

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091019\
 Data File : VX012249.D
 Acq On : 10 Sep 2019 10:55
 Operator : SY/SP
 Sample : VSTDIC100
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 9:00:34 AM

Quant Time: Sep 10 11:20:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 11:06:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	148042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	262755	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	243704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	122813	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	211540	95.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.90%	
35) Dibromofluoromethane	5.48	113	169367	96.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.36%	
50) Toluene-d8	8.71	98	621734	100.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.90%	
62) 4-Bromofluorobenzene	11.14	95	268005	93.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	110284	93.187	ug/l	98
3) Chloromethane	1.32	50	104552	91.666	ug/l	100
4) Vinyl Chloride	1.40	62	104630	95.785	ug/l	99
5) Bromomethane	1.63	94	41013	103.558	ug/l	97
6) Chloroethane	1.70	64	66918	97.583	ug/l	100
7) Trichlorofluoromethane	1.92	101	183366	98.682	ug/l	100
8) Diethyl Ether	2.18	74	66569	80.615	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	130913	94.578	ug/l	100
10) Methyl Iodide	2.50	142	143169	105.316	ug/l	99
11) Tert butyl alcohol	3.04	59	100902	492.249	ug/l	100
12) 1,1-Dichloroethene	2.36	96	108523	93.087	ug/l	98
13) Acrolein	2.28	56	53310	428.987	ug/l	97
14) Allyl chloride	2.72	41	232023	96.438	ug/l	99
15) Acrylonitrile	3.13	53	214237	469.448	ug/l	99
16) Acetone	2.44	43	224778	482.405	ug/l	98
17) Carbon Disulfide	2.56	76	233500	97.320	ug/l	99
18) Methyl Acetate	2.76	43	102821	86.842	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	458129	95.531	ug/l	98
20) Methylene Chloride	2.84	84	150804	77.130	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	131140	92.932	ug/l	96
22) Diisopropyl ether	3.84	45	532704	94.966	ug/l	95
23) Vinyl Acetate	3.80	43	1695103	494.983	ug/l	98
24) 1,1-Dichloroethane	3.69	63	280985	93.843	ug/l	99
25) 2-Butanone	4.66	43	310603	486.219	ug/l	97
26) 2,2-Dichloropropane	4.57	77	260655	93.867	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	173315	93.220	ug/l	99
28) Bromochloromethane	5.00	49	137402	100.053	ug/l	98
29) Tetrahydrofuran	5.12	42	180894	466.906	ug/l	100
30) Chloroform	5.20	83	313818	91.601	ug/l	97
31) Cyclohexane	5.57	56	189010	93.863	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	270572	95.356	ug/l	99
36) 1,1-Dichloropropene	5.79	75	192804	95.371	ug/l	100
37) Ethyl Acetate	4.82	43	128258	96.051	ug/l	99
38) Carbon Tetrachloride	5.77	117	226820	97.964	ug/l	99

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 11:06:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	209875	98.657	ug/l	98
40) Benzene	6.14	78	579872	94.540	ug/l	99
41) Methacrylonitrile	5.03	41	79314	96.230	ug/l	97
42) 1,2-Dichloroethane	6.18	62	233091	94.040	ug/l	99
43) Isopropyl Acetate	6.43	43	264250	95.585	ug/l	100
44) Trichloroethene	7.20	130	156662	94.708	ug/l	98
45) 1,2-Dichloropropane	7.51	63	162004	93.575	ug/l	99
46) Dibromomethane	7.65	93	92866	94.314	ug/l	99
47) Bromodichloromethane	7.89	83	251342	95.371	ug/l	98
48) Methyl methacrylate	7.76	41	129245	97.287	ug/l	99
49) 1,4-Dioxane	7.73	88	34761	1864.278	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	697435	484.878	ug/l	100
52) Toluene	8.78	92	385031	94.512	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	256394	97.583	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	276510	96.461	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	140869	94.264	ug/l	99
56) Ethyl methacrylate	9.17	69	201450	96.424	ug/l	99
57) 1,3-Dichloropropane	9.37	76	238862	93.508	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	501976	505.972	ug/l	100
59) 2-Hexanone	9.49	43	504744	493.904	ug/l	99
60) Dibromochloromethane	9.58	129	172846	97.515	ug/l	99
61) 1,2-Dibromoethane	9.67	107	131205	94.162	ug/l	99
64) Tetrachloroethene	9.33	164	126467	93.000	ug/l	96
65) Chlorobenzene	10.14	112	447138	91.620	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	176556	94.480	ug/l	99
67) Ethyl Benzene	10.25	91	805777	94.131	ug/l	98
68) m/p-Xylenes	10.36	106	593368	187.946	ug/l	100
69) o-Xylene	10.70	106	291534	94.642	ug/l	99
70) Styrene	10.71	104	532536	96.140	ug/l	100
71) Bromoform	10.85	173	97357	99.922	ug/l #	99
73) Isopropylbenzene	11.01	105	810380	92.060	ug/l	100
74) N-amyl acetate	10.89	43	262094	93.041	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	183113	92.549	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	162673m	94.794	ug/l	
77) Bromobenzene	11.25	156	187241	88.986	ug/l	99
78) n-propylbenzene	11.35	91	979931	92.495	ug/l	100
79) 2-Chlorotoluene	11.42	91	601149	90.906	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	728537	91.435	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	58894	94.786	ug/l	97
82) 4-Chlorotoluene	11.51	91	723174	89.340	ug/l	100
83) tert-Butylbenzene	11.77	119	710811	92.013	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	755405	91.665	ug/l	98
85) sec-Butylbenzene	11.94	105	828725	91.266	ug/l	100
86) p-Isopropyltoluene	12.06	119	791363	93.998	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	378558	90.722	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	380830	91.012	ug/l	99
89) n-Butylbenzene	12.39	91	770855	95.442	ug/l	99
90) Hexachloroethane	12.59	117	151008	97.806	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	357453	91.546	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	37375	95.291	ug/l	94

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ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

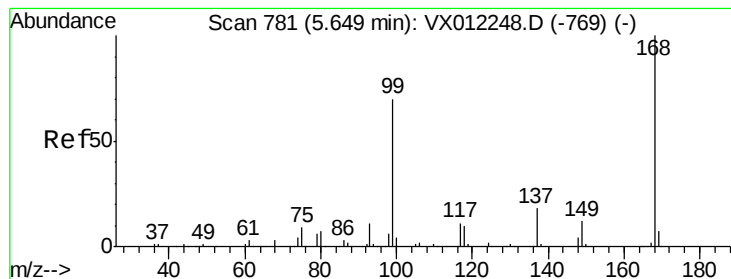
Manual Integrations
APPROVED

MMDadoda
9/12/2019 9:00:34 AM

Quant Time: Sep 10 11:20:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 11:06:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	256801	99.460	ug/l	99
94) Hexachlorobutadiene	13.78	225	122467	98.045	ug/l	98
95) Naphthalene	13.83	128	574698	101.370	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	232460	102.960	ug/l	99

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



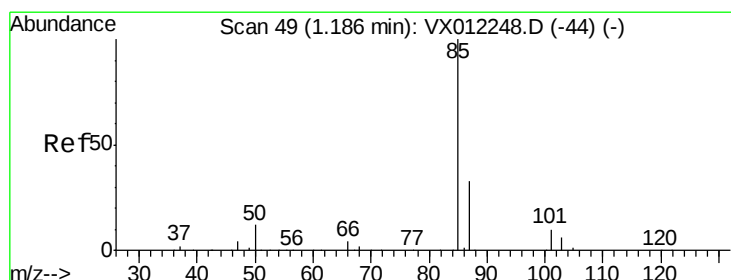
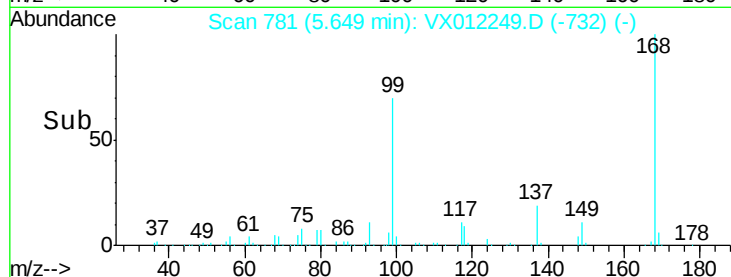
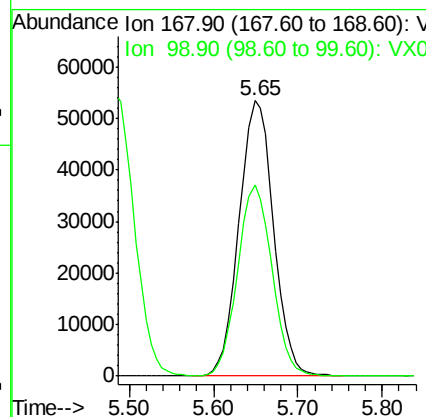
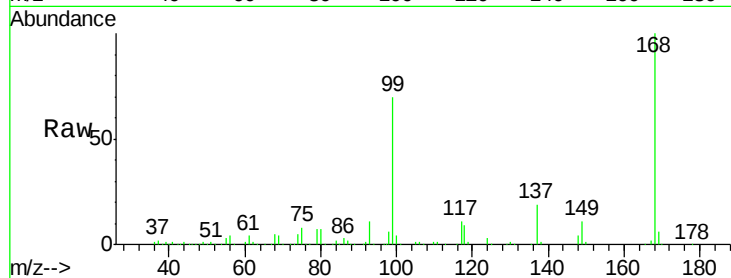
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.00 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
168	100	148042		
99	69.3	55.8	83.6	

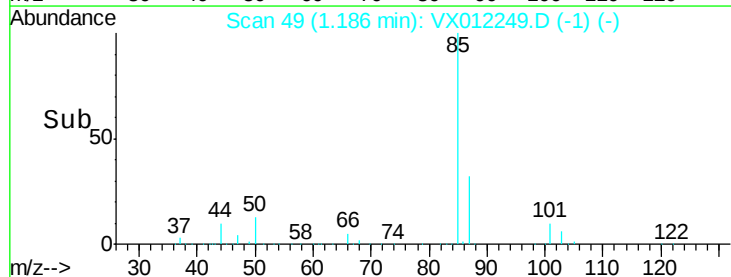
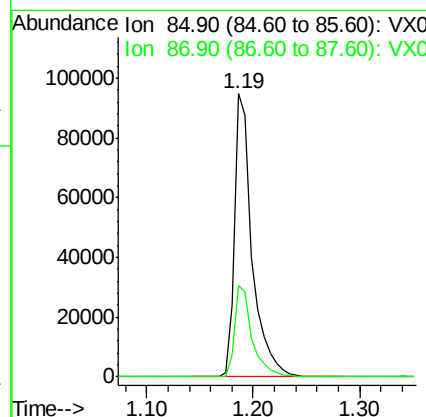
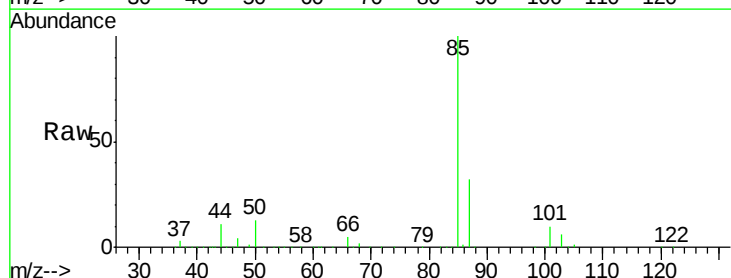
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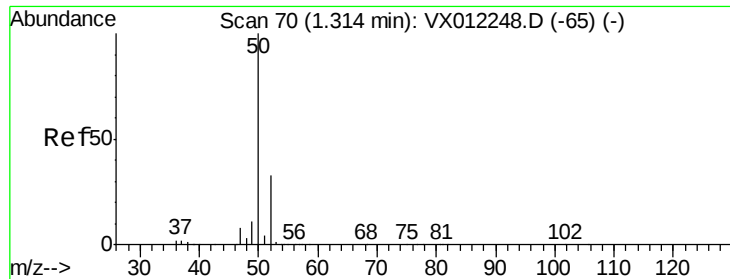
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#2
Dichlorodifluoromethane
Concen: 93.187 ug/l
RT: 1.19 min Scan# 49
Delta R.T. 0.00 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	110284		
87	32.3	16.7	50.0	





#3

Chloromethane

Concen: 91.666 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 104552

Ion Ratio Lower Upper

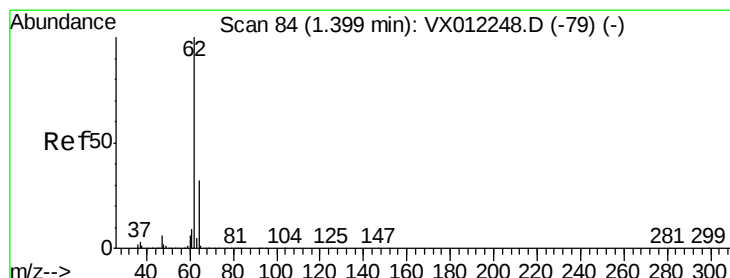
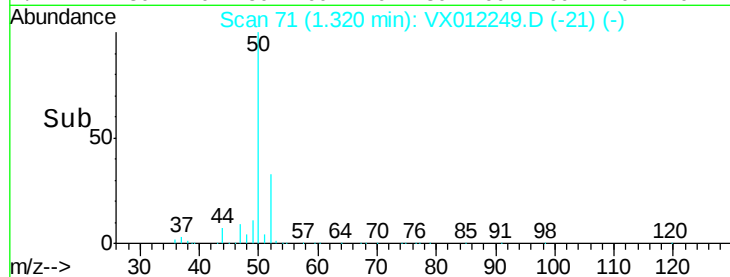
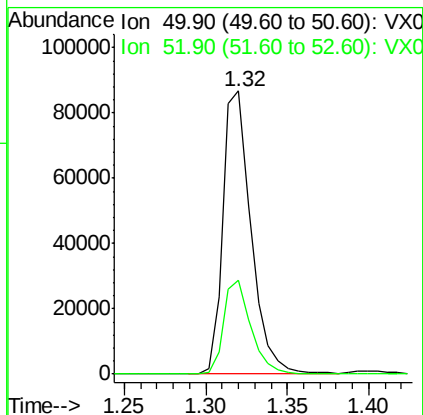
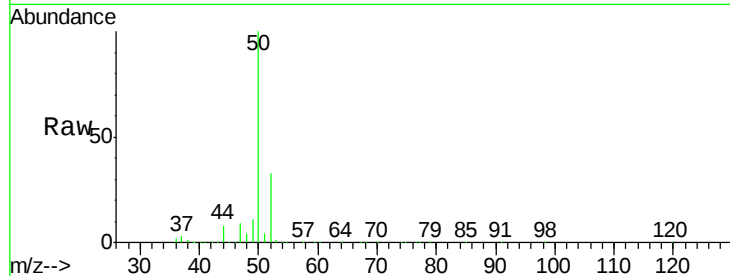
50 100

52 33.2 26.7 40.1

Manual Integrations
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9/12/2019 9:00:34 AM



#4

Vinyl Chloride

Concen: 95.785 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012249.D

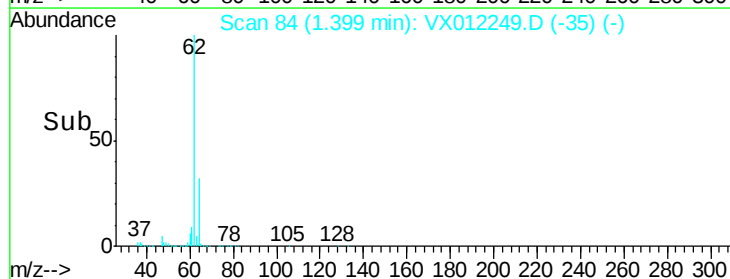
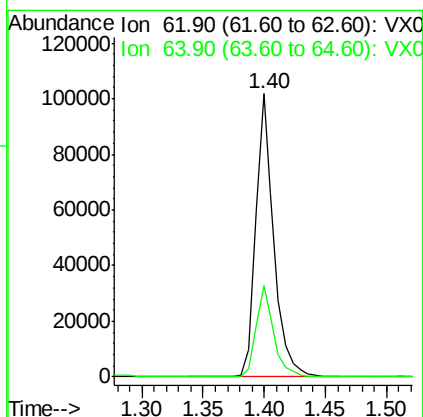
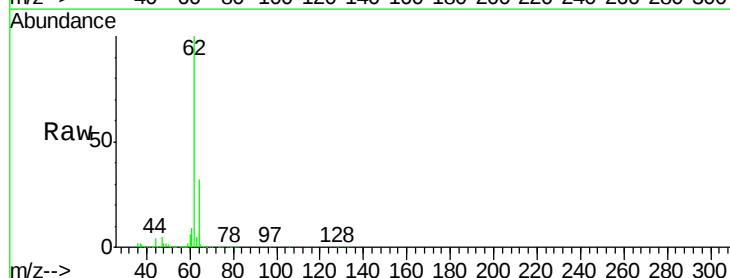
Acq: 10 Sep 2019 10:55

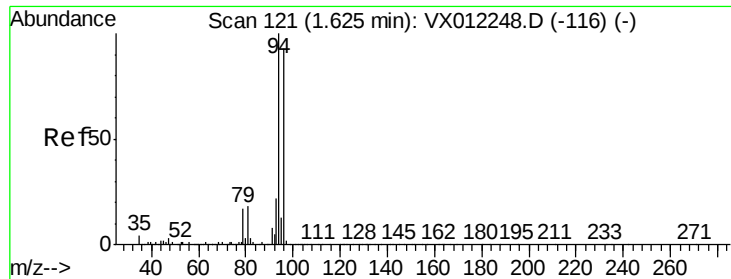
Tgt Ion: 62 Resp: 104630

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 103.558 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 41013

Ion Ratio Lower Upper

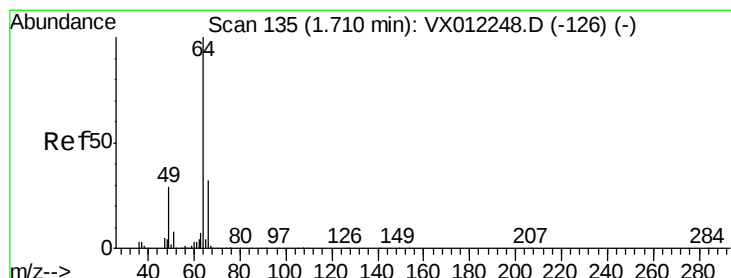
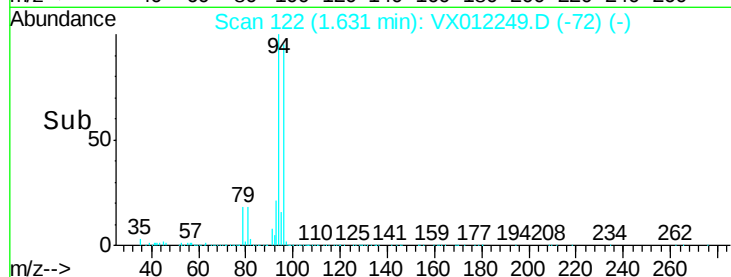
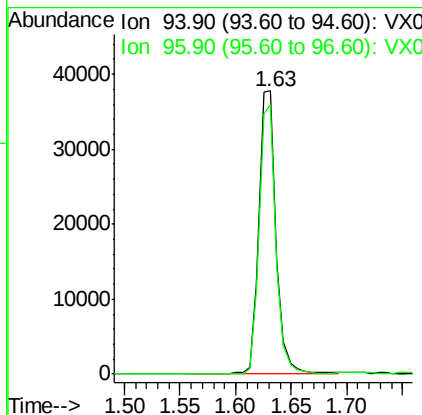
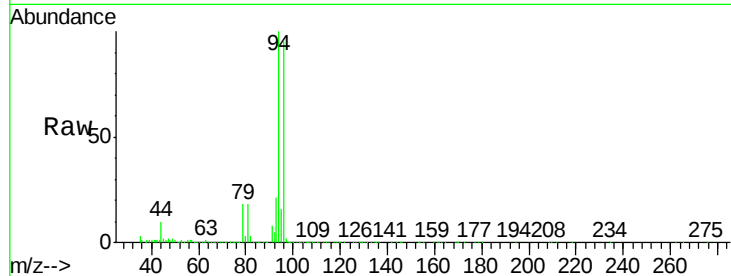
94 100

96 95.2 74.0 111.0

Manual Integrations
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#6

Chloroethane

Concen: 97.583 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012249.D

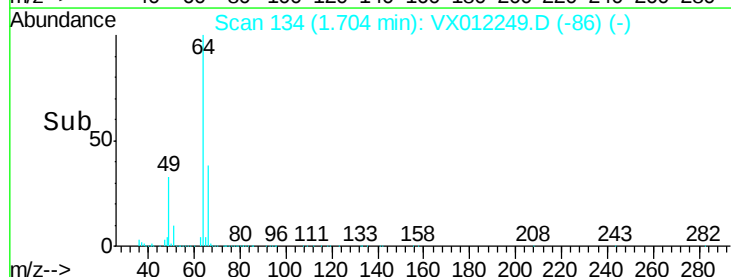
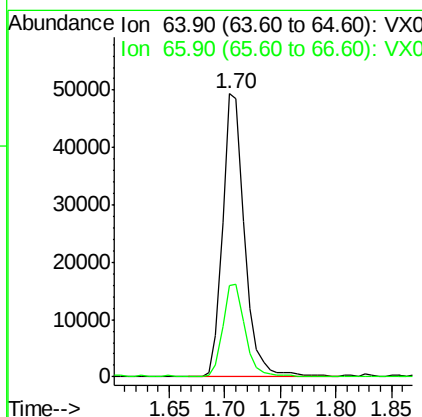
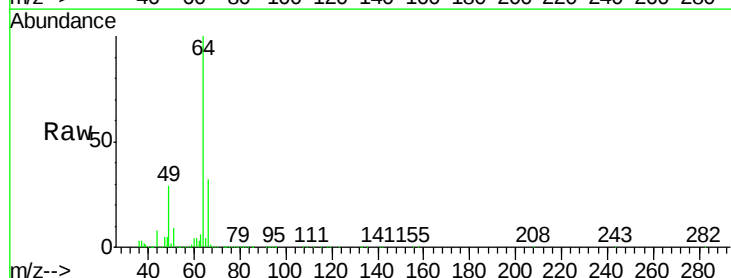
Acq: 10 Sep 2019 10:55

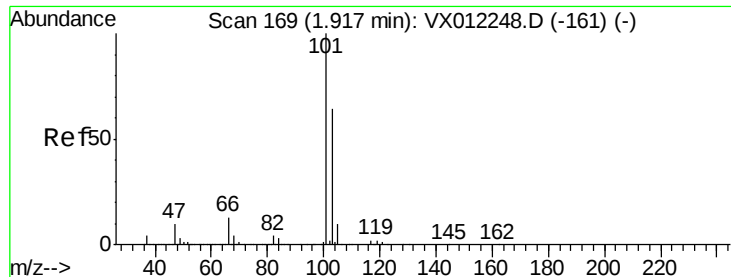
Tgt Ion: 64 Resp: 66918

Ion Ratio Lower Upper

64 100

66 32.0 25.8 38.6





#7

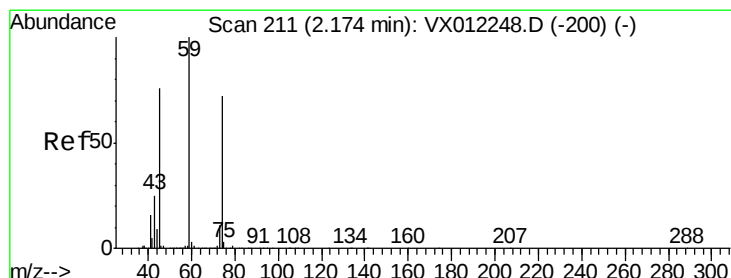
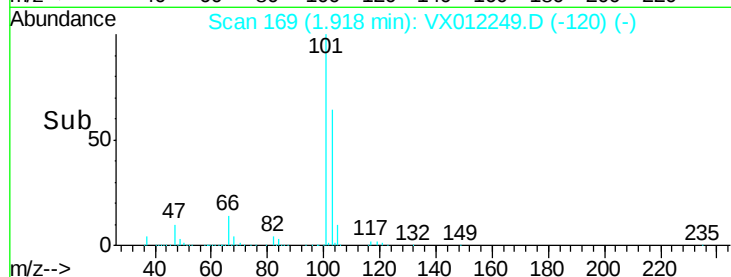
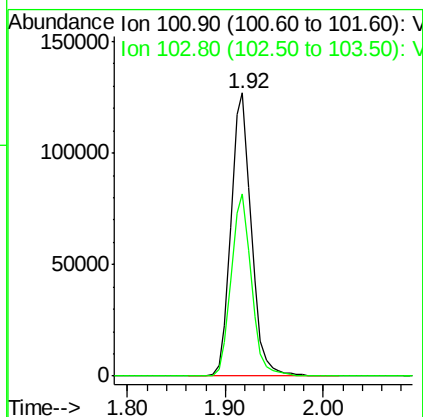
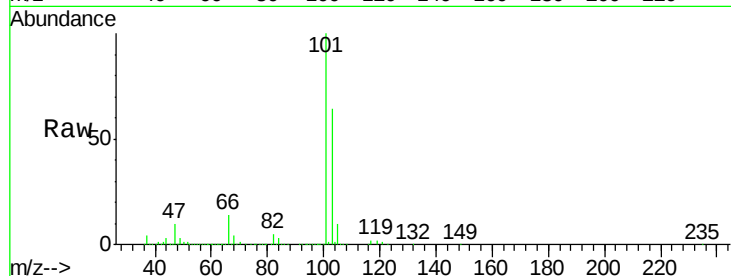
Trichlorofluoromethane
Concen: 98.682 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	183366		
103	64.3	51.4	77.2	

Manual Integrations
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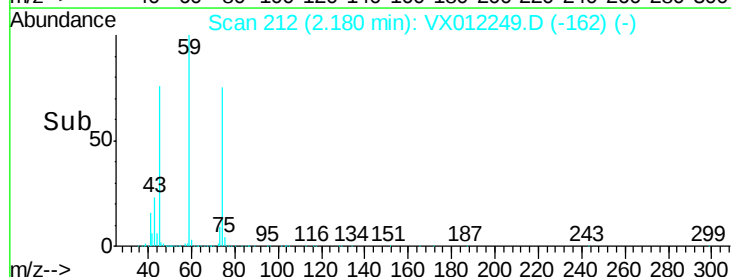
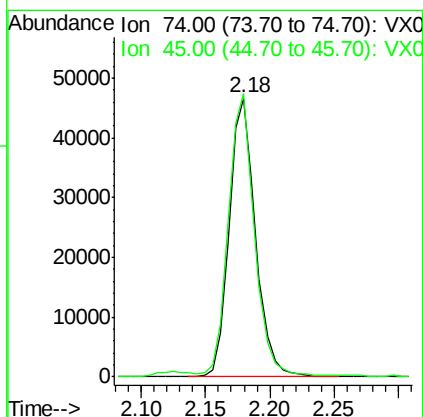
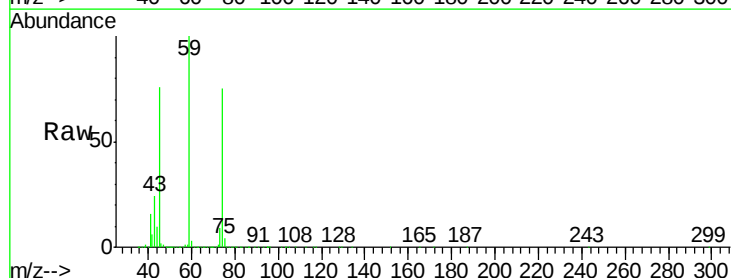
MMDadoda
9/12/2019 9:00:34 AM

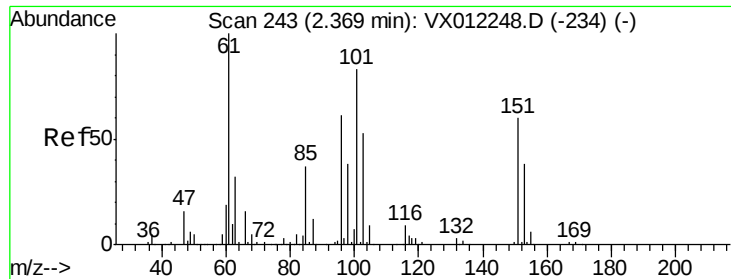


#8

Diethyl Ether
Concen: 80.615 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.01 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	66569		
45	100.5	51.3	153.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 94.578 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Instrument :

MSVOA_X

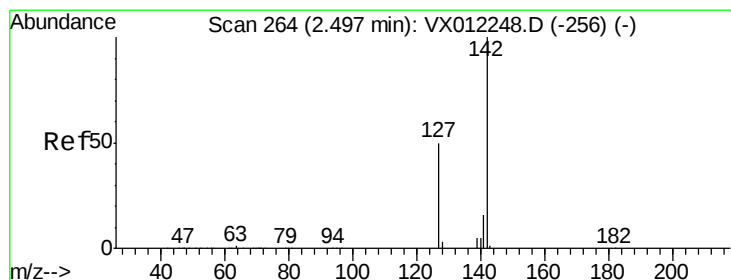
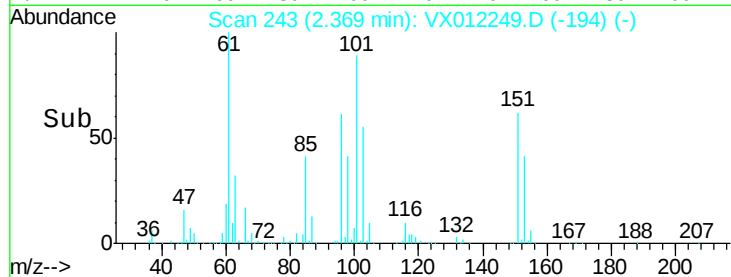
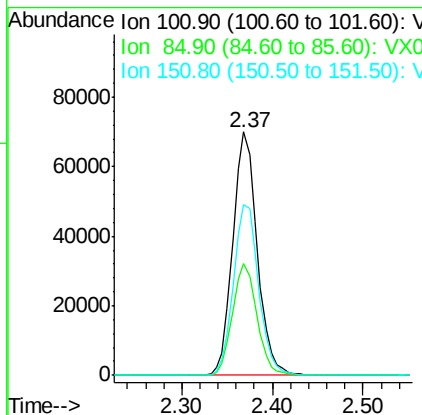
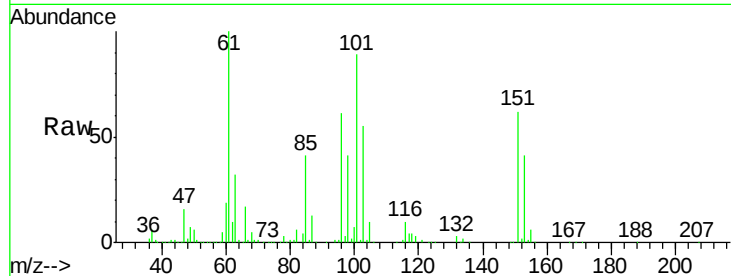
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	130913
Ion Ratio	Lower	Upper	
101	100		
85	46.3	37.0	55.6
151	72.7	58.6	87.8

Manual Integrations
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MMDadoda
9/12/2019 9:00:34 AM



#10

Methyl Iodide

Concen: 105.316 ug/l

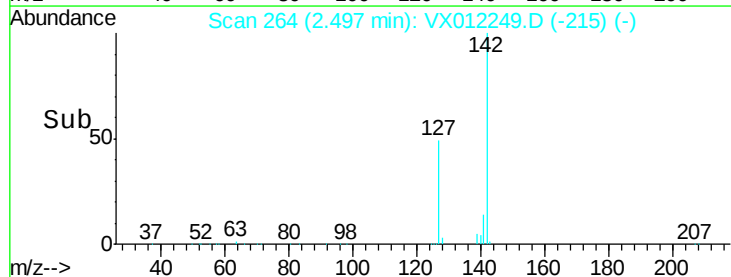
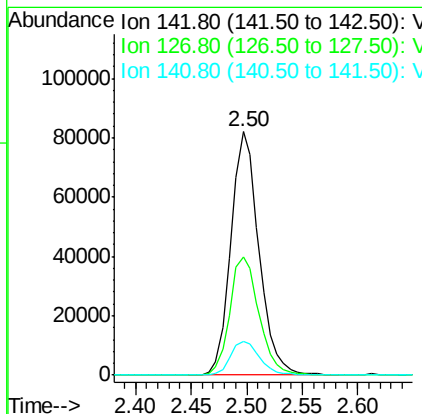
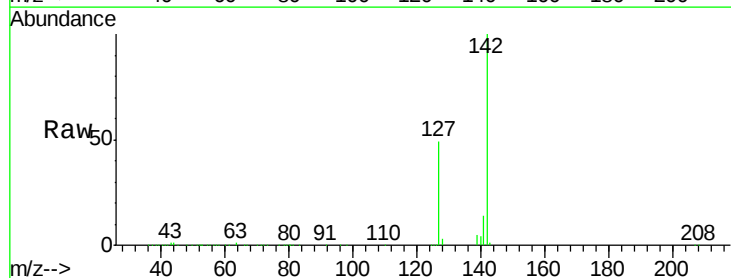
RT: 2.50 min Scan# 264

