

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091818\
 Data File : VX004693.D
 Acq On : 19 Sep 2018 07:49
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 6:56:58 PM

Quant Time: Sep 19 12:45:11 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	258546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	330072	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	307792	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	222942	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	155846	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	
35) Dibromofluoromethane	5.50	113	143917	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
50) Toluene-d8	8.71	98	466649	46.07	ug/l	0.00
Spiked Amount			Recovery	=	92.14%	
62) 4-Bromofluorobenzene	11.14	95	174836	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	123185	50.84	ug/l	96
3) Chloromethane	1.32	50	162879	48.84	ug/l	92
4) Vinyl Chloride	1.40	62	171920	50.23	ug/l	98
5) Bromomethane	1.64	94	71313	49.76	ug/l	97
6) Chloroethane	1.71	64	110129	49.76	ug/l	96
7) Trichlorofluoromethane	1.93	101	227754	50.20	ug/l	97
8) Diethyl Ether	2.18	74	105889	52.06	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	145784	50.65	ug/l	97
10) Methyl Iodide	2.51	142	161572	47.22	ug/l	97
11) Tert butyl alcohol	3.07	59	204197	256.70	ug/l	99
12) 1,1-Dichloroethene	2.37	96	148720	55.05	ug/l	90
13) Acrolein	2.29	56	61232	195.00	ug/l	98
14) Allyl chloride	2.73	41	272798	49.12	ug/l	92
15) Acrylonitrile	3.15	53	483821	252.57	ug/l	97
16) Acetone	2.45	43	359860	221.17	ug/l	93
17) Carbon Disulfide	2.57	76	358798	45.95	ug/l	97
18) Methyl Acetate	2.78	43	246617	54.02	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	513102	54.13	ug/l	93
20) Methylene Chloride	2.85	84	172455	51.67	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	152514	51.09	ug/l	91
22) Diisopropyl ether	3.87	45	509761	50.96	ug/l	95
23) Vinyl Acetate	3.82	43	2132303	263.41	ug/l	99
24) 1,1-Dichloroethane	3.70	63	299623	53.05	ug/l	98
25) 2-Butanone	4.70	43	607856	234.73	ug/l	100
26) 2,2-Dichloropropane	4.58	77	125560	32.37	ug/l	92
27) cis-1,2-Dichloroethene	4.59	96	181743	54.54	ug/l	95
28) Bromochloromethane	5.03	49	122995	47.61	ug/l	99
29) Tetrahydrofuran	5.15	42	406171	260.09	ug/l	98
30) Chloroform	5.21	83	281231	51.01	ug/l	92
31) Cyclohexane	5.57	56	251782	52.21	ug/l	88
32) 1,1,1-Trichloroethane	5.49	97	238917	53.80	ug/l	98
36) 1,1-Dichloropropene	5.79	75	212230	52.96	ug/l	99
37) Ethyl Acetate	4.85	43	225850	49.55	ug/l	99
38) Carbon Tetrachloride	5.78	117	198969	50.84	ug/l	97

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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)
39) Methylcyclohexane	7.46	83	210541	50.35	ug/l	98
40) Benzene	6.14	78	646813	54.40	ug/l	96
41) Methacrylonitrile	5.06	41	131427	52.34	ug/l	99
42) 1,2-Dichloroethane	6.20	62	204283	51.80	ug/l	100
43) Isopropyl Acetate	6.46	43	314205	51.91	ug/l	98
44) Trichloroethene	7.21	130	164767	53.34	ug/l	96
45) 1,2-Dichloropropane	7.52	63	148213	51.81	ug/l	98
46) Dibromomethane	7.66	93	95583	52.88	ug/l	99
47) Bromodichloromethane	7.90	83	177475	51.92	ug/l	100
48) Methyl methacrylate	7.77	41	156145	52.12	ug/l	97
49) 1,4-Dioxane	7.75	88	75559	1065.63	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	998521	233.74	ug/l	99
52) Toluene	8.79	92	350420	50.02	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	202264	50.66	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	207150	50.90	ug/l	94
55) 1,1,2-Trichloroethane	9.22	97	174349	57.80	ug/l	97
56) Ethyl methacrylate	9.18	69	260362	61.02	ug/l	96
57) 1,3-Dichloropropane	9.37	76	288451	58.86	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	513127	236.43	ug/l	97
59) 2-Hexanone	9.50	43	887940	270.99	ug/l	98
60) Dibromochloromethane	9.59	129	163516	57.58	ug/l	99
61) 1,2-Dibromoethane	9.67	107	159228	55.26	ug/l	92
64) Tetrachloroethene	9.34	164	241744	62.91	ug/l	93
65) Chlorobenzene	10.14	112	398071	52.07	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	142730	54.14	ug/l	100
67) Ethyl Benzene	10.25	91	668173	53.75	ug/l	98
68) m/p-Xylenes	10.36	106	527954	110.25	ug/l	99
69) o-Xylene	10.70	106	257751	55.99	ug/l	100
70) Styrene	10.71	104	436433	57.22	ug/l	99
71) Bromoform	10.86	173	119020	54.98	ug/l	99
73) Isopropylbenzene	11.02	105	685820	46.71	ug/l	100
74) N-amyl acetate	10.90	43	280872	45.45	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	202962	42.85	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	197459m	44.02	ug/l	
77) Bromobenzene	11.26	156	185882	45.80	ug/l	99
78) n-propylbenzene	11.36	91	774946	45.90	ug/l	99
79) 2-Chlorotoluene	11.42	91	461400	45.06	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	602220	48.79	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	56285	40.00	ug/l	93
82) 4-Chlorotoluene	11.51	91	558634	46.75	ug/l	98
83) tert-Butylbenzene	11.77	119	678009	57.70	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	729120	57.86	ug/l	99
85) sec-Butylbenzene	11.95	105	849139	56.70	ug/l	98
86) p-Isopropyltoluene	12.07	119	797162	60.28	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	418779	55.31	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	427199	54.60	ug/l	99
89) n-Butylbenzene	12.39	91	606753	50.35	ug/l	99
90) Hexachloroethane	12.60	117	114479	54.08	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	385668	50.32	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	55777	55.16	ug/l	95

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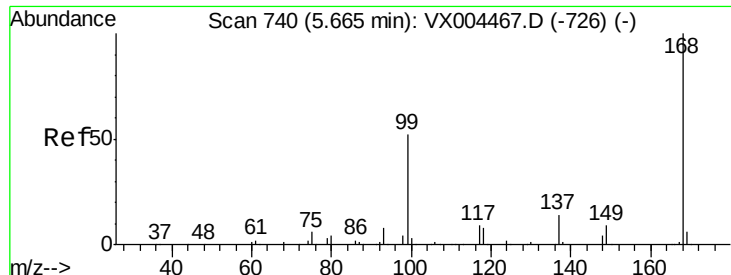
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	324206	59.74	ug/l	98
94) Hexachlorobutadiene	13.79	225	149058	52.59	ug/l	94
95) Naphthalene	13.83	128	953008	62.61	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	325122	58.32	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Tot Ion: 168 Resp: 258546

Ion Ratio Lower Upper

168 100

99 42.5 39.9 59.9

Instrument :

MSVOA_X

ClientSampleId :

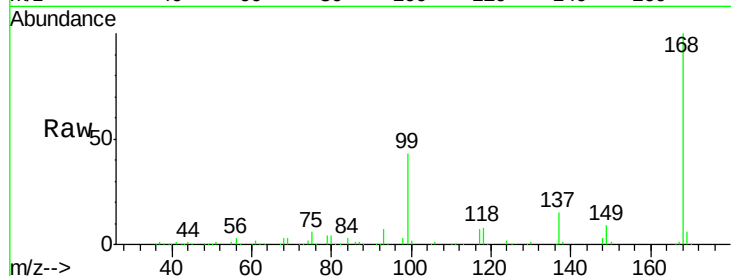
VSTDCCC050EC

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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

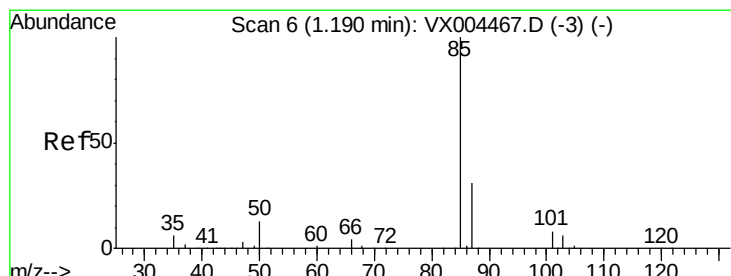
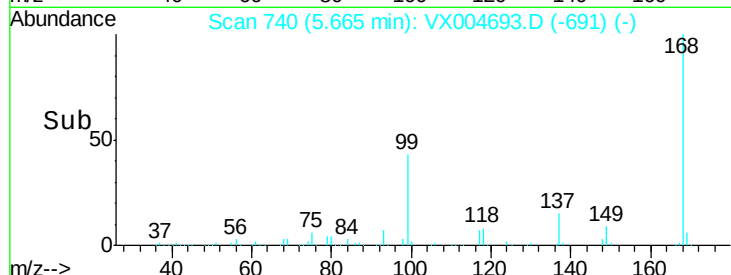
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: 50.84 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004693.D

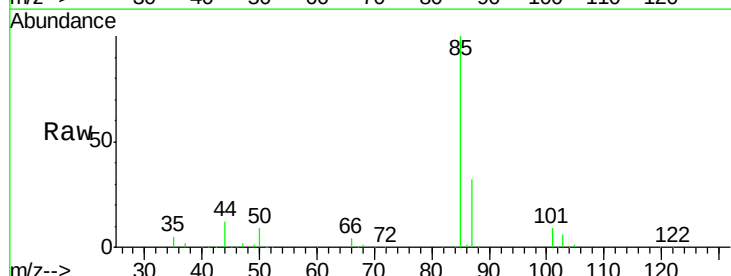
Acq: 19 Sep 2018 07:49

Tgt Ion: 85 Resp: 123185

Ion Ratio Lower Upper

85 100

87 31.8 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

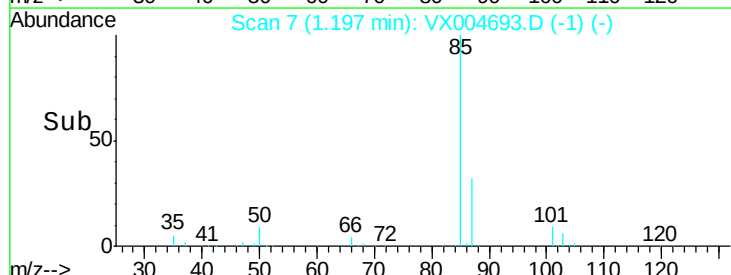
100000

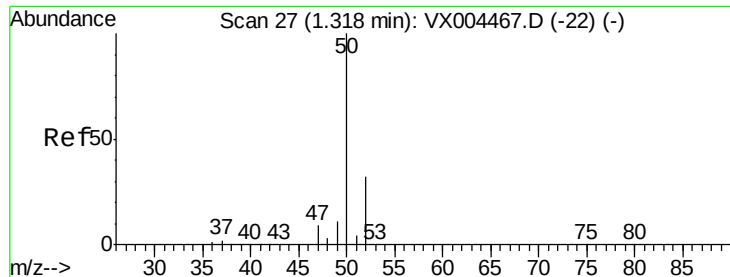
50000

0

Time-->

1.10 1.20 1.30





#3

Chloromethane

Concen: 48.84 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 162879

Ion Ratio Lower Upper

50 100

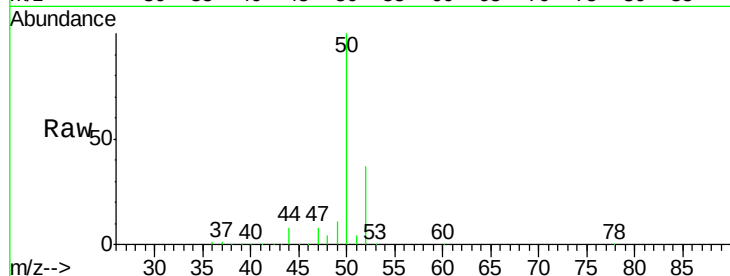
52 37.4 26.2 39.2

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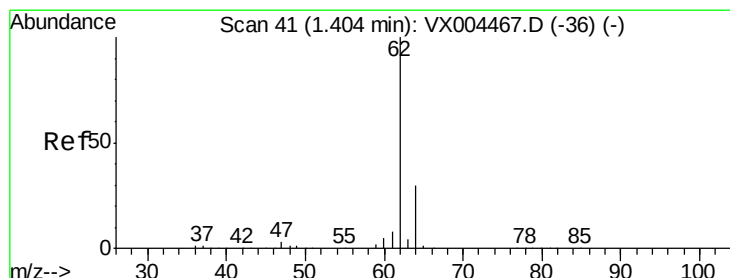
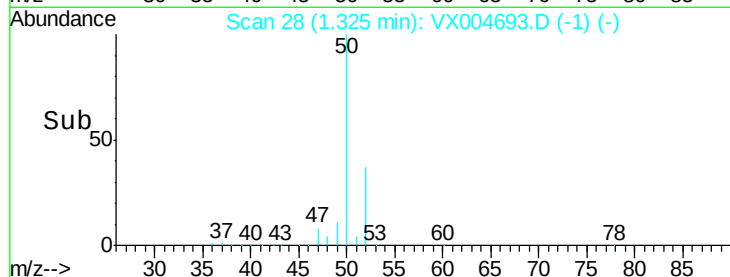
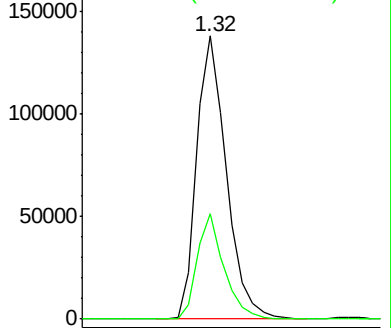
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 50.23 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004693.D

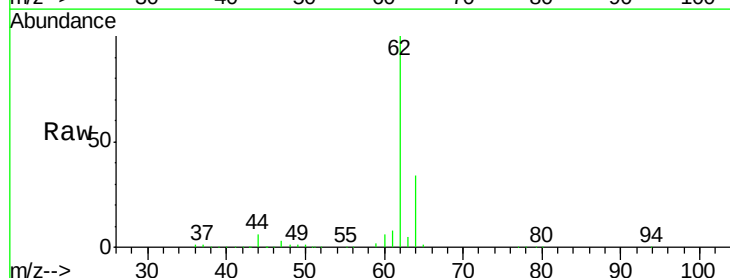
Acq: 19 Sep 2018 07:49

Tgt Ion: 62 Resp: 171920

Ion Ratio Lower Upper

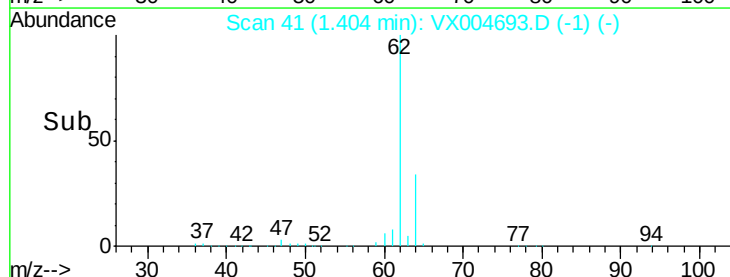
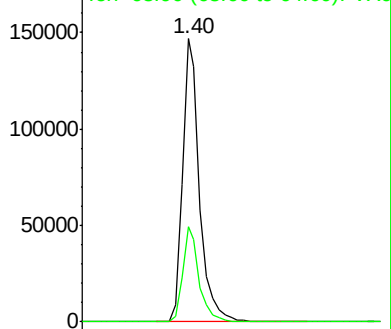
62 100

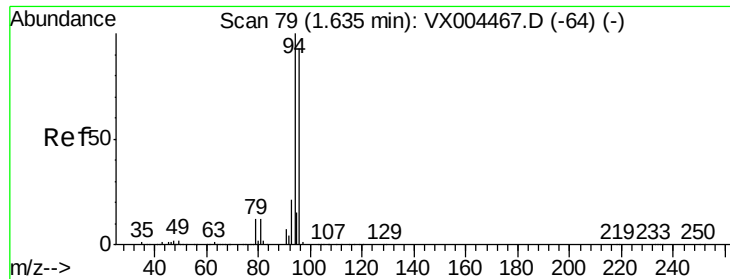
64 33.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 49.76 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Tot Ion: 94 Resp: 71313

Ion Ratio Lower Upper

94 100

96 96.2 74.5 111.7

Instrument :

MSVOA_X

ClientSampleId :

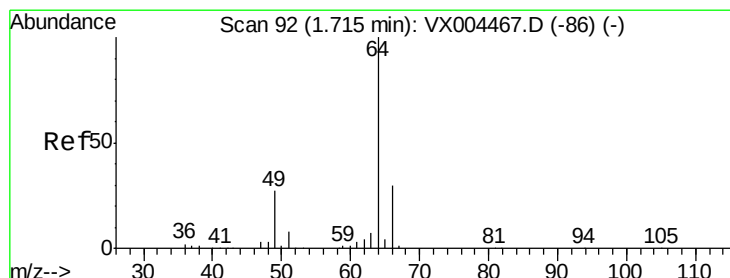
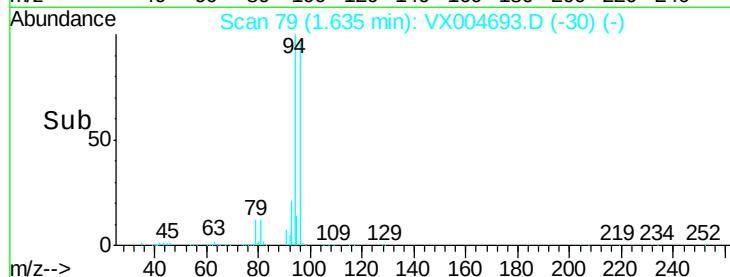
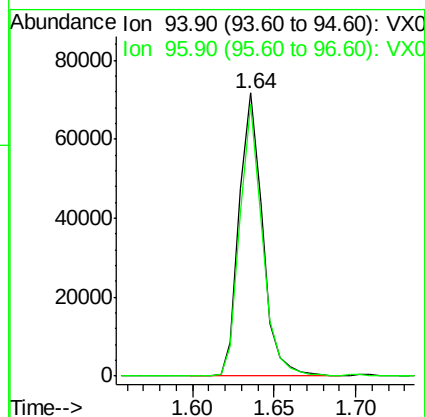
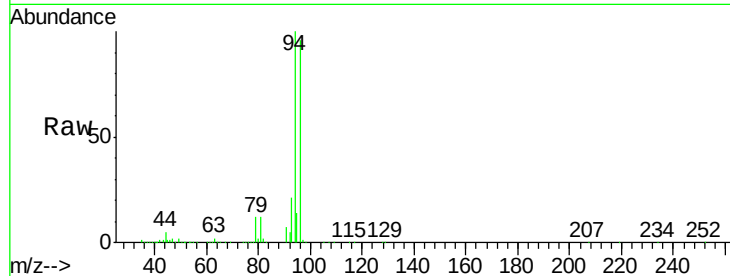
VSTDCCC050EC

Manual Integrations

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#6

Chloroethane

Concen: 49.76 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004693.D

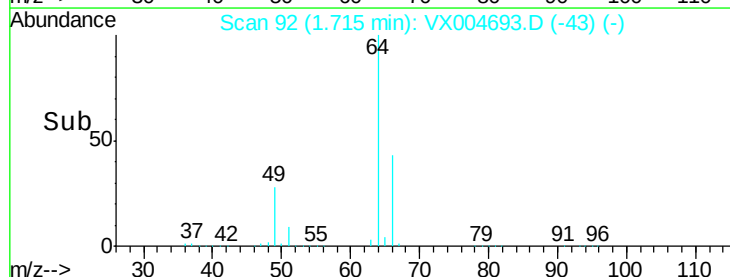
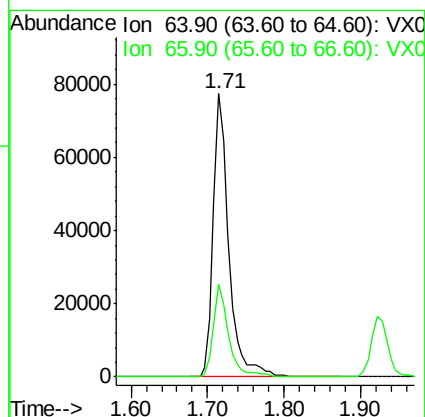
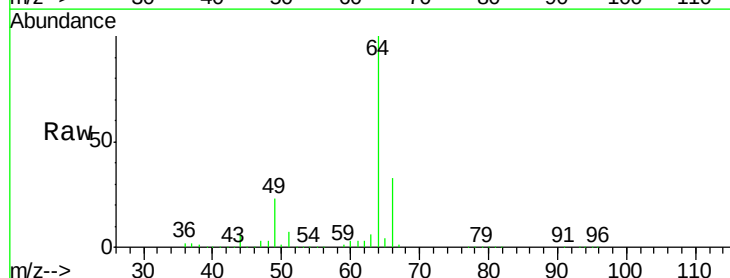
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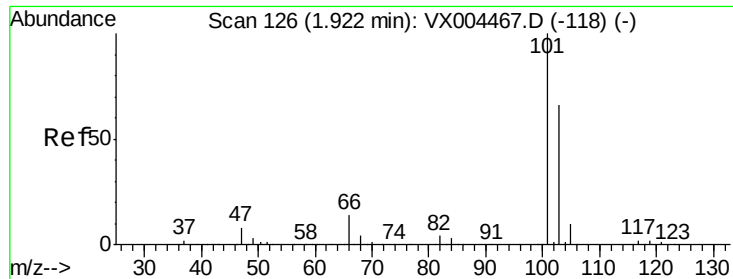
Tgt Ion: 64 Resp: 110129

Ion Ratio Lower Upper

64 100

66 32.8 24.6 36.8





#7

Trichlorofluoromethane

Concen: 50.20 ug/l

RT: 1.93 min Scan# 127

Delta R.T. 0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 227754

Ion Ratio Lower Upper

101 100

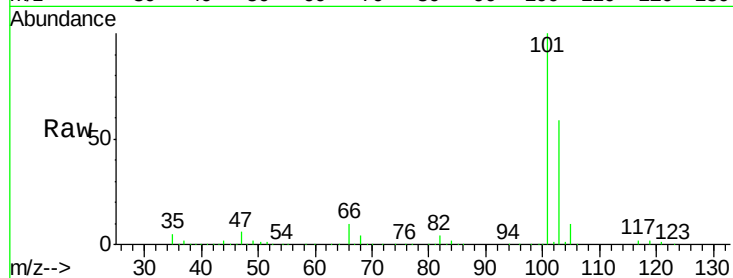
103 58.9 48.9 73.3

Manual Integrations

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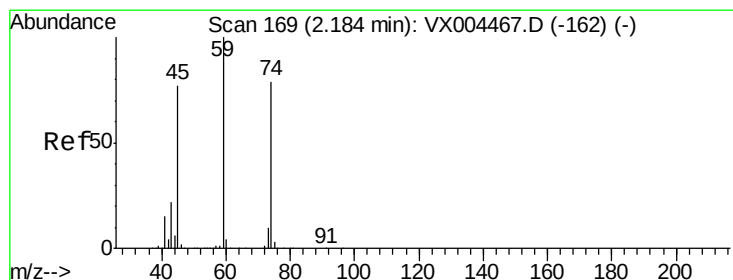
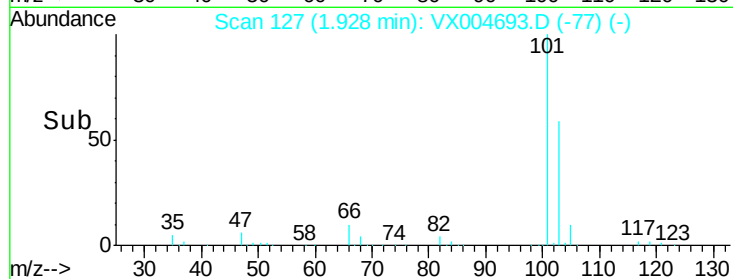
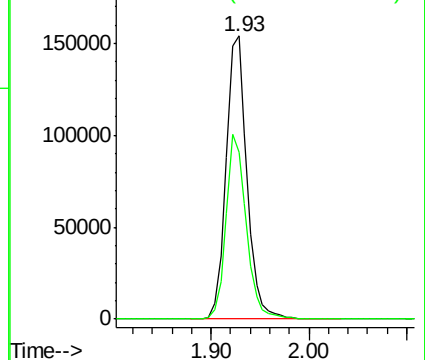
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 52.06 ug/l

RT: 2.18 min Scan# 169

Delta R.T. 0.00 min

Lab File: VX004693.D

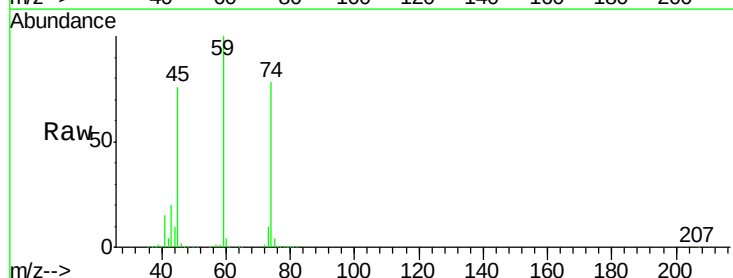
Acq: 19 Sep 2018 07:49

Tgt Ion: 74 Resp: 105889

Ion Ratio Lower Upper

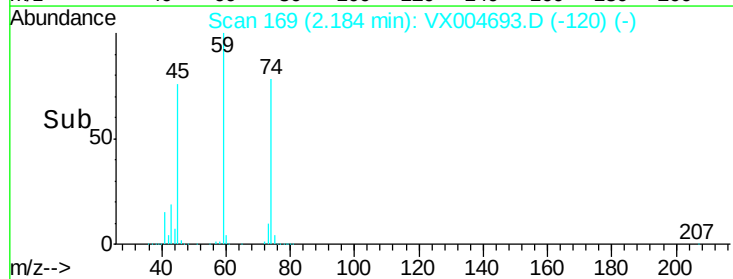
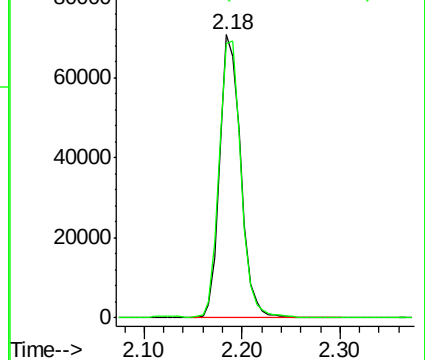
74 100

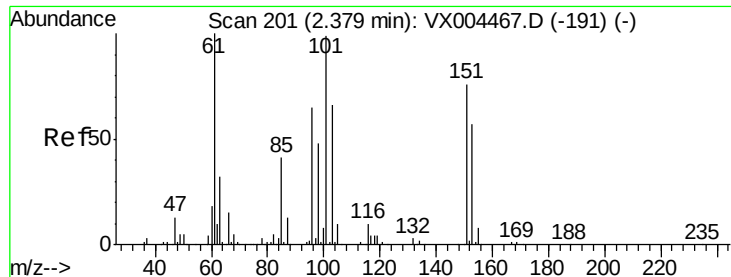
45 100.7 48.3 144.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.65 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

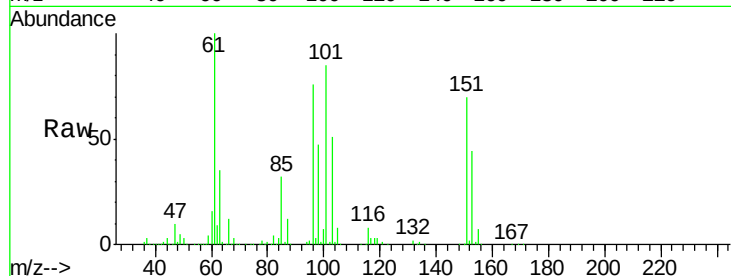
ClientSampleId :

VSTDCCC050EC

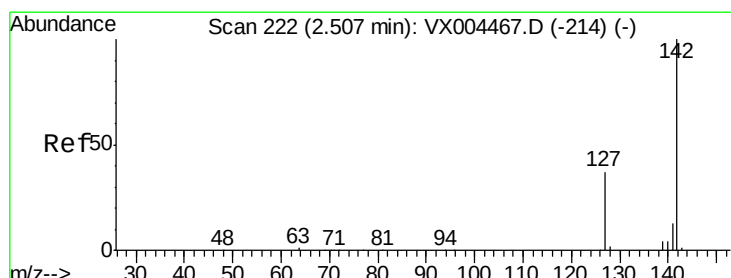
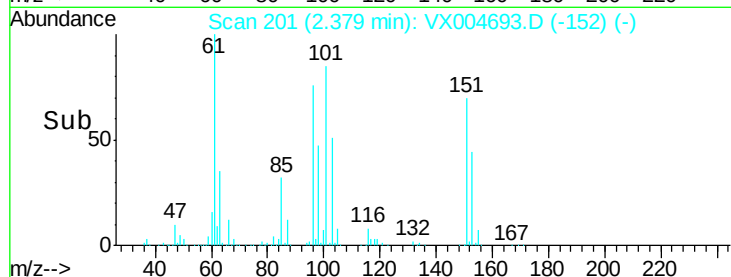
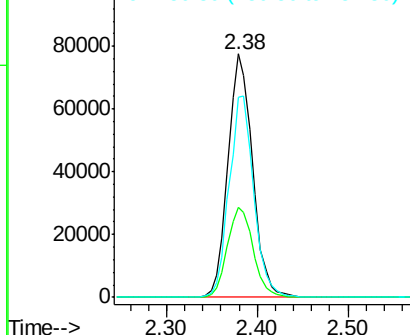
Tot Ion:	101	Resp:	145784
Ion Ratio	Lower	Upper	
101	100		
85	39.1	34.2	51.4
151	83.0	65.0	97.6

Manual Integrations
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9/19/2018 6:56:58 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.22 ug/l

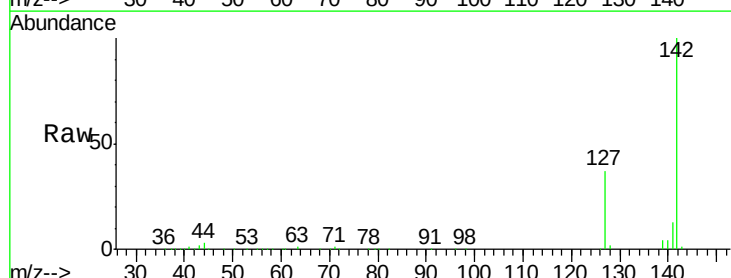
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

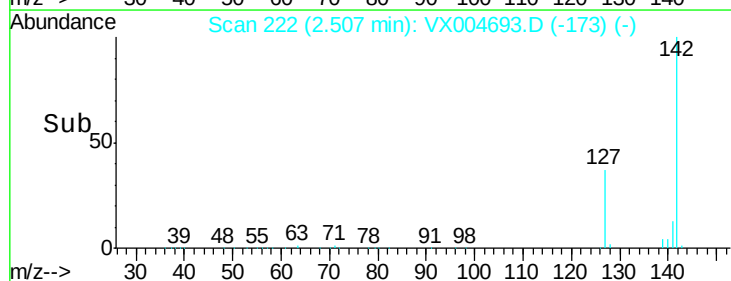
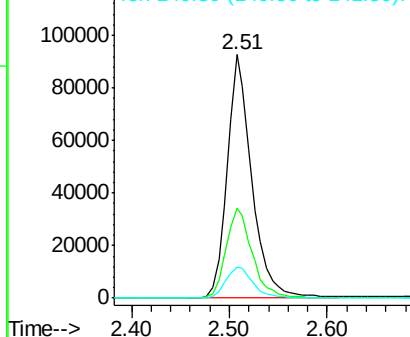
Lab File: VX004693.D

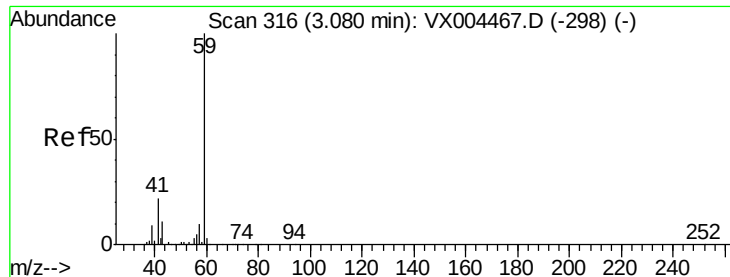
Acq: 19 Sep 2018 07:49

Tgt Ion:	142	Resp:	161572
Ion Ratio	Lower	Upper	
142	100		
127	39.5	33.8	50.6
141	14.1	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

