

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050818\
 Data File : VX001527.D
 Acq On : 08 May 2018 21:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/10/2018 1:11:27 PM

Quant Time: May 09 07:37:04 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	228153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	299503	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	287490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	211883	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	161258	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
35) Dibromofluoromethane	5.51	113	131107	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	8.72	98	481749	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
62) 4-Bromofluorobenzene	11.14	95	183475	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	160798	52.35	ug/l	100
3) Chloromethane	1.32	50	150680	50.37	ug/l	99
4) Vinyl Chloride	1.40	62	159588	51.12	ug/l	99
5) Bromomethane	1.64	94	70564	49.34	ug/l	100
6) Chloroethane	1.72	64	109088	52.87	ug/l	99
7) Trichlorofluoromethane	1.92	101	248575	52.91	ug/l	100
8) Diethyl Ether	2.19	74	96712	52.52	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	141925	51.53	ug/l	100
10) Methyl Iodide	2.51	142	197533	49.70	ug/l	100
11) Tert butyl alcohol	3.09	59	194037	280.64	ug/l	99
12) 1,1-Dichloroethene	2.37	96	133059	52.70	ug/l	97
13) Acrolein	2.30	56	34520	253.43	ug/l	98
14) Allyl chloride	2.73	41	249288	52.96	ug/l	99
15) Acrylonitrile	3.15	53	428876	274.50	ug/l	99
16) Acetone	2.45	43	394435	264.89	ug/l	98
17) Carbon Disulfide	2.57	76	323836	50.40	ug/l	100
18) Methyl Acetate	2.78	43	228335	58.37	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	470744	53.56	ug/l	99
20) Methylene Chloride	2.86	84	149432	50.68	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	142892	50.72	ug/l	97
22) Diisopropyl ether	3.88	45	457814	52.05	ug/l	99
23) Vinyl Acetate	3.83	43	1888984	257.72	ug/l	100
24) 1,1-Dichloroethane	3.70	63	266254	54.20	ug/l	99
25) 2-Butanone	4.72	43	586052	272.27	ug/l	99
26) 2,2-Dichloropropane	4.59	77	168060	44.30	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	157212	52.39	ug/l	95
28) Bromochloromethane	5.03	49	109694	51.50	ug/l	98
29) Tetrahydrofuran	5.18	42	378229	274.64	ug/l	100
30) Chloroform	5.22	83	276703	54.68	ug/l	98
31) Cyclohexane	5.57	56	219482	52.02	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	244864	55.36	ug/l	99
36) 1,1-Dichloropropene	5.80	75	195736	51.38	ug/l	99
37) Ethyl Acetate	4.87	43	222341	53.24	ug/l	99
38) Carbon Tetrachloride	5.79	117	221123	54.42	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	228192	50.66	ug/l	98
40) Benzene	6.15	78	591994	53.20	ug/l	99
41) Methacrylonitrile	5.07	41	128304	53.70	ug/l	98
42) 1,2-Dichloroethane	6.20	62	227995	53.31	ug/l	100
43) Isopropyl Acetate	6.48	43	354088	55.23	ug/l	100
44) Trichloroethene	7.22	130	179120	52.66	ug/l	100
45) 1,2-Dichloropropane	7.53	63	148395	53.49	ug/l	99
46) Dibromomethane	7.67	93	105216	53.57	ug/l	99
47) Bromodichloromethane	7.91	83	203134	55.89	ug/l	100
48) Methyl methacrylate	7.79	41	190567	54.59	ug/l	99
49) 1,4-Dioxane	7.76	88	84386	1118.88	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	1212617	284.64	ug/l	99
52) Toluene	8.79	92	393160	54.03	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	229686	55.92	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	206294	48.64	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	155658	53.10	ug/l	98
56) Ethyl methacrylate	9.19	69	234173	55.42	ug/l	100
57) 1,3-Dichloropropane	9.38	76	259421	53.52	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	591433	285.36	ug/l	99
59) 2-Hexanone	9.51	43	919610	281.89	ug/l	99
60) Dibromochloromethane	9.59	129	171787	57.23	ug/l	99
61) 1,2-Dibromoethane	9.68	107	168430	54.72	ug/l	100
64) Tetrachloroethene	9.34	164	218524	54.53	ug/l	99
65) Chlorobenzene	10.15	112	444625	52.73	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	166545	55.22	ug/l	99
67) Ethyl Benzene	10.26	91	737700	53.38	ug/l	99
68) m/p-Xylenes	10.37	106	593614	108.71	ug/l	100
69) o-Xylene	10.71	106	291158	54.86	ug/l	100
70) Styrene	10.72	104	482561	55.97	ug/l	99
71) Bromoform	10.87	173	140750	48.63	ug/l #	100
73) Isopropylbenzene	11.02	105	777915	53.03	ug/l	99
74) N-amyl acetate	6.48	43	354088	53.15	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	228071	52.65	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	226371m	52.68	ug/l	
77) Bromobenzene	11.26	156	219326	51.43	ug/l	99
78) n-propylbenzene	11.37	91	858866	53.77	ug/l	99
79) 2-Chlorotoluene	11.43	91	513938	52.29	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	650755	53.29	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	61117	45.75	ug/l	98
82) 4-Chlorotoluene	11.52	91	600705	52.98	ug/l	100
83) tert-Butylbenzene	11.77	119	650078	53.50	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	674375	53.73	ug/l	99
85) sec-Butylbenzene	11.95	105	787692	54.01	ug/l	99
86) p-Isopropyltoluene	12.07	119	723567	54.08	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	393858	51.67	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	401383	51.62	ug/l	100
89) n-Butylbenzene	12.40	91	584856	52.75	ug/l	100
90) Hexachloroethane	12.60	117	111779	55.48	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	404612	52.17	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	55130	57.92	ug/l	99

