

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091818\
 Data File : VX004671.D
 Acq On : 18 Sep 2018 21:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 12:51:26 PM

Quant Time: Sep 19 07:20:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	278313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	369508	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	327192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	200921	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	150255	41.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.74%	
35) Dibromofluoromethane	5.50	113	138146	40.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.72%	
50) Toluene-d8	8.72	98	482206	42.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.04%	
62) 4-Bromofluorobenzene	11.14	95	178856	44.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	126634	48.55	ug/l	95
3) Chloromethane	1.32	50	169941	47.34	ug/l	97
4) Vinyl Chloride	1.40	62	182710	49.59	ug/l	100
5) Bromomethane	1.64	94	72840	47.15	ug/l	99
6) Chloroethane	1.71	64	112958	47.41	ug/l	98
7) Trichlorofluoromethane	1.92	101	235553	48.23	ug/l	100
8) Diethyl Ether	2.18	74	109505	50.01	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	150023	48.42	ug/l	97
10) Methyl Iodide	2.51	142	162235	44.33	ug/l	96
11) Tert butyl alcohol	3.07	59	223676	261.22	ug/l	98
12) 1,1-Dichloroethene	2.37	96	145314	49.97	ug/l	98
13) Acrolein	2.29	56	62183	183.97	ug/l	98
14) Allyl chloride	2.72	41	285924	47.82	ug/l	94
15) Acrylonitrile	3.15	53	508122	246.42	ug/l	99
16) Acetone	2.45	43	385365	220.02	ug/l	98
17) Carbon Disulfide	2.56	76	381121	45.34	ug/l	99
18) Methyl Acetate	2.78	43	251402	51.16	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	525188	51.47	ug/l	99
20) Methylene Chloride	2.85	84	172226	47.93	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	161066	50.12	ug/l	95
22) Diisopropyl ether	3.87	45	558157	51.84	ug/l	96
23) Vinyl Acetate	3.82	43	2185634	250.83	ug/l	98
24) 1,1-Dichloroethane	3.70	63	296974	48.85	ug/l	98
25) 2-Butanone	4.70	43	642059	230.33	ug/l	99
26) 2,2-Dichloropropane	4.58	77	189904	45.48	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	185563	51.73	ug/l	97
28) Bromochloromethane	5.02	49	125298	45.06	ug/l	97
29) Tetrahydrofuran	5.15	42	422312	251.22	ug/l	99
30) Chloroform	5.21	83	299507	50.46	ug/l	97
31) Cyclohexane	5.57	56	274478	52.88	ug/l	90
32) 1,1,1-Trichloroethane	5.50	97	246453	51.56	ug/l	99
36) 1,1-Dichloropropene	5.80	75	221408	49.35	ug/l	97
37) Ethyl Acetate	4.86	43	240228	47.08	ug/l	99
38) Carbon Tetrachloride	5.78	117	211005	48.16	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	240180	51.31	ug/l	97
40) Benzene	6.14	78	619255	46.52	ug/l	99
41) Methacrylonitrile	5.07	41	137818	49.03	ug/l	98
42) 1,2-Dichloroethane	6.20	62	204830	46.40	ug/l	99
43) Isopropyl Acetate	6.46	43	336841	49.71	ug/l	99
44) Trichloroethene	7.21	130	181450	52.47	ug/l	99
45) 1,2-Dichloropropane	7.52	63	159458	49.79	ug/l	99
46) Dibromomethane	7.66	93	100643	49.74	ug/l	97
47) Bromodichloromethane	7.90	83	189044	49.41	ug/l	100
48) Methyl methacrylate	7.77	41	171199	51.05	ug/l	97
49) 1,4-Dioxane	7.75	88	87508	1102.44	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1110340	232.18	ug/l	99
52) Toluene	8.79	92	381530	48.65	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	214413	47.97	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	235821	51.76	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	157338	46.60	ug/l	99
56) Ethyl methacrylate	9.18	69	241826	50.62	ug/l	96
57) 1,3-Dichloropropane	9.37	76	257577	46.95	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	564757	232.57	ug/l	98
59) 2-Hexanone	9.50	43	837797	228.40	ug/l	100
60) Dibromochloromethane	9.59	129	158040	49.72	ug/l	100
61) 1,2-Dibromoethane	9.68	107	160778	49.84	ug/l	99
64) Tetrachloroethene	9.34	164	220273	53.92	ug/l	98
65) Chlorobenzene	10.14	112	435860	53.63	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	153674	54.83	ug/l	100
67) Ethyl Benzene	10.26	91	732199	55.41	ug/l	99
68) m/p-Xylenes	10.36	106	569919	111.96	ug/l	98
69) o-Xylene	10.70	106	280762	57.37	ug/l	100
70) Styrene	10.71	104	469656	57.93	ug/l	99
71) Bromoform	10.86	173	126216	54.85	ug/l	98
73) Isopropylbenzene	11.02	105	751988	56.83	ug/l	100
74) N-amyl acetate	10.90	43	307877	55.28	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	210460	49.31	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	212933m	52.68	ug/l	
77) Bromobenzene	11.26	156	201816	55.18	ug/l	99
78) n-propylbenzene	11.36	91	852605	56.04	ug/l	100
79) 2-Chlorotoluene	11.42	91	504475	54.67	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	629191	56.56	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	70301	55.43	ug/l	92
82) 4-Chlorotoluene	11.51	91	587219	54.52	ug/l	99
83) tert-Butylbenzene	11.77	119	597033	56.37	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	651316	57.35	ug/l	99
85) sec-Butylbenzene	11.94	105	771273	57.15	ug/l	99
86) p-Isopropyltoluene	12.07	119	695342	58.35	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	374572	54.89	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	375720	53.29	ug/l	100
89) n-Butylbenzene	12.39	91	599696	55.22	ug/l	99
90) Hexachloroethane	12.60	117	106299	55.72	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	374732	54.25	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	50016	54.88	ug/l	93

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Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	286110	58.50	ug/l	98
94) Hexachlorobutadiene	13.79	225	142443	55.76	ug/l	97
95) Naphthalene	13.83	128	836189	60.96	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	288202	57.36	ug/l	99

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

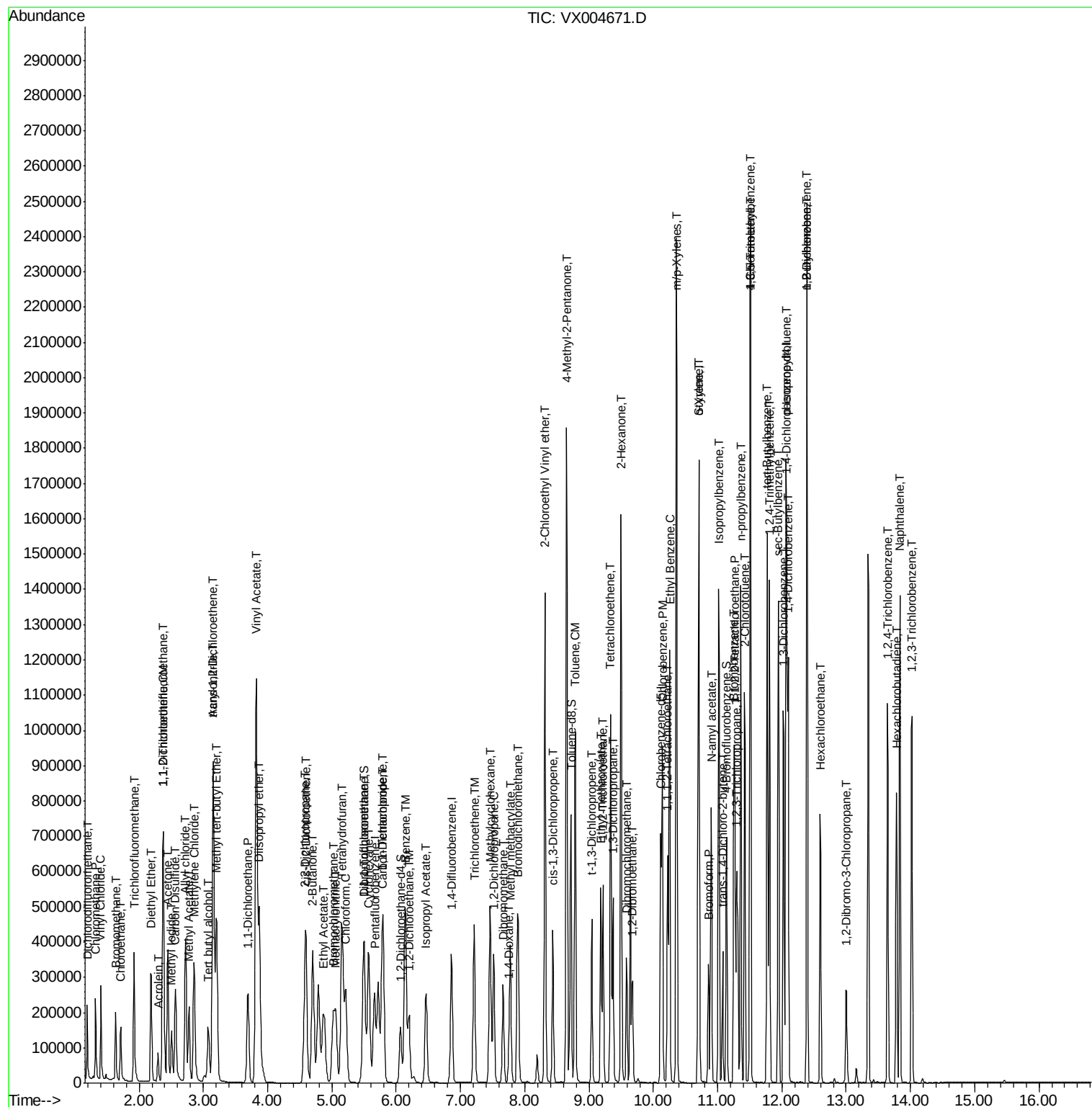
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091818\
 Data File : VX004671.D
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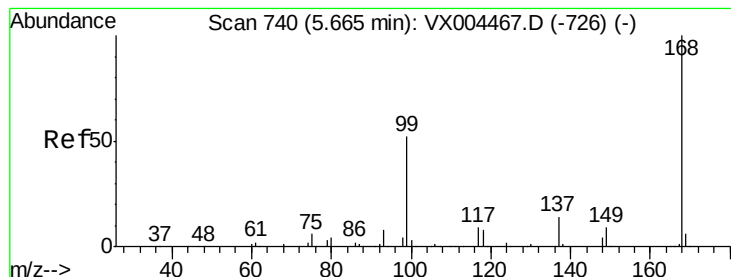
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 278313

Ion Ratio Lower Upper

168 100

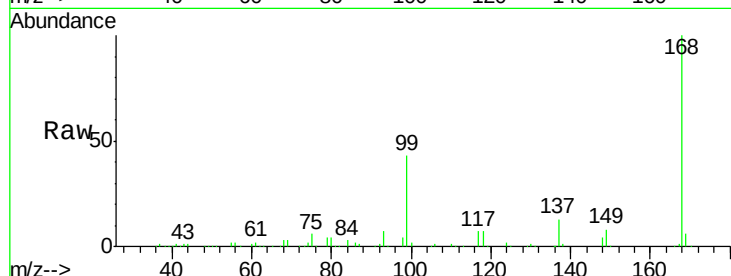
99 43.0 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

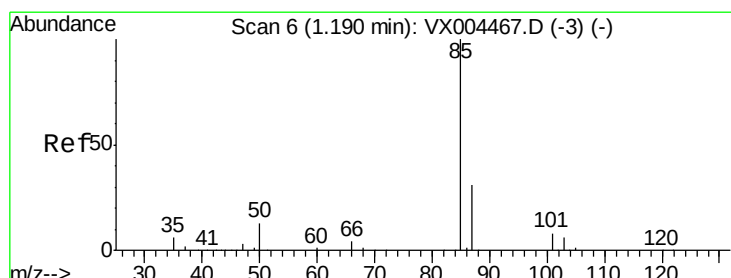
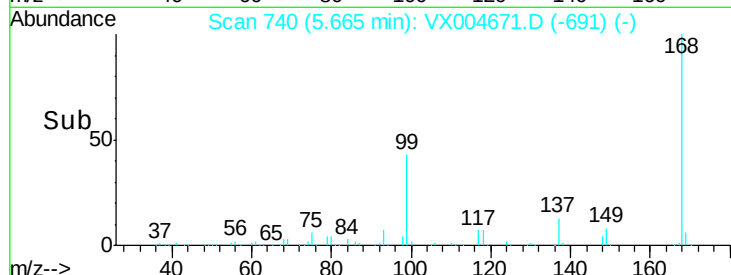
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.55 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX004671.D

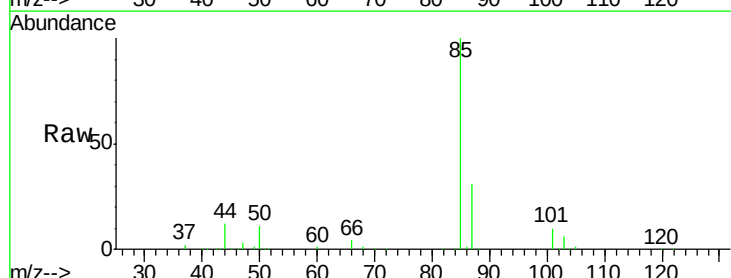
Acq: 18 Sep 2018 21:36

Tgt Ion: 85 Resp: 126634

Ion Ratio Lower Upper

85 100

87 31.1 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

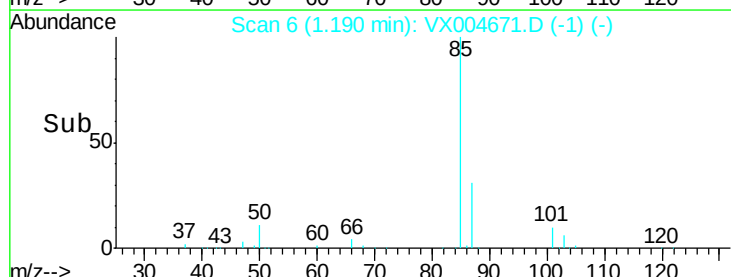
1.19

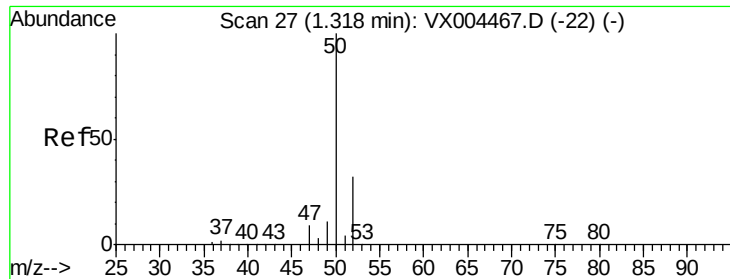
100000

50000

0

Time-->





#3

Chloromethane

Concen: 47.34 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 169941

Ion Ratio Lower Upper

50 100

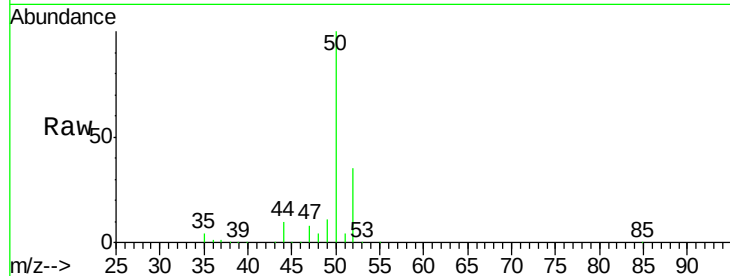
52 34.5 26.2 39.2

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

150000

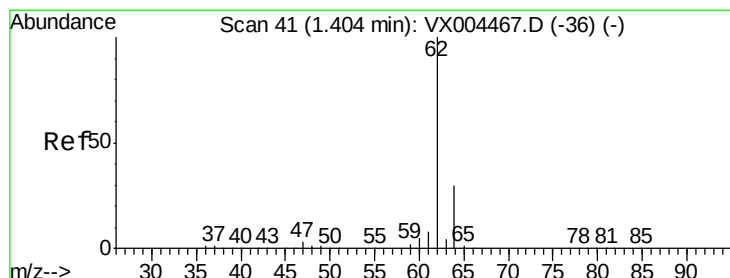
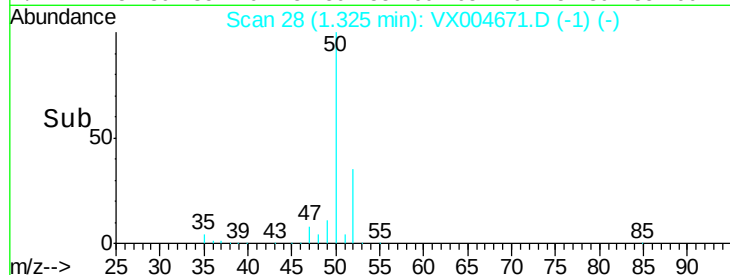
100000

50000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 49.59 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004671.D

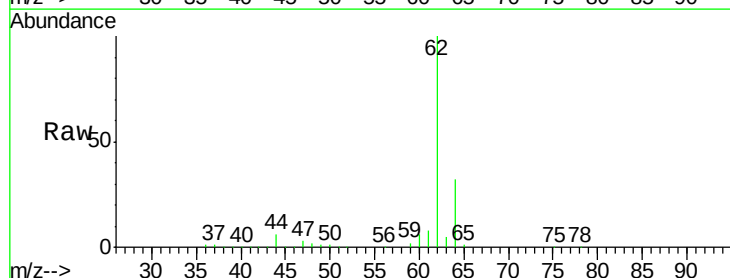
Acq: 18 Sep 2018 21:36

Tgt Ion: 62 Resp: 182710

Ion Ratio Lower Upper

62 100

64 32.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

150000

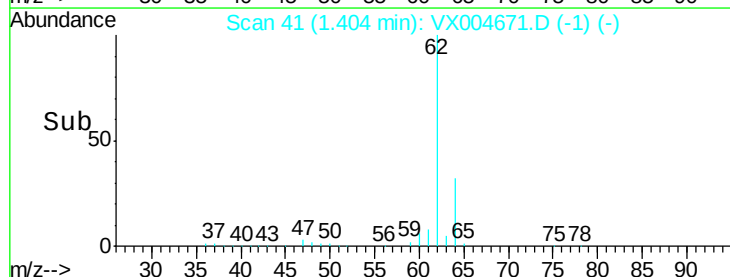
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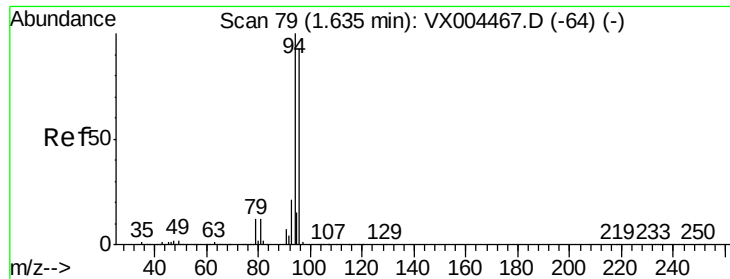
50000

0

1.30 1.40 1.50 1.60

Time-->





#5

Bromomethane

Concen: 47.15 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Tot Ion: 94 Resp: 72840

Ion Ratio Lower Upper

94 100

96 94.3 74.5 111.7

Instrument :

MSVOA_X

ClientSampleId :

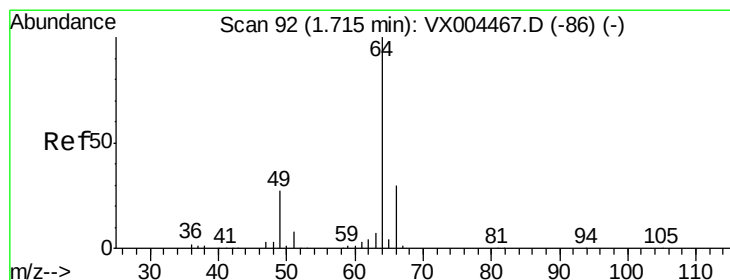
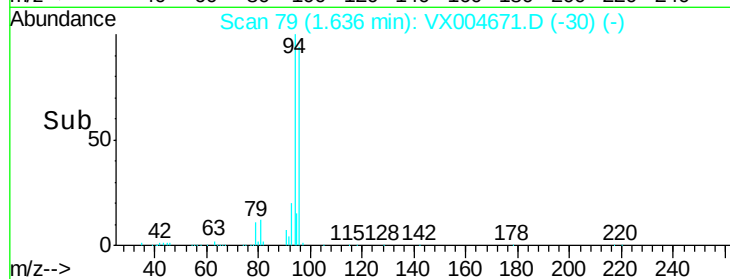
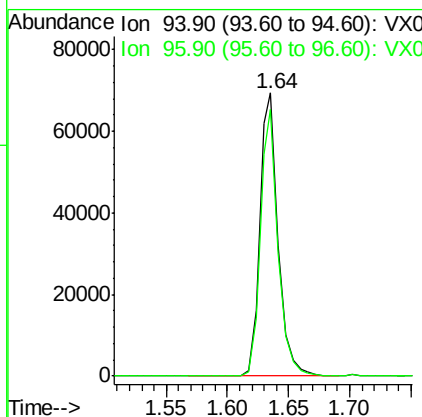
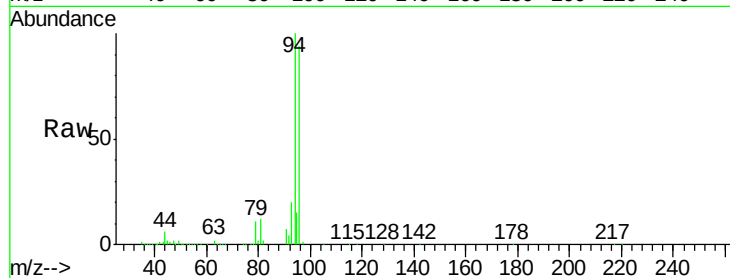
VSTDCCC050

Manual Integrations

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#6

Chloroethane

Concen: 47.41 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004671.D

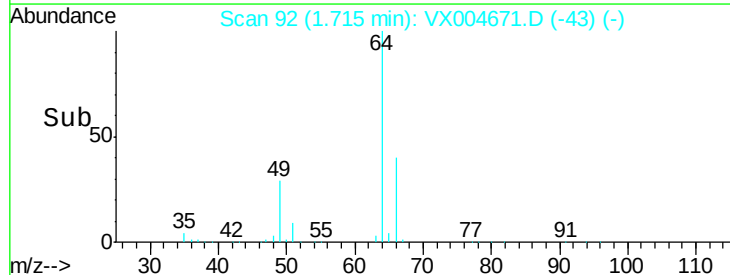
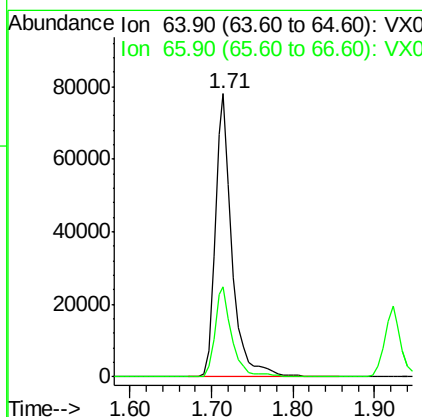
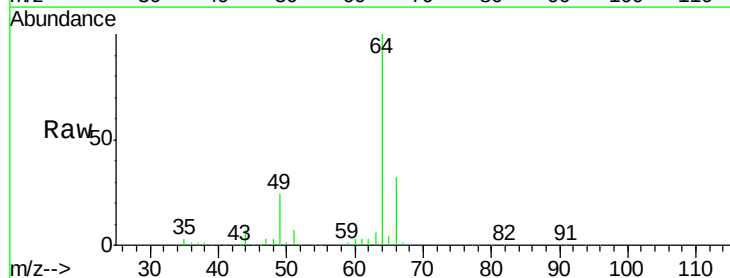
Acq: 18 Sep 2018 21:36

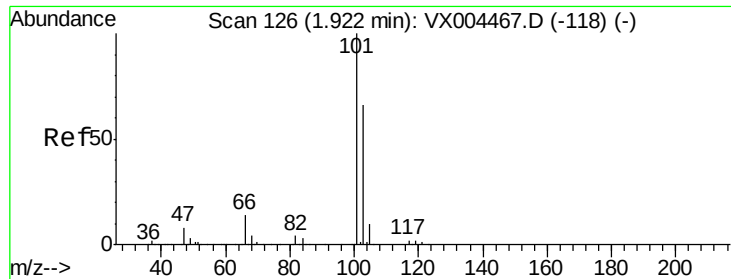
Tgt Ion: 64 Resp: 112958

Ion Ratio Lower Upper

64 100

66 31.8 24.6 36.8





#7

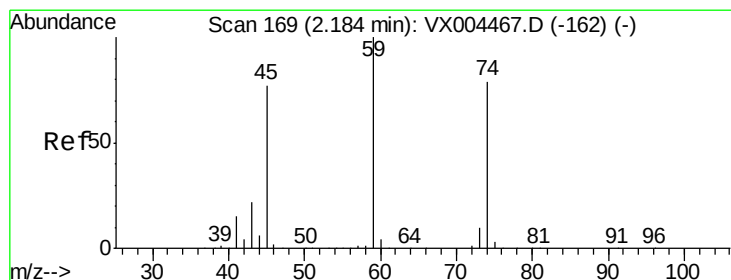
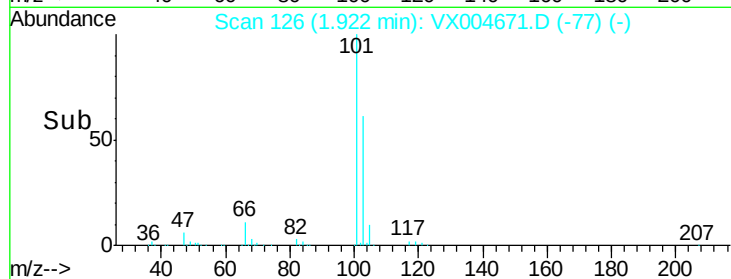
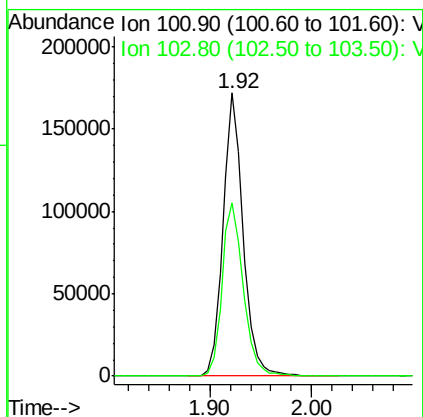
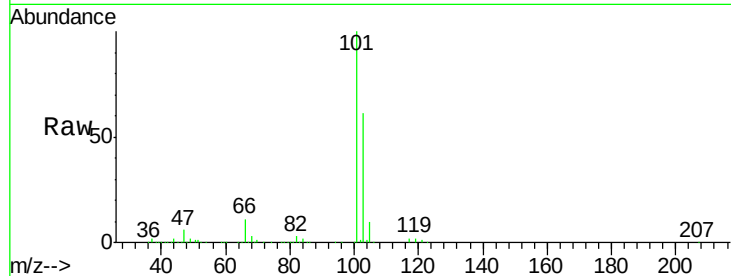
Trichlorofluoromethane
 Concen: 48.23 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX004671.D
 Acq: 18 Sep 2018 21:36

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	23553		
103	61.4	48.9	73.3	

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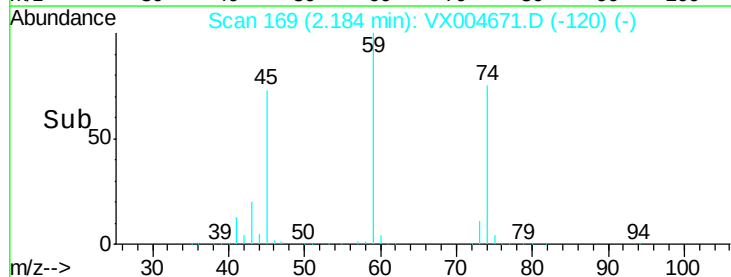
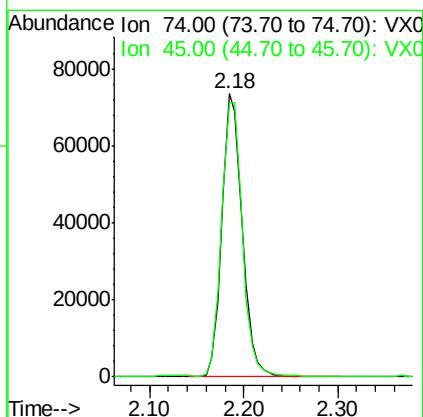
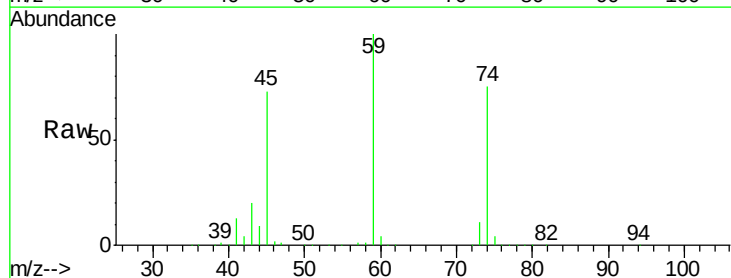
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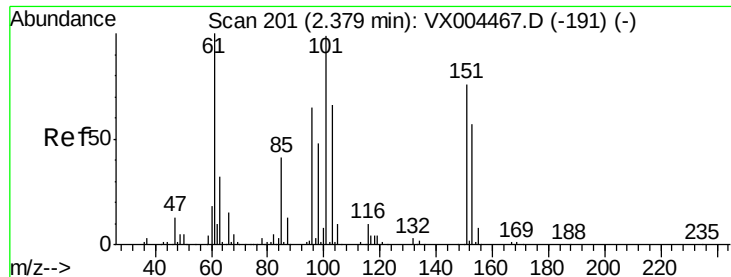


#8

Diethyl Ether
 Concen: 50.01 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX004671.D
 Acq: 18 Sep 2018 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	109505		
45	99.2	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.42 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004671.D

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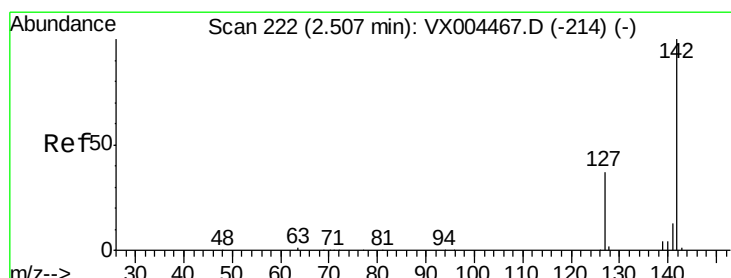
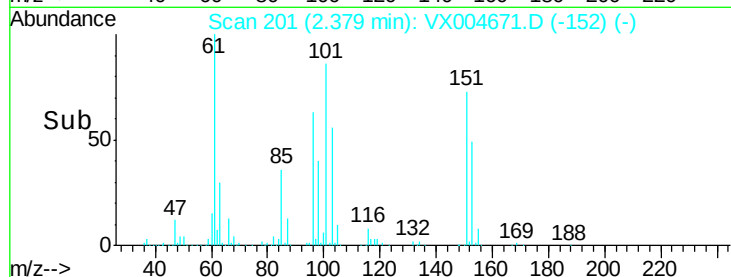
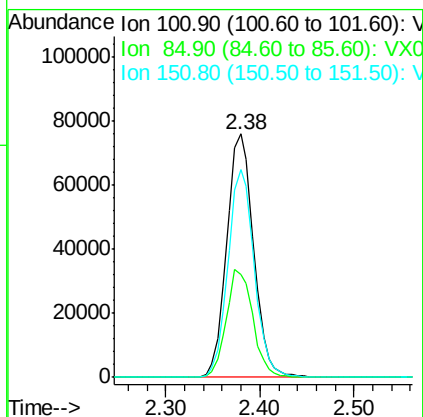
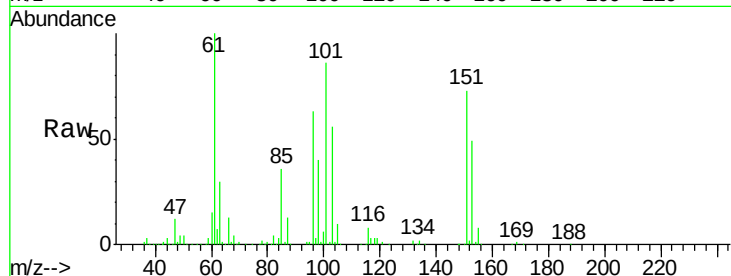
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	150023
Ion Ratio	Lower	Upper	
101	100		
85	43.9	34.2	51.4
151	84.0	65.0	97.6

