

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040819\
 Data File : VX008758.D
 Acq On : 08 Apr 2019 20:20
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/9/2019 1:50:45 PM

Quant Time: Apr 09 09:35:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	168170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	289505	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	249332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113392	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	122971	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
35) Dibromofluoromethane	5.50	113	90751	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
50) Toluene-d8	8.71	98	350470	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
62) 4-Bromofluorobenzene	11.13	95	122002	46.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	81987	42.353	ug/l	99
3) Chloromethane	1.32	50	110321	46.380	ug/l	100
4) Vinyl Chloride	1.40	62	115605	44.178	ug/l	99
5) Bromomethane	1.64	94	57016	44.448	ug/l	98
6) Chloroethane	1.71	64	69032	48.194	ug/l	97
7) Trichlorofluoromethane	1.92	101	133973	46.315	ug/l	98
8) Diethyl Ether	2.19	74	65689	47.886	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	81166	43.581	ug/l	96
10) Methyl Iodide	2.50	142	84000	49.561	ug/l	99
11) Tert butyl alcohol	3.07	59	161536	281.302	ug/l	99
12) 1,1-Dichloroethene	2.37	96	85221	43.834	ug/l	98
13) Acrolein	2.29	56	96656	339.453	ug/l	100
14) Allyl chloride	2.72	41	211886	47.607	ug/l	98
15) Acrylonitrile	3.15	53	392335	257.899	ug/l	100
16) Acetone	2.45	43	313708	222.051	ug/l	100
17) Carbon Disulfide	2.56	76	247003	43.905	ug/l	99
18) Methyl Acetate	2.78	43	183866	53.662	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	348752	50.230	ug/l	99
20) Methylene Chloride	2.85	84	106208	44.912	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	96384	45.833	ug/l	96
22) Diisopropyl ether	3.86	45	419095	48.855	ug/l	98
23) Vinyl Acetate	3.82	43	1886237	252.757	ug/l	99
24) 1,1-Dichloroethane	3.70	63	206011	48.504	ug/l	99
25) 2-Butanone	4.68	43	594578	266.277	ug/l	99
26) 2,2-Dichloropropane	4.58	77	115659	38.663	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	113907	47.111	ug/l	97
28) Bromochloromethane	5.02	49	95703	54.196	ug/l	100
29) Tetrahydrofuran	5.13	42	397569	268.257	ug/l	100
30) Chloroform	5.21	83	185461	48.889	ug/l	98
31) Cyclohexane	5.58	56	192811	45.496	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	151647	49.469	ug/l	99
36) 1,1-Dichloropropene	5.80	75	139330	44.028	ug/l	99
37) Ethyl Acetate	4.84	43	218670	51.768	ug/l	99
38) Carbon Tetrachloride	5.79	117	124481	47.526	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	169305	43.308	ug/l	98
40) Benzene	6.14	78	438825	46.547	ug/l	100
41) Methacrylonitrile	5.05	41	123202	50.742	ug/l	99
42) 1,2-Dichloroethane	6.20	62	158279	46.831	ug/l	100
43) Isopropyl Acetate	6.45	43	334188	50.505	ug/l	100
44) Trichloroethene	7.21	130	101064	46.027	ug/l	98
45) 1,2-Dichloropropane	7.52	63	125999	46.824	ug/l	99
46) Dibromomethane	7.66	93	71868	46.050	ug/l	99
47) Bromodichloromethane	7.90	83	142803	48.529	ug/l	99
48) Methyl methacrylate	7.77	41	165391	49.412	ug/l	99
49) 1,4-Dioxane	7.74	88	64194	1023.785	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1097553	257.666	ug/l	100
52) Toluene	8.79	92	257128	46.262	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	157954	47.919	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	178112	47.289	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	106394	47.688	ug/l	99
56) Ethyl methacrylate	9.18	69	197738	48.985	ug/l	100
57) 1,3-Dichloropropane	9.37	76	190565	47.567	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	525315	254.857	ug/l	99
59) 2-Hexanone	9.49	43	842566	254.526	ug/l	100
60) Dibromochloromethane	9.59	129	104526	49.718	ug/l	100
61) 1,2-Dibromoethane	9.67	107	111100	47.834	ug/l	99
64) Tetrachloroethene	9.34	164	87959	47.615	ug/l	99
65) Chlorobenzene	10.14	112	259051	46.871	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	97102	50.080	ug/l	99
67) Ethyl Benzene	10.25	91	483150	46.881	ug/l	100
68) m/p-Xylenes	10.36	106	344334	92.925	ug/l	99
69) o-Xylene	10.70	106	169459	47.189	ug/l	98
70) Styrene	10.71	104	296079	47.831	ug/l	99
71) Bromoform	10.86	173	76890	51.922	ug/l #	98
73) Isopropylbenzene	11.02	105	448841	47.764	ug/l	100
74) N-amyl acetate	10.90	43	277217	50.141	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	174133	48.724	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	149291m	47.927	ug/l	
77) Bromobenzene	11.26	156	107700	47.674	ug/l	99
78) n-propylbenzene	11.36	91	515573	47.120	ug/l	100
79) 2-Chlorotoluene	11.42	91	307249	46.402	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	375864	47.649	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	56123	49.665	ug/l	99
82) 4-Chlorotoluene	11.51	91	348630	45.486	ug/l	98
83) tert-Butylbenzene	11.77	119	364873	48.080	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	380463	47.634	ug/l	100
85) sec-Butylbenzene	11.94	105	427275	47.400	ug/l	99
86) p-Isopropyltoluene	12.06	119	383784	47.435	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	186933	46.222	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	184668	45.093	ug/l	99
89) n-Butylbenzene	12.39	91	352504	46.458	ug/l	100
90) Hexachloroethane	12.60	117	66243	49.364	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	186837	46.529	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	41513	52.803	ug/l	99

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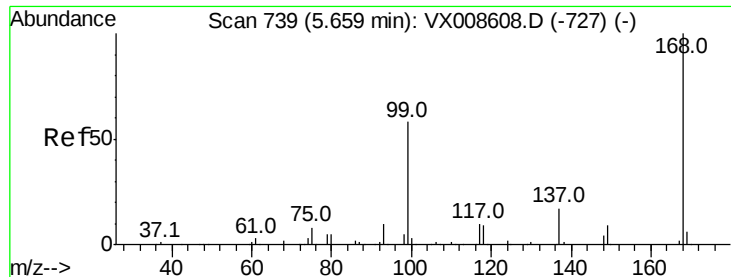
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	129480	46.377	ug/l	99
94) Hexachlorobutadiene	13.78	225	63389	47.342	ug/l	100
95) Naphthalene	13.83	128	466540	49.998	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	131003	46.963	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 168170

Ion Ratio Lower Upper

168 100

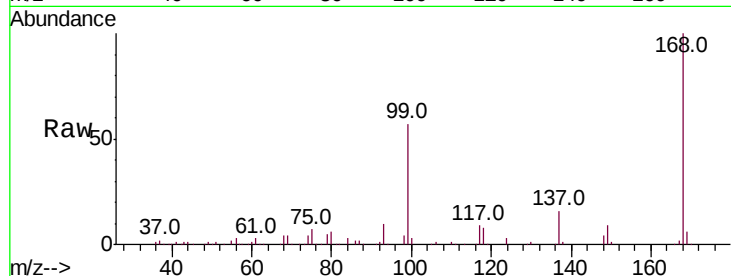
99 57.1 46.7 70.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

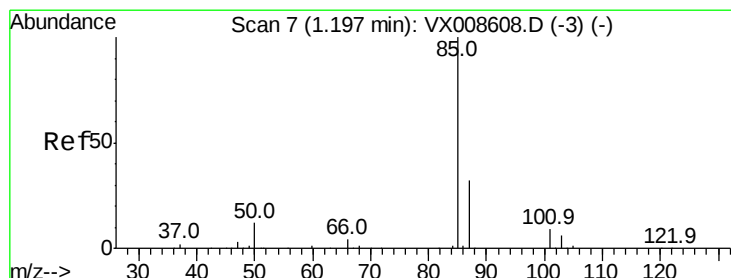
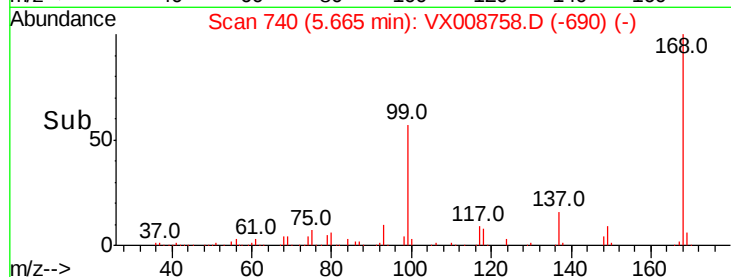
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 42.353 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008758.D

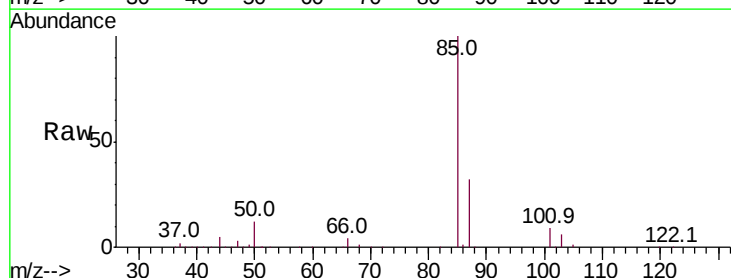
Acq: 08 Apr 2019 20:20

Tgt Ion: 85 Resp: 81987

Ion Ratio Lower Upper

85 100

87 32.1 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

60000

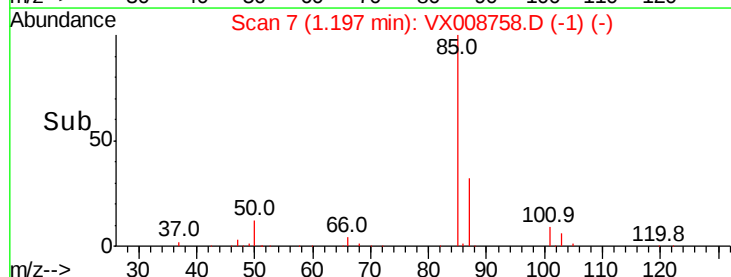
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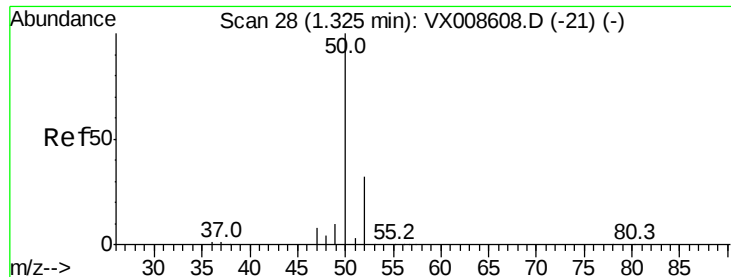
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1.15 1.20 1.25 1.30 1.35

Time-->





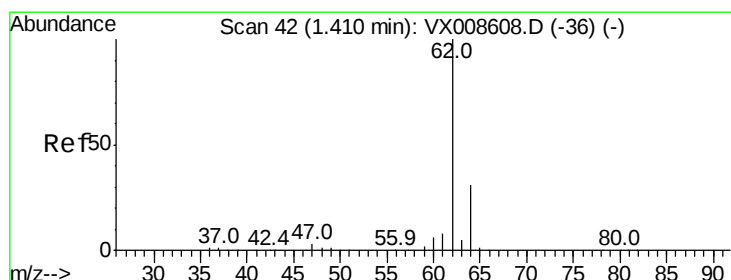
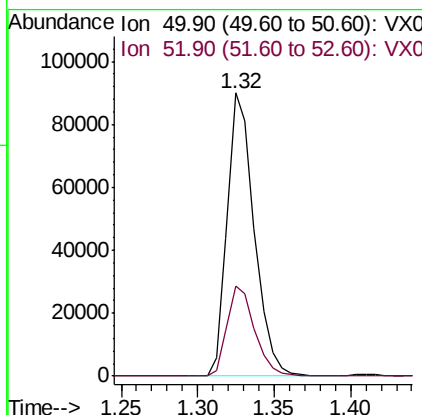
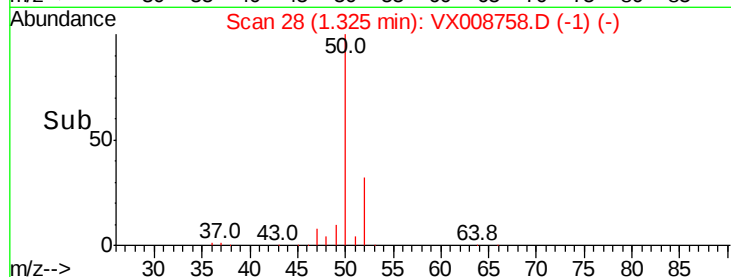
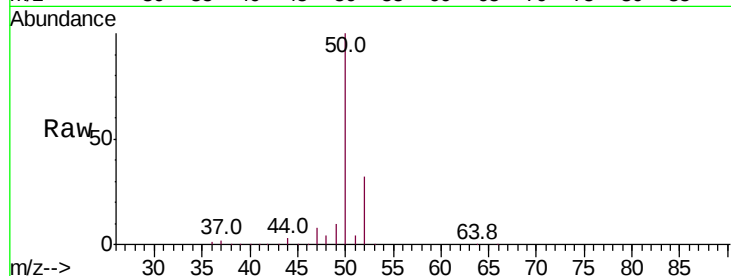
#3
Chloromethane
Concen: 46.380 ug/l
RT: 1.32 min Scan# 28
Delta R.T. 0.00 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.0	25.8	38.8

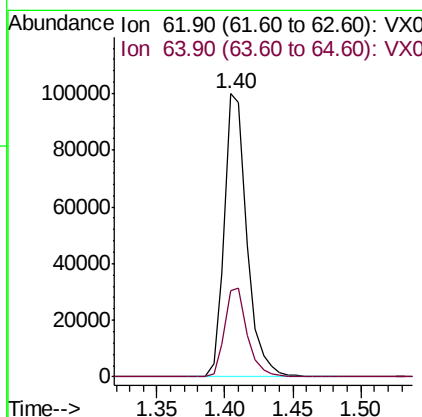
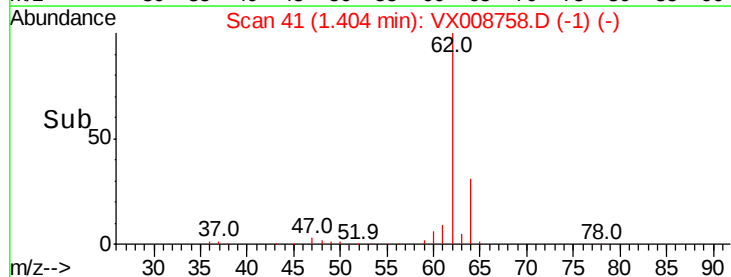
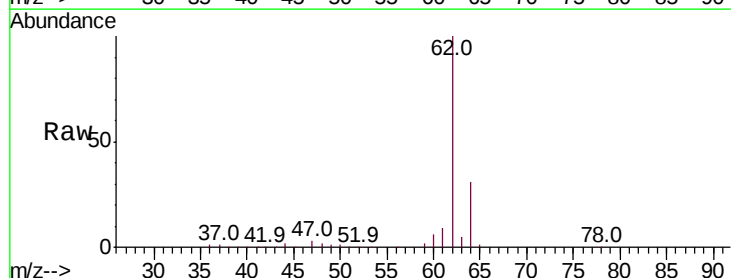
Manual Integrations
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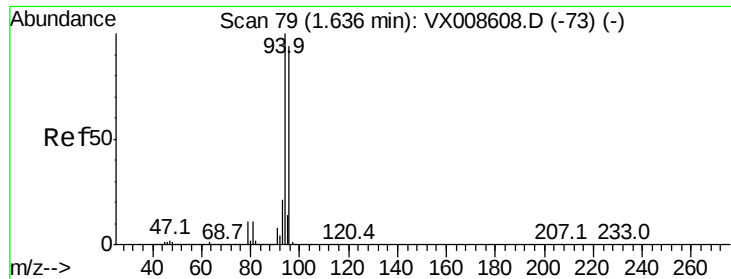
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#4
Vinyl Chloride
Concen: 44.178 ug/l
RT: 1.40 min Scan# 41
Delta R.T. -0.01 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Tgt Ion	Ratio	Lower	Upper
62	100		
64	30.5	24.7	37.1





#5

Bromomethane

Concen: 44.448 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 57016

Ion Ratio Lower Upper

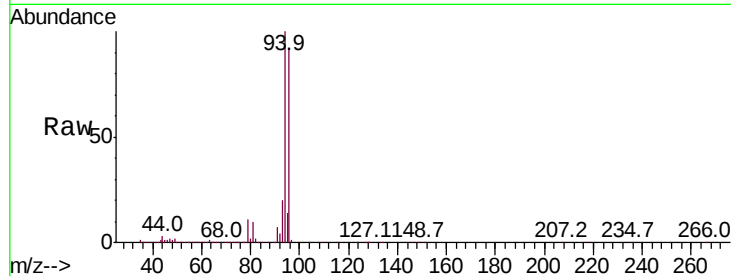
94 100

96 92.2 75.2 112.8

Manual Integrations
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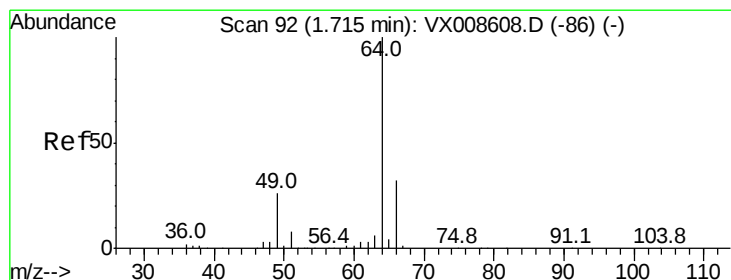
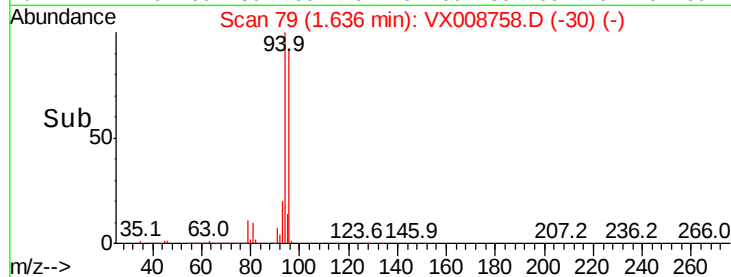
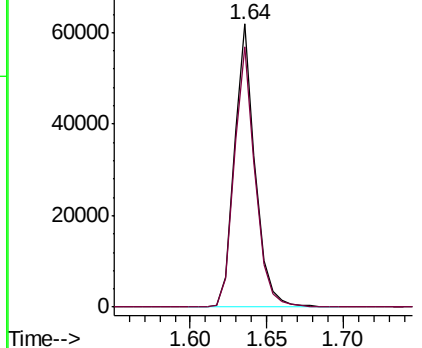
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 48.194 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008758.D

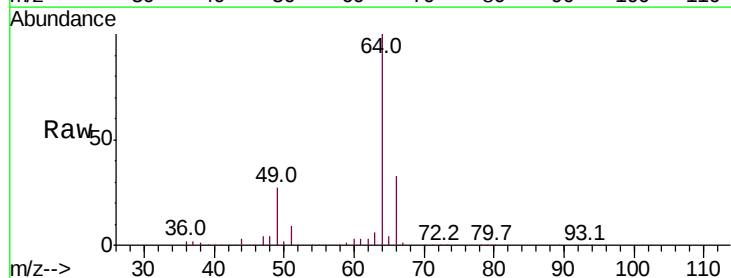
Acq: 08 Apr 2019 20:20

Tgt Ion: 64 Resp: 69032

Ion Ratio Lower Upper

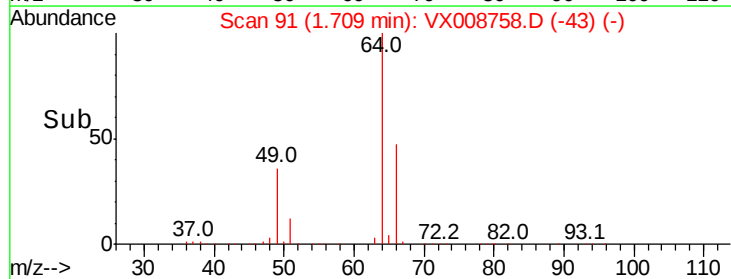
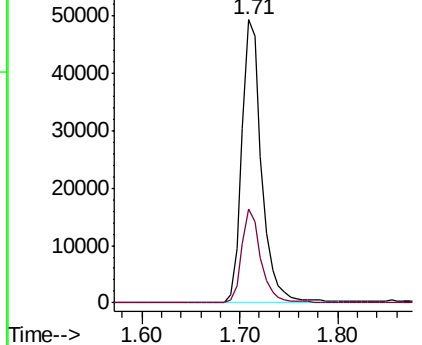
64 100

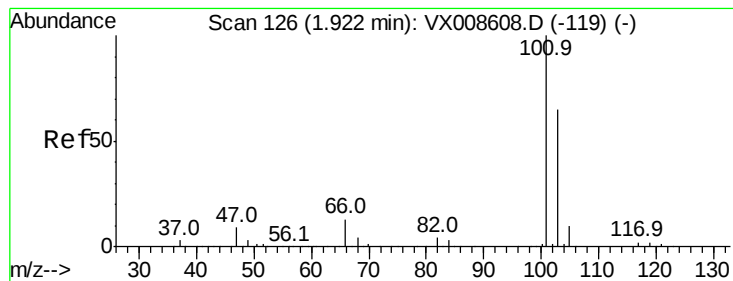
66 33.2 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





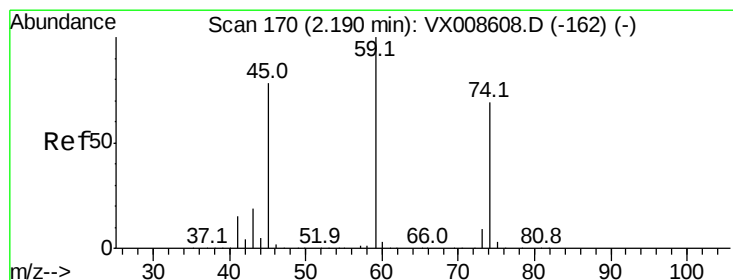
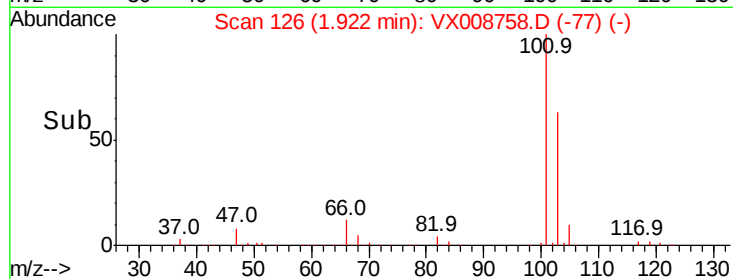
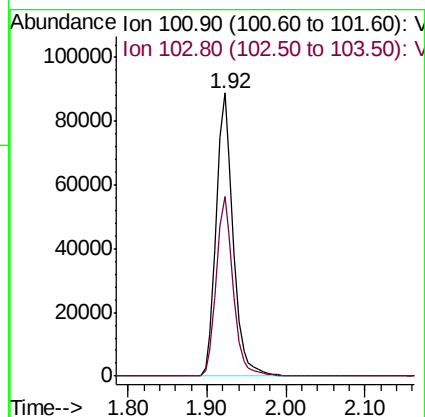
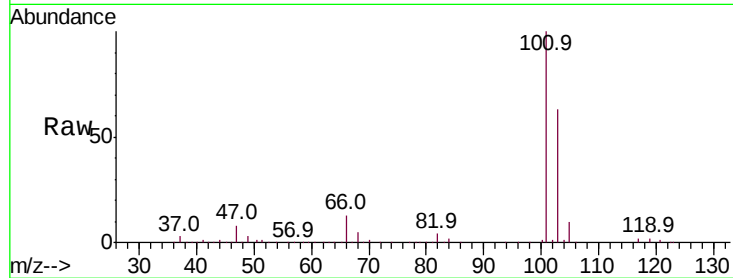
#7
 Trichlorofluoromethane
 Concen: 46.315 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX008758.D
 Acq: 08 Apr 2019 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 133973
 Ion Ratio Lower Upper
 101 100
 103 63.5 52.3 78.5

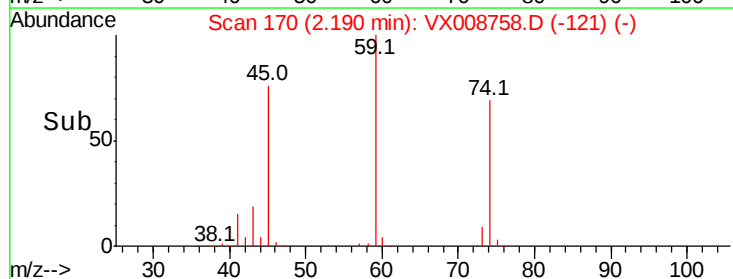
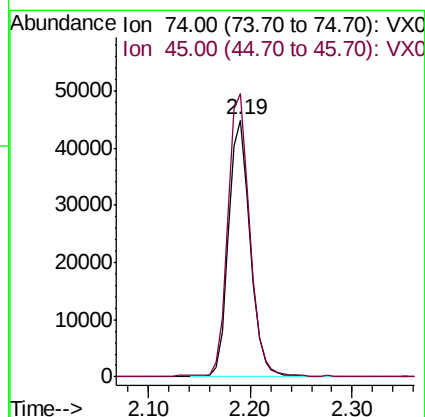
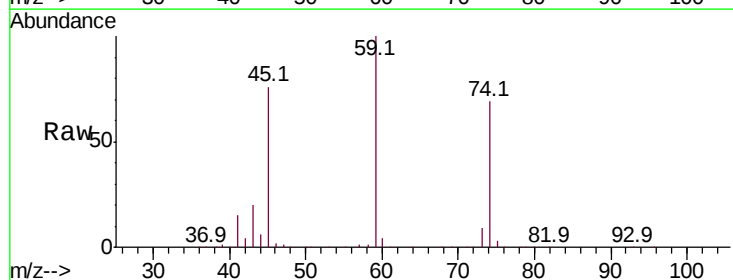
Manual Integrations
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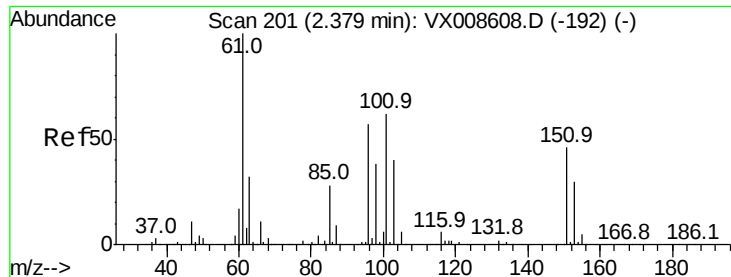
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#8
 Diethyl Ether
 Concen: 47.886 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX008758.D
 Acq: 08 Apr 2019 20:20

Tgt Ion: 74 Resp: 65689
 Ion Ratio Lower Upper
 74 100
 45 110.5 56.5 169.5





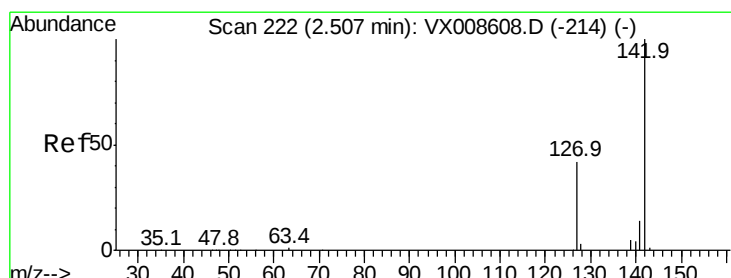
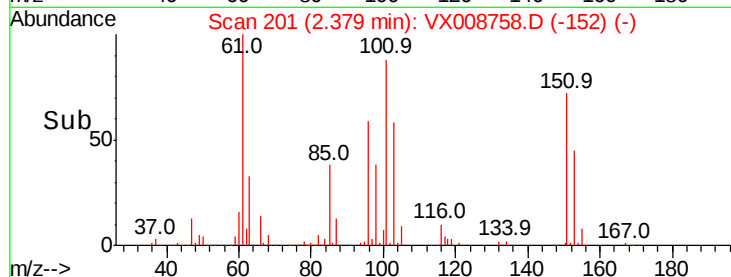
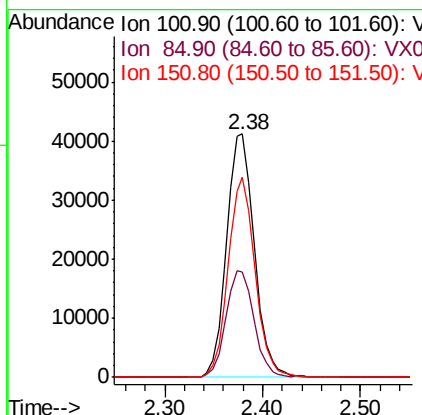
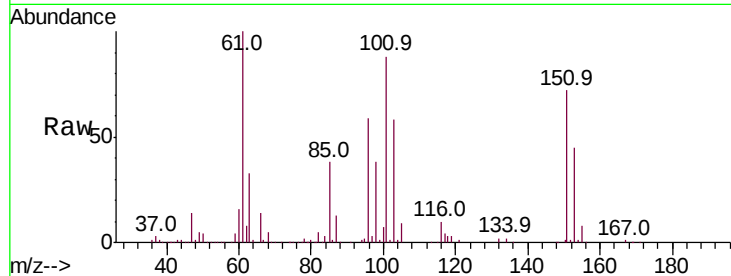
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 43.581 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.00 min
 Lab File: VX008758.D
 Acq: 08 Apr 2019 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	81166		
85	44.1	36.0	54.0	
151	79.7	59.9	89.9	

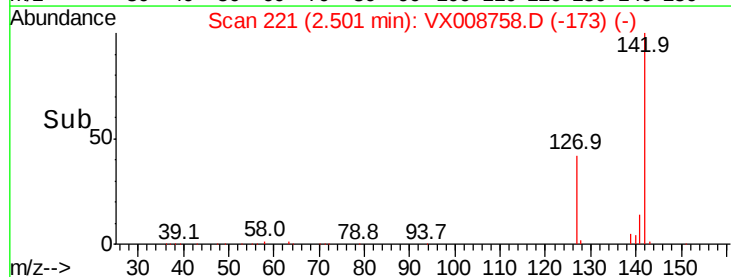
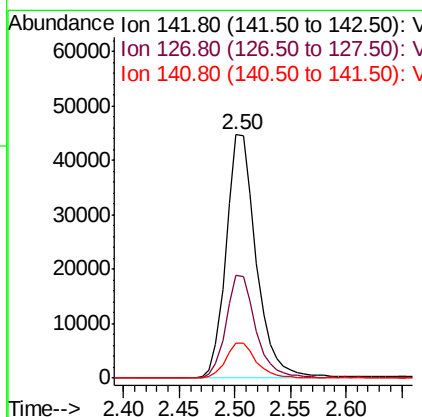
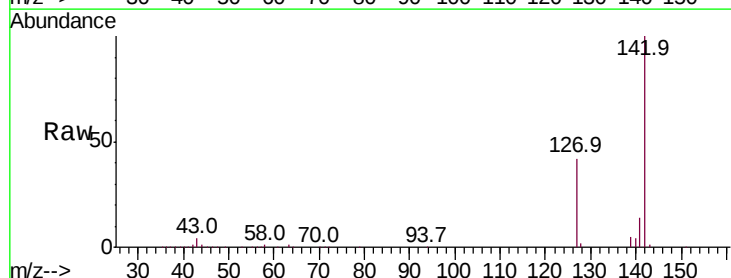
Manual Integrations
 APPROVED

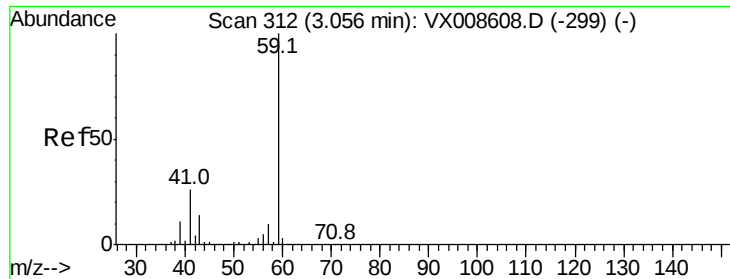
MMDadoda
 4/9/2019 1:50:45 PM



#10
 Methyl Iodide
 Concen: 49.561 ug/l
 RT: 2.50 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VX008758.D
 Acq: 08 Apr 2019 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	84000		
127	41.7	33.0	49.6	
141	14.6	11.4	17.2	





