

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082219\
 Data File : VX011748.D
 Acq On : 22 Aug 2019 08:56
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 1:55:37 PM

Quant Time: Aug 23 01:31:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:19:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	373356	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	487592	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	442187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	227108	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	3180	0.875	ug/l	82
3) Chloromethane	1.32	50	3264	0.875	ug/l	99
4) Vinyl Chloride	1.40	62	3306	0.982	ug/l	97
6) Chloroethane	1.72	64	1975	1.178	ug/l	97
7) Trichlorofluoromethane	1.93	101	4846	1.010	ug/l	88
8) Diethyl Ether	2.18	74	1800m	1.104	ug/l	
9) 1,1,2-Trichlorotrifluoroet	2.38	101	3173	0.972	ug/l #	90
12) 1,1-Dichloroethene	2.37	96	3404	1.082	ug/l #	83
14) Allyl chloride	2.72	41	4399	0.843	ug/l #	94
15) Acrylonitrile	3.14	53	8192	4.291	ug/l	99
16) Acetone	2.43	43	8567	4.946	ug/l	95
17) Carbon Disulfide	2.56	76	8253	1.096	ug/l	96
18) Methyl Acetate	2.76	43	4044	0.768	ug/l #	88
19) Methyl tert-butyl Ether	3.18	73	9713	0.950	ug/l #	89
20) Methylene Chloride	2.85	84	3768	1.038	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	3348	0.998	ug/l #	83
22) Diisopropyl ether	3.85	45	8397	0.817	ug/l	95
23) Vinyl Acetate	3.81	43	32419	3.952	ug/l	100
24) 1,1-Dichloroethane	3.68	63	5298	0.901	ug/l #	85
25) 2-Butanone	4.67	43	10771	4.044	ug/l	92
26) 2,2-Dichloropropane	4.58	77	4899	1.091	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	4190	1.079	ug/l	84
28) Bromochloromethane	5.01	49	2420	0.934	ug/l #	63
29) Tetrahydrofuran	5.13	42	7011m	4.006	ug/l	
30) Chloroform	5.20	83	6014	0.969	ug/l	92
32) 1,1,1-Trichloroethane	5.48	97	4435	0.827	ug/l #	46
36) 1,1-Dichloropropene	5.79	75	3580	0.873	ug/l	93
37) Ethyl Acetate	4.82	43	3066	0.653	ug/l #	76
38) Carbon Tetrachloride	5.78	117	4659	1.028	ug/l #	74
39) Methylcyclohexane	7.46	83	4778	0.934	ug/l	97
40) Benzene	6.13	78	13119	1.031	ug/l	97
41) Methacrylonitrile	5.04	41	2681m	1.044	ug/l	
42) 1,2-Dichloroethane	6.18	62	4935	1.109	ug/l	99
43) Isopropyl Acetate	6.44	43	6697	0.912	ug/l #	88

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Quant Time: Aug 23 01:31:21 2019
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	7.20	130	3981	1.045	ug/l	81
45) 1,2-Dichloropropane	7.51	63	3254	1.025	ug/l	90
46) Dibromomethane	7.65	93	2436	1.047	ug/l	88
47) Bromodichloromethane	7.90	83	3962	0.930	ug/l #	83
48) Methyl methacrylate	7.77	41	2996	0.825	ug/l #	78
49) 1,4-Dioxane	7.74	88	2151	22.195	ug/l #	73
51) 4-Methyl-2-Pentanone	8.63	43	20404	4.265	ug/l	98
52) Toluene	8.78	92	8412	1.031	ug/l	88
53) t-1,3-Dichloropropene	9.04	75	3735	0.846	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	3882	0.805	ug/l	91
55) 1,1,2-Trichloroethane	9.21	97	3385	0.978	ug/l #	86
56) Ethyl methacrylate	9.18	69	3735	0.743	ug/l #	77
57) 1,3-Dichloropropane	9.37	76	5967	1.092	ug/l	93
58) 2-Chloroethyl Vinyl ether	8.31	63	9864	3.898	ug/l	92
59) 2-Hexanone	9.49	43	13898	3.762	ug/l	100
60) Dibromochloromethane	9.58	129	3257	0.905	ug/l	98
61) 1,2-Dibromoethane	9.67	107	3314	0.896	ug/l	98
64) Tetrachloroethene	9.33	164	3924	1.074	ug/l	91
65) Chlorobenzene	10.13	112	9292	1.001	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	3204	0.920	ug/l #	67
67) Ethyl Benzene	10.25	91	14063	0.899	ug/l	96
68) m/p-Xylenes	10.35	106	10461	1.742	ug/l	99
69) o-Xylene	10.69	106	5329	0.905	ug/l	100
70) Styrene	10.71	104	8377	0.849	ug/l	97
71) Bromoform	10.85	173	2636	0.892	ug/l #	98
73) Isopropylbenzene	11.01	105	13963	0.959	ug/l	99
74) N-amyl acetate	10.90	43	4985	0.816	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.27	83	5033	1.016	ug/l #	95
76) 1,2,3-Trichloropropane	11.29	75	4660m	1.101	ug/l	
77) Bromobenzene	11.26	156	4321	1.003	ug/l	90
78) n-propylbenzene	11.36	91	13421	0.855	ug/l	98
79) 2-Chlorotoluene	11.42	91	9458	0.982	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	10658	0.871	ug/l	95
82) 4-Chlorotoluene	11.51	91	10378	0.928	ug/l	99
83) tert-Butylbenzene	11.77	119	10319	0.831	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	10856	0.885	ug/l	98
85) sec-Butylbenzene	11.94	105	12471	0.894	ug/l	100
86) p-Isopropyltoluene	12.06	119	11252	0.852	ug/l	86
87) 1,3-Dichlorobenzene	12.02	146	7263	0.976	ug/l	95
88) 1,4-Dichlorobenzene	12.09	146	7578m	1.005	ug/l	
89) n-Butylbenzene	12.38	91	9236	0.850	ug/l	98
90) Hexachloroethane	12.59	117	1792	0.859	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	7331	0.982	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1121	0.980	ug/l	85
93) 1,2,4-Trichlorobenzene	13.64	180	4842	0.871	ug/l	94
94) Hexachlorobutadiene	13.78	225	3170	1.060	ug/l	92
95) Naphthalene	13.83	128	11417	0.733	ug/l	96
96) 1,2,3-Trichlorobenzene	14.02	180	4516	0.807	ug/l	89

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ClientSampleId :
VSTDICC001

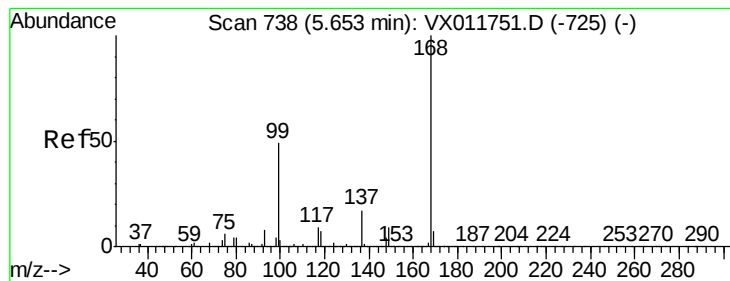
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 373356

Ion Ratio Lower Upper

168 100

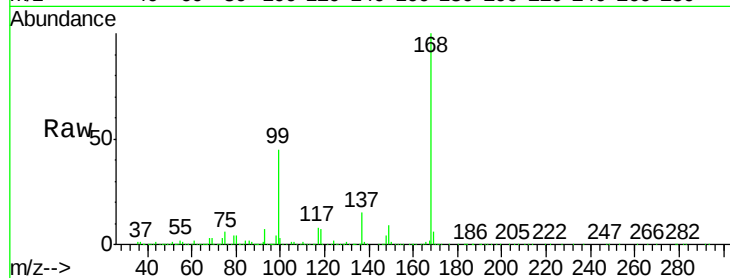
99 45.3 39.4 59.2

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

5.65

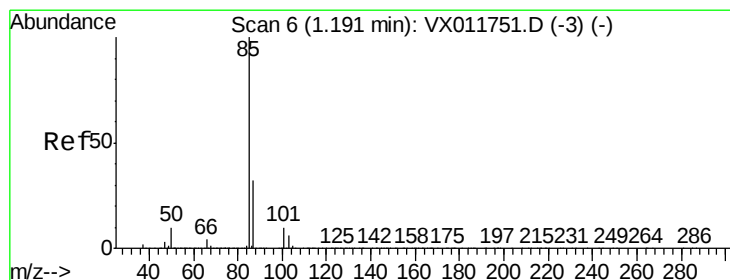
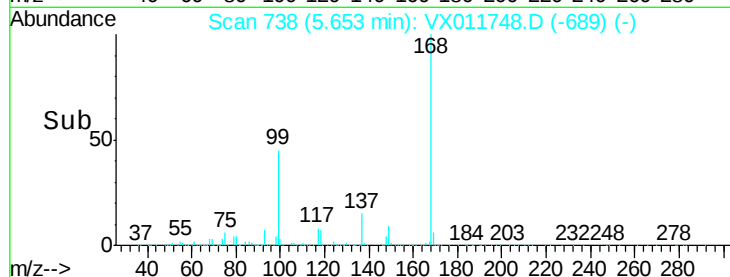
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.875 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011748.D

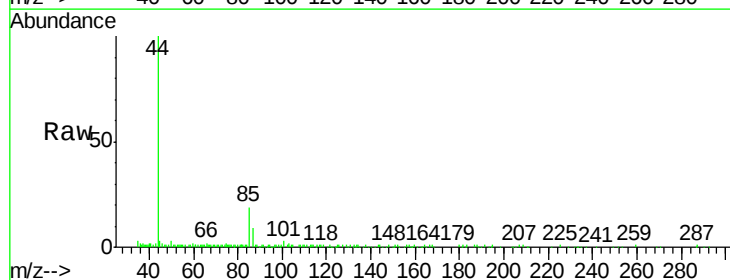
Acq: 22 Aug 2019 08:56

Tgt Ion: 85 Resp: 3180

Ion Ratio Lower Upper

85 100

87 42.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

3000

2500

2000

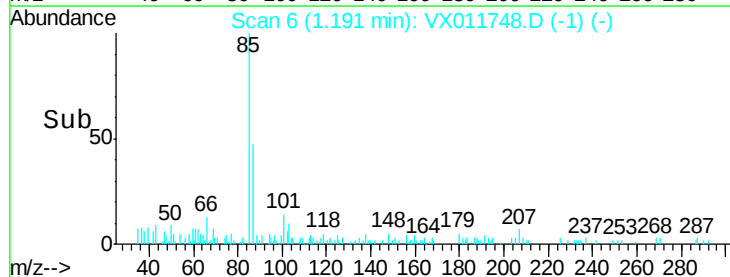
1500

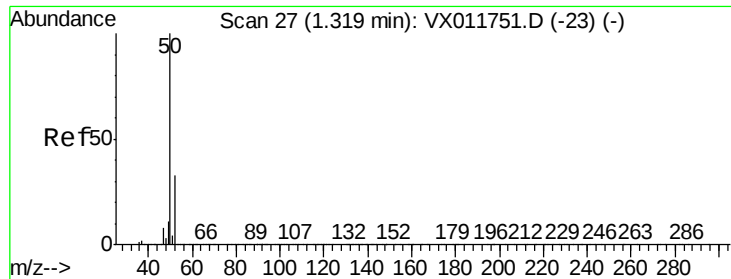
1000

500

0

Time-->





#3

Chloromethane

Concen: 0.875 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 3264

Ion Ratio Lower Upper

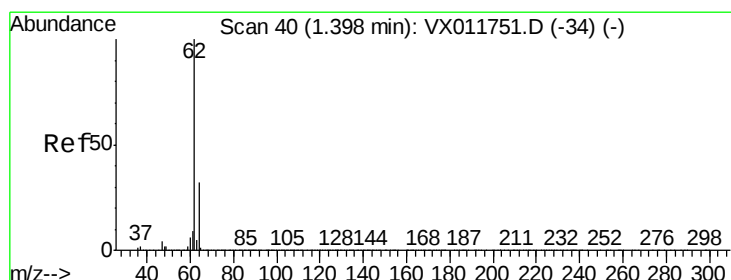
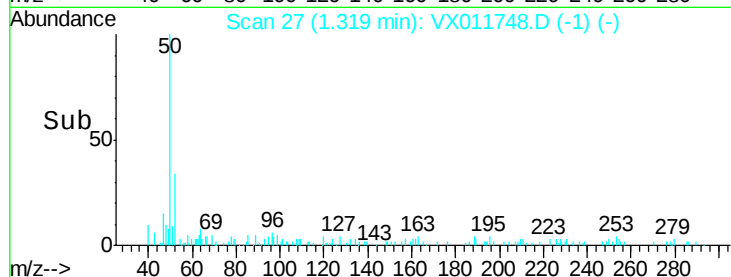
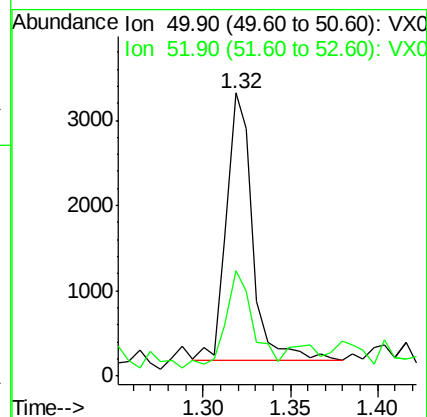
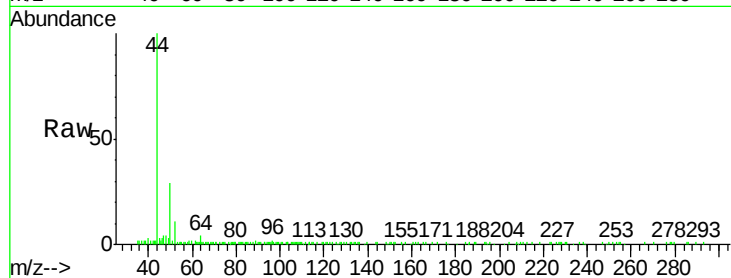
50 100

52 33.9 26.6 39.8

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#4

Vinyl Chloride

Concen: 0.982 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011748.D

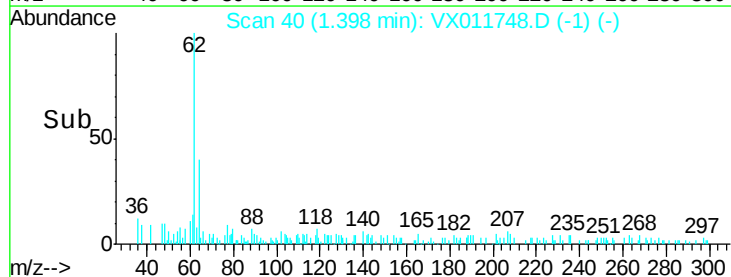
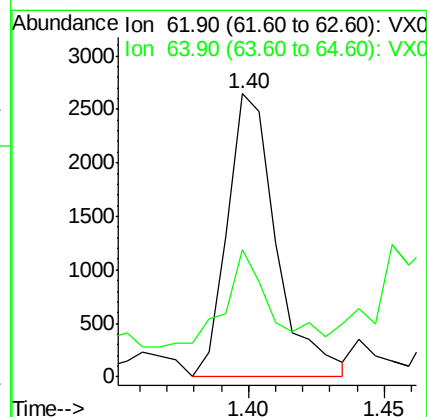
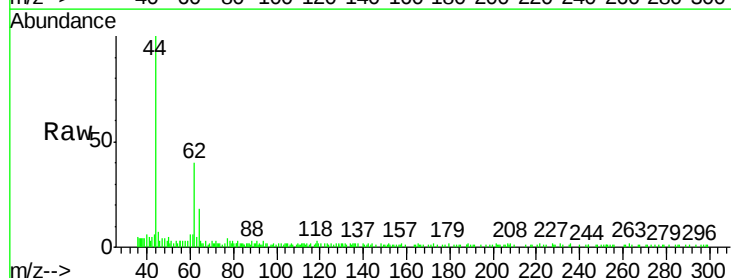
Acq: 22 Aug 2019 08:56

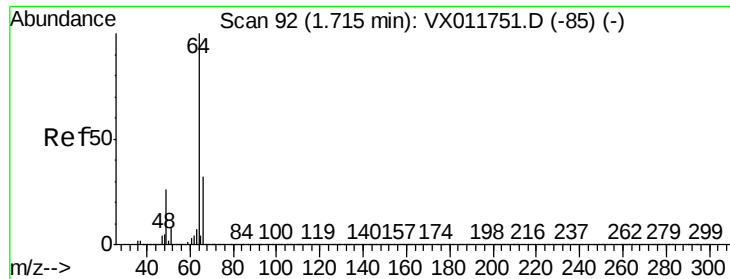
Tgt Ion: 62 Resp: 3306

Ion Ratio Lower Upper

62 100

64 33.3 25.5 38.3





#6

Chloroethane

Concen: 1.178 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Tot Ion: 64 Resp: 1975

Ion Ratio Lower Upper

64 100

66 32.9 24.9 37.3

Instrument :

MSVOA_X

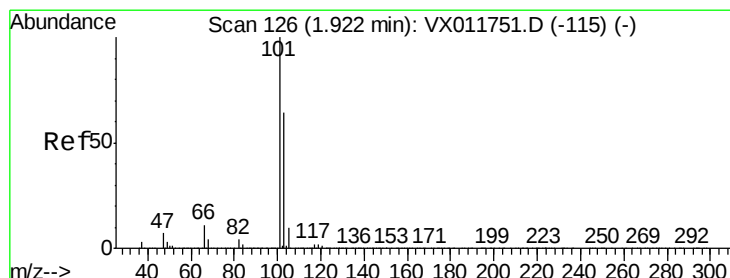
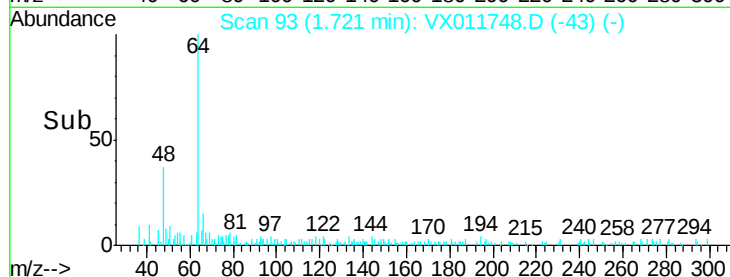
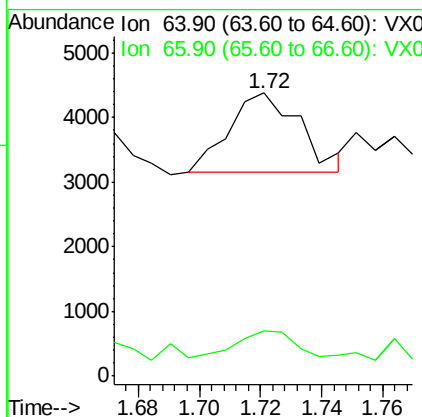
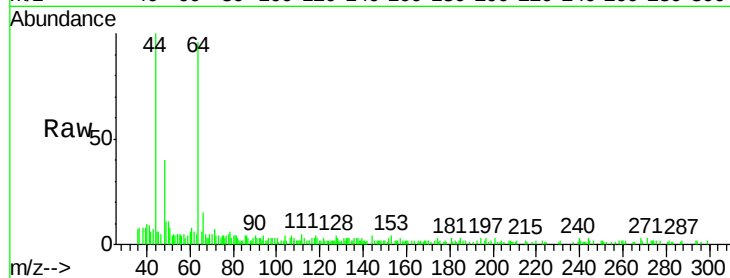
ClientSampleId :

VSTDIC001

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#7

Trichlorofluoromethane

Concen: 1.010 ug/l

RT: 1.93 min Scan# 127

Delta R.T. 0.01 min

Lab File: VX011748.D

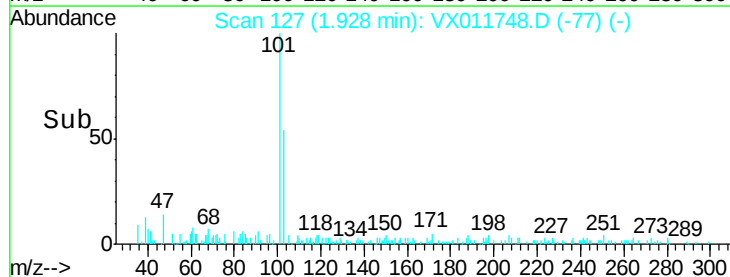
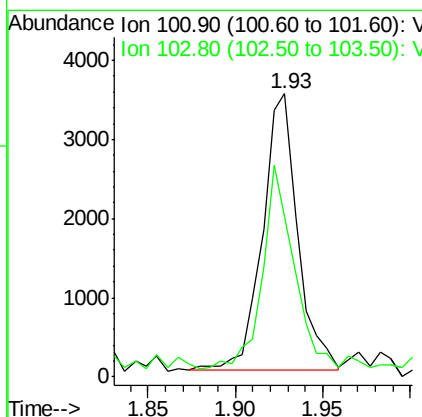
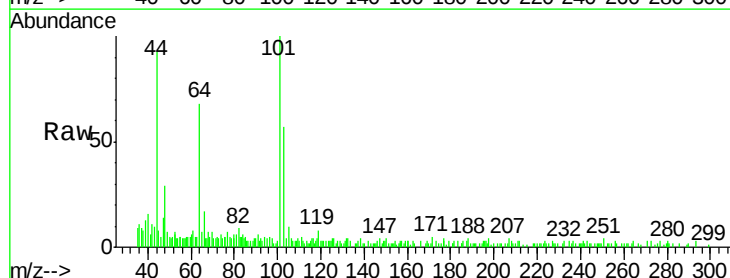
Acq: 22 Aug 2019 08:56

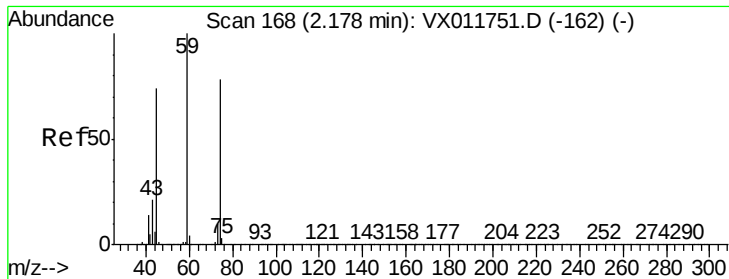
Tgt Ion: 101 Resp: 4846

Ion Ratio Lower Upper

101 100

103 54.9 51.2 76.8





#8

Diethyl Ether

Concen: 1.104 ug/l m

RT: 2.18 min Scan# 169

Delta R.T. 0.01 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 74 Resp: 1800

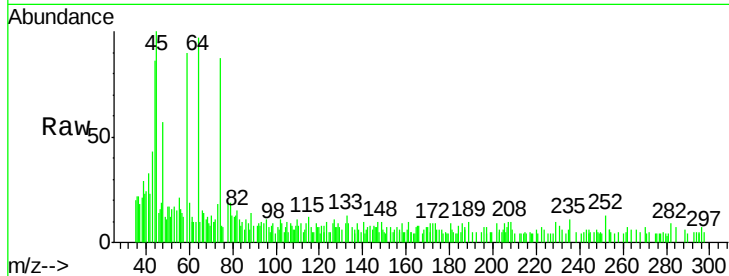
Ion Ratio Lower Upper

74 100

45 18.3 46.7 140.0#

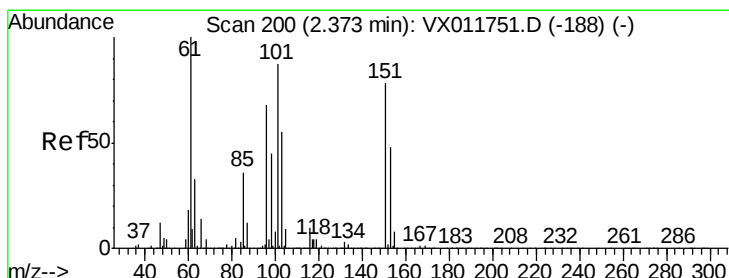
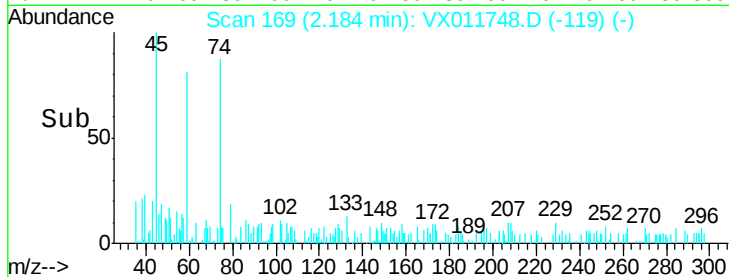
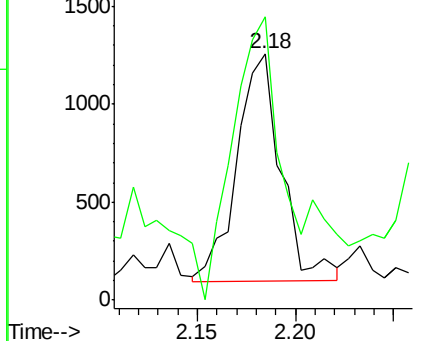
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Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.972 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

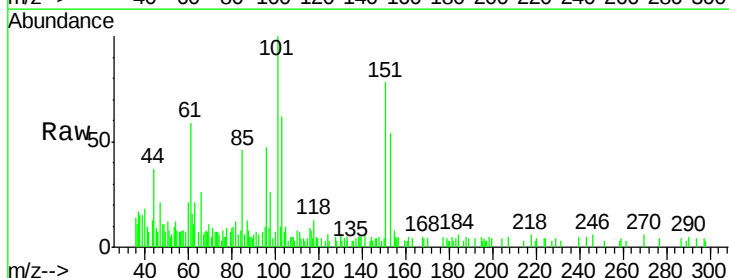
Tgt Ion: 101 Resp: 3173

Ion Ratio Lower Upper

101 100

85 51.2 33.7 50.5#

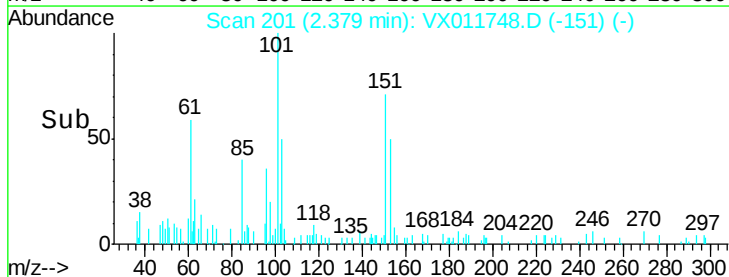
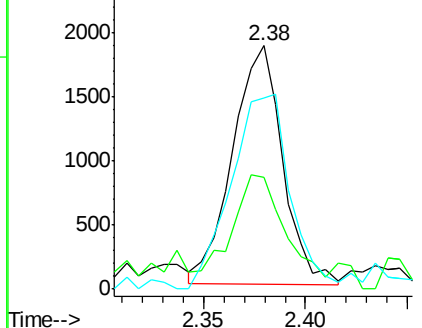
151 96.2 71.4 107.2

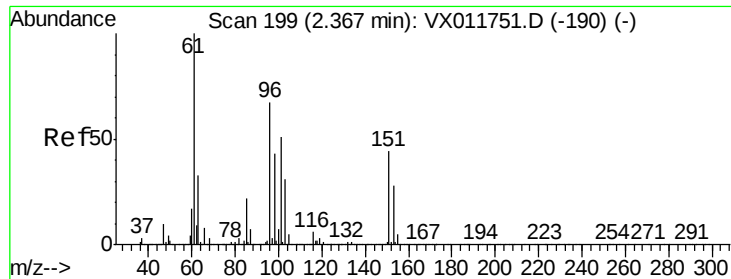


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V





#12

1,1-Dichloroethene

Concen: 1.082 ug/l

RT: 2.37 min Scan# 199

Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Instrument :

MSVOA_X

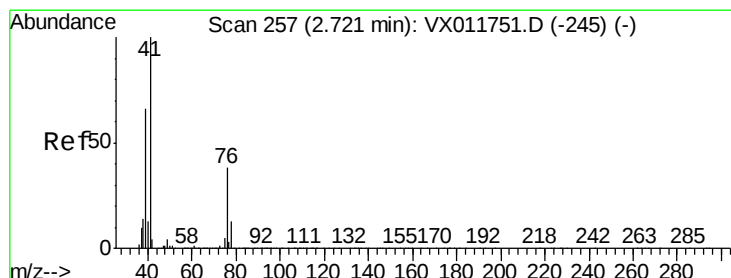
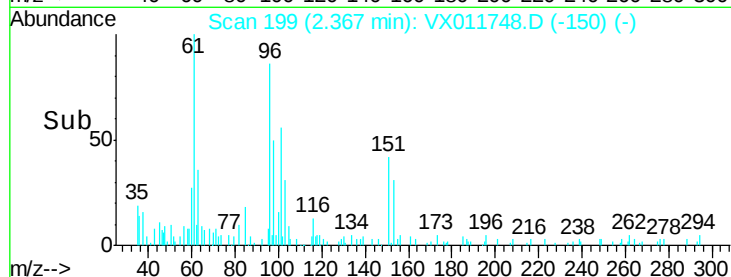
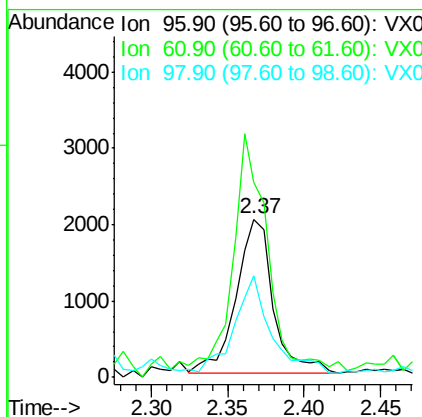
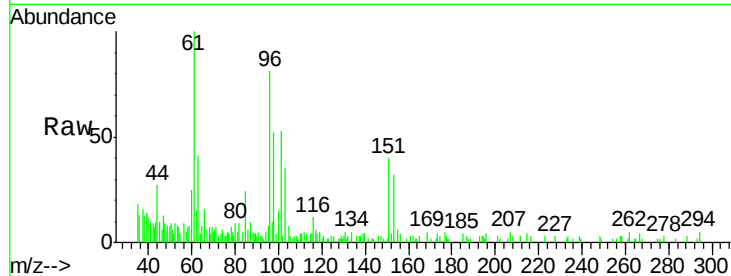
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	3404
Ion	Ratio	Lower	Upper
96	100		
61	119.3	119.4	179.2#
98	63.4	51.2	76.8