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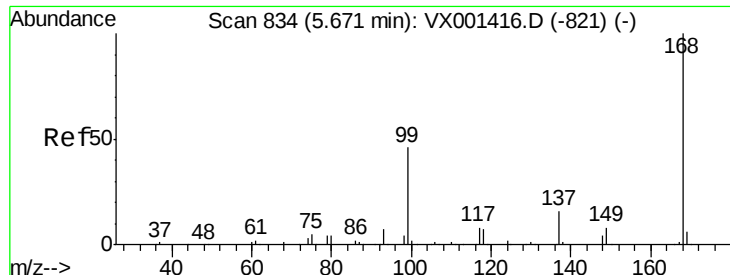
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	297069	52.34	ug/l	99
94) Hexachlorobutadiene	13.79	225	155672	50.13	ug/l	100
95) Naphthalene	13.84	128	878441	55.97	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	314388	53.99	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 228153

Ion Ratio Lower Upper

168 100

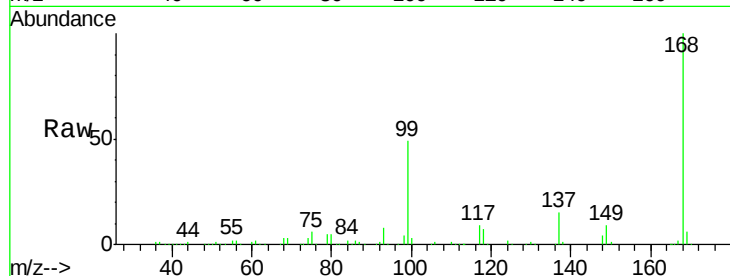
99 48.5 36.6 54.8

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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

