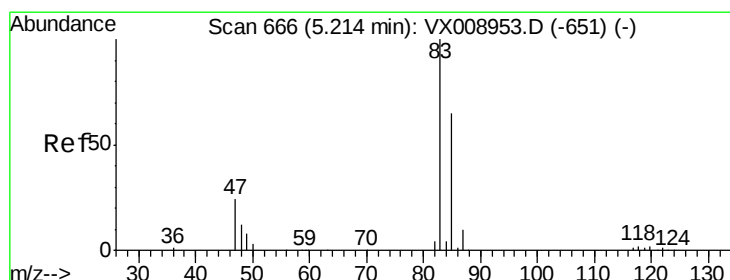
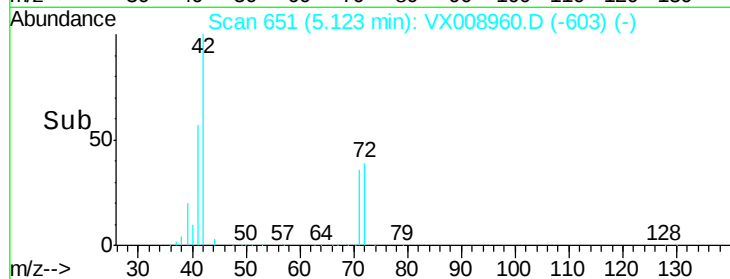
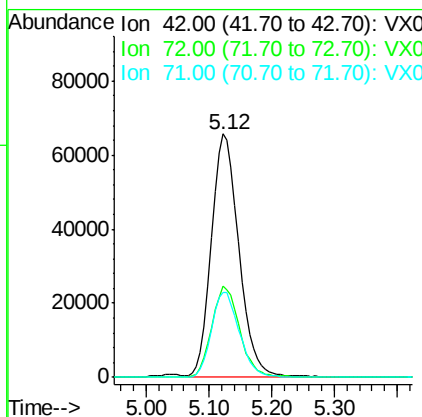
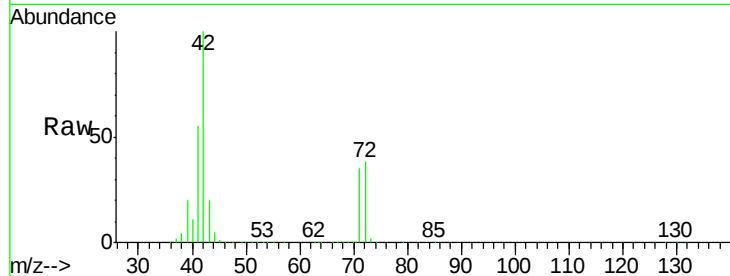
#29
Tetrahydrofuran
Concen: 101.358 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Instrument :
MSVOA_X
ClientSampleId :
VX0415WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.1	30.6	45.8
71	35.4	28.8	43.2

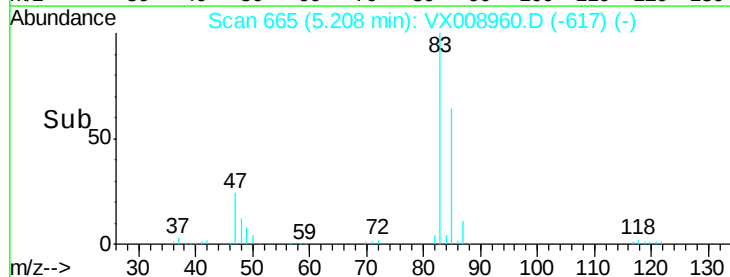
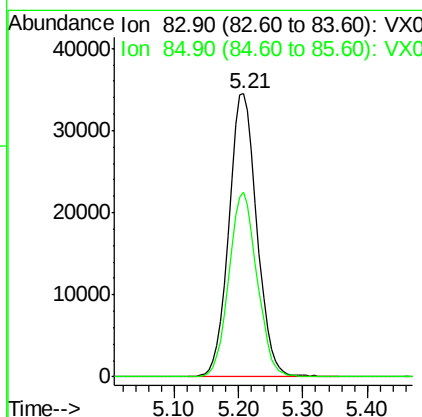
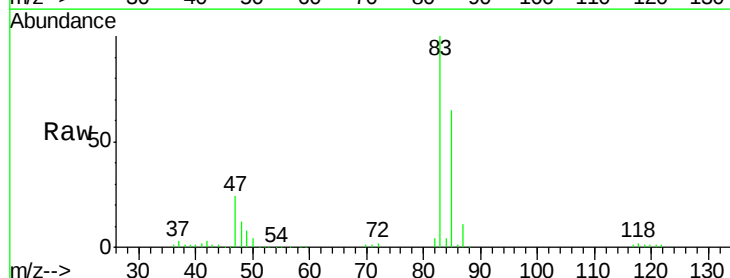
Manual Integrations
APPROVED

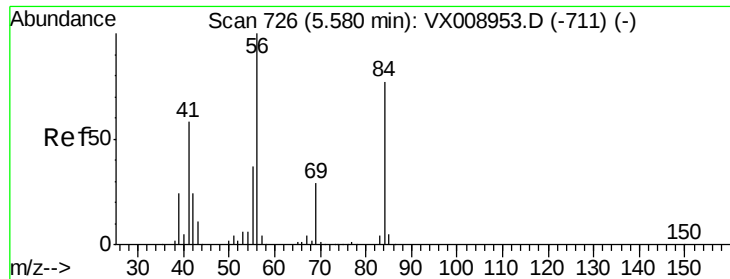
MMDadoda
4/16/2019 10:53:22 AM



#30
Chloroform
Concen: 20.407 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.9	77.9





#31

Cyclohexane

Concen: 21.083 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

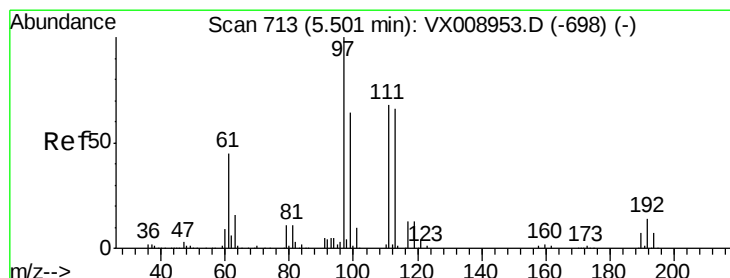
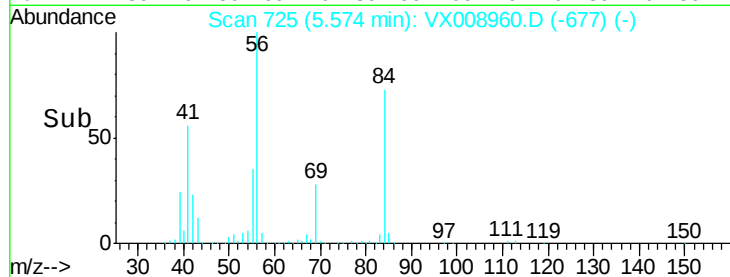
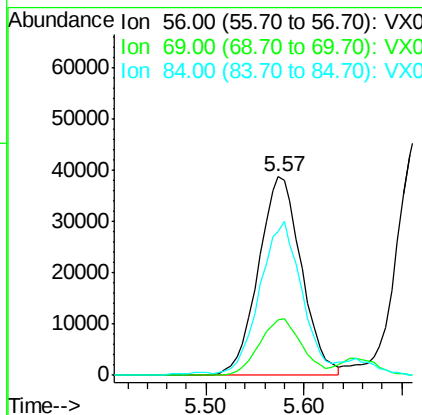
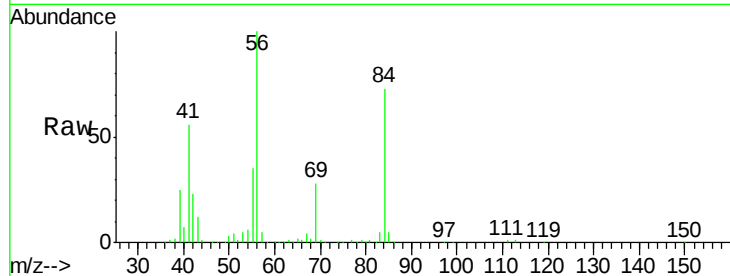
ClientSampleId :

VX0415WBS01

Tot Ion:	56	Resp:	118902
Ion	Ratio	Lower	Upper
56	100		
69	27.7	23.3	34.9
84	71.7	61.7	92.5

Manual Integrations
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4/16/2019 10:53:22 AM



#32

1,1,1-Trichloroethane

Concen: 20.481 ug/l

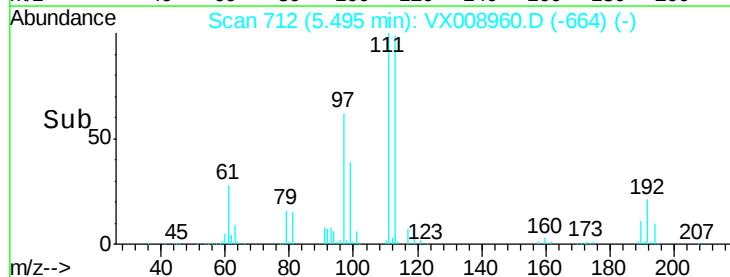
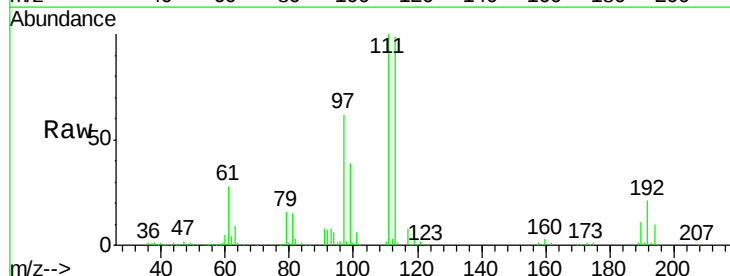
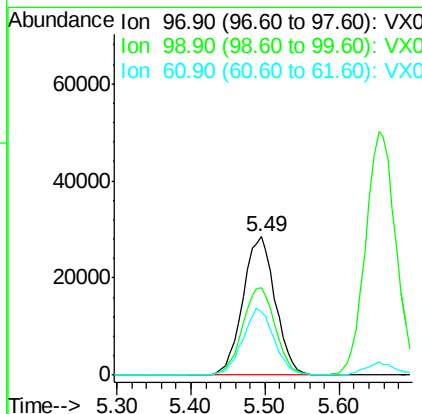
RT: 5.49 min Scan# 712

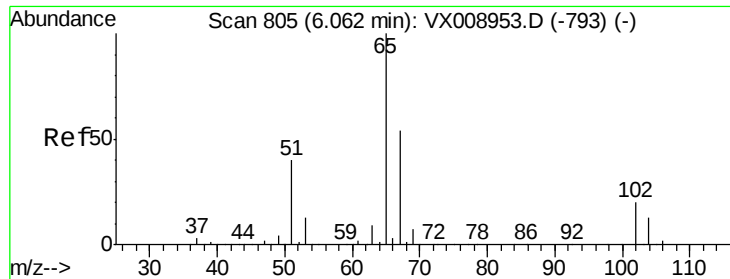
Delta R.T. -0.01 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Tgt Ion:	97	Resp:	87098
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	46.9	37.9	56.9





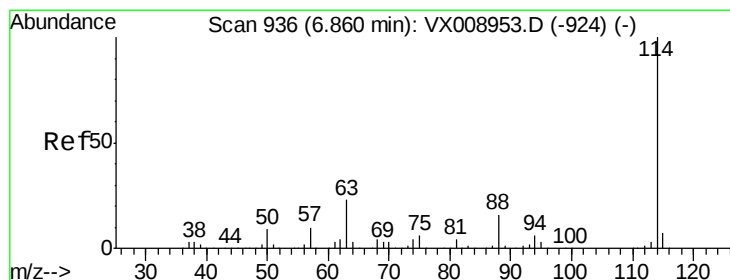
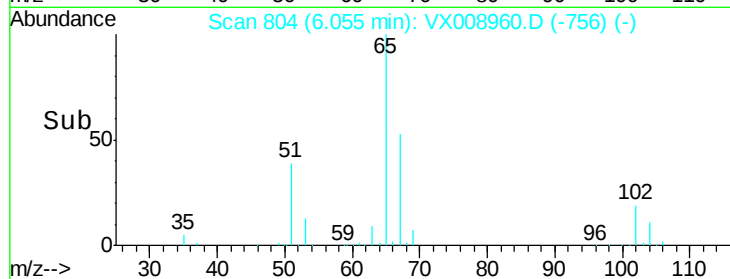
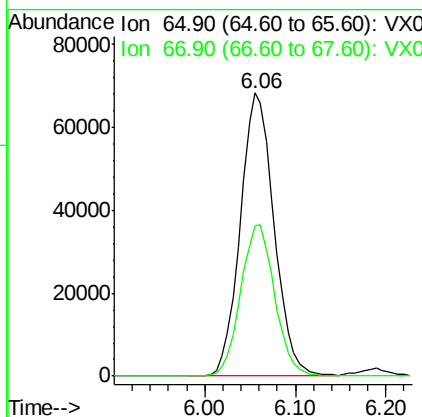
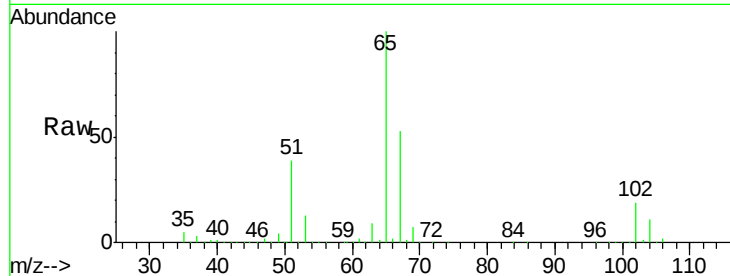
#33
 1,2-Dichloroethane-d4
 Concen: 49.660 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0415WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	175842		
67	54.0	0.0	108.6	

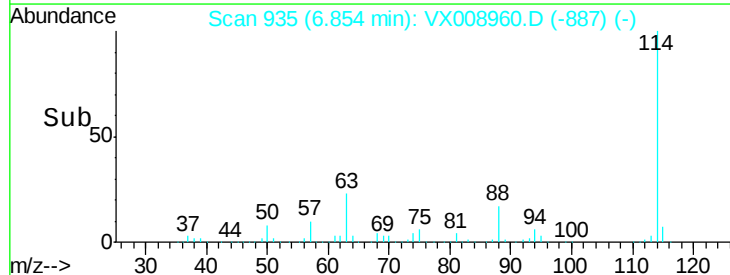
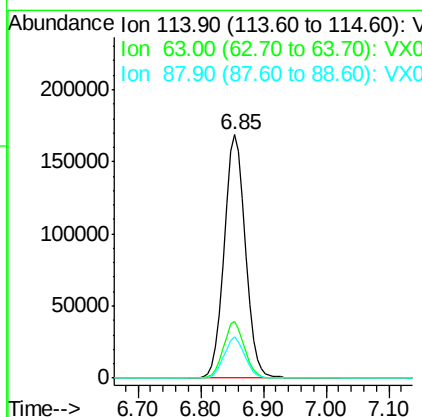
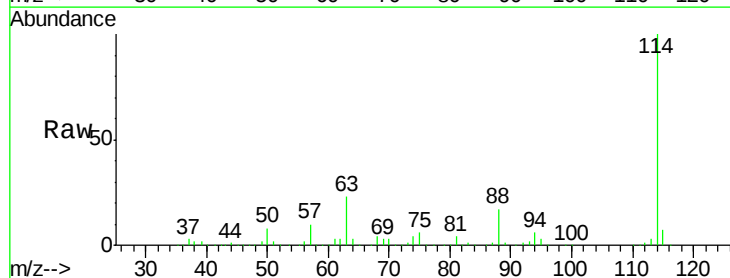
Manual Integrations
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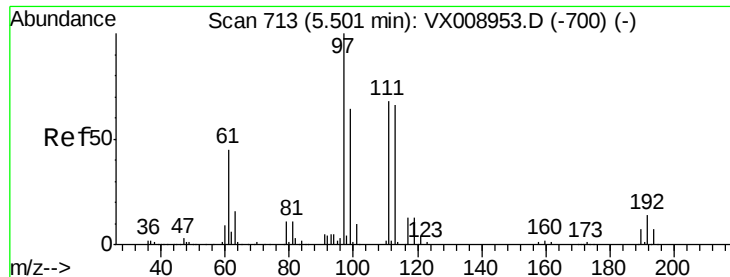
MMDadoda
 4/16/2019 10:53:22 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	394622		
63	23.5	0.0	46.0	
88	16.9	0.0	32.6	





#35

Dibromofluoromethane

Concen: 51.104 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

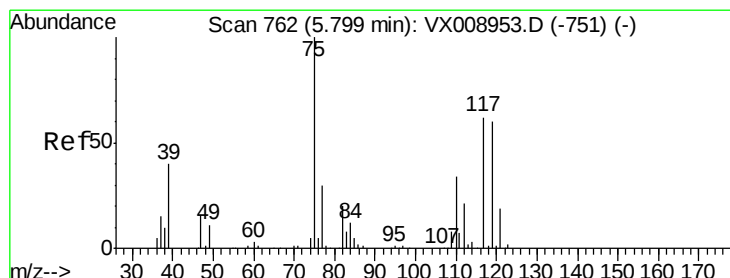
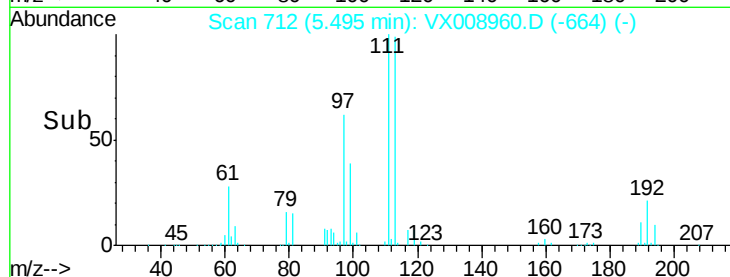
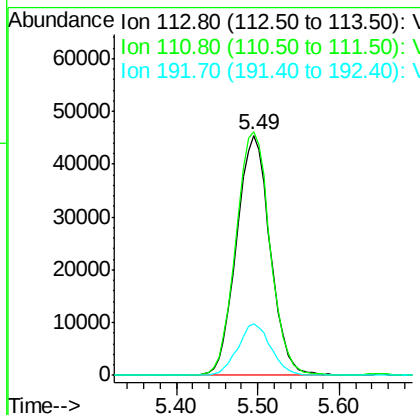
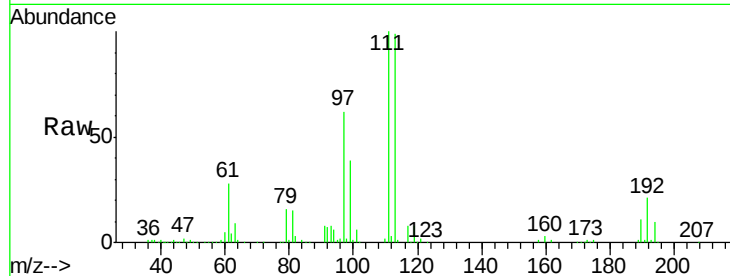
ClientSampleId :

VX0415WBS01

Tot Ion:	113	Resp:	129426
Ion Ratio	Lower	Upper	
113	100		
111	103.6	82.9	124.3
192	21.2	17.4	26.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.460 ug/l

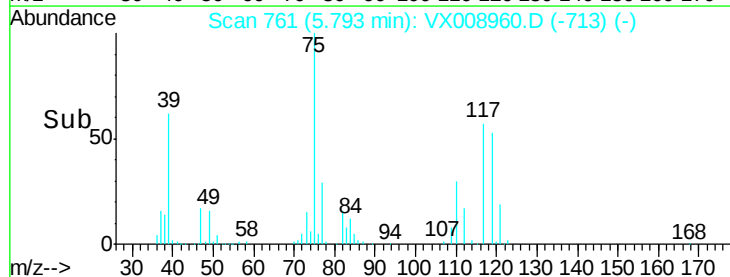
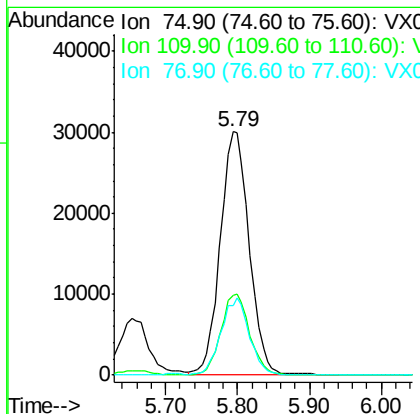
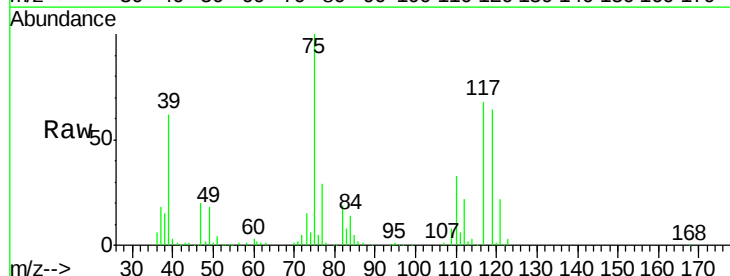
RT: 5.79 min Scan# 761

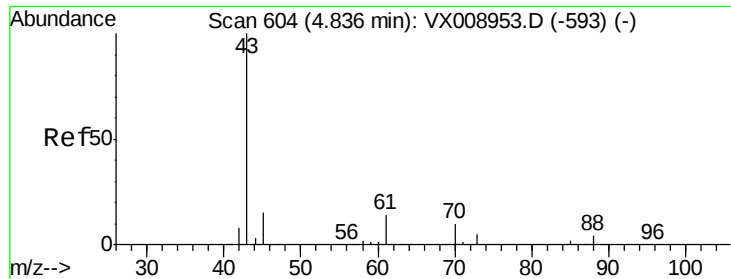
Delta R.T. -0.01 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Tgt Ion:	75	Resp:	83502
Ion Ratio	Lower	Upper	
75	100		
110	33.2	16.9	50.7
77	31.2	25.0	37.4