#11

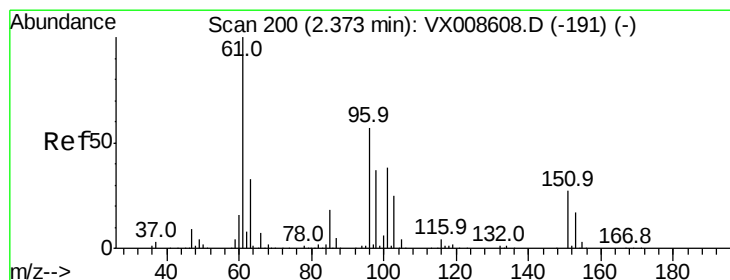
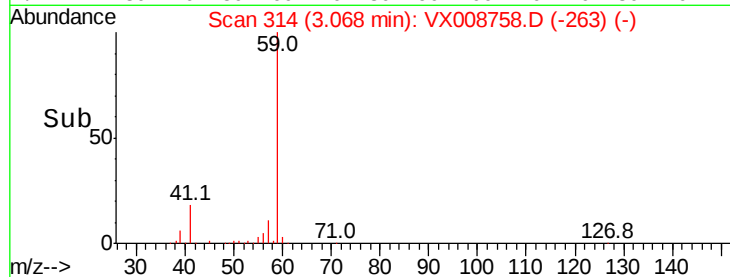
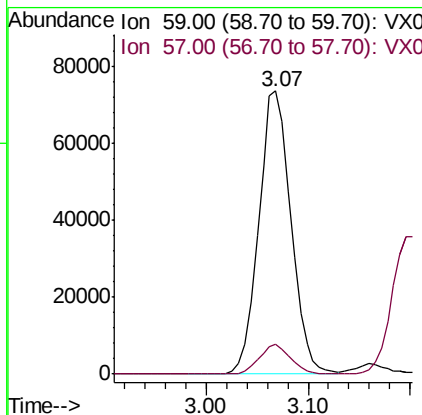
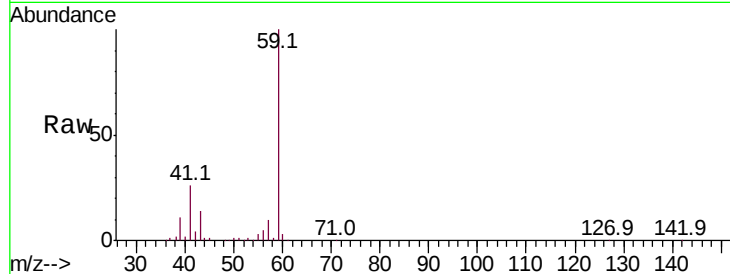
Tert butyl alcohol
Concen: 281.302 ug/l
RT: 3.07 min Scan# 314
Delta R.T. 0.01 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 161536
Ion Ratio Lower Upper
59 100
57 10.2 8.3 12.5

Manual Integrations
APPROVED

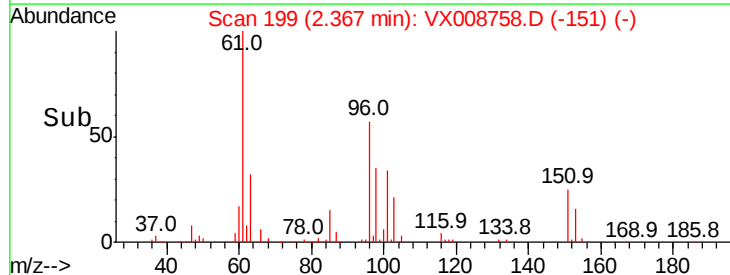
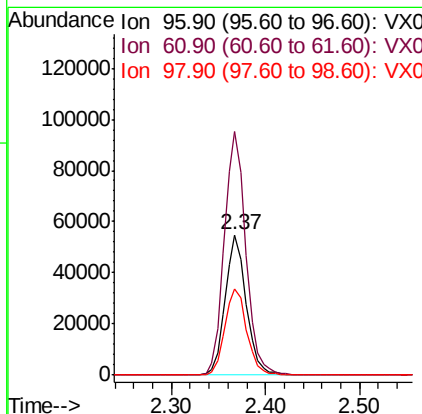
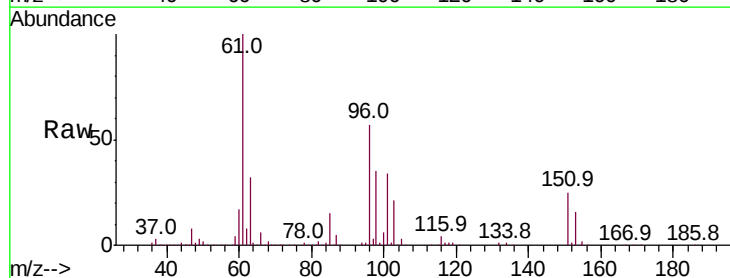
MMDadoda
4/9/2019 1:50:45 PM

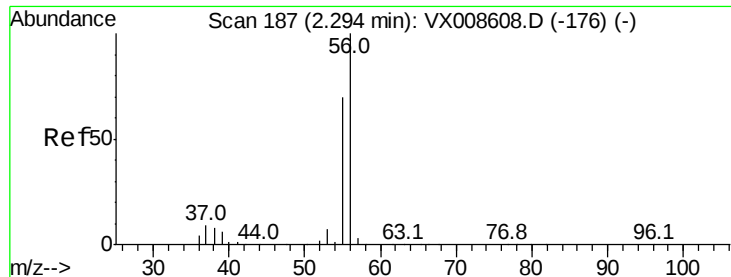


#12

1,1-Dichloroethene
Concen: 43.834 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Tgt Ion: 96 Resp: 85221
Ion Ratio Lower Upper
96 100
61 173.9 140.9 211.3
98 61.5 52.1 78.1





#13

Acrolein

Concen: 339.453 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 96656

Ion Ratio Lower Upper

56 100

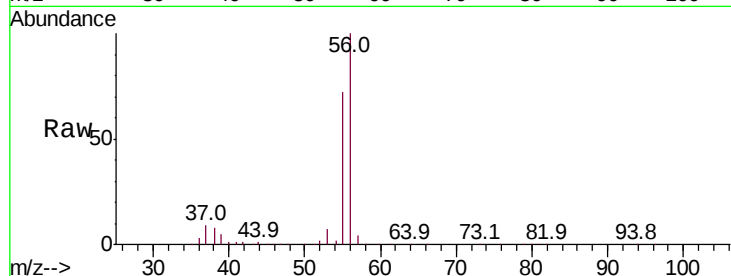
55 72.9 58.0 87.0

Manual Integrations

APPROVED

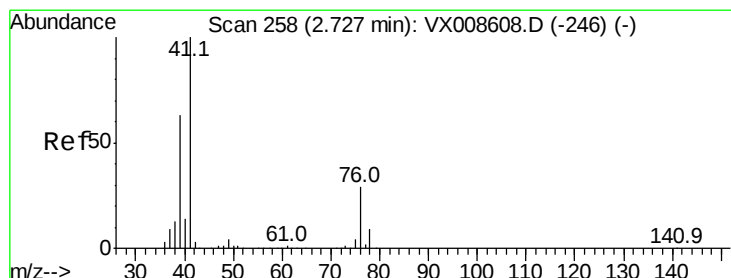
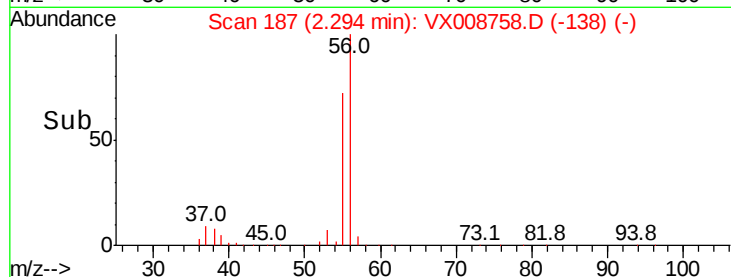
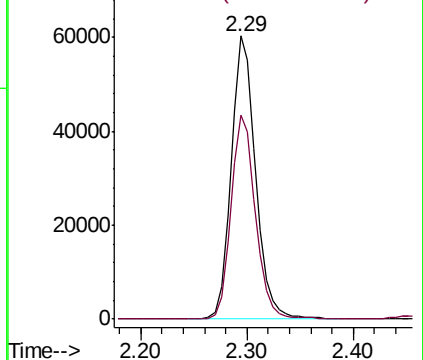
MMDadoda

4/9/2019 1:50:45 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 47.607 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

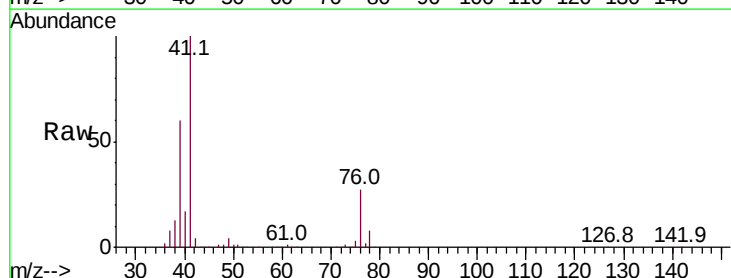
Tgt Ion: 41 Resp: 211886

Ion Ratio Lower Upper

41 100

39 57.8 48.0 72.0

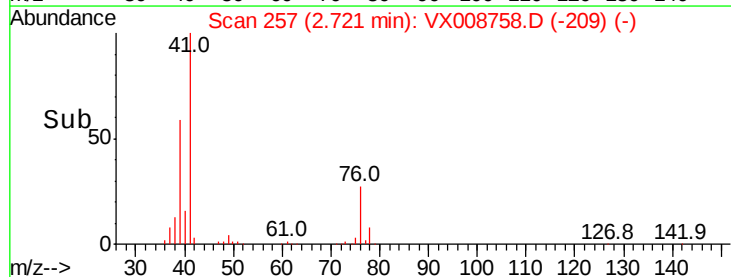
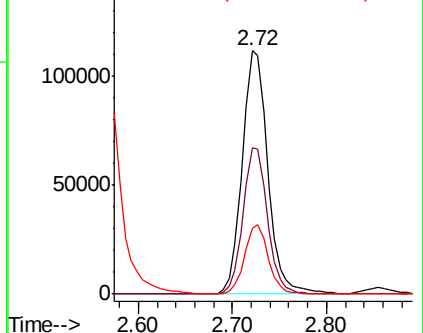
76 26.6 22.0 33.0

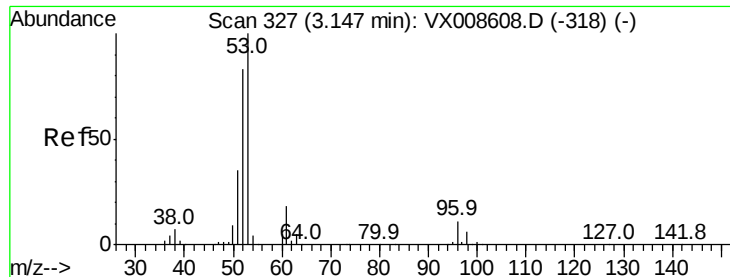


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 257.899 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Instrument :

MSVOA_X

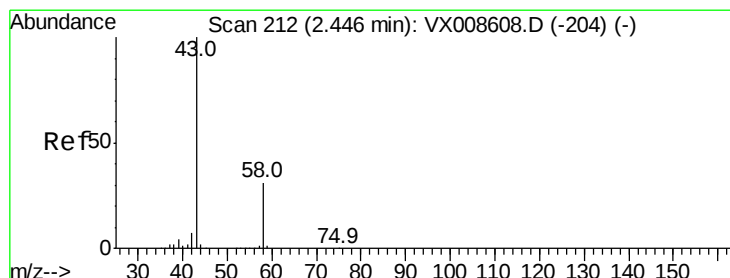
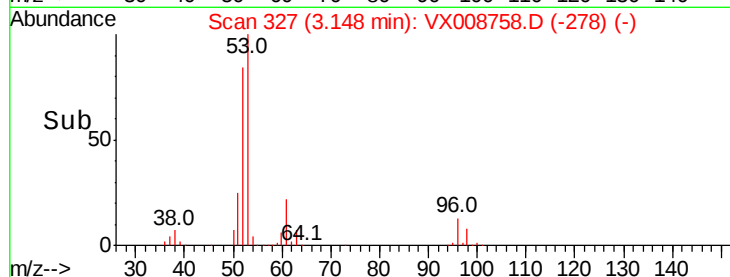
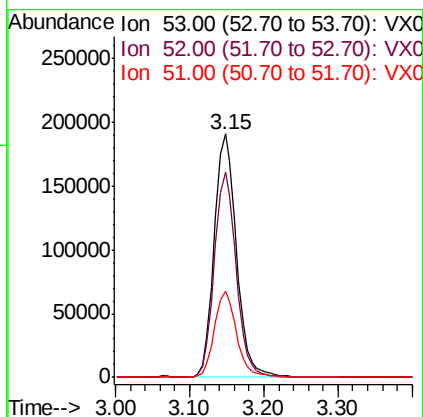
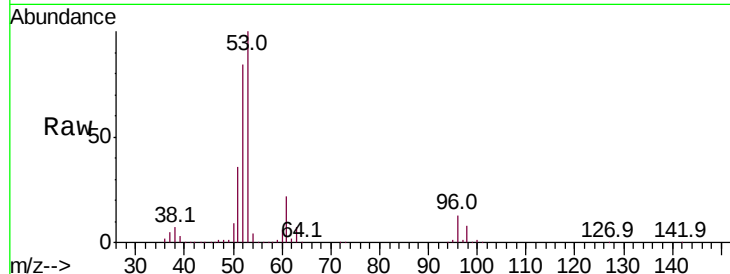
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	392335
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.5	99.7
51	35.6	28.6	42.8

Manual Integrations
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MMDadoda
4/9/2019 1:50:45 PM



#16

Acetone

Concen: 222.051 ug/l

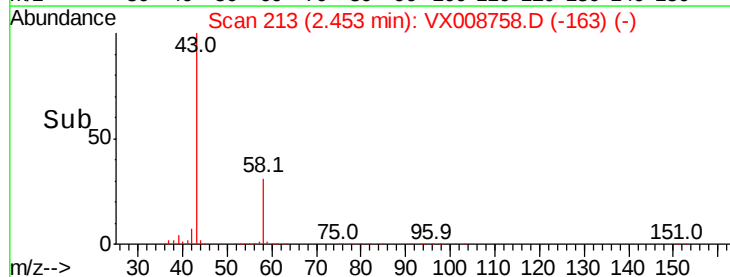
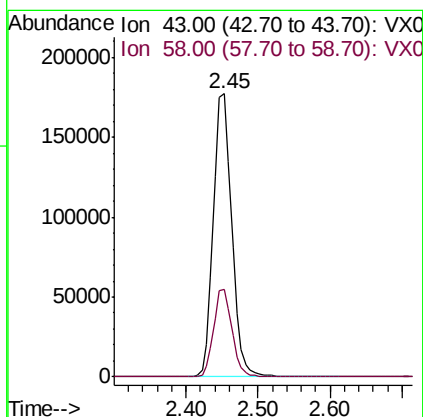
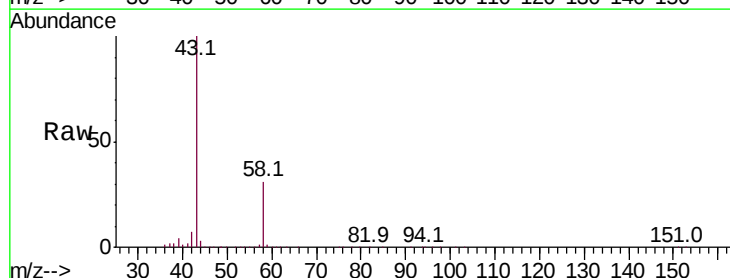
RT: 2.45 min Scan# 213

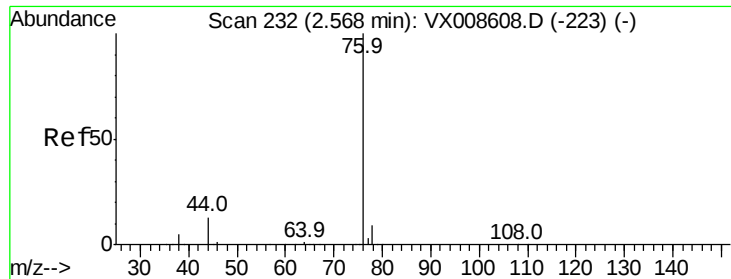
Delta R.T. 0.01 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Tgt Ion:	43	Resp:	313708
Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.8	37.2





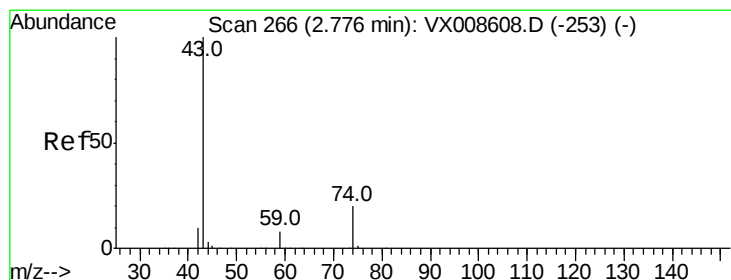
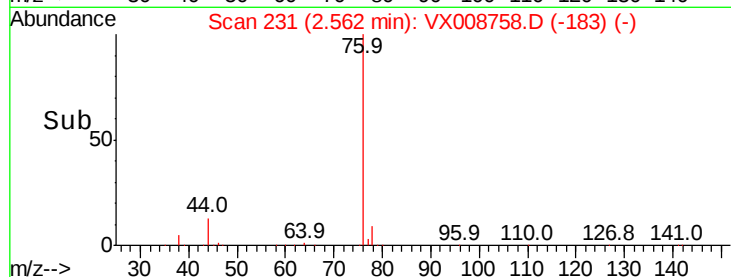
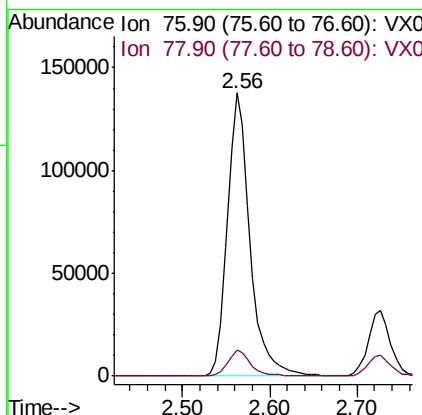
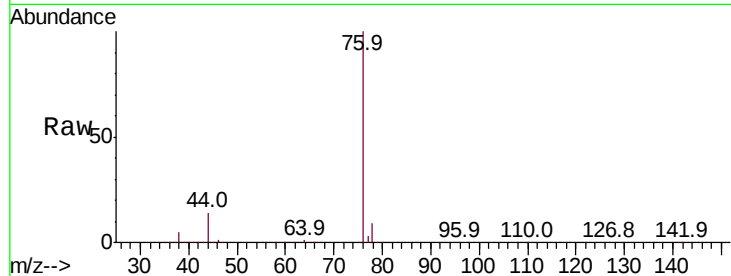
#17
Carbon Disulfide
Concen: 43.905 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.1	10.7

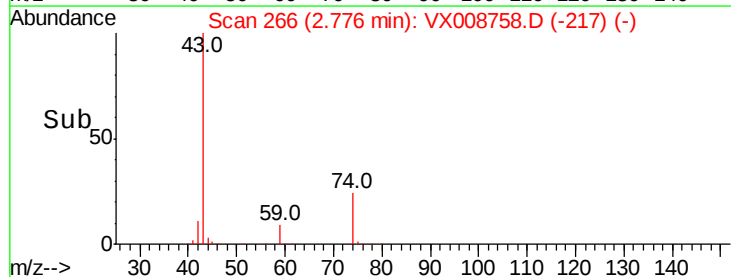
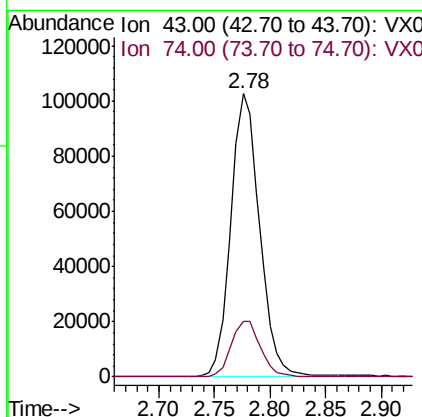
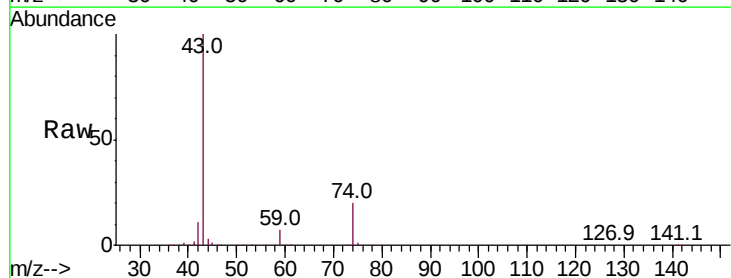
Manual Integrations
APPROVED

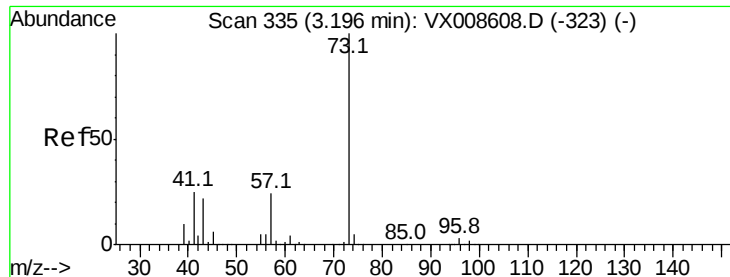
MMDadoda
4/9/2019 1:50:45 PM



#18
Methyl Acetate
Concen: 53.662 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.5	16.5	24.7





#19

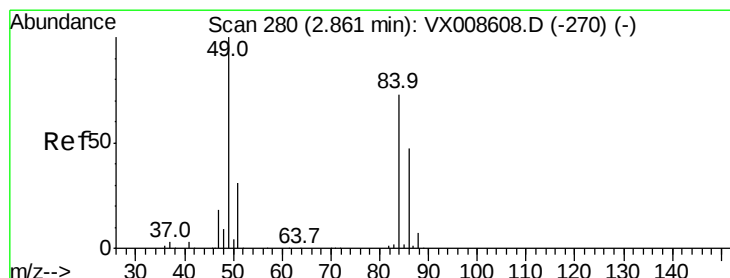
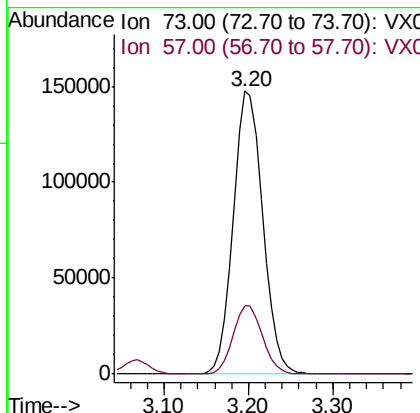
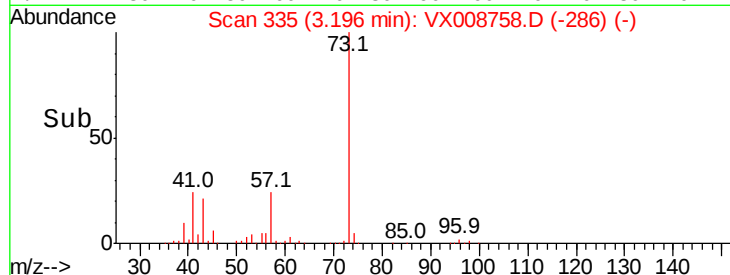
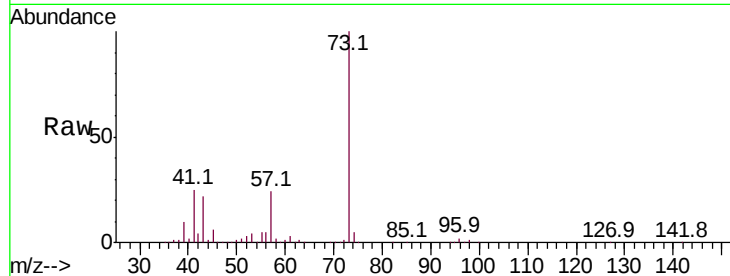
Methyl tert-butyl Ether
 Concen: 50.230 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX008758.D
 Acq: 08 Apr 2019 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.1	19.5	29.3

Manual Integrations
 APPROVED

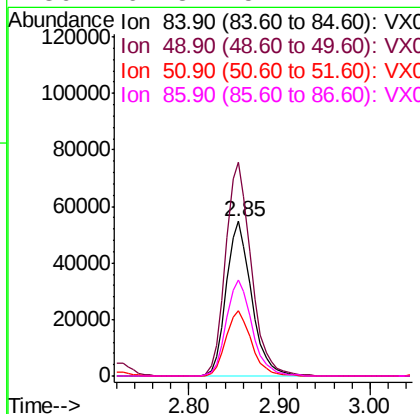
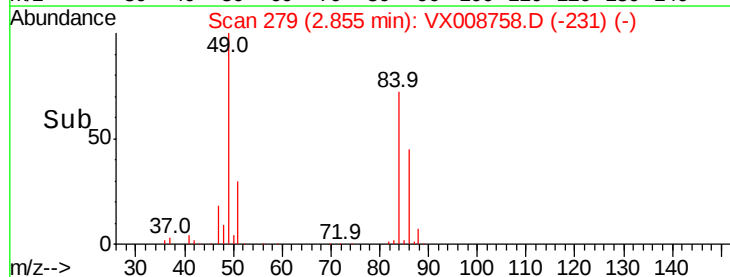
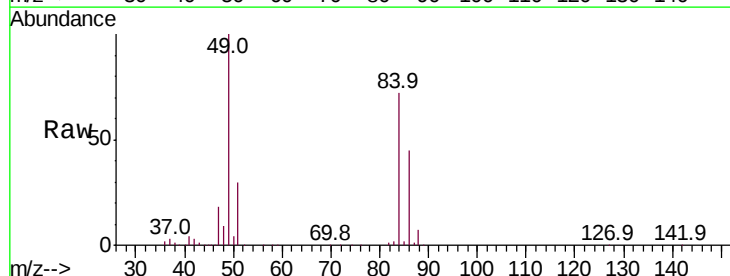
MMDadoda
 4/9/2019 1:50:45 PM

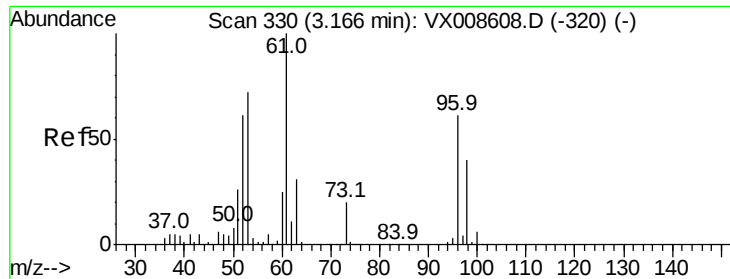


#20

Methylene Chloride
 Concen: 44.912 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX008758.D
 Acq: 08 Apr 2019 20:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.9	109.7	164.5
51	41.7	33.6	50.4
86	61.8	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 45.833 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 96384

Ion Ratio Lower Upper

96 100

61 159.2 132.1 198.1

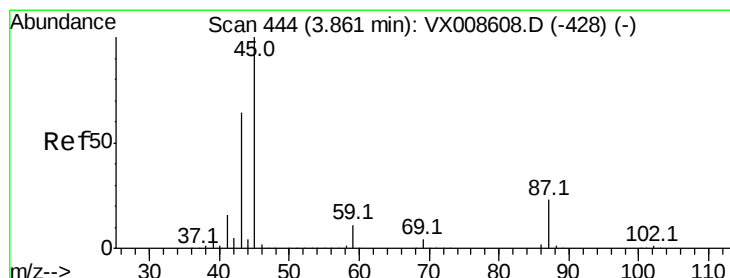
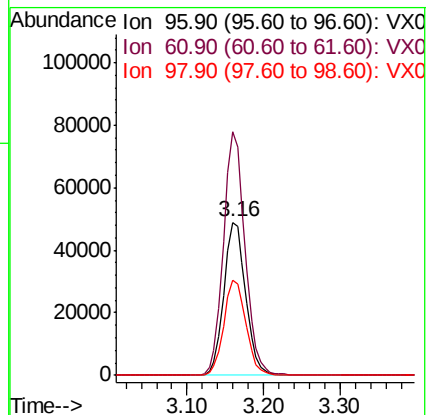
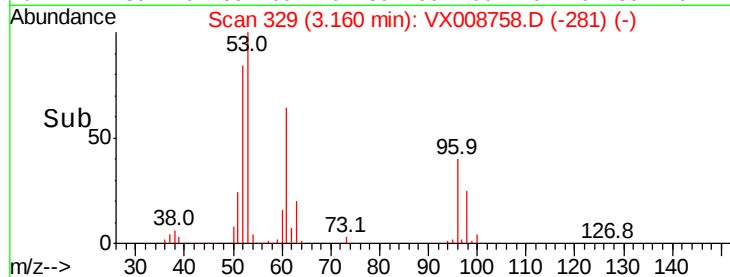
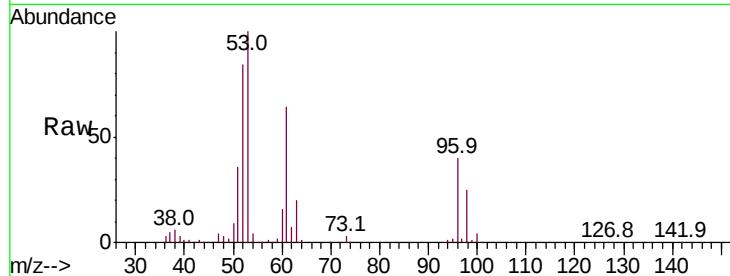
98 61.9 52.2 78.2

Manual Integrations

APPROVED

MMDadoda

4/9/2019 1:50:45 PM



#22

Diisopropyl ether

Concen: 48.855 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Tgt Ion: 45 Resp: 419095

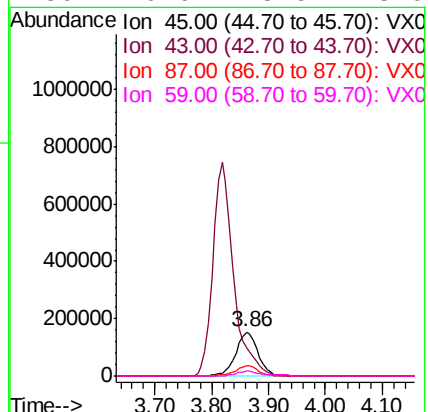
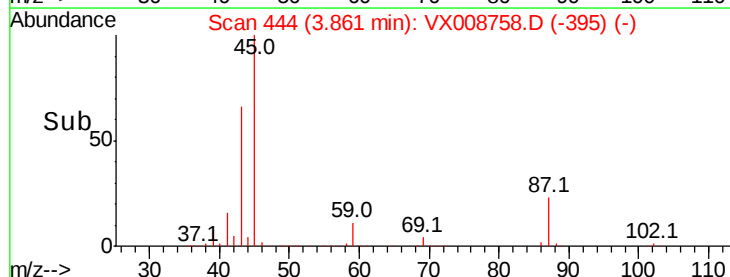
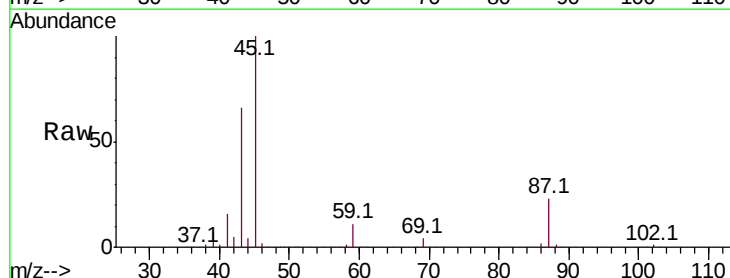
Ion Ratio Lower Upper