80000

60000

40000

20000

0

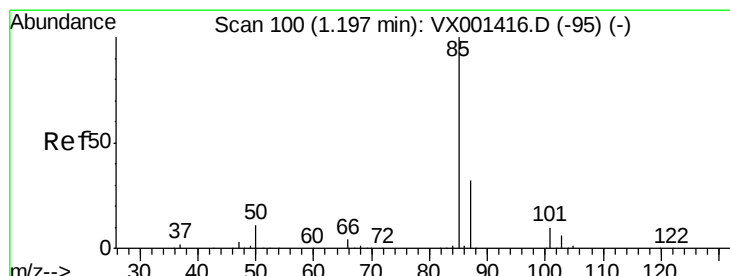
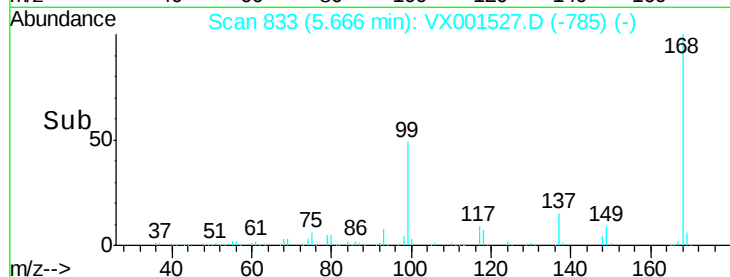
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 52.35 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001527.D

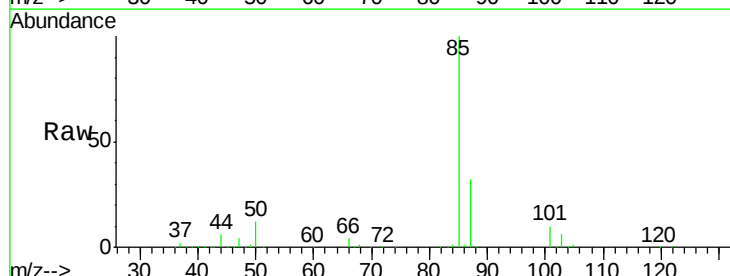
Acq: 08 May 2018 21:08

Tgt Ion: 85 Resp: 160798

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

100000

50000

0

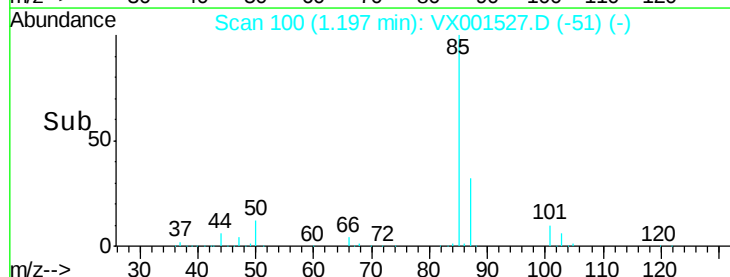
Time-->

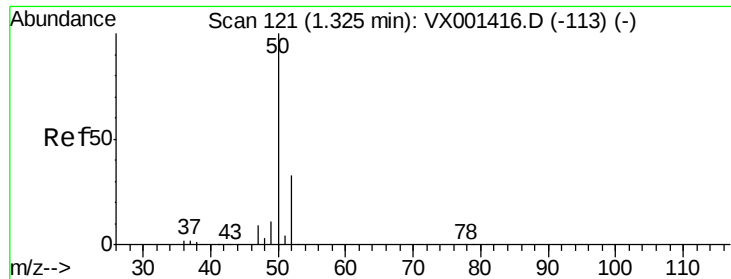
1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 50.37 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 150680