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 44.33 ug/l

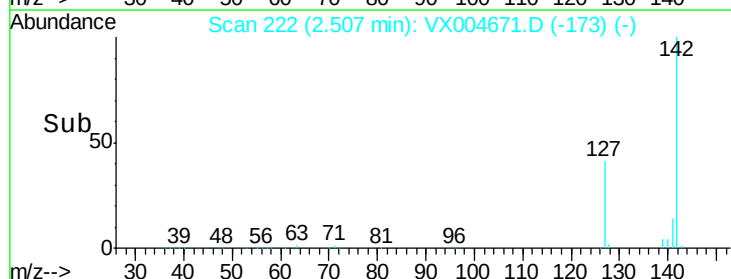
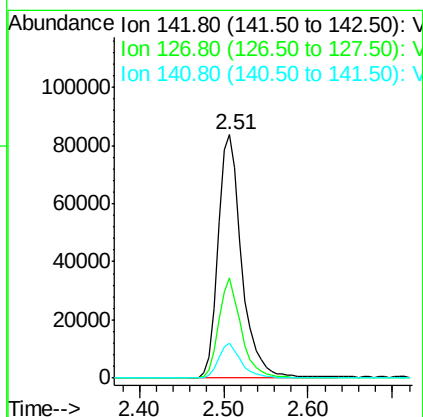
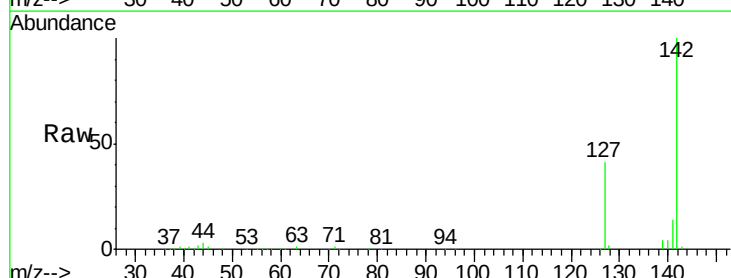
RT: 2.51 min Scan# 222

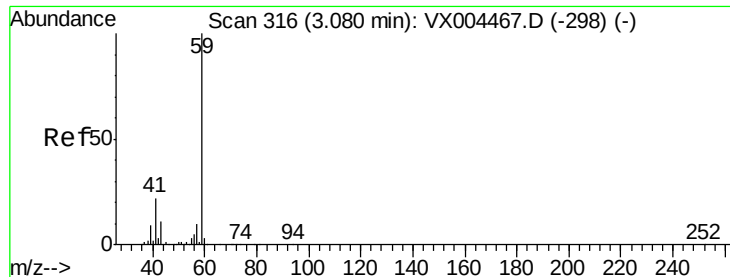
Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Tgt Ion:	142	Resp:	162235
Ion Ratio	Lower	Upper	
142	100		
127	39.1	33.8	50.6
141	13.6	11.4	17.0





#11

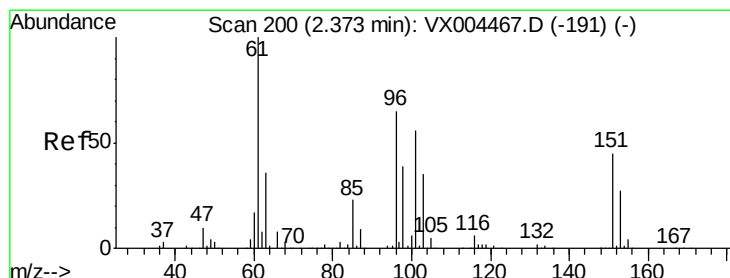
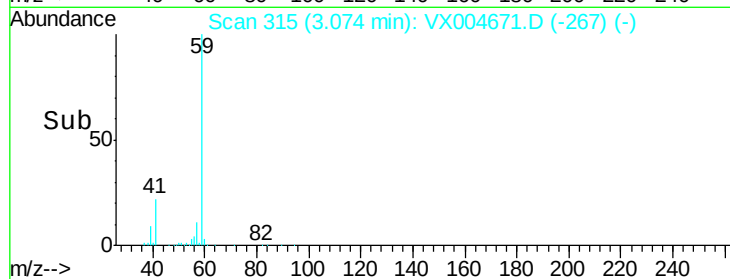
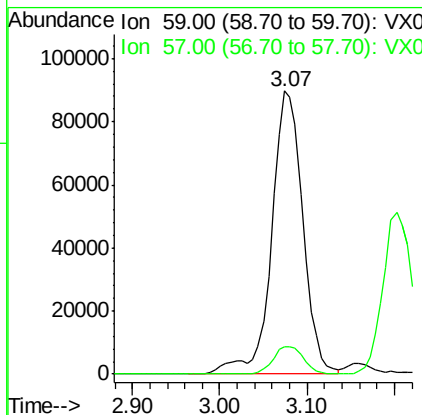
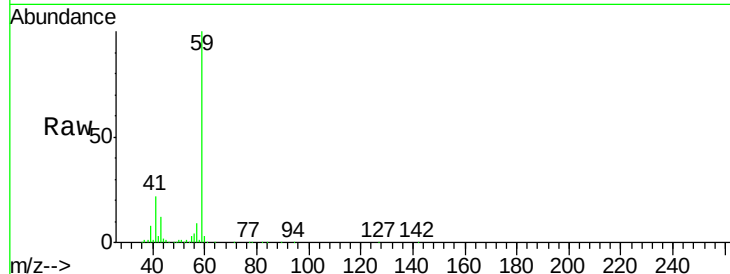
Tert butyl alcohol
Concen: 261.22 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004671.D
Acq: 18 Sep 2018 21:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.2	12.4

Manual Integrations
APPROVED

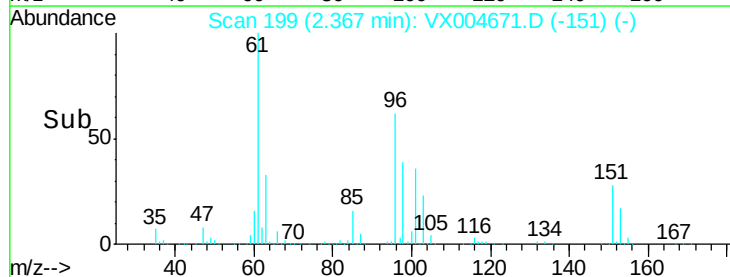
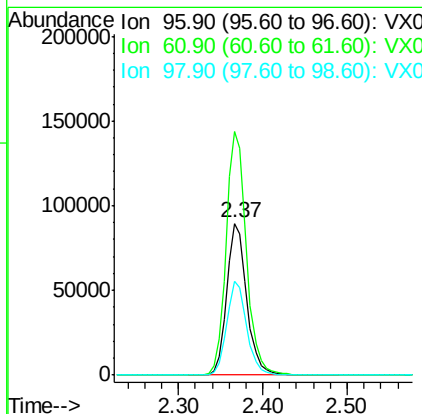
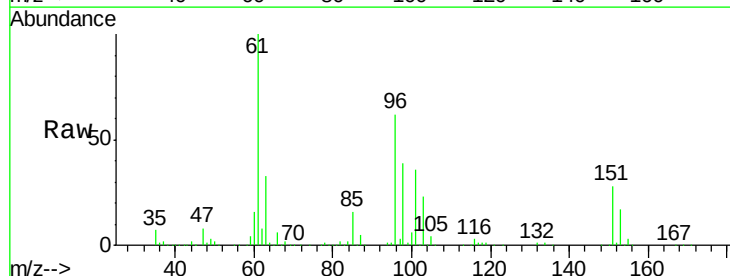
MMDadoda
9/19/2018 12:51:26 PM

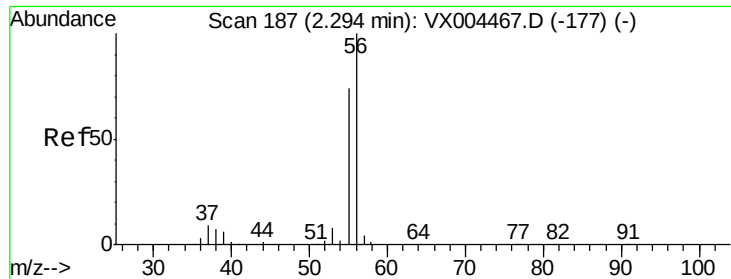


#12

1,1-Dichloroethene
Concen: 49.97 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX004671.D
Acq: 18 Sep 2018 21:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.3	128.8	193.2
98	61.8	52.2	78.2





#13

Acrolein

Concen: 183.97 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 62183

Ion Ratio Lower Upper

56 100

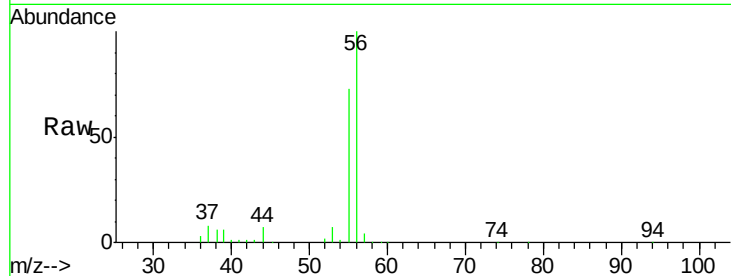
55 70.3 54.7 82.1

Manual Integrations

APPROVED

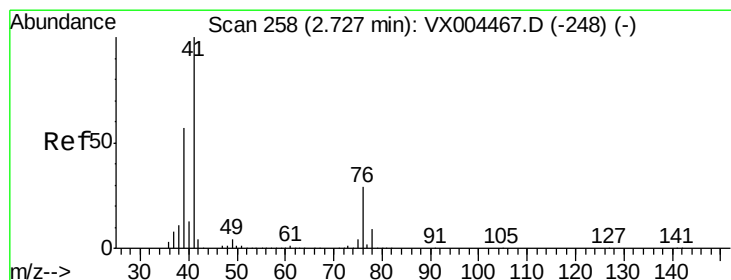
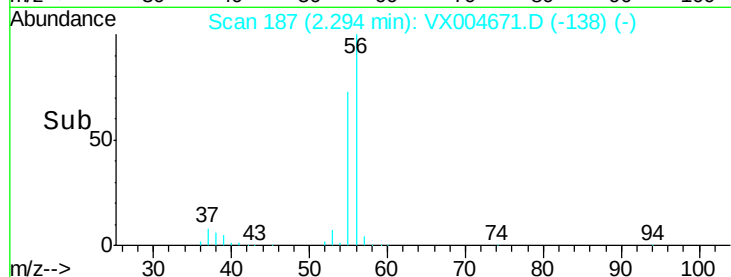
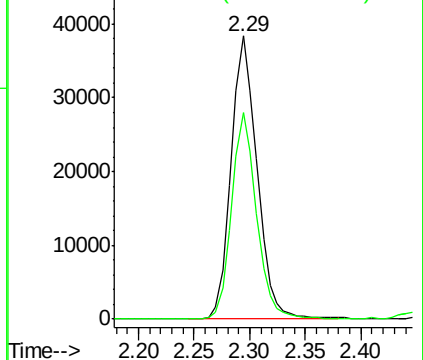
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 47.82 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

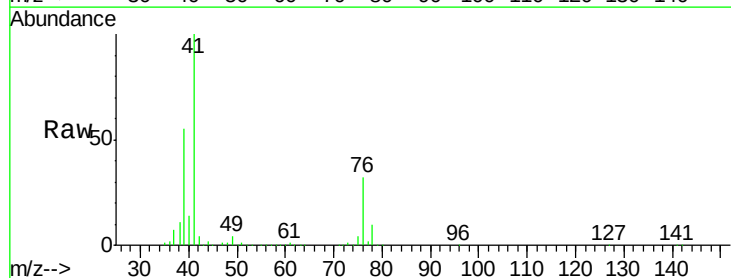
Tgt Ion: 41 Resp: 285924

Ion Ratio Lower Upper

41 100

39 54.2 48.9 73.3

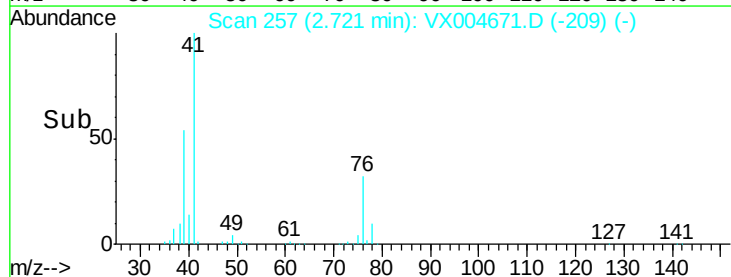
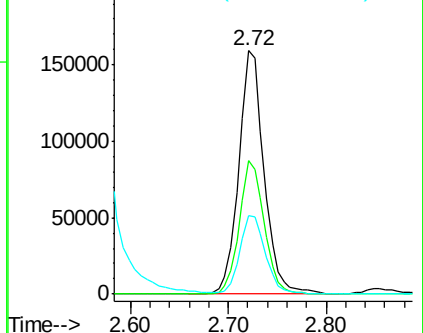
76 32.6 26.7 40.1

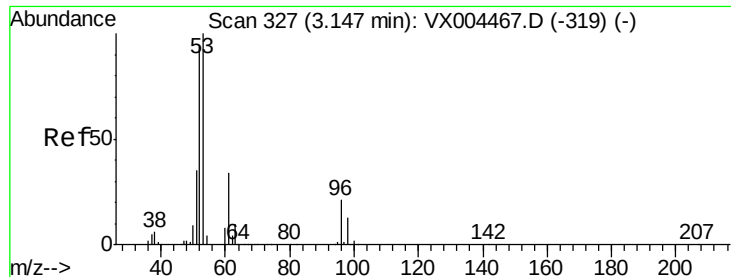


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 246.42 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Instrument :

MSVOA_X

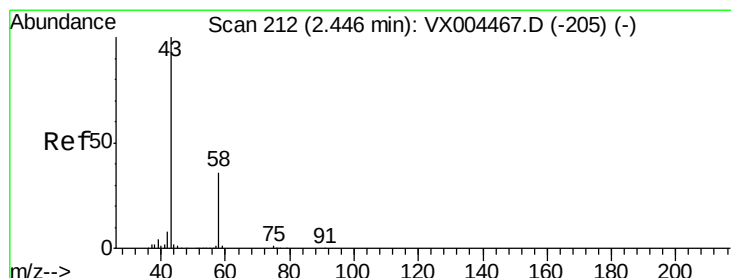
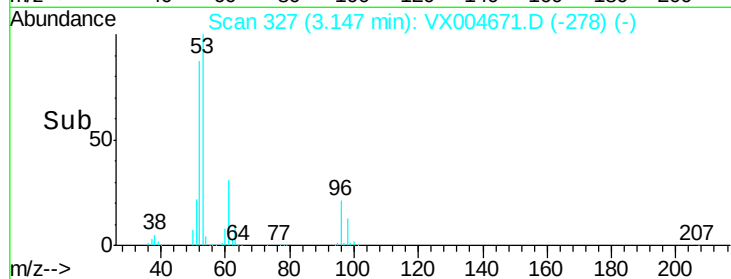
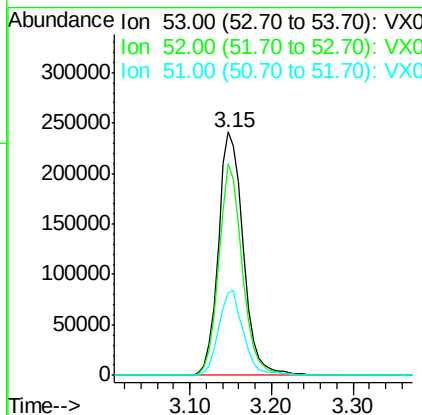
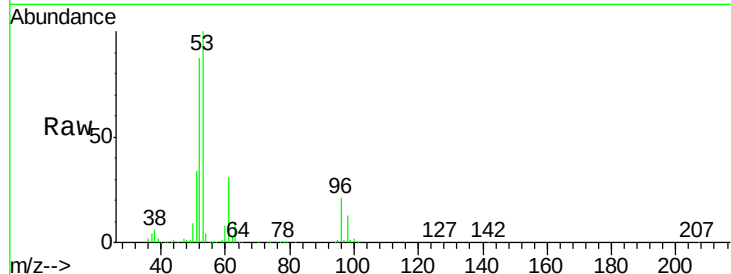
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	508122
Ion Ratio		Lower	Upper
53	100		
52	82.5	65.2	97.8
51	34.8	28.2	42.2

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 220.02 ug/l

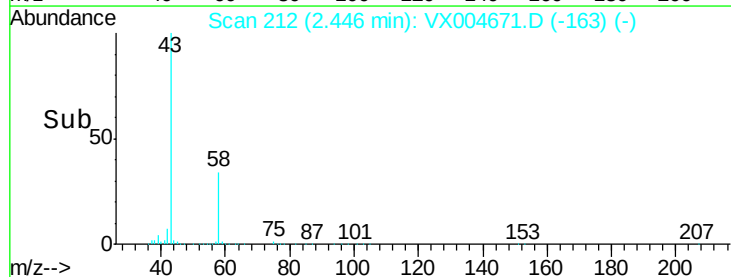
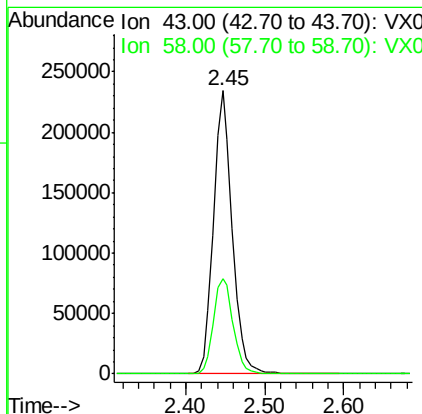
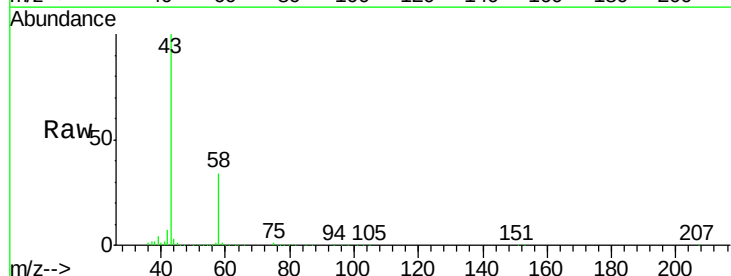
RT: 2.45 min Scan# 212

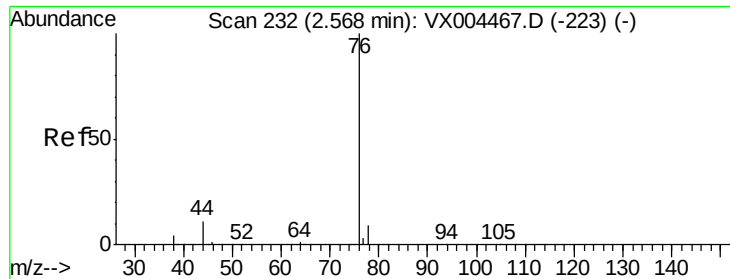
Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Tgt Ion:	43	Resp:	385365
Ion Ratio		Lower	Upper
43	100		
58	33.8	26.2	39.4





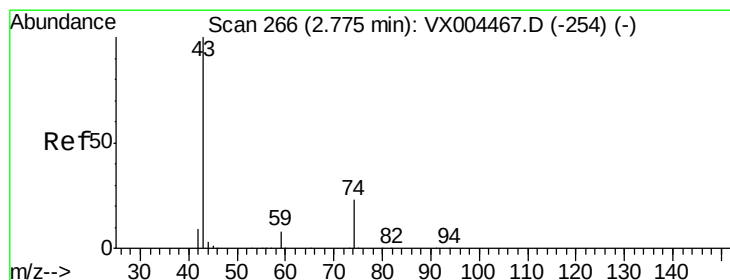
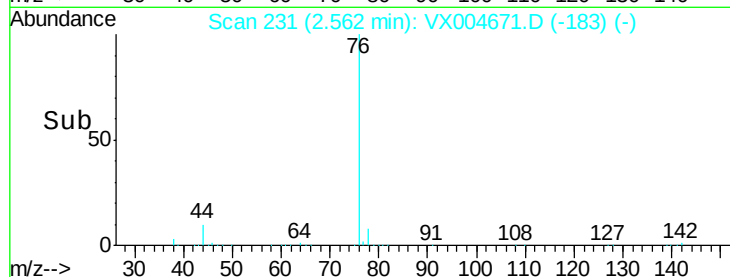
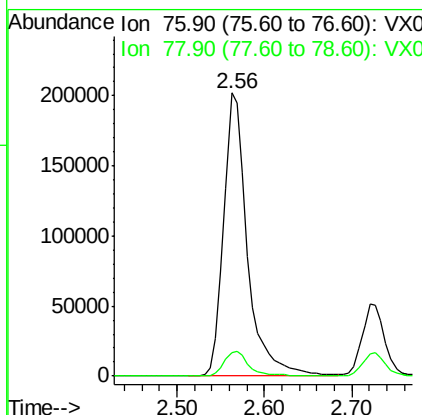
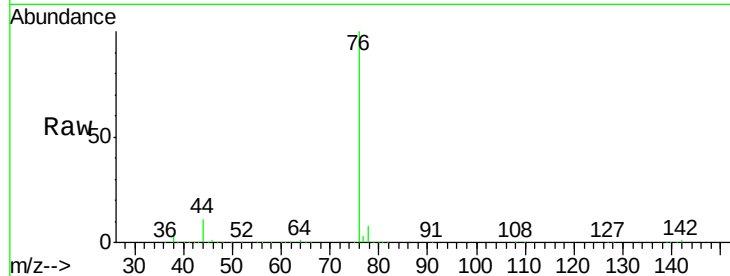
#17
Carbon Disulfide
Concen: 45.34 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX004671.D
Acq: 18 Sep 2018 21:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.0	10.6

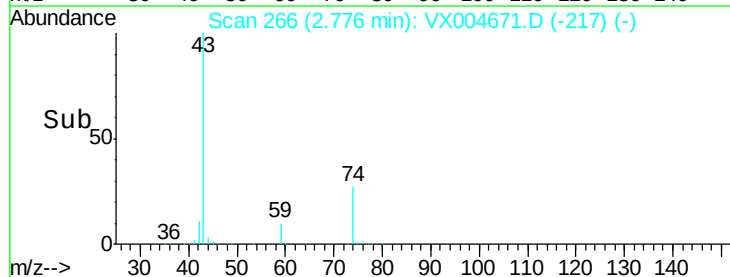
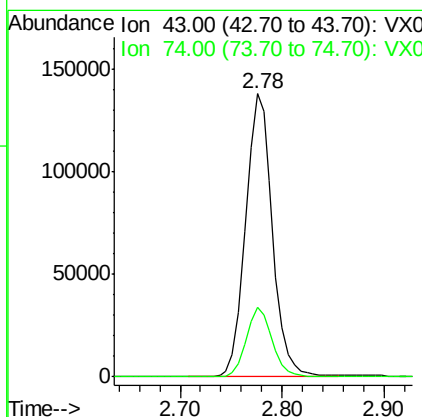
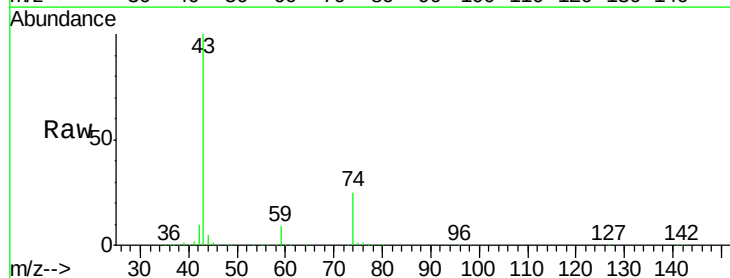
Manual Integrations
APPROVED

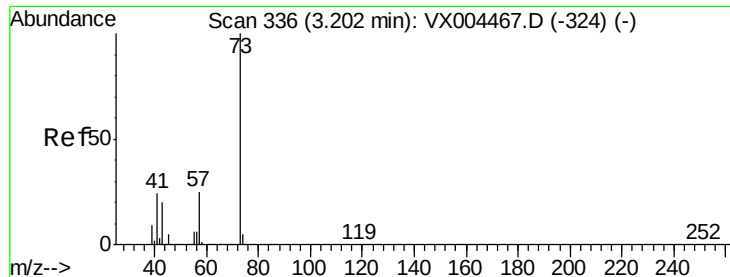
MMDadoda
9/19/2018 12:51:26 PM



#18
Methyl Acetate
Concen: 51.16 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004671.D
Acq: 18 Sep 2018 21:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.4	29.2





#19

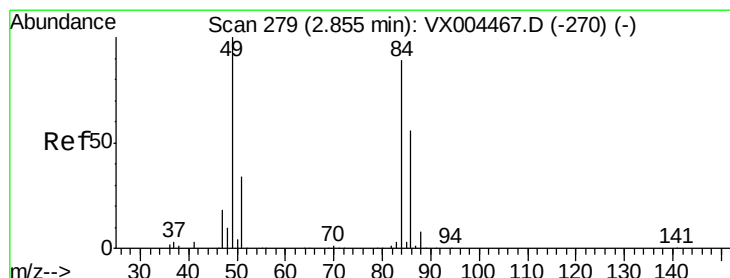
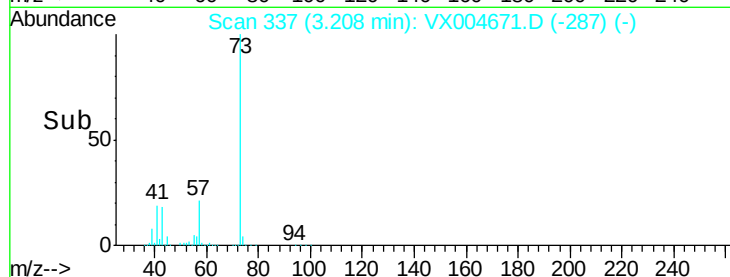
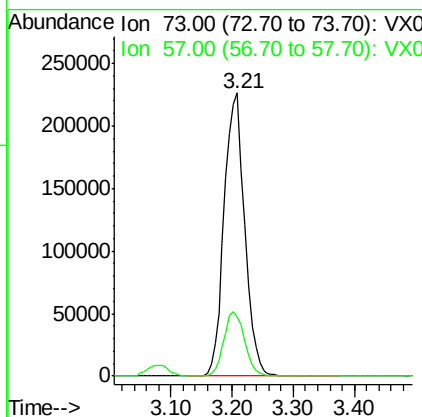
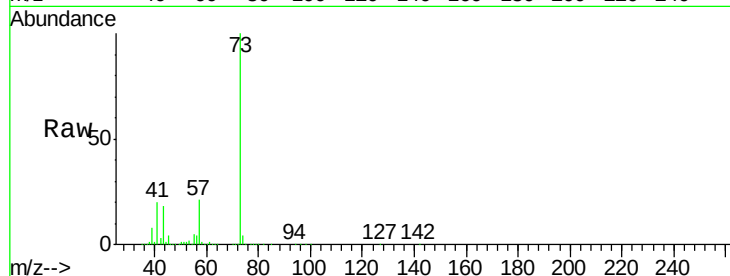
Methyl tert-butyl Ether
 Concen: 51.47 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX004671.D
 Acq: 18 Sep 2018 21:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.1	25.7

Manual Integrations
 APPROVED

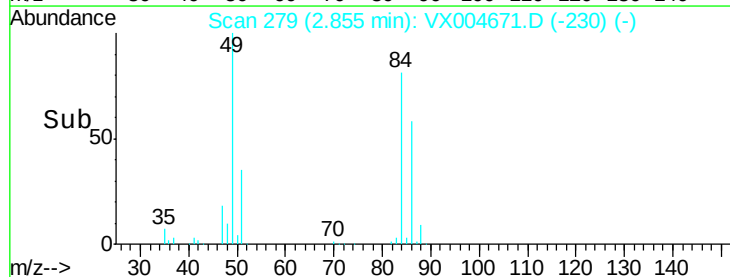
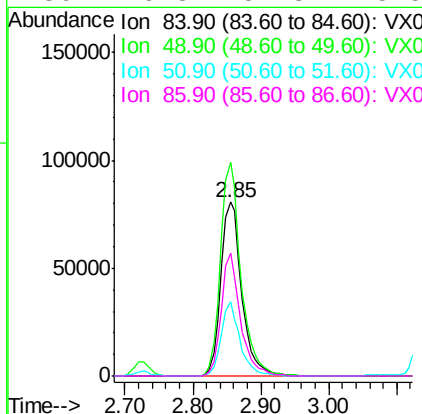
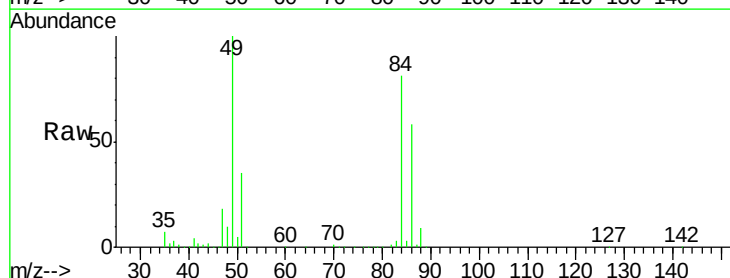
MMDadoda
 9/19/2018 12:51:26 PM

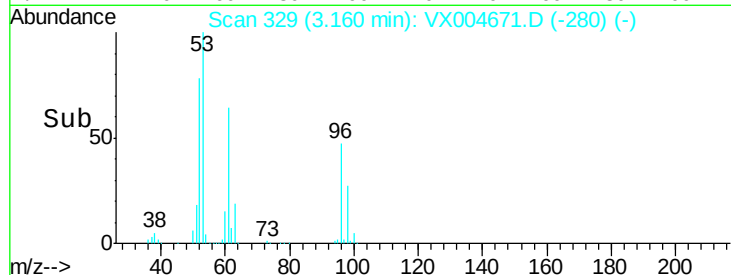
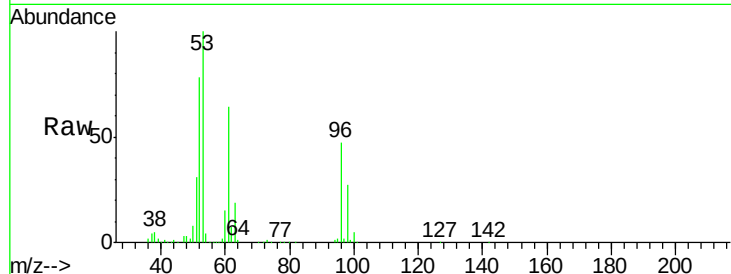
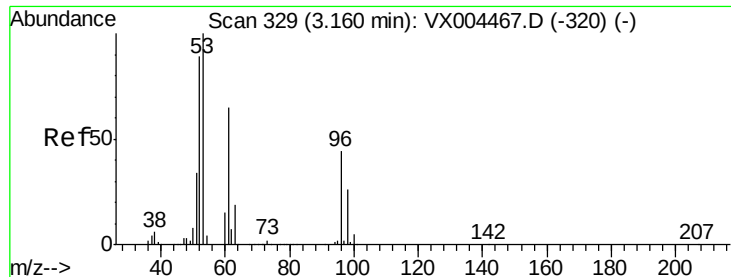


#20

Methylene Chloride
 Concen: 47.93 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX004671.D
 Acq: 18 Sep 2018 21:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.8	101.2	151.8
51	42.6	29.5	44.3
86	70.8	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 50.12 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004671.D

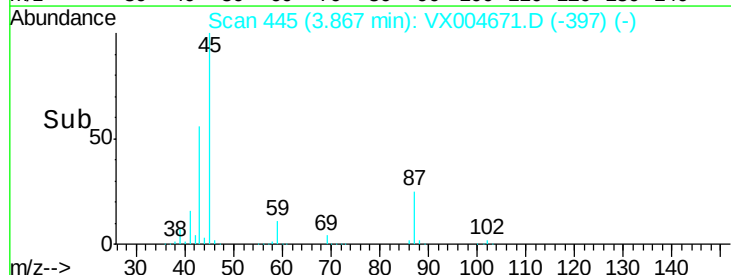
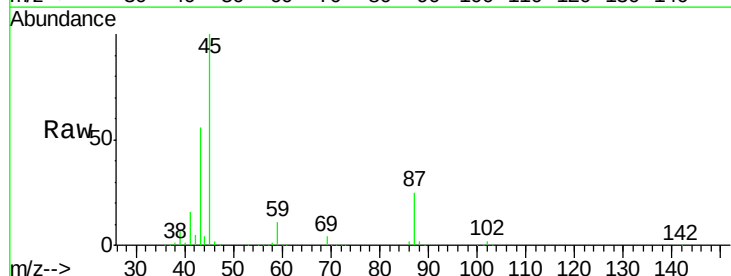
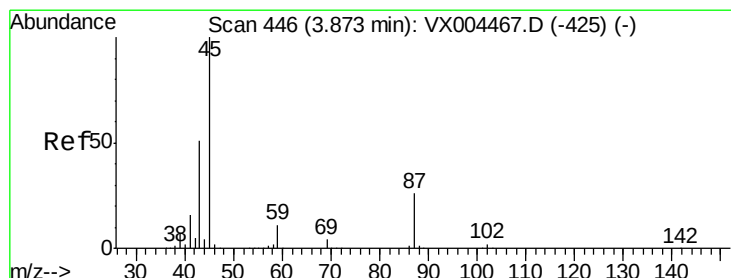
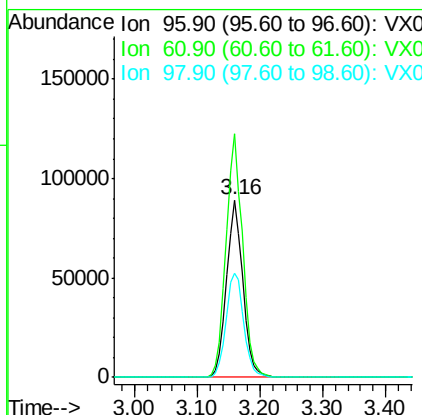
Acq: 18 Sep 2018 21:36

Tot Ion:	96	Resp:	161066
Ion	Ratio	Lower	Upper
96	100		
61	137.1	113.8	170.6
98	58.8	51.8	77.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
9/19/2018 12:51:26 PM