Manual Integrations
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#14

Allyl chloride

Concen: 0.843 ug/l

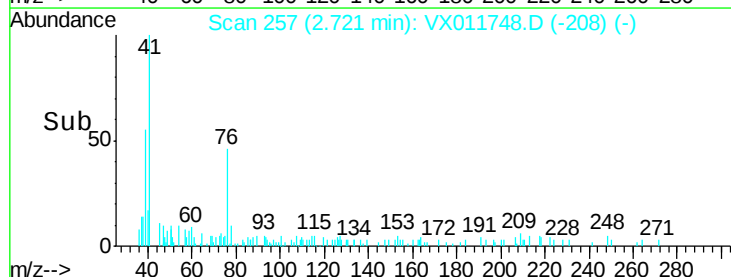
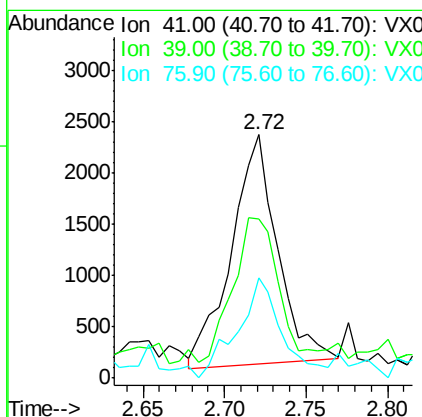
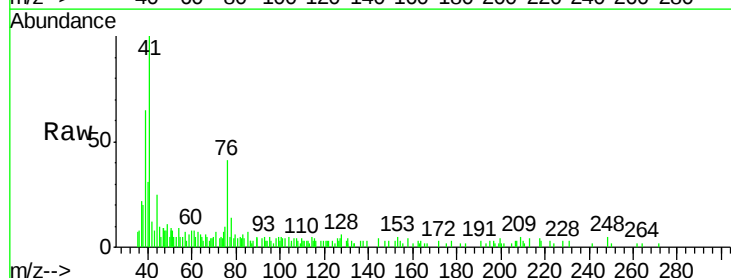
RT: 2.72 min Scan# 257

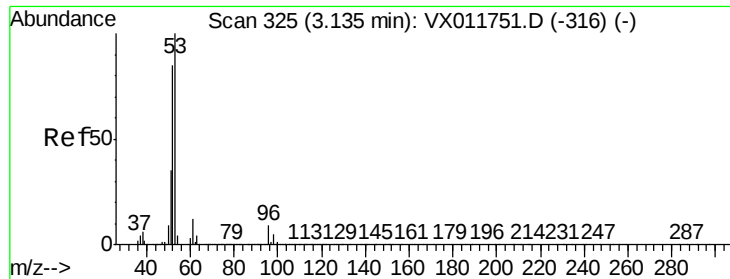
Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Tgt Ion:	41	Resp:	4399
Ion	Ratio	Lower	Upper
41	100		
39	62.7	49.3	73.9
76	42.5	26.8	40.2#





#15

Acrylonitrile

Concen: 4.291 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Instrument :

MSVOA_X

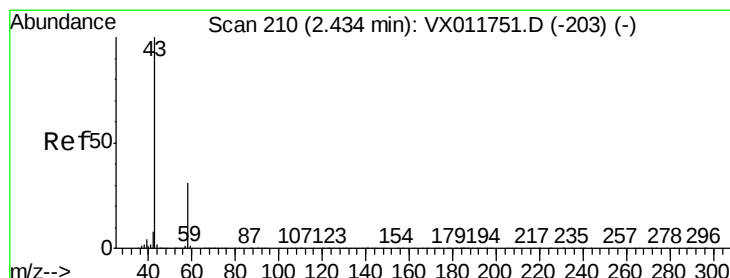
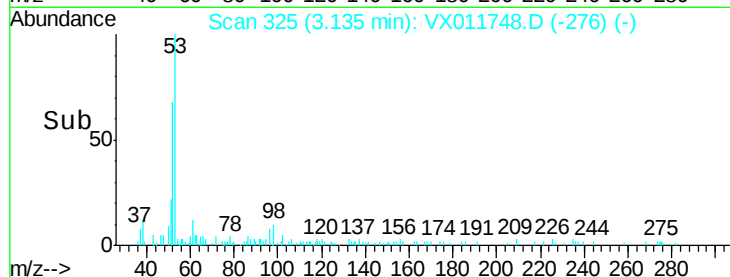
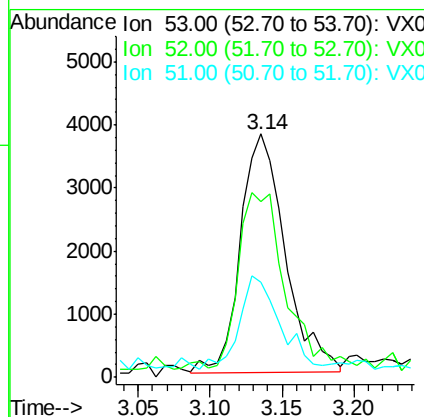
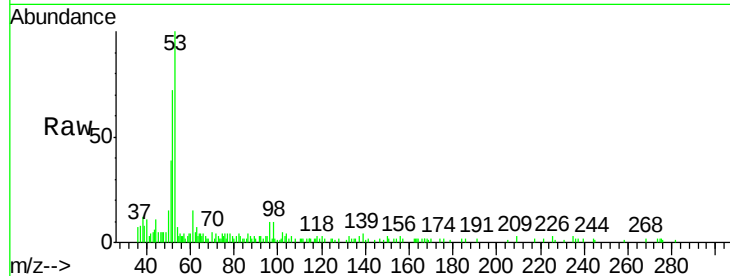
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	8192
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.7	98.5
51	35.0	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 4.946 ug/l

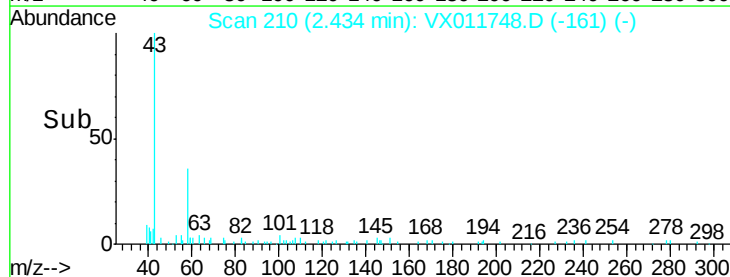
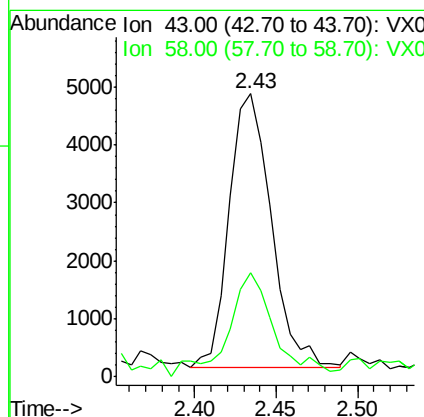
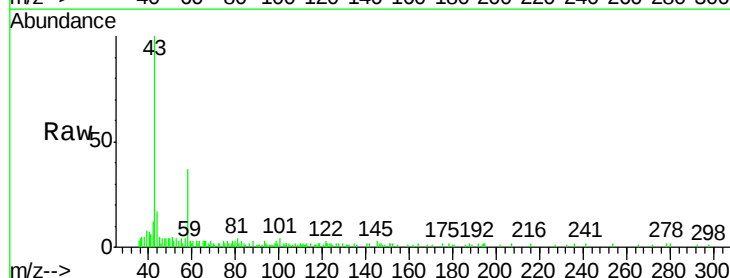
RT: 2.43 min Scan# 210

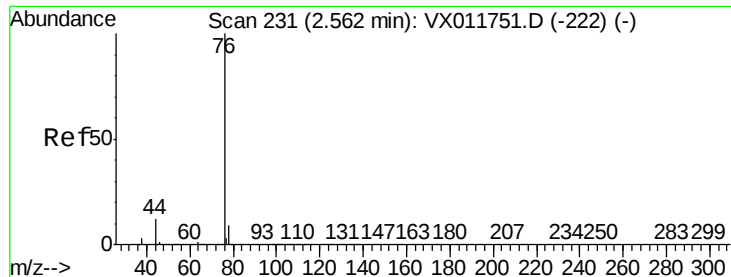
Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Tgt Ion:	43	Resp:	8567
Ion	Ratio	Lower	Upper
43	100		
58	33.2	24.4	36.6





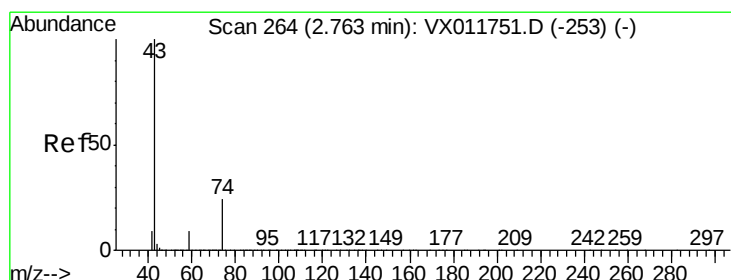
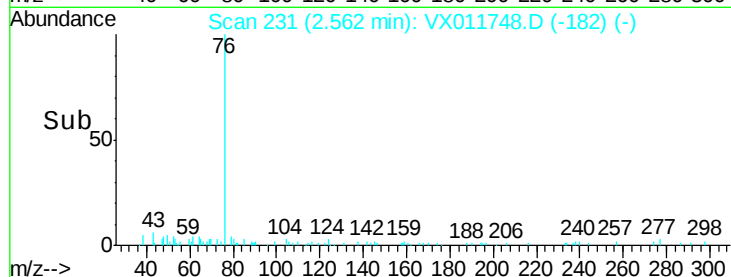
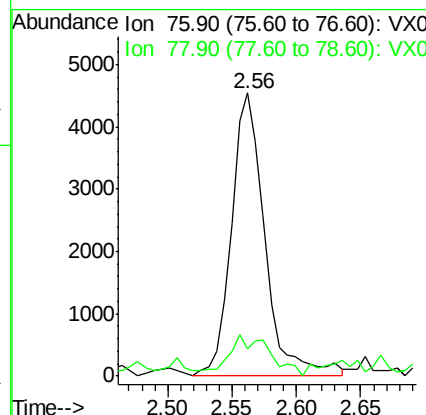
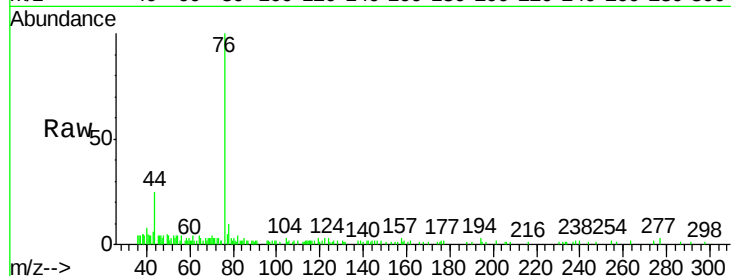
#17
Carbon Disulfide
Concen: 1.096 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011748.D
Acq: 22 Aug 2019 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.6	7.4	11.0

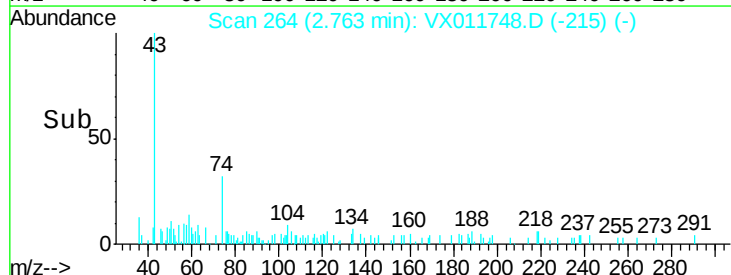
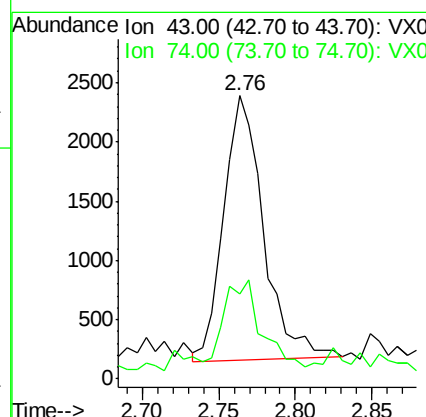
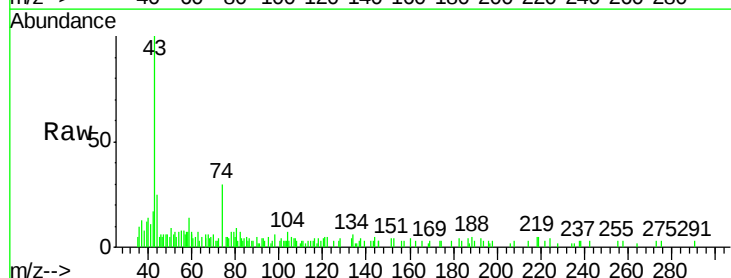
Manual Integrations
APPROVED

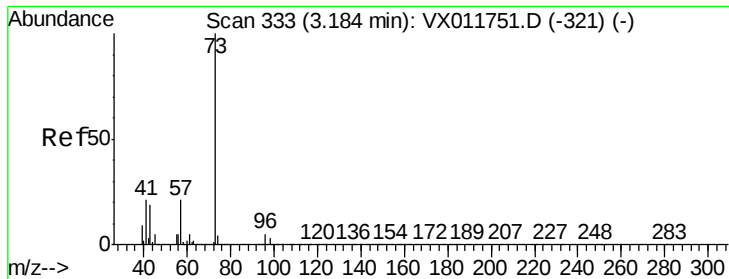
MMDadoda
8/23/2019 1:55:37 PM



#18
Methyl Acetate
Concen: 0.768 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011748.D
Acq: 22 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	30.6	19.5	29.3





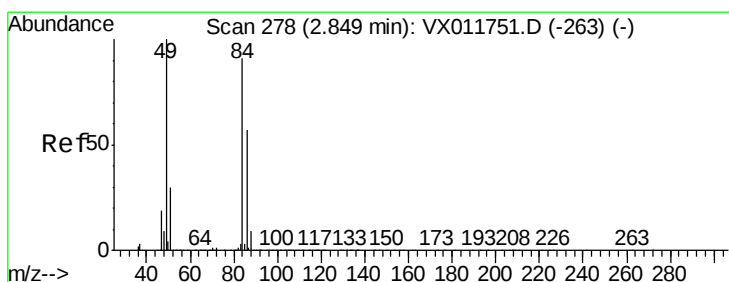
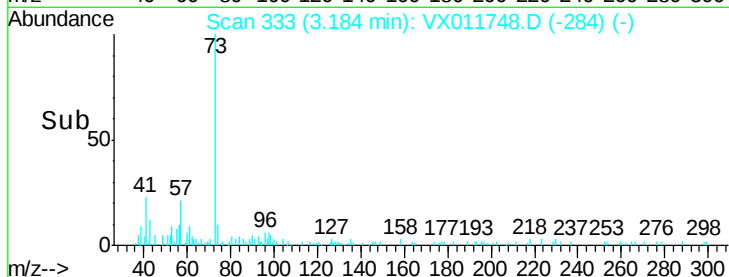
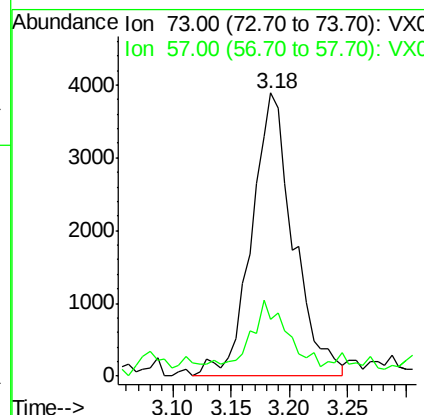
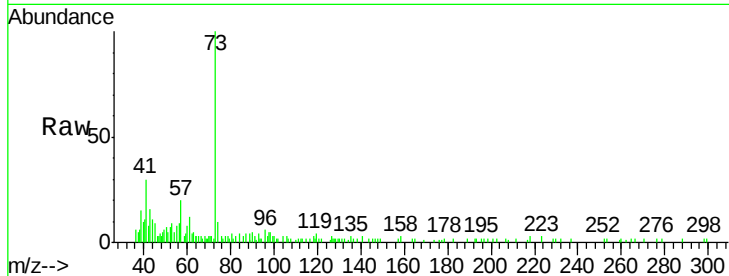
#19
Methvl tert-butvl Ether
Concen: 0.950 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011748.D
Acq: 22 Aug 2019 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
73	100		
57	15.6	16.4	24.6#

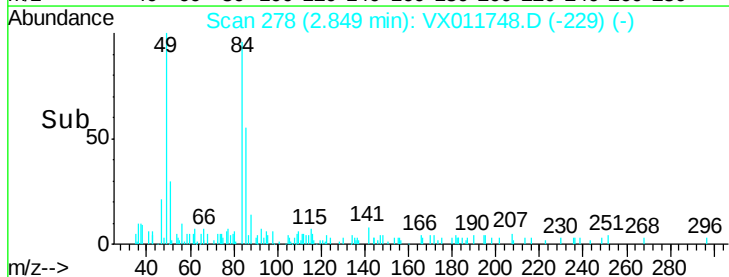
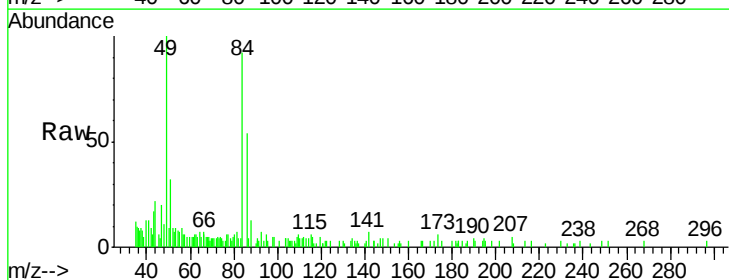
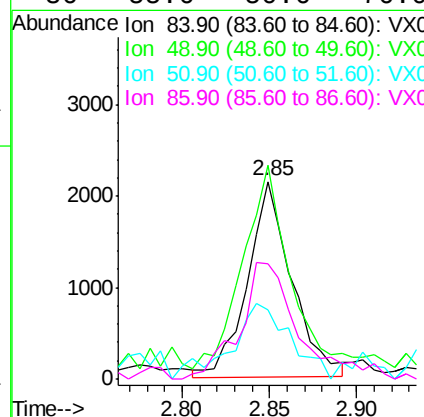
Manual Integrations
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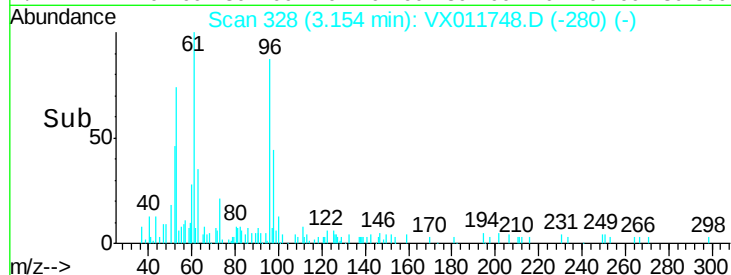
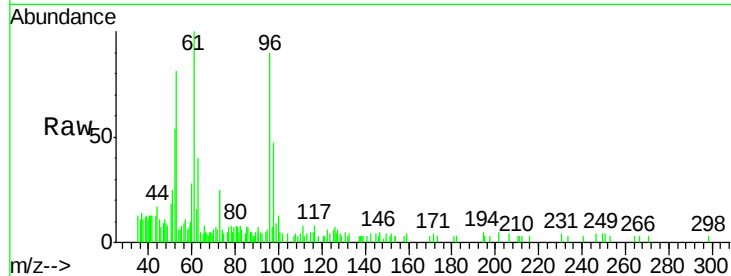
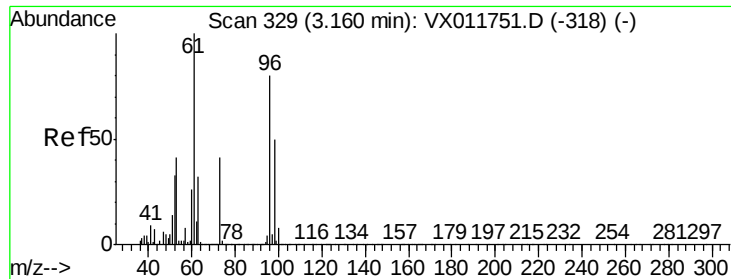
MMDadoda
8/23/2019 1:55:37 PM



#20
Methylene Chloride
Concen: 1.038 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011748.D
Acq: 22 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.5	88.3	132.5
51	27.9	26.2	39.2
86	55.6	50.6	76.0





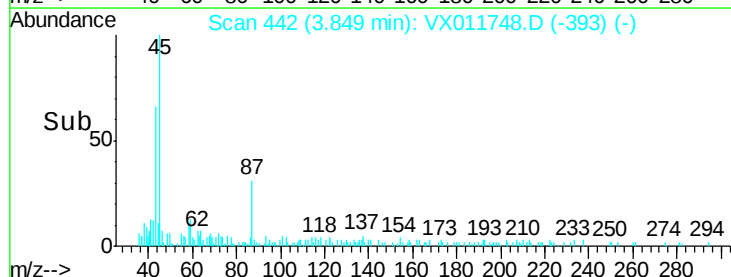
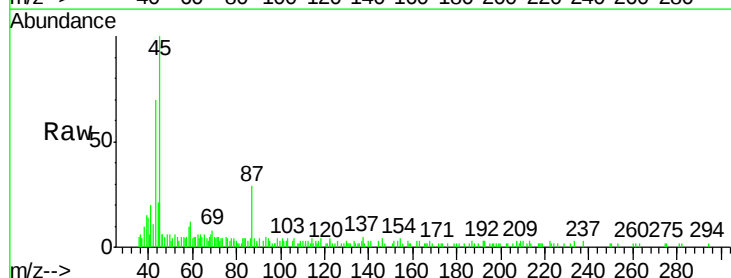
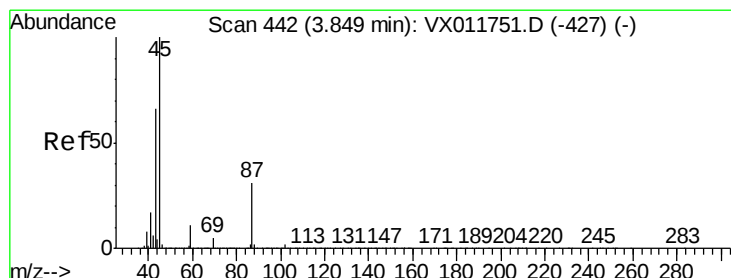
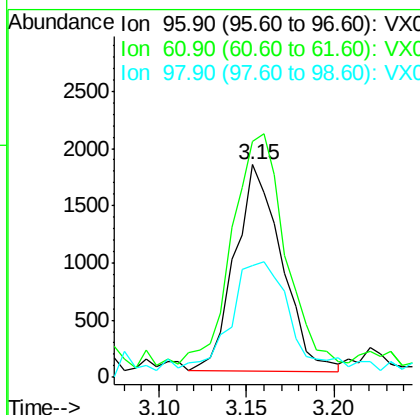
#21
trans-1,2-Dichloroethene
Concen: 0.998 ug/l
RT: 3.15 min Scan# 328
Delta R.T. -0.01 min
Lab File: VX011748.D
Acq: 22 Aug 2019 08:56

Tot Ion	Ratio	Lower	Upper
96	100		
61	107.4	99.8	149.8
98	47.0	50.3	75.5#

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

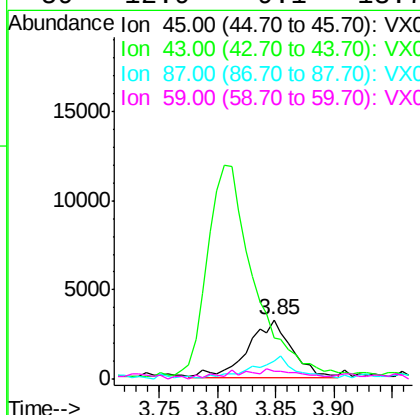
Manual Integrations
APPROVED

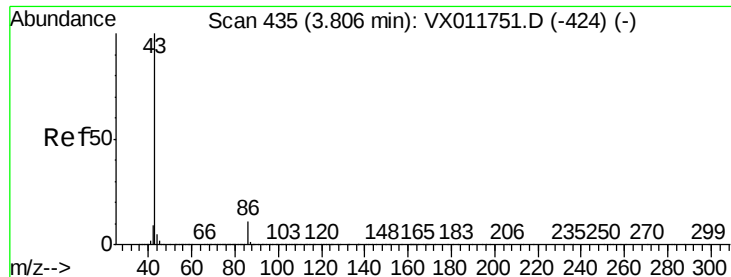
MMDadoda
8/23/2019 1:55:37 PM



#22
Diisopropyl ether
Concen: 0.817 ug/l
RT: 3.85 min Scan# 442
Delta R.T. 0.00 min
Lab File: VX011748.D
Acq: 22 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.5	53.0	79.6
87	27.6	24.7	37.1
59	12.9	9.1	13.7





#23

Vinyl Acetate

Concen: 3.952 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 43 Resp: 32419

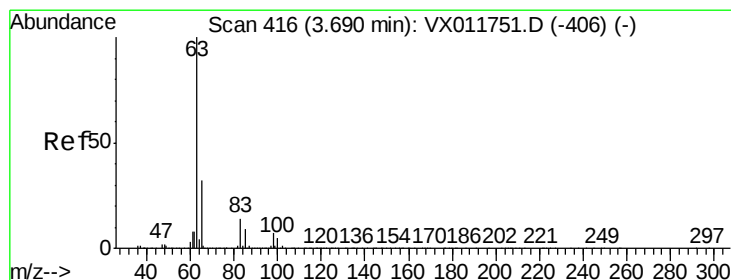
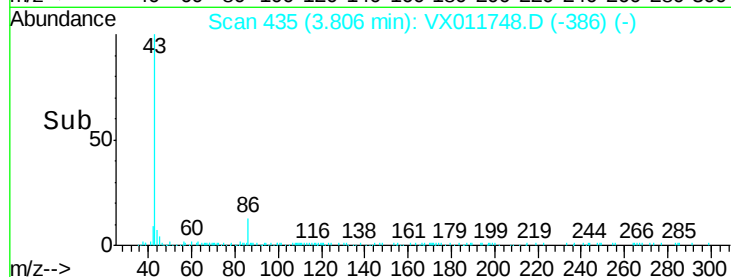
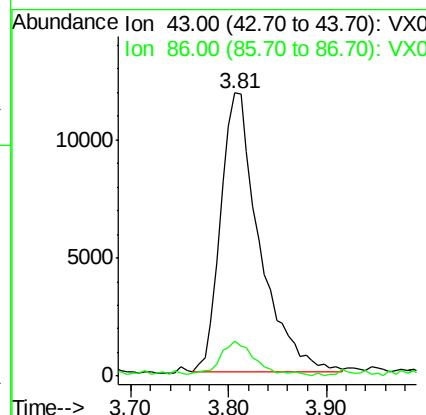
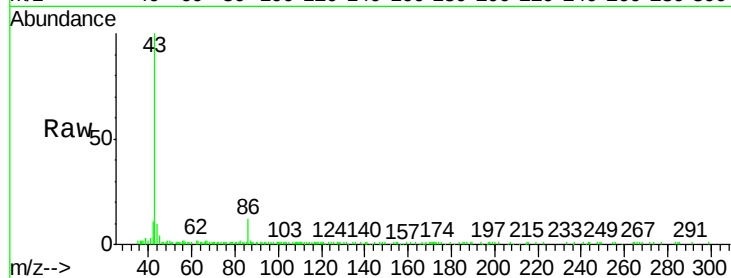
Ion Ratio Lower Upper

43 100

86 11.6 9.2 13.8

Manual Integrations
APPROVED

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8/23/2019 1:55:37 PM



#24

1,1-Dichloroethane

Concen: 0.901 ug/l

RT: 3.68 min Scan# 415

Delta R.T. -0.01 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

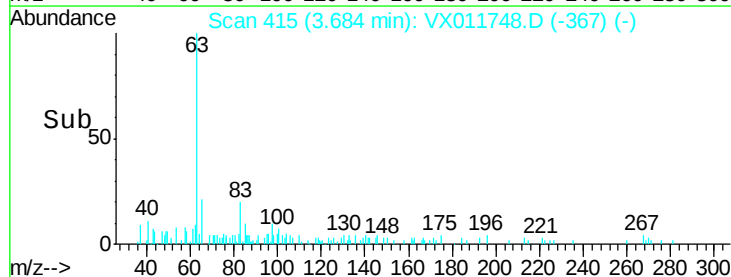
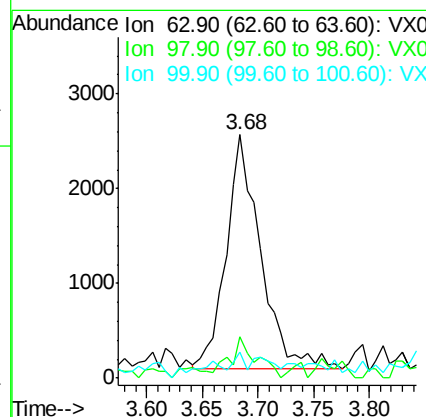
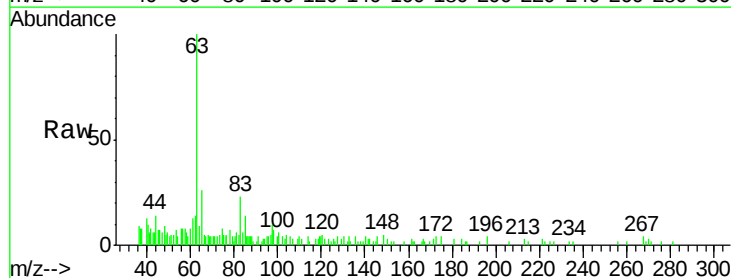
Tgt Ion: 63 Resp: 5298

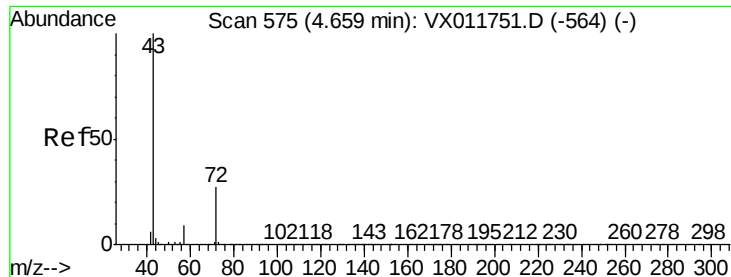
Ion Ratio Lower Upper

63 100

98 13.3 3.7 11.1#

100 8.6 2.3 6.9#





#25

2-Butanone

Concen: 4.044 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.01 min

Lab File: VX011748.D

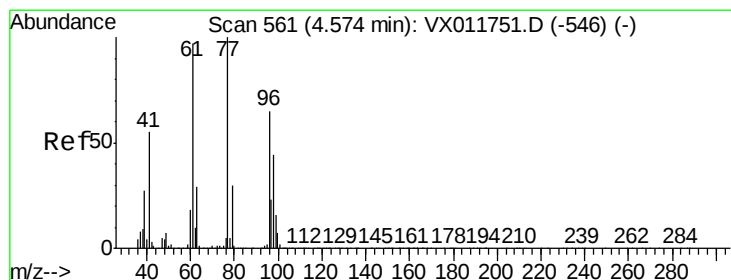
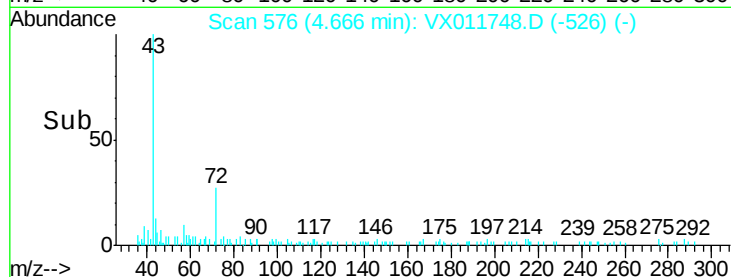
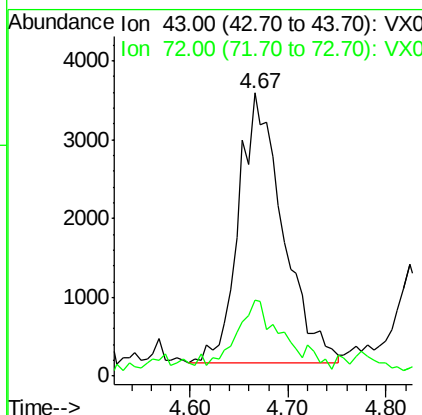
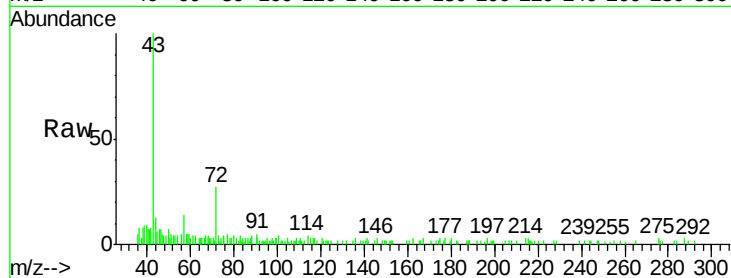
Acq: 22 Aug 2019 08:56