Ion Ratio Lower Upper

50 100

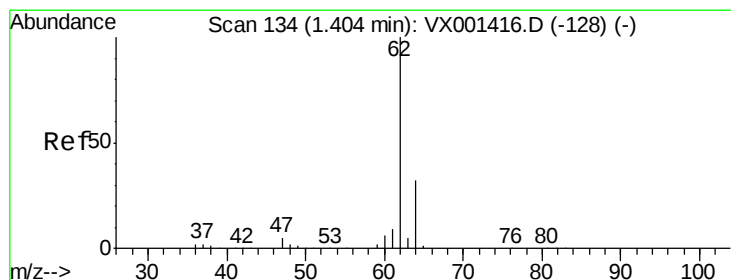
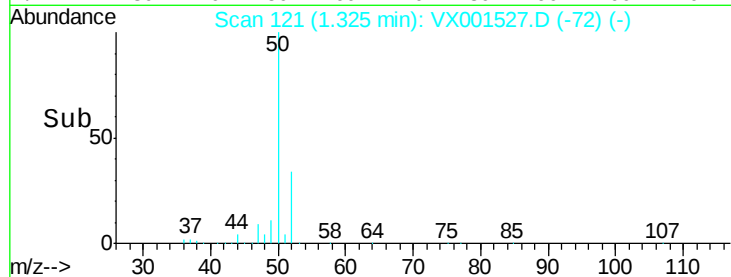
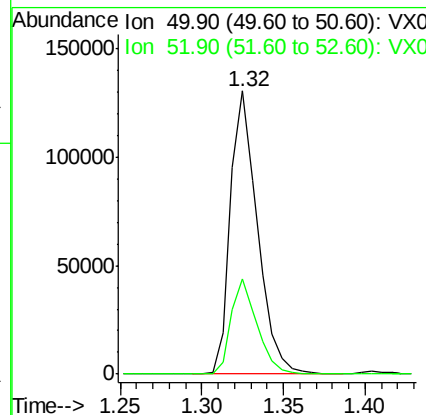
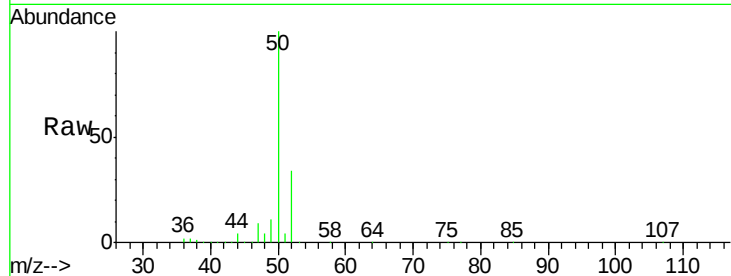
52 33.6 26.2 39.4

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#4

Vinyl Chloride

Concen: 51.12 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001527.D

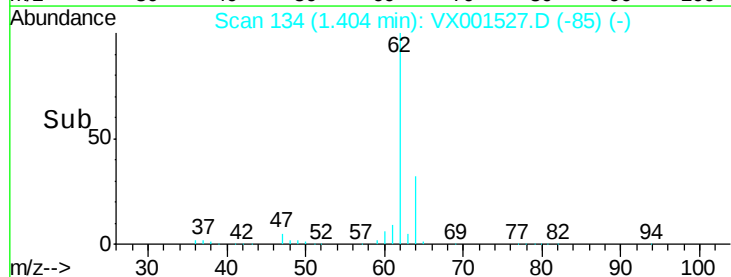
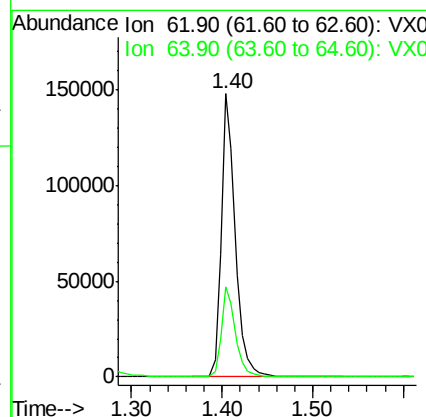
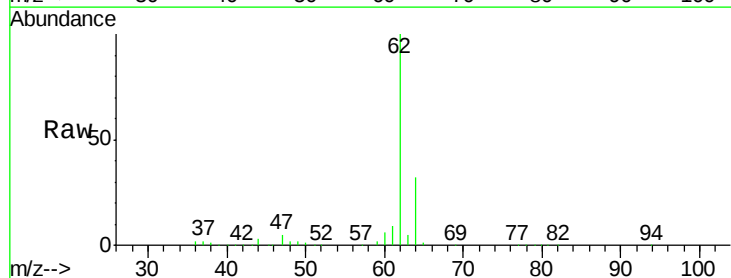
Acq: 08 May 2018 21:08