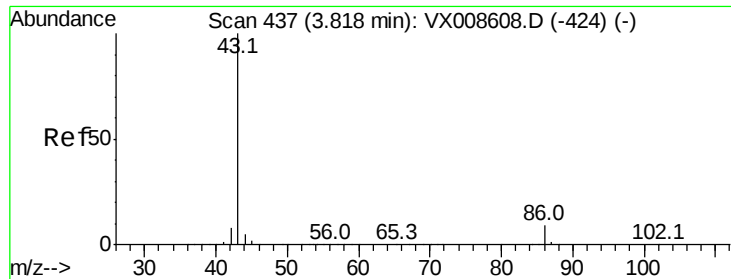
45 100

43 65.7 51.3 76.9

87 23.1 18.1 27.1

59 10.6 8.6 13.0





#23

Vinyl Acetate

Concen: 252.757 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1886237

Ion Ratio Lower Upper

43 100

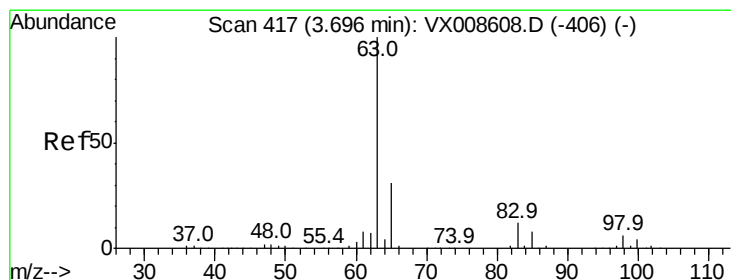
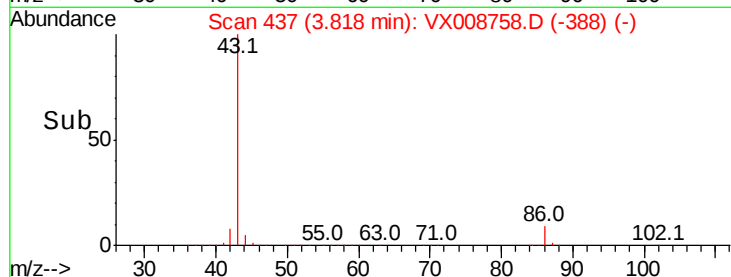
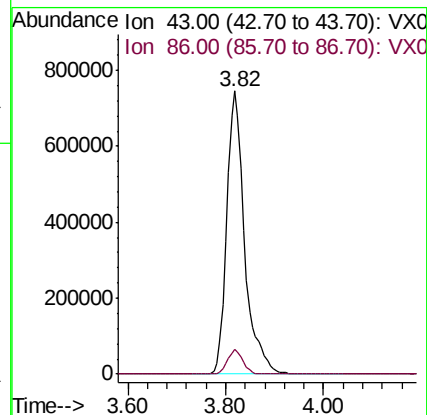
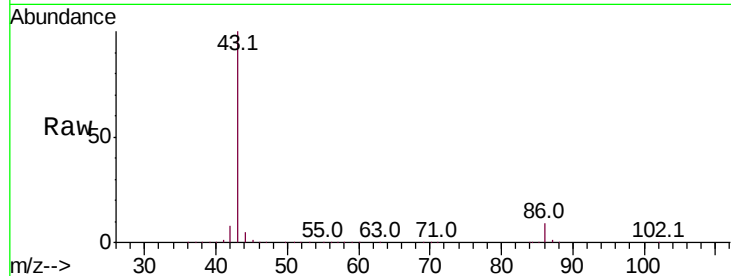
86 8.6 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

4/9/2019 1:50:45 PM



#24

1,1-Dichloroethane

Concen: 48.504 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

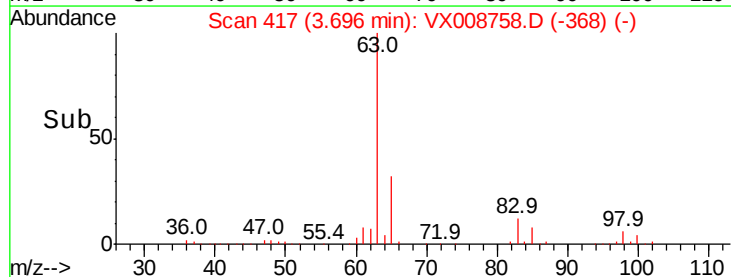
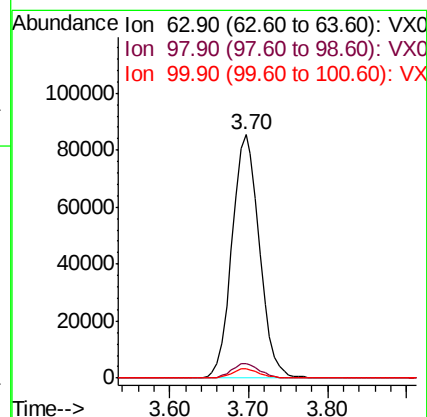
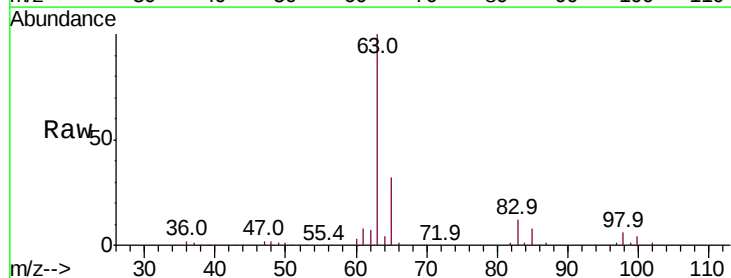
Tgt Ion: 63 Resp: 206011

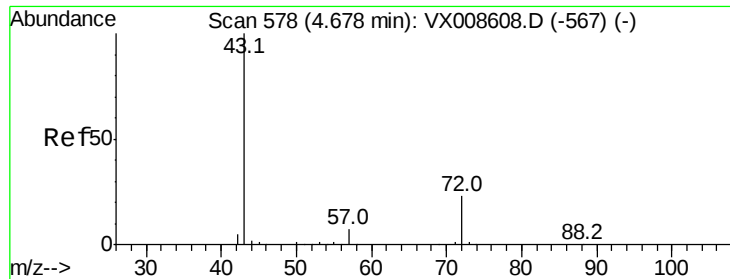
Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

100 3.7 1.8 5.5





#25

2-Butanone

Concen: 266.277 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 594578

Ion Ratio Lower Upper

43 100

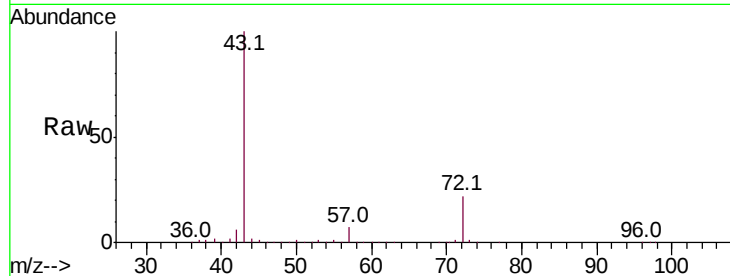
72 22.1 18.2 27.4

Manual Integrations

APPROVED

MMDadoda

4/9/2019 1:50:45 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

100000

50000

0

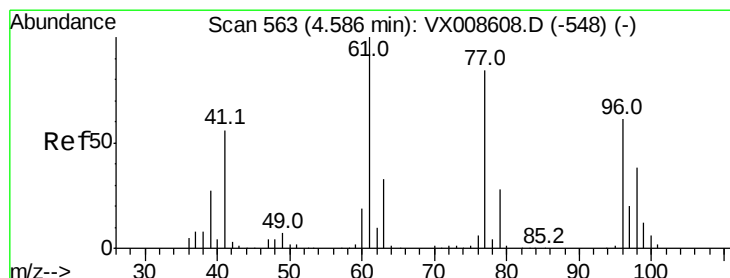
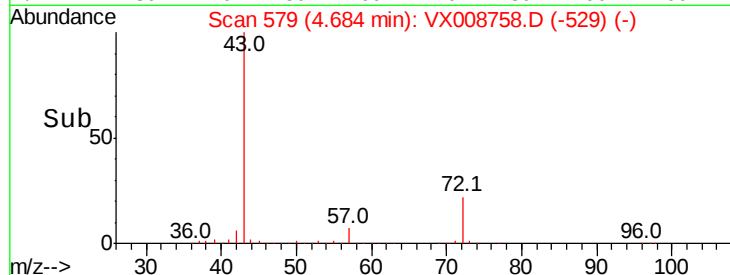
4.68

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 38.663 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008758.D

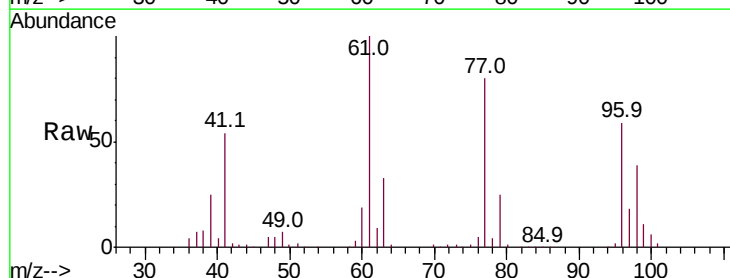
Acq: 08 Apr 2019 20:20

Tgt Ion: 77 Resp: 115659

Ion Ratio Lower Upper

77 100

97 24.1 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

20000

10000

0

4.58

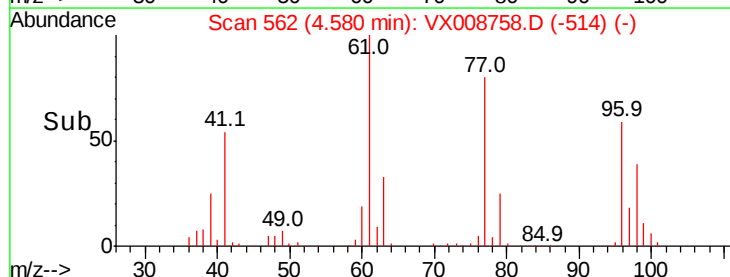
4.40

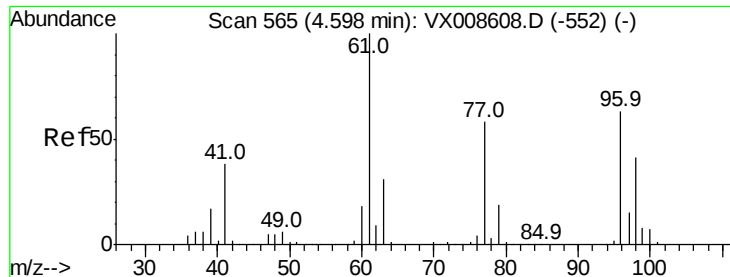
4.50

4.60

4.70

Time-->





#27

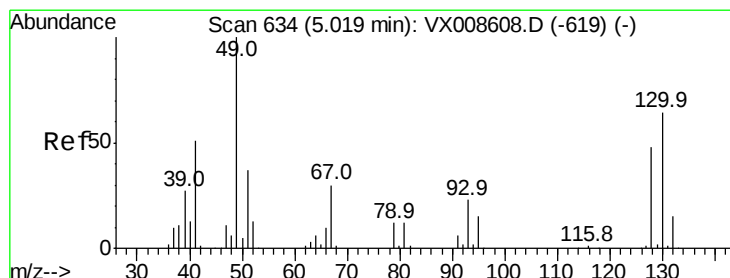
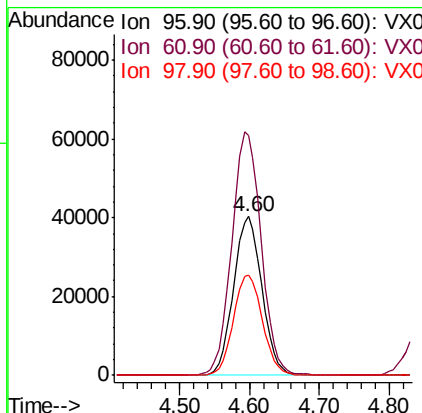
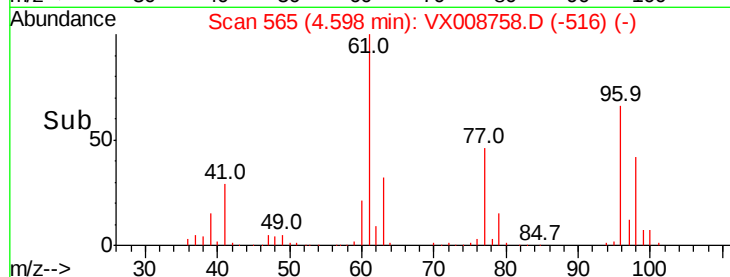
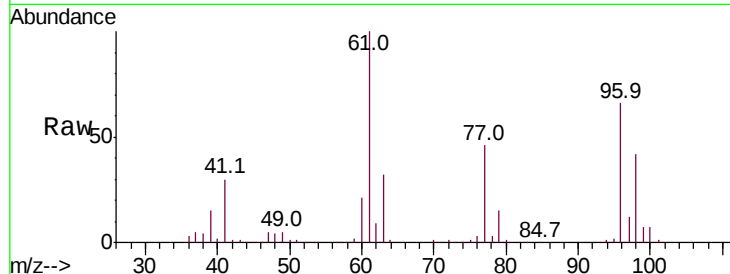
cis-1,2-Dichloroethene
Concen: 47.111 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.8	0.0	327.6
98	64.6	0.0	128.6

Manual Integrations
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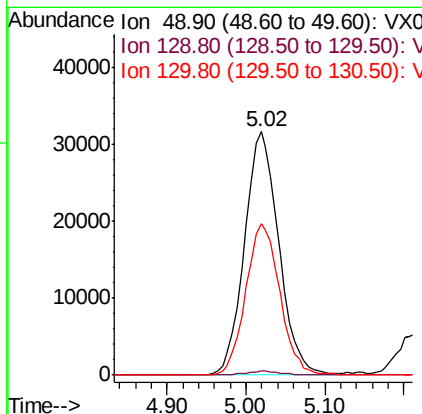
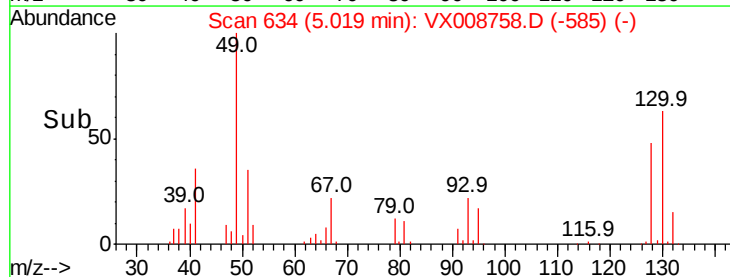
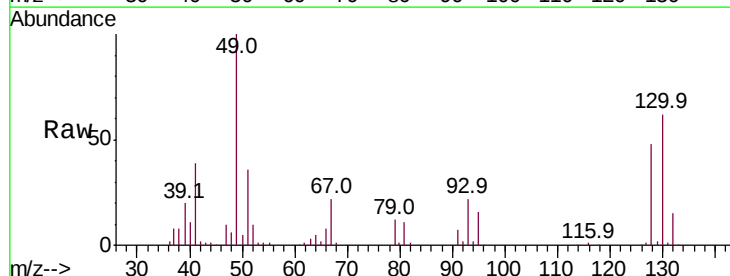
MMDadoda
4/9/2019 1:50:45 PM

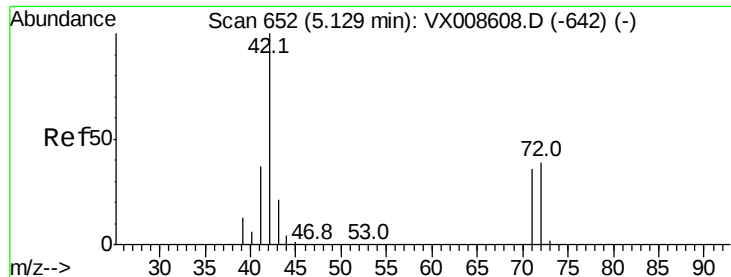


#28

Bromochloromethane
Concen: 54.196 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.6
130	61.9	49.3	73.9





#29

Tetrahydrofuran

Concen: 268.257 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Instrument :

MSVOA_X

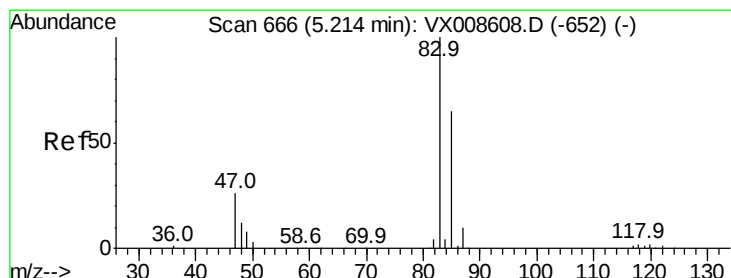
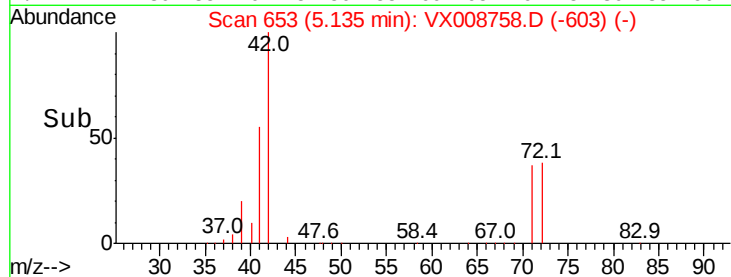
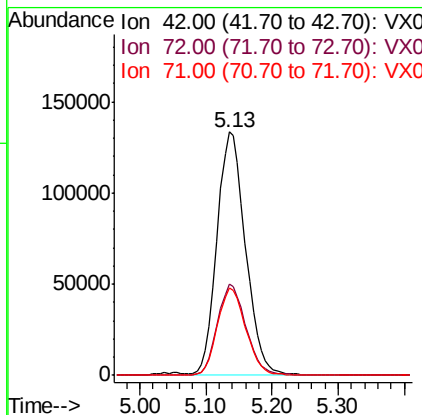
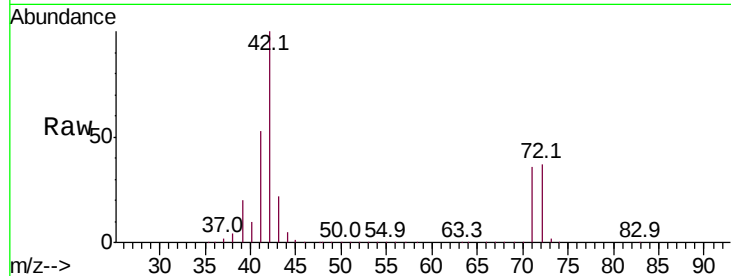
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	397569
Ion	Ratio	Lower	Upper
42	100		
72	37.7	30.5	45.7
71	35.8	28.6	43.0

Manual Integrations
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4/9/2019 1:50:45 PM



#30

Chloroform

Concen: 48.889 ug/l

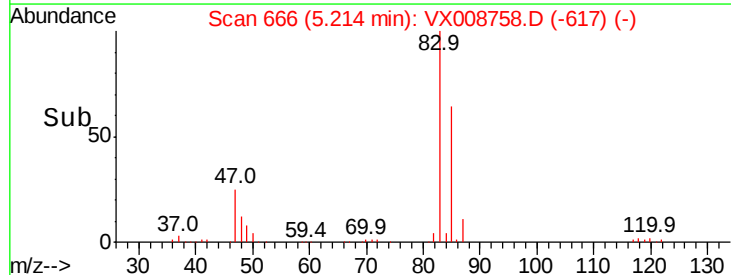
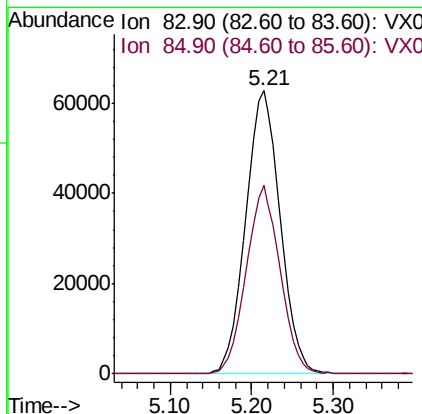
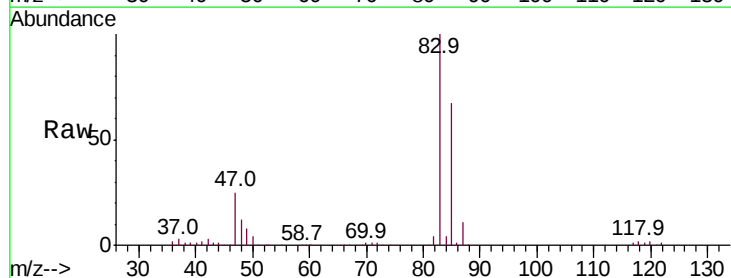
RT: 5.21 min Scan# 666

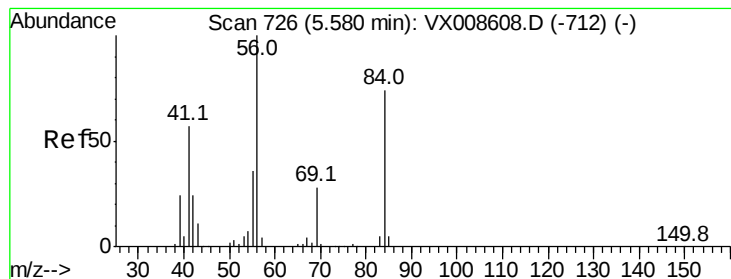
Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Tgt Ion:	83	Resp:	185461
Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.1	78.1





#31

Cyclohexane

Concen: 45.496 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Instrument :

MSVOA_X

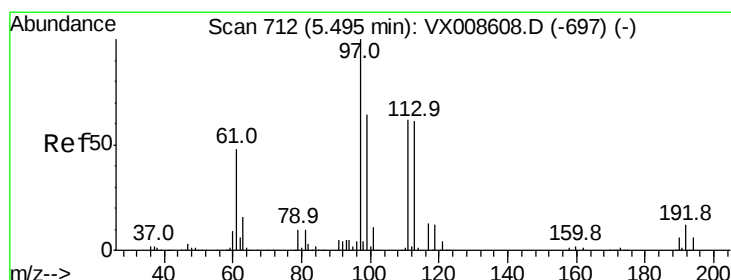
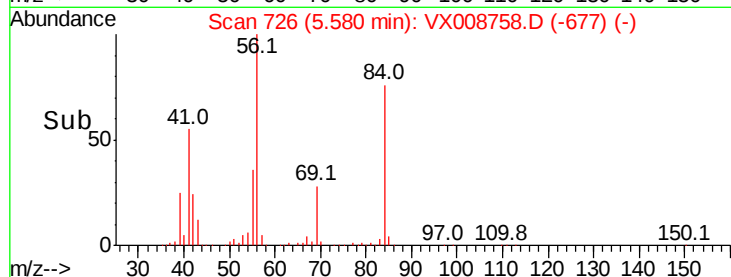
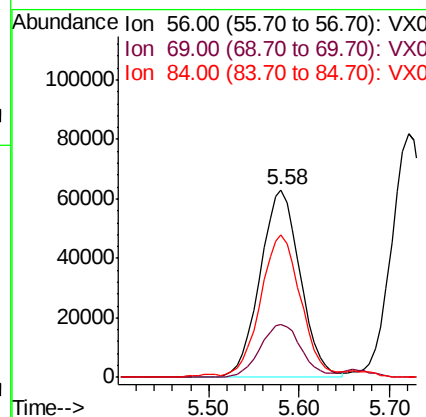
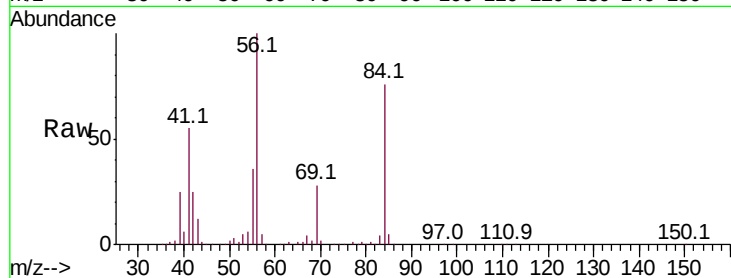
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	192811
Ion Ratio	Lower	Upper	
56	100		
69	27.9	22.6	33.8
84	75.0	59.3	88.9

Manual Integrations
APPROVED

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4/9/2019 1:50:45 PM



#32

1,1,1-Trichloroethane

Concen: 49.469 ug/l

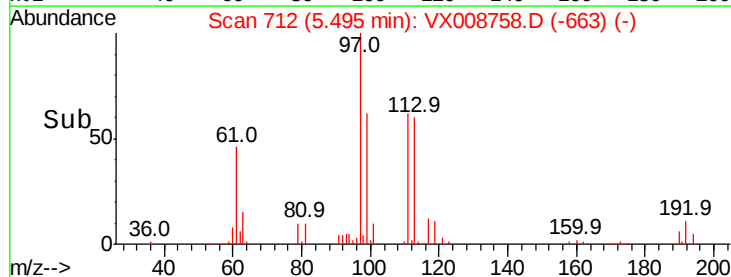
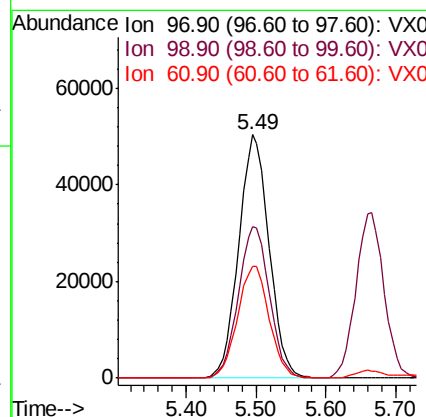
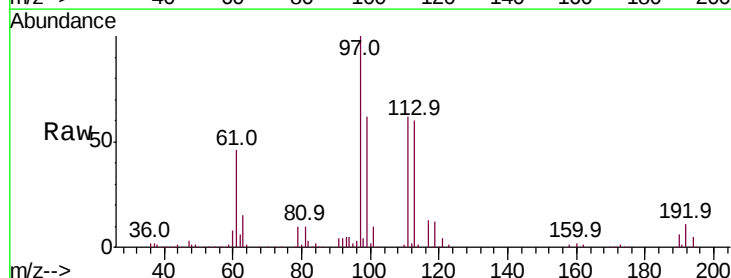
RT: 5.49 min Scan# 712

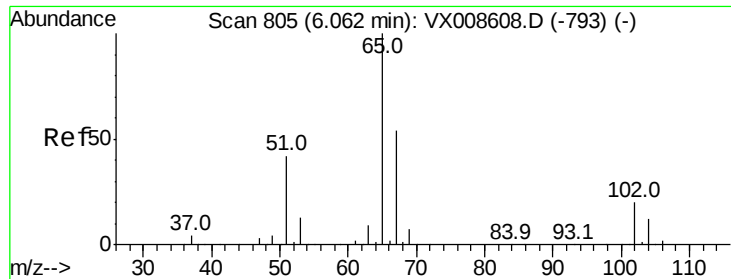
Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Tgt Ion:	97	Resp:	151647
Ion Ratio	Lower	Upper	
97	100		
99	63.8	51.3	76.9
61	47.9	38.9	58.3





#33

1,2-Dichloroethane-d4

Concen: 50.134 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX008758.D

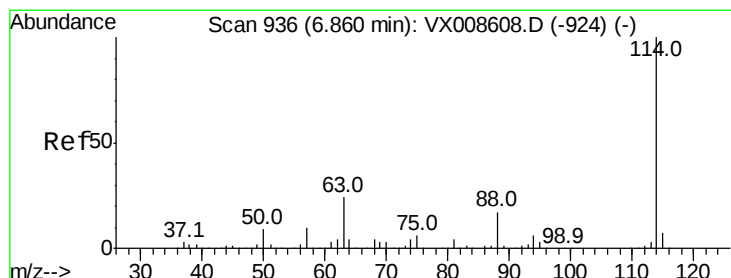
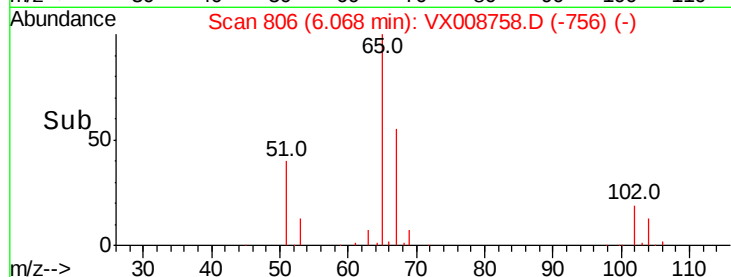
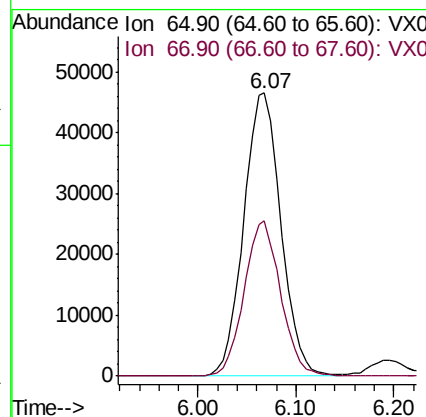
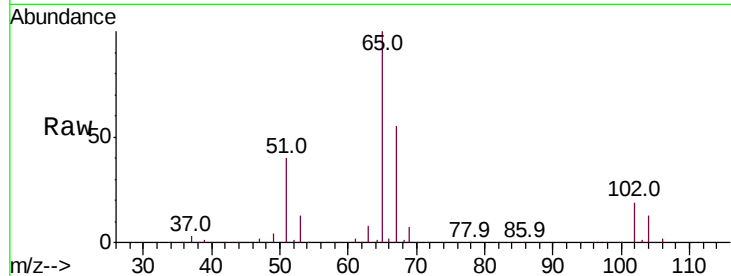
Acq: 08 Apr 2019 20:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	107.2

Manual Integrations
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4/9/2019 1:50:45 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

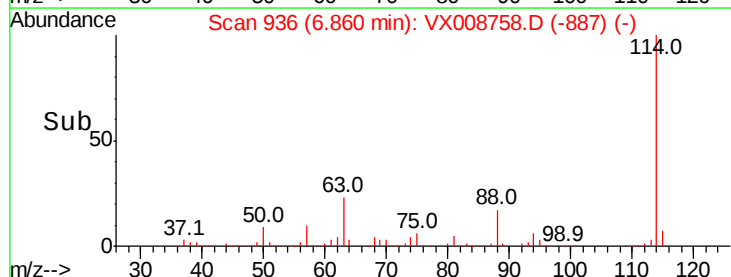
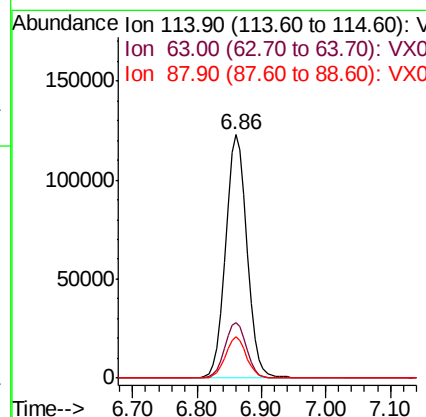
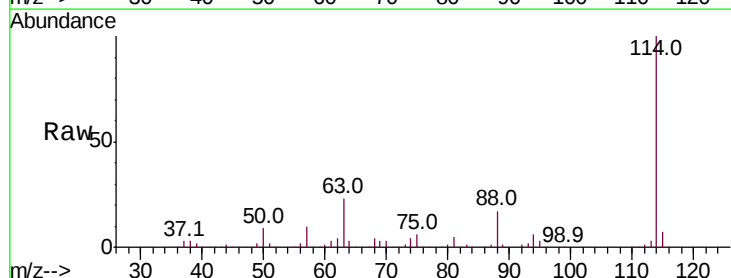
RT: 6.86 min Scan# 936

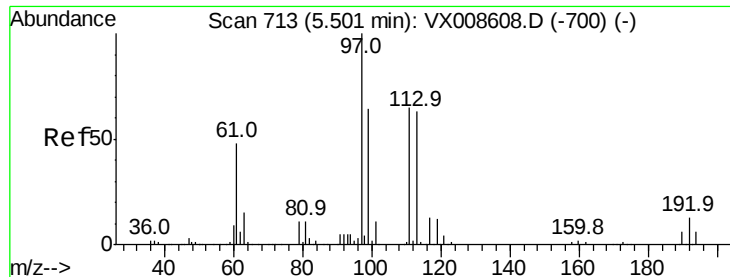
Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	47.2
88	17.2	0.0	34.0





#35

Dibromofluoromethane

Concen: 49.028 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Instrument :