#22

Diisopropyl ether

Concen: 51.84 ug/l

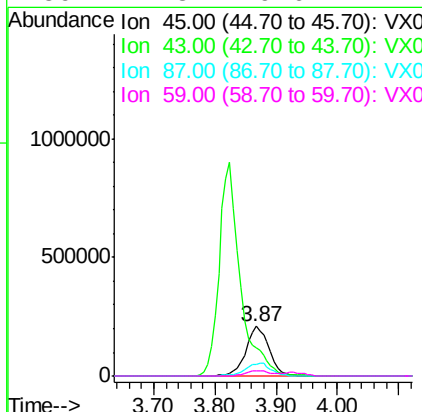
RT: 3.87 min Scan# 445

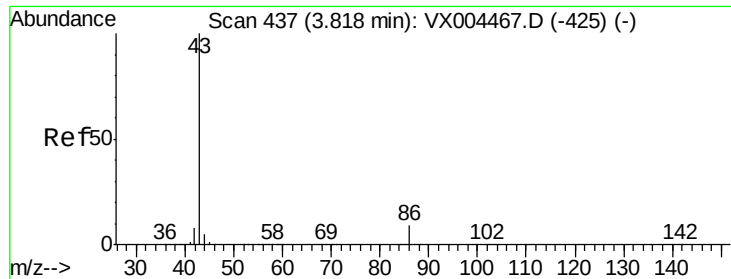
Delta R.T. -0.01 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Tgt Ion:	45	Resp:	558157
Ion	Ratio	Lower	Upper
45	100		
43	56.0	42.8	64.2
87	24.6	22.6	34.0
59	11.3	9.6	14.4





#23

Vinyl Acetate

Concen: 250.83 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2185634

Ion Ratio Lower Upper

43 100

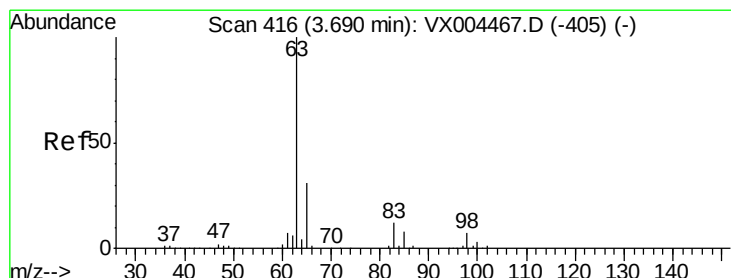
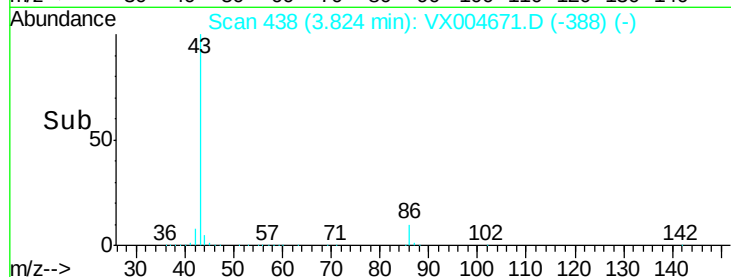
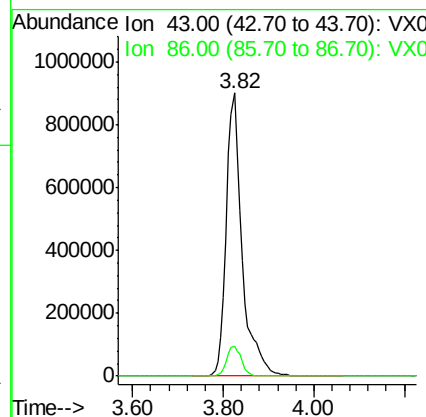
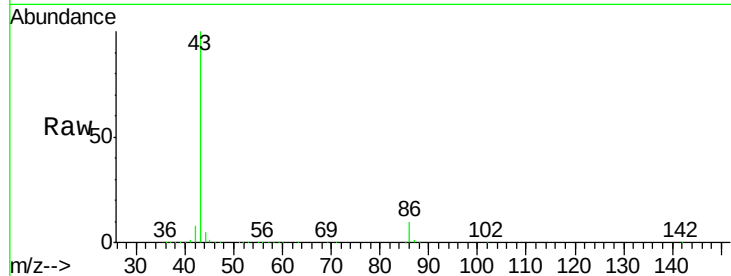
86 10.4 8.9 13.3

Manual Integrations

APPROVED

MMDadoda

9/19/2018 12:51:26 PM



#24

1,1-Dichloroethane

Concen: 48.85 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

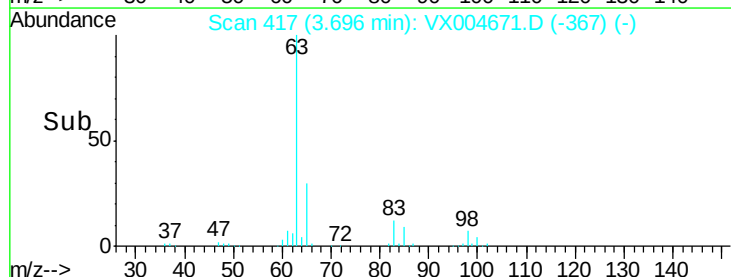
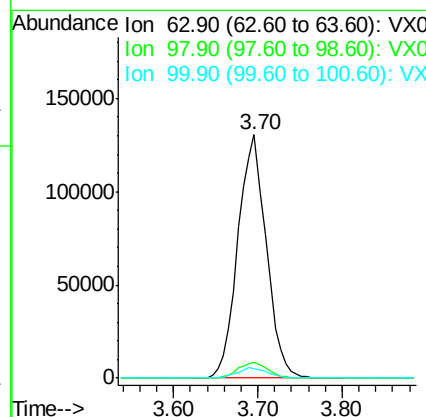
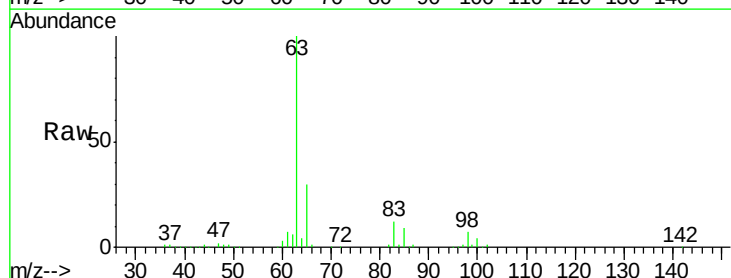
Tgt Ion: 63 Resp: 296974

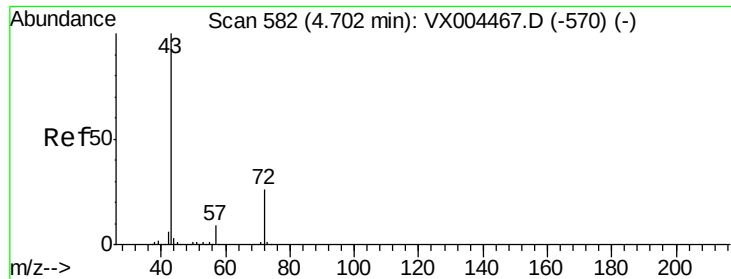
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

100 3.6 2.4 7.1





#25

2-Butanone

Concen: 230.33 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Tot Ion: 43 Resp: 642059

Ion Ratio Lower Upper

43 100

72 27.1 22.0 33.0

Instrument :

MSVOA_X

ClientSampleId :

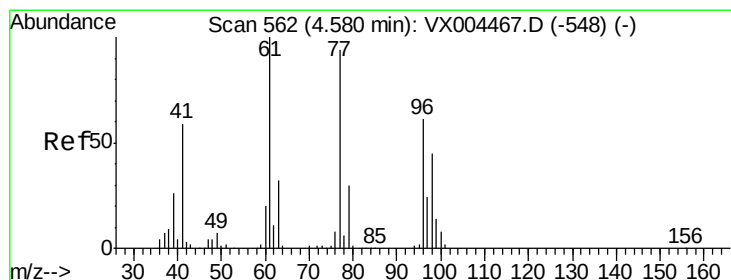
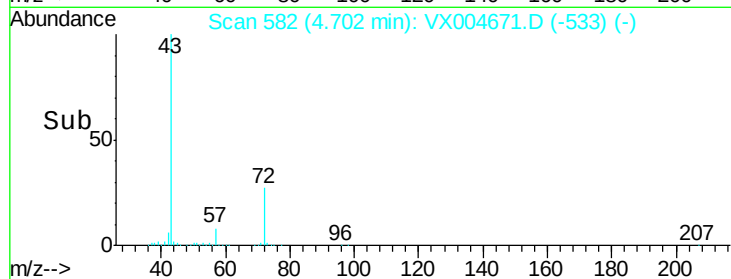
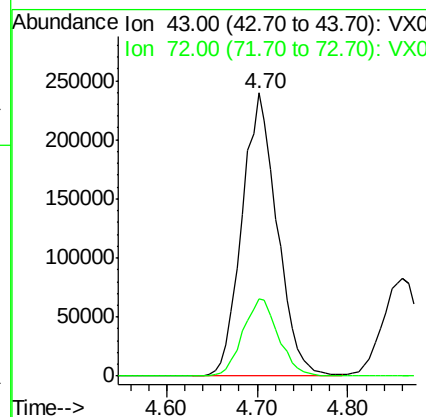
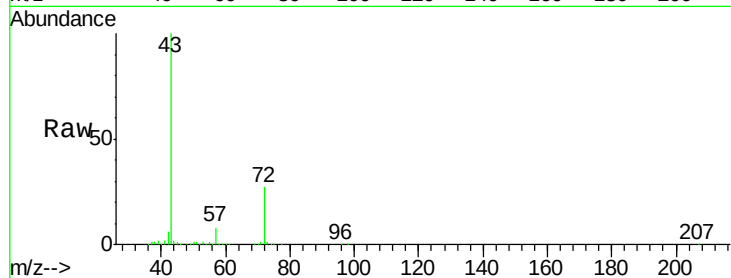
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

9/19/2018 12:51:26 PM



#26

2,2-Dichloropropane

Concen: 45.48 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004671.D

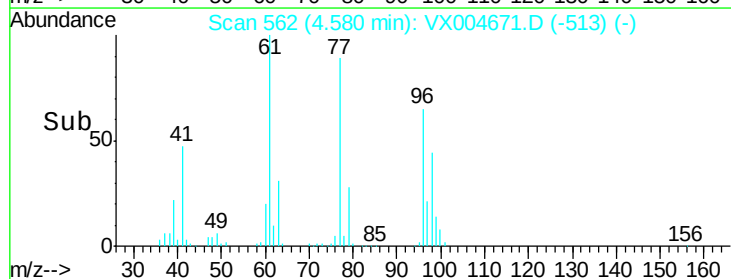
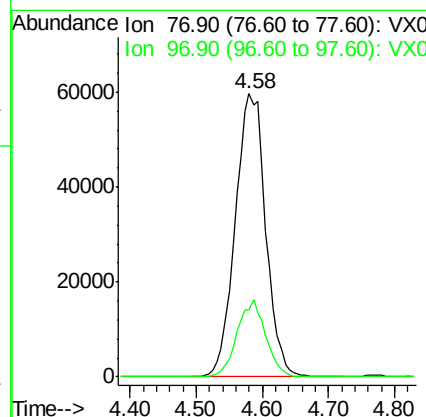
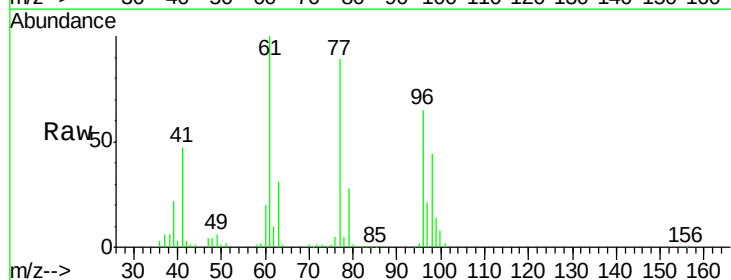
Acq: 18 Sep 2018 21:36

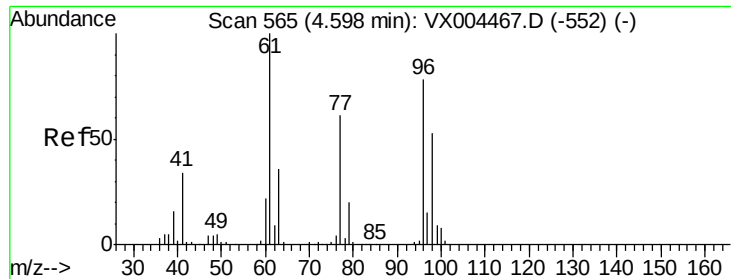
Tgt Ion: 77 Resp: 189904

Ion Ratio Lower Upper

77 100

97 25.7 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 51.73 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Tot Ion:	96	Resp:	185563
Ion	Ratio	Lower	Upper
96	100		
61	136.1	0.0	282.6
98	66.0	0.0	130.2

Instrument :

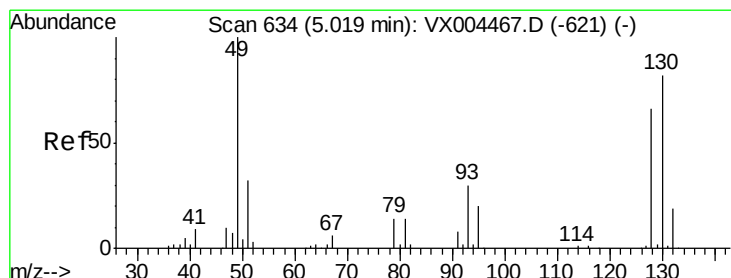
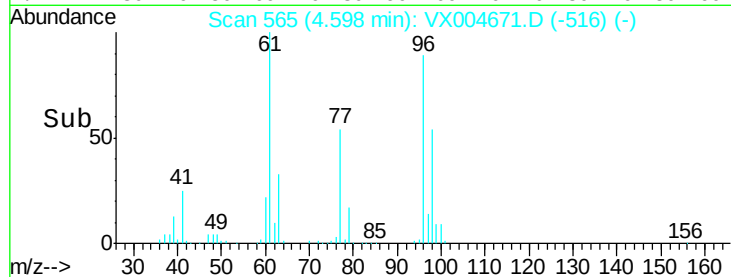
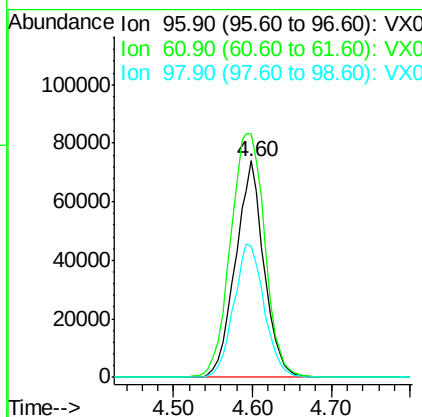
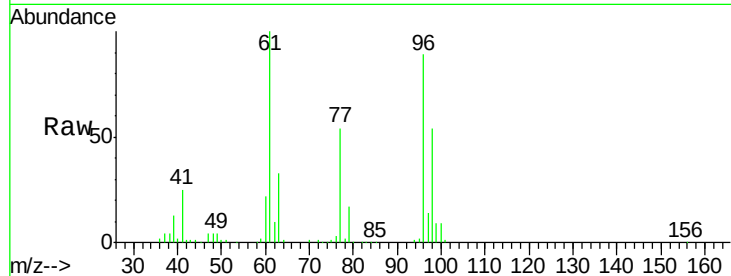
MSVOA_X

ClientSampleId :

VSTDCCC050

Manual Integrations
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#28

Bromochloromethane

Concen: 45.06 ug/l

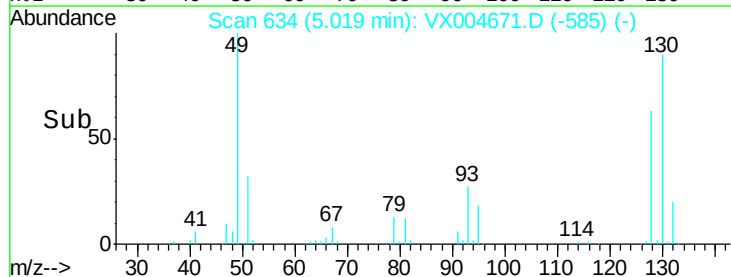
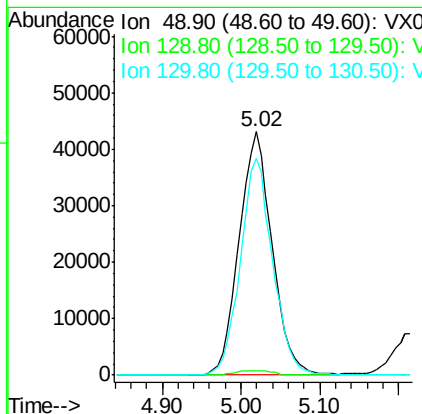
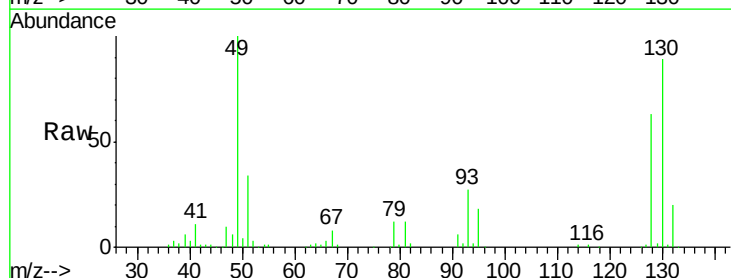
RT: 5.02 min Scan# 634

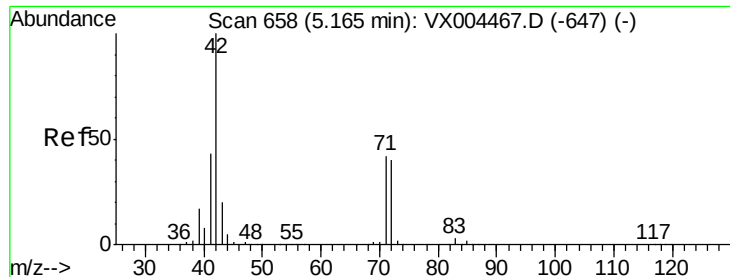
Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Tgt Ion:	49	Resp:	125298
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	87.3	67.5	101.3





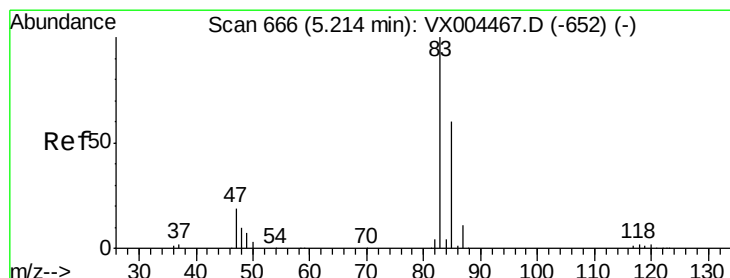
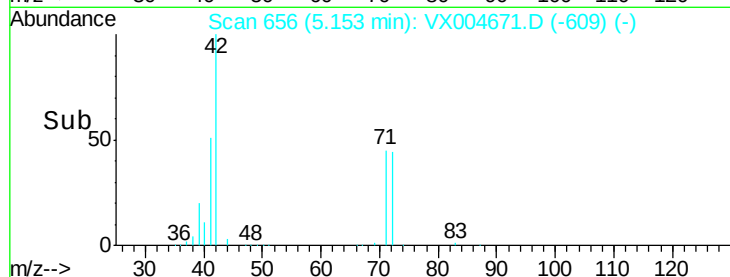
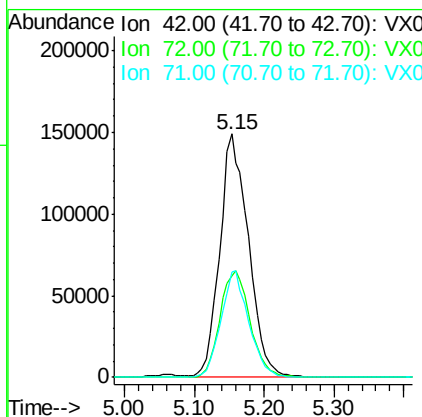
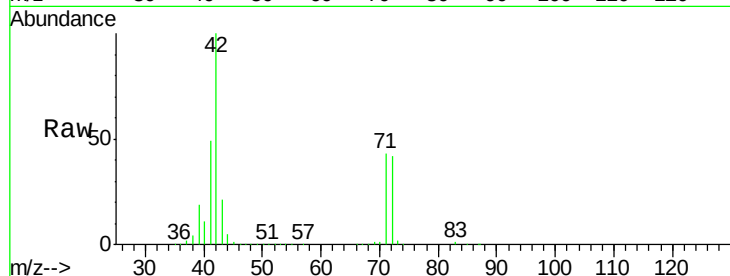
#29
Tetrahydrofuran
Concen: 251.22 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004671.D
Acq: 18 Sep 2018 21:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
42	42	100	422312		
72	72	46.2		37.4	56.0
71	71	42.7		34.5	51.7

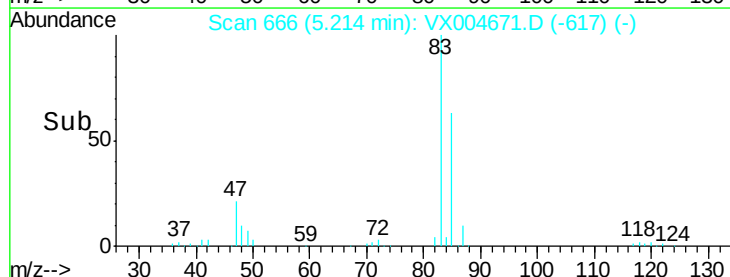
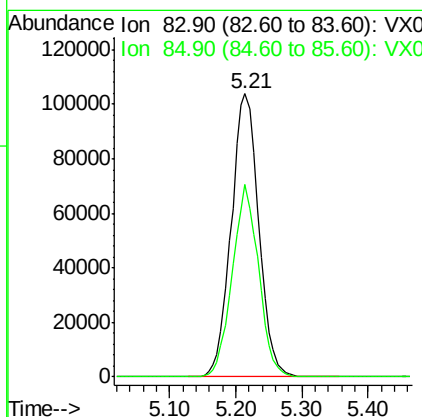
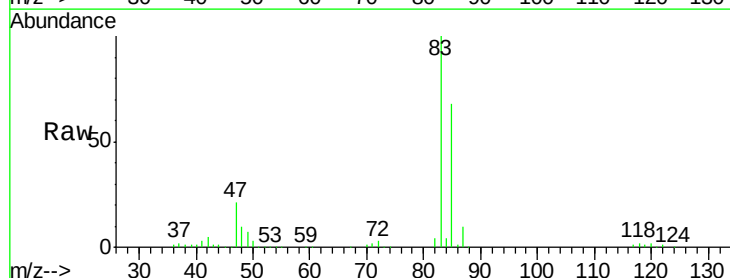
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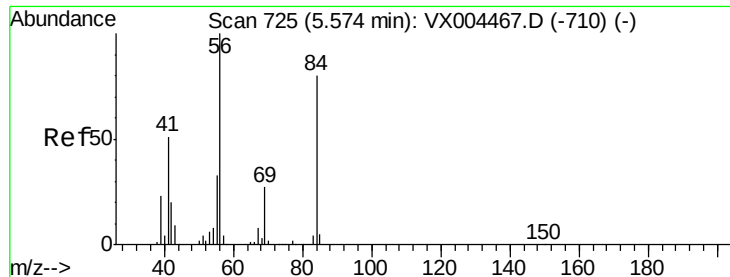
MMDadoda
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#30
Chloroform
Concen: 50.46 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX004671.D
Acq: 18 Sep 2018 21:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	83	100	299507		
85	85	67.9		52.6	79.0





#31

Cyclohexane

Concen: 52.88 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 274478

Ion Ratio Lower Upper

56 100

69 27.3 25.4 38.2

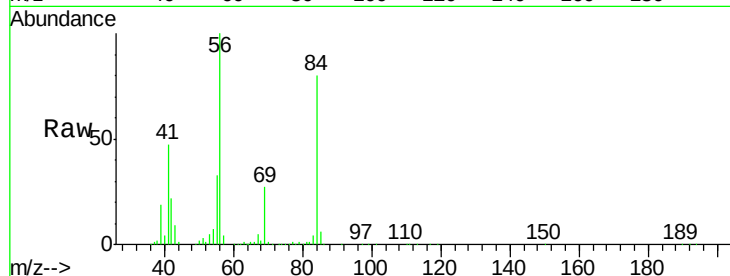
84 79.3 71.4 107.2

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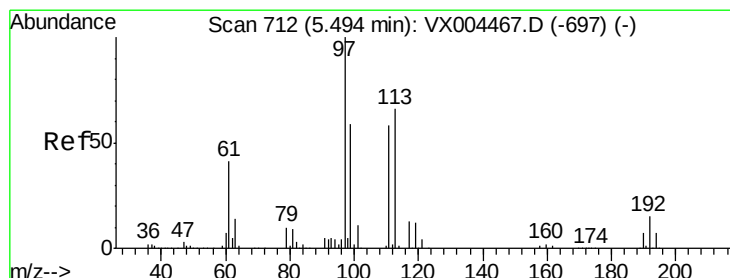
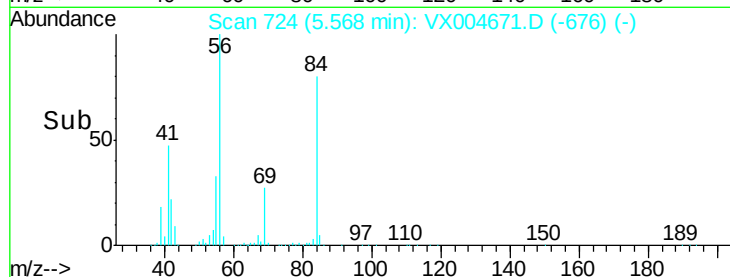
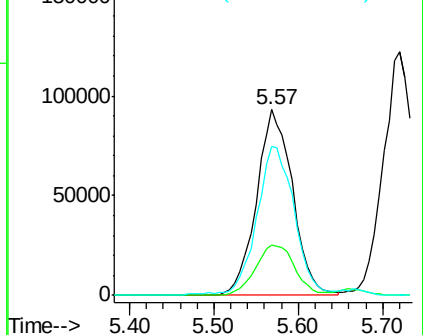
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 51.56 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

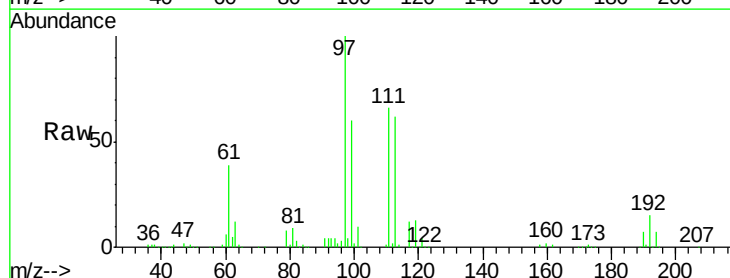
Tgt Ion: 97 Resp: 246453

Ion Ratio Lower Upper

97 100

99 65.2 52.0 78.0

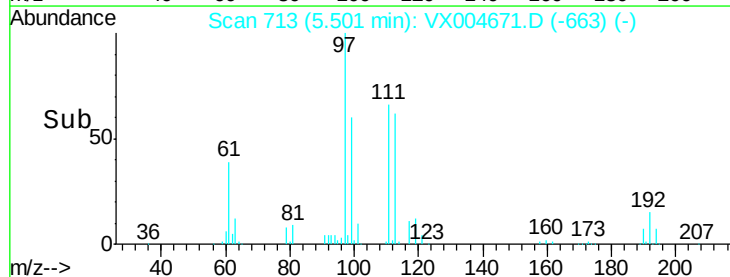
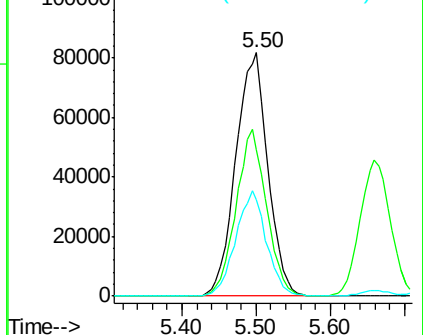
61 41.7 34.9 52.3

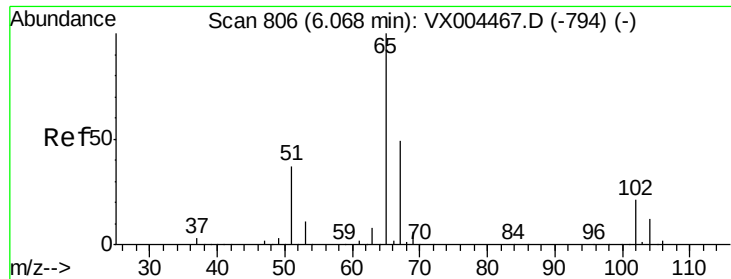


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 41.87 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Tot Ion: 65 Resp: 150255

Ion Ratio Lower Upper

65 100

67 54.0 0.0 106.8

Instrument :

MSVOA_X

ClientSampleId :

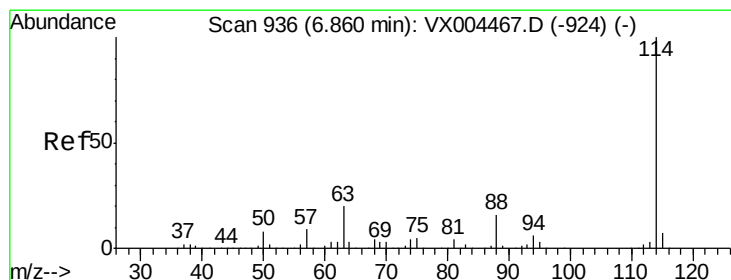
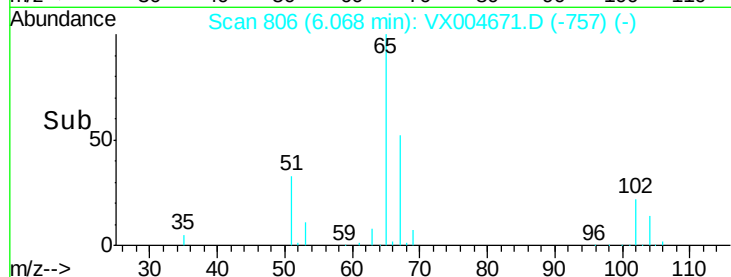
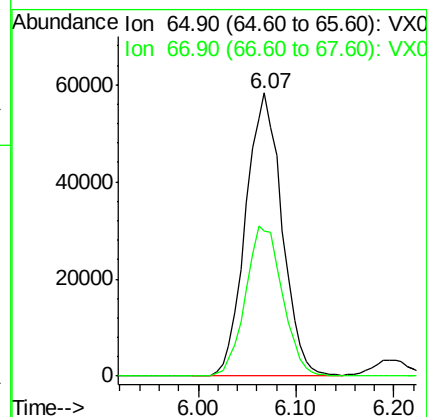
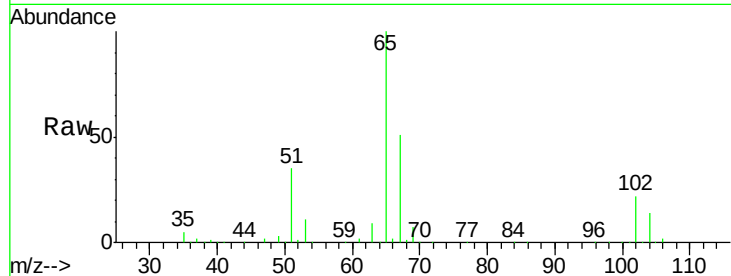
VSTDCCC050

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

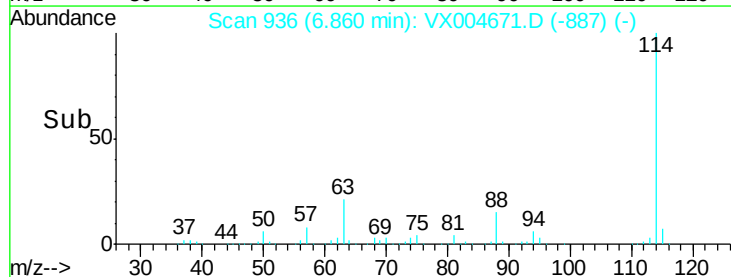
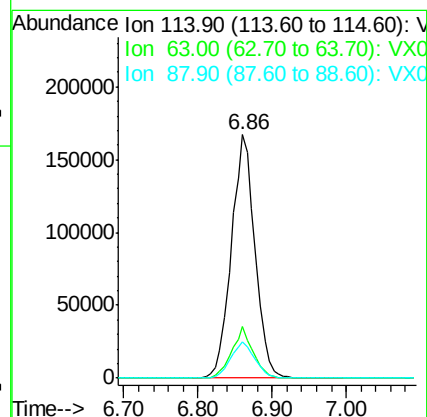
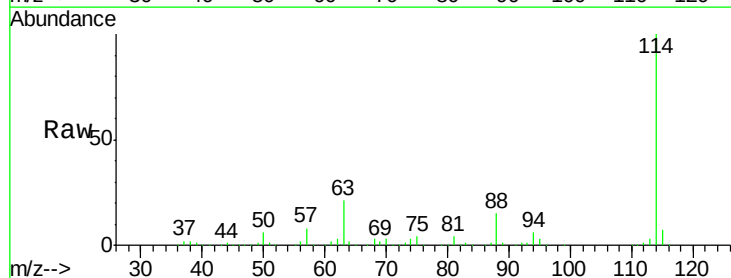
Tgt Ion: 114 Resp: 369508