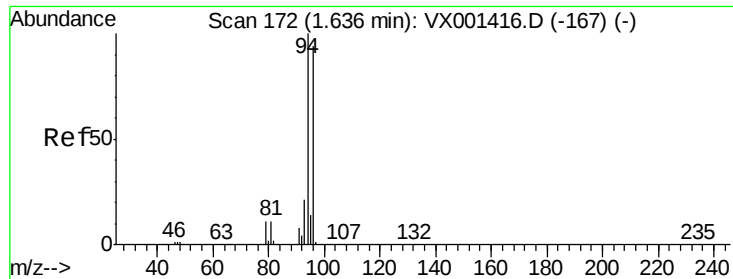
Tgt Ion: 62 Resp: 159588

Ion Ratio Lower Upper

62 100

64 31.8 25.8 38.6





#5

Bromomethane

Concen: 49.34 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 70564

Ion Ratio Lower Upper

94 100

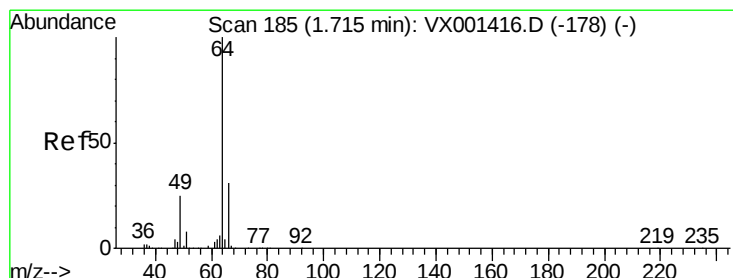
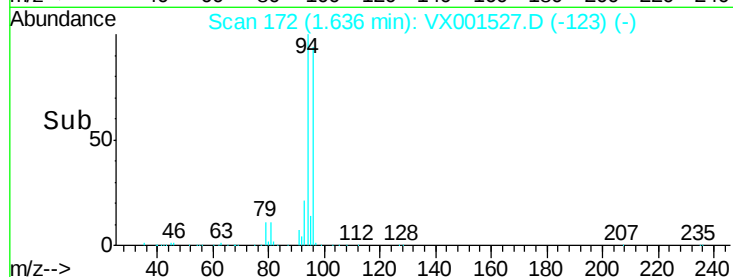
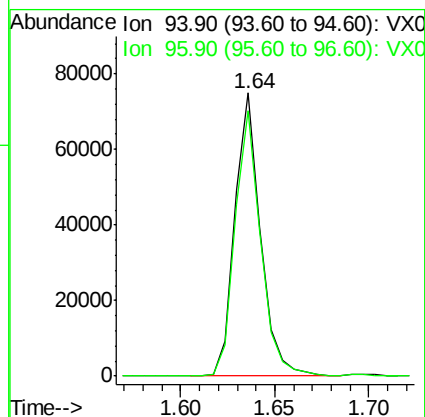
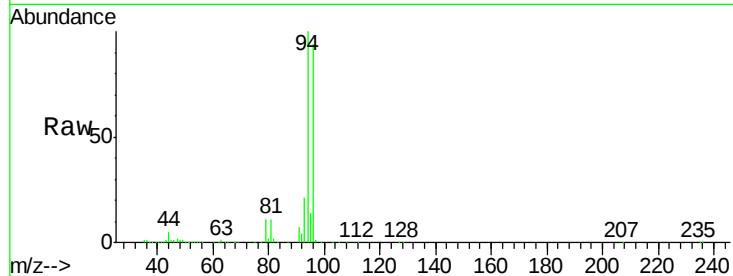
96 93.7 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 52.87 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX001527.D