Tot Ion:	43	Resp:	10771
Ion Ratio	Lower	Upper	
43	100		
72	23.2	21.8	32.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 1.091 ug/l

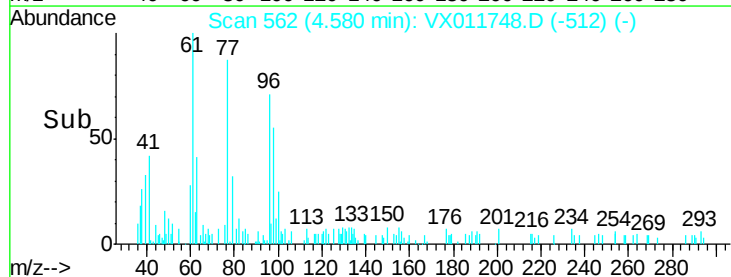
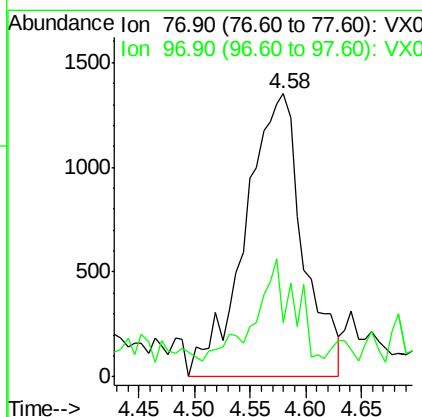
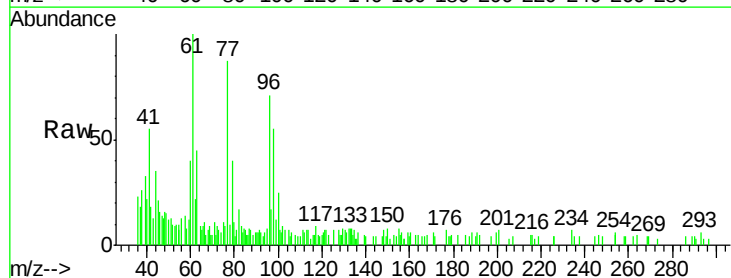
RT: 4.58 min Scan# 562

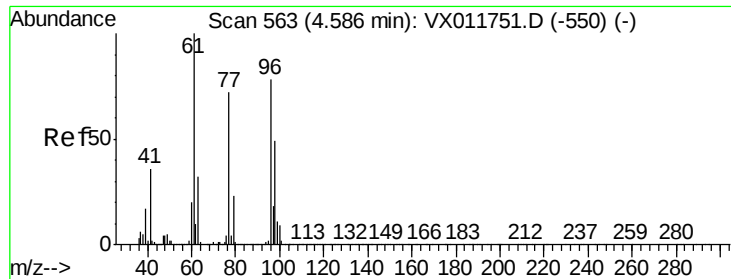
Delta R.T. 0.01 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Tgt Ion:	77	Resp:	4899
Ion Ratio	Lower	Upper	
77	100		
97	23.6	12.2	36.6





#27

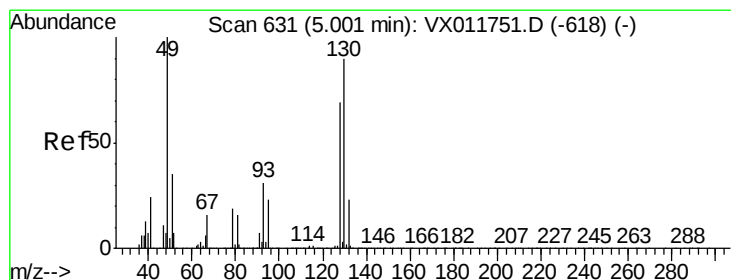
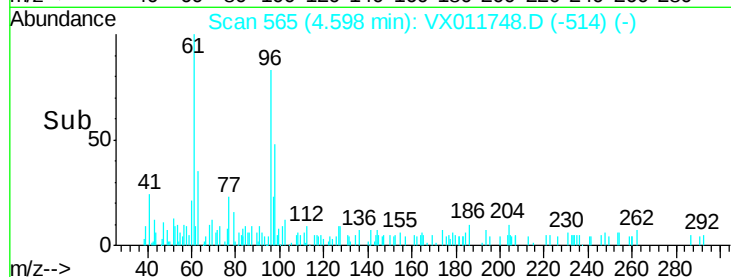
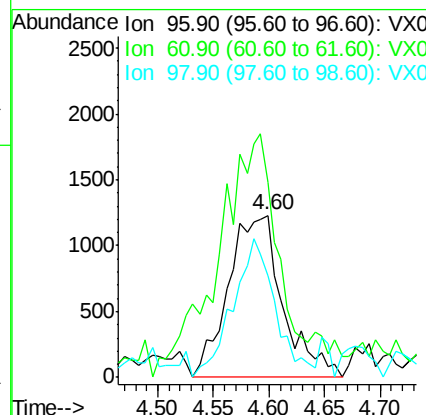
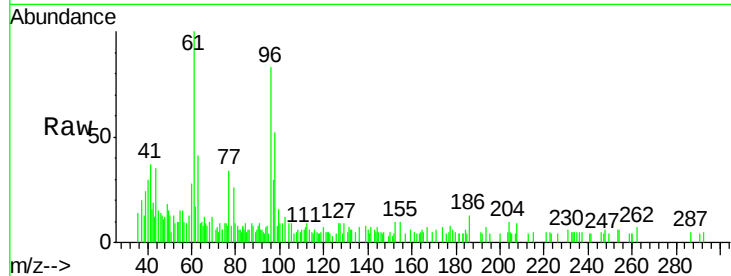
cis-1,2-Dichloroethene
Concen: 1.079 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX011748.D
Acq: 22 Aug 2019 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.1	0.0	275.8
98	65.8	0.0	128.2

Manual Integrations
APPROVED

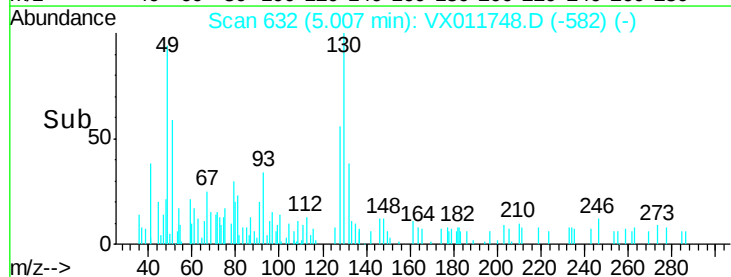
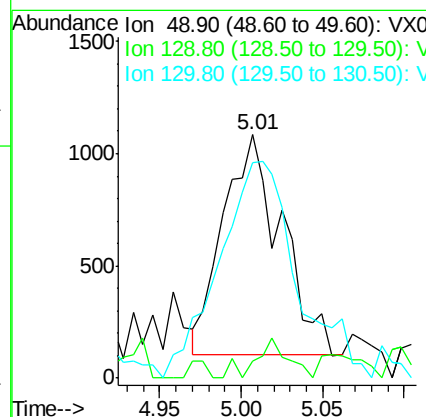
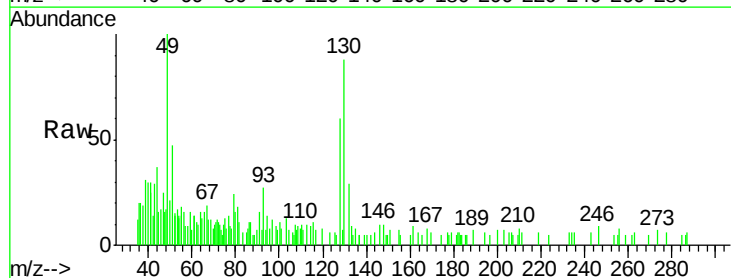
MMDadoda
8/23/2019 1:55:37 PM

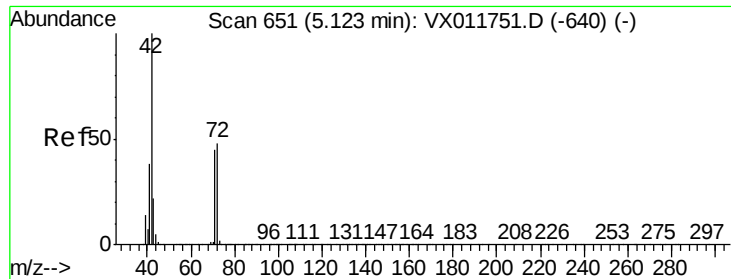


#28

Bromochloromethane
Concen: 0.934 ug/l
RT: 5.01 min Scan# 632
Delta R.T. 0.01 min
Lab File: VX011748.D
Acq: 22 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	10.1	0.0	5.8#
130	132.5	76.8	115.2#





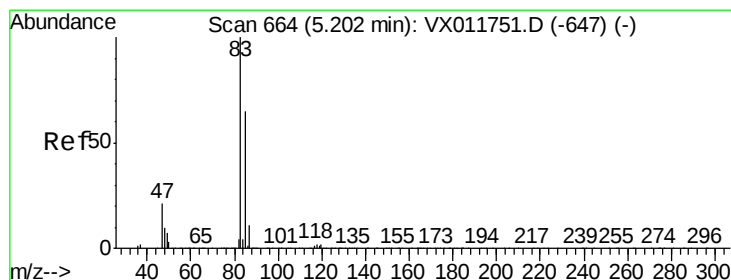
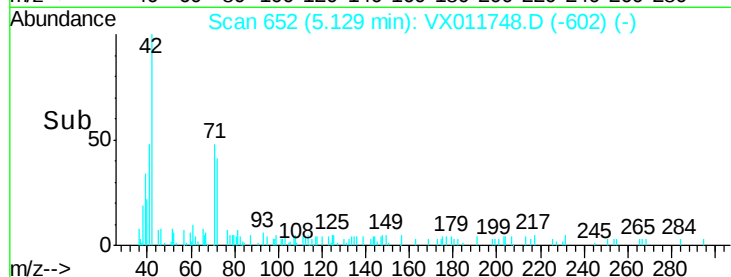
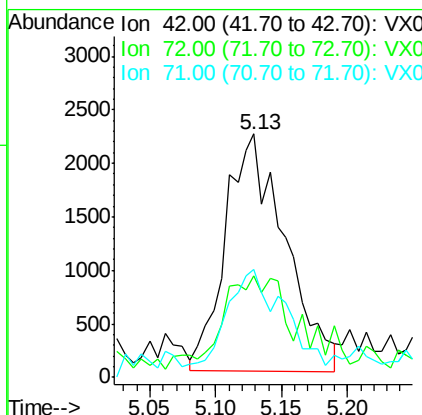
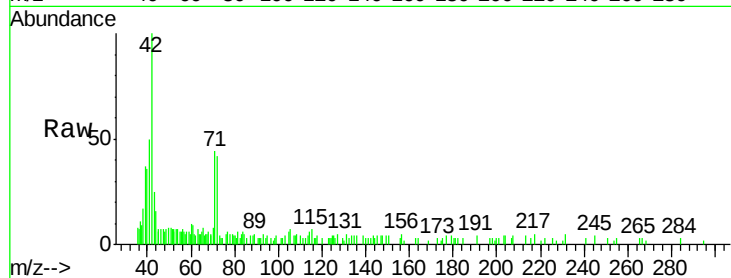
#29
Tetrahydrofuran
Concen: 4.006 ug/l m
RT: 5.13 min Scan# 652
Delta R.T. 0.01 min
Lab File: VX011748.D
Acq: 22 Aug 2019 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	2.4	37.6	56.4#
71	2.6	34.6	51.8#

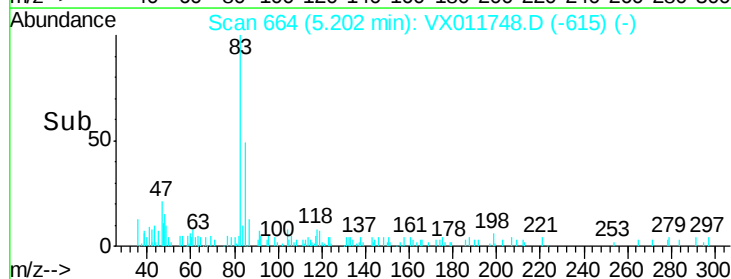
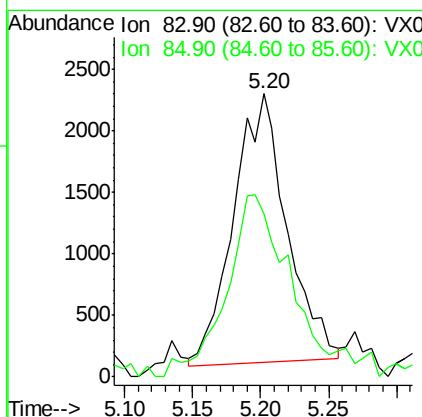
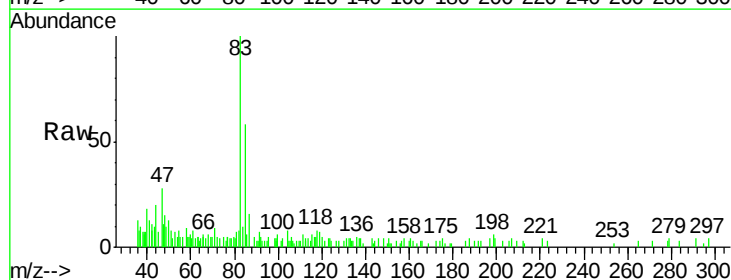
Manual Integrations
APPROVED

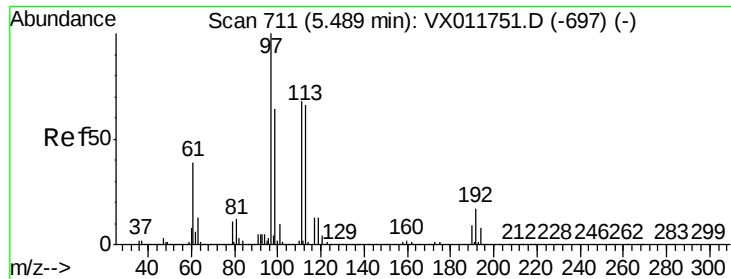
MMDadoda
8/23/2019 1:55:37 PM



#30
Chloroform
Concen: 0.969 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011748.D
Acq: 22 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.3	51.8	77.8





#32

1,1,1-Trichloroethane

Concen: 0.827 ug/l

RT: 5.48 min Scan# 710

Delta R.T. -0.01 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Instrument :

MSVOA_X

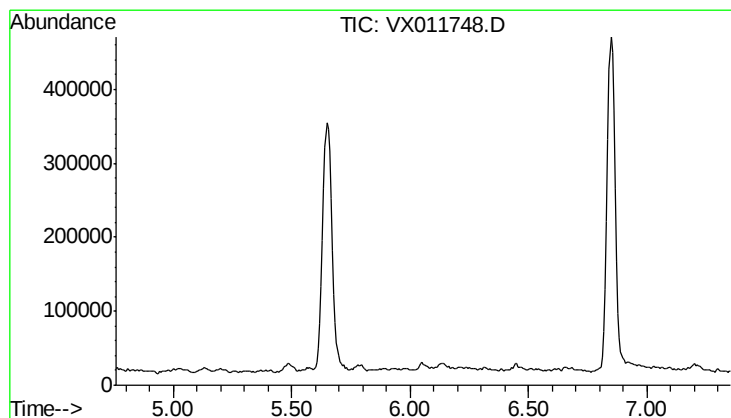
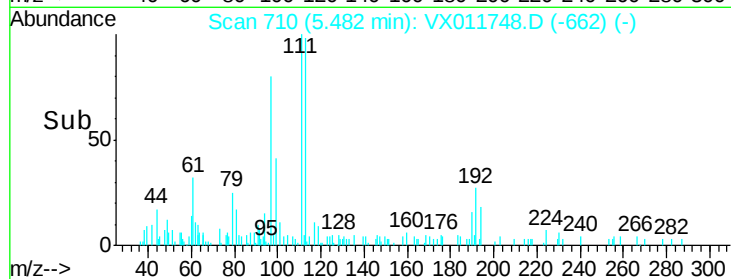
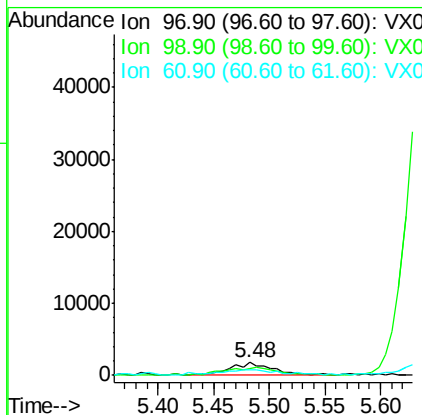
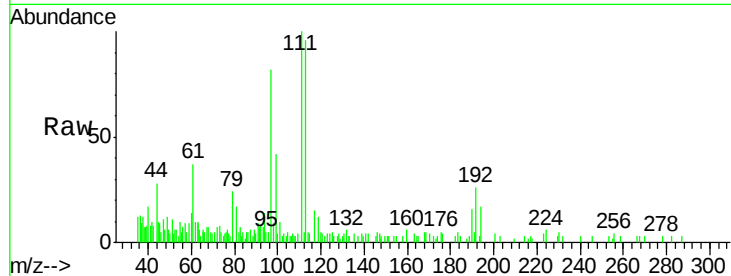
ClientSampleId :

VSTDIC001

Tot Ion:	97	Resp:	4435
Ion Ratio	Lower	Upper	
97	100		
99	0.0	51.4	77.0#
61	34.0	31.6	47.4

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:37 PM



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 6.06 min

Lab File: VX011748.D

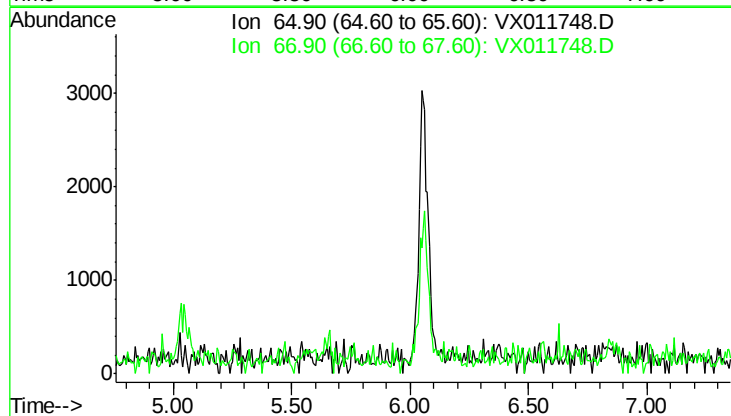
Acq: 22 Aug 2019 08:56

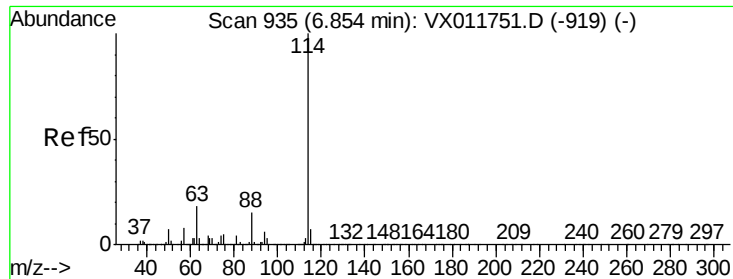
Tgt Ion: 65

Sig Exp Ratio

65 100

67 53.9





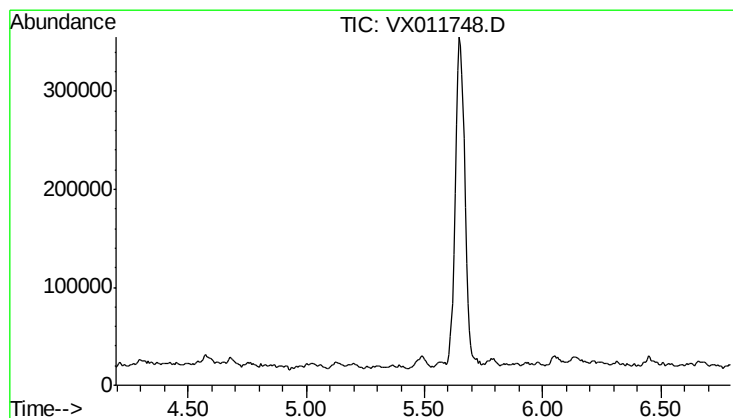
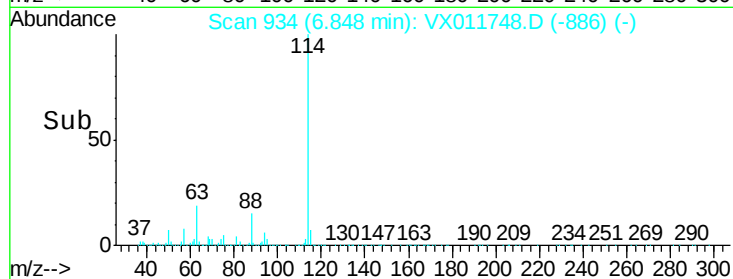
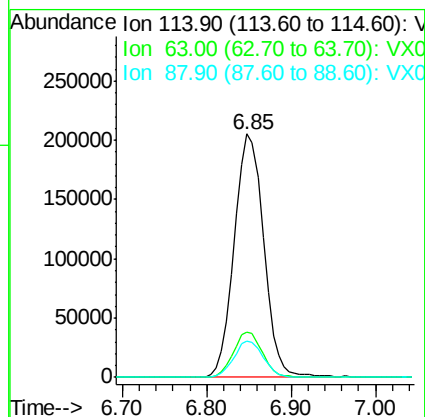
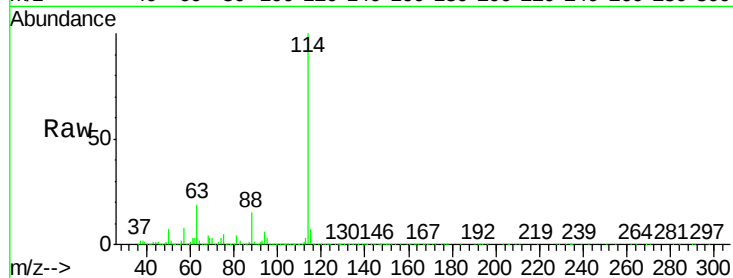
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 934
Delta R.T. -0.01 min
Lab File: VX011748.D
Acq: 22 Aug 2019 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	18.7	0.0	36.8
88	14.7	0.0	30.2

Manual Integrations
APPROVED

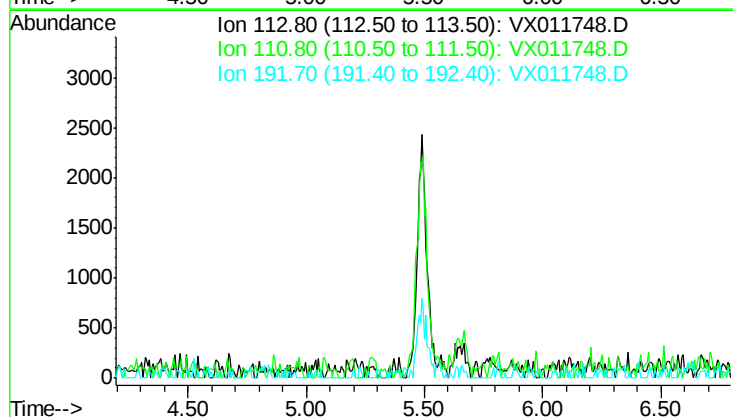
MMDadoda
8/23/2019 1:55:37 PM

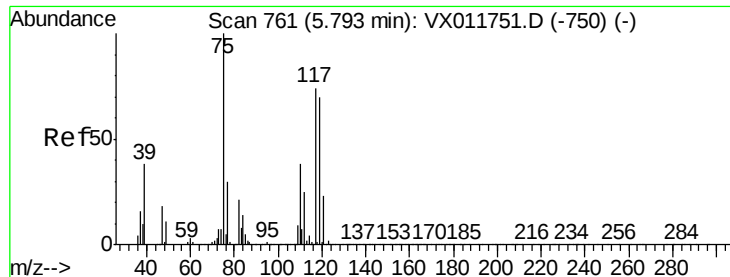


#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.49 min

Lab File: VX011748.D
Acq: 22 Aug 2019 08:56

Tgt Ion	Exp Ratio
113	100
111	101.2
192	24.9





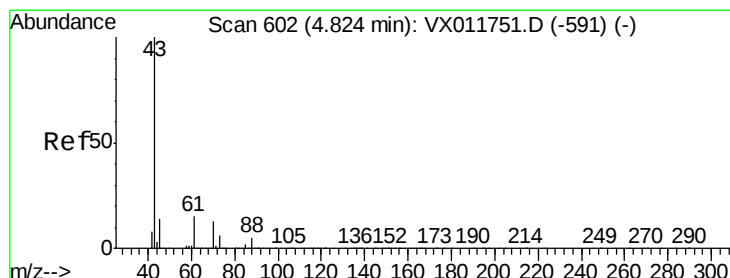
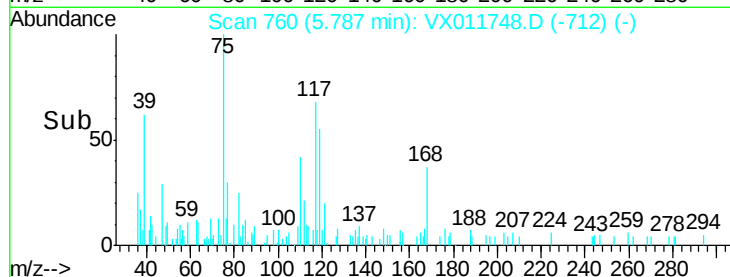
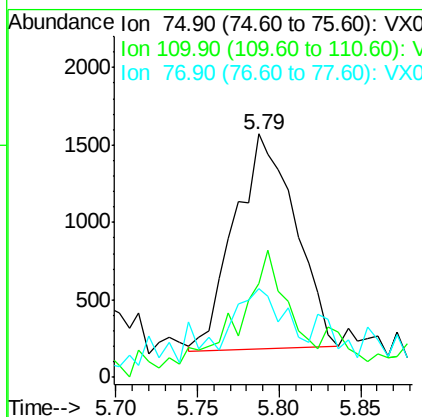
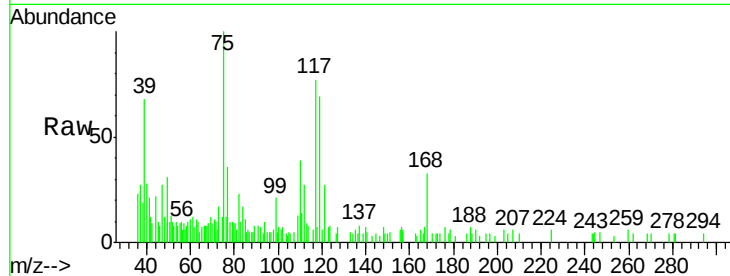
#36
 1,1-Dichloropropene
 Concen: 0.873 ug/l
 RT: 5.79 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: VX011748.D
 Acq: 22 Aug 2019 08:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	45.3	19.0	57.0
77	31.5	24.6	36.8

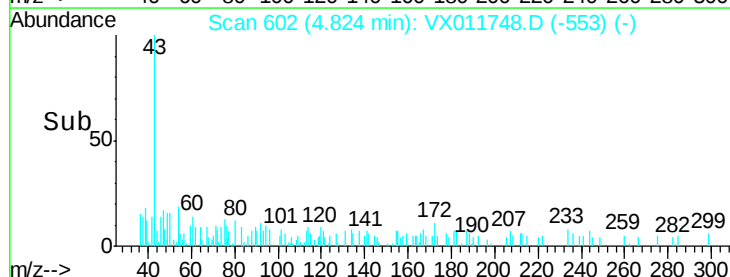
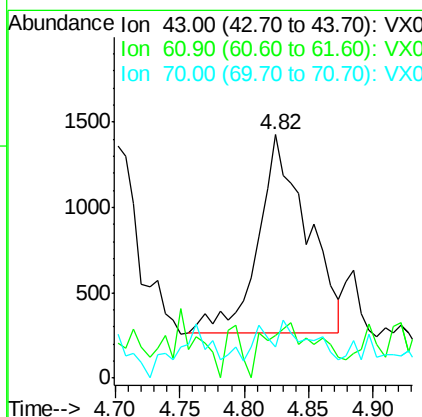
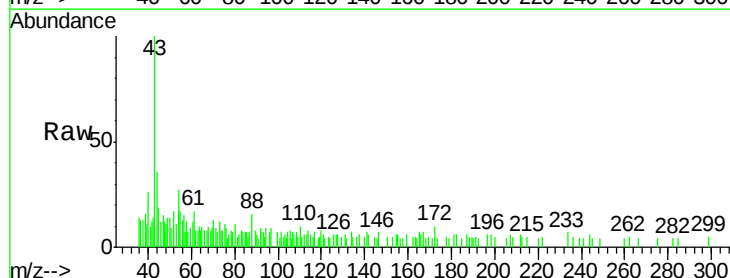
Manual Integrations
 APPROVED

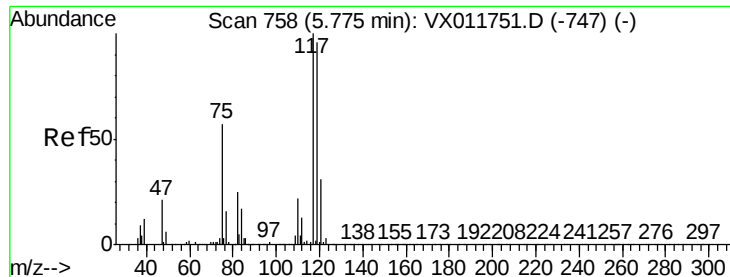
MMDadoda
 8/23/2019 1:55:37 PM



#37
 Ethyl Acetate
 Concen: 0.653 ug/l
 RT: 4.82 min Scan# 602
 Delta R.T. 0.00 min
 Lab File: VX011748.D
 Acq: 22 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
43	100		
61	31.4	11.5	17.3#
70	13.4	9.5	14.3