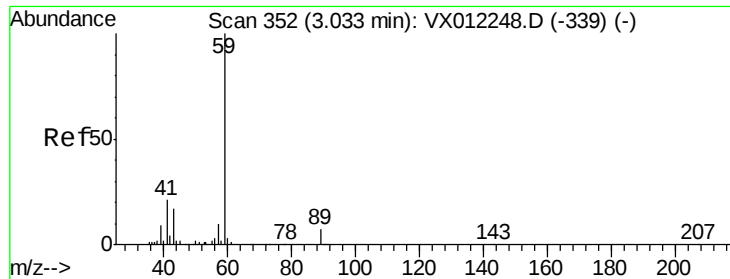
Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Tgt Ion:	142	Resp:	143169
Ion Ratio	Lower	Upper	
142	100		
127	50.6	40.6	61.0
141	14.4	12.0	18.0





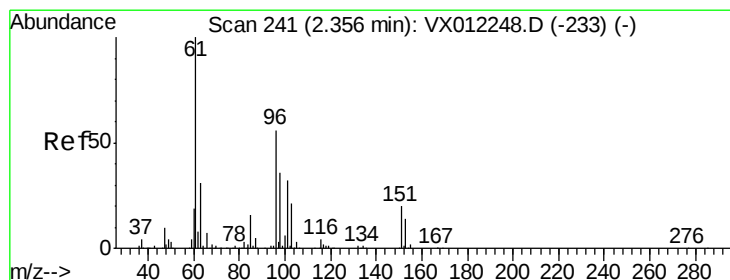
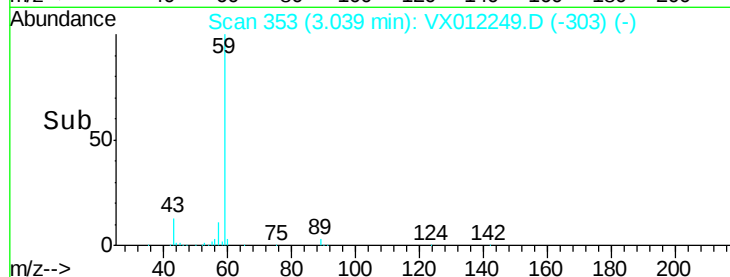
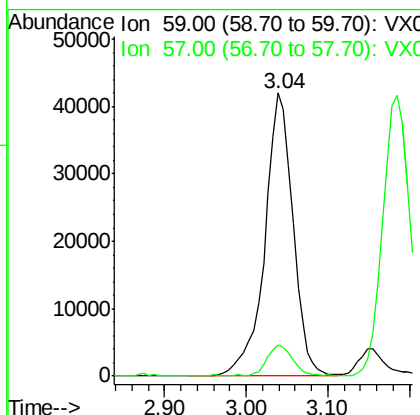
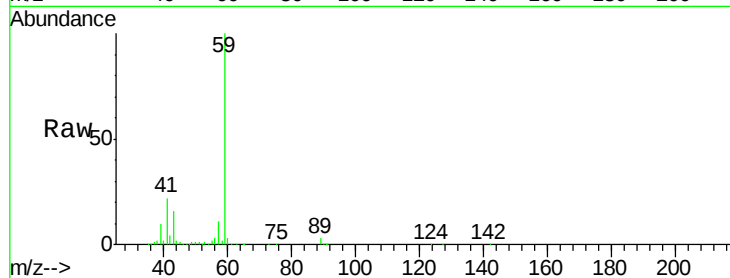
#11
Tert butyl alcohol
Concen: 492.249 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.01 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
59	100	100902		
57	9.6		7.8	11.6

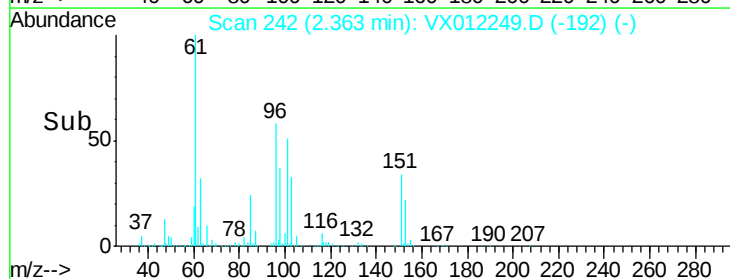
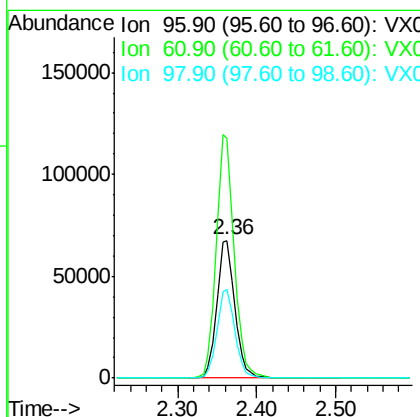
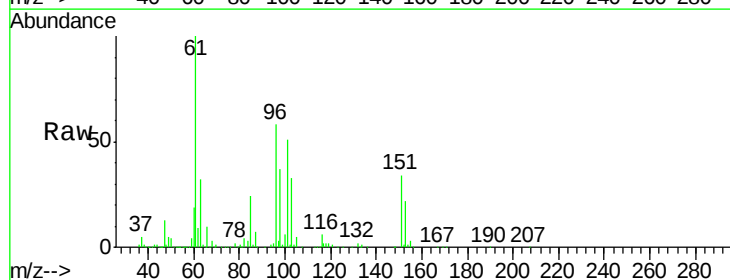
Manual Integrations
APPROVED

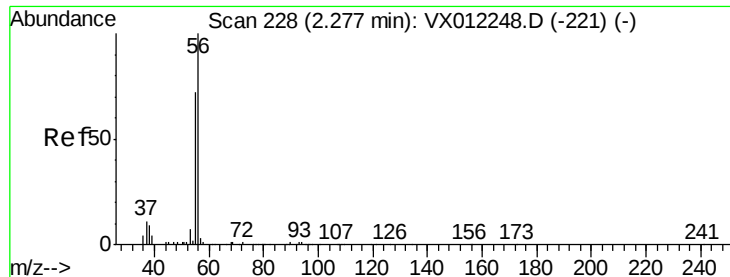
MMDadoda
9/12/2019 9:00:34 AM



#12
1,1-Dichloroethene
Concen: 93.087 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.01 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	108523		
61	173.8		142.2	213.2
98	64.4		51.3	76.9





#13

Acrolein

Concen: 428.987 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 53310

Ion Ratio Lower Upper

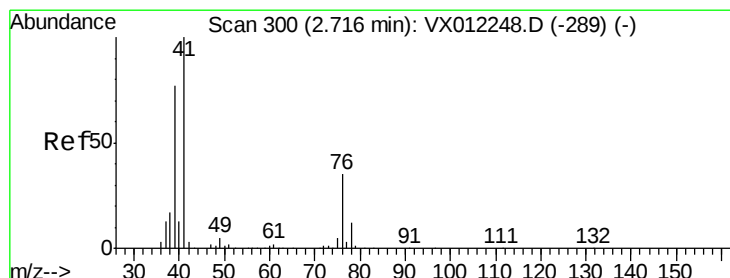
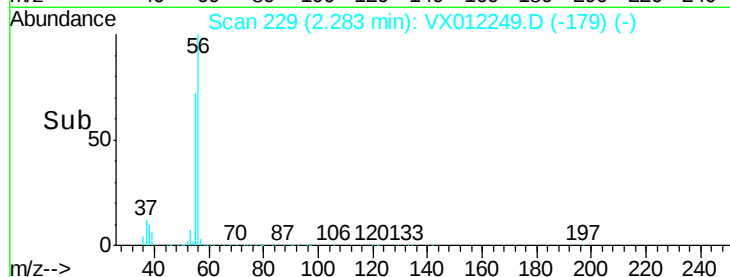
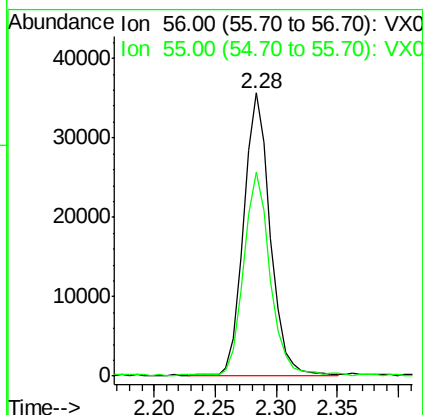
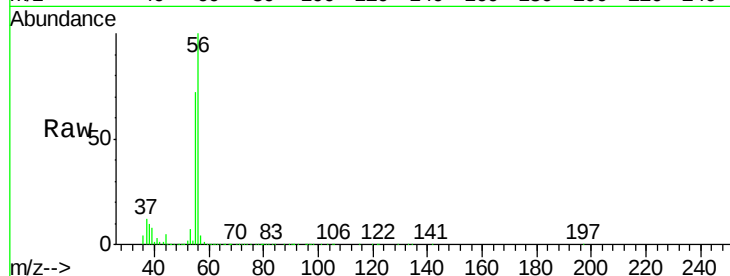
56 100

55 71.8 59.8 89.6

Manual Integrations
APPROVED

MMDadoda

9/12/2019 9:00:34 AM



#14

Allyl chloride

Concen: 96.438 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

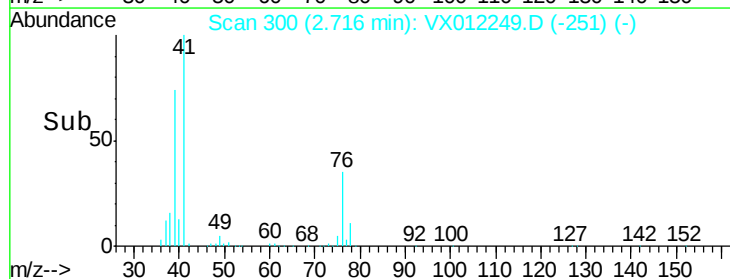
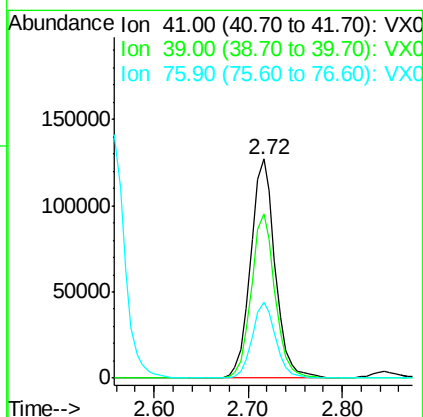
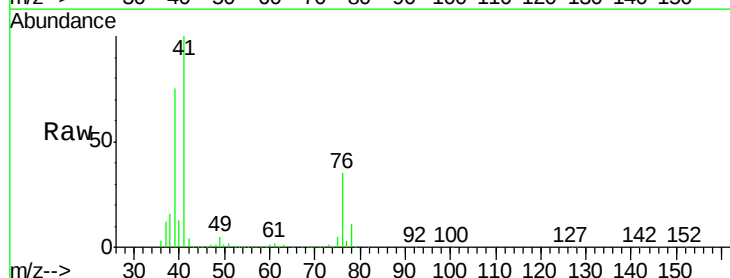
Tgt Ion: 41 Resp: 232023

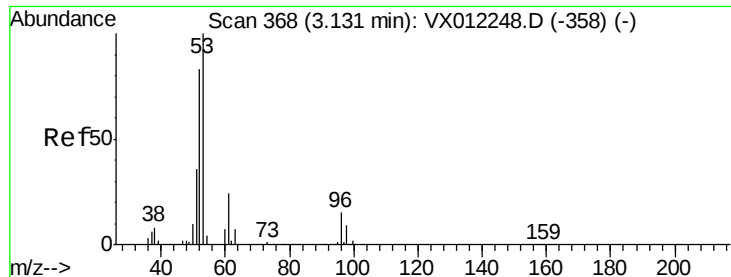
Ion Ratio Lower Upper

41 100

39 72.6 58.6 87.8

76 33.1 26.3 39.5





#15

Acrylonitrile

Concen: 469.448 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Instrument :

MSVOA_X

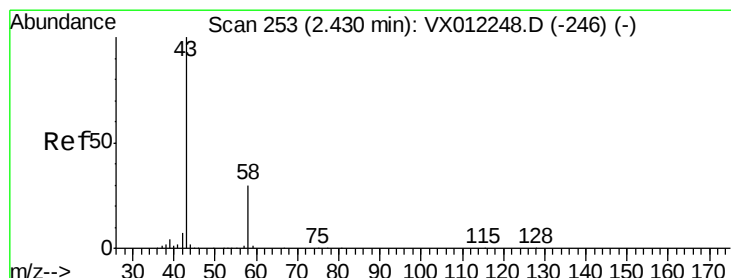
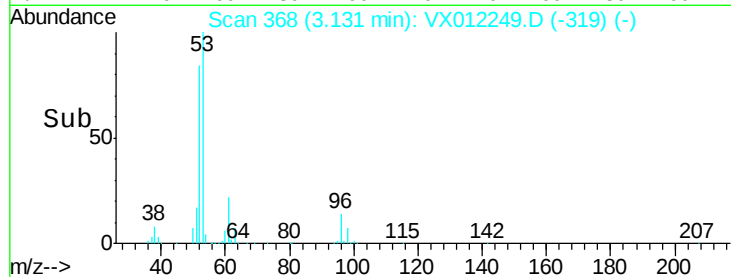
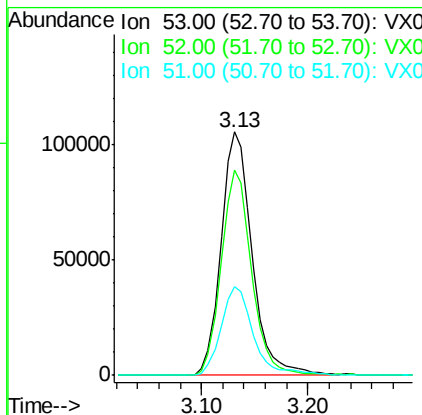
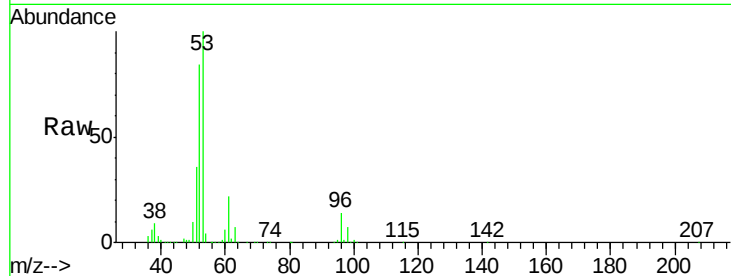
ClientSampleId :

VSTDICC100

Tot Ion:	53	Resp:	214237
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.8	100.2
51	37.6	30.7	46.1

Manual Integrations
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#16

Acetone

Concen: 482.405 ug/l

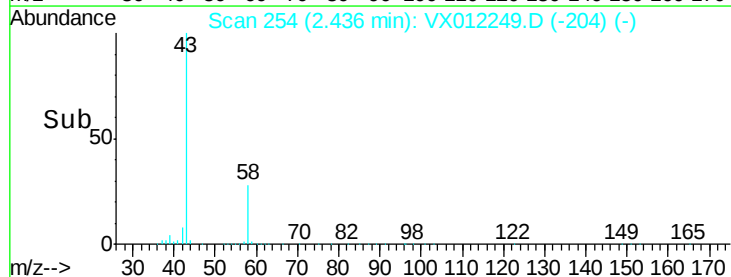
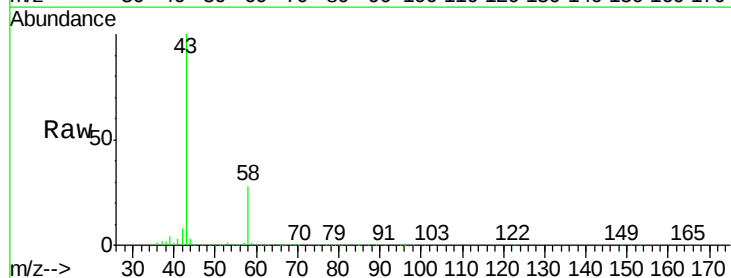
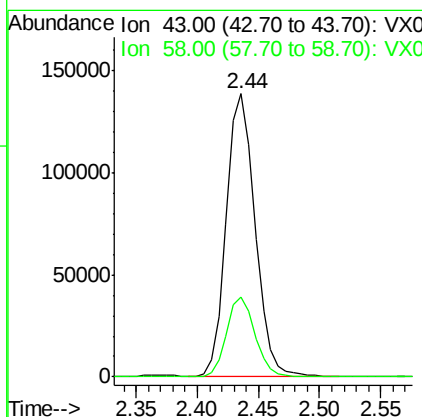
RT: 2.44 min Scan# 254

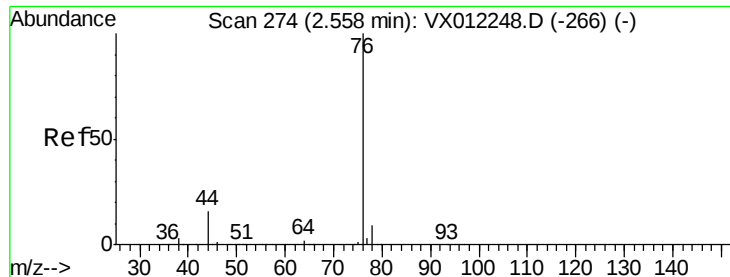
Delta R.T. 0.01 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Tgt Ion:	43	Resp:	224778
Ion	Ratio	Lower	Upper
43	100		
58	28.4	23.6	35.4





#17

Carbon Disulfide

Concen: 97.320 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 233500

Ion Ratio Lower Upper

76 100

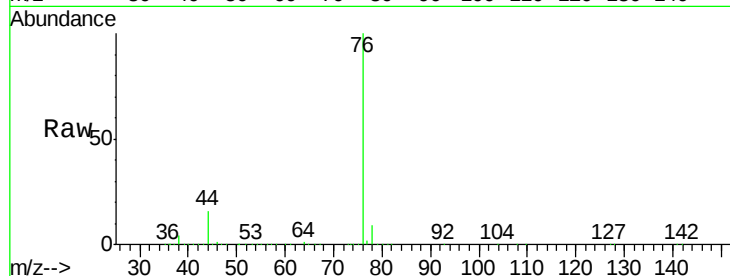
78 9.0 7.4 11.2

Manual Integrations

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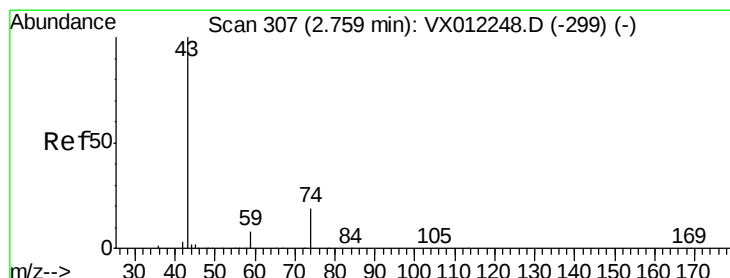
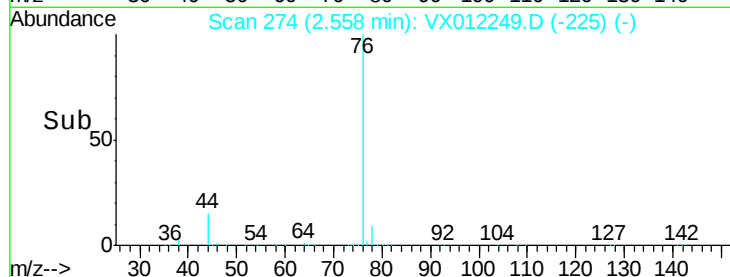
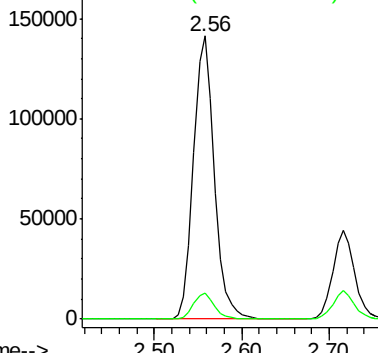
MMDadoda

9/12/2019 9:00:34 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 86.842 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.01 min

Lab File: VX012249.D

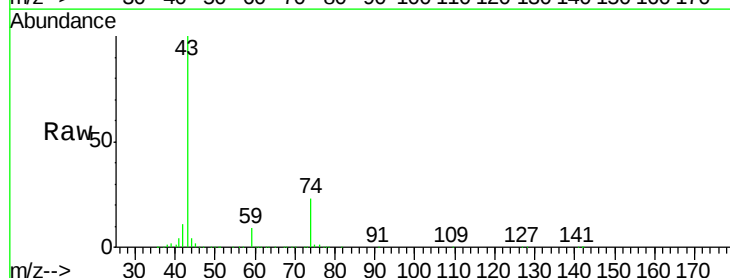
Acq: 10 Sep 2019 10:55

Tgt Ion: 43 Resp: 102821

Ion Ratio Lower Upper

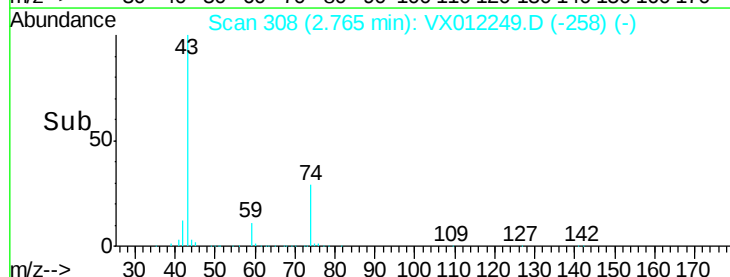
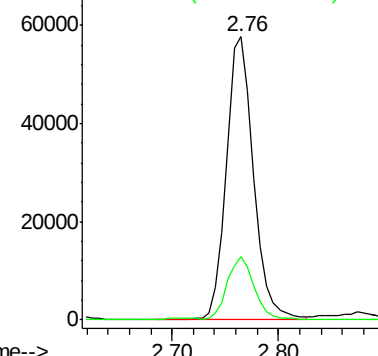
43 100

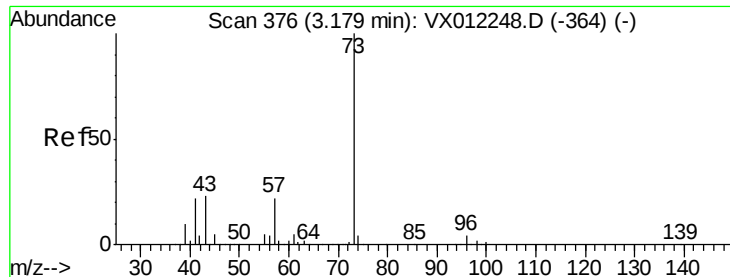
74 21.8 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





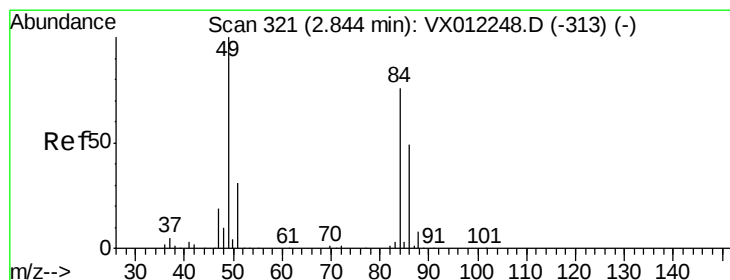
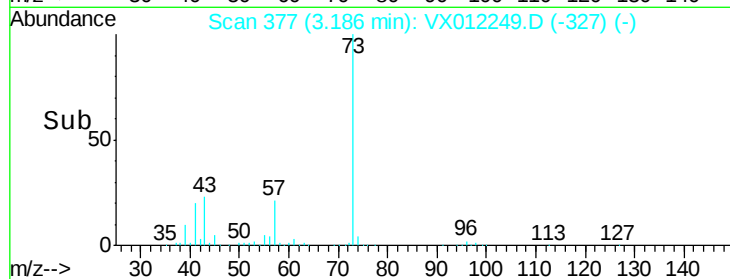
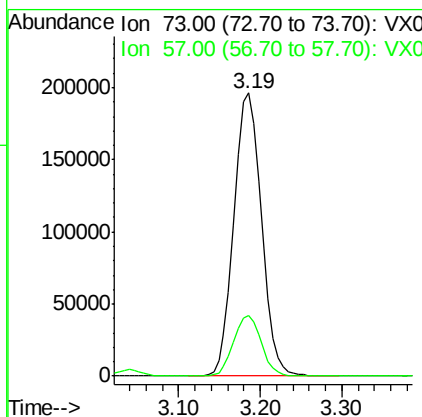
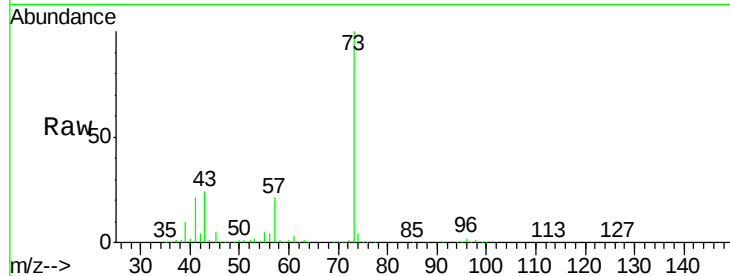
#19
Methvl tert-butvl Ether
Concen: 95.531 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.01 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 458129
Ion Ratio Lower Upper
73 100
57 21.2 17.7 26.5

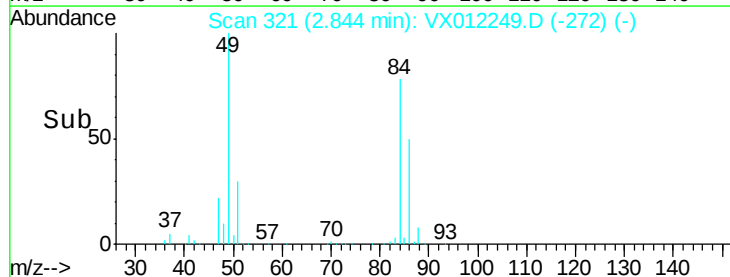
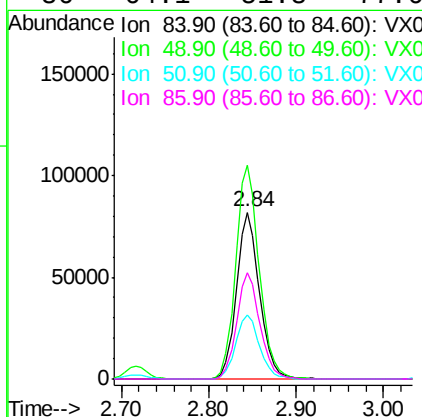
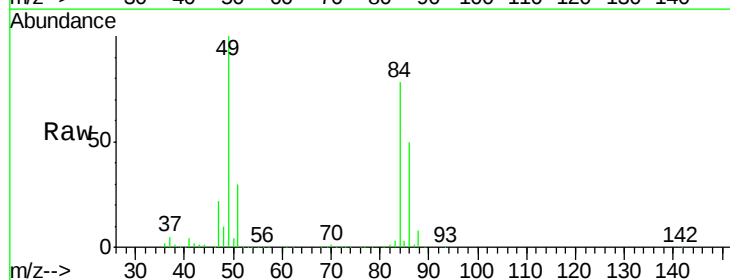
Manual Integrations
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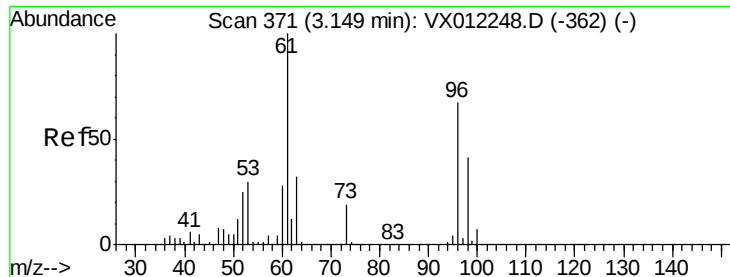
MMDadoda
9/12/2019 9:00:34 AM



#20
Methylene Chloride
Concen: 77.130 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Tgt Ion: 84 Resp: 150804
Ion Ratio Lower Upper
84 100
49 128.0 105.0 157.6
51 38.6 32.6 48.8
86 64.1 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 92.932 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Instrument :

MSVOA_X

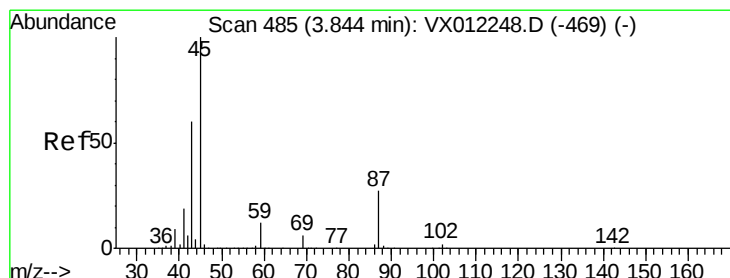
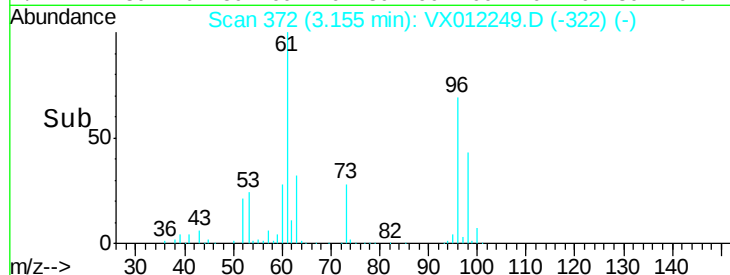
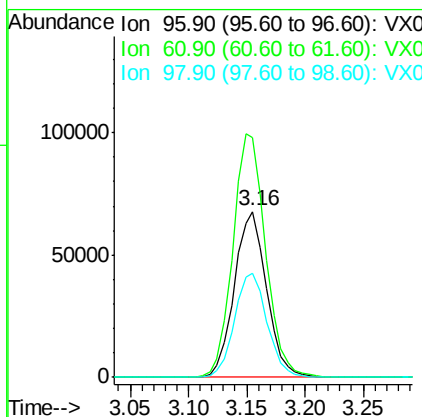
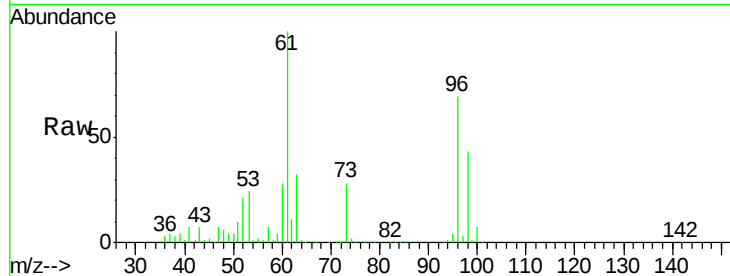
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	131140
Ion	Ratio	Lower	Upper
96	100		
61	144.1	119.4	179.2
98	62.4	48.4	72.6

Manual Integrations
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MMDadoda
9/12/2019 9:00:34 AM



#22

Diisopropyl ether

Concen: 94.966 ug/l

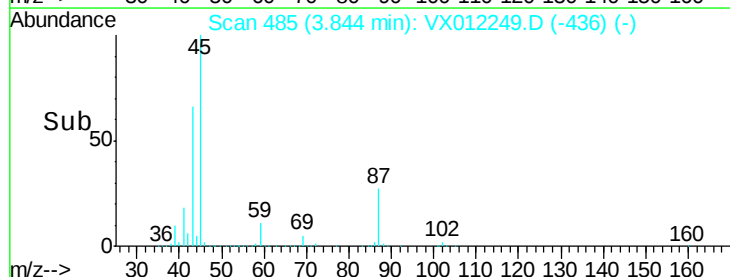
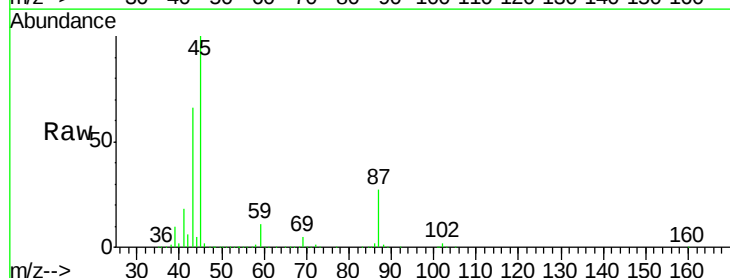
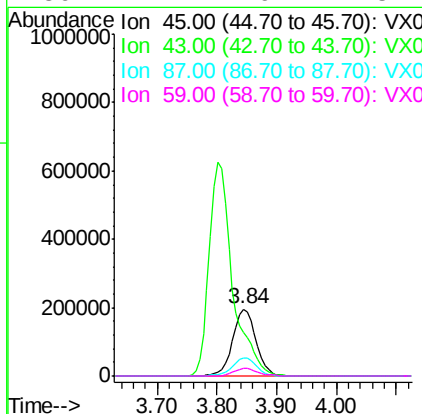
RT: 3.84 min Scan# 485