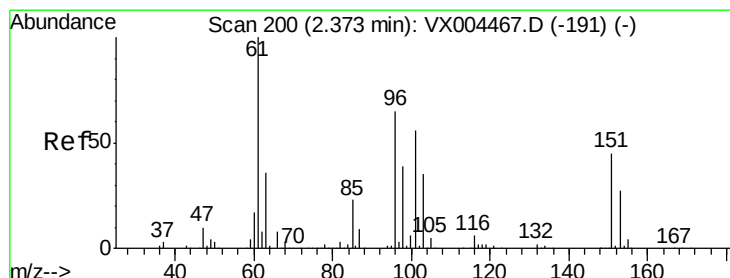
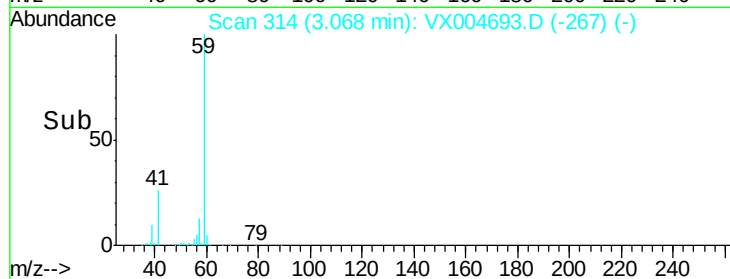
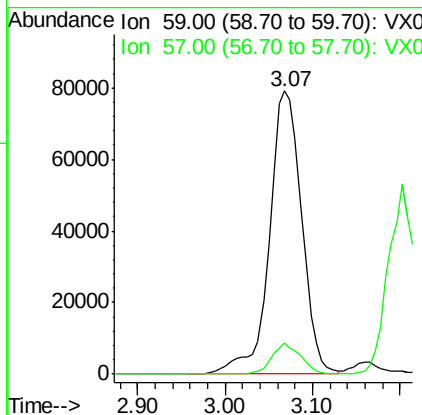
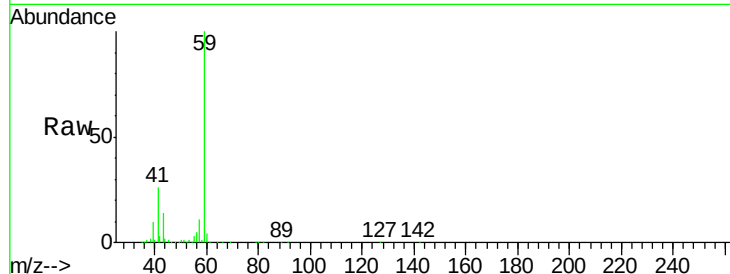
Tert butyl alcohol
Concen: 256.70 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.4

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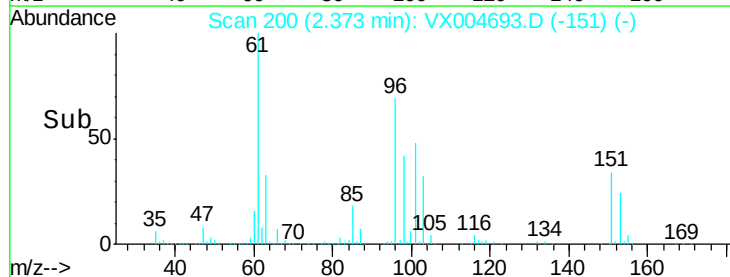
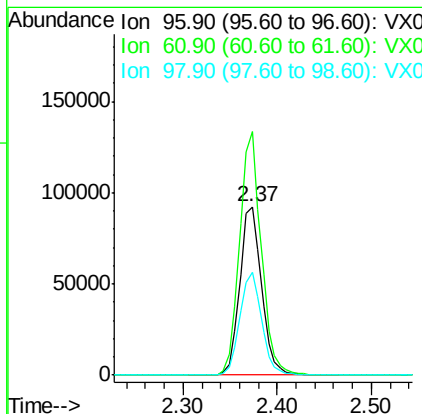
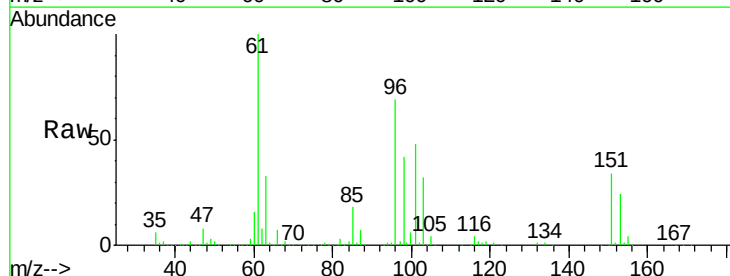
MMDadoda
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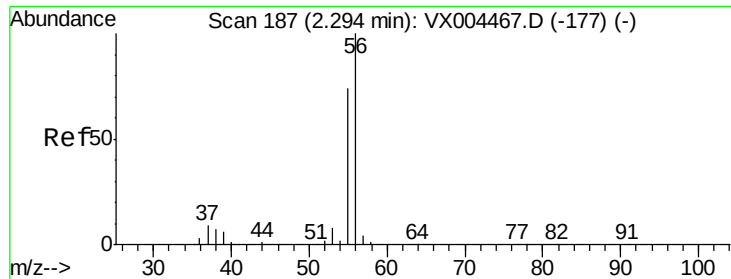


#12

1,1-Dichloroethene
Concen: 55.05 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.8	128.8	193.2
98	60.8	52.2	78.2





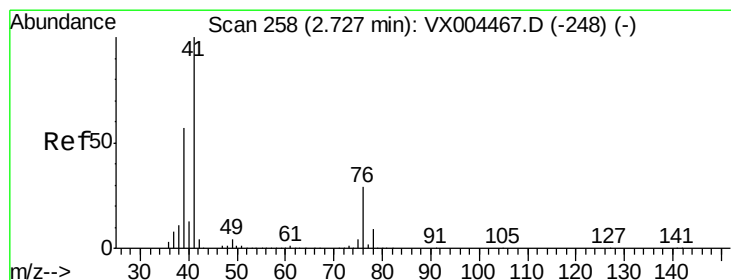
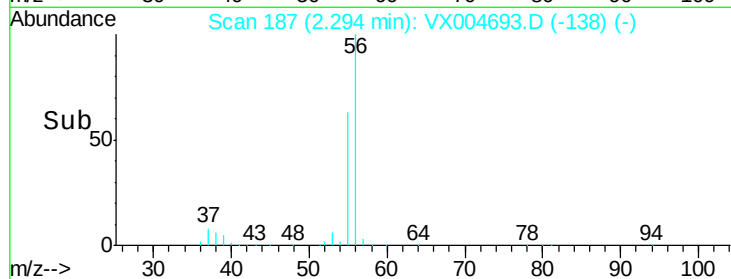
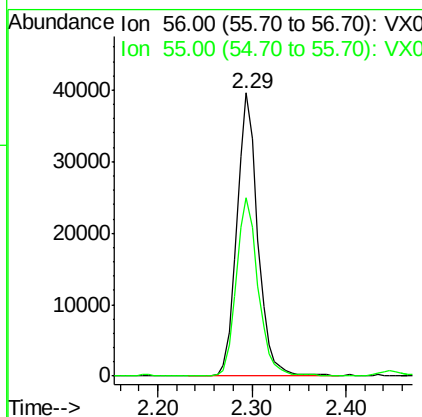
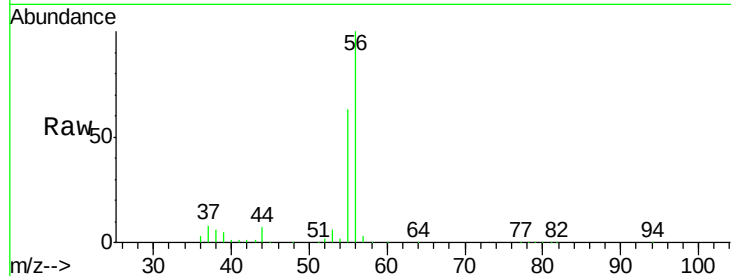
#13
Acrolein
Concen: 195.00 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	66.7	54.7	82.1

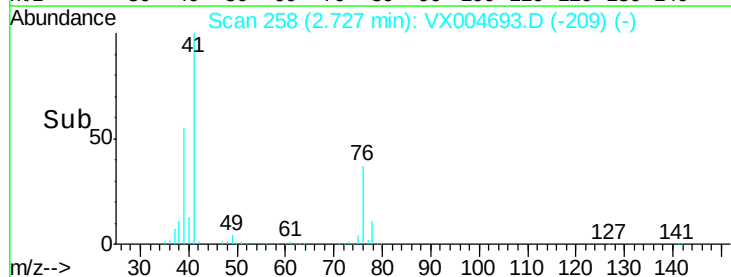
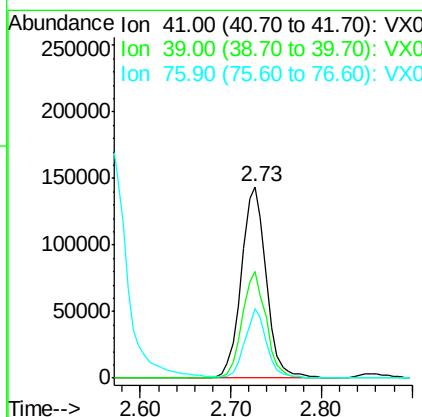
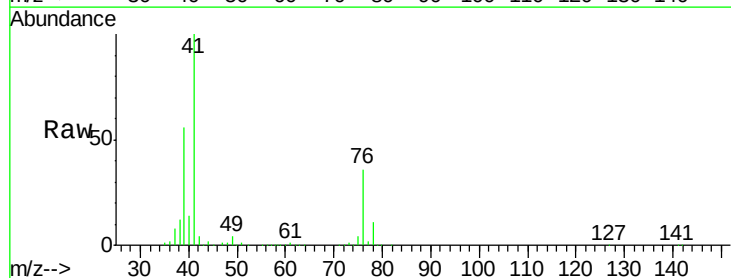
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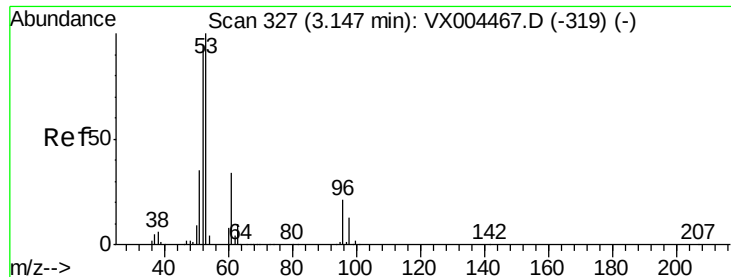
MMDadoda
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#14
Allyl chloride
Concen: 49.12 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Tgt Ion	Ratio	Lower	Upper
41	100		
39	53.3	48.9	73.3
76	31.4	26.7	40.1





#15

Acrylonitrile

Concen: 252.57 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

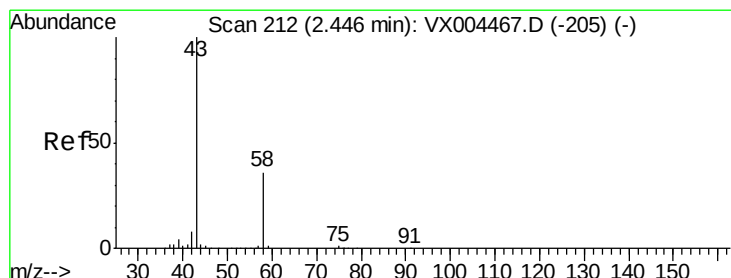
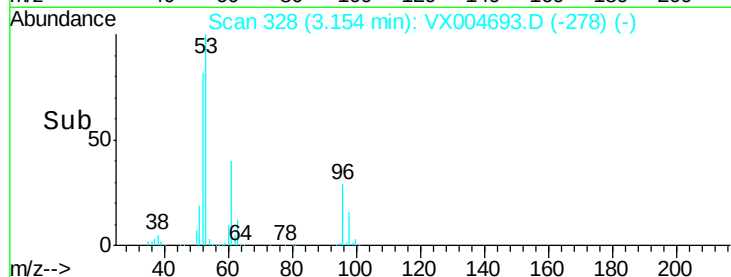
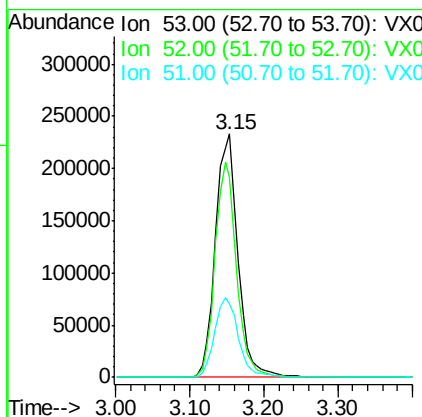
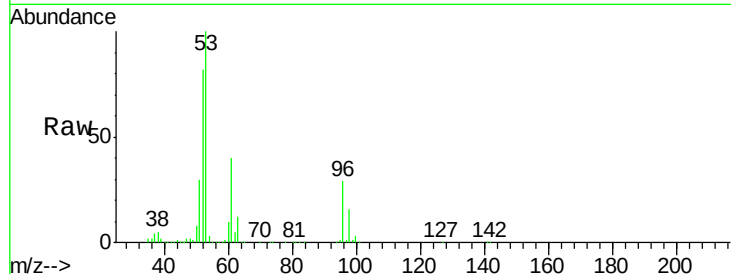
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	483821
Ion Ratio	Lower	Upper	
53	100		
52	84.5	65.2	97.8
51	34.7	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 221.17 ug/l

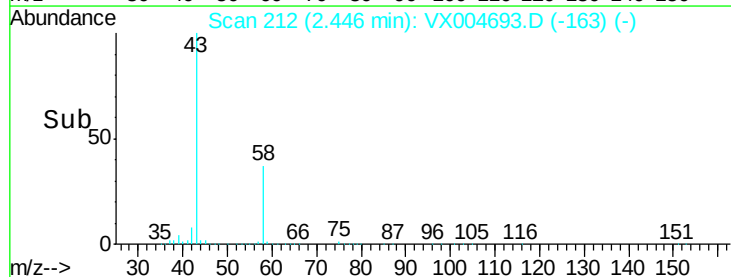
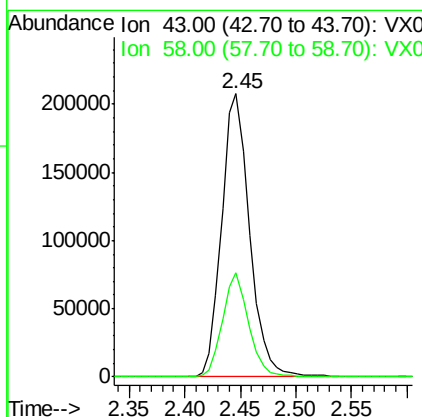
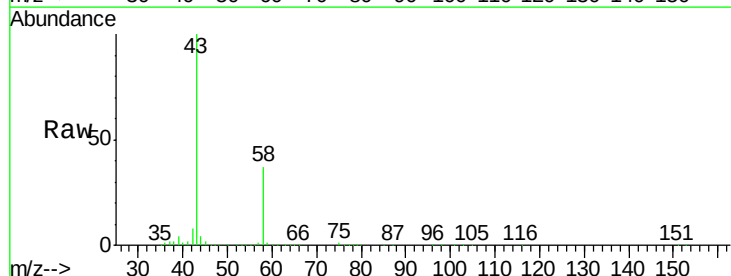
RT: 2.45 min Scan# 212

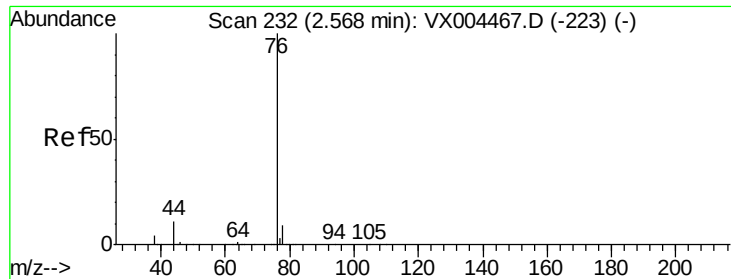
Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Tgt Ion:	43	Resp:	359860
Ion Ratio	Lower	Upper	
43	100		
58	36.9	26.2	39.4





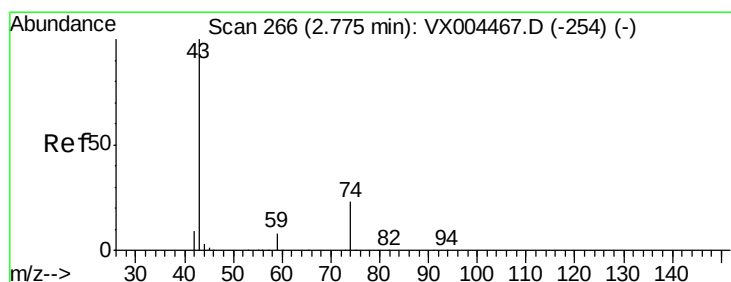
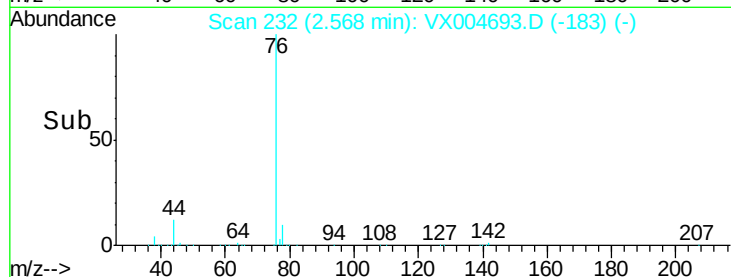
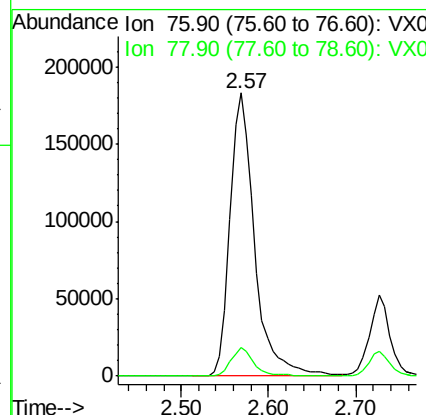
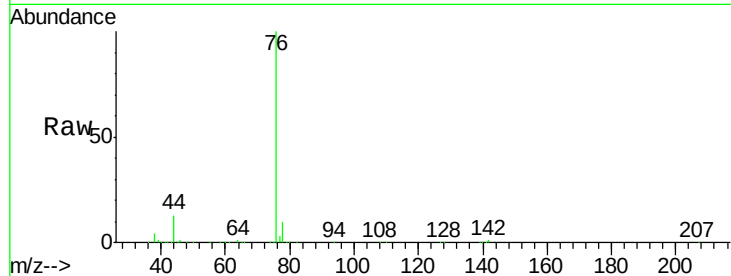
#17
Carbon Disulfide
Concen: 45.95 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.0	10.6

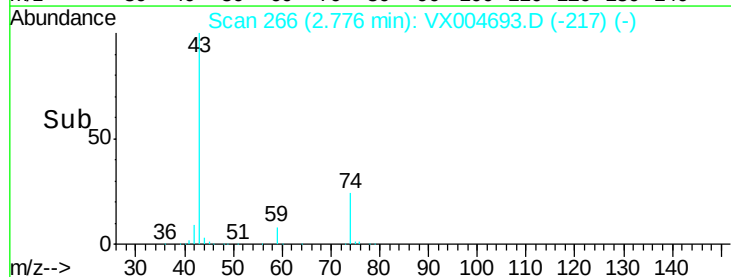
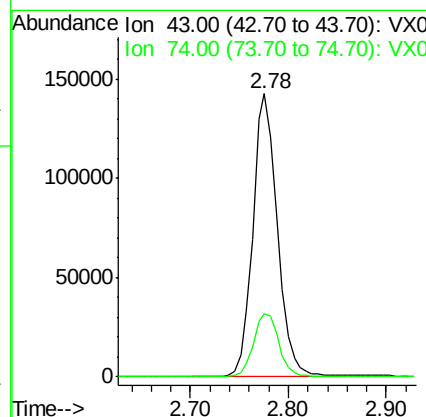
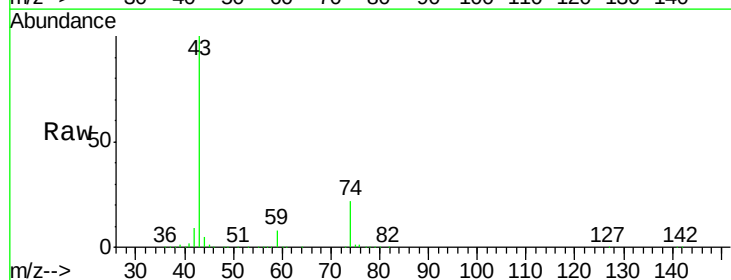
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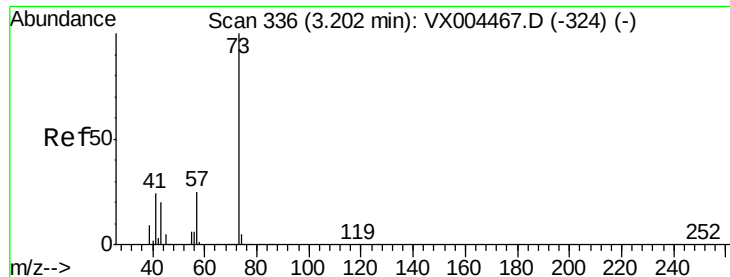
MMDadoda
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#18
Methyl Acetate
Concen: 54.02 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.4	29.2





#19

Methyl tert-butyl Ether

Concen: 54.13 ug/l

RT: 3.20 min Scan# 336

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Tot Ion: 73 Resp: 513102

Ion Ratio Lower Upper

73 100

57 24.7 17.1 25.7

Instrument :

MSVOA_X

ClientSampleId :

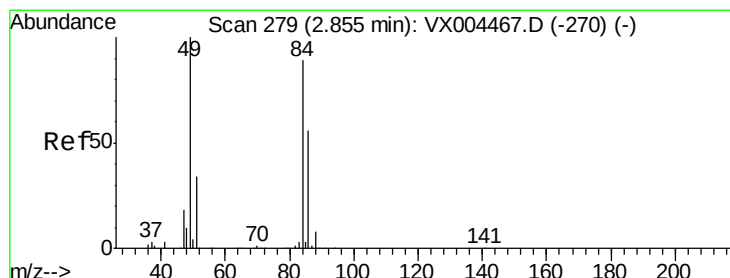
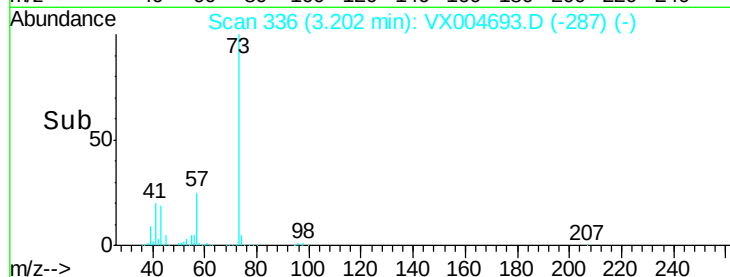
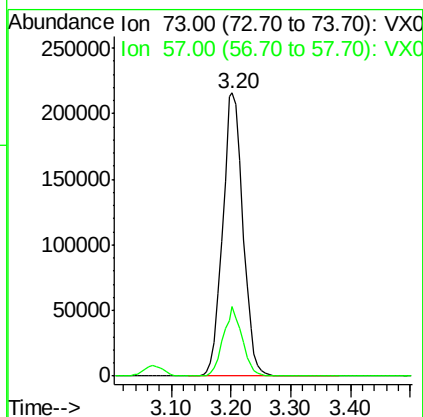
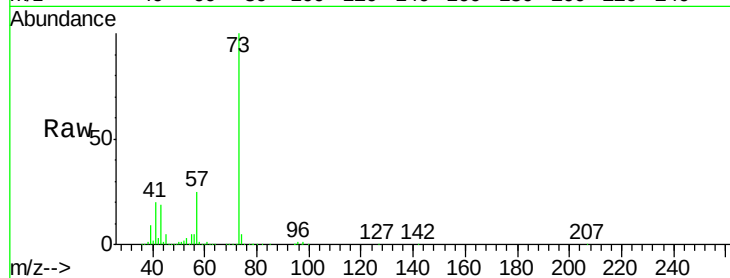
VSTDCCC050EC

Manual Integrations

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#20

Methylene Chloride

Concen: 51.67 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Tgt Ion: 84 Resp: 172455

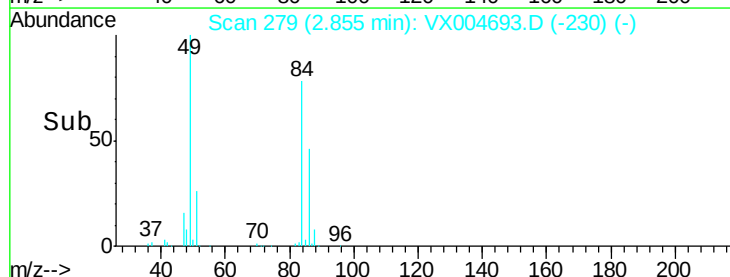
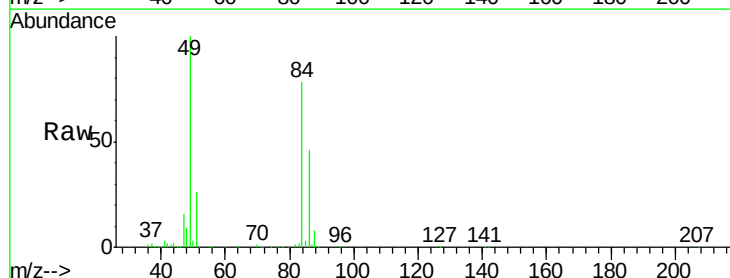
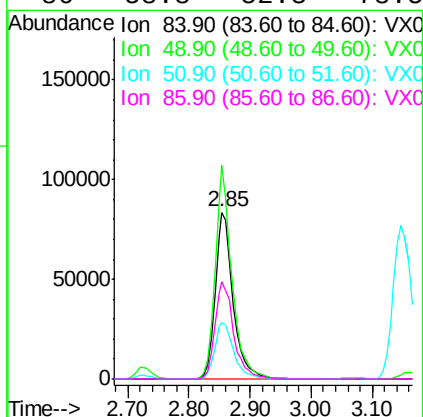
Ion Ratio Lower Upper

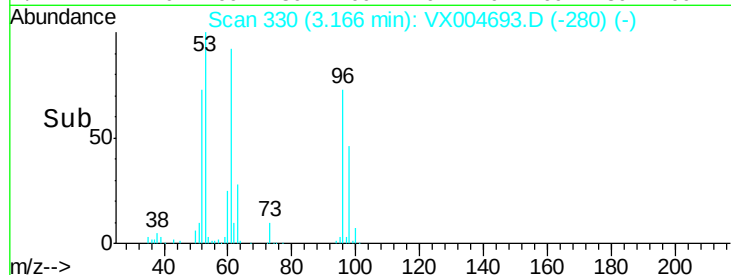
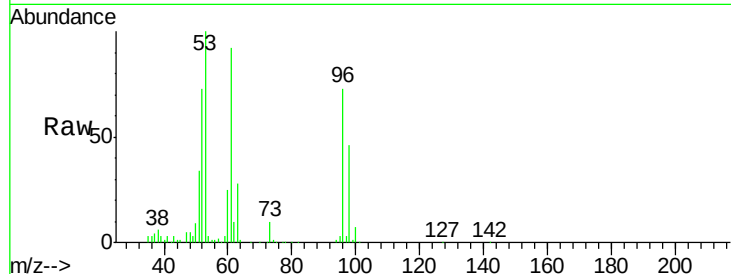
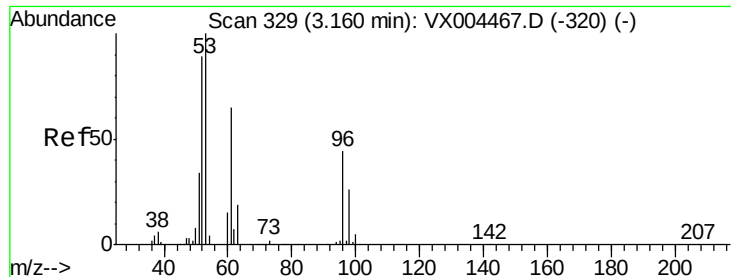
84 100

49 128.1 101.2 151.8

51 33.4 29.5 44.3

86 58.8 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 51.09 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004693.D

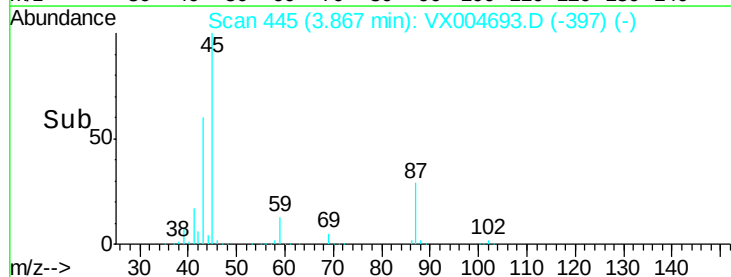
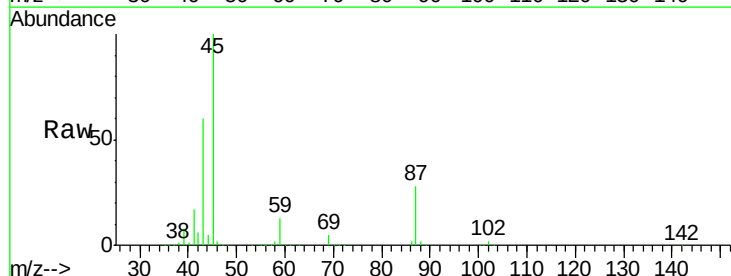
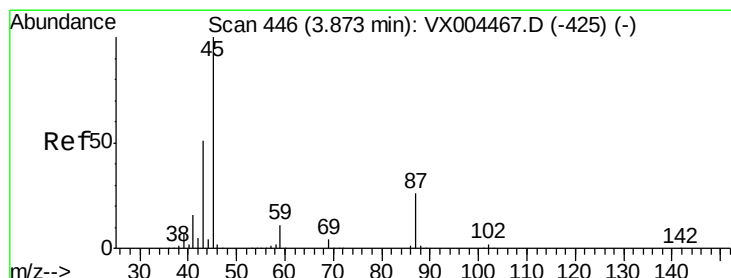
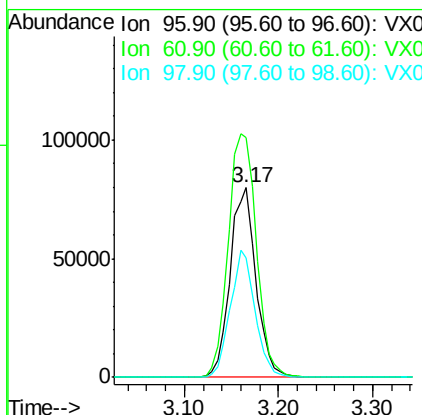
Acq: 19 Sep 2018 07:49

Tot Ion:	96	Resp:	152514
Ion	Ratio	Lower	Upper
96	100		
61	126.4	113.8	170.6
98	63.4	51.8	77.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.96 ug/l

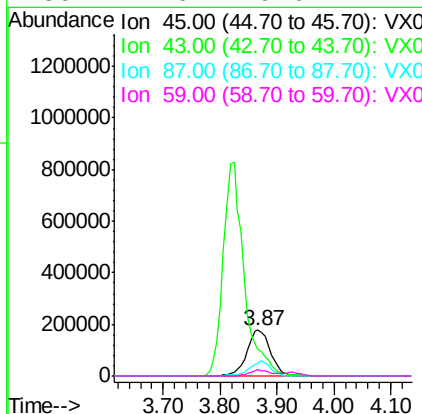
RT: 3.87 min Scan# 445

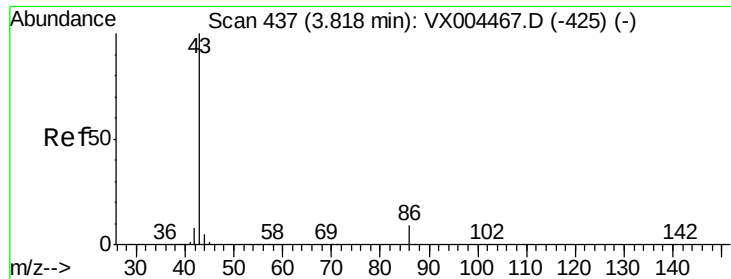
Delta R.T. -0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Tgt Ion:	45	Resp:	509761
Ion	Ratio	Lower	Upper
45	100		
43	59.6	42.8	64.2
87	28.5	22.6	34.0
59	12.6	9.6	14.4