#38

Carbon Tetrachloride

Concen: 1.028 ug/l

RT: 5.78 min Scan# 758

Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Instrument :

MSVOA_X

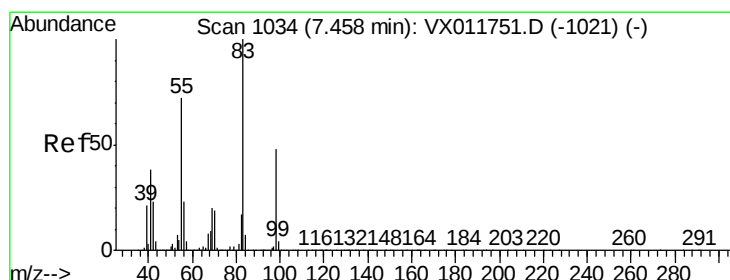
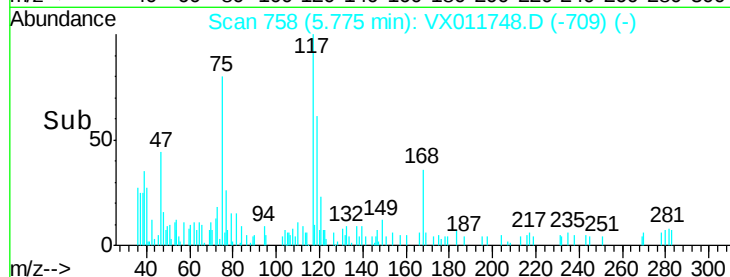
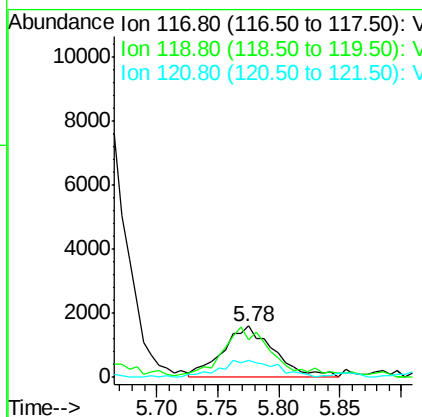
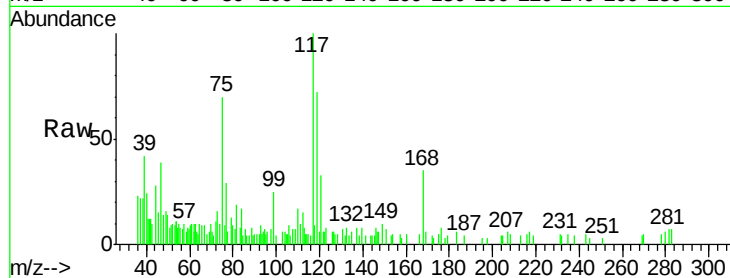
ClientSampleId :

VSTDIC001

Tot Ion:	117	Resp:	4659
Ion	Ratio	Lower	Upper
117	100		
119	64.1	76.6	114.8#
121	28.5	25.2	37.8

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:37 PM



#39

Methylcyclohexane

Concen: 0.934 ug/l

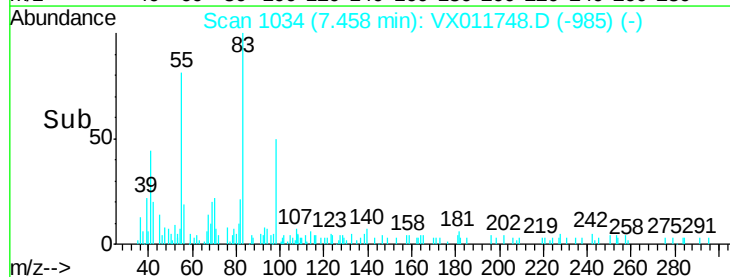
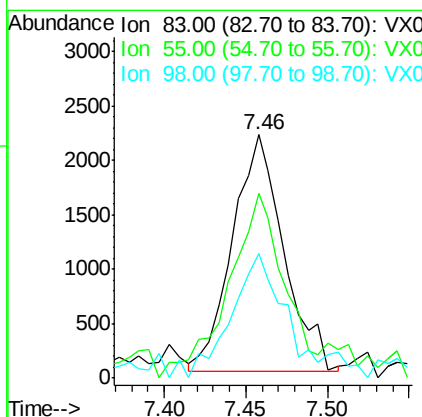
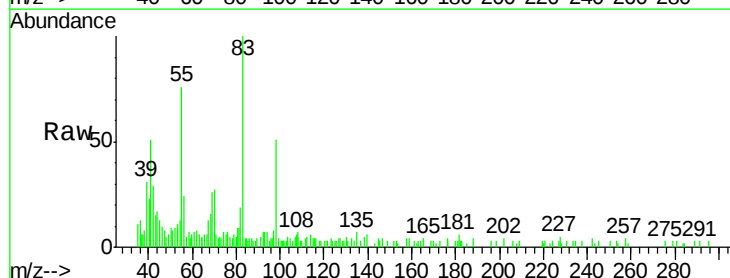
RT: 7.46 min Scan# 1034

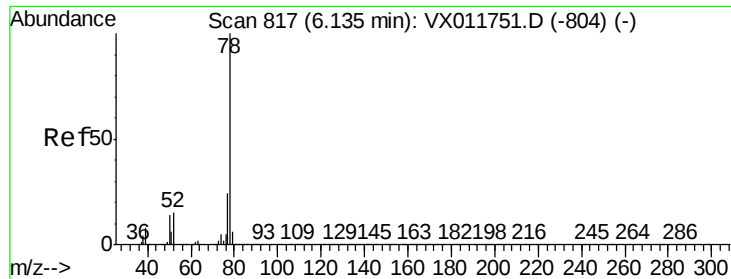
Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Tgt Ion:	83	Resp:	4778
Ion	Ratio	Lower	Upper
83	100		
55	72.0	57.8	86.6
98	53.6	38.6	58.0





#40

Benzene

Concen: 1.031 ug/l

RT: 6.13 min Scan# 817

Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 13119

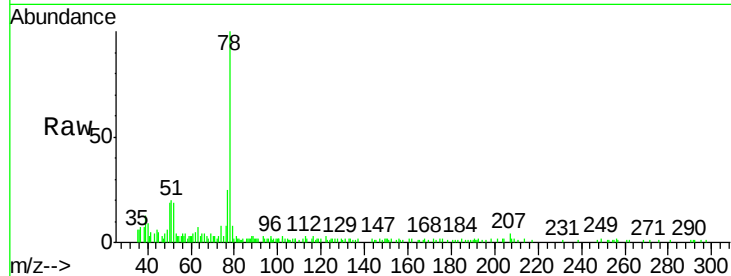
Ion Ratio Lower Upper

78 100

77 22.6 19.1 28.7

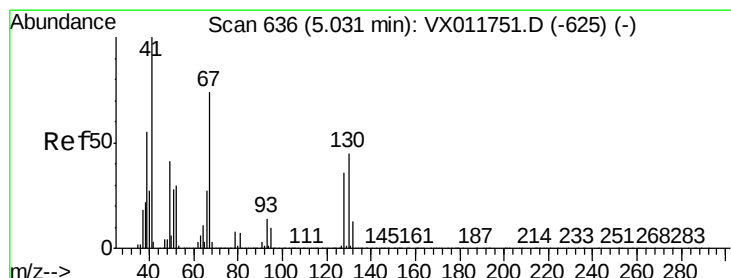
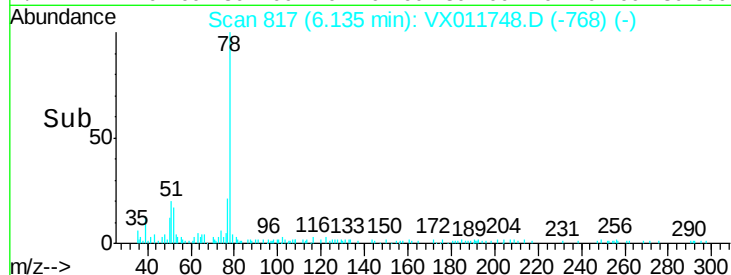
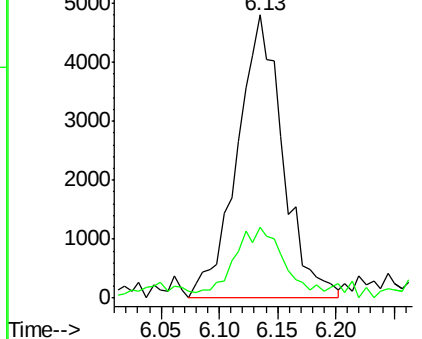
Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:37 PM



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#41

Methacrylonitrile

Concen: 1.044 ug/l m

RT: 5.04 min Scan# 637

Delta R.T. 0.01 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Tgt Ion: 41 Resp: 2681

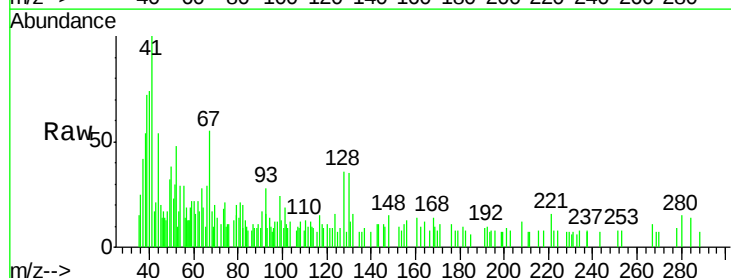
Ion Ratio Lower Upper

41 100

39 81.9 44.3 66.5#

67 22.6 60.3 90.5#

52 9.3 24.0 36.0#

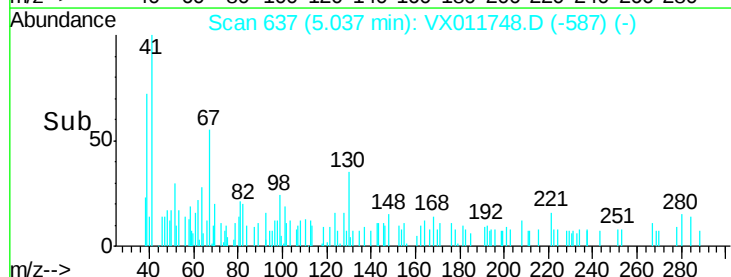
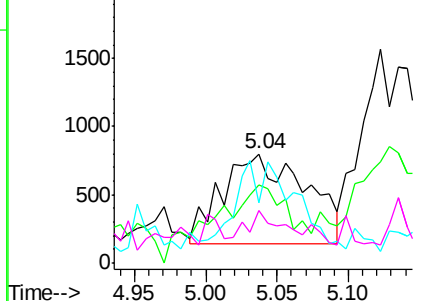


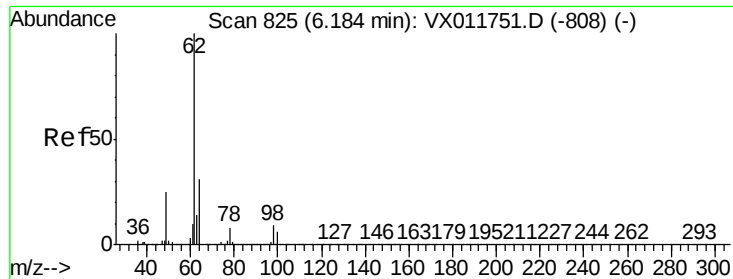
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#42

1,2-Dichloroethane

Concen: 1.109 ug/l

RT: 6.18 min Scan# 825

Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Instrument :

MSVOA_X

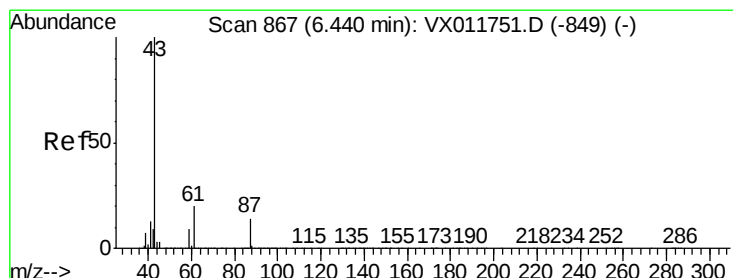
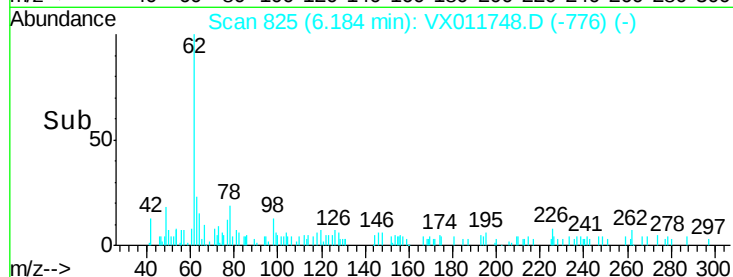
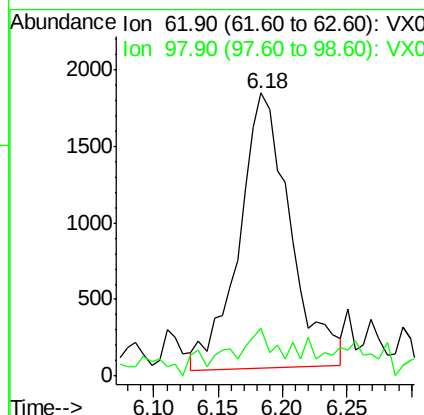
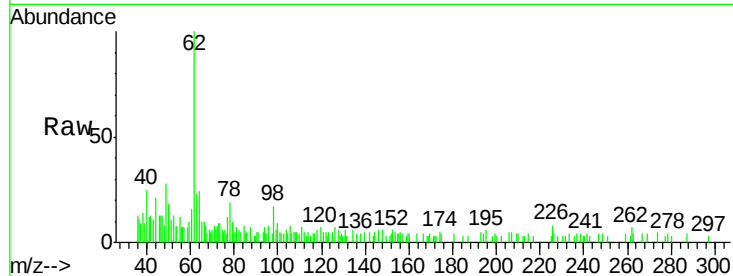
ClientSampleId :

VSTDIC001

Tot Ion:	62	Resp:	4935
Ion Ratio	Lower	Upper	
62	100		
98	9.2	0.0	18.8

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:37 PM



#43

Isopropyl Acetate

Concen: 0.912 ug/l

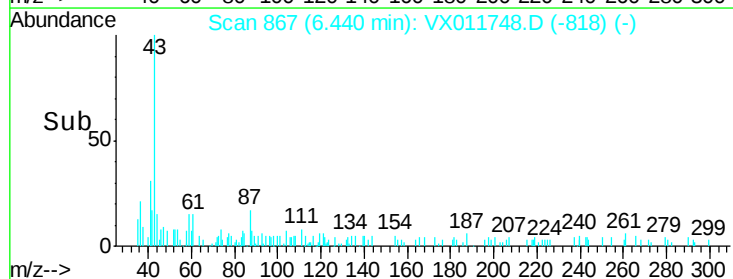
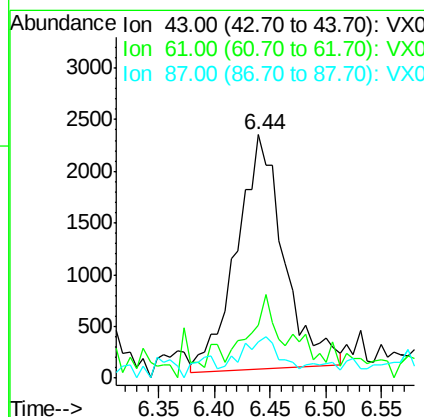
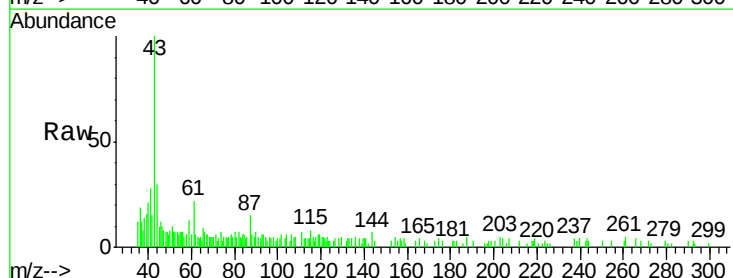
RT: 6.44 min Scan# 867

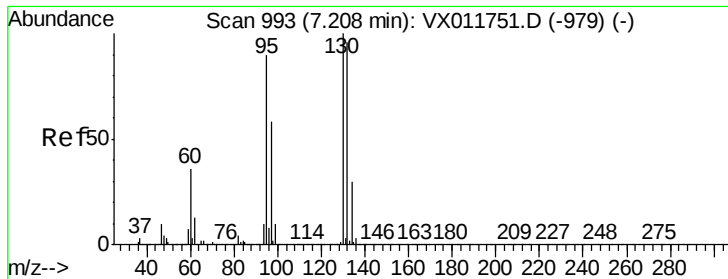
Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Tgt Ion:	43	Resp:	6697
Ion Ratio	Lower	Upper	
43	100		
61	14.3	16.2	24.2#
87	9.6	11.6	17.4#





#44

Trichloroethene

Concen: 1.045 ug/l

RT: 7.20 min Scan# 992

Delta R.T. -0.01 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 3981

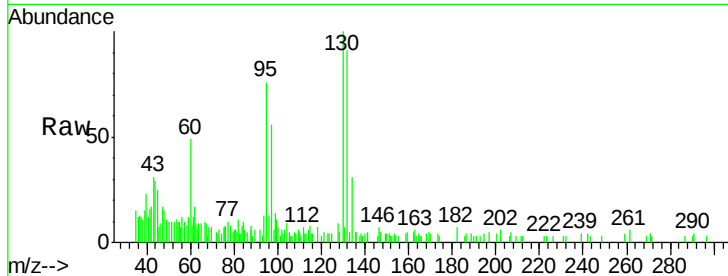
Ion Ratio Lower Upper

130 100

95 71.3 0.0 179.0

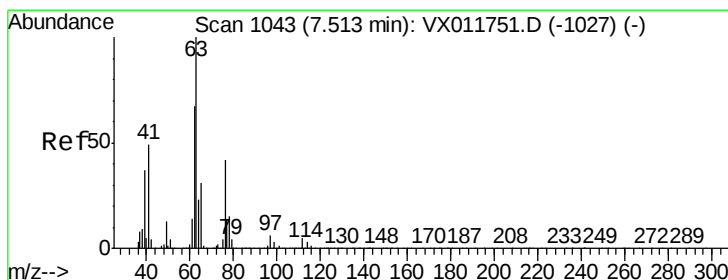
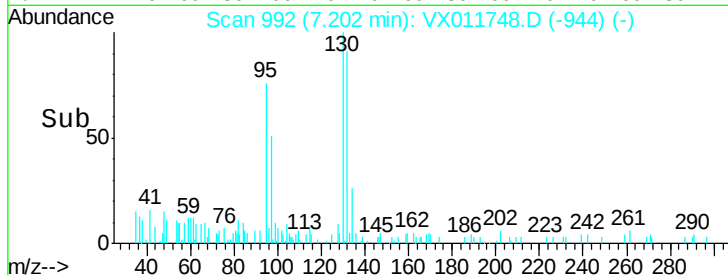
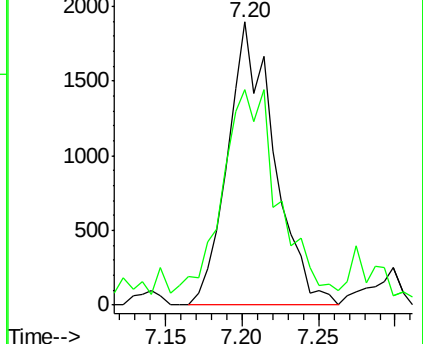
Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:37 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#45

1,2-Dichloropropane

Concen: 1.025 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX011748.D

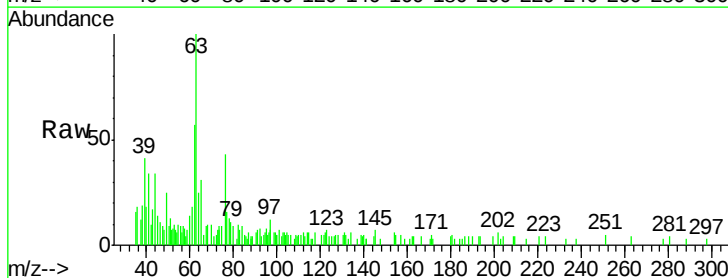
Acq: 22 Aug 2019 08:56

Tgt Ion: 63 Resp: 3254

Ion Ratio Lower Upper

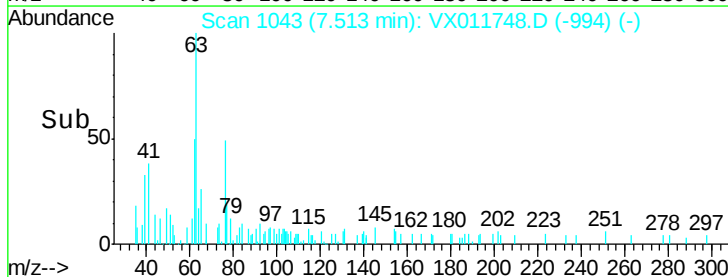
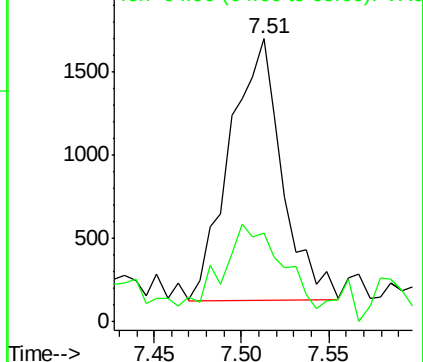
63 100

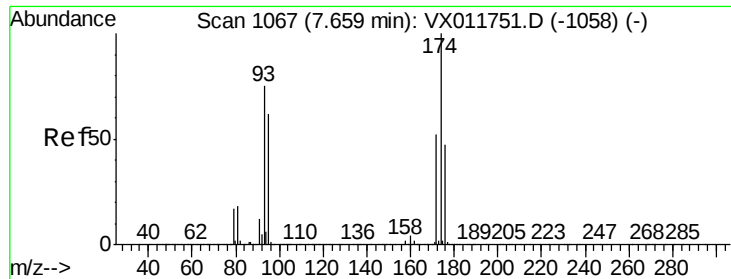
65 25.6 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





#46

Dibromomethane

Concen: 1.047 ug/l

RT: 7.65 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Instrument :

MSVOA_X

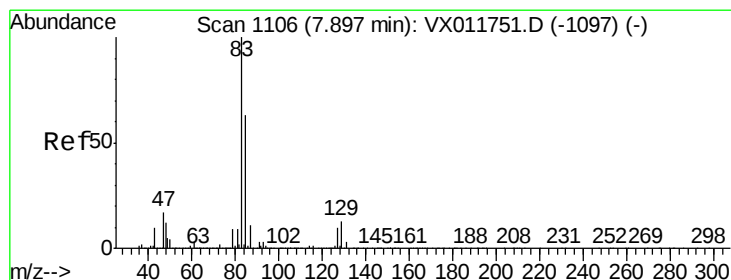
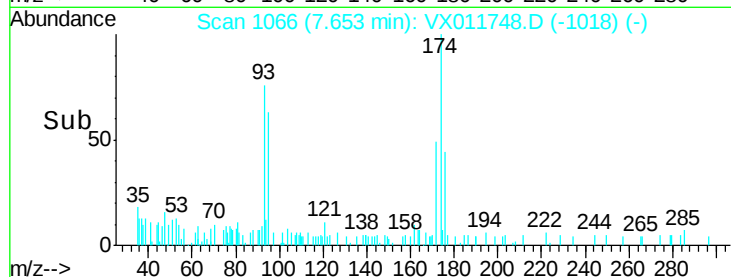
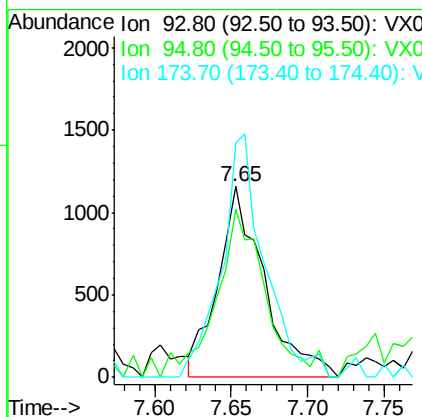
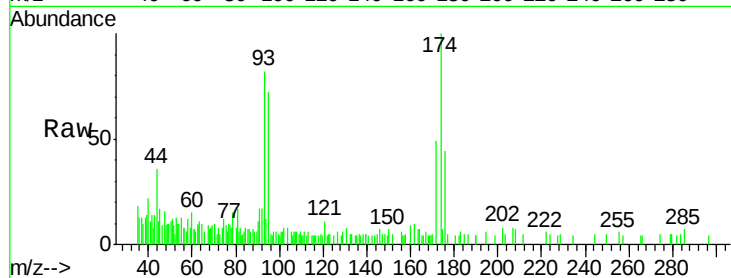
ClientSampleId :

VSTDIC001

Tot Ion:	93	Resp:	2436
Ion	Ratio	Lower	Upper
93	100		
95	95.8	66.2	99.2
174	118.6	104.2	156.4

Manual Integrations
APPROVED

MMDadoda
8/23/2019 1:55:37 PM



#47

Bromodichloromethane

Concen: 0.930 ug/l

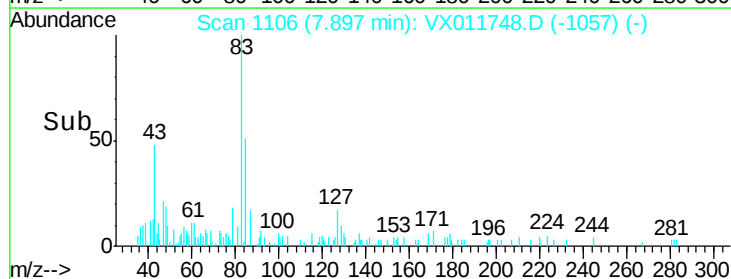
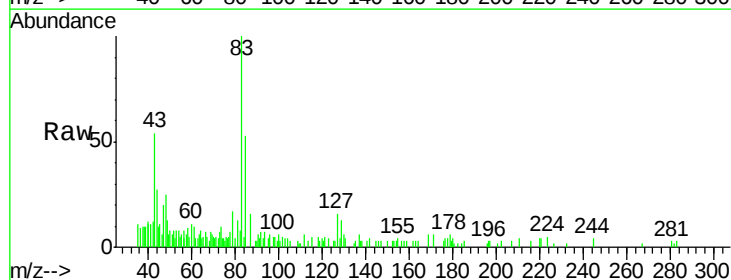
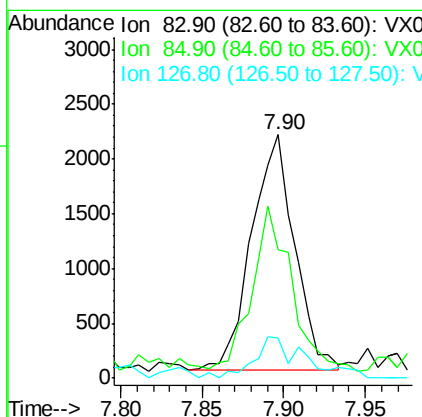
RT: 7.90 min Scan# 1106

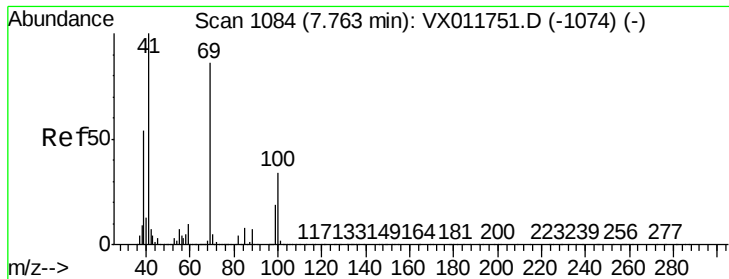
Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Tgt Ion:	83	Resp:	3962
Ion	Ratio	Lower	Upper
83	100		
85	49.0	50.6	76.0#
127	14.1	8.4	12.6#





#48

Methvl methacrylate

Concen: 0.825 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Instrument :

MSVOA_X

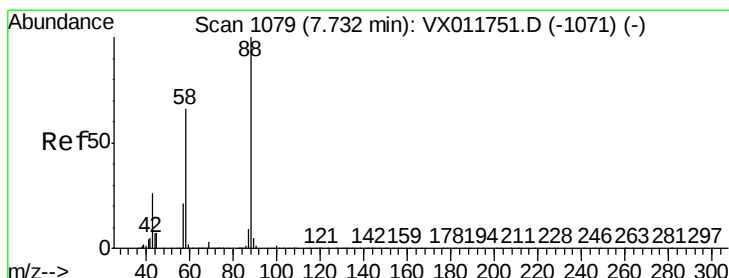
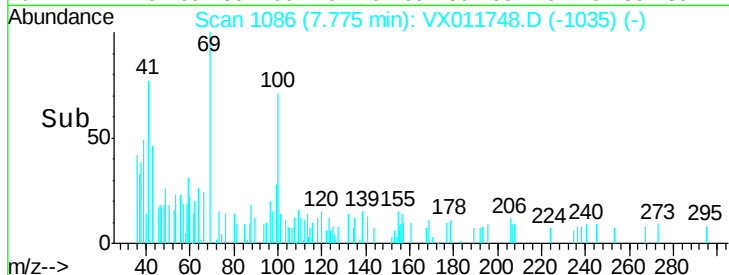
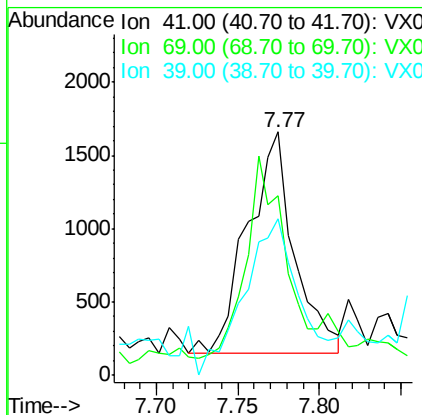
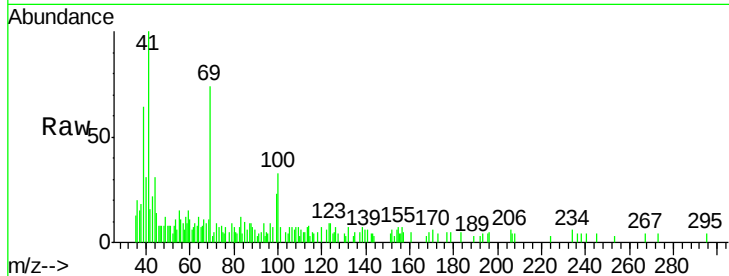
ClientSampleId :

VSTDIC001

Tot Ion:	41	Resp:	2996
Ion	Ratio	Lower	Upper
41	100		
69	76.5	69.4	104.2
39	83.6	43.6	65.4#

