

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081619\
 Data File : VX011588.D
 Acq On : 16 Aug 2019 17:58
 Operator : JC/SP
 Sample : VX0816WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/19/2019 10:30:52 AM

Quant Time: Aug 19 03:31:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	395010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	552227	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	503634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	284365	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	161400	44.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.12%	
35) Dibromofluoromethane	5.49	113	150833	41.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.52%	
50) Toluene-d8	8.71	98	499540	44.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.78%	
62) 4-Bromofluorobenzene	11.13	95	213917	45.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.06%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	76609	19.731	ug/l 99
3) Chloromethane	1.32	50	67068	16.631	ug/l 98
4) Vinyl Chloride	1.40	62	67127	18.427	ug/l 97
5) Bromomethane	1.64	94	31928	19.560	ug/l 99
6) Chloroethane	1.71	64	36270	21.037	ug/l 96
7) Trichlorofluoromethane	1.92	101	100165	19.851	ug/l 96
8) Diethyl Ether	2.18	74	34931	20.181	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	63293	18.161	ug/l 99
10) Methyl Iodide	2.50	142	54116	10.900	ug/l 98
11) Tert butyl alcohol	3.04	59	82132	91.391	ug/l 98
12) 1,1-Dichloroethene	2.37	96	62399	18.527	ug/l 99
13) Acrolein	2.29	56	26412	103.044	ug/l 97
14) Allyl chloride	2.72	41	102041	18.213	ug/l 97
15) Acrylonitrile	3.14	53	192978	93.823	ug/l 99
16) Acetone	2.43	43	163736	88.894	ug/l 98
17) Carbon Disulfide	2.56	76	137043	17.268	ug/l 100
18) Methyl Acetate	2.76	43	107866	18.883	ug/l 99
19) Methyl tert-butyl Ether	3.18	73	213784	19.489	ug/l 99
20) Methylene Chloride	2.85	84	68098	17.608	ug/l 98
21) trans-1,2-Dichloroethene	3.16	96	66620	18.665	ug/l 96
22) Diisopropyl ether	3.85	45	211192	18.928	ug/l 98
23) Vinyl Acetate	3.81	43	836571	94.682	ug/l 100
24) 1,1-Dichloroethane	3.69	63	116241	18.426	ug/l 97
25) 2-Butanone	4.67	43	269711	93.272	ug/l 99
26) 2,2-Dichloropropane	4.57	77	82637	17.404	ug/l 100
27) cis-1,2-Dichloroethene	4.59	96	78915	18.966	ug/l 99
28) Bromochloromethane	5.01	49	53175	19.201	ug/l 98
29) Tetrahydrofuran	5.12	42	174326	91.903	ug/l 98
30) Chloroform	5.20	83	121856	18.303	ug/l 99
31) Cyclohexane	5.57	56	107151	19.727	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	106032	18.522	ug/l 99
36) 1,1-Dichloropropene	5.79	75	89326	18.919	ug/l 99
37) Ethyl Acetate	4.82	43	98647	18.165	ug/l 99
38) Carbon Tetrachloride	5.78	117	91652	17.619	ug/l 99

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 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	119617	20.515	ug/l	96
40) Benzene	6.13	78	270240	18.418	ug/l	100
41) Methacrylonitrile	5.03	41	55249	18.485	ug/l	96
42) 1,2-Dichloroethane	6.19	62	94750	18.639	ug/l	100
43) Isopropyl Acetate	6.44	43	157396	18.572	ug/l	99
44) Trichloroethene	7.21	130	83085	19.089	ug/l	98
45) 1,2-Dichloropropane	7.51	63	69036	18.867	ug/l	100
46) Dibromomethane	7.66	93	47427	17.836	ug/l	100
47) Bromodichloromethane	7.90	83	85603	17.533	ug/l	98
48) Methyl methacrylate	7.77	41	79328	18.901	ug/l	99
49) 1,4-Dioxane	7.74	88	39784	356.392	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	526458	94.904	ug/l	99
52) Toluene	8.78	92	178690	19.116	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	91075	17.974	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	102388	18.464	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	72322	18.194	ug/l	96
56) Ethyl methacrylate	9.18	69	112866	19.535	ug/l	100
57) 1,3-Dichloropropane	9.37	76	118249	18.714	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	257595	89.482	ug/l	99
59) 2-Hexanone	9.49	43	399217	93.323	ug/l	100
60) Dibromochloromethane	9.58	129	73049	17.638	ug/l	97
61) 1,2-Dibromoethane	9.67	107	78233	18.441	ug/l	98
64) Tetrachloroethene	9.34	164	77618	18.784	ug/l	96
65) Chlorobenzene	10.13	112	200976	18.709	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	73941	18.416	ug/l	98
67) Ethyl Benzene	10.25	91	353549	19.721	ug/l	100
68) m/p-Xylenes	10.35	106	284159	41.293	ug/l	100
69) o-Xylene	10.69	106	130901	19.420	ug/l	97
70) Styrene	10.71	104	222949	19.648	ug/l	100
71) Bromoform	10.85	173	57521	17.064	ug/l #	99
73) Isopropylbenzene	11.02	105	352033	19.078	ug/l	98
74) N-amyl acetate	10.90	43	156548	19.964	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	118754	18.709	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	96355m	17.869	ug/l	
77) Bromobenzene	11.25	156	101288	18.450	ug/l	99
78) n-propylbenzene	11.36	91	388441	19.523	ug/l	100
79) 2-Chlorotoluene	11.42	91	228616	18.712	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	313132	20.202	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	28306	17.430	ug/l #	86
82) 4-Chlorotoluene	11.51	91	272915	19.254	ug/l	100
83) tert-Butylbenzene	11.77	119	294807	18.674	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	333699	21.444	ug/l	100
85) sec-Butylbenzene	11.94	105	338137	18.984	ug/l	99
86) p-Isopropyltoluene	12.06	119	329637	19.672	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	178772	18.945	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	181545	18.982	ug/l	99
89) n-Butylbenzene	12.38	91	279488	20.288	ug/l	99
90) Hexachloroethane	12.59	117	45231	17.094	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	175460	18.523	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	24103	16.598	ug/l	94

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Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD01

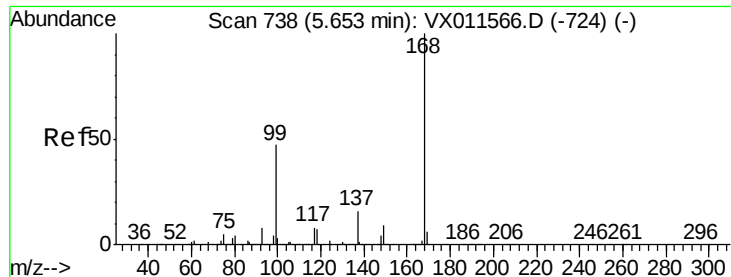
Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	138270	19.591	ug/l	96
94) Hexachlorobutadiene	13.78	225	64326	16.738	ug/l	98
95) Naphthalene	13.83	128	440524	22.078	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	141884	19.931	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBSD01

Tot Ion:168 Resp: 395010

Ion Ratio Lower Upper

168 100

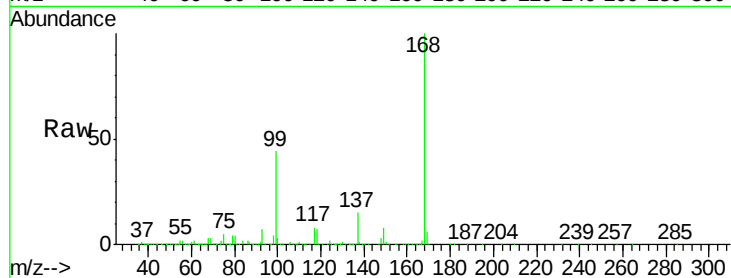
99 44.1 37.3 55.9

Manual Integrations

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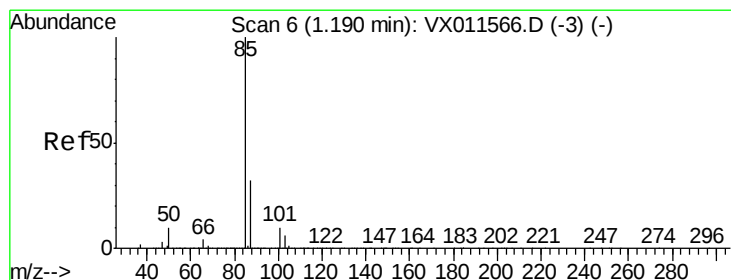
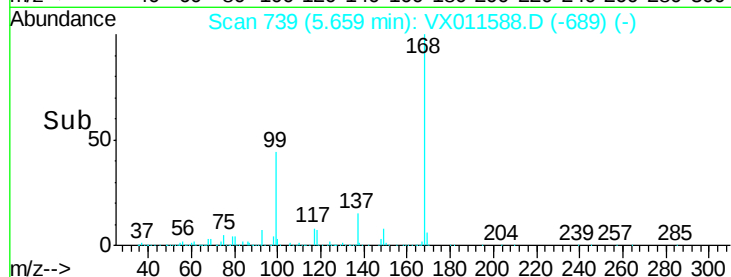
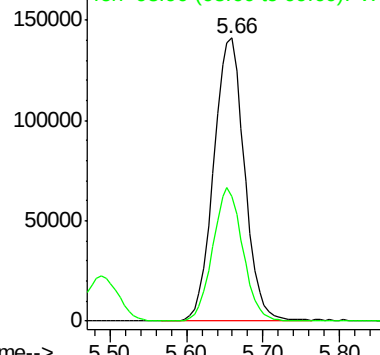
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.731 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011588.D

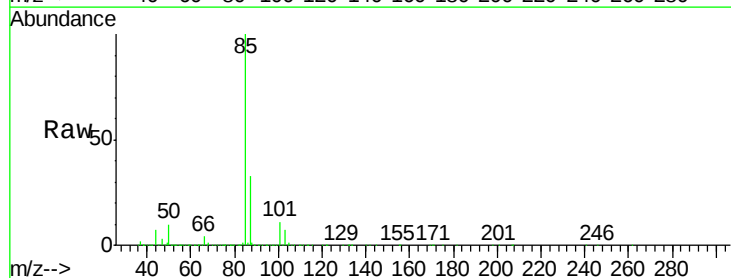
Acq: 16 Aug 2019 17:58

Tgt Ion: 85 Resp: 76609

Ion Ratio Lower Upper

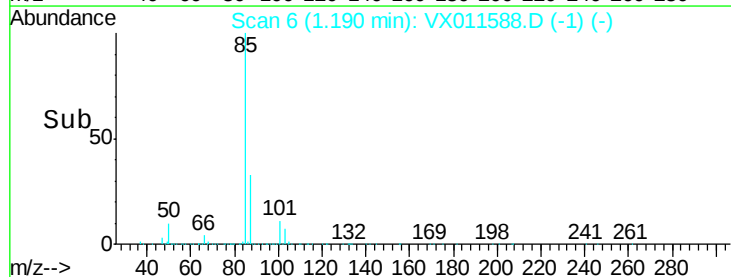
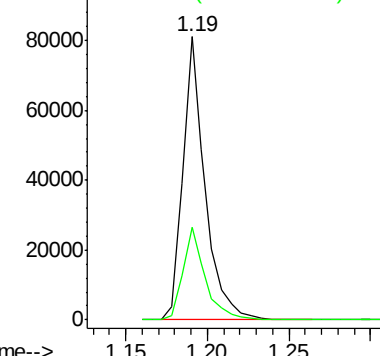
85 100

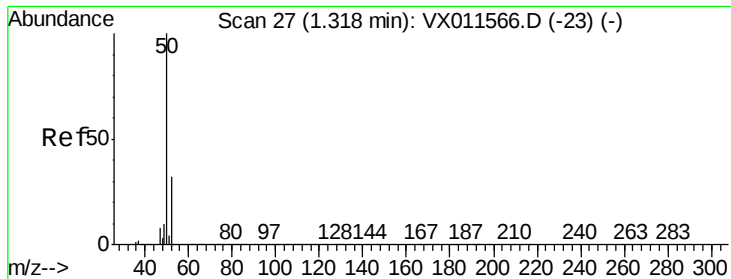
87 32.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 16.631 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBSD01

Tot Ion: 50 Resp: 67068

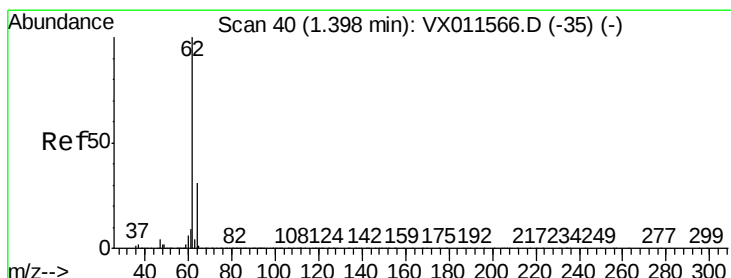
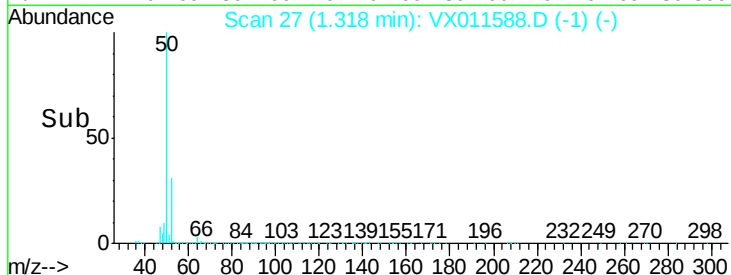
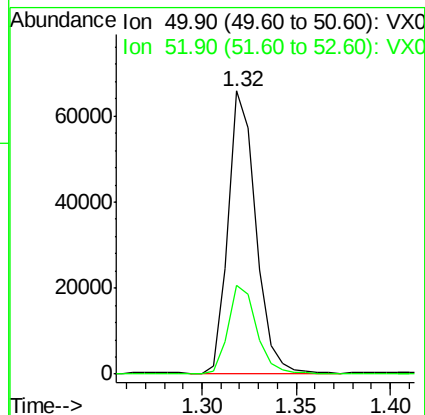
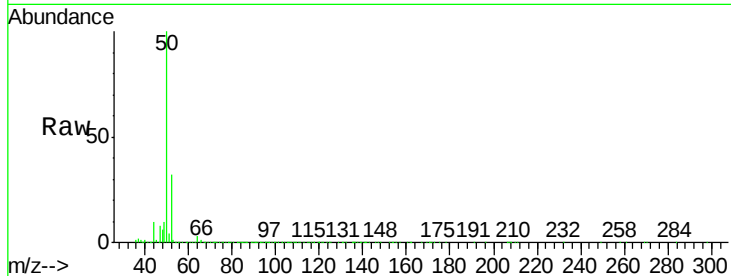
Ion Ratio Lower Upper

50 100

52 31.4 26.0 39.0

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#4

Vinyl Chloride

Concen: 18.427 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011588.D

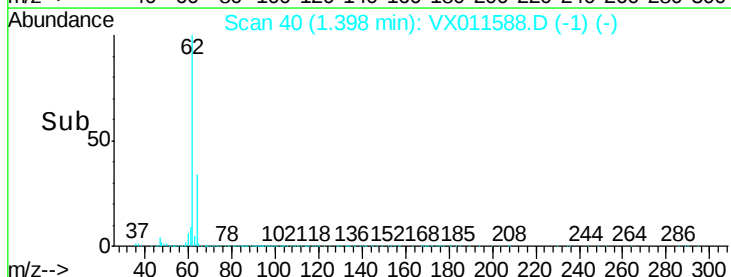
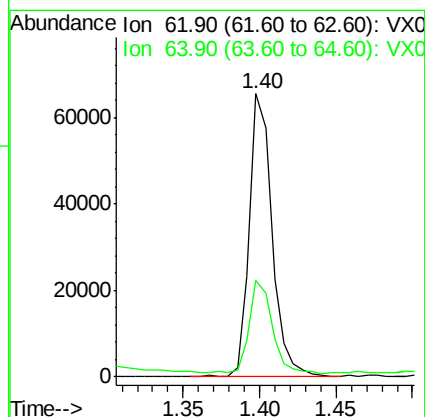
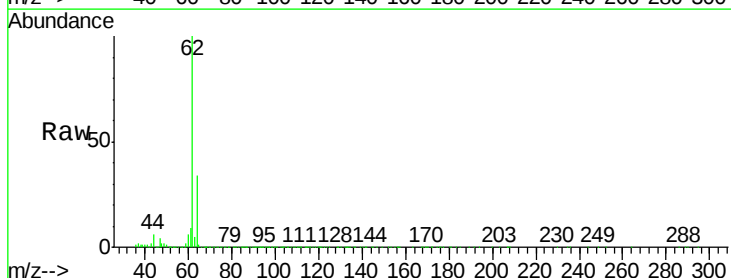
Acq: 16 Aug 2019 17:58

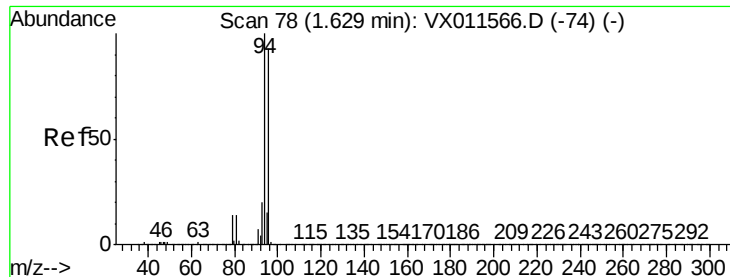
Tgt Ion: 62 Resp: 67127

Ion Ratio Lower Upper

62 100

64 32.6 25.0 37.4





#5

Bromomethane

Concen: 19.560 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.01 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBSD01

Tot Ion: 94 Resp: 31928

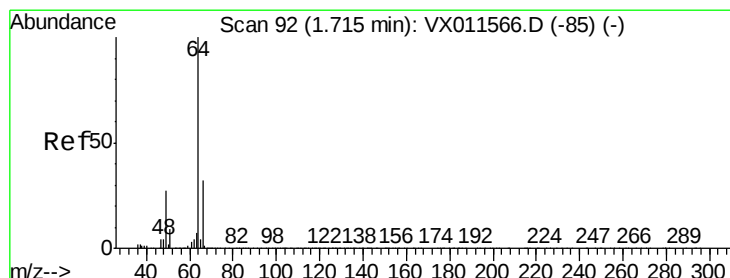
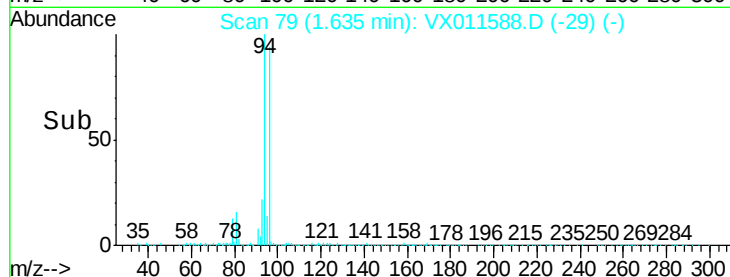
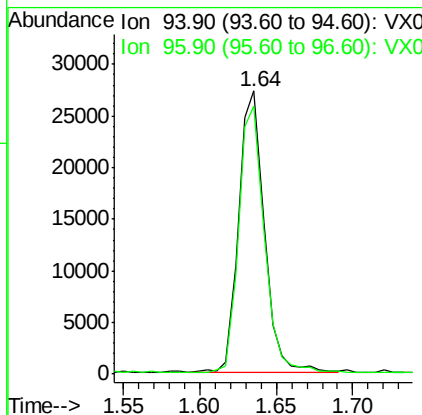
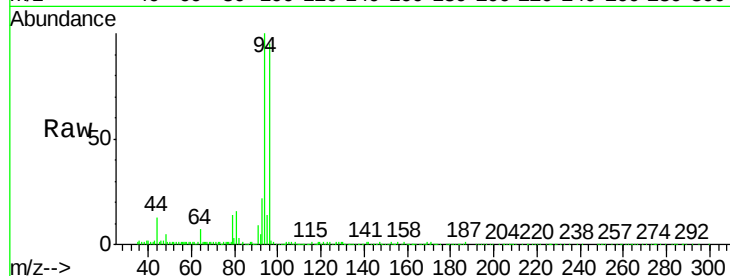
Ion Ratio Lower Upper

94 100

96 94.5 74.8 112.2

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#6

Chloroethane

Concen: 21.037 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011588.D

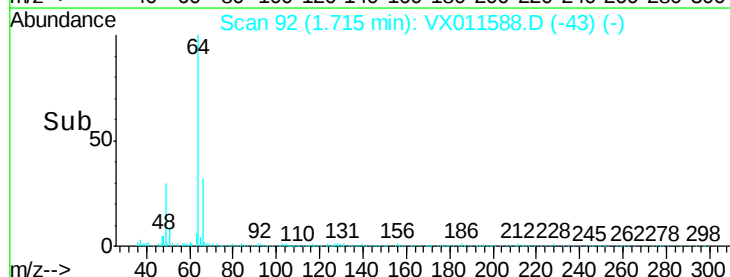
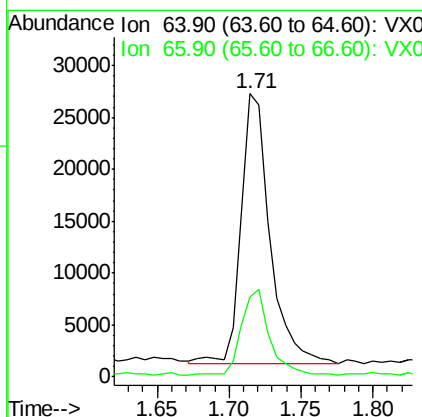
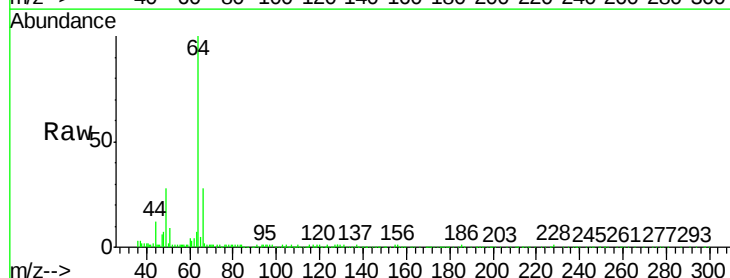
Acq: 16 Aug 2019 17:58

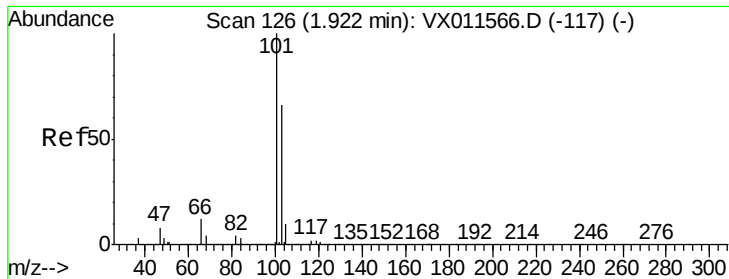
Tgt Ion: 64 Resp: 36270

Ion Ratio Lower Upper

64 100

66 29.3 25.3 37.9





#7

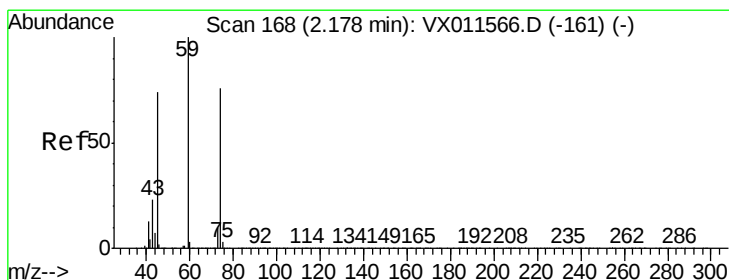
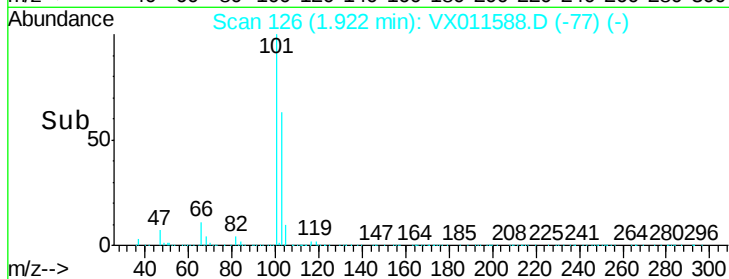
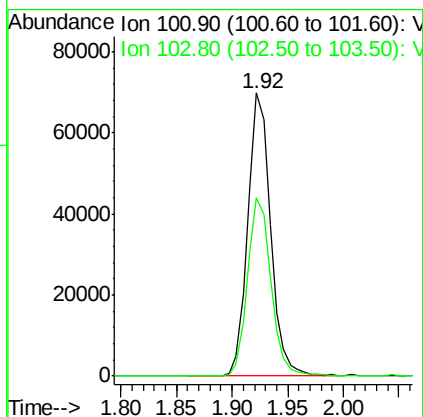
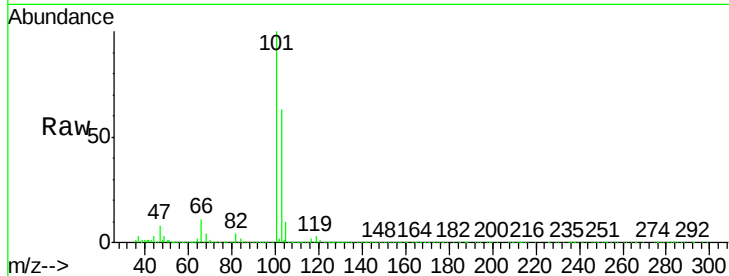
Trichlorofluoromethane
Concen: 19.851 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	100165		
103	62.9	52.9	79.3	

Manual Integrations
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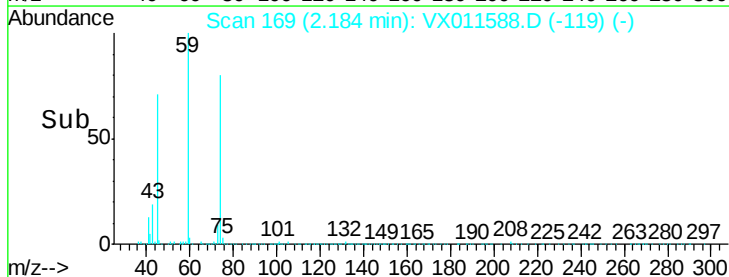
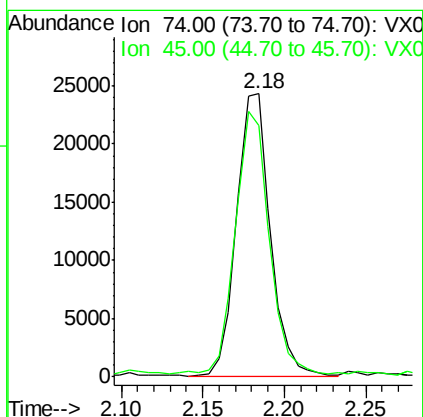
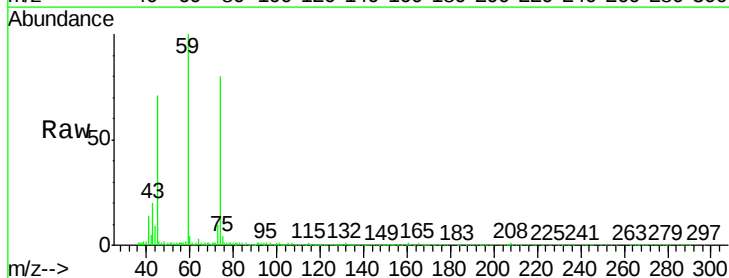
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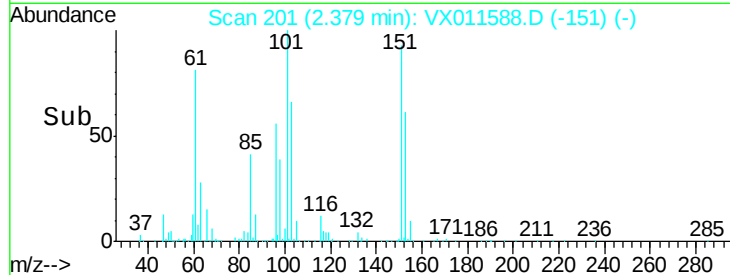
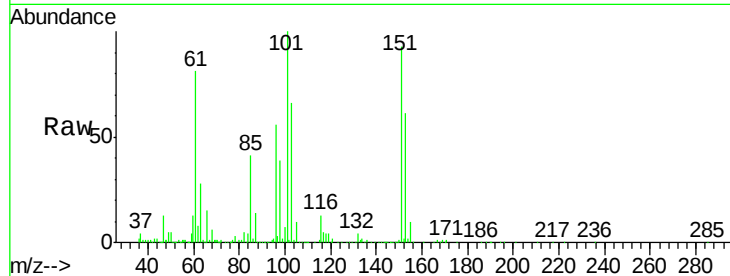
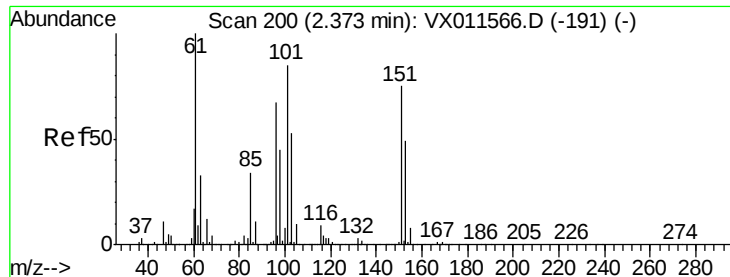


#8

Diethyl Ether
Concen: 20.181 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.01 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	34931		
45	93.4	48.2	144.6	





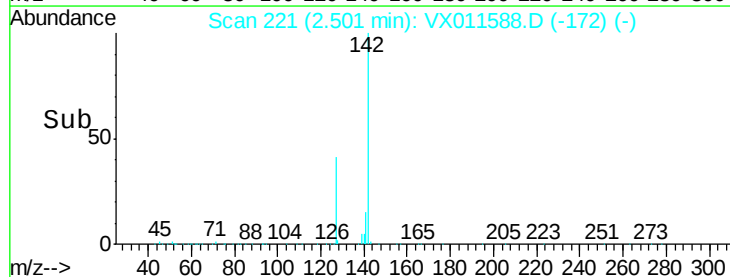
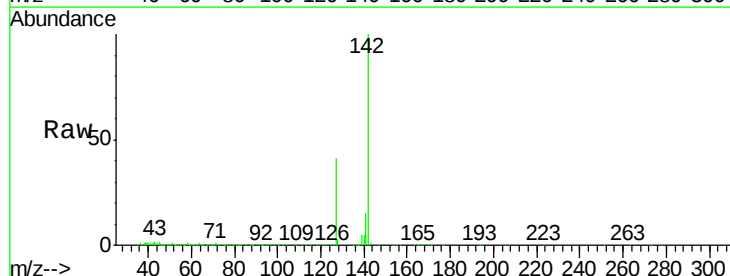
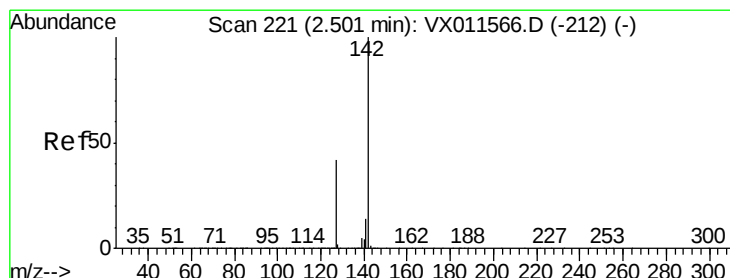
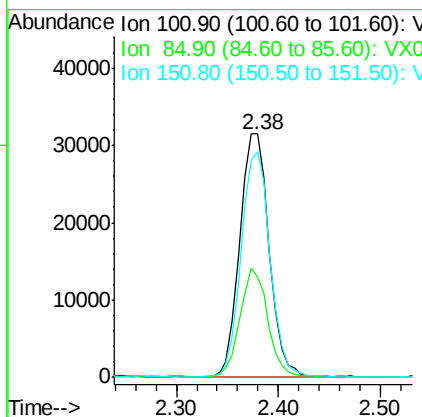
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.161 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	63293		
85	42.5	33.0	49.4	
151	91.2	73.3	109.9	

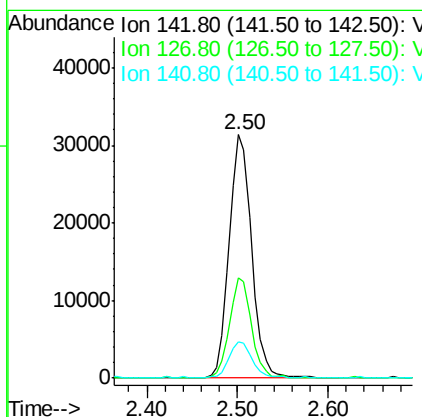
Manual Integrations
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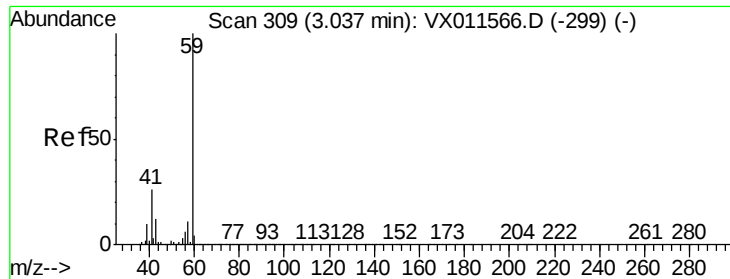
MMDadoda
8/19/2019 10:30:52 AM