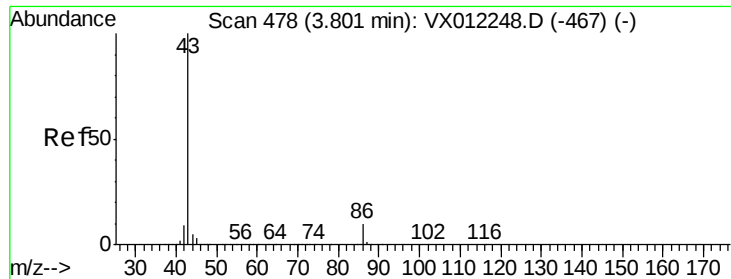
Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Tgt Ion:	45	Resp:	532704
Ion	Ratio	Lower	Upper
45	100		
43	65.9	48.3	72.5
87	26.9	21.8	32.8
59	11.2	9.1	13.7





#23

Vinyl Acetate

Concen: 494.983 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1695103

Ion Ratio Lower Upper

43 100

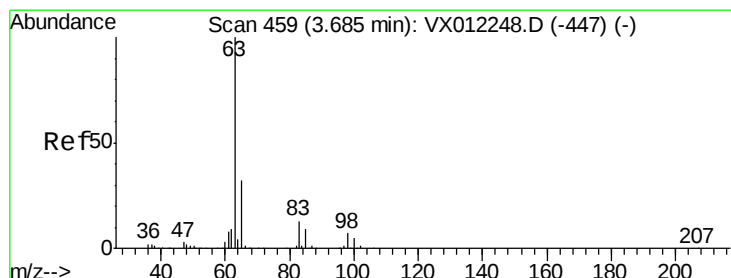
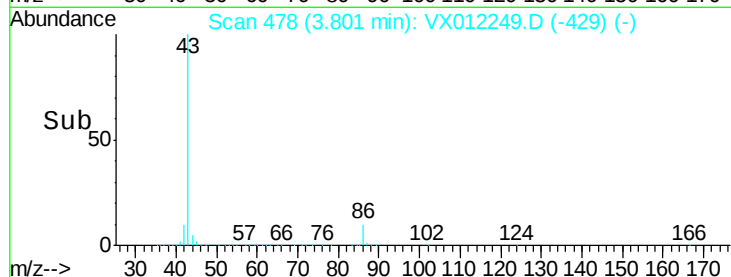
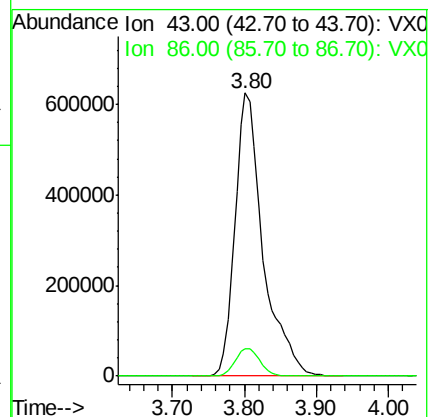
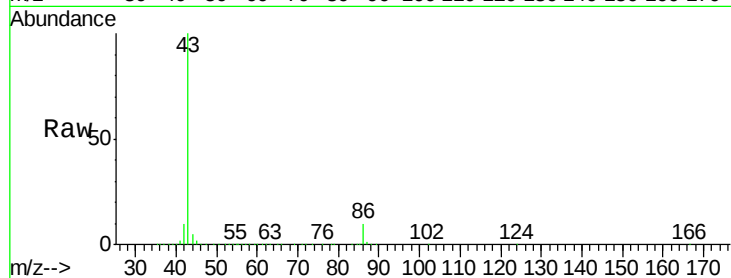
86 9.8 8.3 12.5

Manual Integrations

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MMDadoda

9/12/2019 9:00:34 AM



#24

1,1-Dichloroethane

Concen: 93.843 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

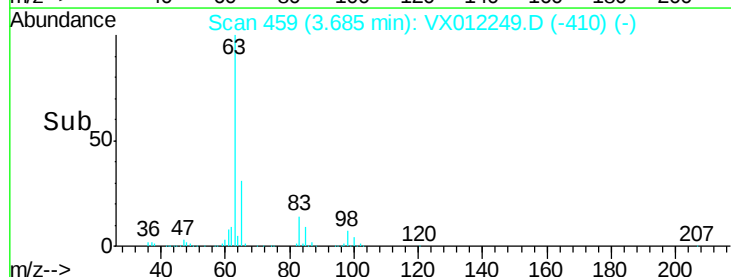
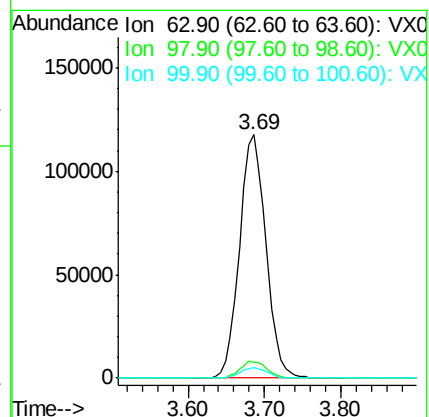
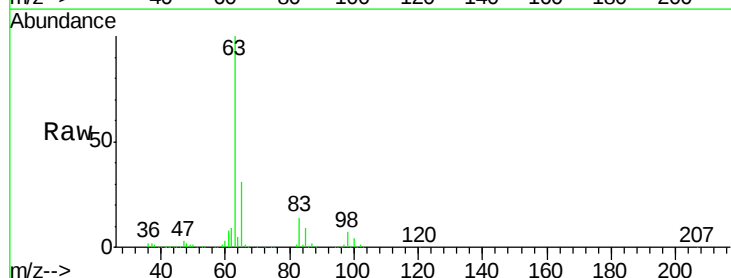
Tgt Ion: 63 Resp: 280985

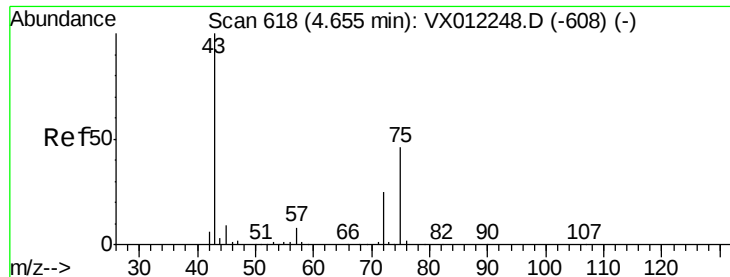
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 4.4 2.4 7.2





#25

2-Butanone

Concen: 486.219 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 310603

Ion Ratio Lower Upper

43 100

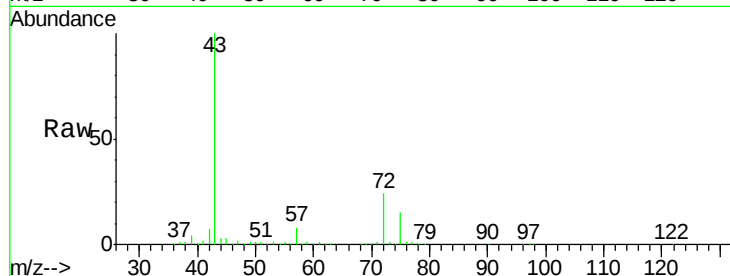
72 23.7 20.2 30.2

Manual Integrations

APPROVED

MMDadoda

9/12/2019 9:00:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.66

120000

100000

80000

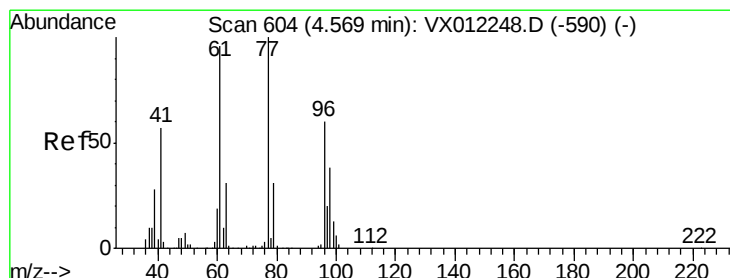
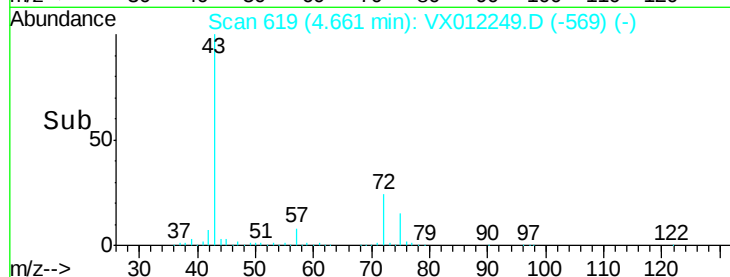
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 93.867 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012249.D

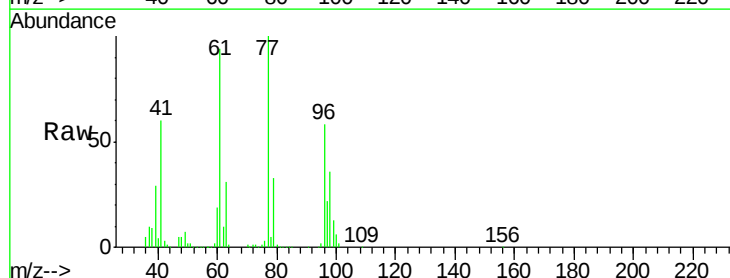
Acq: 10 Sep 2019 10:55

Tgt Ion: 77 Resp: 260655

Ion Ratio Lower Upper

77 100

97 21.0 10.7 32.1



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.57

80000

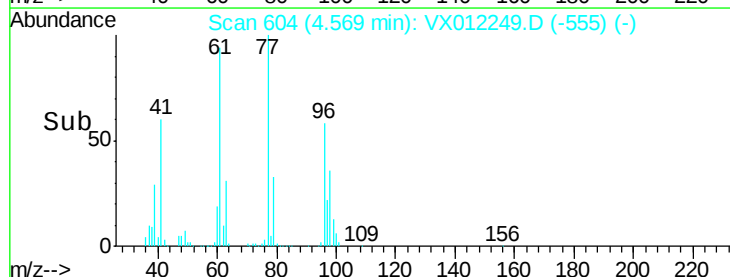
60000

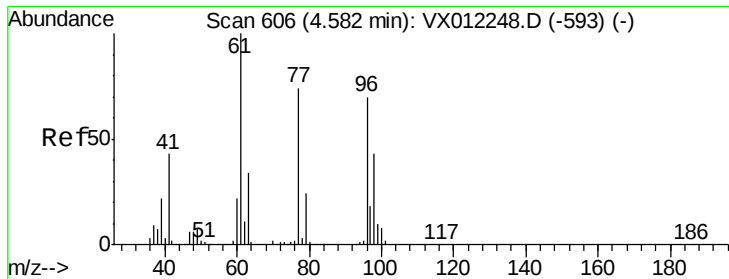
40000

20000

0

Time-->





#27

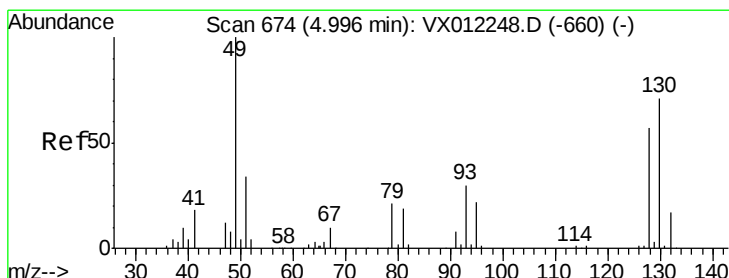
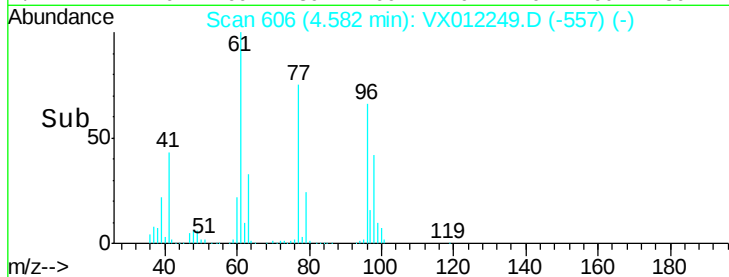
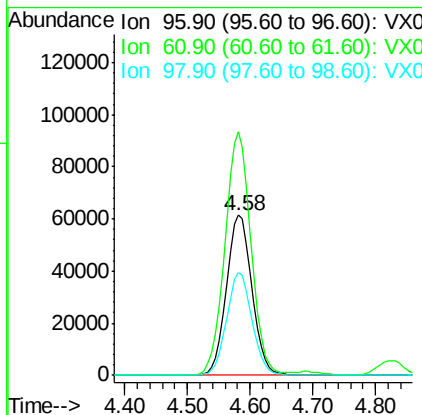
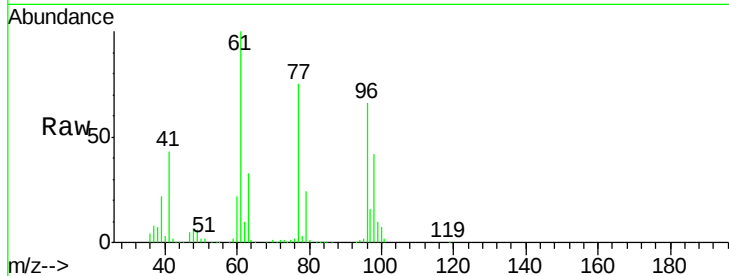
cis-1,2-Dichloroethene
Concen: 93.220 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	173315		
61	154.3	0.0	310.4	
98	63.7	0.0	128.8	

Manual Integrations
APPROVED

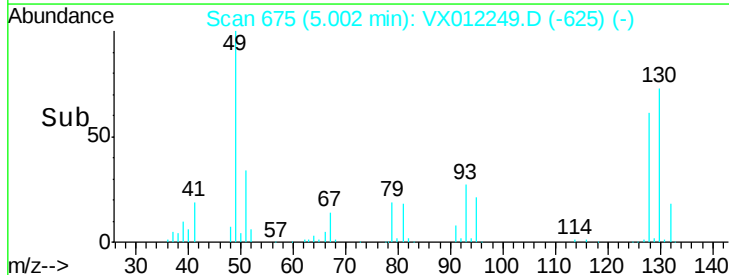
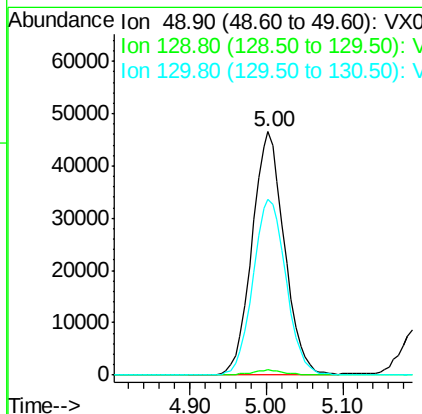
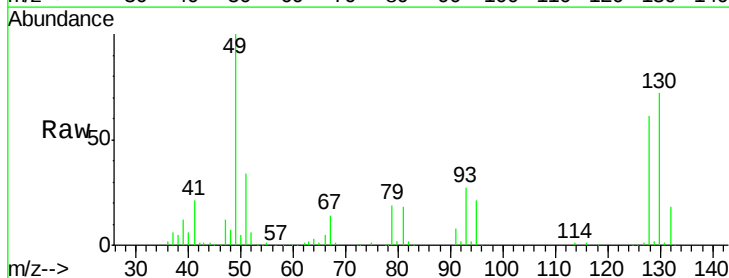
MMDadoda
9/12/2019 9:00:34 AM

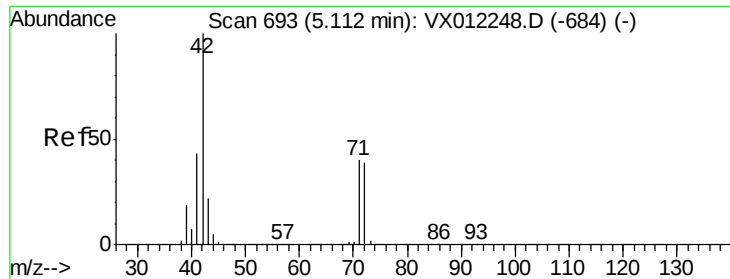


#28

Bromochloromethane
Concen: 100.053 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.01 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	137402		
129	2.1	0.0	5.2	
130	73.3	60.1	90.1	





#29

Tetrahydrofuran

Concen: 466.906 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Instrument :

MSVOA_X

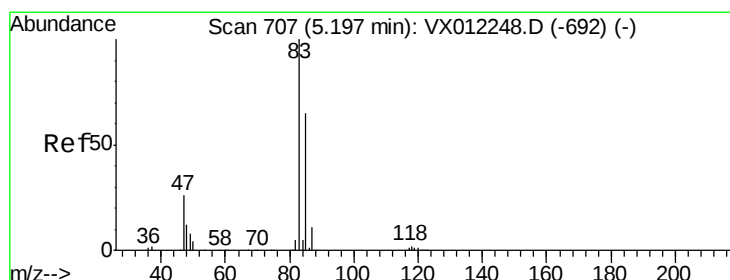
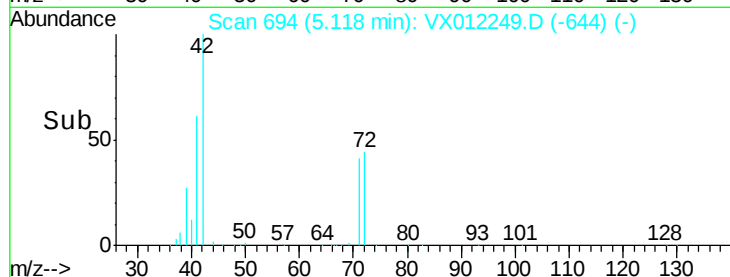
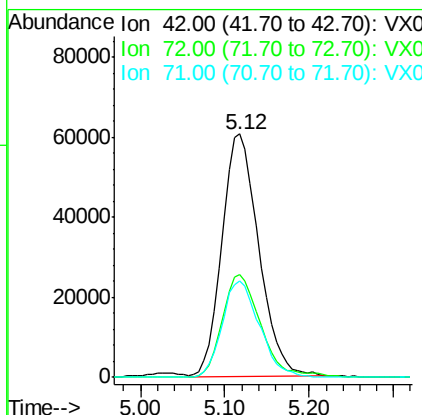
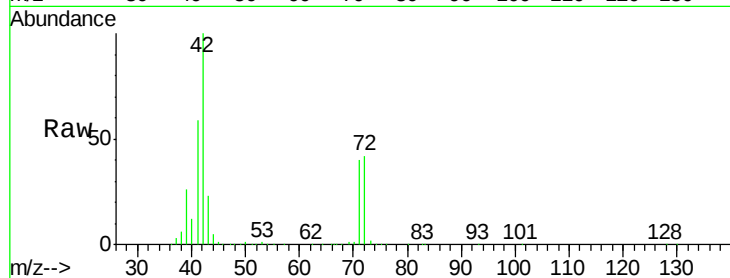
ClientSampleId :

VSTDIC100

Tot Ion:	42	Resp:	180894
Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.2	52.8
71	40.6	32.5	48.7

Manual Integrations
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9/12/2019 9:00:34 AM



#30

Chloroform

Concen: 91.601 ug/l

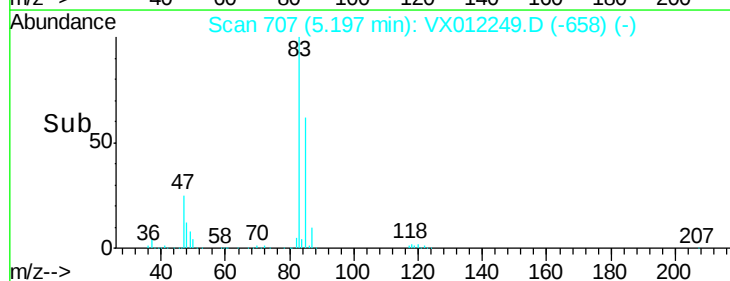
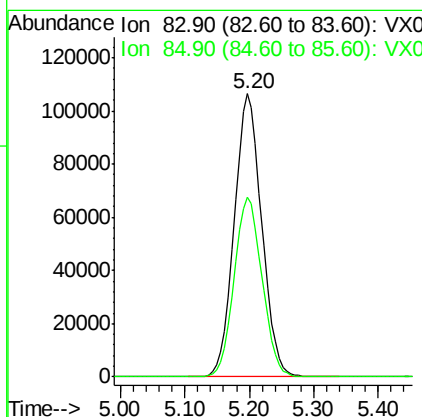
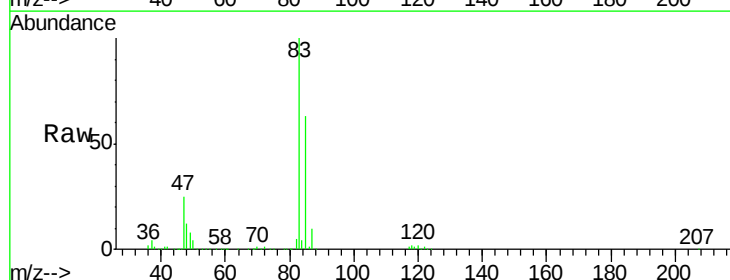
RT: 5.20 min Scan# 707

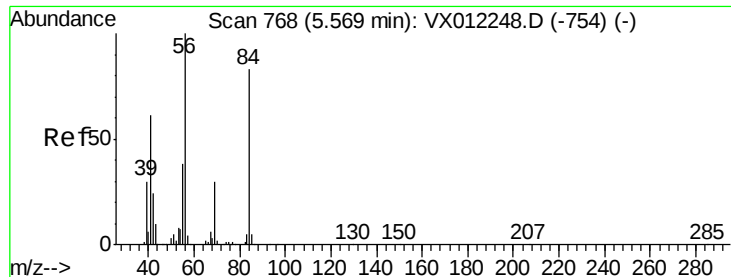
Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Tgt Ion:	83	Resp:	313818
Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.3	78.5





#31

Cyclohexane

Concen: 93.863 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Instrument :

MSVOA_X

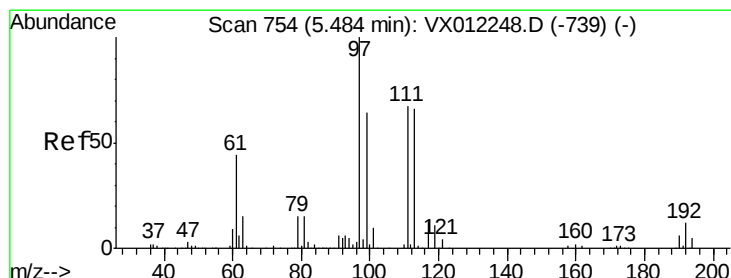
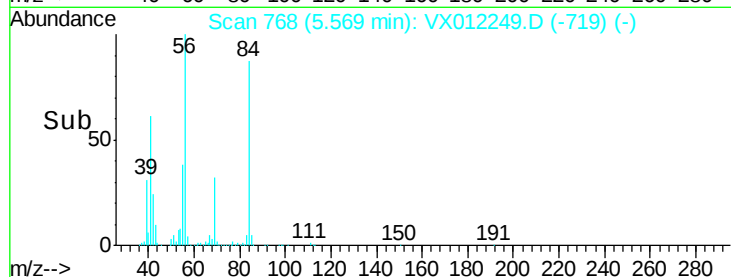
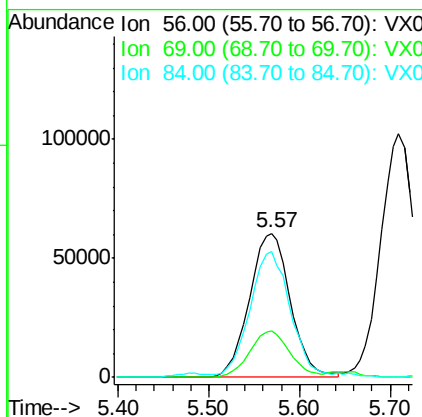
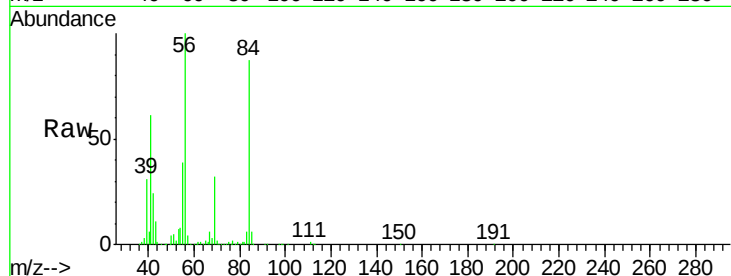
ClientSampled :

VSTDIC100

Tot Ion:	56	Resp:	189010
Ion	Ratio	Lower	Upper
56	100		
69	32.2	23.8	35.6
84	84.4	66.6	100.0

Manual Integrations
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9/12/2019 9:00:34 AM



#32

1,1,1-Trichloroethane

Concen: 95.356 ug/l

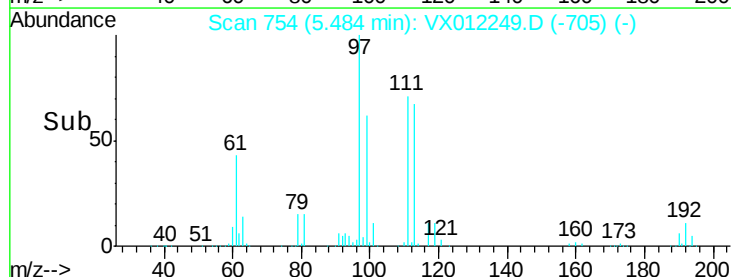
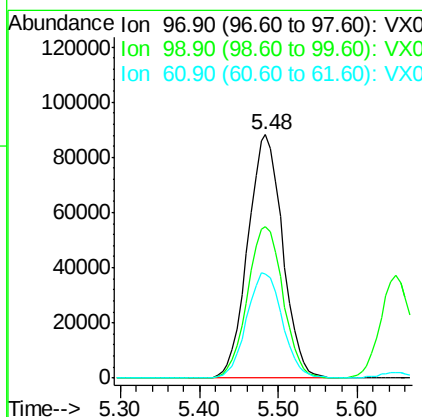
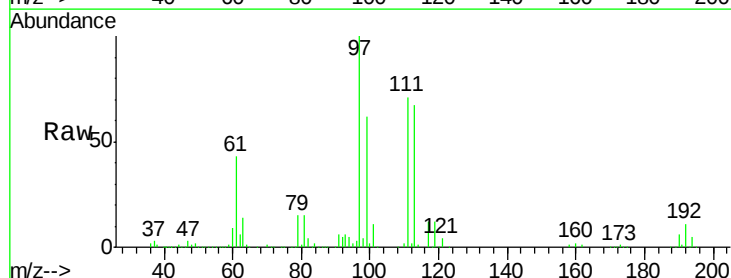
RT: 5.48 min Scan# 754

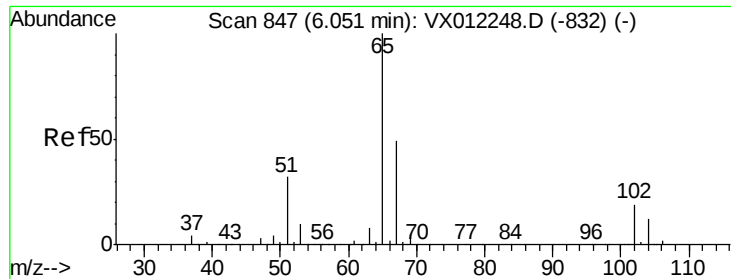
Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Tgt Ion:	97	Resp:	270572
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.3	76.9
61	44.6	35.4	53.0





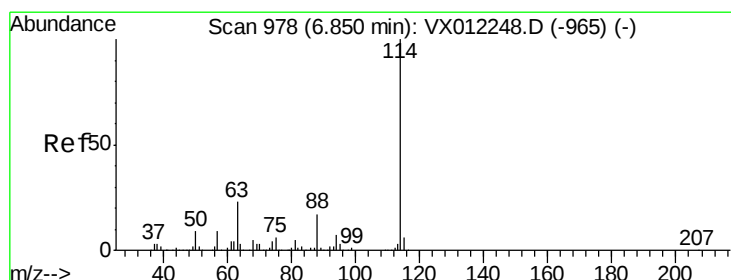
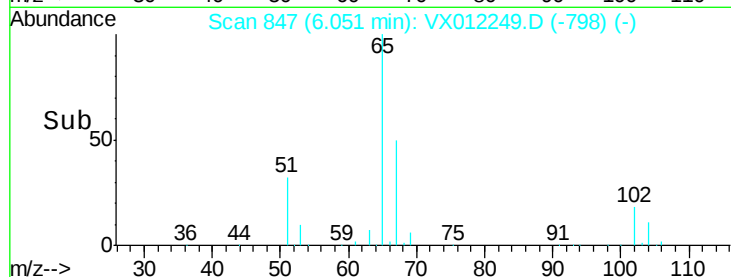
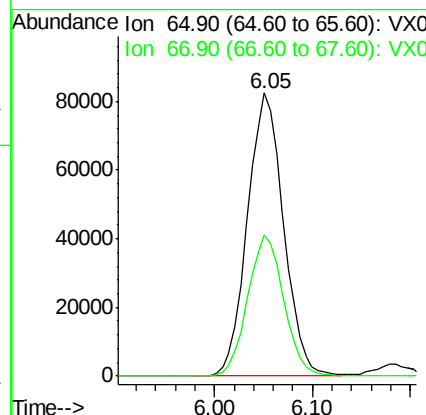
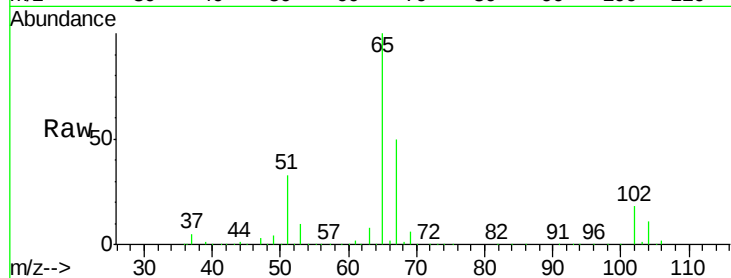
#33
 1,2-Dichloroethane-d4
 Concen: 95.951 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012249.D
 Acq: 10 Sep 2019 10:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	211540		
67	49.7	0.0	99.8	

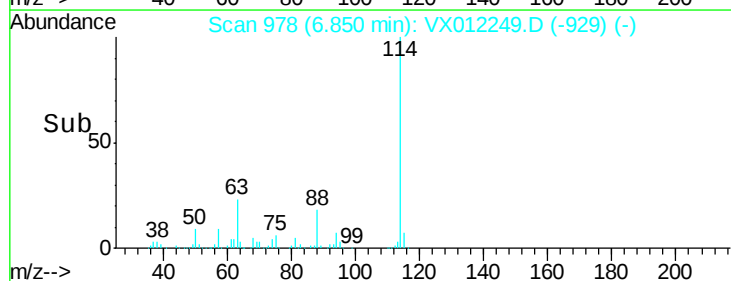
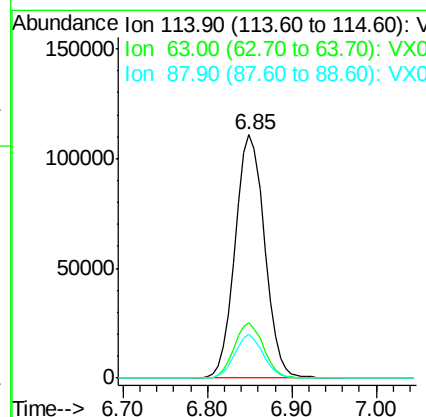
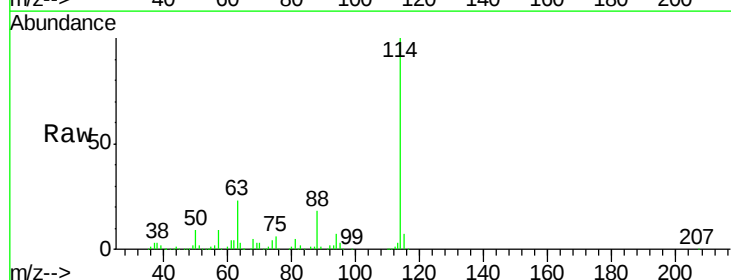
Manual Integrations
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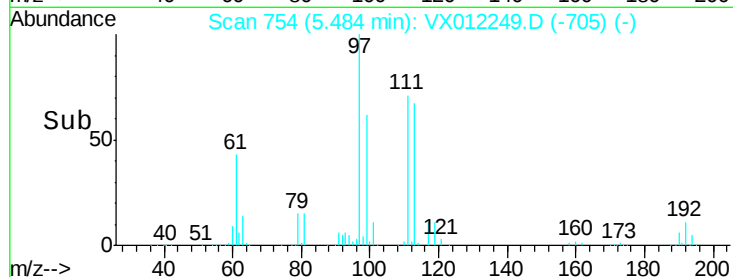
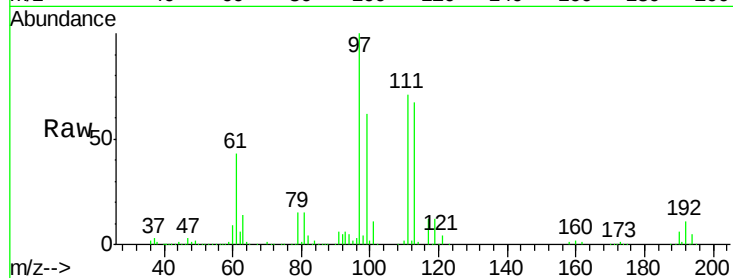
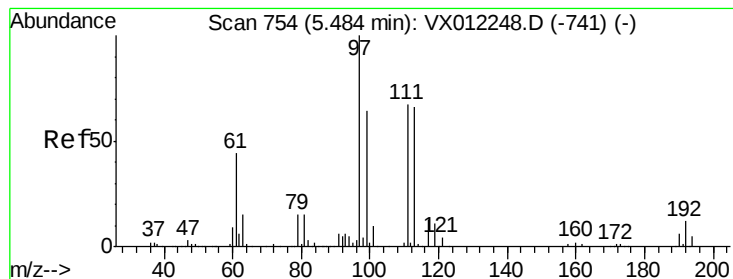
MMDadoda
 9/12/2019 9:00:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012249.D
 Acq: 10 Sep 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	262755		
63	23.0	0.0	45.2	
88	18.2	0.0	34.8	