#23

Vinyl Acetate

Concen: 263.41 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2132303

Ion Ratio Lower Upper

43 100

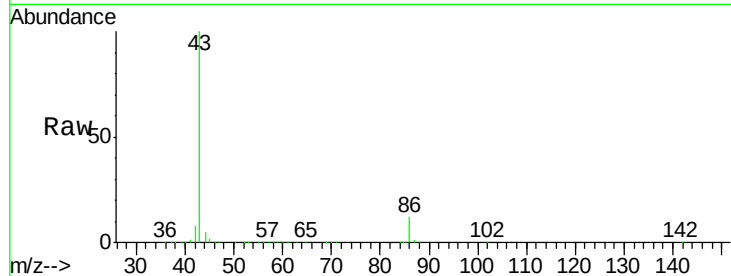
86 11.6 8.9 13.3

Manual Integrations

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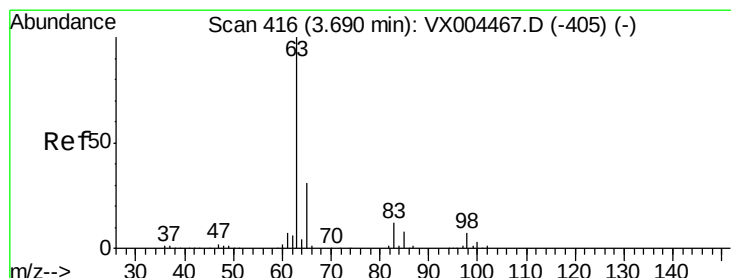
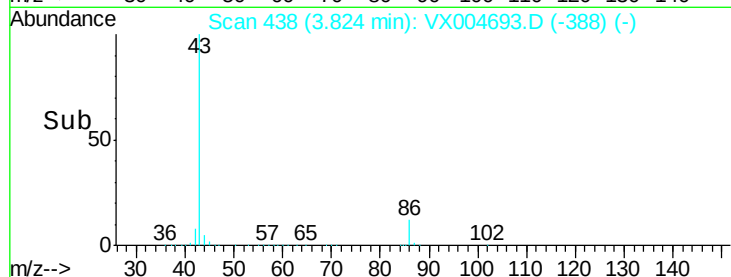
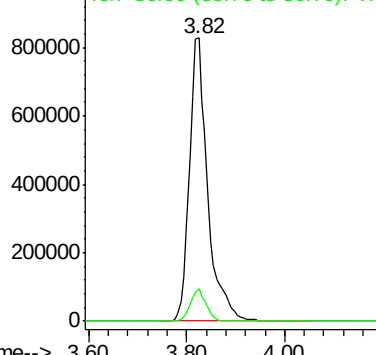
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 53.05 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

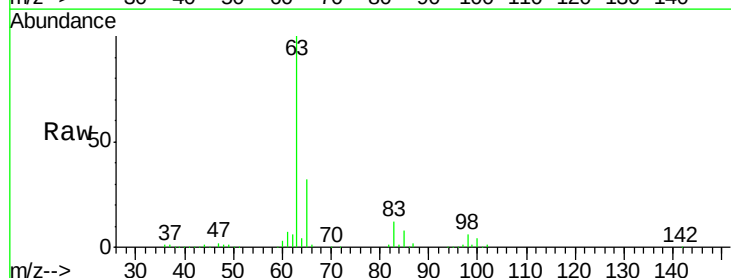
Tgt Ion: 63 Resp: 299623

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

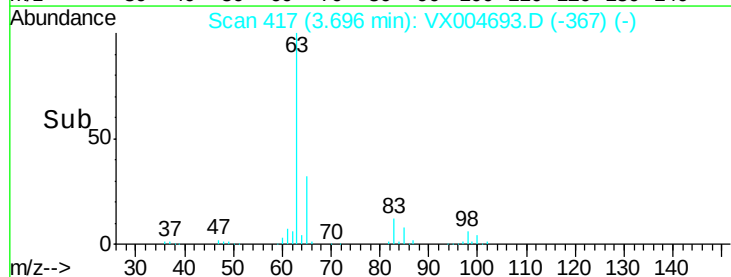
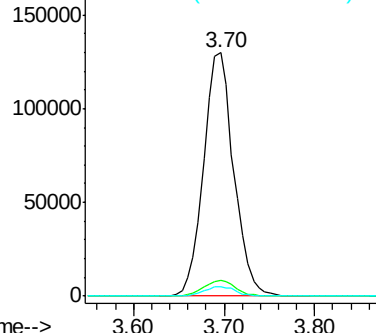
100 4.1 2.4 7.1

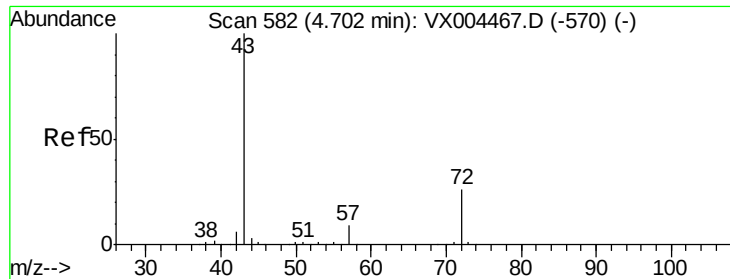


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 234.73 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 607856

Ion Ratio Lower Upper

43 100

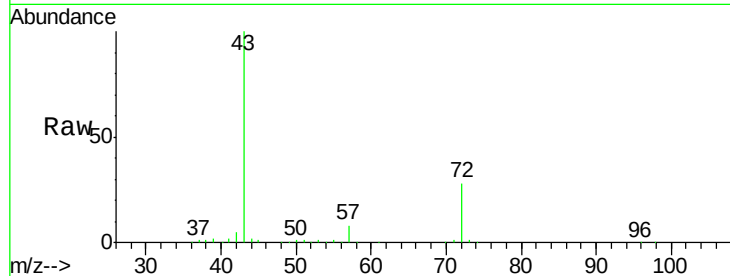
72 27.6 22.0 33.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

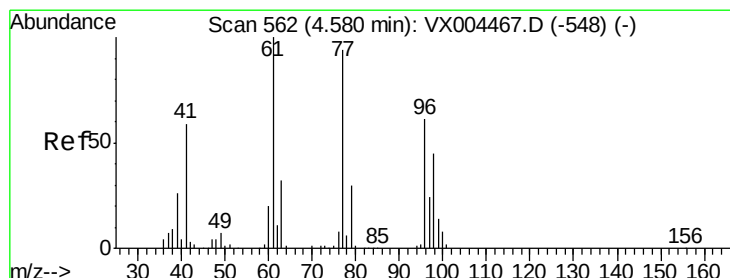
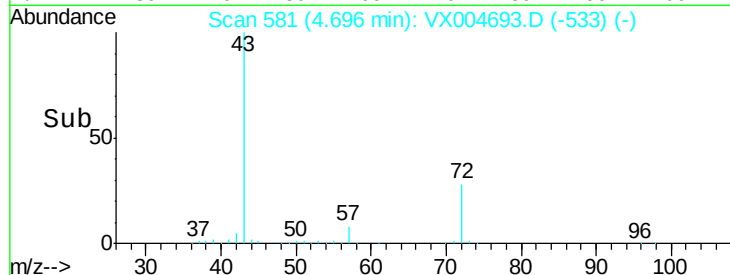
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 32.37 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004693.D

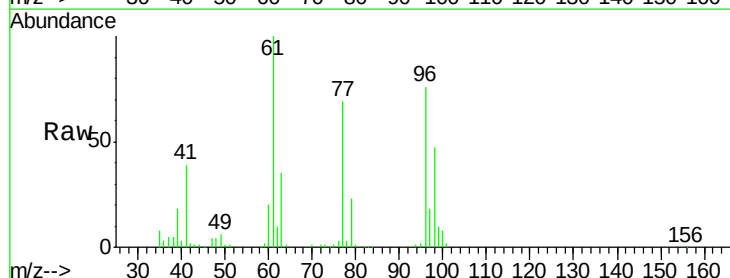
Acq: 19 Sep 2018 07:49

Tgt Ion: 77 Resp: 125560

Ion Ratio Lower Upper

77 100

97 27.4 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

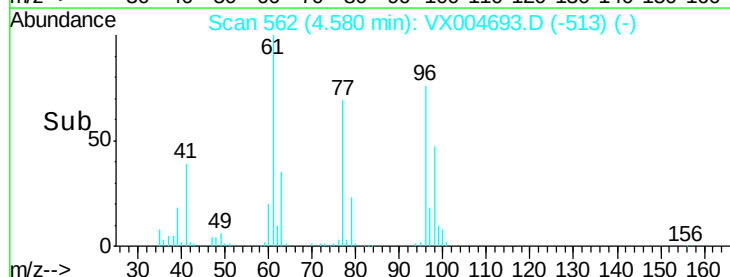
20000

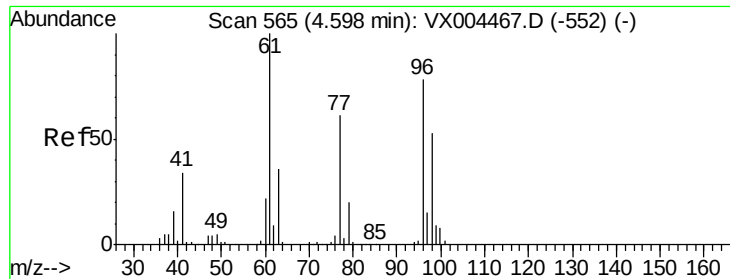
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

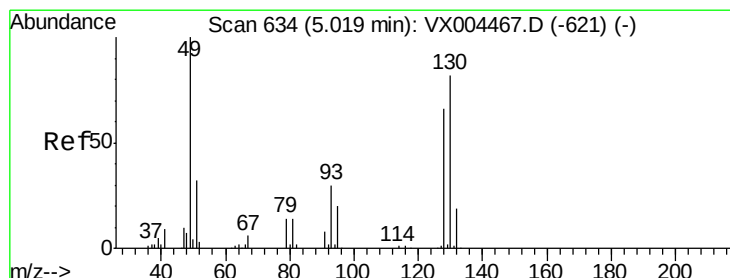
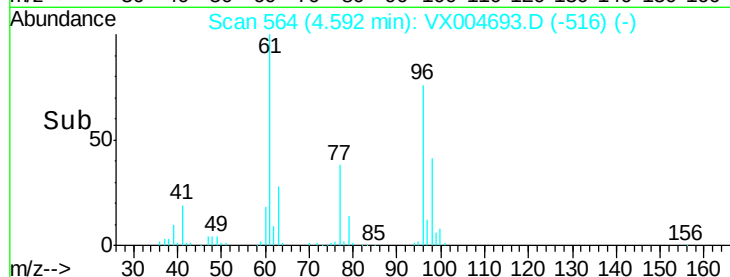
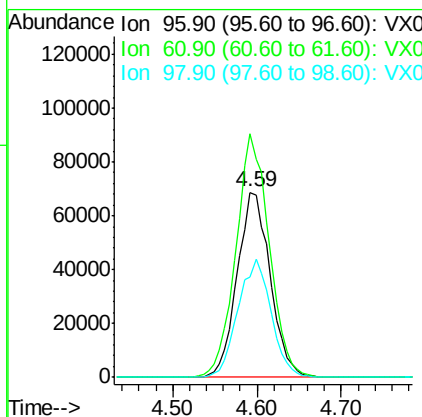
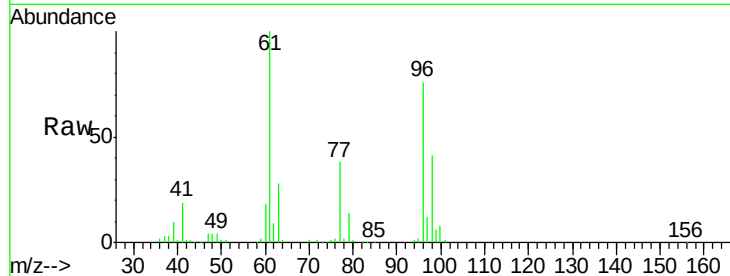
cis-1,2-Dichloroethene
 Concen: 54.54 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	181743		
61	132.8	0.0	282.6	
98	64.3	0.0	130.2	

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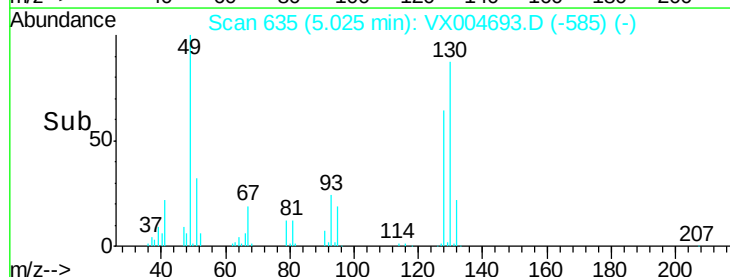
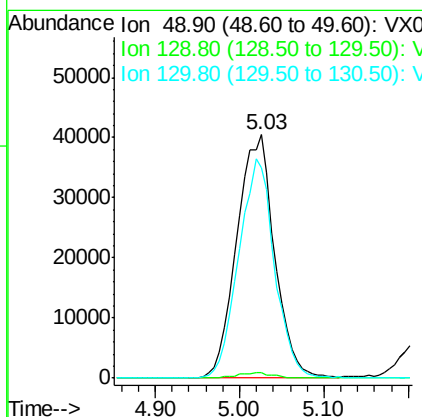
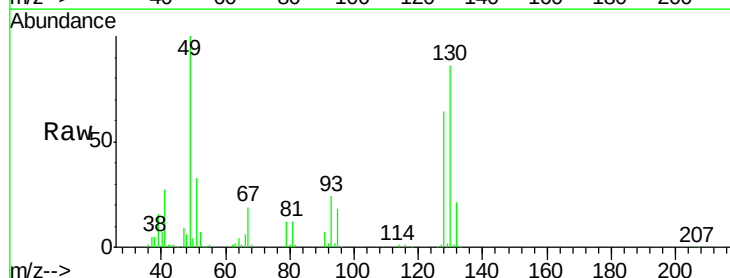
MMDadoda
 9/19/2018 6:56:58 PM

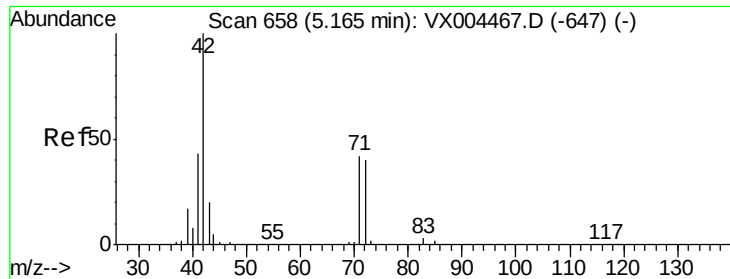


#28

Bromochloromethane
 Concen: 47.61 ug/l
 RT: 5.03 min Scan# 635
 Delta R.T. 0.01 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	122995		
129	2.1	0.0	4.2	
130	85.4	67.5	101.3	





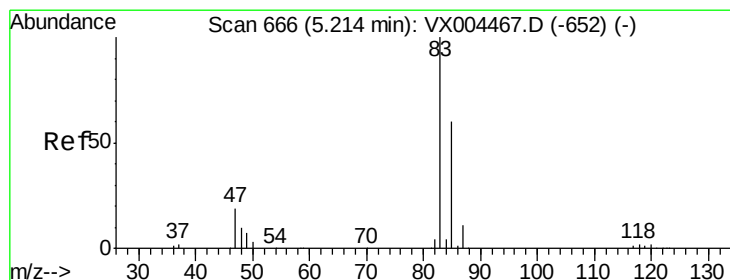
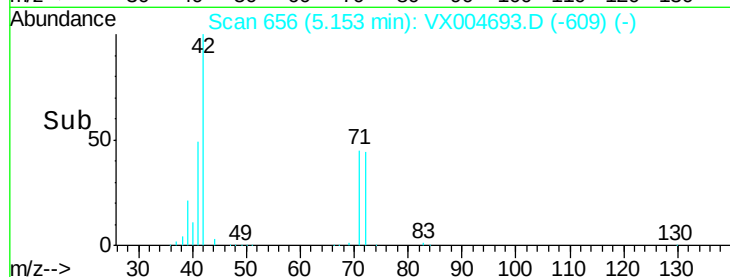
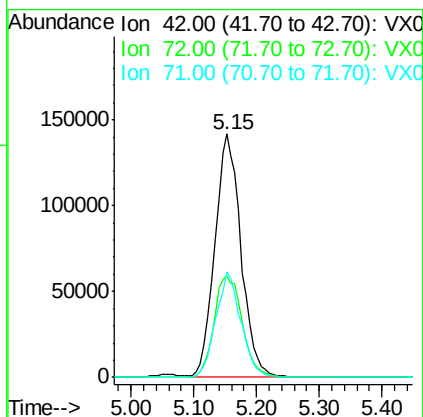
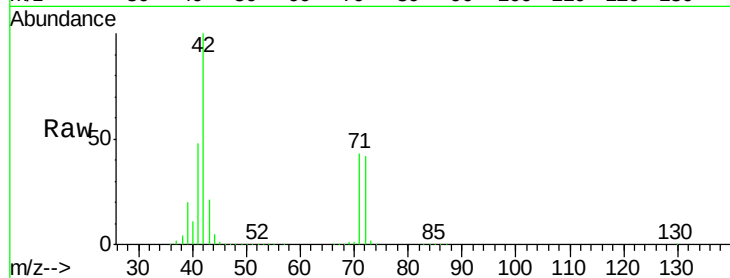
#29
Tetrahydrofuran
Concen: 260.09 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	37.4	56.0
71	42.1	34.5	51.7

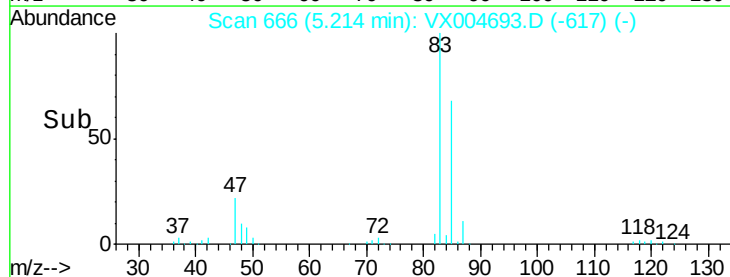
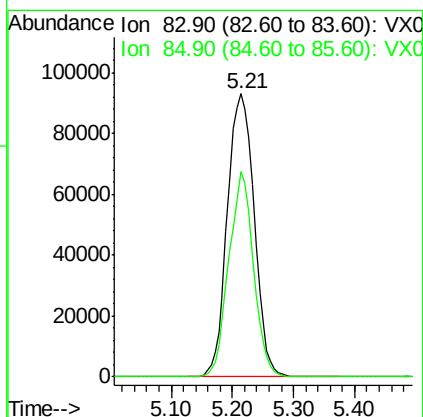
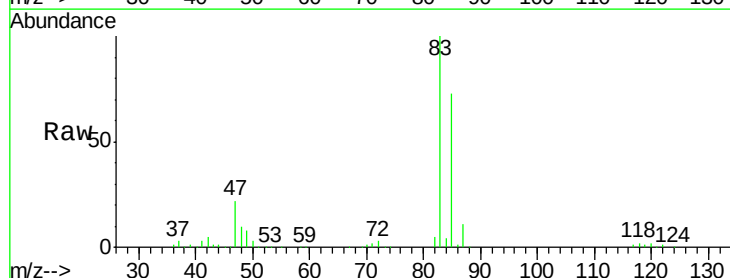
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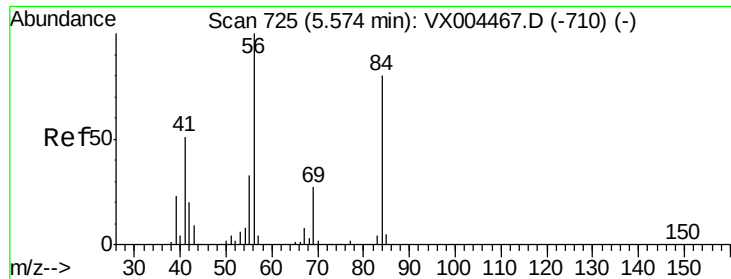
MMDadoda
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#30
Chloroform
Concen: 51.01 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	72.5	52.6	79.0





#31

Cyclohexane

Concen: 52.21 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

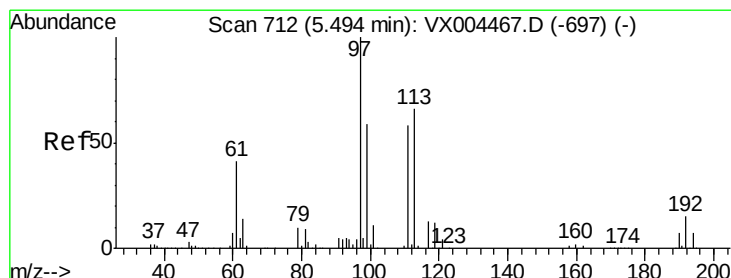
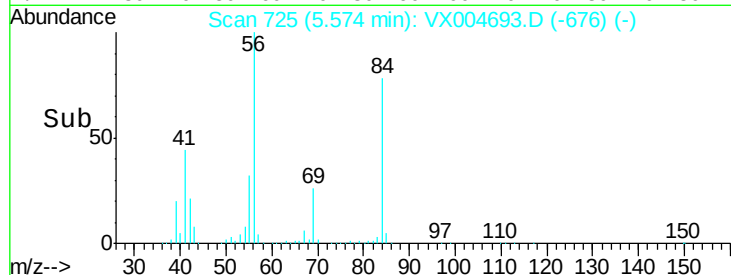
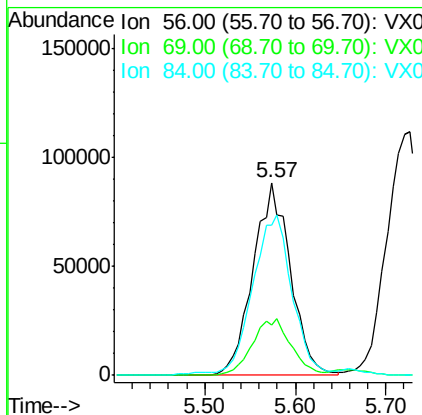
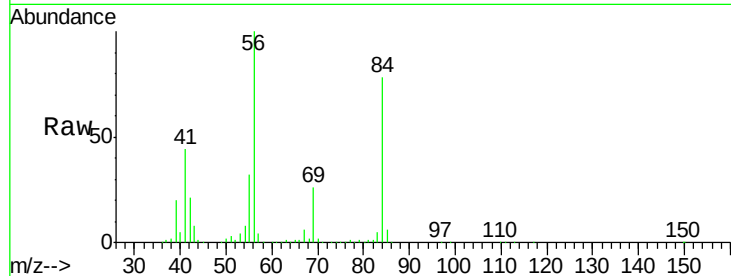
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	251782
Ion	Ratio	Lower	Upper
56	100		
69	26.0	25.4	38.2
84	77.0	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.80 ug/l

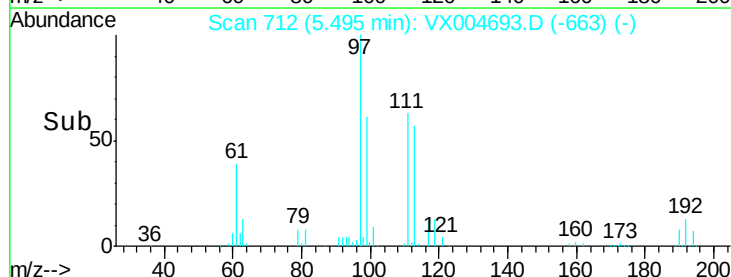
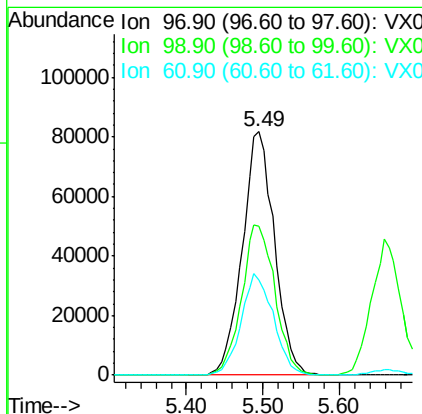
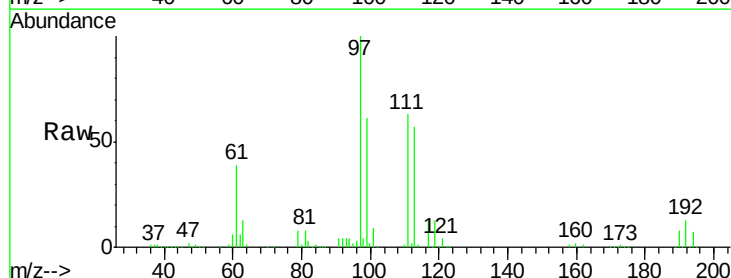
RT: 5.49 min Scan# 712

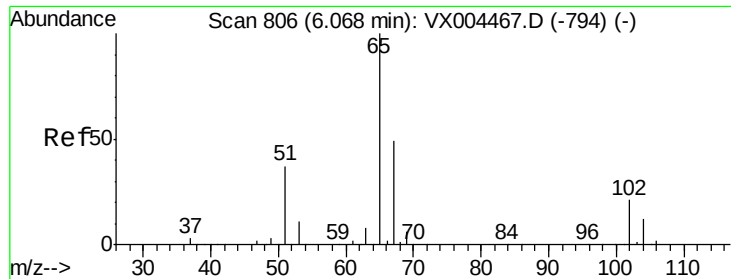
Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Tgt Ion:	97	Resp:	238917
Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.0	78.0
61	41.9	34.9	52.3





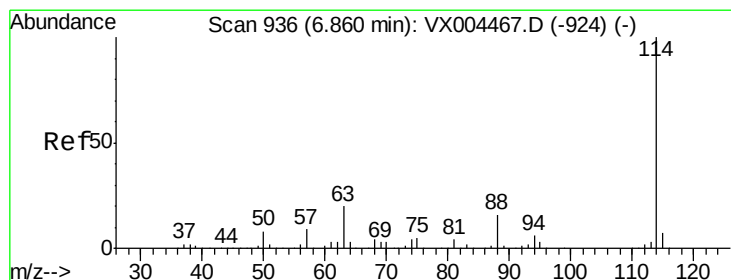
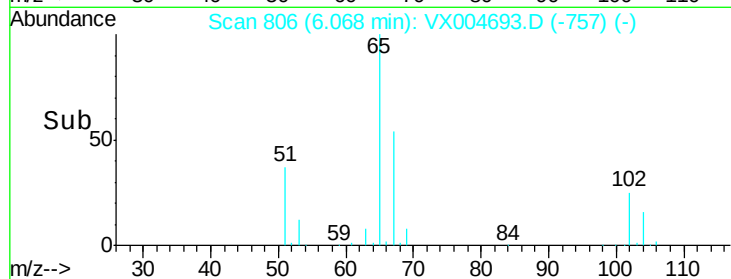
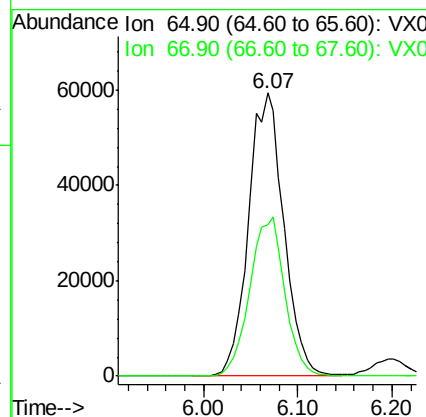
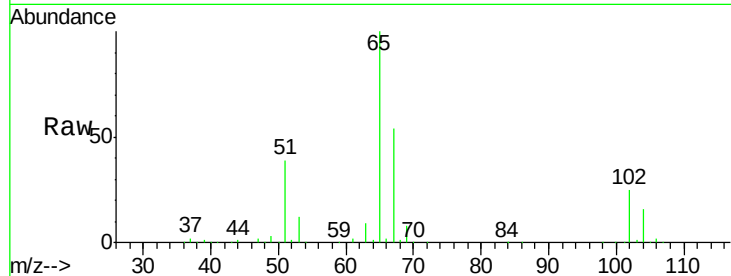
#33
 1,2-Dichloroethane-d4
 Concen: 46.75 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	155846		
67	55.9	0.0	106.8	

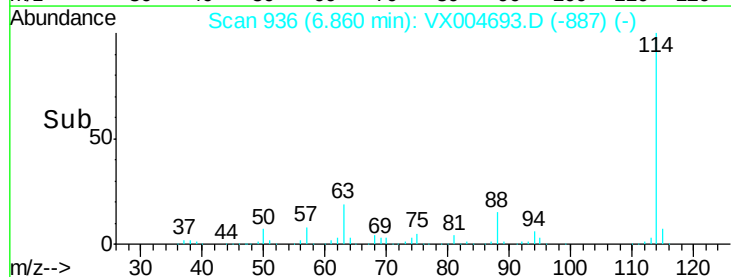
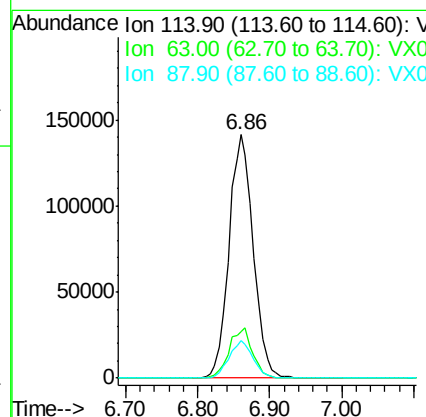
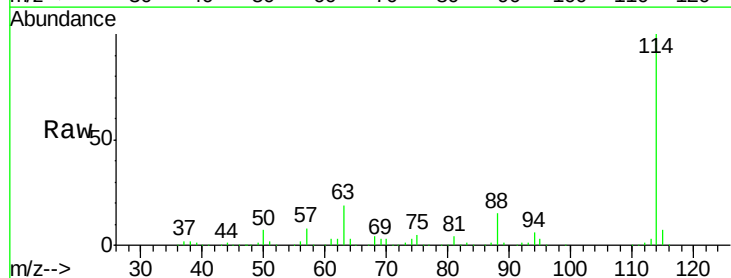
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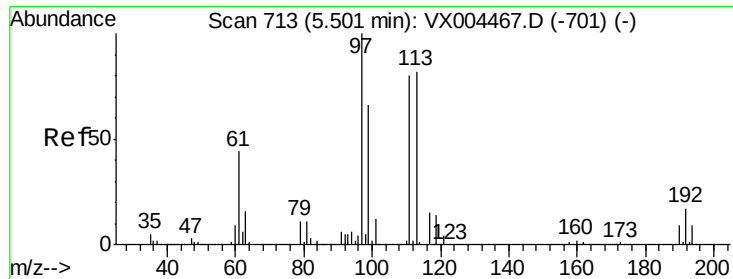
MMDadoda
 9/19/2018 6:56:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	330072		
63	19.3	0.0	39.0	
88	15.3	0.0	30.4	