#10
Methyl Iodide
Concen: 10.900 ug/l
RT: 2.50 min Scan# 221
Delta R.T. 0.00 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	54116		
127	40.2	32.8	49.2	
141	15.7	11.4	17.2	





#11

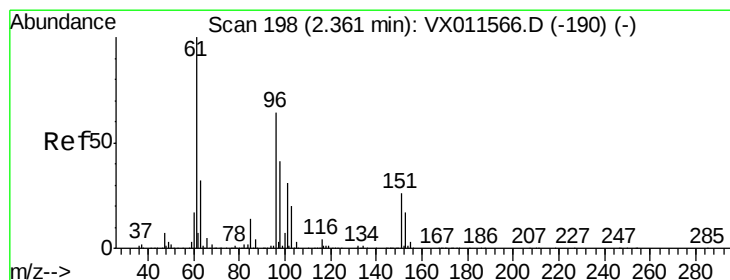
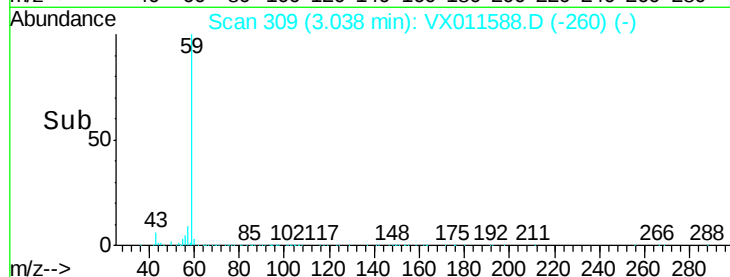
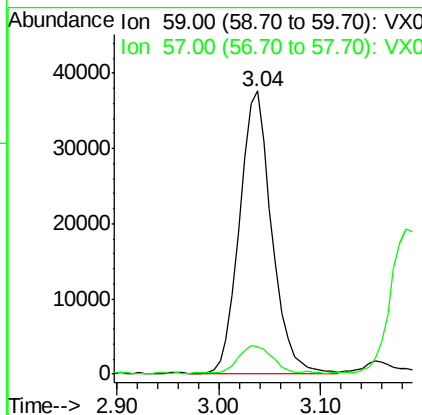
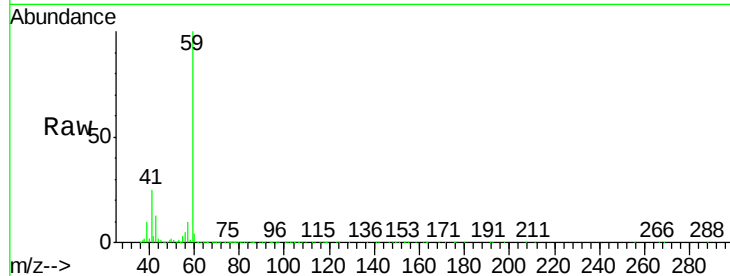
Tert butyl alcohol
Concen: 91.391 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.3	8.7	13.1

Manual Integrations
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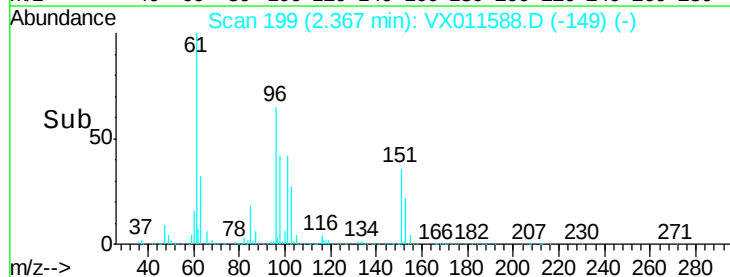
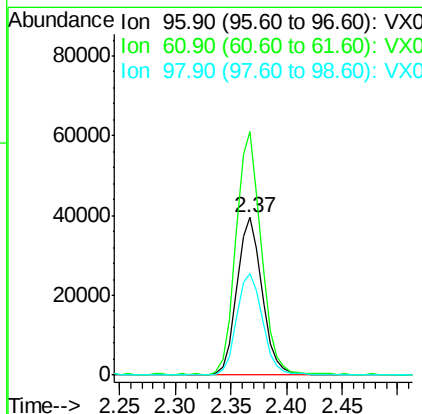
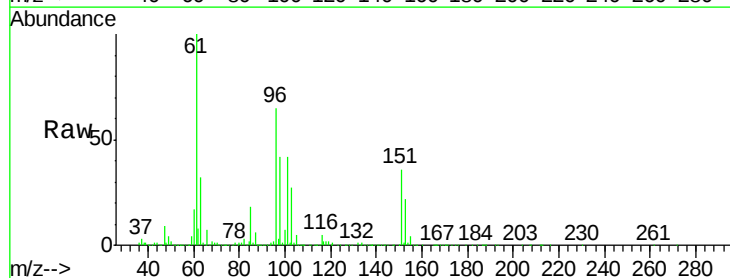
MMDadoda
8/19/2019 10:30:52 AM

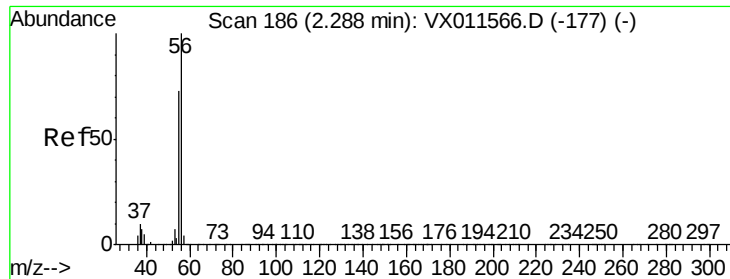


#12

1,1-Dichloroethene
Concen: 18.527 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.01 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	154.1	125.0	187.4
98	98	64.4	51.5	77.3





#13

Acrolein

Concen: 103.044 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBSD01

Tot Ion: 56 Resp: 26412

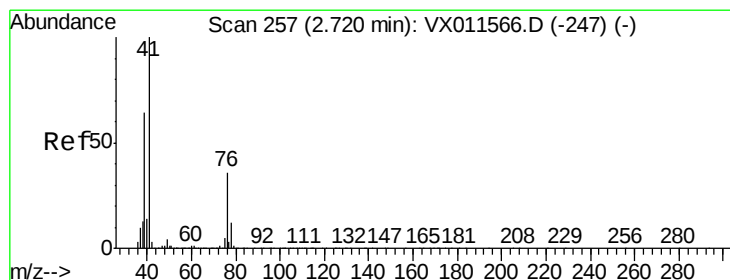
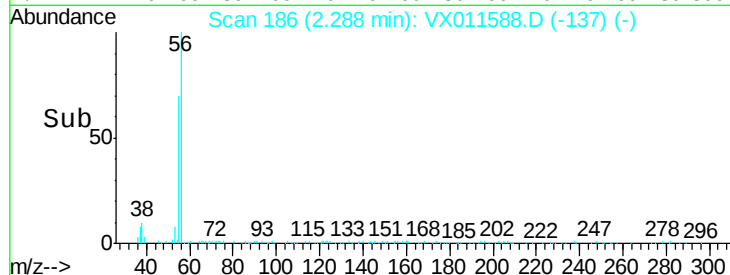
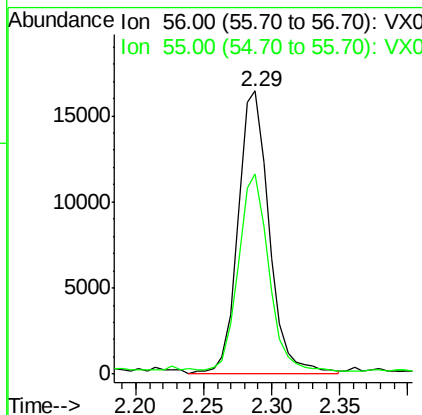
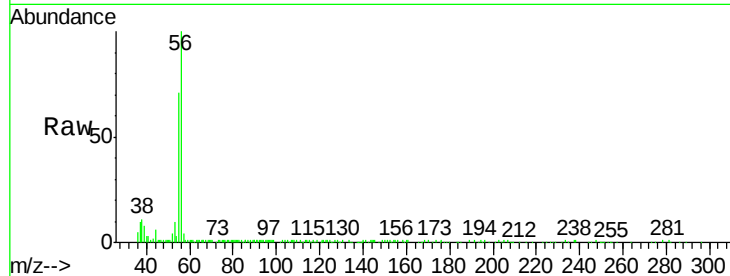
Ion Ratio Lower Upper

56 100

55 67.4 55.5 83.3

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#14

Allyl chloride

Concen: 18.213 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

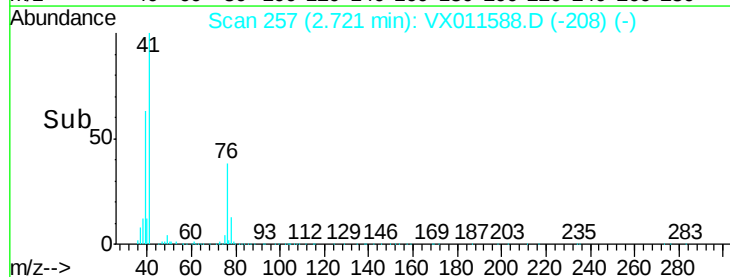
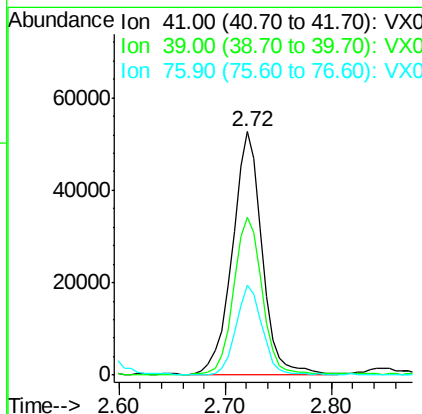
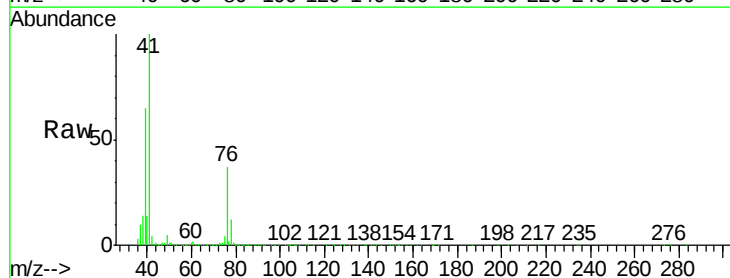
Tgt Ion: 41 Resp: 102041

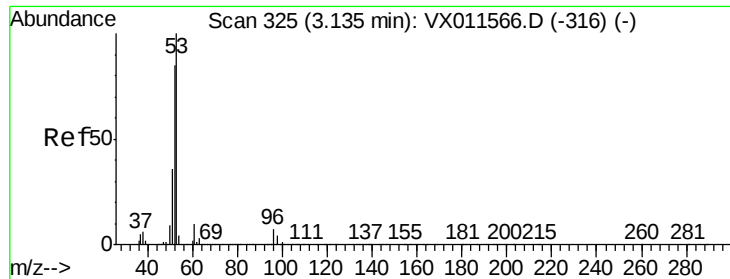
Ion Ratio Lower Upper

41 100

39 62.0 47.5 71.3

76 32.5 26.3 39.5





#15

Acrylonitrile

Concen: 93.823 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Instrument :

MSVOA_X

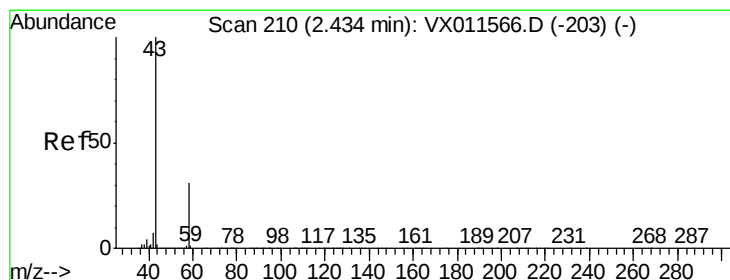
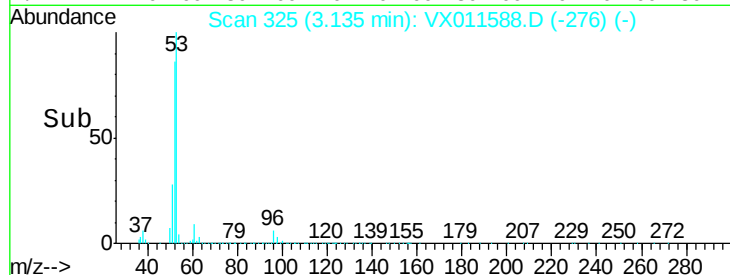
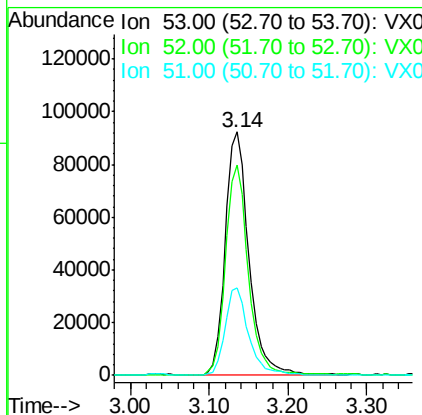
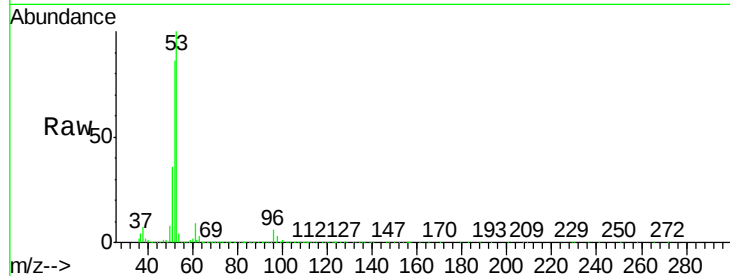
ClientSampleId :

VX0816WBSD01

Tot Ion:	53	Resp:	192978
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.7	100.1
51	35.5	28.7	43.1

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#16

Acetone

Concen: 88.894 ug/l

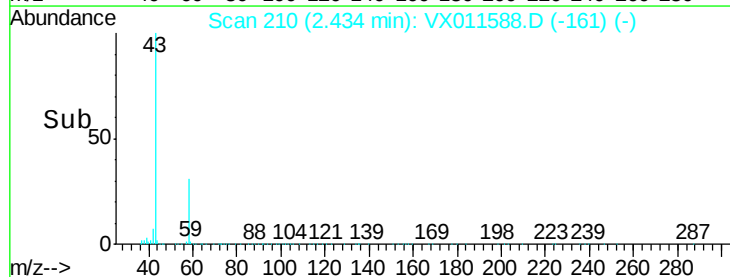
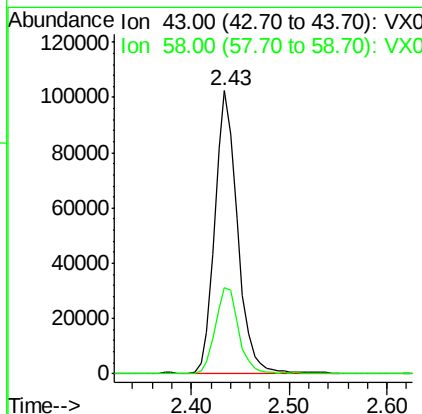
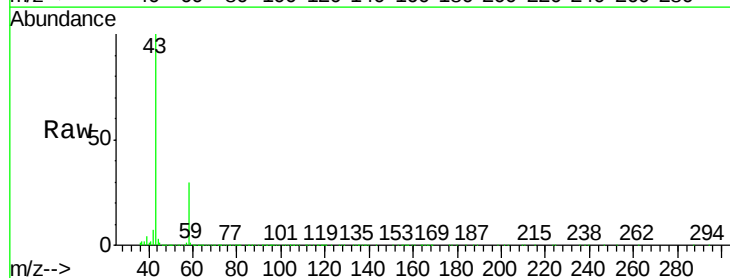
RT: 2.43 min Scan# 210

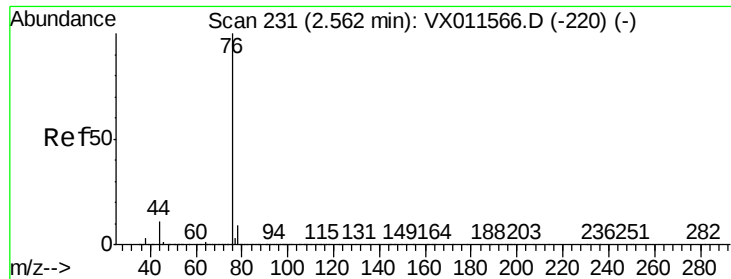
Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Tgt Ion:	43	Resp:	163736
Ion Ratio	Lower	Upper	
43	100		
58	30.4	25.2	37.8





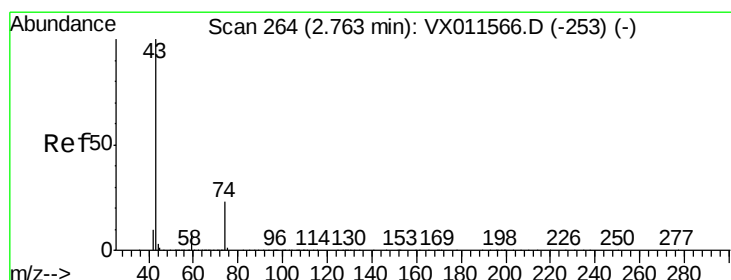
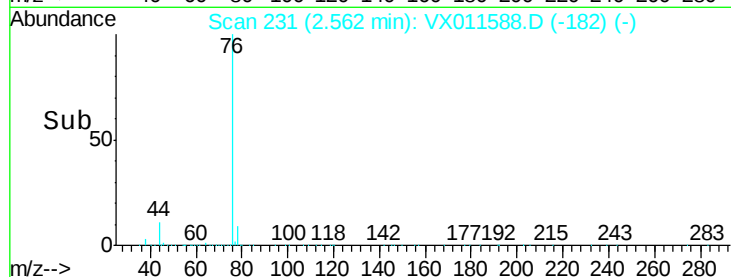
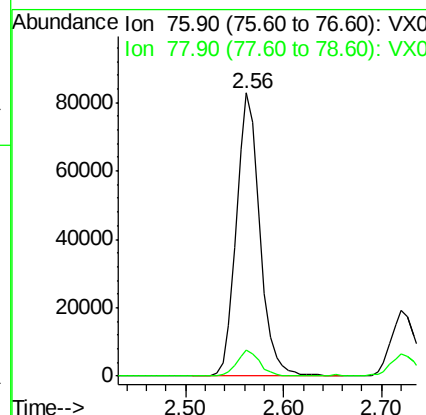
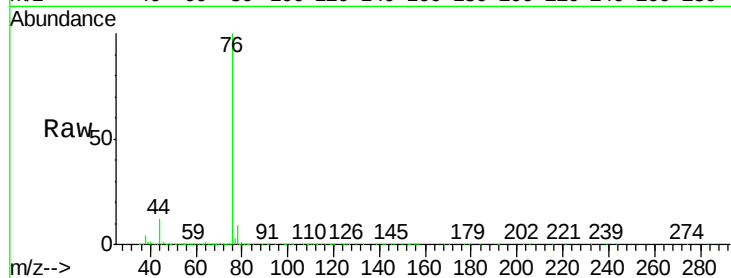
#17
Carbon Disulfide
Concen: 17.268 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

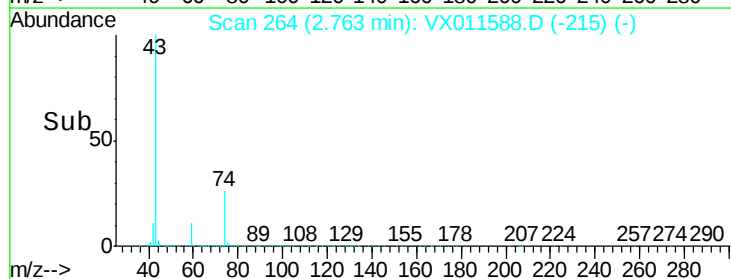
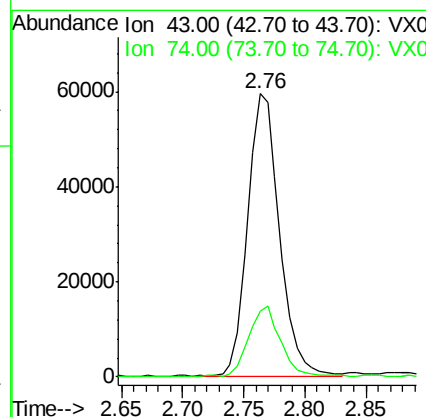
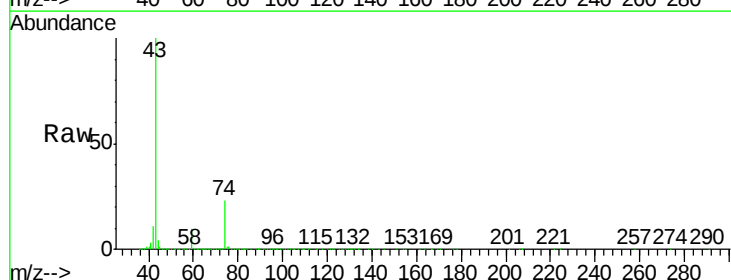
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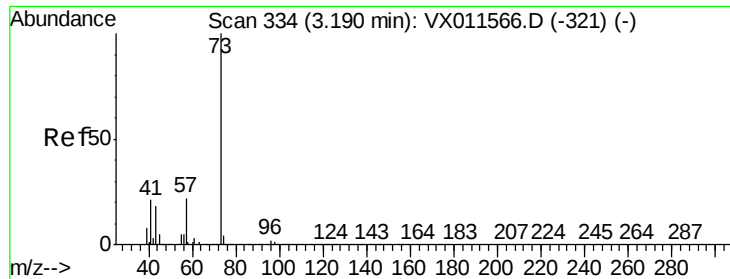
MMDadoda
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#18
Methyl Acetate
Concen: 18.883 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	19.7	29.5





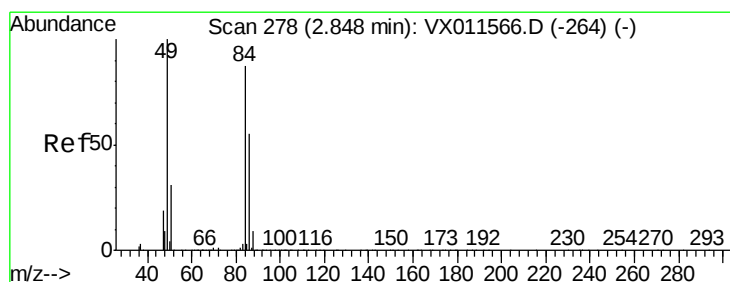
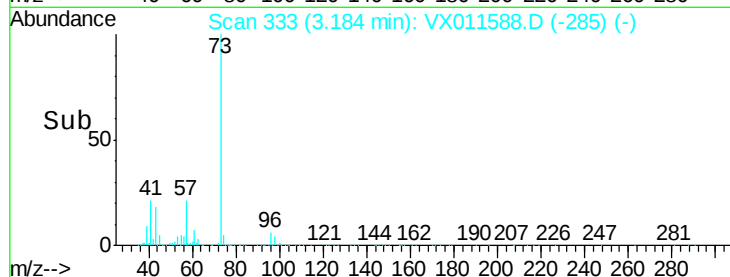
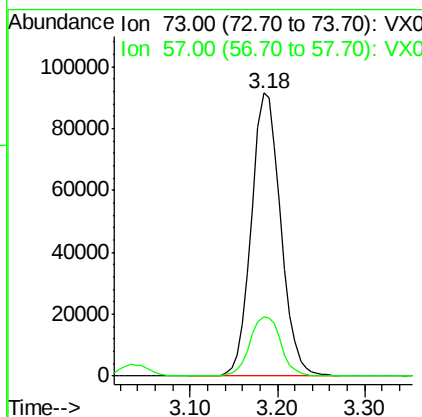
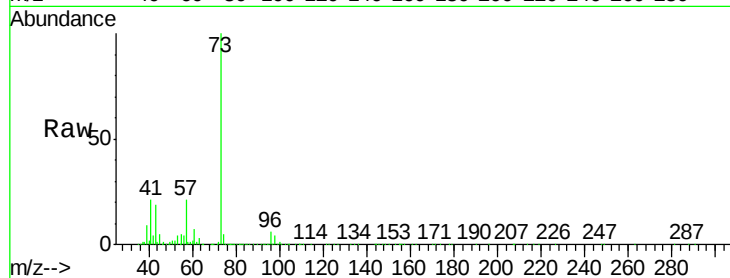
#19
Methvl tert-butvl Ether
Concen: 19.489 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.01 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.2	25.8

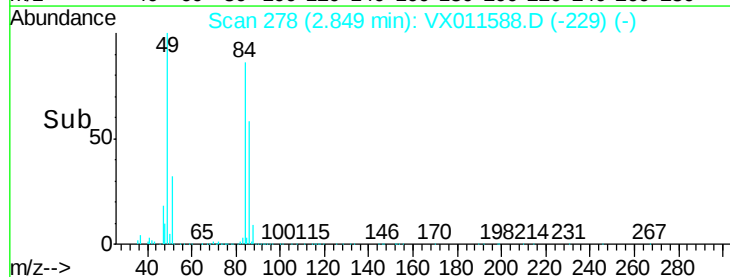
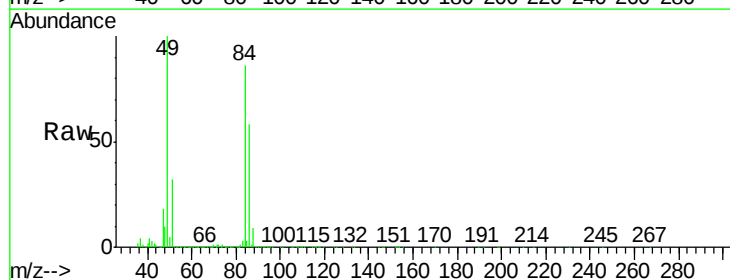
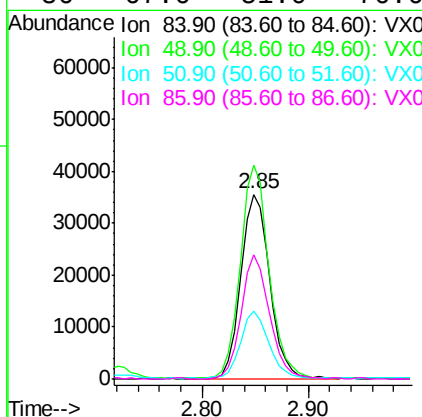
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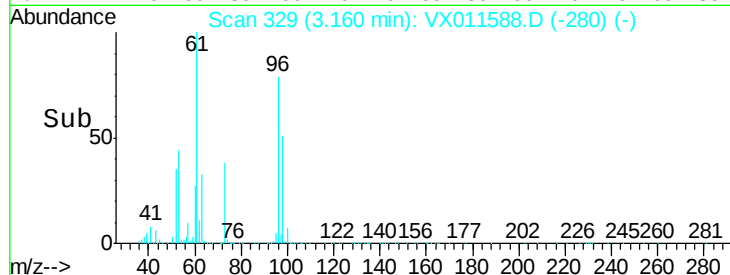
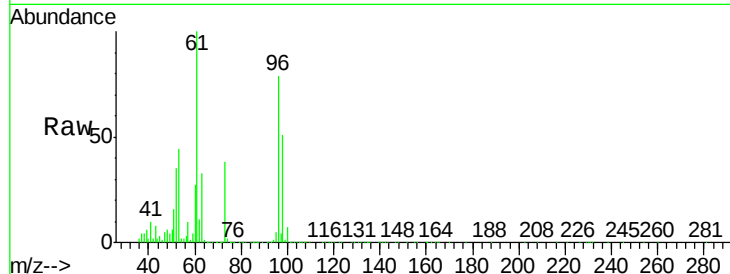
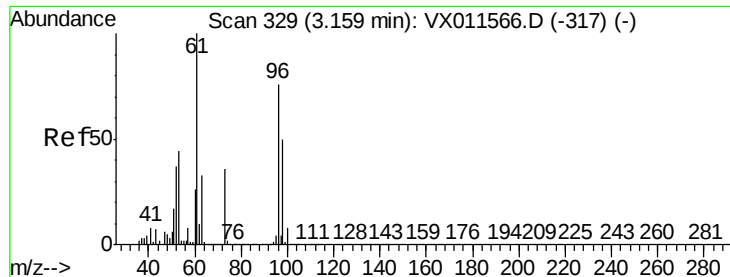
MMDadoda
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#20
Methylene Chloride
Concen: 17.608 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.5	92.4	138.6
51	36.5	28.5	42.7
86	67.6	51.0	76.6





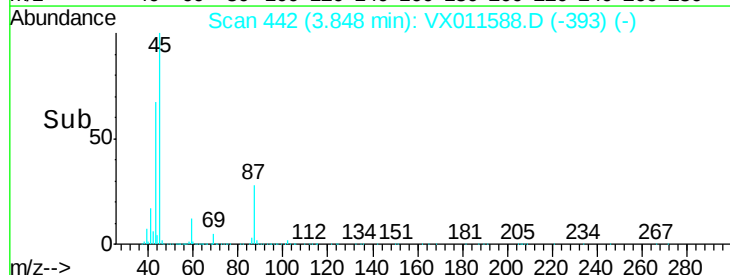
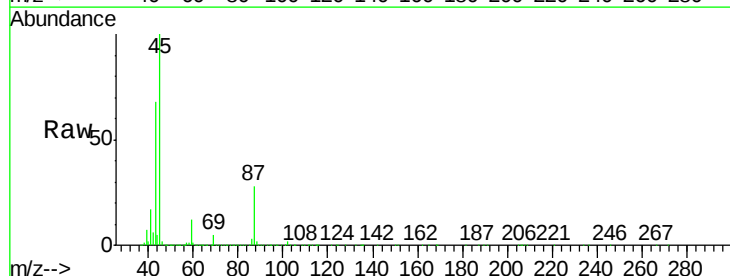
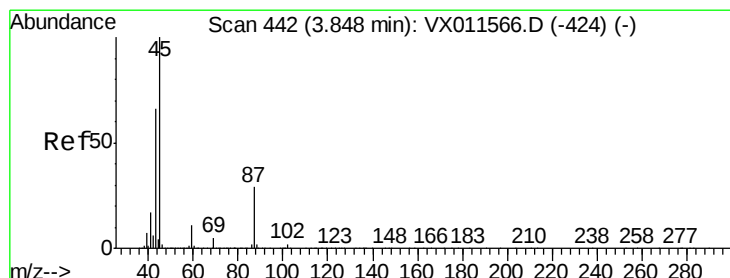
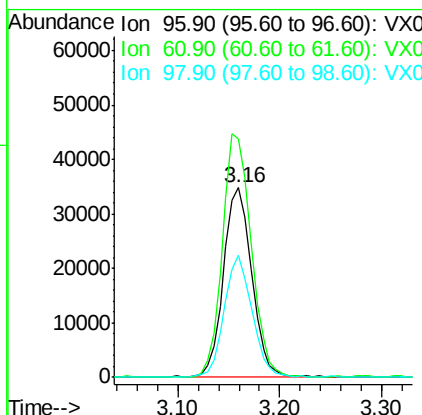
#21
trans-1,2-Dichloroethene
Concen: 18.665 ug/l
RT: 3.16 min Scan# 329
Delta R.T. 0.00 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Tot Ion:	96	Resp:	66620
Ion	Ratio	Lower	Upper
96	100		
61	125.7	105.5	158.3
98	63.9	52.6	78.8

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD01

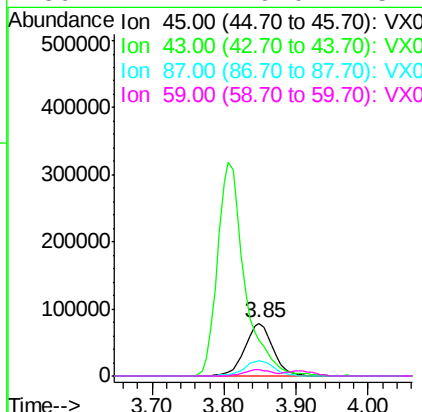
Manual Integrations
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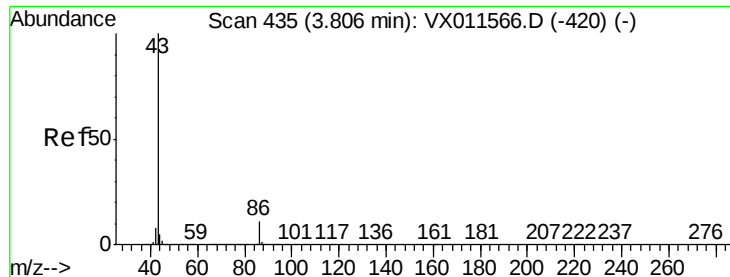
MMDadoda
8/19/2019 10:30:52 AM