#35

Dibromofluoromethane

Concen: 96.184 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012249.D

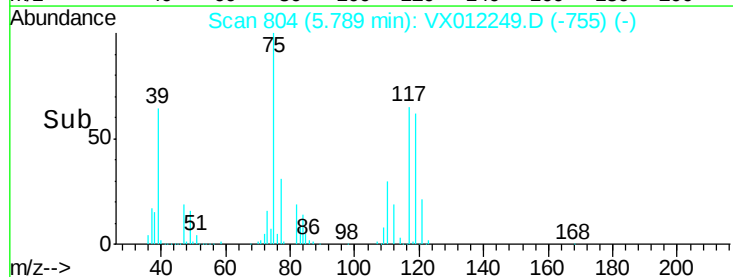
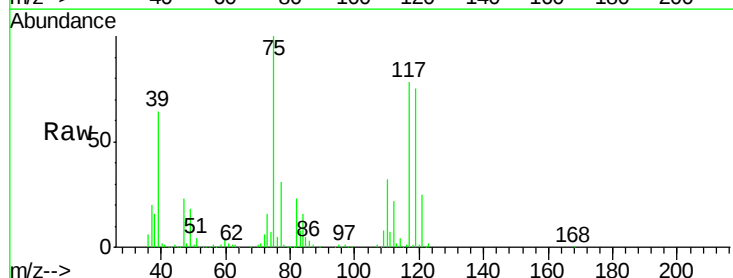
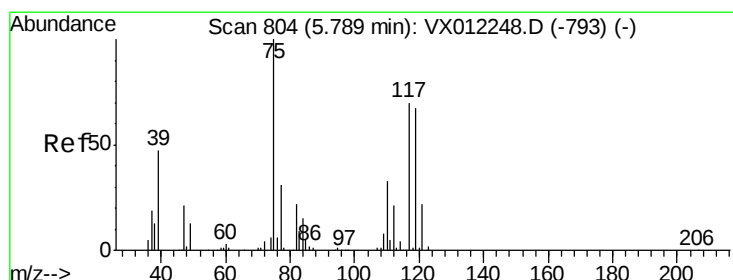
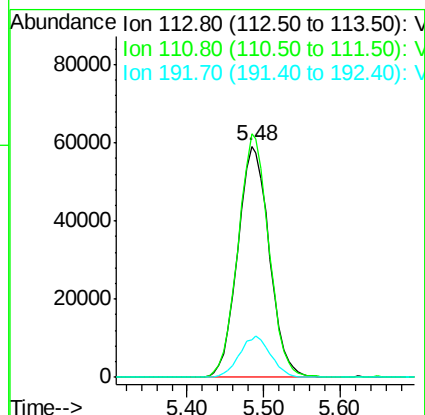
Acq: 10 Sep 2019 10:55

Tot Ion:	113	Resp:	169367
Ion Ratio	Lower	Upper	
113	100		
111	102.7	83.0	124.6
192	17.6	14.3	21.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Manual Integrations
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MMDadoda
9/12/2019 9:00:34 AM



#36

1,1-Dichloropropene

Concen: 95.371 ug/l

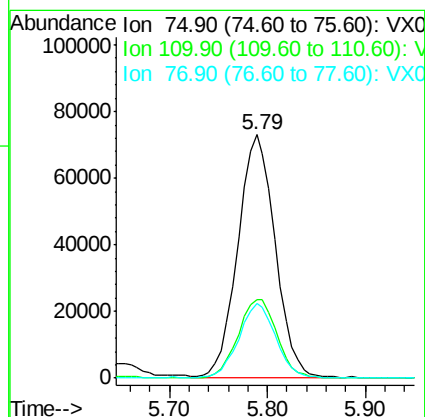
RT: 5.79 min Scan# 804

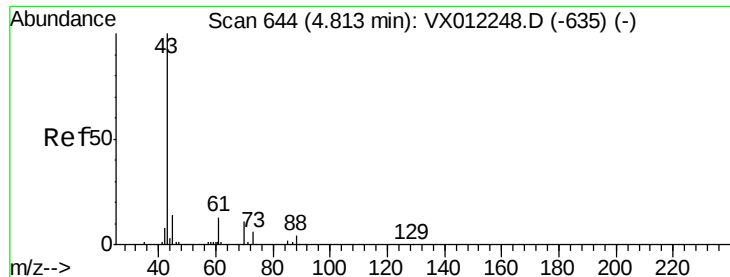
Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Tgt Ion:	75	Resp:	192804
Ion Ratio	Lower	Upper	
75	100		
110	33.9	16.8	50.4
77	30.6	24.5	36.7





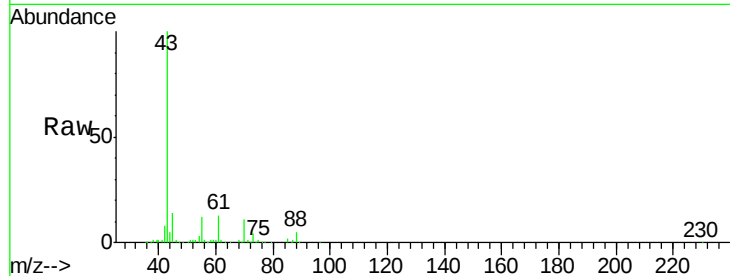
#37
Ethyl Acetate
Concen: 96.051 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.3	15.5
70	10.9	9.1	13.7

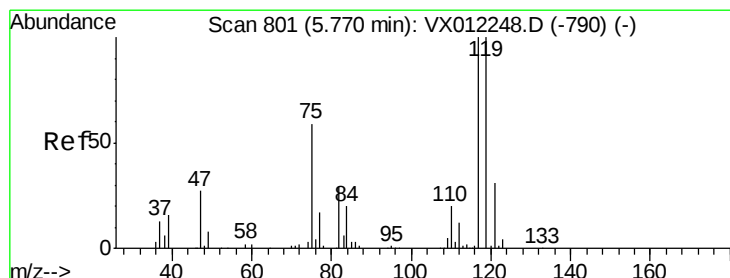
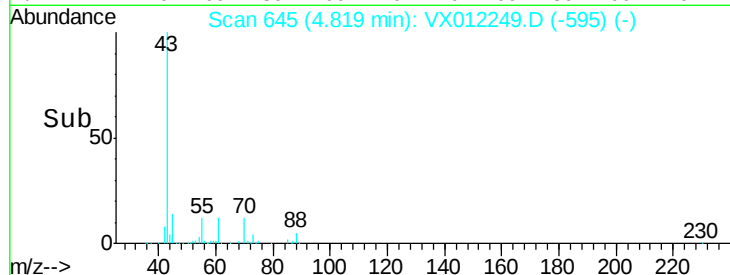
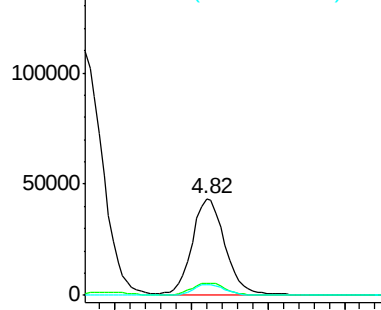
Manual Integrations
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9/12/2019 9:00:34 AM



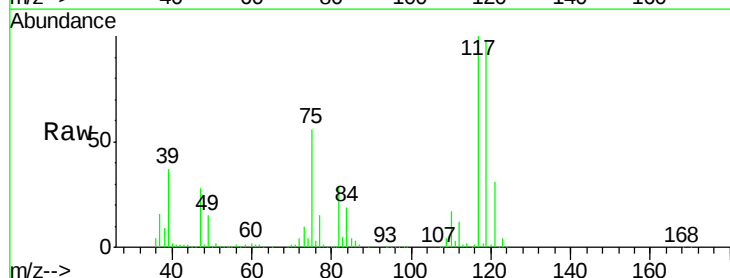
Abundance

Ion 43.00 (42.70 to 43.70): VX012249.D (-595) (-)



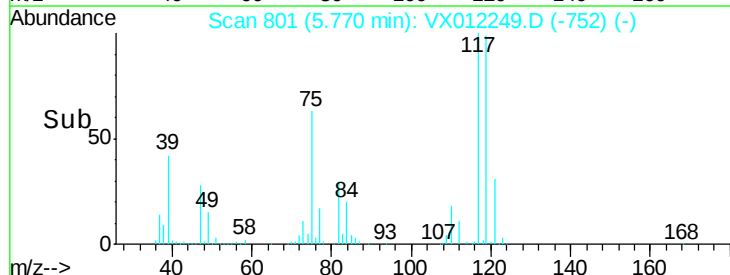
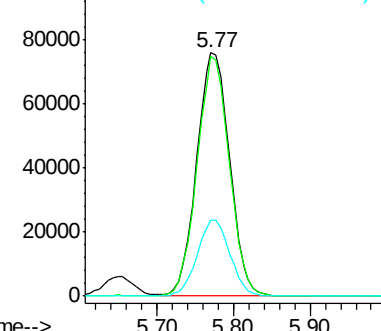
#38
Carbon Tetrachloride
Concen: 97.964 ug/l
RT: 5.77 min Scan# 801
Delta R.T. 0.00 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

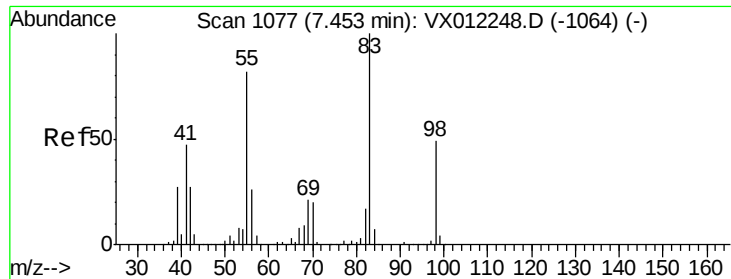
Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	79.6	119.4
121	31.0	24.7	37.1



Abundance

Ion 116.80 (116.50 to 117.50): VX012249.D (-752) (-)





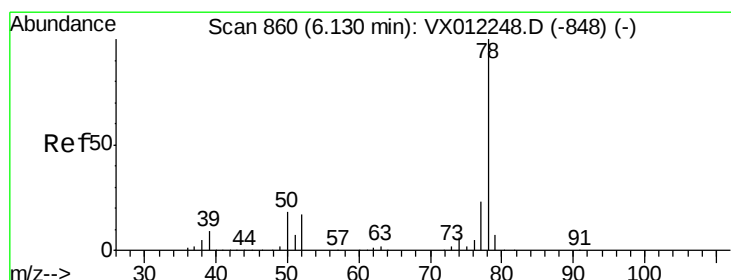
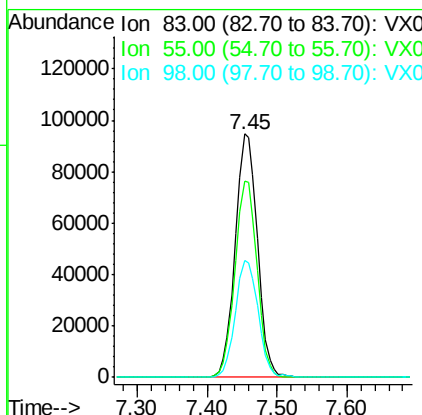
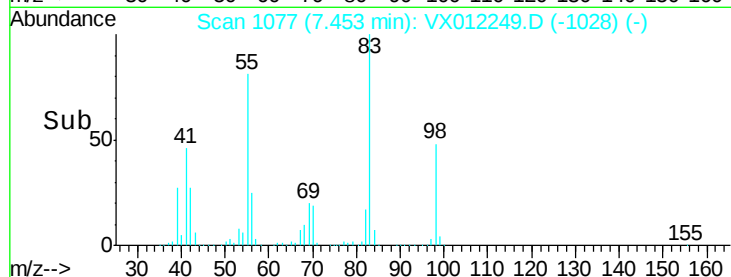
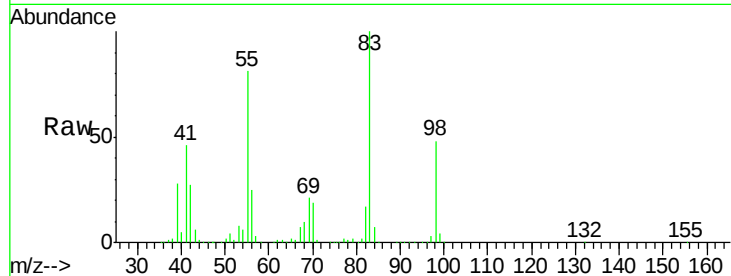
#39
Methvlcvclohexane
Concen: 98.657 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.5	65.4	98.2
98	47.9	39.6	59.4

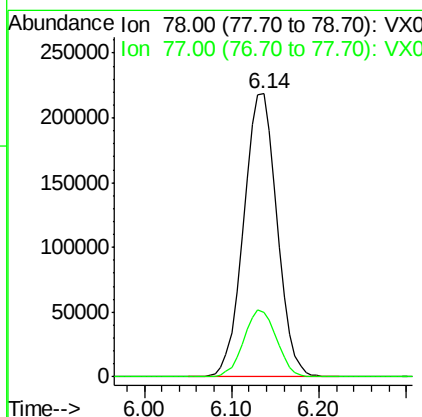
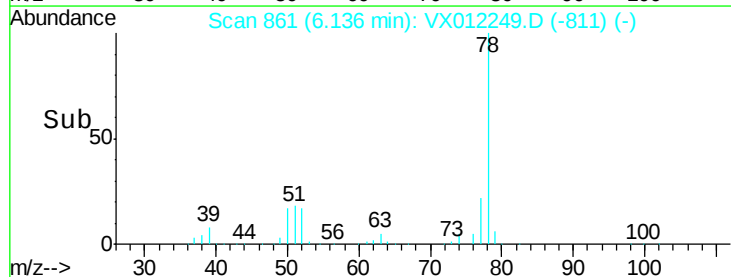
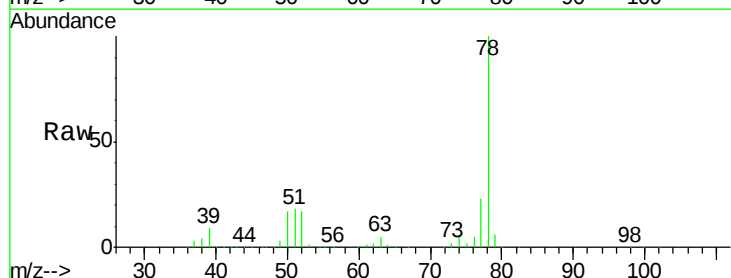
Manual Integrations
APPROVED

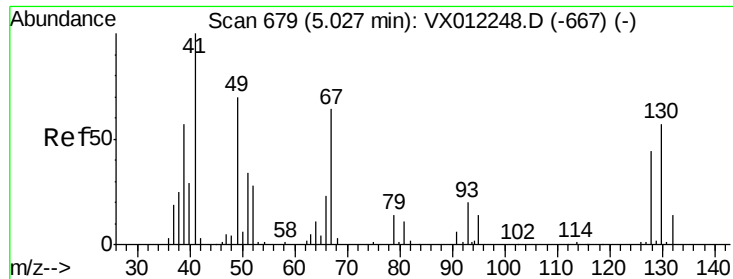
MMDadoda
9/12/2019 9:00:34 AM



#40
Benzene
Concen: 94.540 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.0	27.0





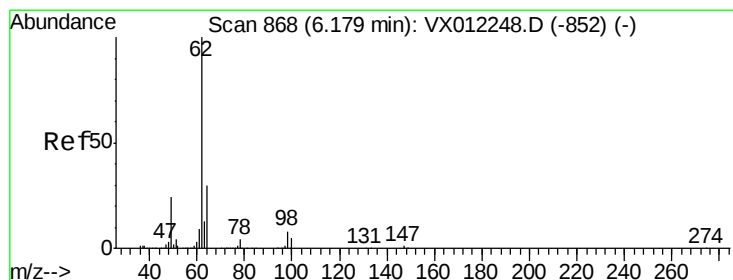
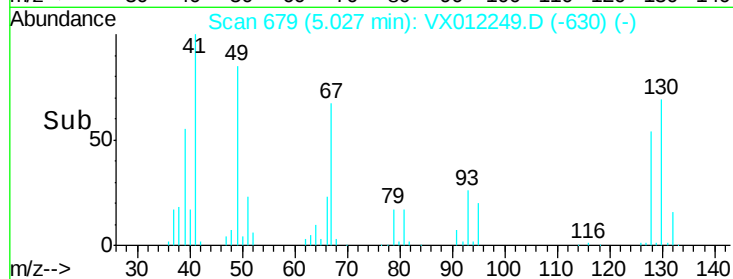
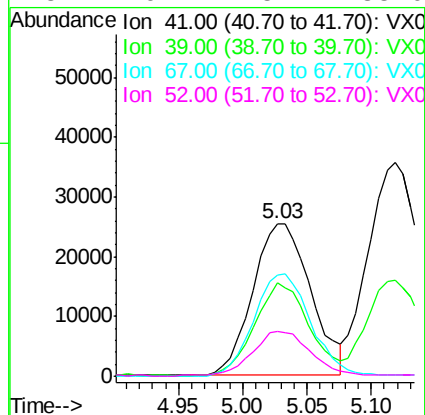
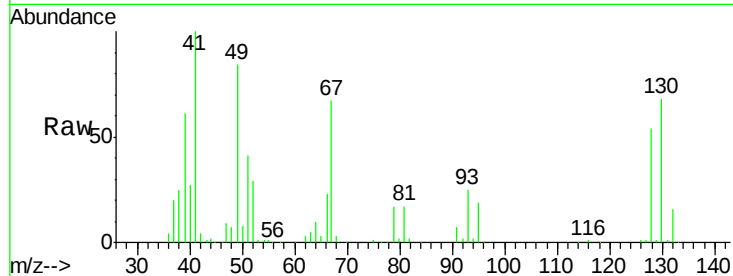
#41
Methacrylonitrile
Concen: 96.230 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:	41	Resp:	79314
Ion Ratio	Lower	Upper	
41	100		
39	57.7	49.0	73.4
67	67.1	55.0	82.4
52	29.4	25.4	38.0

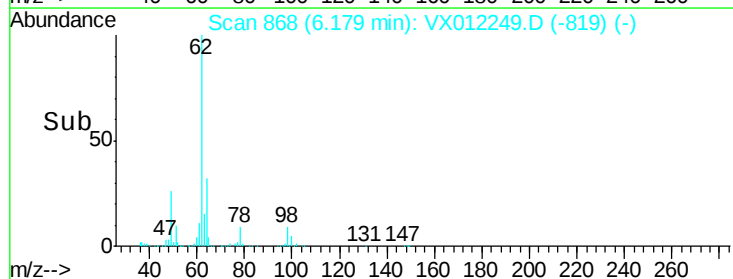
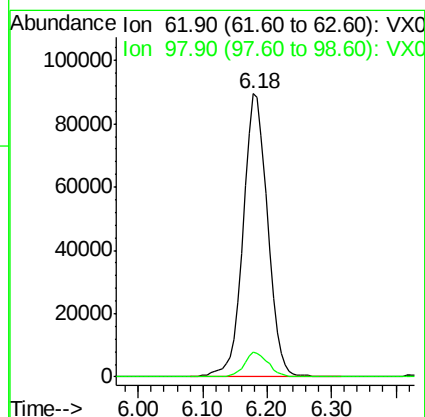
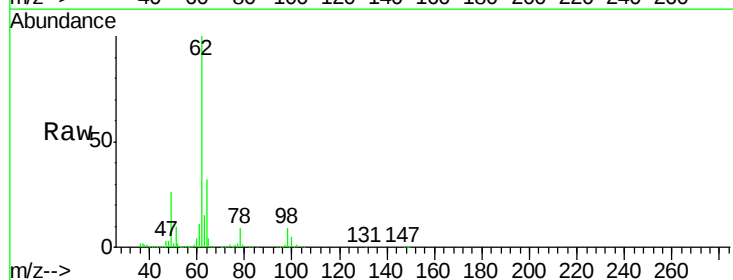
Manual Integrations
APPROVED

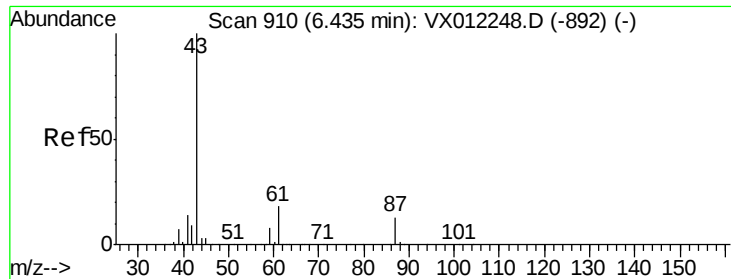
MMDadoda
9/12/2019 9:00:34 AM



#42
1,2-Dichloroethane
Concen: 94.040 ug/l
RT: 6.18 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Tgt Ion:	62	Resp:	233091
Ion Ratio	Lower	Upper	
62	100		
98	8.4	0.0	17.2





#43

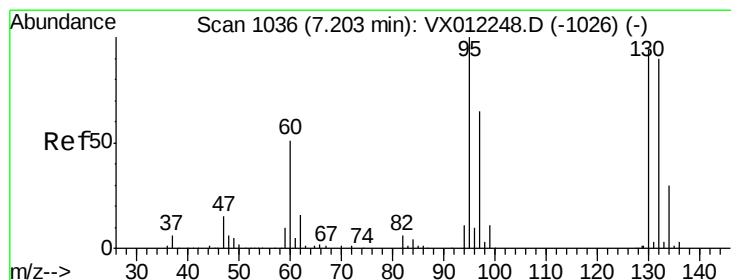
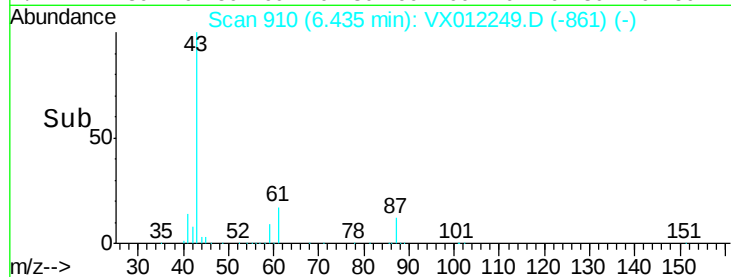
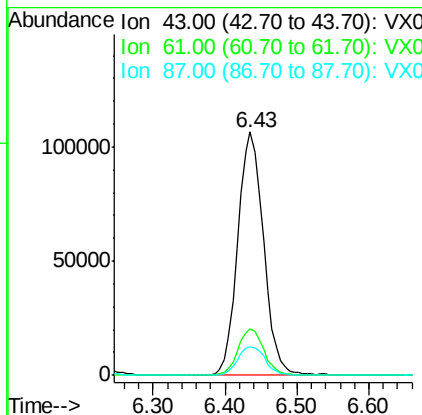
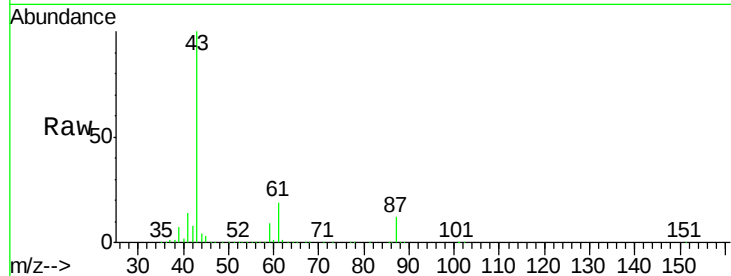
Isopropyl Acetate
 Concen: 95.585 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX012249.D
 Acq: 10 Sep 2019 10:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	43	Resp:	264250
Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.4	23.2
87	12.7	10.5	15.7

Manual Integrations
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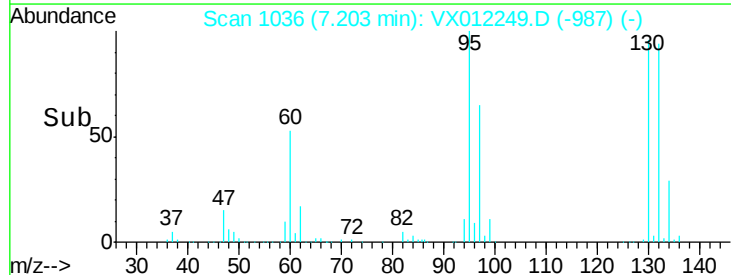
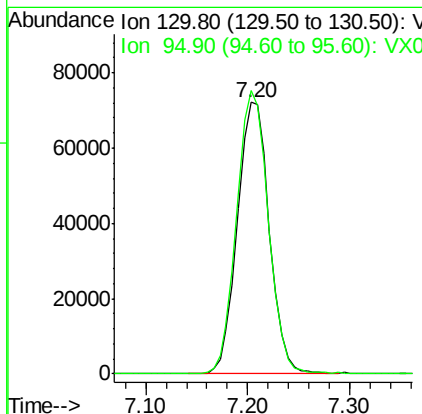
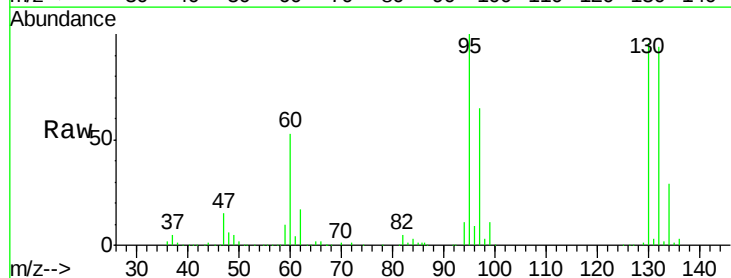
MMDadoda
 9/12/2019 9:00:34 AM

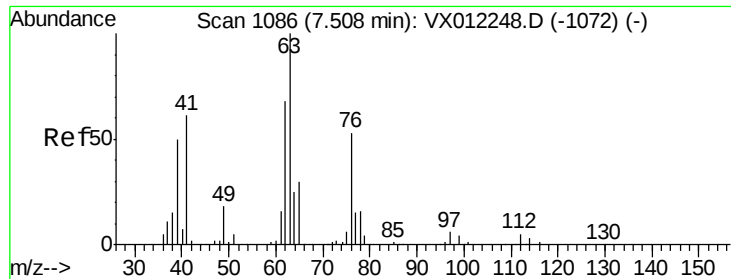


#44

Trichloroethene
 Concen: 94.708 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: VX012249.D
 Acq: 10 Sep 2019 10:55

Tgt Ion:	130	Resp:	156662
Ion	Ratio	Lower	Upper
130	100		
95	104.2	0.0	212.0





#45

1,2-Dichloropropane

Concen: 93.575 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 63 Resp: 162004

Ion Ratio Lower Upper

63 100

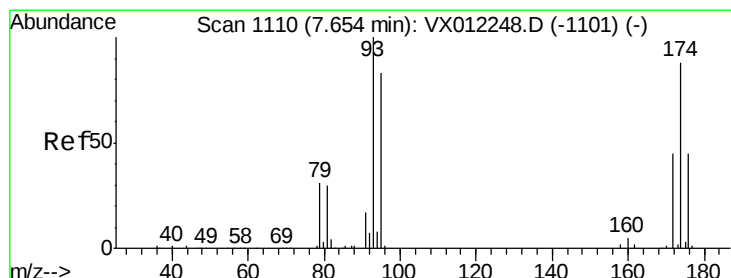
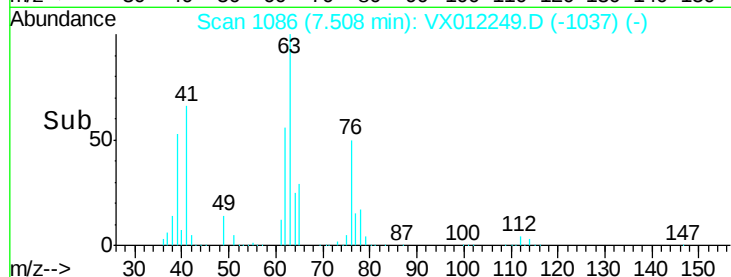
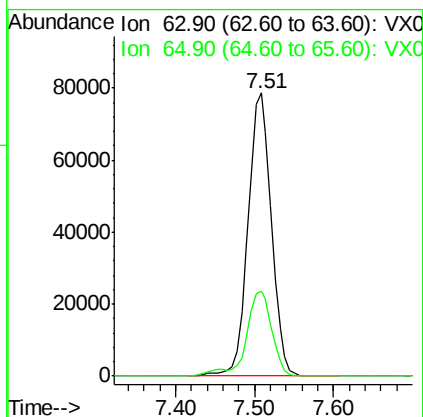
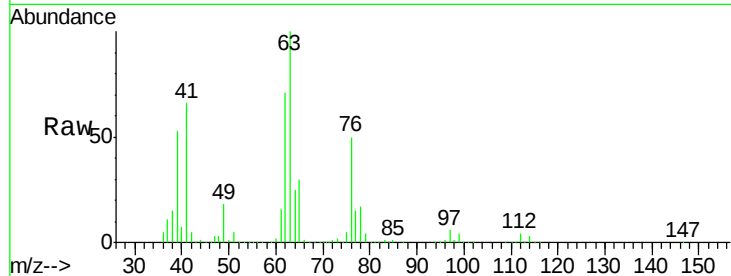
65 30.0 24.3 36.5

Manual Integrations

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MMDadoda

9/12/2019 9:00:34 AM



#46

Dibromomethane

Concen: 94.314 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

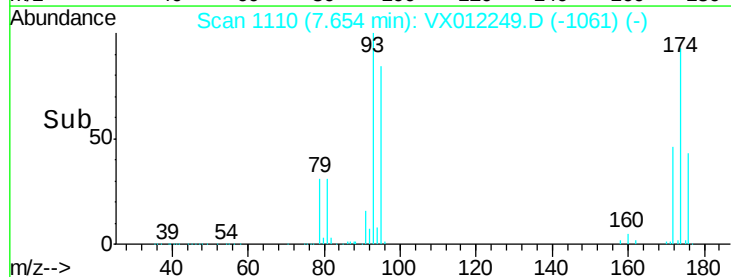
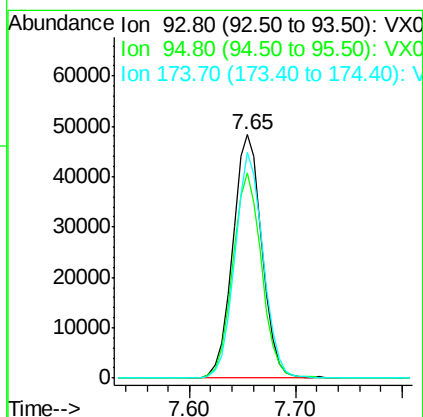
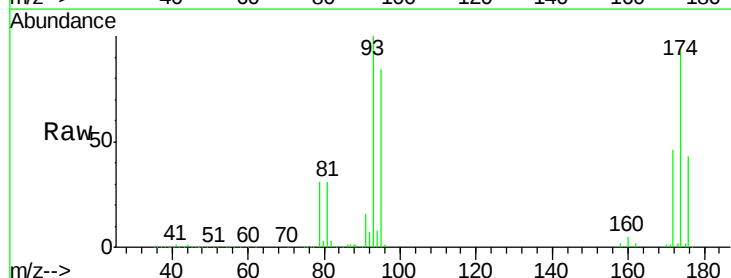
Tgt Ion: 93 Resp: 92866