#37

Ethyl Acetate

Concen: 21.641 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

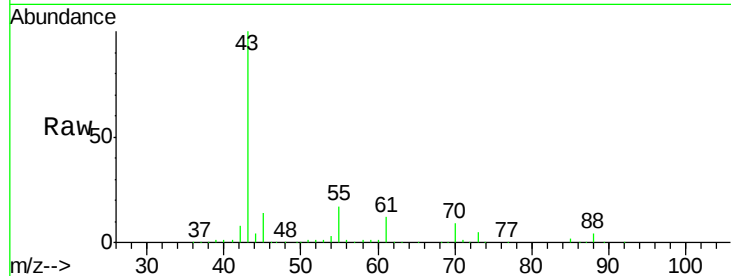
ClientSampleId :

VX0415WBS01

Tot Ion:	43	Resp:	113650
Ion Ratio	Lower	Upper	
43	100		
61	13.0	10.6	15.8
70	9.6	7.7	11.5

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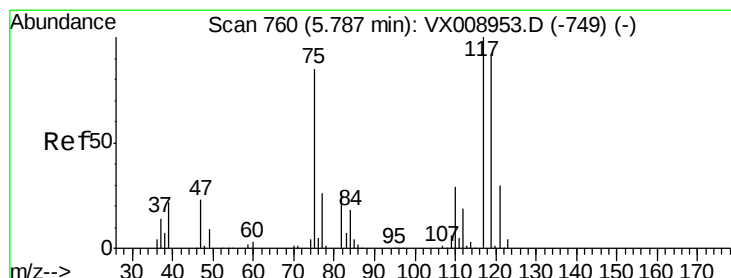
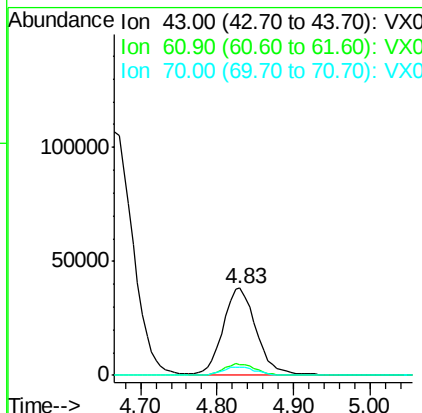
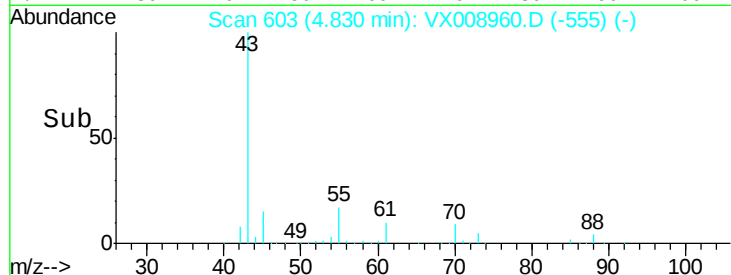


Abundance Ion 43.00 (42.70 to 43.70): VX008953.D (-593) (-)

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

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

Time-->



#38

Carbon Tetrachloride

Concen: 20.999 ug/l

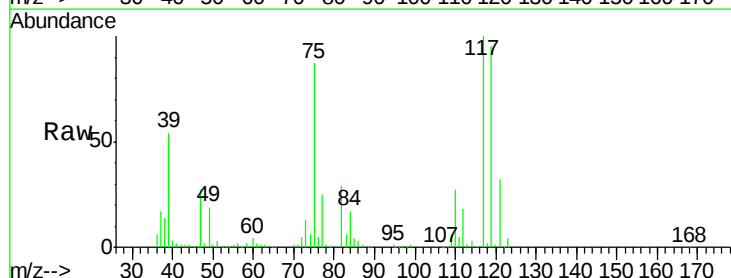
RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Tgt Ion:	117	Resp:	72657
Ion Ratio	Lower	Upper	
117	100		
119	95.0	73.8	110.8
121	31.6	23.6	35.4

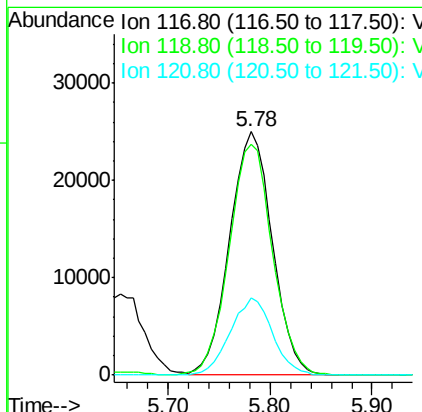
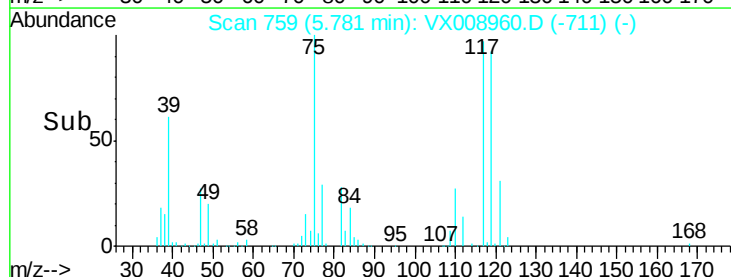


Abundance Ion 116.80 (116.50 to 117.50): VX008953.D (-749) (-)

Ion 118.80 (118.50 to 119.50): VX008953.D (-749) (-)

Ion 120.80 (120.50 to 121.50): VX008953.D (-749) (-)

Time-->





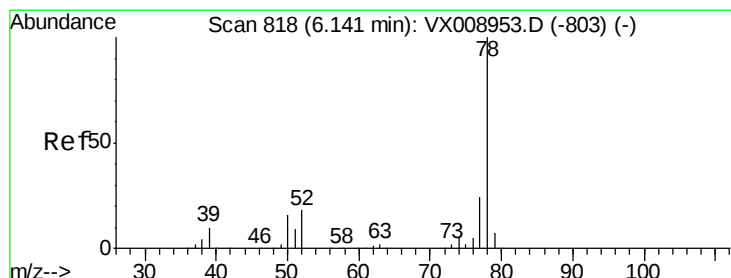
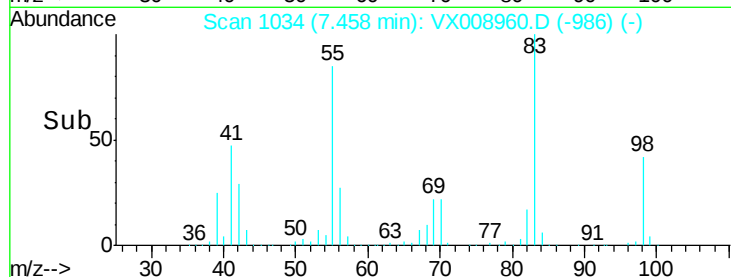
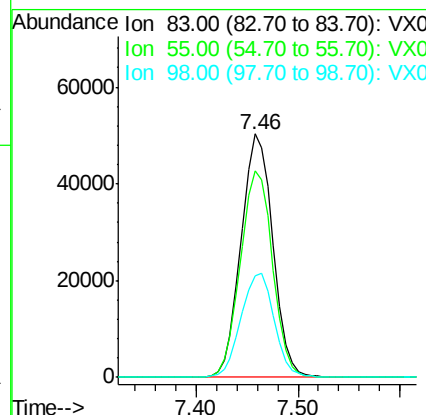
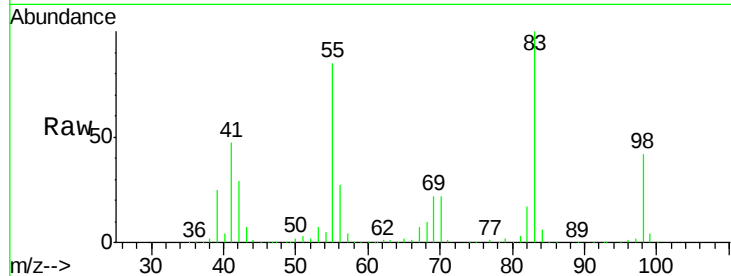
#39
Methvlcvclohexane
Concen: 21.963 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Instrument :
MSVOA_X
ClientSampleId :
VX0415WS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.8	67.1	100.7
98	41.8	35.1	52.7

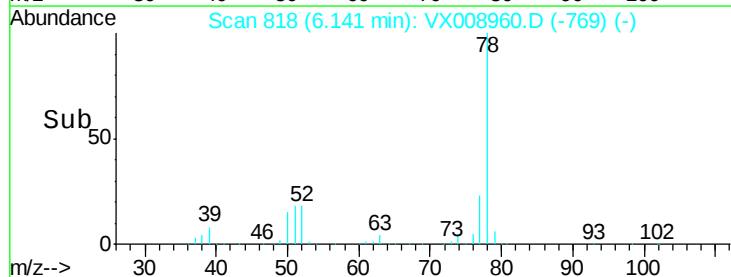
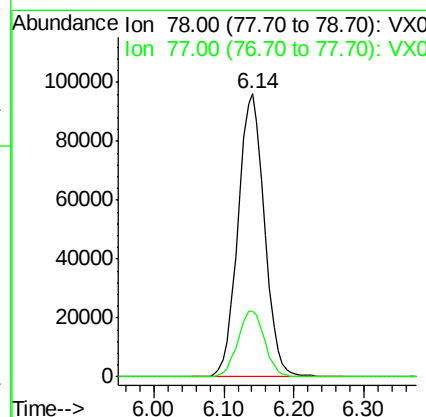
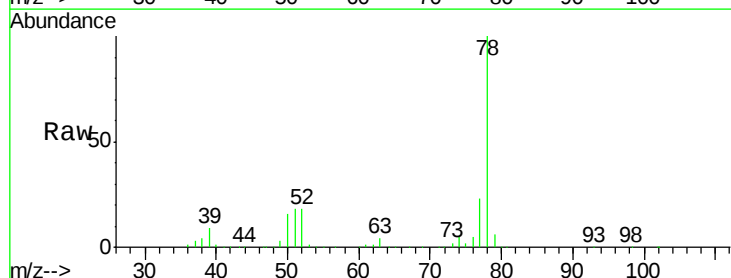
Manual Integrations
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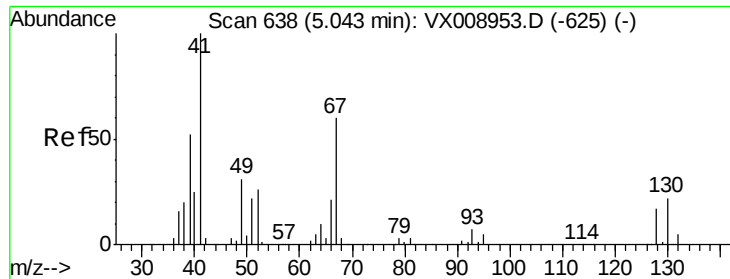
MMDadoda
4/16/2019 10:53:22 AM



#40
Benzene
Concen: 20.988 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.6





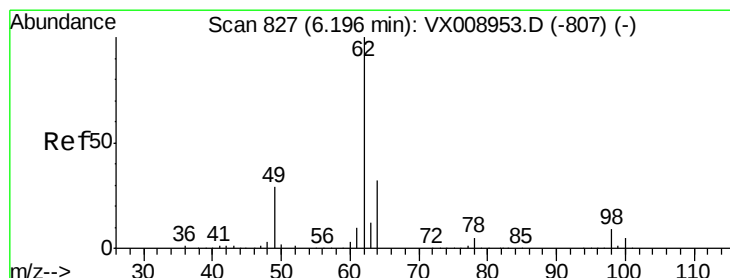
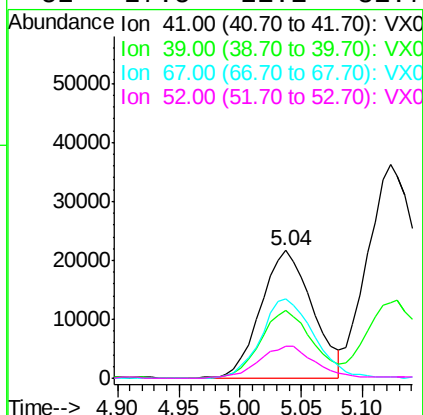
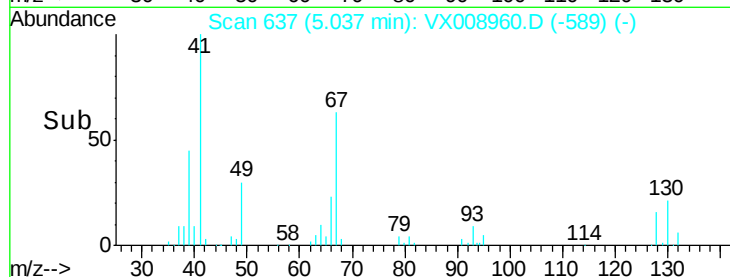
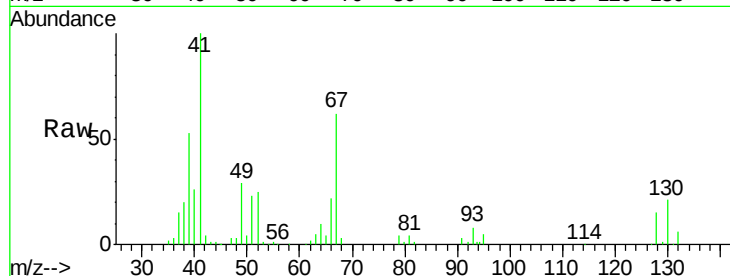
#41
Methacrylonitrile
Concen: 21.082 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Instrument :
MSVOA_X
ClientSampleId :
VX0415WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.8	41.8	62.6	
67	64.2	50.2	75.4	
52	27.5	21.1	31.7	

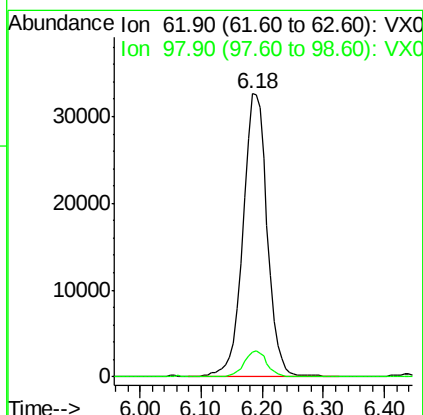
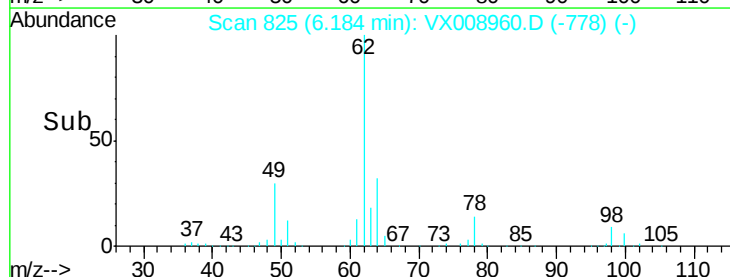
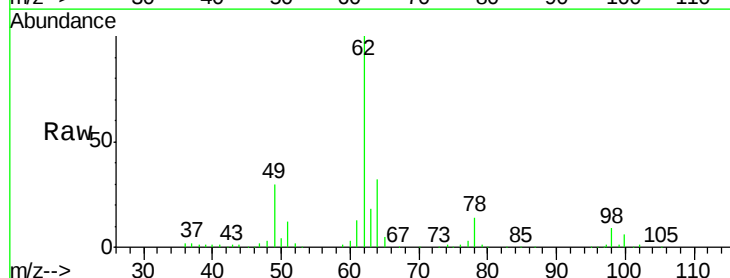
Manual Integrations
APPROVED

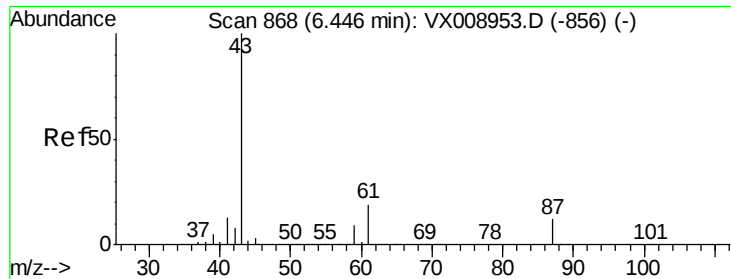
MMDadoda
4/16/2019 10:53:22 AM



#42
1,2-Dichloroethane
Concen: 21.122 ug/l
RT: 6.18 min Scan# 825
Delta R.T. -0.01 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	18.4	





#43

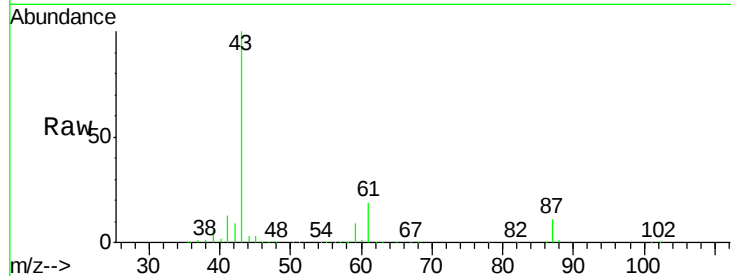
Isopropyl Acetate
 Concen: 21.072 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0415WBS01

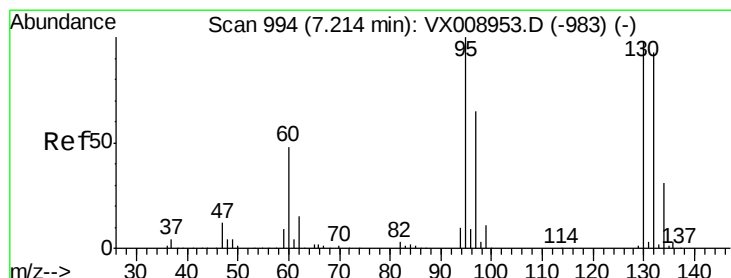
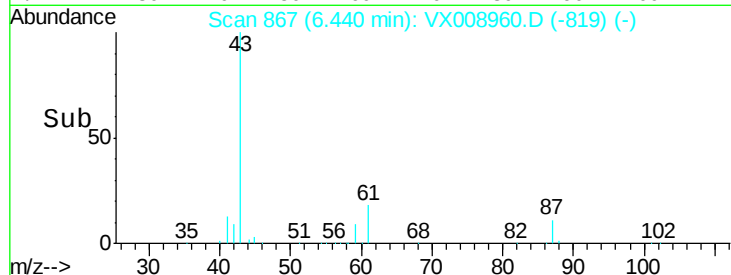
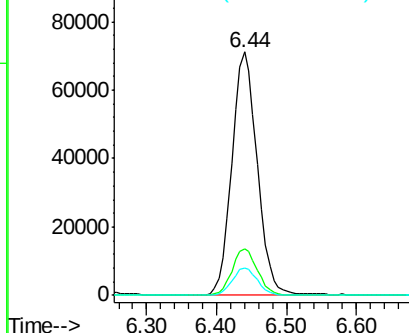
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.4	23.0
87	11.2	9.0	13.4

Manual Integrations
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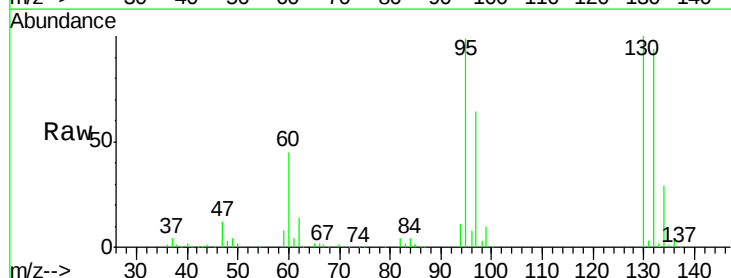
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



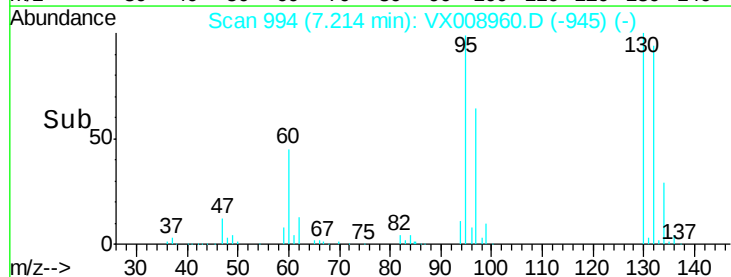
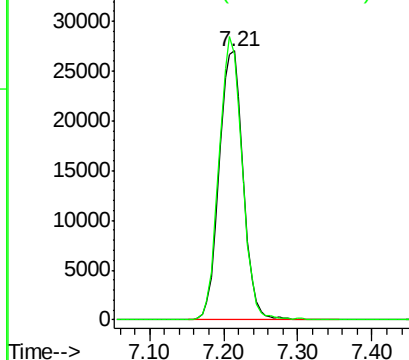
#44

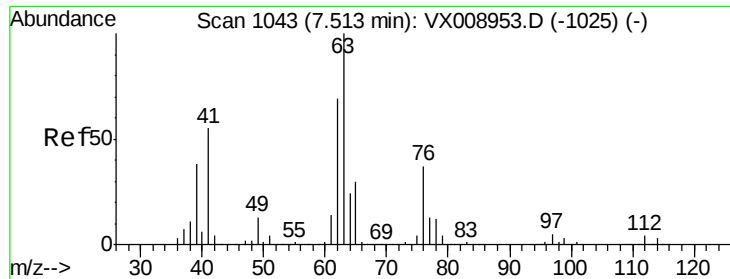
Trichloroethene
 Concen: 20.447 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	203.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 21.137 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBS01

Tot Ion: 63 Resp: 70603

Ion Ratio Lower Upper

63 100

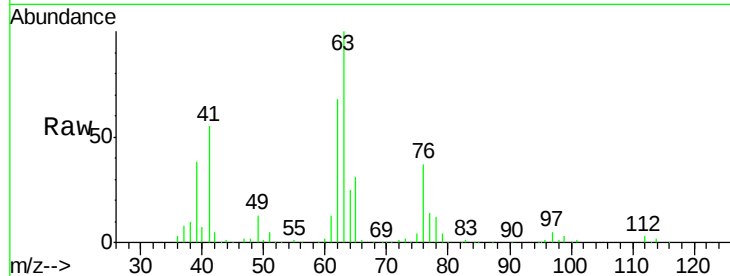
65 30.5 24.1 36.1

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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