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8/23/2019 1:55:37 PM



#49

1,4-Dioxane

Concen: 22.195 ug/l

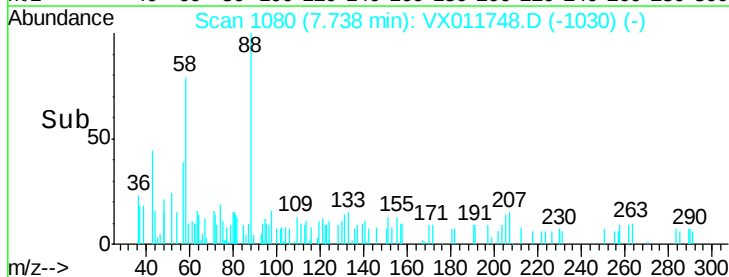
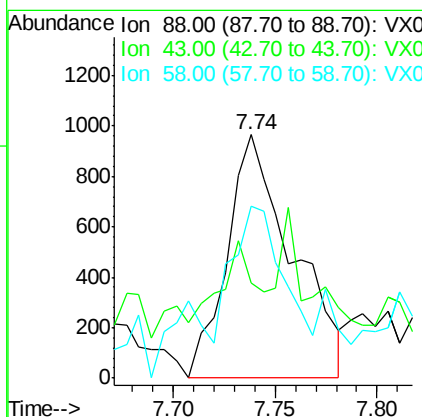
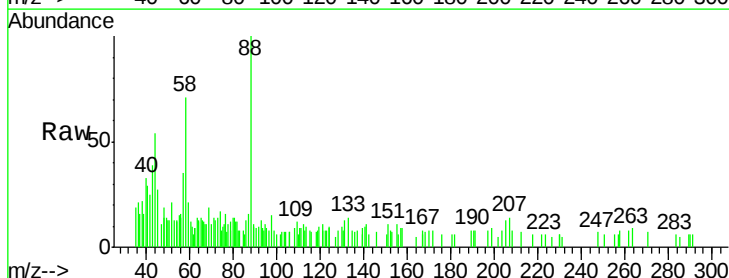
RT: 7.74 min Scan# 1080

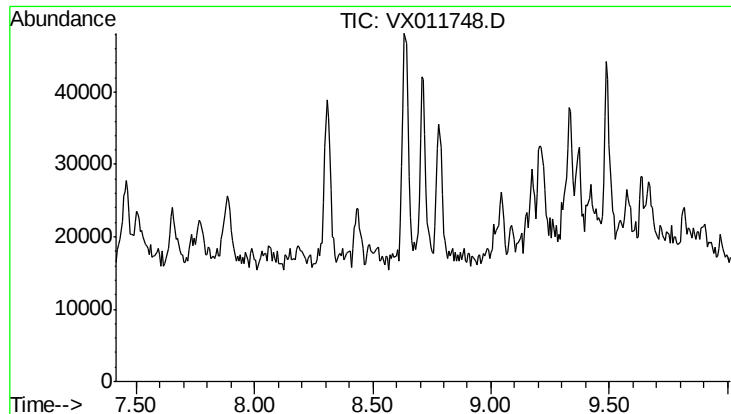
Delta R.T. 0.01 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Tgt Ion:	88	Resp:	2151
Ion	Ratio	Lower	Upper
88	100		
43	18.8	24.6	37.0#
58	41.5	51.4	77.2#





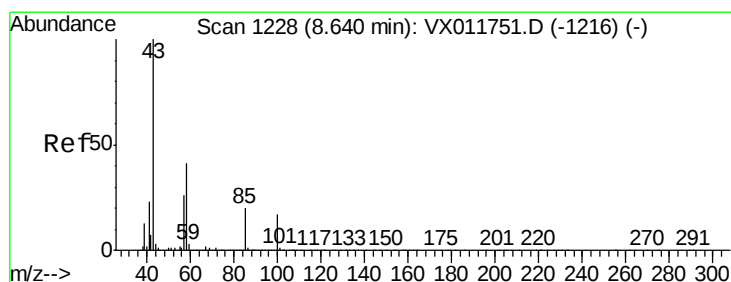
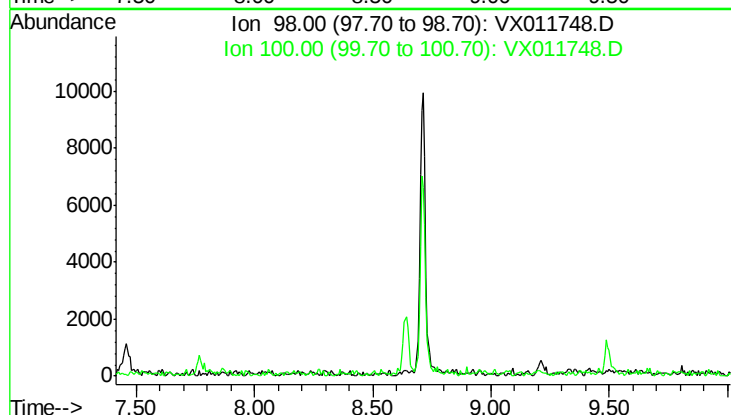
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.71 min
Lab File: VX011748.D
Acq: 22 Aug 2019 08:56

Tot Ion: 98
Sig Exp Ratio
98 100
100 65.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

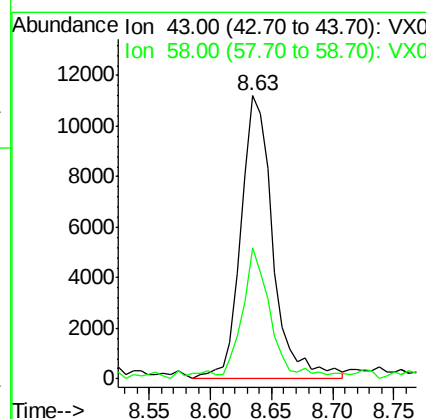
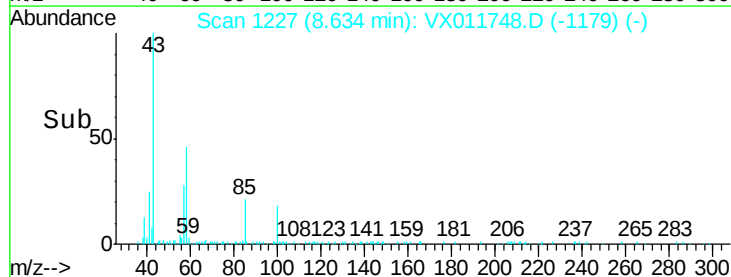
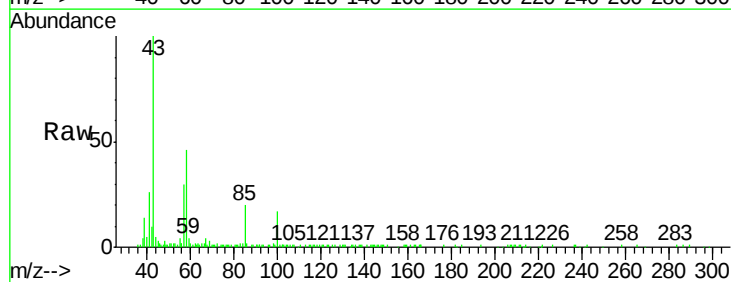
Manual Integrations
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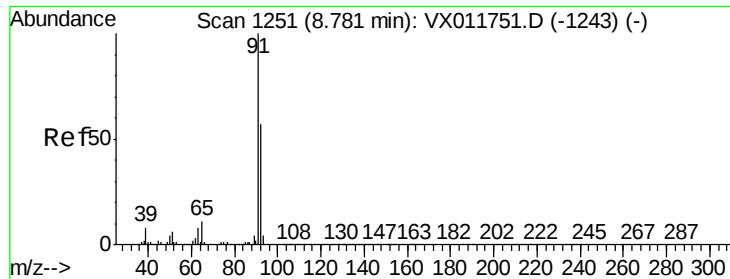
MMDadoda
8/23/2019 1:55:37 PM



#51
4-Methyl-2-Pentanone
Concen: 4.265 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VX011748.D
Acq: 22 Aug 2019 08:56

Tgt Ion: 43 Resp: 20404
Ion Ratio Lower Upper
43 100
58 41.0 31.8 47.6





#52

Toluene

Concen: 1.031 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 8412

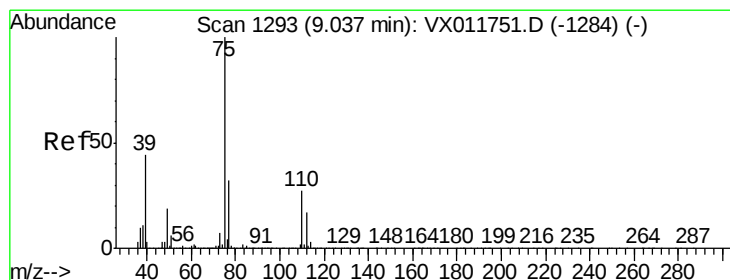
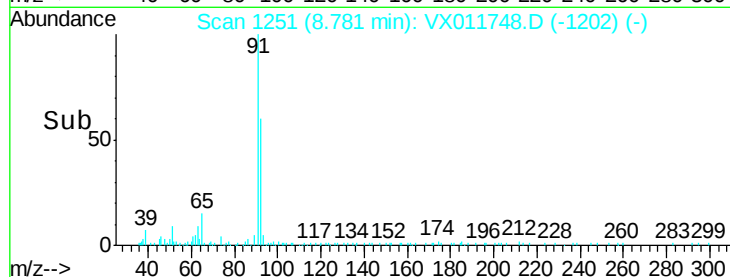
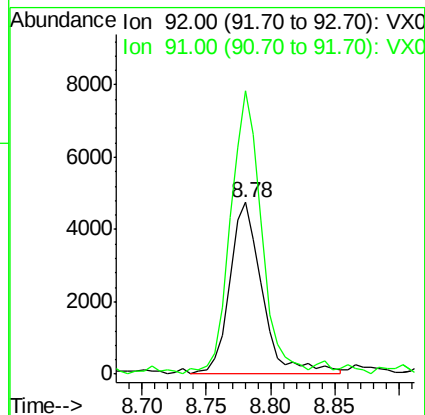
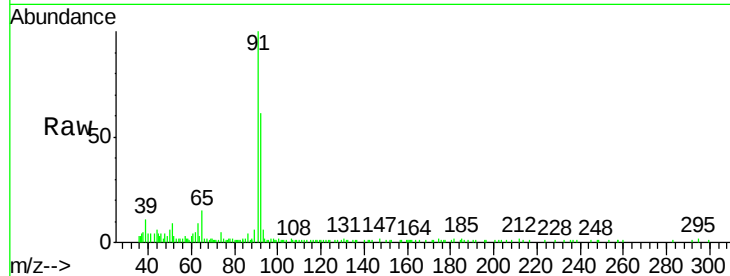
Ion Ratio Lower Upper

92 100

91 156.6 138.6 207.8

Manual Integrations
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#53

t-1,3-Dichloropropene

Concen: 0.846 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX011748.D

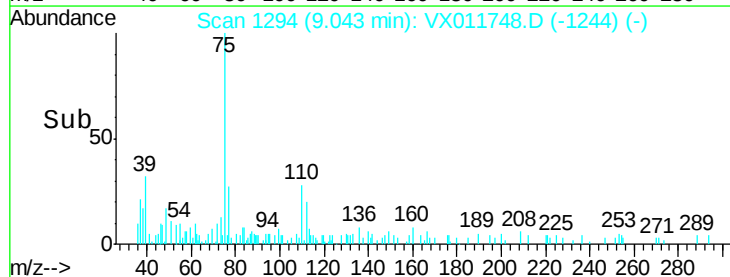
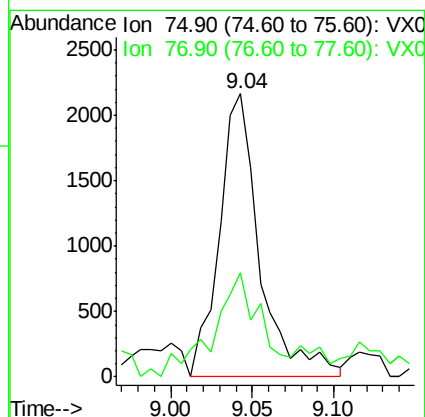
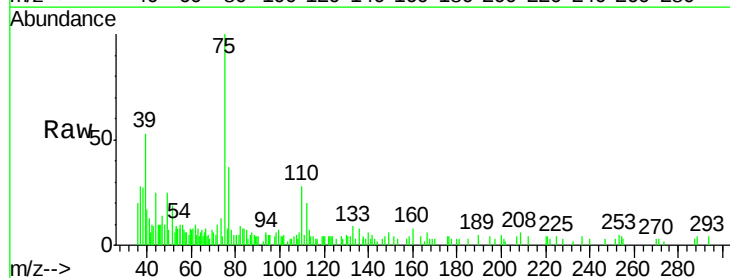
Acq: 22 Aug 2019 08:56

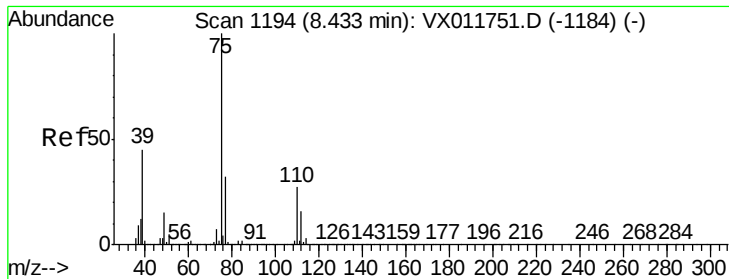
Tgt Ion: 75 Resp: 3735

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0





#54

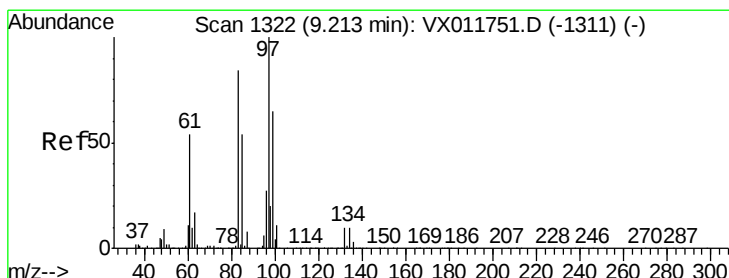
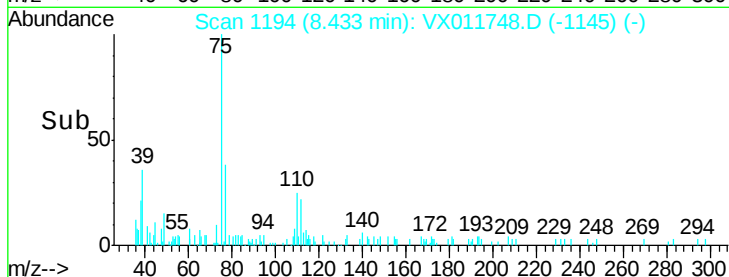
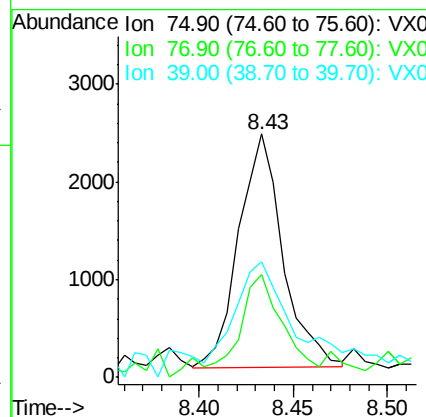
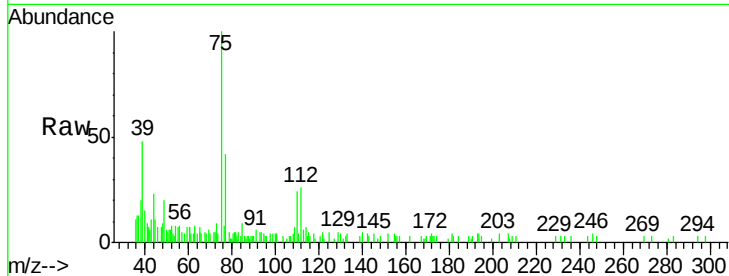
cis-1,3-Dichloropropene
Concen: 0.805 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011748.D
Acq: 22 Aug 2019 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:	75	Resp:	3882
Ion	Ratio	Lower	Upper
75	100		
77	37.6	25.4	38.2
39	40.5	36.2	54.4

Manual Integrations
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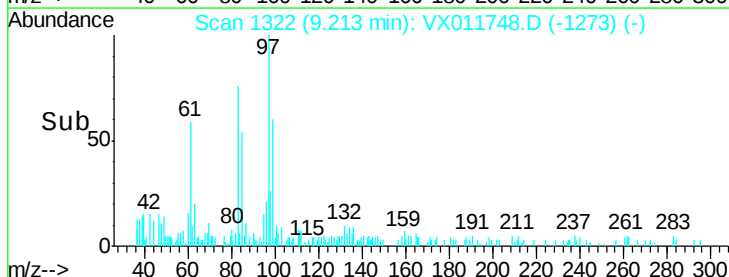
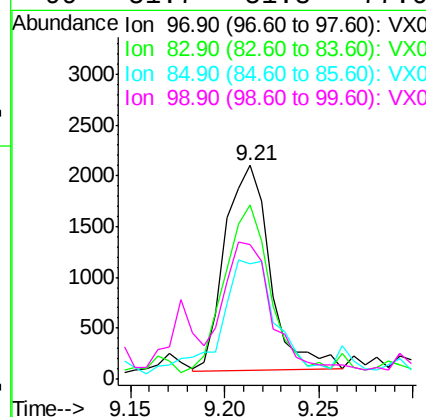
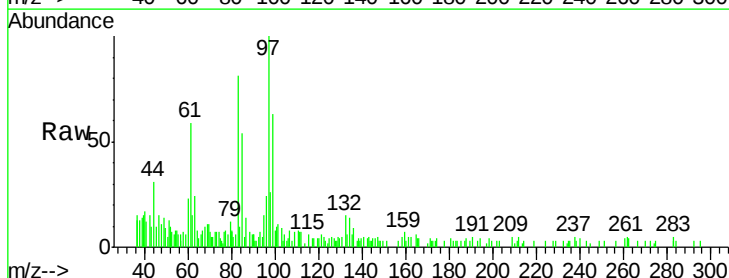
MMDadoda
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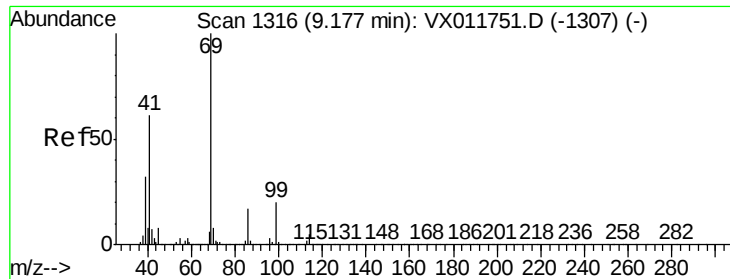


#55

1,1,2-Trichloroethane
Concen: 0.978 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX011748.D
Acq: 22 Aug 2019 08:56

Tgt Ion:	97	Resp:	3385
Ion	Ratio	Lower	Upper
97	100		
83	72.9	67.3	100.9
85	45.7	43.4	65.2
99	51.7	51.8	77.6#





#56

Ethyl methacrylate

Concen: 0.743 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Instrument :

MSVOA_X

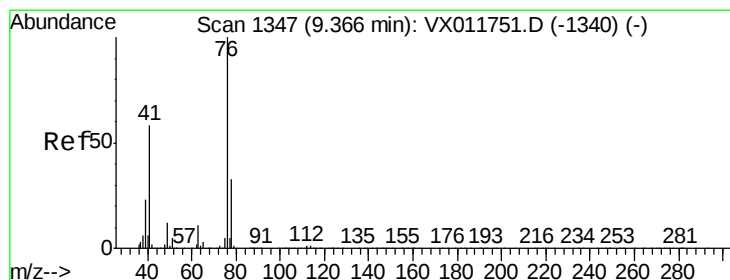
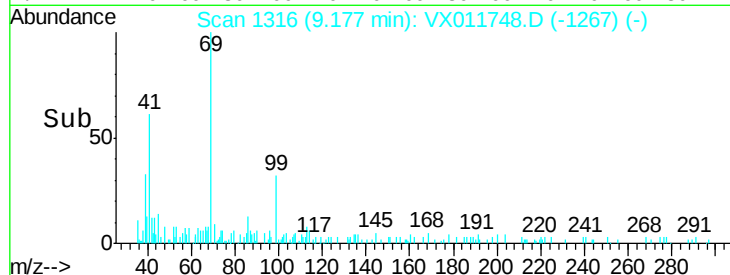
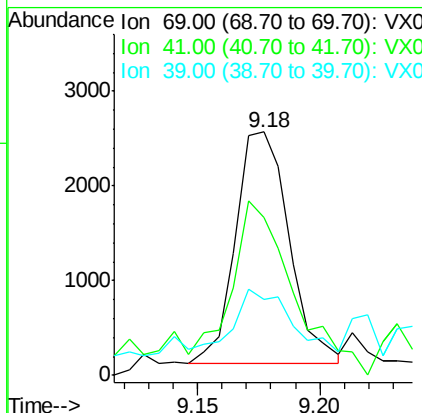
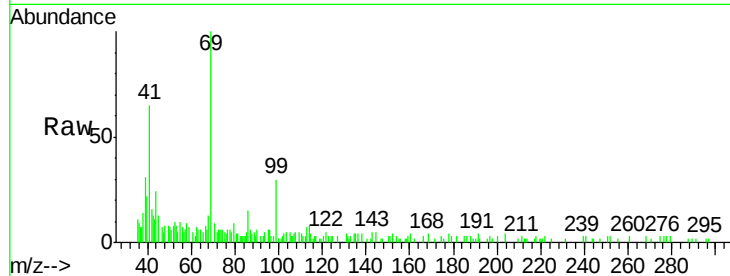
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	3735
Ion	Ratio	Lower	Upper
69	100		
41	88.9	50.7	76.1#
39	29.8	26.4	39.6

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 1.092 ug/l

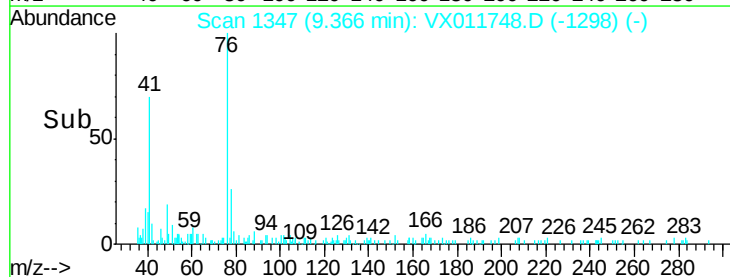
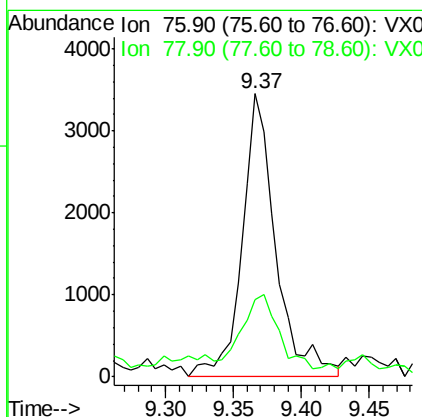
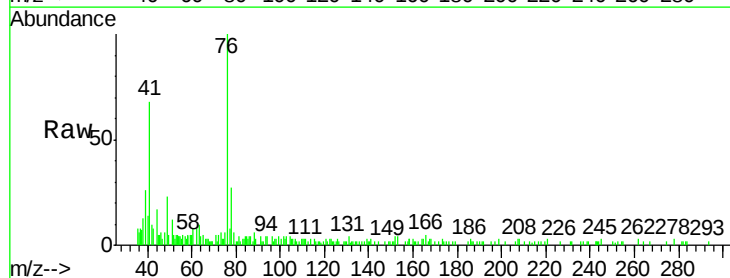
RT: 9.37 min Scan# 1347

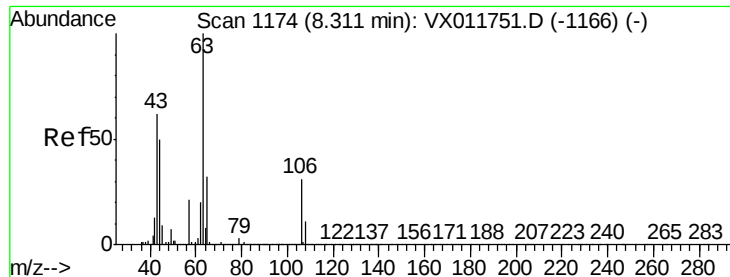
Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Tgt Ion:	76	Resp:	5967
Ion	Ratio	Lower	Upper
76	100		
78	29.0	26.6	39.8





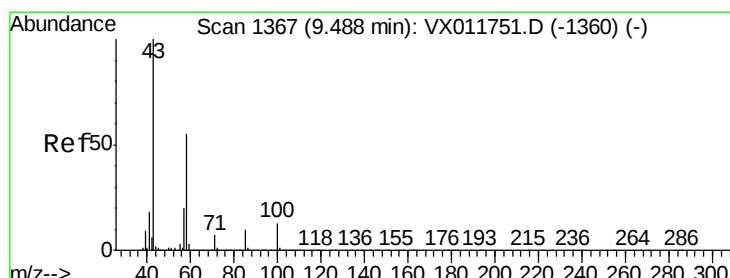
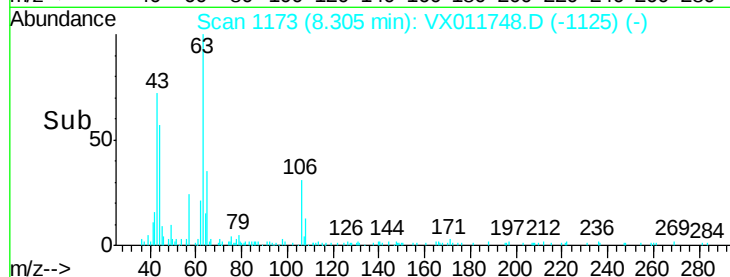
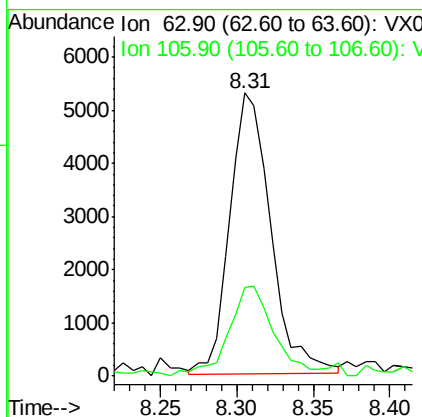
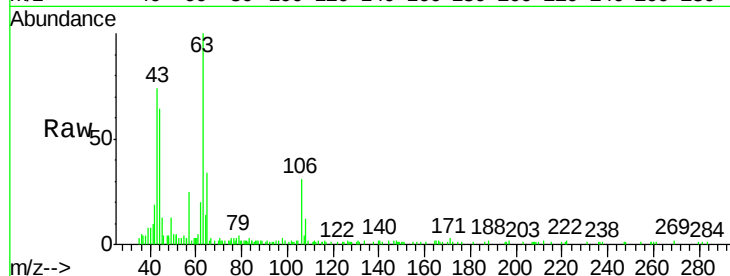
#58
 2-Chloroethyl Vinyl ether
 Concen: 3.898 ug/l
 RT: 8.31 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VX011748.D
 Acq: 22 Aug 2019 08:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
106	35.7	24.9	37.3

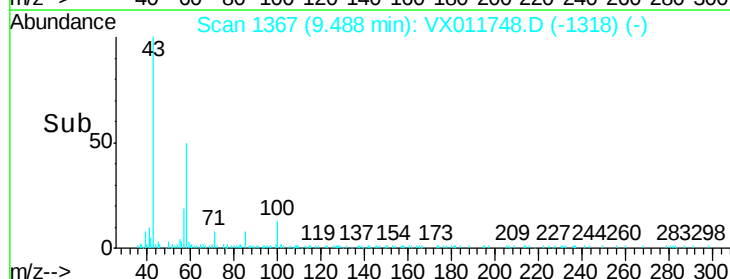
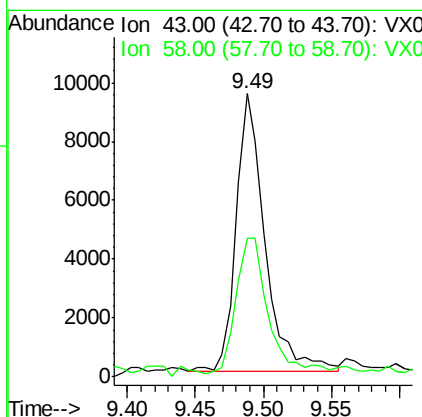
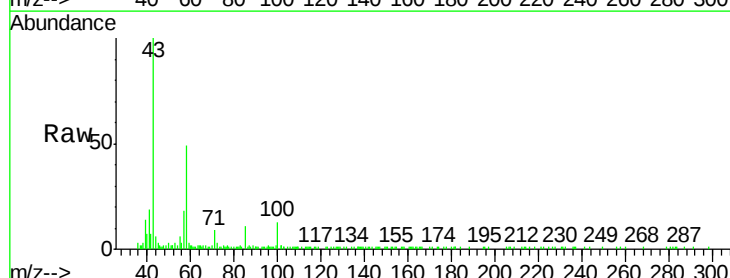
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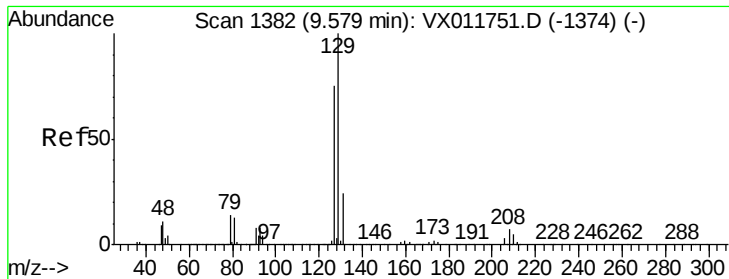
MMDadoda
 8/23/2019 1:55:37 PM



#59
 2-Hexanone
 Concen: 3.762 ug/l
 RT: 9.49 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VX011748.D
 Acq: 22 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	55.5	27.7	83.1