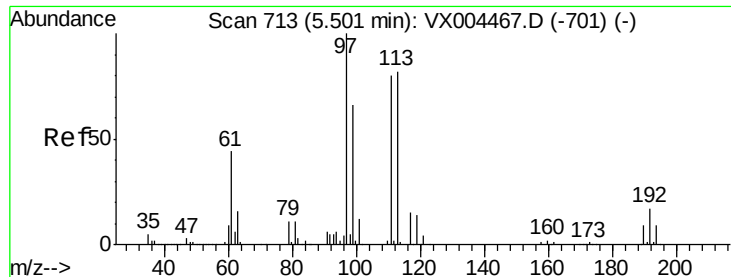
Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.0

88 14.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 40.86 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Instrument :

MSVOA_X

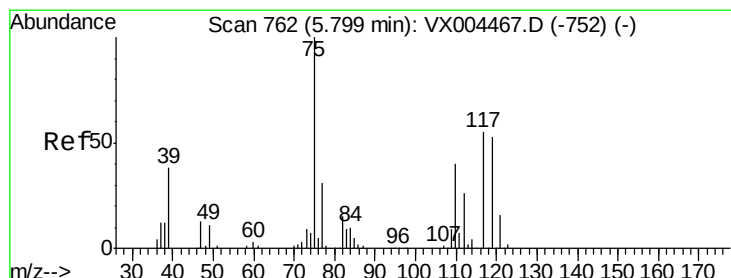
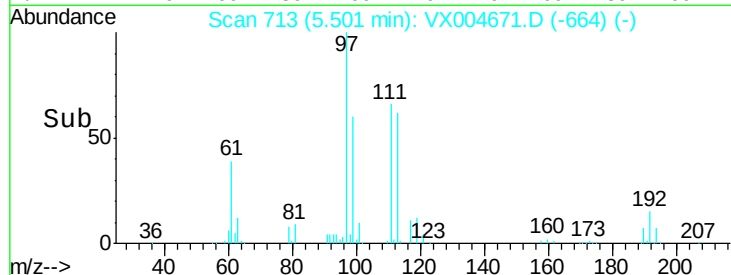
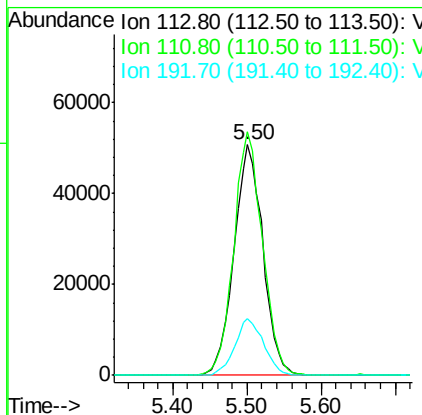
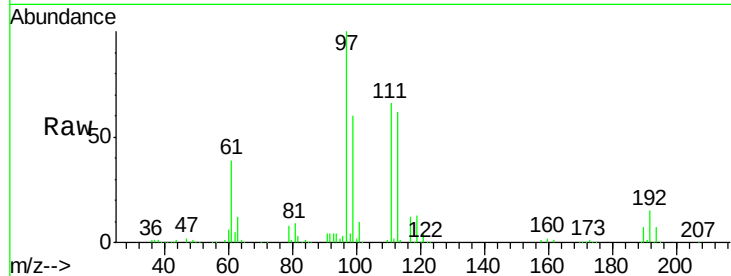
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	138146
Ion Ratio	Lower	Upper	
113	100		
111	105.1	82.4	123.6
192	24.6	19.4	29.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.35 ug/l

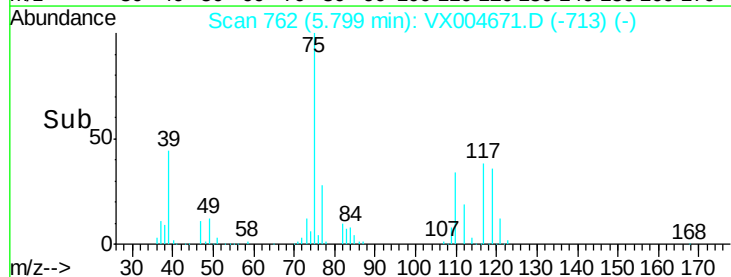
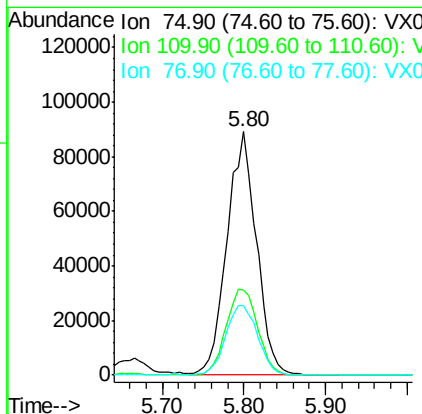
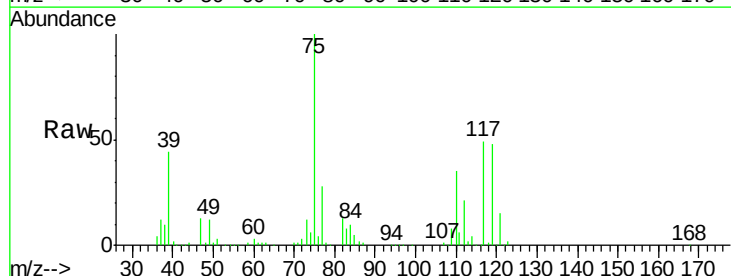
RT: 5.80 min Scan# 762

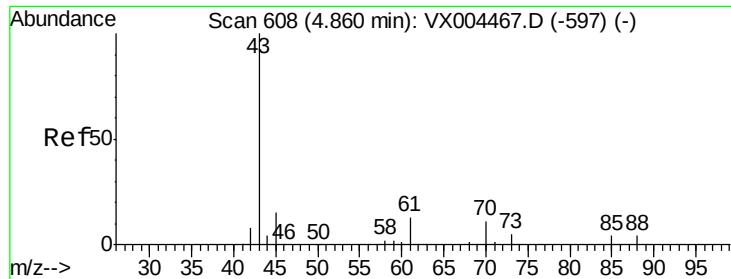
Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Tgt Ion:	75	Resp:	221408
Ion Ratio	Lower	Upper	
75	100		
110	38.1	18.0	54.0
77	31.4	24.6	36.8





#37

Ethyl Acetate

Concen: 47.08 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Instrument :

MSVOA_X

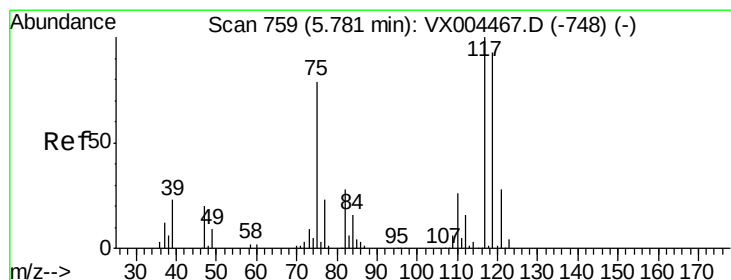
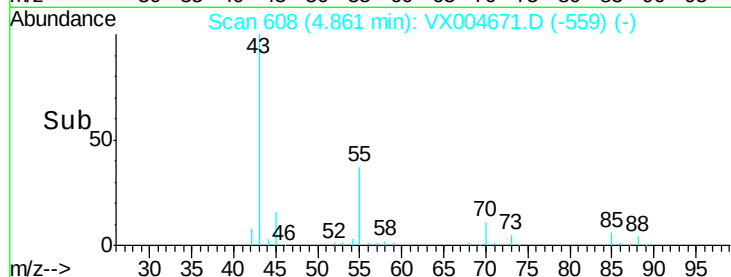
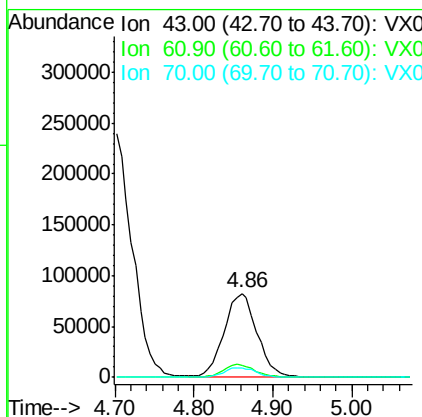
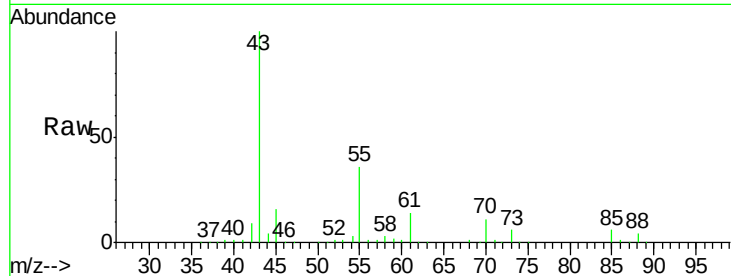
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	240228
Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.5	17.3
70	11.4	9.0	13.6

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#38

Carbon Tetrachloride

Concen: 48.16 ug/l

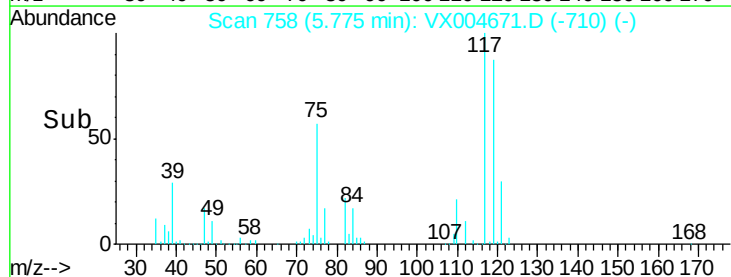
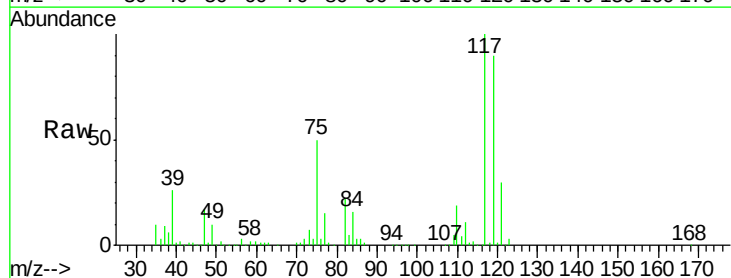
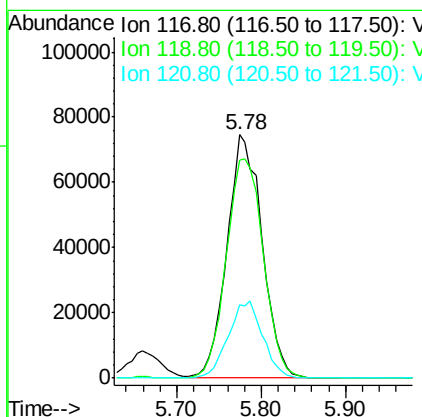
RT: 5.78 min Scan# 758

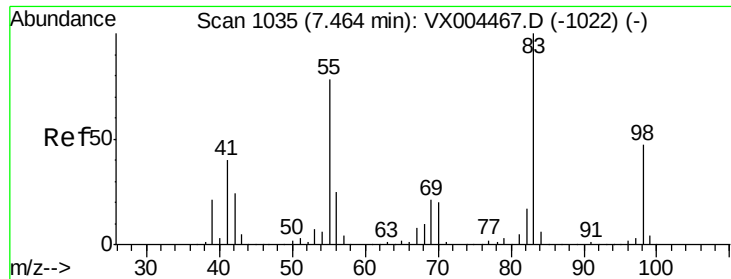
Delta R.T. -0.01 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Tgt Ion:	117	Resp:	211005
Ion	Ratio	Lower	Upper
117	100		
119	89.5	78.8	118.2
121	30.0	24.9	37.3





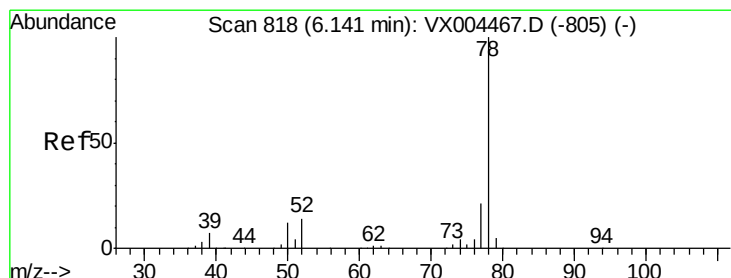
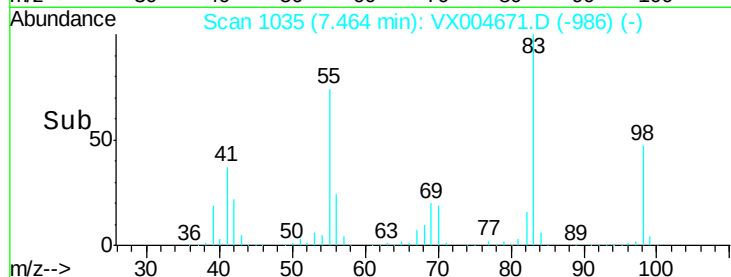
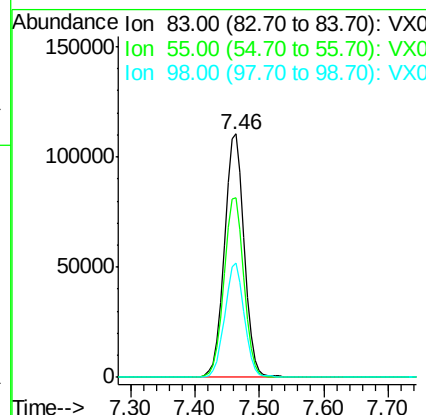
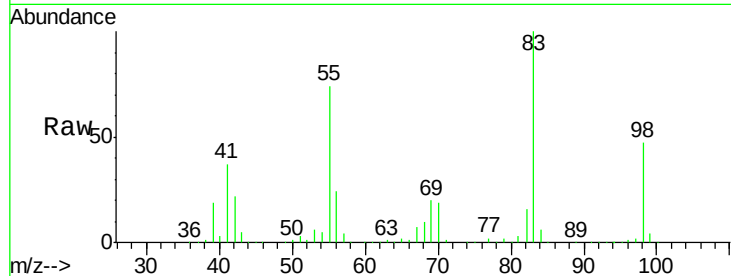
#39
Methylvlcyclohexane
Concen: 51.31 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004671.D
Acq: 18 Sep 2018 21:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	240180		
55	73.8	61.0	91.4	
98	47.0	39.6	59.4	

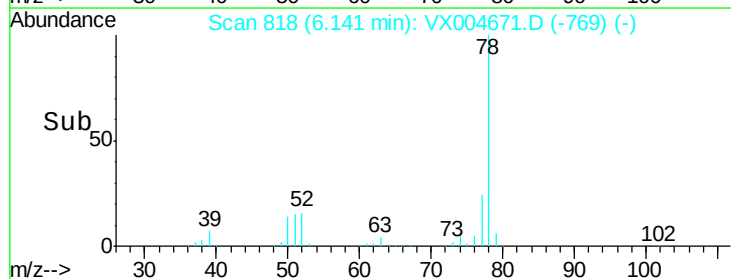
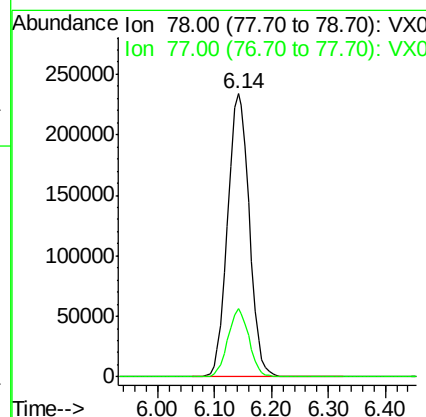
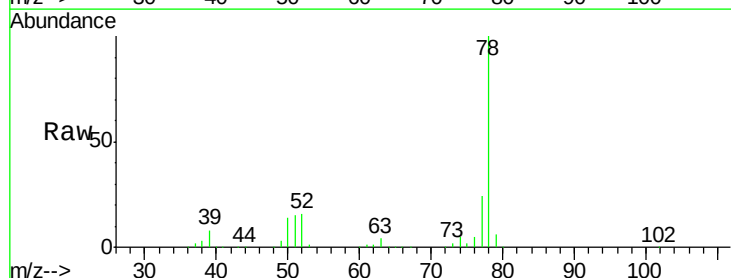
Manual Integrations
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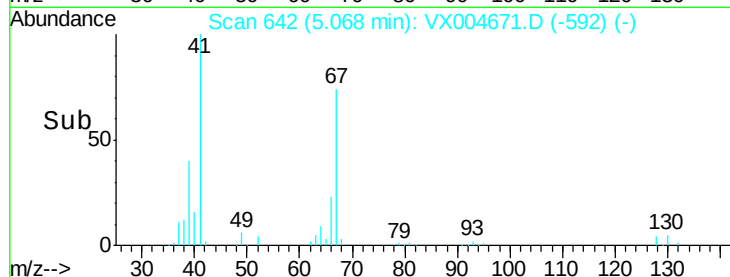
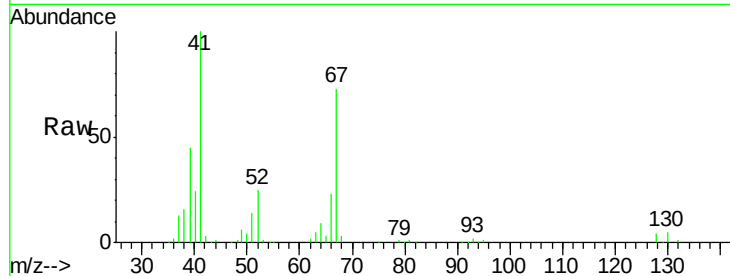
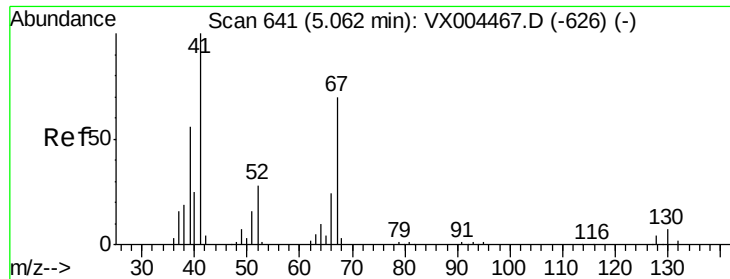
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#40
Benzene
Concen: 46.52 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004671.D
Acq: 18 Sep 2018 21:36

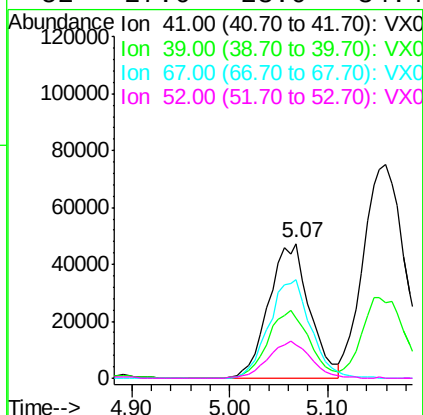
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	619255		
77	24.1	19.0	28.4	





#41
Methacrylonitrile
Concen: 49.03 ug/l
RT: 5.07 min Scan# 642
Delta R.T. 0.01 min
Lab File: VX004671.D
Acq: 18 Sep 2018 21:36

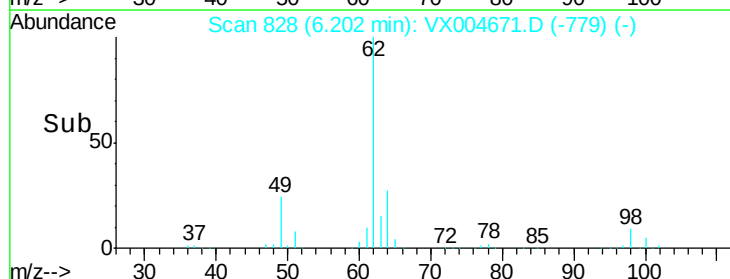
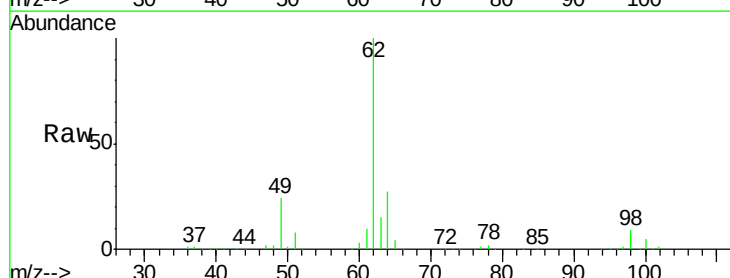
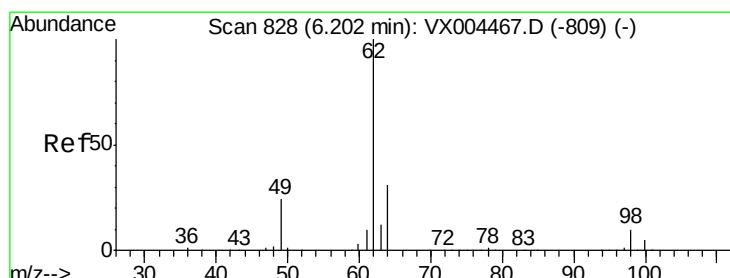
Tot Ion	Ratio	Lower	Upper
41	100		
39	51.4	42.4	63.6
67	74.9	59.2	88.8
52	27.6	23.0	34.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

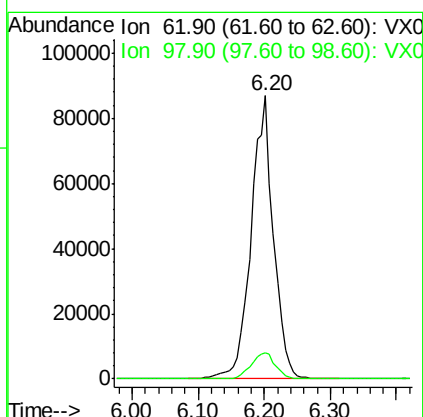
Manual Integrations
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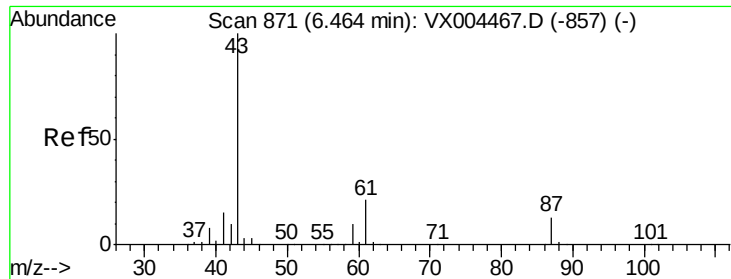
MMDadoda
9/19/2018 12:51:26 PM



#42
1,2-Dichloroethane
Concen: 46.40 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.00 min
Lab File: VX004671.D
Acq: 18 Sep 2018 21:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.6





#43

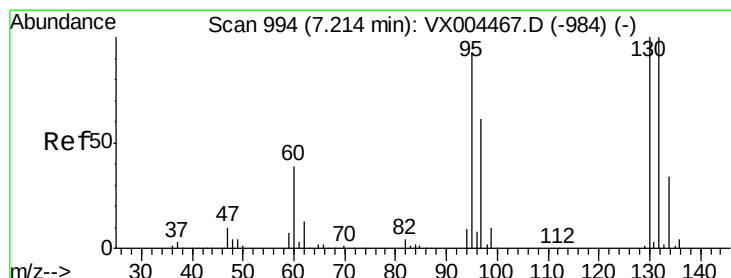
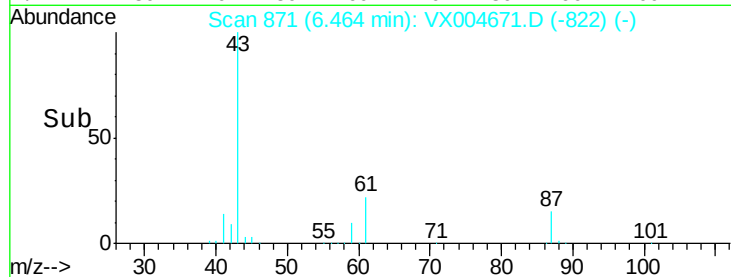
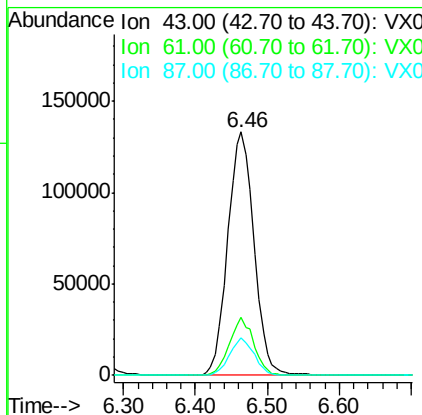
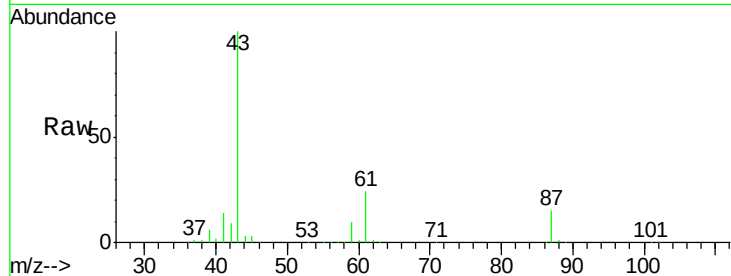
Isopropyl Acetate
 Concen: 49.71 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: VX004671.D
 Acq: 18 Sep 2018 21:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.1	17.0	25.4
87	14.4	11.4	17.2

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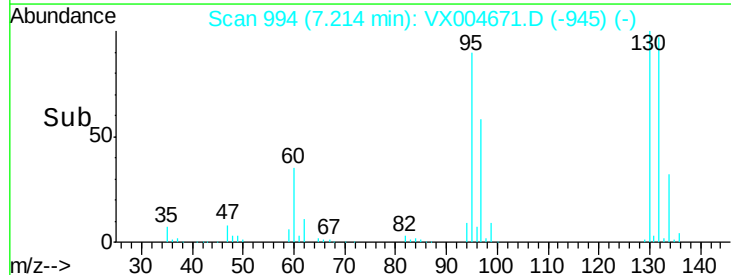
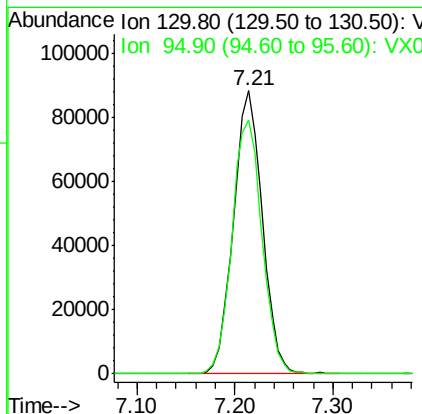
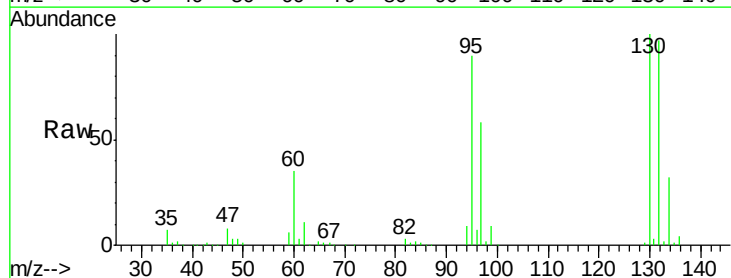
MMDadoda
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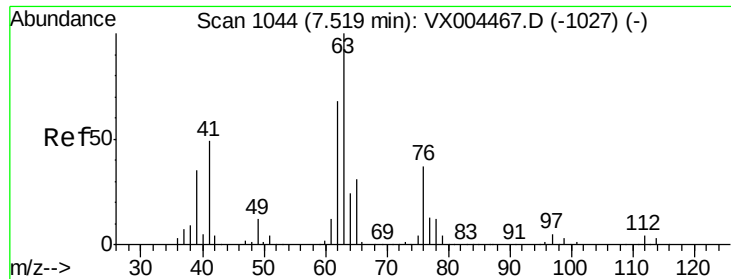


#44

Trichloroethene
 Concen: 52.47 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX004671.D
 Acq: 18 Sep 2018 21:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.6	0.0	181.6





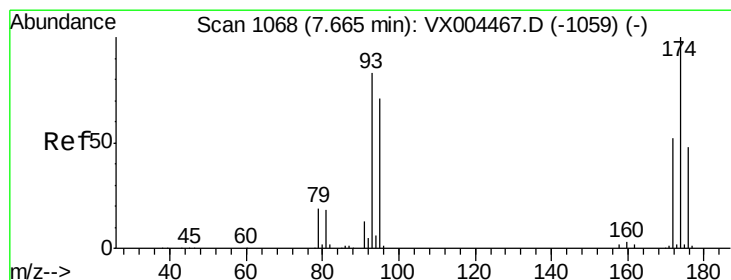
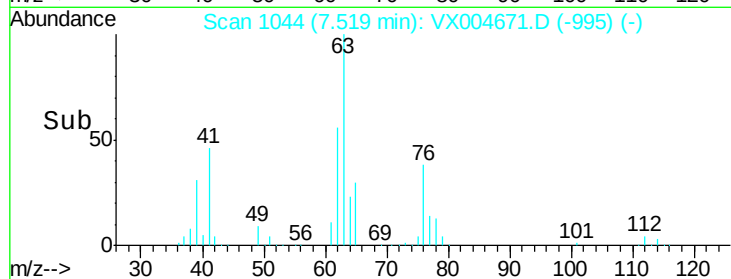
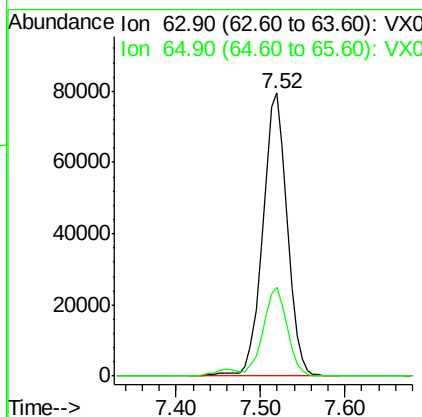
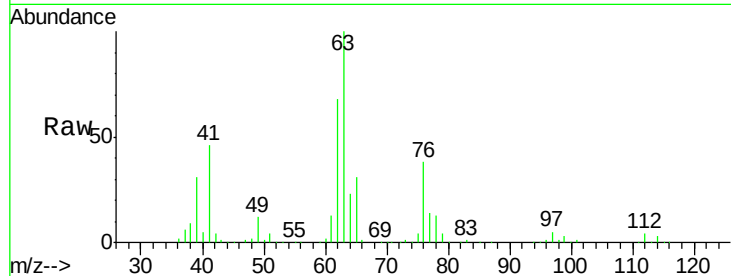
#45
 1,2-Dichloropropane
 Concen: 49.79 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX004671.D
 Acq: 18 Sep 2018 21:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 159458
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.3 36.5

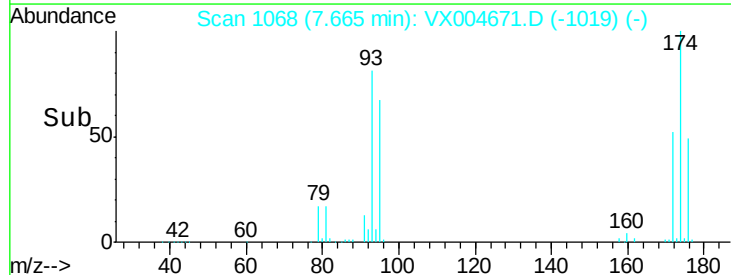
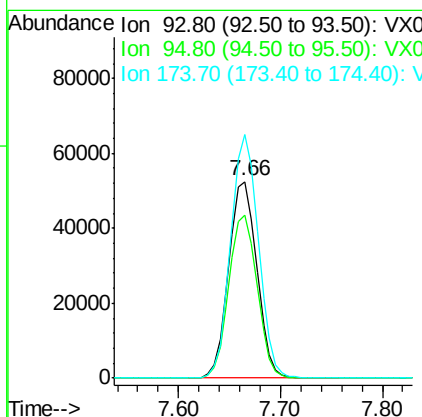
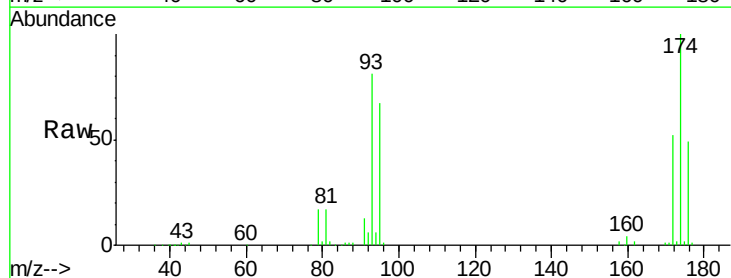
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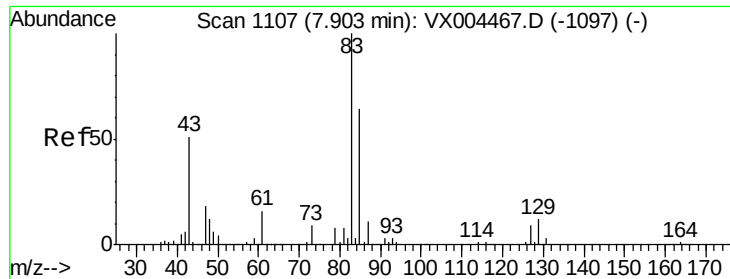
MMDadoda
 9/19/2018 12:51:26 PM



#46
 Dibromomethane
 Concen: 49.74 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX004671.D
 Acq: 18 Sep 2018 21:36