#22
Diisopropyl ether
Concen: 18.928 ug/l
RT: 3.85 min Scan# 442
Delta R.T. 0.00 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Tgt Ion:	45	Resp:	211192
Ion	Ratio	Lower	Upper
45	100		
43	67.3	52.7	79.1
87	28.0	23.5	35.3
59	11.4	9.0	13.4





#23

Vinyl Acetate

Concen: 94.682 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Instrument :

MSVOA_X

ClientSampled :

VX0816WBSD01

Tot Ion: 43 Resp: 836571

Ion Ratio Lower Upper

43 100

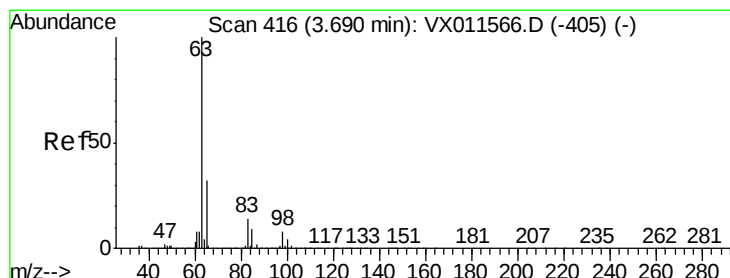
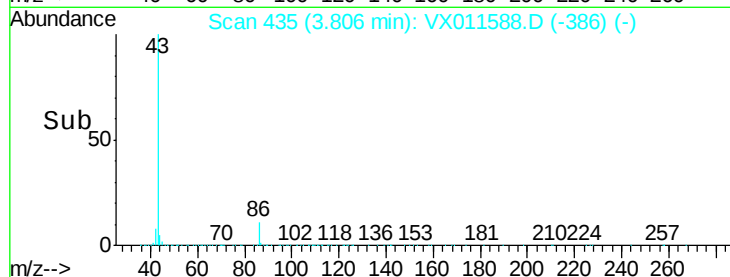
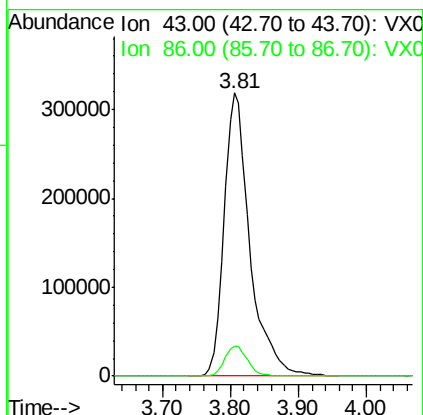
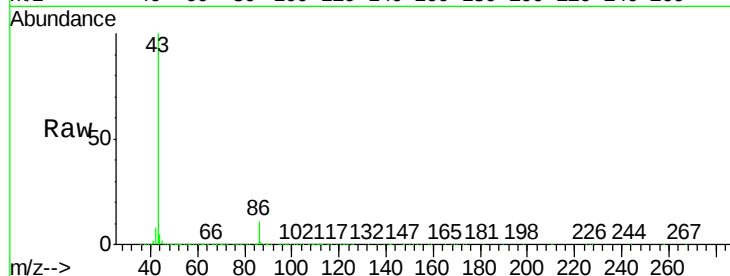
86 10.8 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.426 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

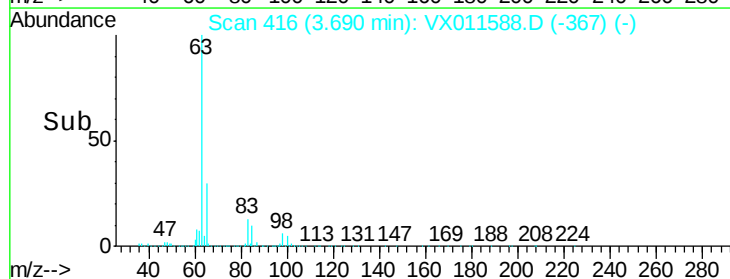
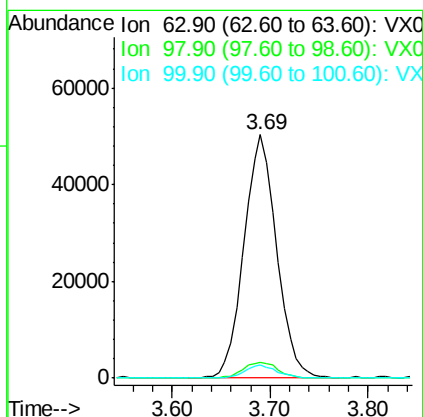
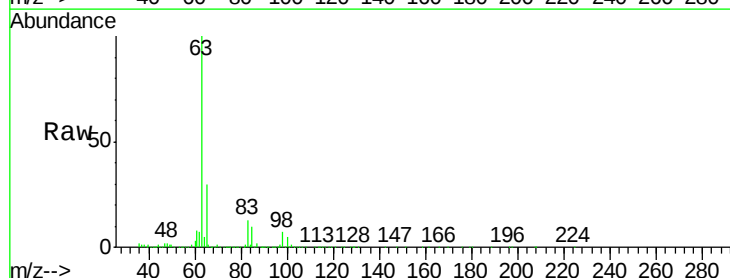
Tgt Ion: 63 Resp: 116241

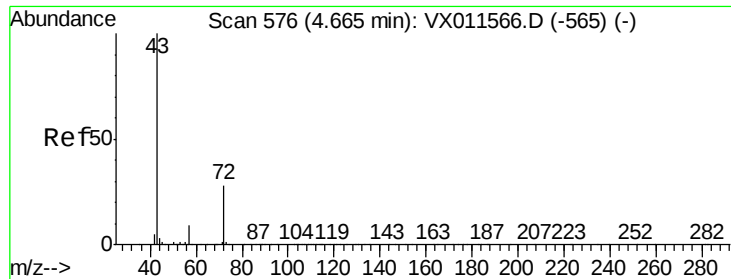
Ion Ratio Lower Upper

63 100

98 6.6 3.7 11.1

100 5.3 2.1 6.3





#25

2-Butanone

Concen: 93.272 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBSD01

Tot Ion: 43 Resp: 269711

Ion Ratio Lower Upper

43 100

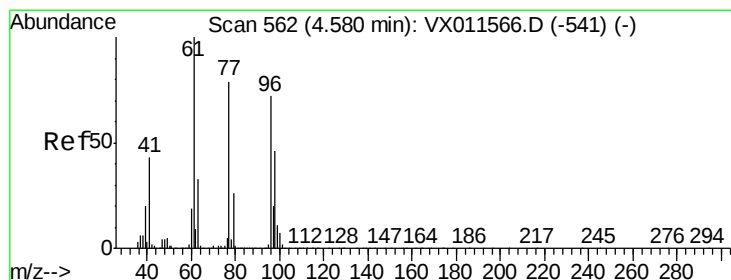
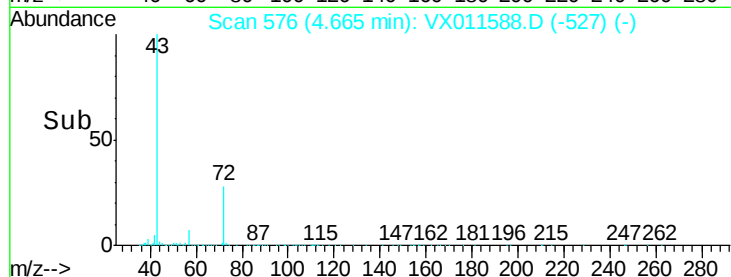
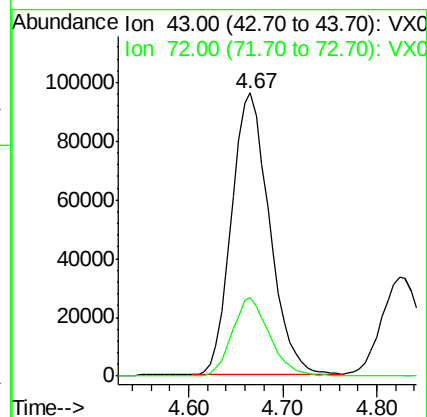
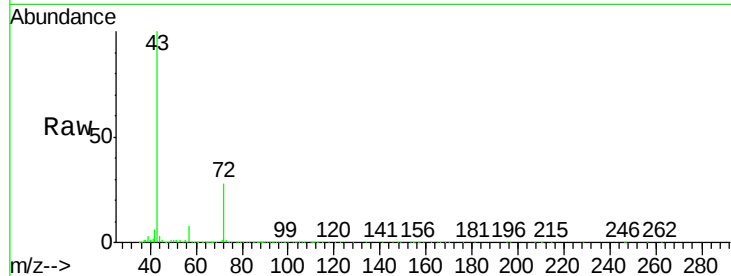
72 27.5 22.2 33.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.404 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX011588.D

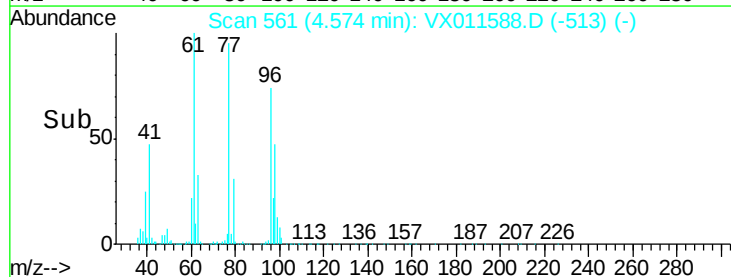
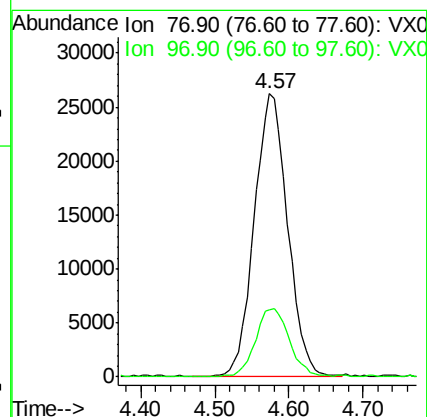
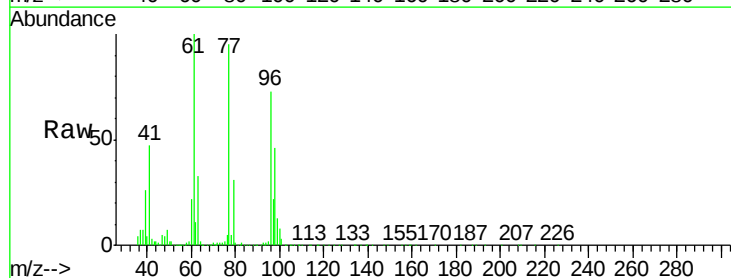
Acq: 16 Aug 2019 17:58

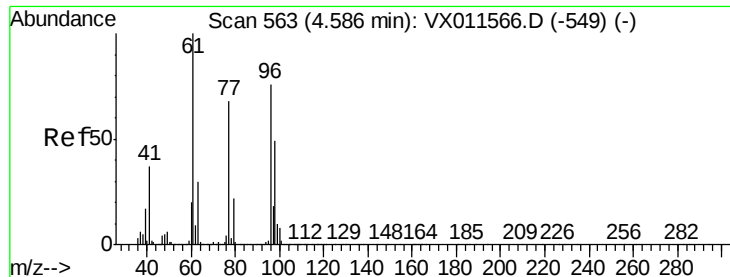
Tgt Ion: 77 Resp: 82637

Ion Ratio Lower Upper

77 100

97 24.6 12.4 37.2





#27

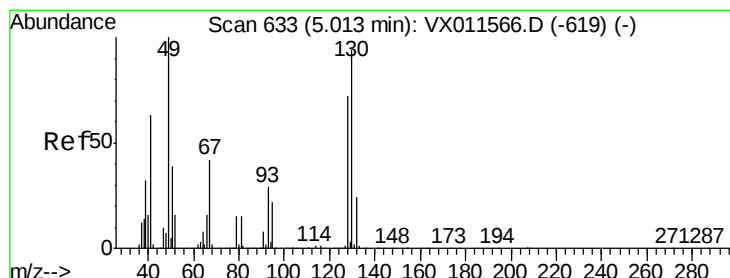
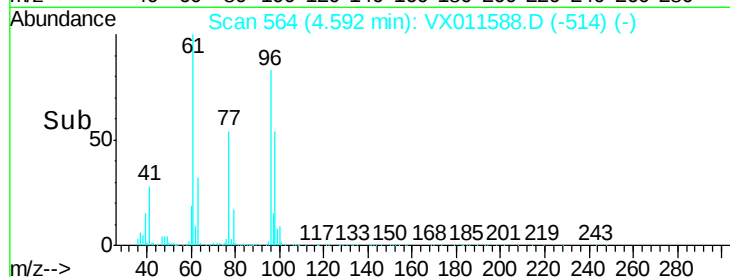
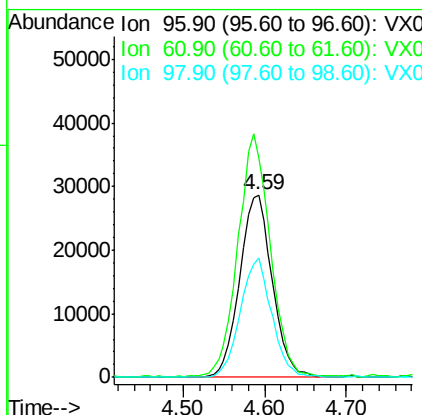
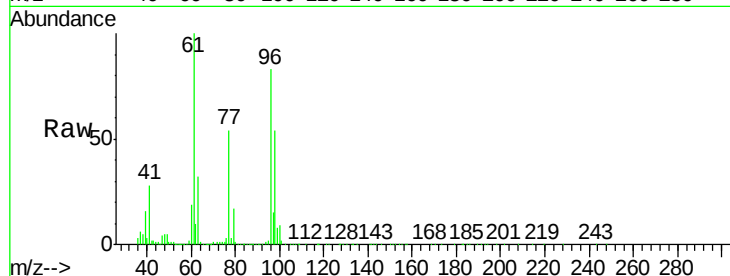
cis-1,2-Dichloroethene
Concen: 18.966 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.01 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	78915		
61	135.3	0.0	272.6	
98	63.9	0.0	129.4	

Manual Integrations
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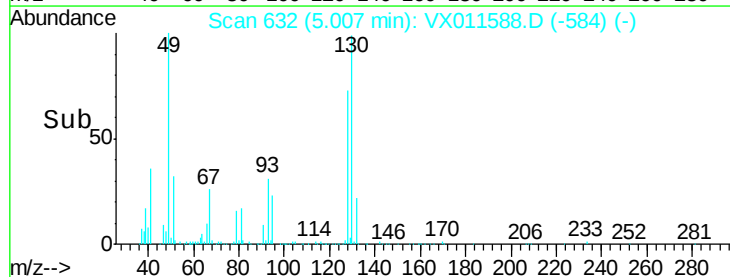
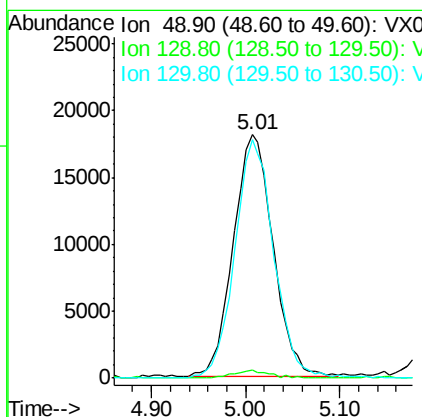
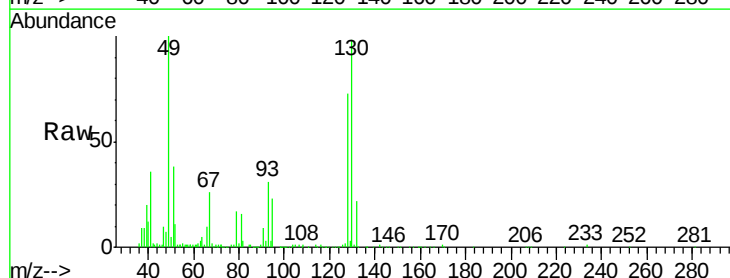
MMDadoda
8/19/2019 10:30:52 AM

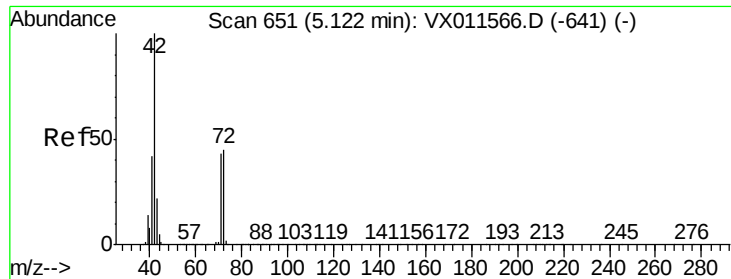


#28

Bromochloromethane
Concen: 19.201 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	53175		
129	3.0	0.0	5.0	
130	97.5	76.6	115.0	





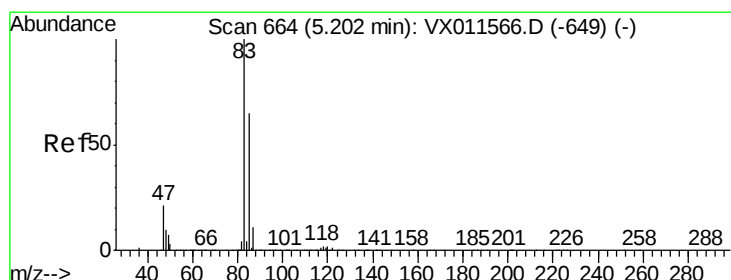
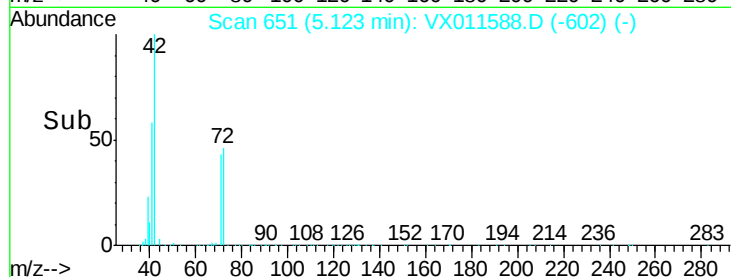
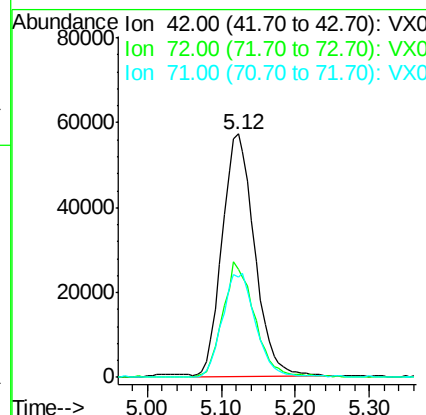
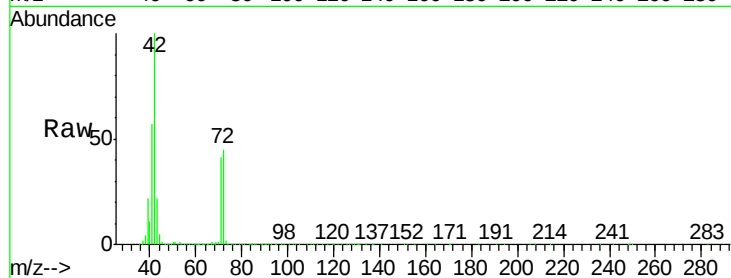
#29
Tetrahydrofuran
Concen: 91.903 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.00 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	36.1	54.1
71	43.7	33.8	50.8

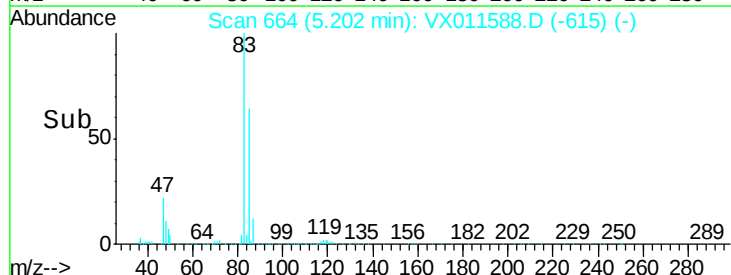
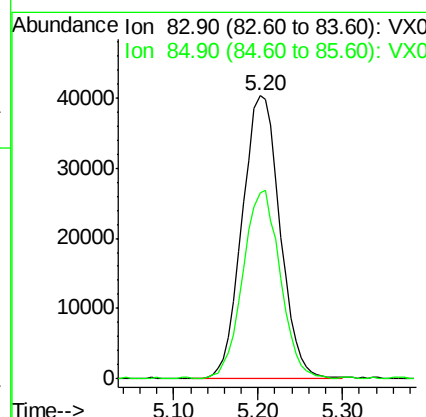
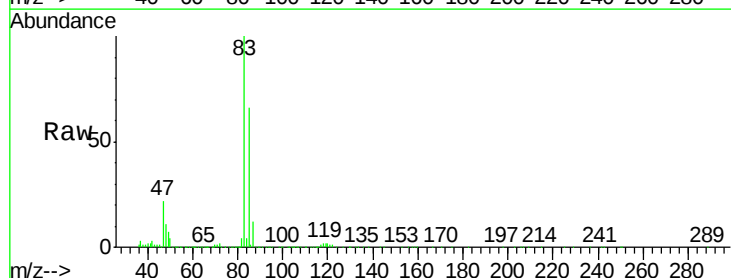
Manual Integrations
APPROVED

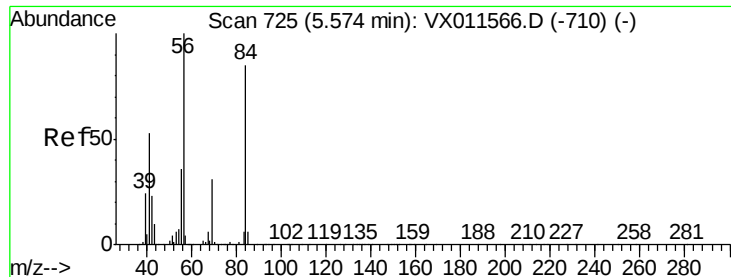
MMDadoda
8/19/2019 10:30:52 AM



#30
Chloroform
Concen: 18.303 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.9	77.9





#31

Cyclohexane

Concen: 19.727 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Instrument :

MSVOA_X

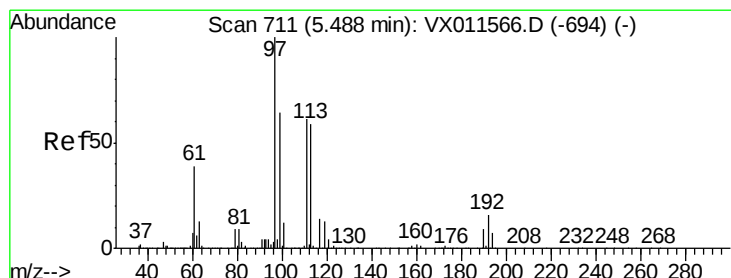
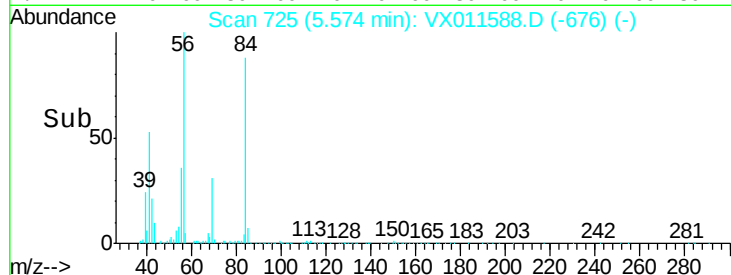
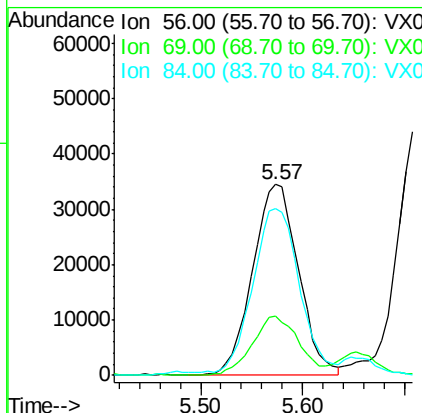
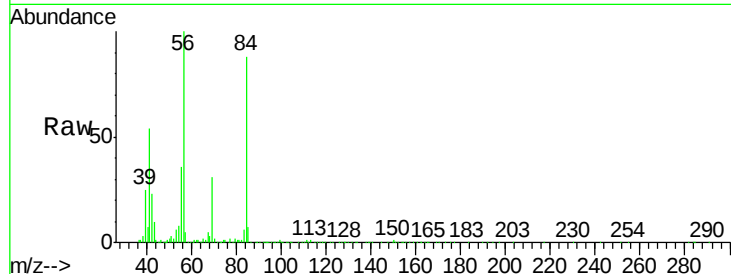
ClientSampleId :

VX0816WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	24.8	37.2
84	86.8	67.9	101.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.522 ug/l

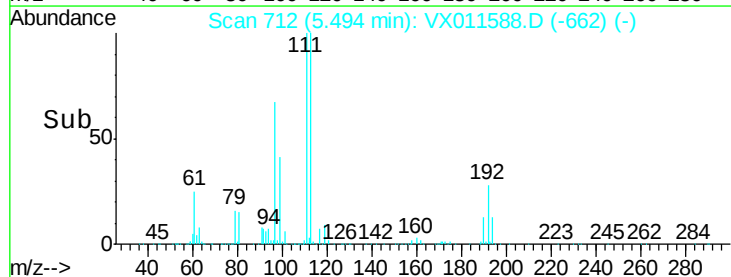
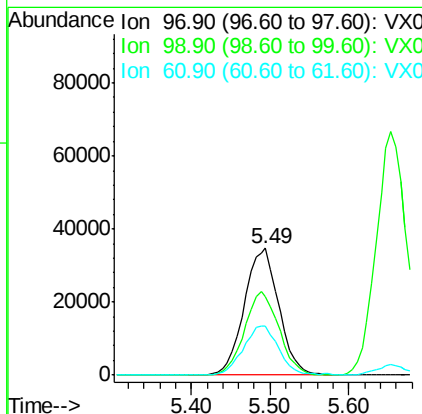
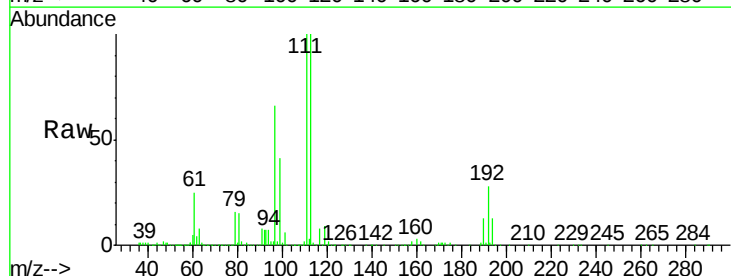
RT: 5.49 min Scan# 712

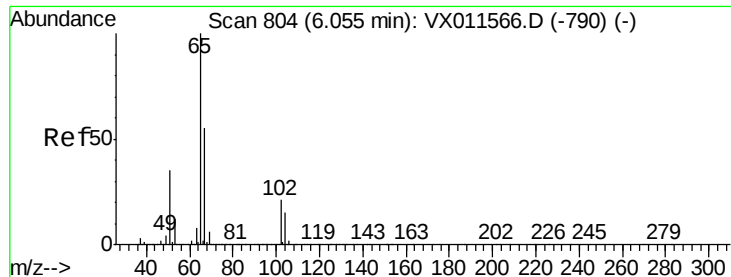
Delta R.T. 0.01 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.4	77.0
61	39.1	31.4	47.2





#33

1,2-Dichloroethane-d4

Concen: 44.060 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBSD01

Tot Ion: 65 Resp: 161400

Ion Ratio Lower Upper

65 100

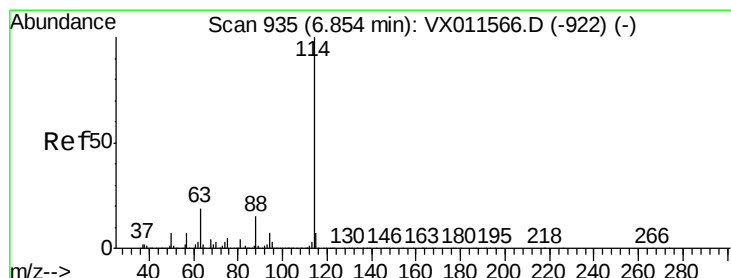
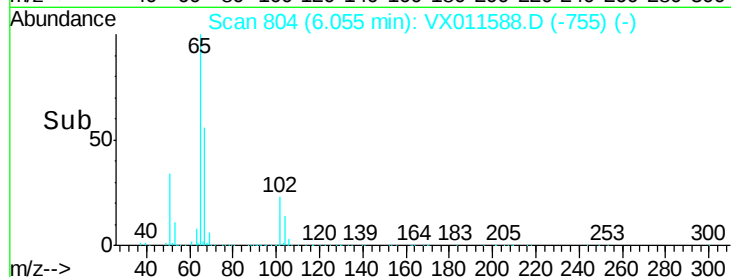
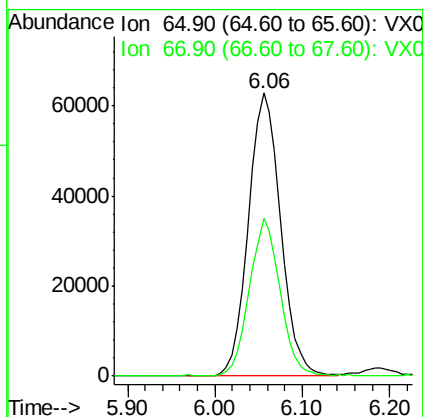
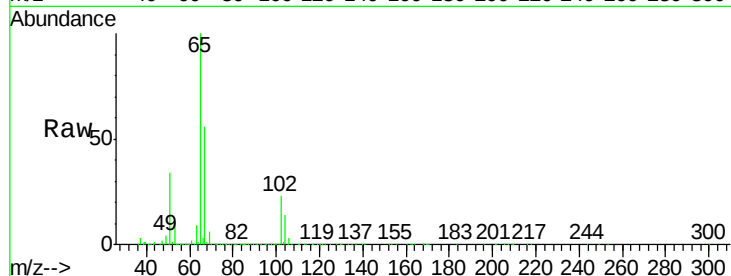
67 53.3 0.0 107.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

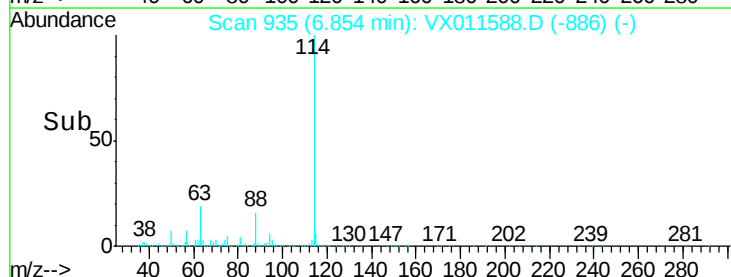
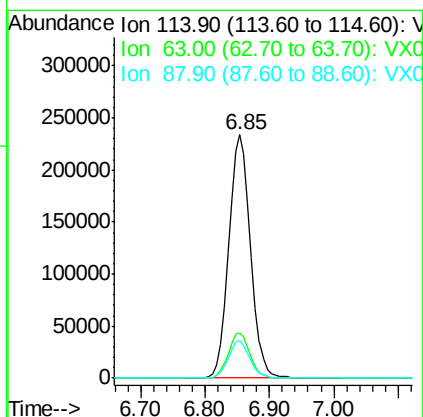
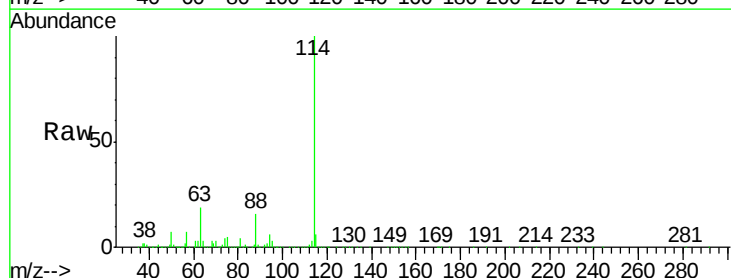
Tgt Ion: 114 Resp: 552227