#60

Dibromochloromethane

Concen: 0.905 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 3257

Ion Ratio Lower Upper

129 100

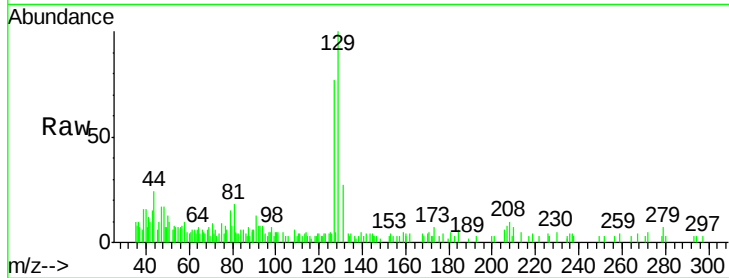
127 74.9 38.3 114.8

Manual Integrations

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

2500

2000

1500

1000

500

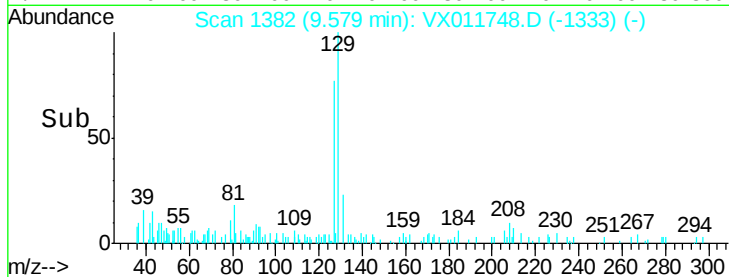
0

9.50

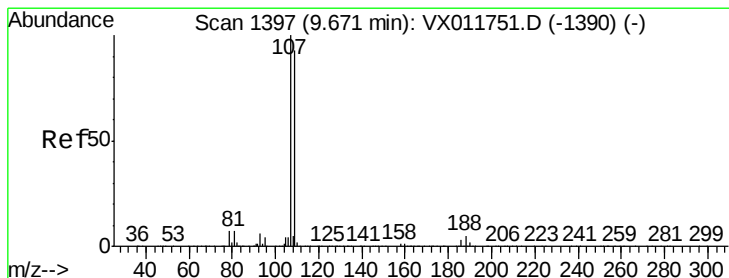
9.55

9.60

9.65



Time-->



#61

1,2-Dibromoethane

Concen: 0.896 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011748.D

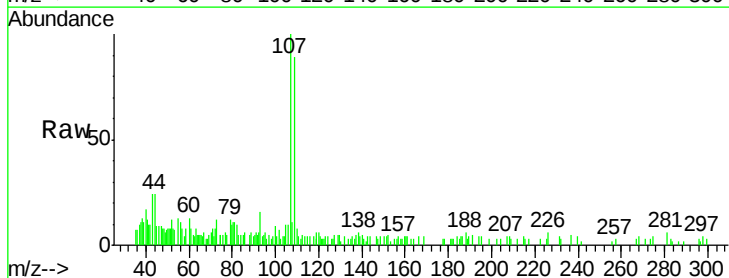
Acq: 22 Aug 2019 08:56

Tgt Ion:107 Resp: 3314

Ion Ratio Lower Upper

107 100

109 93.0 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

2500

2000

1500

1000

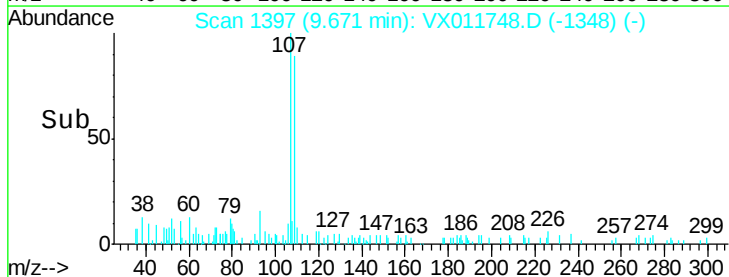
500

0

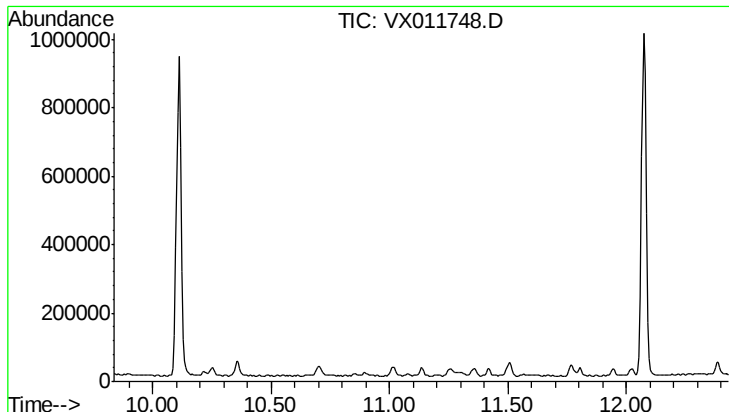
9.60

9.65

9.70



Time-->



#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 11.13 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Tot Ion: 95

Sig Exp Ratio

95 100

174 98.7

176 97.2

Instrument :

MSVOA_X

ClientSampleId :

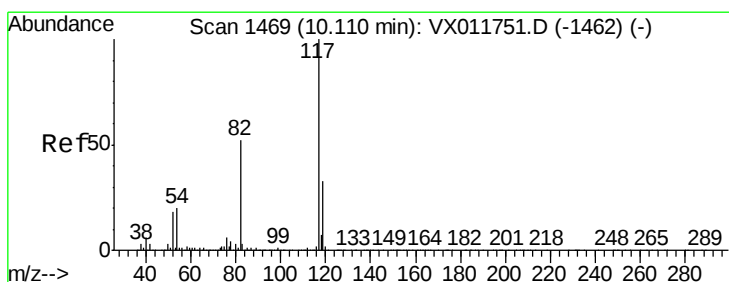
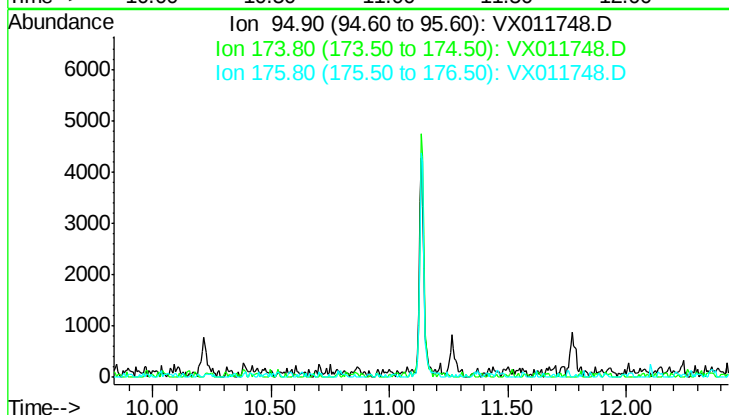
VSTDIC001

Manual Integrations

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

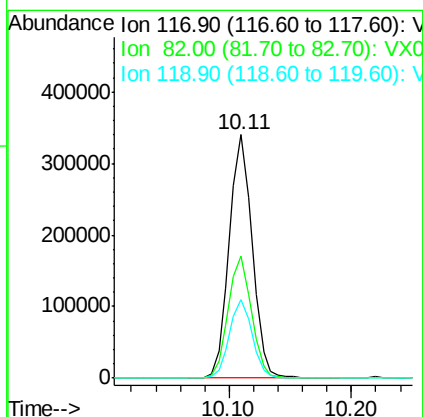
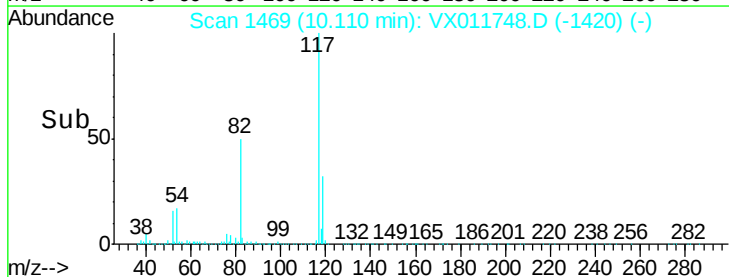
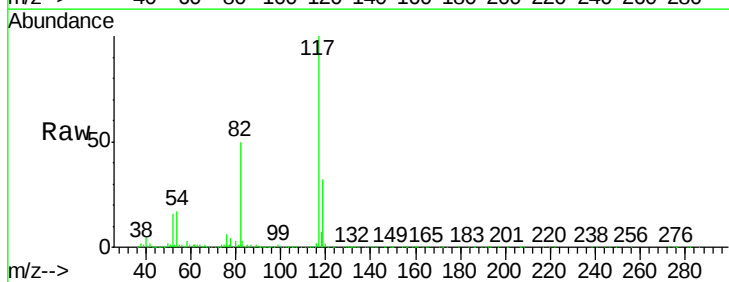
Tgt Ion: 117 Resp: 442187

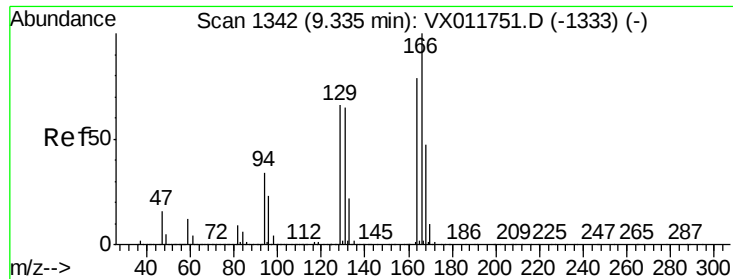
Ion Ratio Lower Upper

117 100

82 50.1 41.7 62.5

119 32.0 26.2 39.2





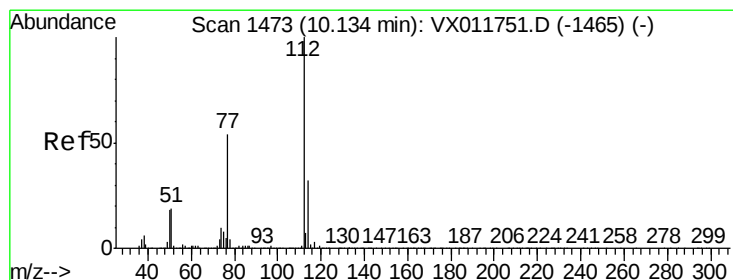
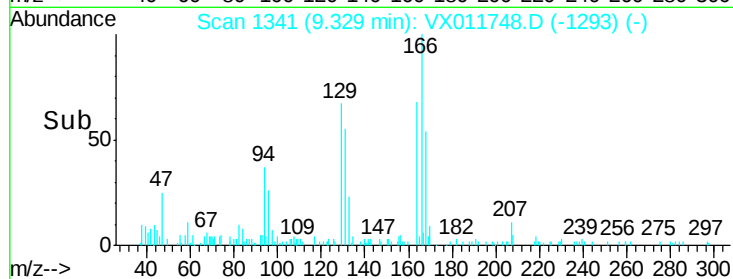
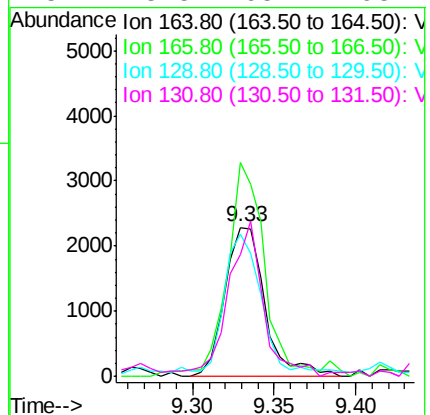
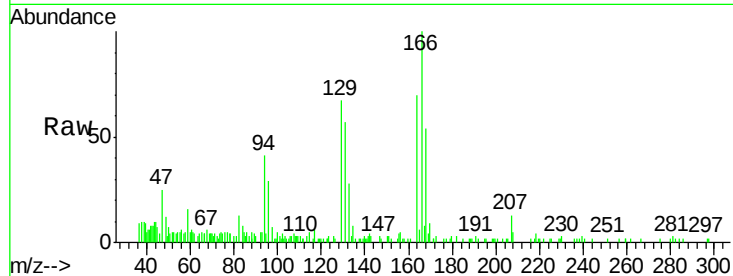
#64
Tetrachloroethene
Concen: 1.074 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX011748.D
Acq: 22 Aug 2019 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:	164	Resp:	3924
Ion	Ratio	Lower	Upper
164	100		
166	139.3	100.7	151.1
129	92.4	66.8	100.2
131	78.5	65.4	98.2

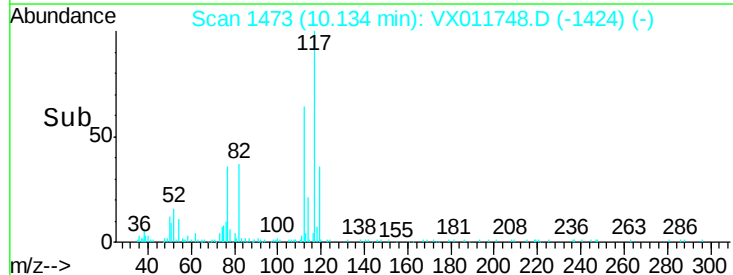
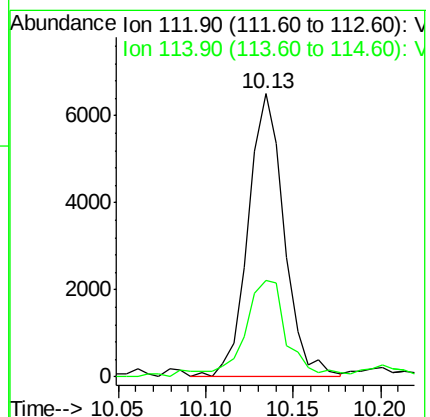
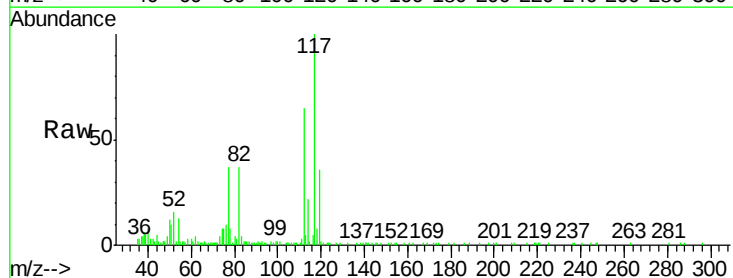
Manual Integrations
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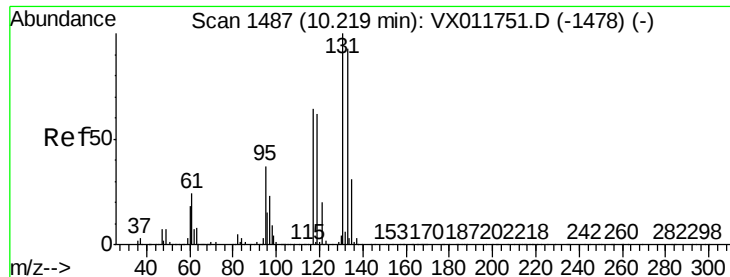
MMDadoda
8/23/2019 1:55:37 PM



#65
Chlorobenzene
Concen: 1.001 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011748.D
Acq: 22 Aug 2019 08:56

Tgt Ion:	112	Resp:	9292
Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.4	38.0





#66

1,1,1,2-Tetrachloroethane

Concen: 0.920 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Instrument :

MSVOA_X

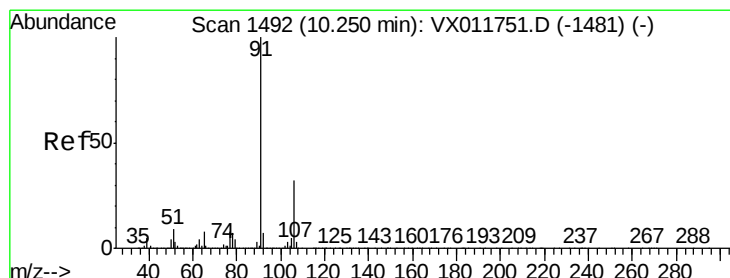
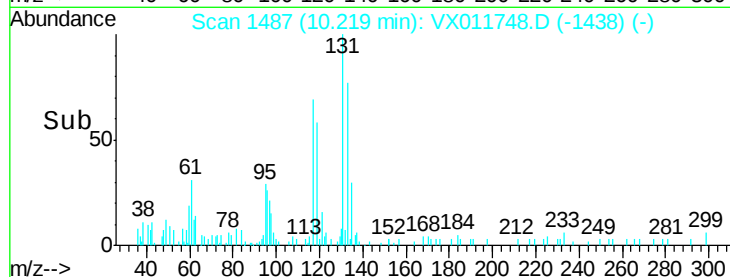
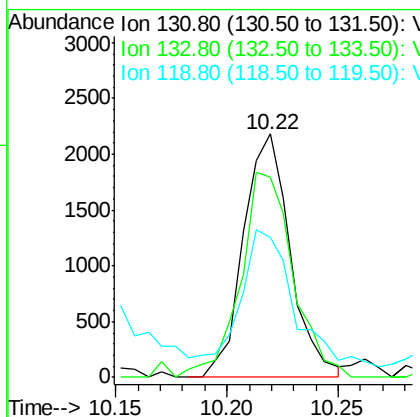
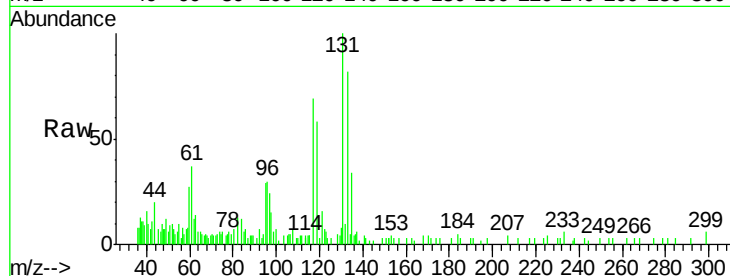
ClientSampleId :

VSTDIC001

Tot Ion:	131	Resp:	3204
Ion Ratio	Lower	Upper	
131	100		
133	93.9	47.8	143.4
119	0.0	31.3	93.8#

Manual Integrations
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#67

Ethyl Benzene

Concen: 0.899 ug/l

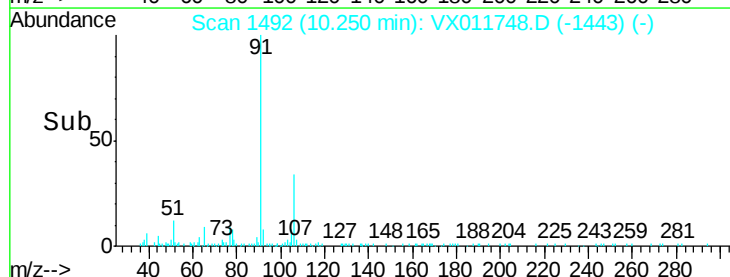
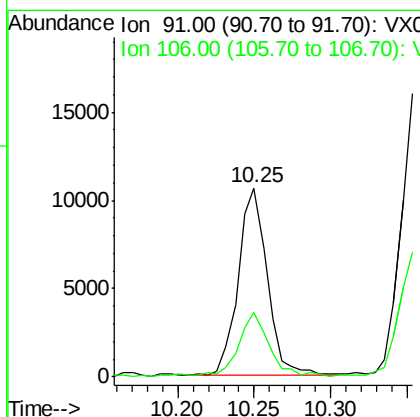
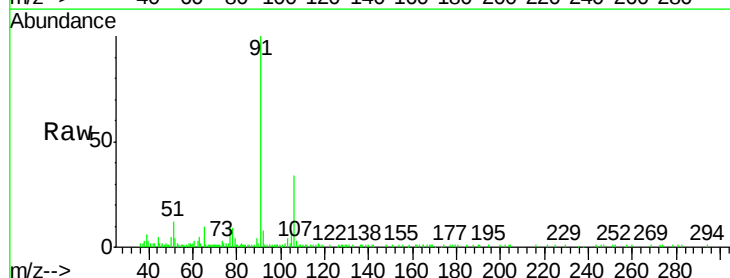
RT: 10.25 min Scan# 1492

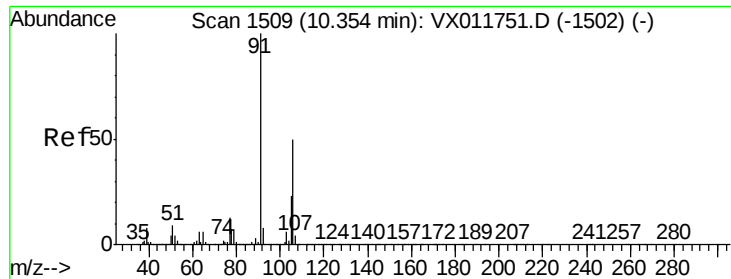
Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Tgt Ion:	91	Resp:	14063
Ion Ratio	Lower	Upper	
91	100		
106	33.9	25.5	38.3





#68

m/p-Xylenes

Concen: 1.742 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:106 Resp: 10461

Ion Ratio Lower Upper

106 100

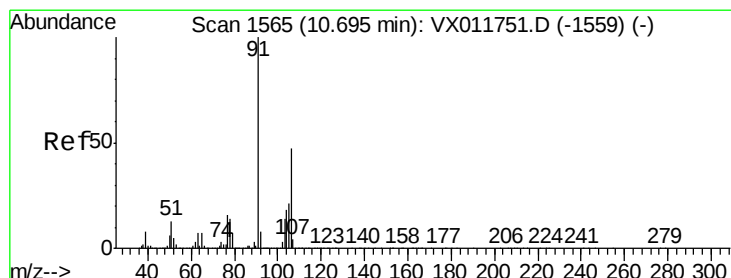
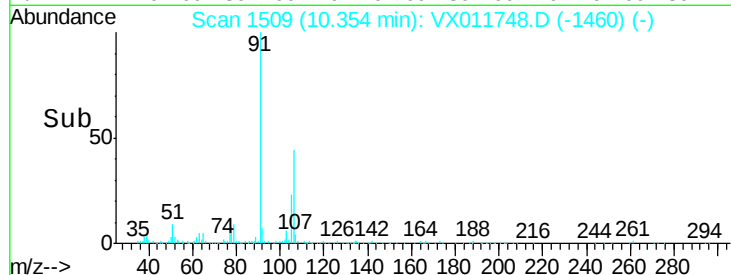
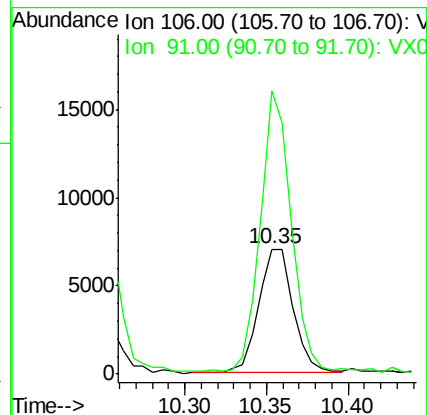
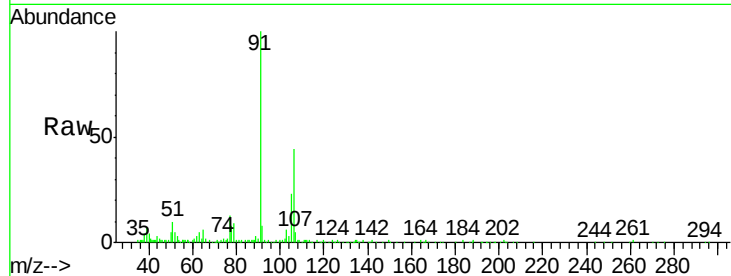
91 199.7 158.3 237.5

Manual Integrations

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#69

o-Xylene

Concen: 0.905 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VX011748.D

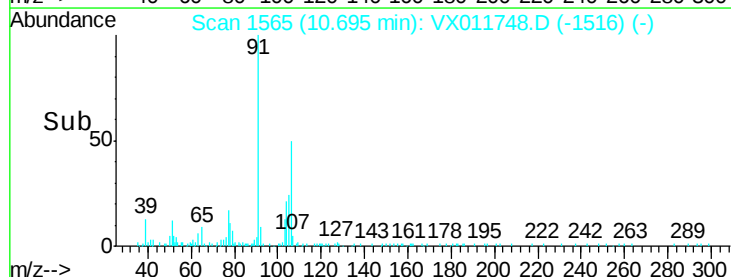
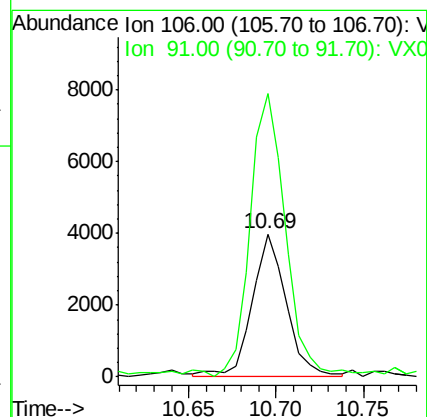
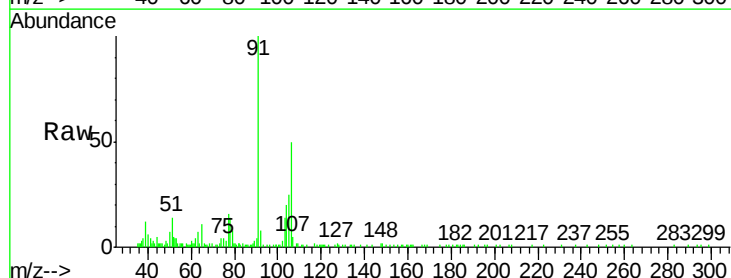
Acq: 22 Aug 2019 08:56

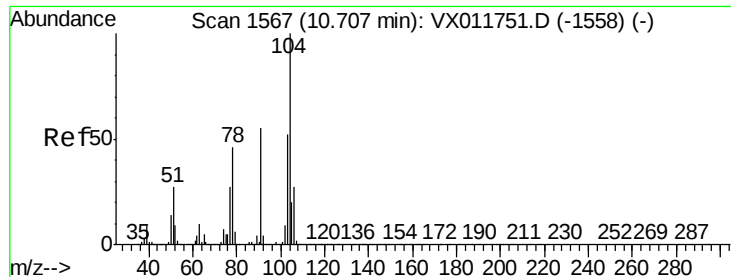
Tgt Ion:106 Resp: 5329

Ion Ratio Lower Upper

106 100

91 209.5 105.0 314.9





#70

Stvrene

Concen: 0.849 ug/l

RT: 10.71 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Instrument :

MSVOA_X

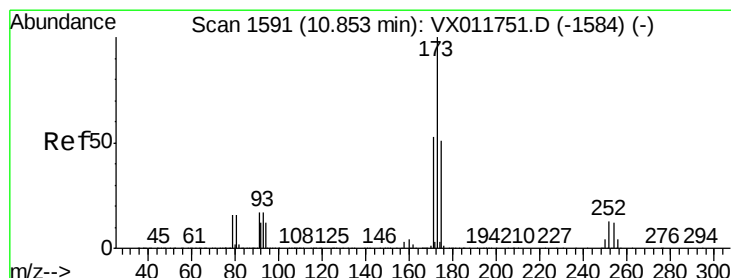
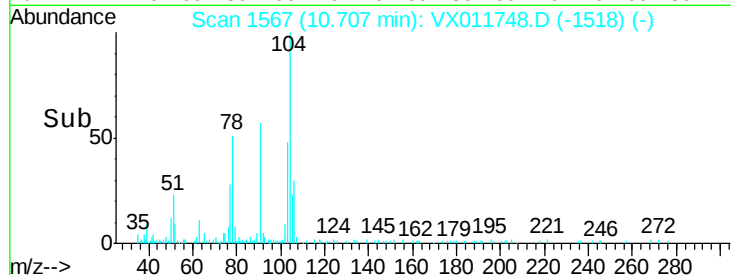
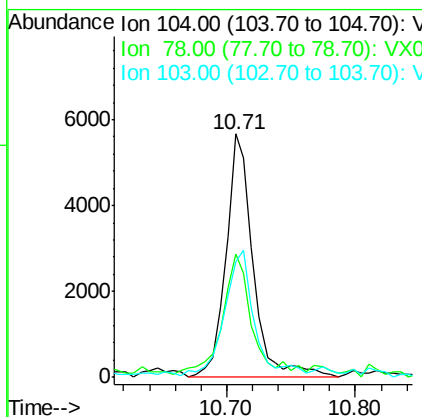
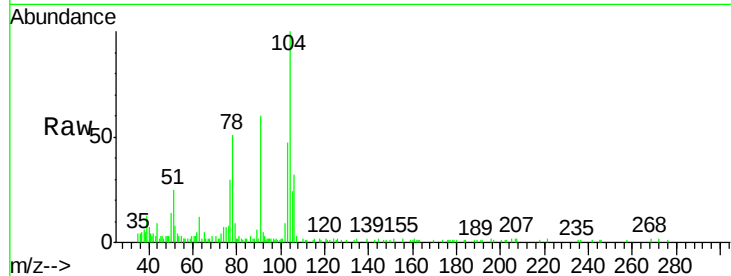
ClientSampleId :

VSTDIC001

Tot Ion:	104	Resp:	8377
Ion Ratio	Lower	Upper	
104	100		
78	52.6	39.2	58.8
103	55.3	44.5	66.7

Manual Integrations
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8/23/2019 1:55:37 PM



#71

Bromoform

Concen: 0.892 ug/l

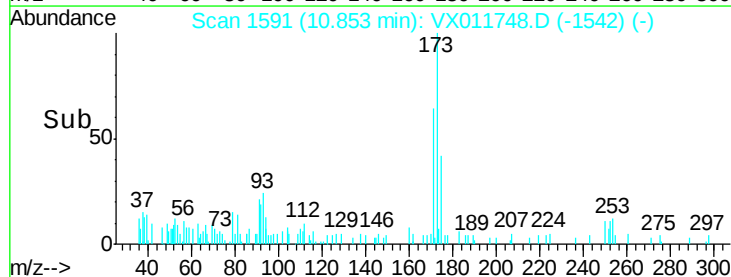
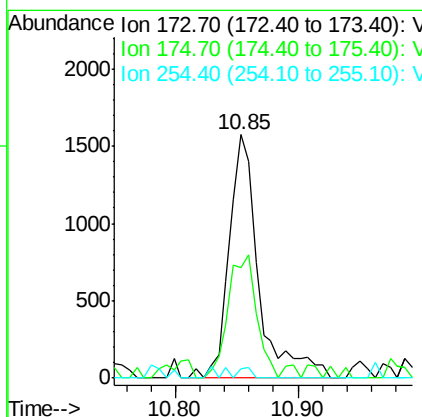
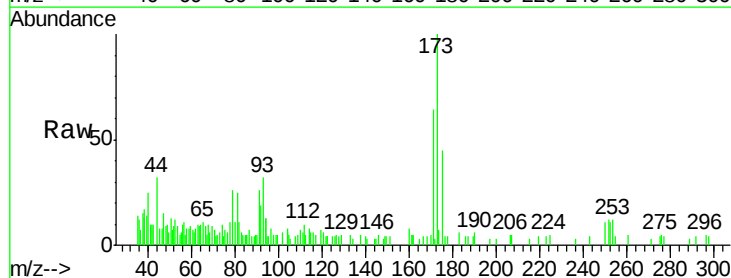
RT: 10.85 min Scan# 1591

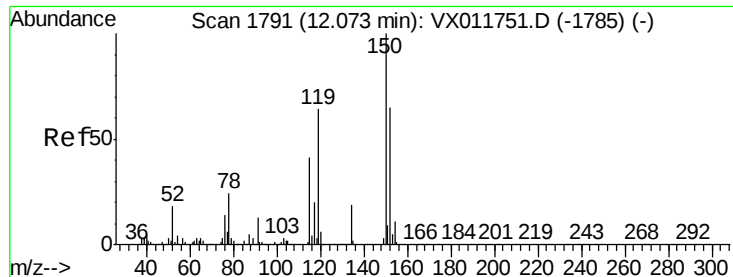
Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Tgt Ion:	173	Resp:	2636
Ion Ratio	Lower	Upper	
173	100		
175	48.6	25.1	75.3
254	1.8	0.2	0.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:152 Resp: 227108