Tgt Ion: 93 Resp: 100643
 Ion Ratio Lower Upper
 93 100
 95 83.5 65.5 98.3
 174 121.5 94.2 141.4





#47

Bromodichloromethane

Concen: 49.41 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Instrument :

MSVOA_X

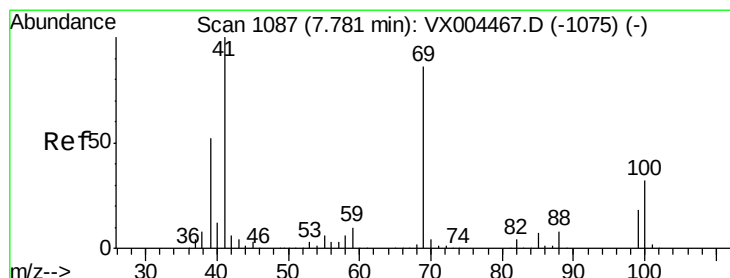
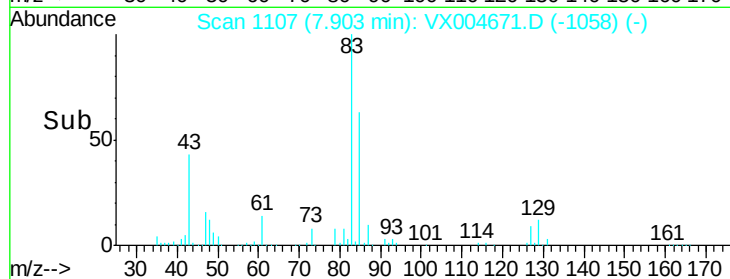
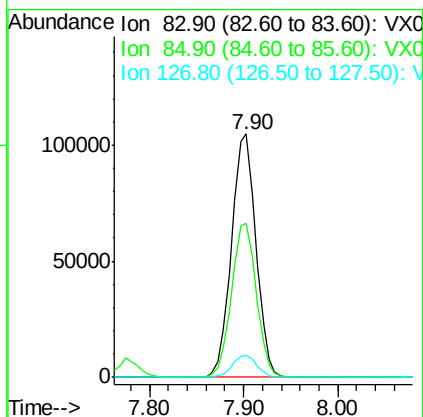
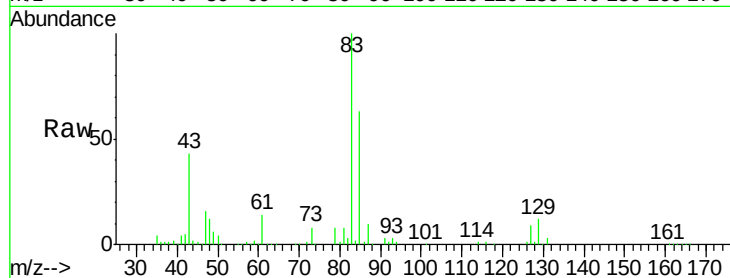
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	189044
Ion Ratio	Lower	Upper	
83	100		
85	63.3	50.9	76.3
127	9.2	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.05 ug/l

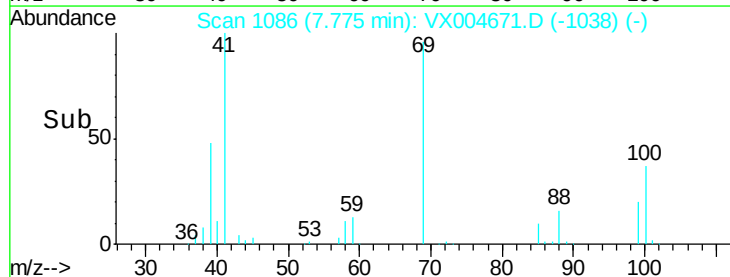
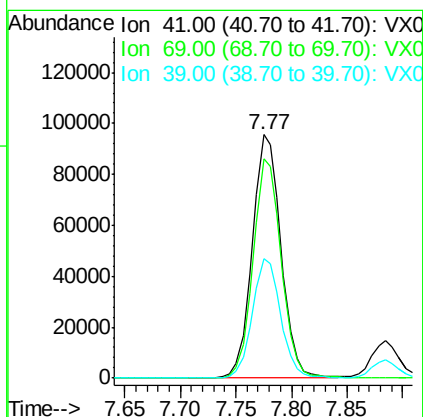
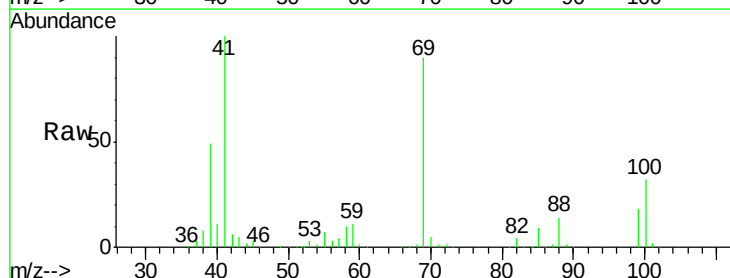
RT: 7.77 min Scan# 1086

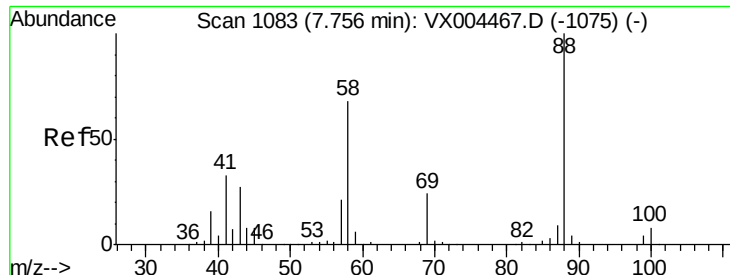
Delta R.T. -0.01 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Tgt Ion:	41	Resp:	171199
Ion Ratio	Lower	Upper	
41	100		
69	89.3	70.2	105.4
39	48.9	42.7	64.1





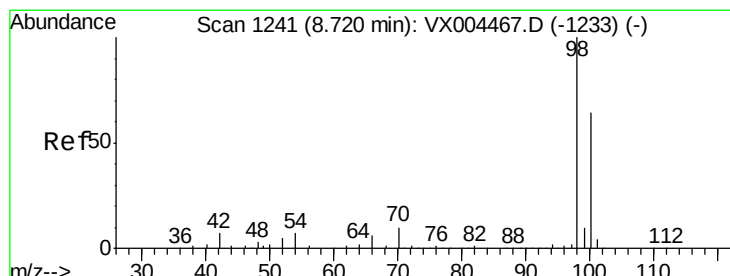
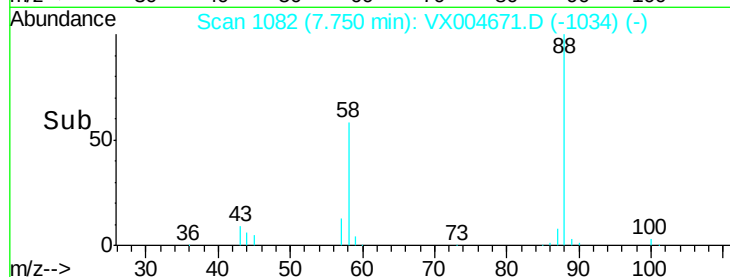
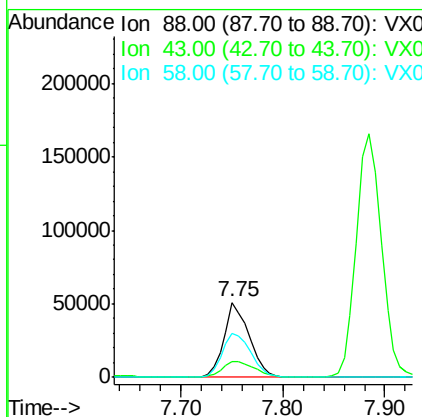
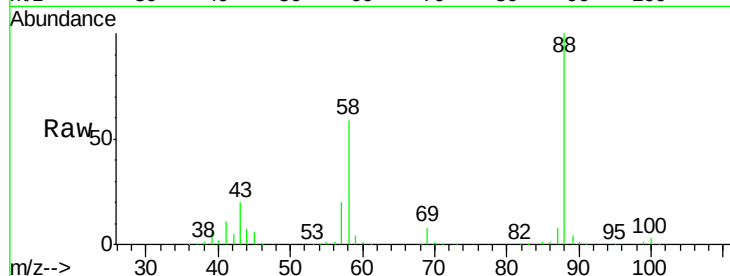
#49
1,4-Dioxane
Concen: 1102.44 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX004671.D
Acq: 18 Sep 2018 21:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.3	24.7	37.1
58	67.0	55.3	82.9

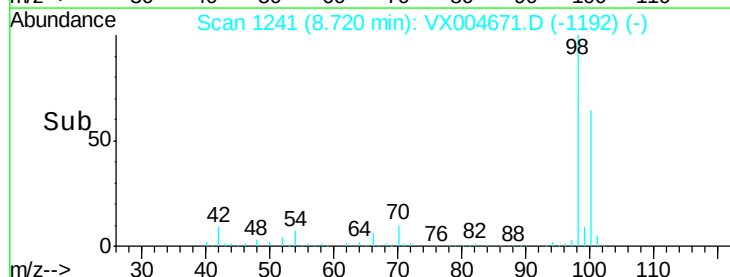
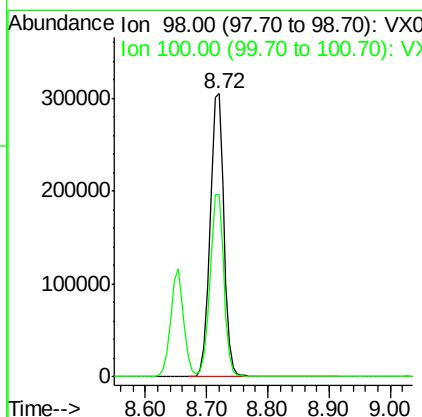
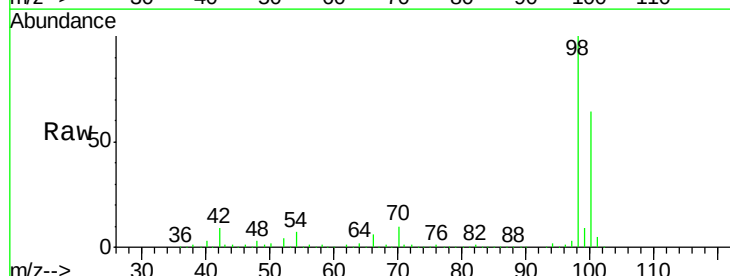
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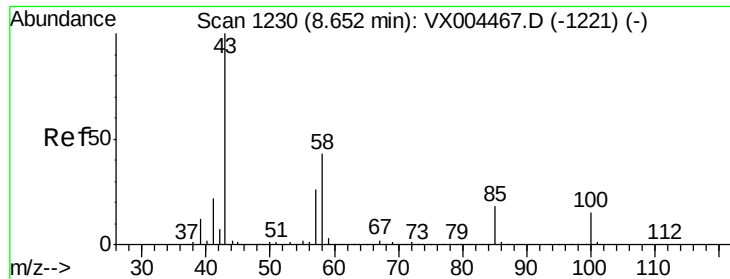
MMDadoda
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#50
Toluene-d8
Concen: 42.52 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004671.D
Acq: 18 Sep 2018 21:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.9	79.3





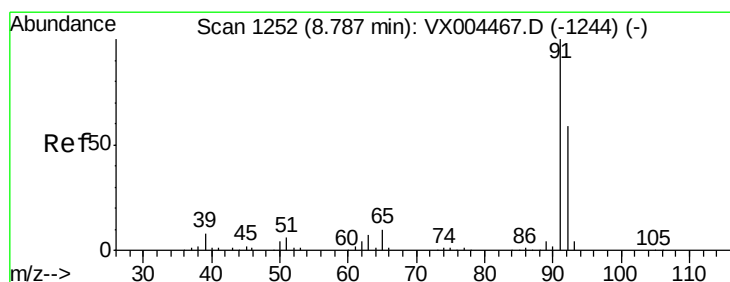
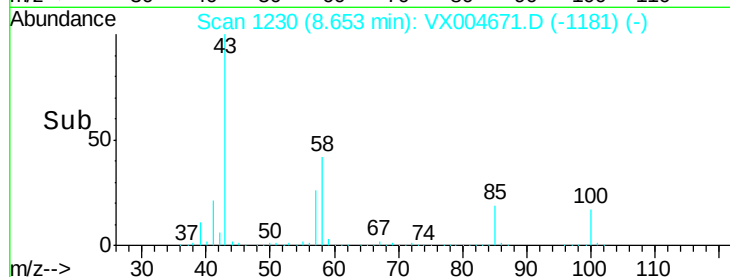
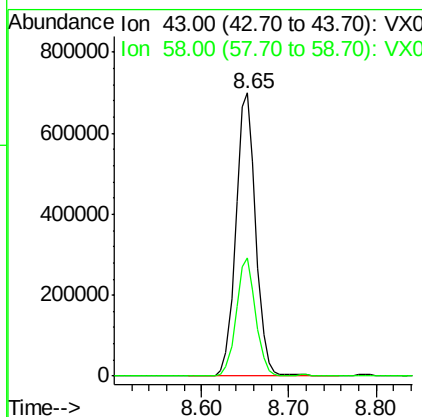
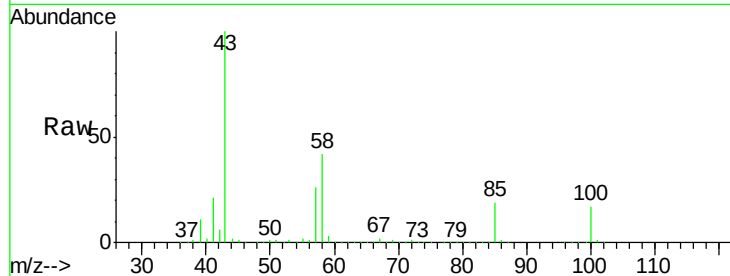
#51
 4-Methyl-2-Pentanone
 Concen: 232.18 ug/l
 RT: 8.65 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VX004671.D
 Acq: 18 Sep 2018 21:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1110340
 Ion Ratio Lower Upper
 43 100
 58 40.7 33.1 49.7

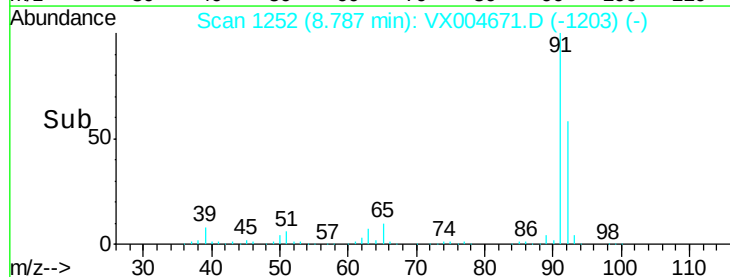
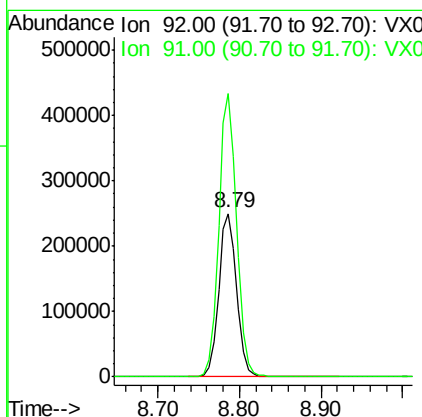
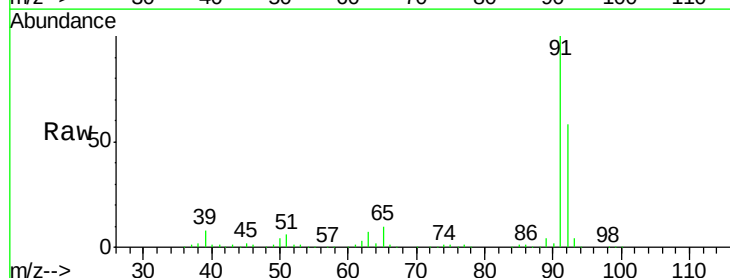
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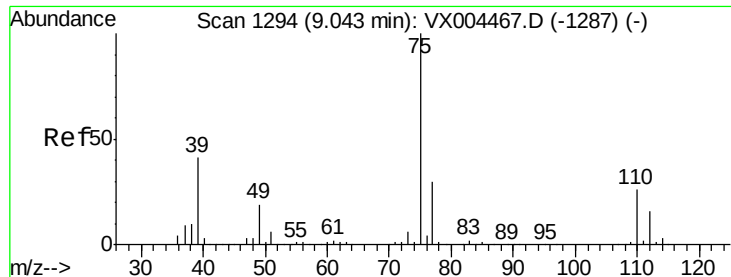
MMDadoda
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#52
 Toluene
 Concen: 48.65 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VX004671.D
 Acq: 18 Sep 2018 21:36

Tgt Ion: 92 Resp: 381530
 Ion Ratio Lower Upper
 92 100
 91 173.6 136.4 204.6





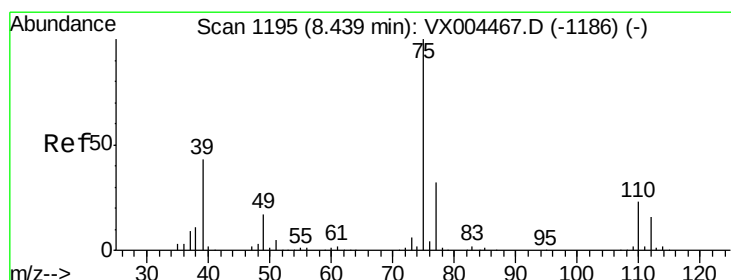
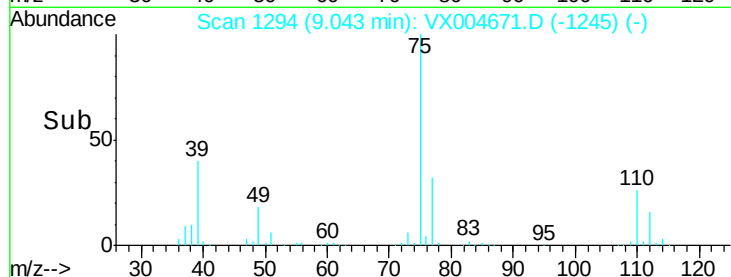
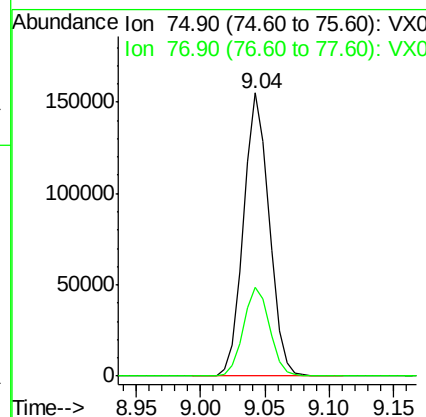
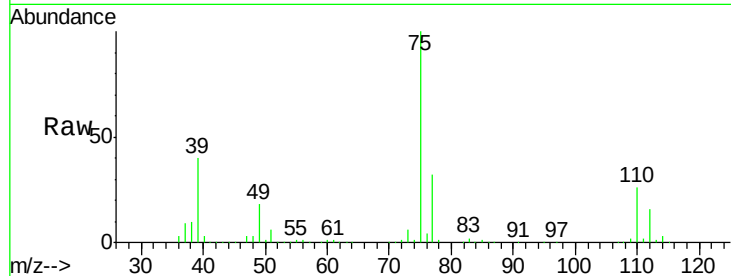
#53
t-1,3-Dichloropropene
Concen: 47.97 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX004671.D
Acq: 18 Sep 2018 21:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 214413
Ion Ratio Lower Upper
75 100
77 31.5 24.6 37.0

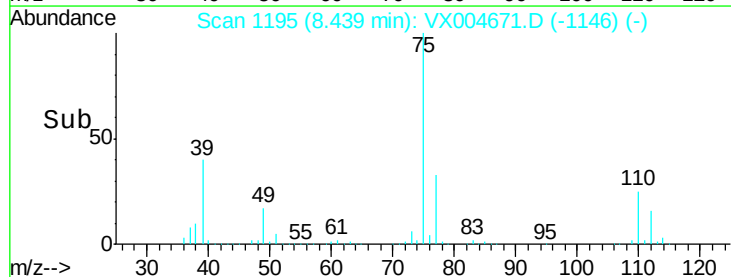
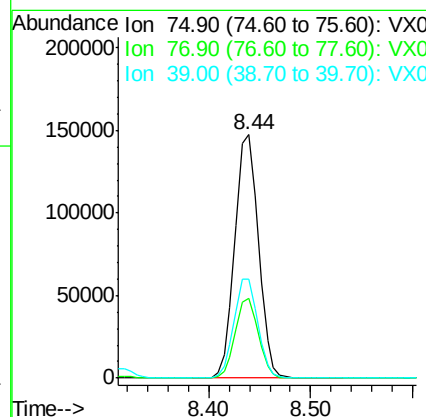
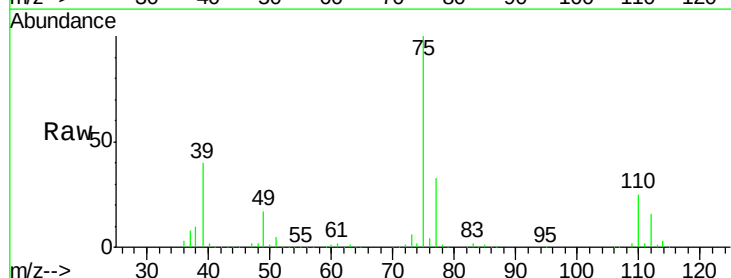
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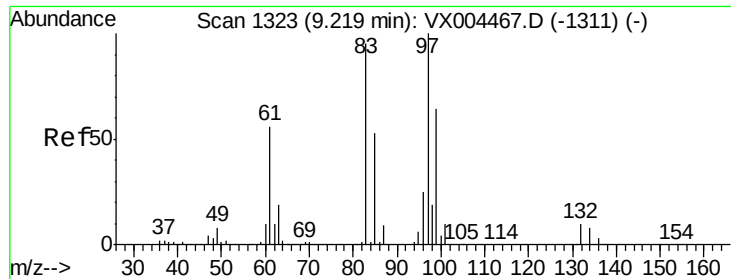
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.76 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX004671.D
Acq: 18 Sep 2018 21:36

Tgt Ion: 75 Resp: 235821
Ion Ratio Lower Upper
75 100
77 32.7 26.2 39.2
39 40.4 36.4 54.6





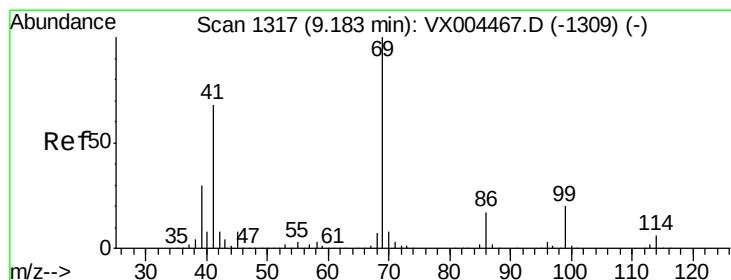
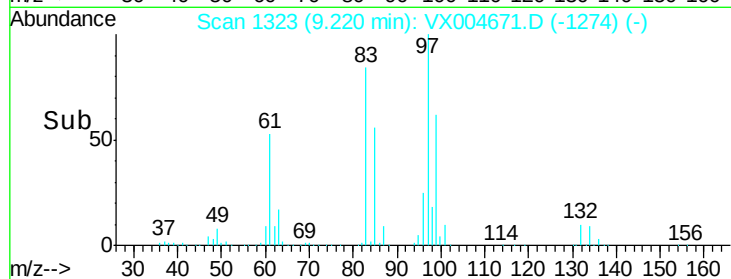
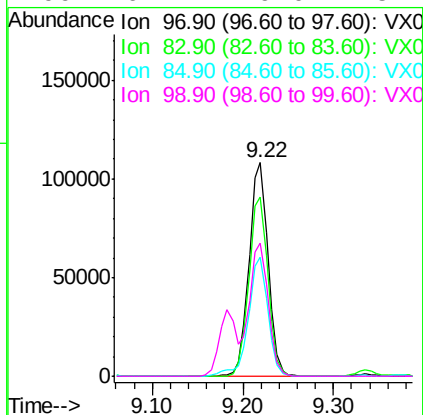
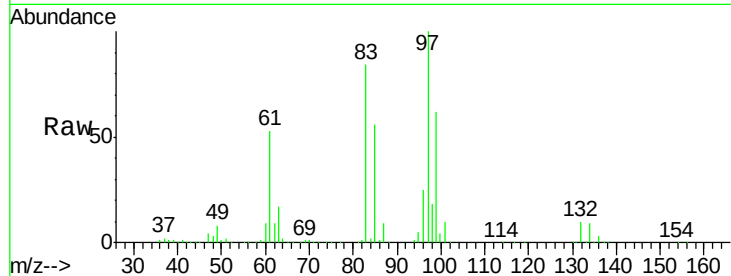
#55
 1,1,2-Trichloroethane
 Concen: 46.60 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004671.D
 Acq: 18 Sep 2018 21:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	157338
Ion	Ratio	Lower	Upper
97	100		
83	83.8	66.4	99.6
85	55.8	43.3	64.9
99	62.2	49.0	73.4

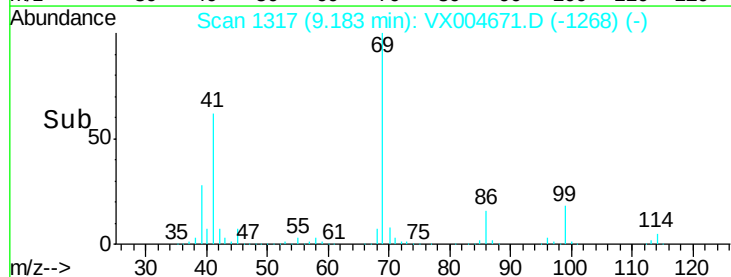
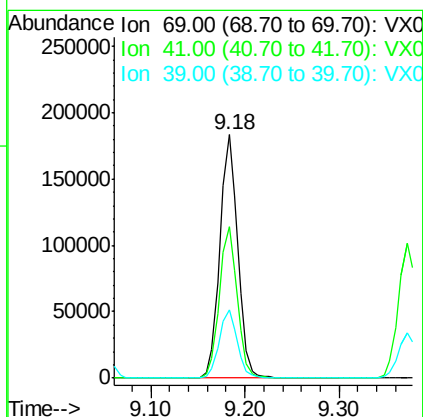
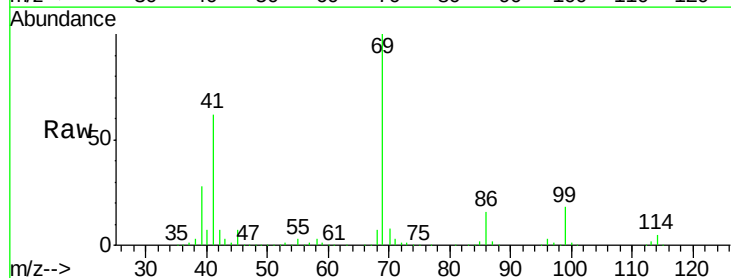
Manual Integrations
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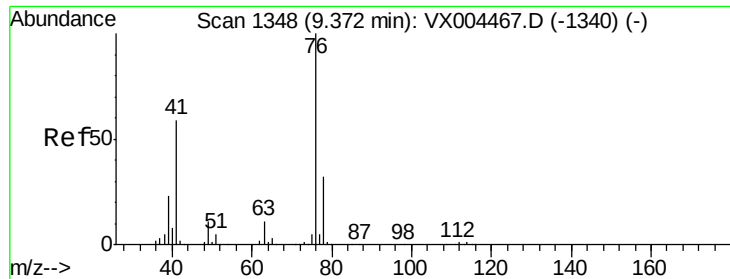
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#56
 Ethyl methacrylate
 Concen: 50.62 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004671.D
 Acq: 18 Sep 2018 21:36

Tgt Ion:	69	Resp:	241826
Ion	Ratio	Lower	Upper
69	100		
41	62.2	51.0	76.4
39	28.4	26.1	39.1





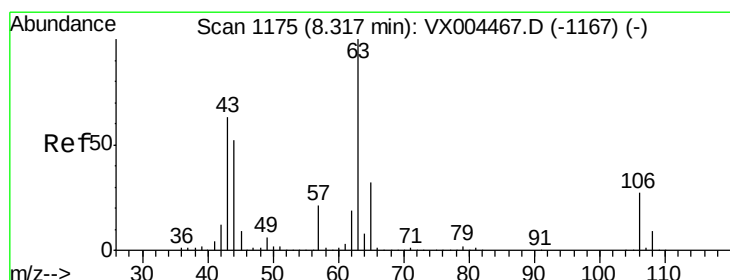
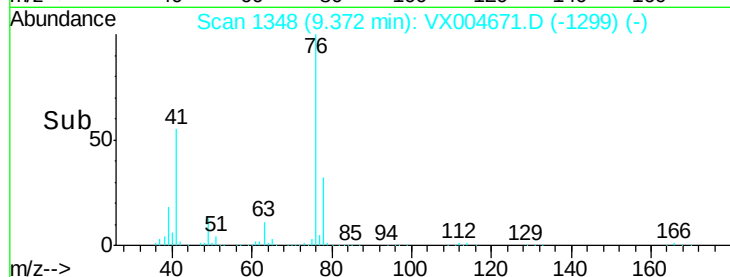
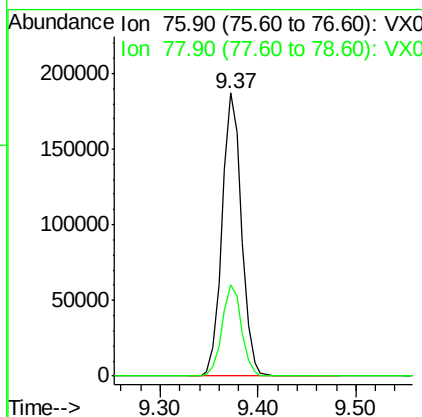
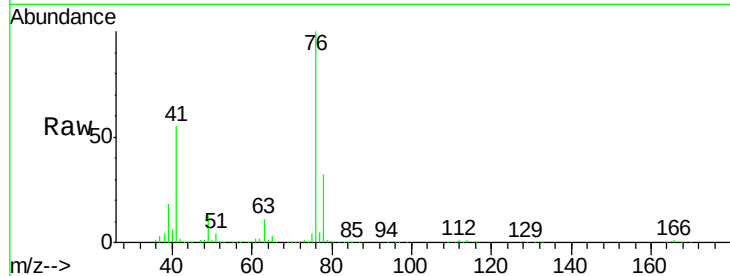
#57
 1,3-Dichloropropane
 Concen: 46.95 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX004671.D
 Acq: 18 Sep 2018 21:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3

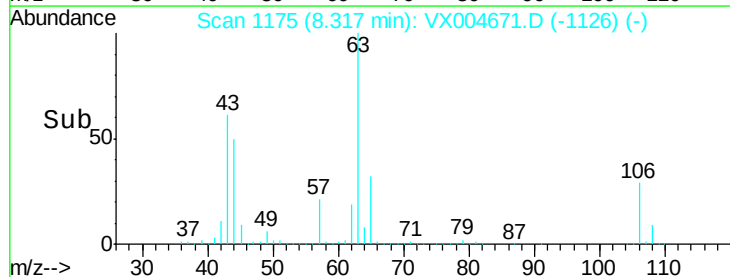
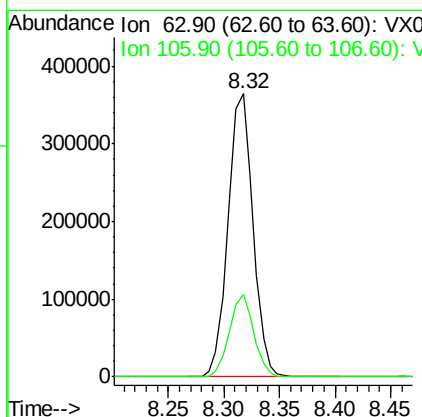
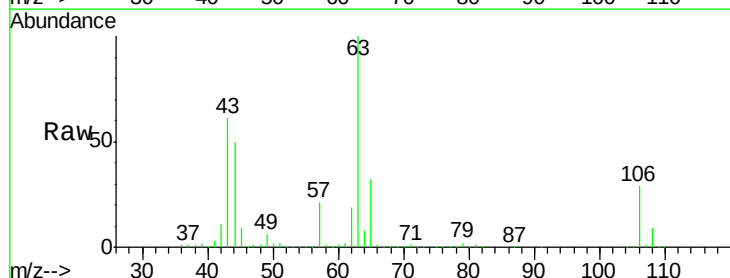
Manual Integrations
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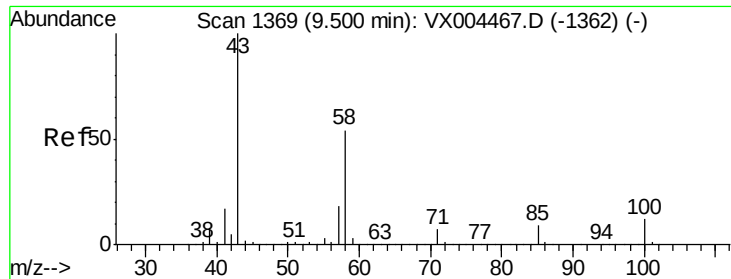
MMDadoda
 9/19/2018 12:51:26 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 232.57 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004671.D
 Acq: 18 Sep 2018 21:36