#35

Dibromofluoromethane

Concen: 47.65 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

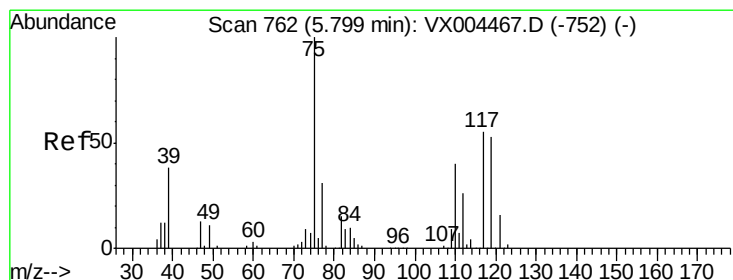
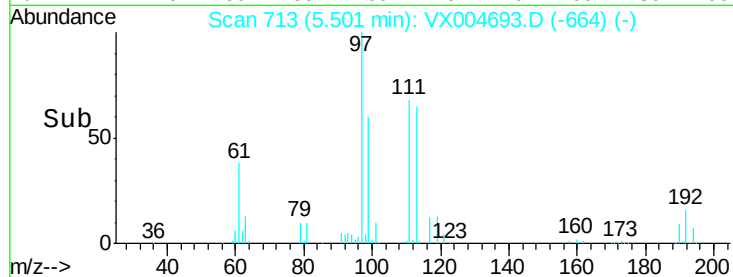
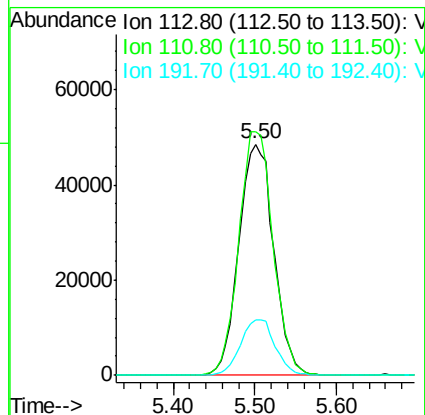
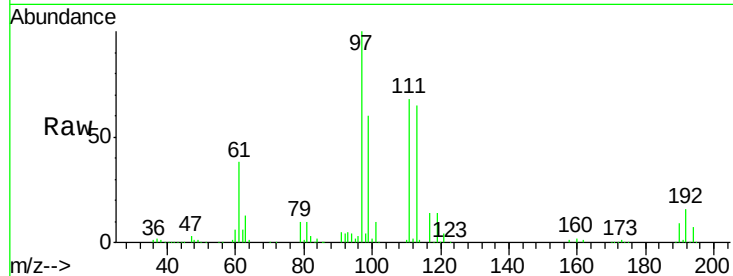
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	143917
Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.4	123.6
192	23.9	19.4	29.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 52.96 ug/l

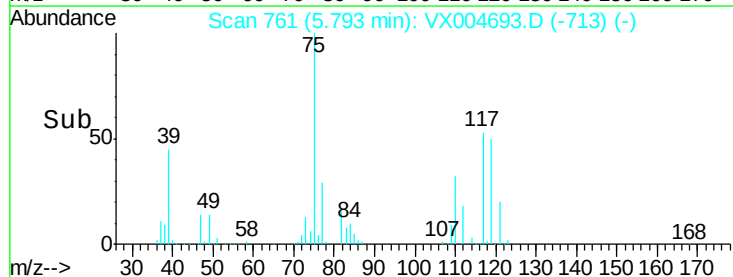
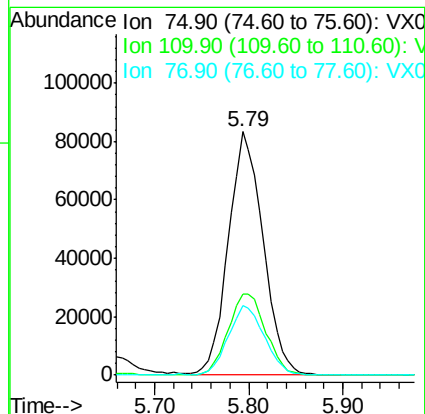
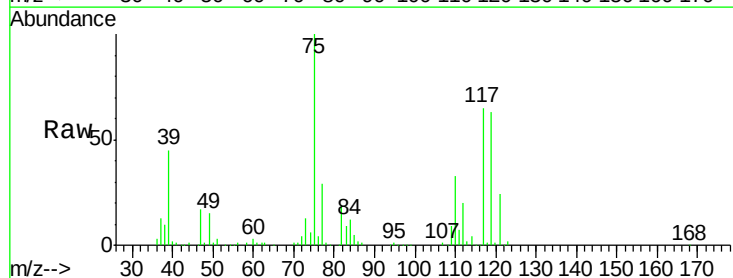
RT: 5.79 min Scan# 761

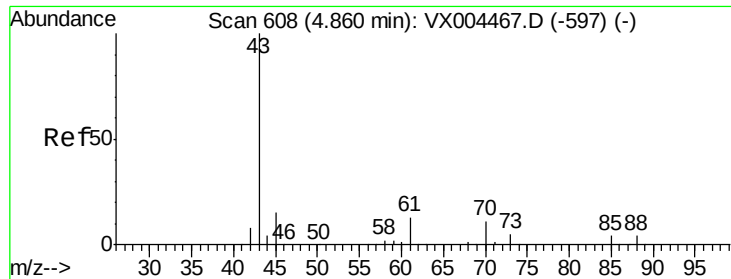
Delta R.T. -0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Tgt Ion:	75	Resp:	212230
Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.0	54.0
77	30.0	24.6	36.8





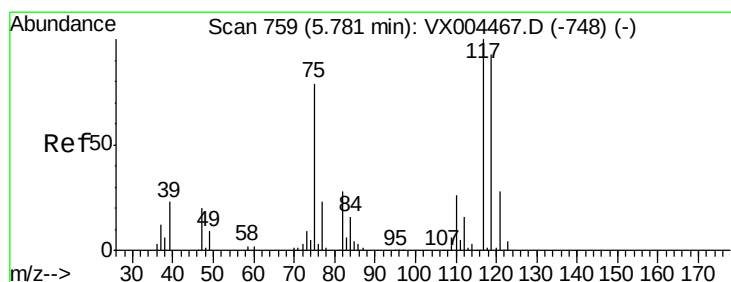
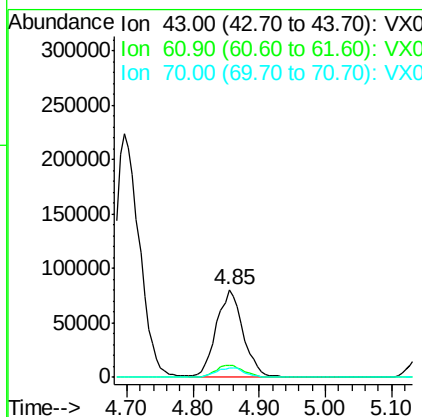
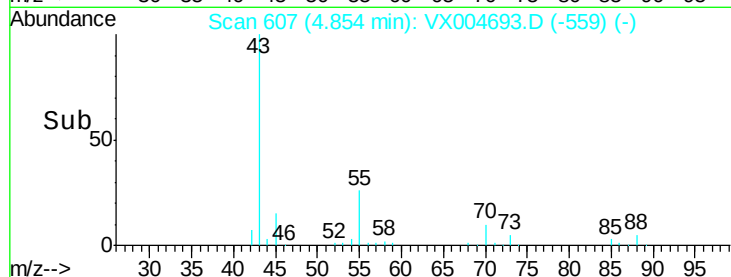
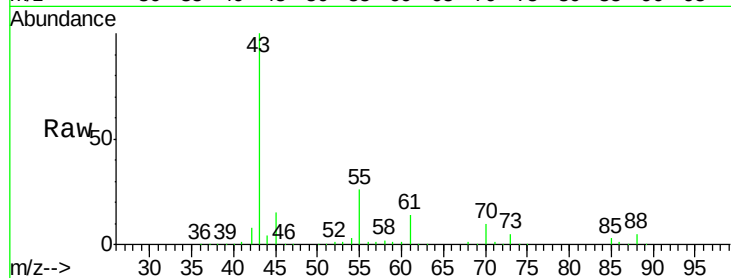
#37
Ethyl Acetate
Concen: 49.55 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	225850
Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.5	17.3
70	11.6	9.0	13.6

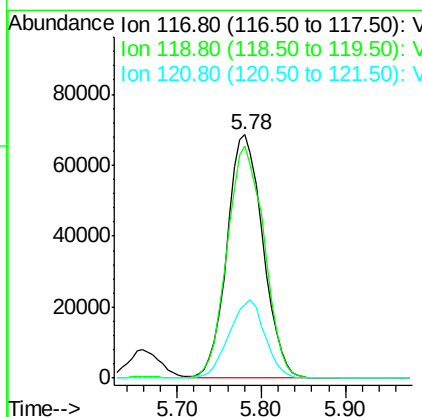
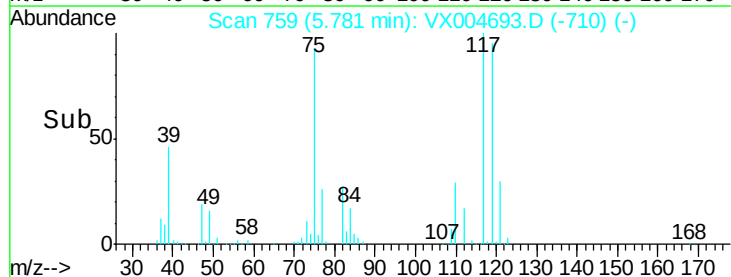
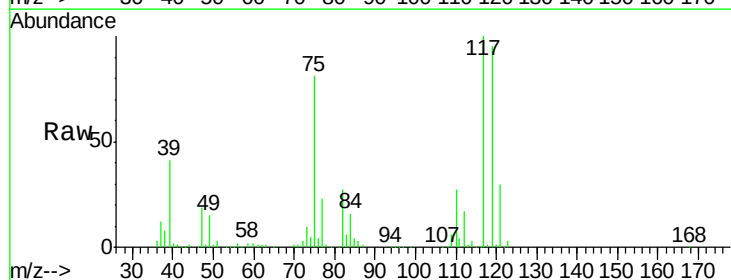
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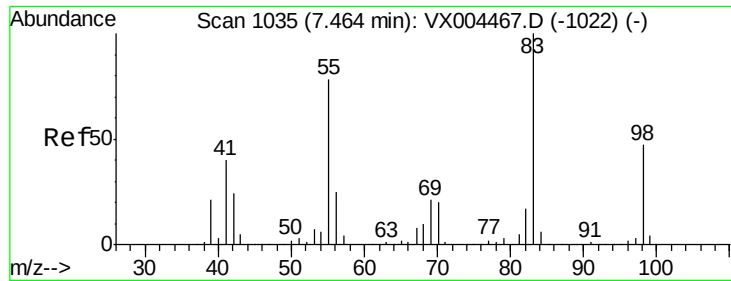
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#38
Carbon Tetrachloride
Concen: 50.84 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Tgt Ion:	117	Resp:	198969
Ion	Ratio	Lower	Upper
117	100		
119	95.2	78.8	118.2
121	30.0	24.9	37.3





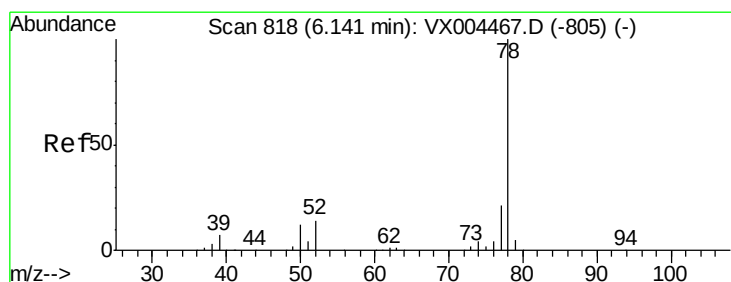
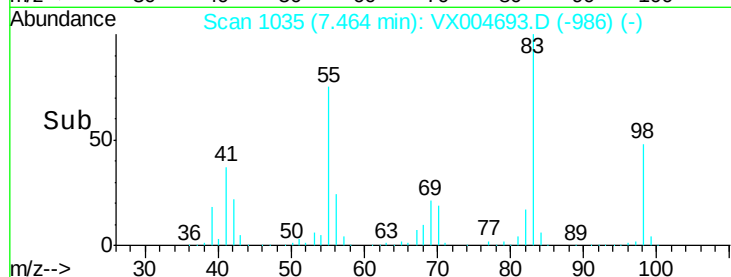
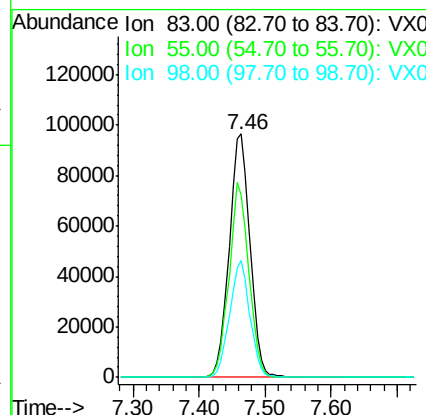
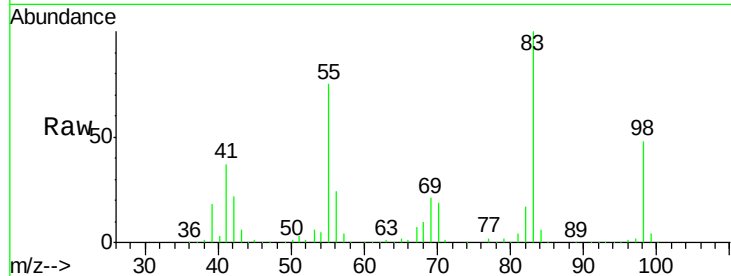
#39
Methylvlcyclohexane
Concen: 50.35 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.1	61.0	91.4
98	47.8	39.6	59.4

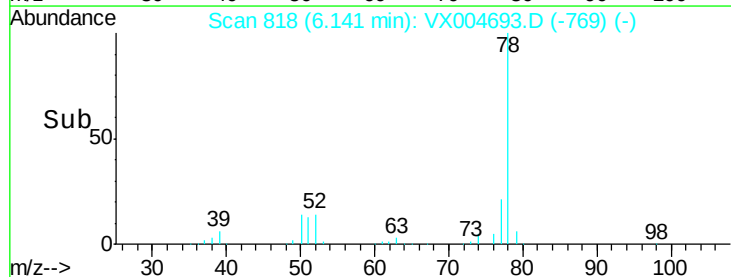
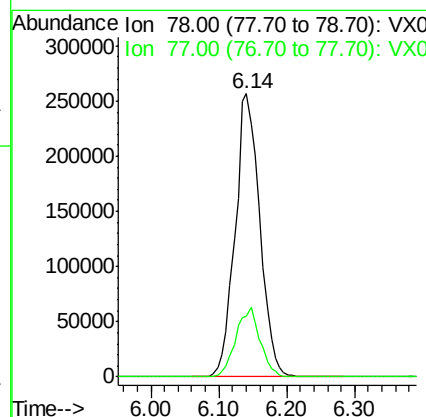
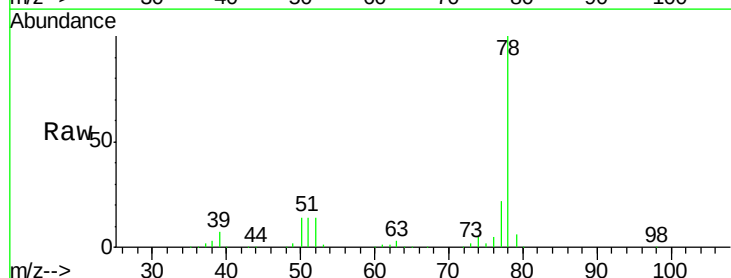
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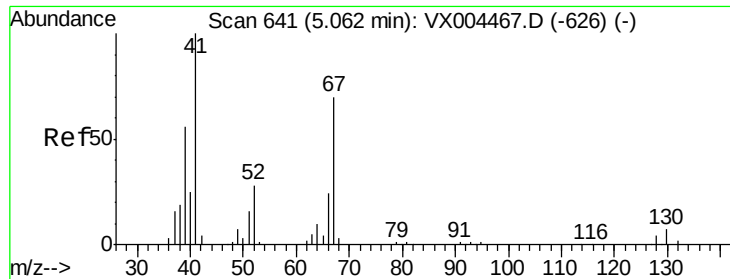
MMDadoda
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#40
Benzene
Concen: 54.40 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.6	19.0	28.4





#41

Methacrylonitrile

Concen: 52.34 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

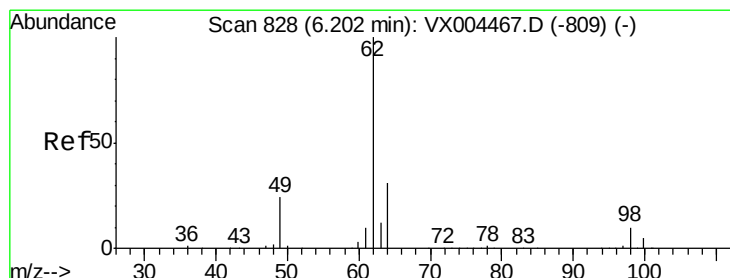
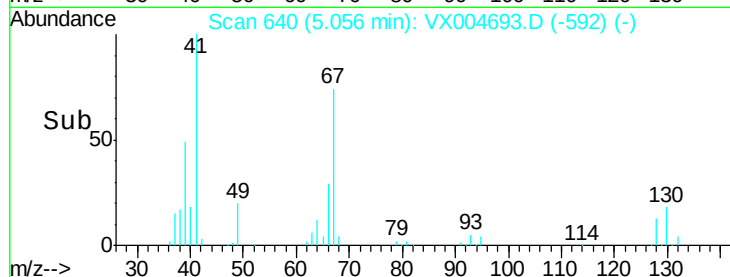
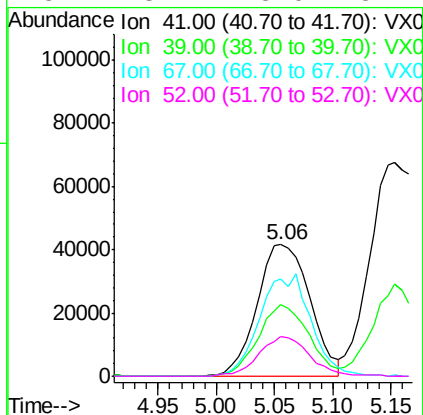
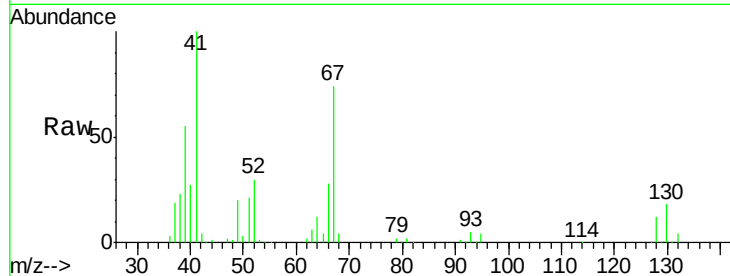
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.7	42.4	63.6	
67	75.1	59.2	88.8	
52	28.2	23.0	34.4	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 51.80 ug/l

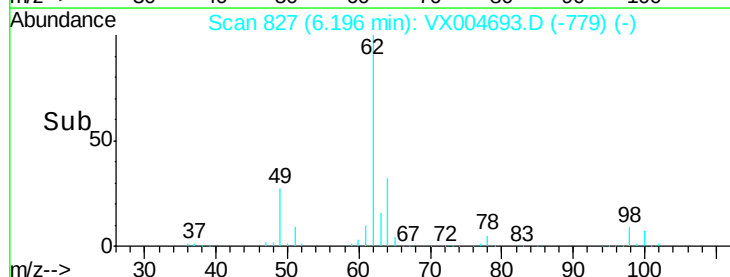
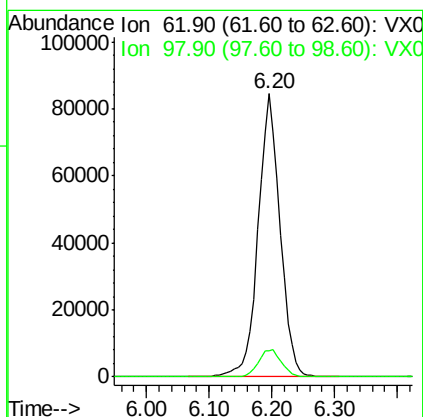
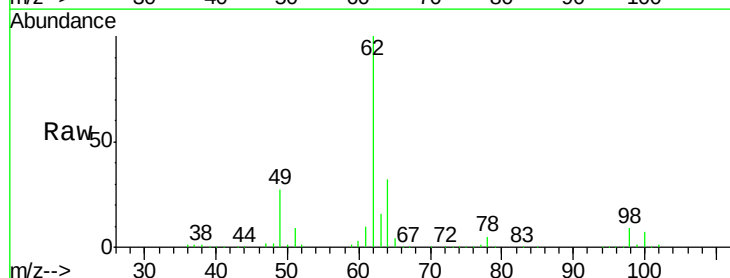
RT: 6.20 min Scan# 827

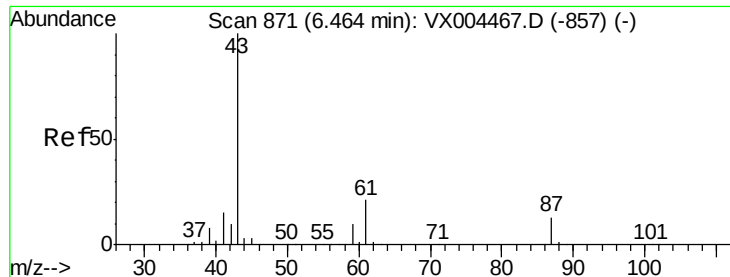
Delta R.T. -0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	20.6	





#43

Isopropyl Acetate

Concen: 51.91 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

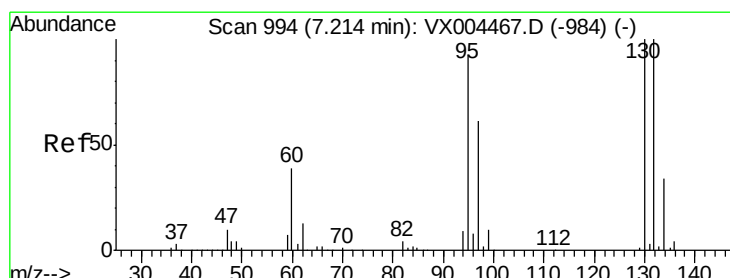
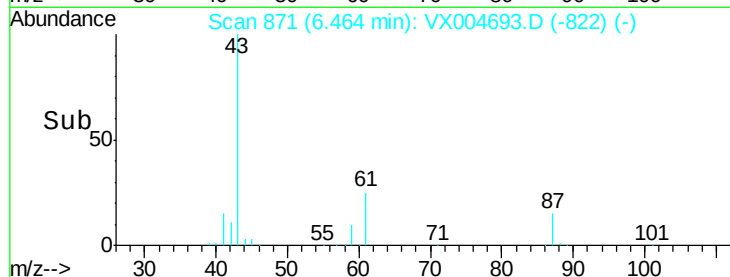
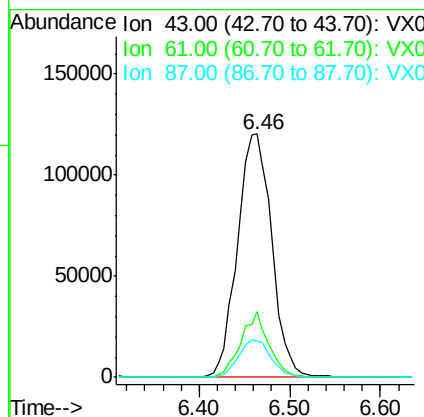
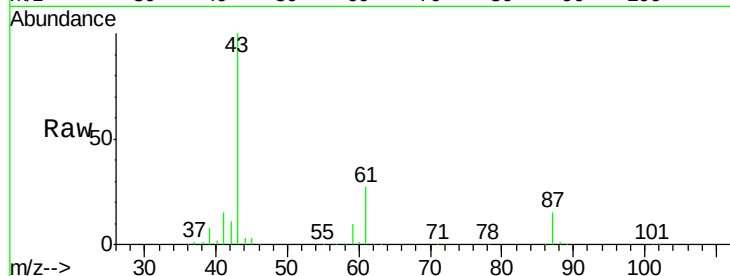
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	314205
Ion	Ratio	Lower	Upper
43	100		
61	22.1	17.0	25.4
87	14.6	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 53.34 ug/l

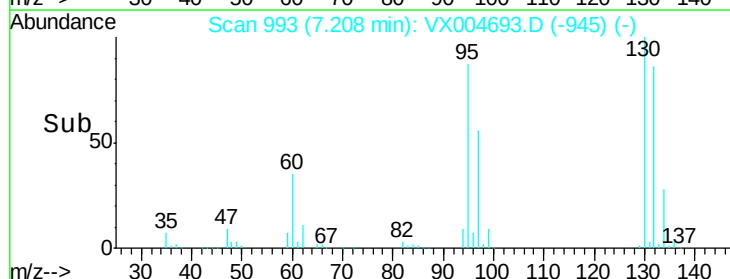
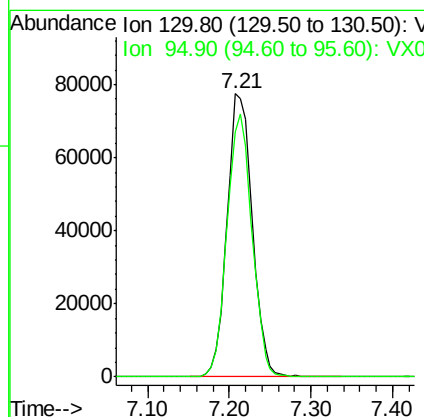
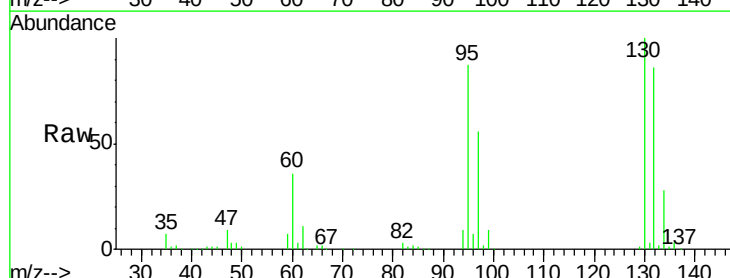
RT: 7.21 min Scan# 993

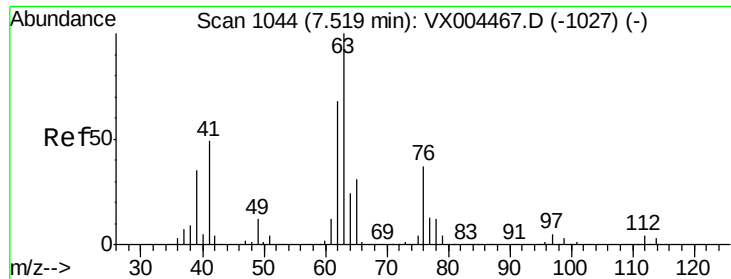
Delta R.T. -0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Tgt Ion:	130	Resp:	164767
Ion	Ratio	Lower	Upper
130	100		
95	86.7	0.0	181.6





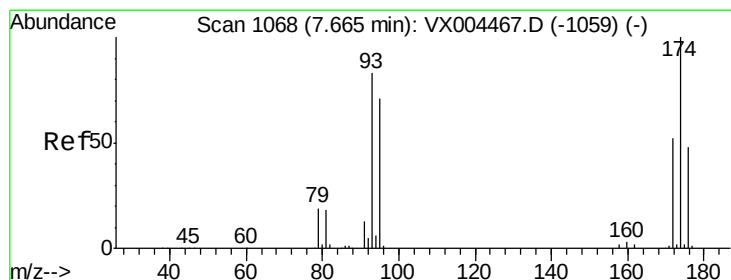
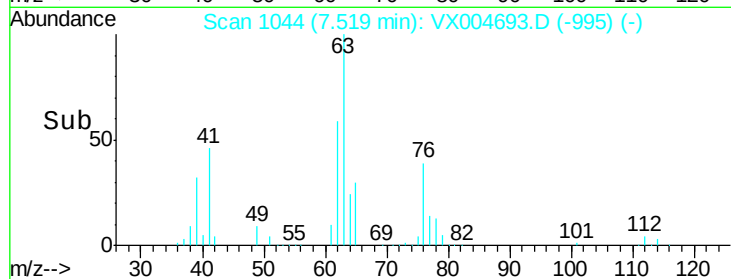
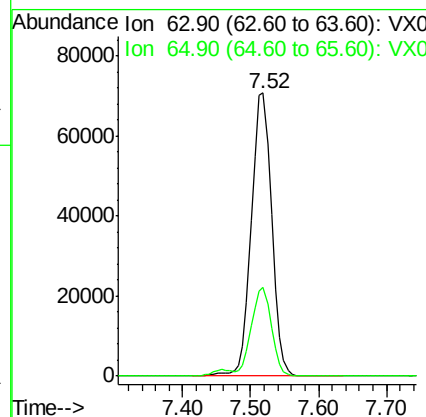
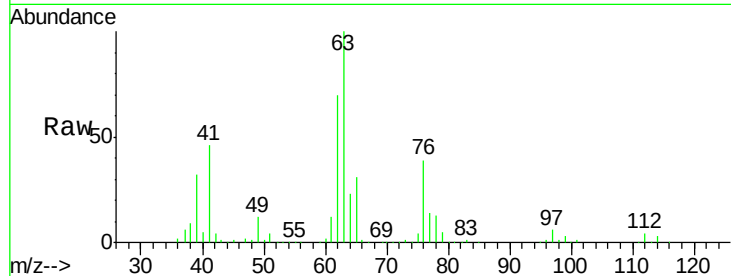
#45
 1,2-Dichloropropane
 Concen: 51.81 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.3	36.5

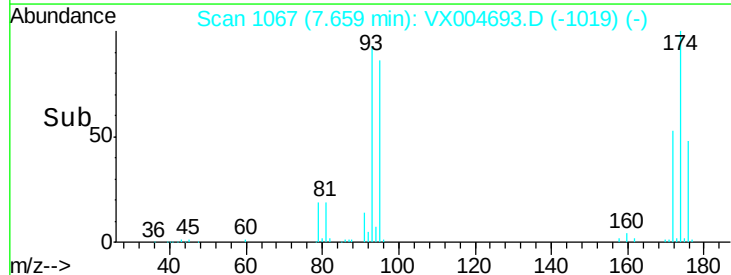
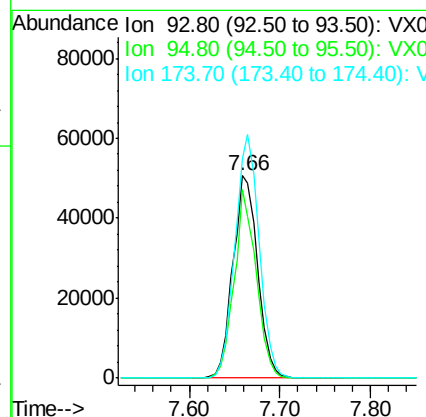
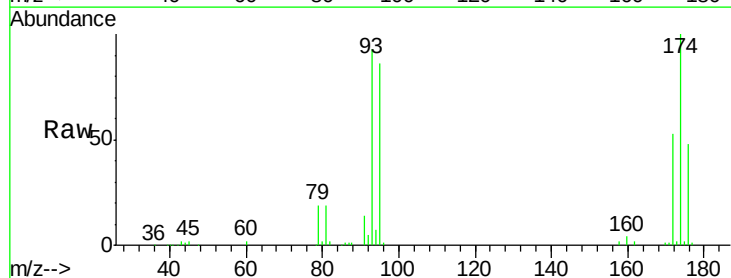
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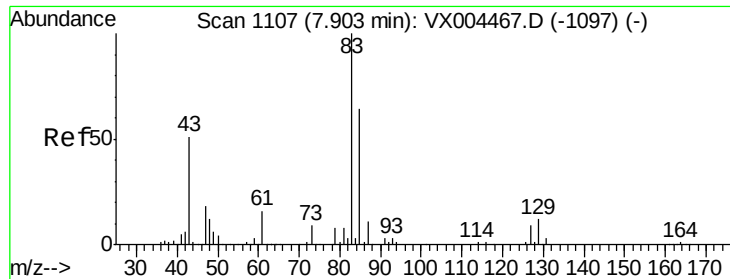
MMDadoda
 9/19/2018 6:56:58 PM



#46
 Dibromomethane
 Concen: 52.88 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	65.5	98.3
174	118.1	94.2	141.4