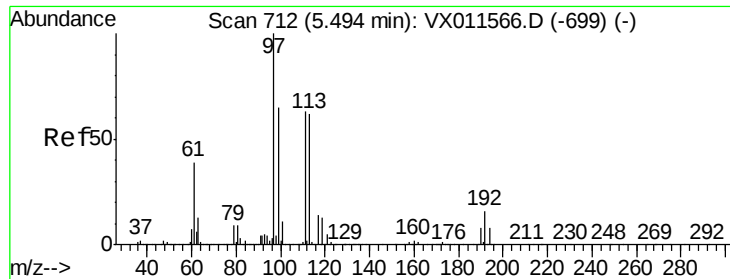
Ion Ratio Lower Upper

114 100

63 18.5 0.0 37.8

88 15.6 0.0 30.2





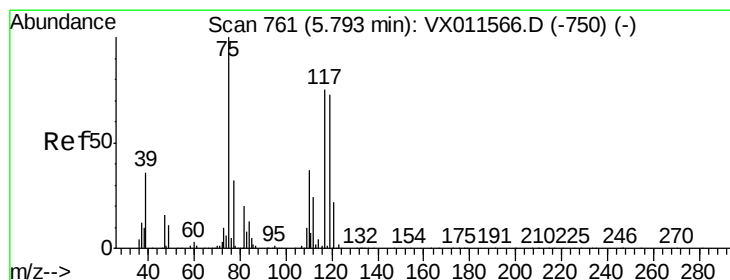
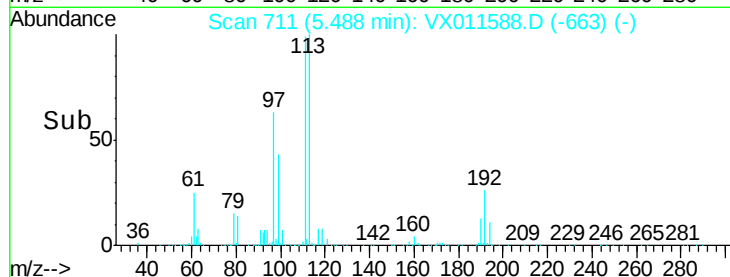
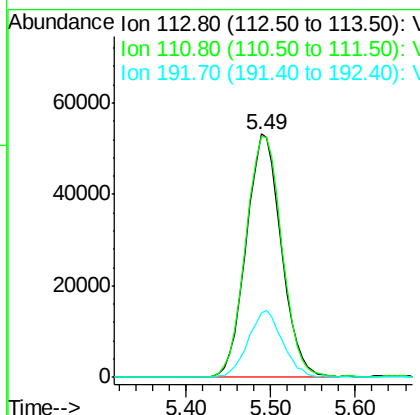
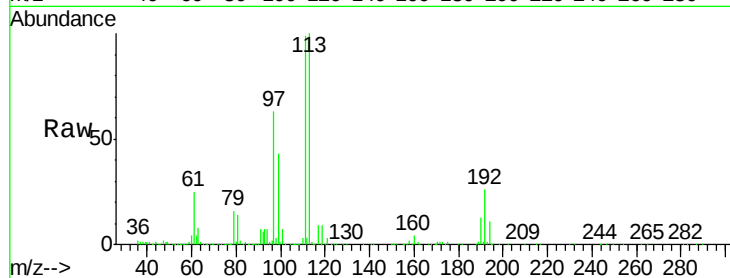
#35
 Dibromofluoromethane
 Concen: 41.760 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011588.D
 Acq: 16 Aug 2019 17:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	150833		
111	102.2		81.1	121.7
192	27.0		20.8	31.2

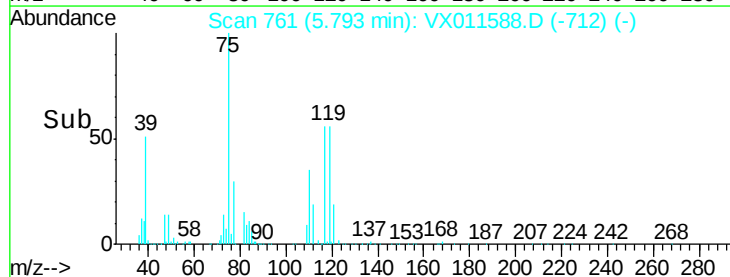
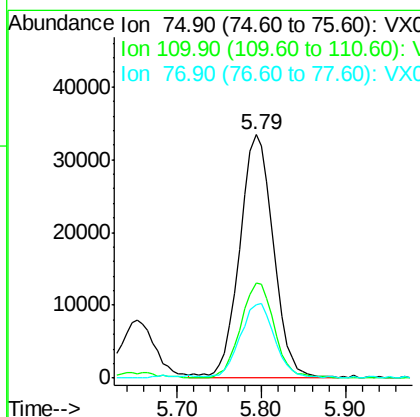
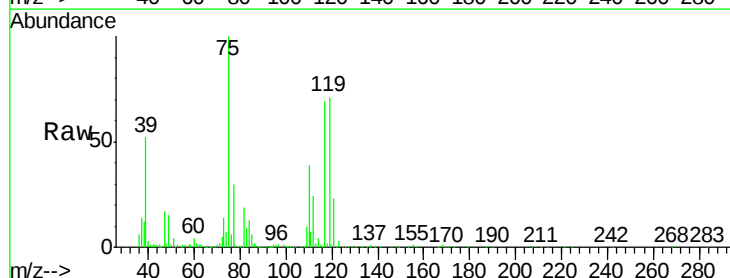
Manual Integrations
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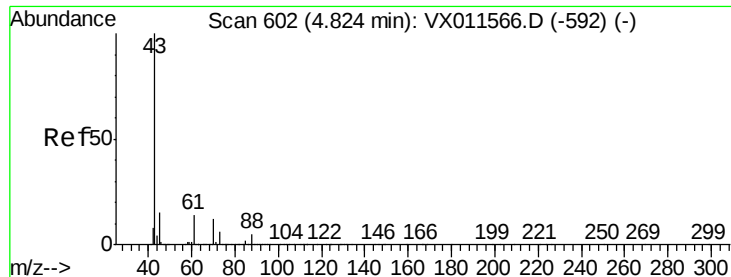
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 18.919 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VX011588.D
 Acq: 16 Aug 2019 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	89326		
110	39.8		19.4	58.1
77	31.0		25.1	37.7





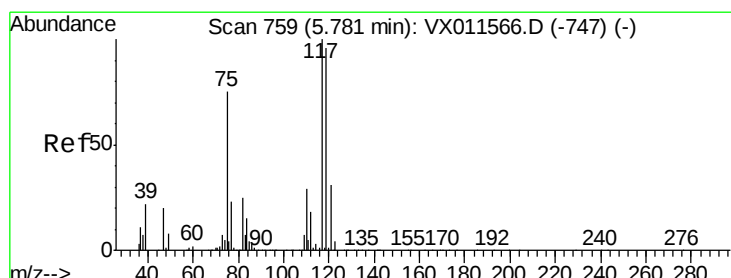
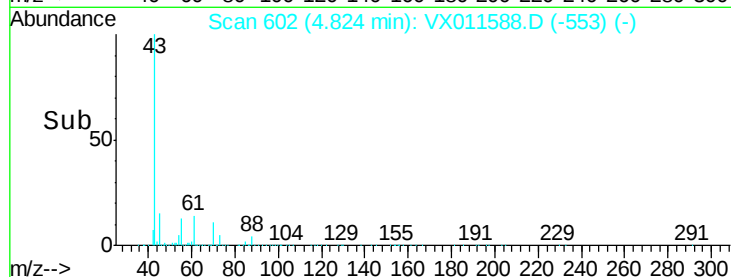
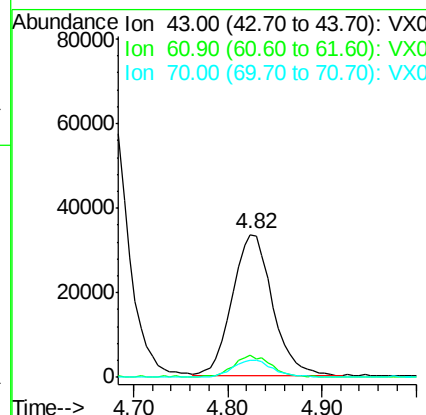
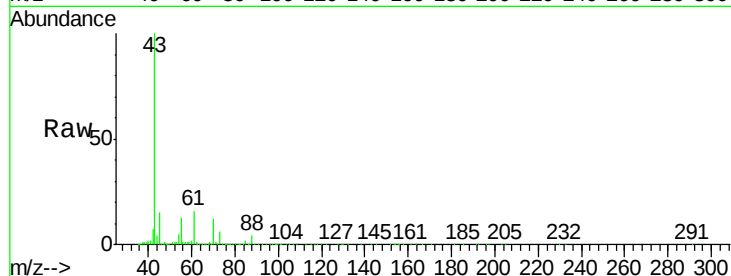
#37
Ethyl Acetate
Concen: 18.165 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.4	17.0
70	12.3	9.0	13.6

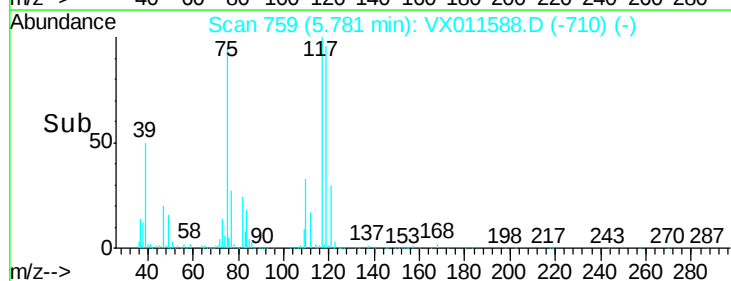
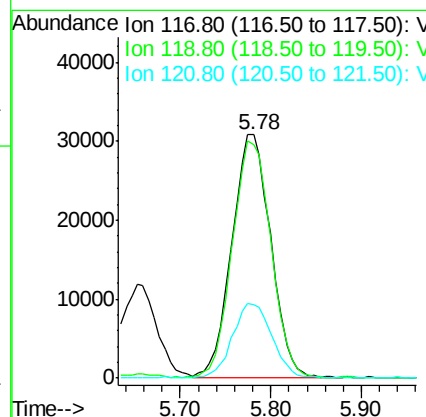
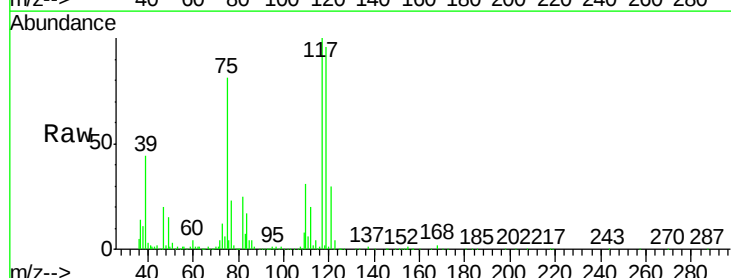
Manual Integrations
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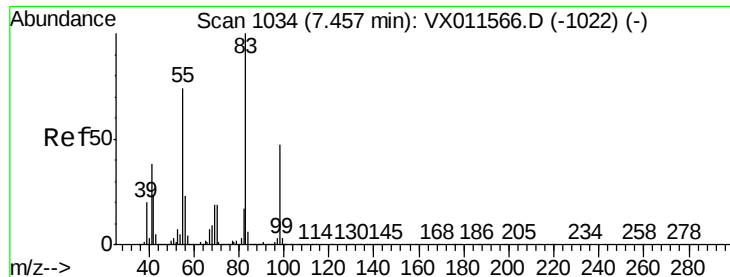
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#38
Carbon Tetrachloride
Concen: 17.619 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.9	115.3
121	29.9	24.8	37.2





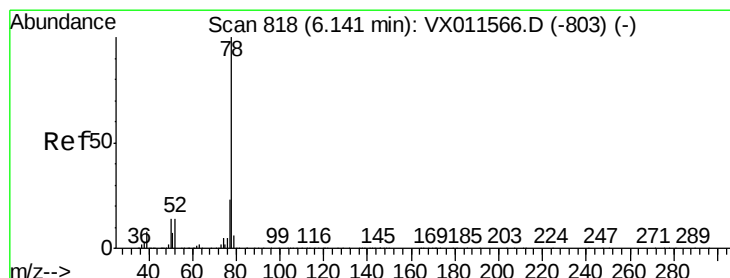
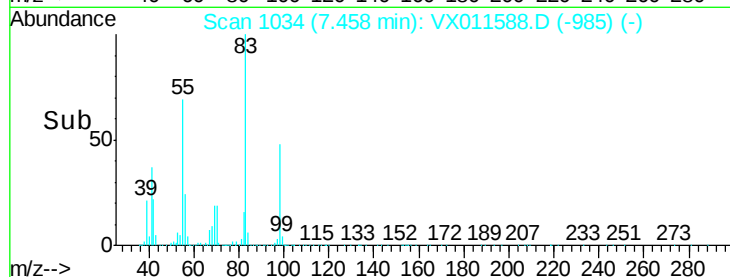
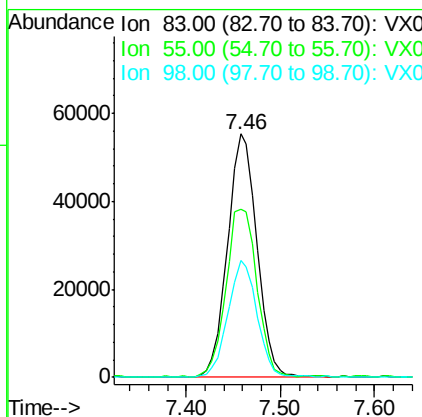
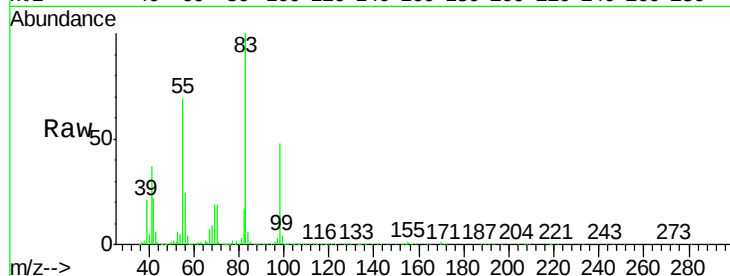
#39
Methvlcvclohexane
Concen: 20.515 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	119617		
55	68.6		58.8	88.2
98	47.7		37.8	56.6

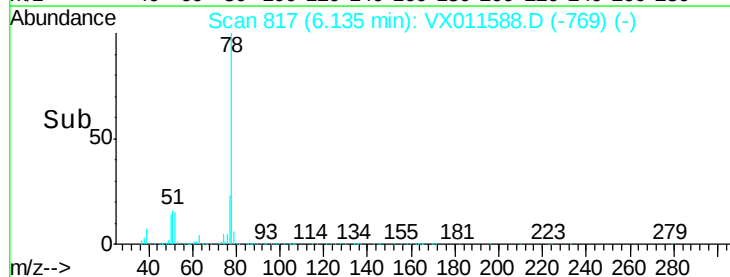
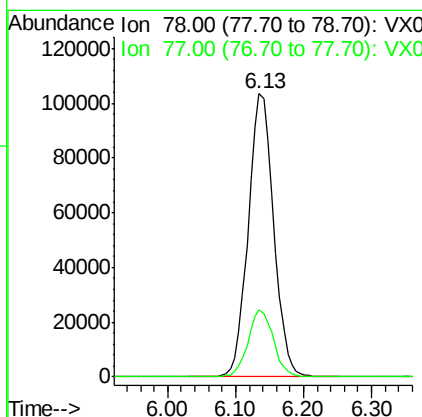
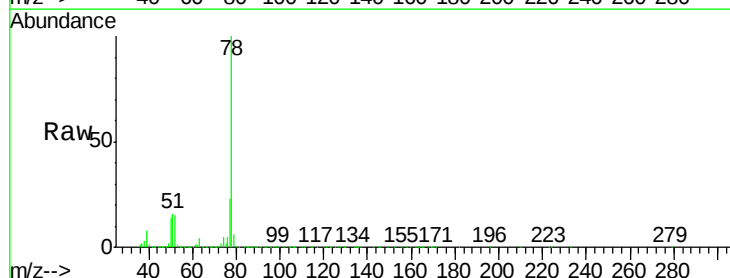
Manual Integrations
APPROVED

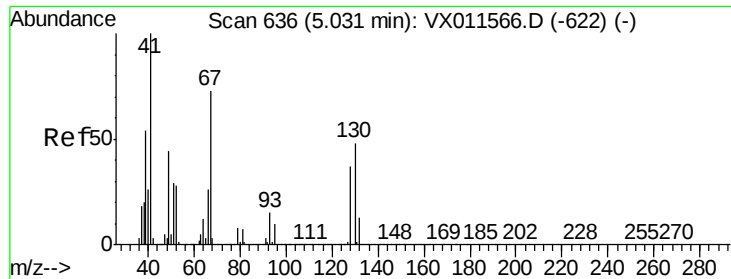
MMDadoda
8/19/2019 10:30:52 AM



#40
Benzene
Concen: 18.418 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	270240		
77	23.3		18.6	28.0





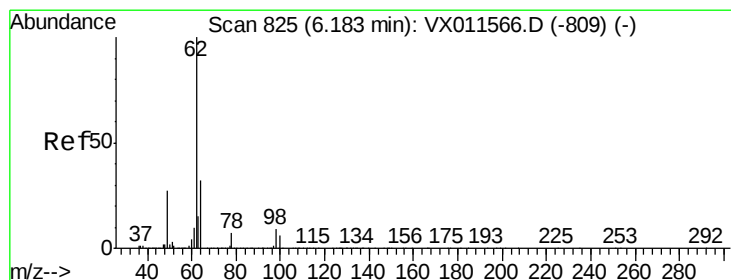
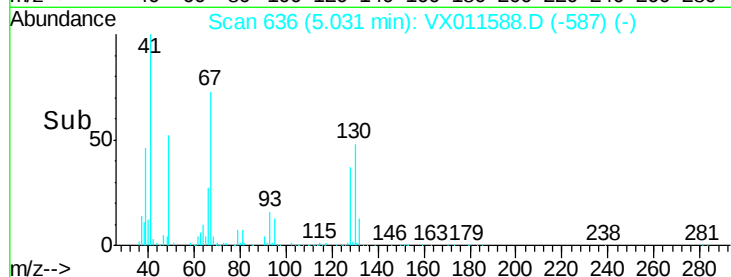
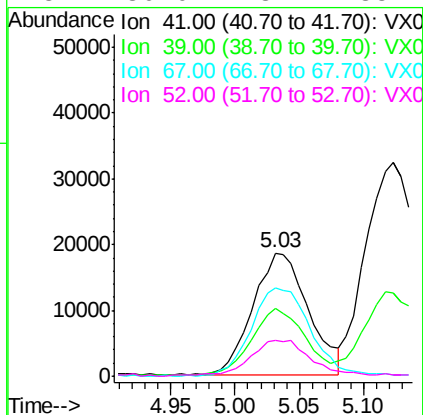
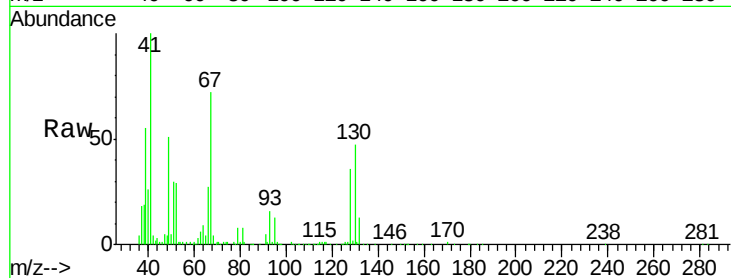
#41
Methacrylonitrile
Concen: 18.485 ug/l
RT: 5.03 min Scan# 636
Delta R.T. 0.00 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	43.5	65.3	
67	78.9	59.4	89.2	
52	30.0	23.4	35.2	

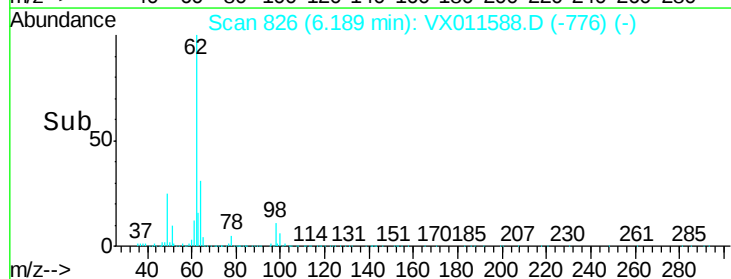
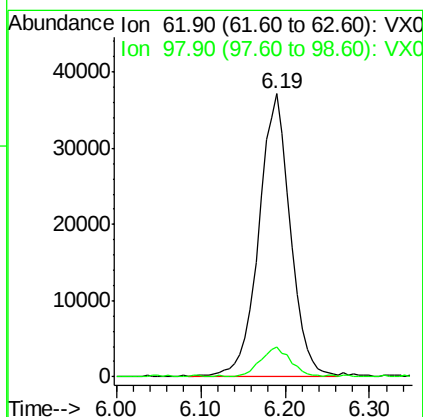
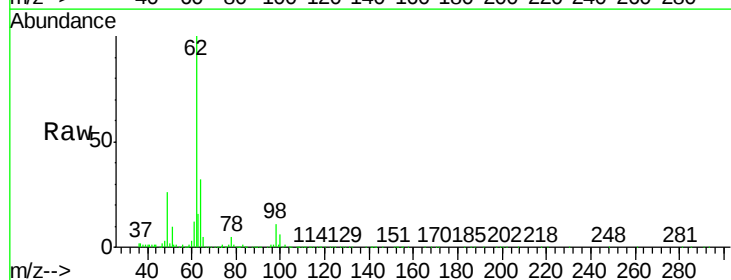
Manual Integrations
APPROVED

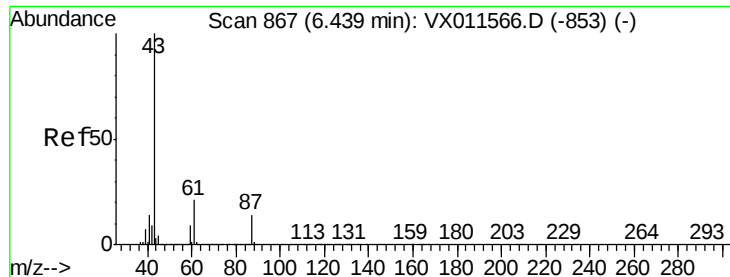
MMDadoda
8/19/2019 10:30:52 AM



#42
1,2-Dichloroethane
Concen: 18.639 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.01 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	0.0	19.4	





#43

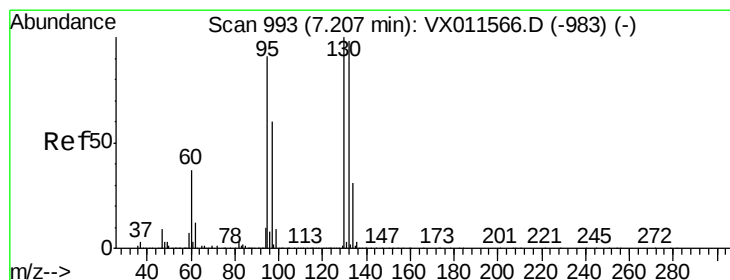
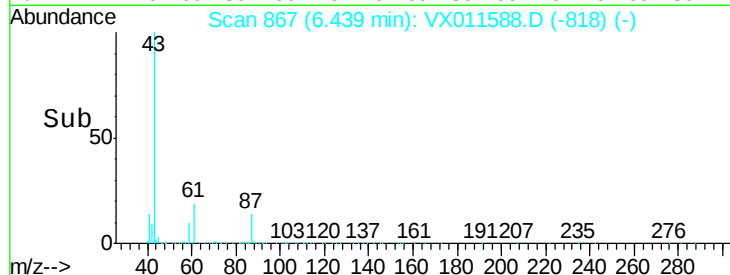
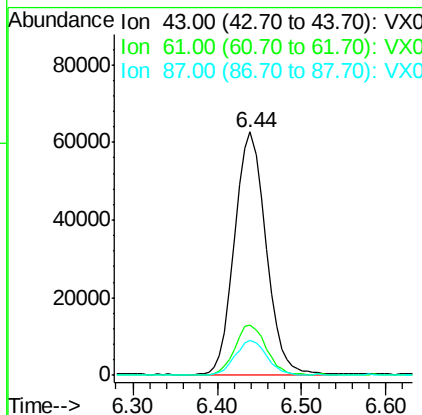
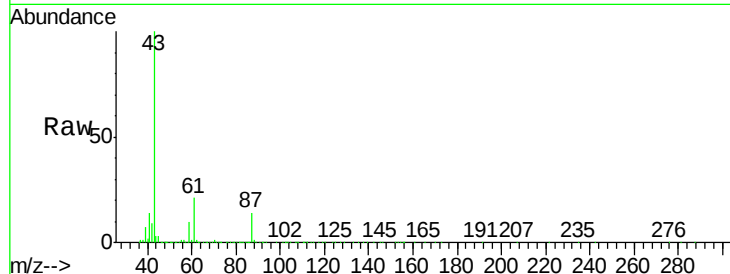
Isopropyl Acetate
 Concen: 18.572 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: VX011588.D
 Acq: 16 Aug 2019 17:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.6	24.8
87	14.8	11.4	17.2

Manual Integrations
 APPROVED

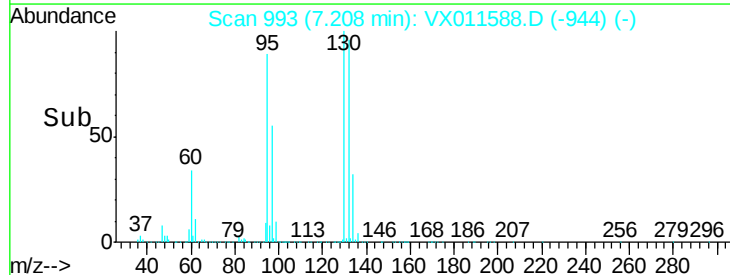
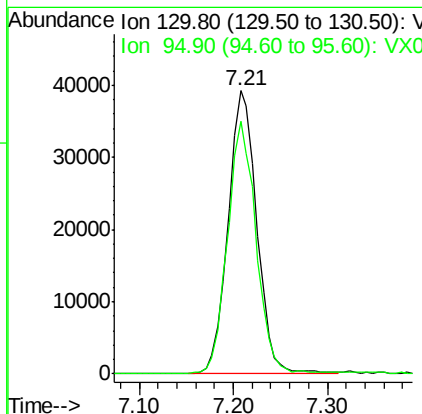
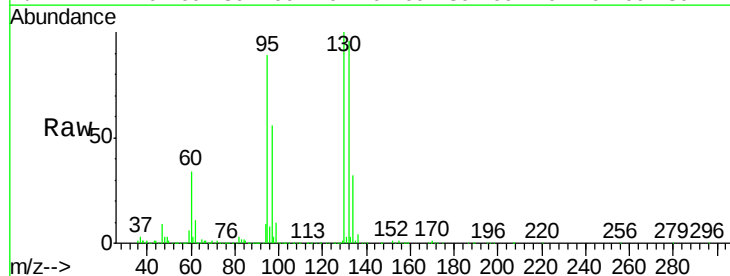
MMDadoda
 8/19/2019 10:30:52 AM

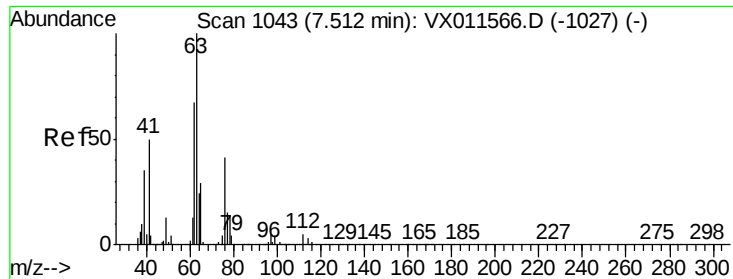


#44

Trichloroethene
 Concen: 19.089 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011588.D
 Acq: 16 Aug 2019 17:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.1	0.0	181.4





#45

1,2-Dichloropropane

Concen: 18.867 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Instrument :

MSVOA_X

ClientSampled :

VX0816WBSD01

Tot Ion: 63 Resp: 69036

Ion Ratio Lower Upper

63 100

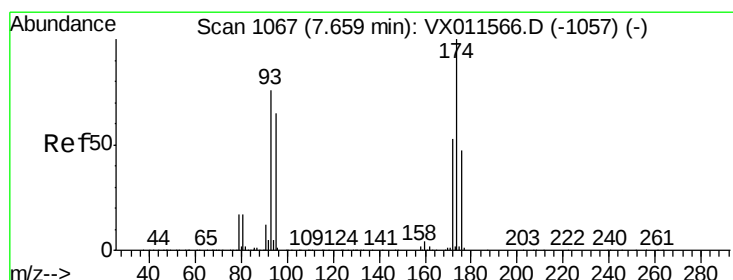
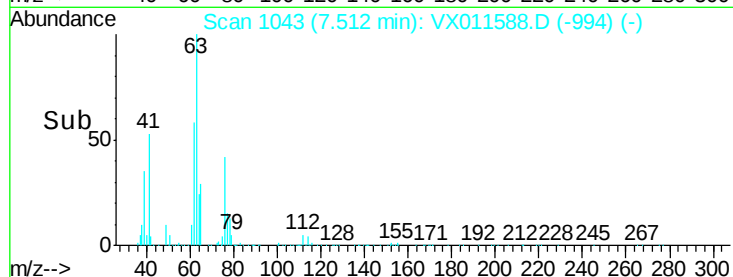
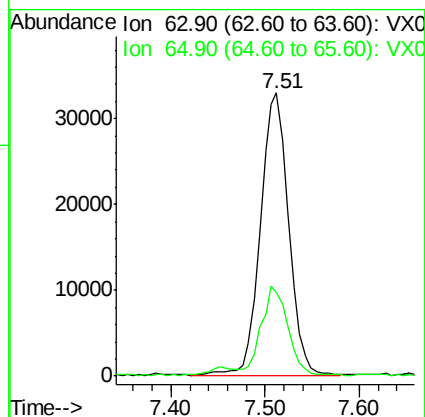
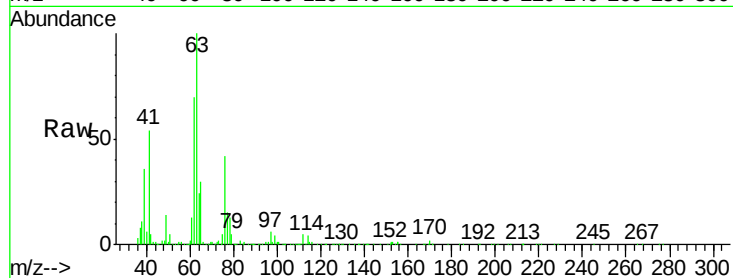
65 29.5 23.4 35.2

Manual Integrations

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MMDadoda

8/19/2019 10:30:52 AM



#46

Dibromomethane

Concen: 17.836 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

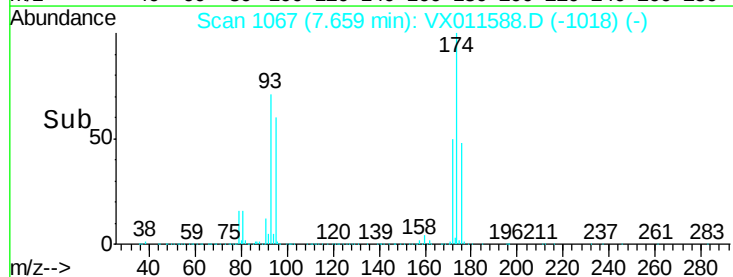
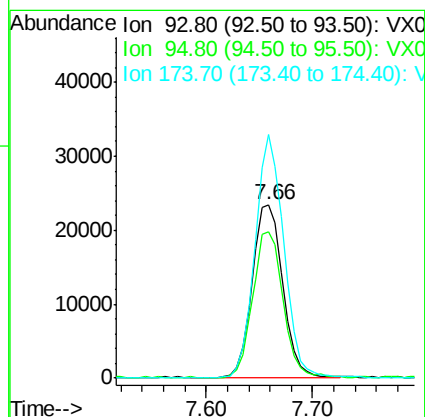
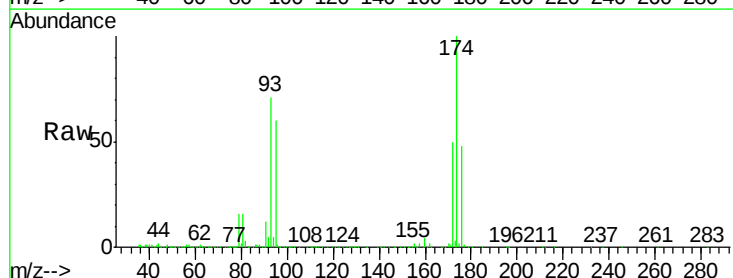
Tgt Ion: 93 Resp: 47427