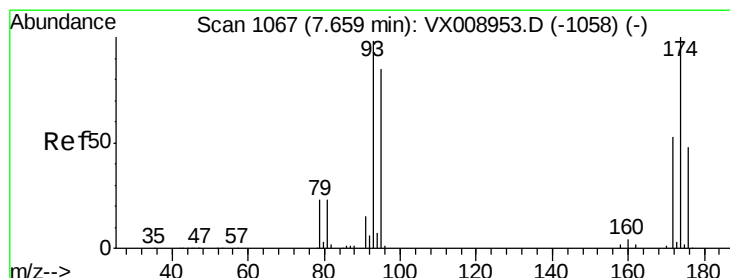
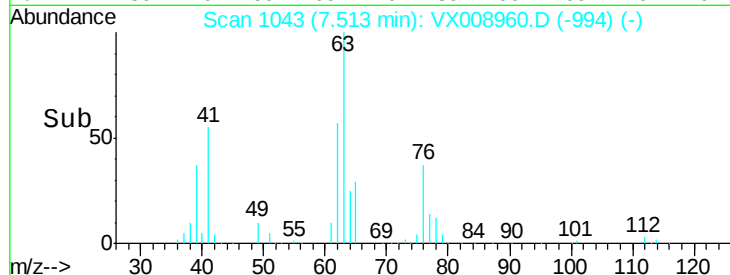
30000

20000

10000

0

Time--> 7.30 7.40 7.50 7.60 7.70



#46

Dibromomethane

Concen: 20.678 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

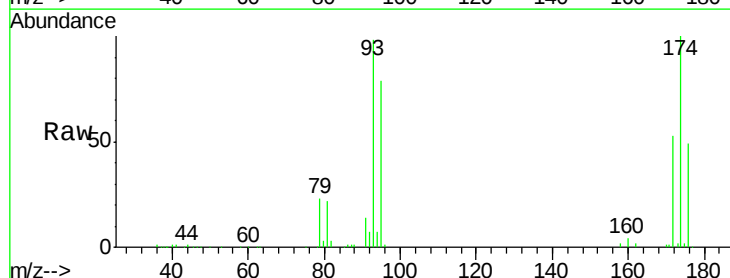
Tgt Ion: 93 Resp: 40197

Ion Ratio Lower Upper

93 100

95 83.7 67.0 100.4

174 102.2 81.6 122.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

7.66

25000

20000

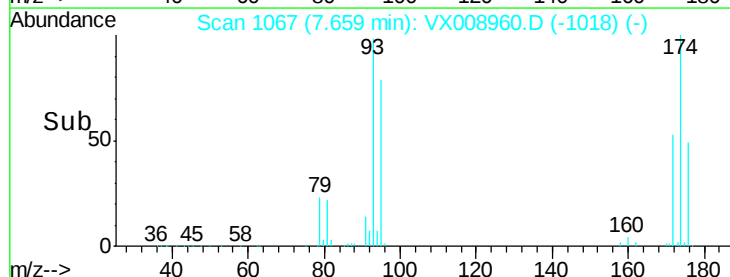
15000

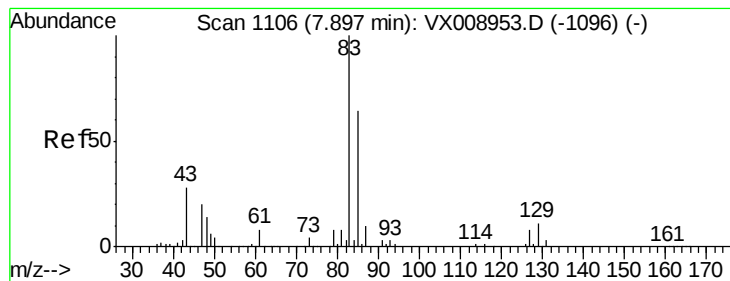
10000

5000

0

Time--> 7.60 7.70 7.80





#47

Bromodichloromethane

Concen: 21.055 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

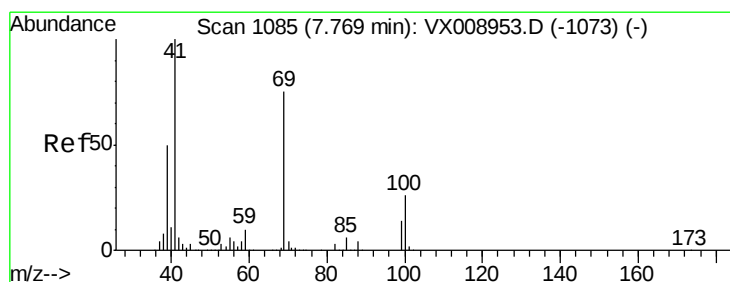
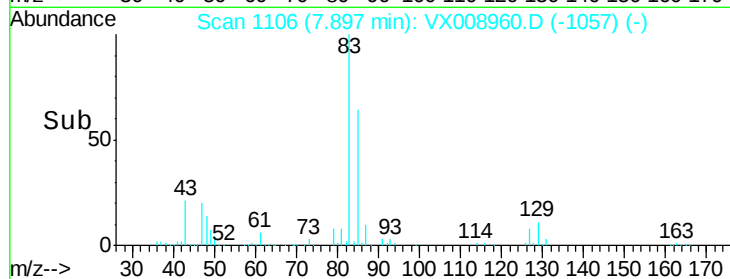
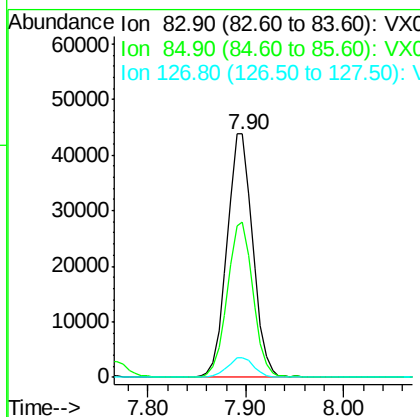
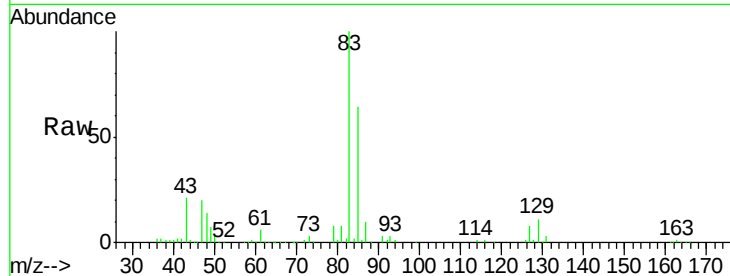
ClientSampleId :

VX0415WBS01

Tot Ion:	83	Resp:	80275
Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.8	76.2
127	8.2	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.600 ug/l

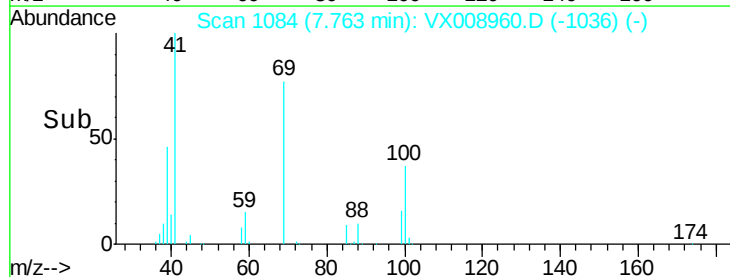
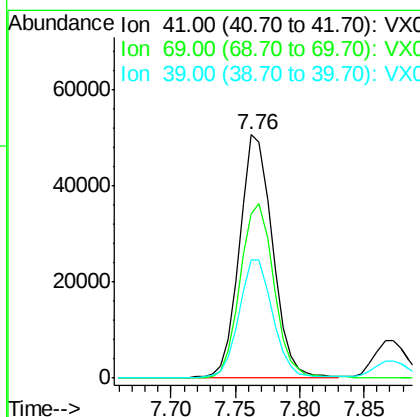
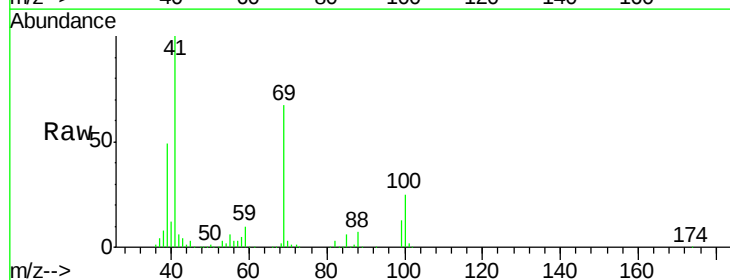
RT: 7.76 min Scan# 1084

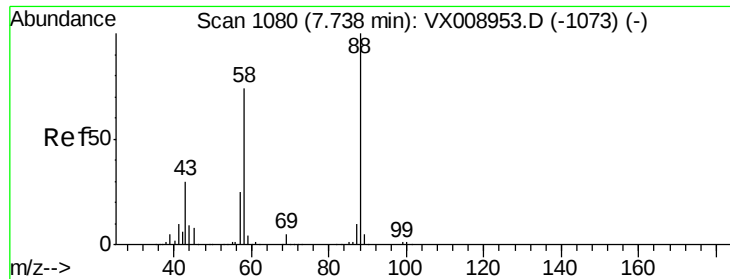
Delta R.T. -0.01 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Tgt Ion:	41	Resp:	90323
Ion	Ratio	Lower	Upper
41	100		
69	73.6	59.4	89.2
39	49.6	39.8	59.6





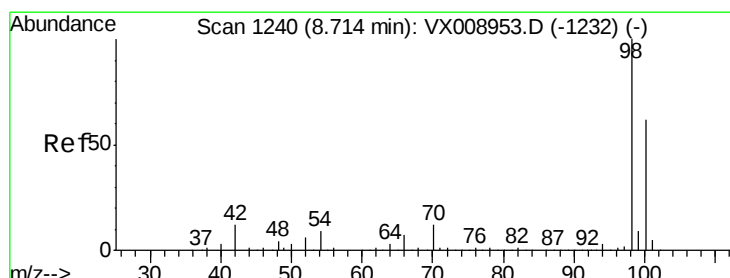
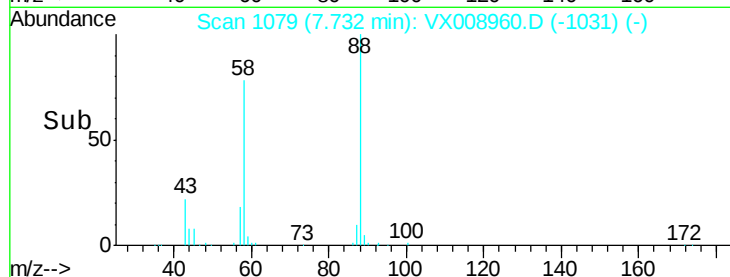
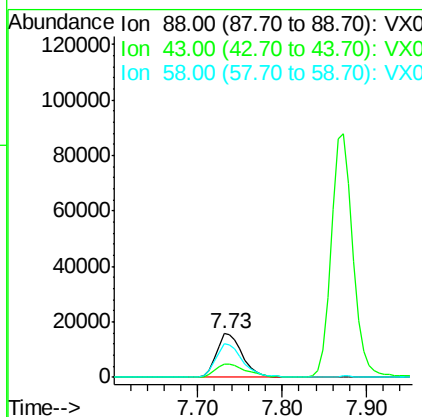
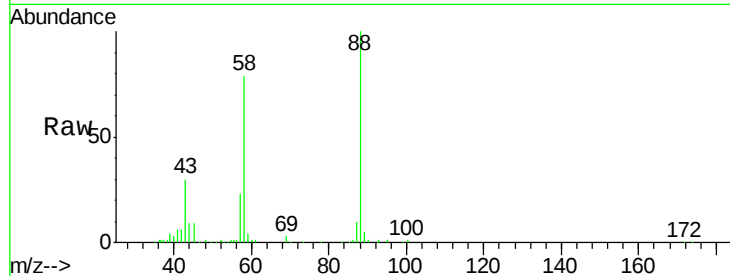
#49
1,4-Dioxane
Concen: 427.801 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Instrument :
MSVOA_X
ClientSampleId :
VX0415WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	29.3	43.9
58	79.9	62.6	93.8

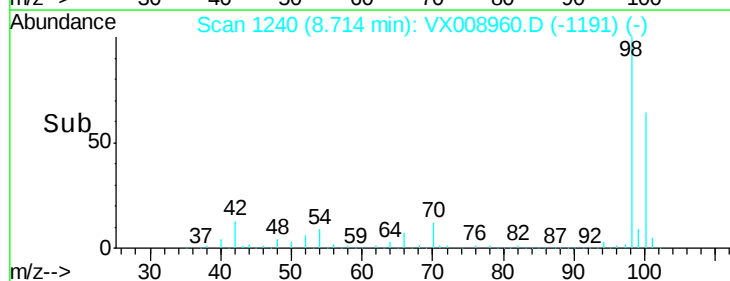
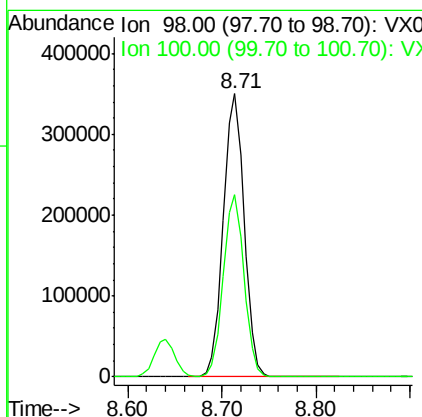
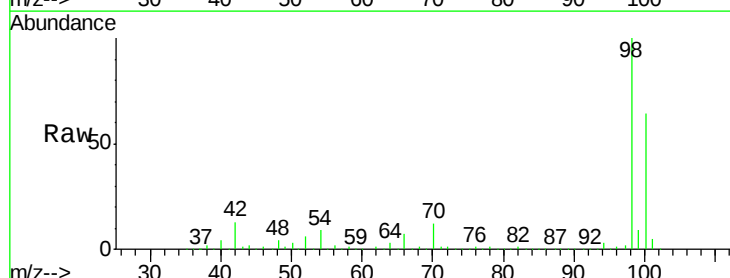
Manual Integrations
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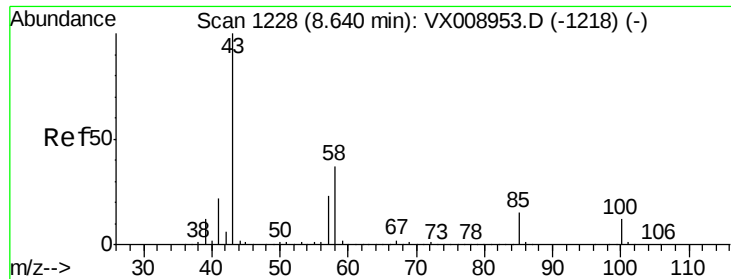
MMDadoda
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#50
Toluene-d8
Concen: 53.290 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.4	77.2





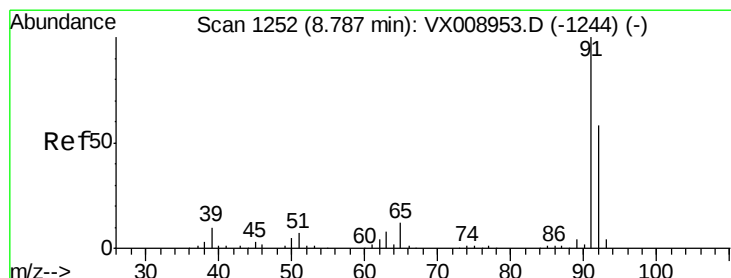
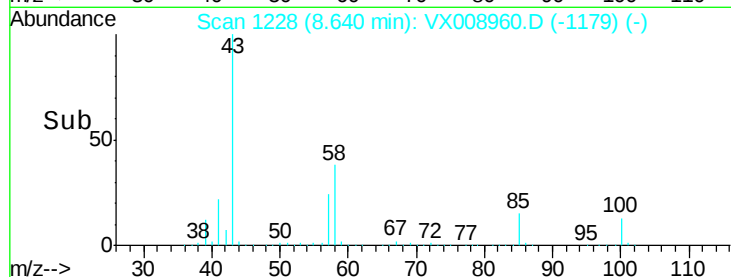
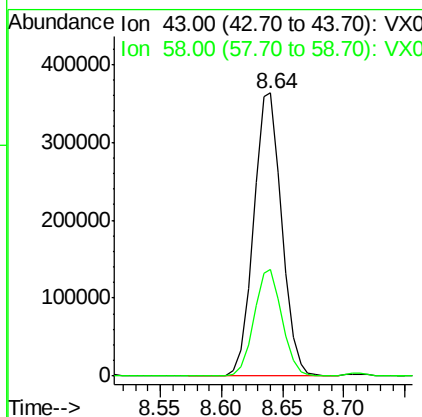
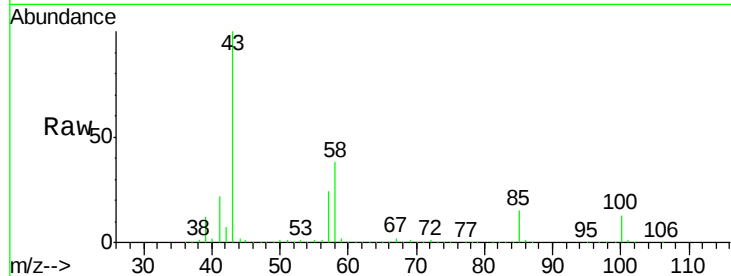
#51
4-Methyl-2-Pentanone
Concen: 108.200 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Instrument :
MSVOA_X
ClientSampleId :
VX0415WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.2	29.8	44.6

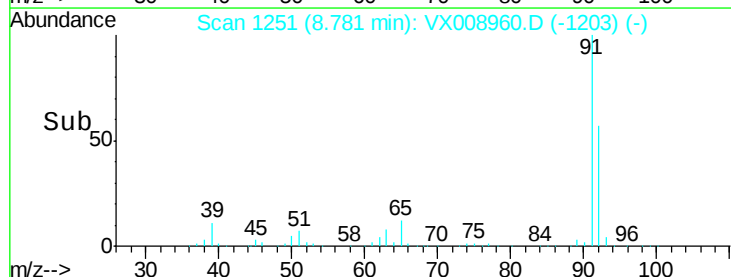
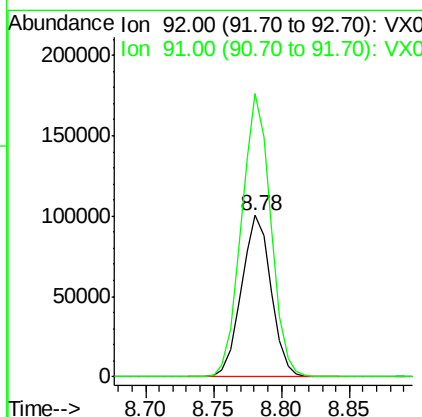
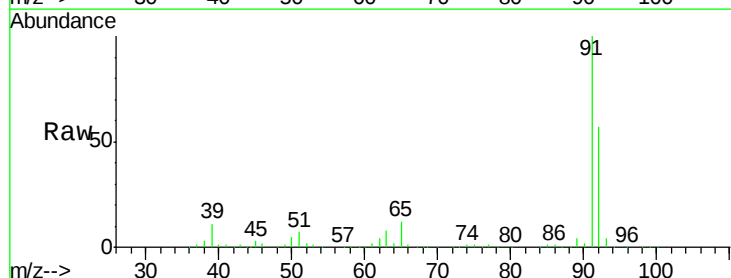
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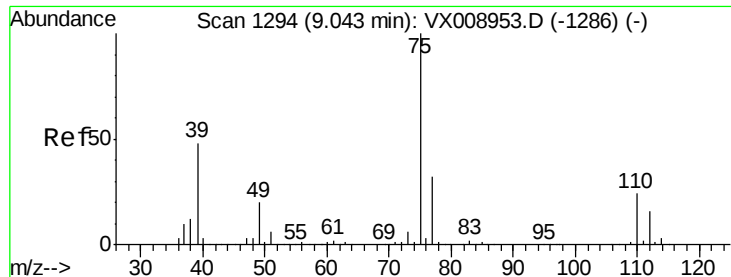
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4/16/2019 10:53:22 AM



#52
Toluene
Concen: 21.160 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.8	138.5	207.7





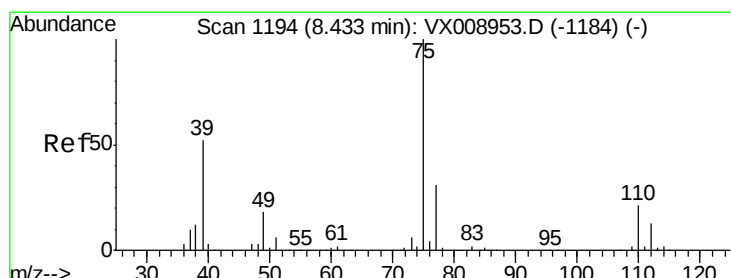
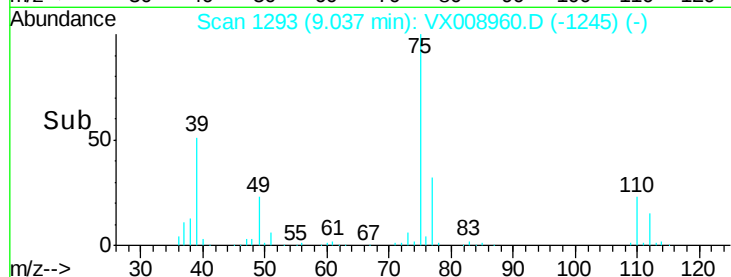
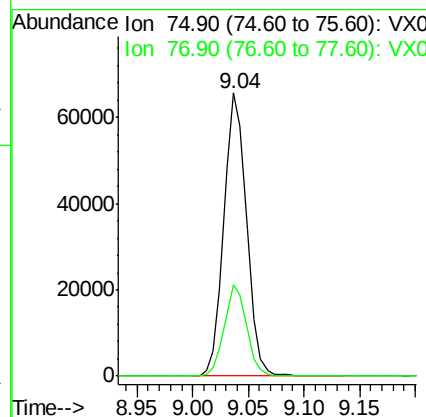
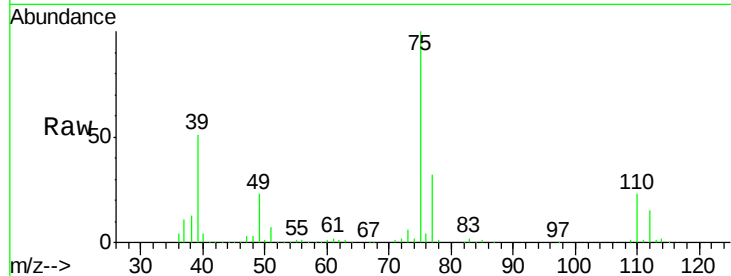
#53
 t-1,3-Dichloropropene
 Concen: 21.166 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0415WBS01