#47

Bromodichloromethane

Concen: 51.92 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004693.D

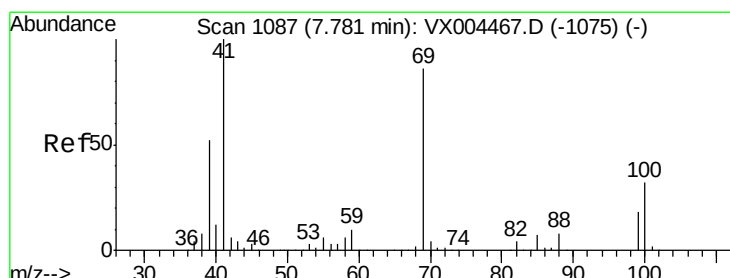
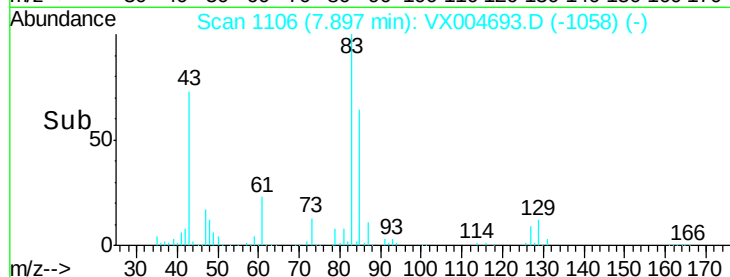
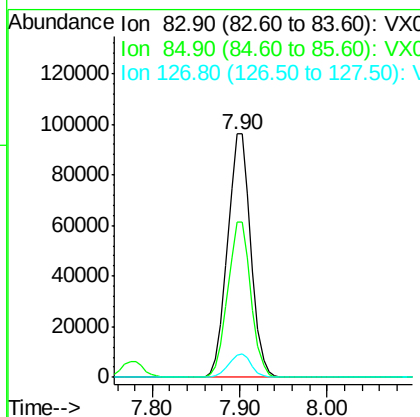
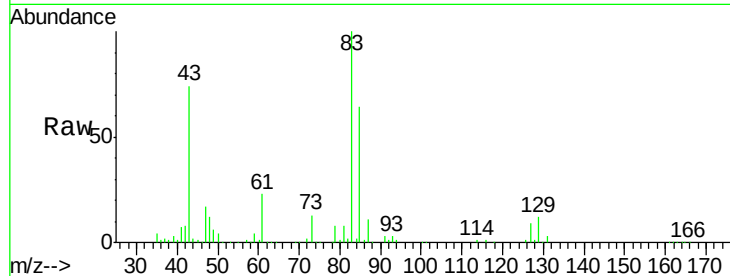
Acq: 19 Sep 2018 07:49

Tot Ion:	83	Resp:	177475
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.9	76.3
127	9.0	7.3	10.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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9/19/2018 6:56:58 PM



#48

Methyl methacrylate

Concen: 52.12 ug/l

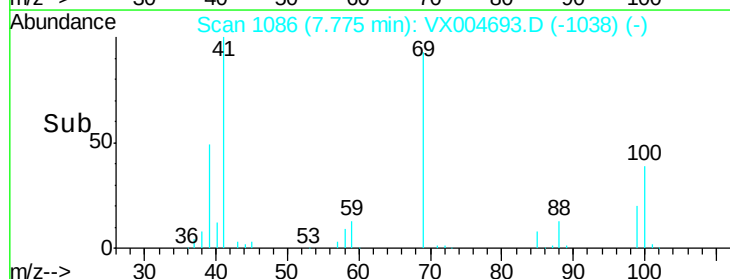
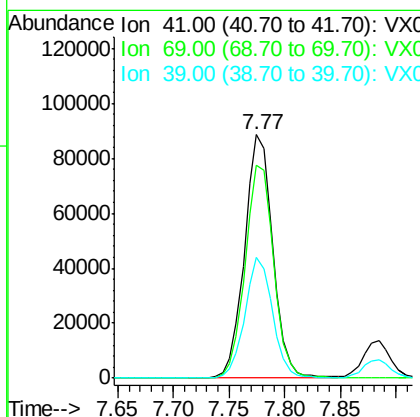
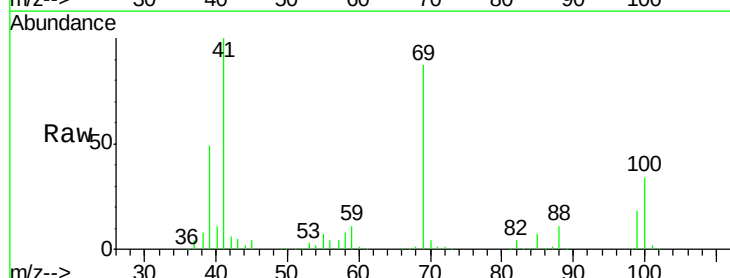
RT: 7.77 min Scan# 1086

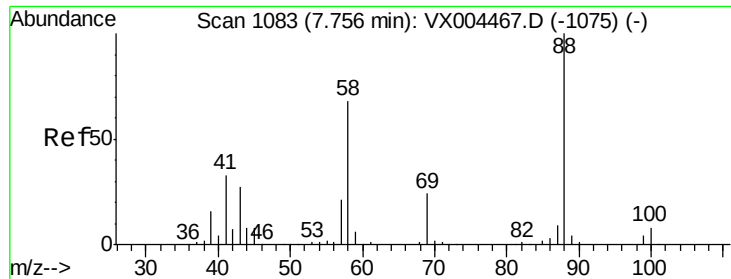
Delta R.T. -0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Tgt Ion:	41	Resp:	156145
Ion	Ratio	Lower	Upper
41	100		
69	89.1	70.2	105.4
39	48.9	42.7	64.1





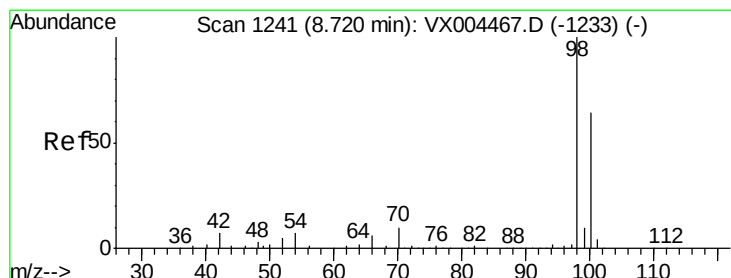
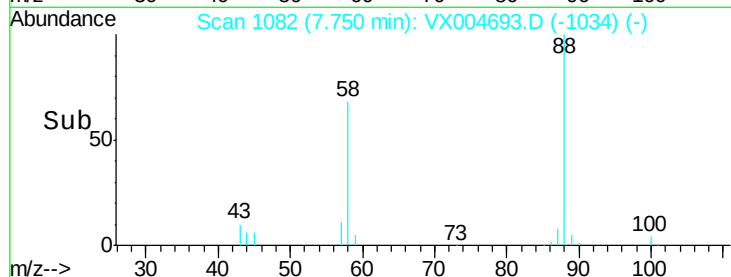
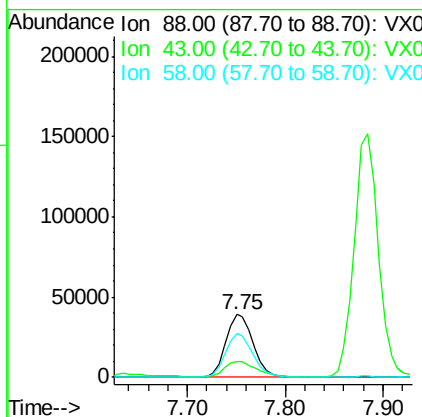
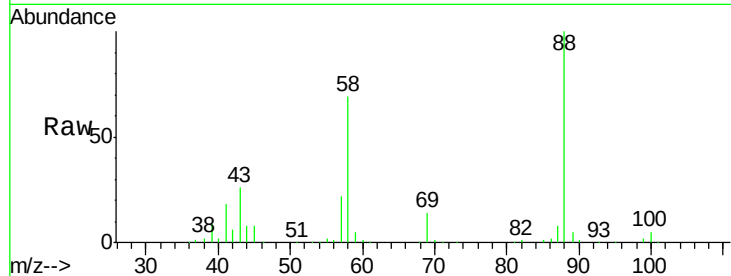
#49
1,4-Dioxane
Concen: 1065.63 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.9	24.7	37.1
58	69.7	55.3	82.9

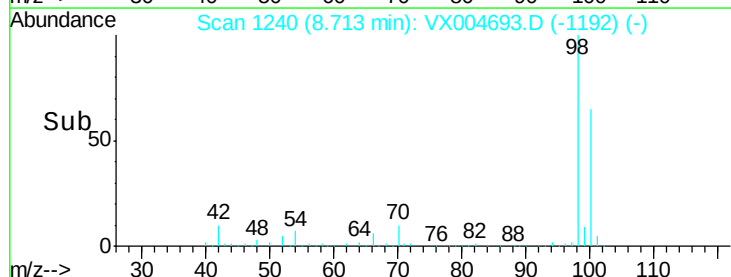
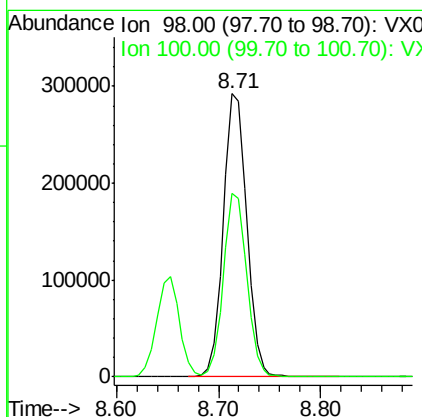
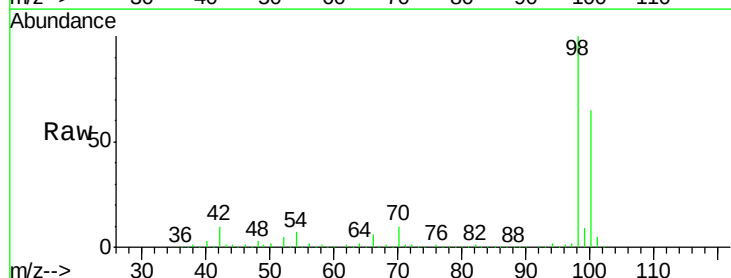
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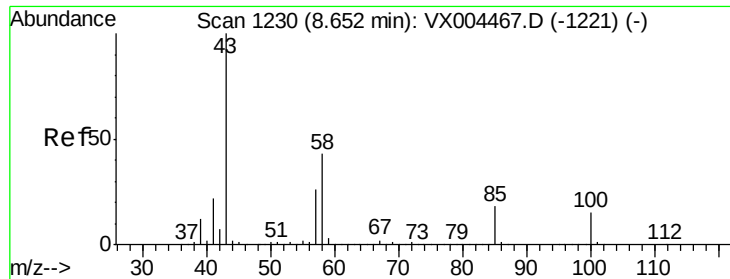
MMDadoda
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#50
Toluene-d8
Concen: 46.07 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.9	79.3





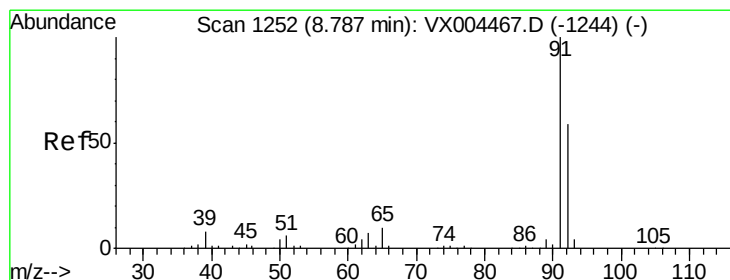
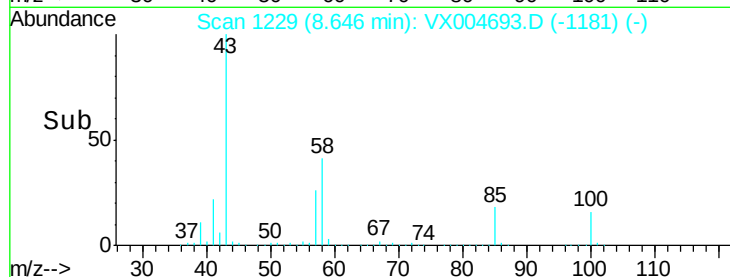
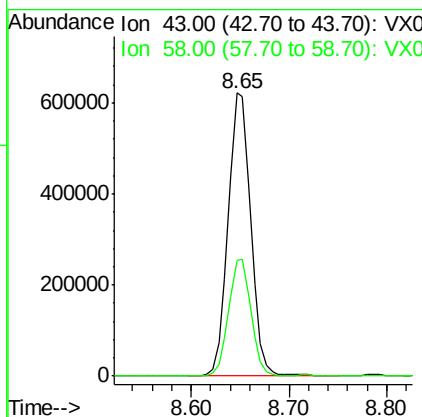
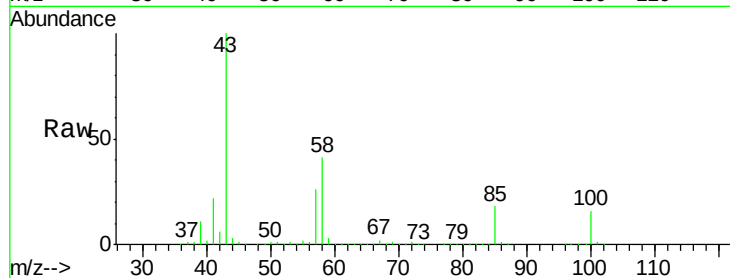
#51
4-Methyl-2-Pentanone
Concen: 233.74 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.9	33.1	49.7

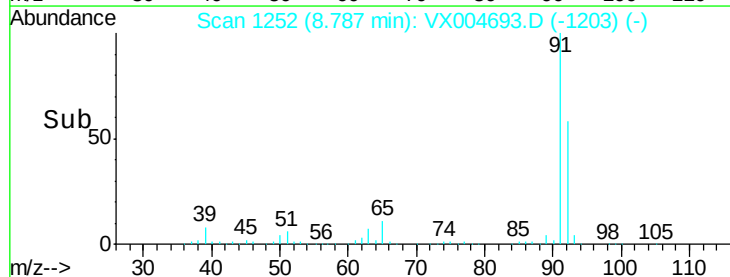
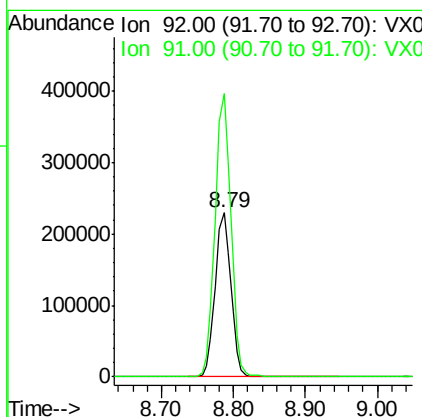
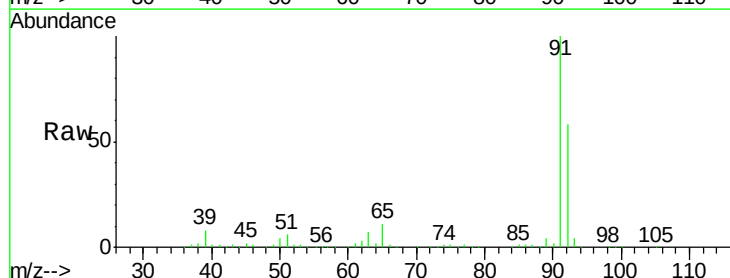
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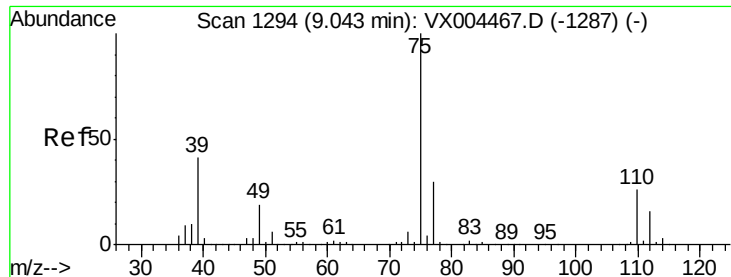
MMDadoda
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#52
Toluene
Concen: 50.02 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.0	136.4	204.6





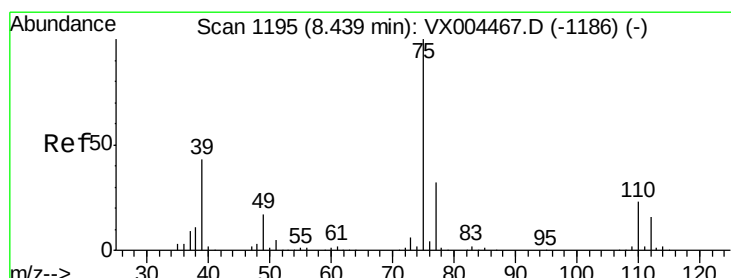
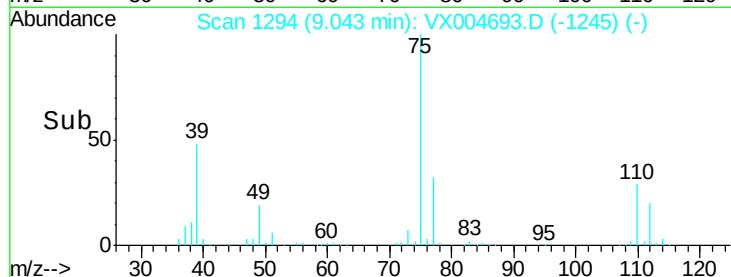
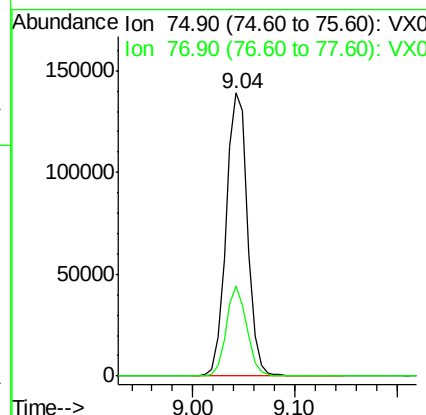
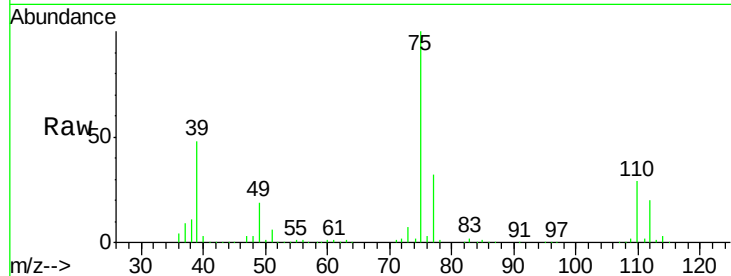
#53
 t-1,3-Dichloropropene
 Concen: 50.66 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 202264
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.6 37.0

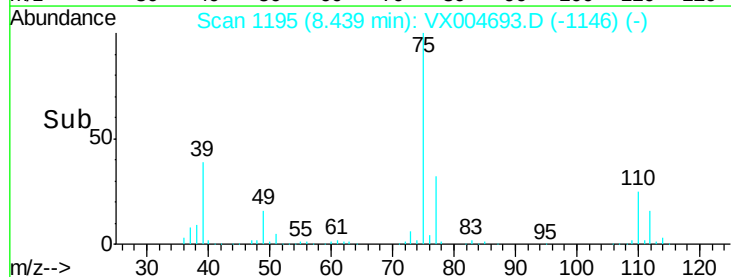
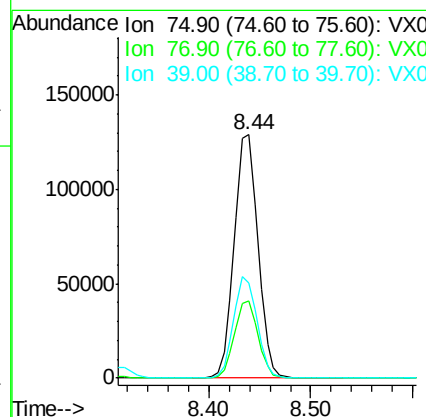
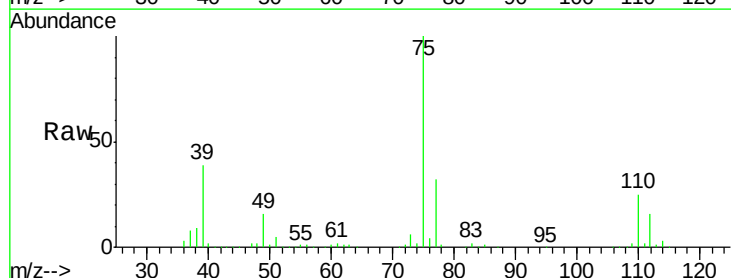
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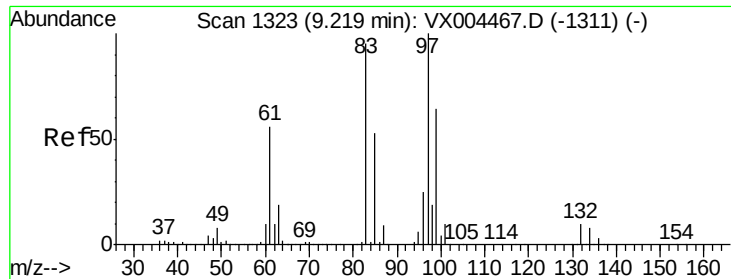
MMDadoda
 9/19/2018 6:56:58 PM



#54
 cis-1,3-Dichloropropene
 Concen: 50.90 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.00 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

Tgt Ion: 75 Resp: 207150
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.2 39.2
 39 39.1 36.4 54.6





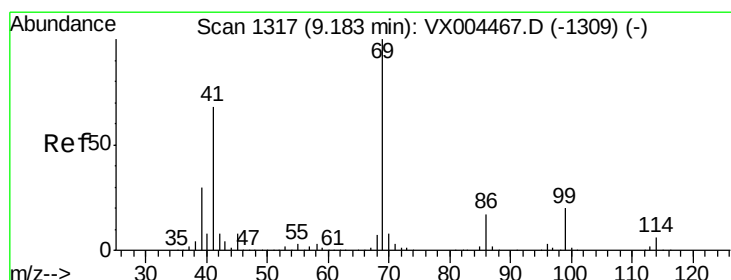
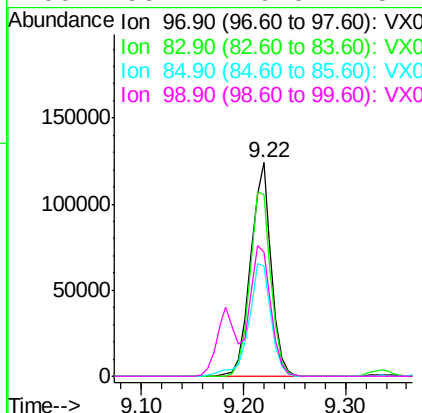
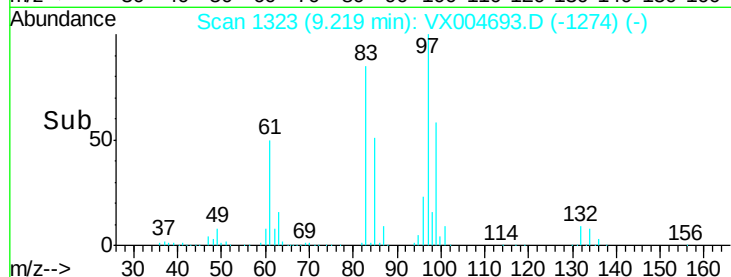
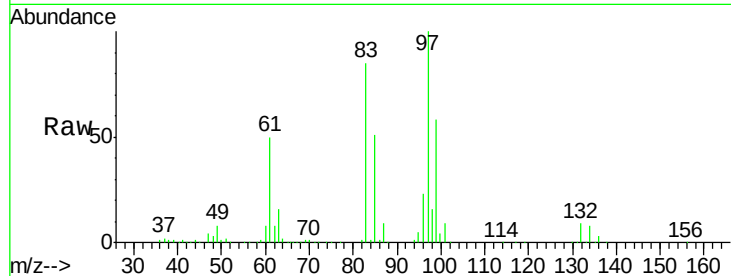
#55
 1,1,2-Trichloroethane
 Concen: 57.80 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		174349		
83	84.9	66.4	99.6		
85	51.4	43.3	64.9		
99	58.2	49.0	73.4		

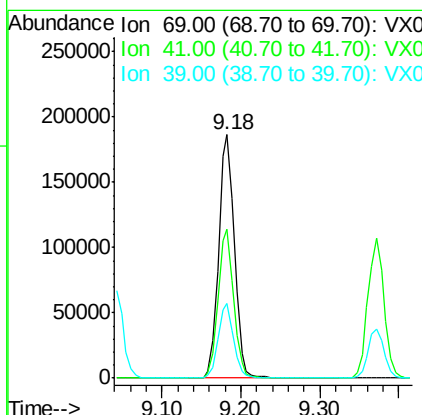
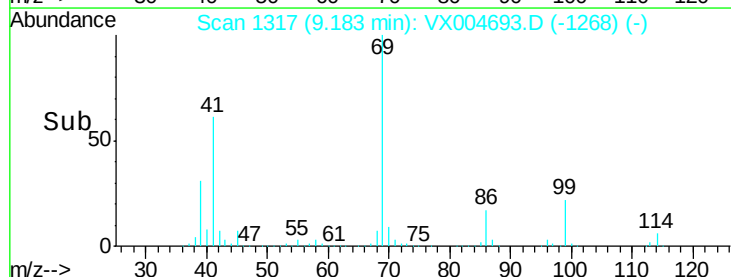
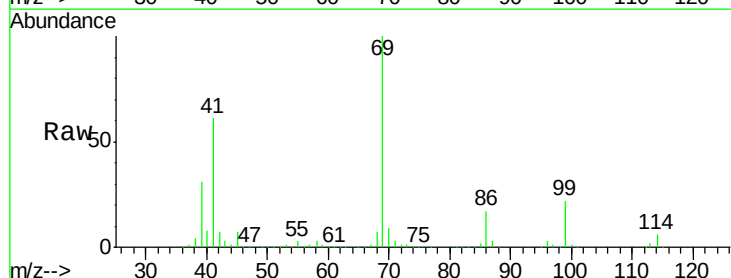
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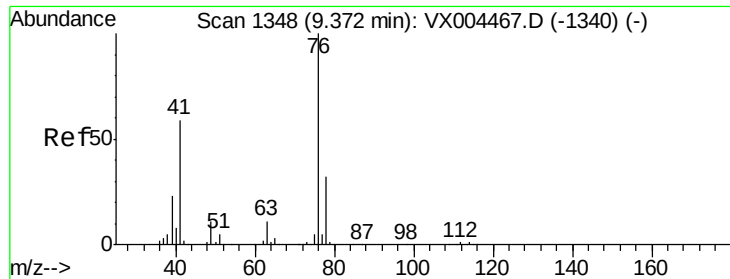
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#56
 Ethyl methacrylate
 Concen: 61.02 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		260362		
41	60.4	51.0	76.4		
39	30.0	26.1	39.1		





#57

1,3-Dichloropropane

Concen: 58.86 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 288451

Ion Ratio Lower Upper

76 100

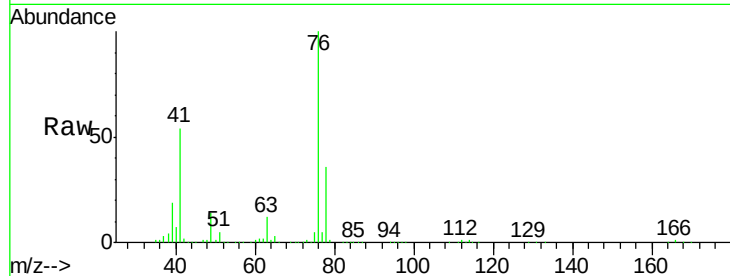
78 32.5 25.5 38.3

Manual Integrations

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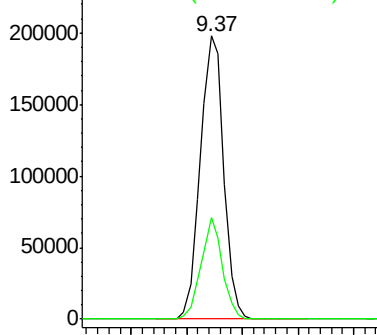
MMDadoda

9/19/2018 6:56:58 PM

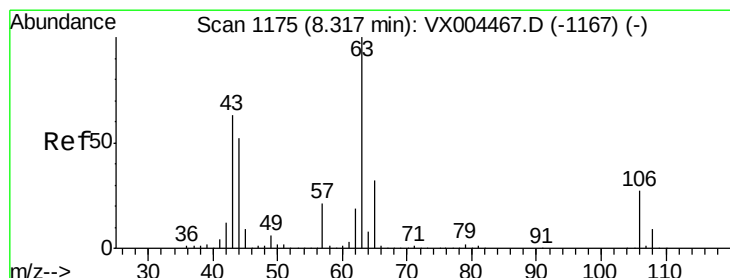
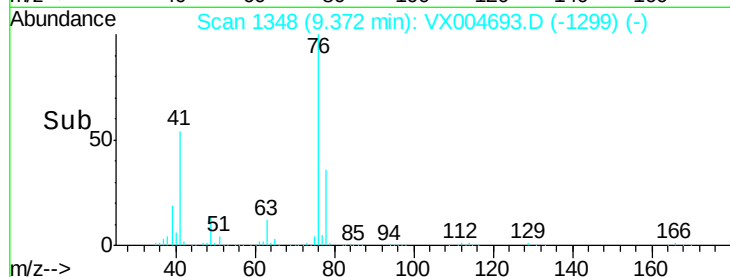


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 236.43 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX004693.D

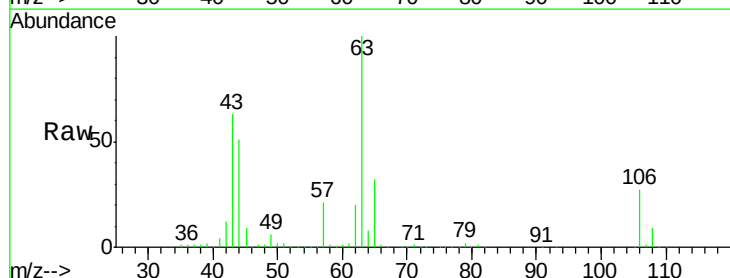
Acq: 19 Sep 2018 07:49

Tgt Ion: 63 Resp: 513127

Ion Ratio Lower Upper

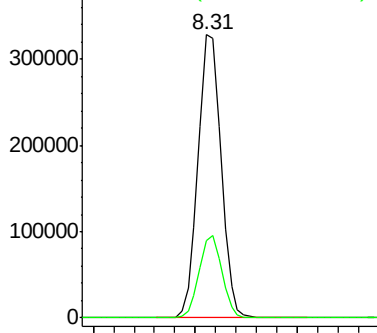
63 100

106 28.5 23.9 35.9

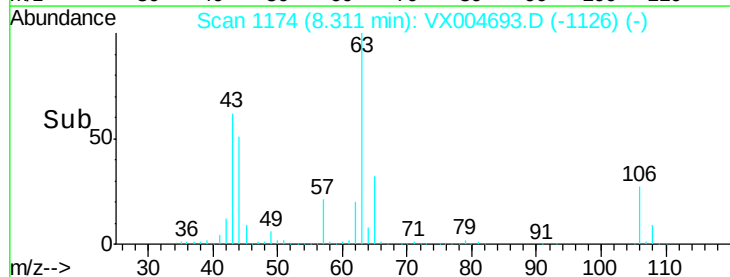


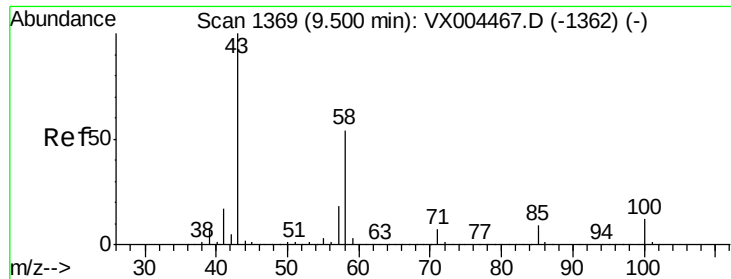
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V