MSVOA_X

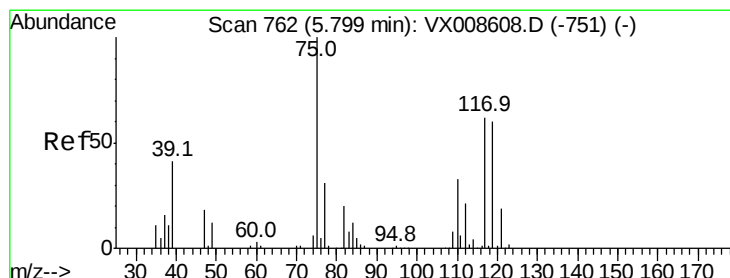
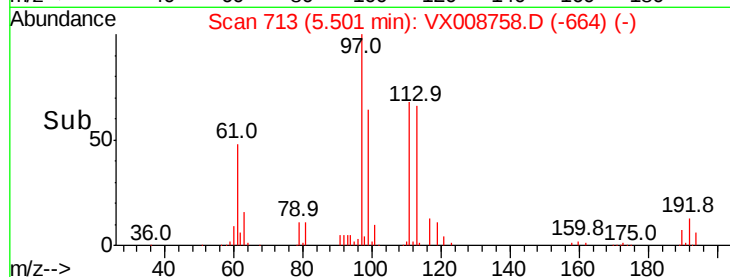
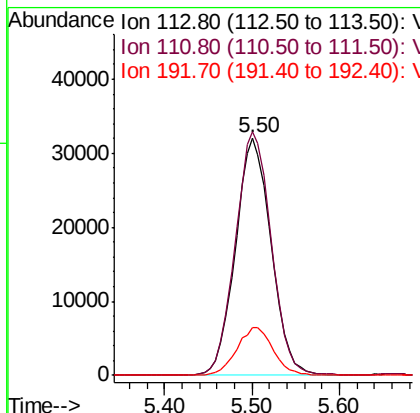
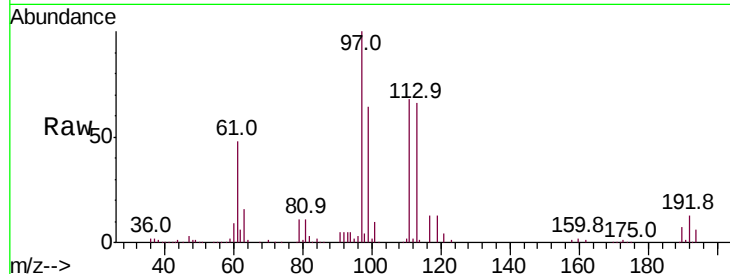
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	90751
Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.4	125.2
192	20.5	16.1	24.1

Manual Integrations
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4/9/2019 1:50:45 PM



#36

1,1-Dichloropropene

Concen: 44.028 ug/l

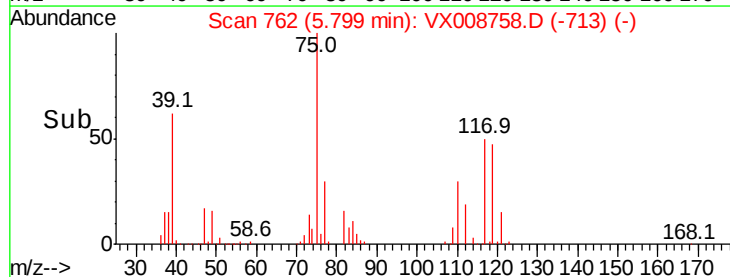
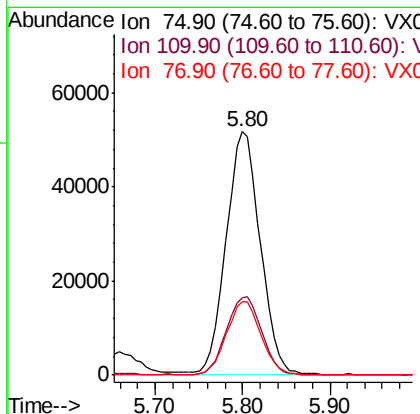
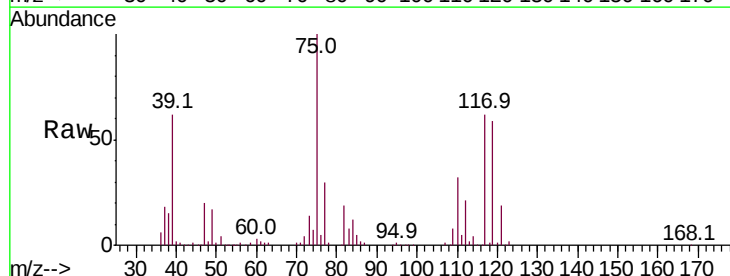
RT: 5.80 min Scan# 762

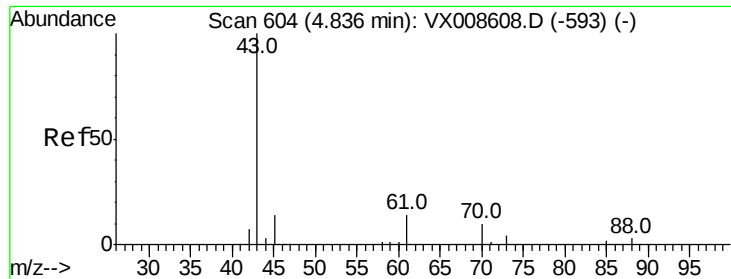
Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Tgt Ion:	75	Resp:	139330
Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.4	49.2
77	31.3	24.7	37.1





#37

Ethyl Acetate

Concen: 51.768 ug/l

RT: 4.84 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Instrument :

MSVOA_X

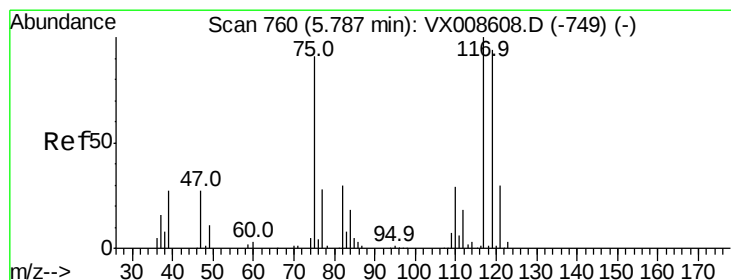
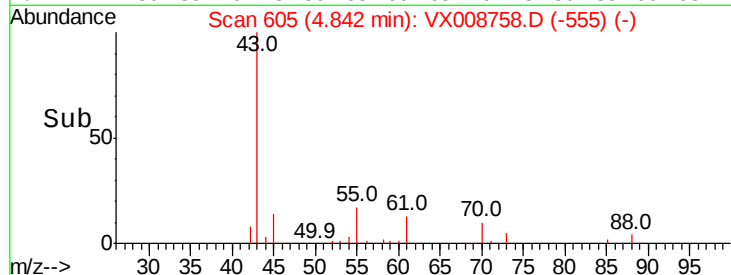
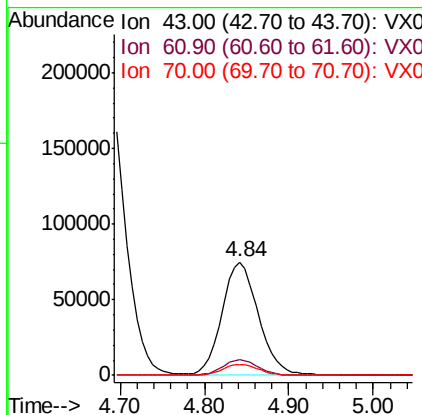
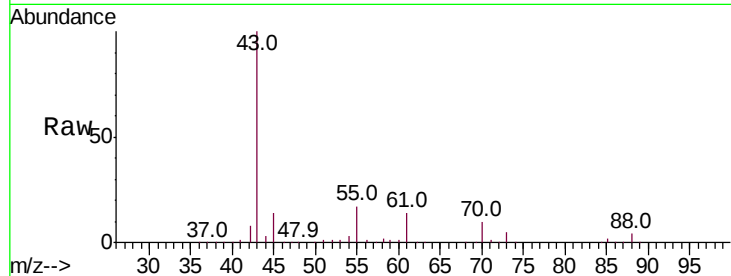
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	218670
Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.3	15.5
70	9.7	7.6	11.4

Manual Integrations
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4/9/2019 1:50:45 PM



#38

Carbon Tetrachloride

Concen: 47.526 ug/l

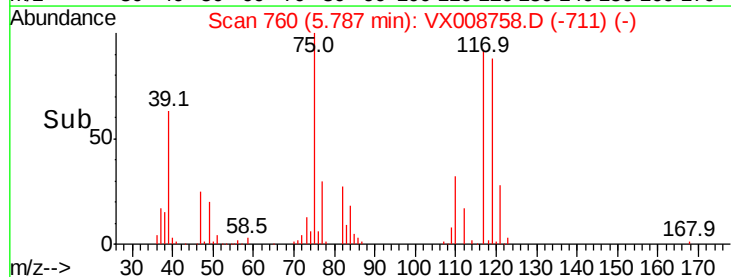
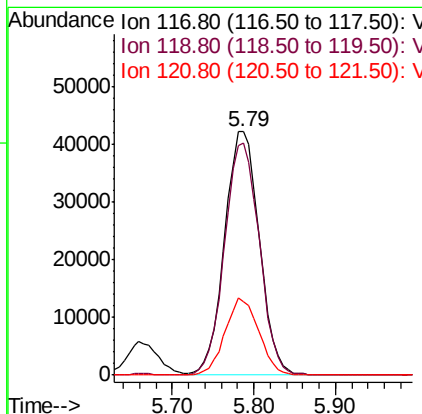
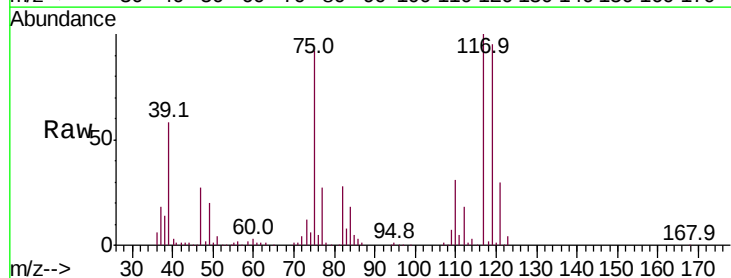
RT: 5.79 min Scan# 760

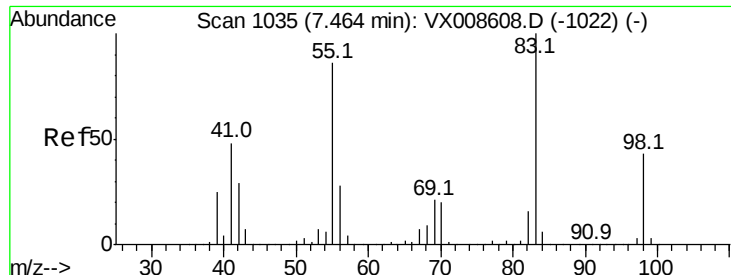
Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Tgt Ion:	117	Resp:	124481
Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.0	112.6
121	30.3	24.3	36.5





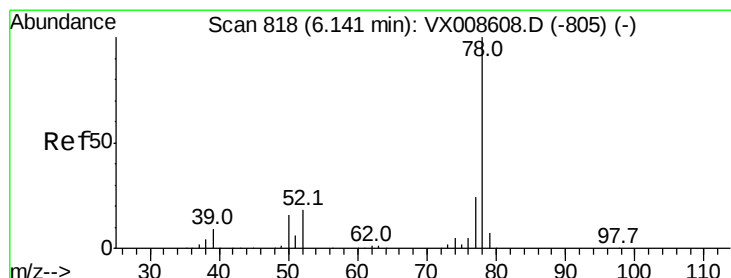
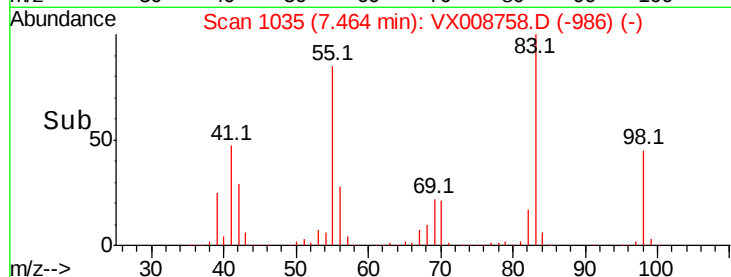
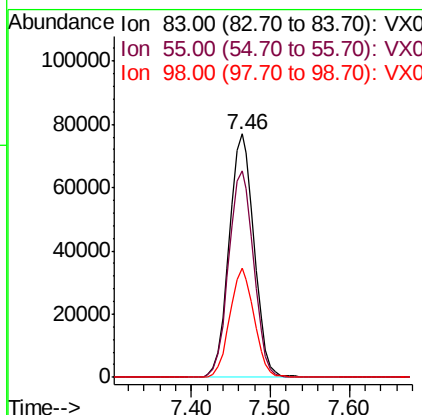
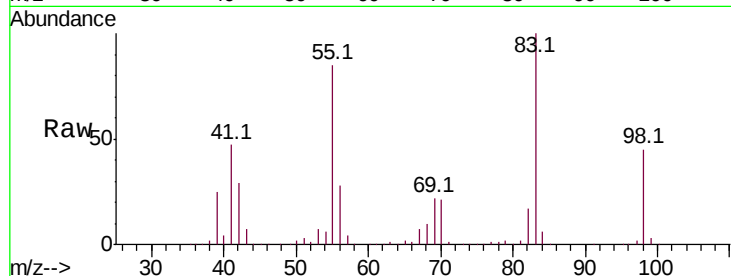
#39
Methvlcvclohexane
Concen: 43.308 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.1	69.0	103.6
98	44.6	34.4	51.6

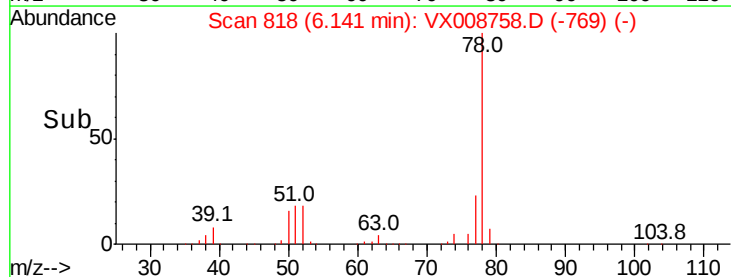
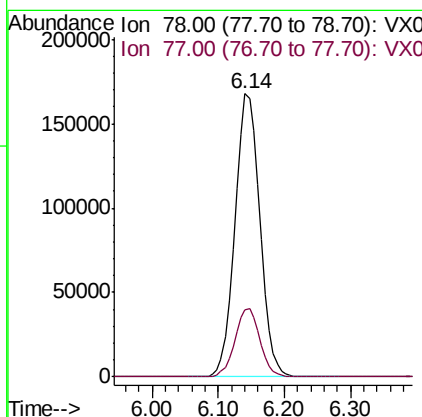
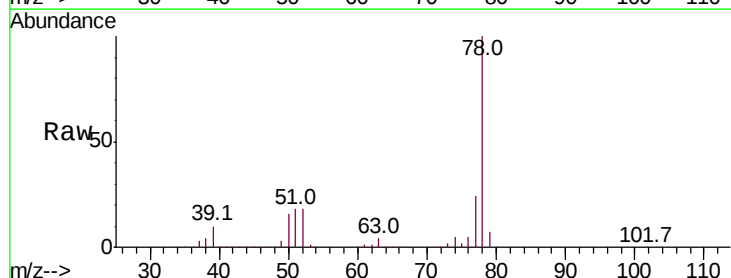
Manual Integrations
APPROVED

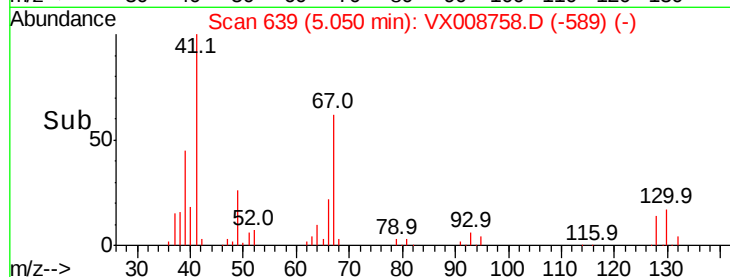
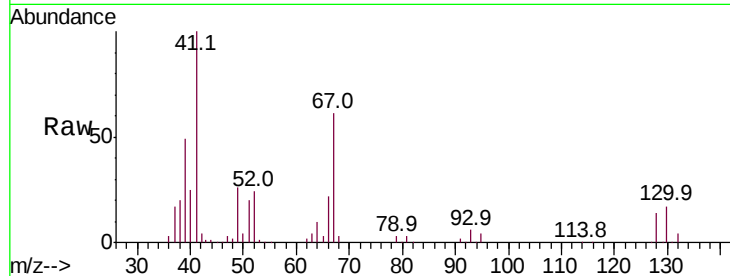
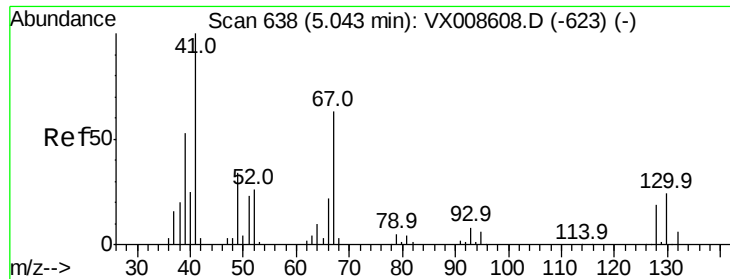
MMDadoda
4/9/2019 1:50:45 PM



#40
Benzene
Concen: 46.547 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





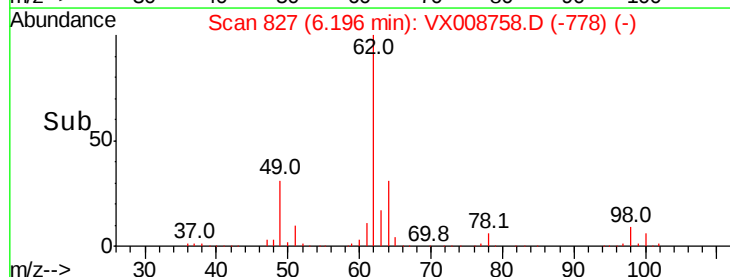
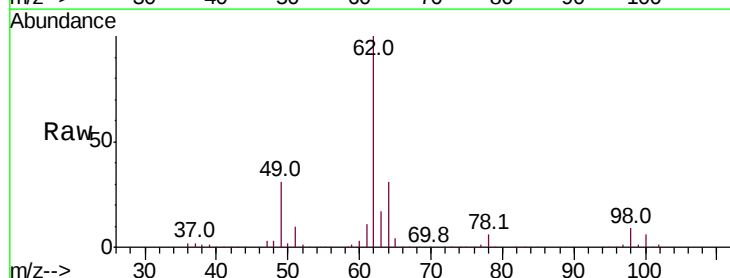
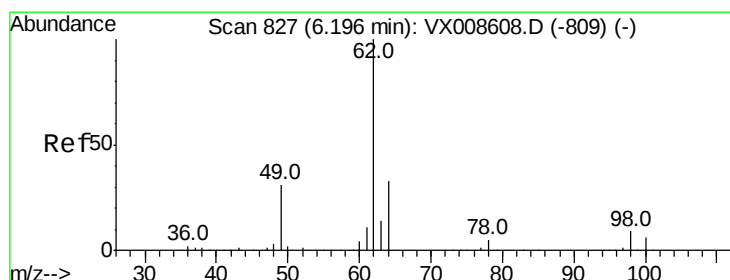
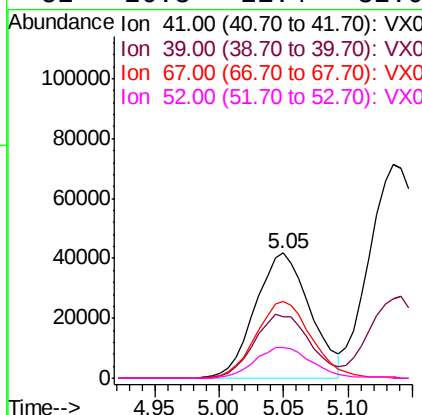
#41
Methacrylonitrile
Concen: 50.742 ug/l
RT: 5.05 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.6	42.1	63.1	
67	63.0	51.0	76.6	
52	26.3	21.4	32.0	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

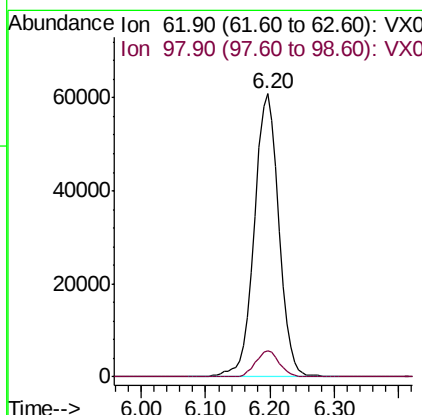
Manual Integrations
APPROVED

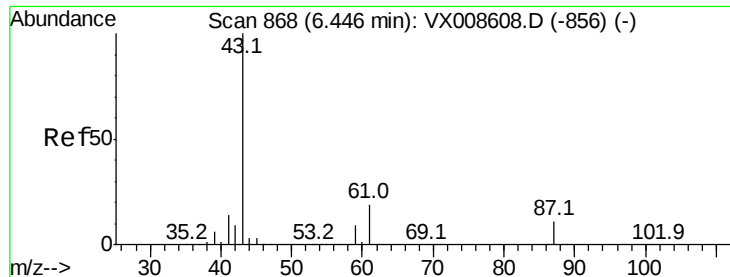
MMDadoda
4/9/2019 1:50:45 PM



#42
1,2-Dichloroethane
Concen: 46.831 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	18.0	





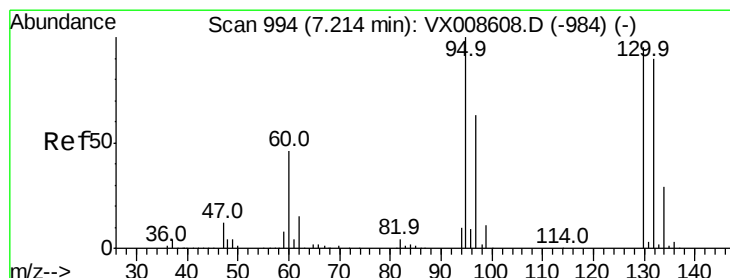
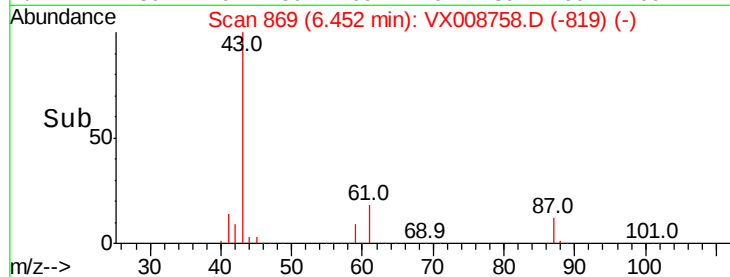
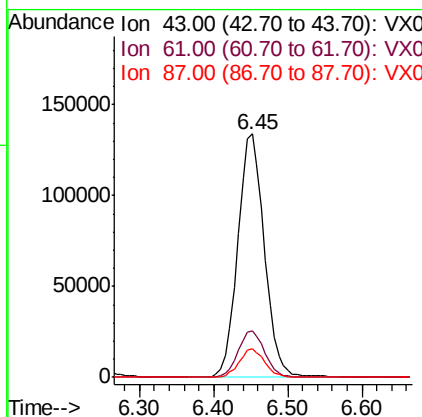
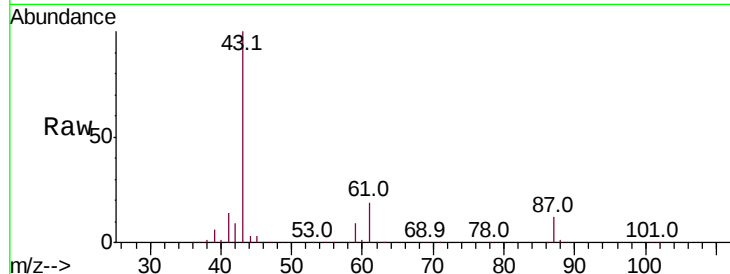
#43
Isopropyl Acetate
Concen: 50.505 ug/l
RT: 6.45 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	334188
Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.3	22.9
87	11.3	9.0	13.6

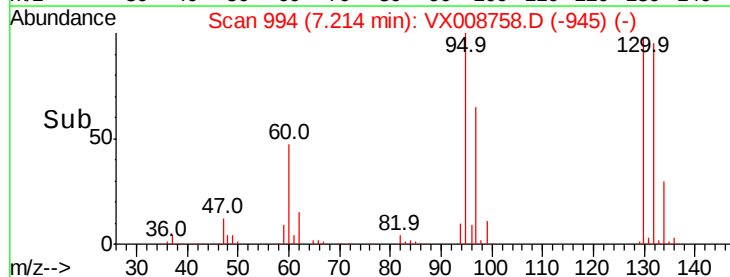
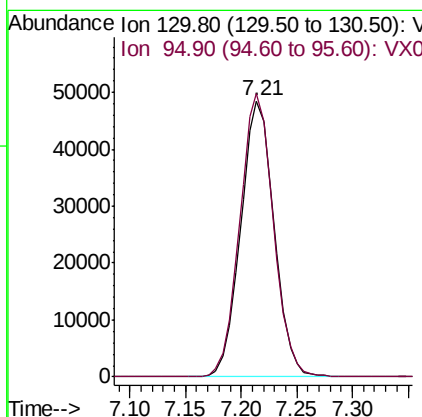
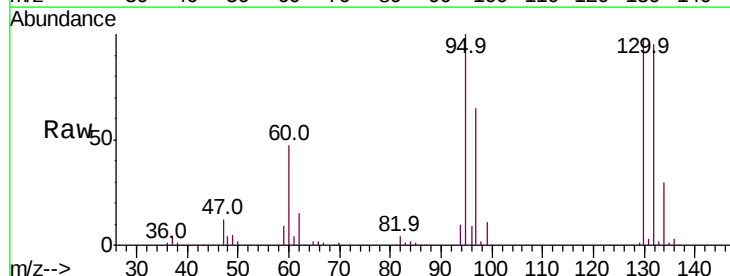
Manual Integrations
APPROVED

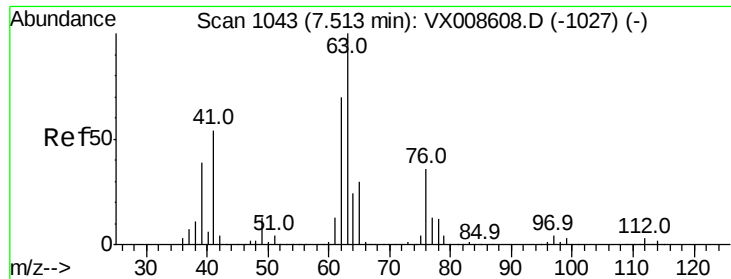
MMDadoda
4/9/2019 1:50:45 PM



#44
Trichloroethene
Concen: 46.027 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Tgt Ion:	130	Resp:	101064
Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	209.8





#45

1,2-Dichloropropane

Concen: 46.824 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 125999

Ion Ratio Lower Upper

63 100

65 29.9

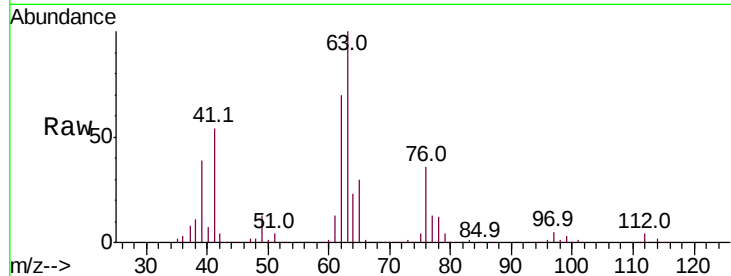
24.2 36.4

Manual Integrations

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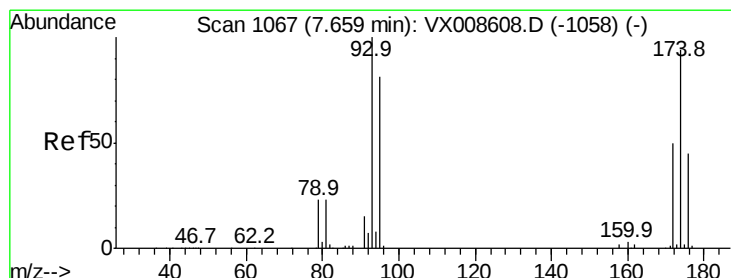
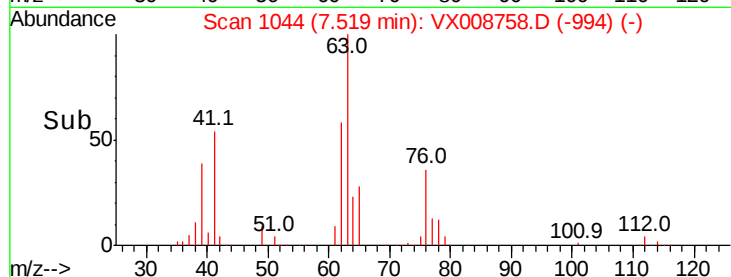
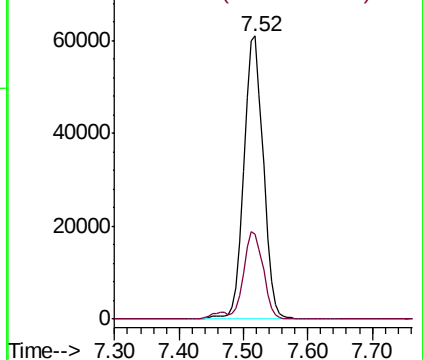
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 46.050 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Tgt Ion: 93 Resp: 71868

Ion Ratio Lower Upper

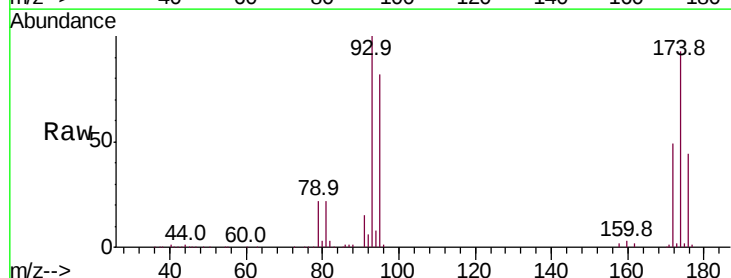
93 100

95 83.5

66.6 99.8

174 98.8

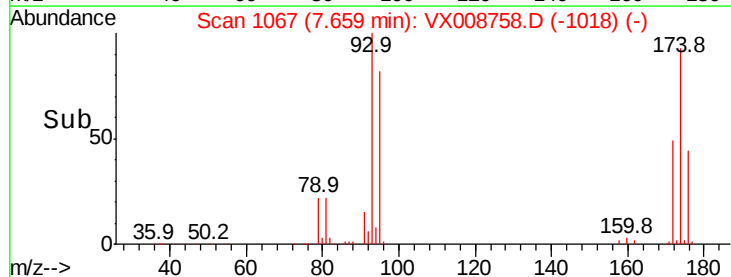
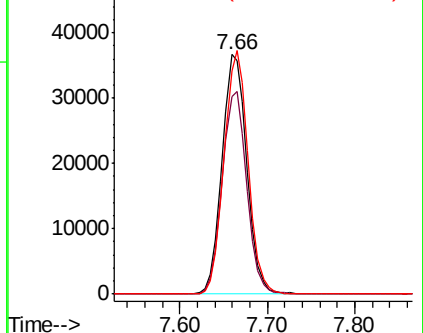
77.7 116.5

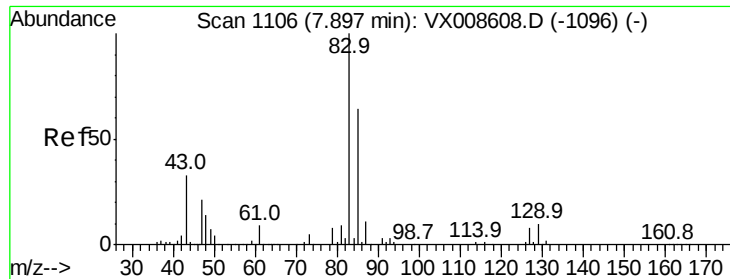


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.529 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Instrument :

MSVOA_X

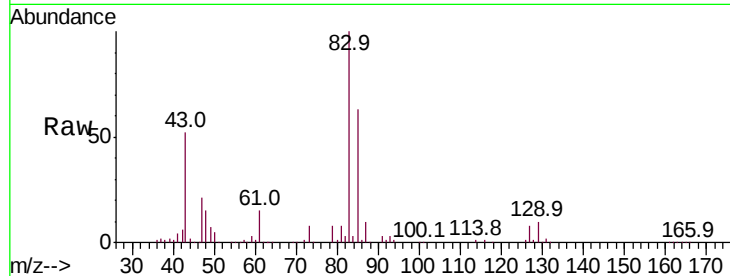
ClientSampleId :