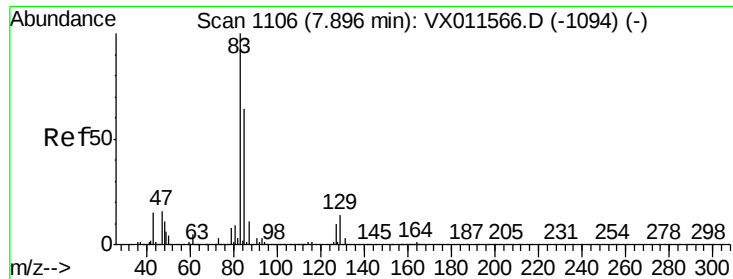
Ion Ratio Lower Upper

93 100

95 83.3 67.2 100.8

174 131.7 105.5 158.3





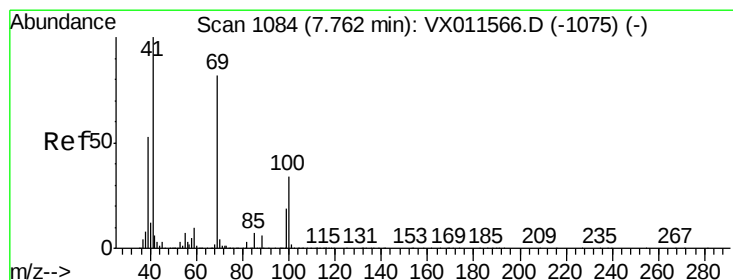
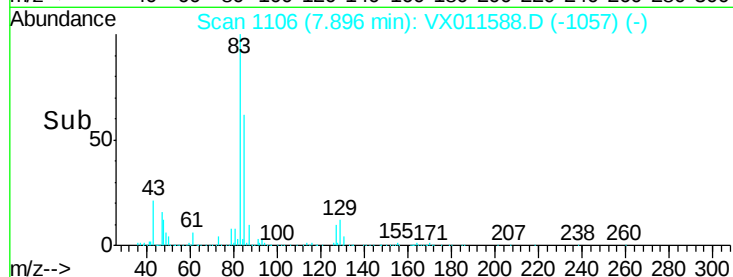
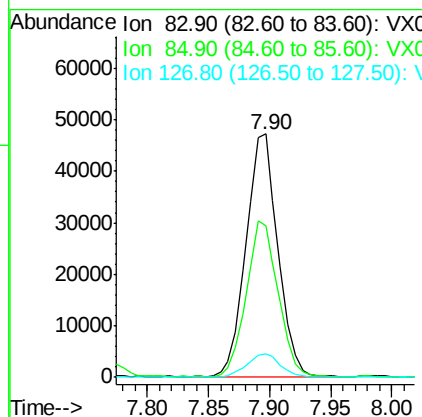
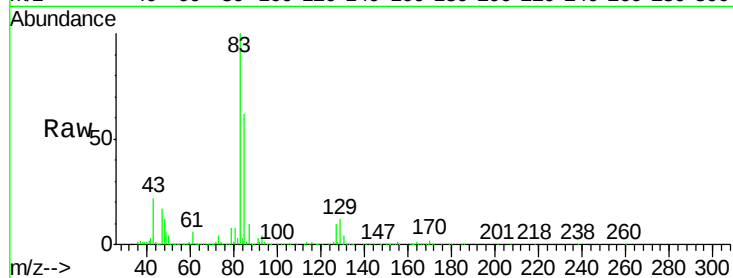
#47
 Bromodichloromethane
 Concen: 17.533 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VX011588.D
 Acq: 16 Aug 2019 17:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.2	76.8
127	9.6	8.1	12.1

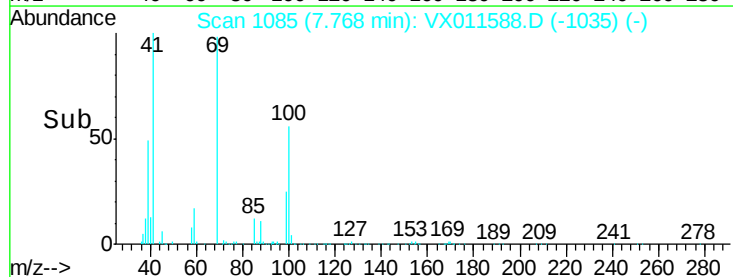
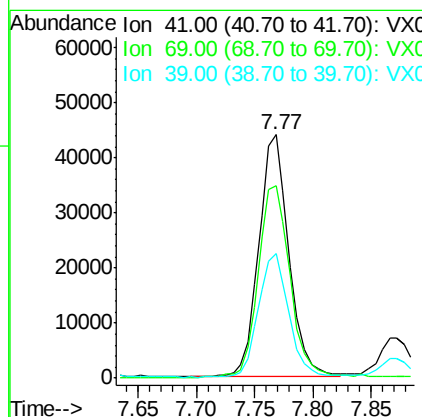
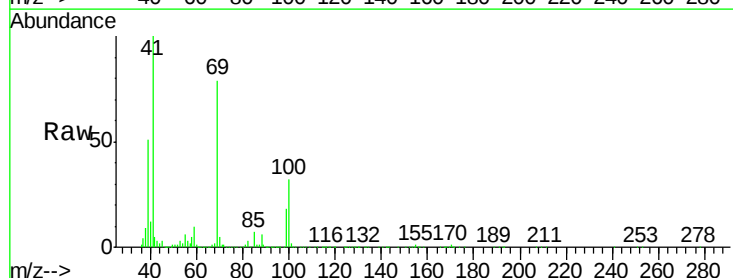
Manual Integrations
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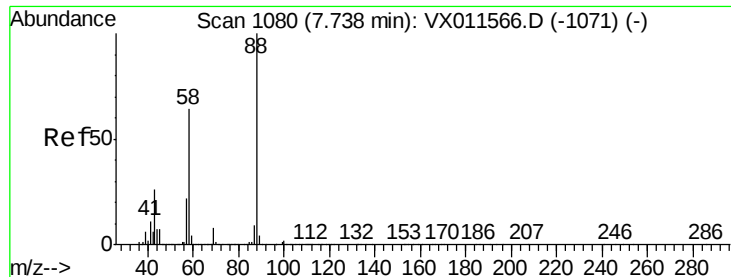
MMDadoda
 8/19/2019 10:30:52 AM



#48
 Methyl methacrylate
 Concen: 18.901 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.01 min
 Lab File: VX011588.D
 Acq: 16 Aug 2019 17:58

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.4	67.9	101.9
39	51.8	41.6	62.4





#49

1,4-Dioxane

Concen: 356.392 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Instrument :

MSVOA_X

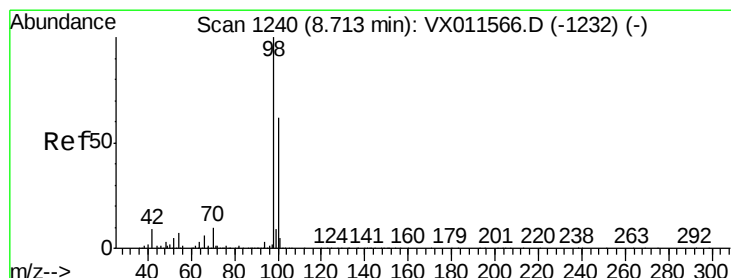
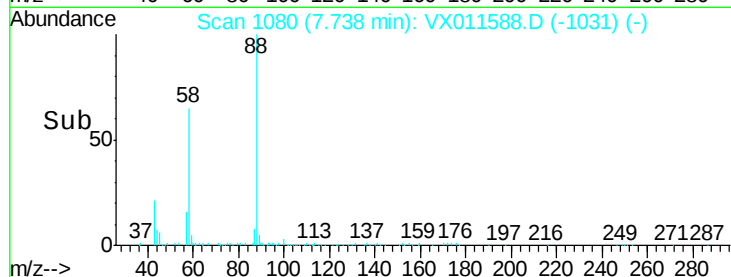
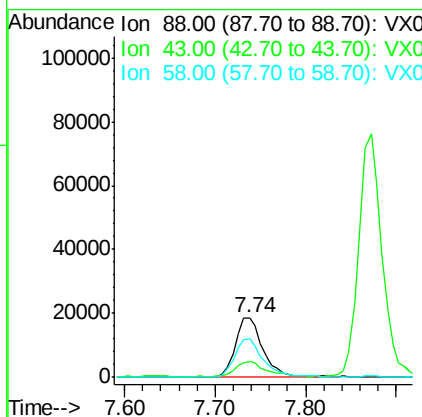
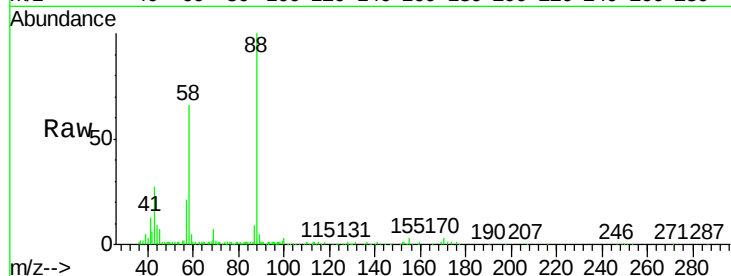
ClientSampleId :

VX0816WBSD01

Tot Ion:	88	Resp:	39784
Ion Ratio	Lower	Upper	
88	100		
43	29.5	23.4	35.0
58	66.3	54.3	81.5

Manual Integrations
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#50

Toluene-d8

Concen: 44.387 ug/l

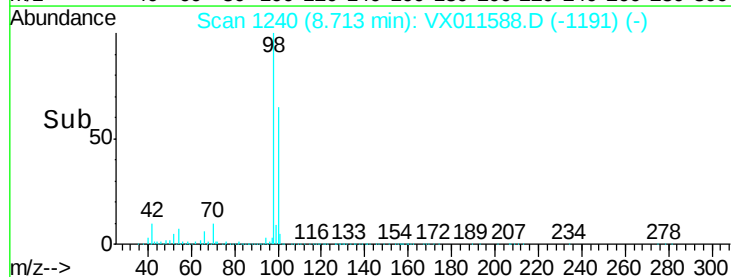
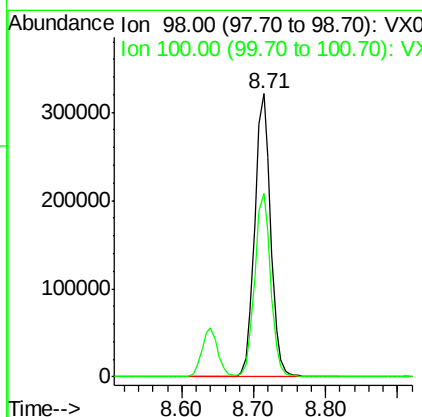
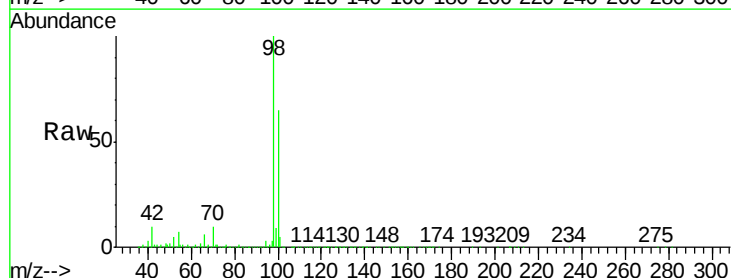
RT: 8.71 min Scan# 1240

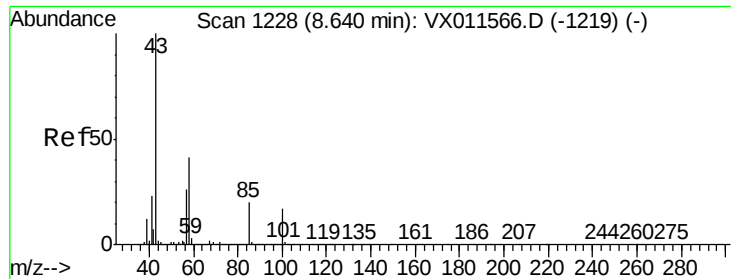
Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Tgt Ion:	98	Resp:	499540
Ion Ratio	Lower	Upper	
98	100		
100	65.1	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 94.904 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBSD01

Tot Ion: 43 Resp: 526458

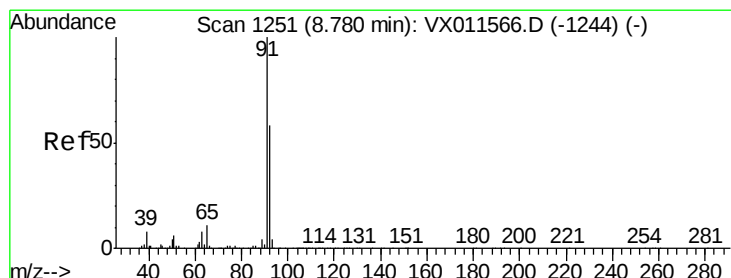
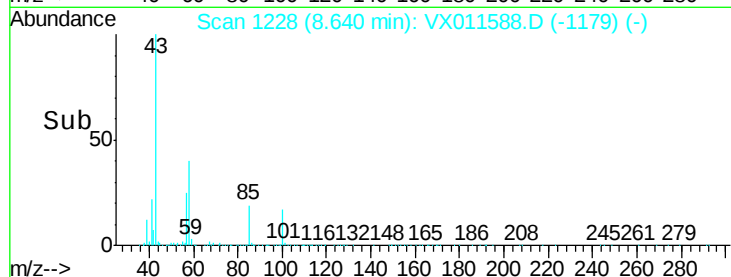
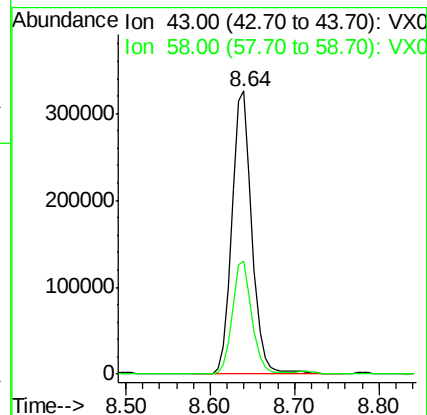
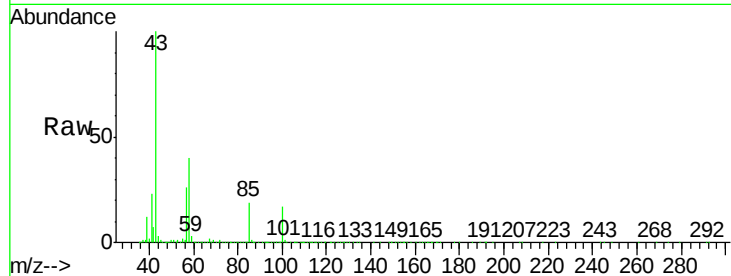
Ion Ratio Lower Upper

43 100

58 39.0 31.8 47.6

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#52

Toluene

Concen: 19.116 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011588.D

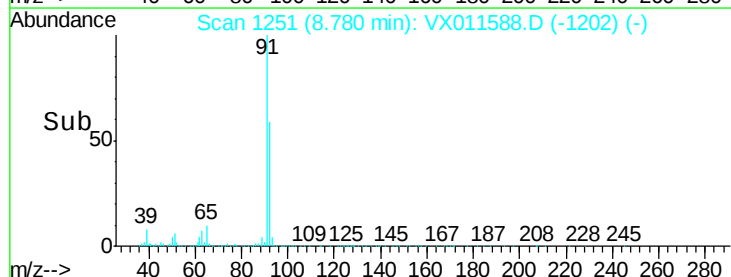
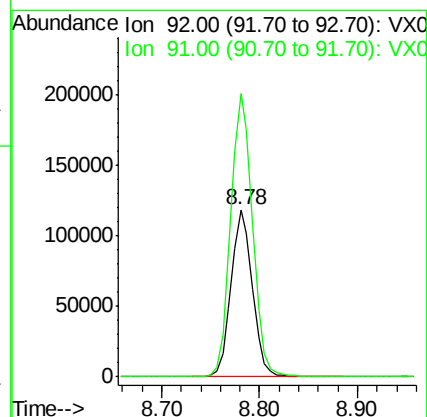
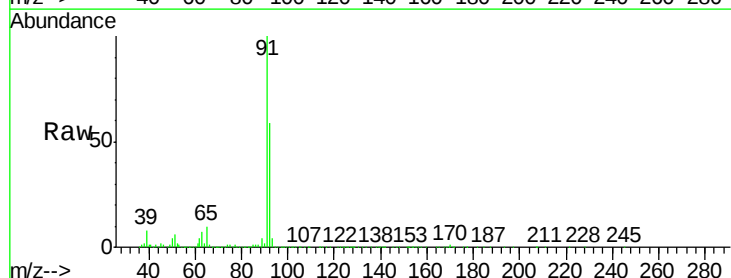
Acq: 16 Aug 2019 17:58

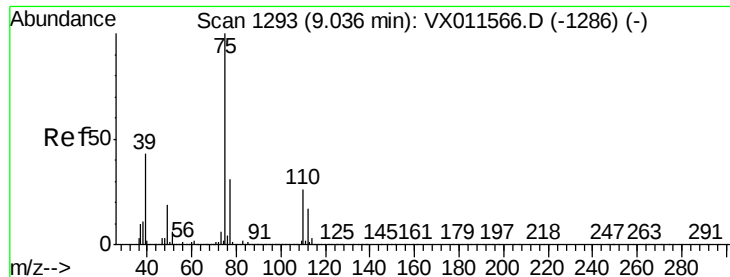
Tgt Ion: 92 Resp: 178690

Ion Ratio Lower Upper

92 100

91 173.5 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 17.974 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Instrument :

MSVOA_X

ClientSampled :

VX0816WBSD01

Tot Ion: 75 Resp: 91075

Ion Ratio Lower Upper

75 100

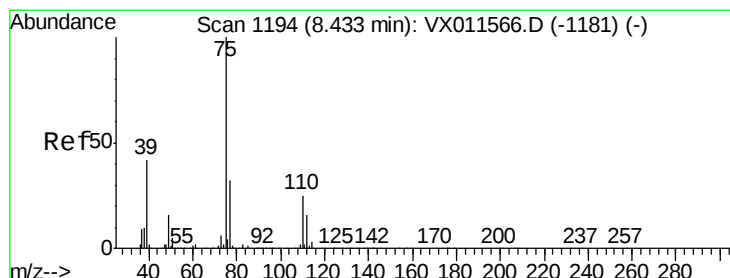
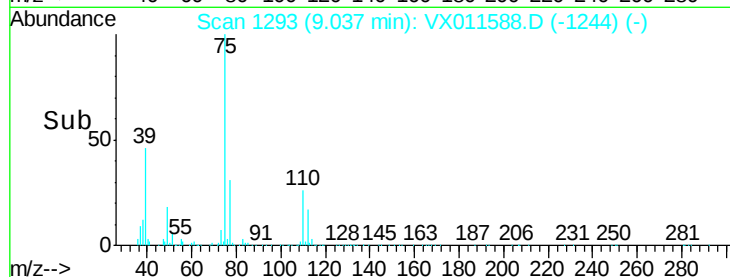
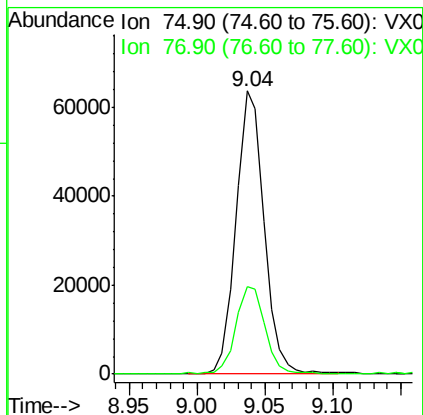
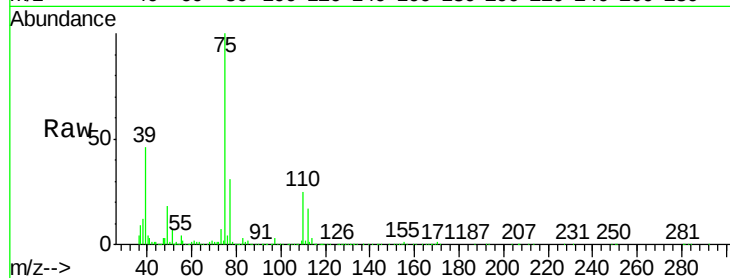
77 30.7 25.1 37.7

Manual Integrations

APPROVED

MMDadoda

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#54

cis-1,3-Dichloropropene

Concen: 18.464 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

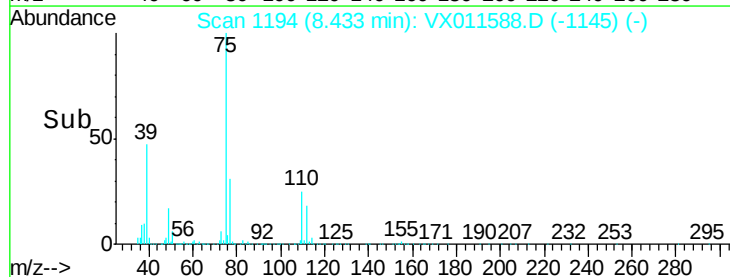
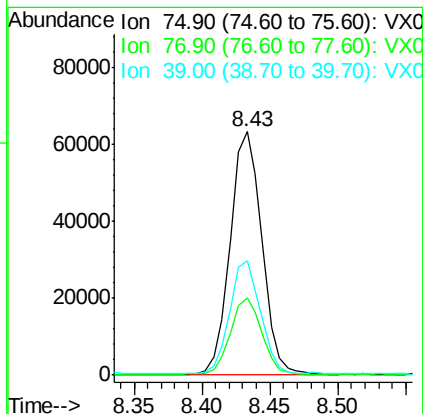
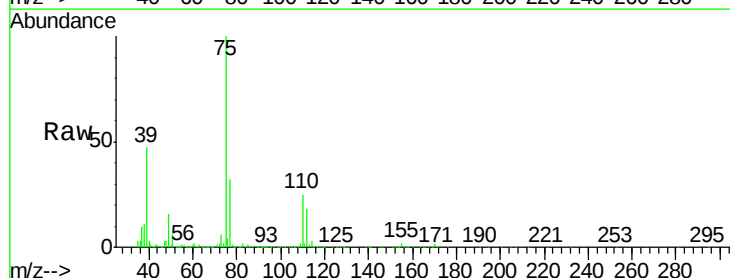
Tgt Ion: 75 Resp: 102388

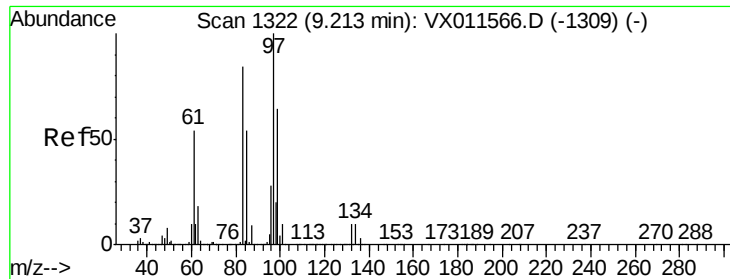
Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3

39 46.3 33.6 50.4





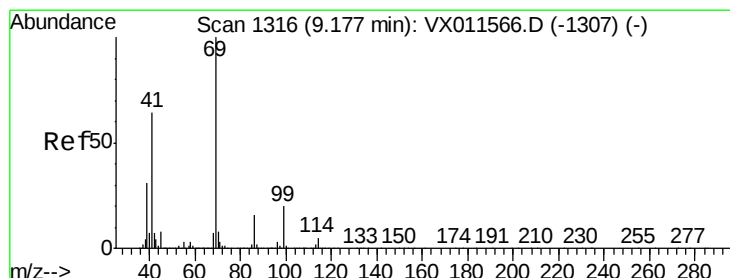
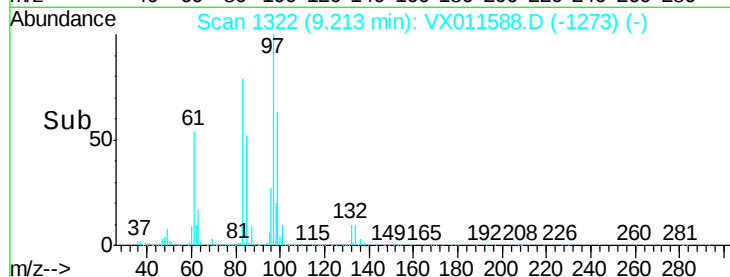
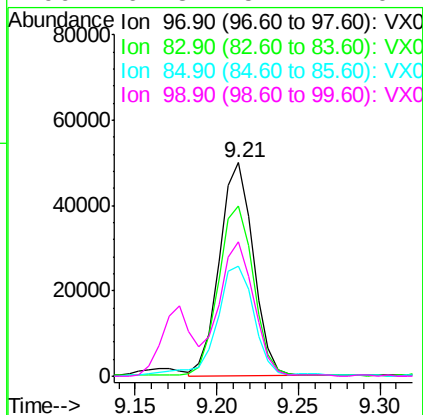
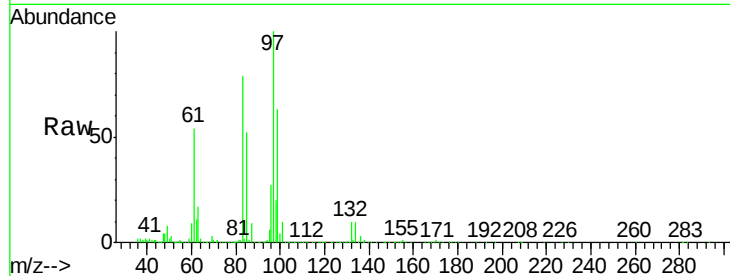
#55
1,1,2-Trichloroethane
Concen: 18.194 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	72322		
83	79.4		67.4	101.0
85	51.0		43.4	65.2
99	62.8		51.1	76.7

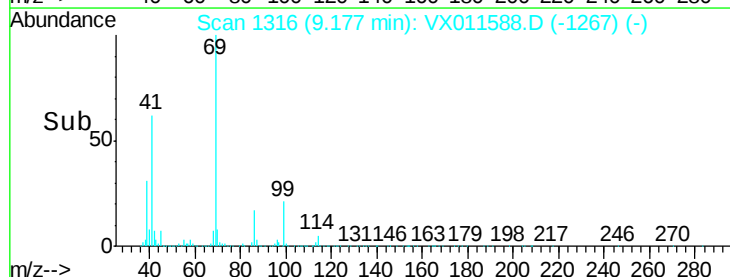
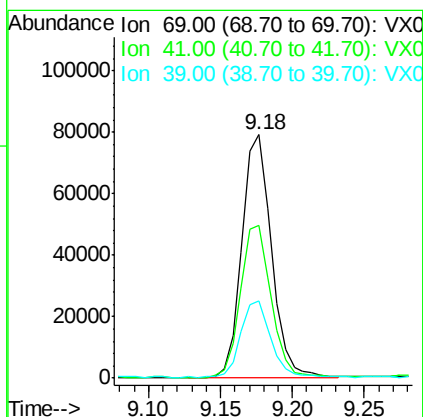
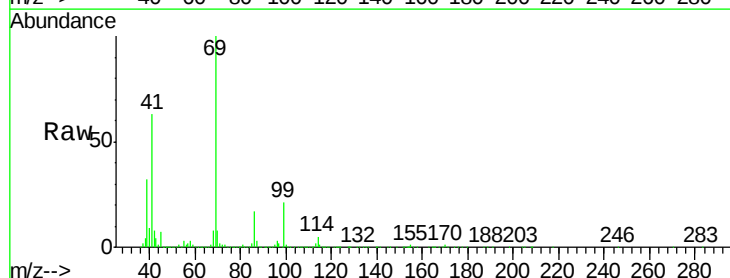
Manual Integrations
APPROVED

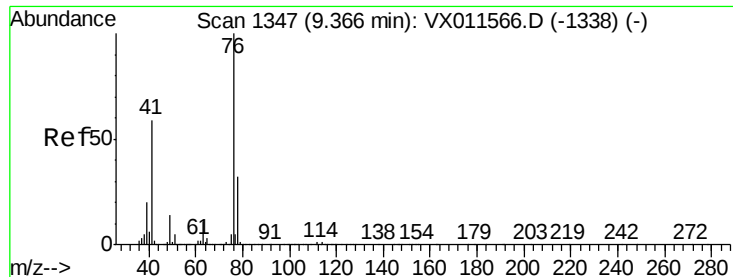
MMDadoda
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#56
Ethyl methacrylate
Concen: 19.535 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	112866		
41	65.2		52.1	78.1
39	31.7		25.4	38.0





#57

1,3-Dichloropropane

Concen: 18.714 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBSD01

Tot Ion: 76 Resp: 118249

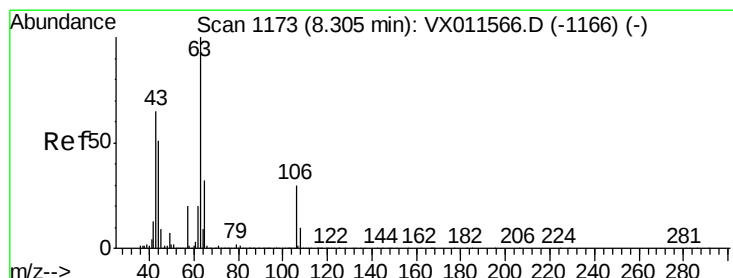
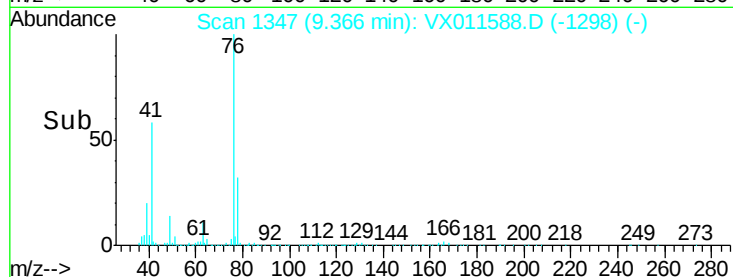
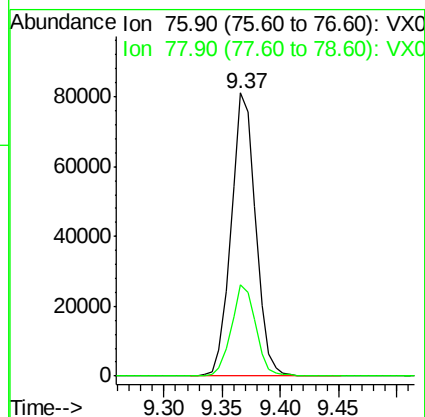
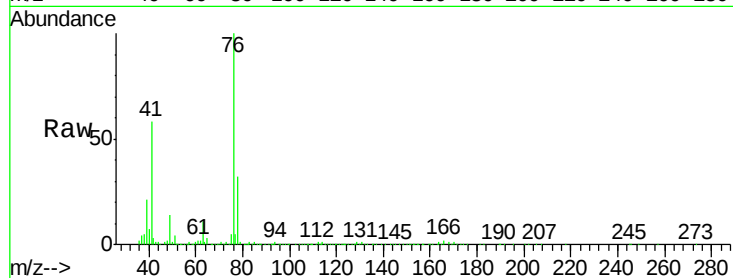
Ion Ratio Lower Upper

76 100

78 32.5 26.2 39.4

Manual Integrations
APPROVED

MMDadoda
8/19/2019 10:30:52 AM



#58

2-Chloroethyl Vinyl ether

Concen: 89.482 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011588.D

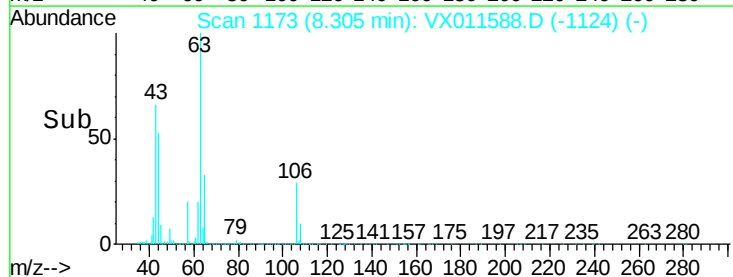
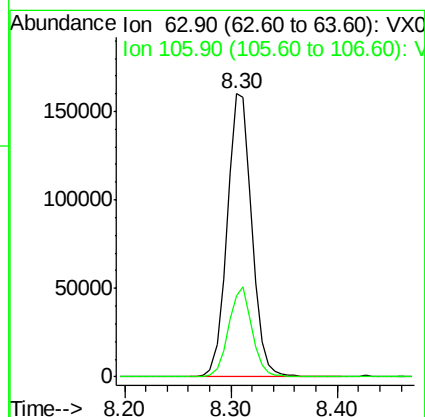
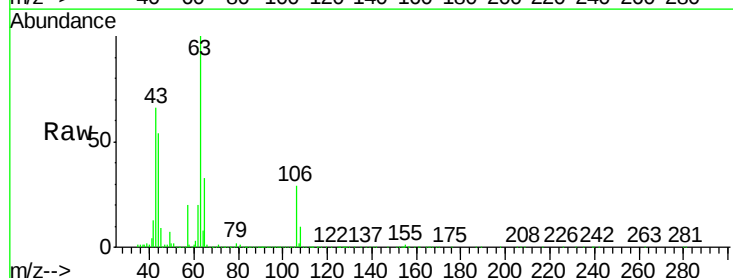
Acq: 16 Aug 2019 17:58