Time-->





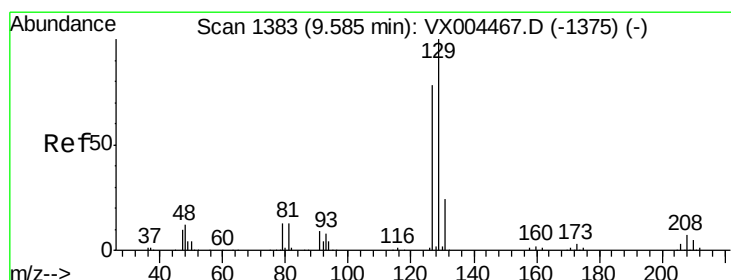
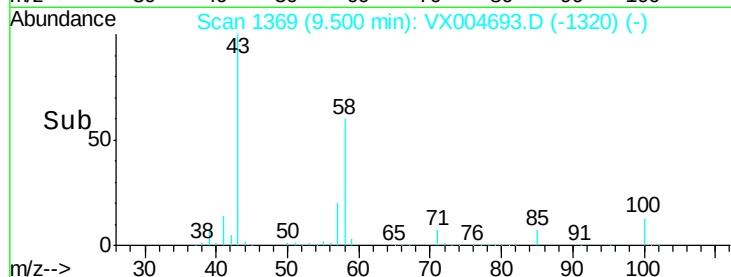
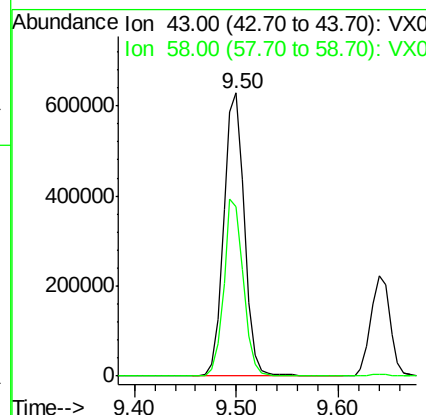
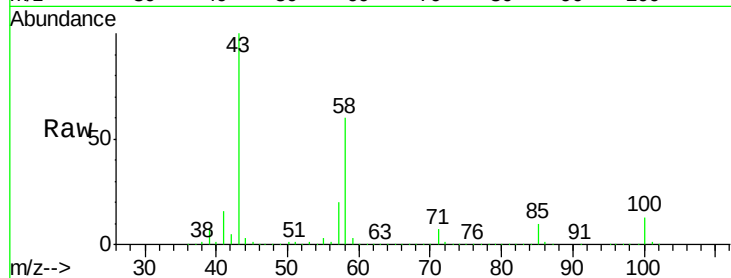
#59
2-Hexanone
Concen: 270.99 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 887940
Ion Ratio Lower Upper
43 100
58 59.3 29.0 87.0

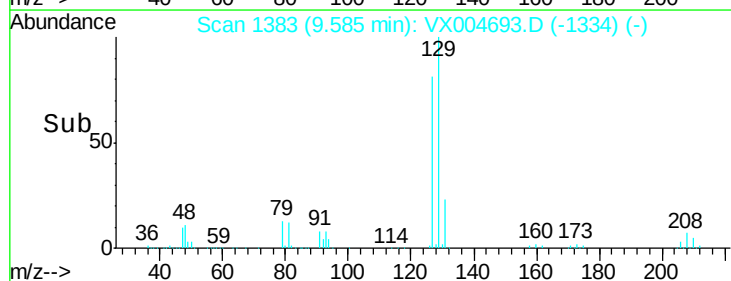
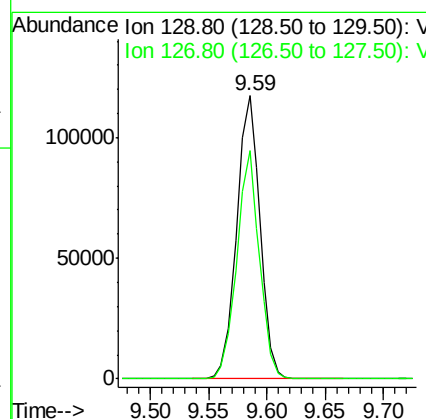
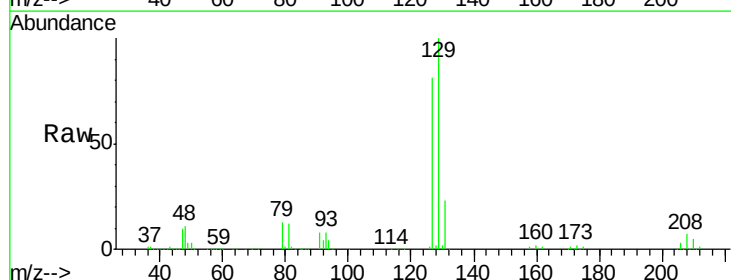
Manual Integrations
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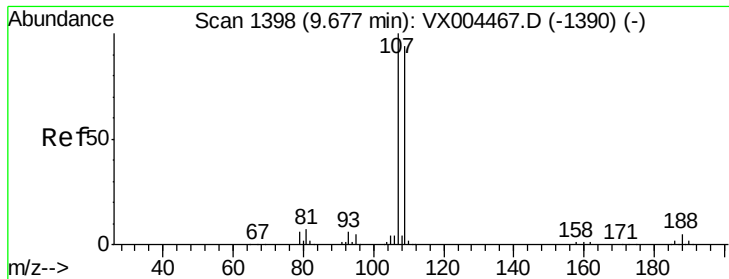
MMDadoda
9/19/2018 6:56:58 PM



#60
Dibromochloromethane
Concen: 57.58 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Tgt Ion: 129 Resp: 163516
Ion Ratio Lower Upper
129 100
127 78.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 55.26 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 159228

Ion Ratio Lower Upper

107 100

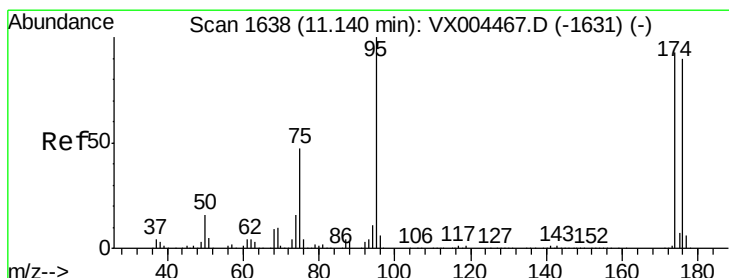
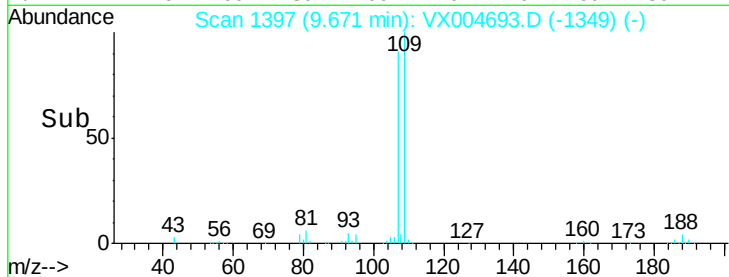
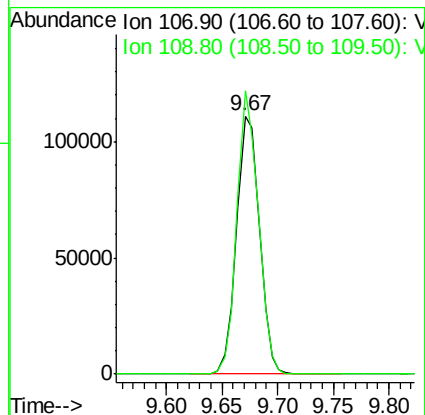
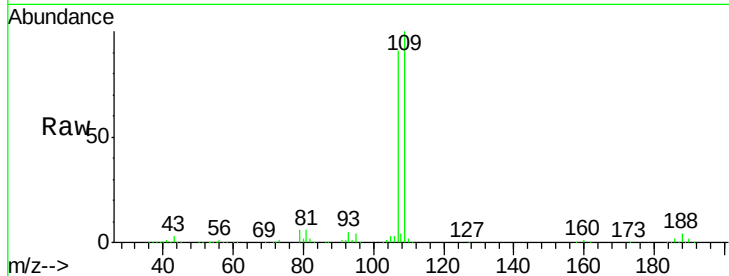
109 102.7 76.0 114.0

Manual Integrations

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MMDadoda

9/19/2018 6:56:58 PM



#62

4-Bromofluorobenzene

Concen: 48.36 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

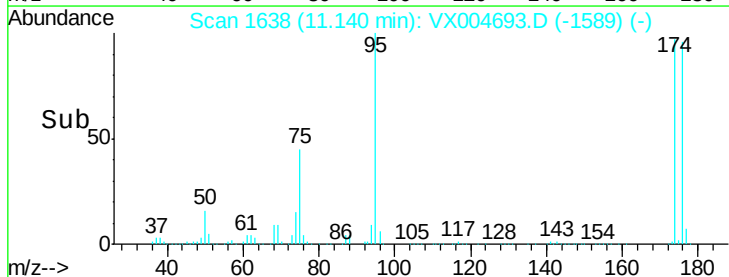
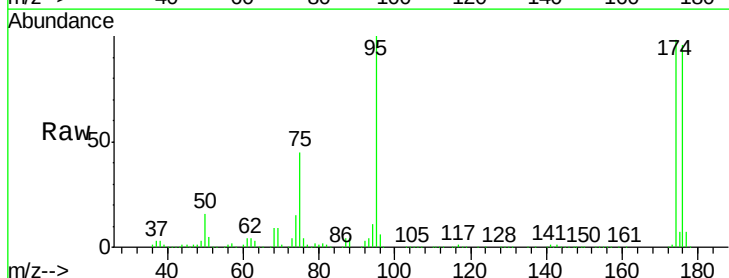
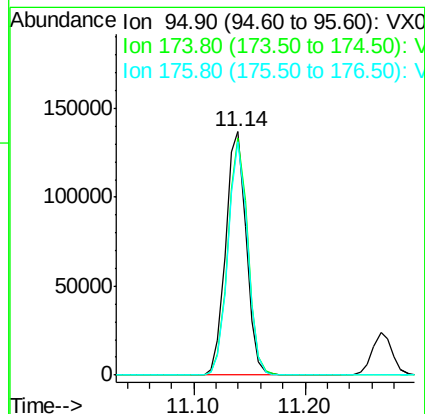
Tgt Ion: 95 Resp: 174836

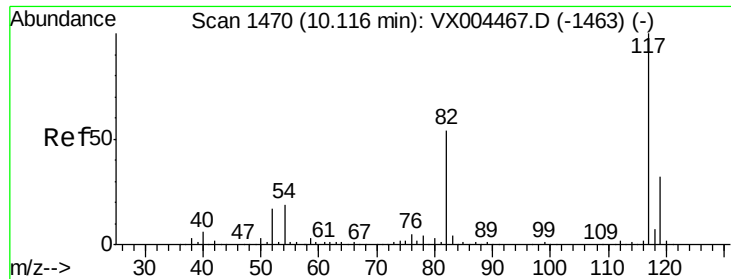
Ion Ratio Lower Upper

95 100

174 94.3 0.0 185.2

176 92.2 0.0 178.6





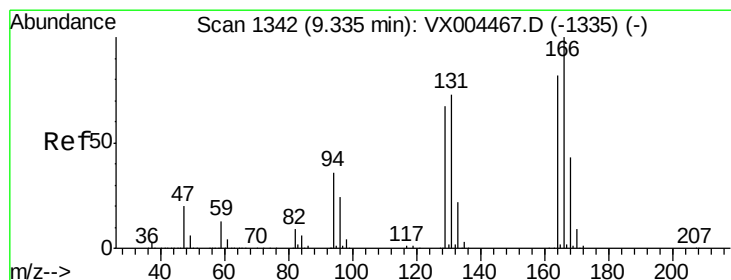
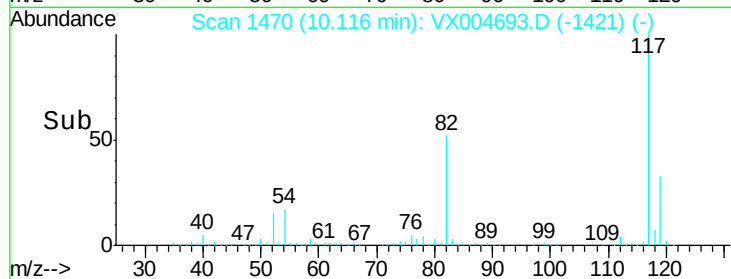
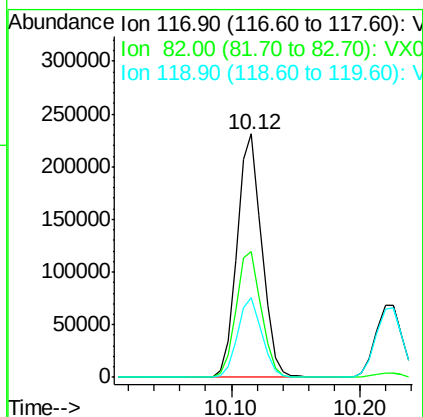
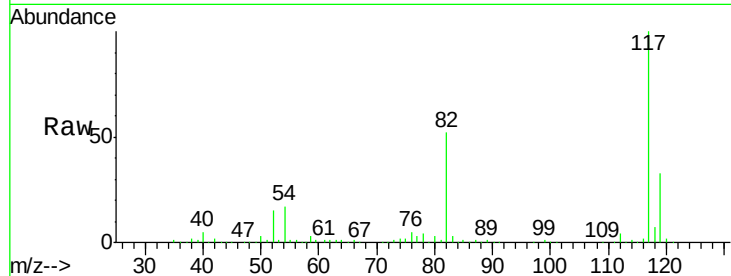
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	47.8	71.6
119	32.7	29.3	43.9

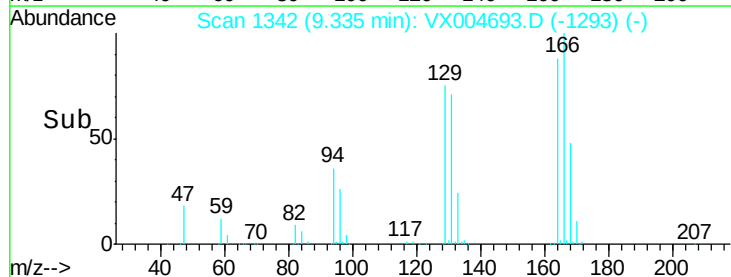
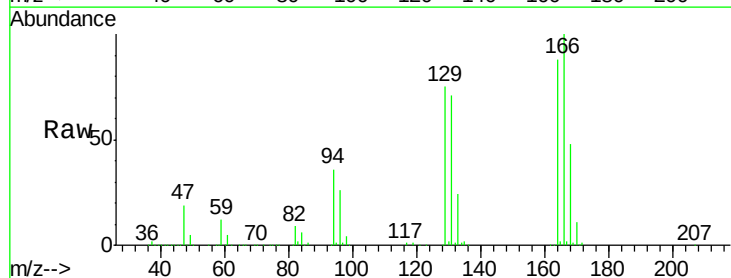
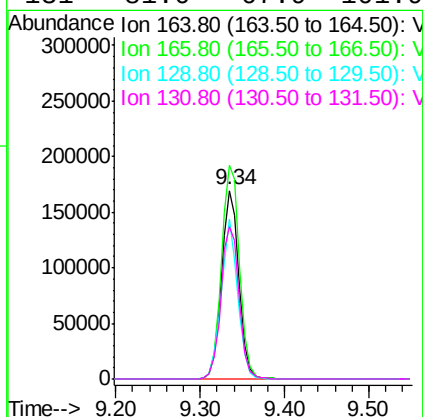
Manual Integrations
APPROVED

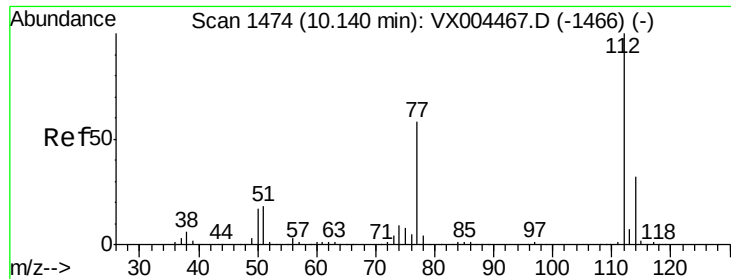
MMDadoda
9/19/2018 6:56:58 PM



#64
Tetrachloroethene
Concen: 62.91 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	113.4	102.8	154.2
129	85.3	69.4	104.0
131	81.0	67.9	101.9





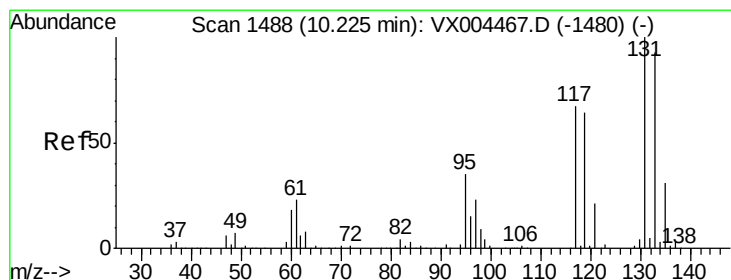
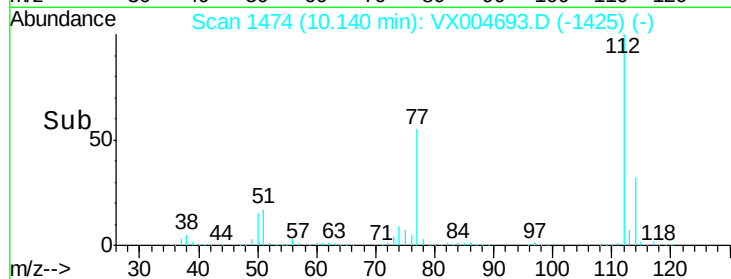
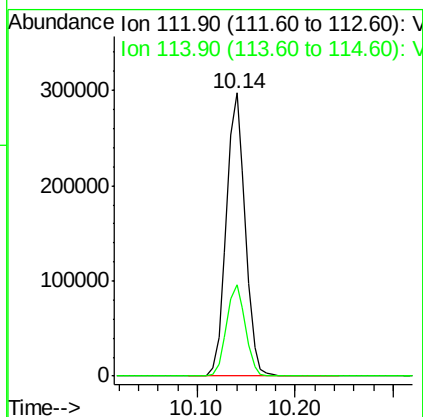
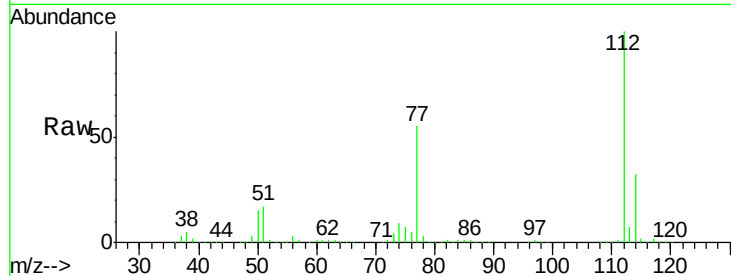
#65
Chlorobenzene
Concen: 52.07 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 398071
Ion Ratio Lower Upper
112 100
114 32.1 27.8 41.8

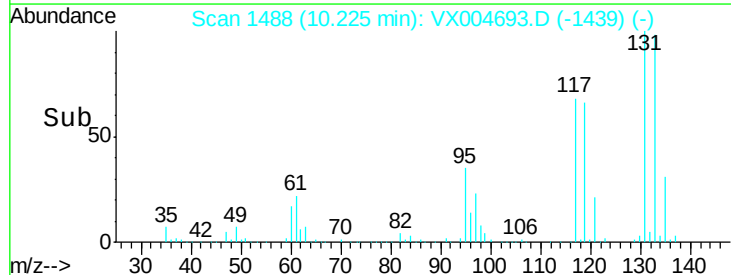
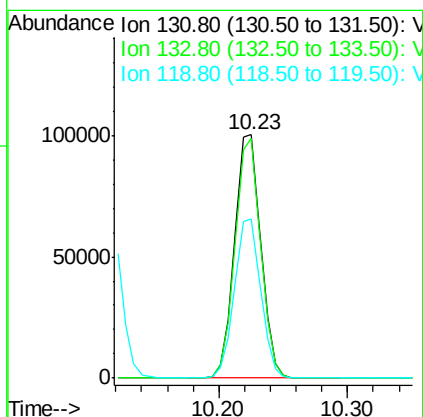
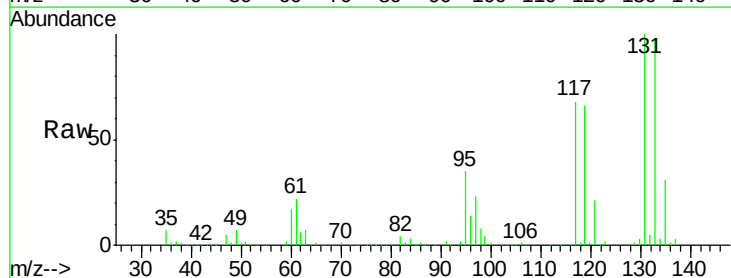
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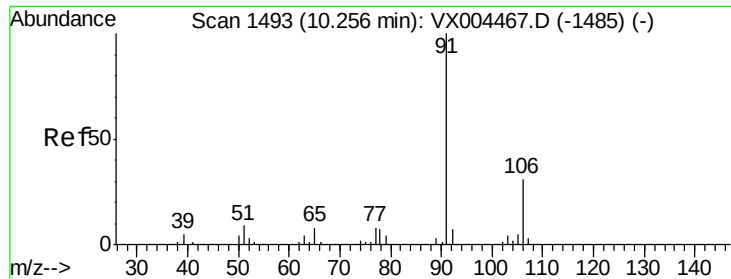
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.14 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Tgt Ion:131 Resp: 142730
Ion Ratio Lower Upper
131 100
133 96.1 48.1 144.4
119 65.7 32.9 98.6





#67

Ethyl Benzene

Concen: 53.75 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 668173

Ion Ratio Lower Upper

91 100

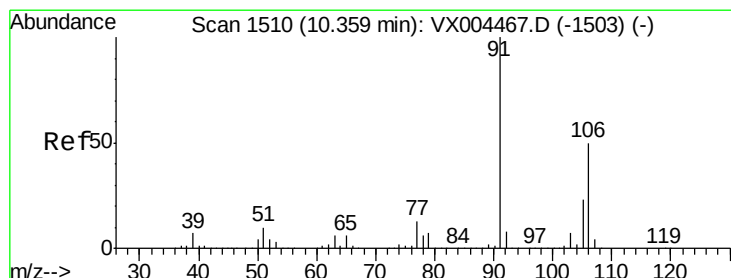
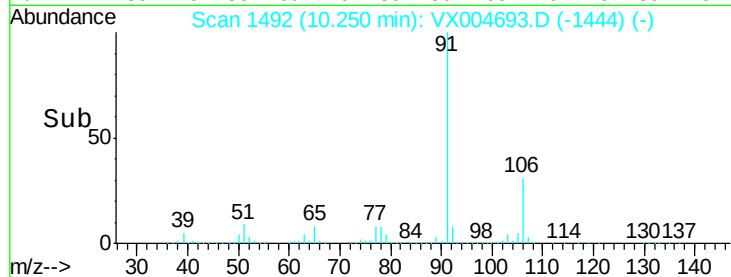
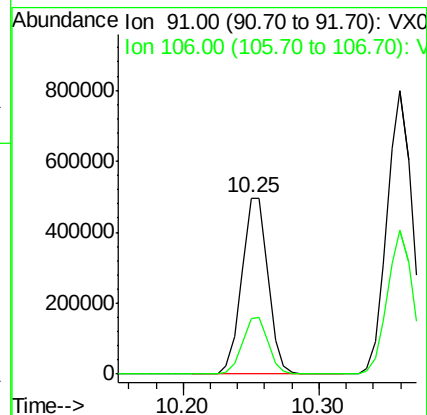
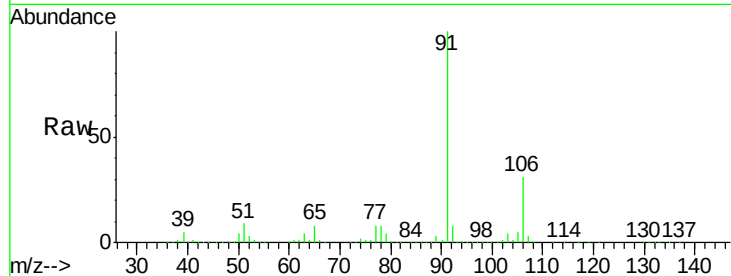
106 31.2 25.9 38.9

Manual Integrations

APPROVED

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9/19/2018 6:56:58 PM



#68

m/p-Xylenes

Concen: 110.25 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX004693.D

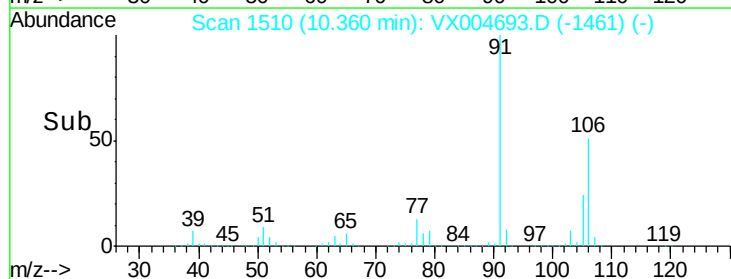
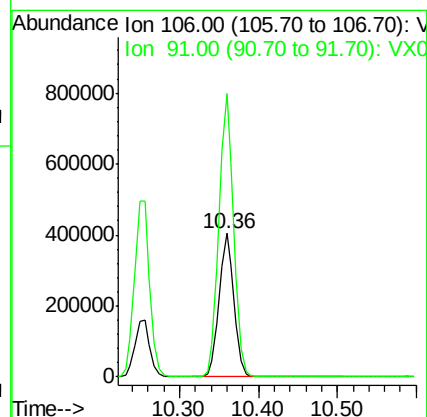
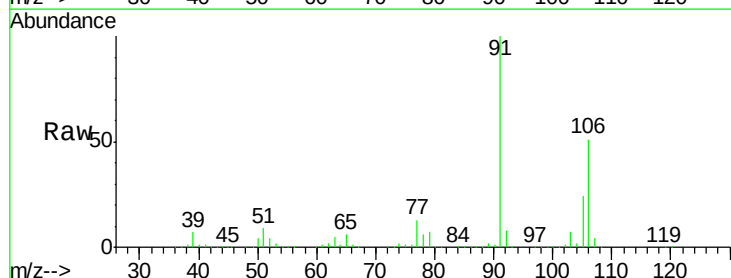
Acq: 19 Sep 2018 07:49

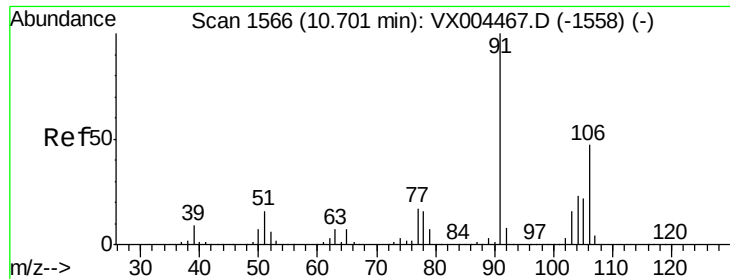
Tgt Ion: 106 Resp: 527954

Ion Ratio Lower Upper

106 100

91 197.6 157.1 235.7





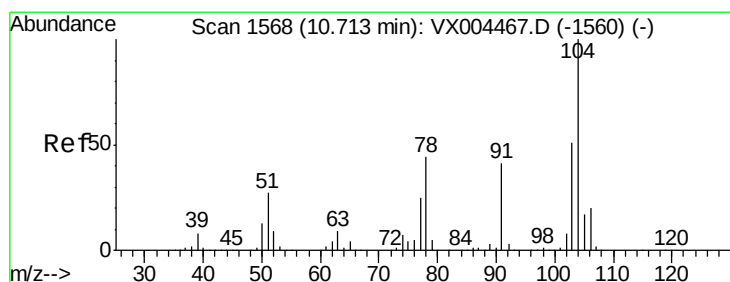
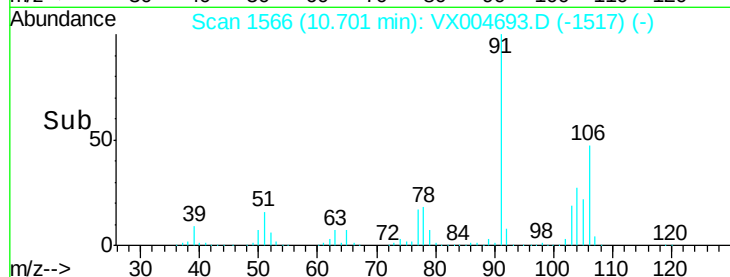
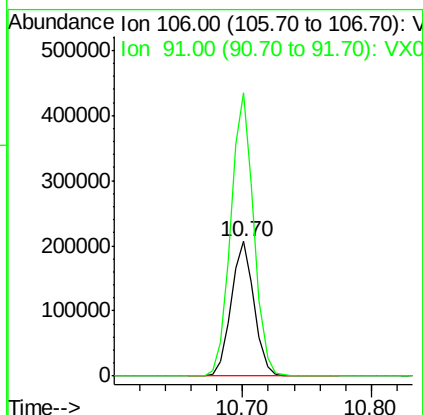
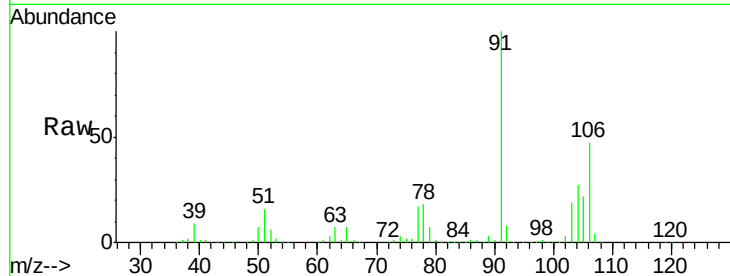
#69
o-Xylene
Concen: 55.99 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	210.1	105.1	315.1	

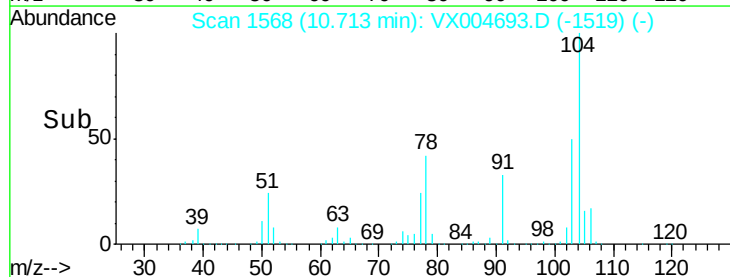
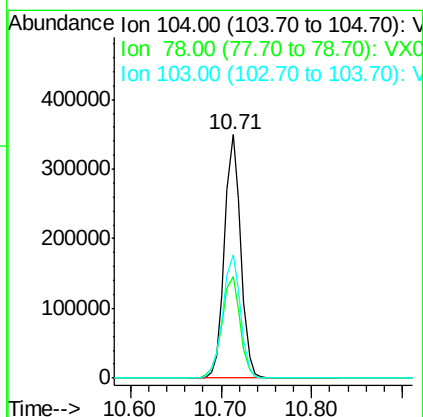
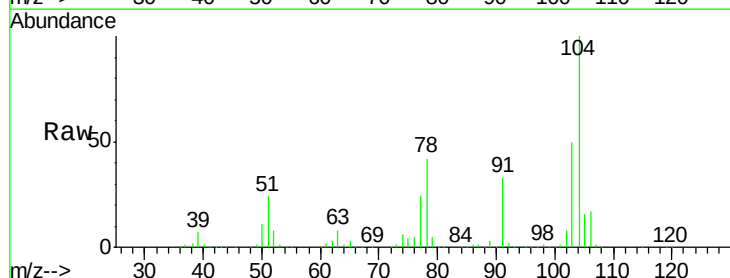
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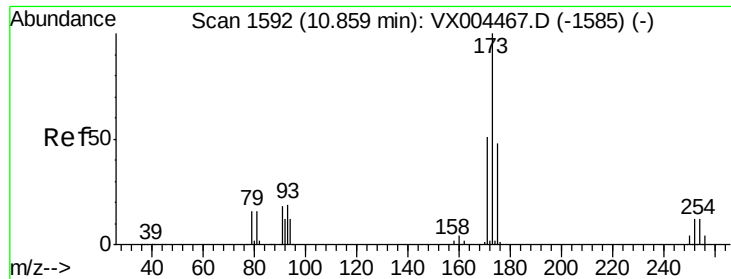
MMDadoda
9/19/2018 6:56:58 PM



#70
Styrene
Concen: 57.22 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.0	37.4	56.0	
103	55.2	43.8	65.6	