VSTDCCC050EC

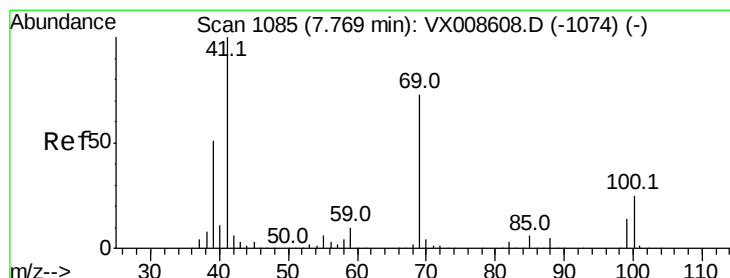
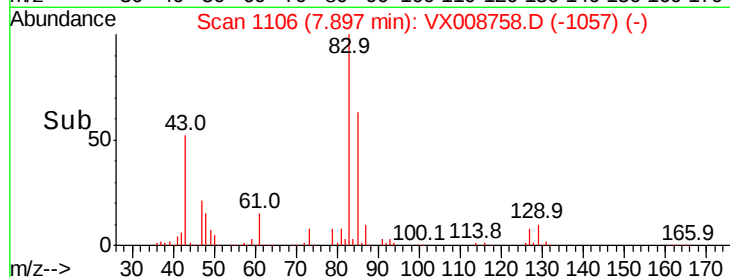
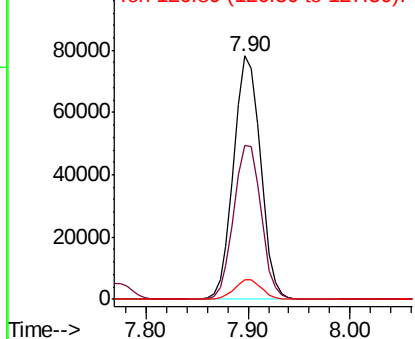
Tot Ion:	83	Resp:	142803
Ion Ratio	Lower	Upper	
83	100		
85	63.2	51.2	76.8
127	7.8	6.6	10.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 49.412 ug/l

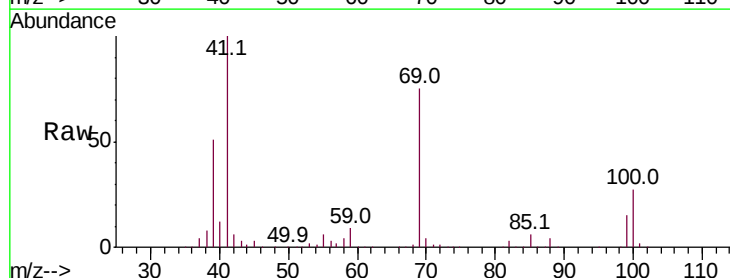
RT: 7.77 min Scan# 1086

Delta R.T. 0.01 min

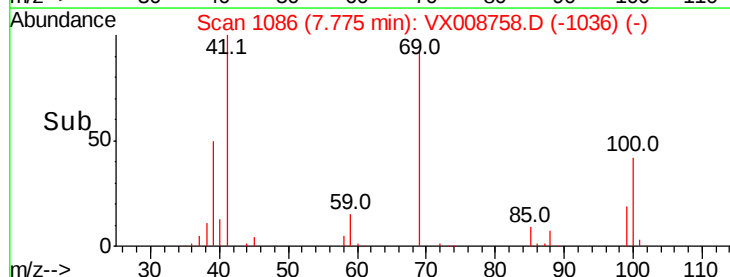
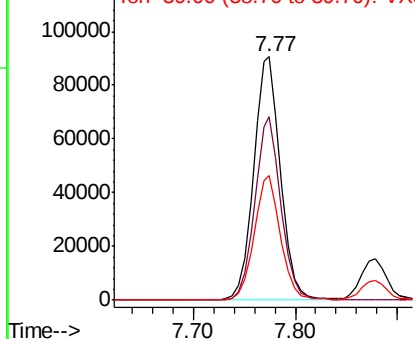
Lab File: VX008758.D

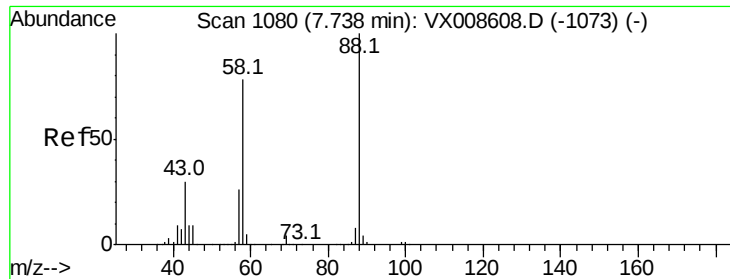
Acq: 08 Apr 2019 20:20

Tgt Ion:	41	Resp:	165391
Ion Ratio	Lower	Upper	
41	100		
69	73.9	59.0	88.4
39	50.1	41.0	61.4



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





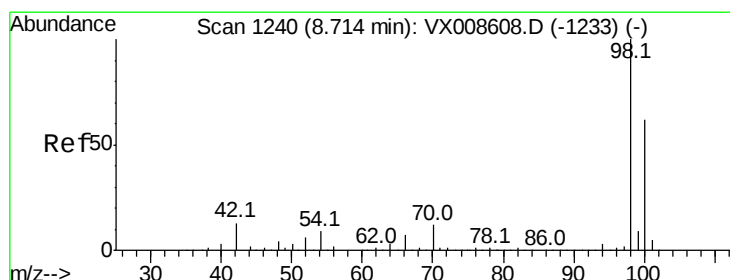
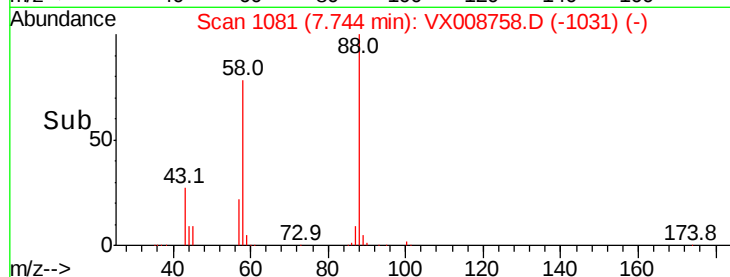
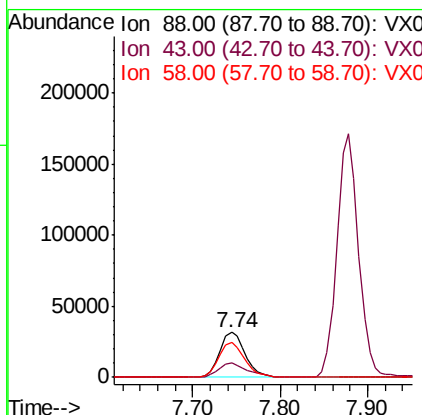
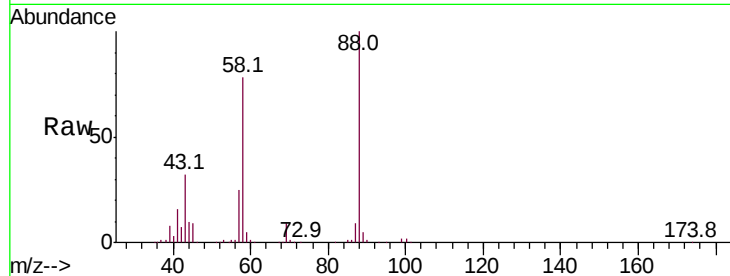
#49
1,4-Dioxane
Concen: 1023.785 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.3	28.6	43.0
58	78.9	62.2	93.2

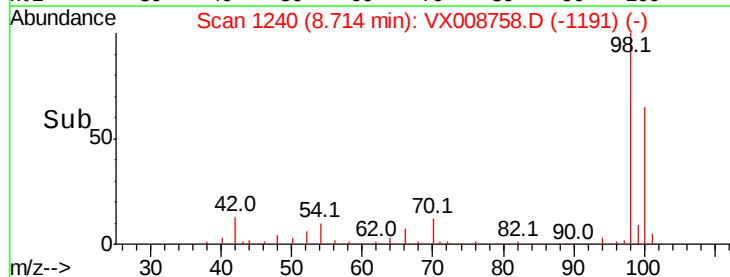
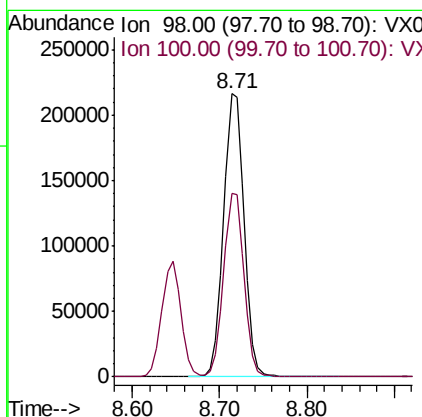
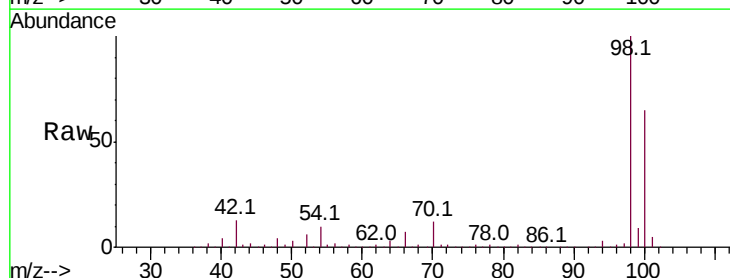
Manual Integrations
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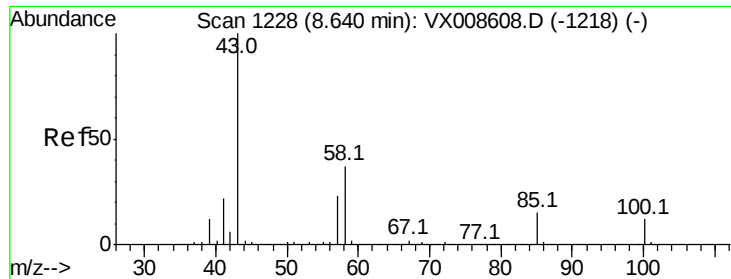
MMDadoda
4/9/2019 1:50:45 PM



#50
Toluene-d8
Concen: 47.553 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0





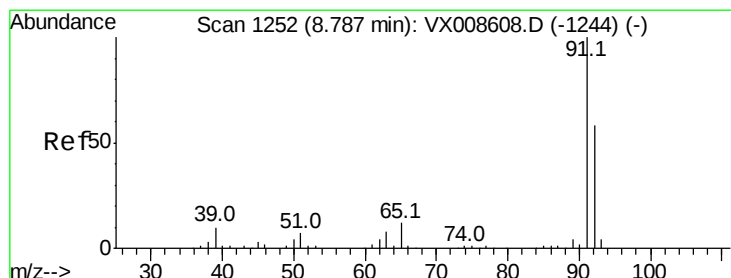
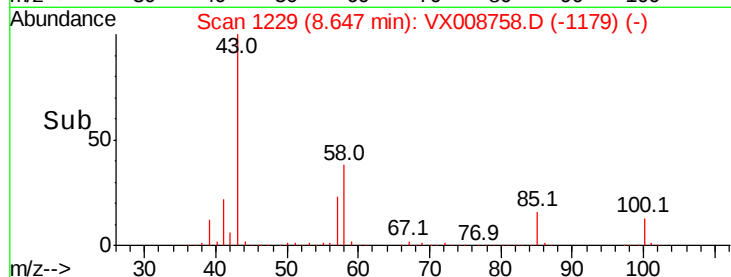
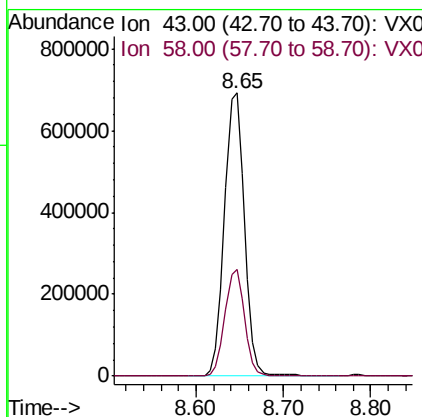
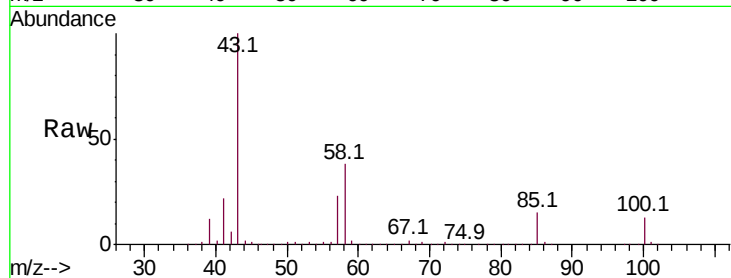
#51
4-Methyl-2-Pentanone
Concen: 257.666 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1097553
Ion Ratio Lower Upper
43 100
58 37.0 29.5 44.3

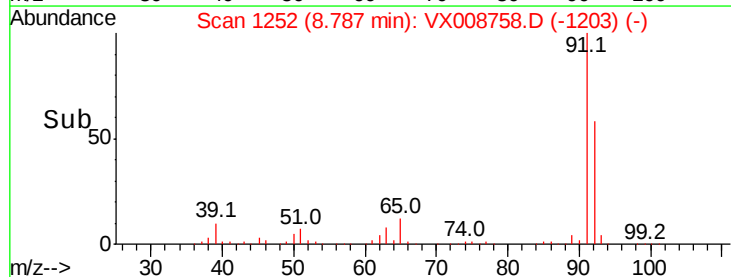
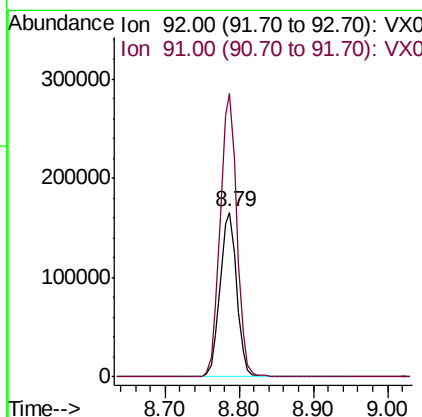
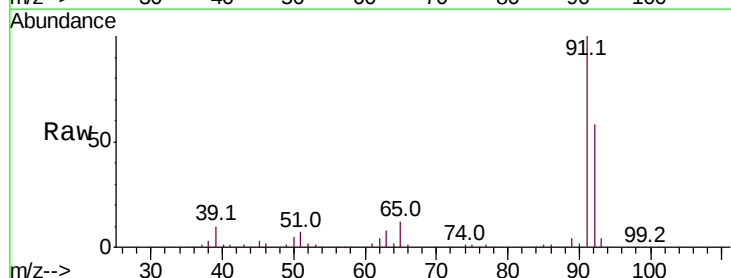
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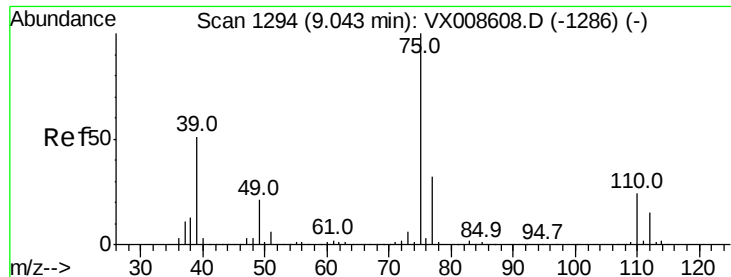
MMDadoda
4/9/2019 1:50:45 PM



#52
Toluene
Concen: 46.262 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Tgt Ion: 92 Resp: 257128
Ion Ratio Lower Upper
92 100
91 172.2 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 47.919 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Tot Ion: 75 Resp: 157954

Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

Instrument :

MSVOA_X

ClientSampleId :

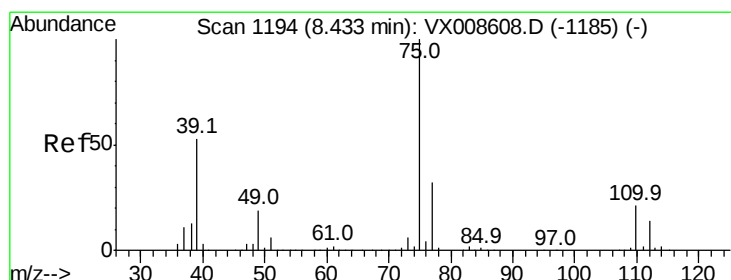
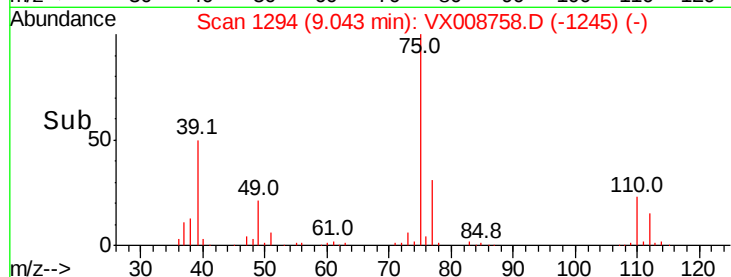
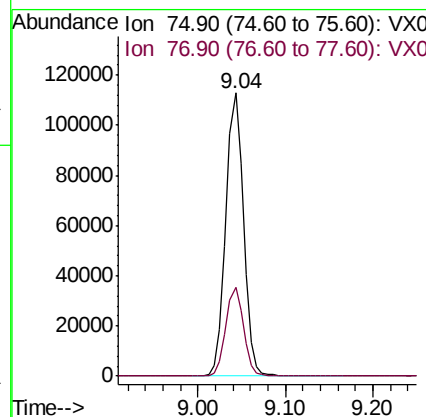
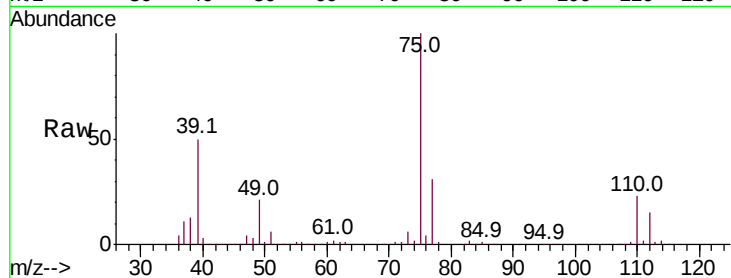
VSTDCCC050EC

Manual Integrations

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4/9/2019 1:50:45 PM



#54

cis-1,3-Dichloropropene

Concen: 47.289 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

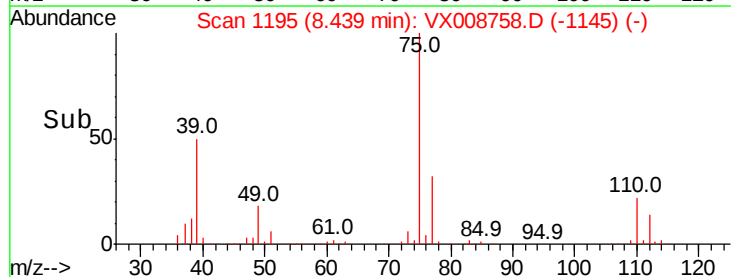
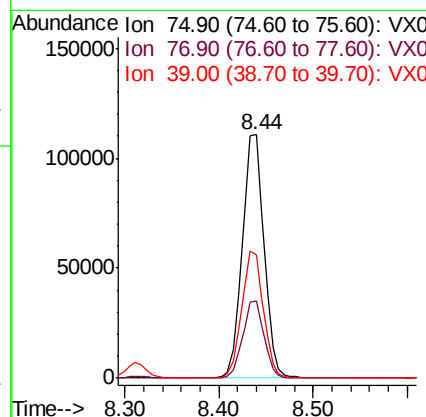
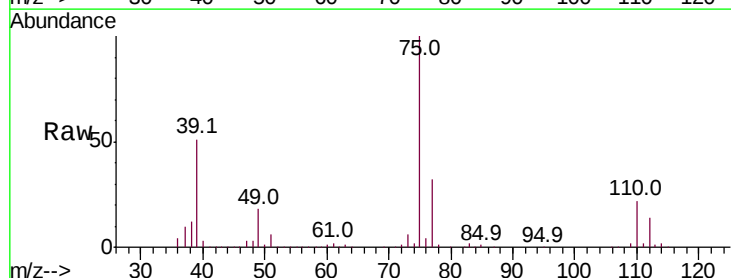
Tgt Ion: 75 Resp: 178112

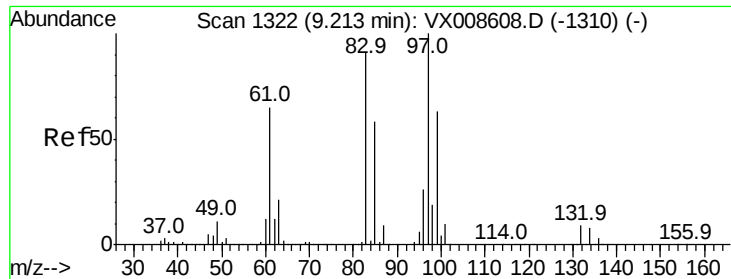
Ion Ratio Lower Upper

75 100

77 31.5 25.3 37.9

39 50.5 42.6 63.8





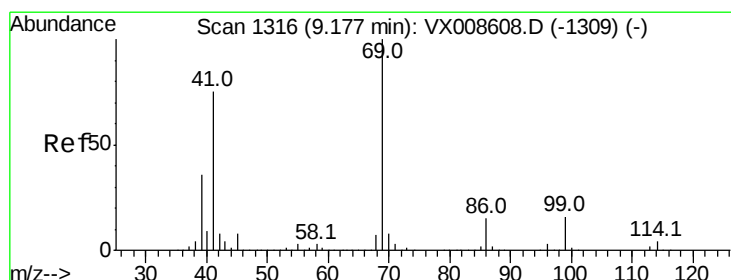
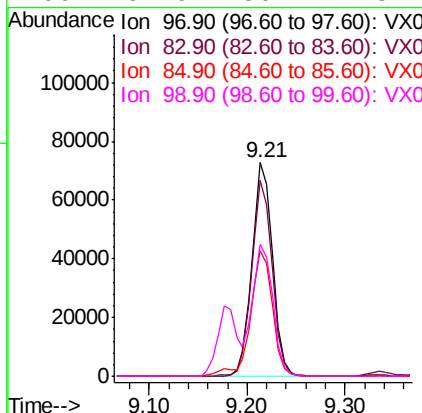
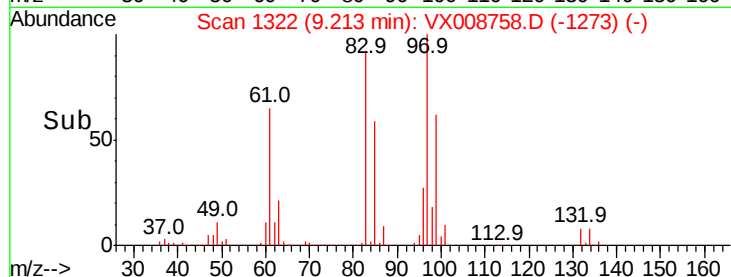
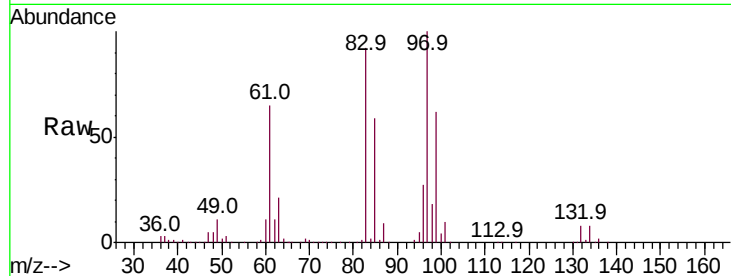
#55
 1,1,2-Trichloroethane
 Concen: 47.688 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008758.D
 Acq: 08 Apr 2019 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		106394		
83	91.7	73.2	109.8		
85	58.6	46.6	69.8		
99	61.9	50.1	75.1		

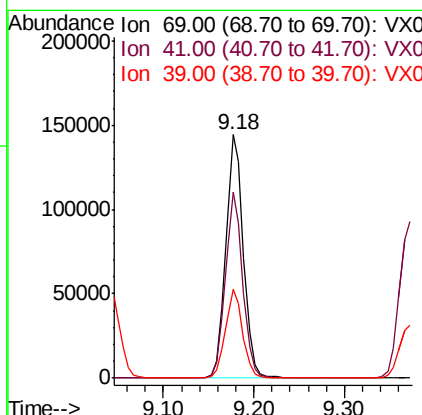
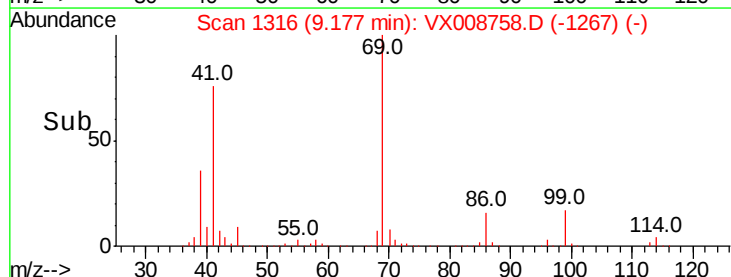
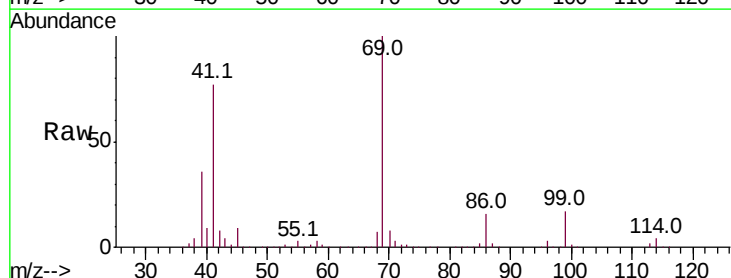
Manual Integrations
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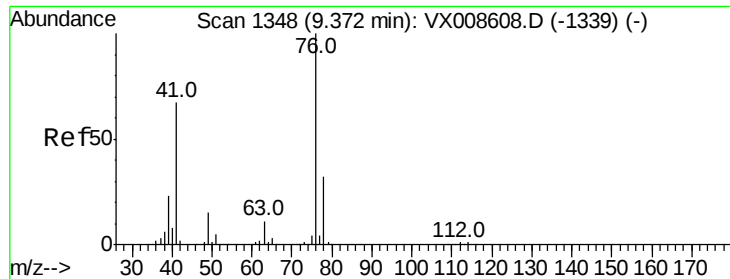
MMDadoda
 4/9/2019 1:50:45 PM



#56
 Ethyl methacrylate
 Concen: 48.985 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008758.D
 Acq: 08 Apr 2019 20:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		197738		
41	75.2	60.1	90.1		
39	35.4	28.9	43.3		





#57

1,3-Dichloropropane

Concen: 47.567 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 190565

Ion Ratio Lower Upper

76 100

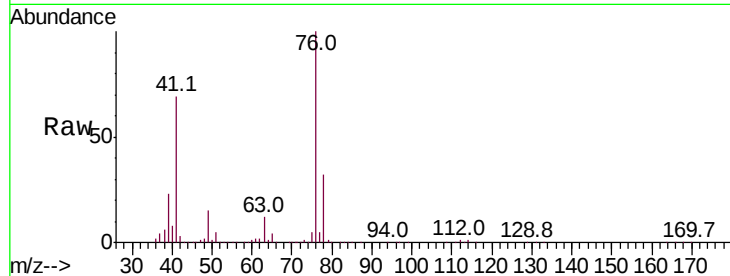
78 32.1 25.6 38.4

Manual Integrations

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4/9/2019 1:50:45 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

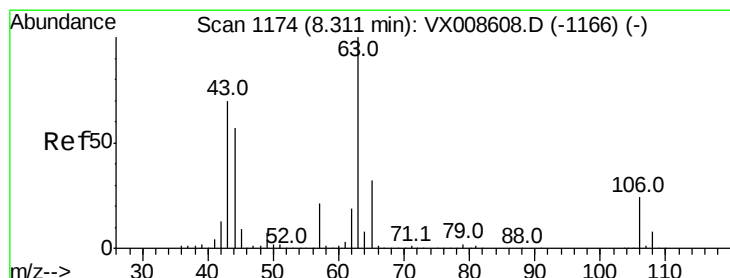
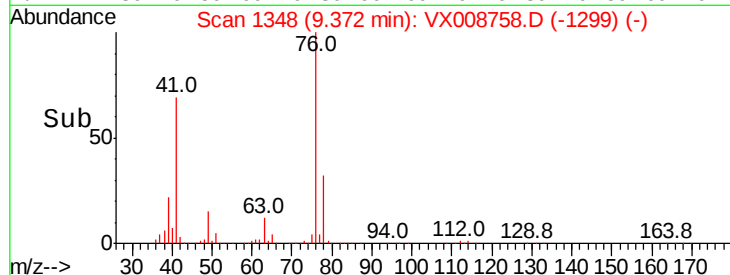
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 254.857 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008758.D

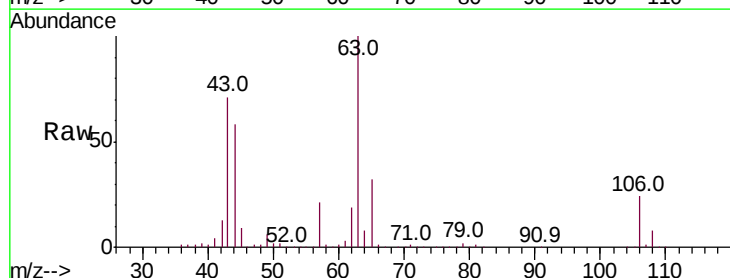
Acq: 08 Apr 2019 20:20

Tgt Ion: 63 Resp: 525315

Ion Ratio Lower Upper

63 100

106 24.1 19.0 28.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

400000

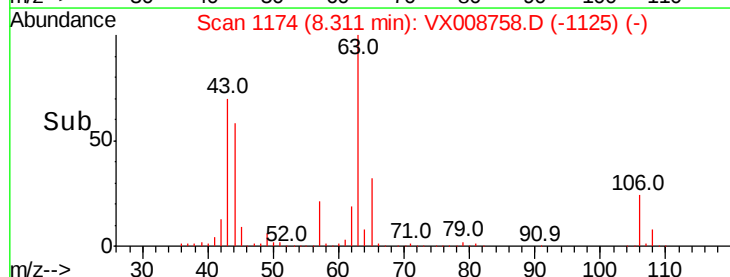
300000

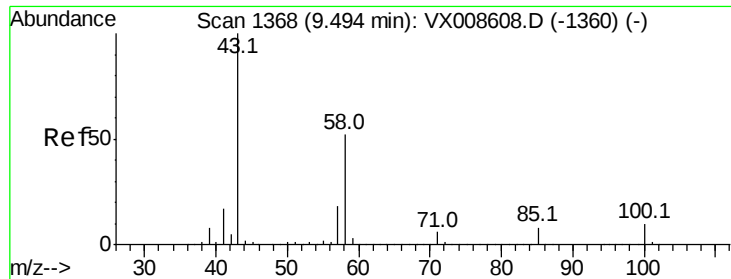
200000

100000

0

Time-->





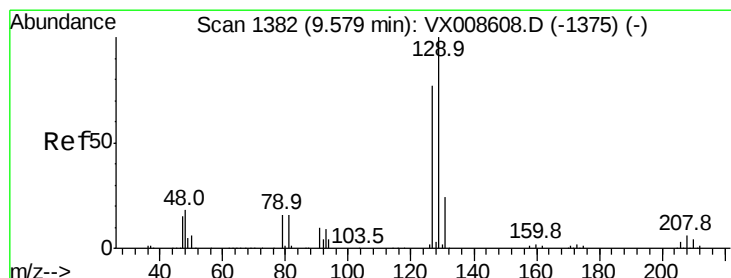
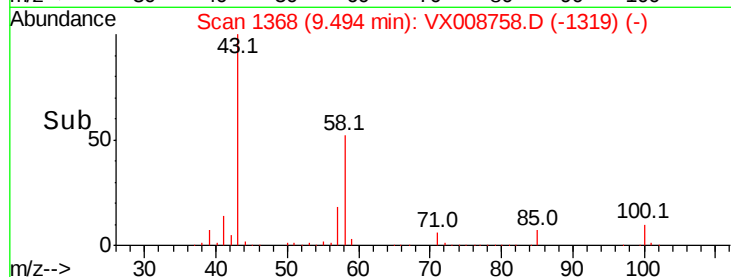
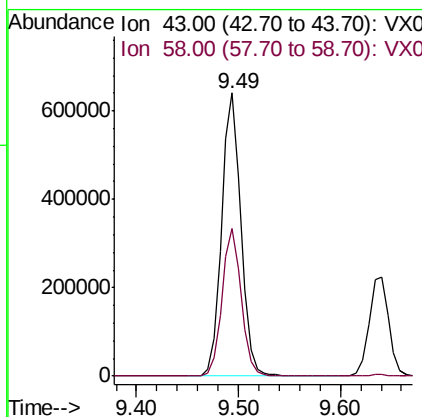
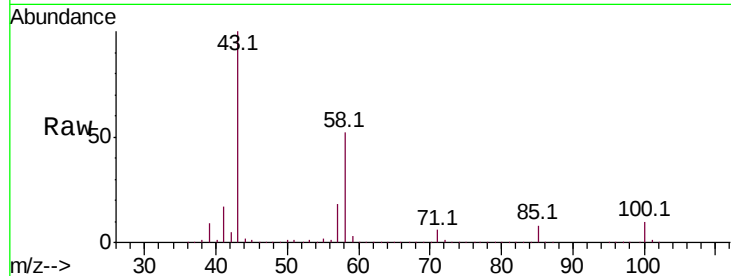
#59
2-Hexanone
Concen: 254.526 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 842566
Ion Ratio Lower Upper
43 100
58 51.9 25.9 77.7