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	23.9	35.9





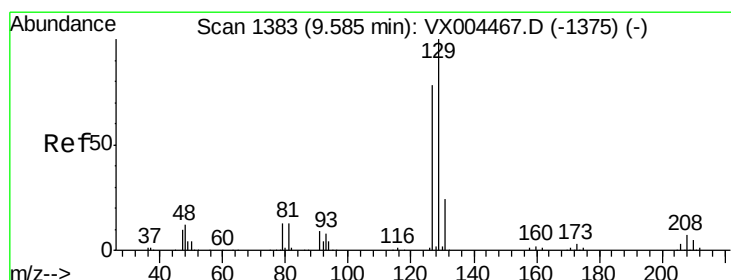
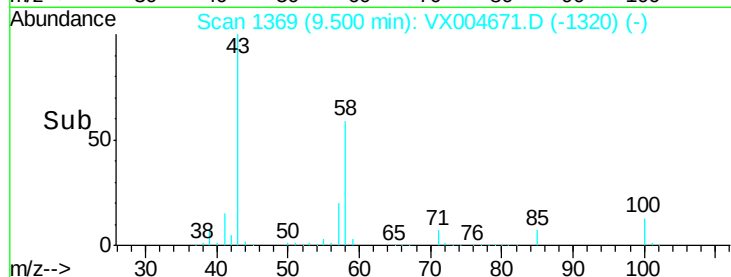
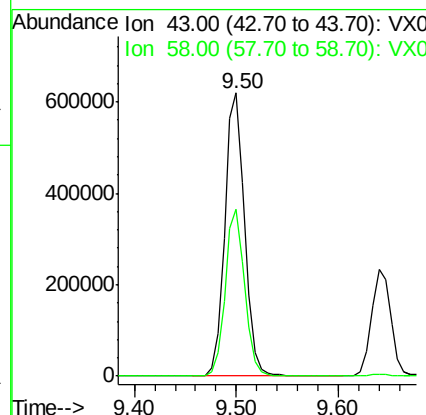
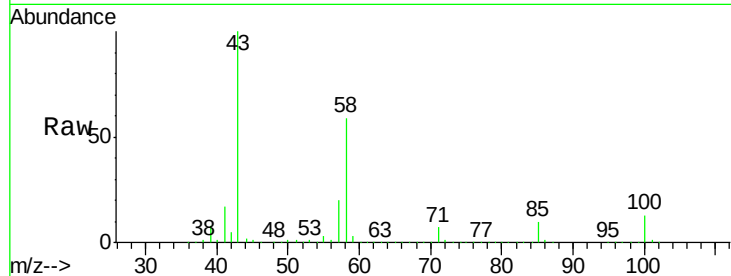
#59
2-Hexanone
Concen: 228.40 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004671.D
Acq: 18 Sep 2018 21:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 837797
Ion Ratio Lower Upper
43 100
58 57.9 29.0 87.0

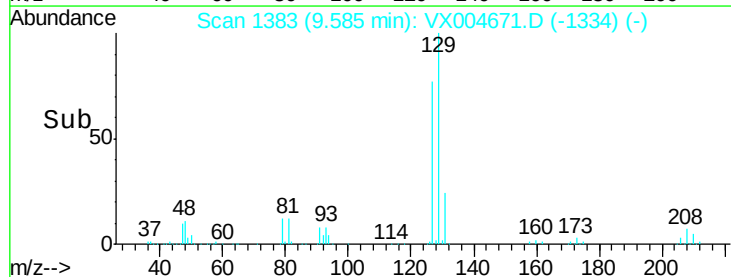
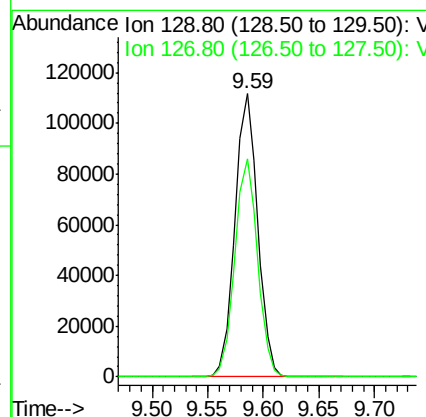
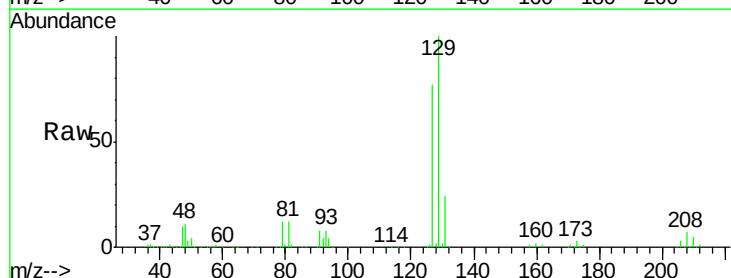
Manual Integrations
APPROVED

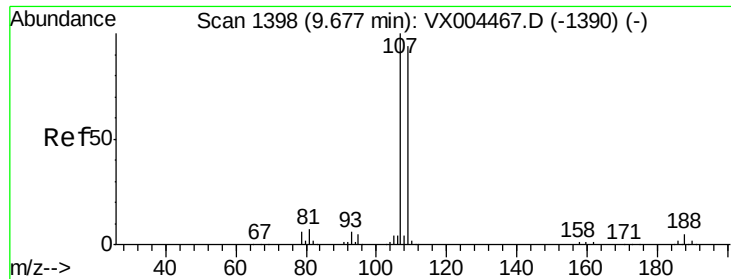
MMDadoda
9/19/2018 12:51:26 PM



#60
Dibromochloromethane
Concen: 49.72 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004671.D
Acq: 18 Sep 2018 21:36

Tgt Ion: 129 Resp: 158040
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 49.84 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 160778

Ion Ratio Lower Upper

107 100

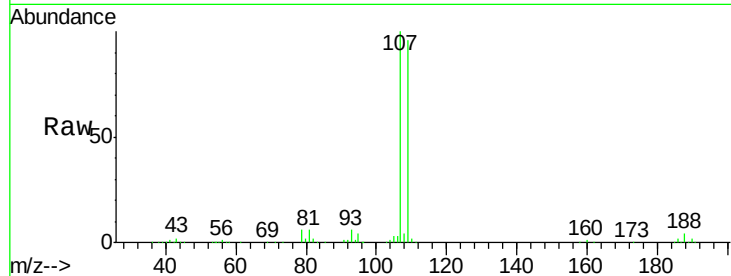
109 95.6 76.0 114.0

Manual Integrations

APPROVED

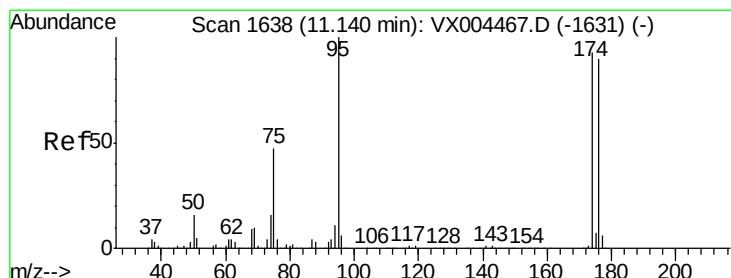
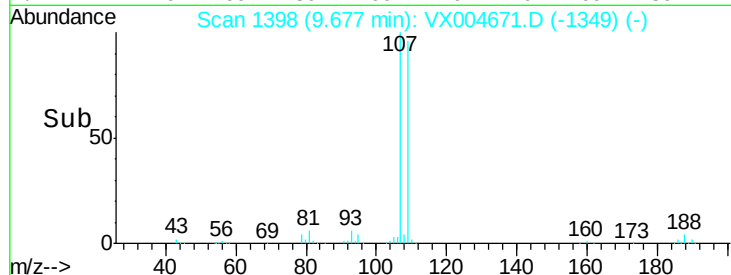
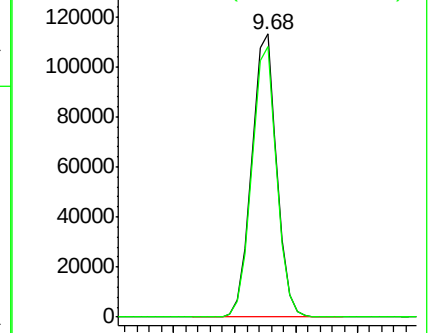
MMDadoda

9/19/2018 12:51:26 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.19 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

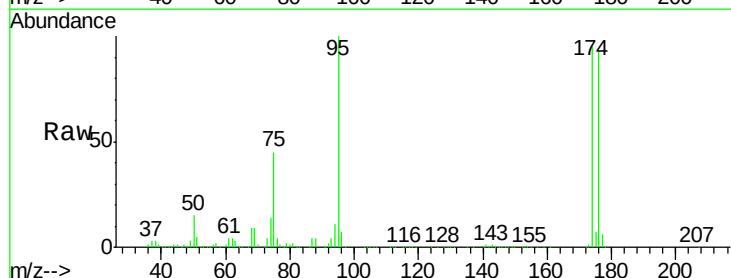
Tgt Ion: 95 Resp: 178856

Ion Ratio Lower Upper

95 100

174 94.4 0.0 185.2

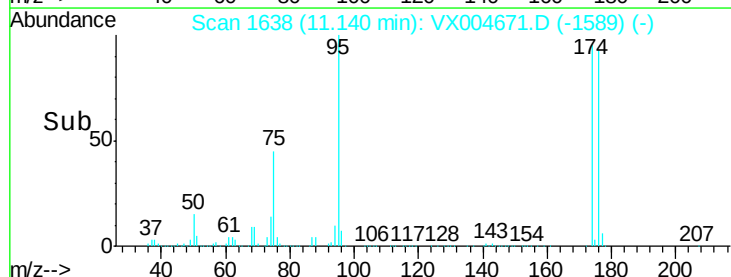
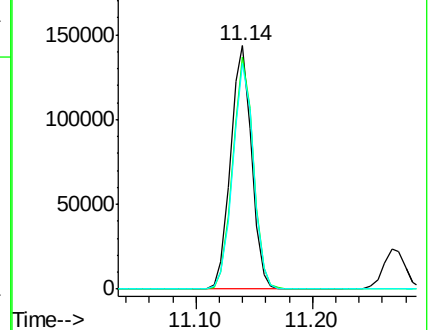
176 91.9 0.0 178.6

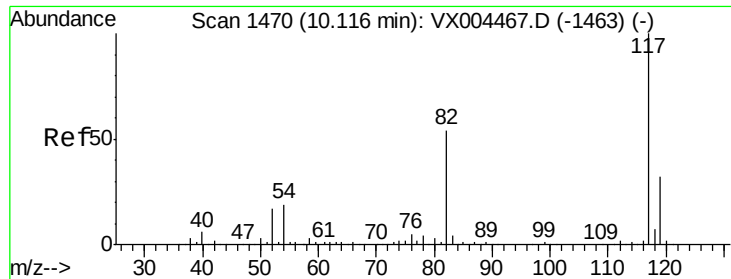


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





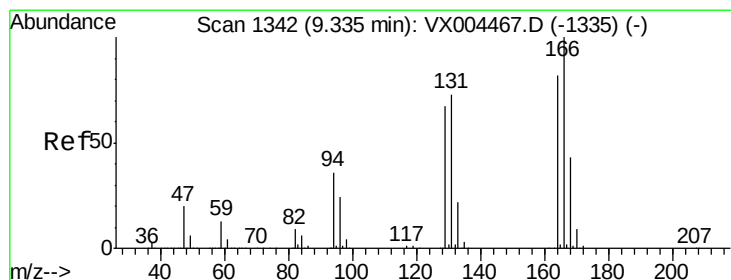
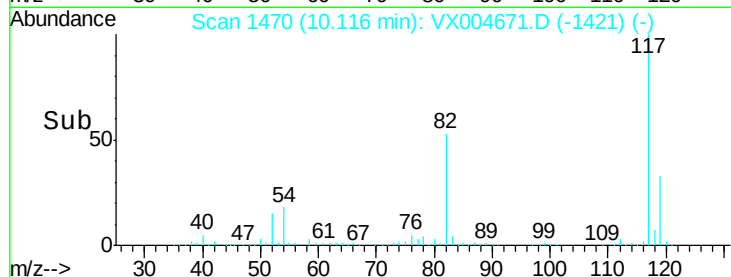
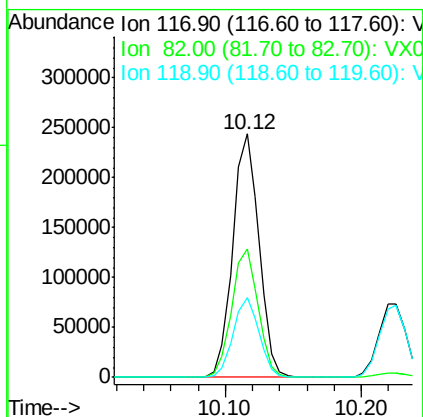
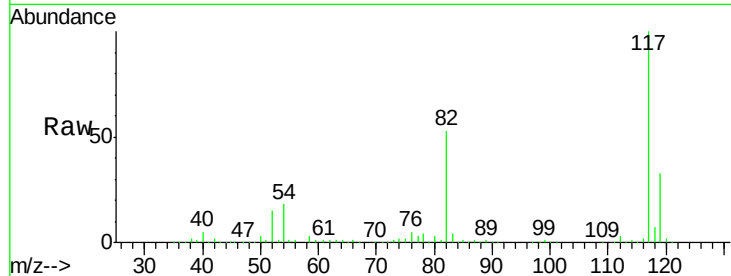
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004671.D
Acq: 18 Sep 2018 21:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	47.8	71.6
119	32.7	29.3	43.9

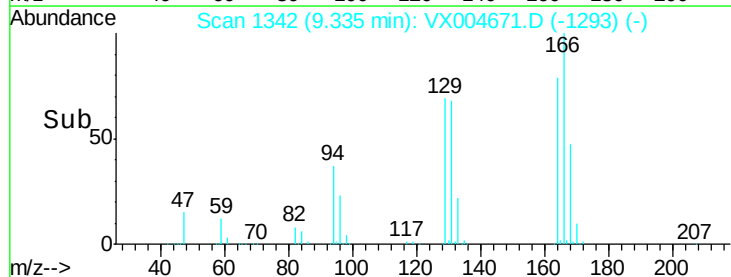
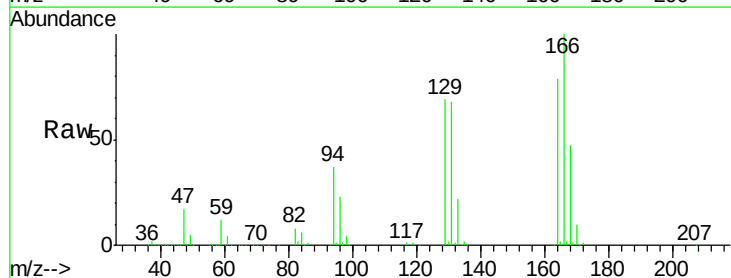
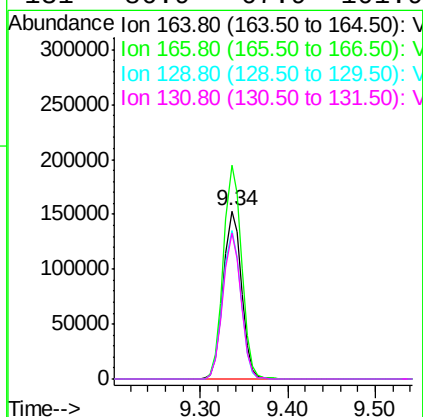
Manual Integrations
APPROVED

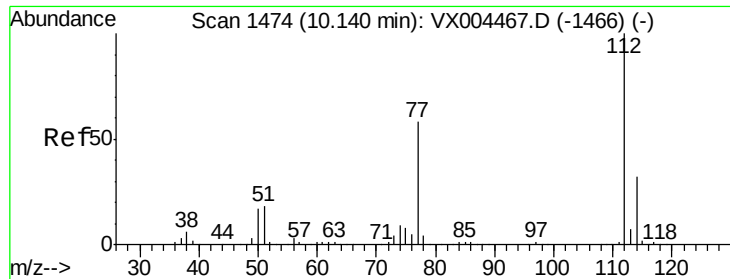
MMDadoda
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#64
Tetrachloroethene
Concen: 53.92 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004671.D
Acq: 18 Sep 2018 21:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	102.8	154.2
129	88.4	69.4	104.0
131	86.9	67.9	101.9





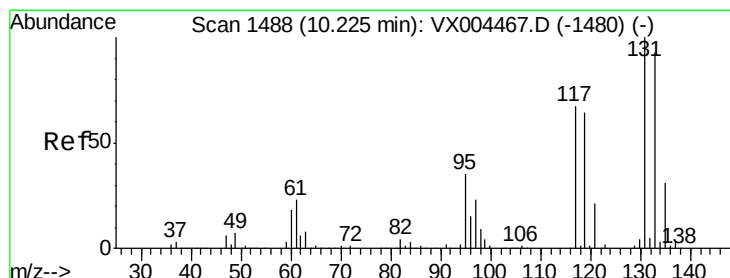
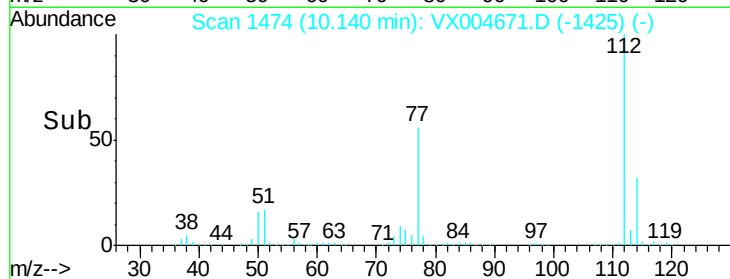
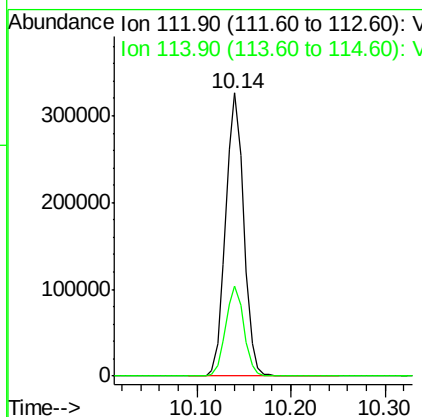
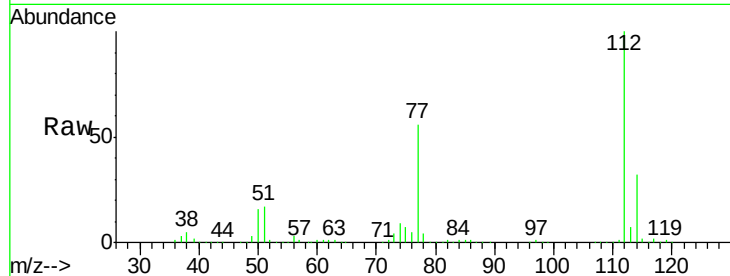
#65
Chlorobenzene
Concen: 53.63 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004671.D
Acq: 18 Sep 2018 21:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 435860
Ion Ratio Lower Upper
112 100
114 32.0 27.8 41.8

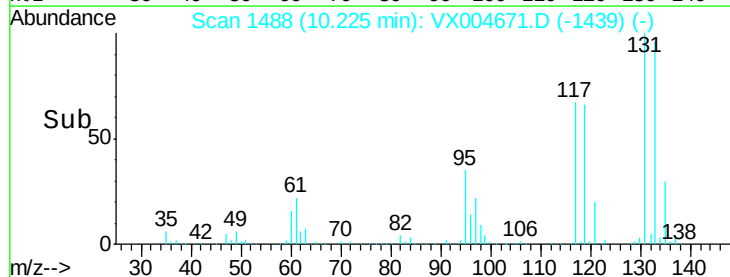
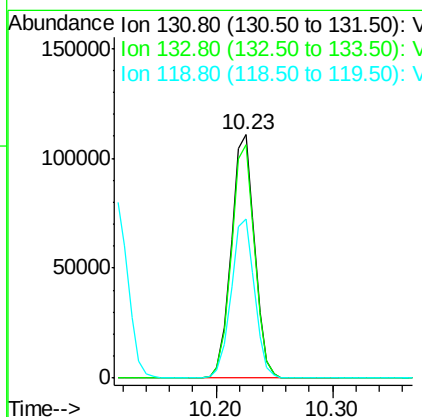
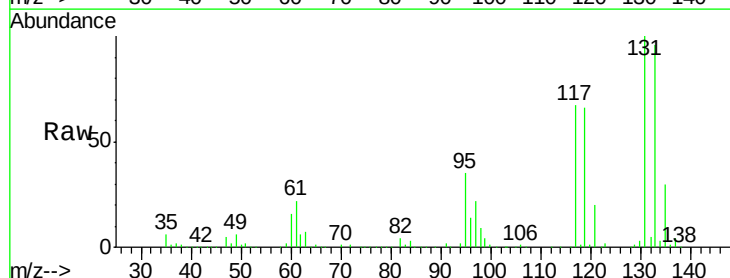
Manual Integrations
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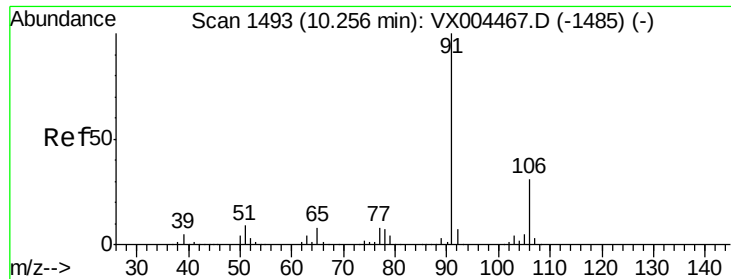
MMDadoda
9/19/2018 12:51:26 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.83 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX004671.D
Acq: 18 Sep 2018 21:36

Tgt Ion:131 Resp: 153674
Ion Ratio Lower Upper
131 100
133 95.7 48.1 144.4
119 65.7 32.9 98.6





#67

Ethyl Benzene

Concen: 55.41 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 732199

Ion Ratio Lower Upper

91 100

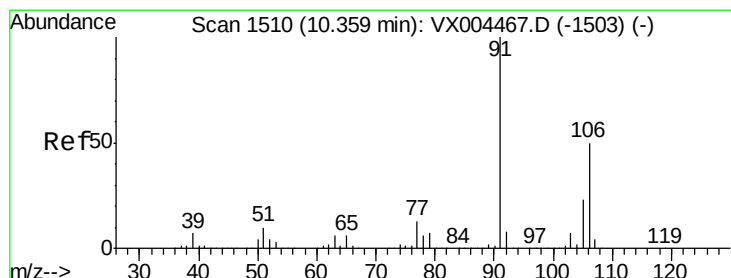
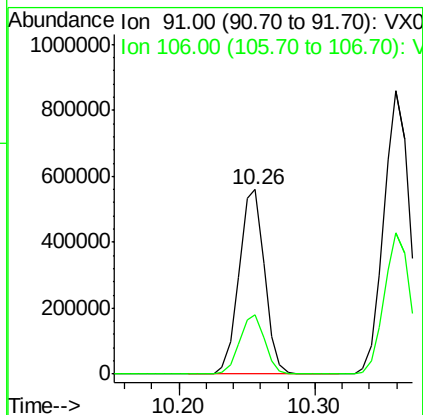
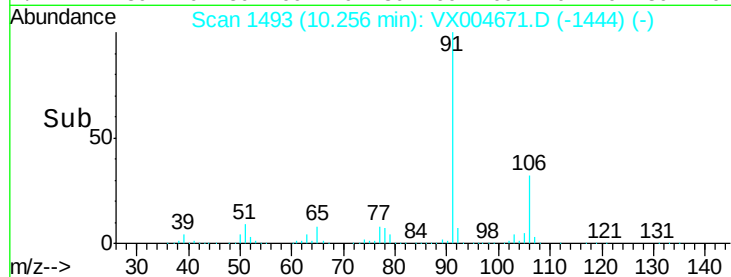
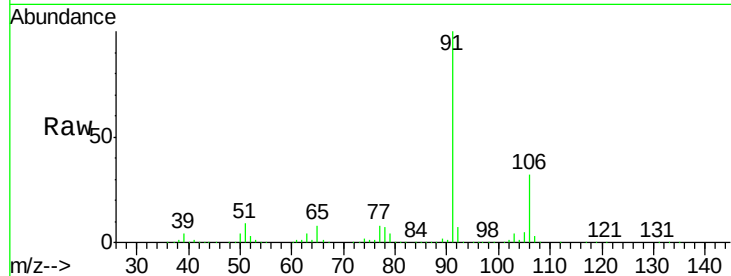
106 31.9 25.9 38.9

Manual Integrations

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9/19/2018 12:51:26 PM



#68

m/p-Xylenes

Concen: 111.96 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX004671.D

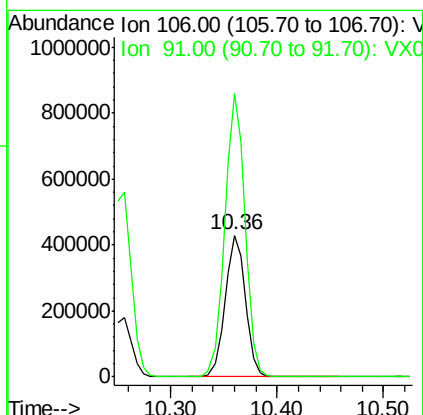
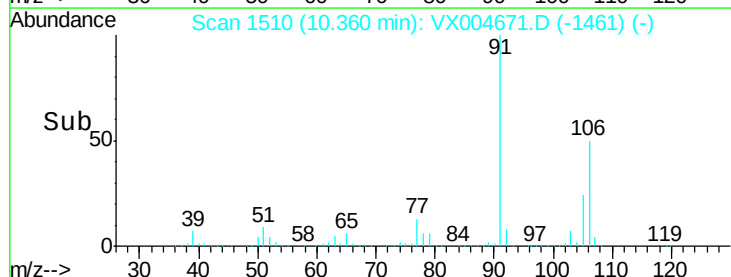
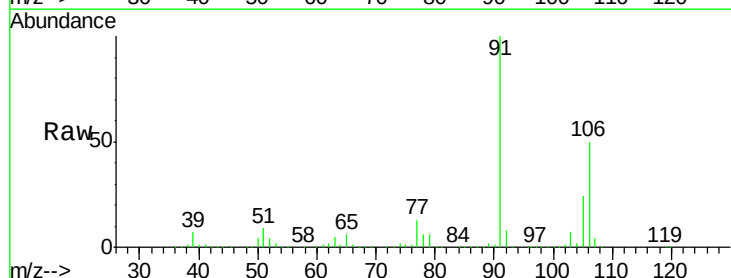
Acq: 18 Sep 2018 21:36

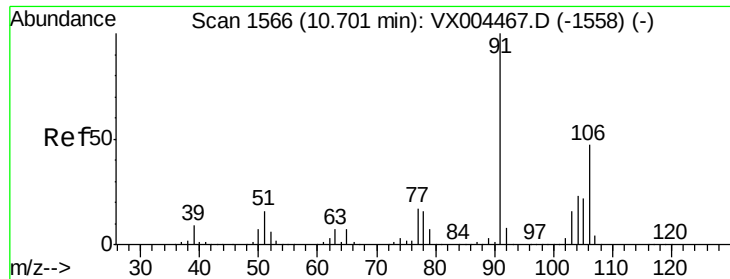
Tgt Ion: 106 Resp: 569919

Ion Ratio Lower Upper

106 100

91 200.1 157.1 235.7





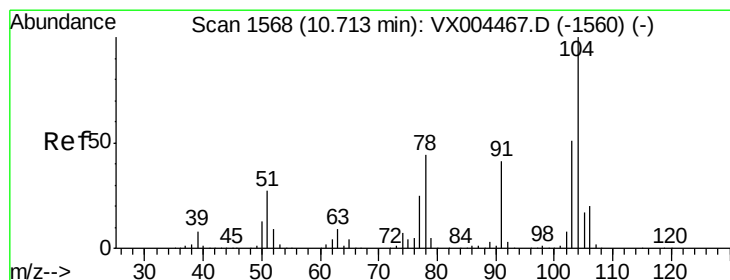
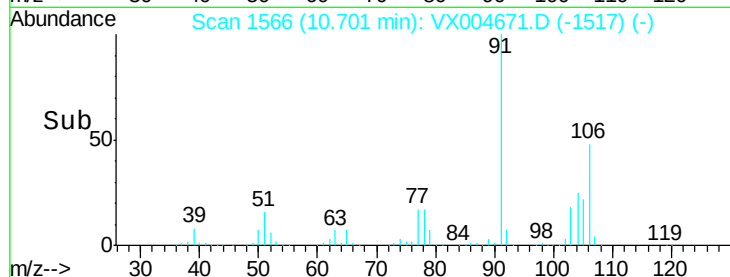
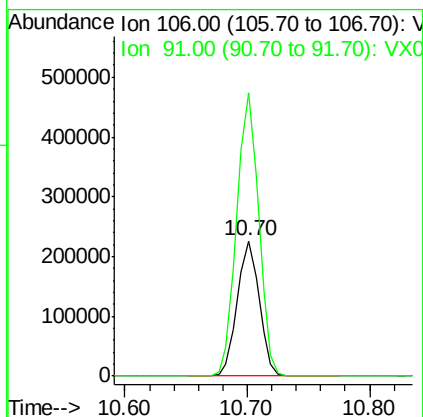
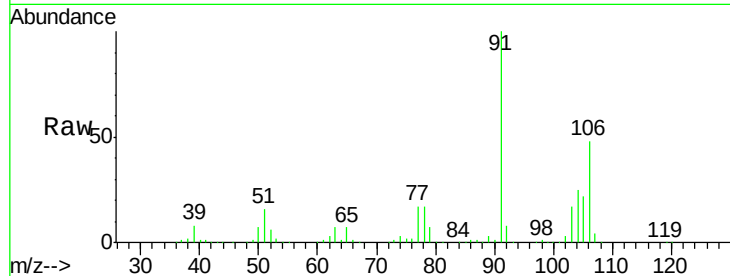
#69
o-Xylene
Concen: 57.37 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004671.D
Acq: 18 Sep 2018 21:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		280762		
91	209.8	105.1	315.1		

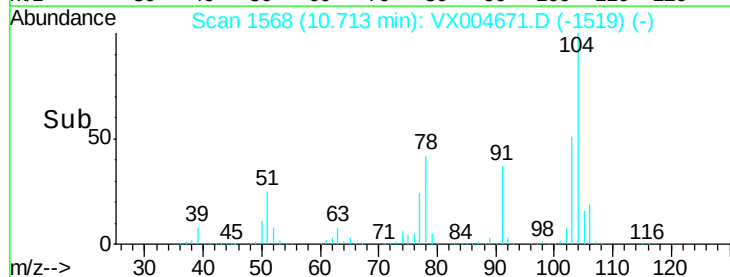
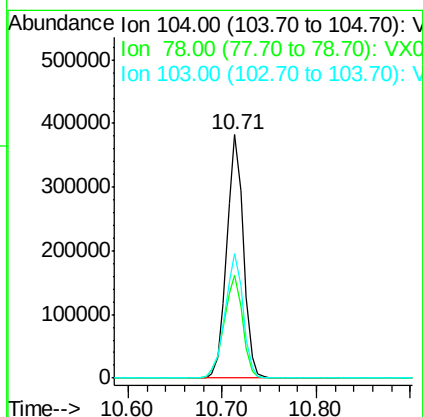
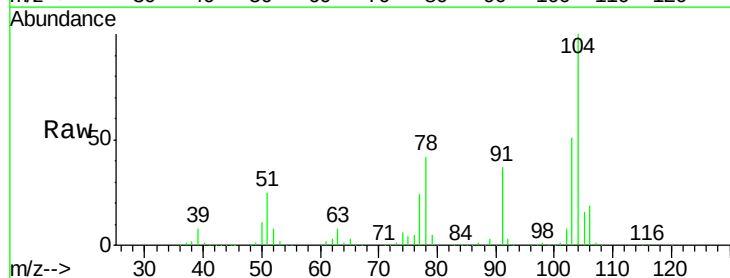
Manual Integrations
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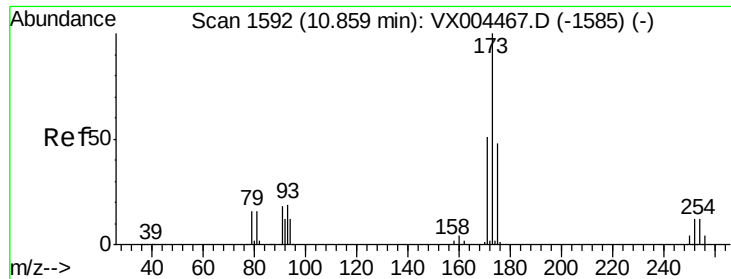
MMDadoda
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#70
Styrene
Concen: 57.93 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004671.D
Acq: 18 Sep 2018 21:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		469656		
78	47.1	37.4	56.0		
103	55.4	43.8	65.6		





#71

Bromoform

Concen: 54.85 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Instrument :

MSVOA_X

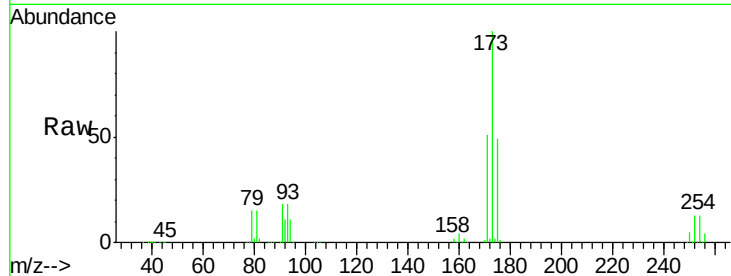
ClientSampleId :