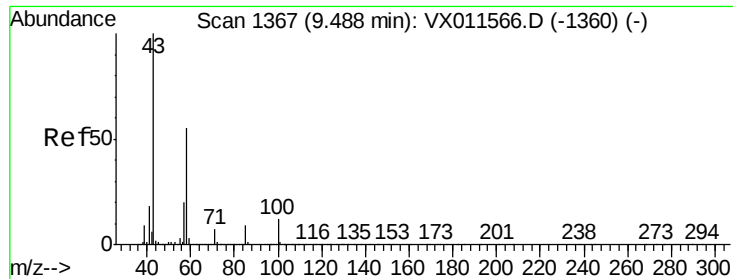
Tgt Ion: 63 Resp: 257595

Ion Ratio Lower Upper

63 100

106 30.6 24.7 37.1





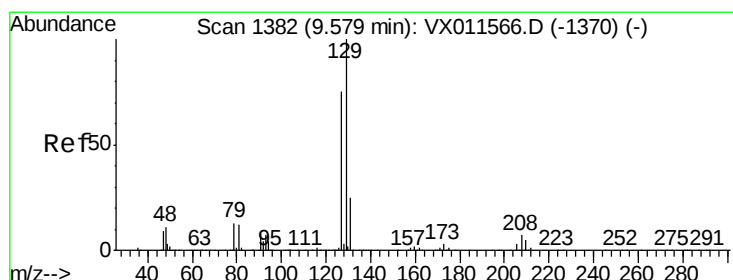
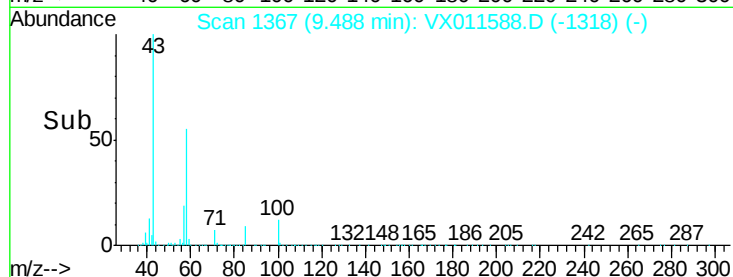
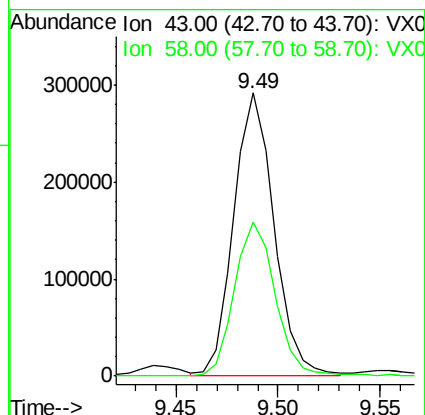
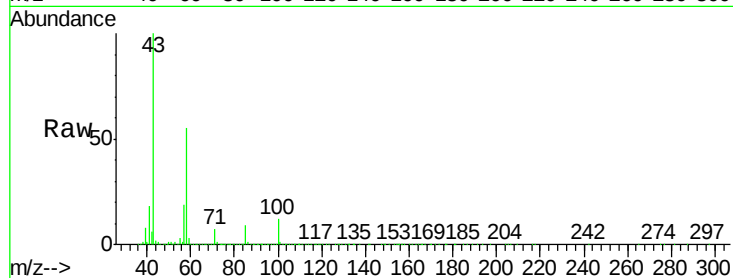
#59
2-Hexanone
Concen: 93.323 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.1	27.5	82.4

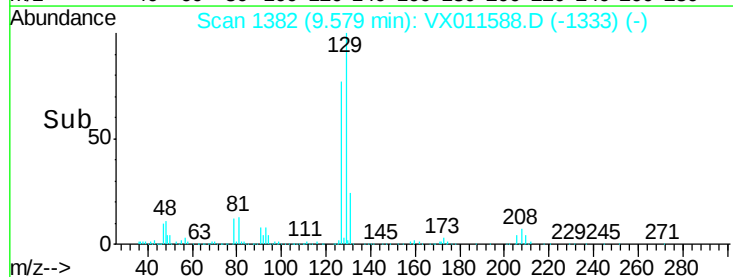
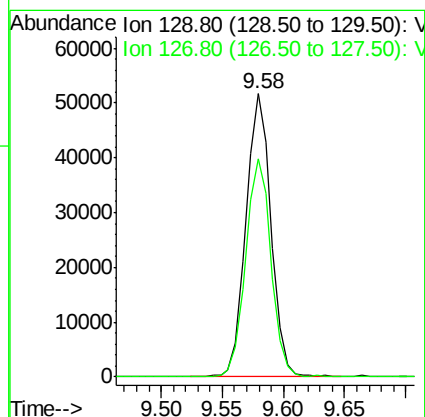
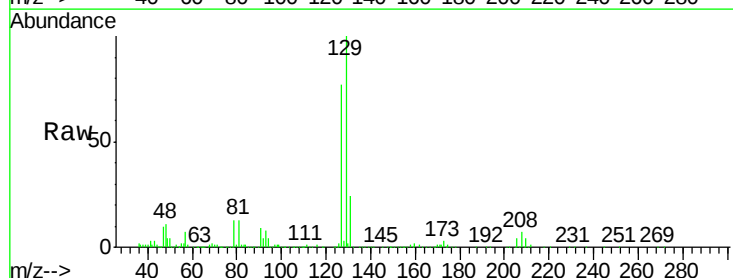
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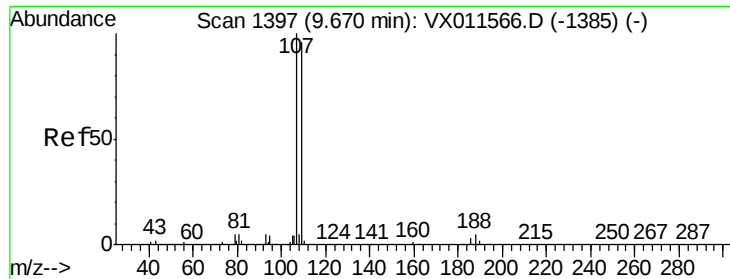
MMDadoda
8/19/2019 10:30:52 AM



#60
Dibromochloromethane
Concen: 17.638 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.0	114.1





#61

1,2-Dibromoethane

Concen: 18.441 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBSD01

Tot Ion:107 Resp: 78233

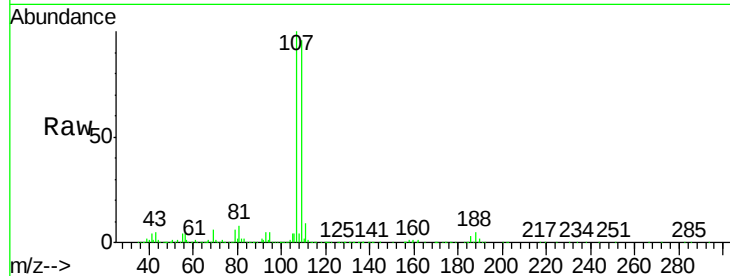
Ion Ratio Lower Upper

107 100

109 97.4 76.2 114.2

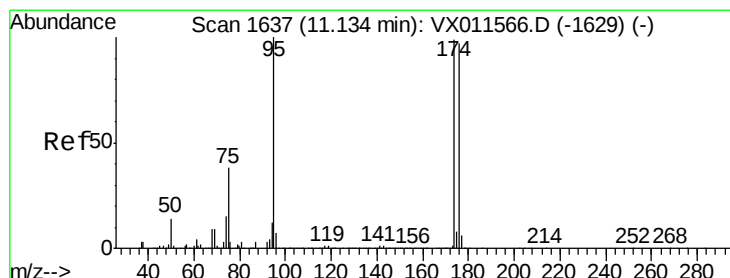
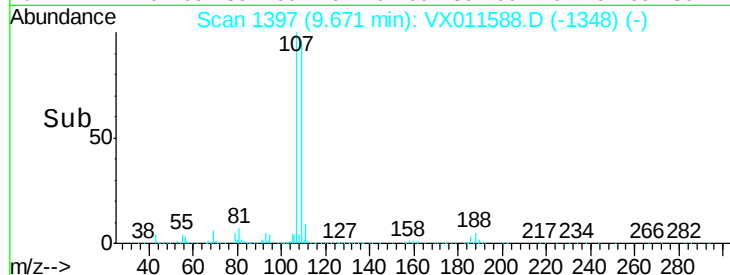
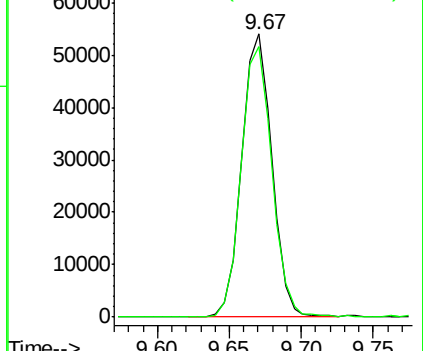
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.033 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

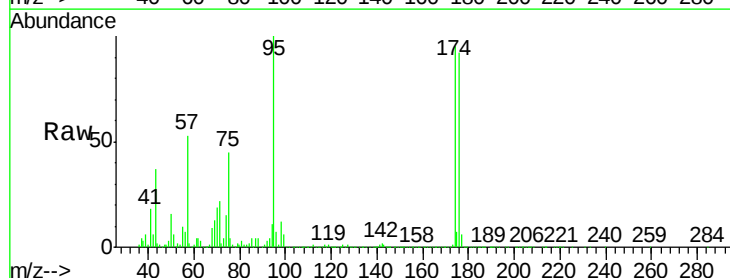
Tgt Ion: 95 Resp: 213917

Ion Ratio Lower Upper

95 100

174 98.1 0.0 200.6

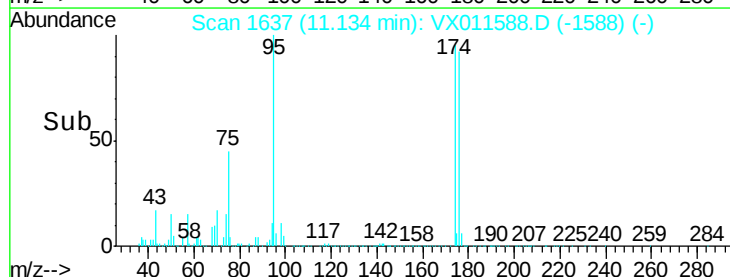
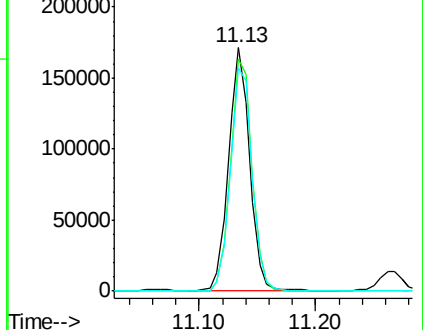
176 95.3 0.0 196.6

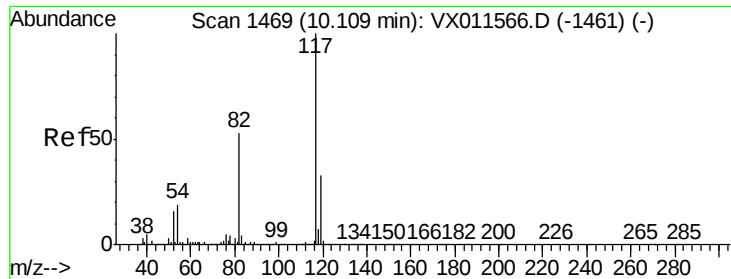


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Instrument :

MSVOA_X

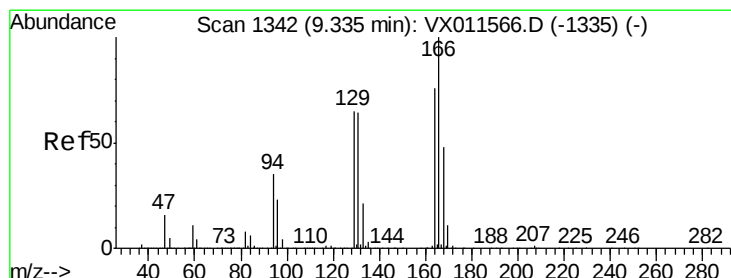
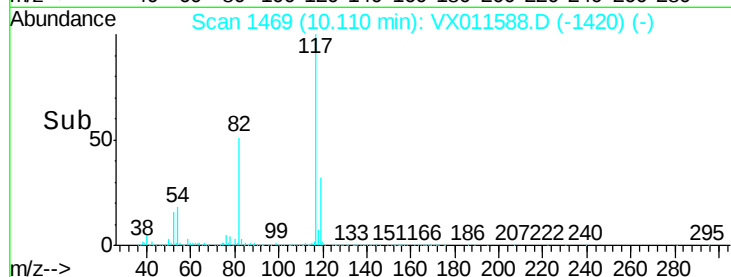
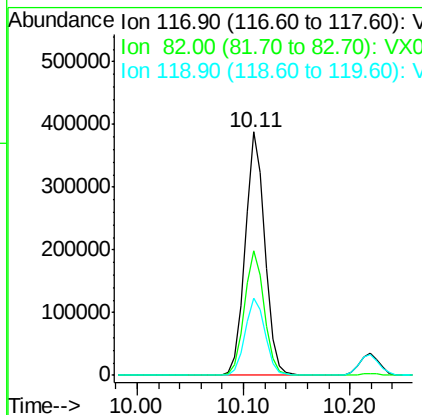
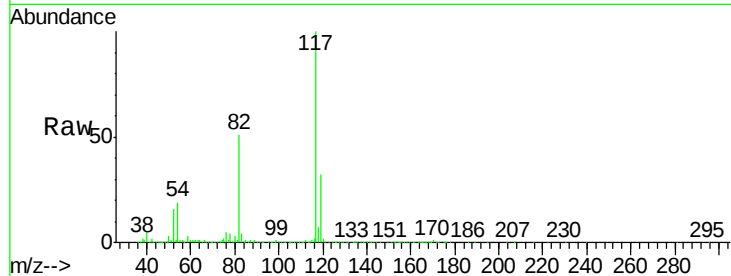
ClientSampleId :

VX0816WBSD01

Tot Ion:	117	Resp:	503634
Ion Ratio	Lower	Upper	
117	100		
82	51.0	42.0	63.0
119	31.7	26.5	39.7

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#64

Tetrachloroethene

Concen: 18.784 ug/l

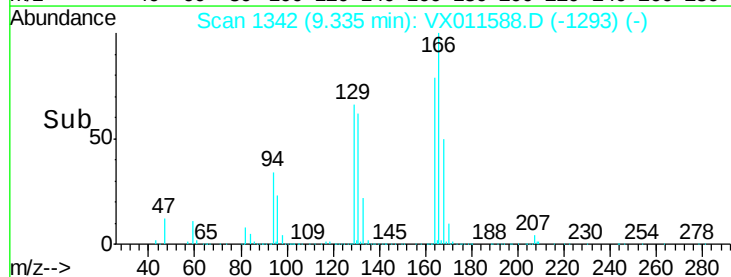
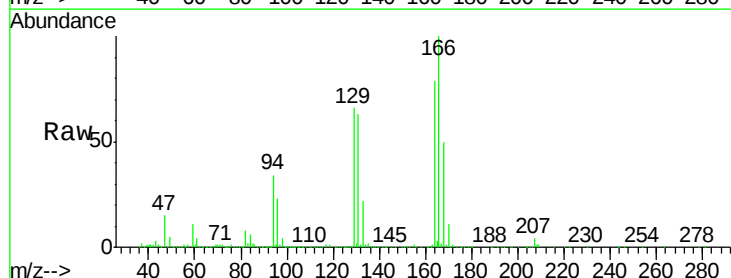
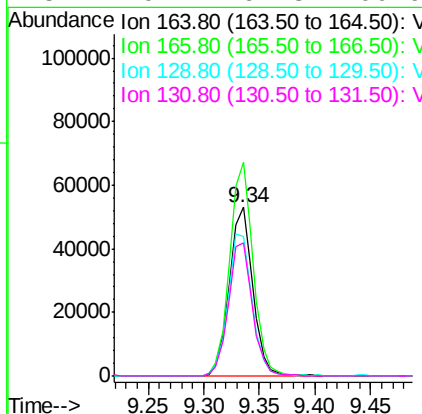
RT: 9.34 min Scan# 1342

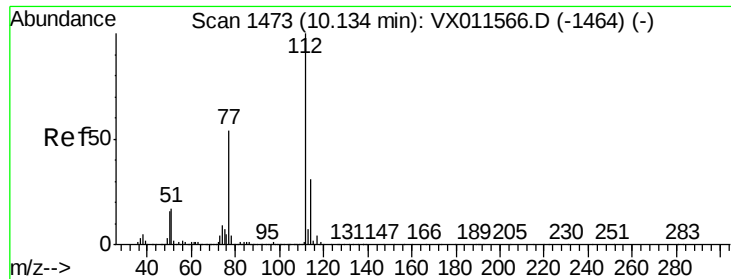
Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Tgt Ion:	164	Resp:	77618
Ion Ratio	Lower	Upper	
164	100		
166	126.6	104.7	157.1
129	83.0	68.2	102.4
131	79.1	67.3	100.9





#65

Chlorobenzene

Concen: 18.709 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBSD01

Tot Ion:112 Resp: 200976

Ion Ratio Lower Upper

112 100

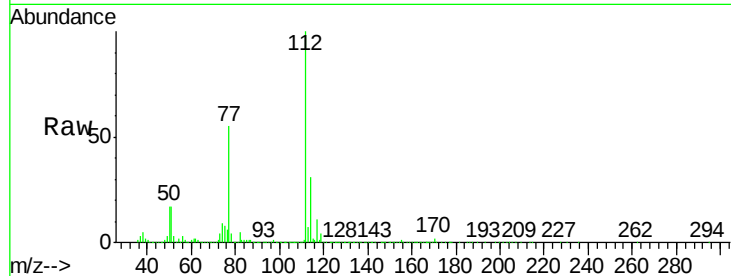
114 30.6 25.0 37.6

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.13

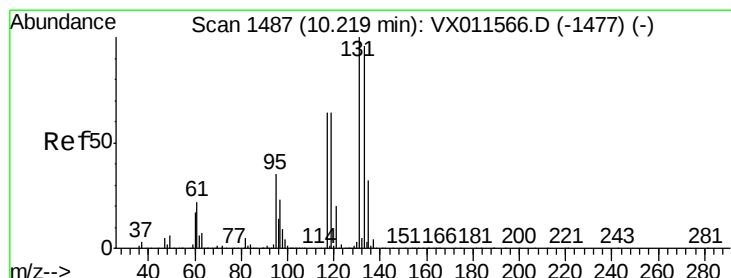
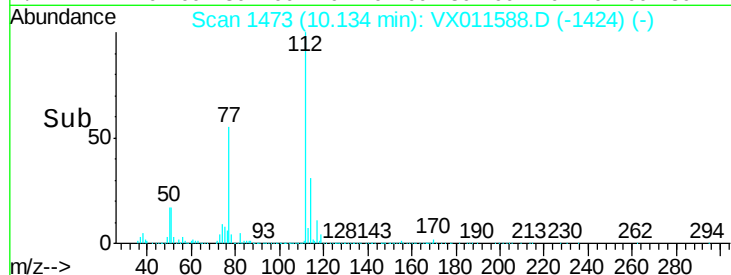
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 18.416 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

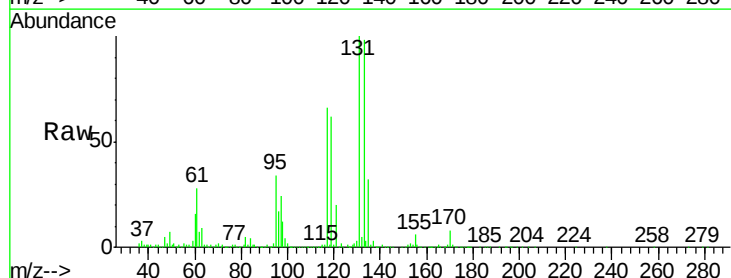
Tgt Ion:131 Resp: 73941

Ion Ratio Lower Upper

131 100

133 94.1 48.1 144.4

119 60.4 31.3 93.8



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

10.22

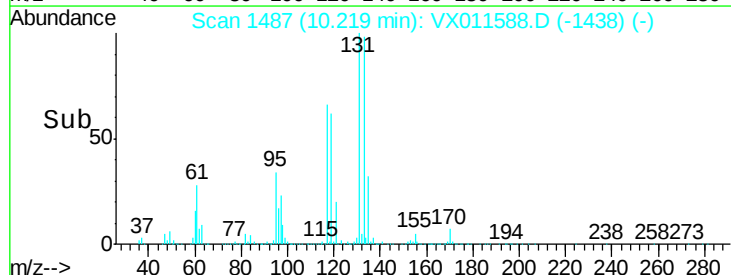
150000

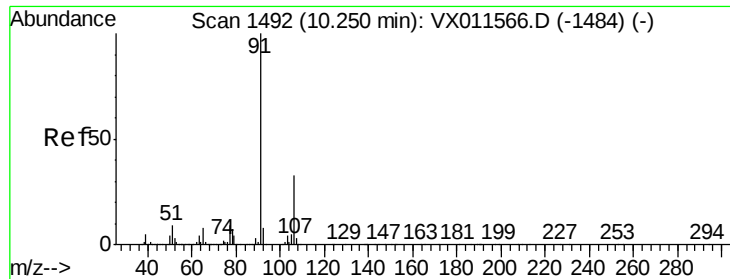
100000

50000

0

Time-->





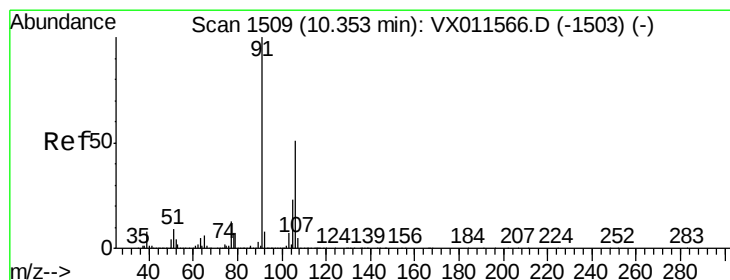
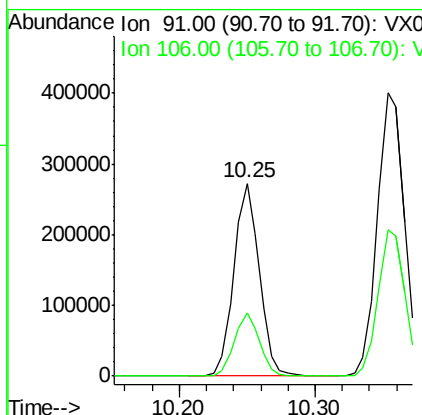
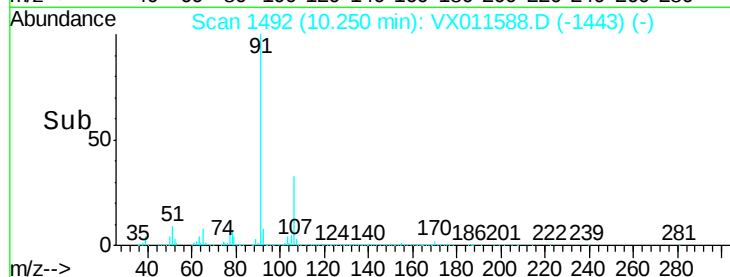
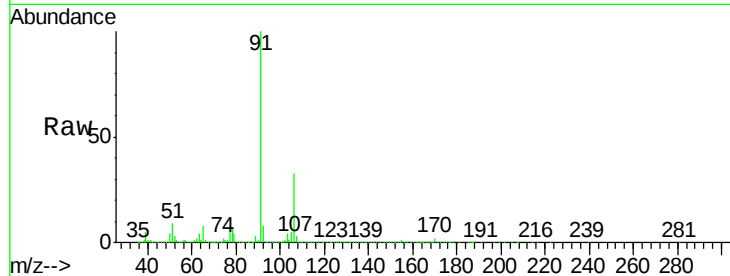
#67
Ethyl Benzene
Concen: 19.721 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD01

Tot Ion: 91 Resp: 353549
Ion Ratio Lower Upper
91 100
106 32.6 26.0 39.0

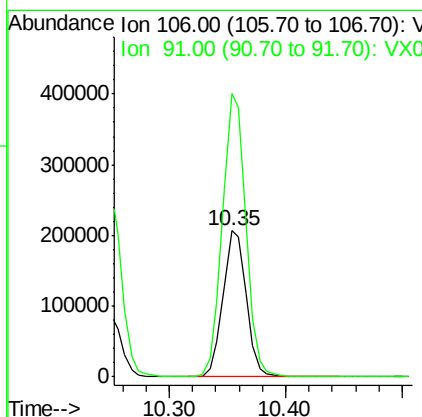
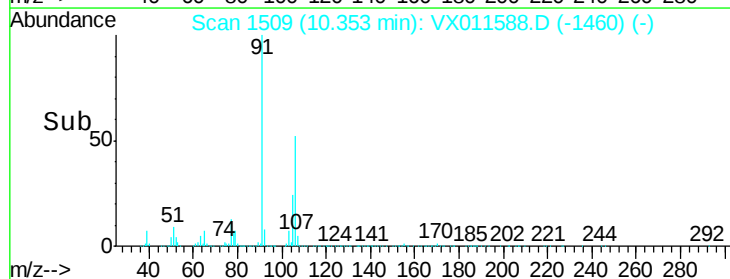
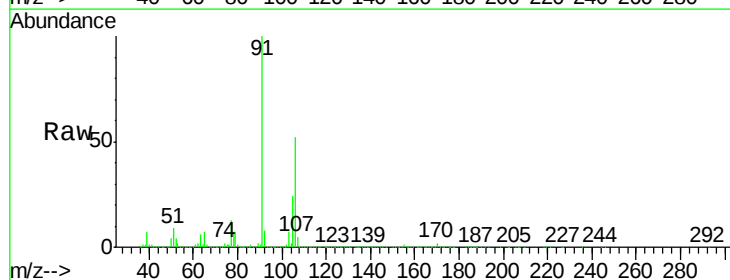
Manual Integrations
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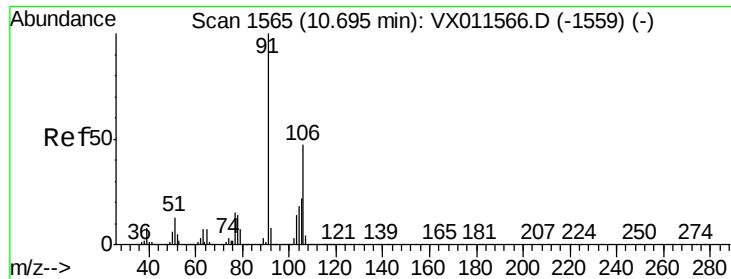
MMDadoda
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#68
m/p-Xylenes
Concen: 41.293 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Tgt Ion: 106 Resp: 284159
Ion Ratio Lower Upper
106 100
91 194.8 156.0 234.0





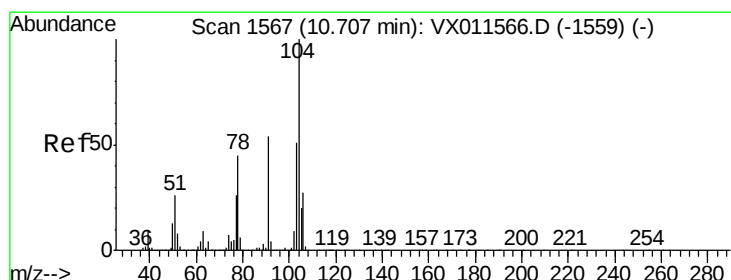
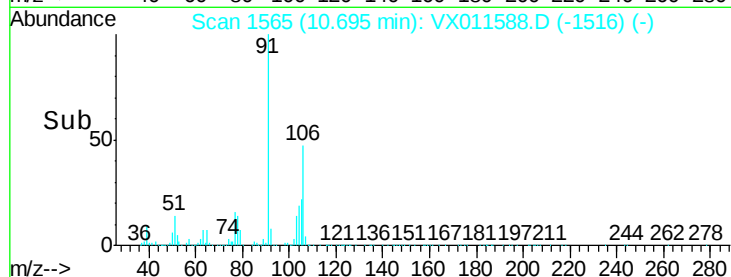
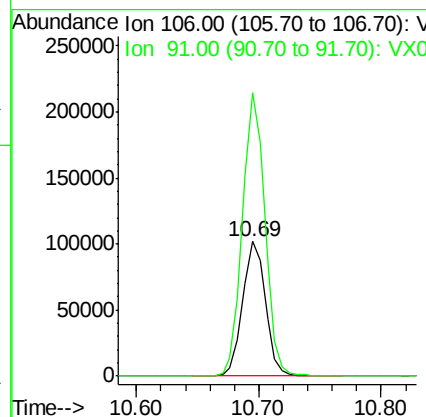
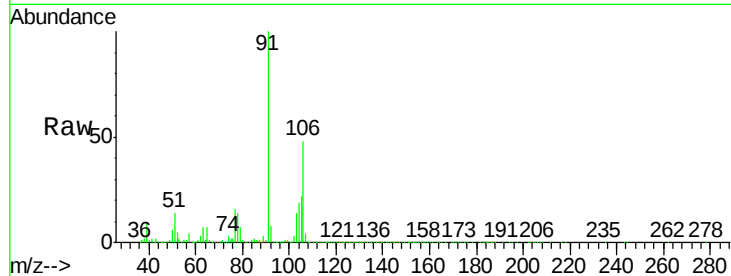
#69
o-Xylene
Concen: 19.420 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.4	105.5	316.4

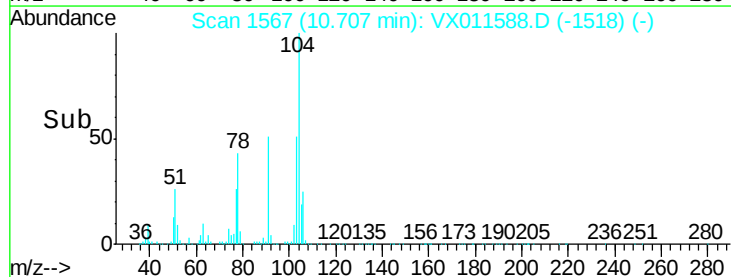
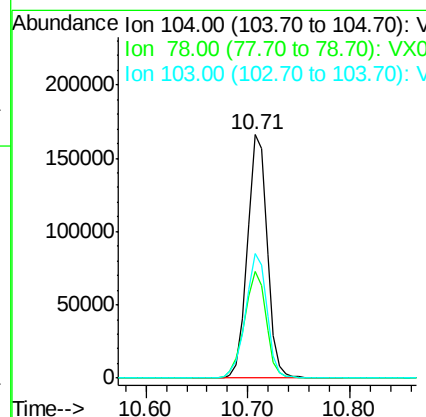
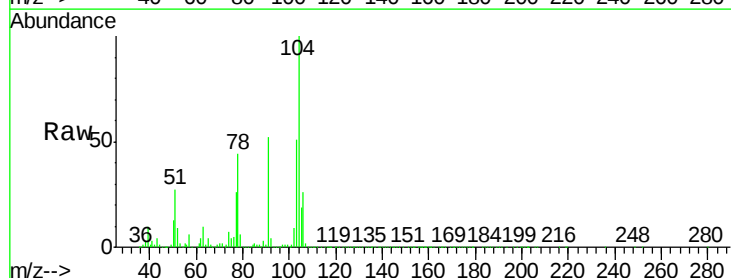
Manual Integrations
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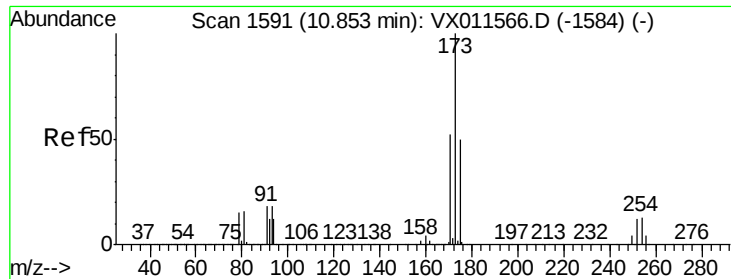
MMDadoda
8/19/2019 10:30:52 AM



#70
Styrene
Concen: 19.648 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.9	38.2	57.4
103	54.7	43.6	65.4





#71

Bromoform

Concen: 17.064 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Instrument :

MSVOA_X

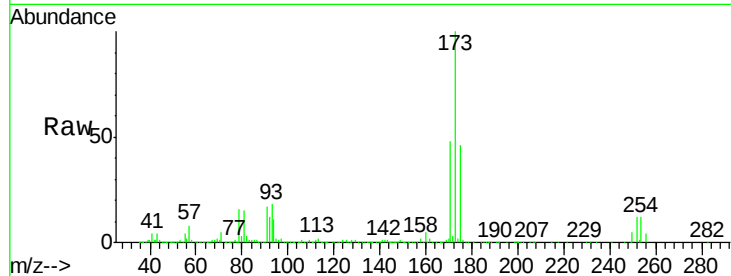
ClientSampleId :

VX0816WBSD01

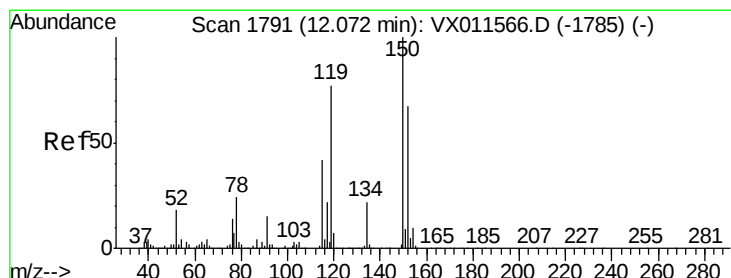
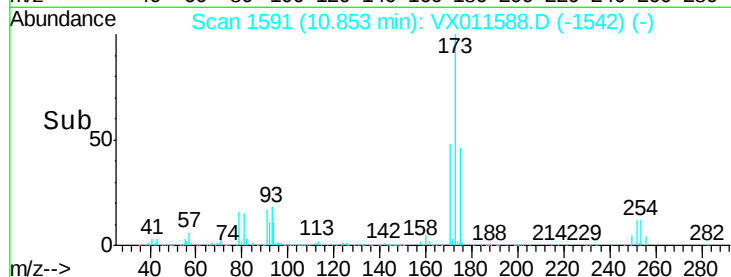
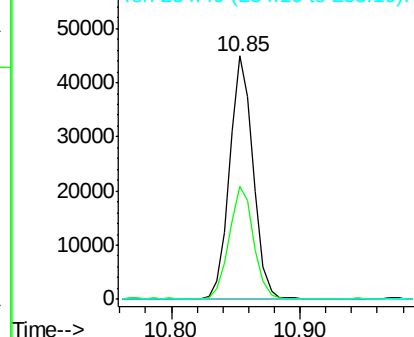
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.9	74.7
254	0.1	0.1	0.1