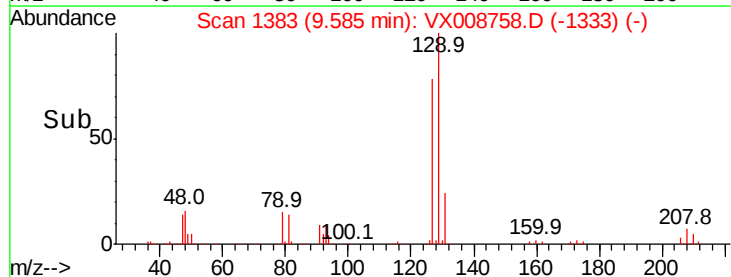
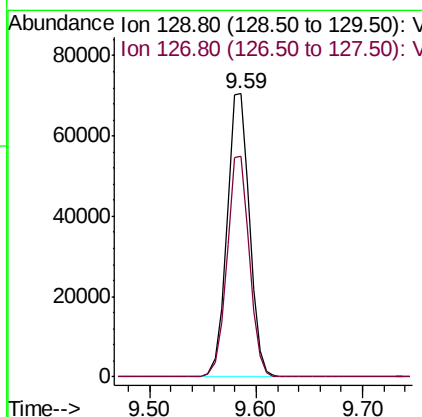
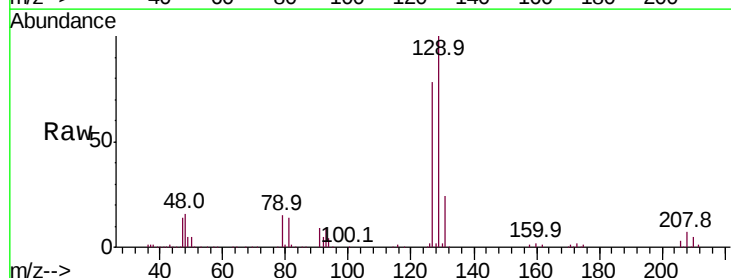
Manual Integrations
APPROVED

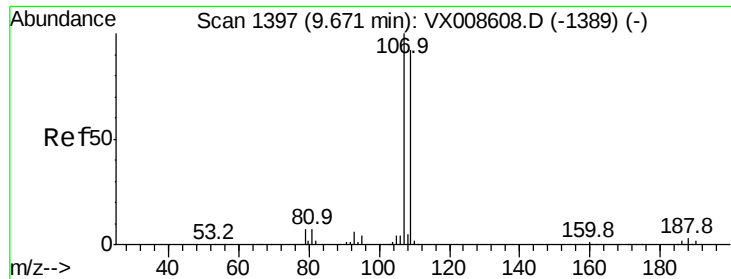
MMDadoda
4/9/2019 1:50:45 PM



#60
Dibromochloromethane
Concen: 49.718 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Tgt Ion: 129 Resp: 104526
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.3





#61

1,2-Dibromoethane

Concen: 47.834 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 111100

Ion Ratio Lower Upper

107 100

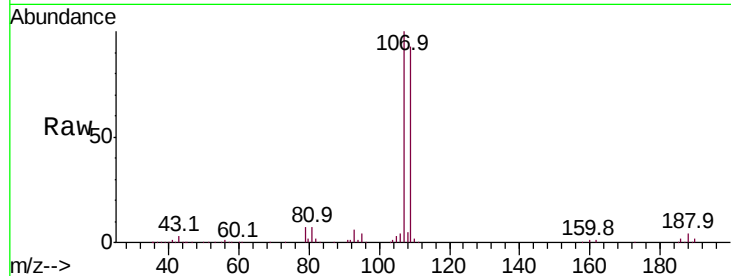
109 93.3 74.1 111.1

Manual Integrations

APPROVED

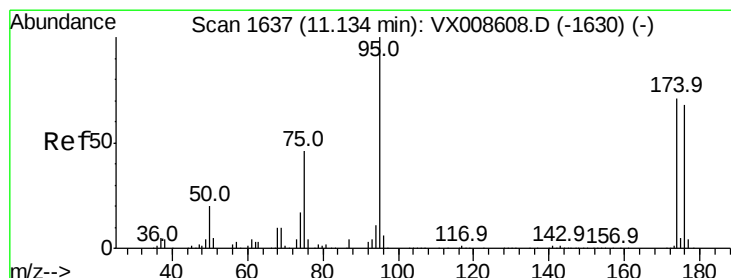
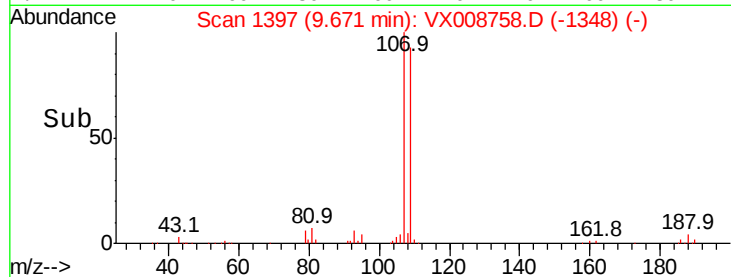
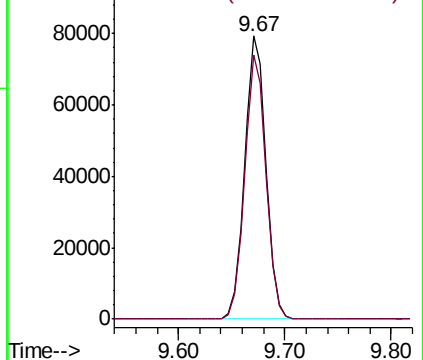
MMDadoda

4/9/2019 1:50:45 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.680 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

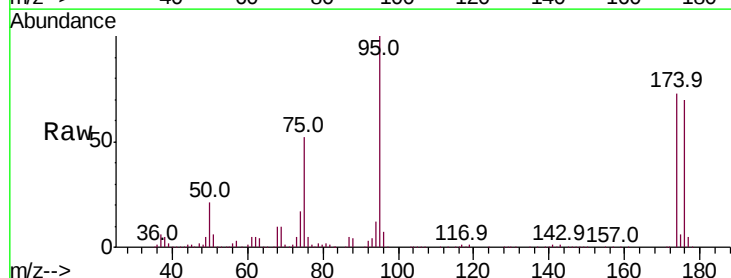
Tgt Ion: 95 Resp: 122002

Ion Ratio Lower Upper

95 100

174 78.1 0.0 151.8

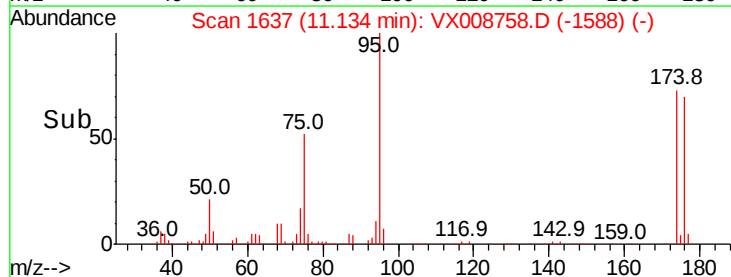
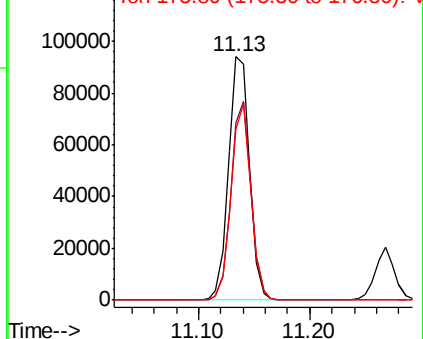
176 76.6 0.0 145.8

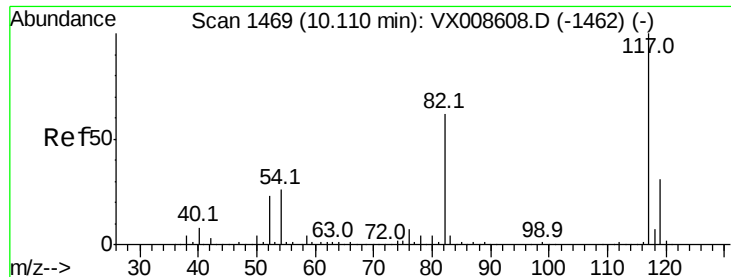


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





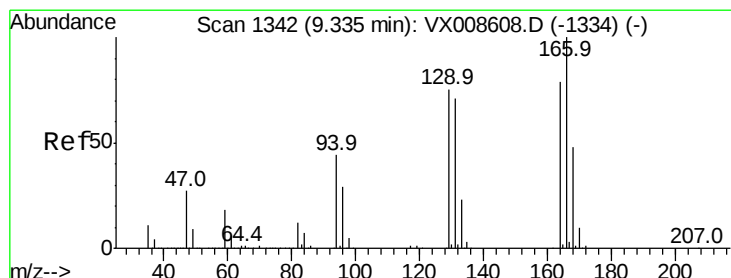
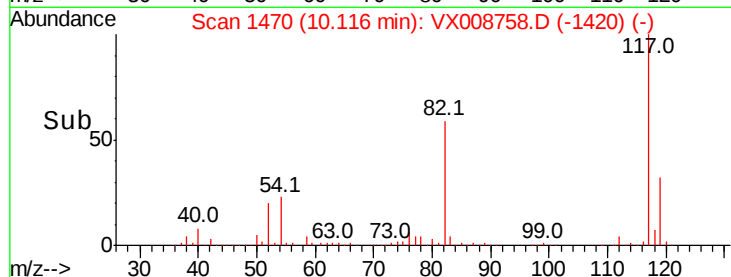
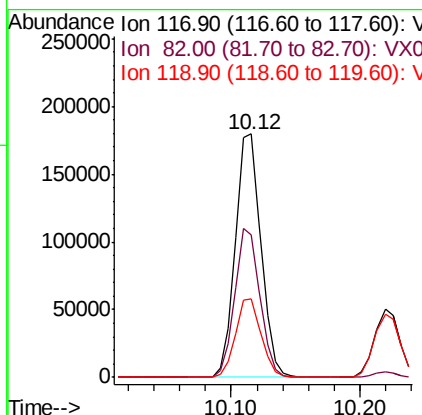
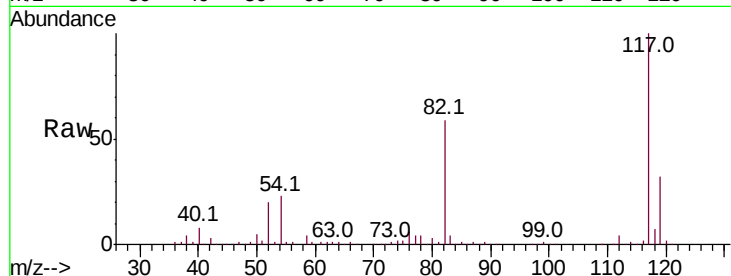
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	49.6	74.4
119	32.0	25.0	37.4

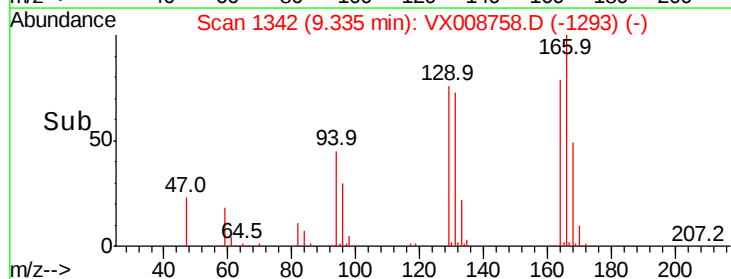
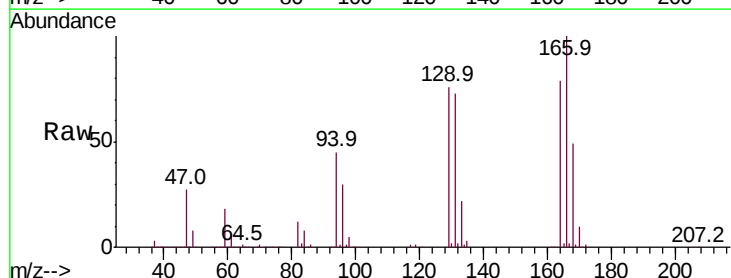
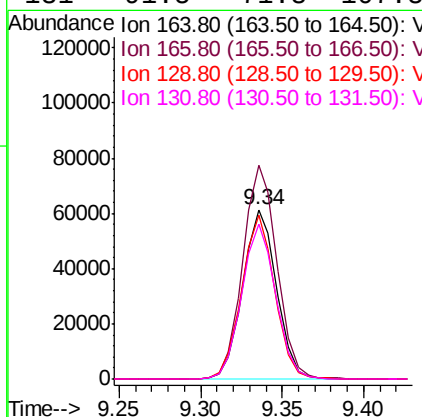
Manual Integrations
APPROVED

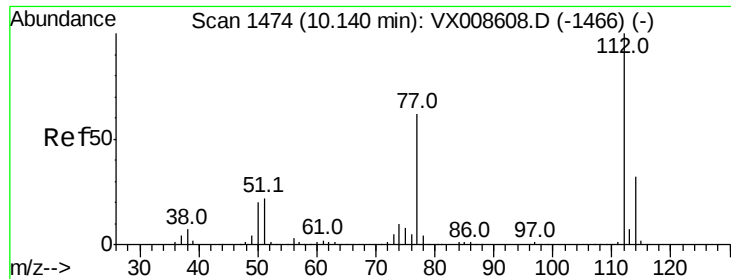
MMDadoda
4/9/2019 1:50:45 PM



#64
Tetrachloroethene
Concen: 47.615 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	101.0	151.6
129	96.4	75.8	113.8
131	91.5	71.8	107.8





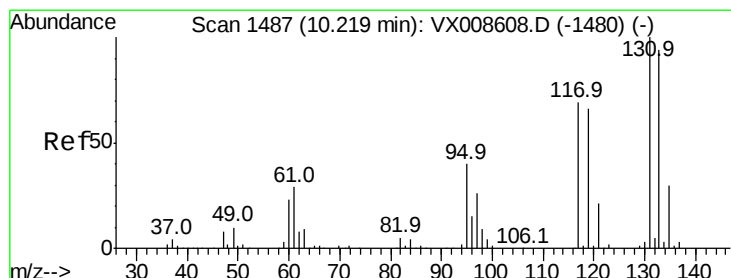
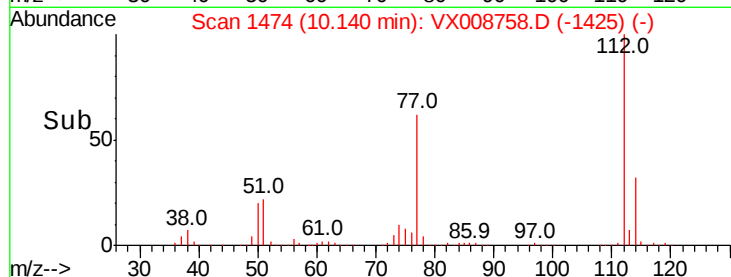
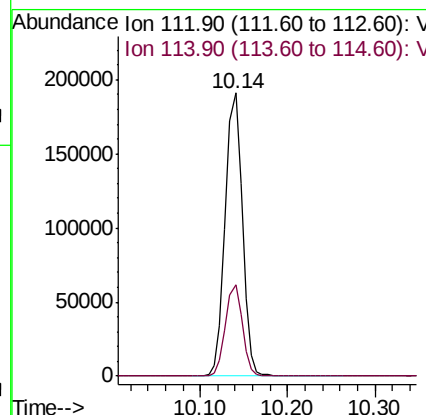
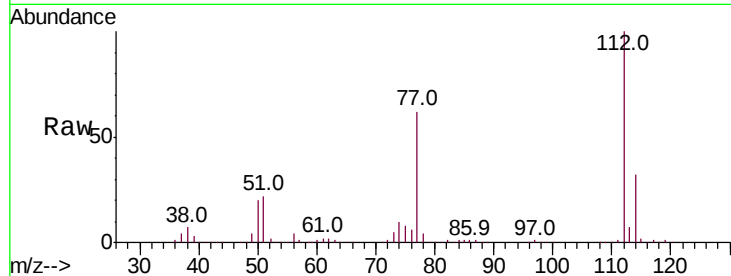
#65
Chlorobenzene
Concen: 46.871 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 259051
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.8

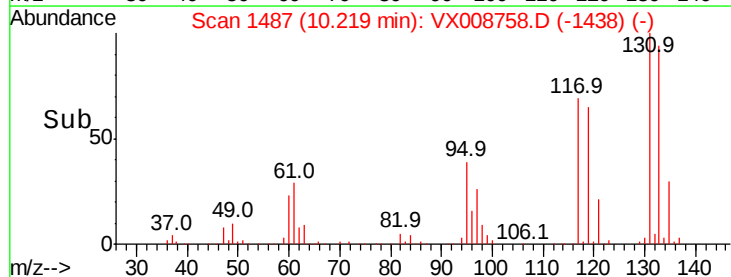
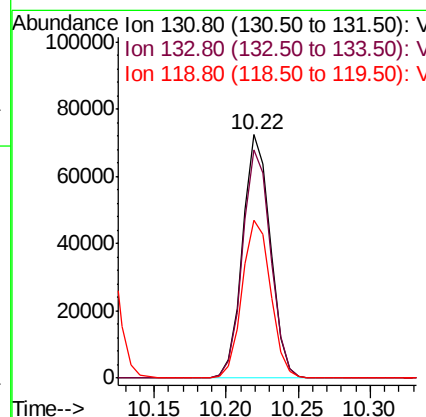
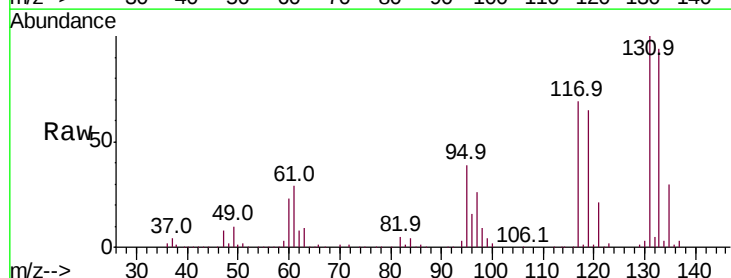
Manual Integrations
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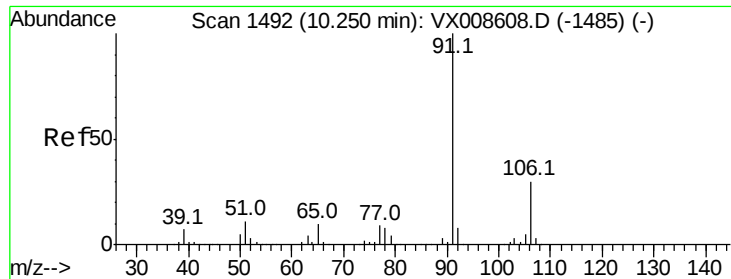
MMDadoda
4/9/2019 1:50:45 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.080 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Tgt Ion:131 Resp: 97102
Ion Ratio Lower Upper
131 100
133 94.9 47.0 141.2
119 66.6 33.7 101.0





#67

Ethyl Benzene

Concen: 46.881 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 483150

Ion Ratio Lower Upper

91 100

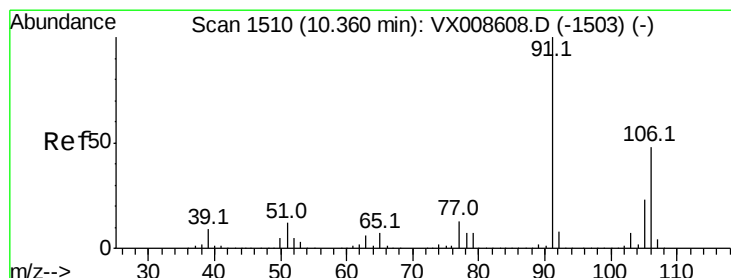
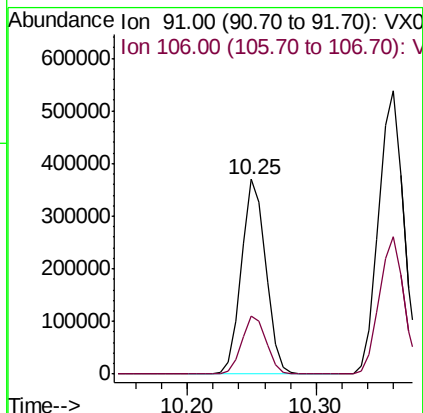
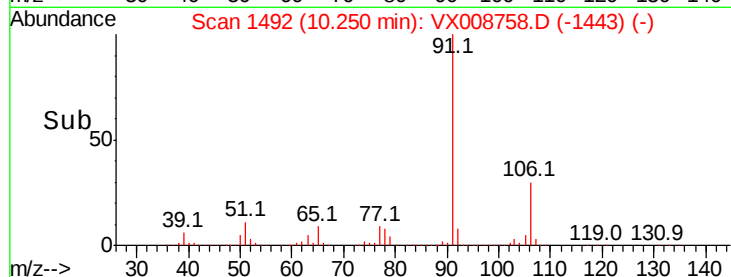
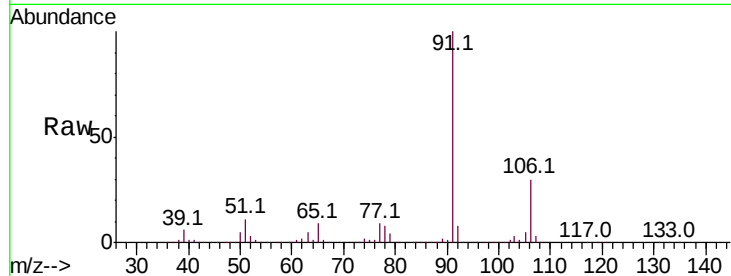
106 29.9 23.7 35.5

Manual Integrations

APPROVED

MMDadoda

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#68

m/p-Xylenes

Concen: 92.925 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008758.D

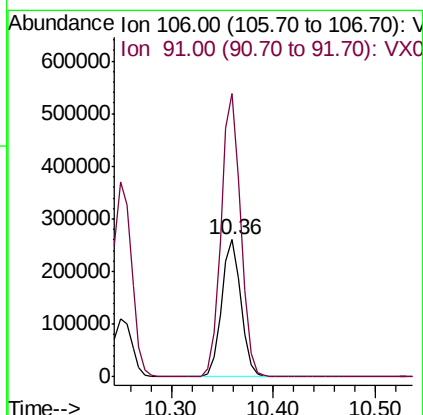
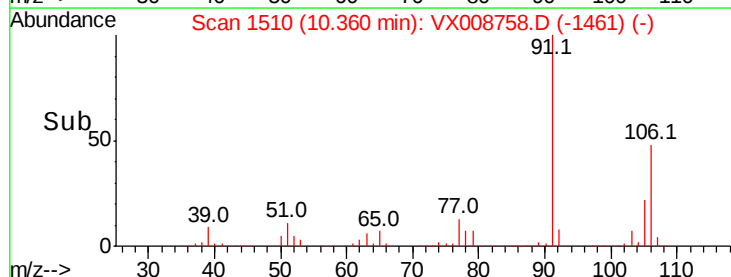
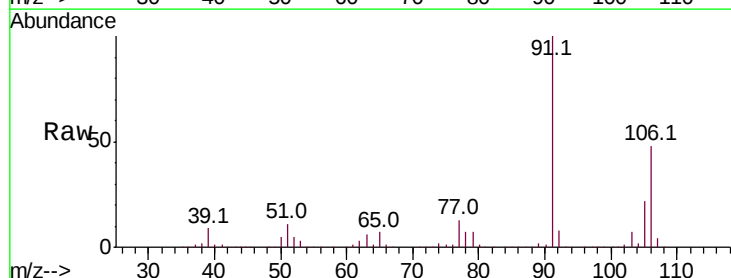
Acq: 08 Apr 2019 20:20

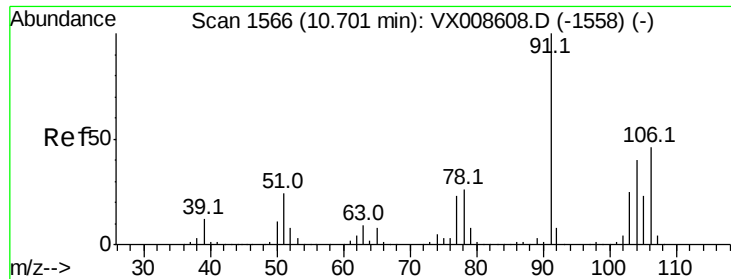
Tgt Ion: 106 Resp: 344334

Ion Ratio Lower Upper

106 100

91 208.9 168.5 252.7





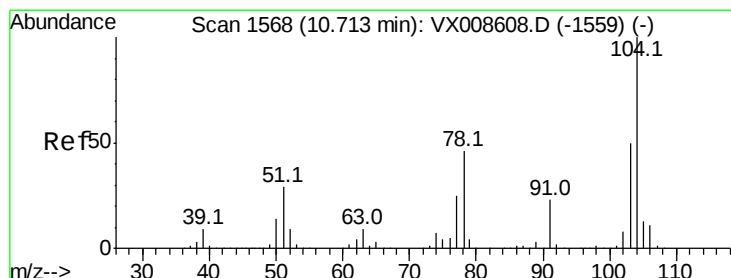
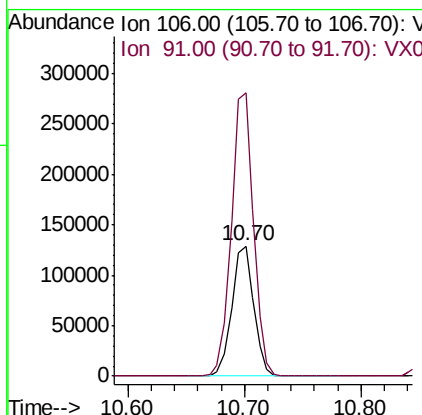
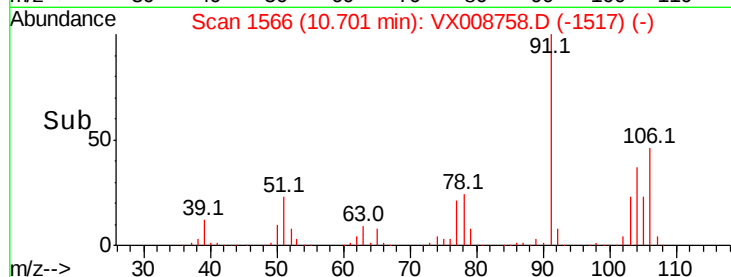
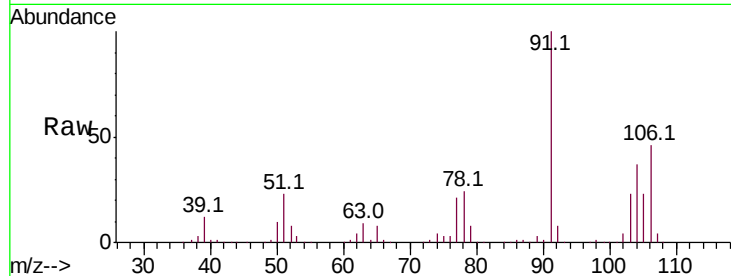
#69
o-Xylene
Concen: 47.189 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 169459
Ion Ratio Lower Upper
106 100
91 219.1 111.5 334.4

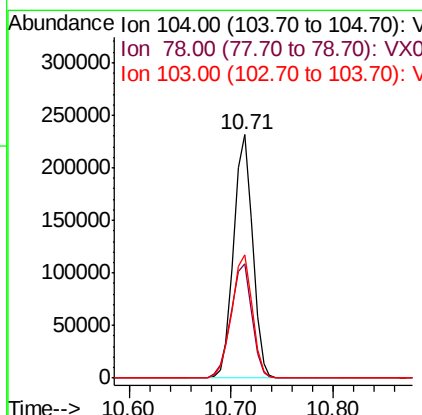
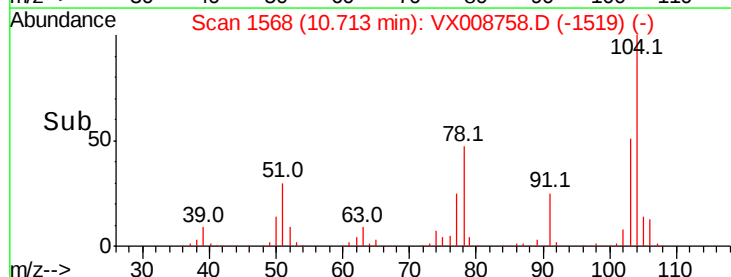
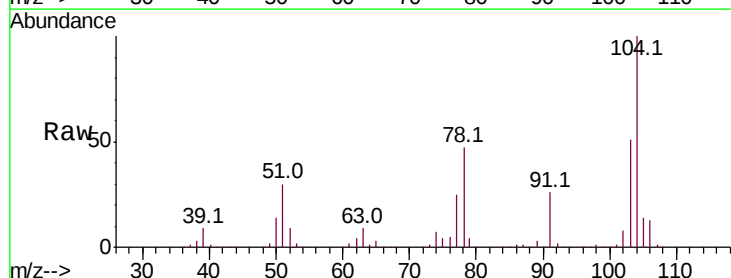
Manual Integrations
APPROVED

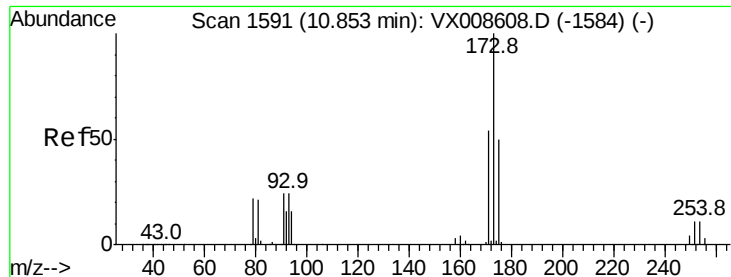
MMDadoda
4/9/2019 1:50:45 PM



#70
Styrene
Concen: 47.831 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Tgt Ion:104 Resp: 296079
Ion Ratio Lower Upper
104 100
78 52.3 42.3 63.5
103 55.2 44.4 66.6





#71

Bromoform

Concen: 51.922 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 76890

Ion Ratio Lower Upper

173 100

175 48.6 24.9 74.6

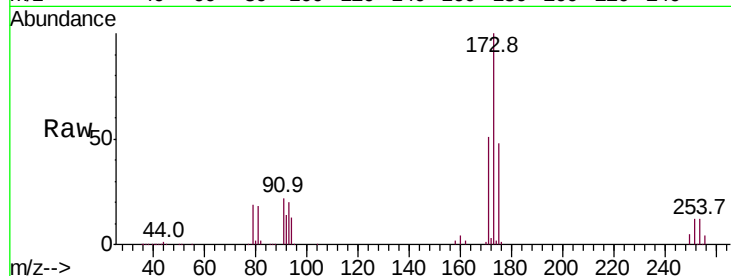
254 0.2 0.1 0.1#

Manual Integrations

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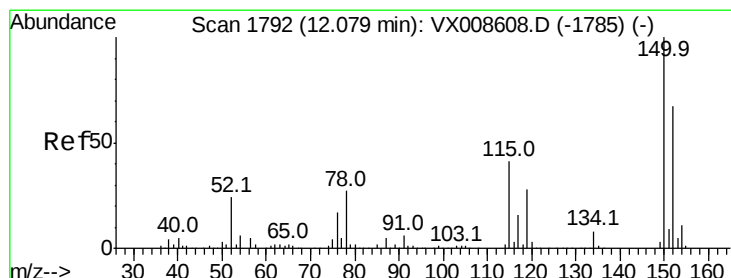
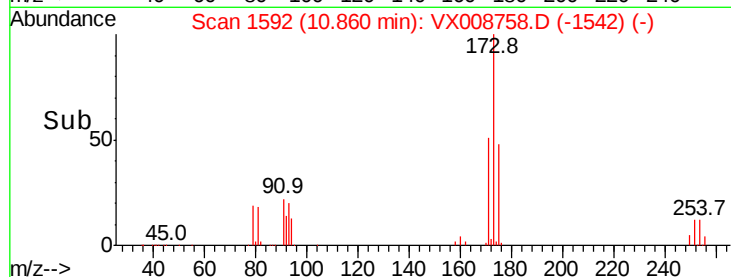
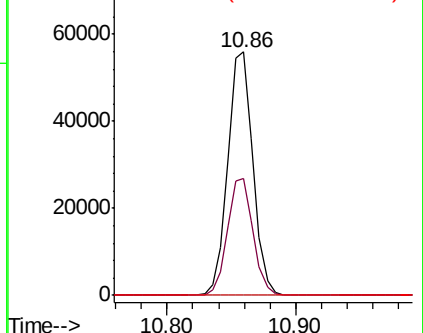
4/9/2019 1:50:45 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