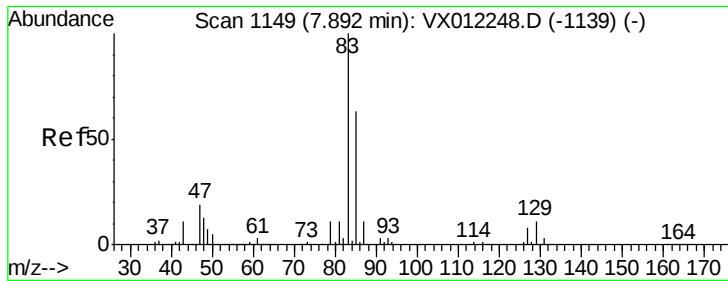
Ion Ratio Lower Upper

93 100

95 83.3 65.7 98.5

174 90.0 71.0 106.4





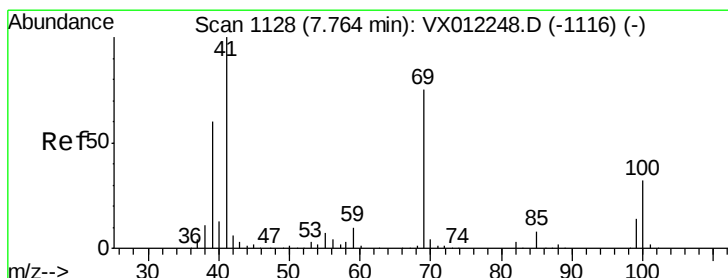
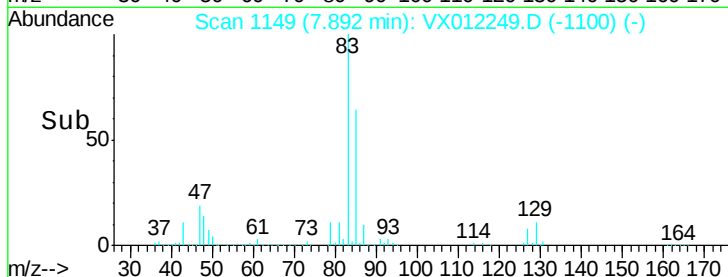
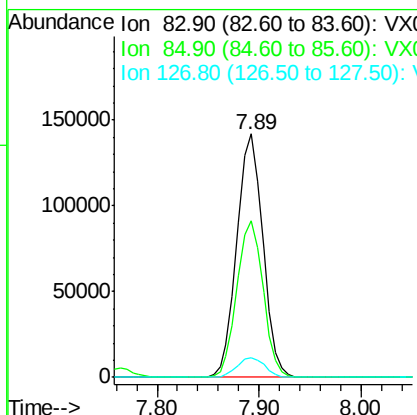
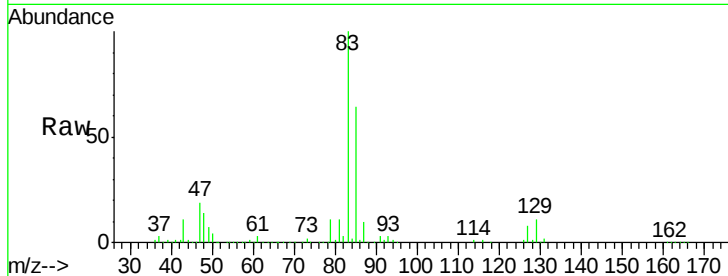
#47
Bromodichloromethane
Concen: 95.371 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	251342
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	50.2	75.4
127	8.3	6.3	9.5

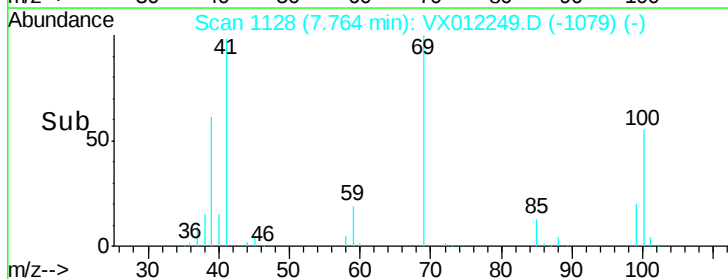
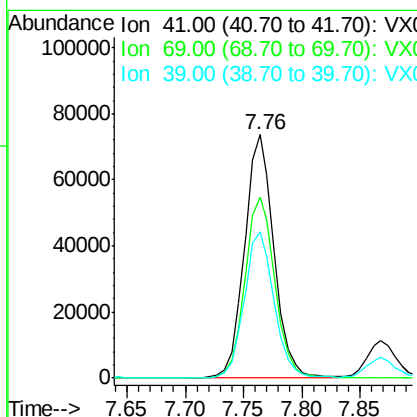
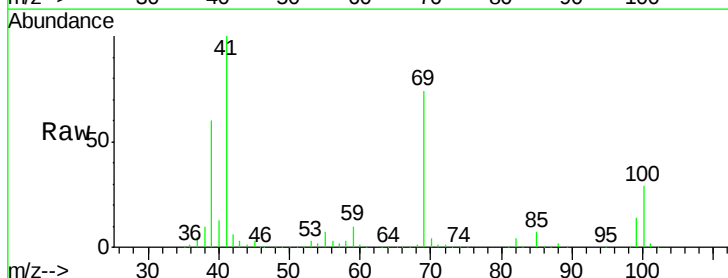
Manual Integrations
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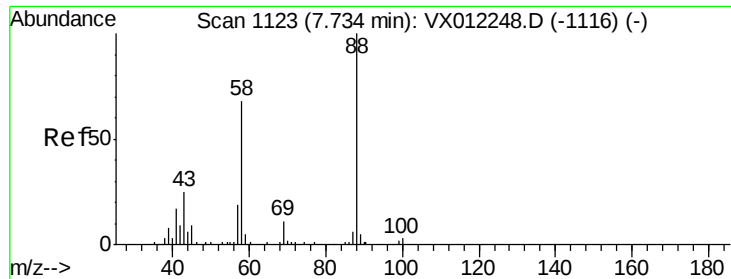
MMDadoda
9/12/2019 9:00:34 AM



#48
Methyl methacrylate
Concen: 97.287 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Tgt Ion	41	Resp	129245
Ion Ratio	100	Lower	Upper
41	100		
69	76.3	61.8	92.6
39	60.7	48.6	73.0





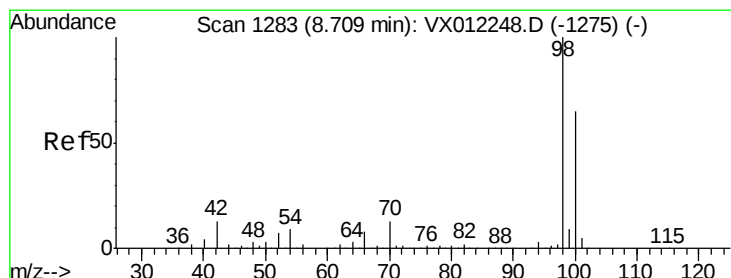
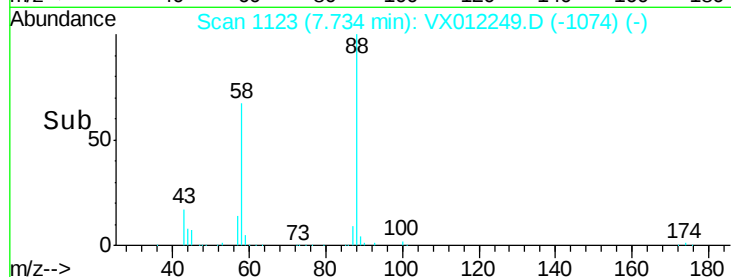
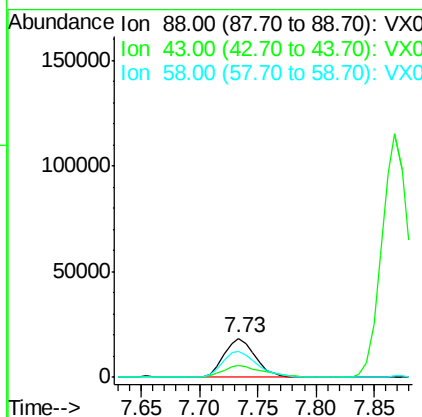
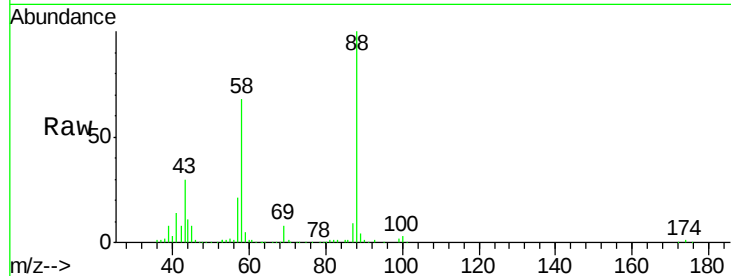
#49
1,4-Dioxane
Concen: 1864.278 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.2	31.0	46.4
58	73.8	61.5	92.3

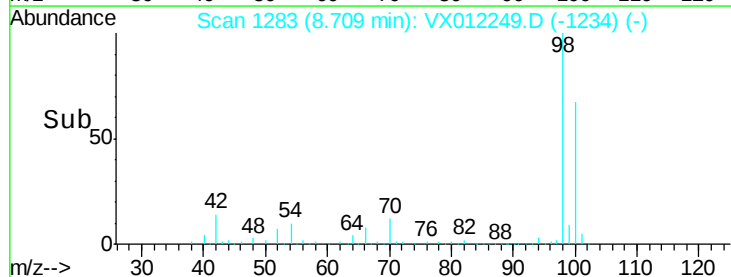
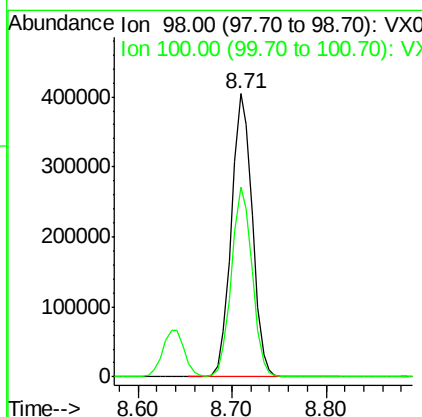
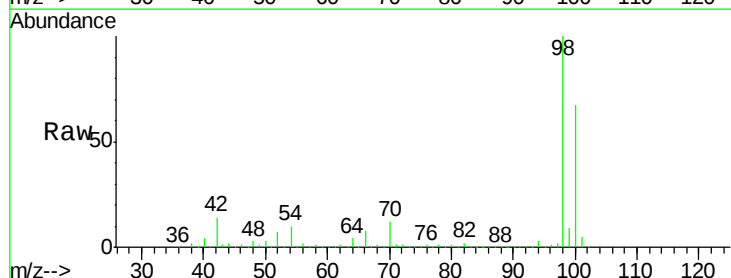
Manual Integrations
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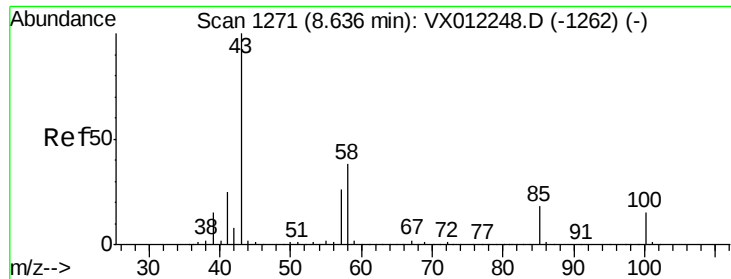
MMDadoda
9/12/2019 9:00:34 AM



#50
Toluene-d8
Concen: 100.950 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	54.1	81.1





#51

4-Methyl-2-Pentanone

Concen: 484.878 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 697435

Ion Ratio Lower Upper

43 100

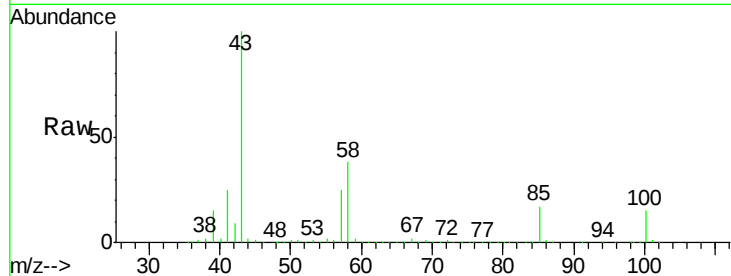
58 37.7 30.1 45.1

Manual Integrations

APPROVED

MMDadoda

9/12/2019 9:00:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

400000

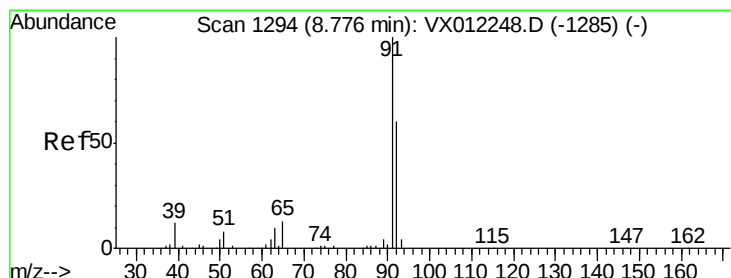
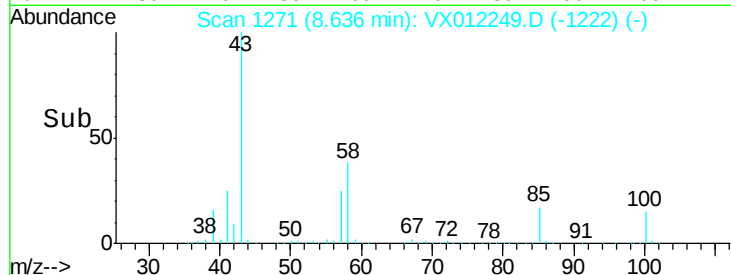
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 94.512 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX012249.D

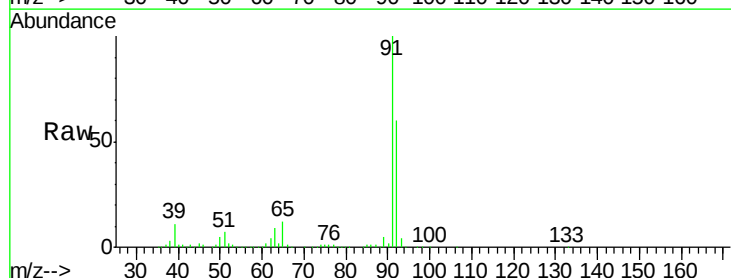
Acq: 10 Sep 2019 10:55

Tgt Ion: 92 Resp: 385031

Ion Ratio Lower Upper

92 100

91 169.8 133.6 200.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

400000

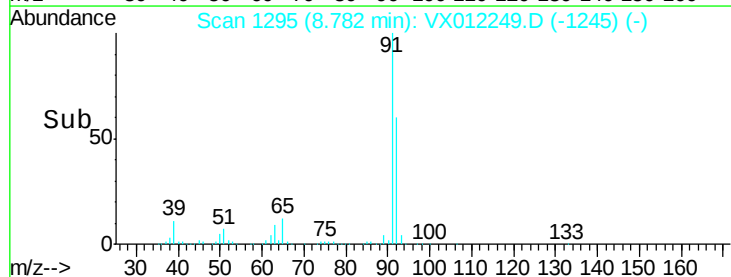
300000

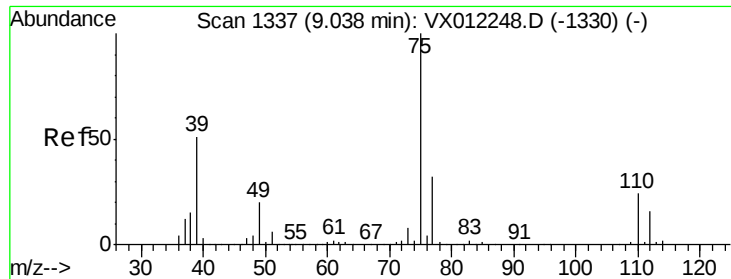
200000

100000

0

Time-->





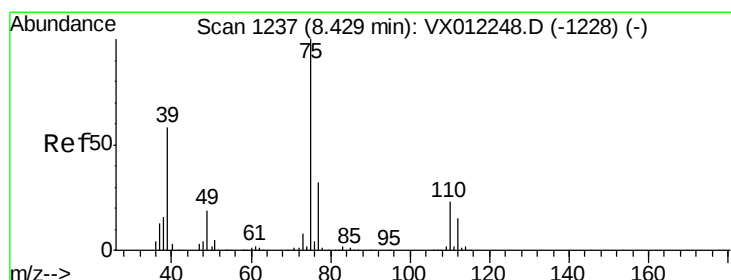
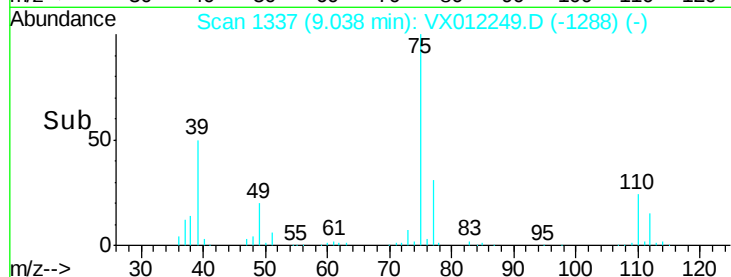
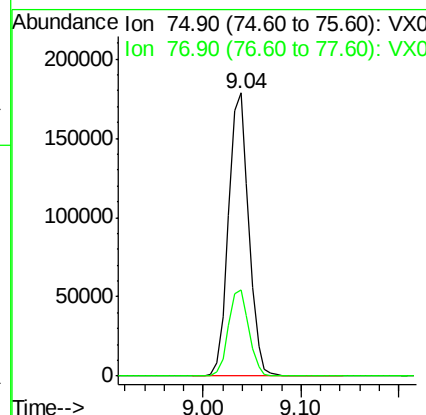
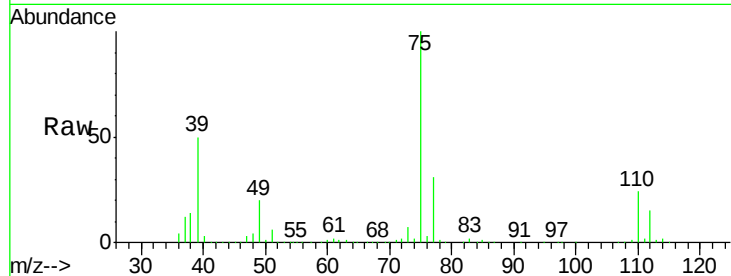
#53
t-1,3-Dichloropropene
Concen: 97.583 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.8	38.6

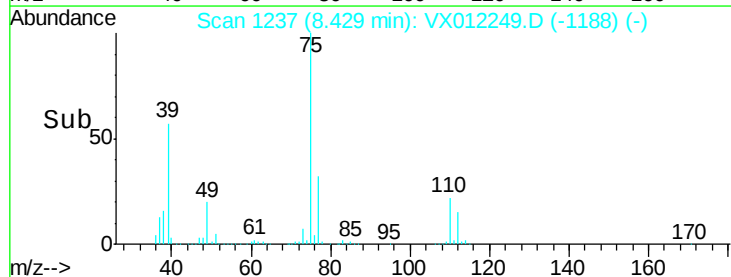
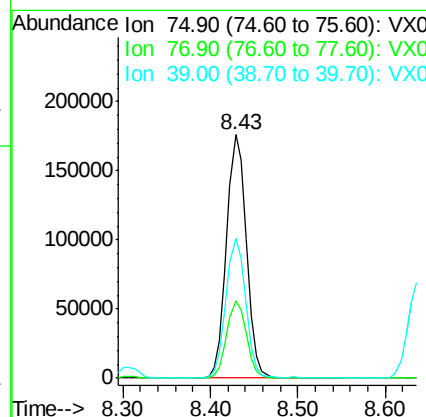
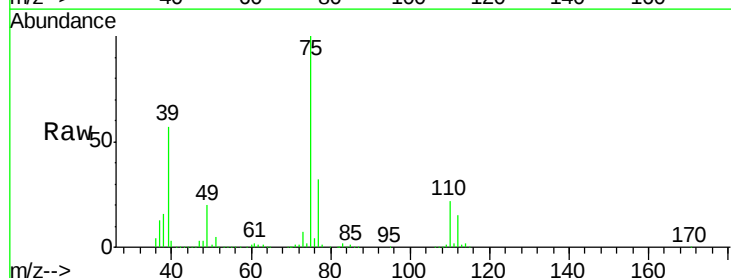
Manual Integrations
APPROVED

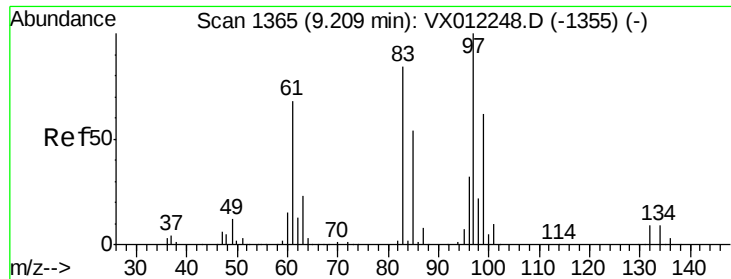
MMDadoda
9/12/2019 9:00:34 AM



#54
cis-1,3-Dichloropropene
Concen: 96.461 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2
39	57.3	46.5	69.7





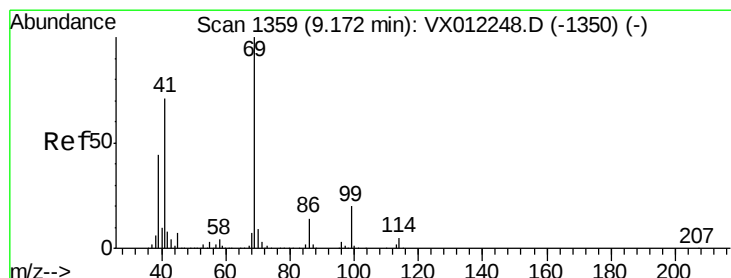
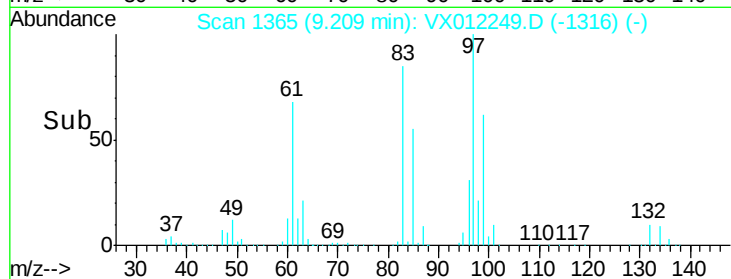
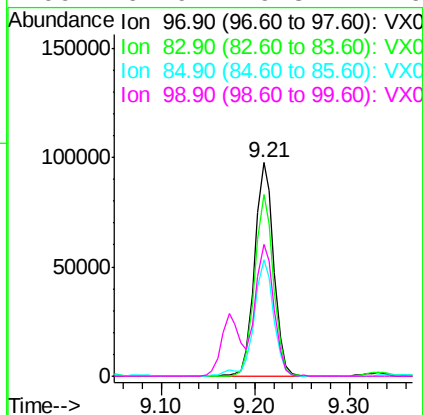
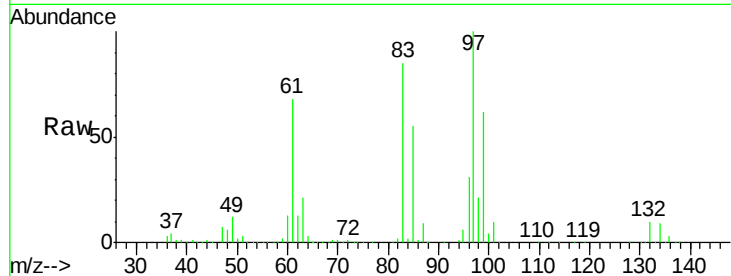
#55
 1,1,2-Trichloroethane
 Concen: 94.264 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012249.D
 Acq: 10 Sep 2019 10:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	140869
Ion Ratio	Lower	Upper	
97	100		
83	85.0	67.4	101.2
85	54.5	43.4	65.2
99	61.9	49.8	74.6

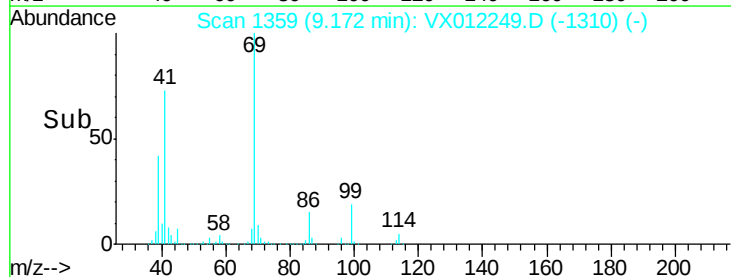
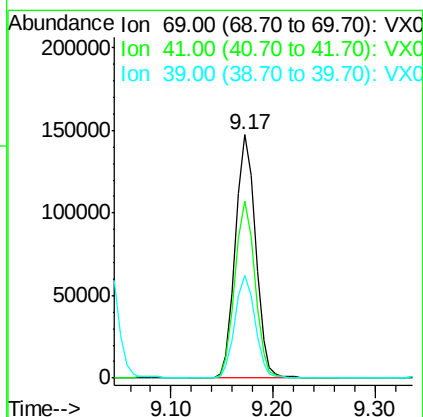
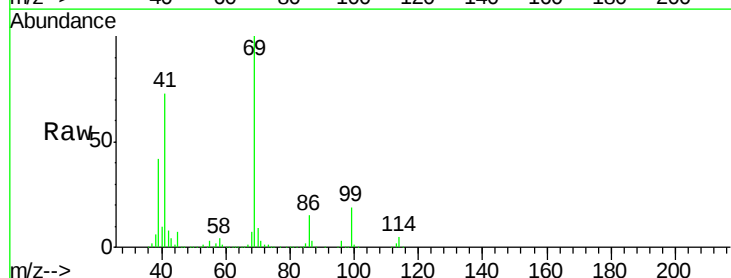
Manual Integrations
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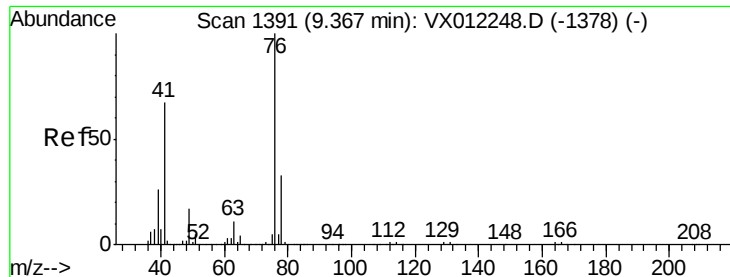
MMDadoda
 9/12/2019 9:00:34 AM



#56
 Ethyl methacrylate
 Concen: 96.424 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012249.D
 Acq: 10 Sep 2019 10:55

Tgt Ion:	69	Resp:	201450
Ion Ratio	Lower	Upper	
69	100		
41	71.9	57.7	86.5
39	41.7	34.0	51.0





#57

1,3-Dichloropropane

Concen: 93.508 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 238862

Ion Ratio Lower Upper

76 100

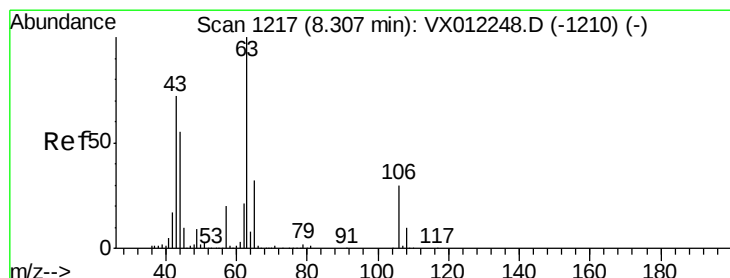
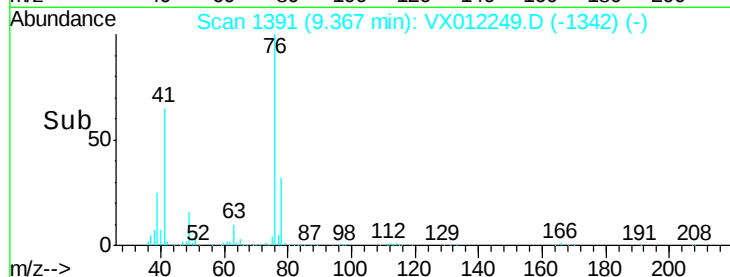
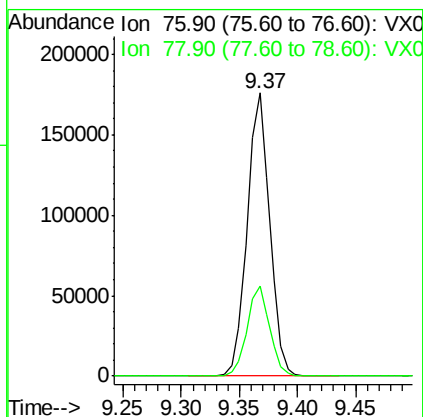
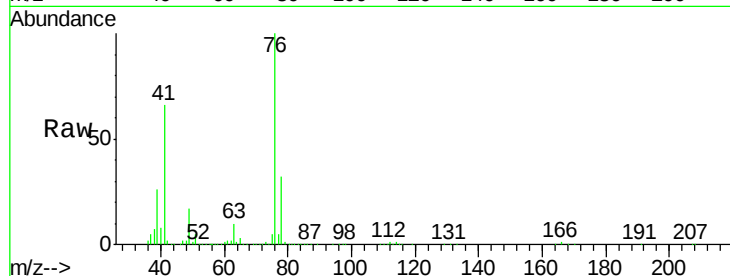
78 32.0 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

9/12/2019 9:00:34 AM



#58

2-Chloroethyl Vinyl ether

Concen: 505.972 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012249.D

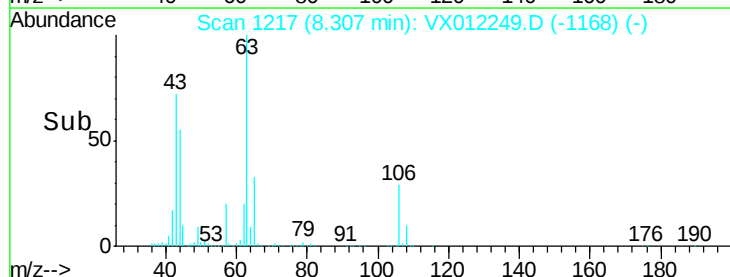
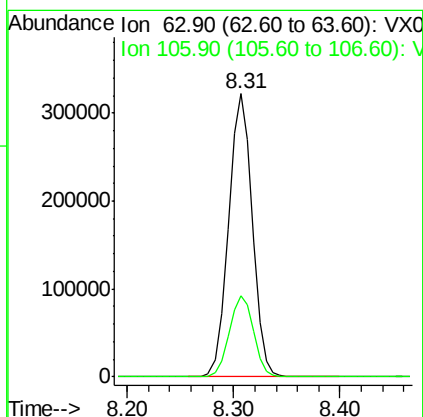
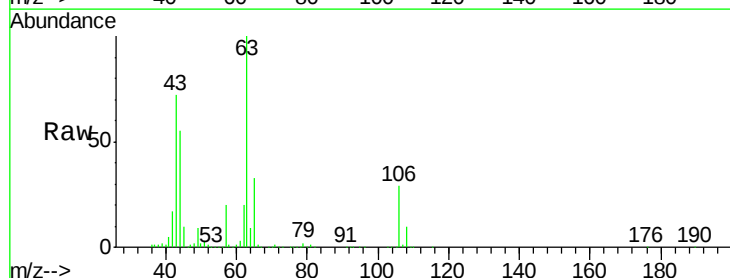
Acq: 10 Sep 2019 10:55

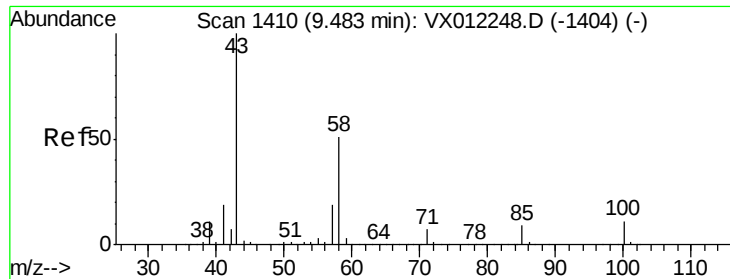
Tgt Ion: 63 Resp: 501976

Ion Ratio Lower Upper

63 100

106 29.2 23.4 35.2





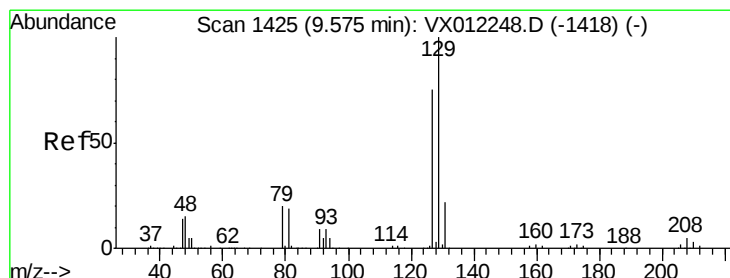
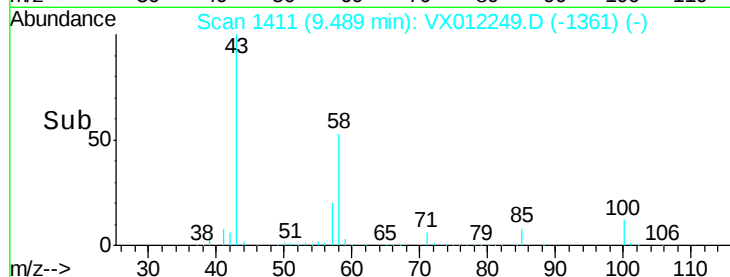
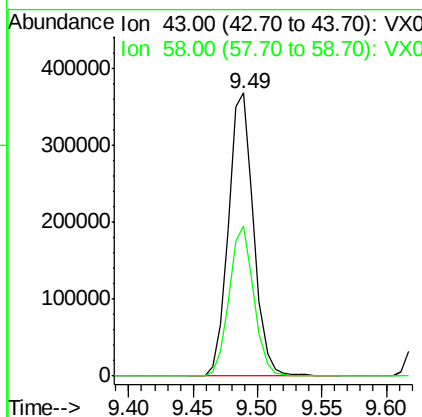
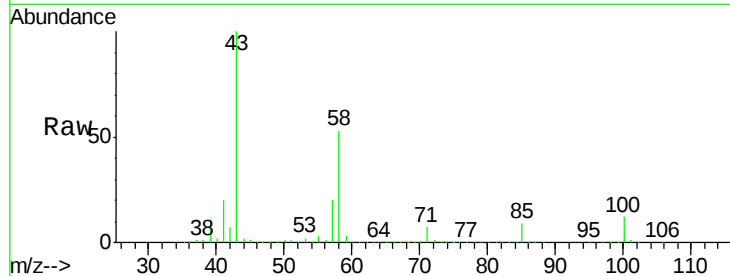
#59
2-Hexanone
Concen: 493.904 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 504744
Ion Ratio Lower Upper
43 100
58 52.0 25.8 77.3