VSTDCCC050

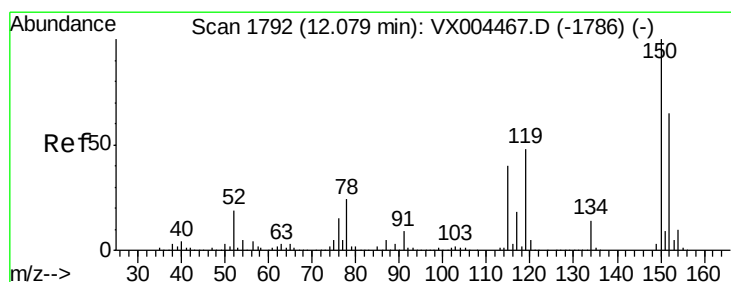
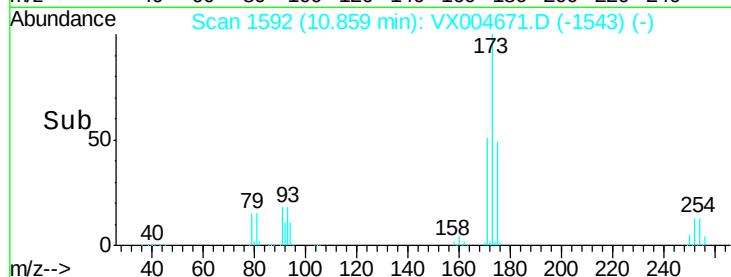
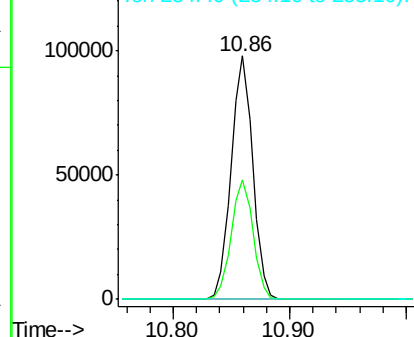
Tot Ion:	173	Resp:	126216
Ion Ratio	Lower	Upper	
173	100		
175	49.8	24.1	72.3
254	0.2	0.2	0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

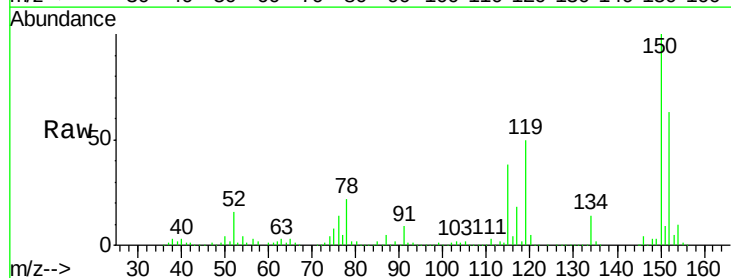
RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

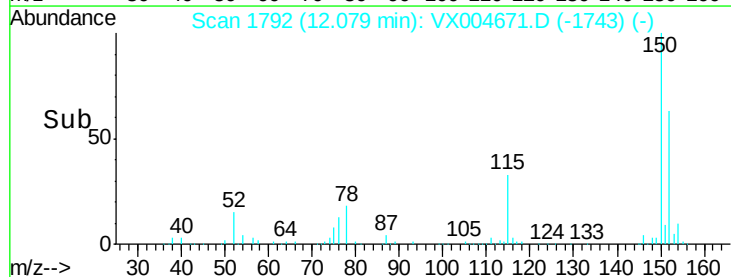
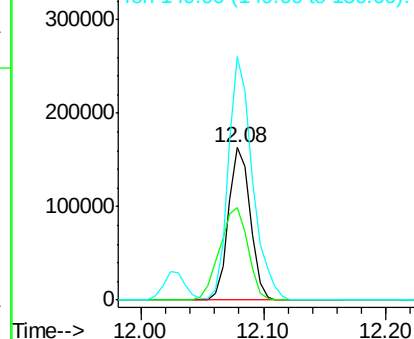
Lab File: VX004671.D

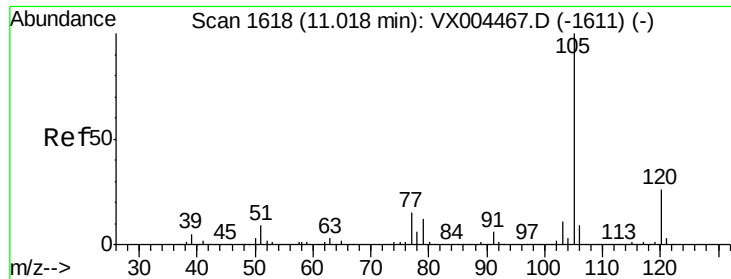
Acq: 18 Sep 2018 21:36

Tgt Ion:	152	Resp:	200921
Ion Ratio	Lower	Upper	
152	100		
115	78.8	39.0	117.0
150	176.4	0.0	351.0



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: 56.83 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 751988

Ion Ratio Lower Upper

105 100

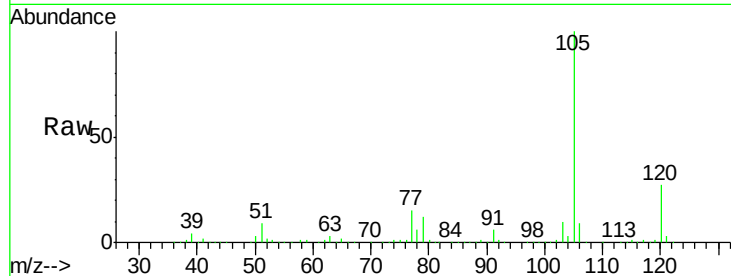
120 27.0 13.5 40.4

Manual Integrations

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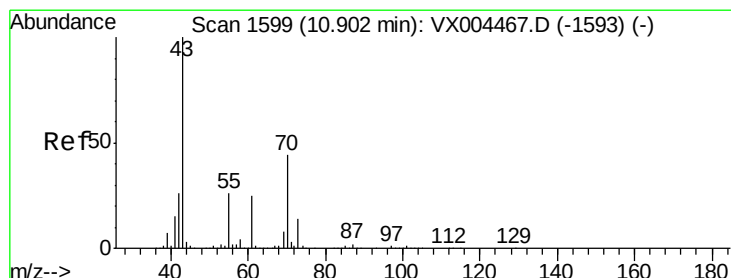
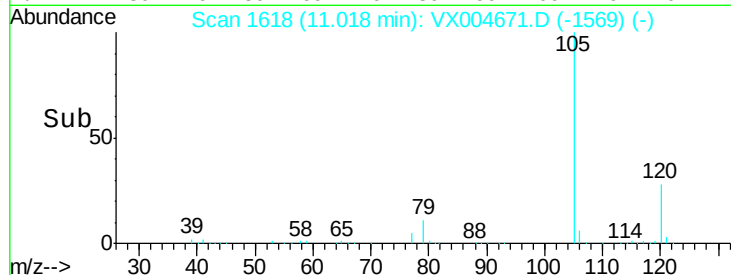
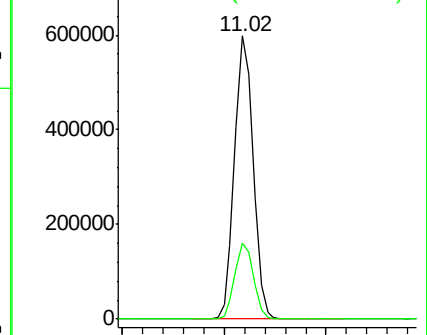
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.28 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Tgt Ion: 43 Resp: 307877

Ion Ratio Lower Upper

43 100

70 45.0 37.4 56.0

55 25.7 21.8 32.8

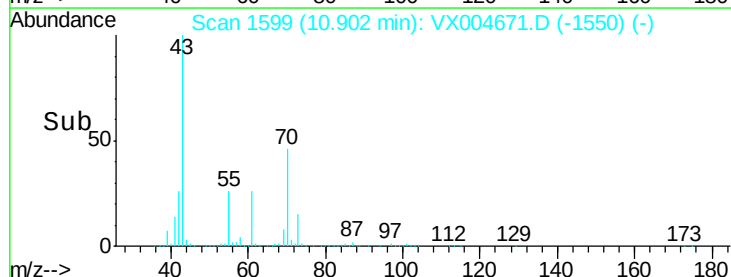
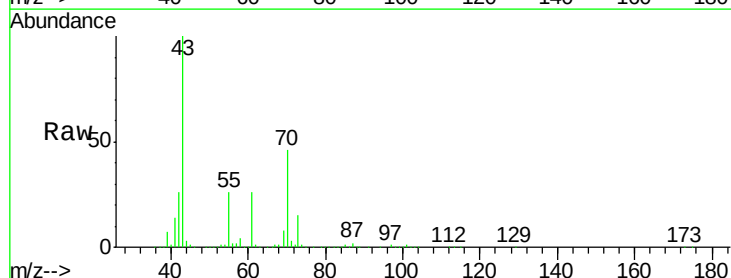
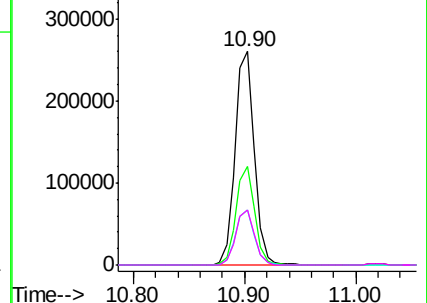
61 25.5 20.6 30.8

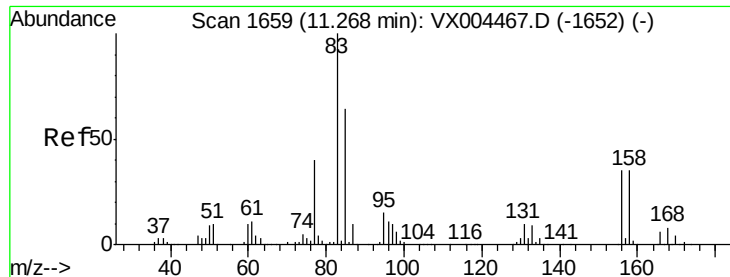
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.31 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Instrument :

MSVOA_X

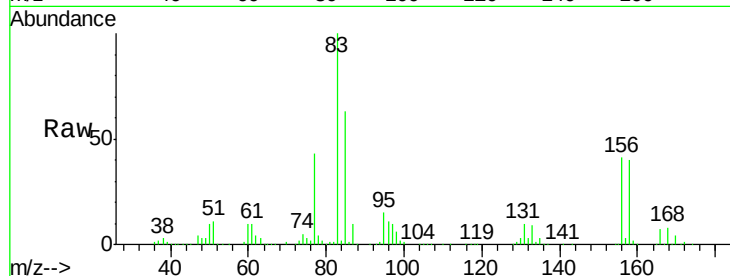
ClientSampleId :

VSTDCCC050

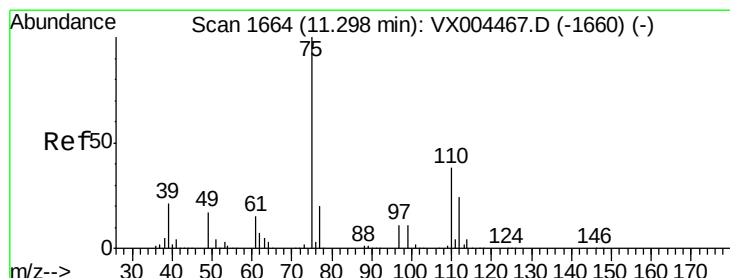
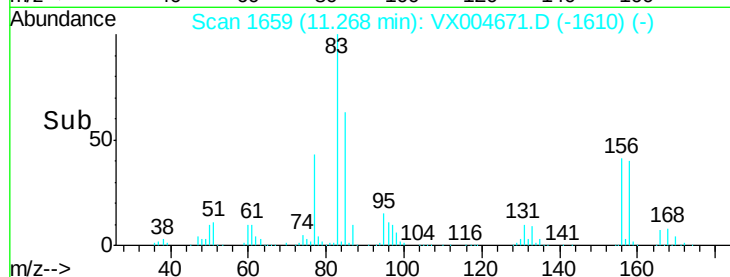
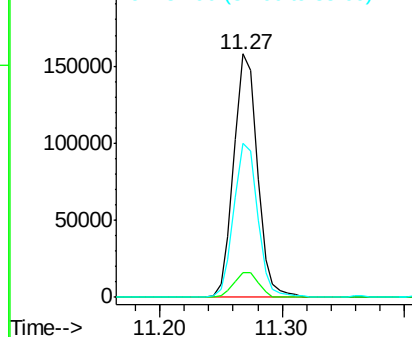
Tot Ion:	83	Resp:	210460
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	64.2	32.3	96.8

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



#76

1,2,3-Trichloropropane

Concen: 52.68 ug/l m

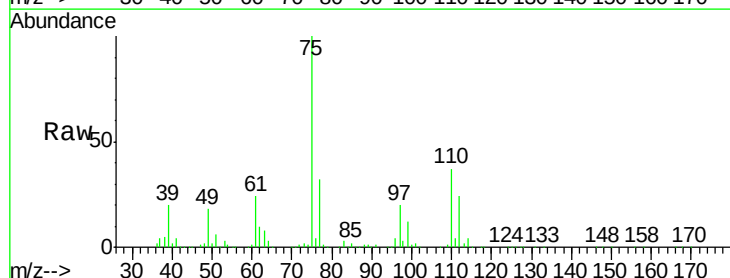
RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

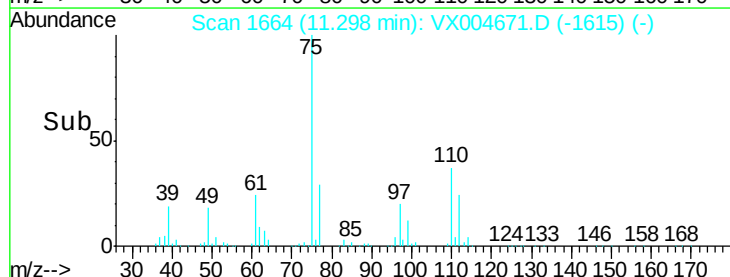
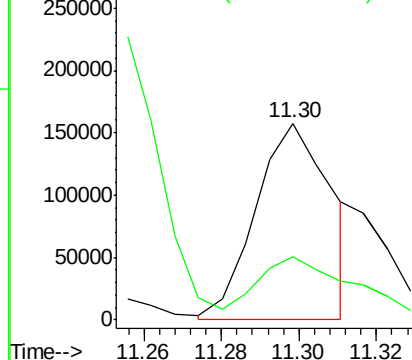
Lab File: VX004671.D

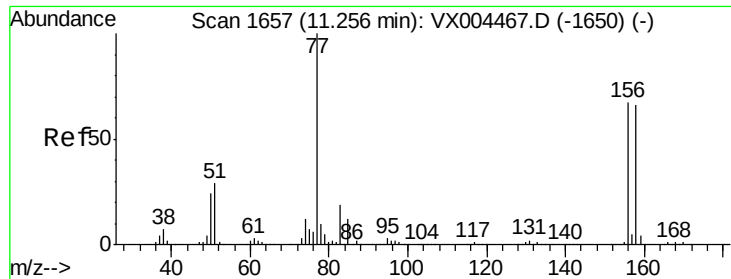
Acq: 18 Sep 2018 21:36

Tgt Ion:	75	Resp:	212933
Ion Ratio	Lower	Upper	
75	100		
77	41.4	20.2	60.6



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





#77

Bromobenzene

Concen: 55.18 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Instrument :

MSVOA_X

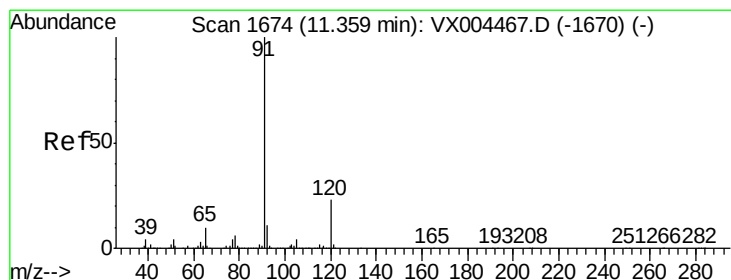
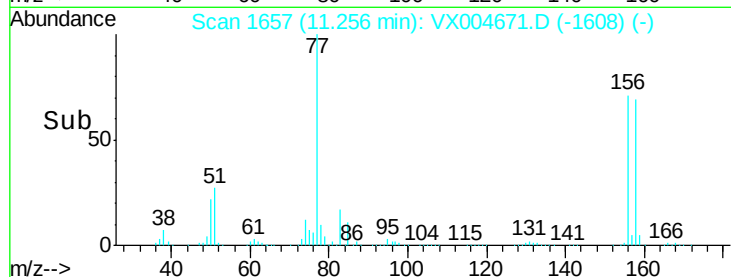
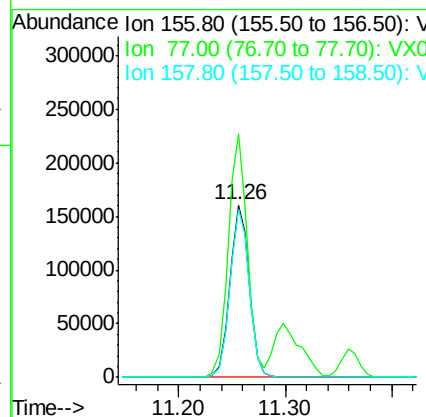
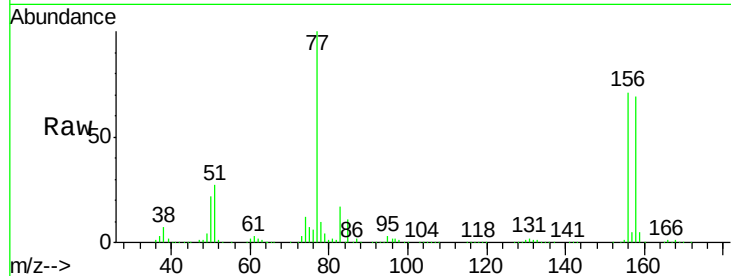
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	201816
Ion Ratio	Lower	Upper	
156	100		
77	140.5	71.5	214.3
158	97.7	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 56.04 ug/l

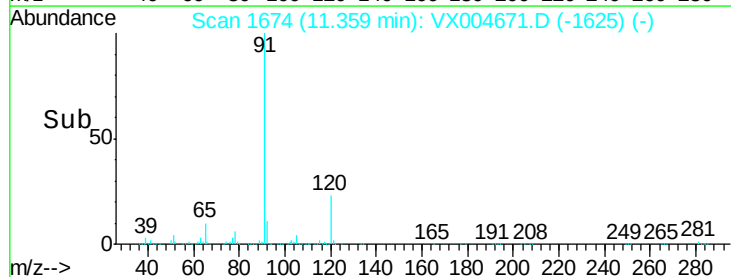
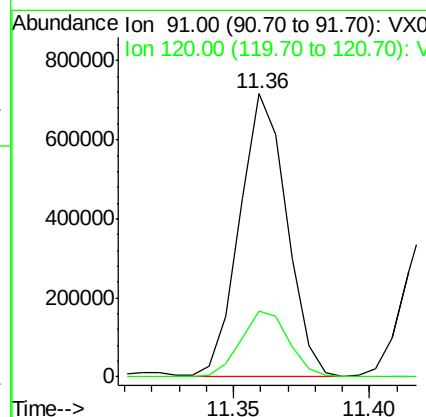
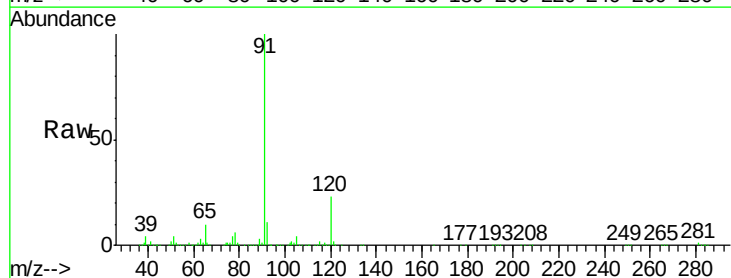
RT: 11.36 min Scan# 1674

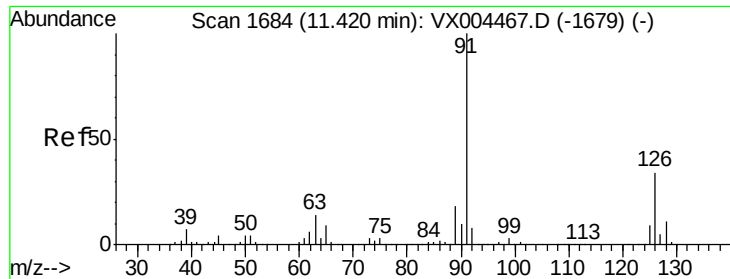
Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Tgt Ion:	91	Resp:	852605
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.9	35.9





#79

2-Chlorotoluene

Concen: 54.67 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 504475

Ion Ratio Lower Upper

91 100

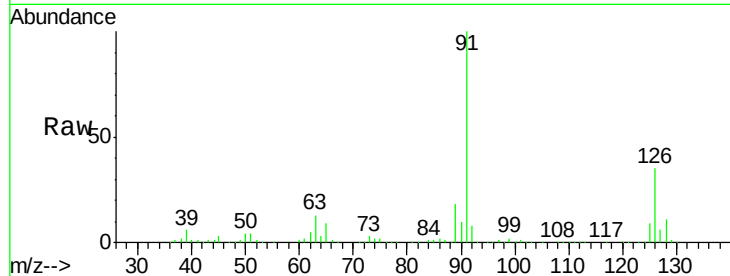
126 35.6 17.9 53.7

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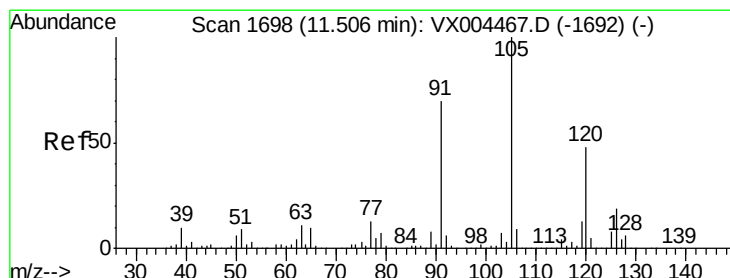
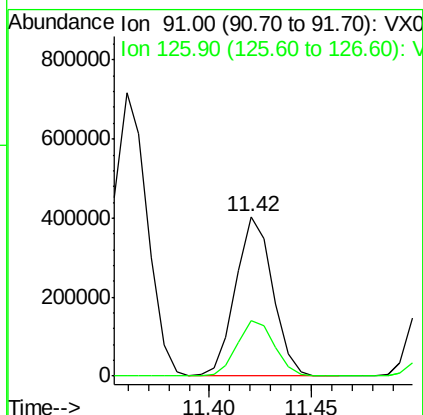
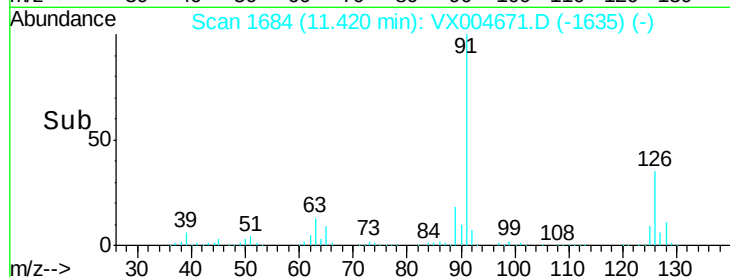
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Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX004467.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 56.56 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004671.D

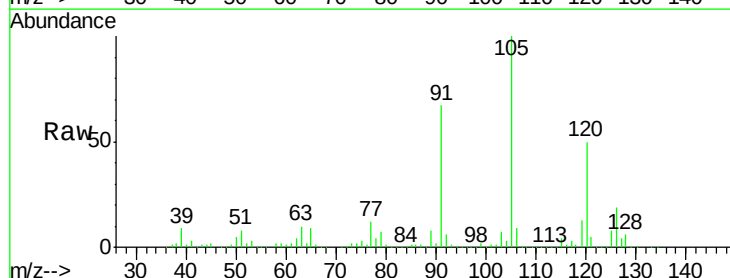
Acq: 18 Sep 2018 21:36

Tgt Ion: 105 Resp: 629191

Ion Ratio Lower Upper

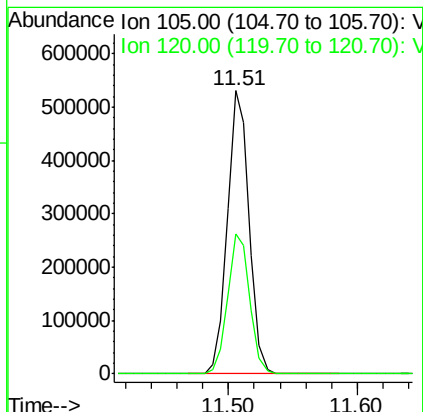
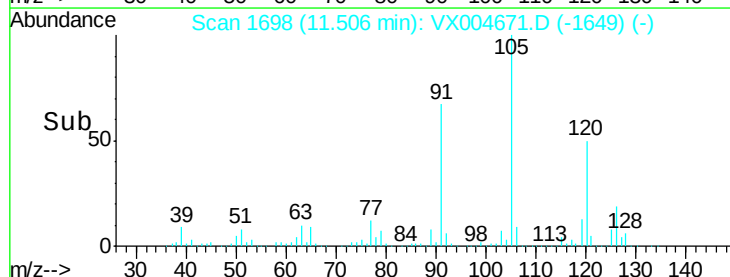
105 100

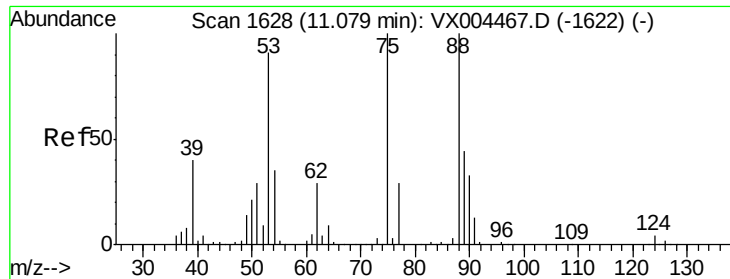
120 50.1 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004467.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX004467.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 55.43 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Instrument :

MSVOA_X

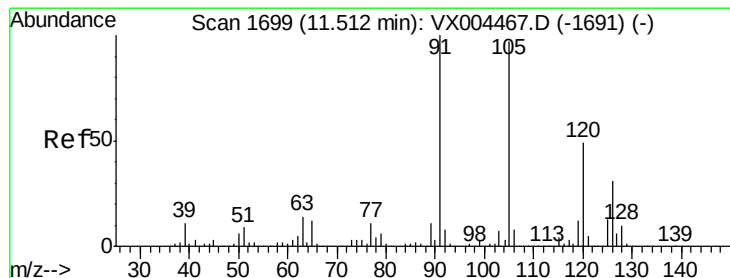
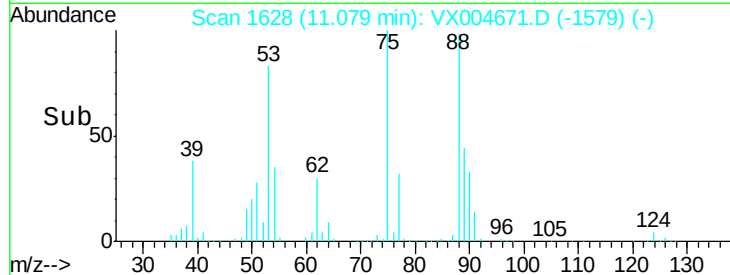
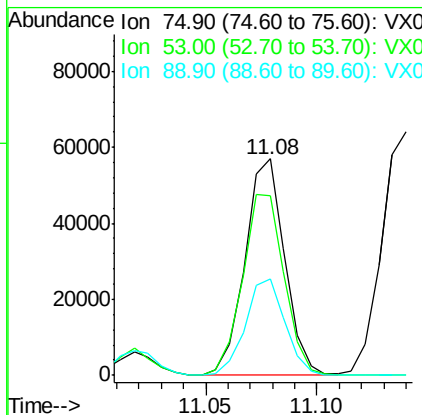
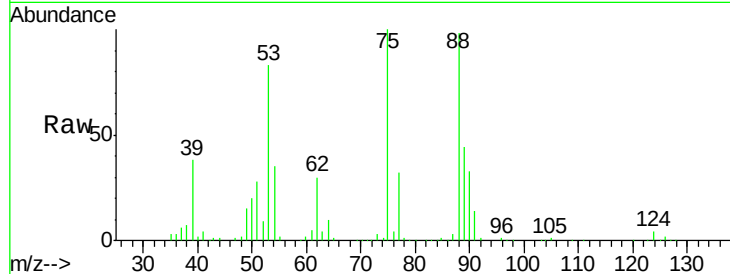
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	70301
Ion	Ratio	Lower	Upper
75	100		
53	89.1	80.1	120.1
89	45.1	37.2	55.8

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#82

4-Chlorotoluene

Concen: 54.52 ug/l

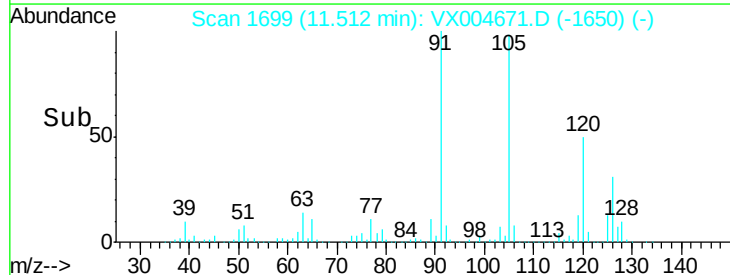
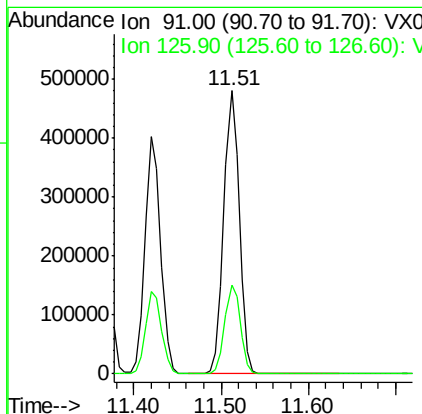
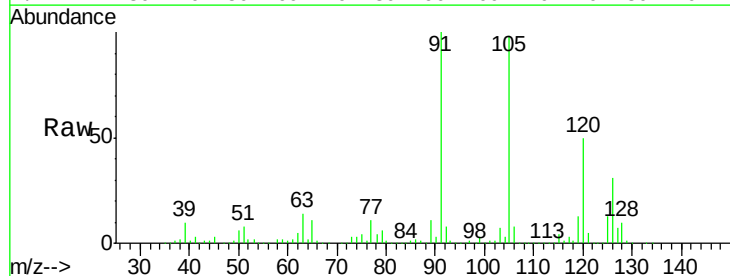
RT: 11.51 min Scan# 1699

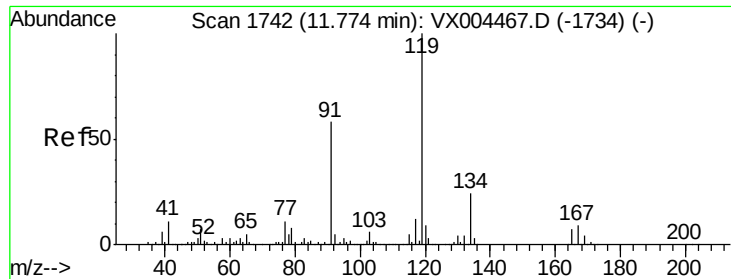
Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Tgt Ion:	91	Resp:	587219
Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.5	46.5





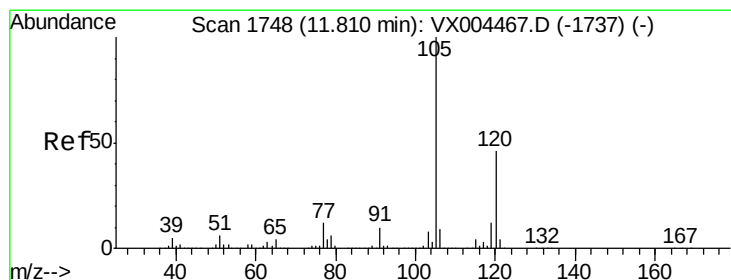
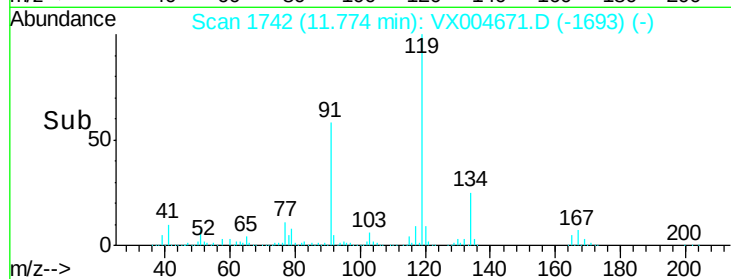
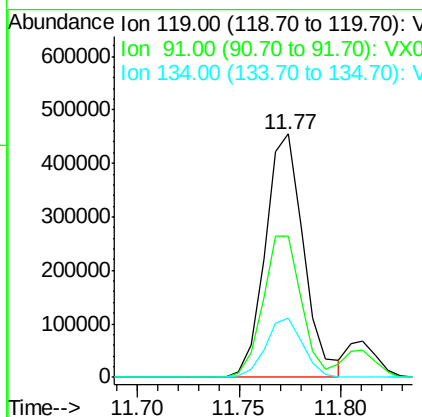
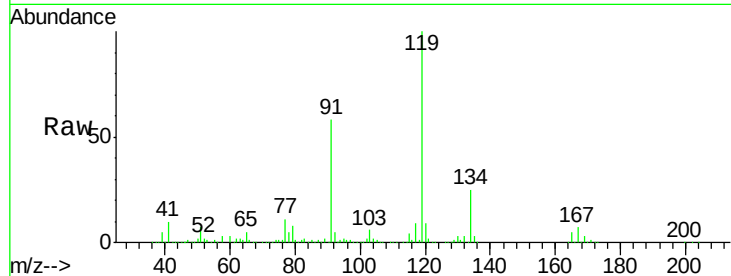
#83
 tert-Butylbenzene
 Concen: 56.37 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX004671.D
 Acq: 18 Sep 2018 21:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	597033		
91	57.7		27.0	81.0
134	23.6		11.7	35.1