Tot Ion: 75 Resp: 92876
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.4 38.2

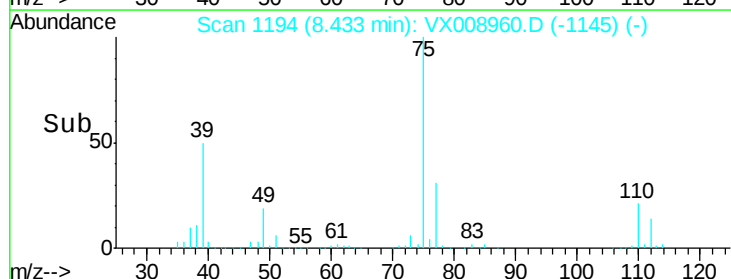
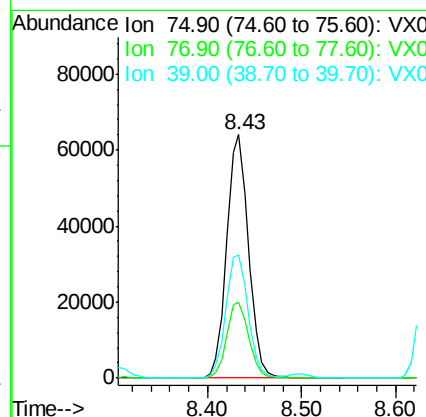
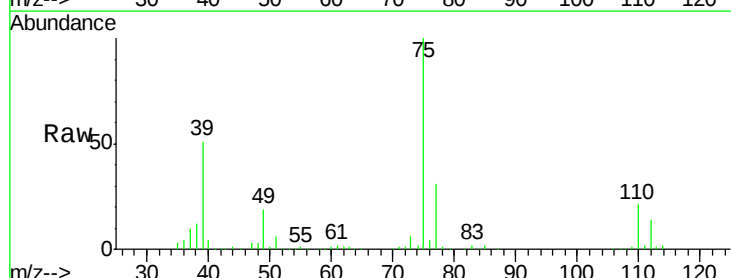
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 4/16/2019 10:53:22 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.950 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Tgt Ion: 75 Resp: 102931
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.8 37.2
 39 50.5 41.8 62.6





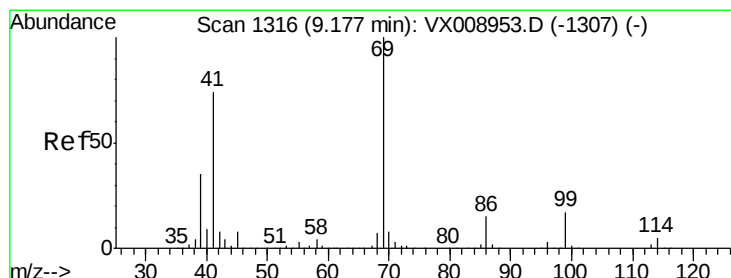
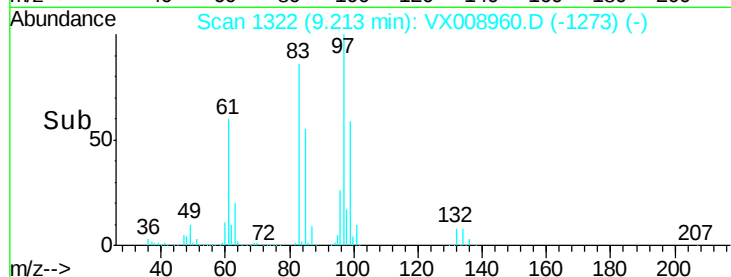
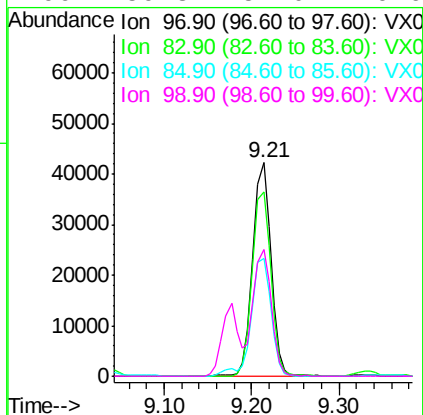
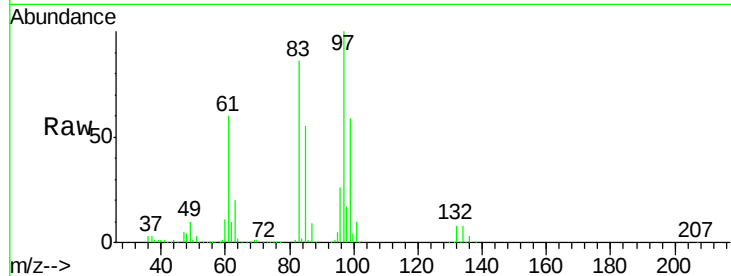
#55
 1,1,2-Trichloroethane
 Concen: 21.466 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0415WBS01

Tot Ion:	97	Resp:	61389
Ion	Ratio	Lower	Upper
97	100		
83	86.2	72.6	108.8
85	55.3	46.9	70.3
99	59.3	51.0	76.6

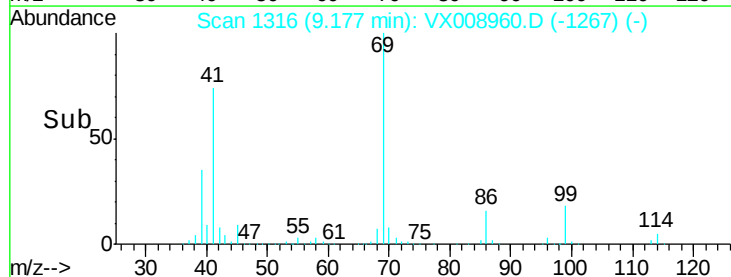
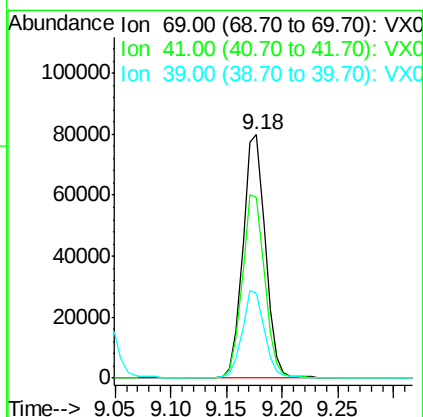
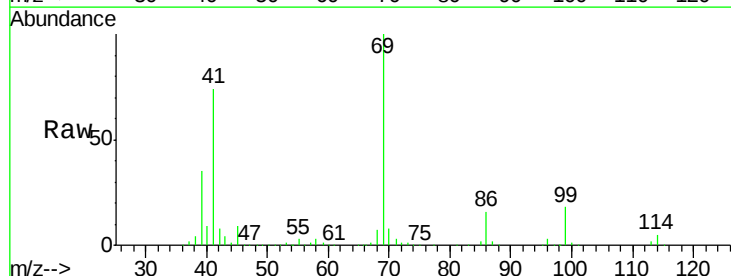
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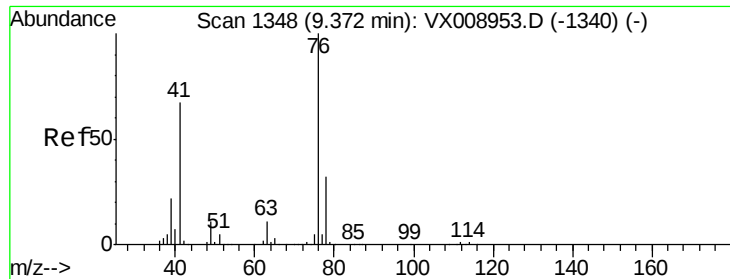
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#56
 Ethyl methacrylate
 Concen: 21.851 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Tgt Ion:	69	Resp:	112048
Ion	Ratio	Lower	Upper
69	100		
41	75.0	60.2	90.2
39	35.2	27.9	41.9





#57

1,3-Dichloropropane

Concen: 21.027 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBS01

Tot Ion: 76 Resp: 107069

Ion Ratio Lower Upper

76 100

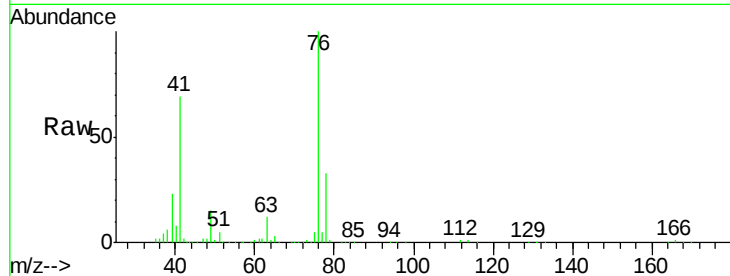
78 32.7 25.7 38.5

Manual Integrations

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4/16/2019 10:53:22 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

80000

60000

40000

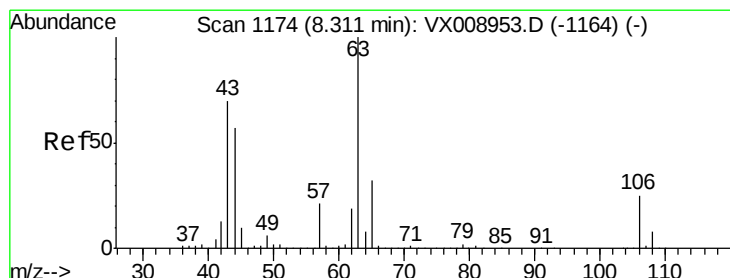
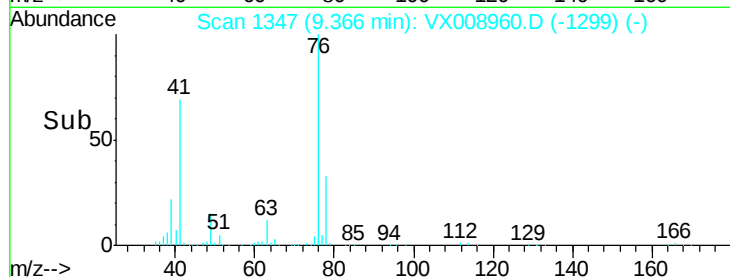
20000

0

9.37

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 72.919 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX008960.D

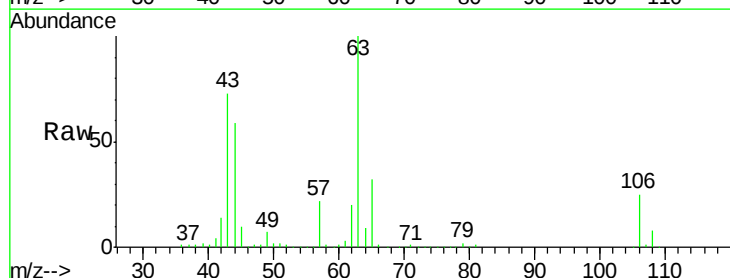
Acq: 15 Apr 2019 15:13

Tgt Ion: 63 Resp: 201359

Ion Ratio Lower Upper

63 100

106 24.6 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

150000

100000

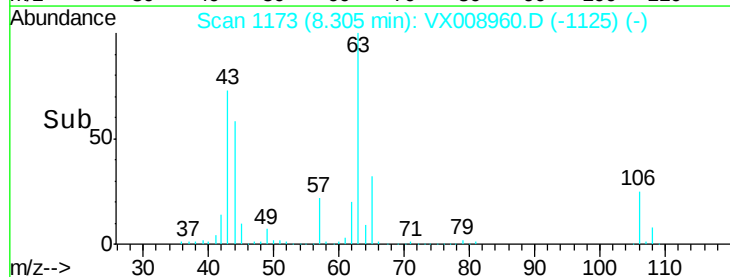
50000

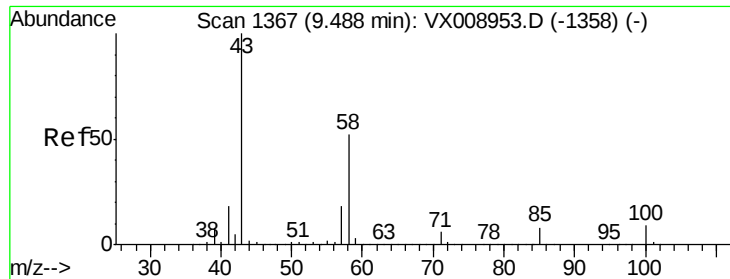
0

8.31

8.20 8.25 8.30 8.35 8.40

Time-->





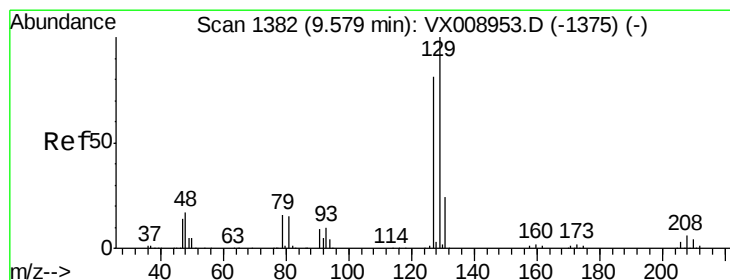
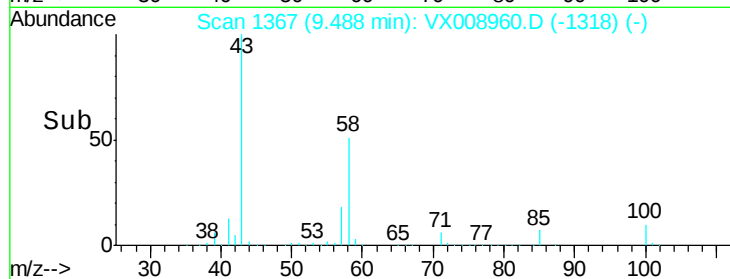
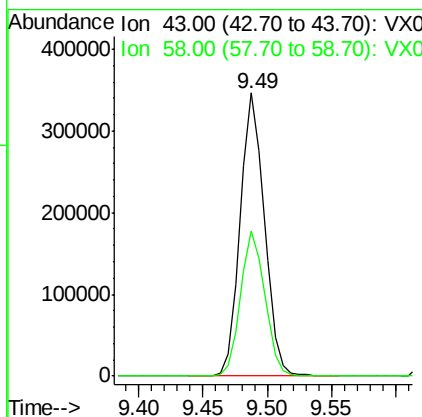
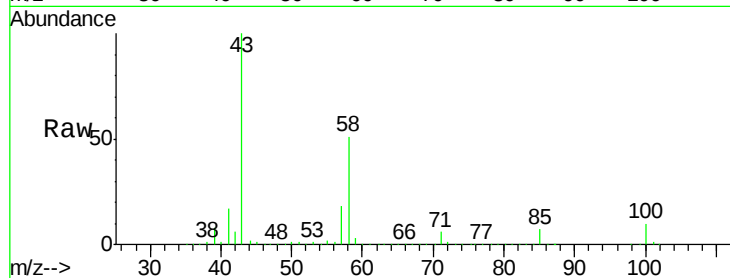
#59
2-Hexanone
Concen: 109.247 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Instrument :
MSVOA_X
ClientSampleId :
VX0415WBS01

Tot Ion: 43 Resp: 454119
Ion Ratio Lower Upper
43 100
58 51.4 25.9 77.8

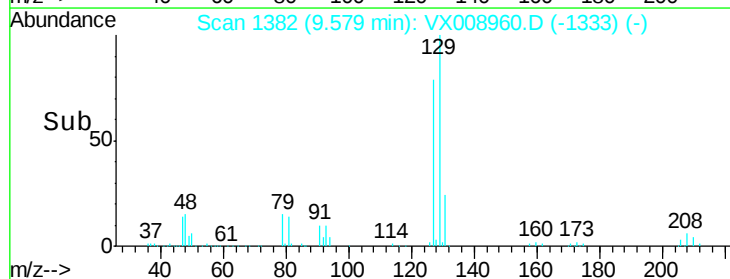
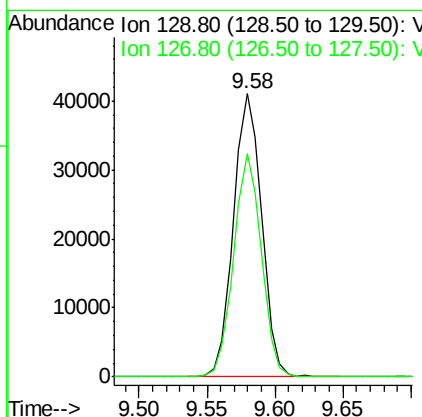
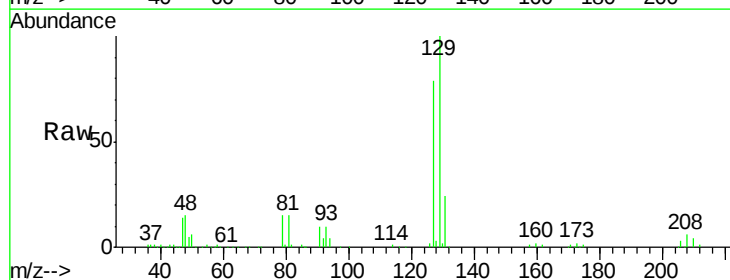
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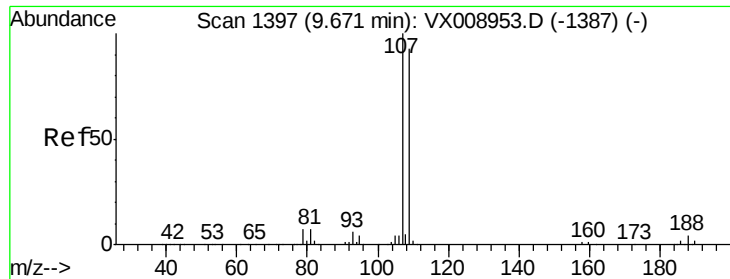
MMDadoda
4/16/2019 10:53:22 AM



#60
Dibromochloromethane
Concen: 21.585 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Tgt Ion:129 Resp: 59163
Ion Ratio Lower Upper
129 100
127 77.5 39.1 117.2





#61

1,2-Dibromoethane

Concen: 21.215 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBS01

Tot Ion:107 Resp: 62618

Ion Ratio Lower Upper

107 100

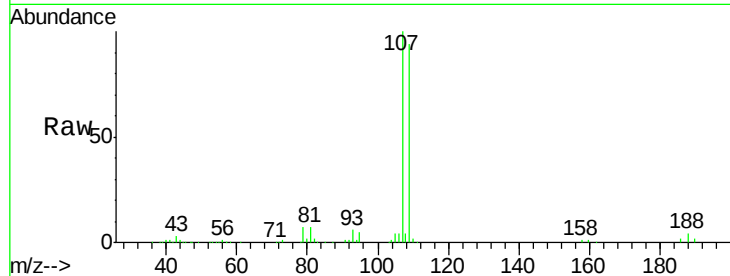
109 92.5 74.4 111.6

Manual Integrations

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4/16/2019 10:53:22 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

40000

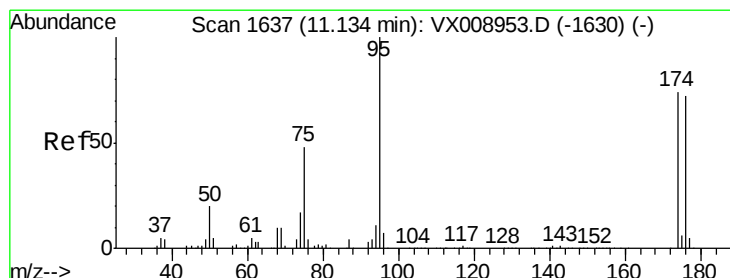
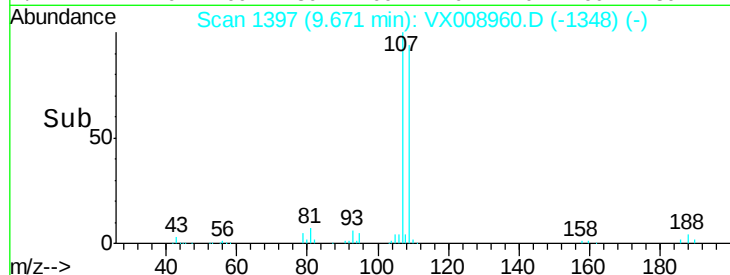
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.977 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