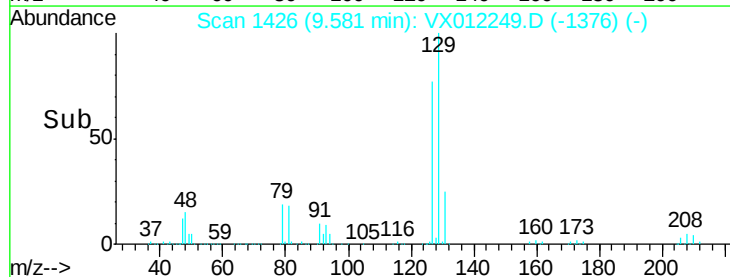
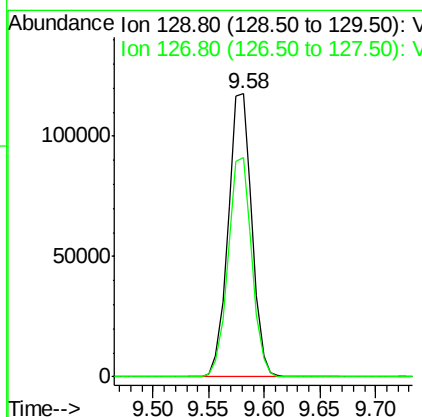
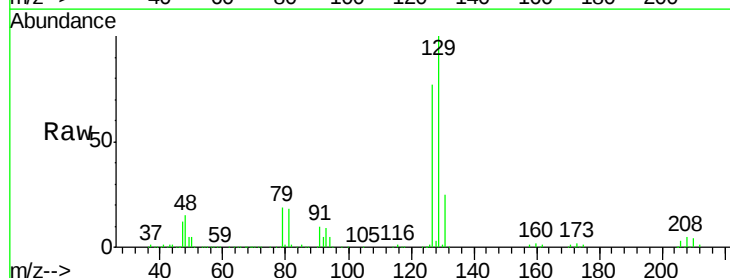
Manual Integrations
APPROVED

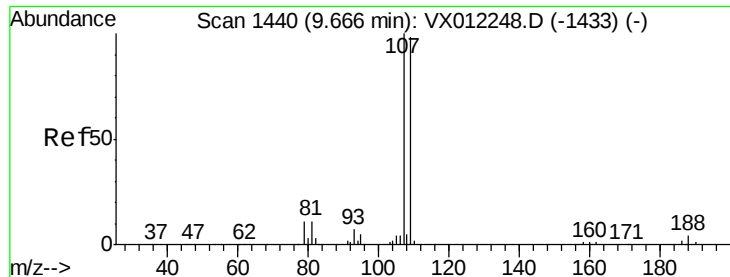
MMDadoda
9/12/2019 9:00:34 AM



#60
Dibromochloromethane
Concen: 97.515 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.01 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Tgt Ion: 129 Resp: 172846
Ion Ratio Lower Upper
129 100
127 77.3 38.1 114.3





#61

1,2-Dibromoethane

Concen: 94.162 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 107 Resp: 131205

Ion Ratio Lower Upper

107 100

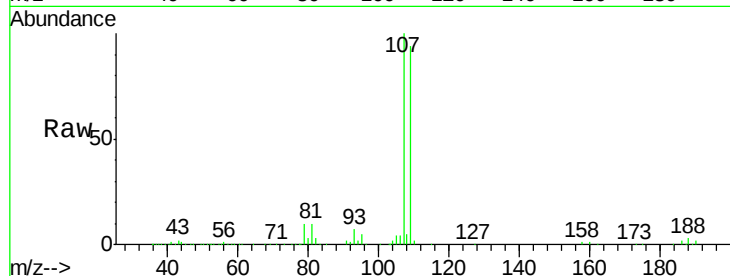
109 94.0 76.3 114.5

Manual Integrations

APPROVED

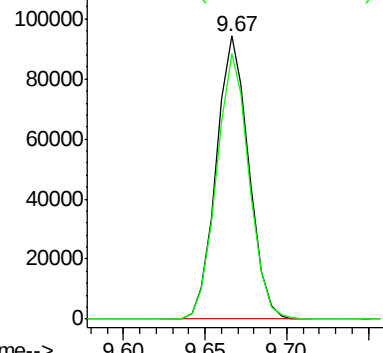
MMDadoda

9/12/2019 9:00:34 AM

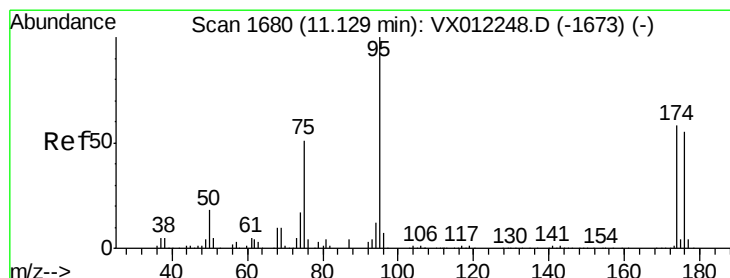
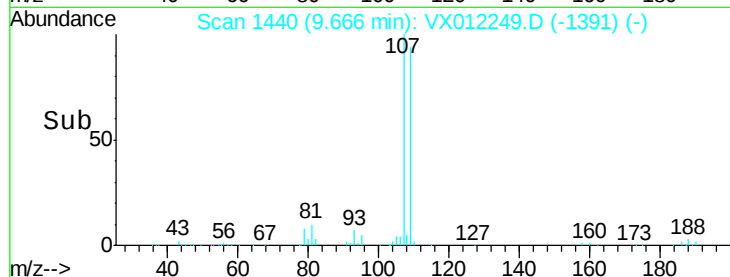


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 93.752 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

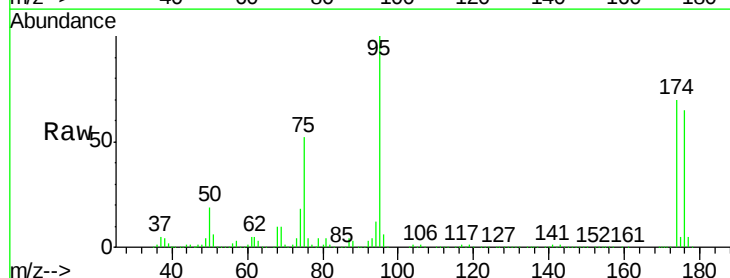
Tgt Ion: 95 Resp: 268005

Ion Ratio Lower Upper

95 100

174 66.4 0.0 127.0

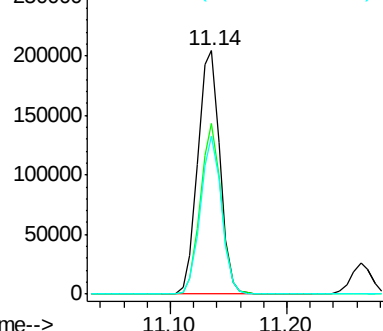
176 62.2 0.0 125.8



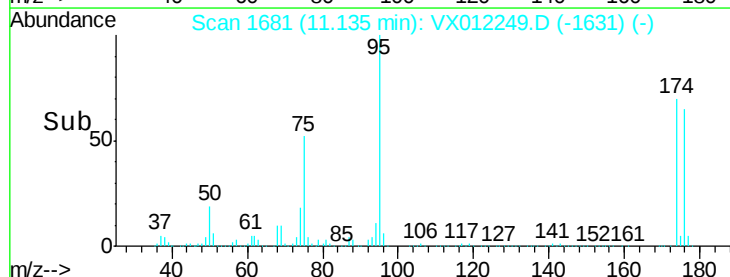
Abundance Ion 94.90 (94.60 to 95.60): VX0

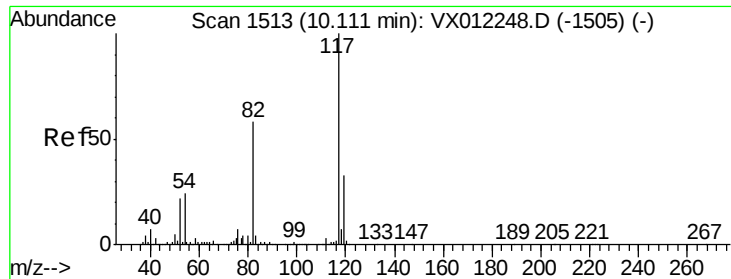
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





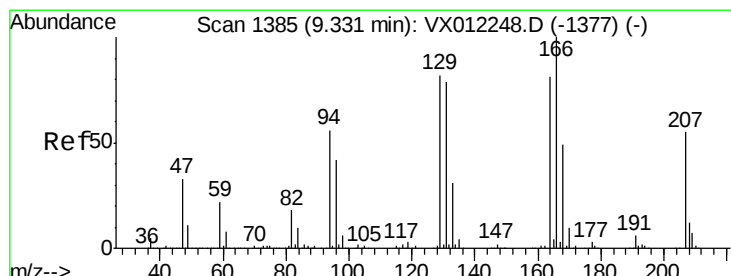
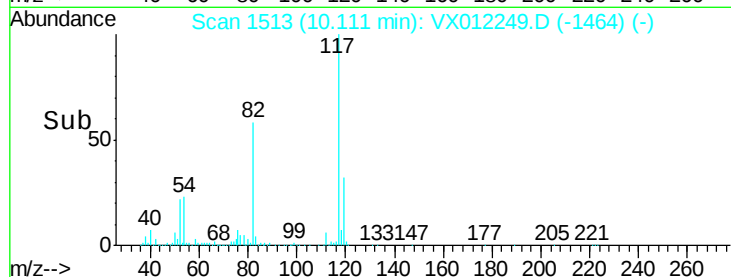
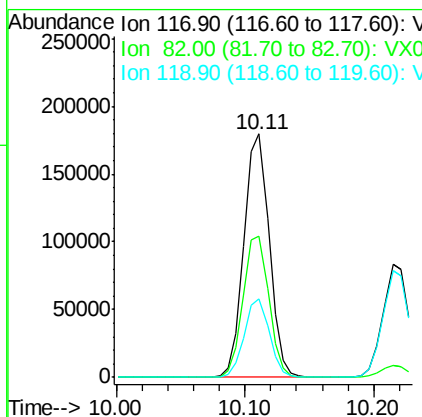
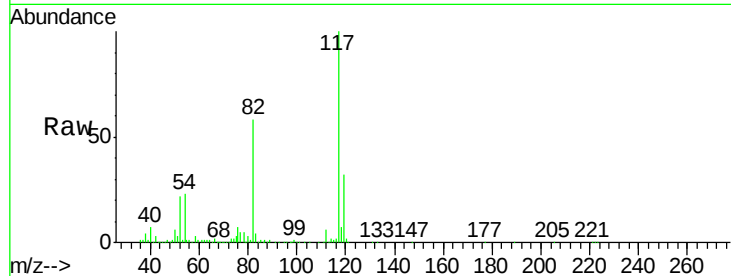
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.4	69.6
119	32.4	26.6	39.8

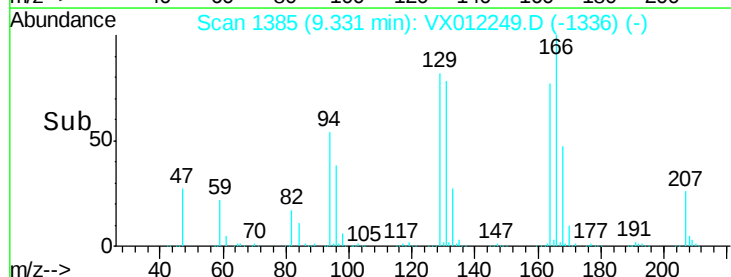
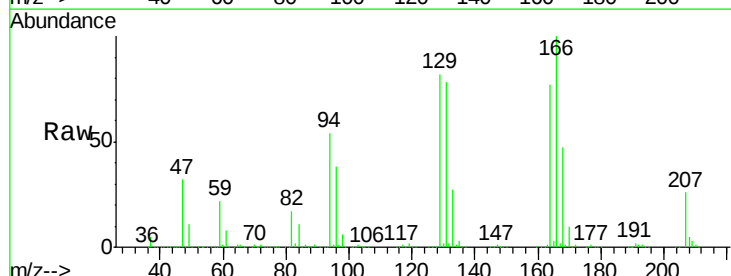
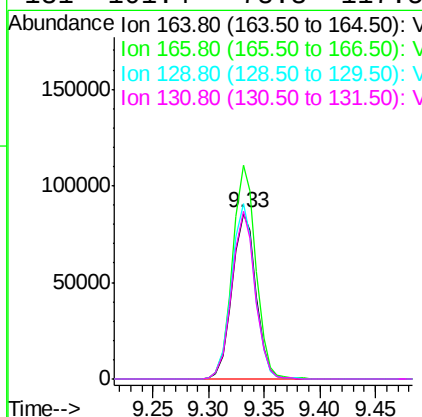
Manual Integrations
APPROVED

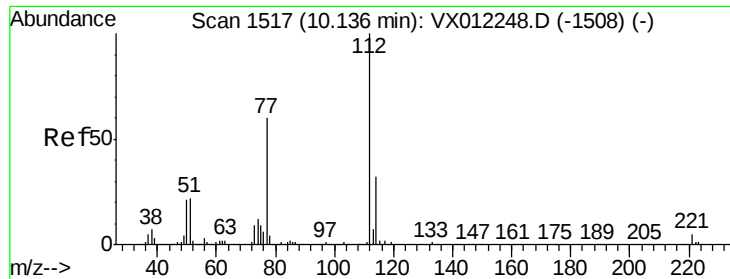
MMDadoda
9/12/2019 9:00:34 AM



#64
Tetrachloroethene
Concen: 93.000 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	99.4	149.0
129	105.9	81.8	122.8
131	101.4	78.3	117.5





#65

Chlorobenzene

Concen: 91.620 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 447138

Ion Ratio Lower Upper

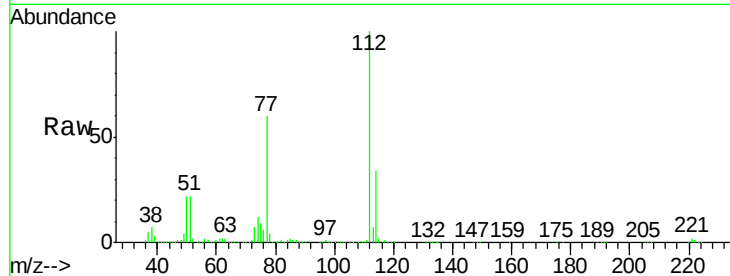
112 100

114 33.6 25.4 38.0

Manual Integrations
APPROVED

MMDadoda

9/12/2019 9:00:34 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

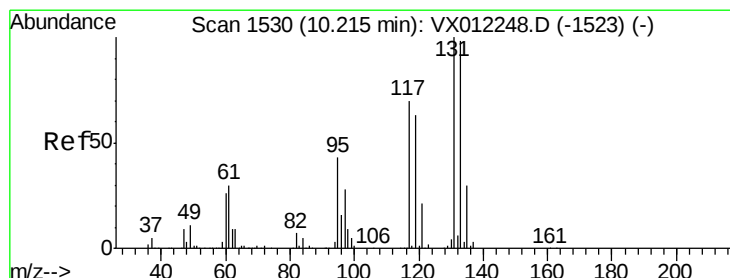
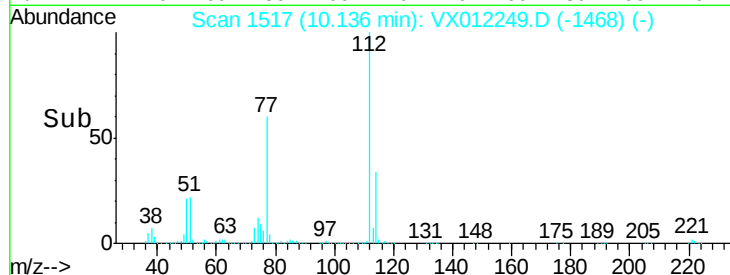
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 94.480 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

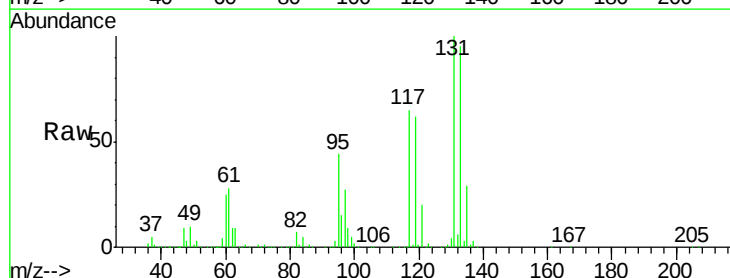
Tgt Ion:131 Resp: 176556

Ion Ratio Lower Upper

131 100

133 94.7 48.0 144.2

119 62.7 31.6 95.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.21

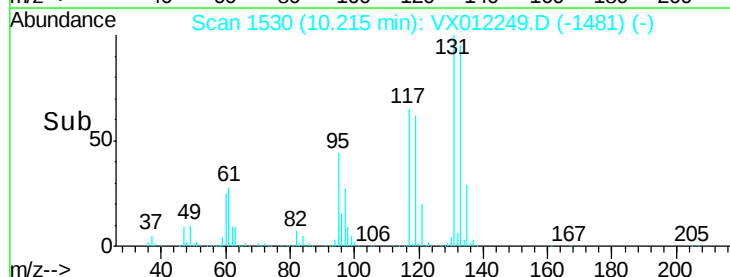
150000

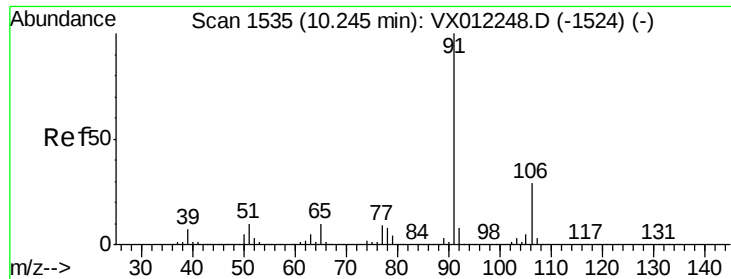
100000

50000

0

Time-->





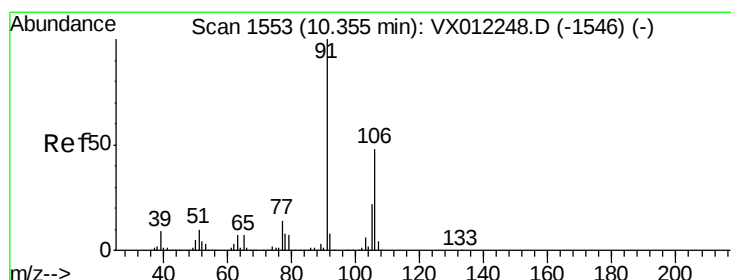
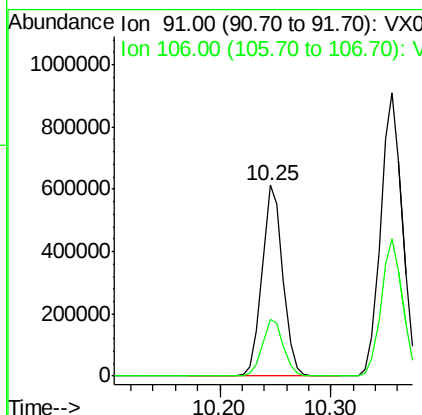
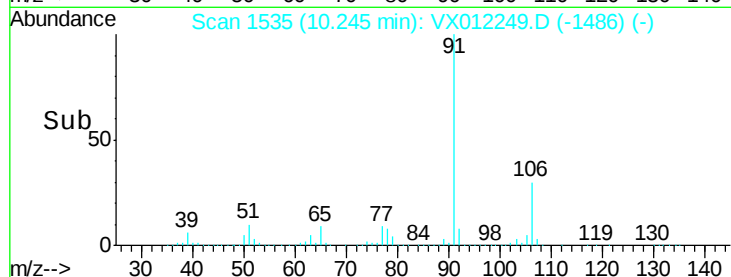
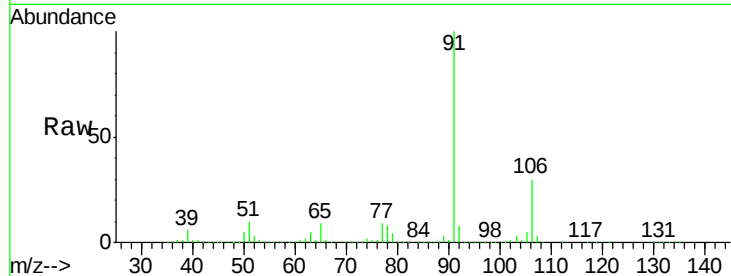
#67
Ethyl Benzene
Concen: 94.131 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 805777
Ion Ratio Lower Upper
91 100
106 29.7 23.1 34.7

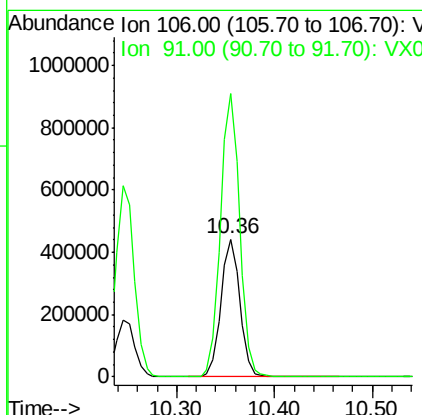
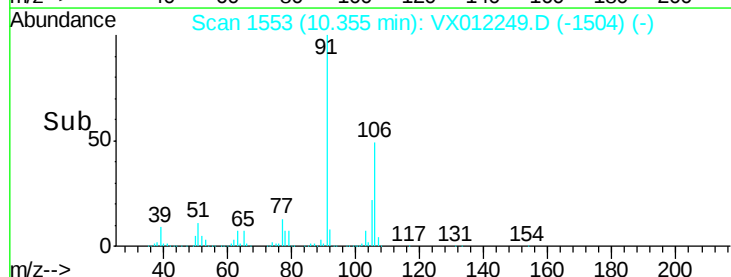
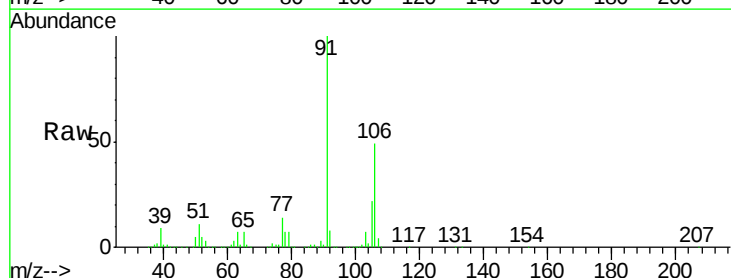
Manual Integrations
APPROVED

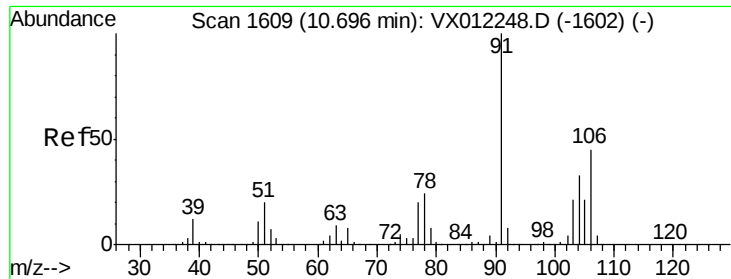
MMDadoda
9/12/2019 9:00:34 AM



#68
m/p-Xylenes
Concen: 187.946 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Tgt Ion: 106 Resp: 593368
Ion Ratio Lower Upper
106 100
91 208.5 167.0 250.6





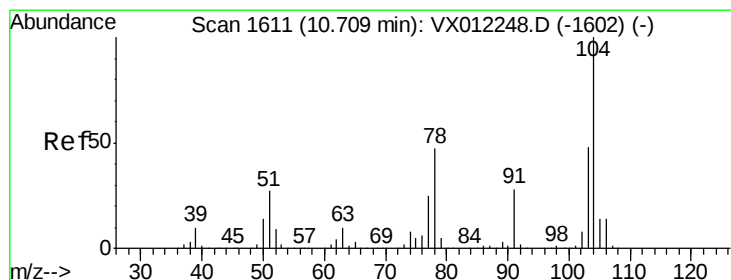
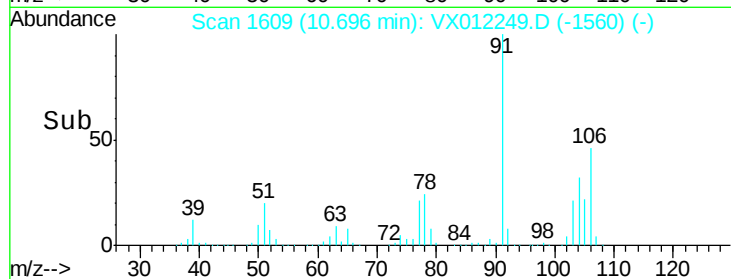
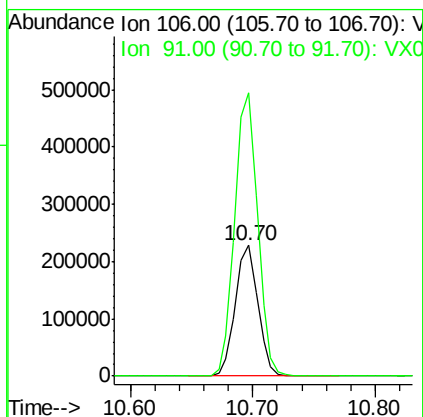
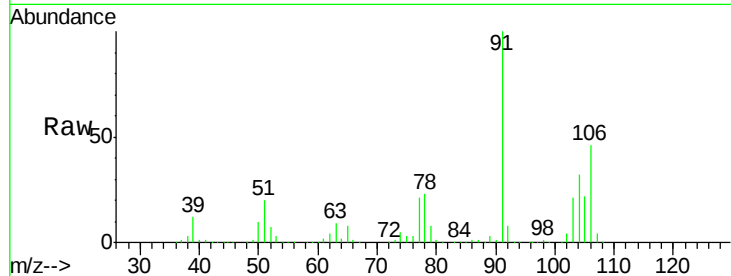
#69
o-Xylene
Concen: 94.642 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		291534		
91	219.4	110.5	331.4		

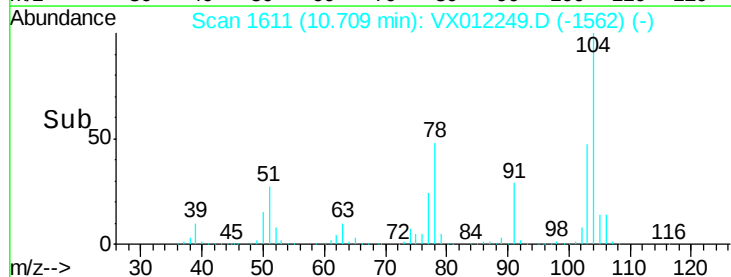
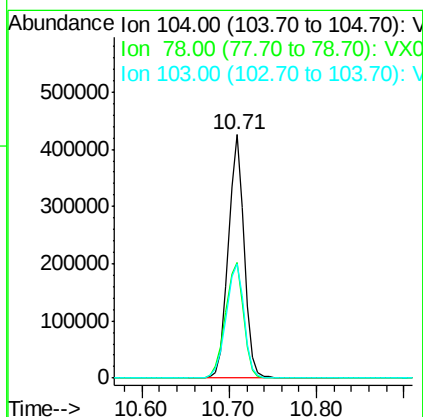
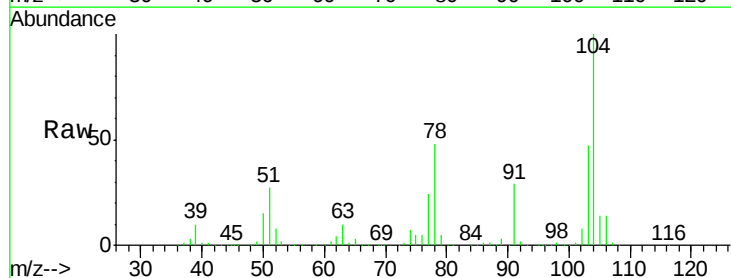
Manual Integrations
APPROVED

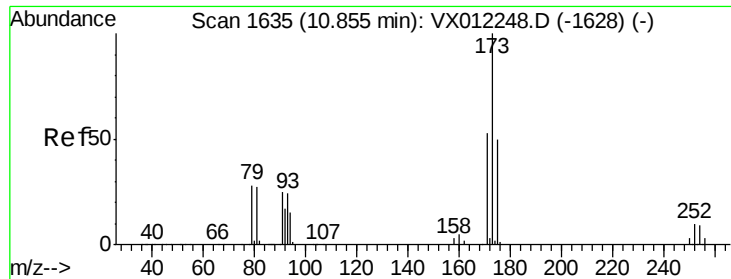
MMDadoda
9/12/2019 9:00:34 AM



#70
Styrene
Concen: 96.140 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		532536		
78	54.7	44.2	66.2		
103	53.3	42.5	63.7		





#71

Bromoform

Concen: 99.922 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 97357

Ion Ratio Lower Upper

173 100

175 48.0 24.5 73.5

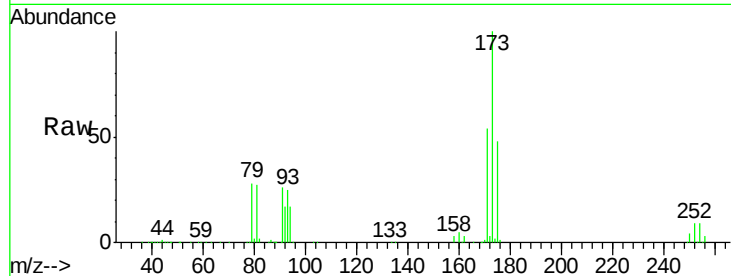
254 0.1 0.2 0.4#

Manual Integrations

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MMDadoda

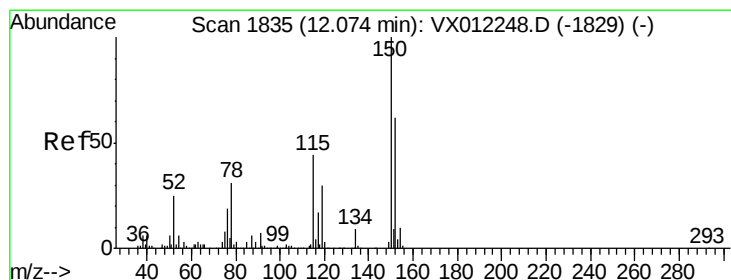
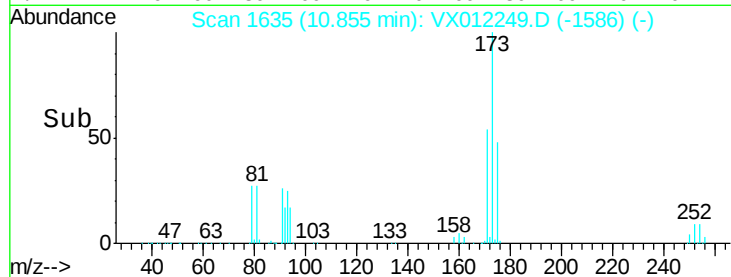
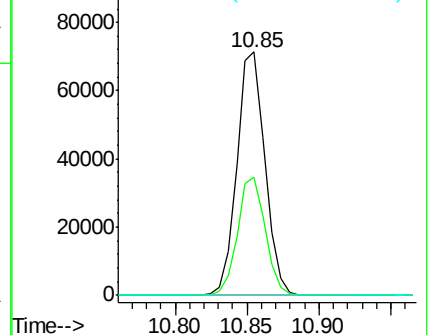
9/12/2019 9:00:34 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