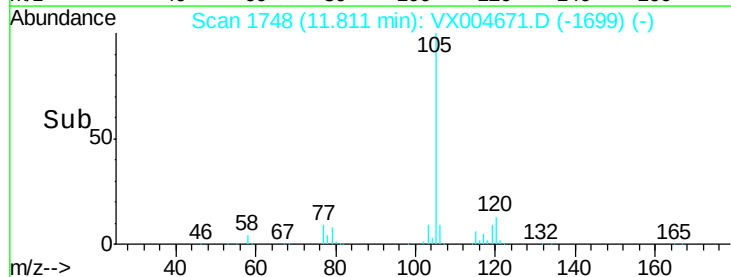
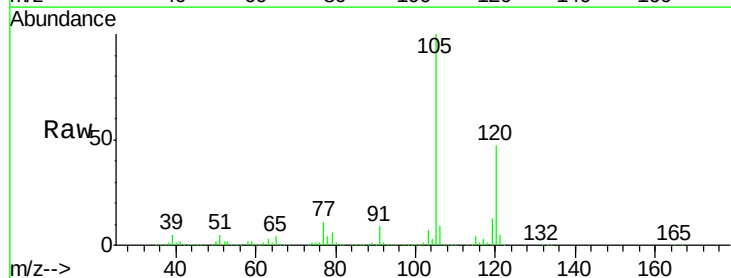
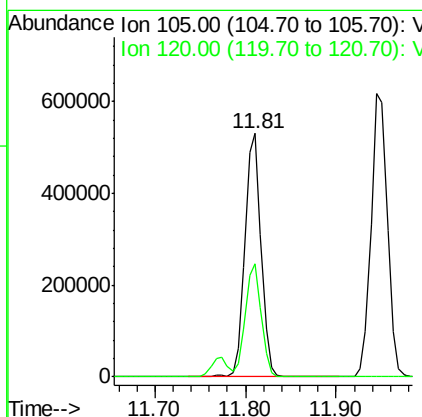
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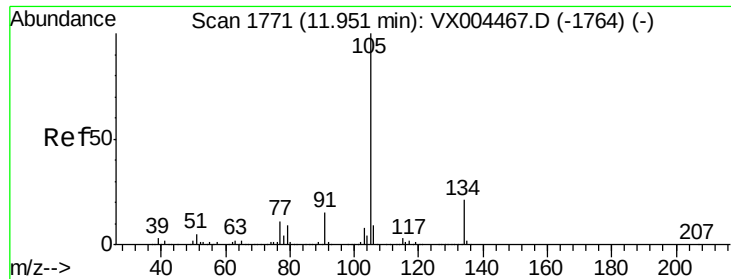
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#84
 1,2,4-Trimethylbenzene
 Concen: 57.35 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004671.D
 Acq: 18 Sep 2018 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	651316		
120	45.8		23.2	69.6





#85

sec-Butylbenzene

Concen: 57.15 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 771273

Ion Ratio Lower Upper

105 100

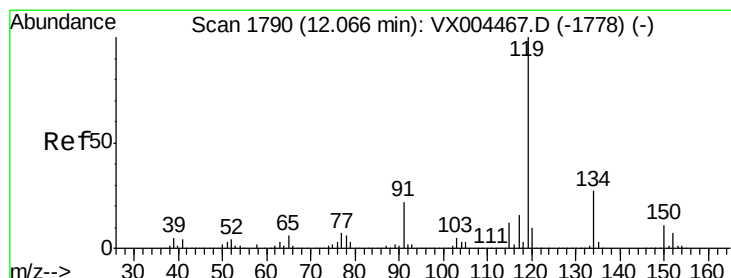
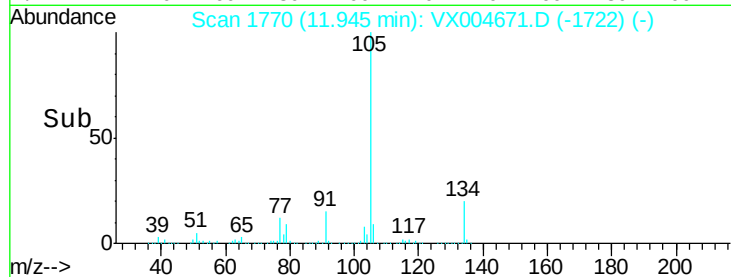
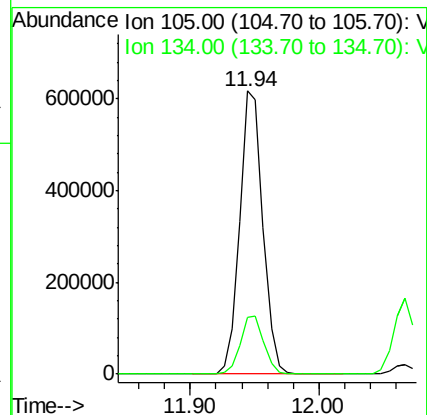
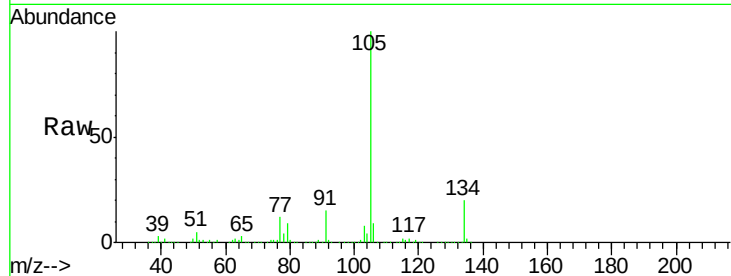
134 20.7 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 58.35 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

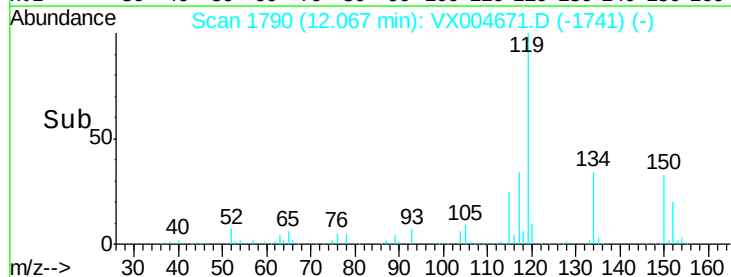
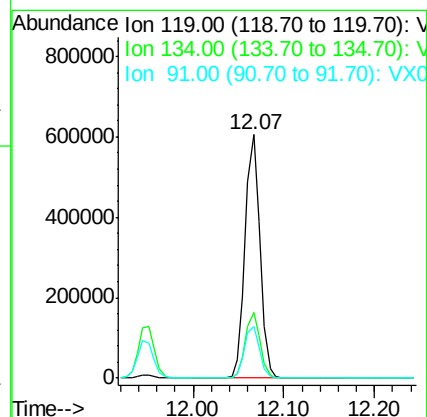
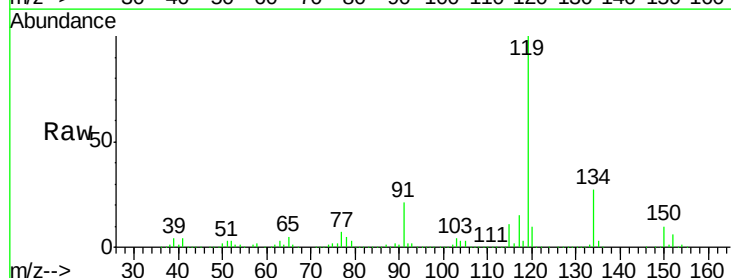
Tgt Ion:119 Resp: 695342

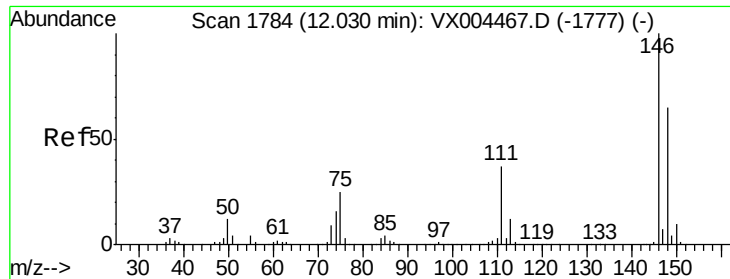
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 21.6 10.9 32.7





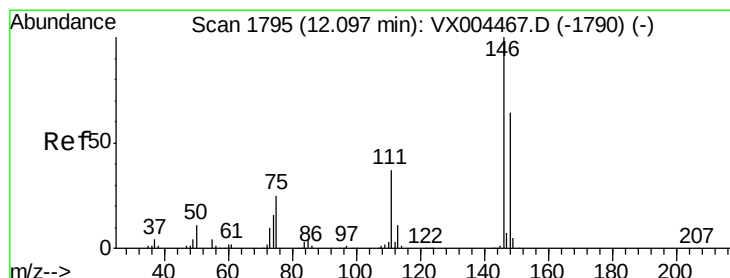
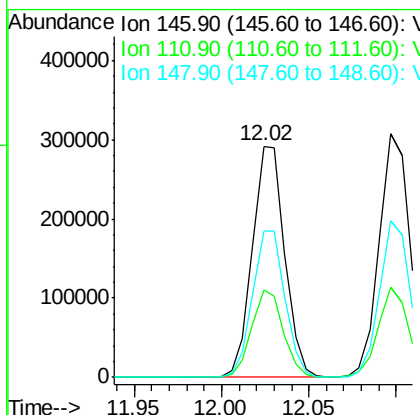
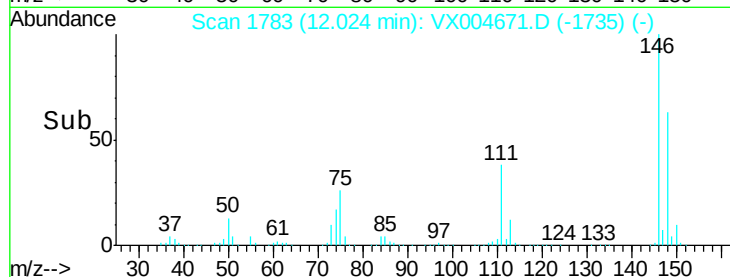
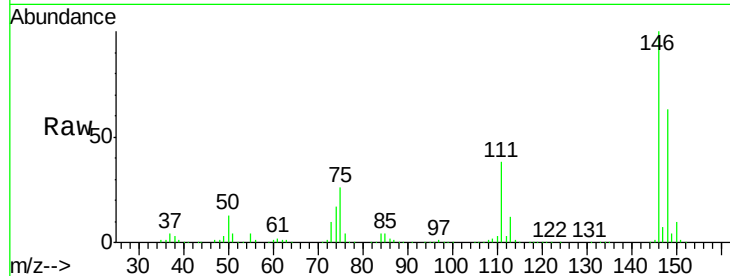
#87
 1,3-Dichlorobenzene
 Concen: 54.89 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004671.D
 Acq: 18 Sep 2018 21:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.7	56.1
148	63.7	32.1	96.5

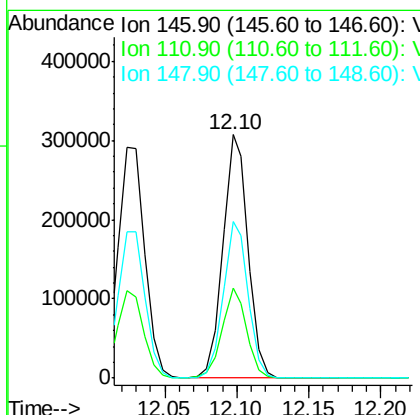
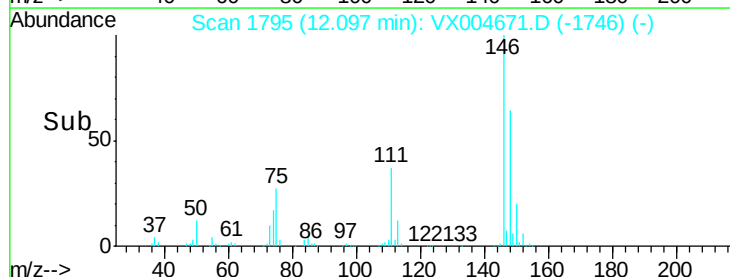
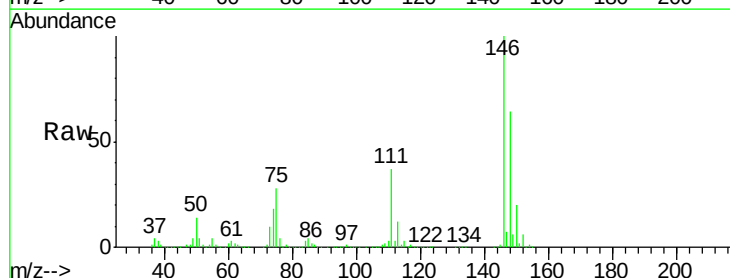
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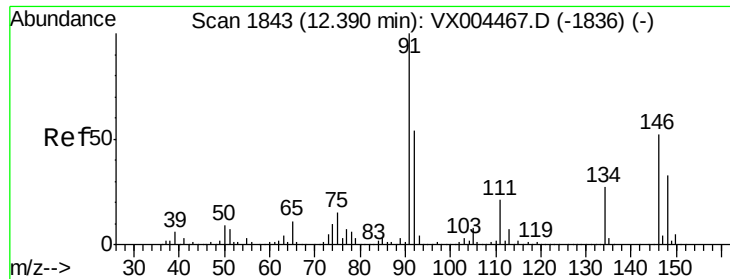
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#88
 1,4-Dichlorobenzene
 Concen: 53.29 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004671.D
 Acq: 18 Sep 2018 21:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.1
148	63.9	32.0	96.0





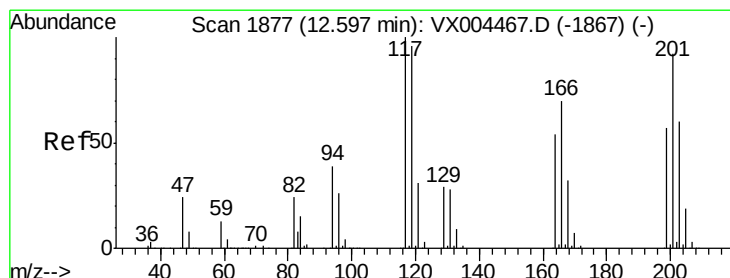
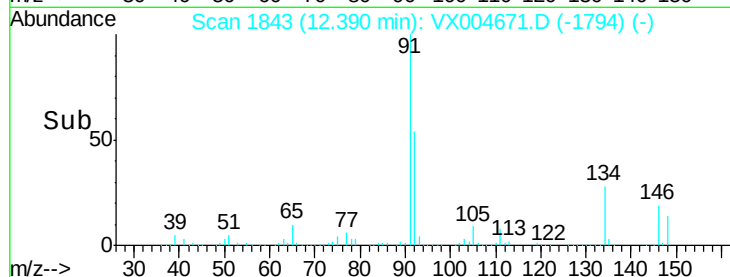
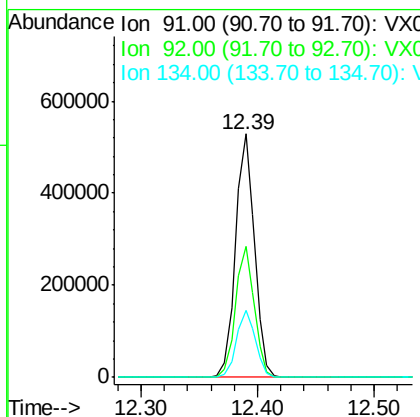
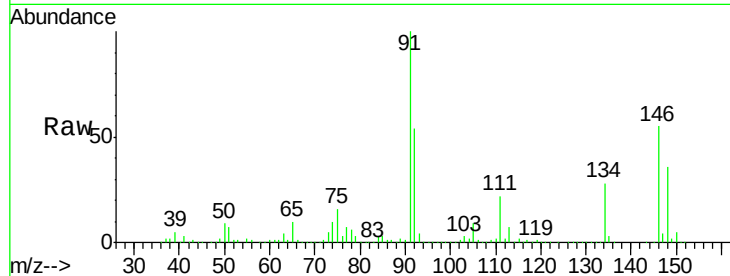
#89
n-Butylbenzene
Concen: 55.22 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004671.D
Acq: 18 Sep 2018 21:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	599696		
92	53.3	27.3	81.9	
134	27.5	13.6	40.7	

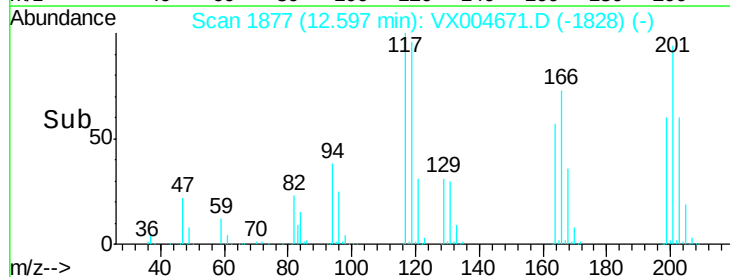
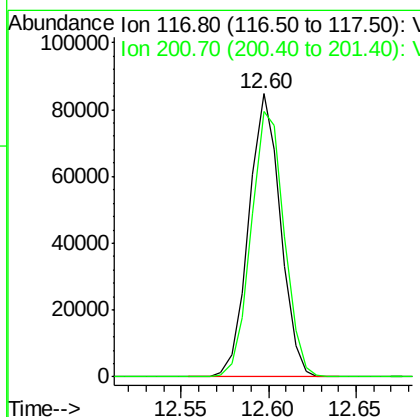
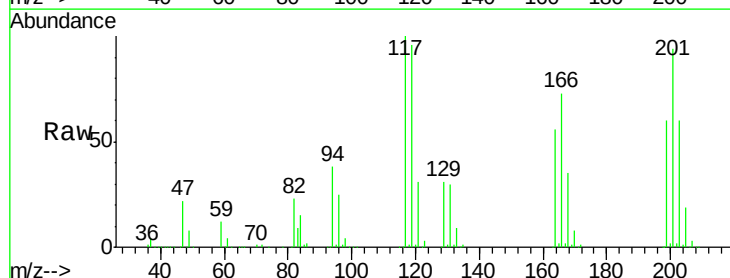
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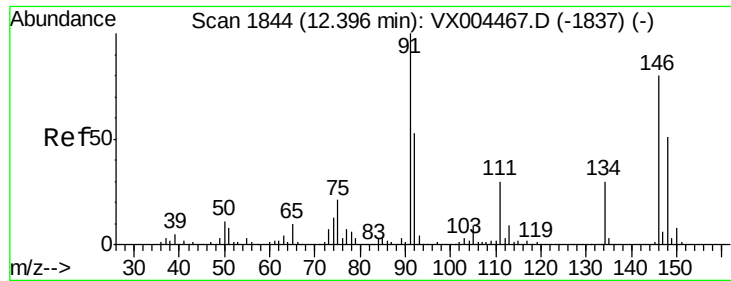
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#90
Hexachloroethane
Concen: 55.72 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004671.D
Acq: 18 Sep 2018 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	106299		
201	98.1	46.9	140.6	





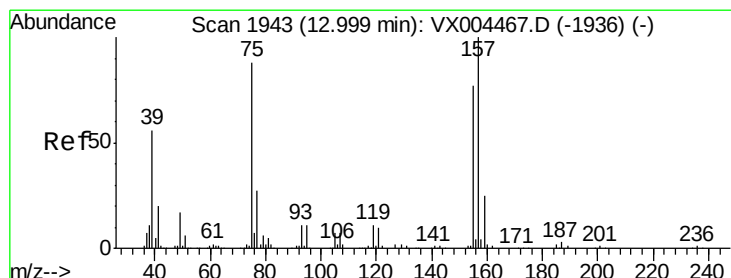
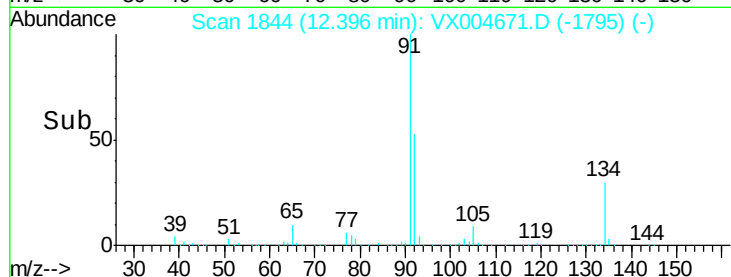
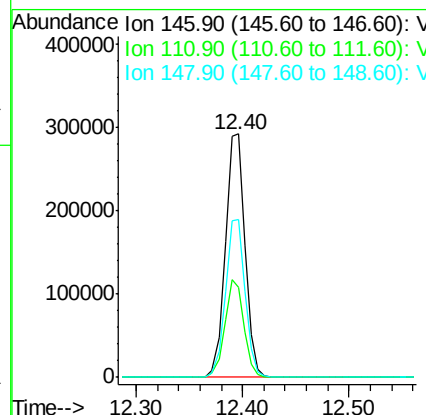
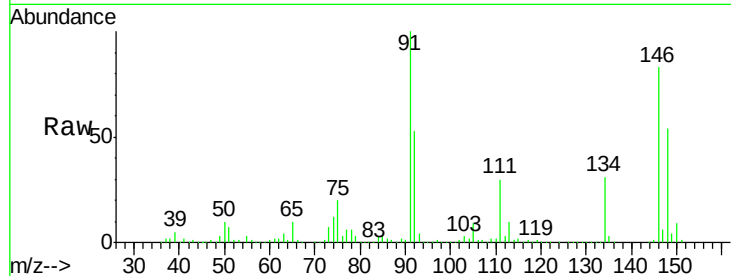
#91
 1,2-Dichlorobenzene
 Concen: 54.25 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: VX004671.D
 Acq: 18 Sep 2018 21:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.1
148	64.8	32.8	98.3

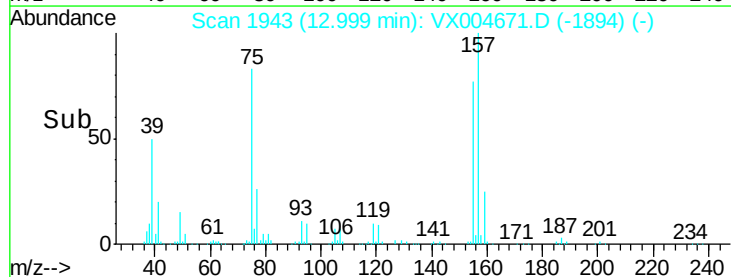
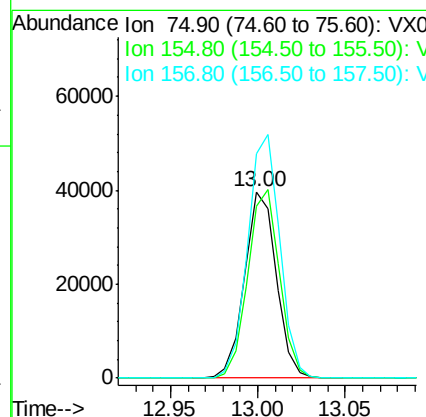
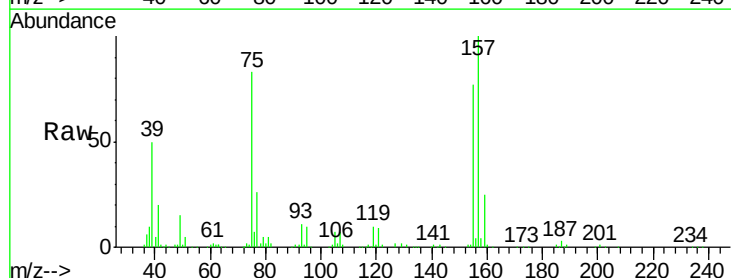
Manual Integrations
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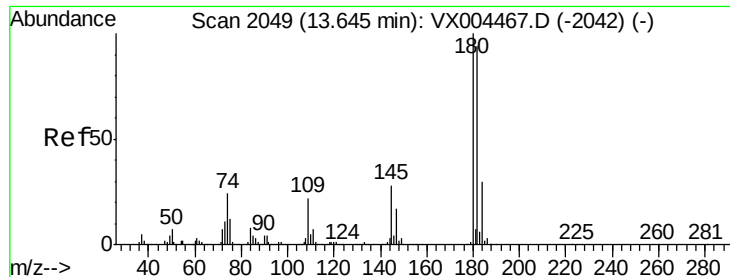
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.88 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004671.D
 Acq: 18 Sep 2018 21:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.2	48.0	144.2
157	132.1	61.4	184.1





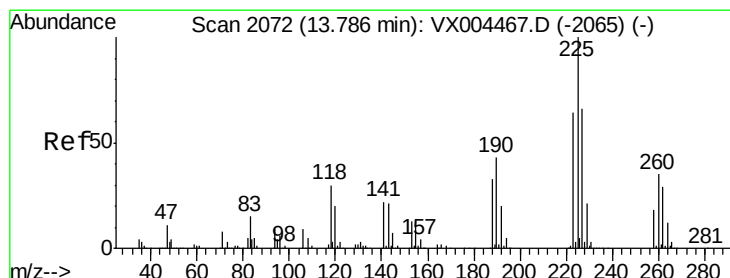
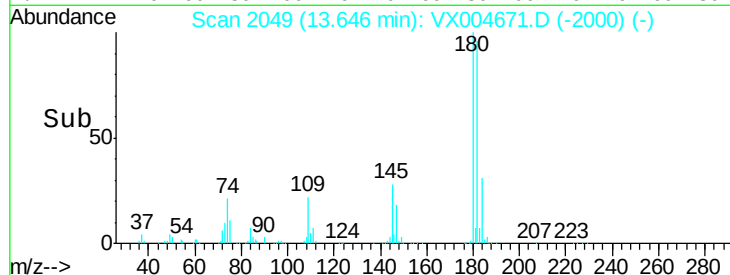
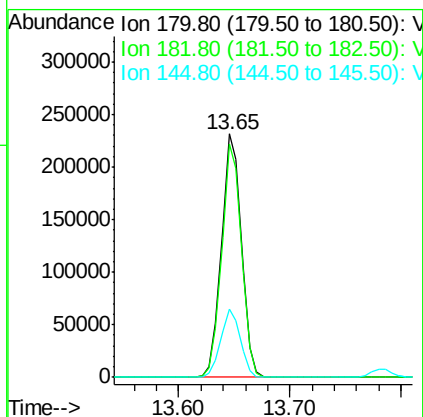
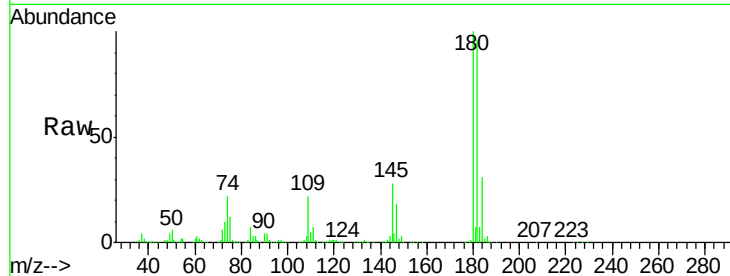
#93
 1,2,4-Trichlorobenzene
 Concen: 58.50 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004671.D
 Acq: 18 Sep 2018 21:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	286110		
182	95.0	48.4	145.0	
145	27.5	14.3	42.9	

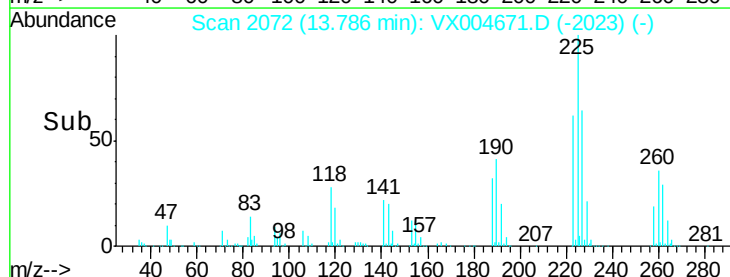
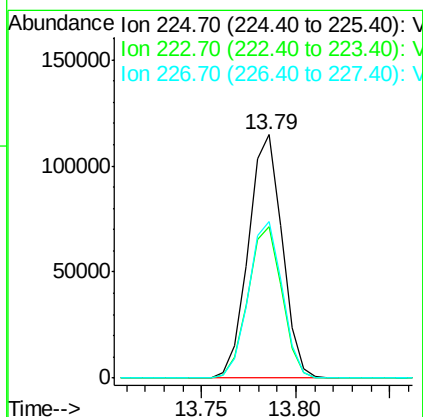
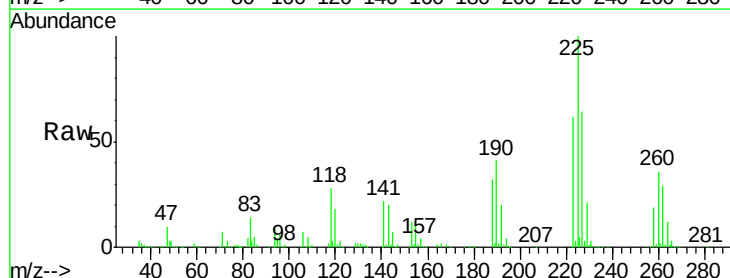
Manual Integrations
 APPROVED

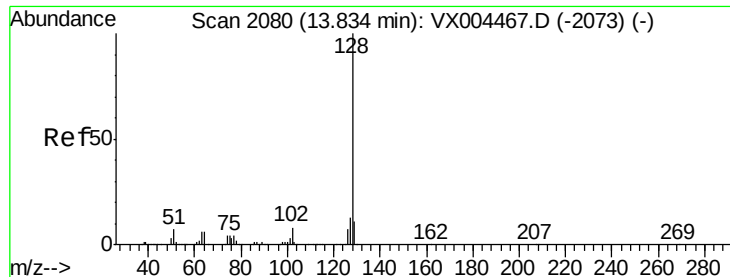
MMDadoda
 9/19/2018 12:51:26 PM



#94
 Hexachlorobutadiene
 Concen: 55.76 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004671.D
 Acq: 18 Sep 2018 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	142443		
223	62.7	30.1	90.5	
227	64.3	30.8	92.4	





#95

Naphthalene

Concen: 60.96 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Instrument :

MSVOA_X

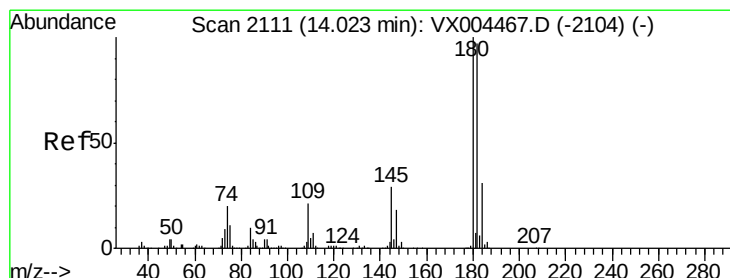
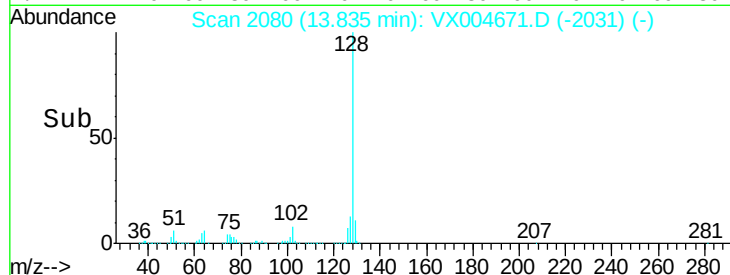
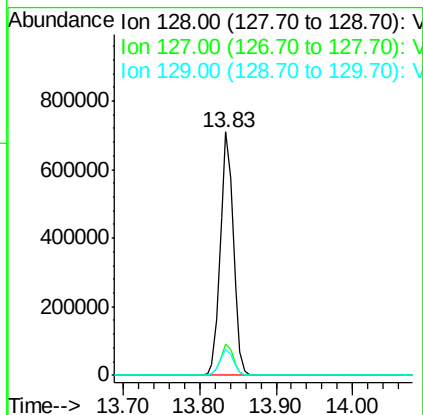
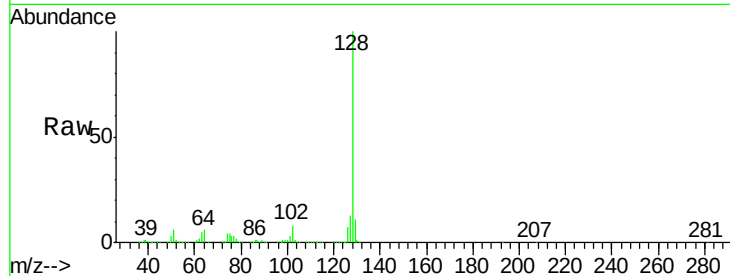
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	836189
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/19/2018 12:51:26 PM



#96

1,2,3-Trichlorobenzene

Concen: 57.36 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX004671.D

Acq: 18 Sep 2018 21:36

Tgt Ion:	180	Resp:	288202
Ion Ratio	Lower	Upper	
180	100		
182	95.5	48.5	145.6
145	29.6	14.9	44.9