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

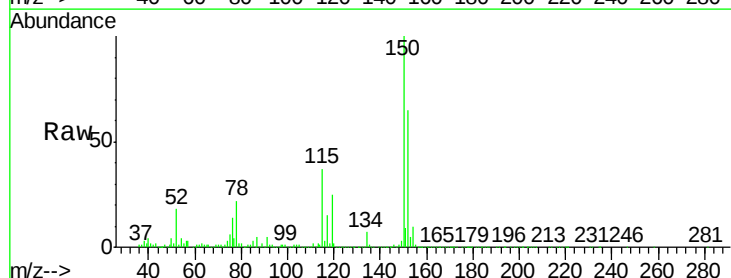
RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

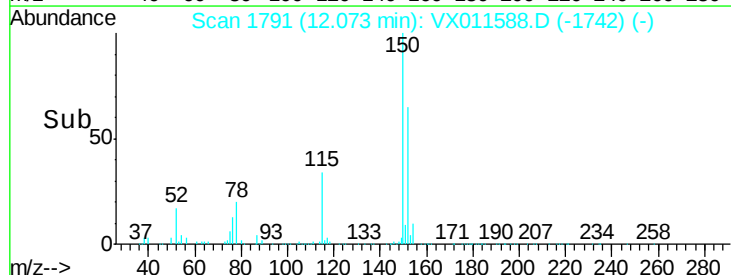
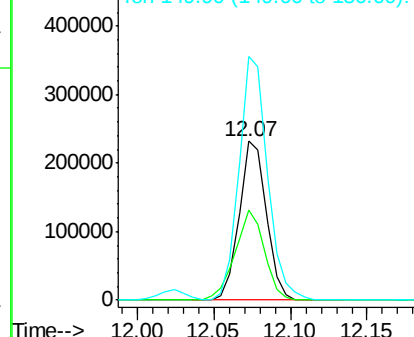
Lab File: VX011588.D

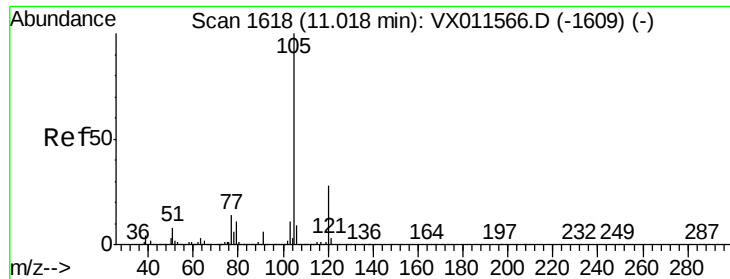
Acq: 16 Aug 2019 17:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	37.3	111.9
150	160.5	0.0	346.2



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: 19.078 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBSD01

Tot Ion:105 Resp: 352033

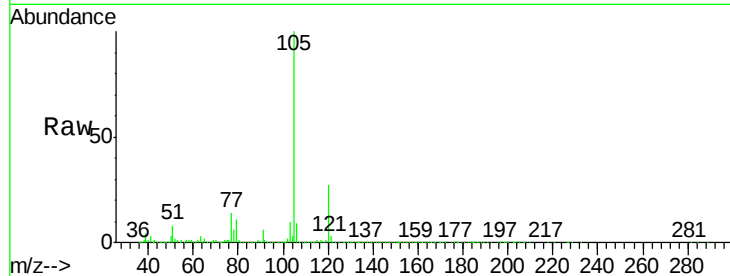
Ion Ratio Lower Upper

105 100

120 27.0 14.0 41.9

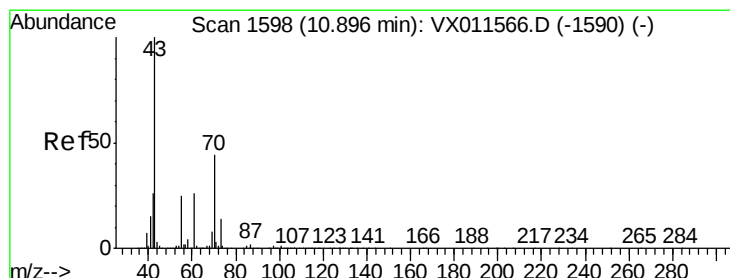
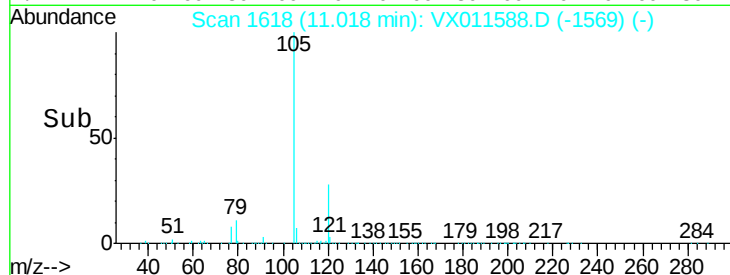
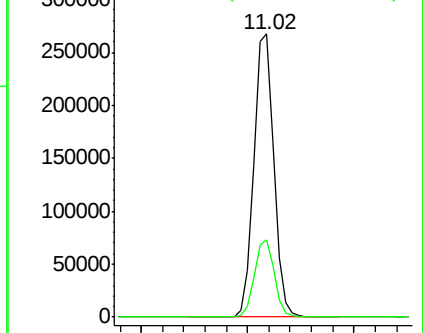
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.964 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Tgt Ion: 43 Resp: 156548

Ion Ratio Lower Upper

43 100

70 44.3 34.7 52.1

55 33.4 19.6 29.4#

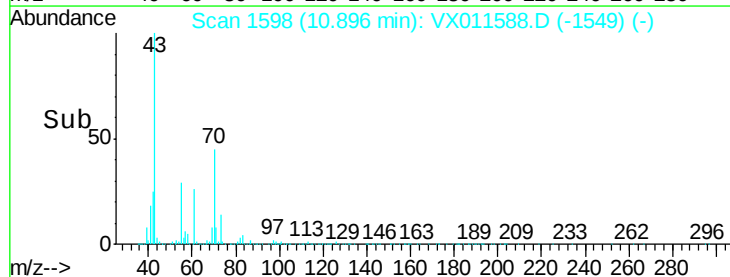
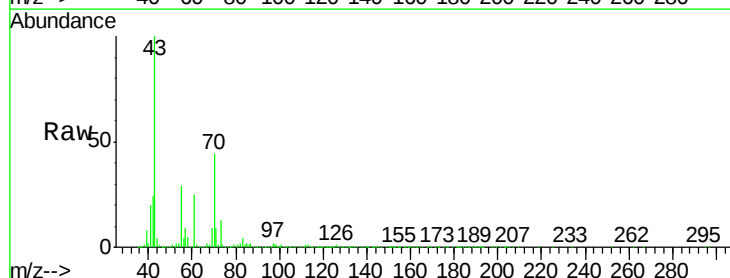
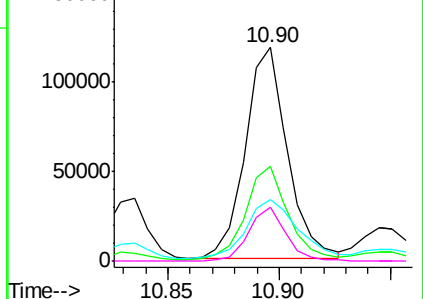
61 22.5 19.9 29.9

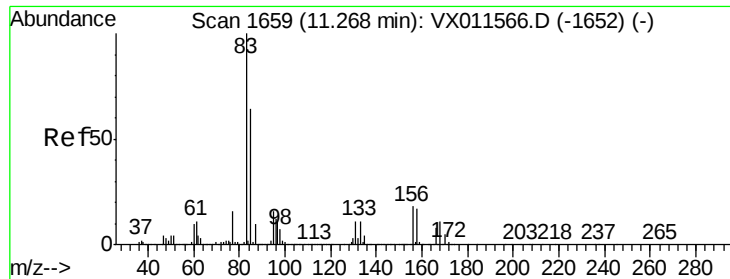
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.709 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Instrument :

MSVOA_X

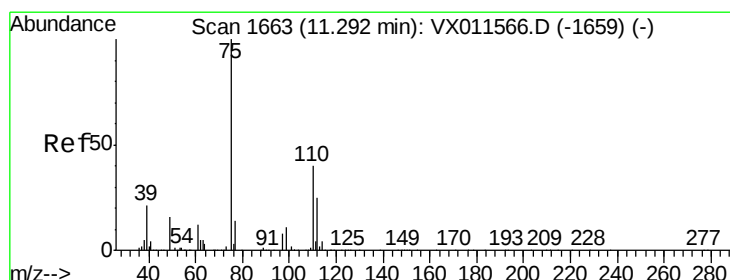
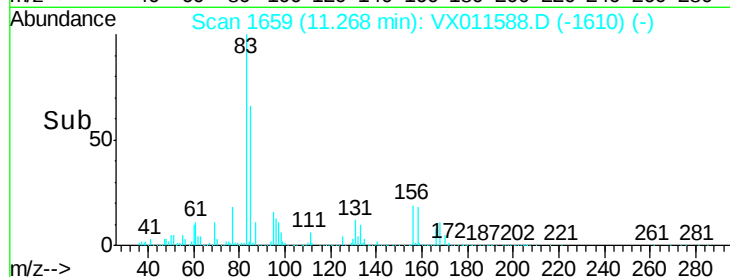
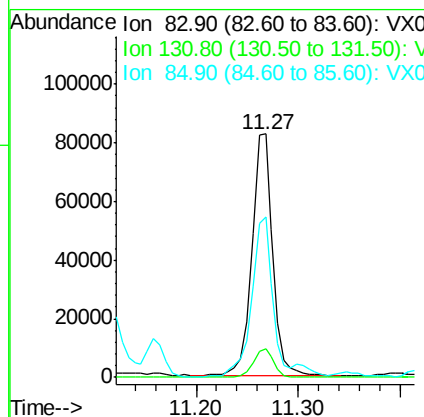
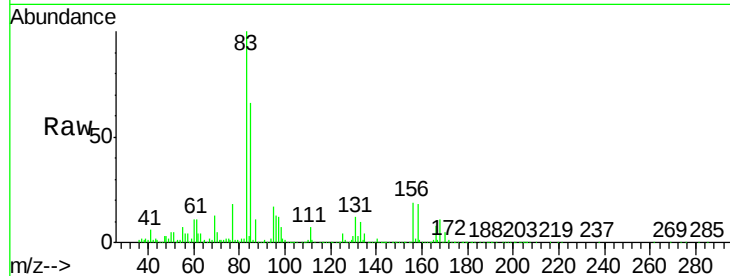
ClientSampleId :

VX0816WBSD01

Tot Ion:	83	Resp:	118754
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.8	17.3
85	65.7	31.9	95.9

Manual Integrations
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MMDadoda
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#76

1,2,3-Trichloropropane

Concen: 17.869 ug/l m

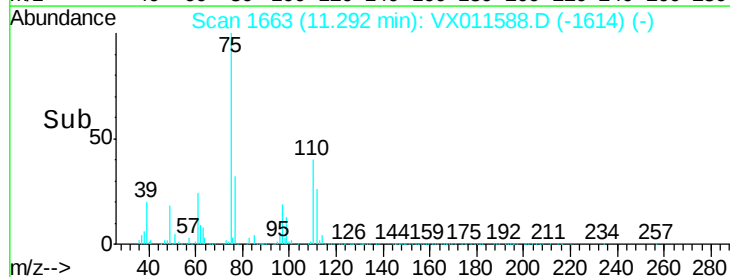
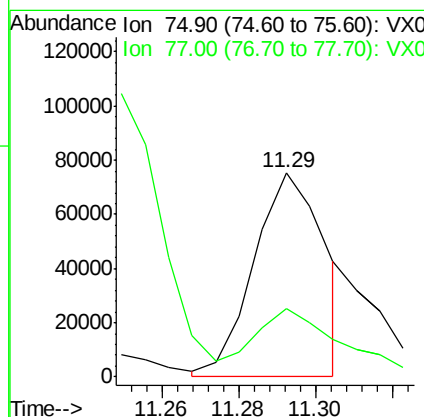
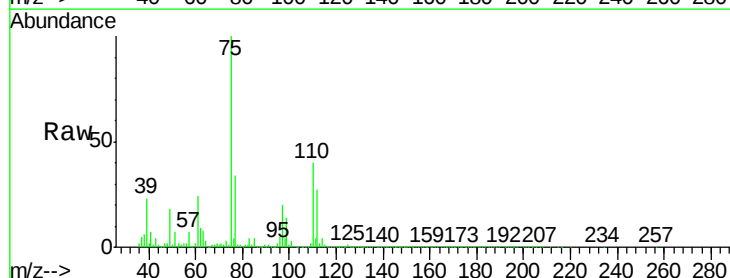
RT: 11.29 min Scan# 1663

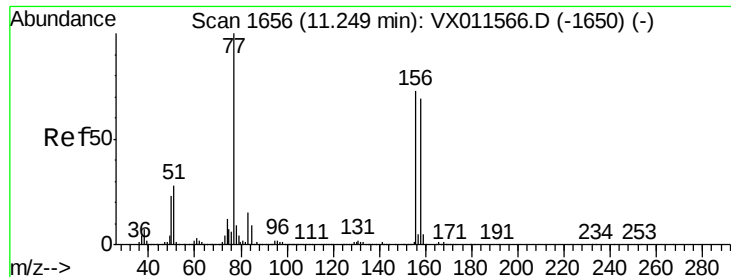
Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Tgt Ion:	75	Resp:	96355
Ion Ratio	Lower	Upper	
75	100		
77	40.5	20.9	62.8





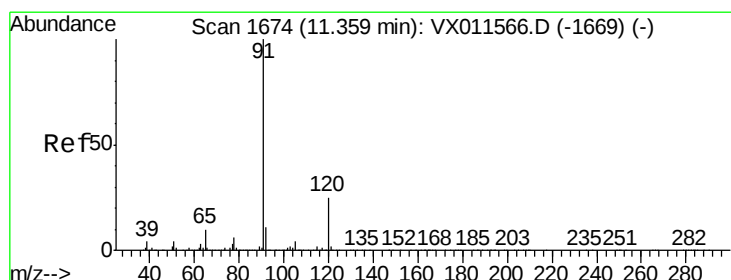
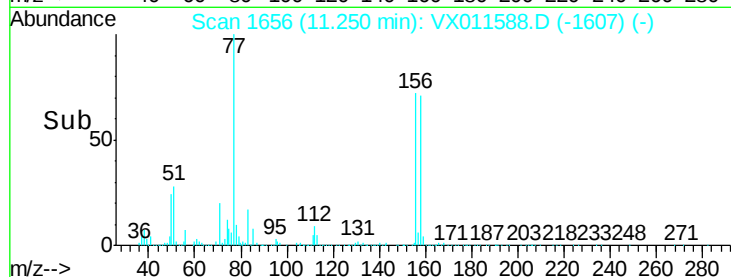
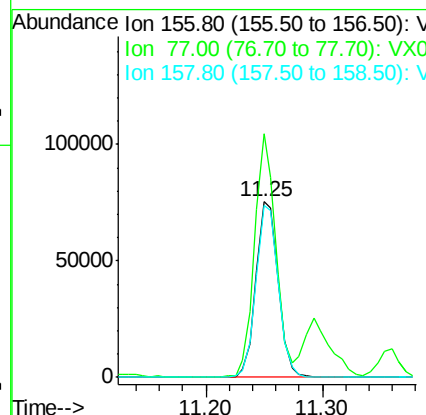
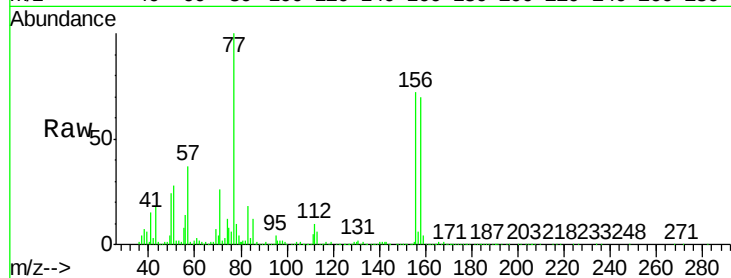
#77
Bromobenzene
Concen: 18.450 ug/l
RT: 11.25 min Scan# 1656
Delta R.T. 0.00 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	130.6	64.6	193.9
158	97.1	48.4	145.3

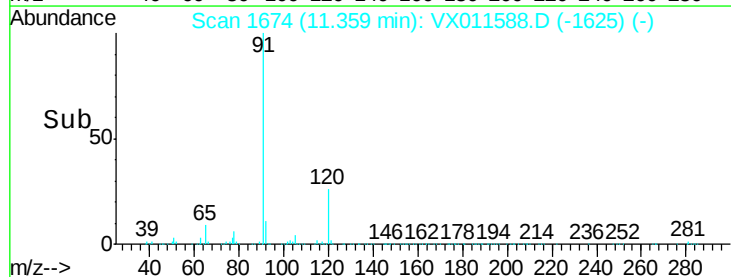
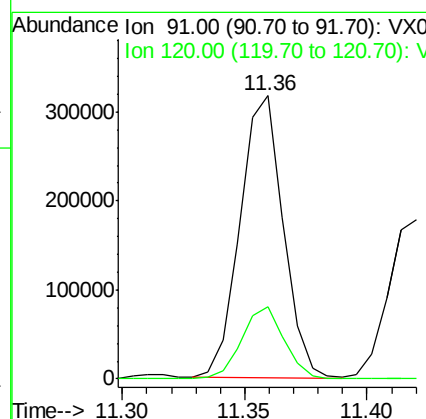
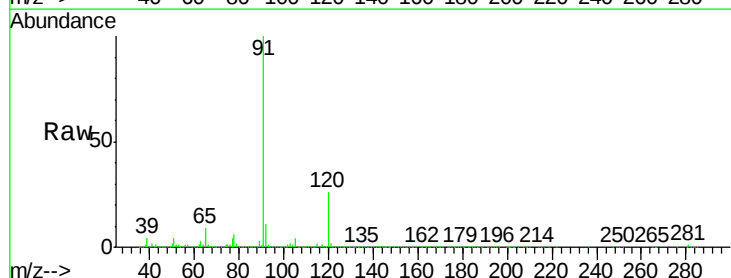
Manual Integrations
APPROVED

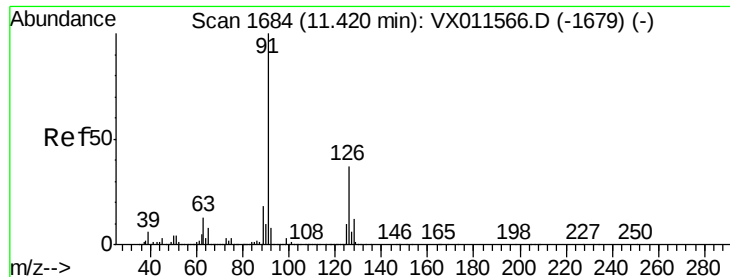
MMDadoda
8/19/2019 10:30:52 AM



#78
n-propylbenzene
Concen: 19.523 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.2	12.6	37.6





#79

2-Chlorotoluene

Concen: 18.712 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Instrument :

MSVOA_X

ClientSampled :

VX0816WBSD01

Tot Ion: 91 Resp: 228616

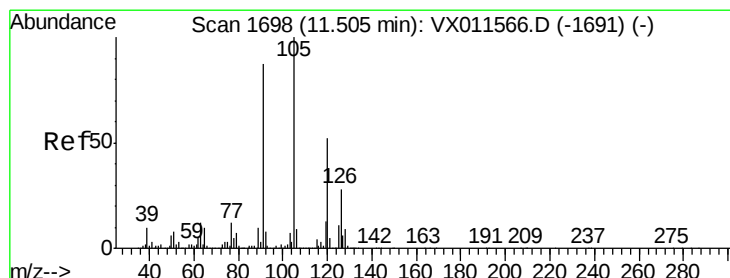
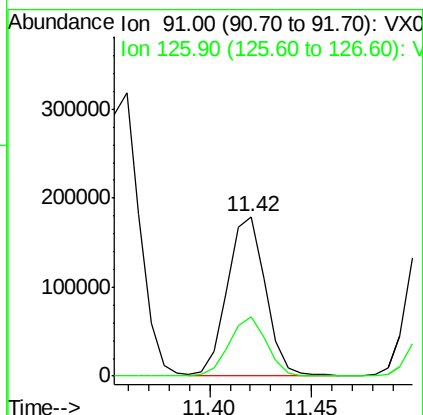
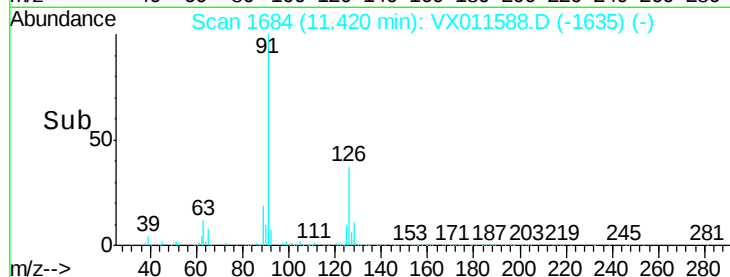
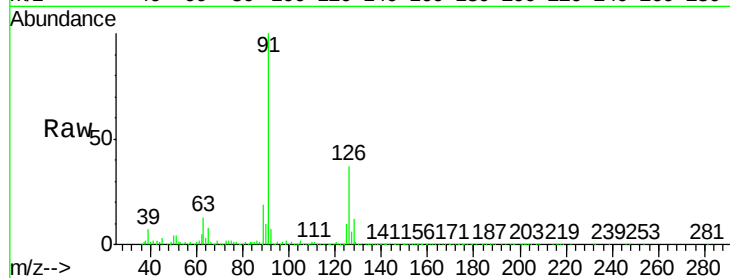
Ion Ratio Lower Upper

91 100

126 36.7 18.4 55.0

Manual Integrations
APPROVED

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#80

1,3,5-Trimethylbenzene

Concen: 20.202 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011588.D

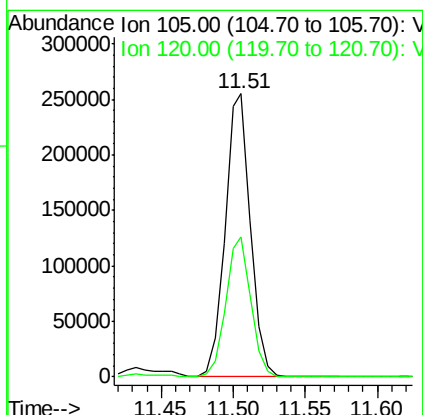
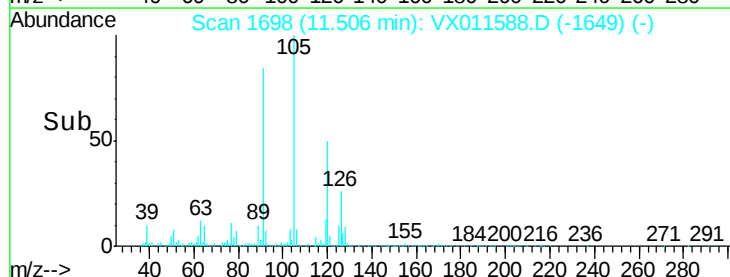
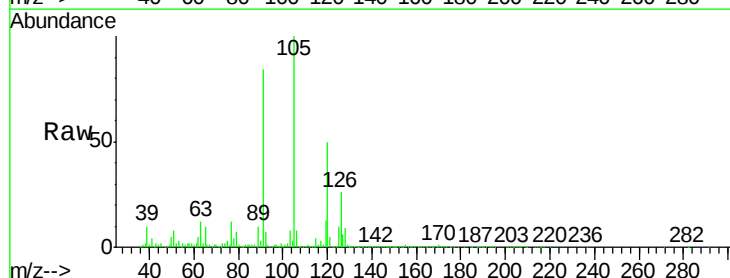
Acq: 16 Aug 2019 17:58

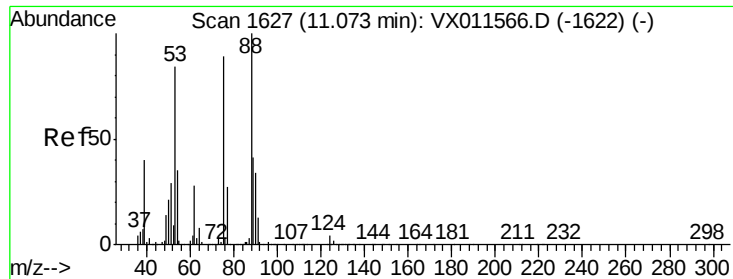
Tgt Ion: 105 Resp: 313132

Ion Ratio Lower Upper

105 100

120 49.0 25.3 75.8





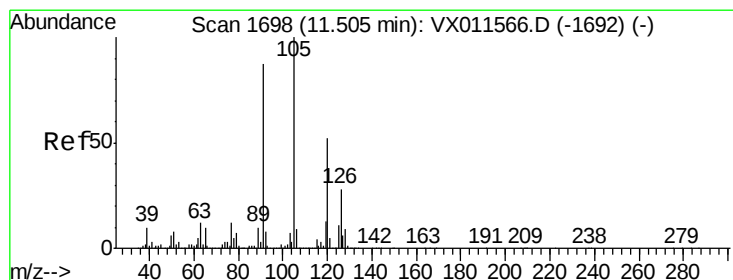
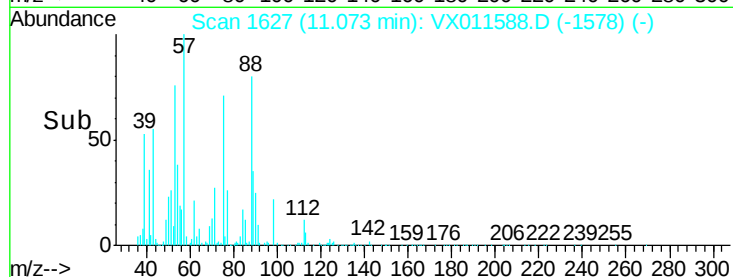
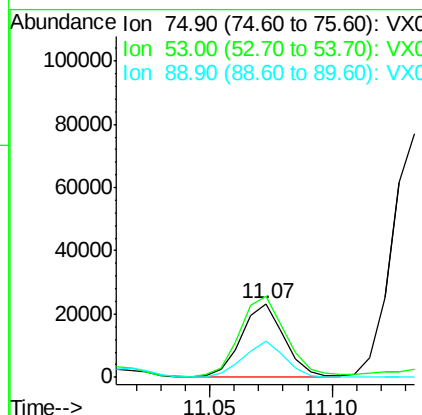
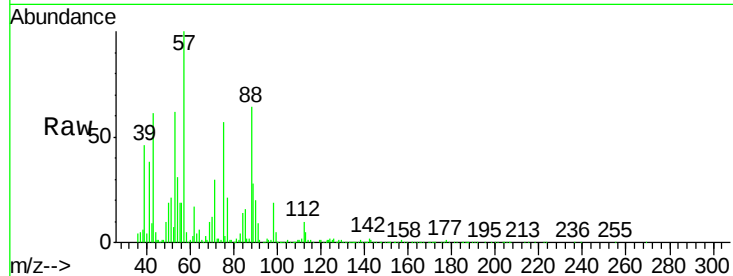
#81
trans-1,4-Dichloro-2-butene
Concen: 17.430 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	116.3	77.4	116.0#
89	46.9	37.3	55.9

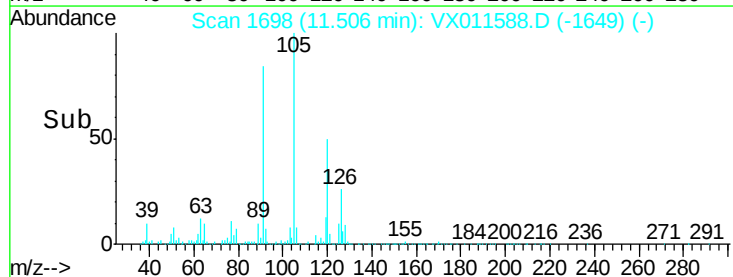
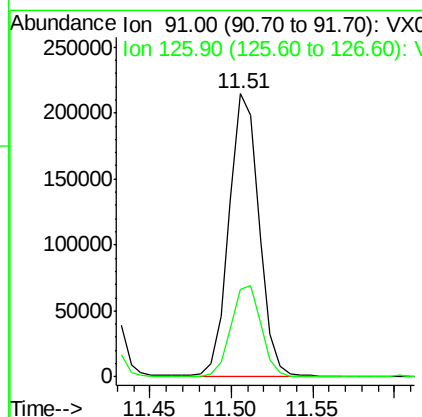
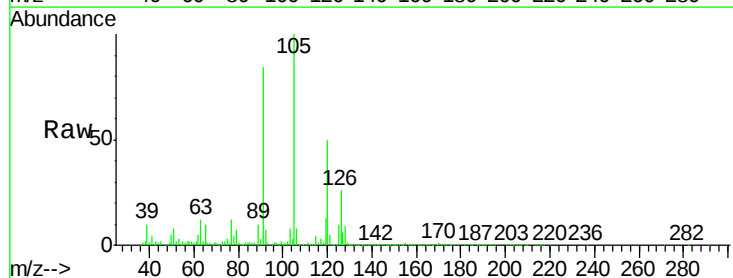
Manual Integrations
APPROVED

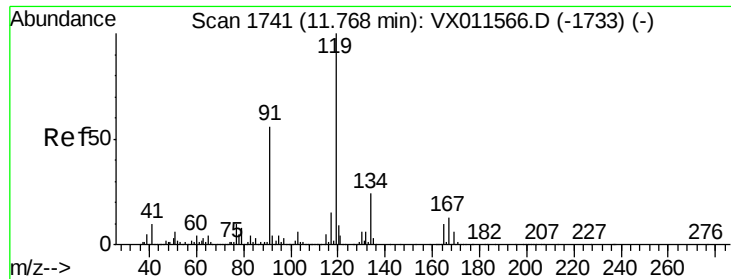
MMDadoda
8/19/2019 10:30:52 AM



#82
4-Chlorotoluene
Concen: 19.254 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.1





#83

tert-Butylbenzene

Concen: 18.674 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Instrument :

MSVOA_X

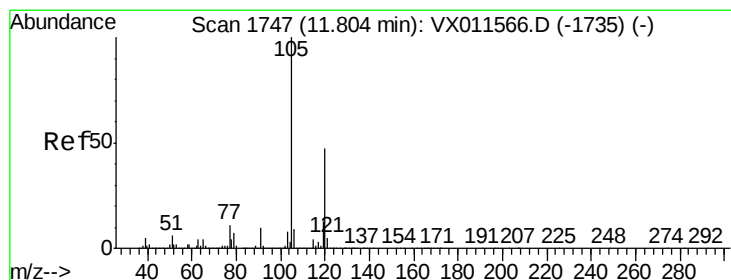
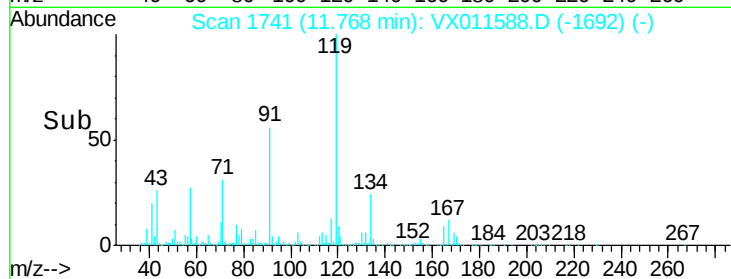
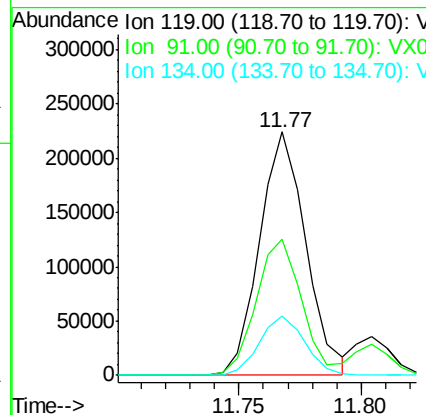
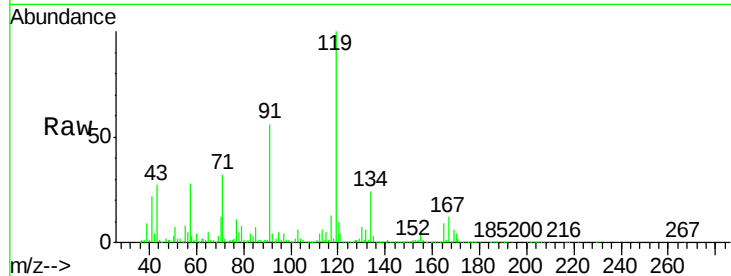
ClientSampleId :