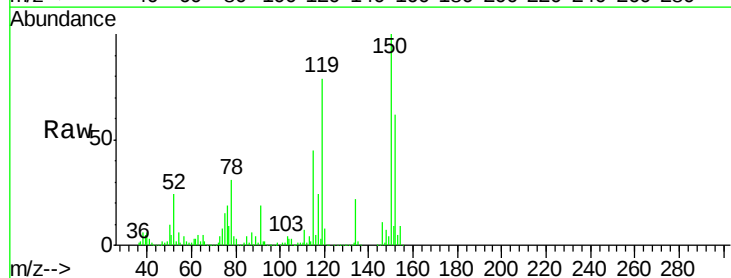
Tgt Ion:152 Resp: 122813

Ion Ratio Lower Upper

152 100

115 113.7 45.5 136.4

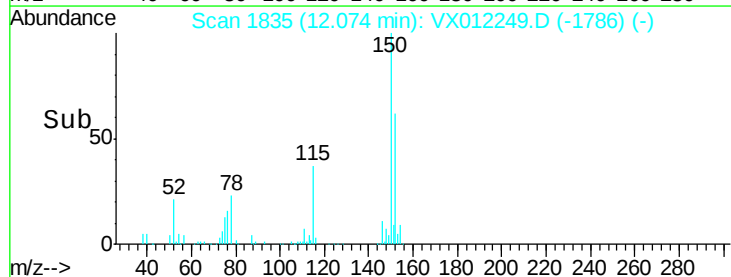
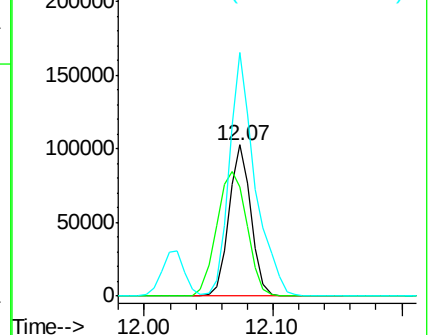
150 187.6 0.0 346.4

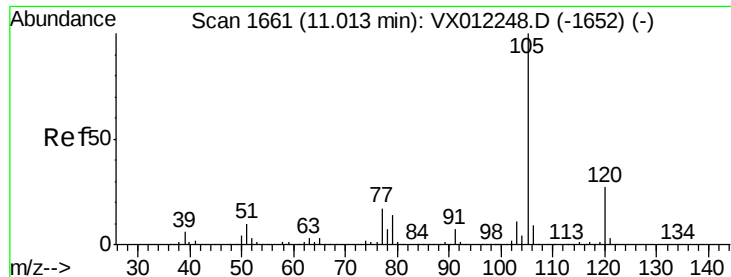


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 92.060 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 105 Resp: 810380

Ion Ratio Lower Upper

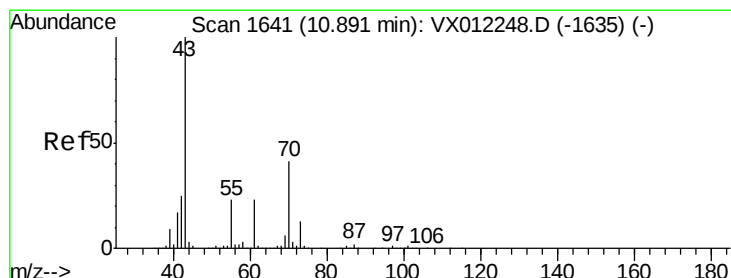
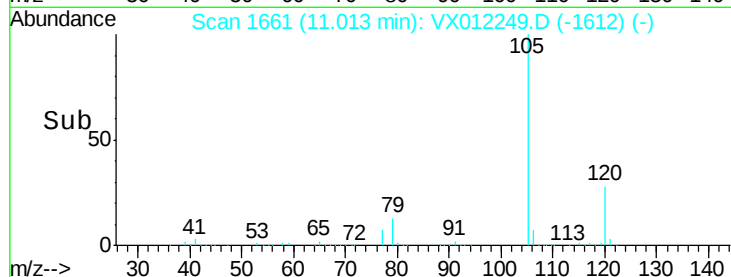
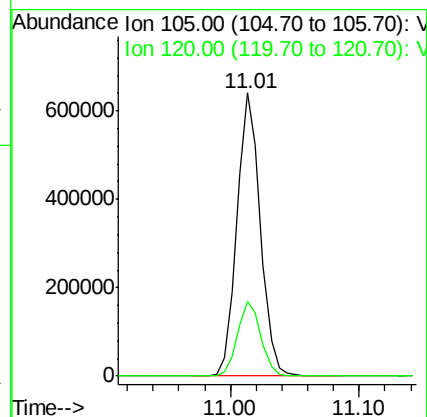
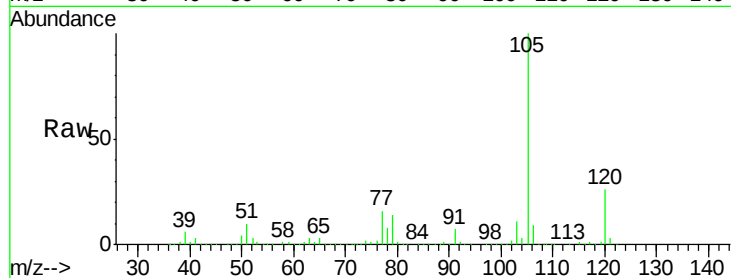
105 100

120 26.4 13.2 39.5

Manual Integrations
APPROVED

MMDadoda

9/12/2019 9:00:34 AM



#74

N-ethyl acetate

Concen: 93.041 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Tgt Ion: 43 Resp: 262094

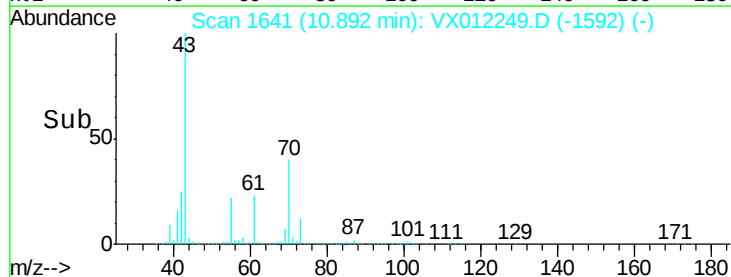
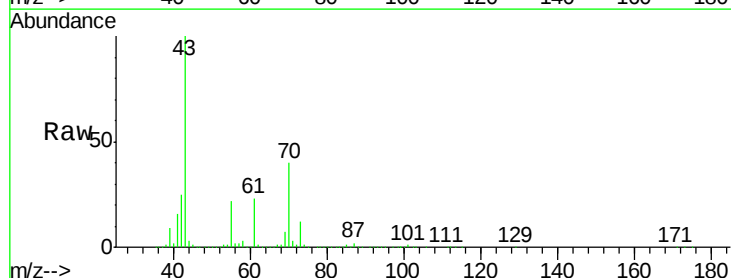
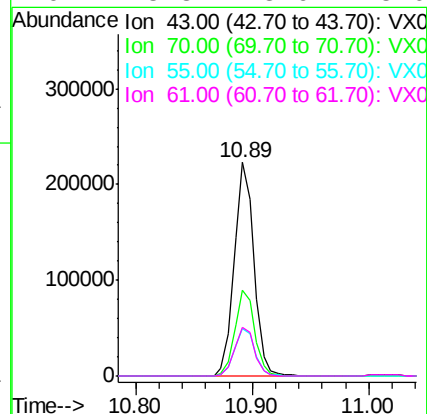
Ion Ratio Lower Upper

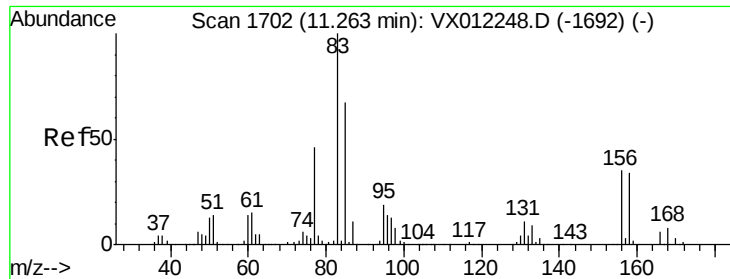
43 100

70 40.5 32.9 49.3

55 23.3 19.1 28.7

61 23.3 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 92.549 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Instrument :

MSVOA_X

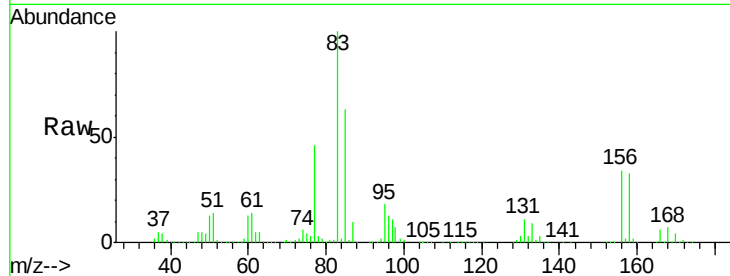
ClientSampleId :

VSTDIC100

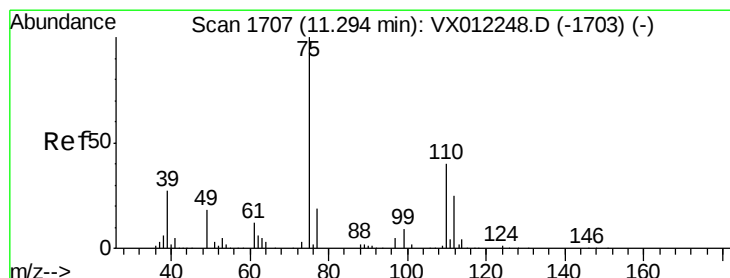
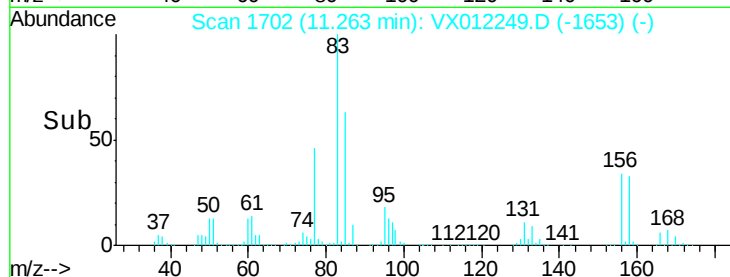
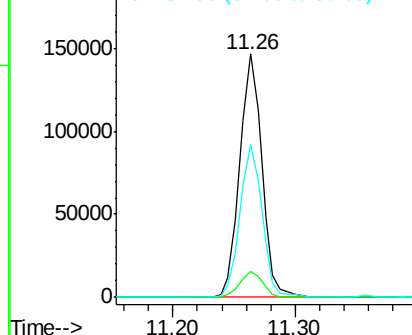
Tot Ion:	83	Resp:	183113
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.4
85	63.2	32.8	98.4

Manual Integrations
APPROVED

MMDadoda
9/12/2019 9:00:34 AM



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



#76

1,2,3-Trichloropropane

Concen: 94.794 ug/l m

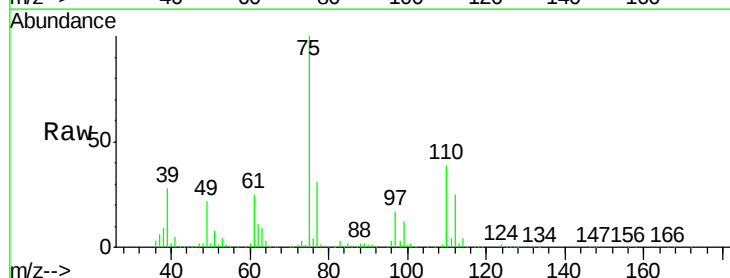
RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

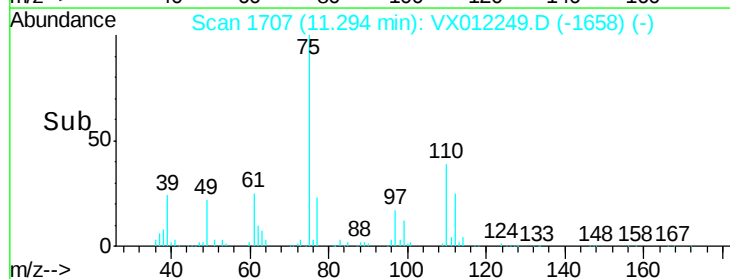
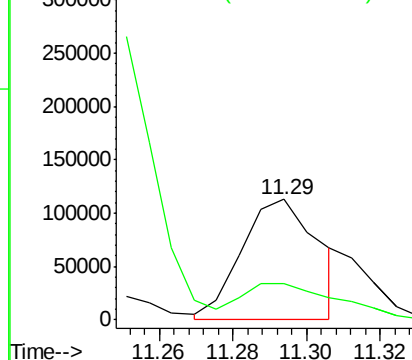
Lab File: VX012249.D

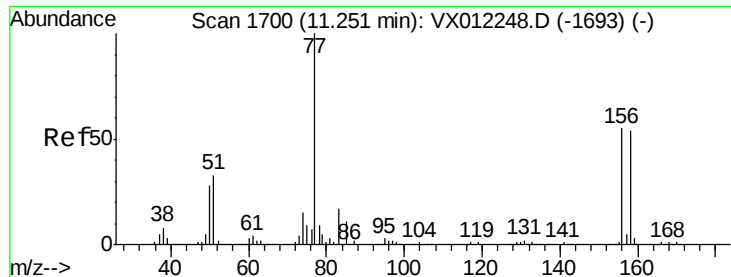
Acq: 10 Sep 2019 10:55

Tgt Ion:	75	Resp:	162673
Ion Ratio	Lower	Upper	
75	100		
77	38.5	19.7	59.0



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





#77

Bromobenzene

Concen: 88.986 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Instrument :

MSVOA_X

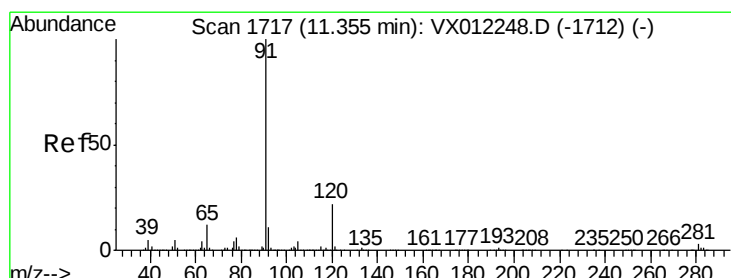
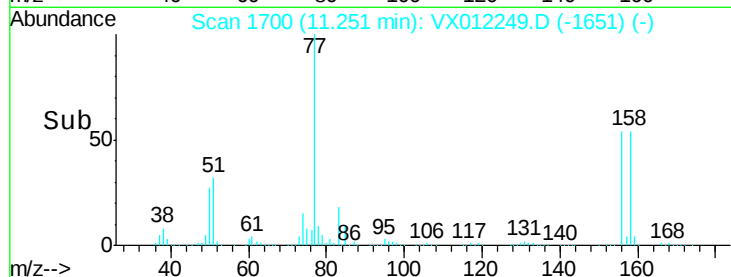
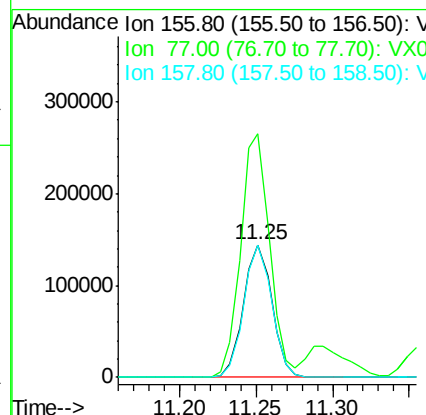
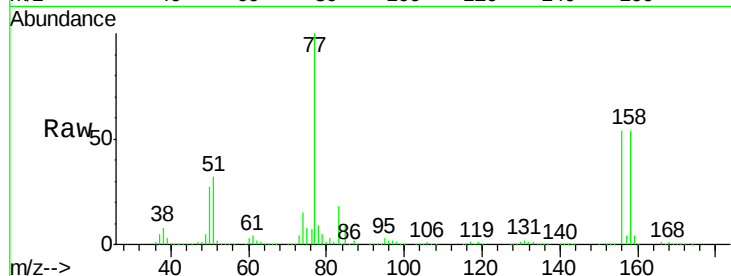
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	187241
Ion Ratio	Lower	Upper	
156	100		
77	185.7	92.2	276.6
158	98.1	48.8	146.3

Manual Integrations
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#78

n-propylbenzene

Concen: 92.495 ug/l

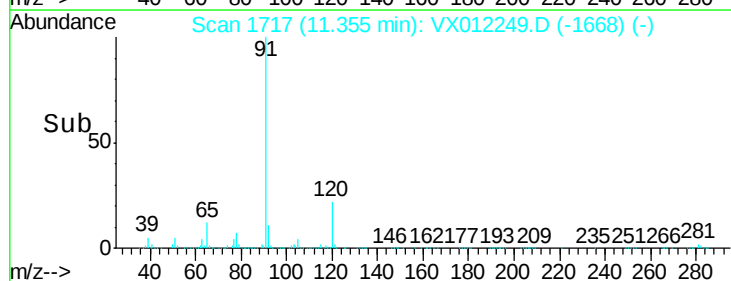
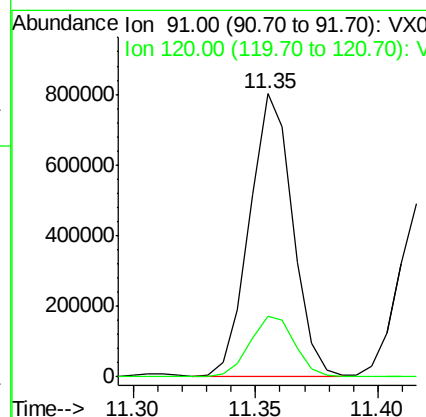
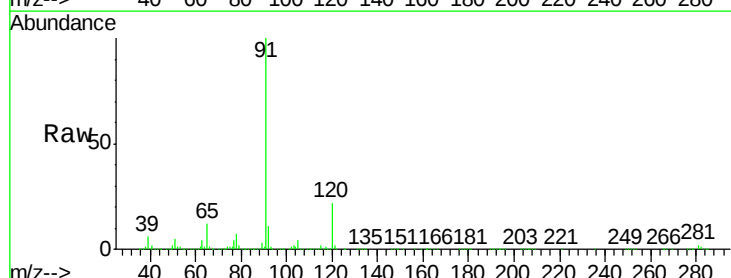
RT: 11.35 min Scan# 1717

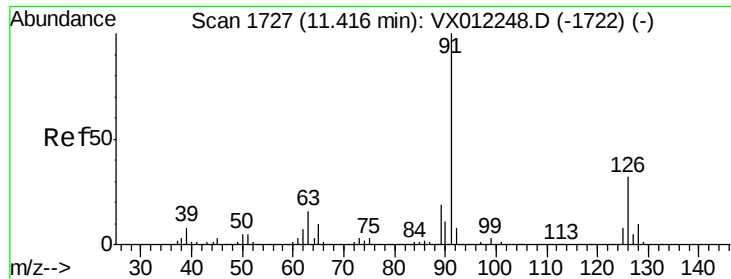
Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Tgt Ion:	91	Resp:	979931
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.2	33.6





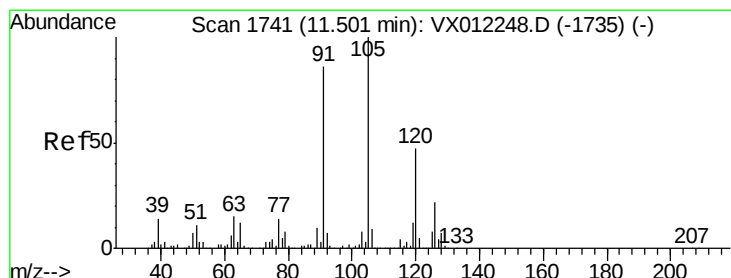
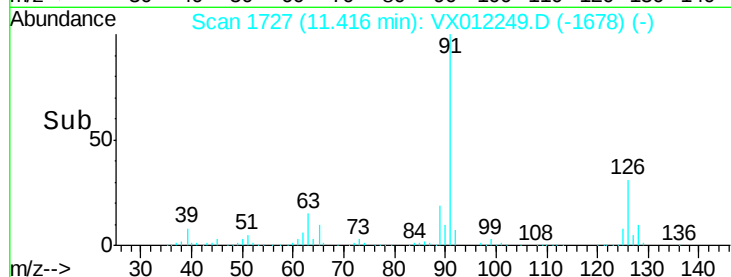
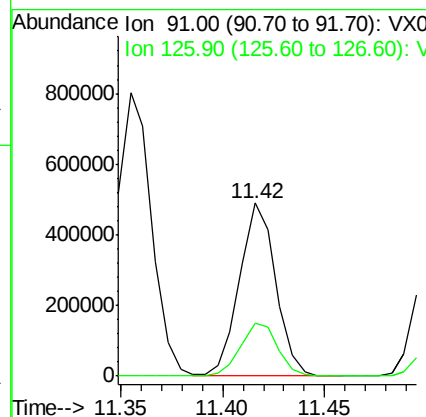
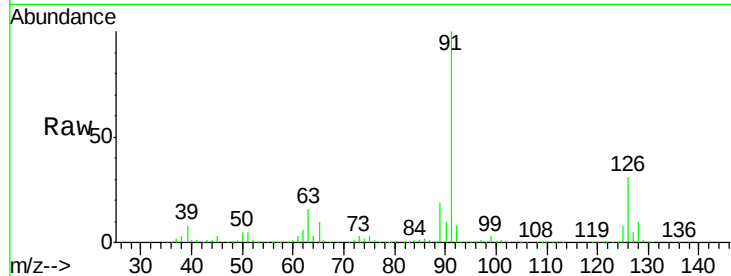
#79
 2-Chlorotoluene
 Concen: 90.906 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012249.D
 Acq: 10 Sep 2019 10:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 601149
 Ion Ratio Lower Upper
 91 100
 126 31.6 15.9 47.7

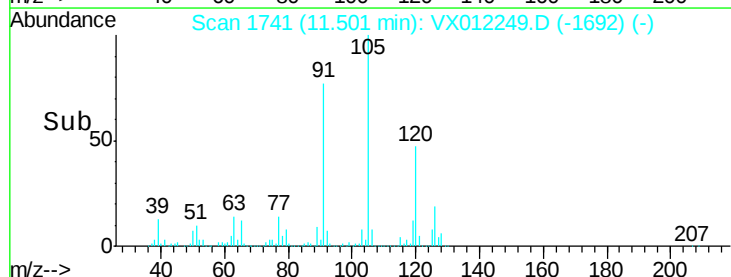
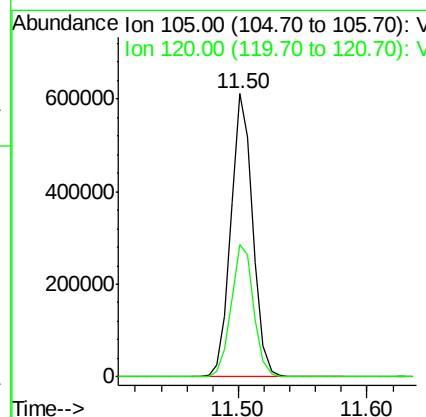
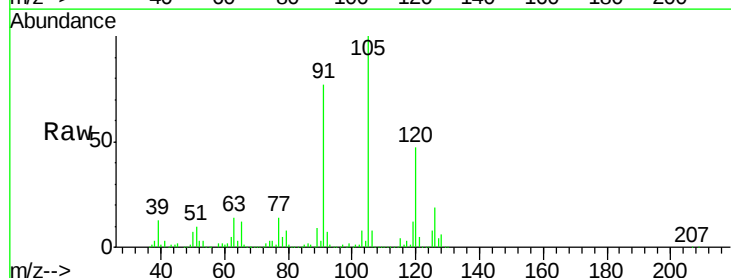
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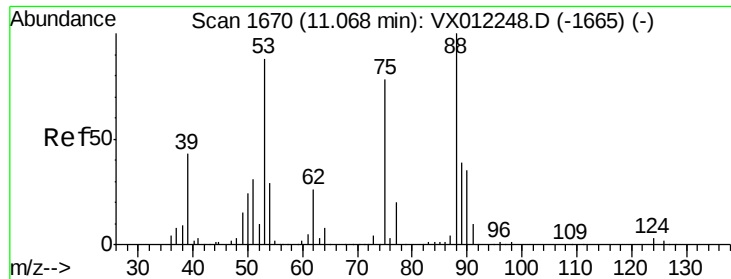
MMDadoda
 9/12/2019 9:00:34 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 91.435 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012249.D
 Acq: 10 Sep 2019 10:55

Tgt Ion: 105 Resp: 728537
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 94.786 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Instrument :

MSVOA_X

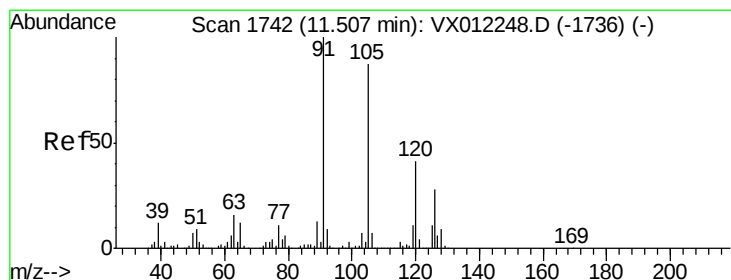
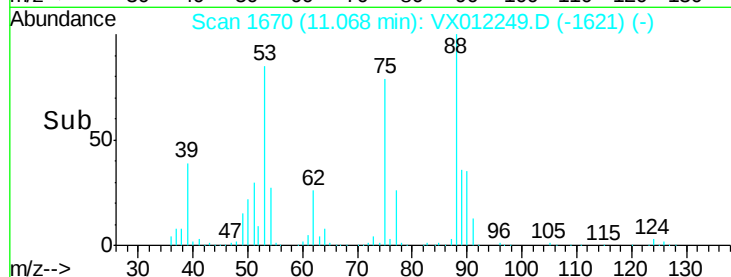
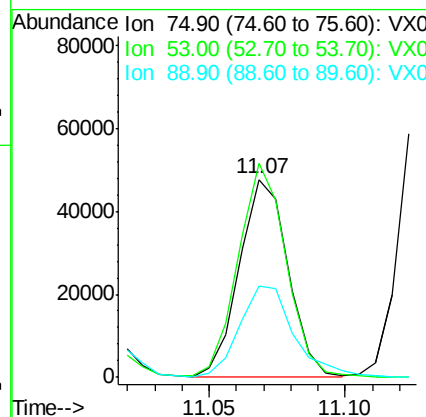
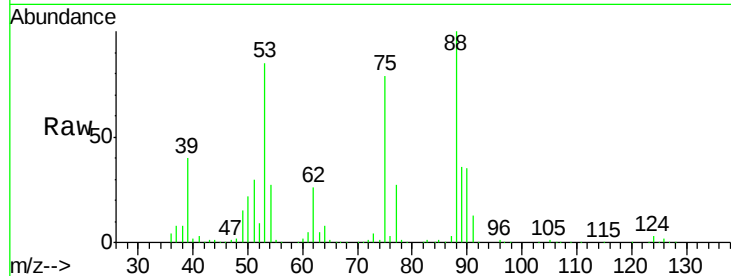
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	58894
Ion	Ratio	Lower	Upper
75	100		
53	106.5	88.1	132.1
89	52.3	43.5	65.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 89.340 ug/l

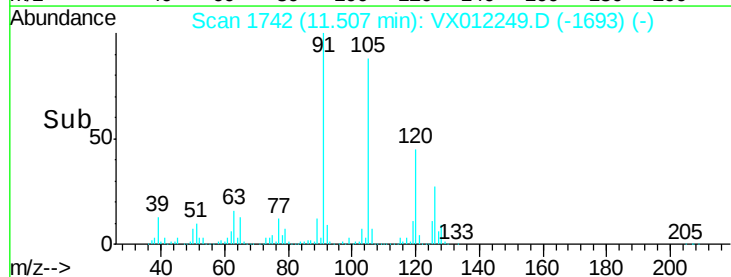
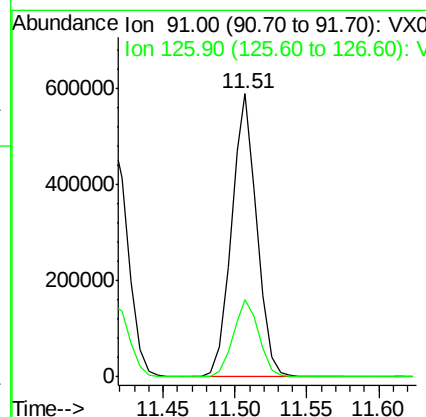
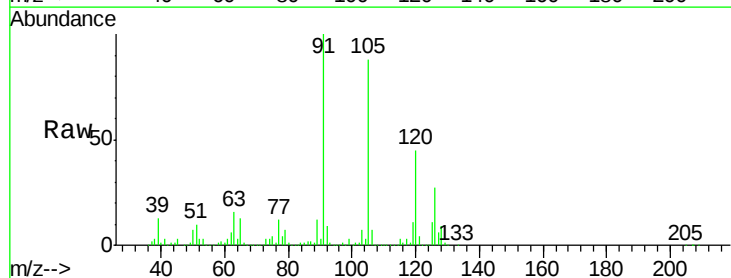
RT: 11.51 min Scan# 1742

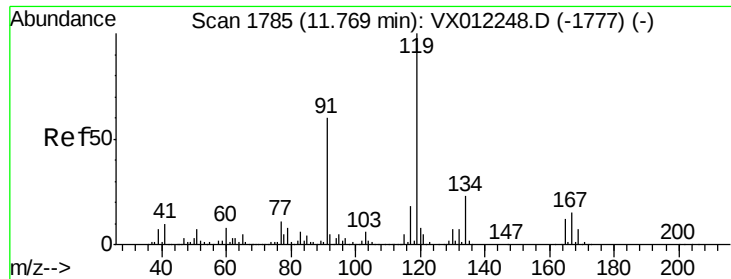
Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Tgt Ion:	91	Resp:	723174
Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.0	42.0





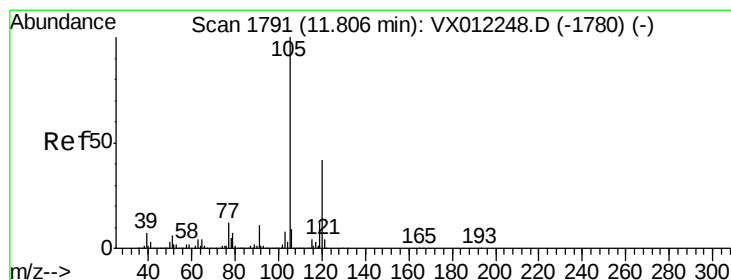
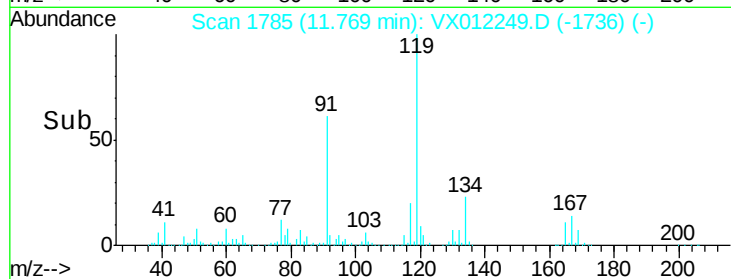
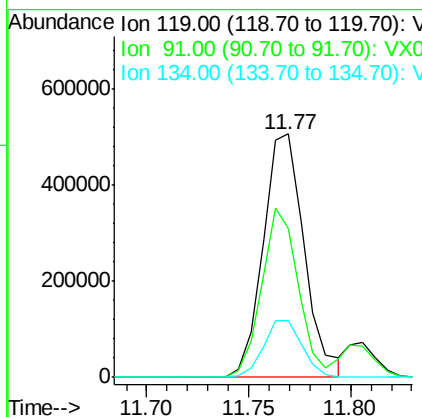
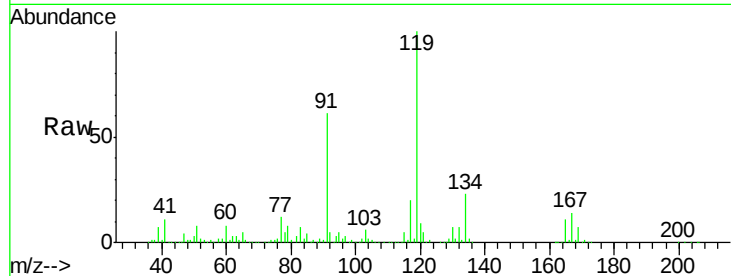
#83
tert-Butylbenzene
Concen: 92.013 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	710811		
91	61.9	30.9	92.8	
134	22.3	11.2	33.6	