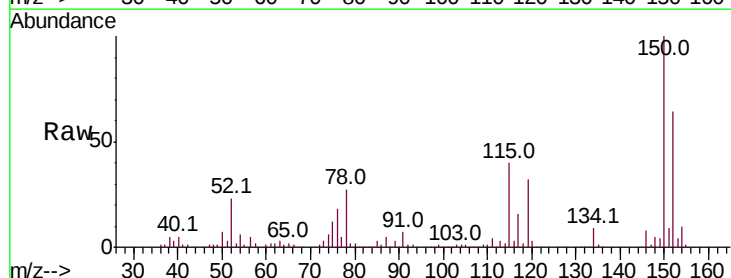
Tgt Ion:152 Resp: 113392

Ion Ratio Lower Upper

152 100

115 83.5 43.5 130.5

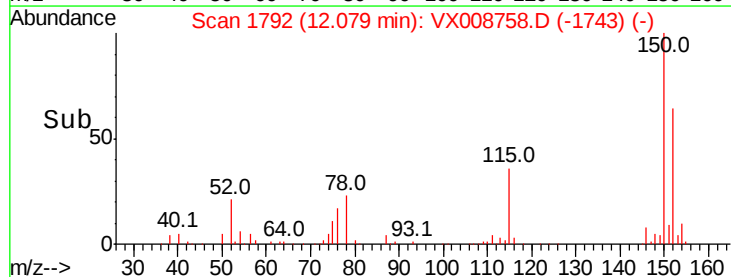
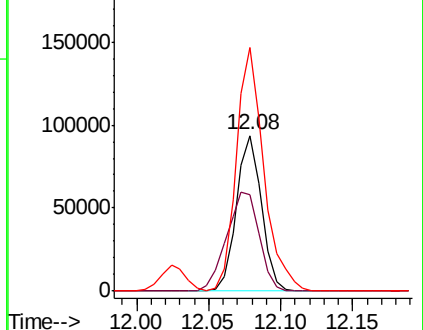
150 171.7 0.0 348.8

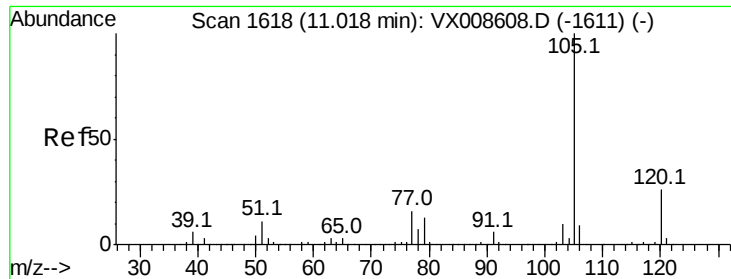


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.764 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 448841

Ion Ratio Lower Upper

105 100

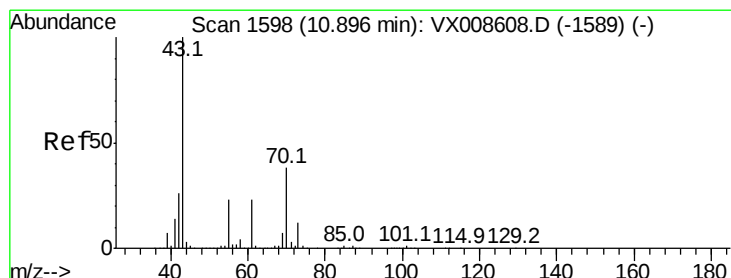
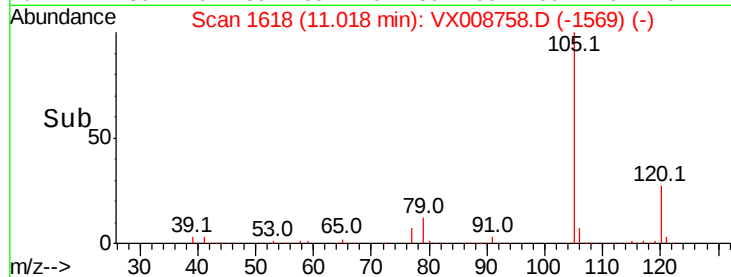
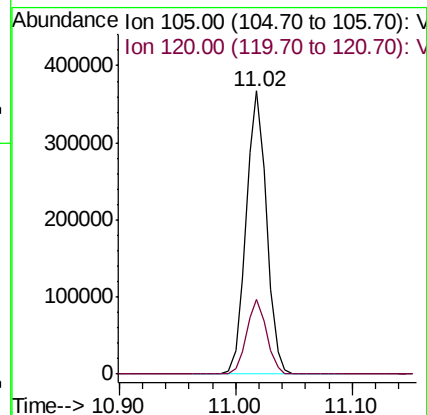
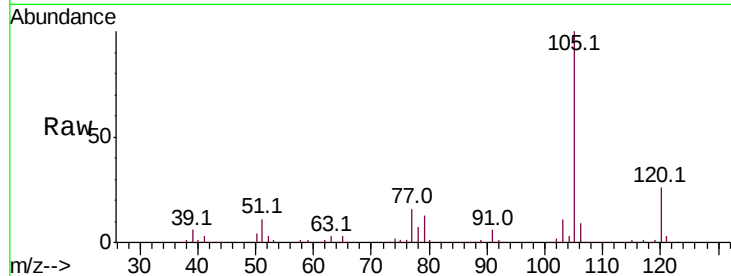
120 25.9 12.9 38.6

Manual Integrations

APPROVED

MMDadoda

4/9/2019 1:50:45 PM



#74

N-ethyl acetate

Concen: 50.141 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Tgt Ion: 43 Resp: 277217

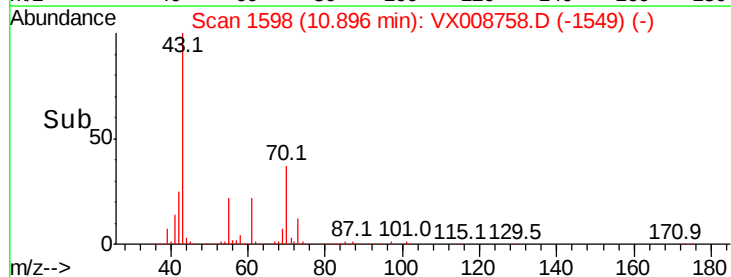
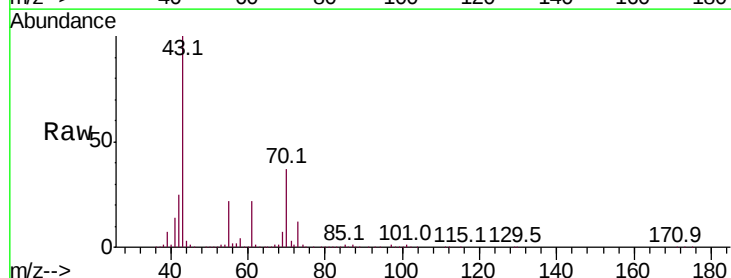
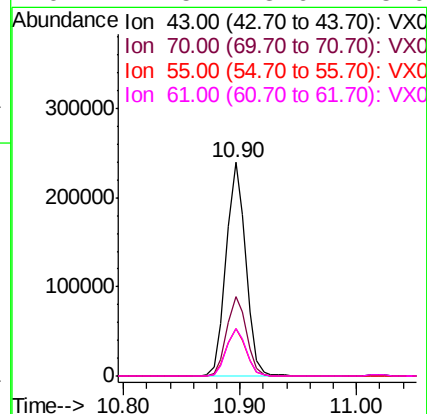
Ion Ratio Lower Upper

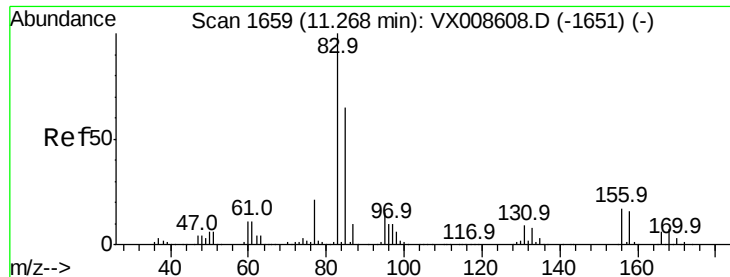
43 100

70 37.7 30.2 45.4

55 22.6 18.2 27.4

61 22.5 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.724 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Instrument :

MSVOA_X

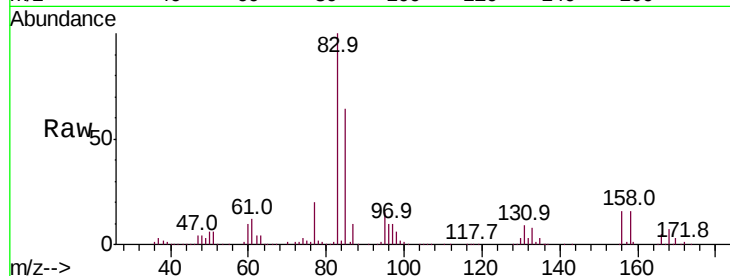
ClientSampleId :

VSTDCCC050EC

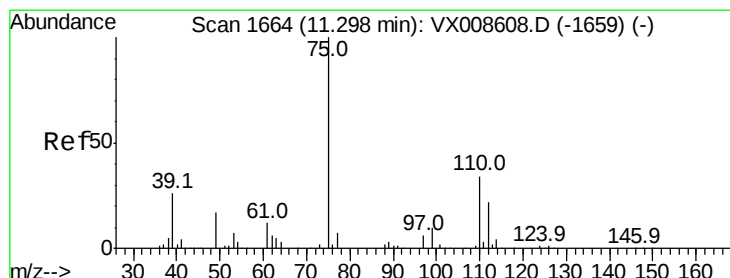
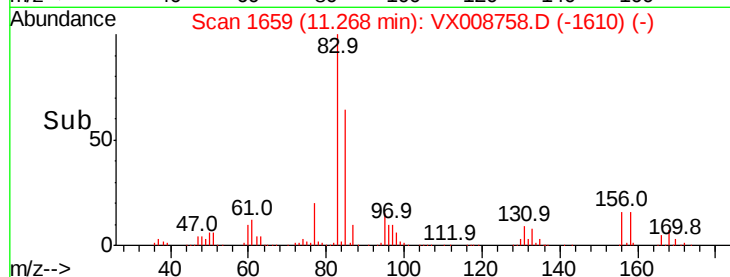
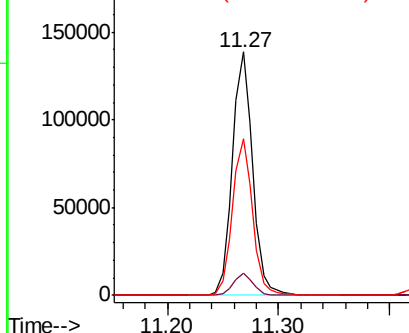
Tot Ion:	83	Resp:	174133
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.5	13.7
85	64.3	32.0	96.2

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



#76

1,2,3-Trichloropropane

Concen: 47.927 ug/l m

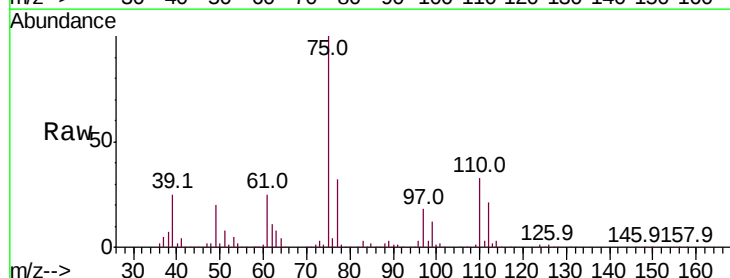
RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

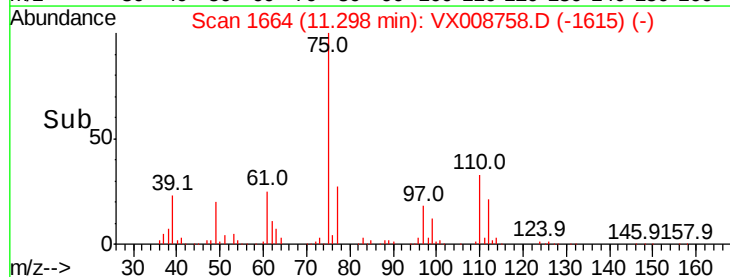
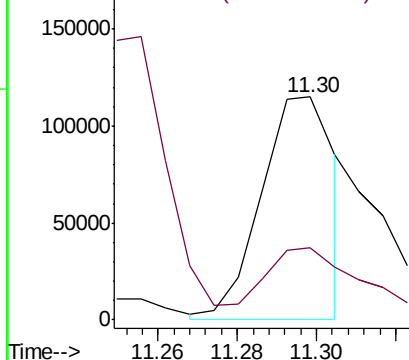
Lab File: VX008758.D

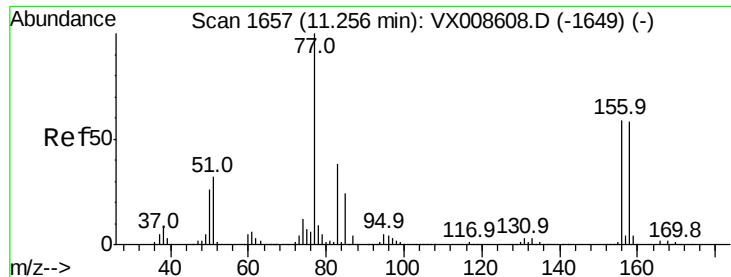
Acq: 08 Apr 2019 20:20

Tgt Ion:	75	Resp:	149291
Ion Ratio	Lower	Upper	
75	100		
77	44.0	22.3	66.8



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





#77

Bromobenzene

Concen: 47.674 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Instrument :

MSVOA_X

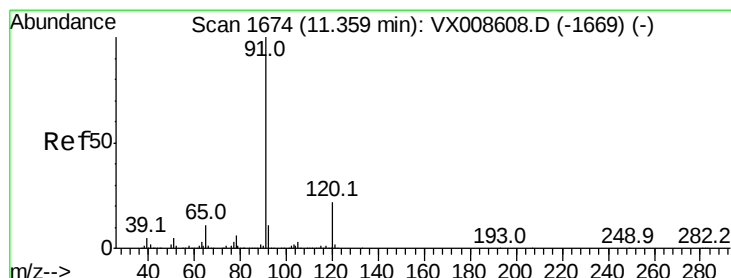
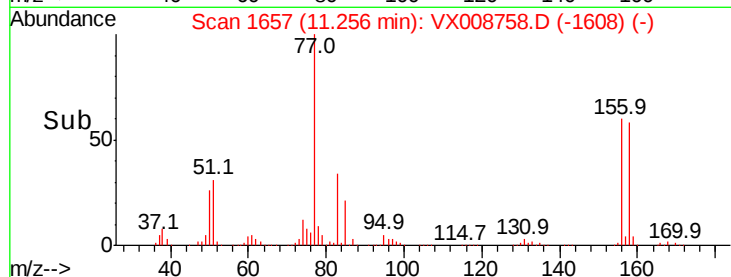
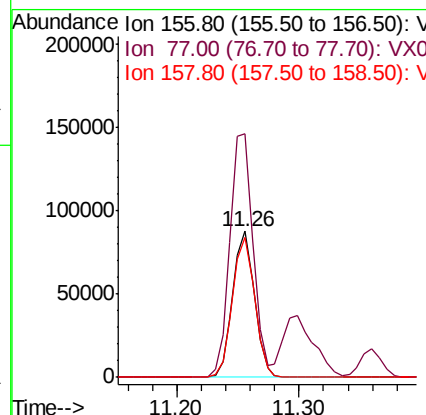
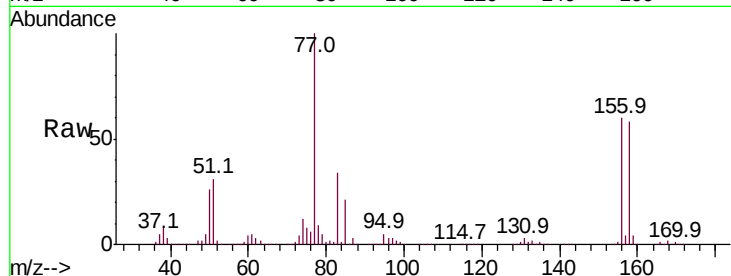
ClientSampleId :

VSTDCCC050EC

Tot Ion	156	Resp	107700
Ion	Ratio	Lower	Upper
156	100		
77	176.8	89.8	269.6
158	97.5	48.6	145.9

Manual Integrations
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4/9/2019 1:50:45 PM



#78

n-propylbenzene

Concen: 47.120 ug/l

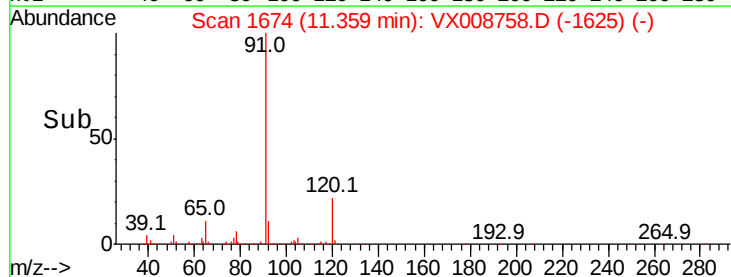
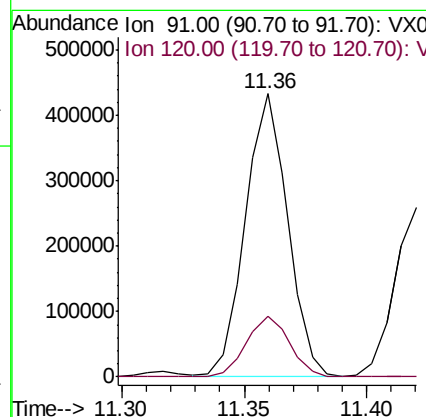
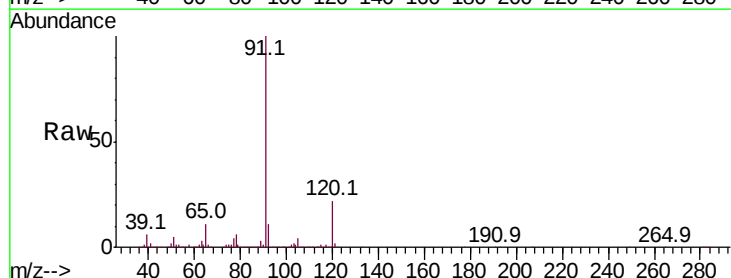
RT: 11.36 min Scan# 1674

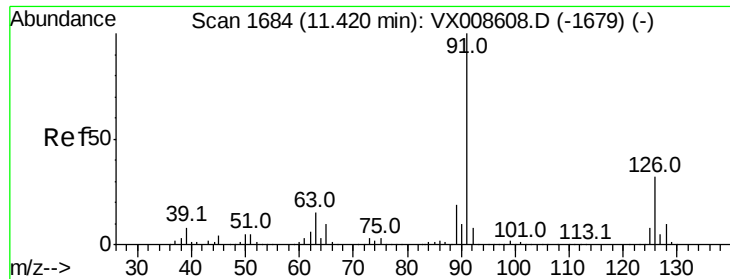
Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Tgt Ion	91	Resp	515573
Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.9	32.7





#79

2-Chlorotoluene

Concen: 46.402 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 307249

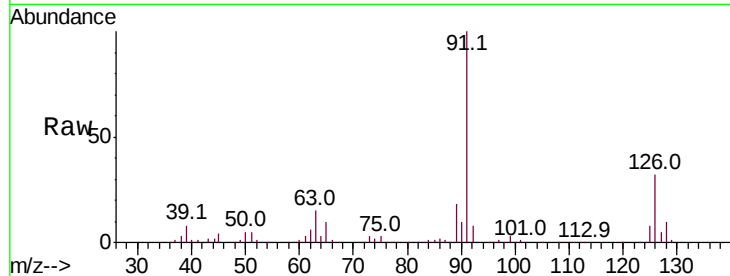
Ion Ratio Lower Upper

91 100

126 32.2 16.1 48.3

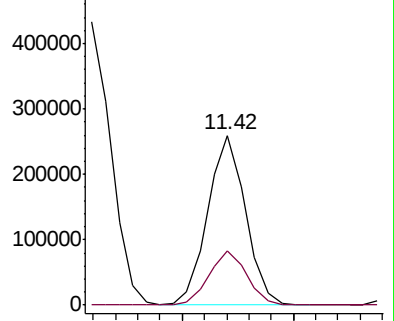
Manual Integrations
APPROVED

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4/9/2019 1:50:45 PM

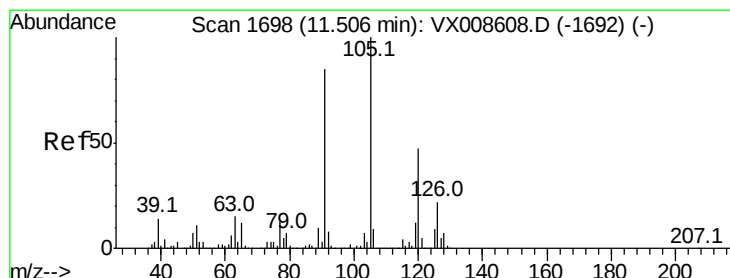
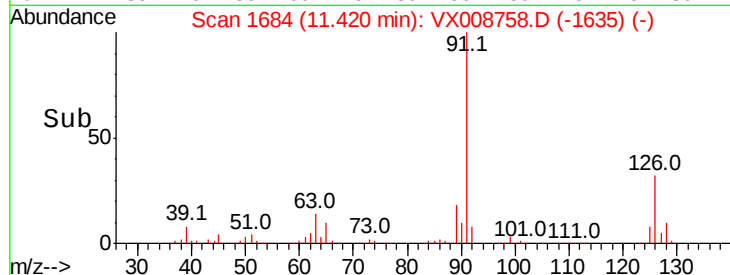


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 47.649 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008758.D

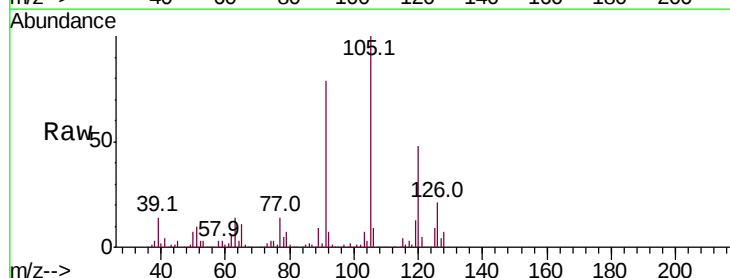
Acq: 08 Apr 2019 20:20

Tgt Ion: 105 Resp: 375864

Ion Ratio Lower Upper

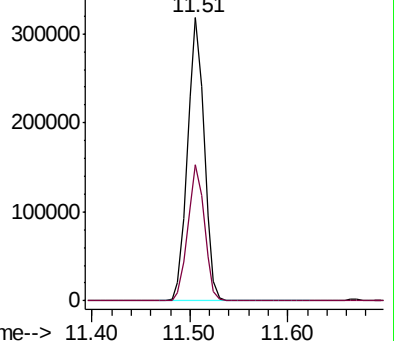
105 100

120 48.0 23.5 70.6

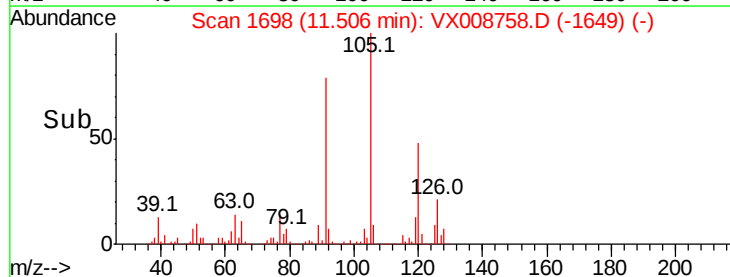


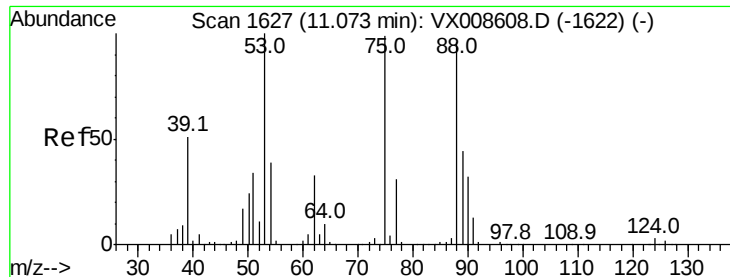
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 49.665 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 56123

Ion Ratio Lower Upper

75 100

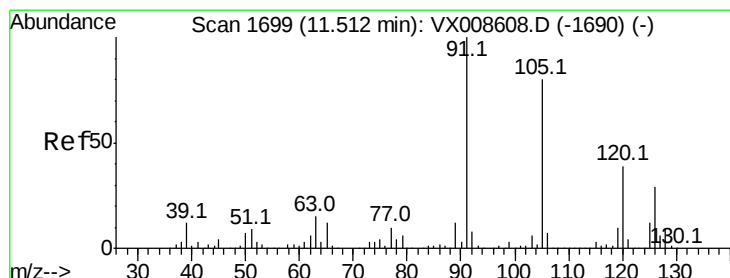
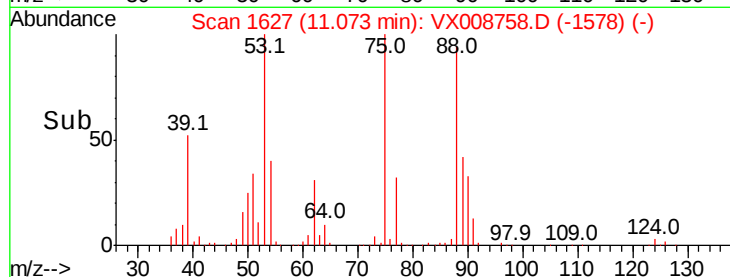
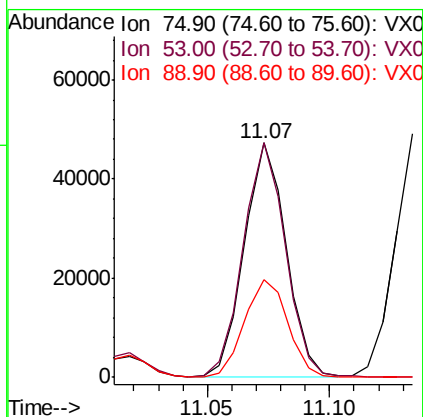
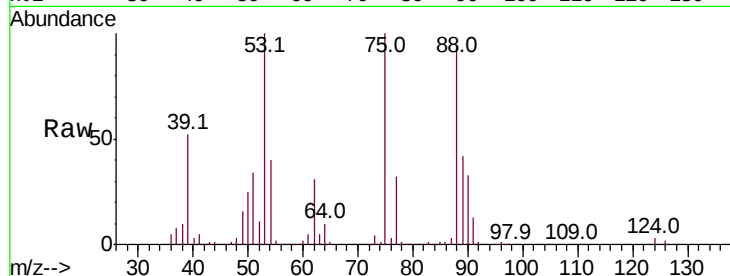
53 101.0 81.3 121.9

89 43.5 35.6 53.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 45.486 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008758.D

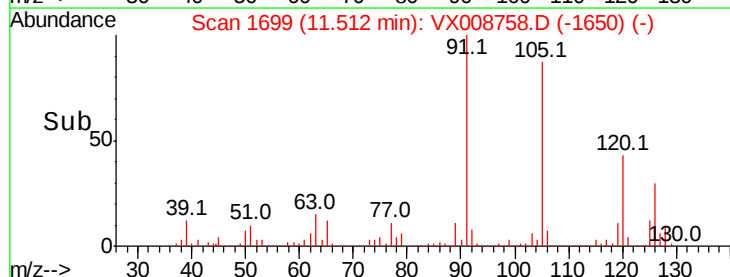
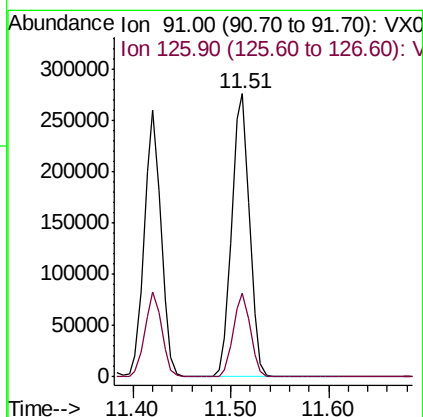
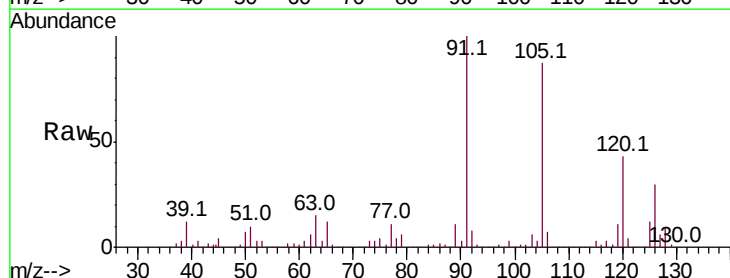
Acq: 08 Apr 2019 20:20

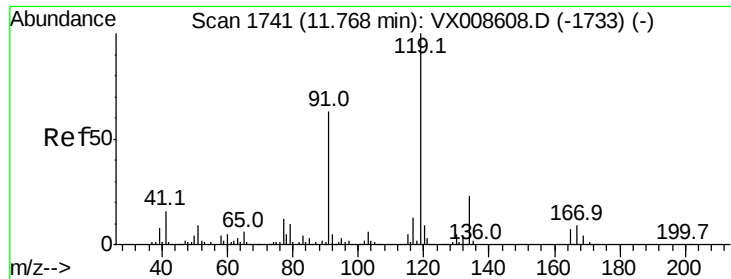
Tgt Ion: 91 Resp: 348630

Ion Ratio Lower Upper

91 100

126 28.8 13.9 41.6





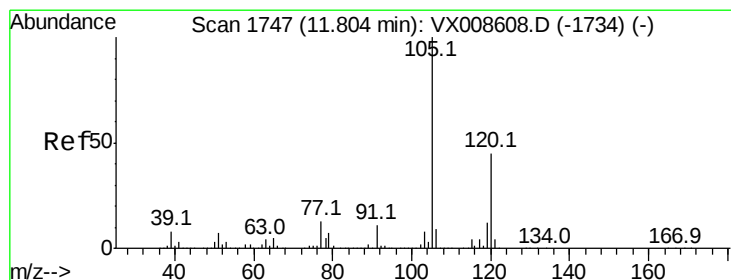
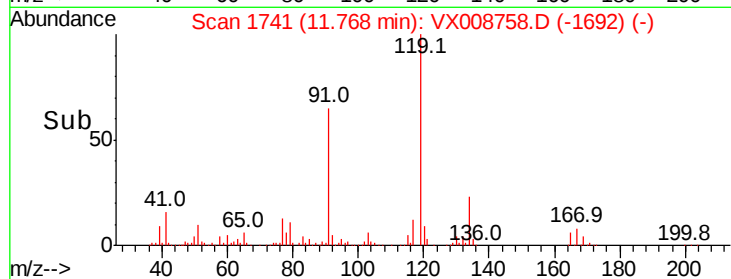
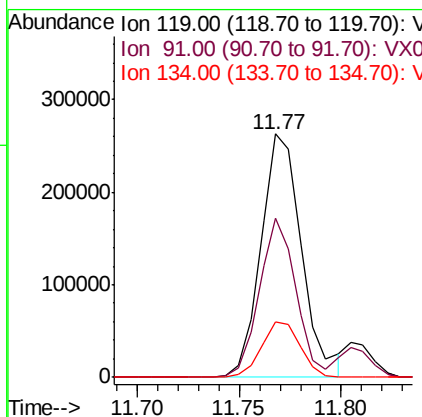
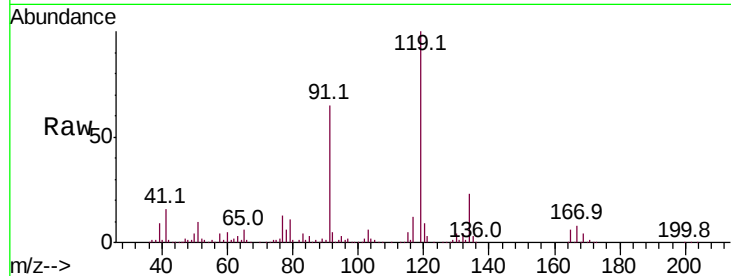
#83
tert-Butylbenzene
Concen: 48.080 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	364873		
91	58.7	30.0	90.1	
134	21.8	11.1	33.3	