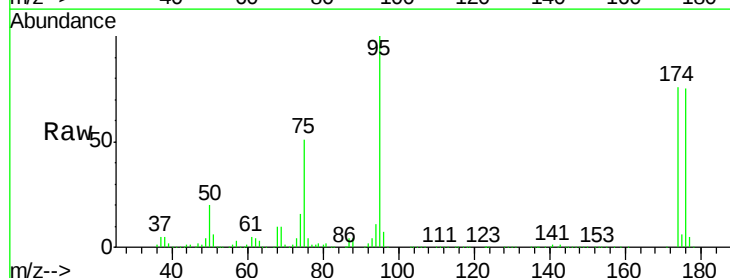
Tgt Ion: 95 Resp: 192447

Ion Ratio Lower Upper

95 100

174 79.3 0.0 159.6

176 77.9 0.0 154.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

200000

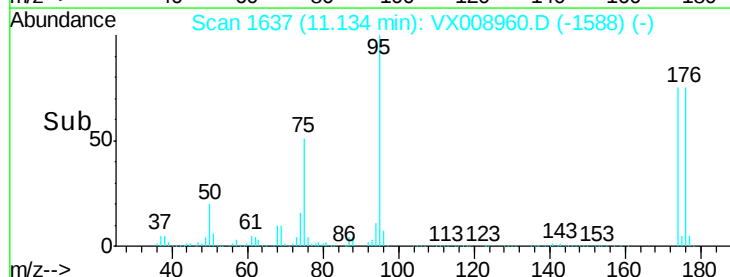
150000

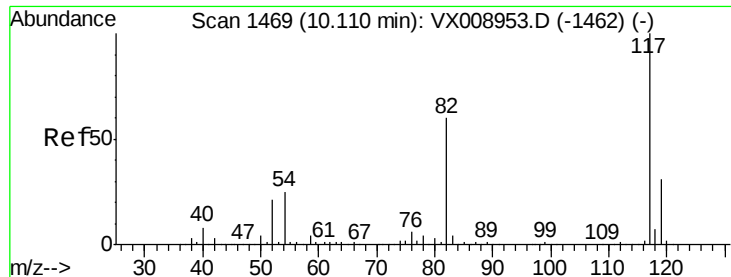
100000

50000

0

Time-->





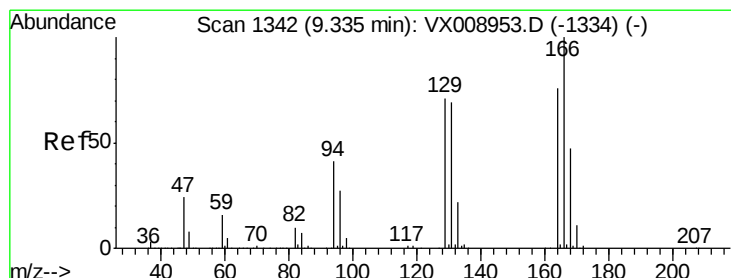
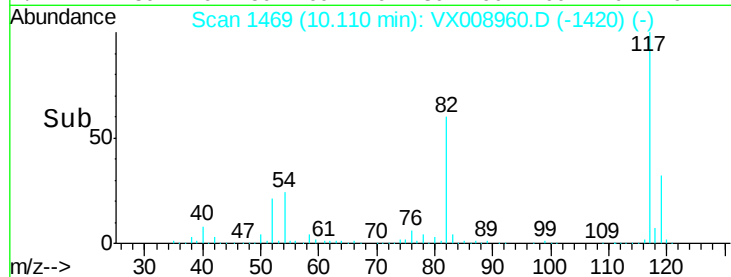
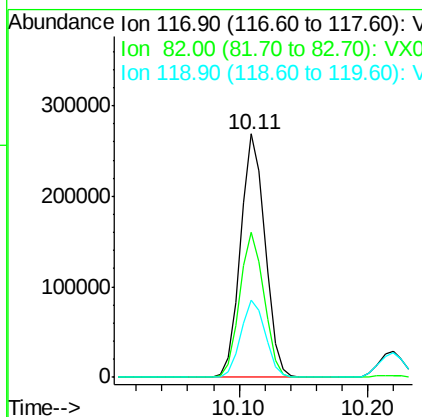
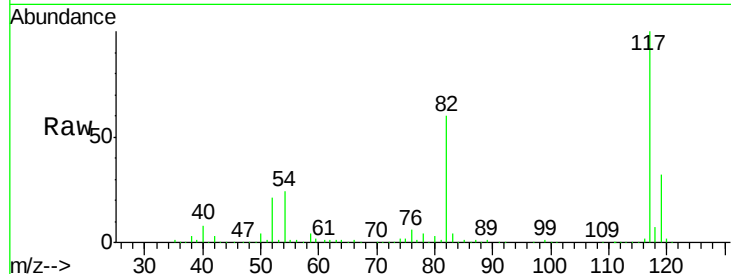
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Instrument :
MSVOA_X
ClientSampleId :
VX0415WS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.7	48.2	72.4
119	31.7	25.0	37.6

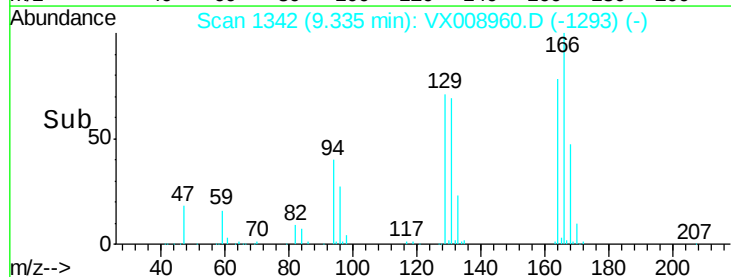
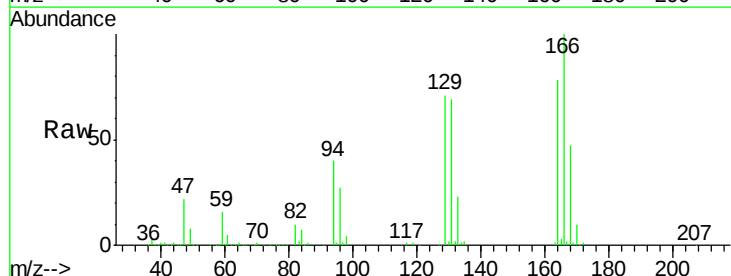
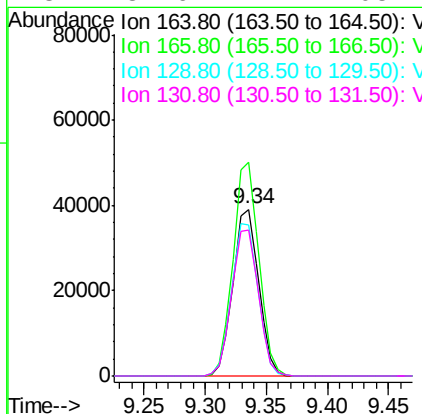
Manual Integrations
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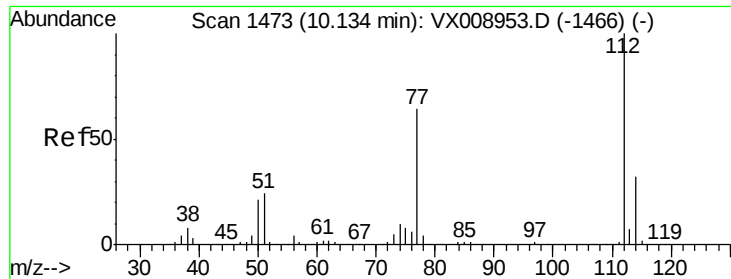
MMDadoda
4/16/2019 10:53:22 AM



#64
Tetrachloroethene
Concen: 21.265 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	105.0	157.4
129	90.2	74.2	111.4
131	87.6	72.2	108.2





#65

Chlorobenzene

Concen: 20.897 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBS01

Tot Ion:112 Resp: 155393

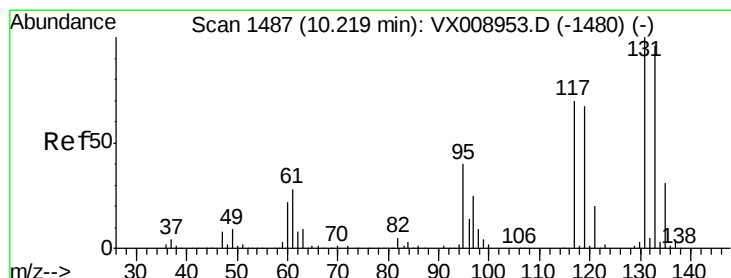
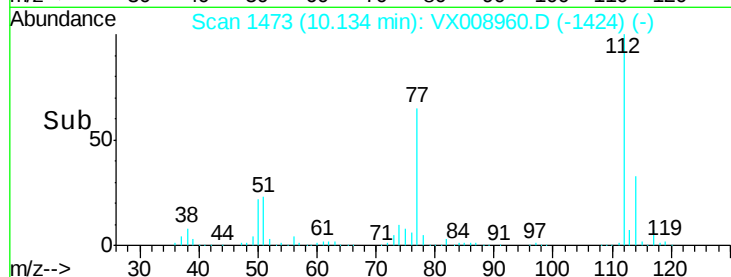
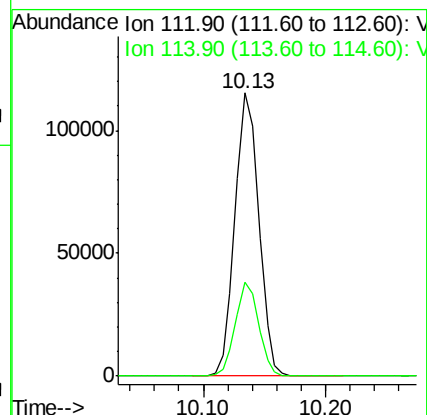
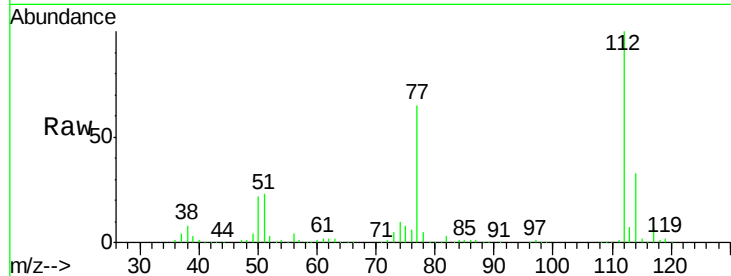
Ion Ratio Lower Upper

112 100

114 33.0 25.4 38.0

Manual Integrations
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4/16/2019 10:53:22 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 20.931 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

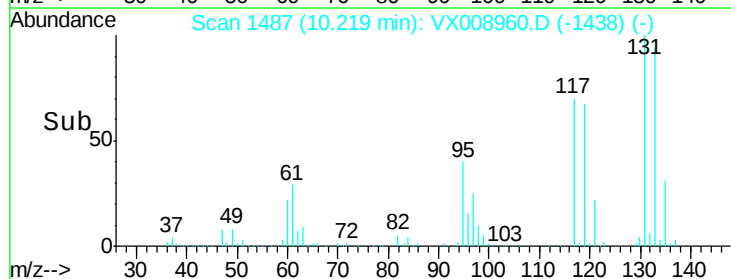
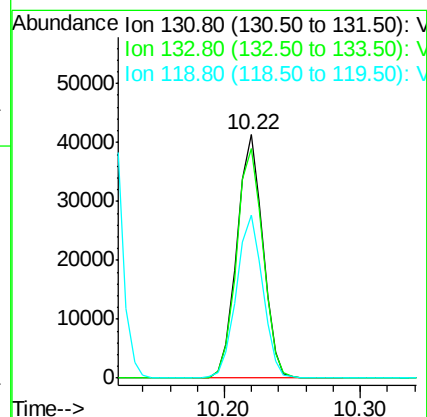
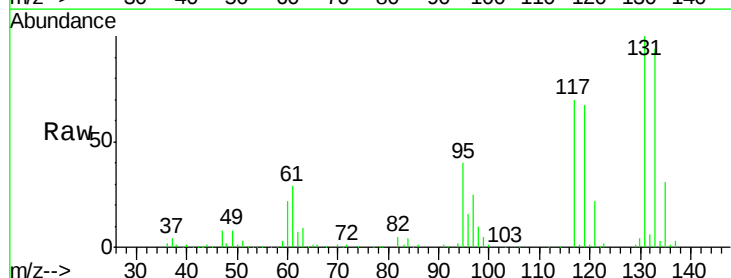
Tgt Ion:131 Resp: 54830

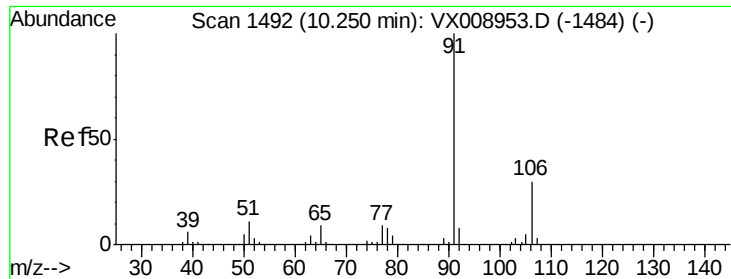
Ion Ratio Lower Upper

131 100

133 96.1 48.0 144.2

119 68.1 33.7 101.1





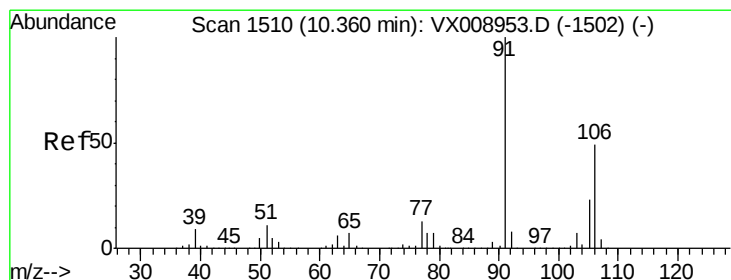
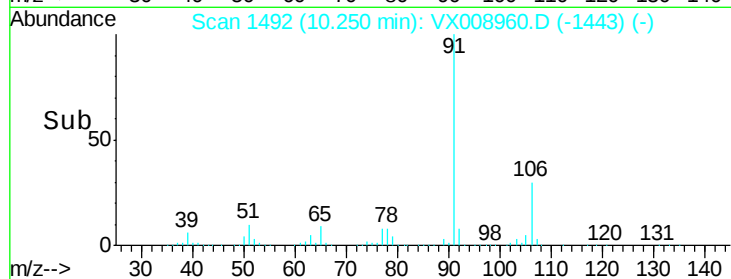
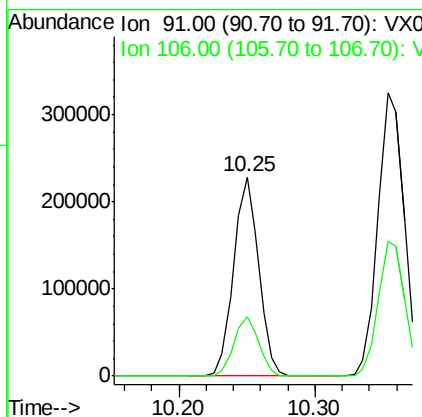
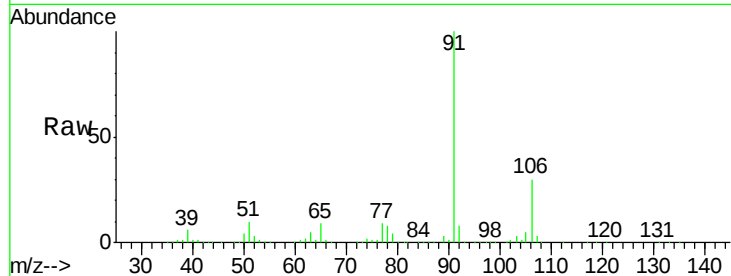
#67
Ethyl Benzene
Concen: 21.545 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Instrument :
MSVOA_X
ClientSampleId :
VX0415WBS01

Tot Ion: 91 Resp: 292866
Ion Ratio Lower Upper
91 100
106 29.8 24.3 36.5

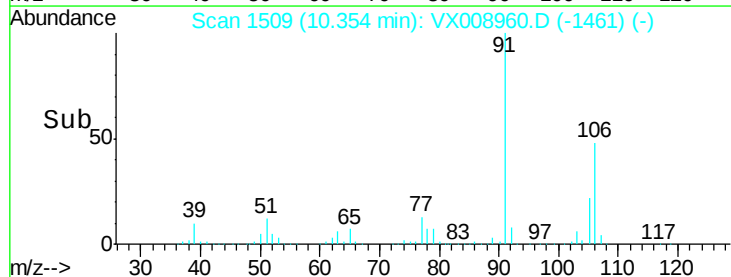
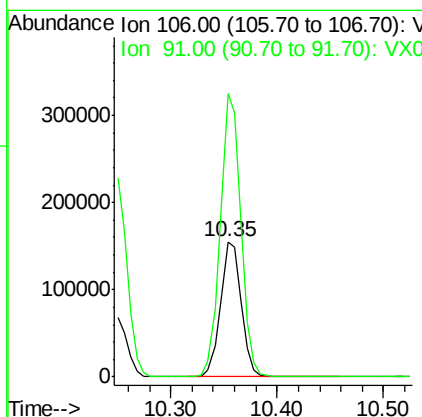
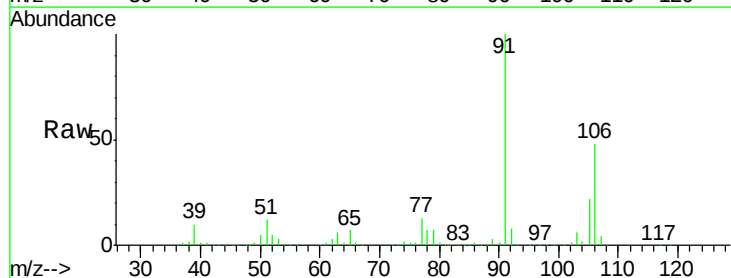
Manual Integrations
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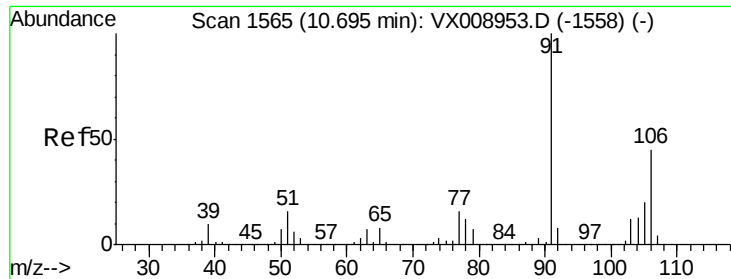
MMDadoda
4/16/2019 10:53:22 AM



#68
m/p-Xylenes
Concen: 42.656 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Tgt Ion: 106 Resp: 210727
Ion Ratio Lower Upper
106 100
91 207.7 165.4 248.2





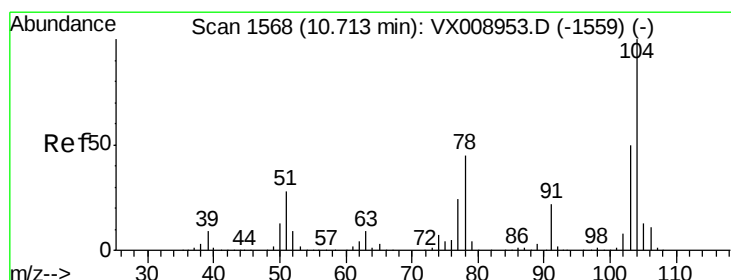
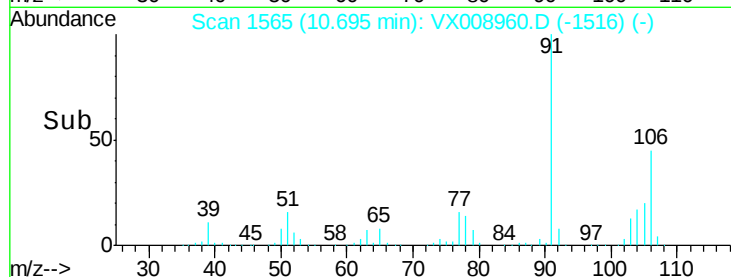
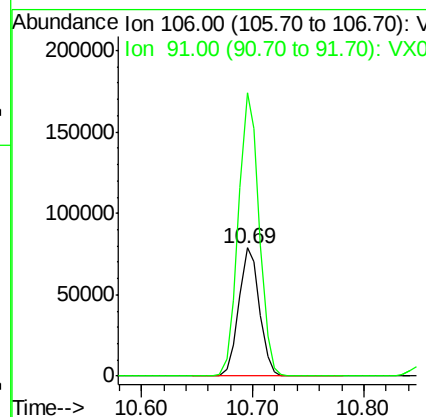
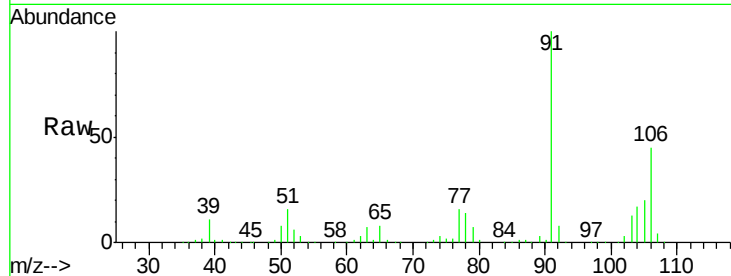
#69
o-Xylene
Concen: 21.079 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Instrument :
MSVOA_X
ClientSampleId :
VX0415WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	221.9	108.9	326.7		

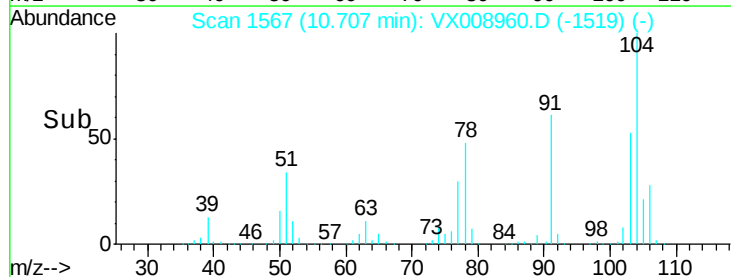
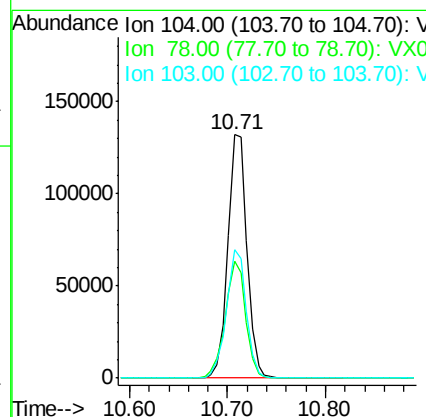
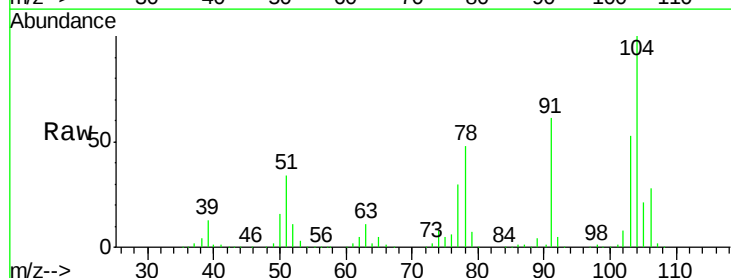
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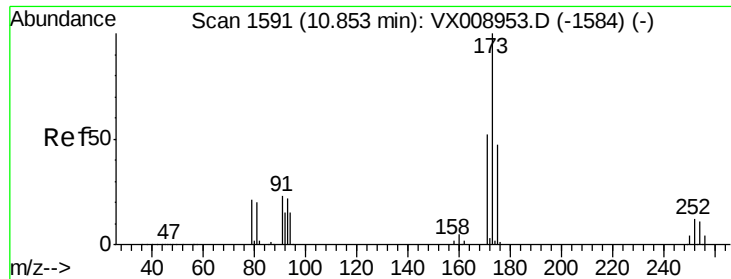
MMDadoda
4/16/2019 10:53:22 AM