#71

Bromoform

Concen: 54.98 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

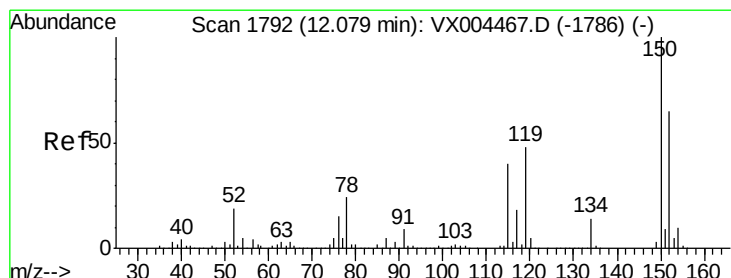
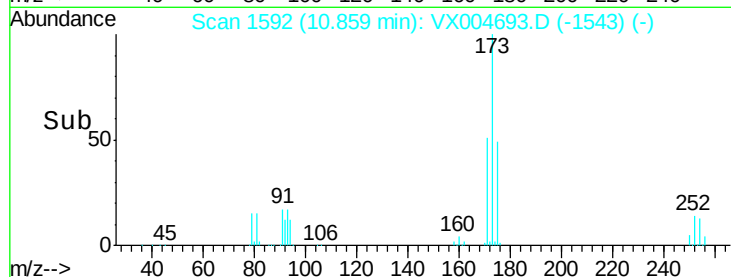
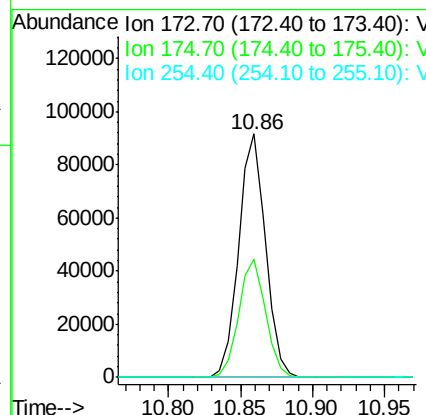
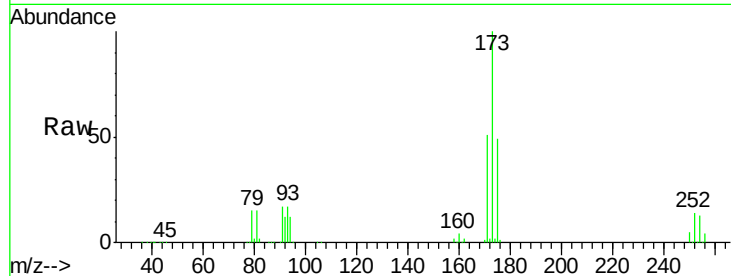
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	119020
Ion Ratio	Lower	Upper	
173	100		
175	48.6	24.1	72.3
254	0.2	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

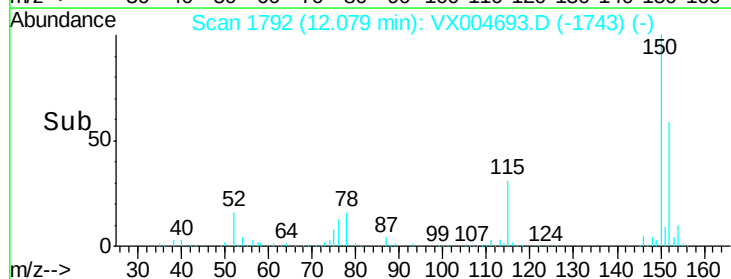
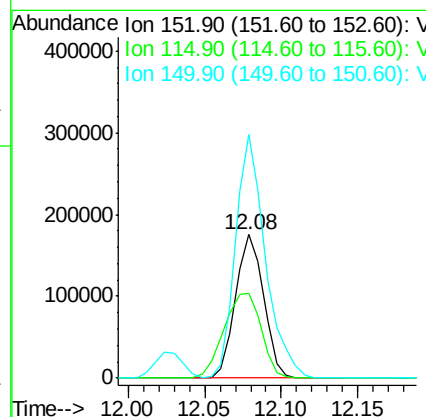
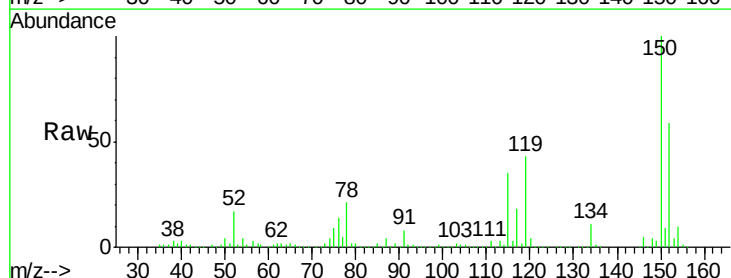
RT: 12.08 min Scan# 1792

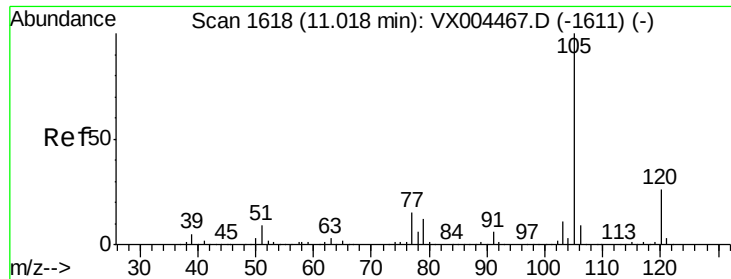
Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Tgt Ion:	152	Resp:	222942
Ion Ratio	Lower	Upper	
152	100		
115	78.4	39.0	117.0
150	180.3	0.0	351.0





#73

Isopropylbenzene

Concen: 46.71 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 685820

Ion Ratio Lower Upper

105 100

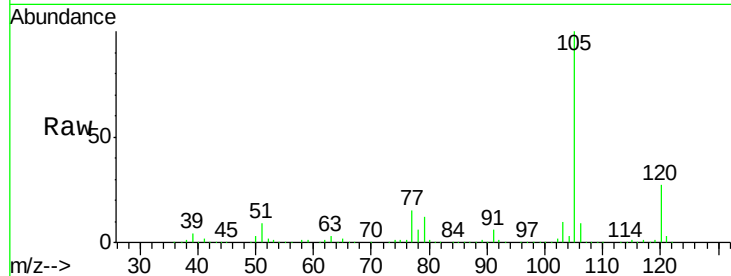
120 27.0 13.5 40.4

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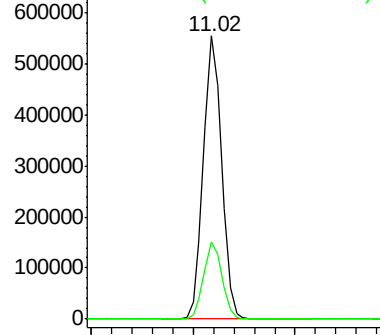
MMDadoda

9/19/2018 6:56:58 PM

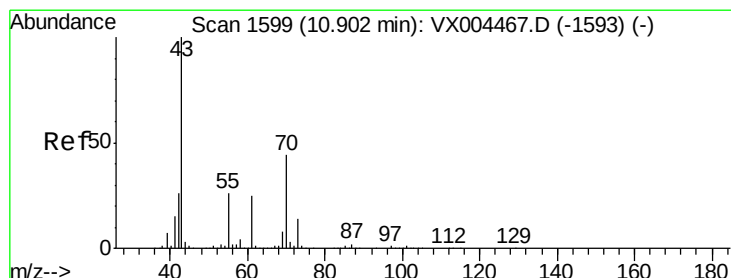
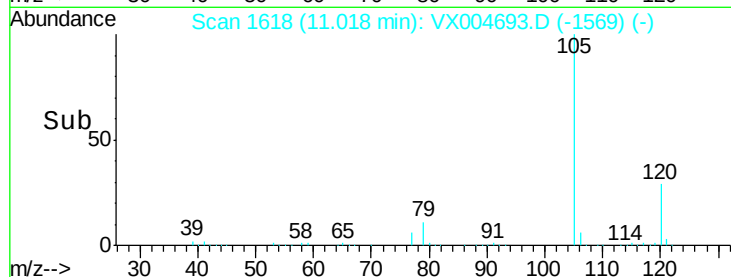


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 45.45 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Tgt Ion: 43 Resp: 280872

Ion Ratio Lower Upper

43 100

70 45.3 37.4 56.0

55 26.3 21.8 32.8

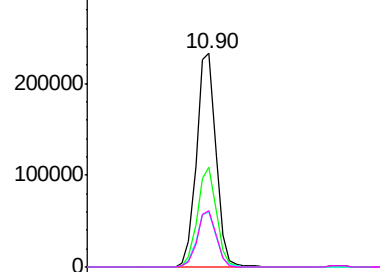
61 25.8 20.6 30.8

Abundance Ion 43.00 (42.70 to 43.70): VX0

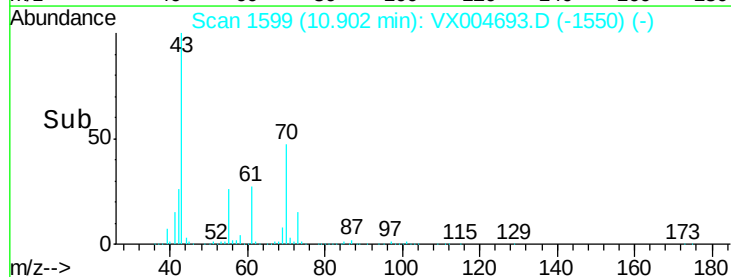
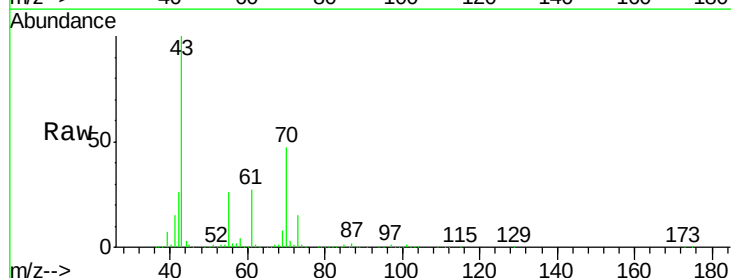
Ion 70.00 (69.70 to 70.70): VX0

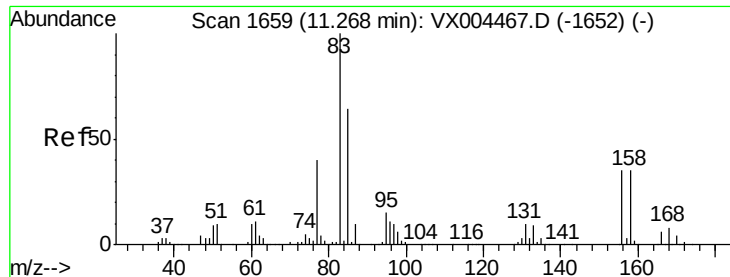
Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 42.85 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 202962

Ion Ratio Lower Upper

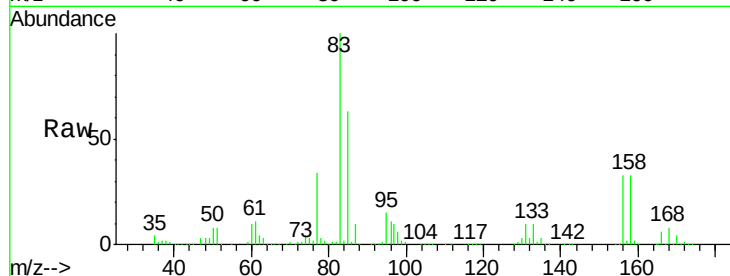
83 100

131 10.6 5.2 15.6

85 63.5 32.3 96.8

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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

11.27

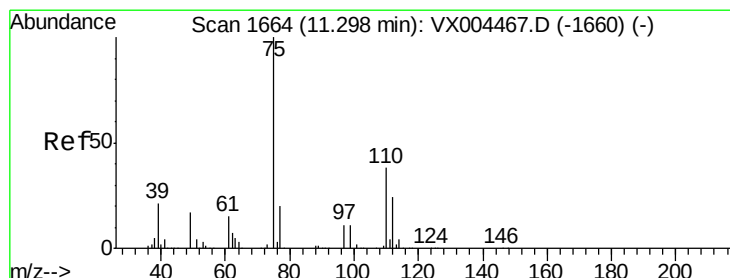
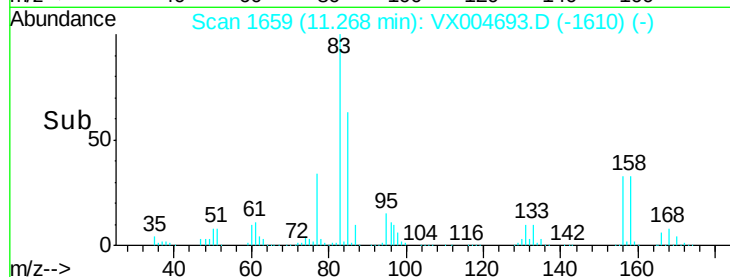
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 44.02 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX004693.D

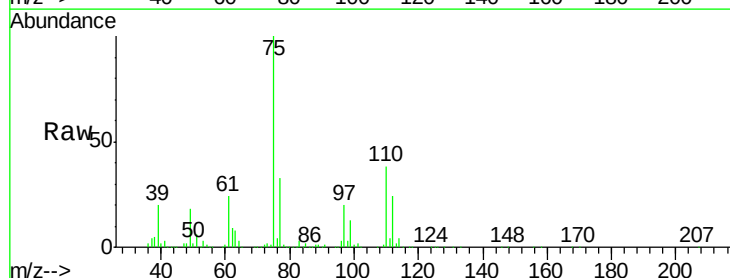
Acq: 19 Sep 2018 07:49

Tgt Ion: 75 Resp: 197459

Ion Ratio Lower Upper

75 100

77 39.1 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.30

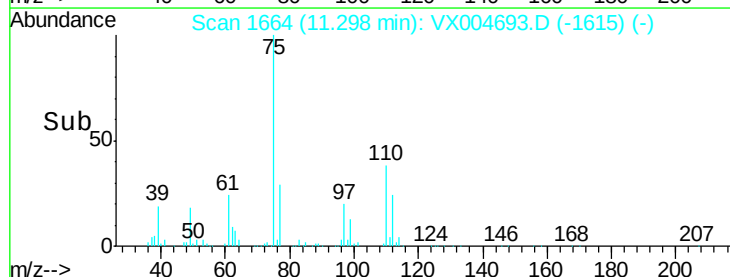
150000

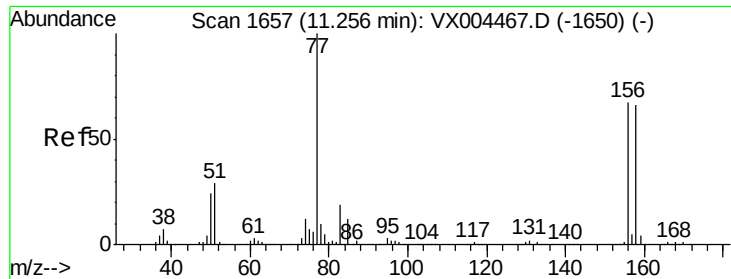
100000

50000

0

Time-->





#77

Bromobenzene

Concen: 45.80 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

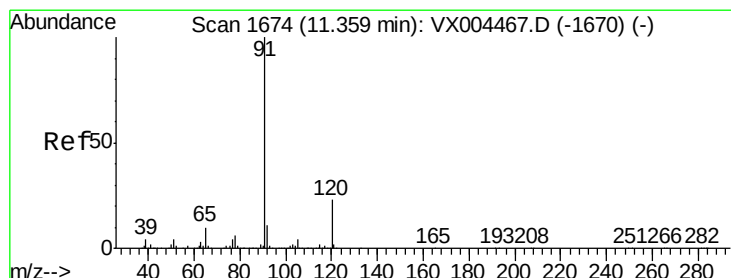
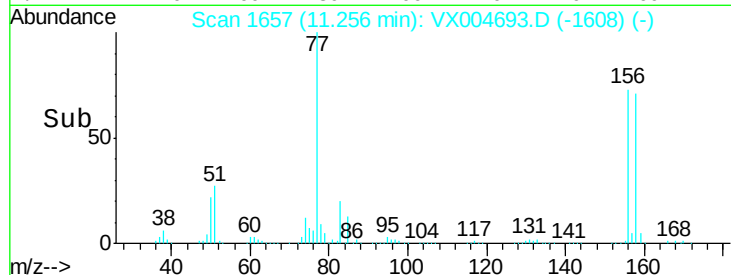
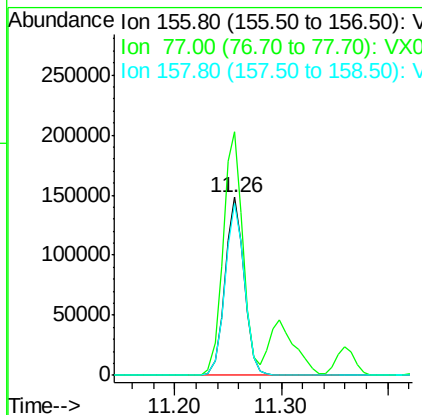
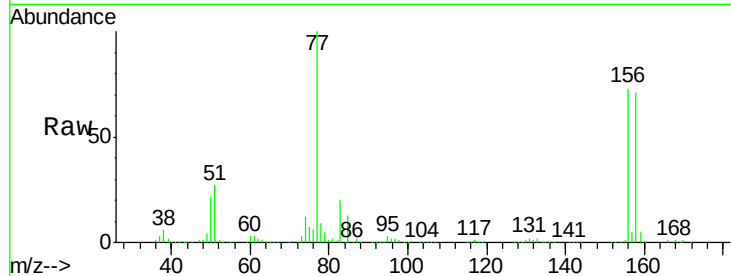
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	185882
Ion Ratio	Lower	Upper	
156	100		
77	141.3	71.5	214.3
158	98.1	48.9	146.8

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#78

n-propylbenzene

Concen: 45.90 ug/l

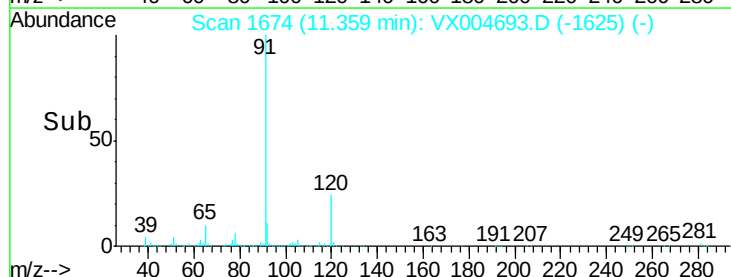
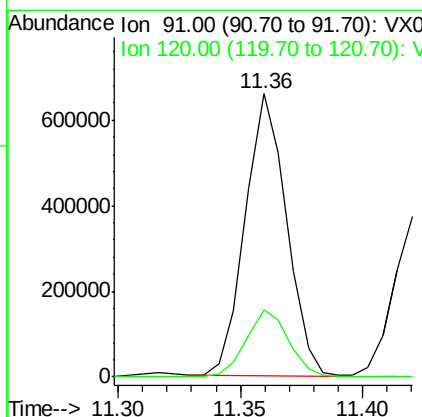
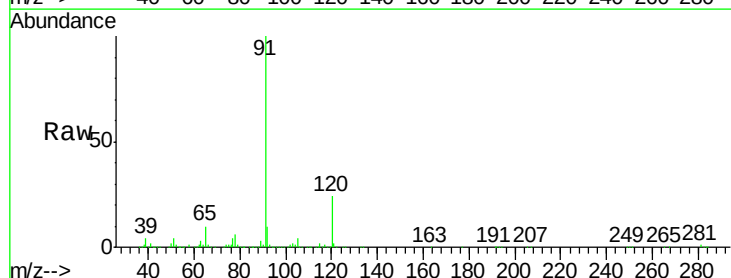
RT: 11.36 min Scan# 1674

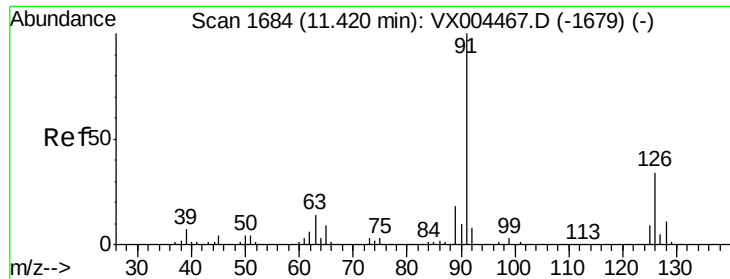
Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Tgt Ion:	91	Resp:	774946
Ion Ratio	Lower	Upper	
91	100		
120	24.3	11.9	35.9





#79

2-Chlorotoluene

Concen: 45.06 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 461400

Ion Ratio Lower Upper

91 100

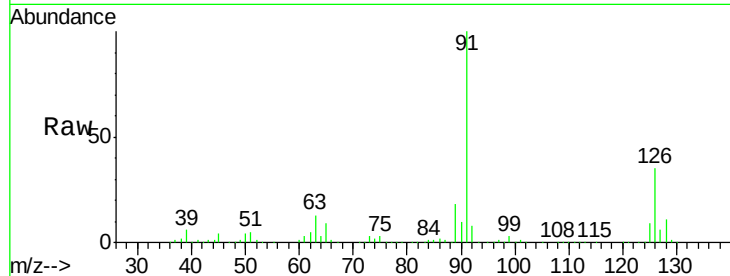
126 36.0 17.9 53.7

Manual Integrations

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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) (-)

600000

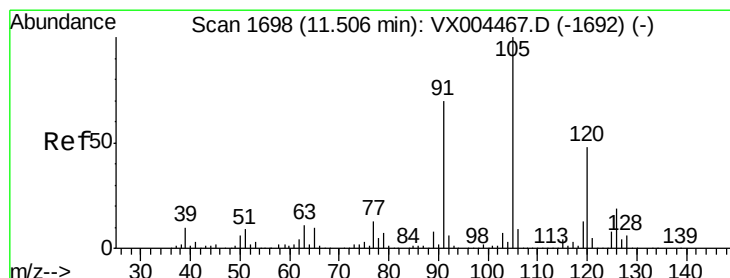
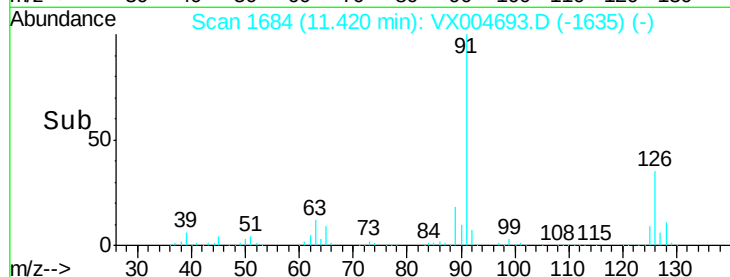
400000

200000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.79 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004693.D

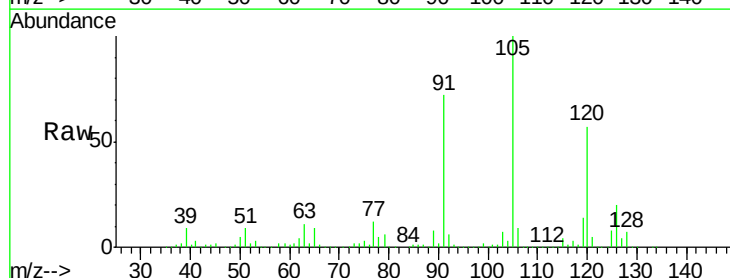
Acq: 19 Sep 2018 07:49

Tgt Ion: 105 Resp: 602220

Ion Ratio Lower Upper

105 100

120 52.5 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) (-)

600000

500000

400000

300000

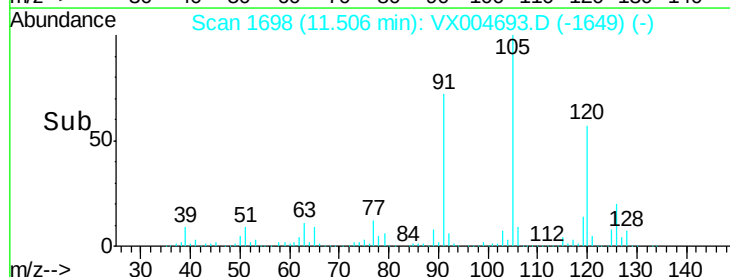
200000

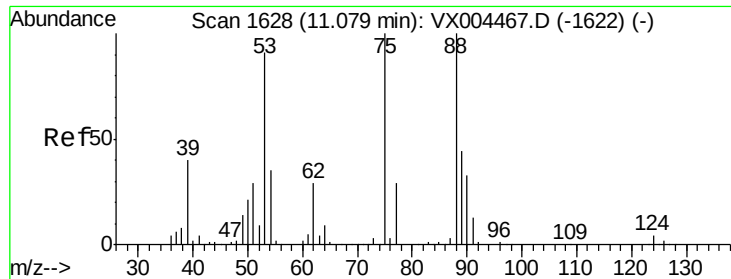
100000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 40.00 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

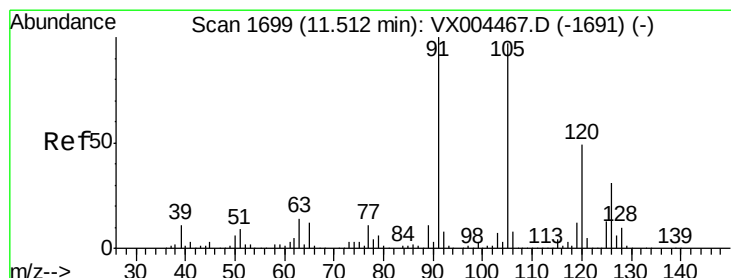
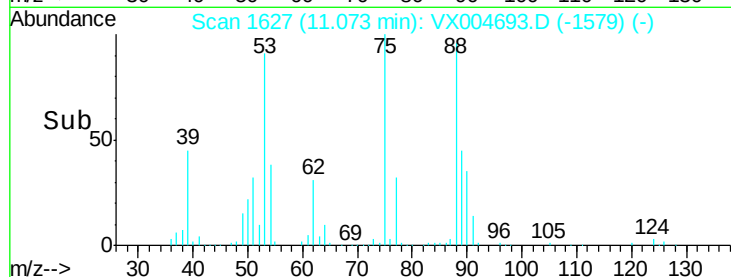
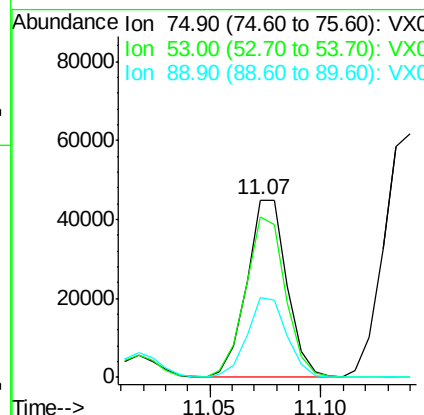
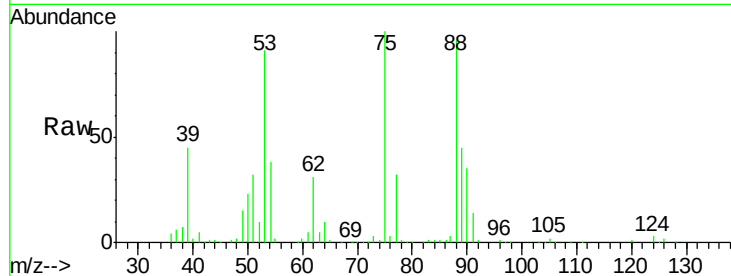
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	56285
Ion Ratio	Lower	Upper	
75	100		
53	90.5	80.1	120.1
89	44.8	37.2	55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 46.75 ug/l

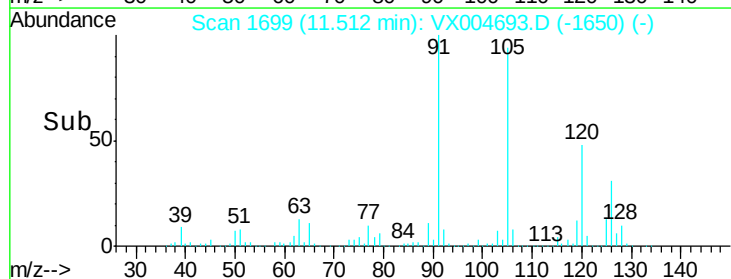
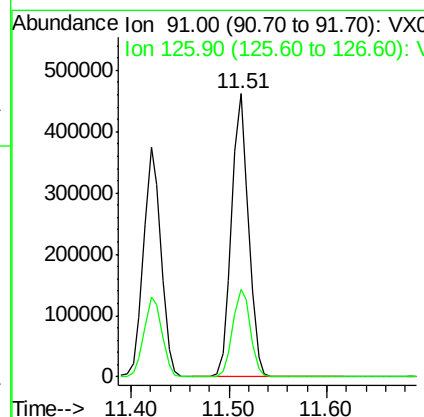
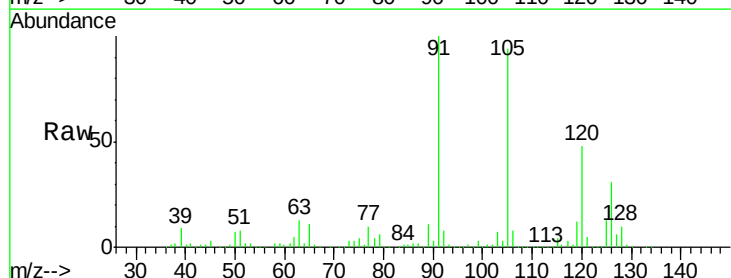
RT: 11.51 min Scan# 1699

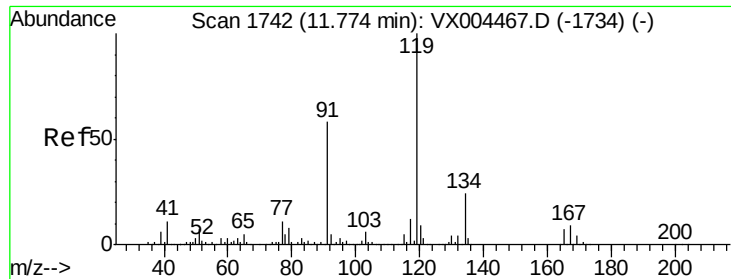
Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Tgt Ion:	91	Resp:	558634
Ion Ratio	Lower	Upper	
91	100		
126	32.2	15.5	46.5





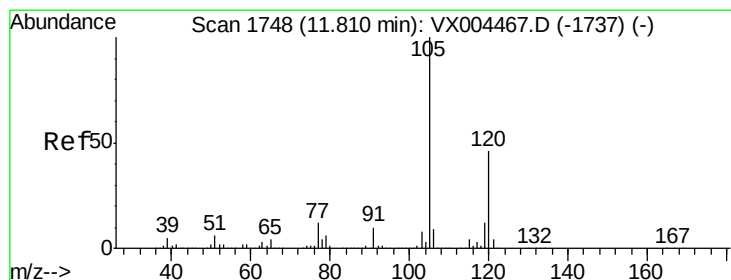
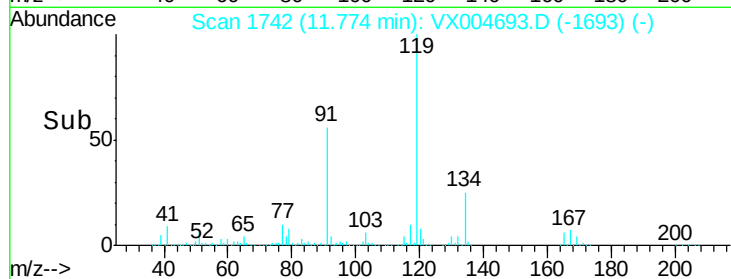
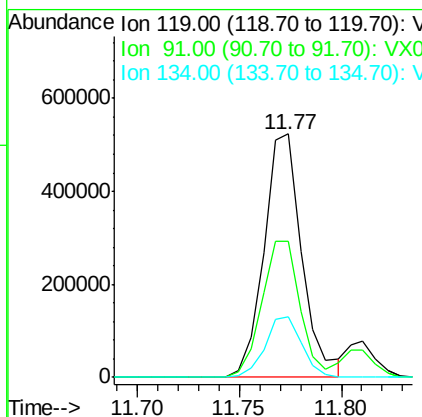
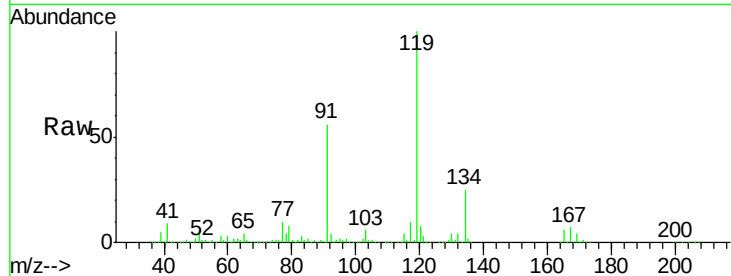
#83
 tert-Butylbenzene
 Concen: 57.70 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	678009		
91	56.4		27.0	81.0
134	24.1		11.7	35.1