VX0816WBSD01

Tot Ion:	119	Resp:	294807
Ion Ratio	Lower	Upper	
119	100		
91	55.3	27.1	81.3
134	24.0	11.8	35.3

Manual Integrations
APPROVED

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#84

1,2,4-Trimethylbenzene

Concen: 21.444 ug/l

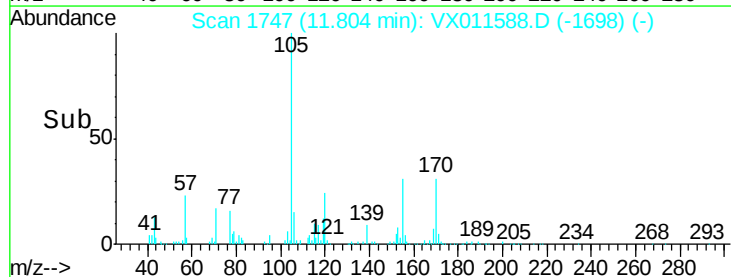
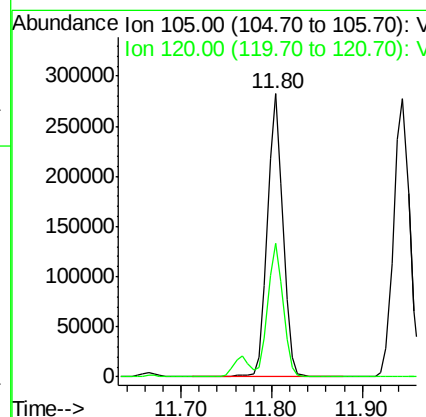
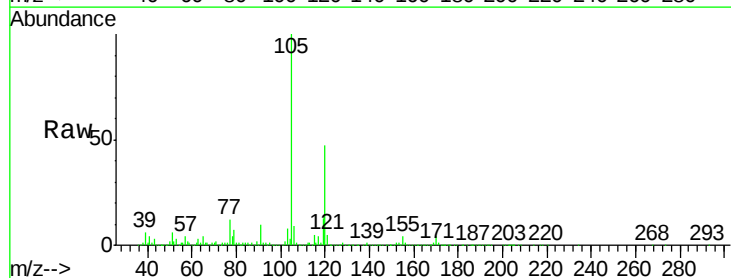
RT: 11.80 min Scan# 1747

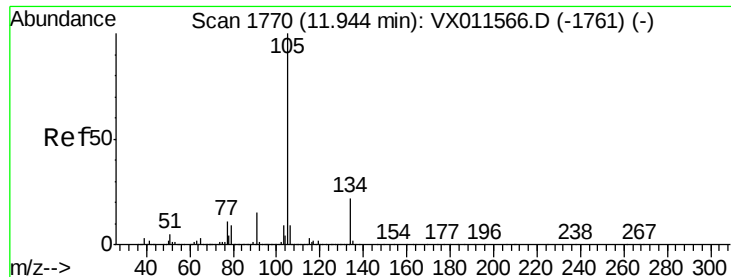
Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Tgt Ion:	105	Resp:	333699
Ion Ratio	Lower	Upper	
105	100		
120	46.8	23.3	69.9





#85

sec-Butylbenzene

Concen: 18.984 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBSD01

Tot Ion:105 Resp: 338137

Ion Ratio Lower Upper

105 100

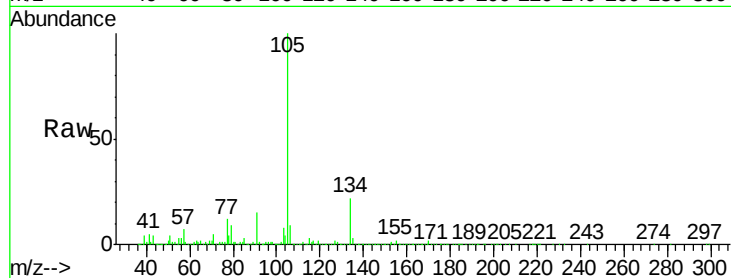
134 22.1 10.8 32.4

Manual Integrations

APPROVED

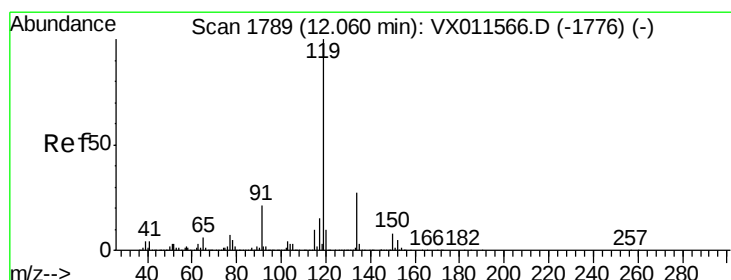
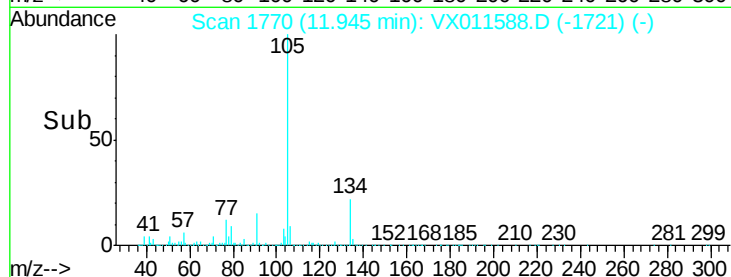
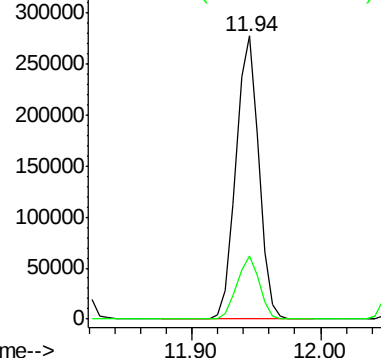
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.672 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

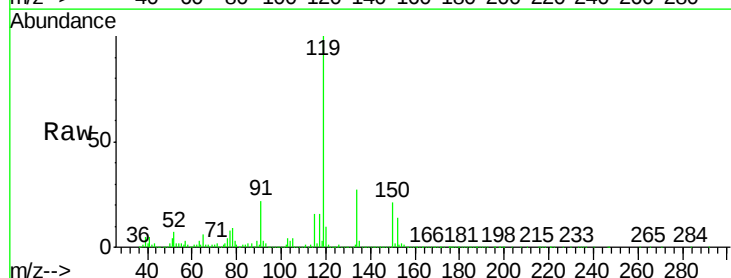
Tgt Ion:119 Resp: 329637

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

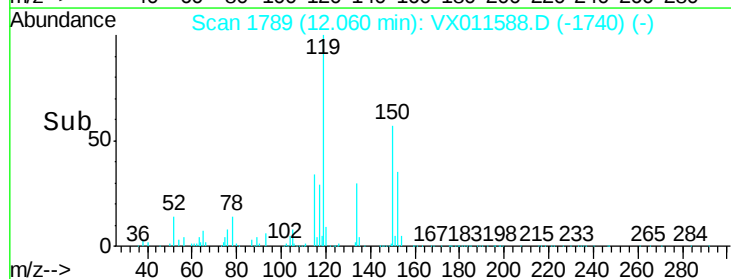
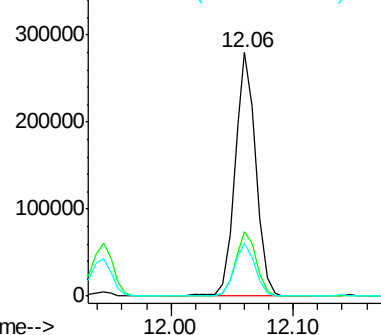
91 21.5 10.9 32.9

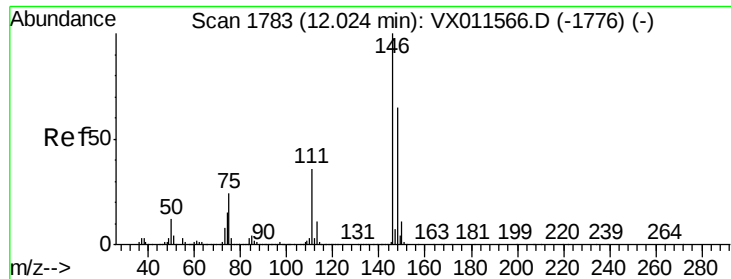


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





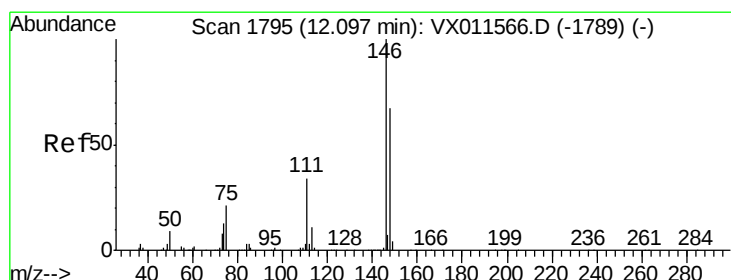
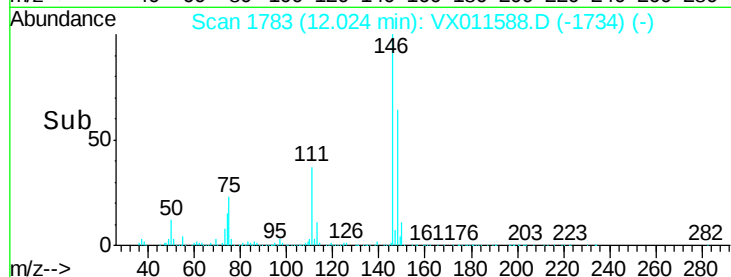
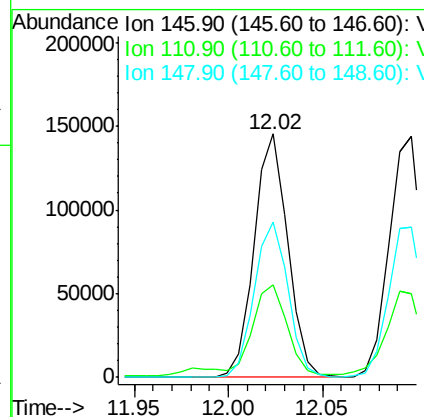
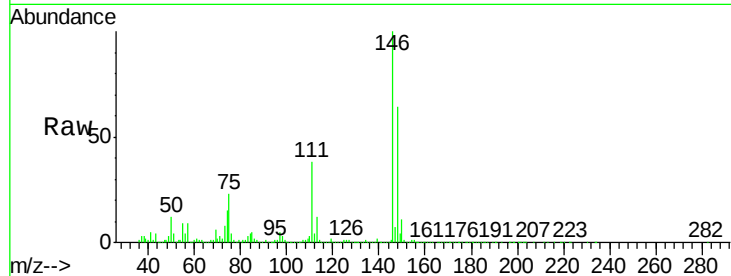
#87
 1,3-Dichlorobenzene
 Concen: 18.945 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011588.D
 Acq: 16 Aug 2019 17:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.1	54.4
148	64.7	32.0	96.0

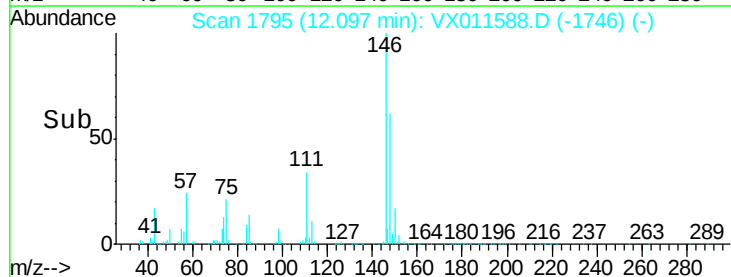
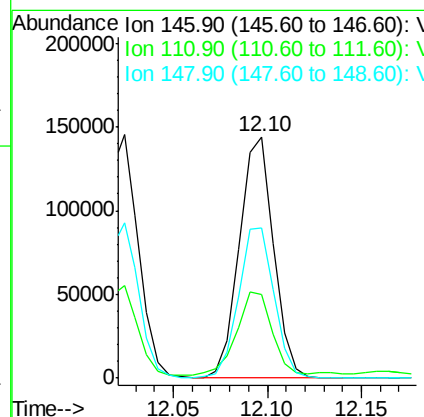
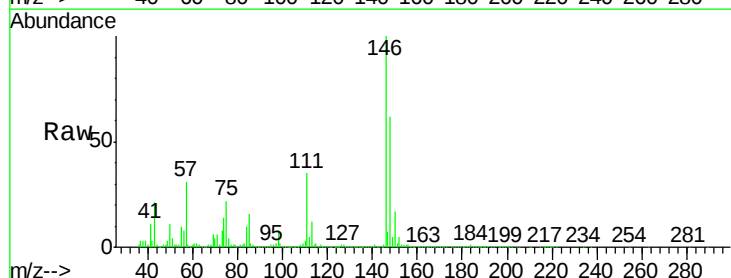
Manual Integrations
 APPROVED

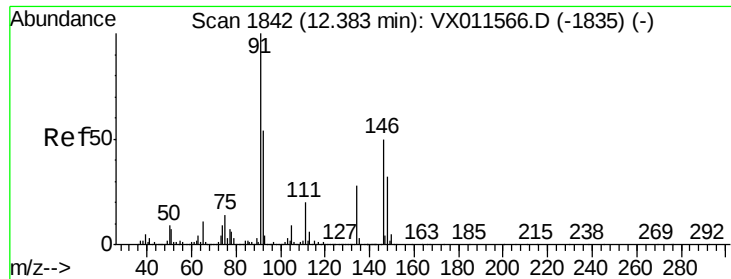
MMDadoda
 8/19/2019 10:30:52 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.982 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011588.D
 Acq: 16 Aug 2019 17:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	17.9	53.7
148	64.8	32.5	97.5





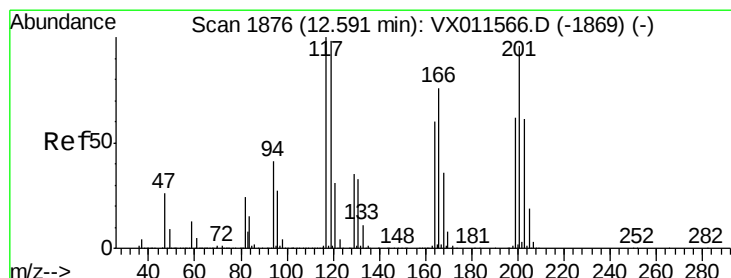
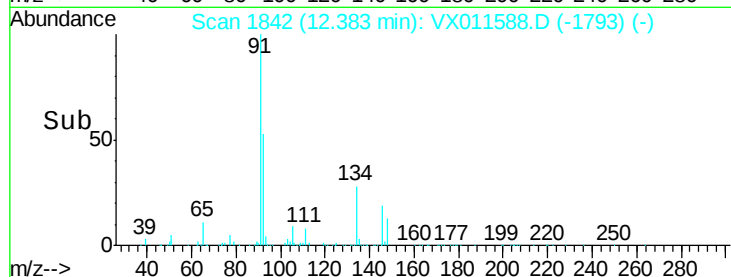
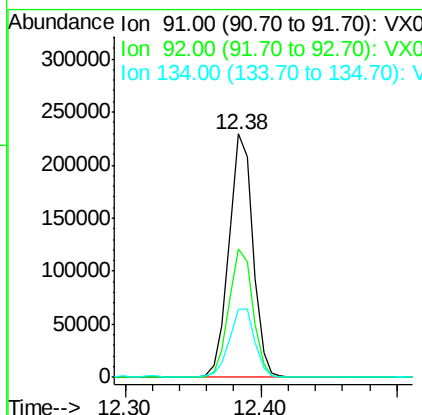
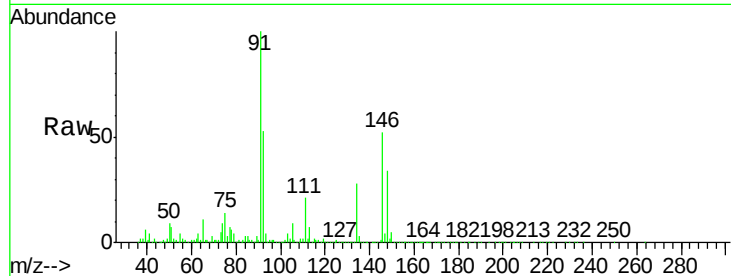
#89
n-Butylbenzene
Concen: 20.288 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.8	80.3
134	30.2	14.6	44.0

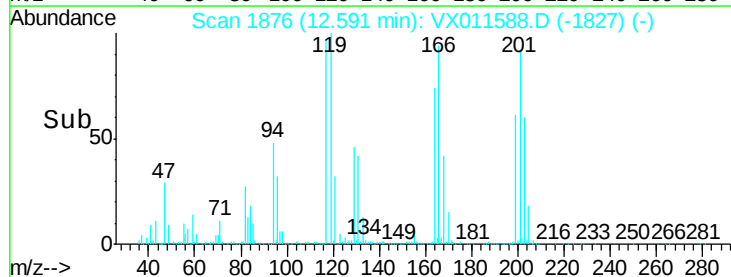
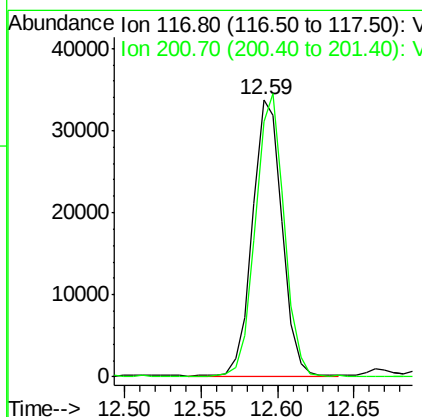
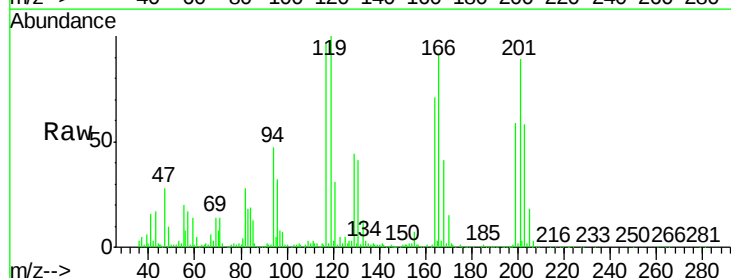
Manual Integrations
APPROVED

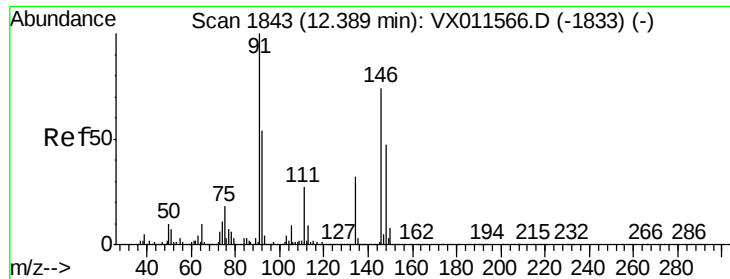
MMDadoda
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#90
Hexachloroethane
Concen: 17.094 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011588.D
Acq: 16 Aug 2019 17:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.0	51.9	155.7





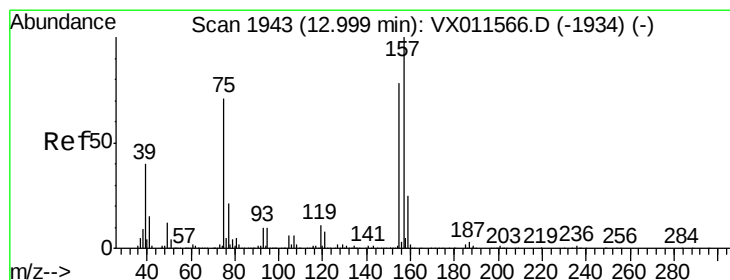
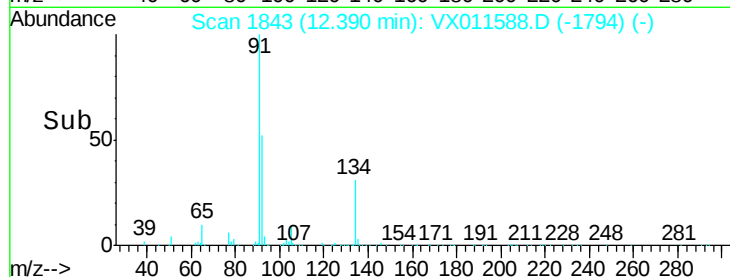
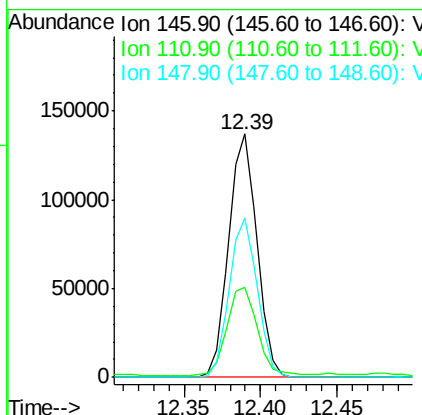
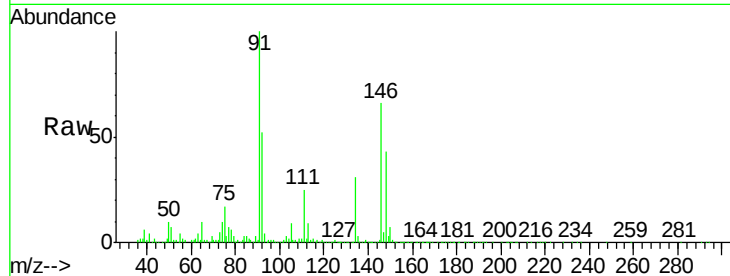
#91
 1,2-Dichlorobenzene
 Concen: 18.523 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011588.D
 Acq: 16 Aug 2019 17:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	175460		
111	39.1	18.9	56.7	
148	64.9	31.9	95.9	

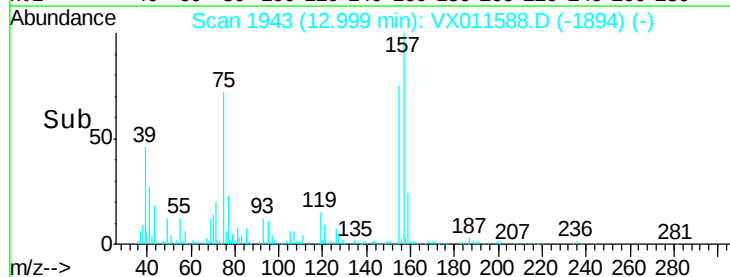
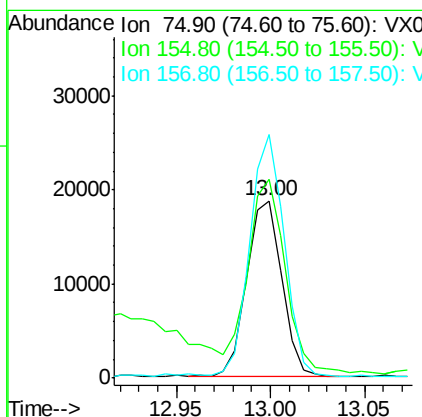
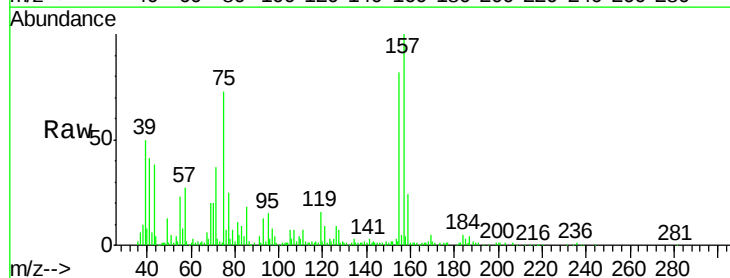
Manual Integrations
 APPROVED

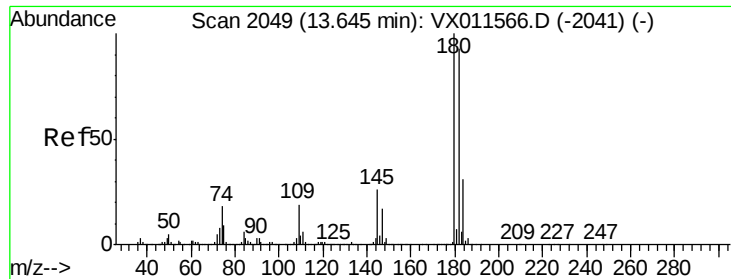
MMDadoda
 8/19/2019 10:30:52 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.598 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011588.D
 Acq: 16 Aug 2019 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	24103		
155	118.2	53.0	159.0	
157	135.2	68.3	205.1	





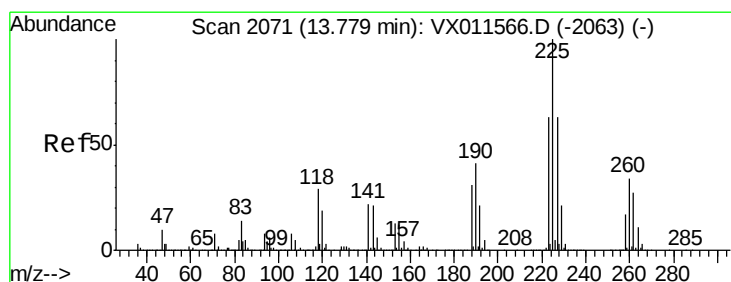
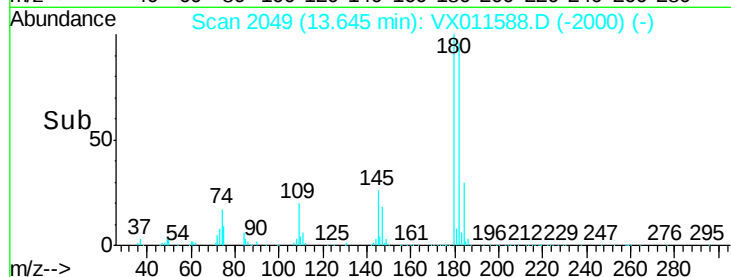
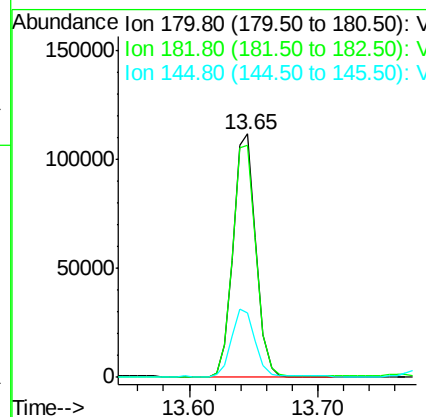
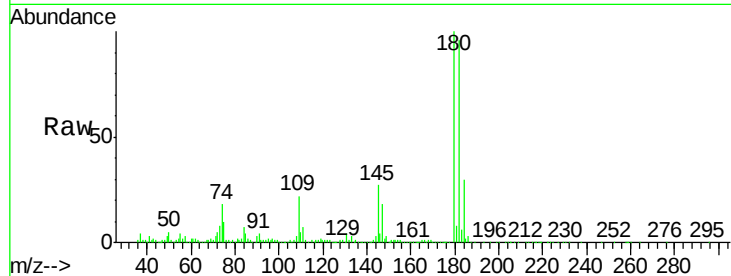
#93
 1,2,4-Trichlorobenzene
 Concen: 19.591 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011588.D
 Acq: 16 Aug 2019 17:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.4	47.3	142.0	
145	29.4	13.6	40.8	

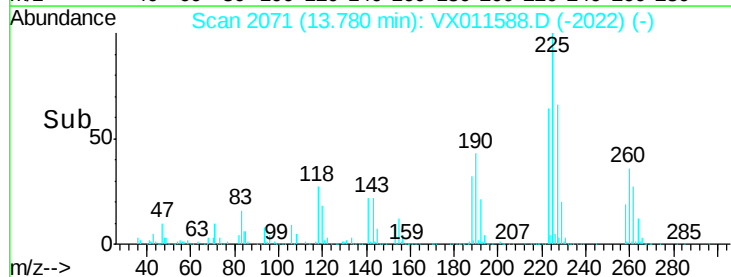
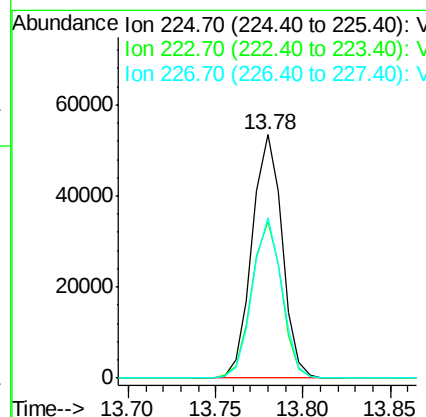
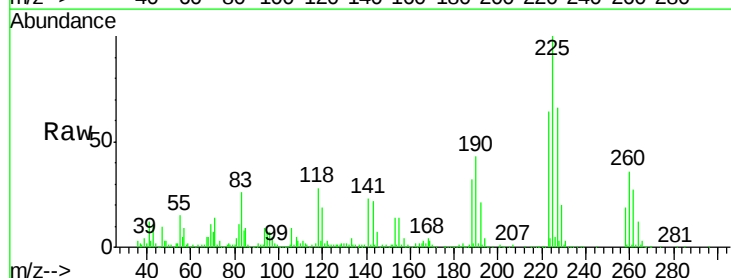
Manual Integrations
 APPROVED

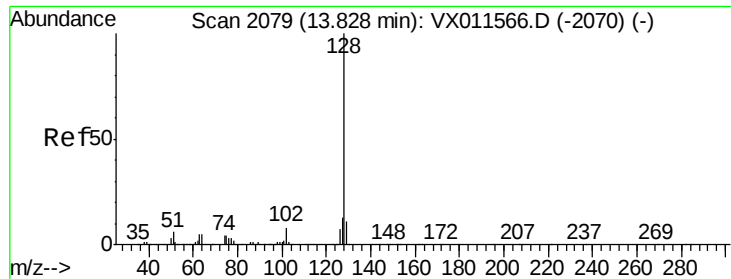
MMDadoda
 8/19/2019 10:30:52 AM



#94
 Hexachlorobutadiene
 Concen: 16.738 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011588.D
 Acq: 16 Aug 2019 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.3	31.4	94.0	
227	64.6	31.2	93.6	





#95

Naphthalene

Concen: 22.078 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Instrument :

MSVOA_X

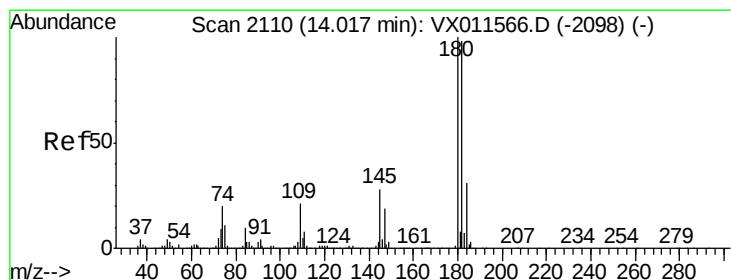
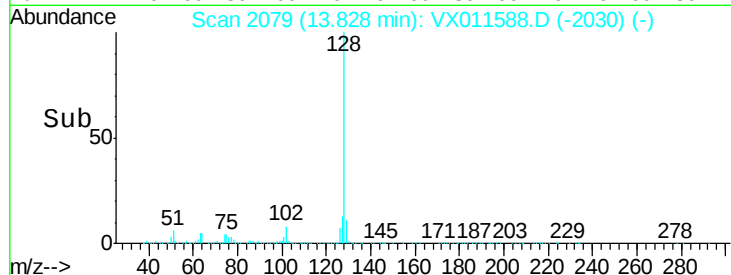
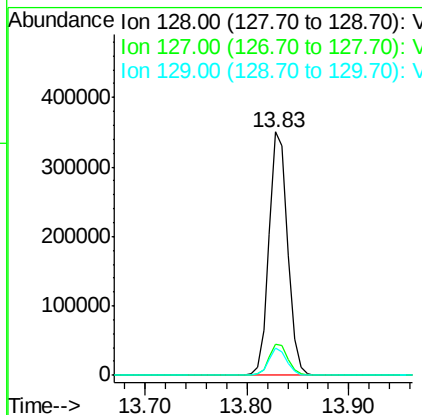
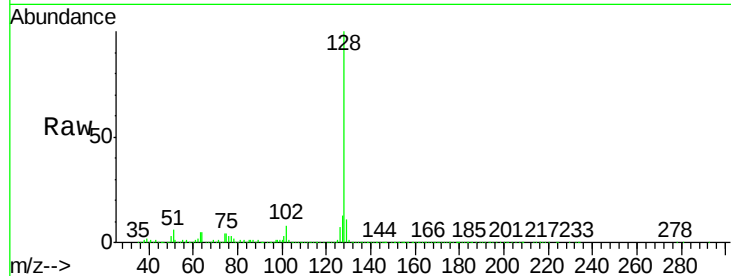
ClientSampleId :

VX0816WBSD01

Tot Ion:	128	Resp:	440524
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.3	15.5
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/19/2019 10:30:52 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.931 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011588.D

Acq: 16 Aug 2019 17:58

Tgt Ion:	180	Resp:	141884
Ion Ratio	Lower	Upper	
180	100		
182	93.9	48.0	144.0
145	29.7	14.6	43.8