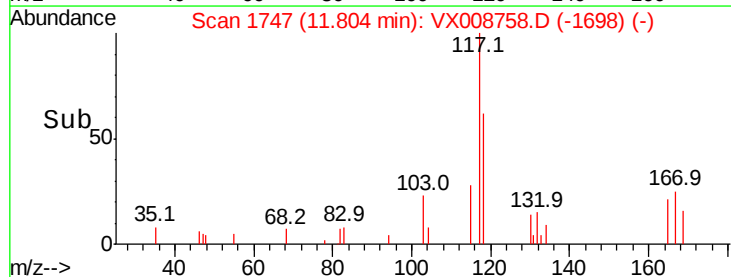
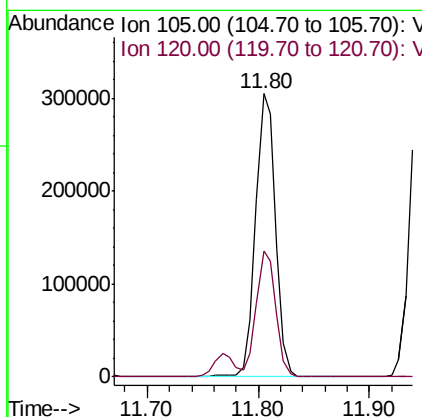
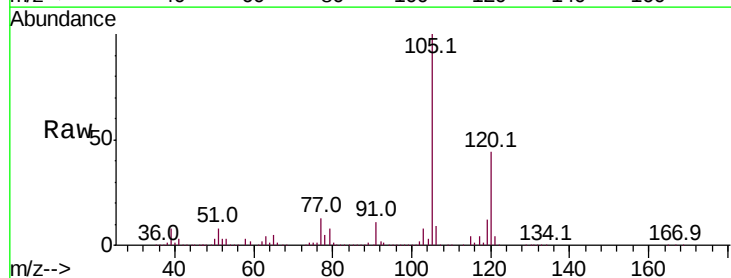
Manual Integrations
APPROVED

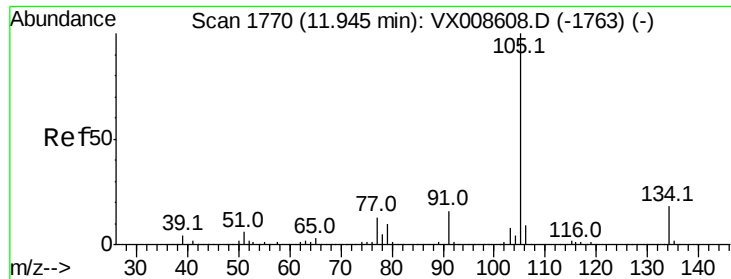
MMDadoda
4/9/2019 1:50:45 PM



#84
1,2,4-Trimethylbenzene
Concen: 47.634 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	380463		
120	43.3	21.8	65.3	





#85

sec-Butylbenzene

Concen: 47.400 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 427275

Ion Ratio Lower Upper

105 100

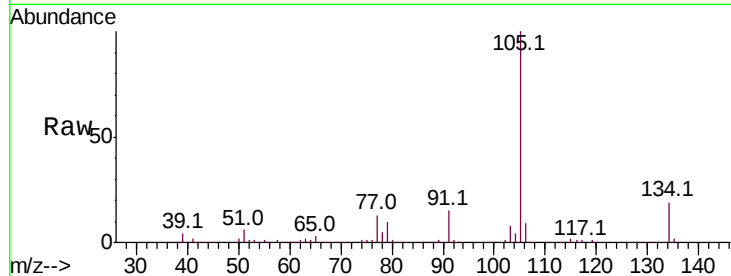
134 19.2 9.4 28.2

Manual Integrations

APPROVED

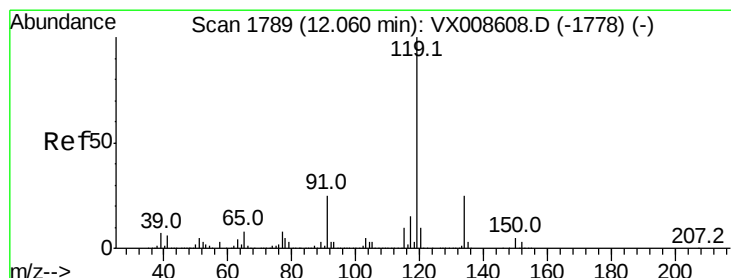
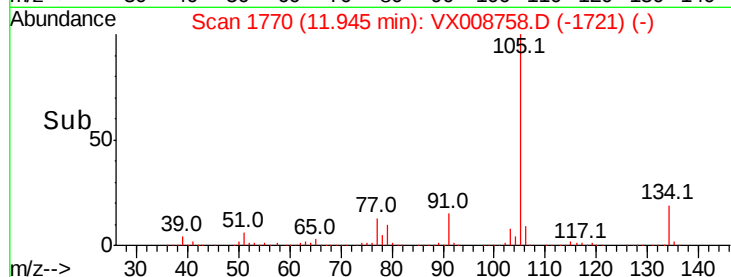
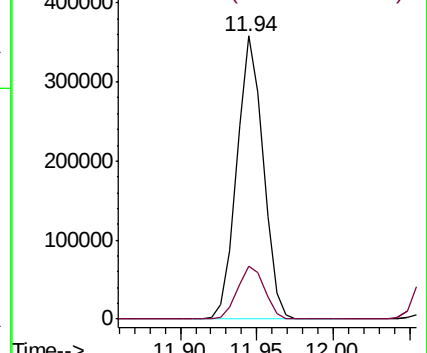
MMDadoda

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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: 47.435 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

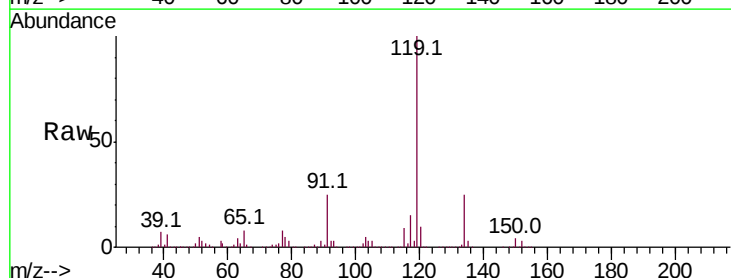
Tgt Ion:119 Resp: 383784

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

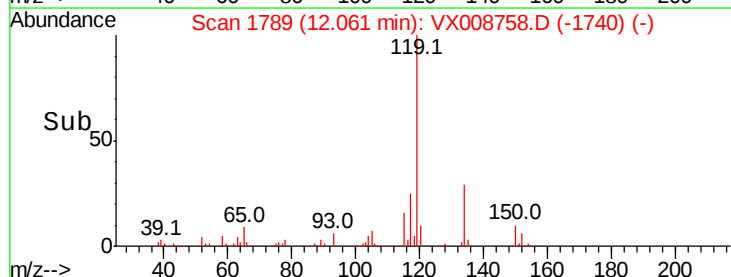
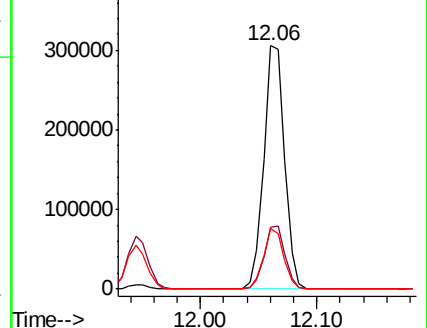
91 24.1 12.2 36.6

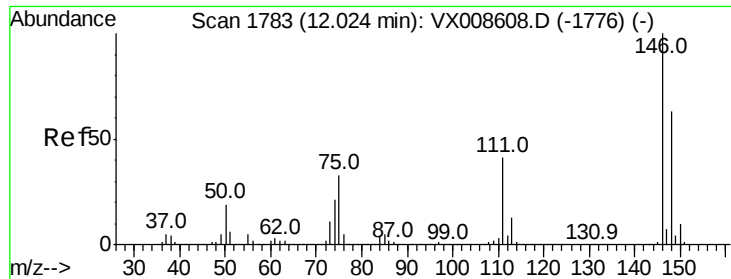


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





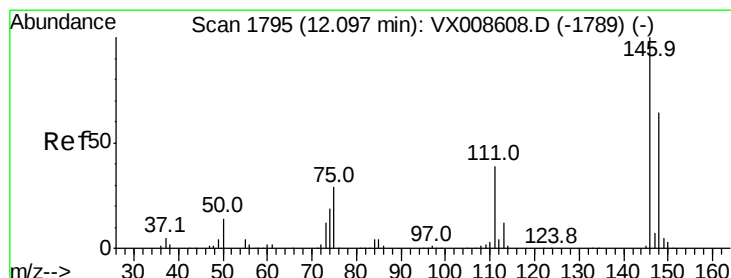
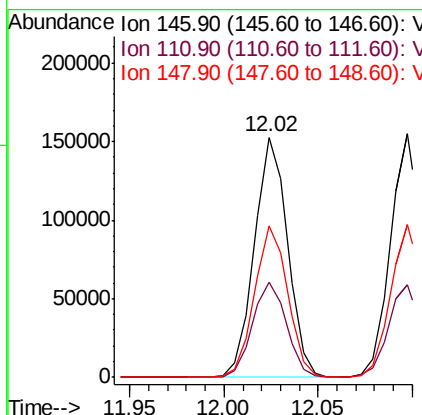
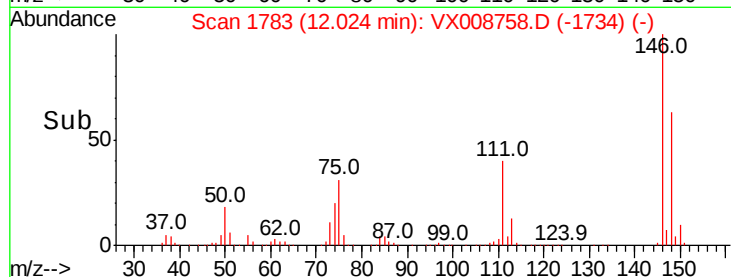
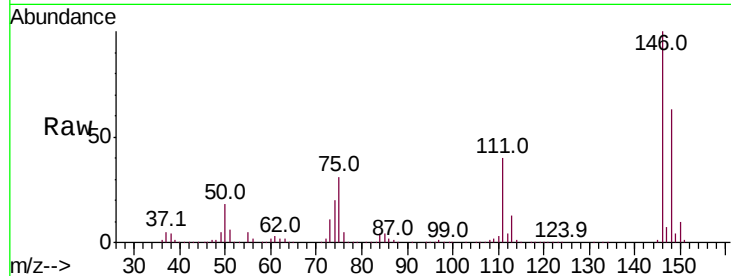
#87
 1,3-Dichlorobenzene
 Concen: 46.222 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008758.D
 Acq: 08 Apr 2019 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.5	61.5
148	63.2	31.6	94.7

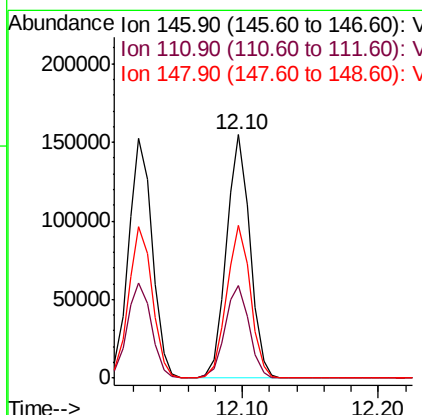
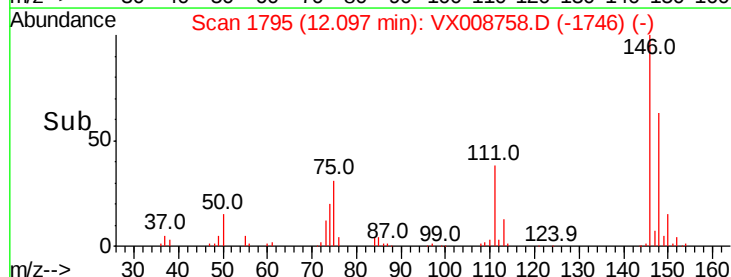
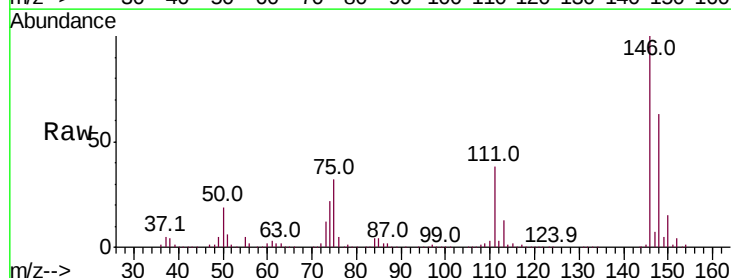
Manual Integrations
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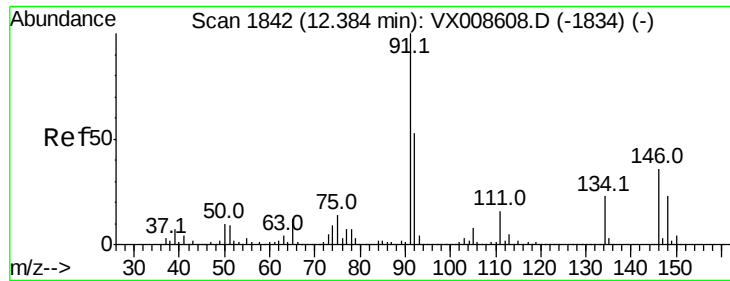
MMDadoda
 4/9/2019 1:50:45 PM



#88
 1,4-Dichlorobenzene
 Concen: 45.093 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008758.D
 Acq: 08 Apr 2019 20:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.2	60.6
148	63.7	32.0	96.0





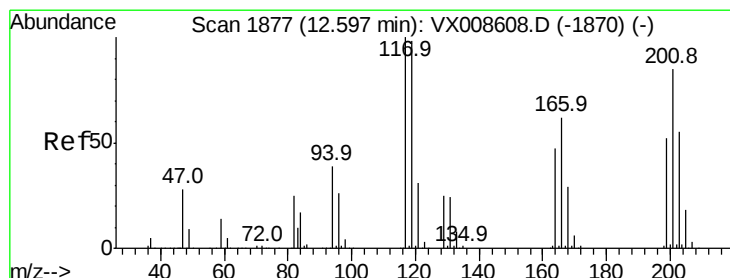
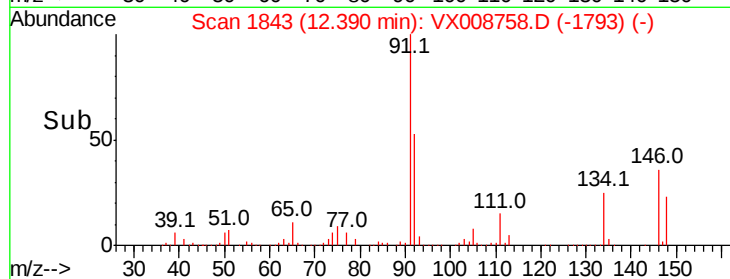
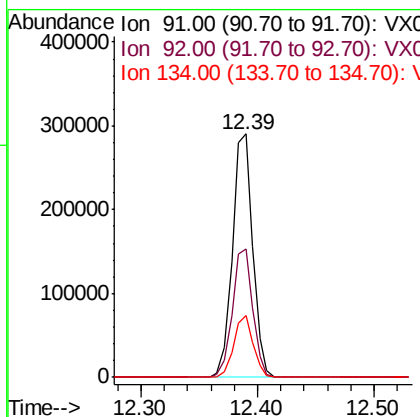
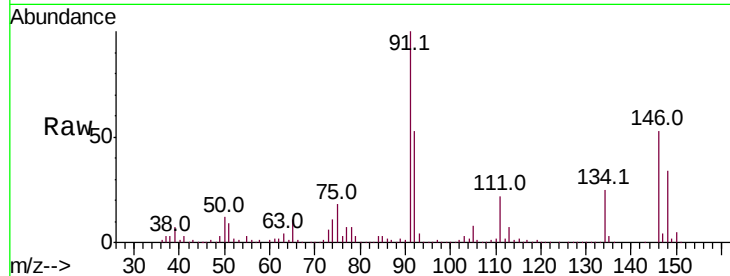
#89
n-Butylbenzene
Concen: 46.458 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.4	79.2
134	24.3	12.0	36.0

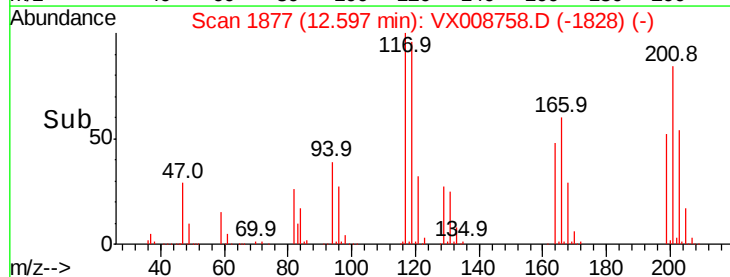
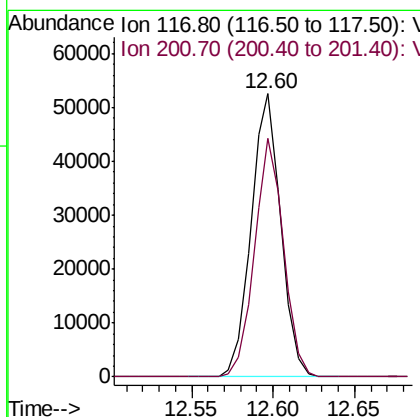
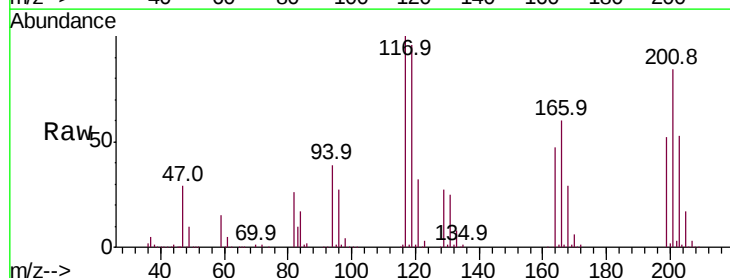
Manual Integrations
APPROVED

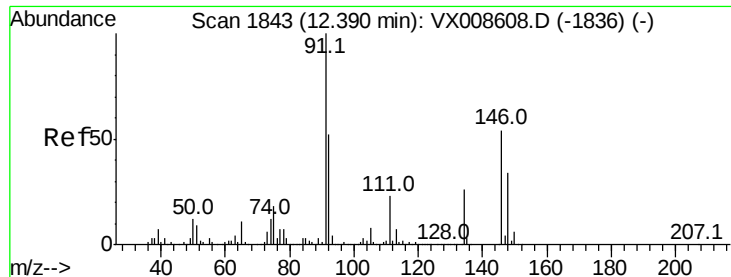
MMDadoda
4/9/2019 1:50:45 PM



#90
Hexachloroethane
Concen: 49.364 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008758.D
Acq: 08 Apr 2019 20:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.5	40.6	122.0





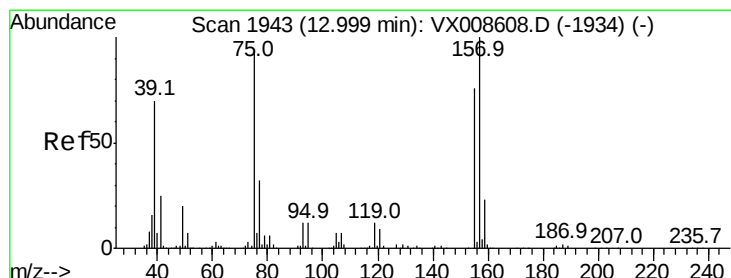
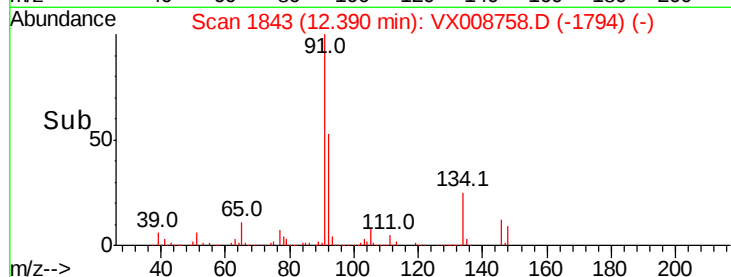
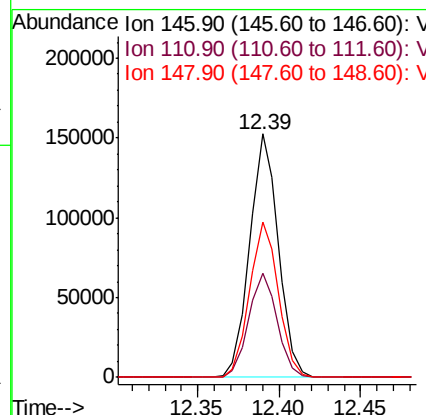
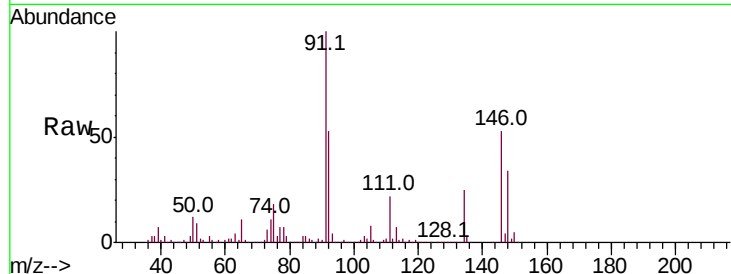
#91
 1,2-Dichlorobenzene
 Concen: 46.529 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008758.D
 Acq: 08 Apr 2019 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.5	21.3	63.9	
148	64.2	31.7	95.1	

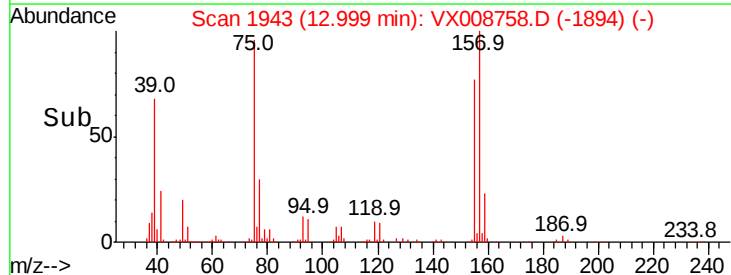
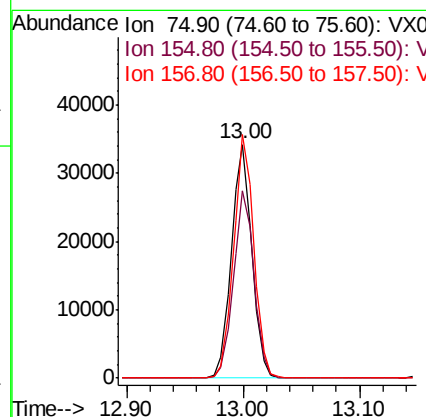
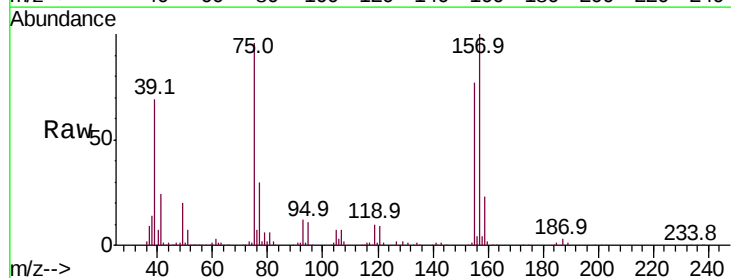
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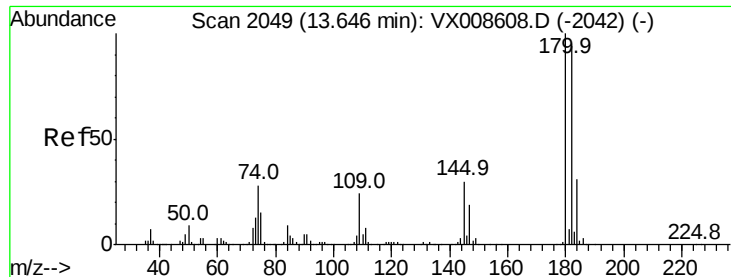
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.803 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008758.D
 Acq: 08 Apr 2019 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	80.6	39.9	119.6	
157	102.9	51.5	154.7	





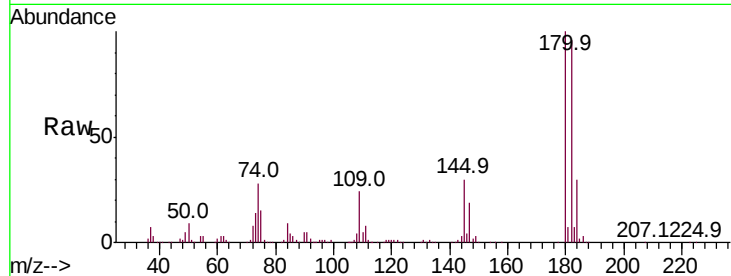
#93
 1,2,4-Trichlorobenzene
 Concen: 46.377 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008758.D
 Acq: 08 Apr 2019 20:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

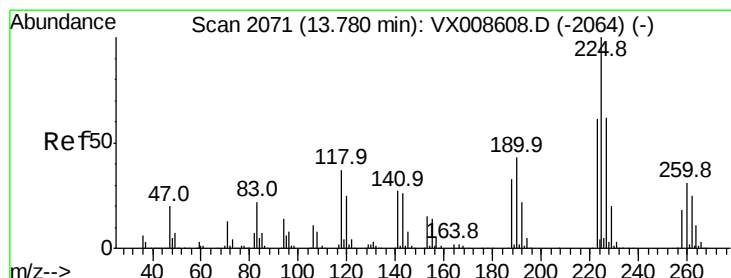
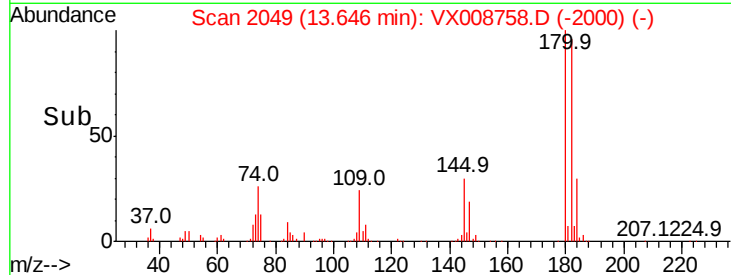
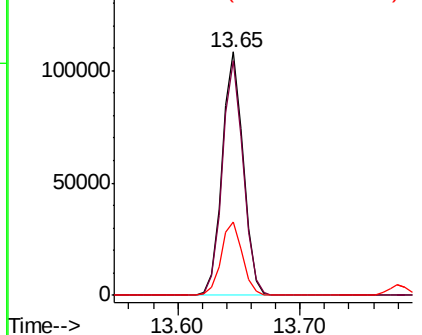
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.5	47.2	141.6	
145	30.3	15.3	45.9	

Manual Integrations
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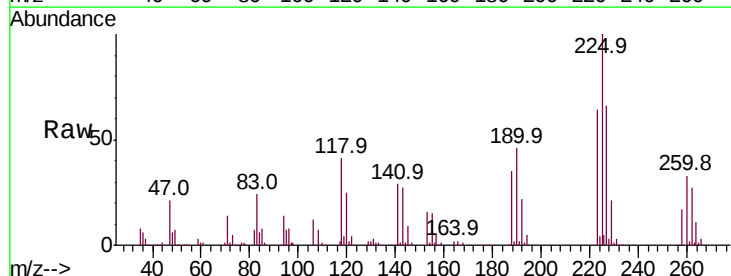


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

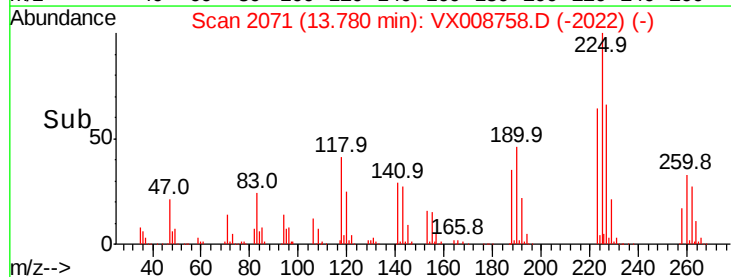
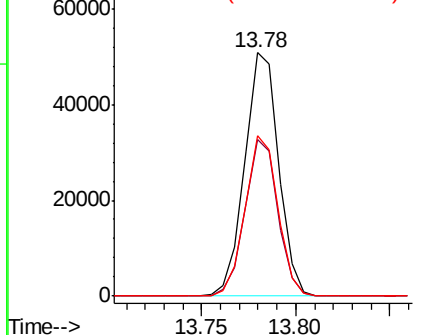


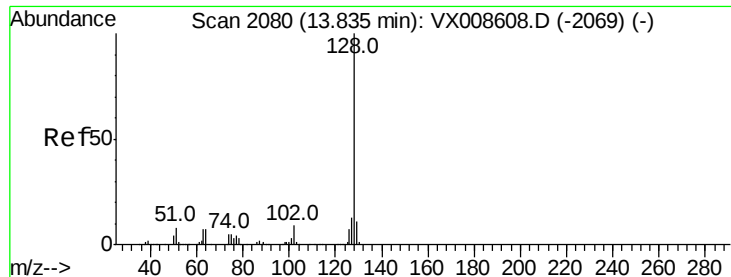
#94
 Hexachlorobutadiene
 Concen: 47.342 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008758.D
 Acq: 08 Apr 2019 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	31.2	93.6	
227	63.7	31.9	95.5	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 49.998 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Instrument :

MSVOA_X

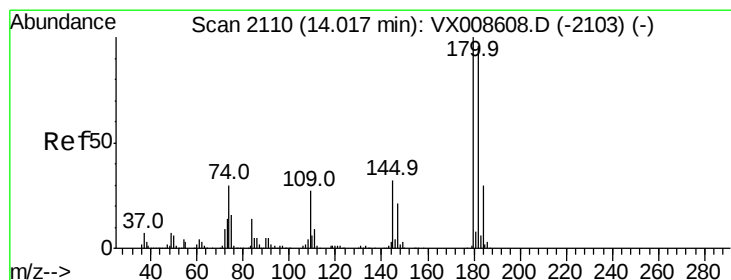
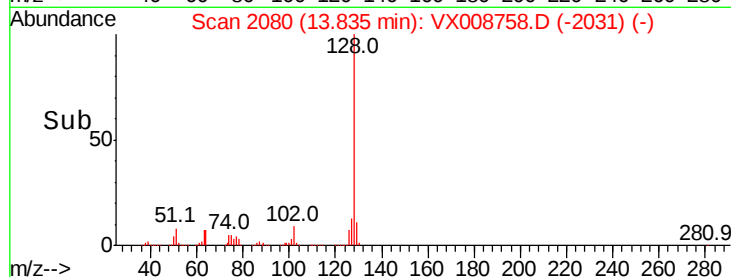
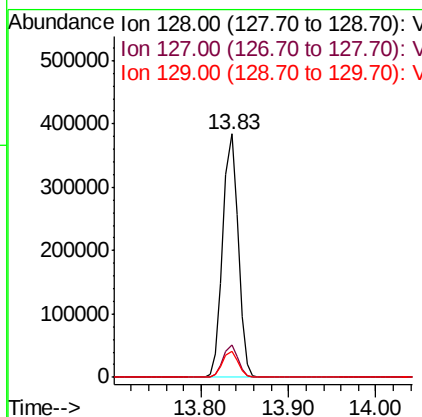
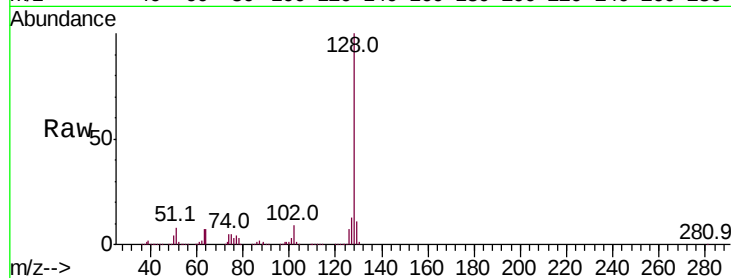
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	466540
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	13.0

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#96

1,2,3-Trichlorobenzene

Concen: 46.963 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008758.D

Acq: 08 Apr 2019 20:20

Tgt Ion:	180	Resp:	131003
Ion Ratio	Lower	Upper	
180	100		
182	96.8	48.1	144.3
145	31.9	16.3	48.8