Ion Ratio Lower Upper

152 100

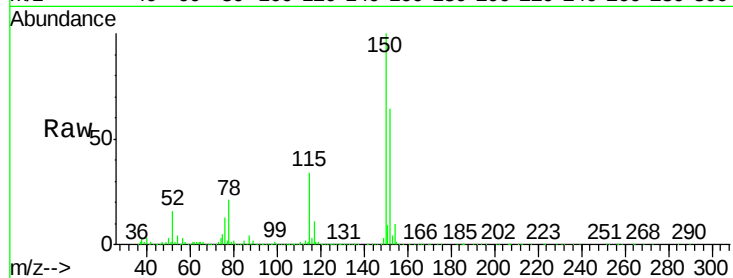
115 53.9 37.3 111.8

150 155.7 0.0 343.0

Manual Integrations
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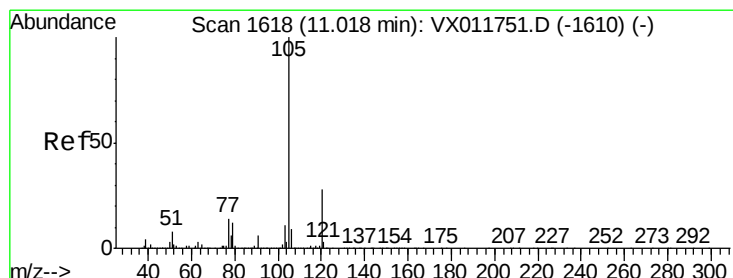
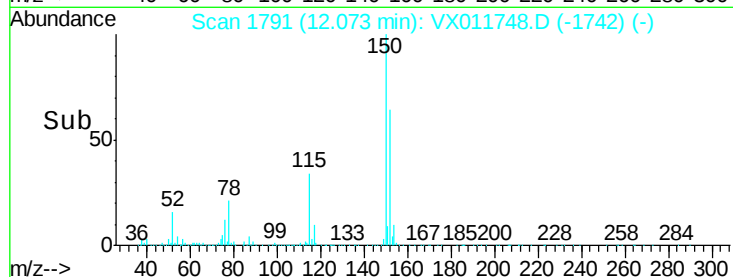
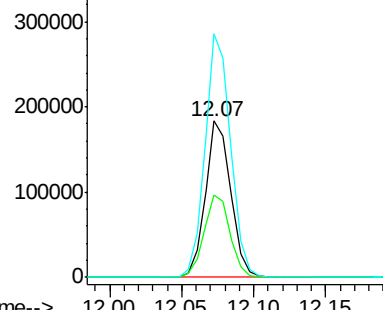
8/23/2019 1:55:37 PM



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: 0.959 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VX011748.D

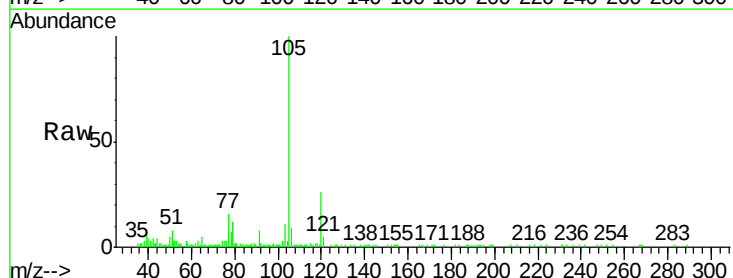
Acq: 22 Aug 2019 08:56

Tgt Ion:105 Resp: 13963

Ion Ratio Lower Upper

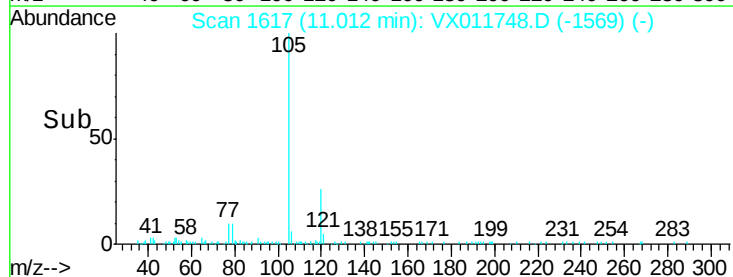
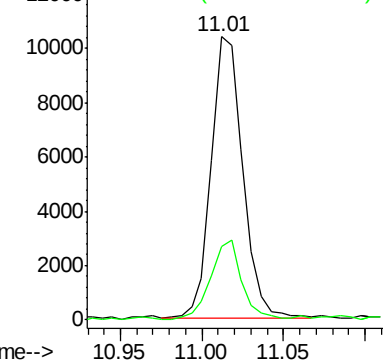
105 100

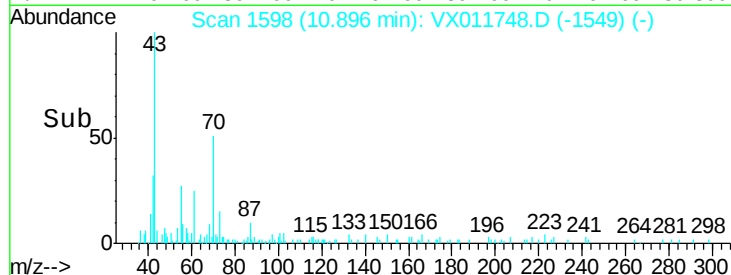
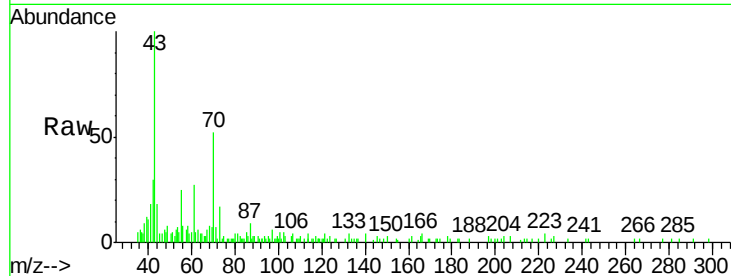
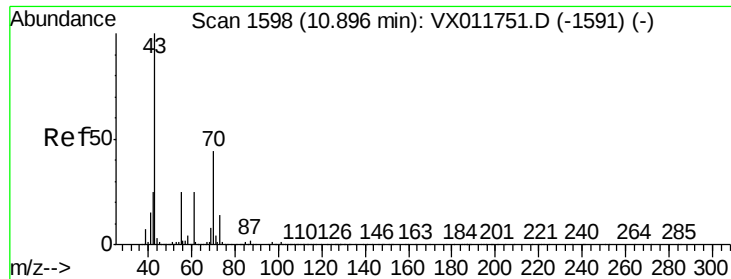
120 28.2 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





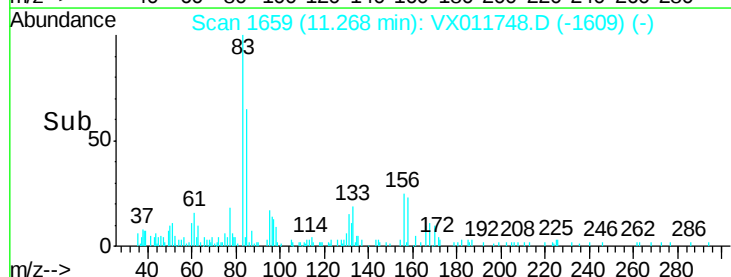
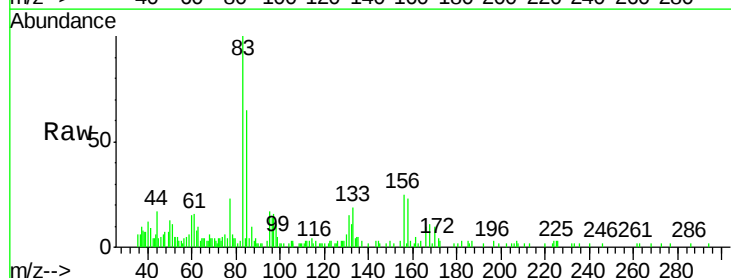
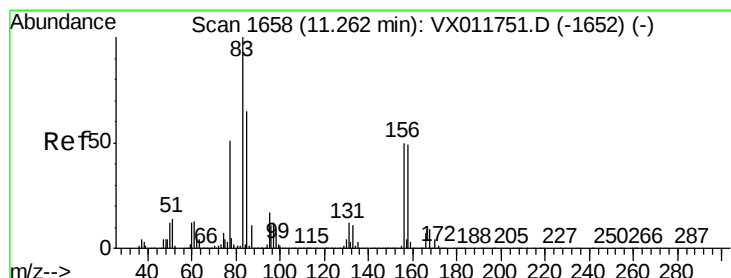
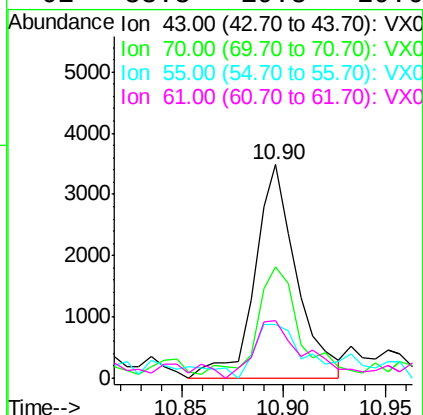
#74
N-amvl acetate
Concen: 0.816 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX011748.D
Acq: 22 Aug 2019 08:56

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
70	54.8	34.8	52.2#
55	27.9	19.5	29.3
61	33.3	19.8	29.6#

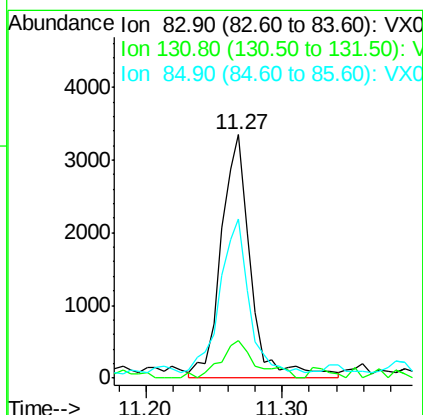
Manual Integrations
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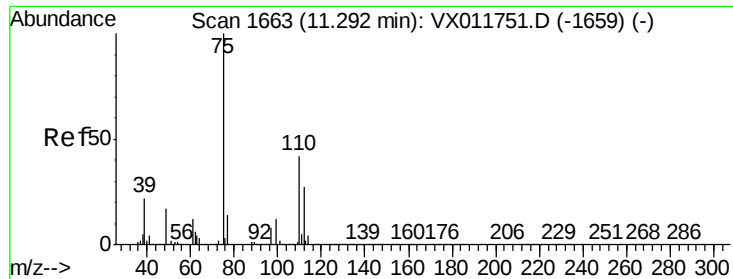
MMDadoda
8/23/2019 1:55:37 PM



#75
1,1,2,2-Tetrachloroethane
Concen: 1.016 ug/l
RT: 11.27 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VX011748.D
Acq: 22 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
83	100		
131	18.4	6.1	18.3#
85	62.2	32.4	97.0





#76

1,2,3-Trichloropropane

Concen: 1.101 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 4660

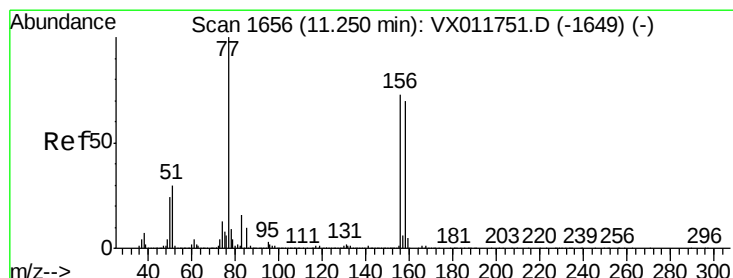
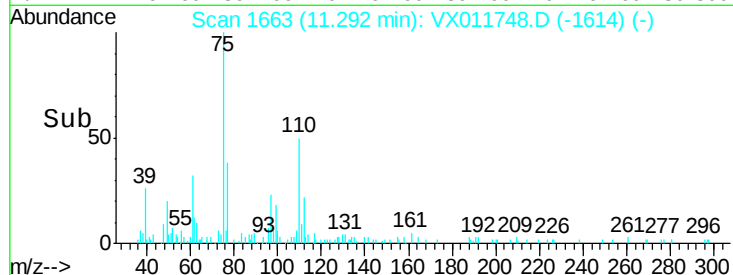
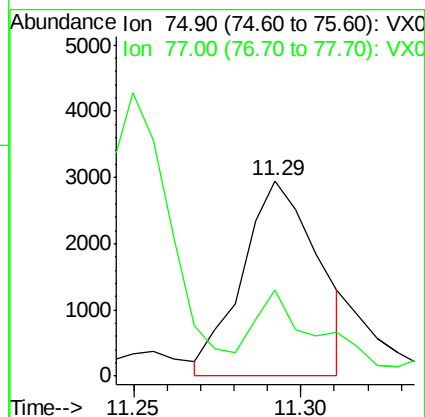
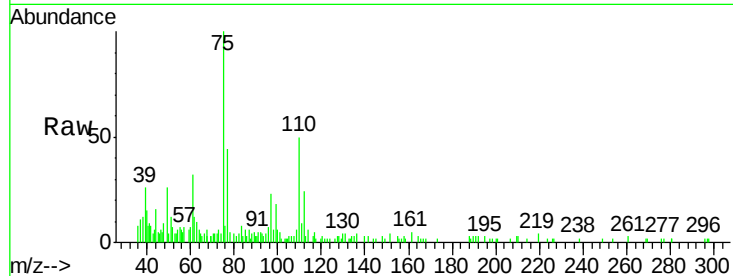
Ion Ratio Lower Upper

75 100

77 37.1 21.1 63.3

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#77

Bromobenzene

Concen: 1.003 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.01 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

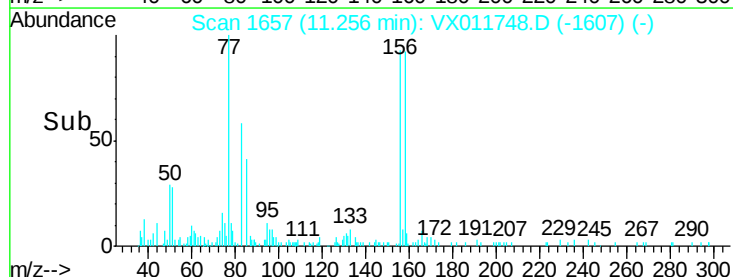
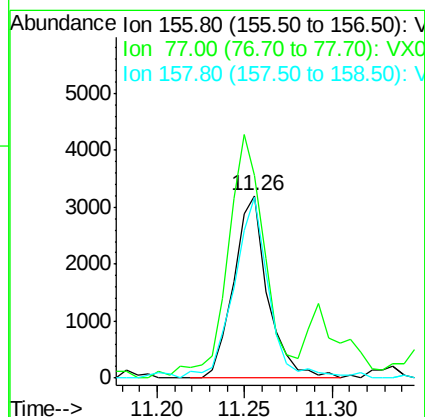
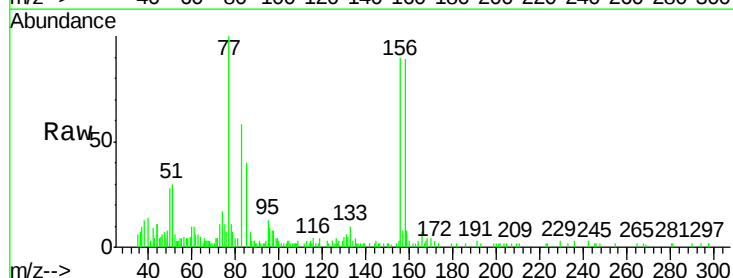
Tgt Ion: 156 Resp: 4321

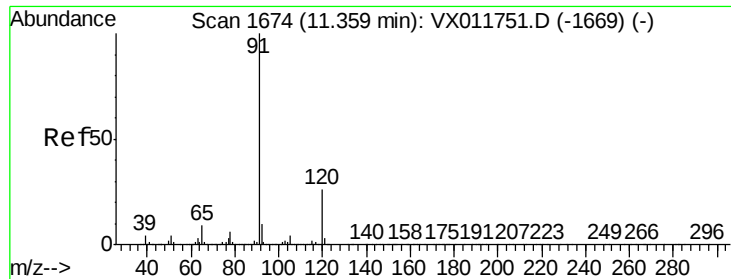
Ion Ratio Lower Upper

156 100

77 145.8 65.3 196.0

158 102.1 48.4 145.0





#78

n-propylbenzene

Concen: 0.855 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 13421

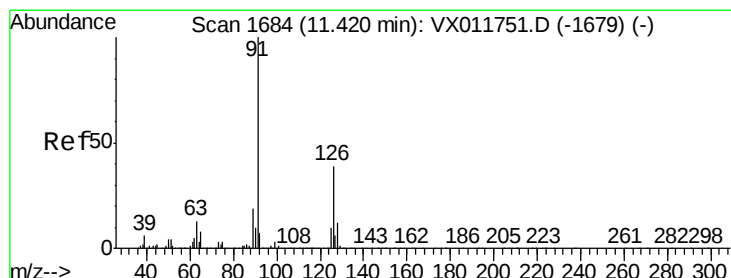
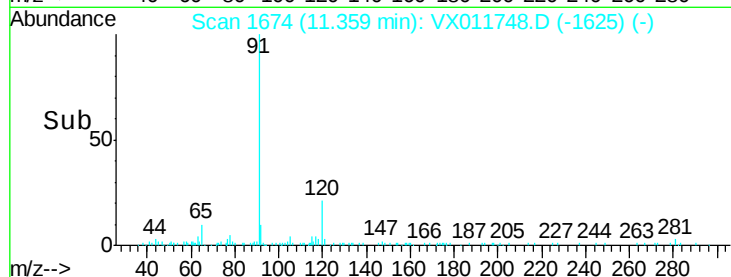
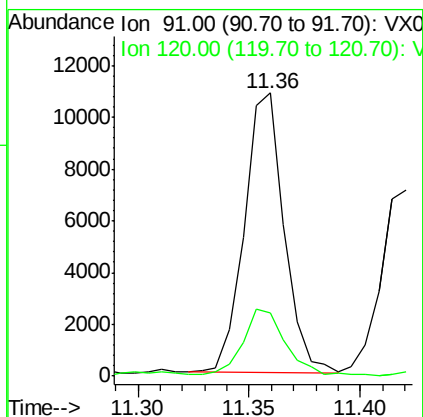
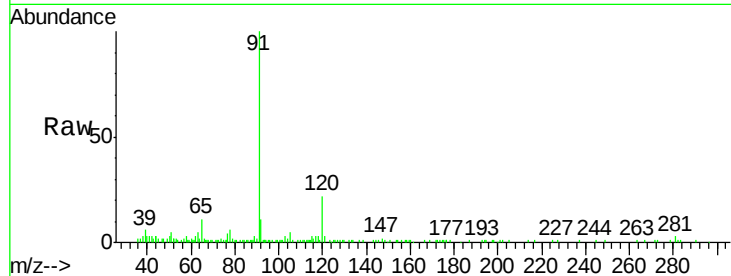
Ion Ratio Lower Upper

91 100

120 26.6 12.7 38.1

Manual Integrations
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8/23/2019 1:55:37 PM



#79

2-Chlorotoluene

Concen: 0.982 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011748.D

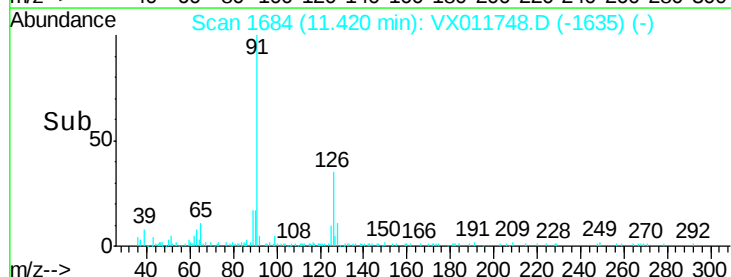
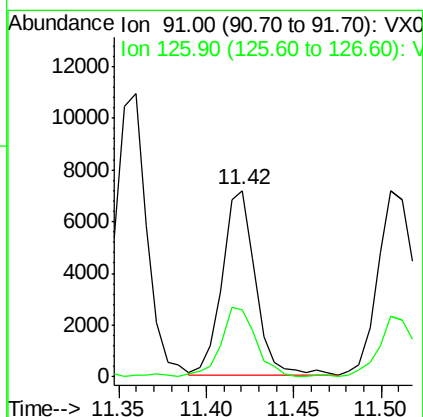
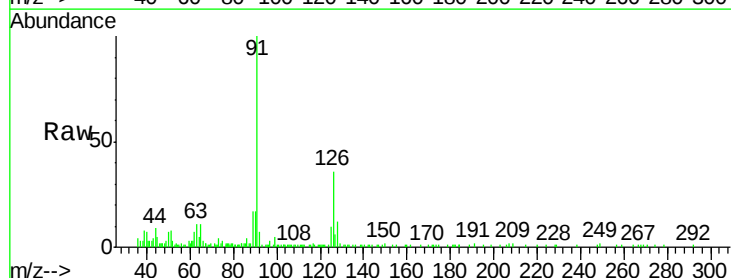
Acq: 22 Aug 2019 08:56

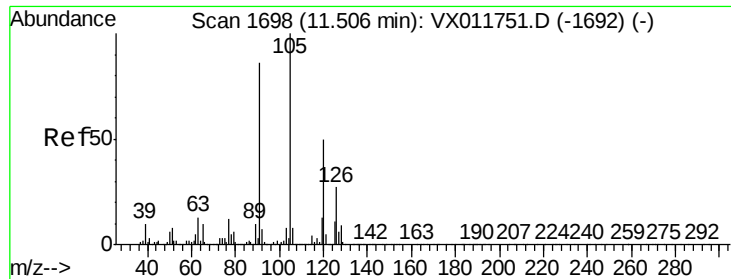
Tgt Ion: 91 Resp: 9458

Ion Ratio Lower Upper

91 100

126 39.5 18.6 55.6





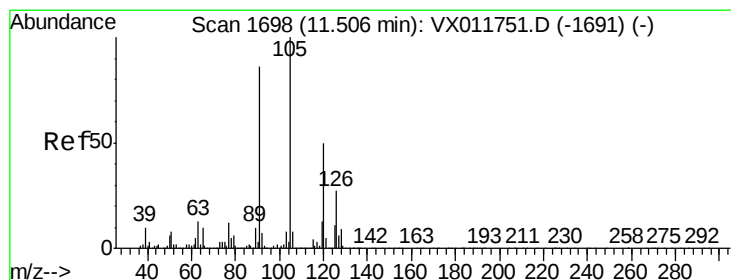
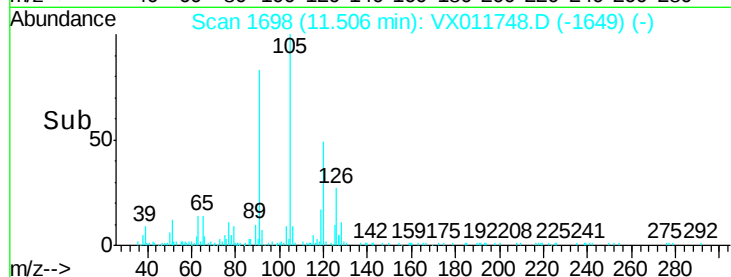
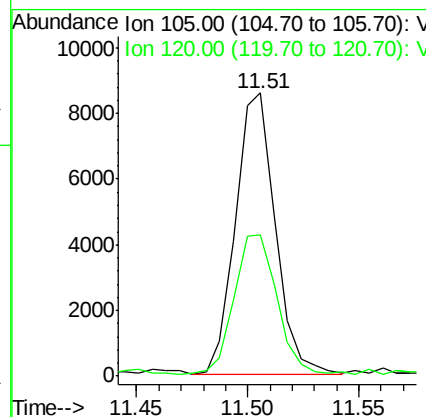
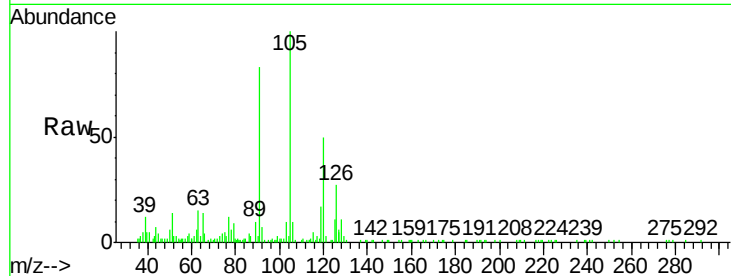
#80
 1,3,5-Trimethylbenzene
 Concen: 0.871 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX011748.D
 Acq: 22 Aug 2019 08:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	53.1	24.8	74.4

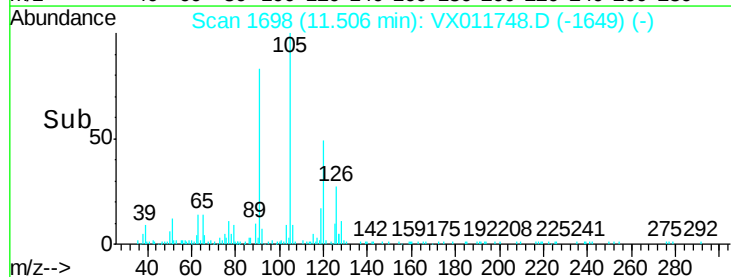
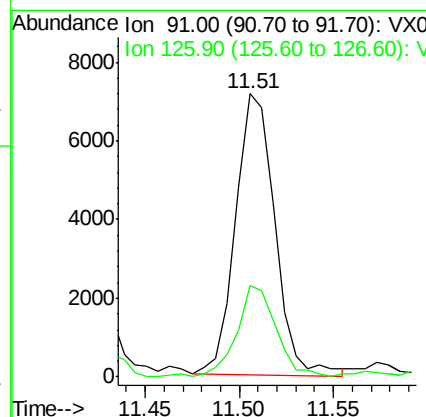
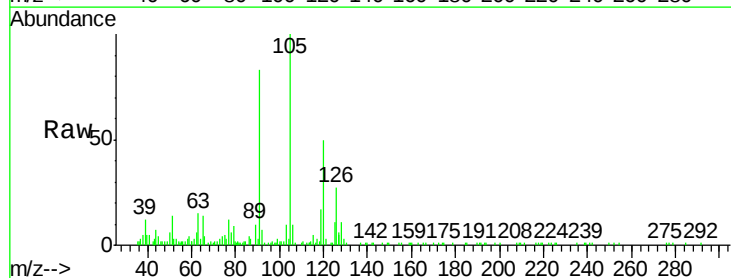
Manual Integrations
 APPROVED

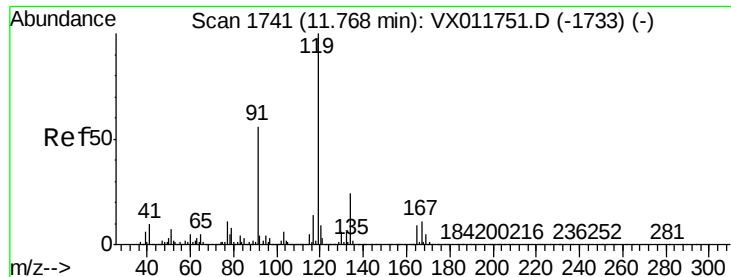
MMDadoda
 8/23/2019 1:55:37 PM



#82
 4-Chlorotoluene
 Concen: 0.928 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX011748.D
 Acq: 22 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.6





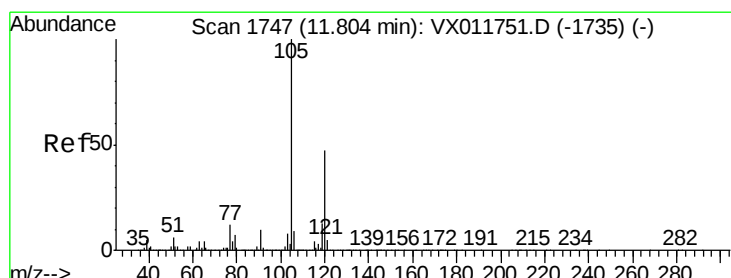
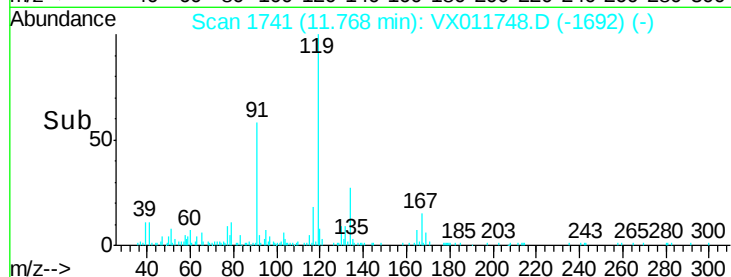
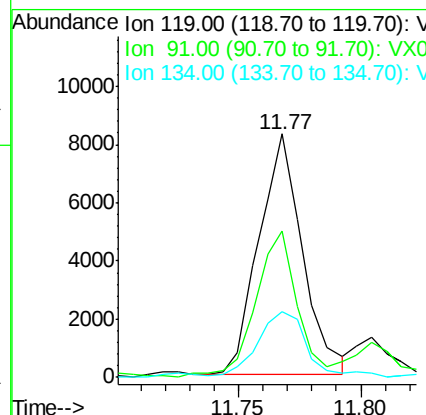
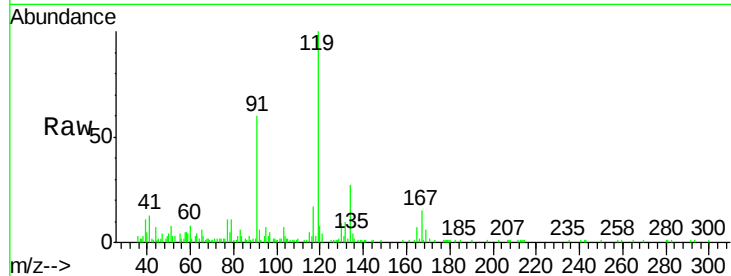
#83
 tert-Butylbenzene
 Concen: 0.831 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011748.D
 Acq: 22 Aug 2019 08:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	10319		
91	57.6		27.7	83.1
134	31.0		11.8	35.3

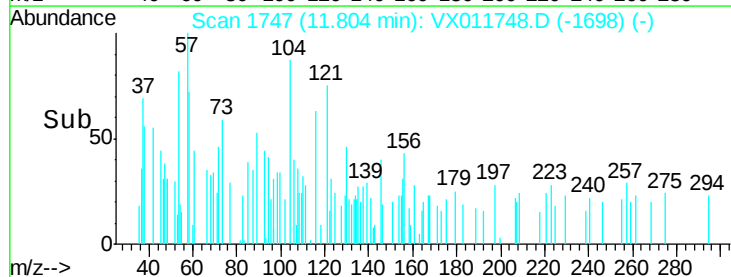
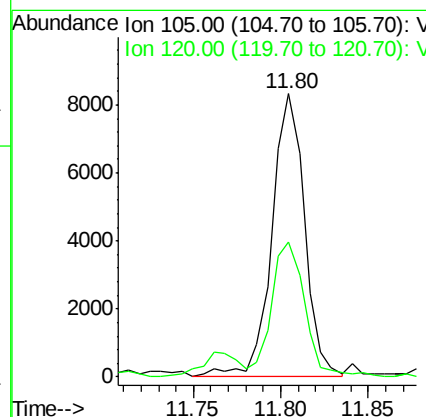
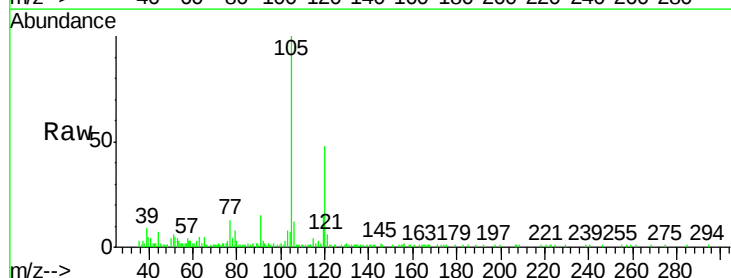
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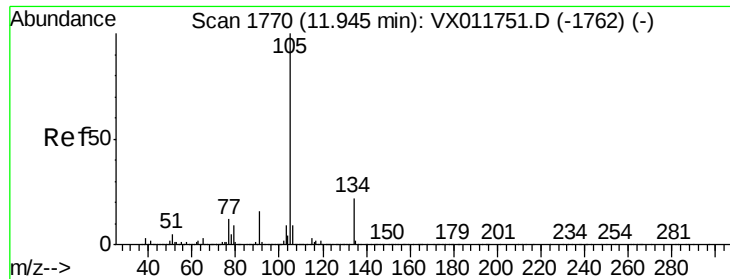
MMDadoda
 8/23/2019 1:55:37 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 0.885 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011748.D
 Acq: 22 Aug 2019 08:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	10856		
120	48.8		23.7	71.1