#70
Styrene
Concen: 21.505 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	51.4	41.2	61.8		
103	55.0	43.9	65.9		





#71

Bromoform

Concen: 20.813 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBS01

Tot Ion:173 Resp: 43437

Ion Ratio Lower Upper

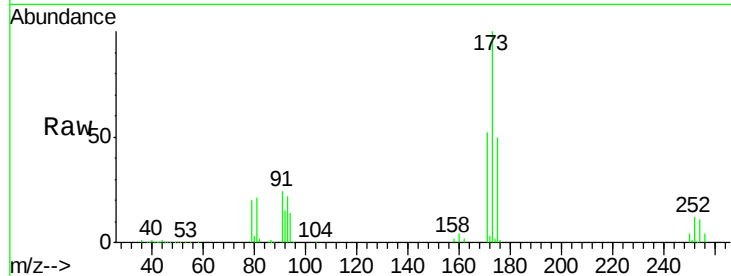
173 100

175 48.4 23.9 71.8

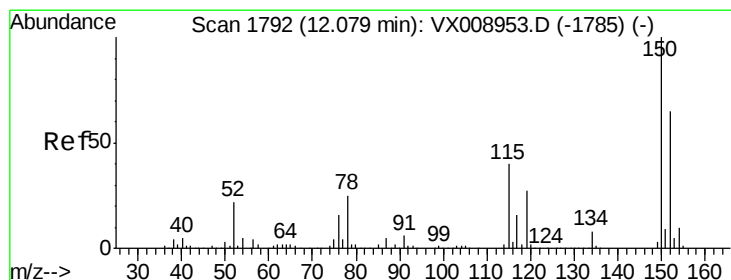
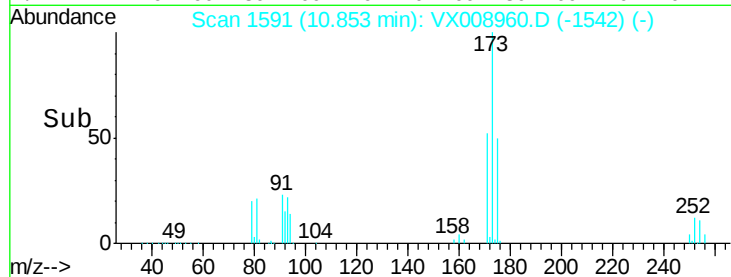
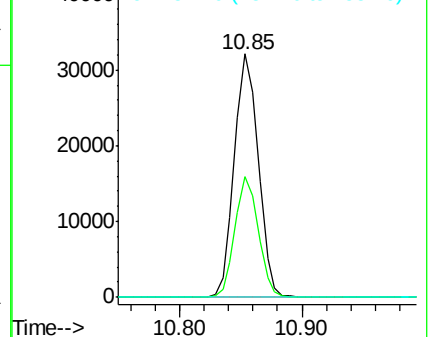
254 0.1 0.2 0.4#

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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: VX008960.D

Acq: 15 Apr 2019 15:13

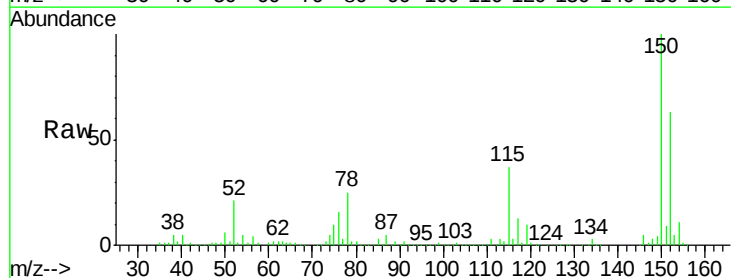
Tgt Ion:152 Resp: 167635

Ion Ratio Lower Upper

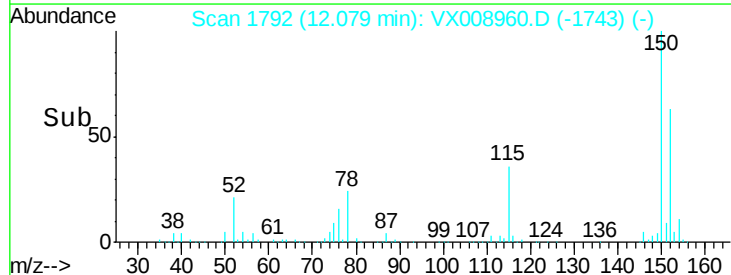
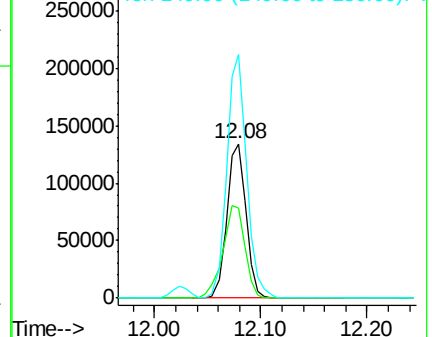
152 100

115 69.1 41.4 124.2

150 164.1 0.0 349.8



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: 21.877 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBS01

Tot Ion: 105 Resp: 277986

Ion Ratio Lower Upper

105 100

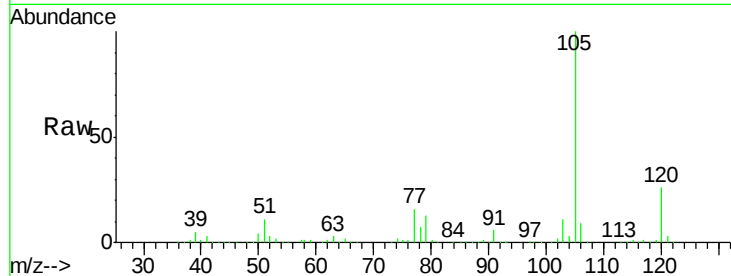
120 25.8 12.9 38.7

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

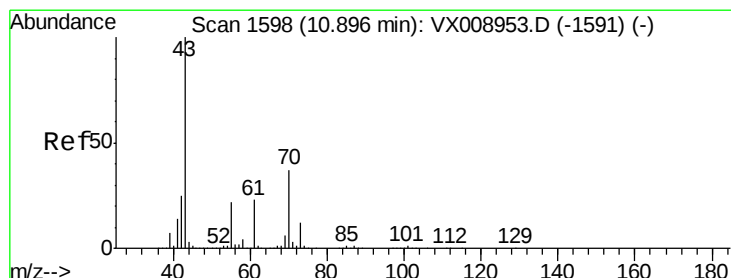
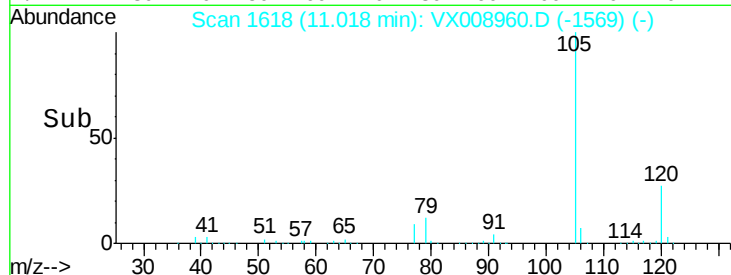
50000

0

11.02

11.00

Time-->



#74

N-ethyl acetate

Concen: 21.364 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Tgt Ion: 43 Resp: 155869

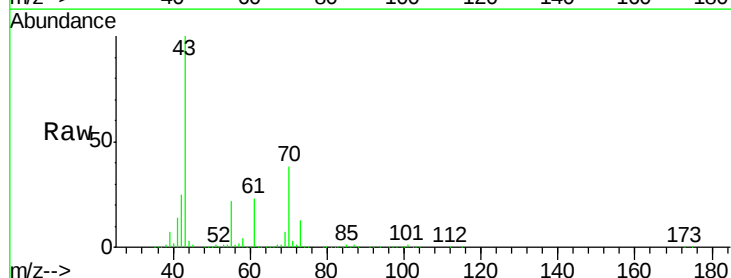
Ion Ratio Lower Upper

43 100

70 37.7 29.9 44.9

55 22.5 17.8 26.8

61 22.6 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

200000

150000

100000

50000

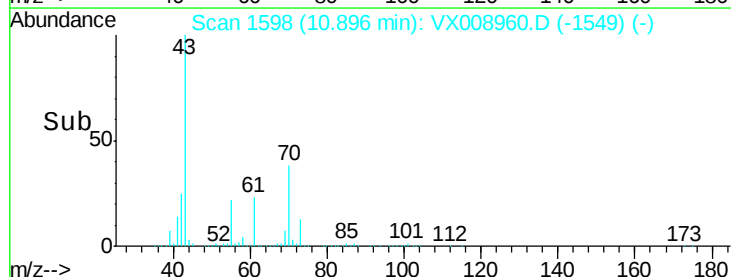
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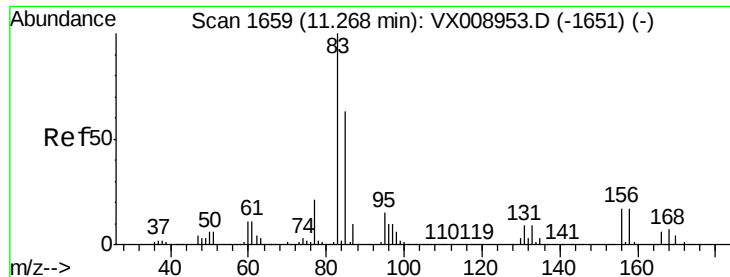
10.90

10.80

11.00

Time-->





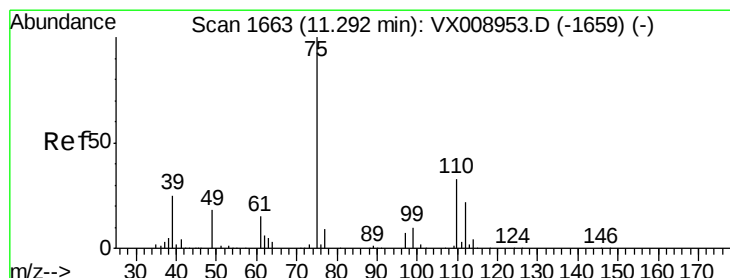
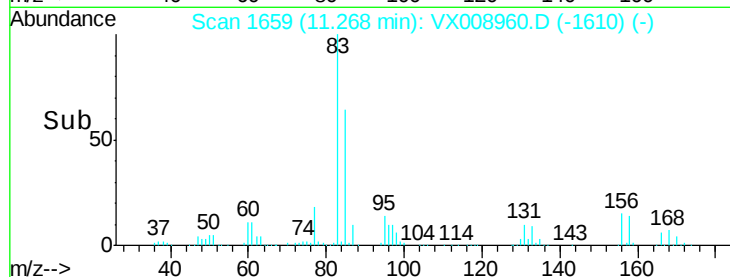
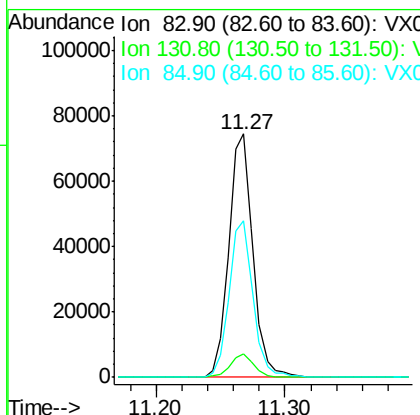
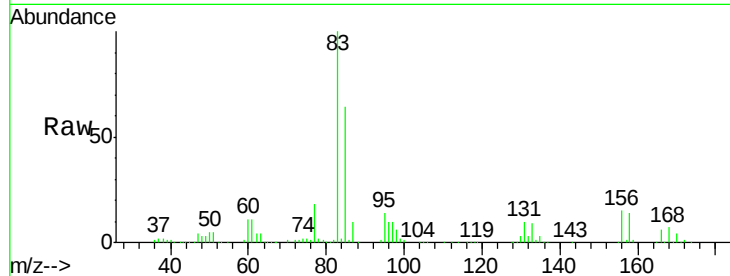
#75
 1,1,2,2-Tetrachloroethane
 Concen: 21.074 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0415WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.3	4.7	14.0	
85	63.9	31.9	95.9	

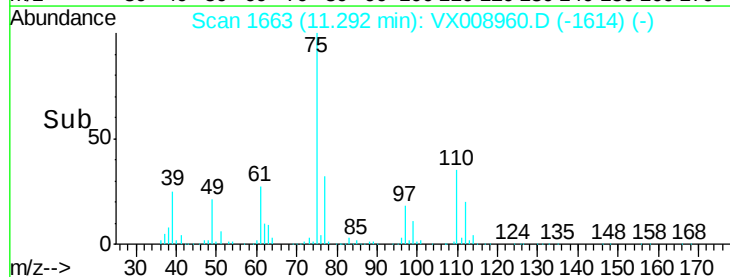
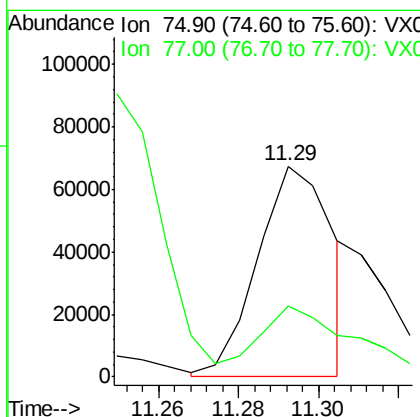
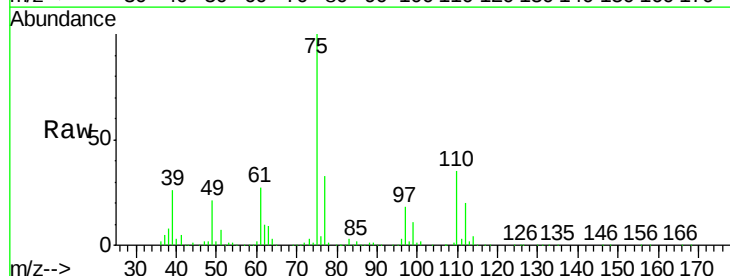
Manual Integrations
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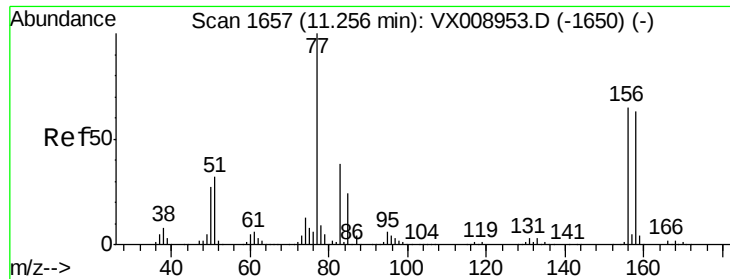
MMDadoda
 4/16/2019 10:53:22 AM



#76
 1,2,3-Trichloropropane
 Concen: 21.396 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	43.2	22.7	68.0	





#77

Bromobenzene

Concen: 20.997 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBS01

Tot Ion:156 Resp: 67314

Ion Ratio Lower Upper

156 100

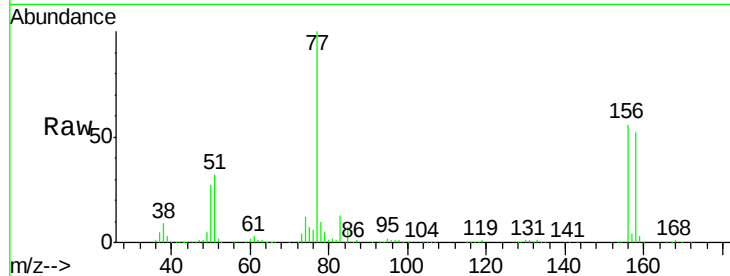
77 171.8 85.4 256.1

158 96.7 48.8 146.4

Manual Integrations
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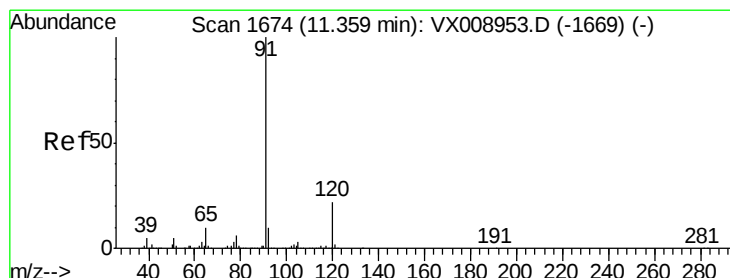
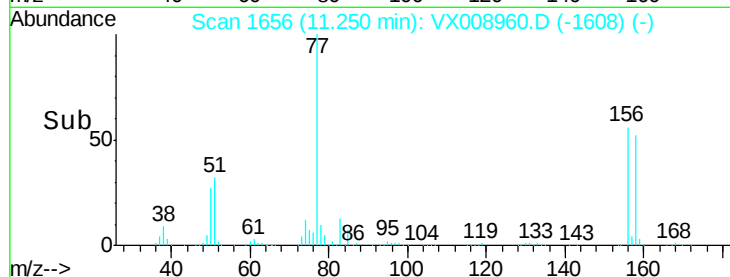
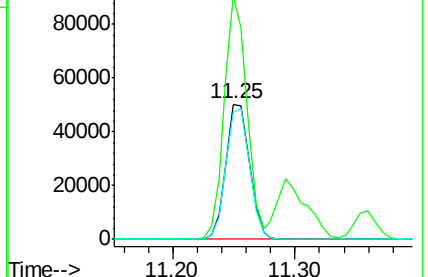
4/16/2019 10:53:22 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.994 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008960.D

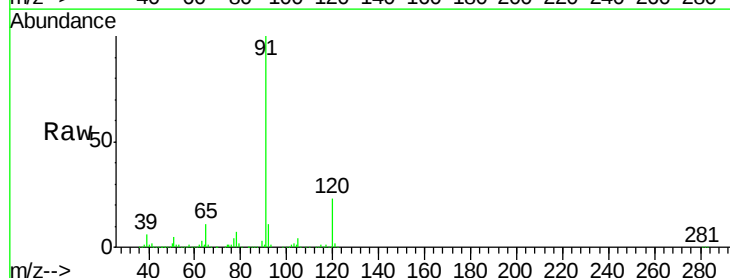
Acq: 15 Apr 2019 15:13

Tgt Ion: 91 Resp: 320762

Ion Ratio Lower Upper

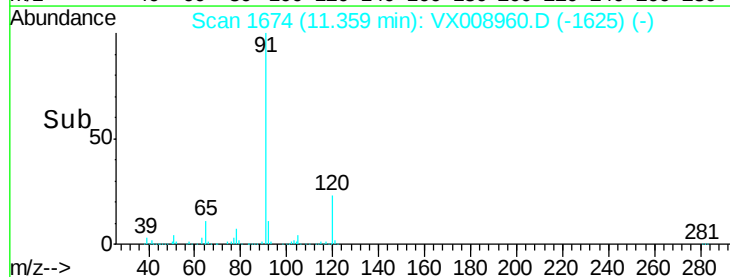
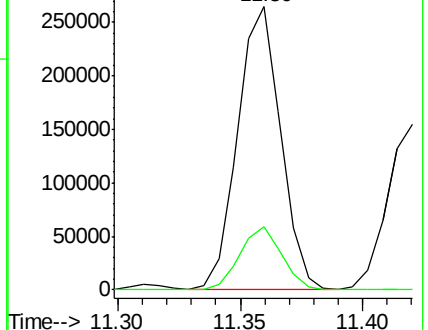
91 100

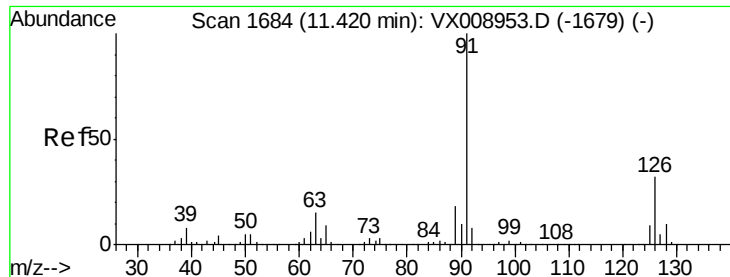
120 22.1 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.582 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBS01