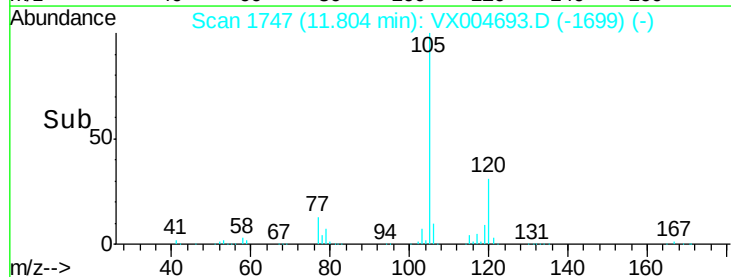
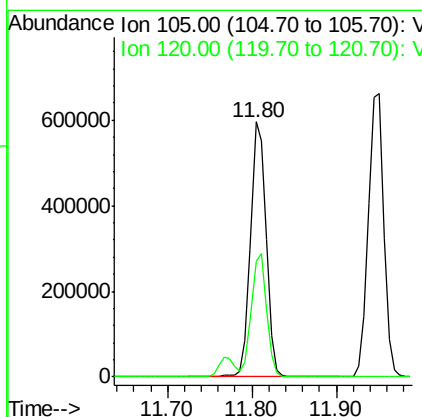
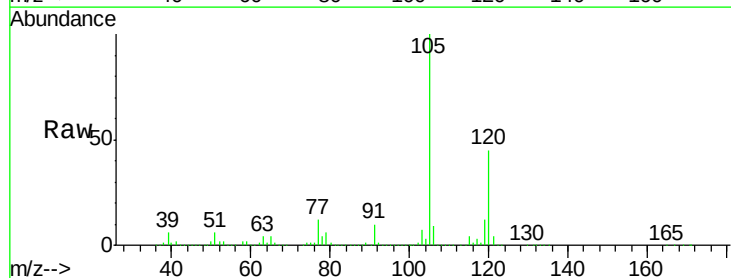
Manual Integrations
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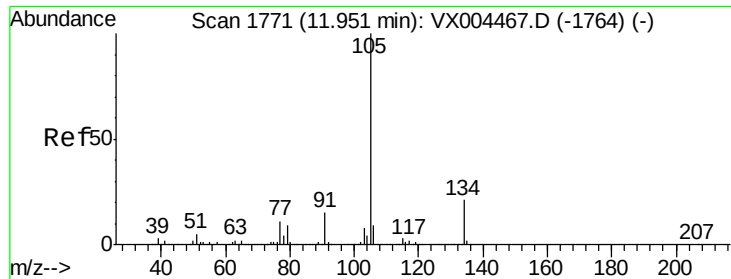
MMDadoda
 9/19/2018 6:56:58 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 57.86 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.01 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	729120		
120	47.4		23.2	69.6





#85

sec-Butylbenzene

Concen: 56.70 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 849139

Ion Ratio Lower Upper

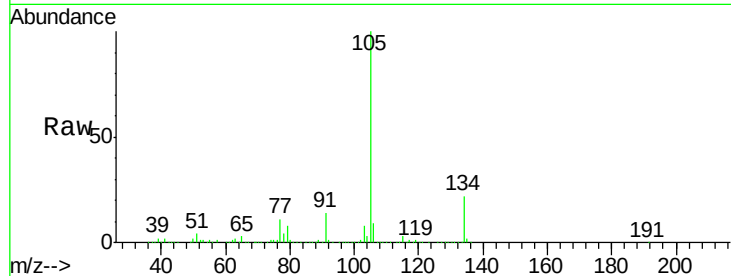
105 100

134 21.7 10.5 31.5

Manual Integrations
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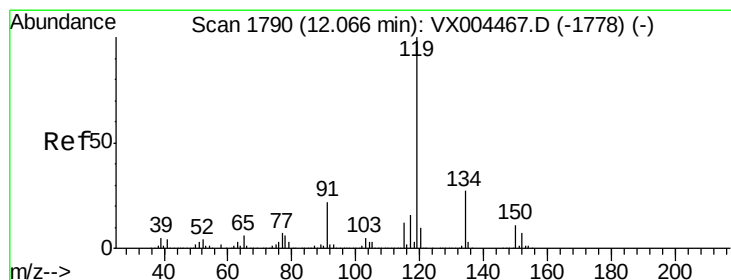
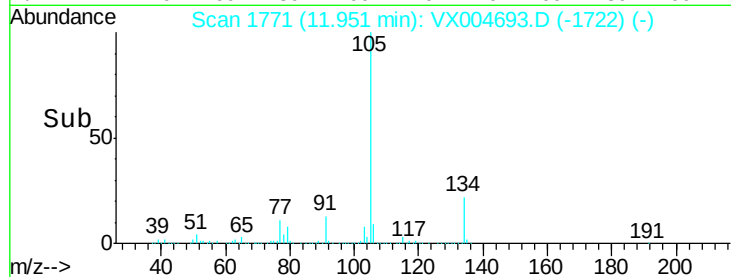
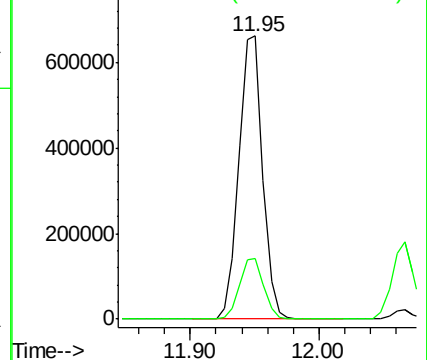
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 60.28 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004693.D

Acq: 19 Sep 2018 07:49

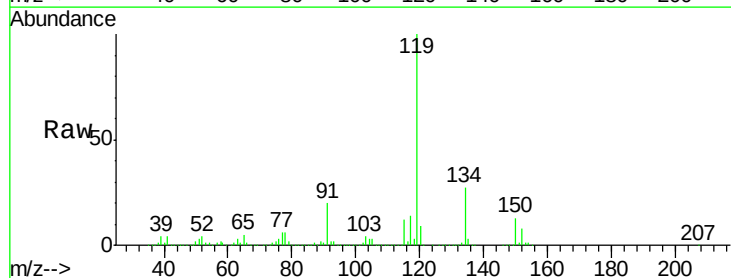
Tgt Ion:119 Resp: 797162

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.2

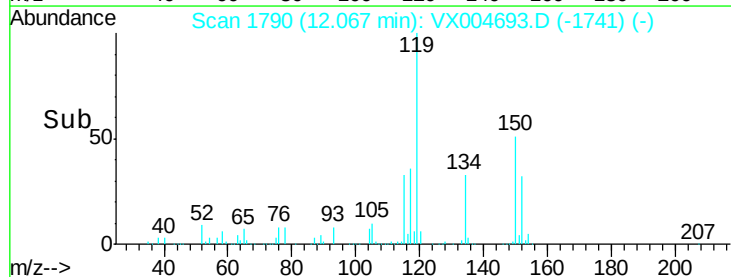
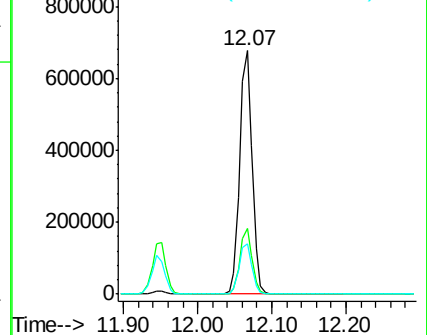
91 21.0 10.9 32.7

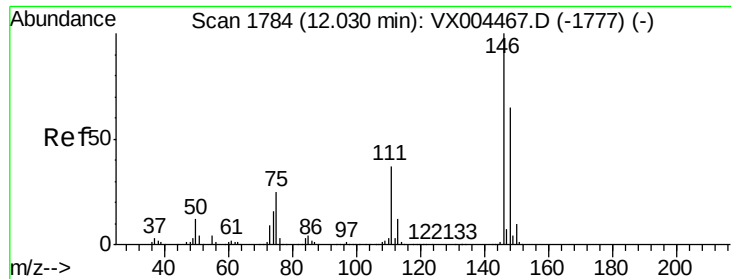


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





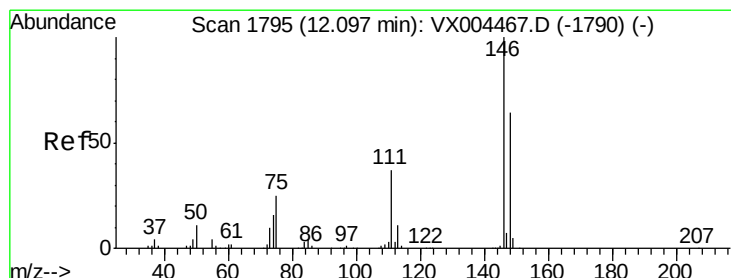
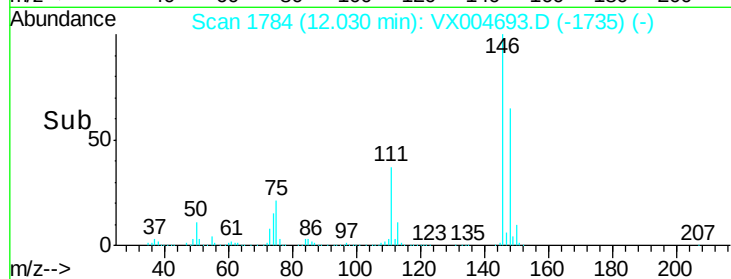
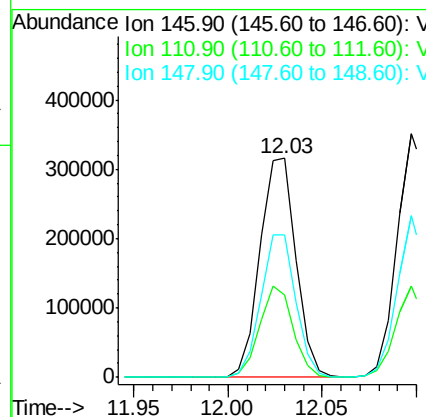
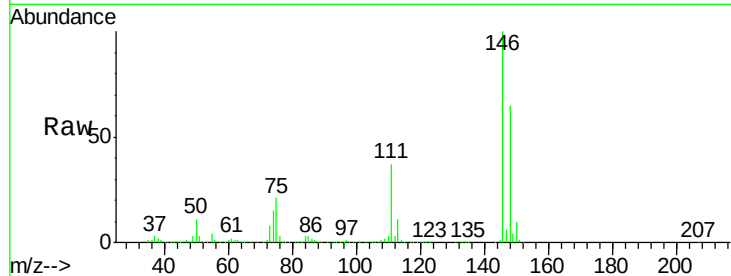
#87
 1,3-Dichlorobenzene
 Concen: 55.31 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.7	56.1
148	63.6	32.1	96.5

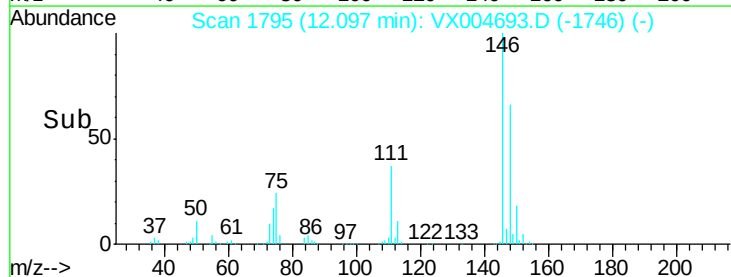
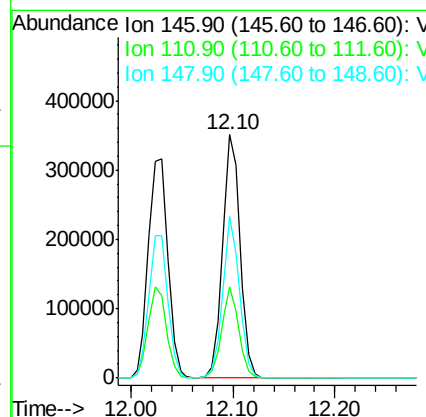
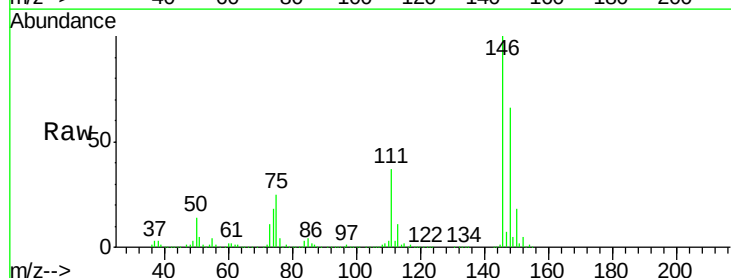
Manual Integrations
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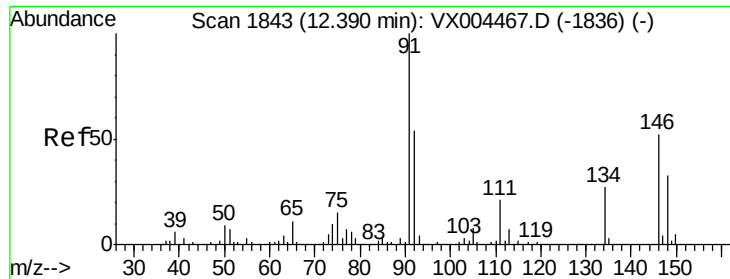
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#88
 1,4-Dichlorobenzene
 Concen: 54.60 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.1	54.1
148	63.5	32.0	96.0





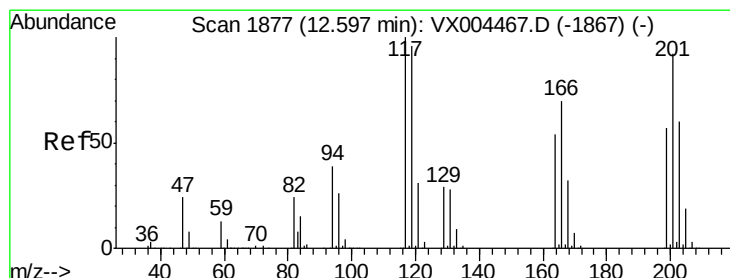
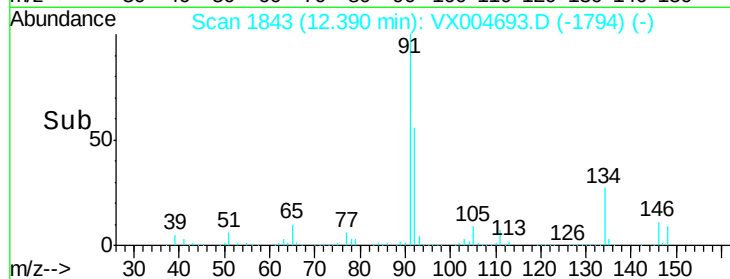
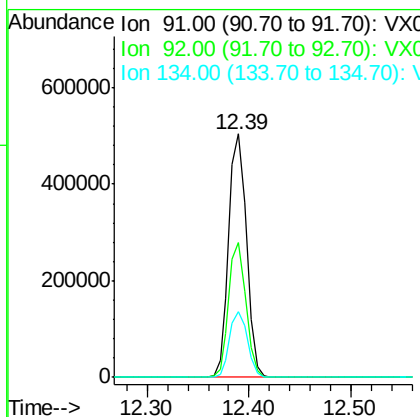
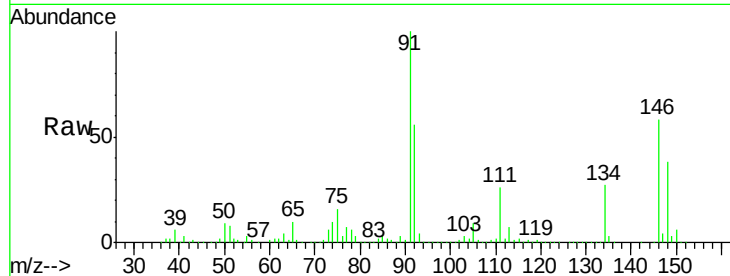
#89
n-Butylbenzene
Concen: 50.35 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	606753		
92	53.8		27.3	81.9
134	27.2		13.6	40.7

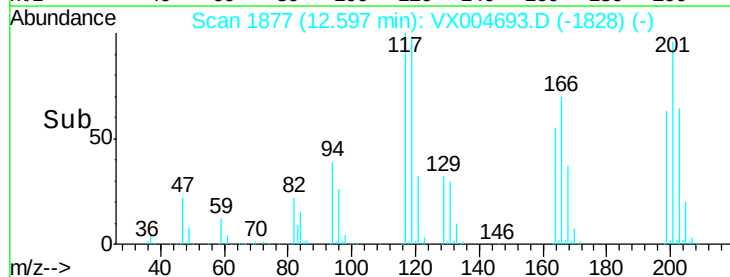
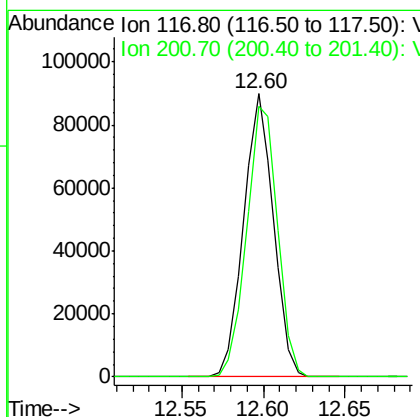
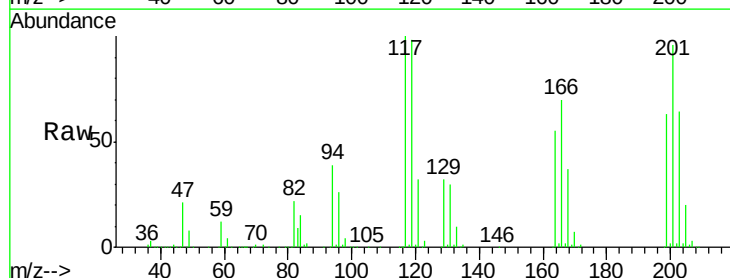
Manual Integrations
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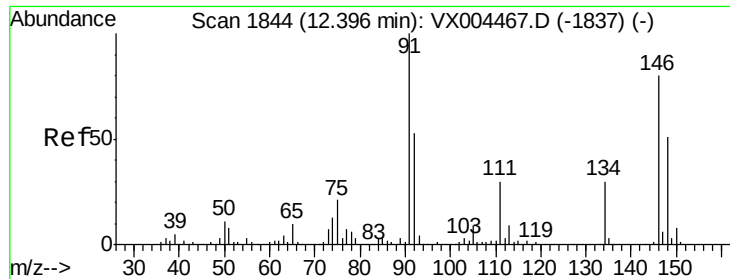
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#90
Hexachloroethane
Concen: 54.08 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	114479		
201	99.2		46.9	140.6





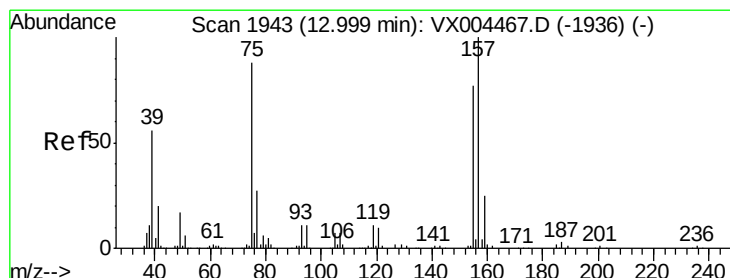
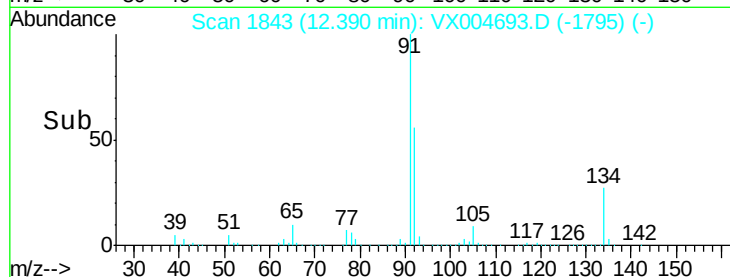
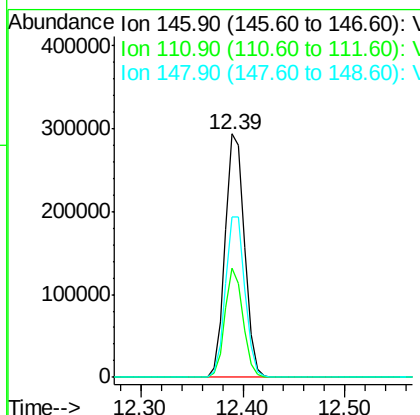
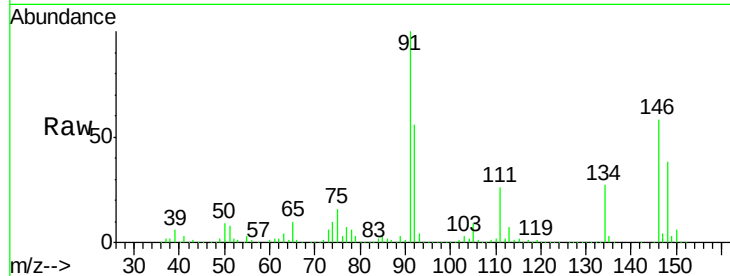
#91
 1,2-Dichlorobenzene
 Concen: 50.32 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	385668		
111	41.6	19.4	58.1	
148	66.4	32.8	98.3	

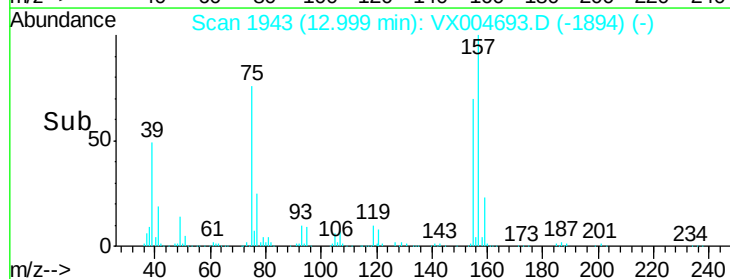
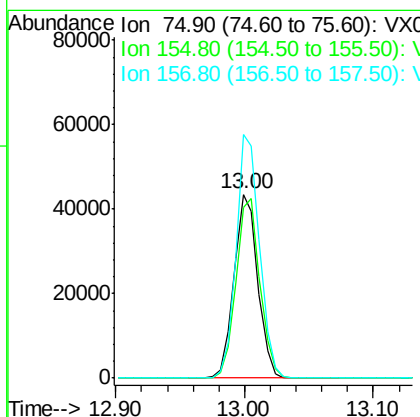
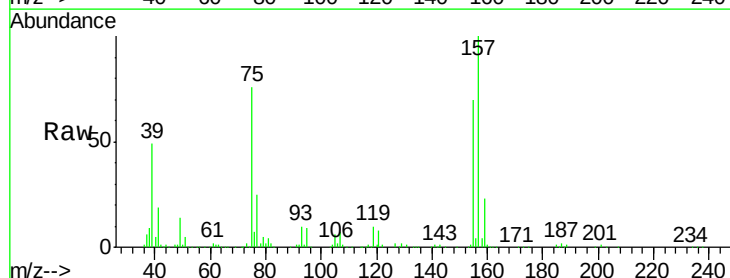
Manual Integrations
 APPROVED

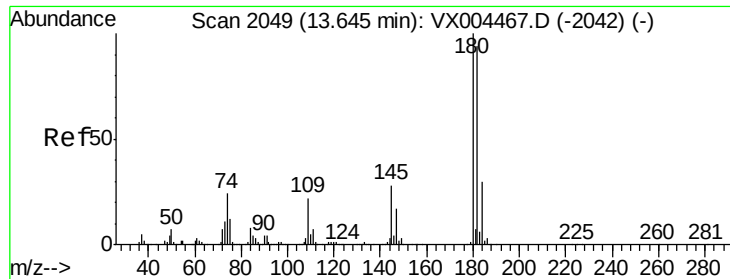
MMDadoda
 9/19/2018 6:56:58 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.16 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	55777		
155	98.2	48.0	144.2	
157	130.1	61.4	184.1	





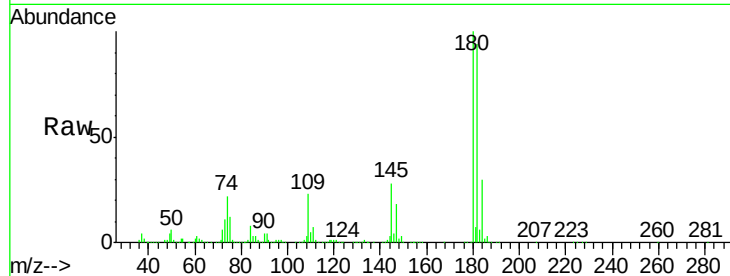
#93
 1,2,4-Trichlorobenzene
 Concen: 59.74 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

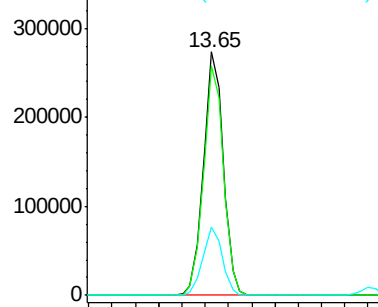
Tot Ion	Ratio	Resp	Lower	Upper
180	100	324206		
182	94.7		48.4	145.0
145	27.7		14.3	42.9

Manual Integrations
 APPROVED

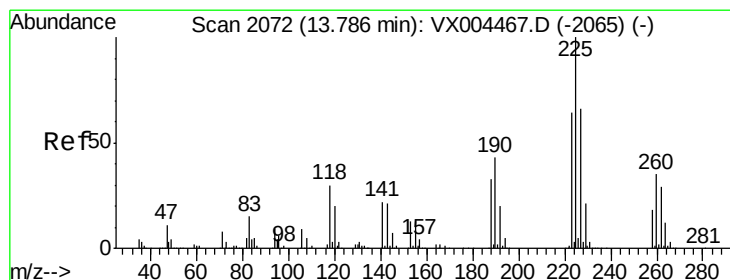
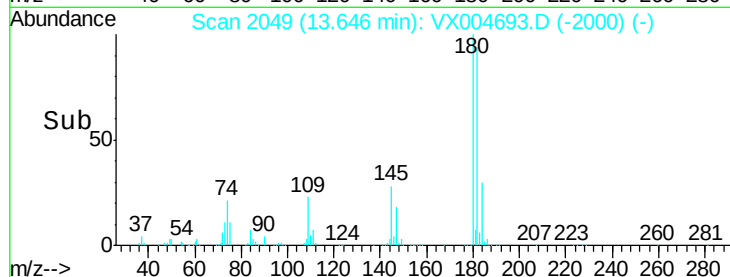
MMDadoda
 9/19/2018 6:56:58 PM



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

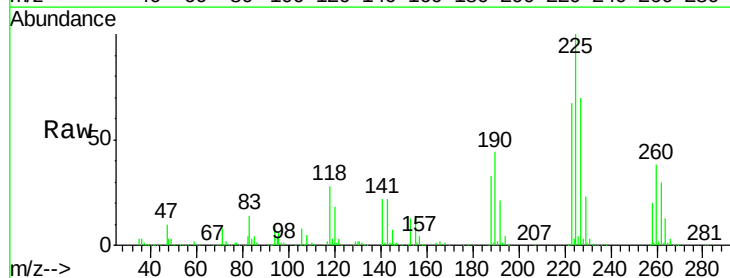


Time-->

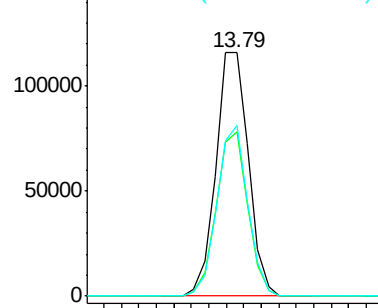


#94
 Hexachlorobutadiene
 Concen: 52.59 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004693.D
 Acq: 19 Sep 2018 07:49

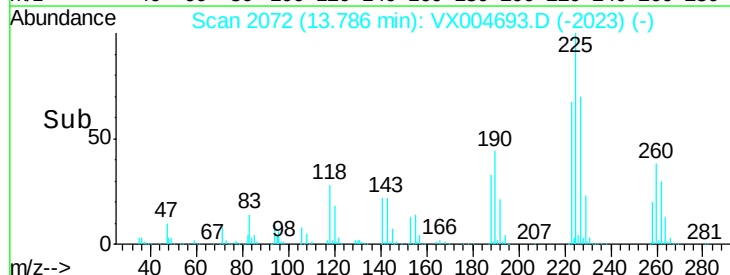
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	149058		
223	65.1		30.1	90.5
227	66.3		30.8	92.4

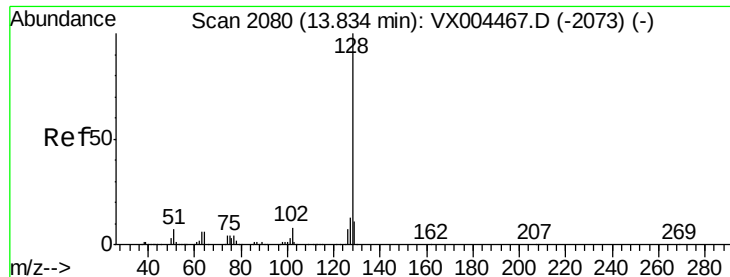


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





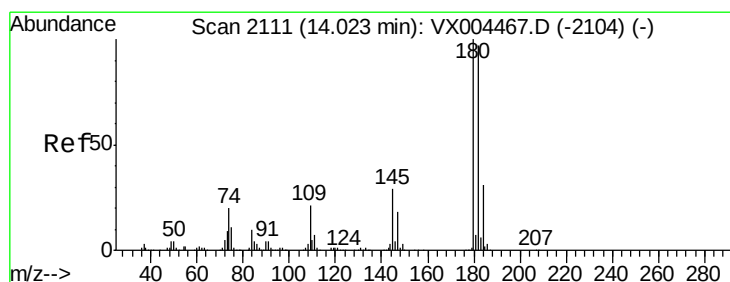
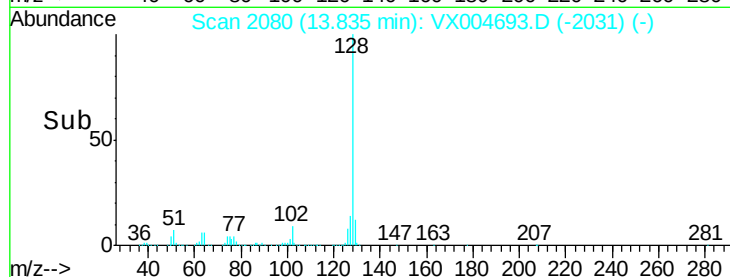
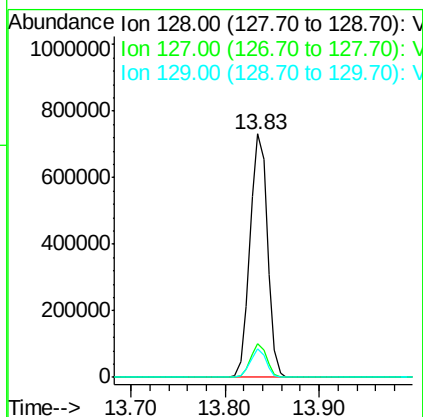
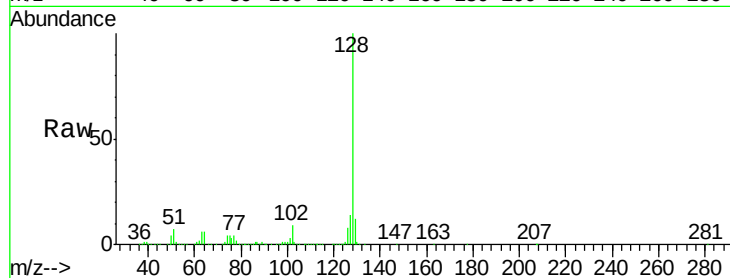
#95
Naphthalene
Concen: 62.61 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 58.32 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX004693.D
Acq: 19 Sep 2018 07:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.5	145.6
145	29.6	14.9	44.9