#85

sec-Butylbenzene

Concen: 0.894 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 12471

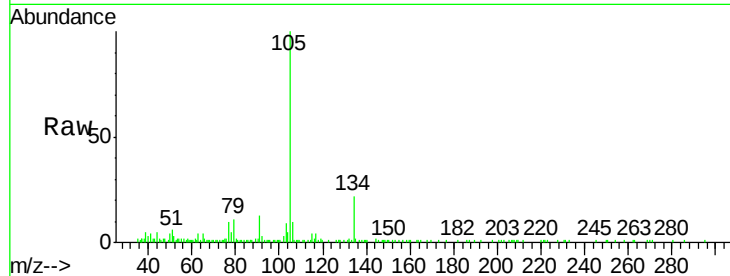
Ion Ratio Lower Upper

105 100

134 21.7 10.8 32.3

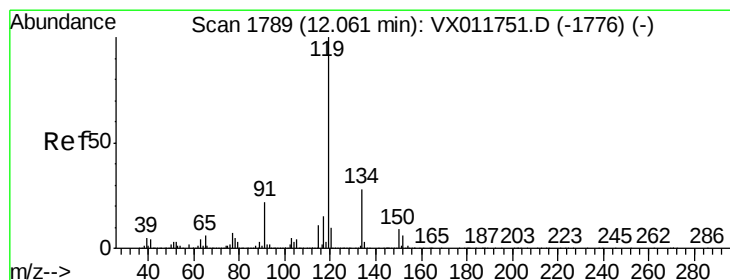
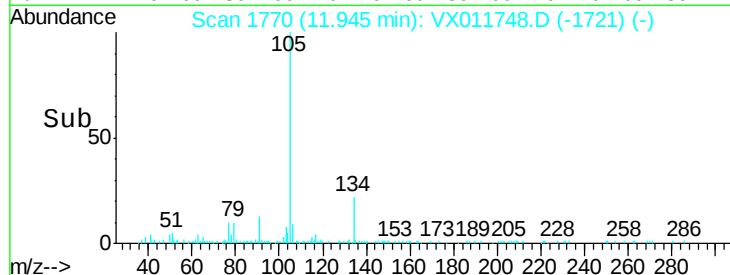
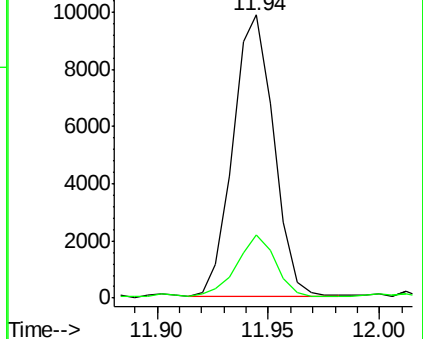
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.852 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

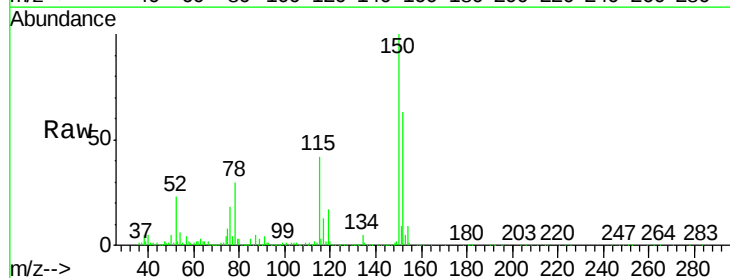
Tgt Ion:119 Resp: 11252

Ion Ratio Lower Upper

119 100

134 32.6 13.7 41.0

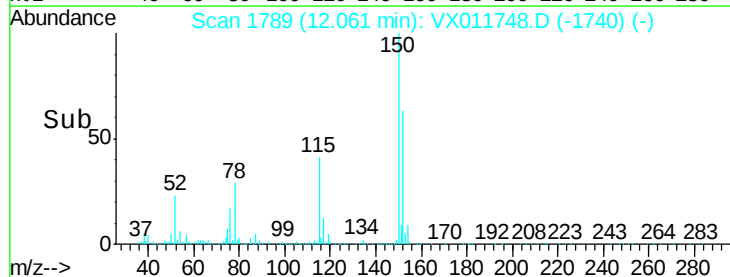
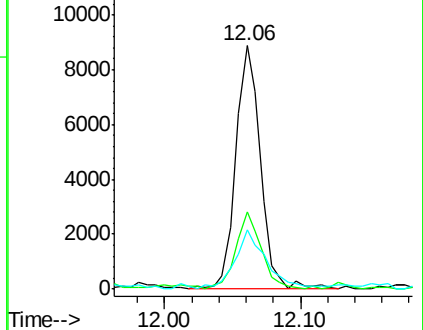
91 30.9 11.1 33.3

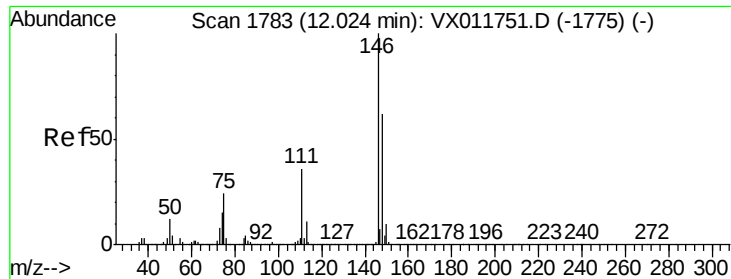


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 0.976 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

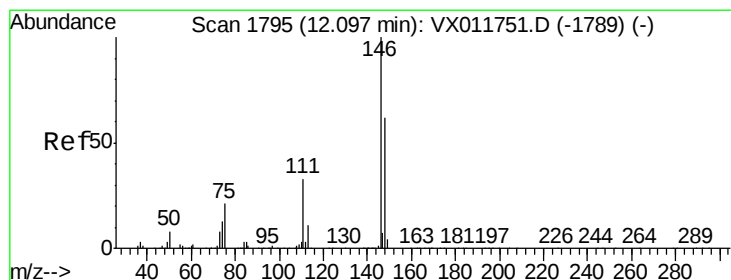
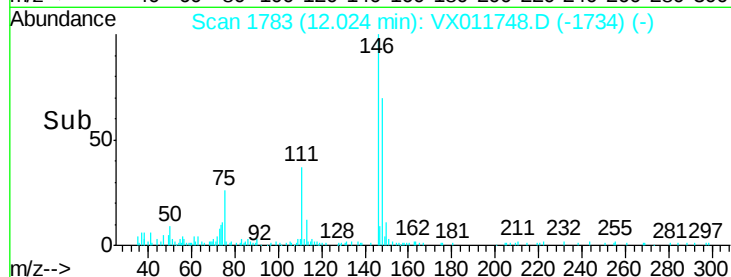
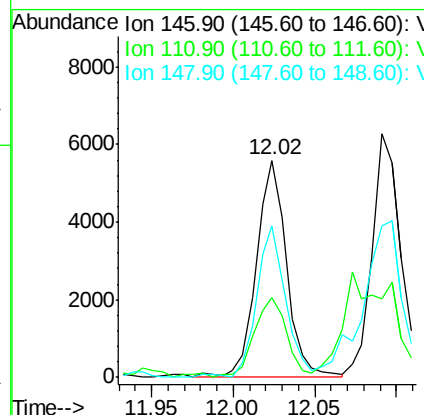
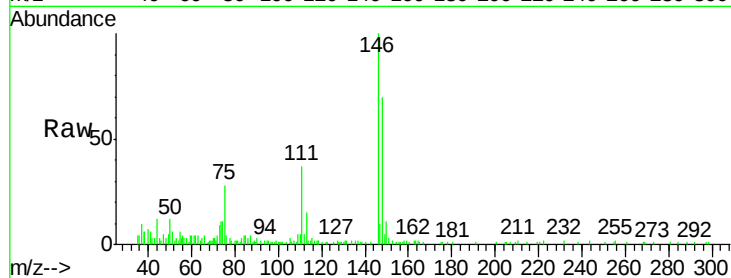
Instrument :
MSVOA_X

ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	18.1	54.4
148	67.0	31.6	94.7

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#88

1,4-Dichlorobenzene

Concen: 1.005 ug/l m

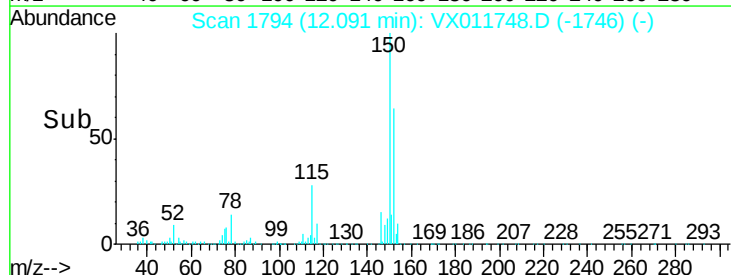
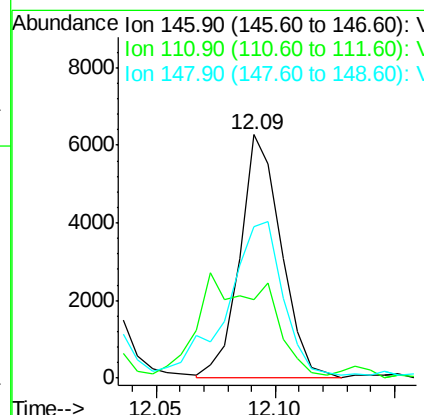
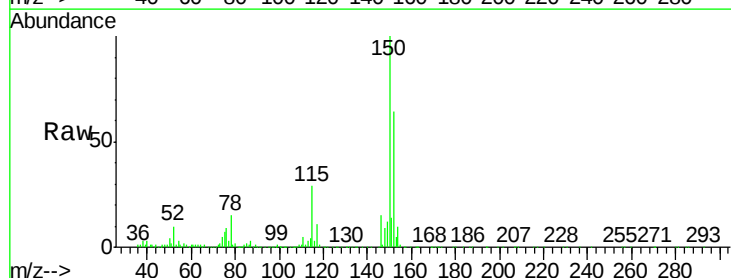
RT: 12.09 min Scan# 1794

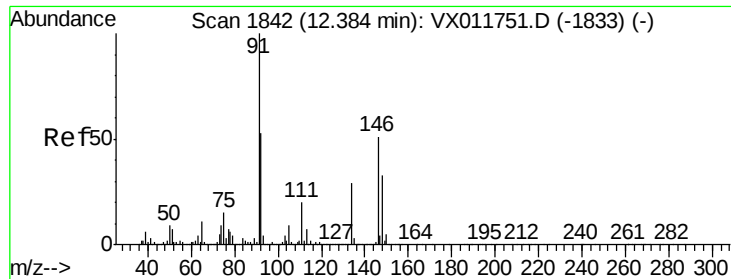
Delta R.T. -0.01 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	17.8	53.4
148	64.2	31.9	95.7





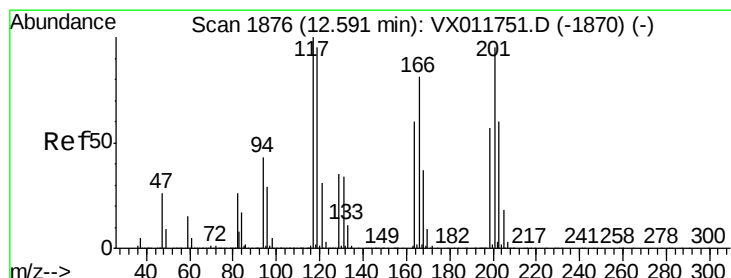
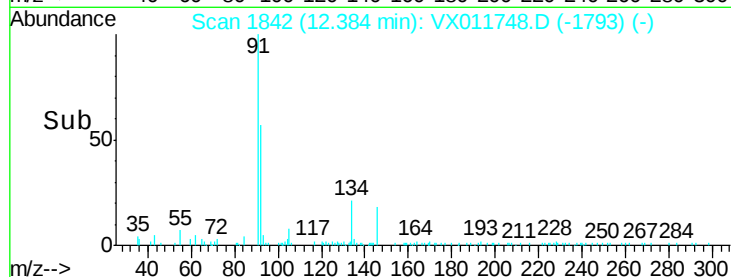
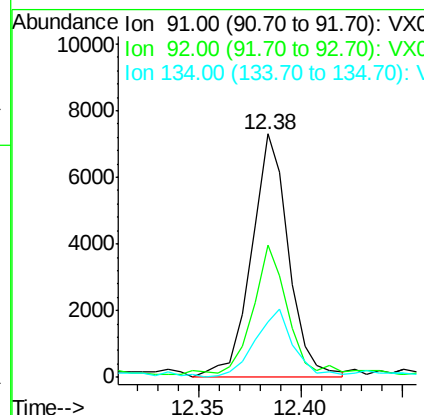
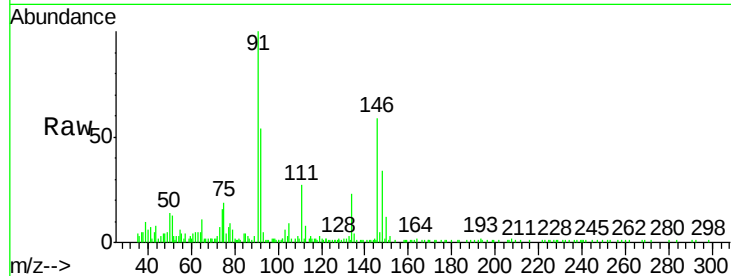
#89
n-Butylbenzene
Concen: 0.850 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011748.D
Acq: 22 Aug 2019 08:56

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	26.7	80.0
134	29.1	14.6	43.8

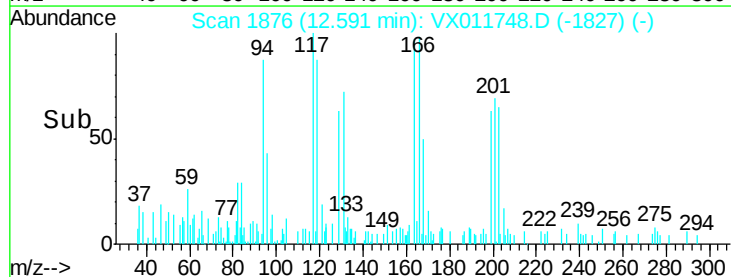
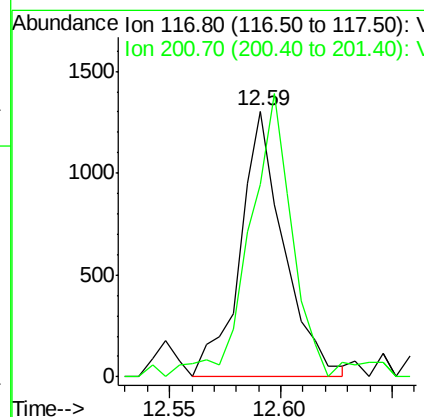
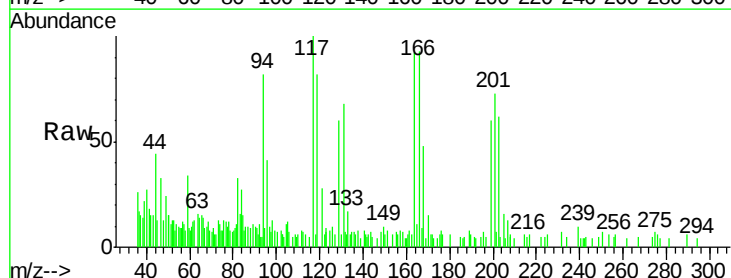
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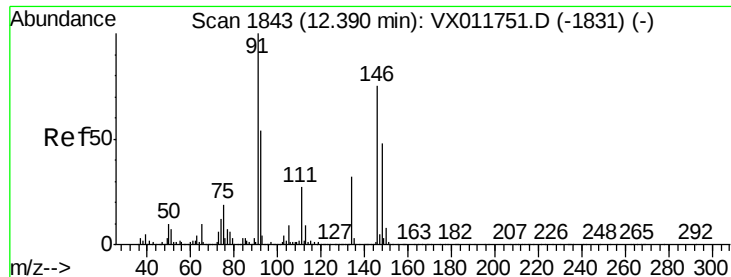
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#90
Hexachloroethane
Concen: 0.859 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011748.D
Acq: 22 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	102.7	49.6	149.0





#91

1,2-Dichlorobenzene

Concen: 0.982 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Instrument :

MSVOA_X

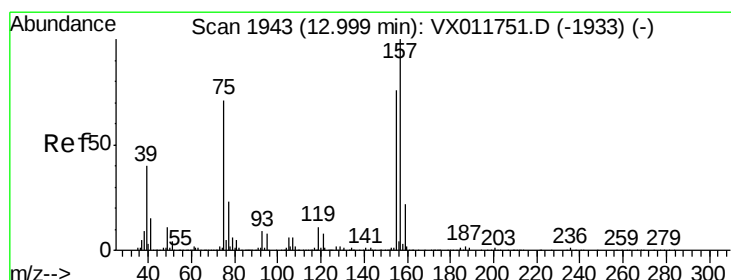
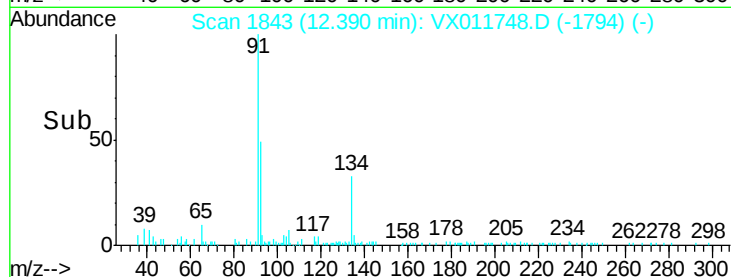
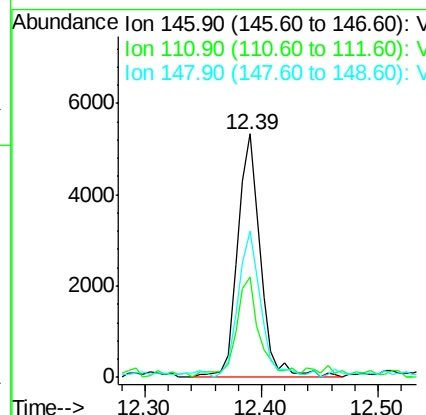
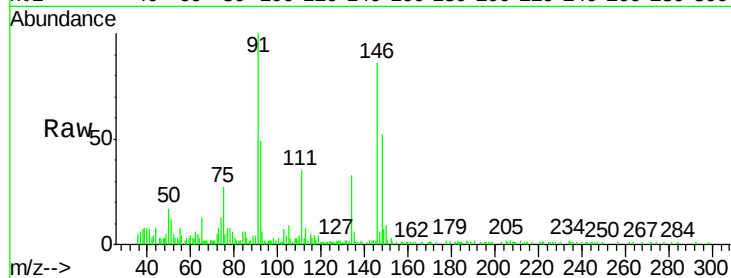
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	7331
Ion Ratio	Lower	Upper	
146	100		
111	41.4	18.8	56.4
148	59.5	31.6	95.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 0.980 ug/l

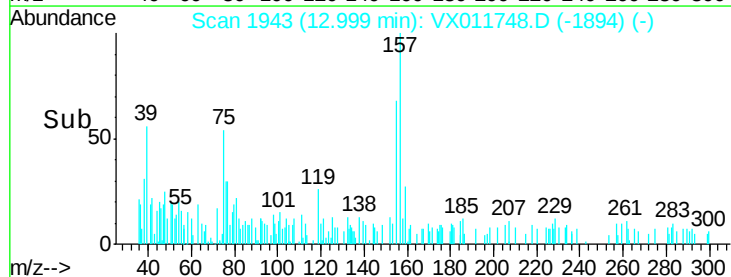
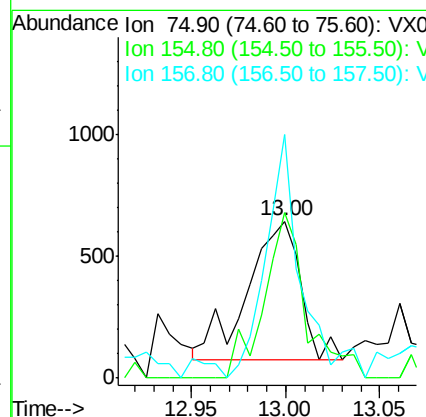
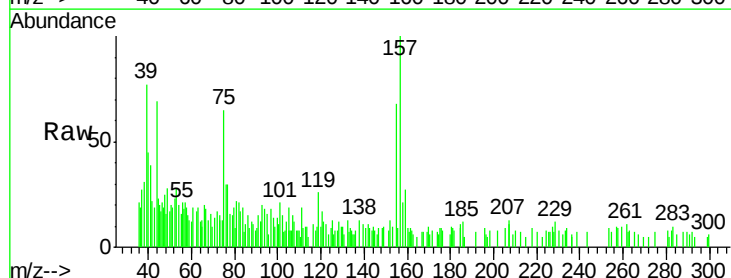
RT: 13.00 min Scan# 1943

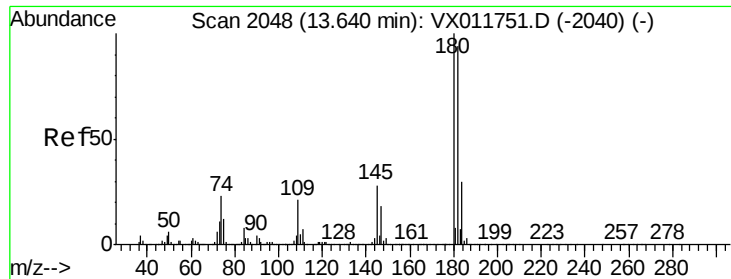
Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Tgt Ion:	75	Resp:	1121
Ion Ratio	Lower	Upper	
75	100		
155	93.9	52.6	157.9
157	115.3	68.3	204.9





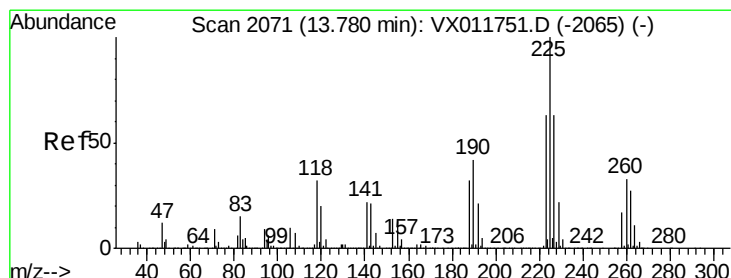
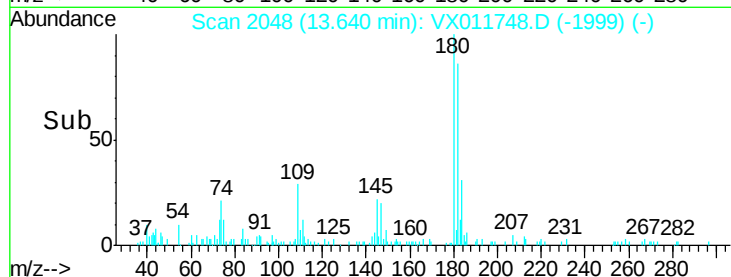
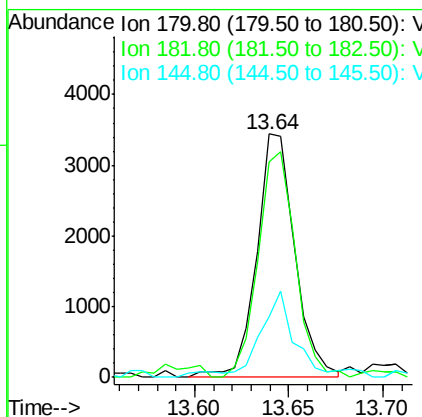
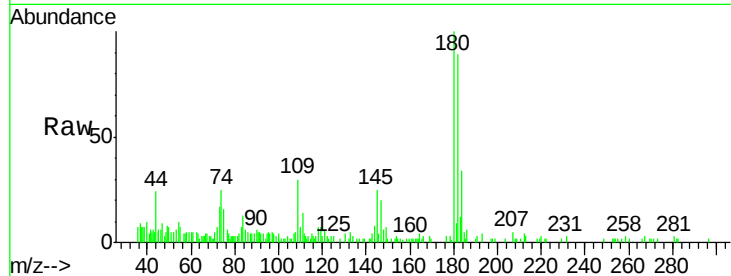
#93
 1,2,4-Trichlorobenzene
 Concen: 0.871 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: VX011748.D
 Acq: 22 Aug 2019 08:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.3	47.8	143.4
145	32.3	14.1	42.3

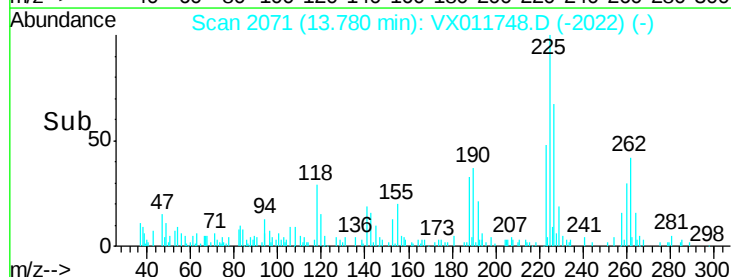
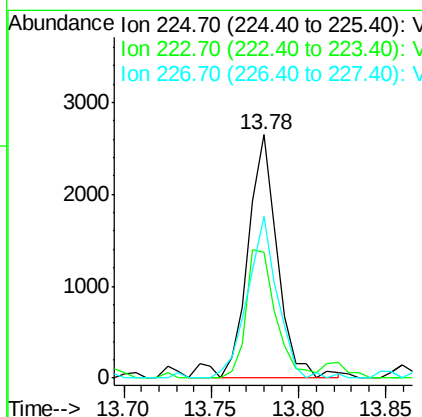
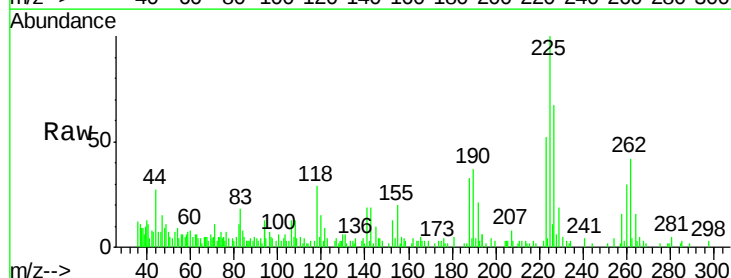
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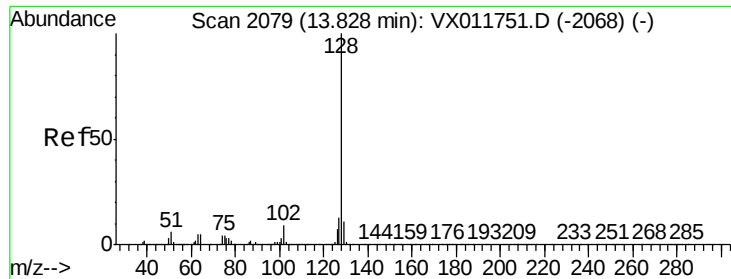
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 1.060 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011748.D
 Acq: 22 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	52.5	31.0	93.0
227	66.1	31.8	95.3





#95

Naphthalene

Concen: 0.733 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Instrument :

MSVOA_X

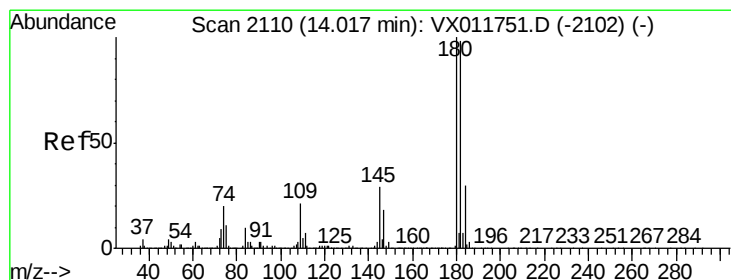
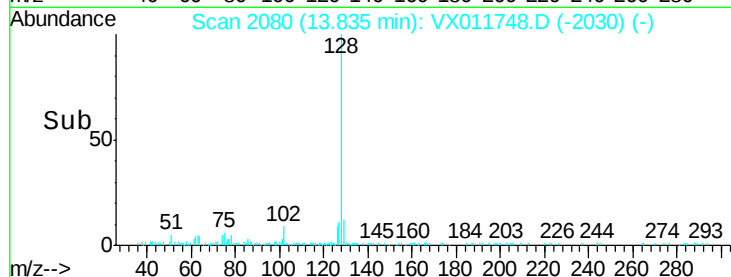
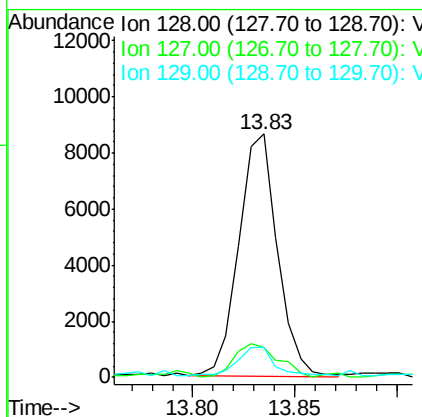
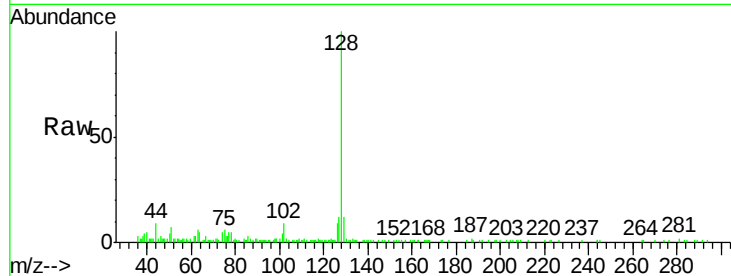
ClientSampleId :

VSTDIC001

Tot Ion:	128	Resp:	11417
Ion Ratio	Lower	Upper	
128	100		
127	15.4	10.4	15.6
129	11.1	8.7	13.1

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#96

1,2,3-Trichlorobenzene

Concen: 0.807 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011748.D

Acq: 22 Aug 2019 08:56

Tgt Ion:	180	Resp:	4516
Ion Ratio	Lower	Upper	
180	100		
182	105.0	48.5	145.5
145	40.1	14.6	43.8