Tot Ion: 91 Resp: 189675

Ion Ratio Lower Upper

91 100

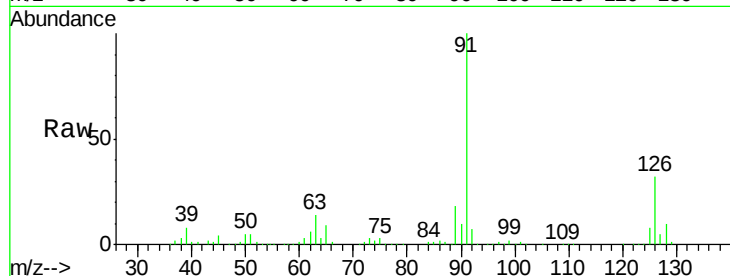
126 32.3 16.3 48.9

Manual Integrations

APPROVED

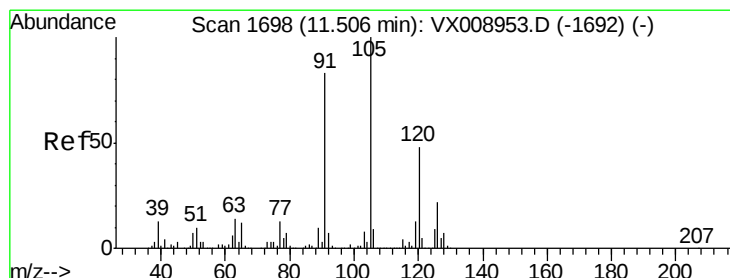
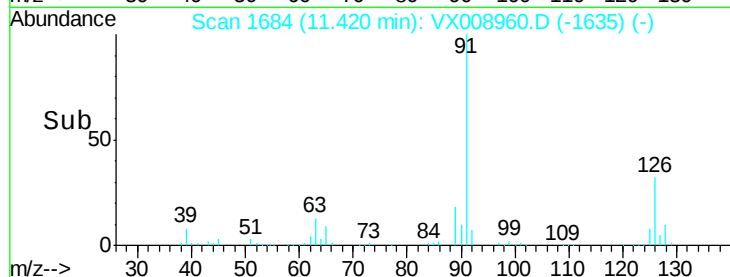
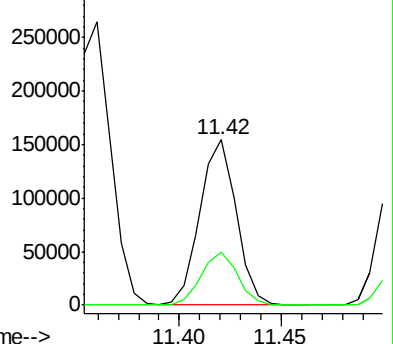
MMDadoda

4/16/2019 10:53:22 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.004 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008960.D

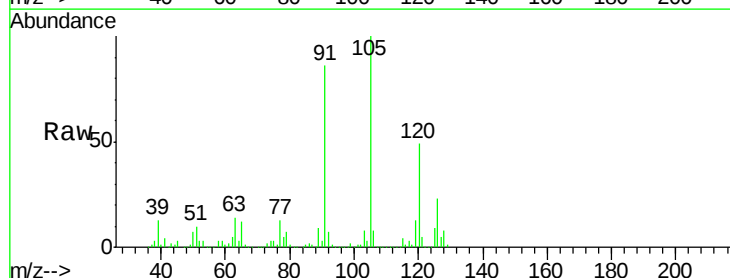
Acq: 15 Apr 2019 15:13

Tgt Ion:105 Resp: 234625

Ion Ratio Lower Upper

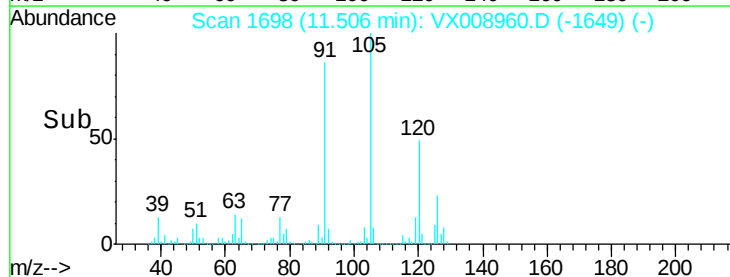
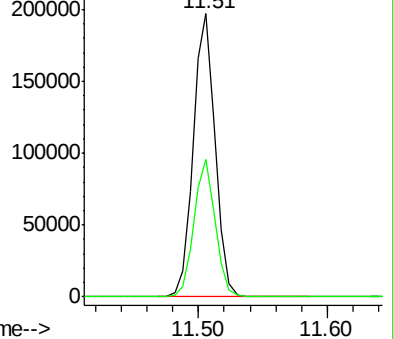
105 100

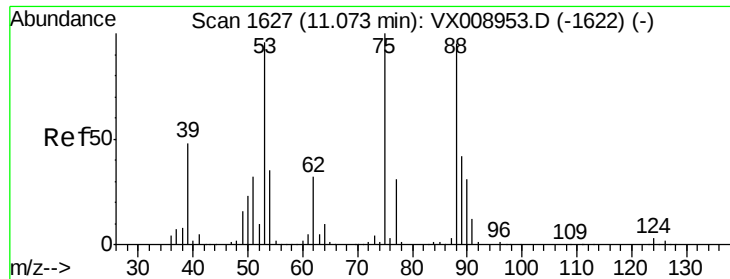
120 47.7 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





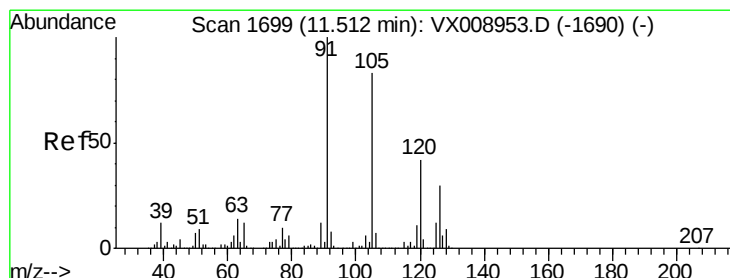
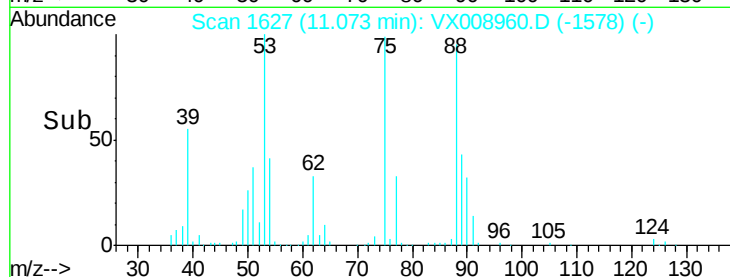
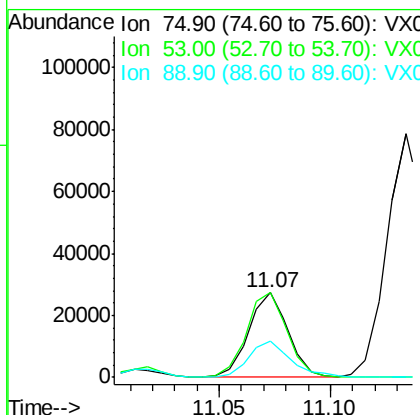
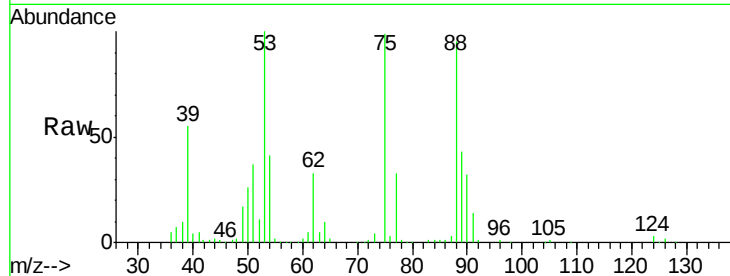
#81
trans-1,4-Dichloro-2-butene
Concen: 20.779 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Instrument :
MSVOA_X
ClientSampleId :
VX0415WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.1	78.2	117.4
89	47.9	36.0	54.0

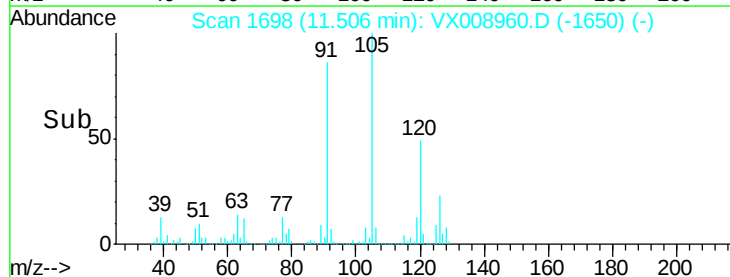
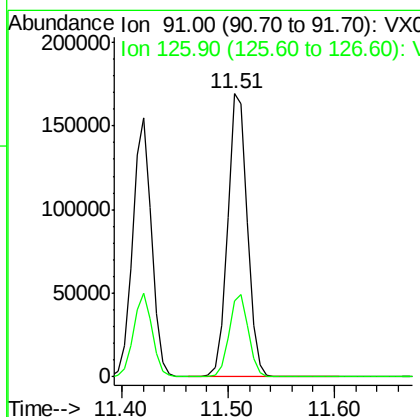
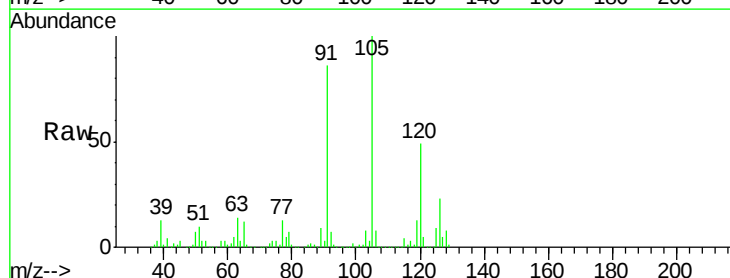
Manual Integrations
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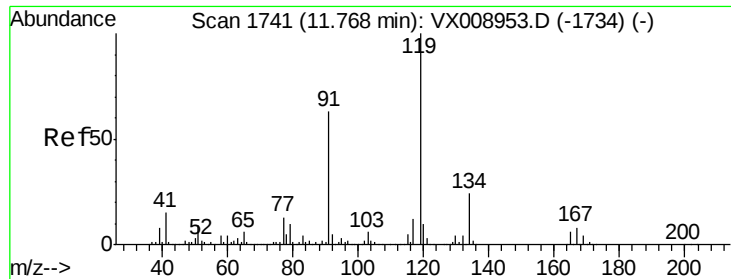
MMDadoda
4/16/2019 10:53:22 AM



#82
4-Chlorotoluene
Concen: 21.381 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.3	42.9





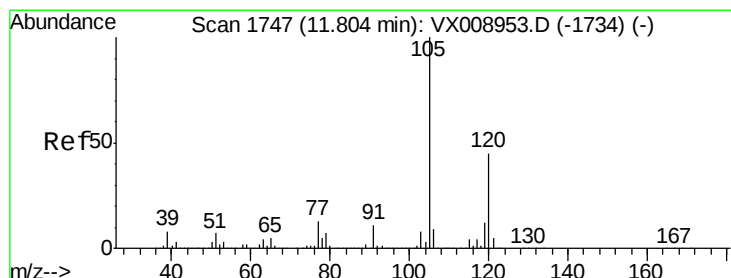
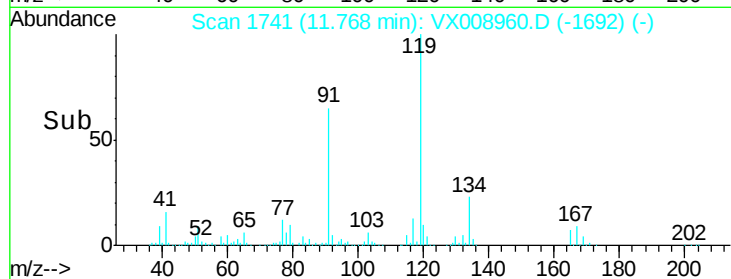
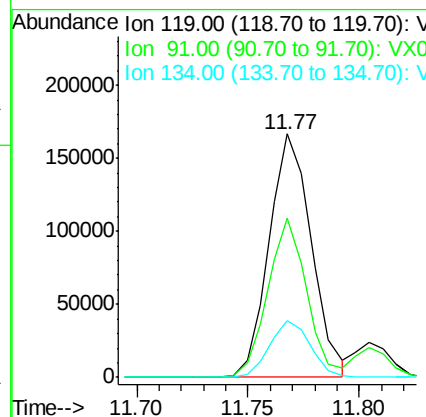
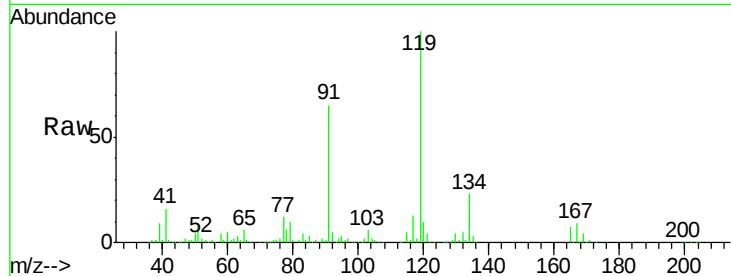
#83
 tert-Butylbenzene
 Concen: 21.512 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0415WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	220225		
91	60.3	29.7	89.1	
134	22.6	11.2	33.5	

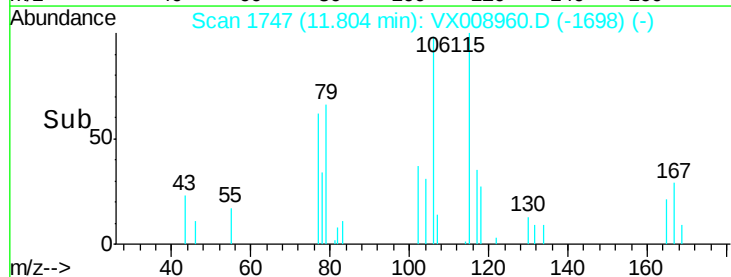
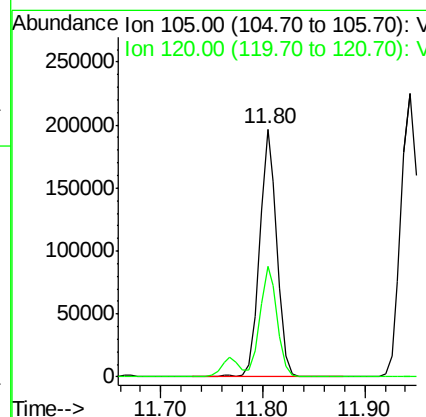
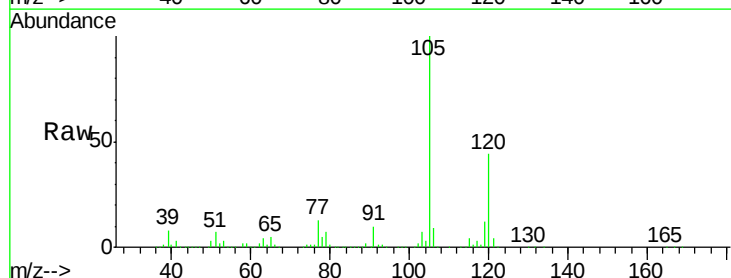
Manual Integrations
 APPROVED

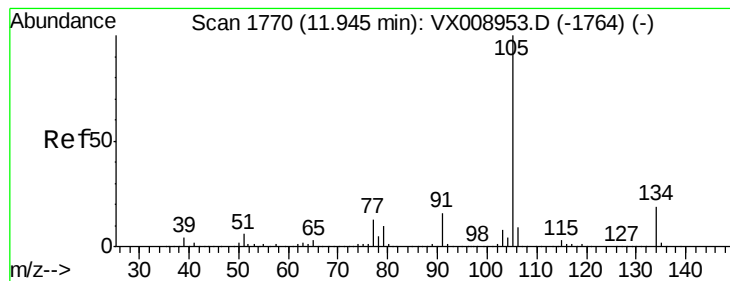
MMDadoda
 4/16/2019 10:53:22 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.523 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	233606		
120	44.0	21.9	65.8	





#85

sec-Butylbenzene

Concen: 22.197 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

VX0415WBS01

Tot Ion:105 Resp: 271019

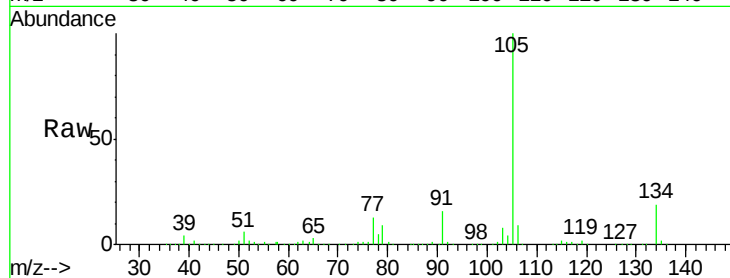
Ion Ratio Lower Upper

105 100

134 19.0 9.6 28.6

Manual Integrations
APPROVED

MMDadoda
4/16/2019 10:53:22 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

200000

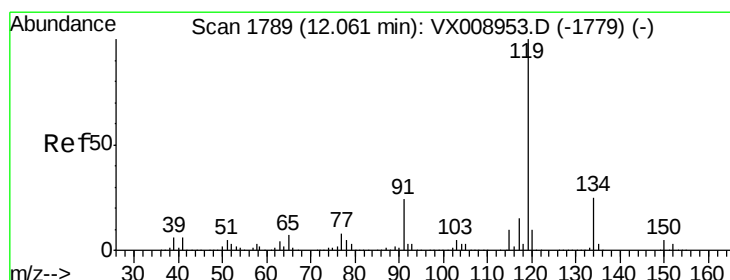
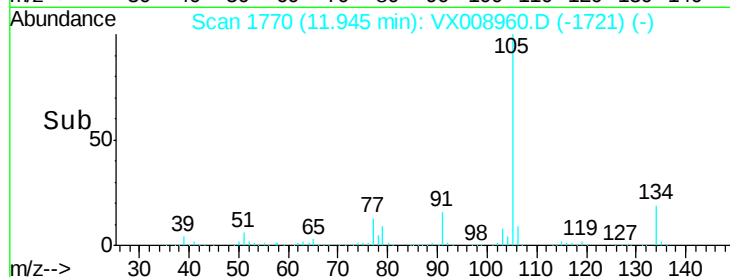
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.995 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

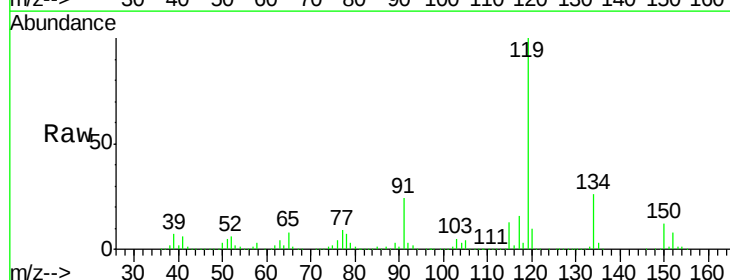
Tgt Ion:119 Resp: 246898

Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

91 23.7 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.06

250000

200000

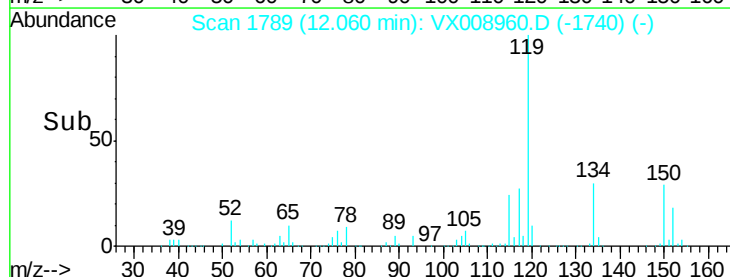
150000

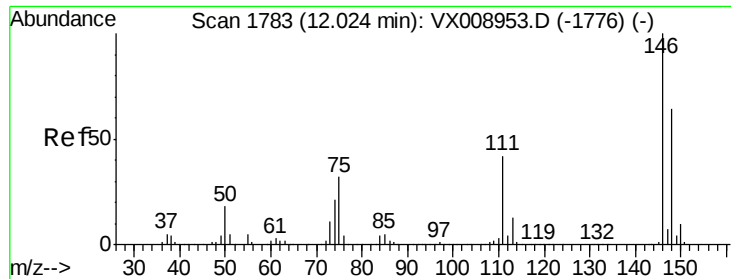
100000

50000

0

Time-->





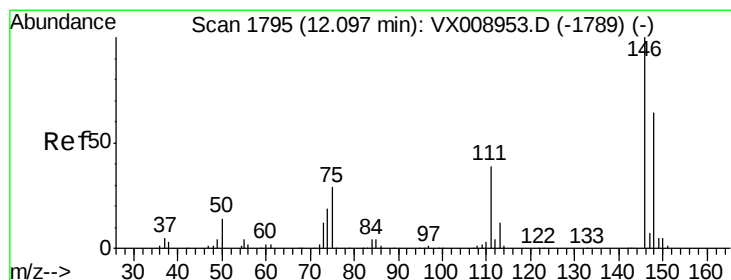
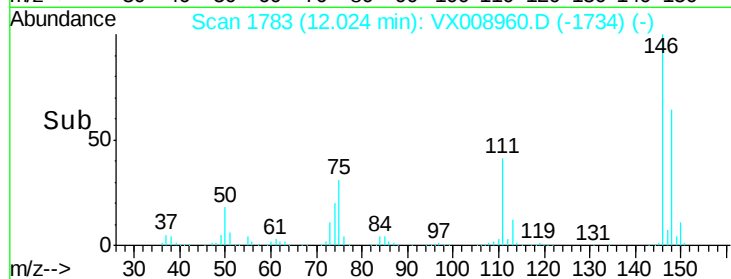
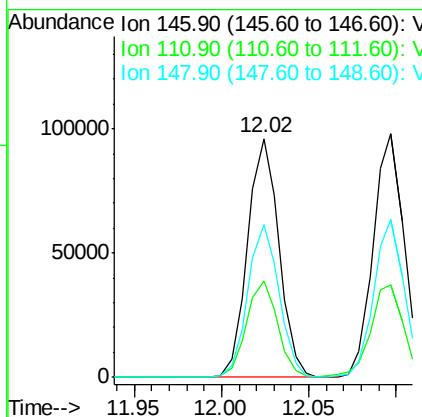
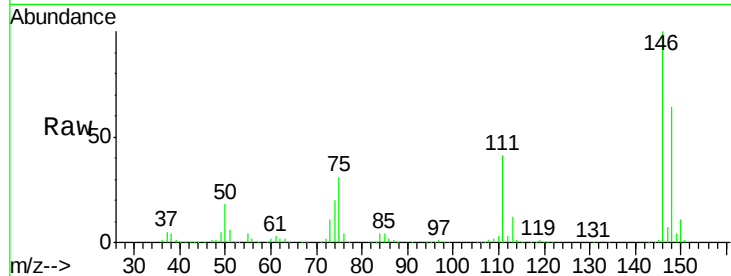
#87
 1,3-Dichlorobenzene
 Concen: 21.274 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0415WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.5	61.6
148	63.7	32.2	96.6