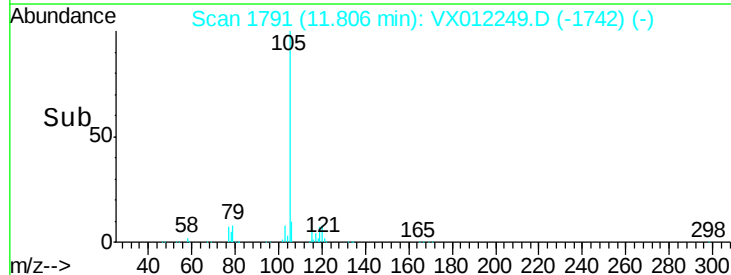
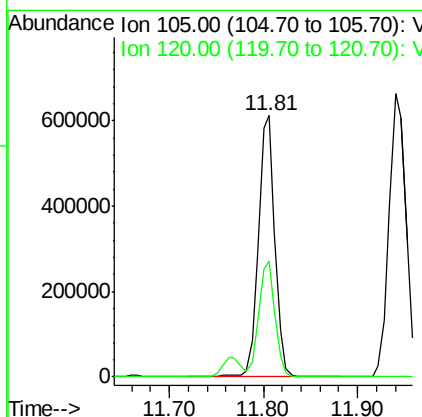
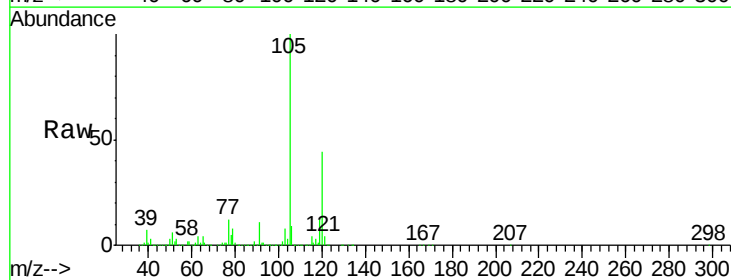
Manual Integrations
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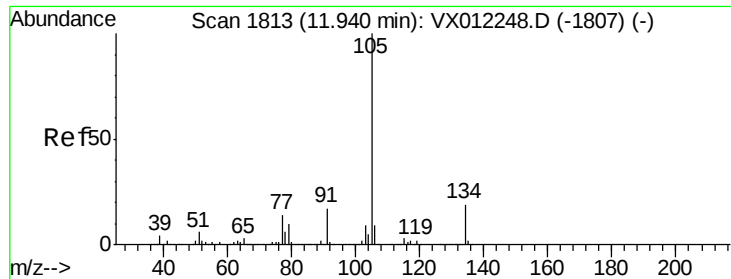
MMDadoda
9/12/2019 9:00:34 AM



#84
1,2,4-Trimethylbenzene
Concen: 91.665 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	755405		
120	43.9	21.3	63.9	





#85

sec-Butylbenzene

Concen: 91.266 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 828725

Ion Ratio Lower Upper

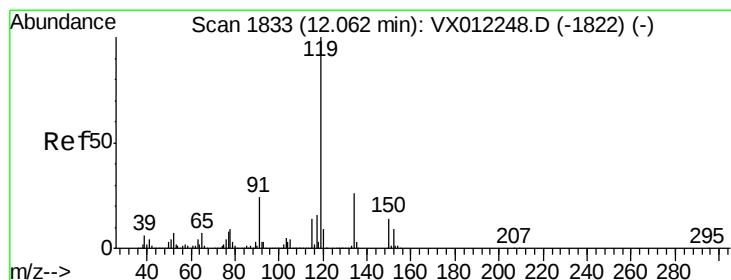
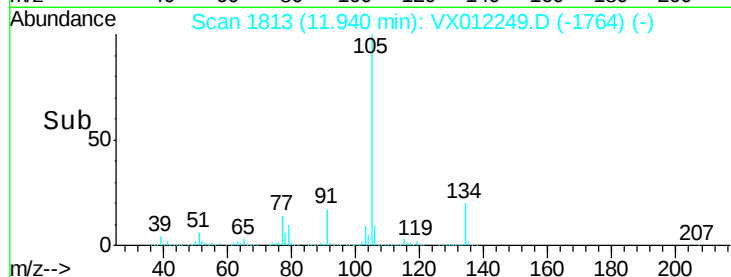
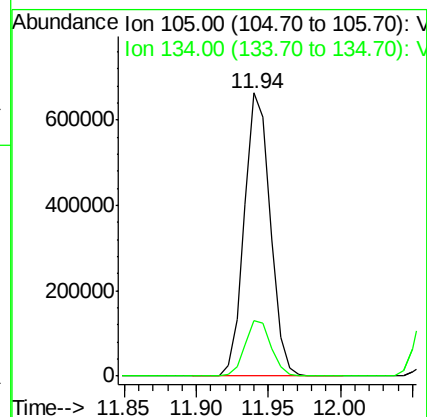
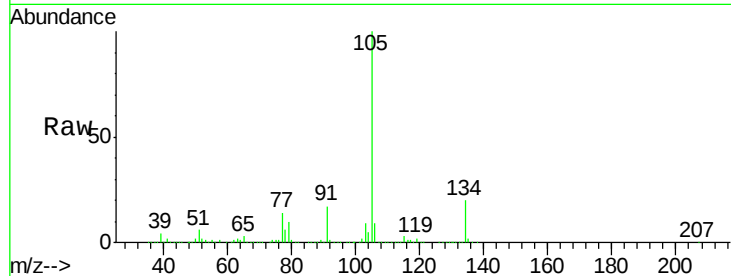
105 100

134 19.7 9.9 29.7

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#86

p-Isopropyltoluene

Concen: 93.998 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

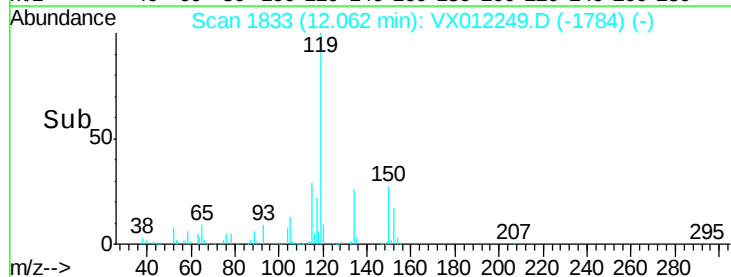
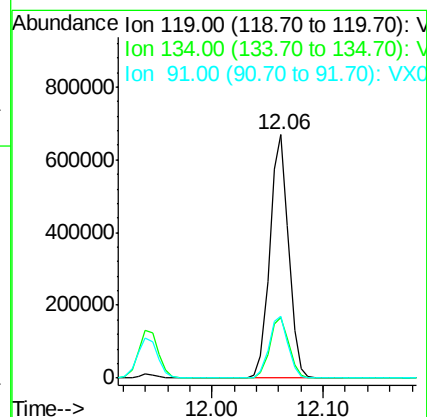
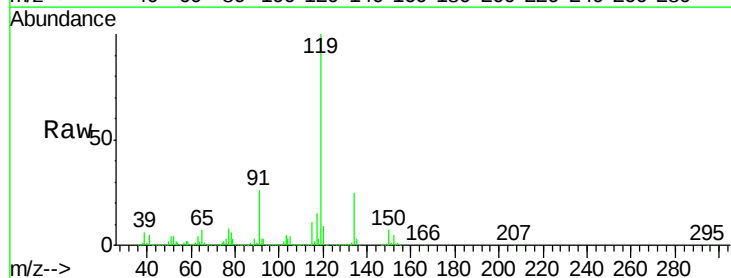
Tgt Ion:119 Resp: 791363

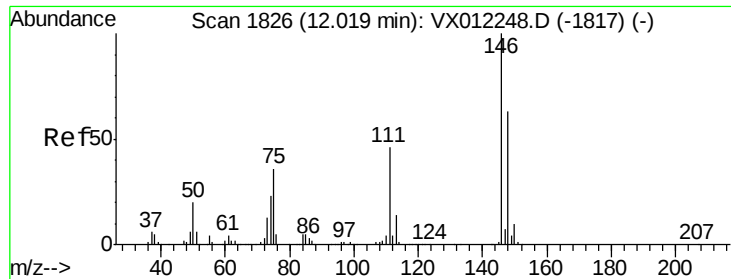
Ion Ratio Lower Upper

119 100

134 25.3 12.9 38.7

91 26.1 13.1 39.1





#87

1,3-Dichlorobenzene

Concen: 90.722 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Instrument :

MSVOA_X

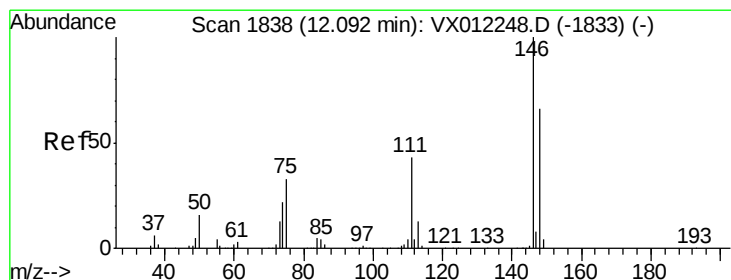
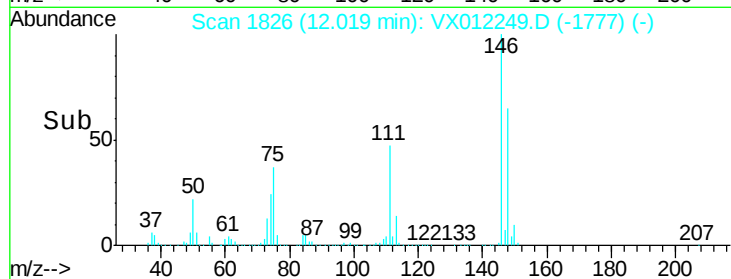
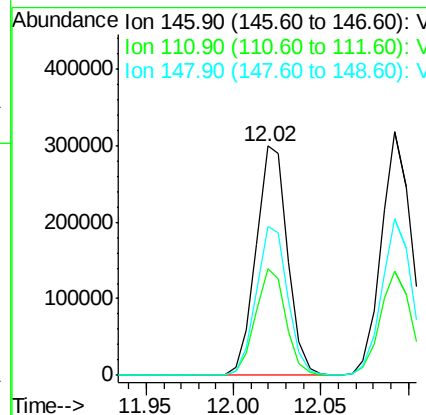
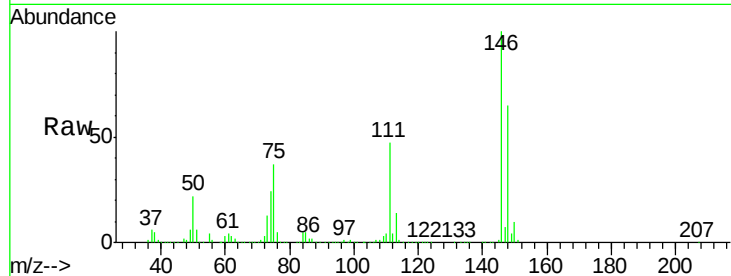
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	378558
Ion Ratio	Lower	Upper	
146	100		
111	44.7	22.3	66.8
148	64.6	31.5	94.5

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#88

1,4-Dichlorobenzene

Concen: 91.012 ug/l

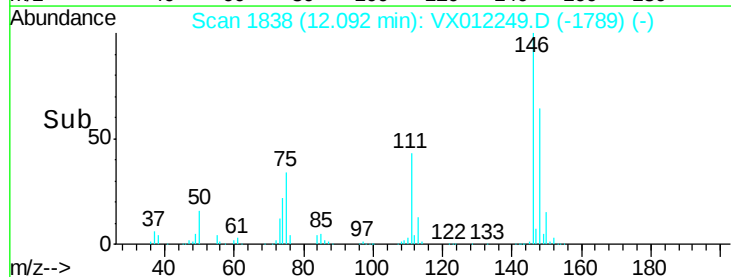
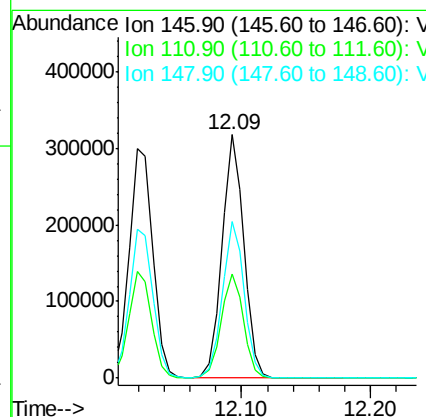
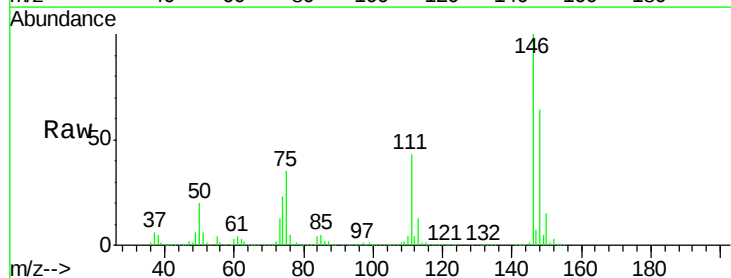
RT: 12.09 min Scan# 1838

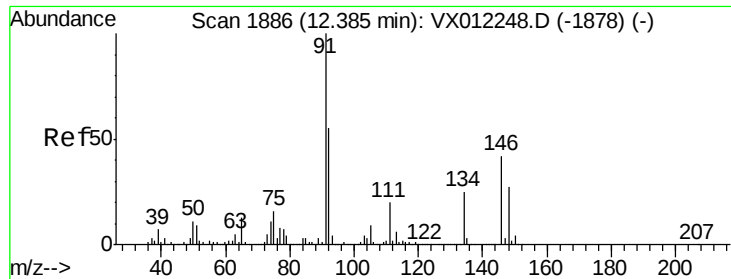
Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Tgt Ion:	146	Resp:	380830
Ion Ratio	Lower	Upper	
146	100		
111	43.4	21.6	64.8
148	63.8	32.4	97.2





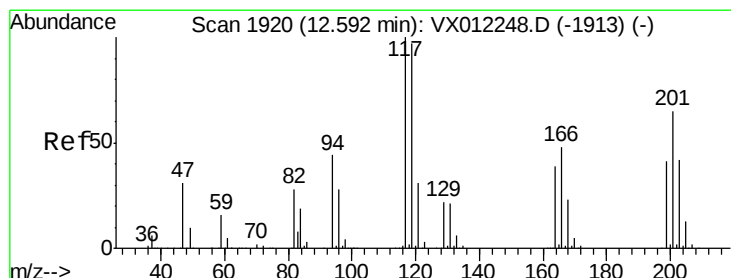
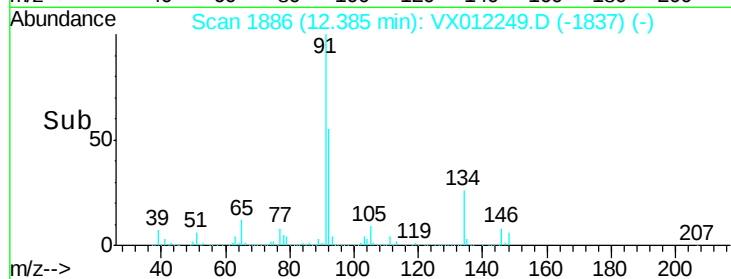
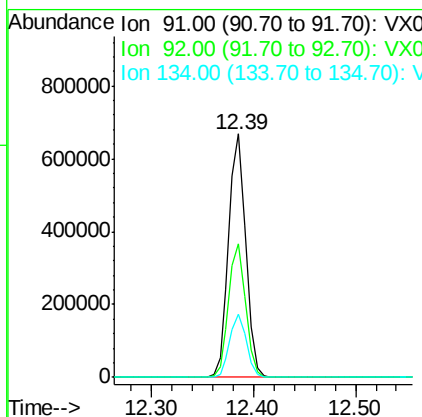
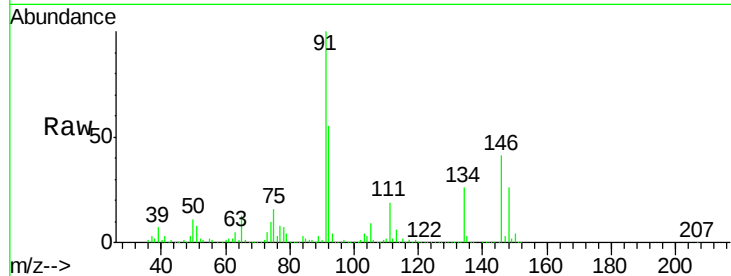
#89
n-Butylbenzene
Concen: 95.442 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
91	100	770855		
92	54.7		27.6	82.7
134	25.3		12.5	37.5

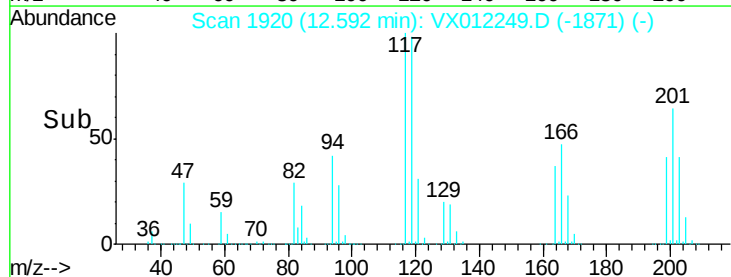
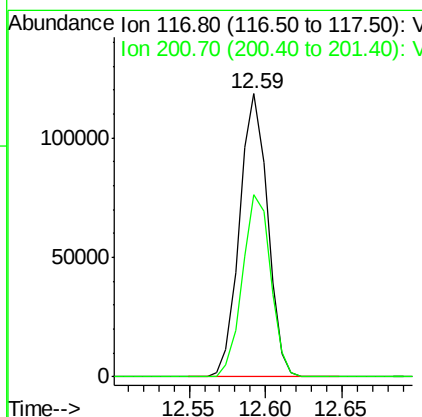
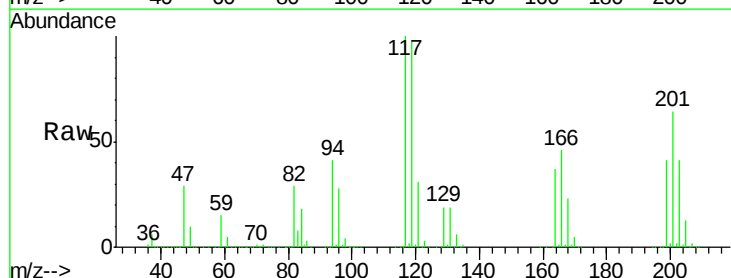
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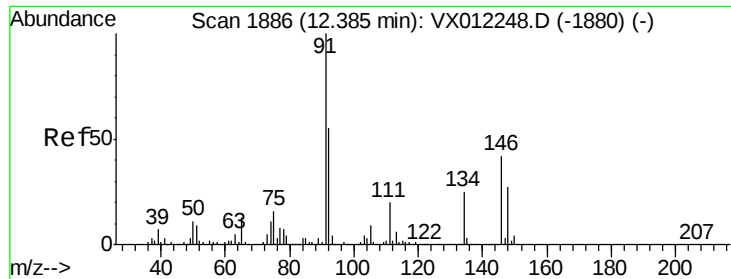
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#90
Hexachloroethane
Concen: 97.806 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012249.D
Acq: 10 Sep 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	151008		
201	64.8		32.2	96.6





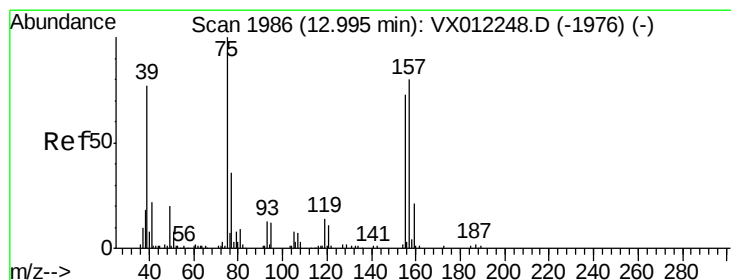
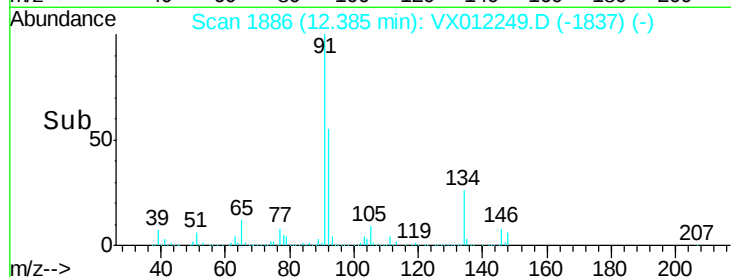
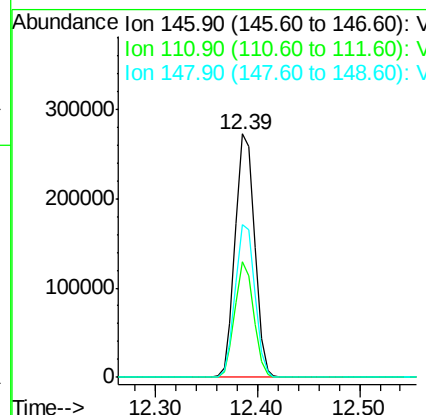
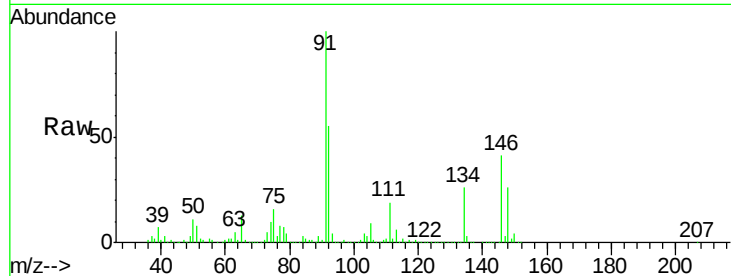
#91
 1,2-Dichlorobenzene
 Concen: 91.546 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012249.D
 Acq: 10 Sep 2019 10:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.0	23.2	69.6
148	63.2	32.4	97.0

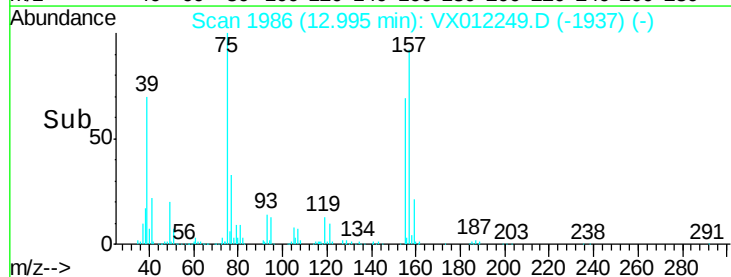
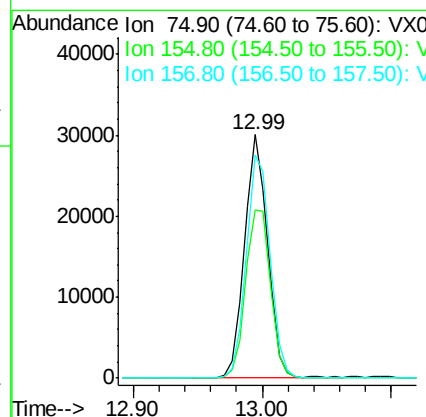
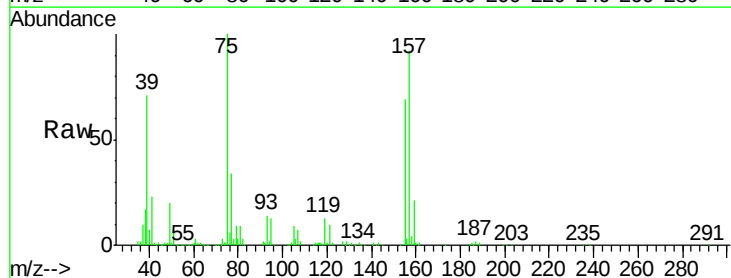
Manual Integrations
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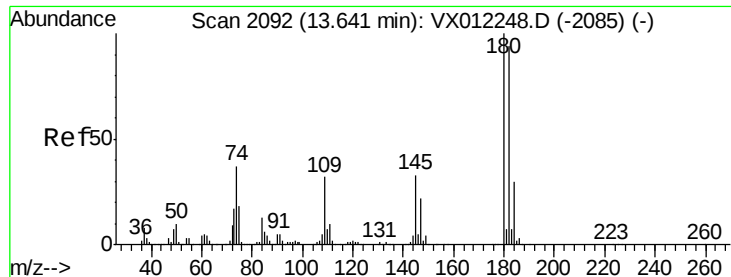
MMDadoda
 9/12/2019 9:00:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 95.291 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012249.D
 Acq: 10 Sep 2019 10:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.1	35.3	105.7
157	93.6	43.2	129.6





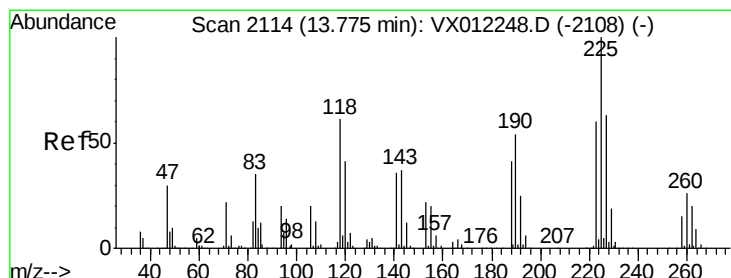
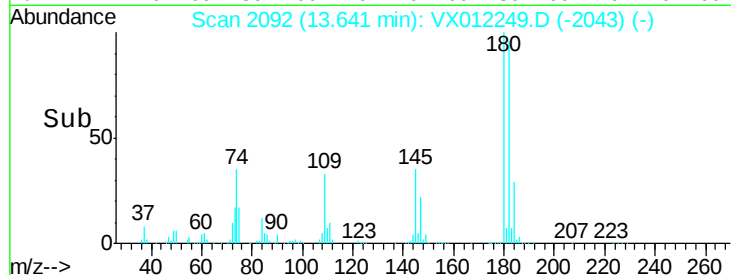
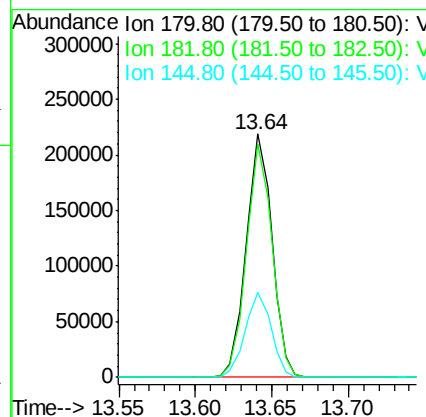
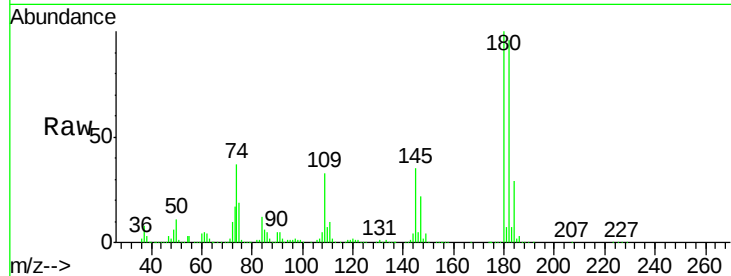
#93
 1,2,4-Trichlorobenzene
 Concen: 99.460 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012249.D
 Acq: 10 Sep 2019 10:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	256801		
182	95.2	46.9	140.8	
145	35.2	17.1	51.2	

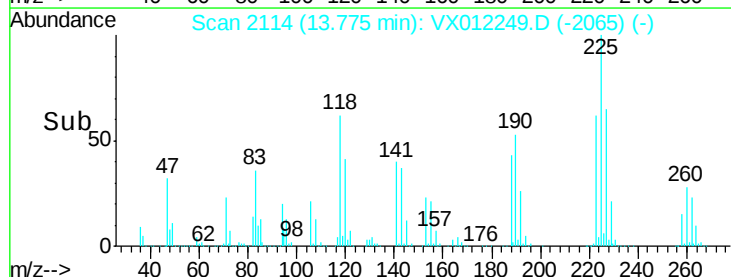
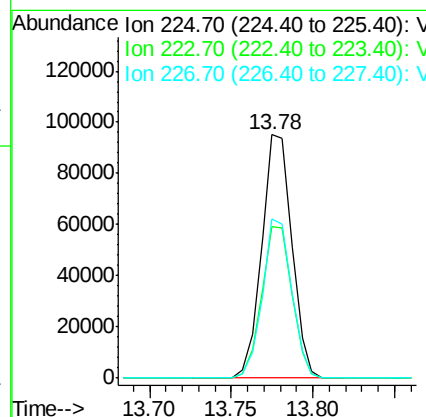
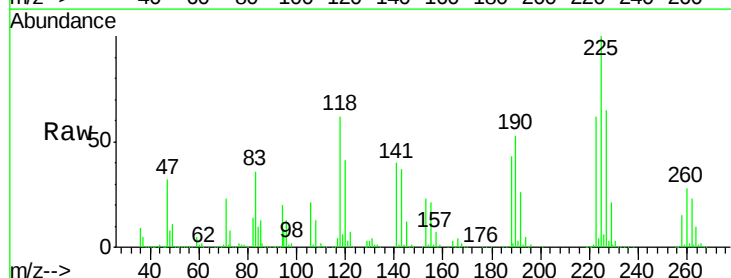
Manual Integrations
 APPROVED

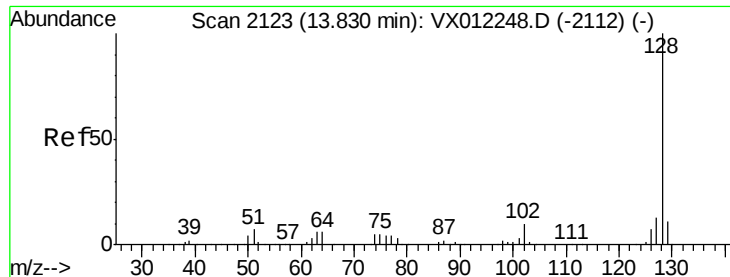
MMDadoda
 9/12/2019 9:00:34 AM



#94
 Hexachlorobutadiene
 Concen: 98.045 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX012249.D
 Acq: 10 Sep 2019 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	122467		
223	62.8	32.1	96.5	
227	63.3	32.5	97.5	





#95

Naphthalene

Concen: 101.370 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 574698

Ion Ratio Lower Upper

128 100

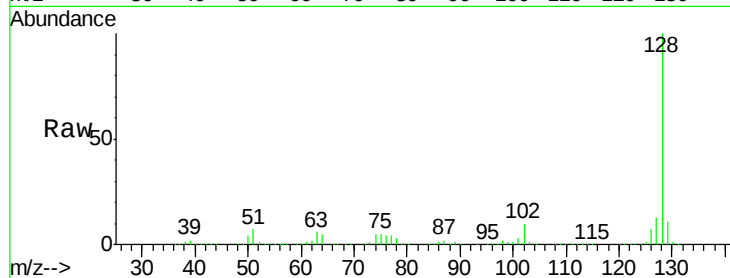
127 12.7 10.2 15.2

129 11.0 8.9 13.3

Manual Integrations
APPROVED

MMDadoda

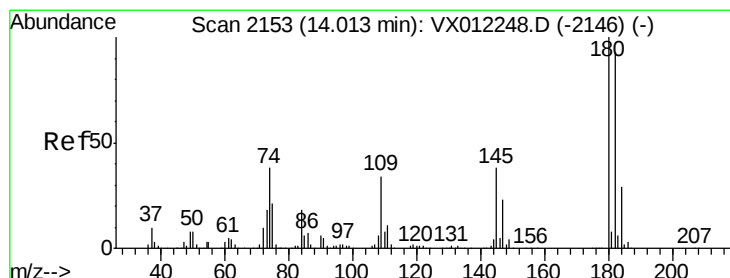
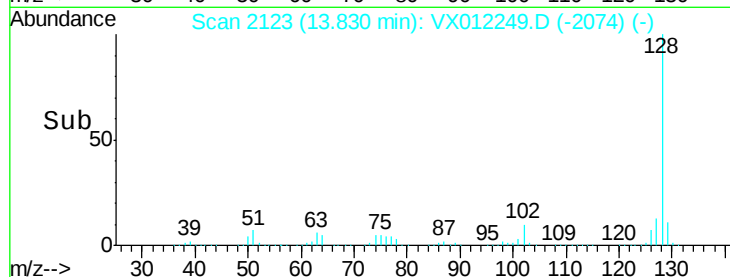
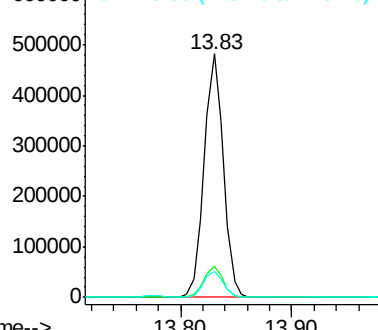
9/12/2019 9:00:34 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 102.960 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX012249.D

Acq: 10 Sep 2019 10:55

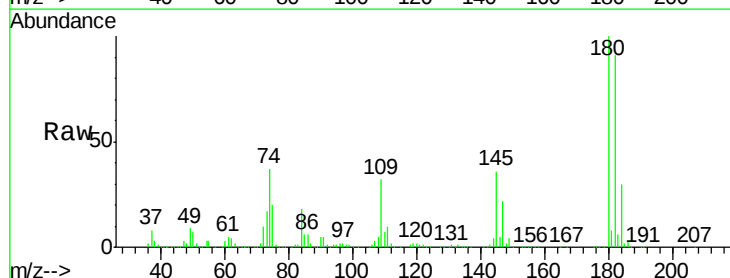
Tgt Ion:180 Resp: 232460

Ion Ratio Lower Upper

180 100

182 93.3 47.0 141.0

145 36.4 18.6 55.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