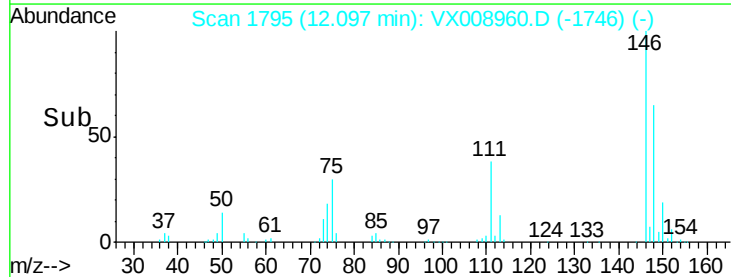
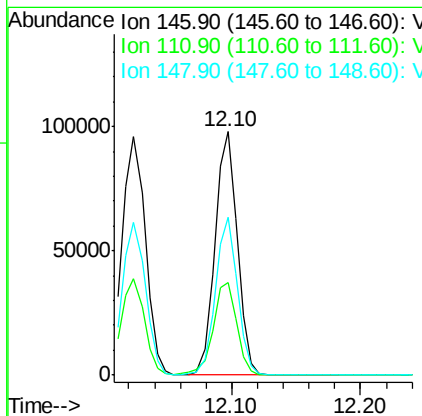
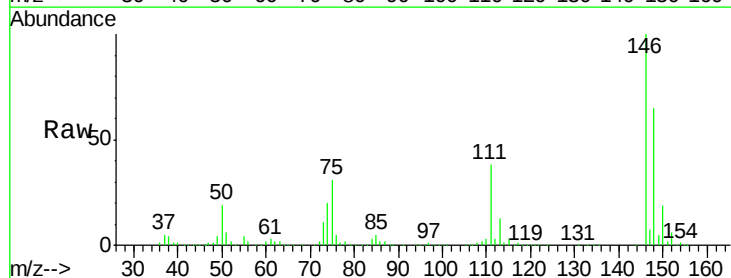
Manual Integrations
 APPROVED

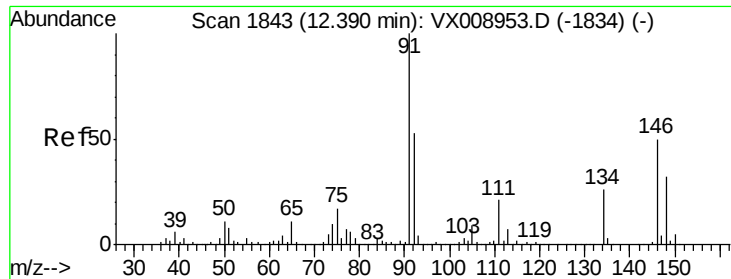
MMDadoda
 4/16/2019 10:53:22 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.073 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	59.9
148	63.8	32.2	96.6





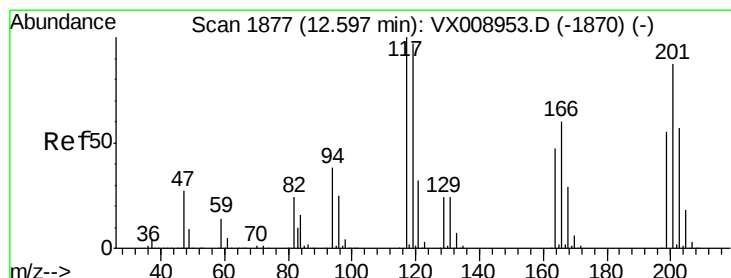
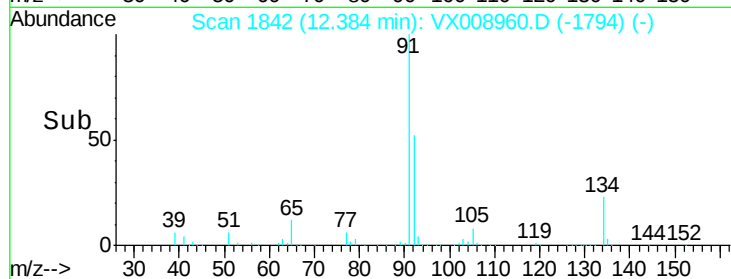
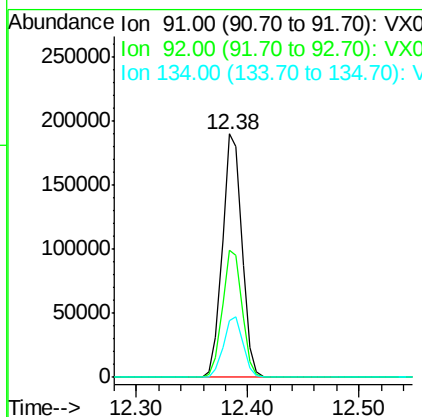
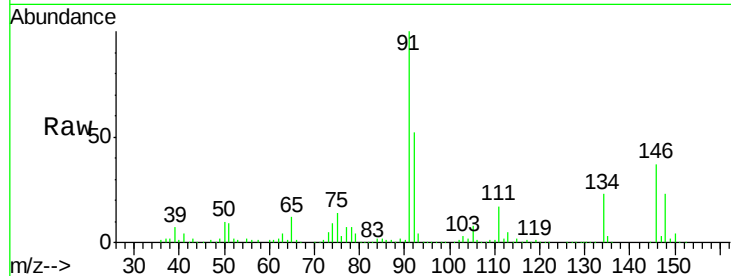
#89
n-Butylbenzene
Concen: 22.086 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Instrument :
MSVOA_X
ClientSampleId :
VX0415WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.6	79.8
134	25.0	12.4	37.2

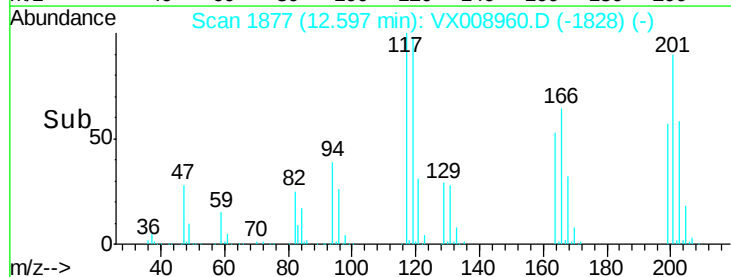
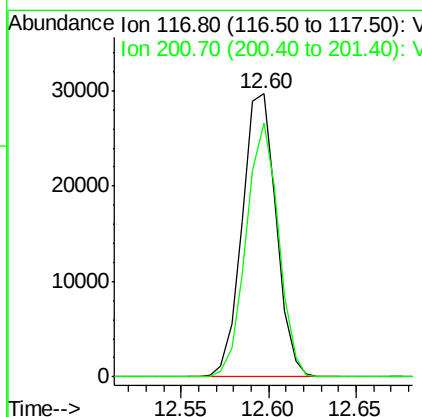
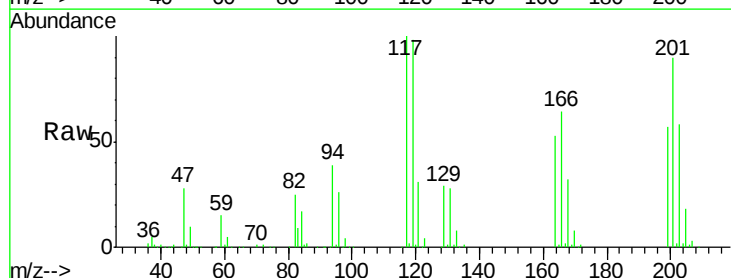
Manual Integrations
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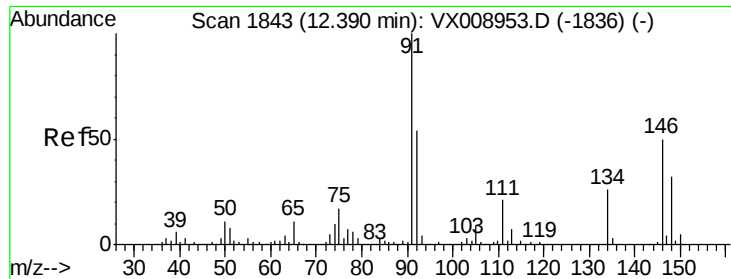
MMDadoda
4/16/2019 10:53:22 AM



#90
Hexachloroethane
Concen: 21.672 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008960.D
Acq: 15 Apr 2019 15:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.3	43.0	129.0





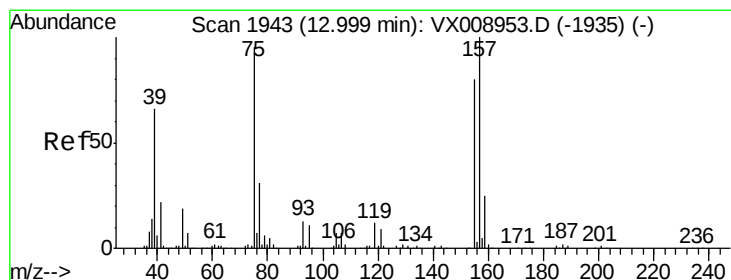
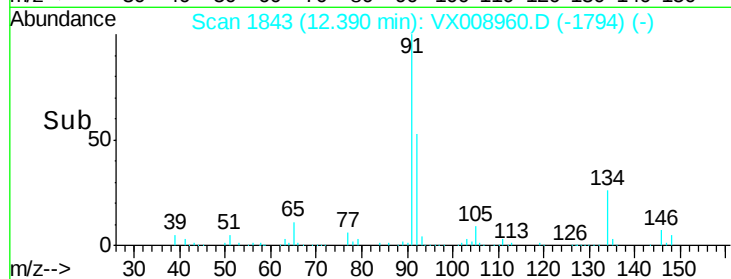
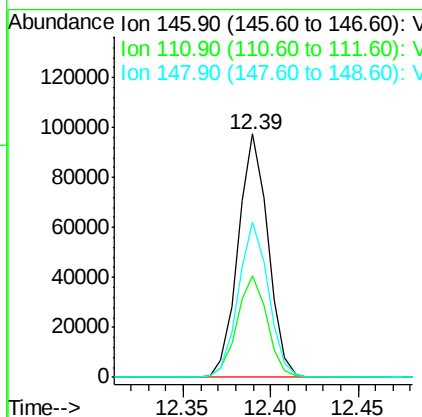
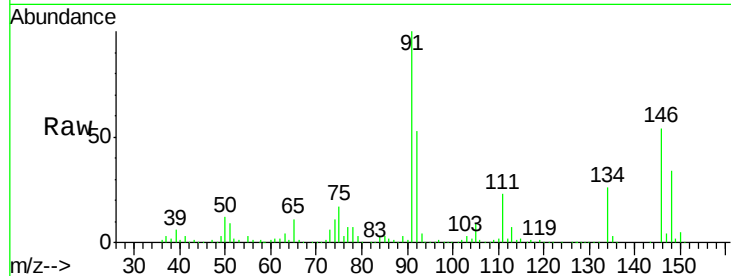
#91
 1,2-Dichlorobenzene
 Concen: 20.940 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0415WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.6	61.9
148	64.2	32.0	96.2

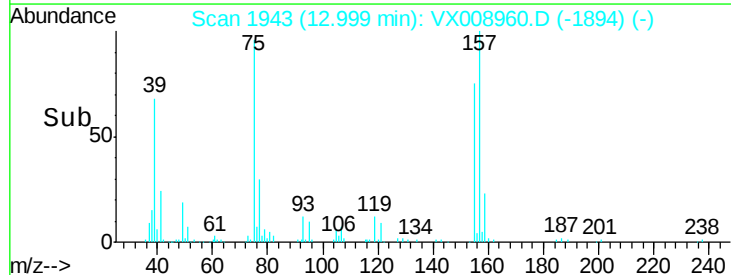
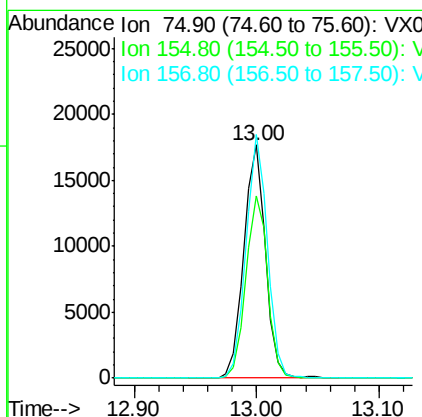
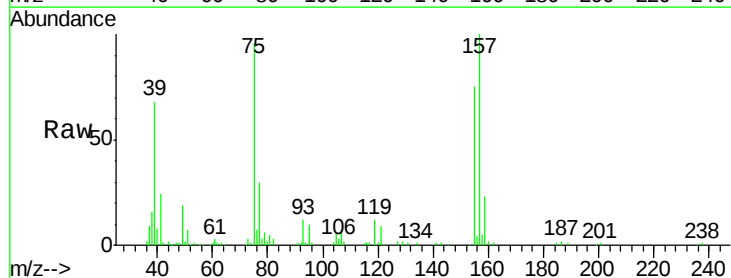
Manual Integrations
 APPROVED

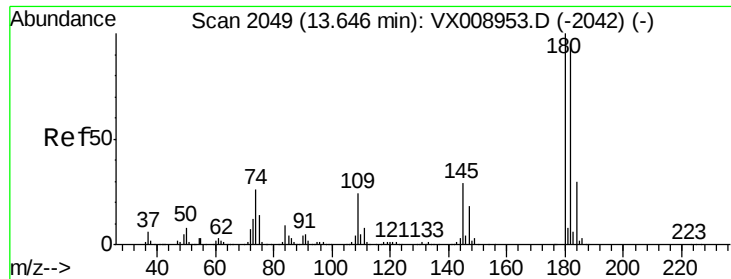
MMDadoda
 4/16/2019 10:53:22 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.437 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.3	41.2	123.6
157	103.4	52.5	157.6





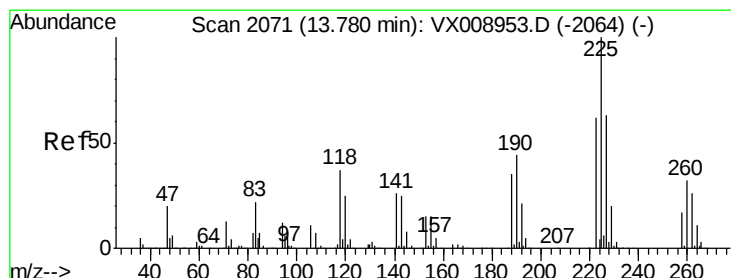
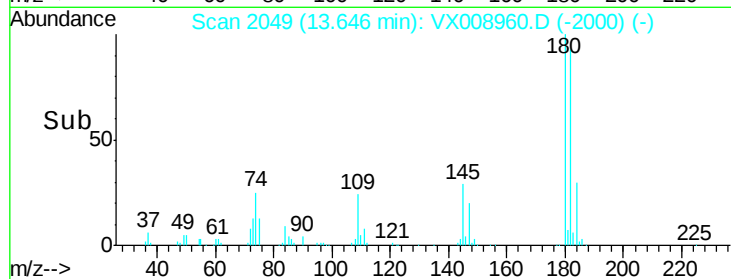
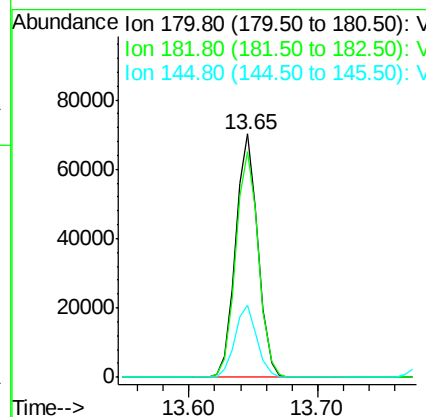
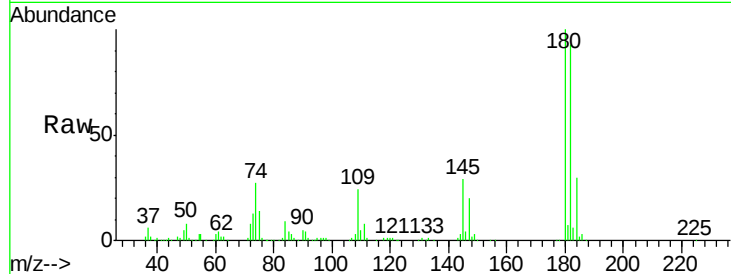
#93
 1,2,4-Trichlorobenzene
 Concen: 21.306 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0415WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	85217		
182	94.5	47.6	142.9	
145	29.2	14.8	44.4	

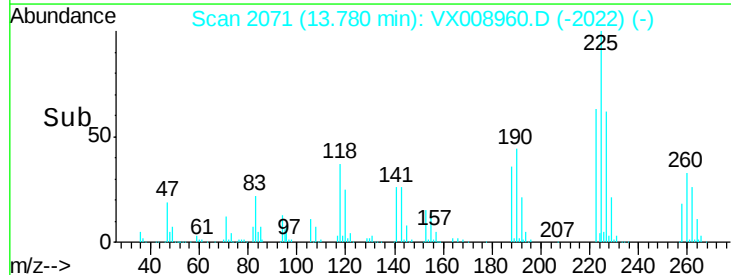
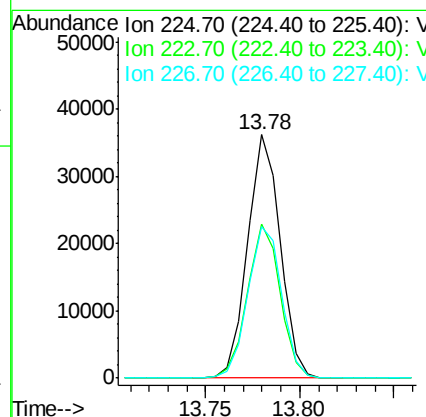
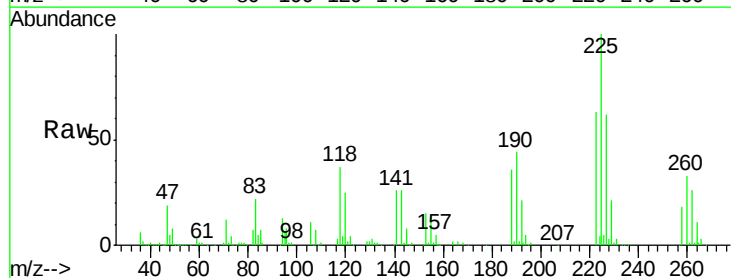
Manual Integrations
 APPROVED

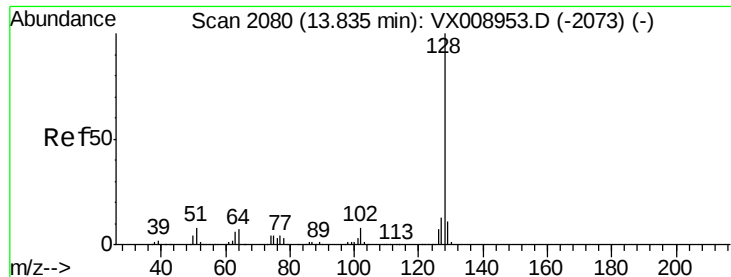
MMDadoda
 4/16/2019 10:53:22 AM



#94
 Hexachlorobutadiene
 Concen: 21.813 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008960.D
 Acq: 15 Apr 2019 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	43515		
223	63.5	31.1	93.2	
227	64.4	32.0	96.2	





#95

Naphthalene

Concen: 20.789 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Instrument :

MSVOA_X

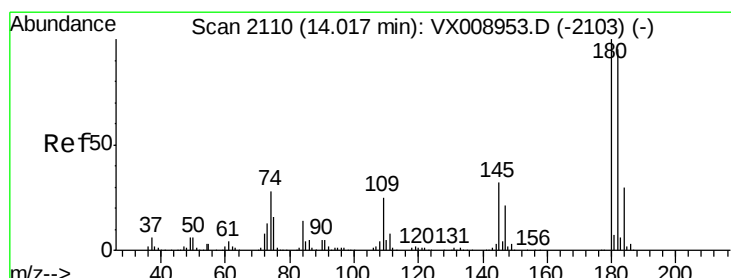
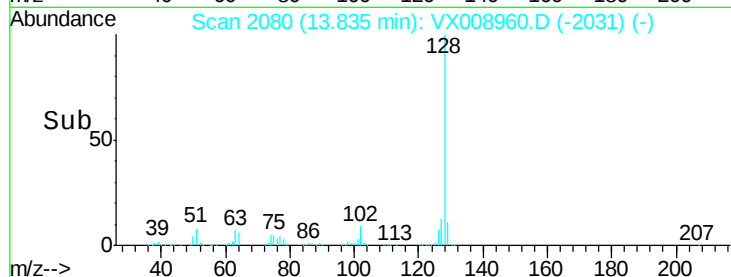
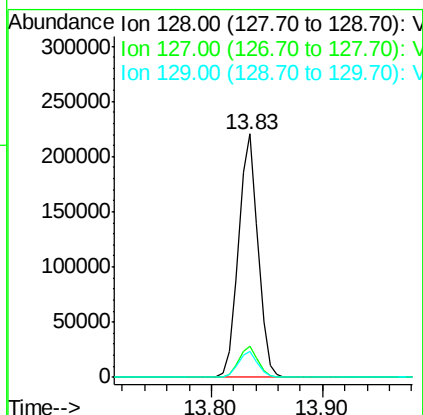
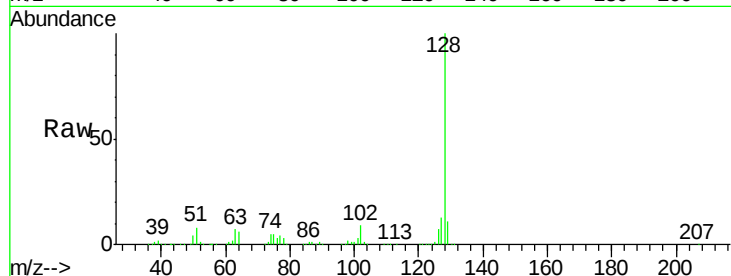
ClientSampleId :

VX0415WBS01

Tot Ion:	128	Resp:	266402
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	16.0
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/16/2019 10:53:22 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.257 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008960.D

Acq: 15 Apr 2019 15:13

Tgt Ion:	180	Resp:	83889
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.8	143.4
145	31.4	15.8	47.3