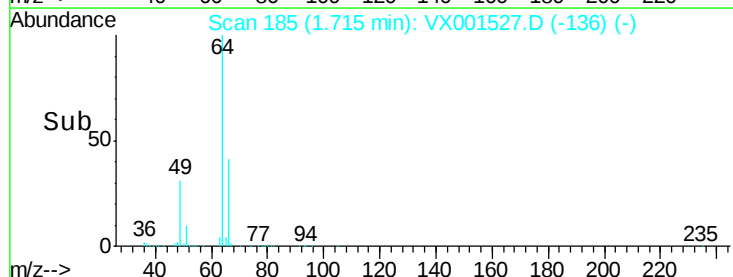
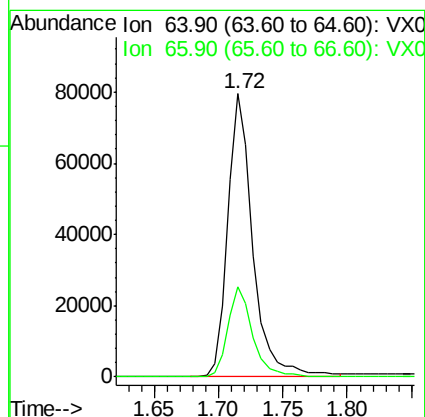
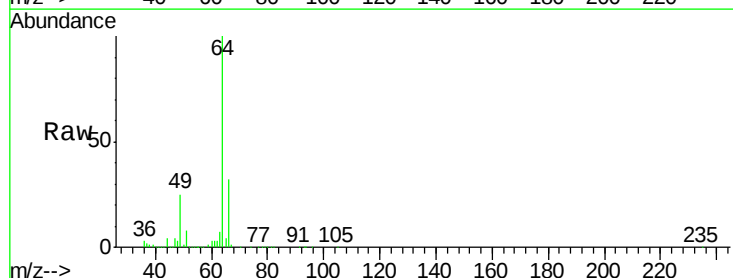
Acq: 08 May 2018 21:08

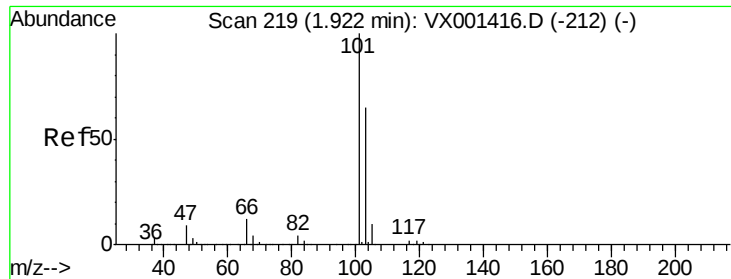
Tgt Ion: 64 Resp: 109088

Ion Ratio Lower Upper

64 100

66 32.0 25.1 37.7





#7

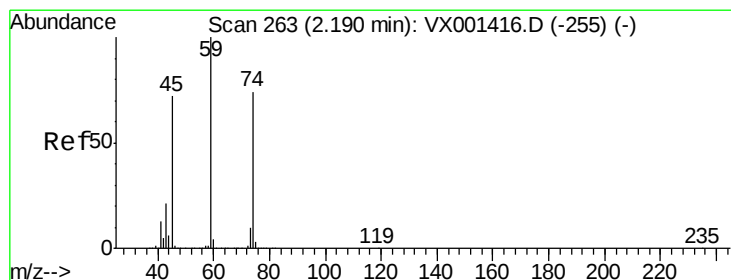
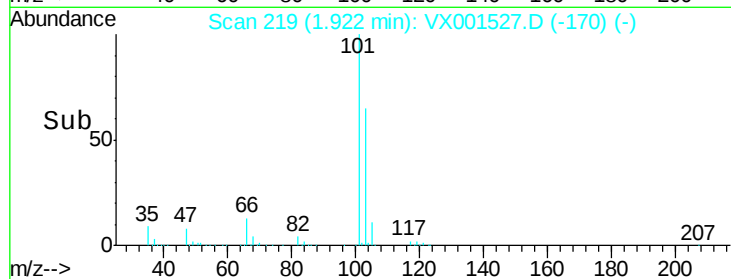
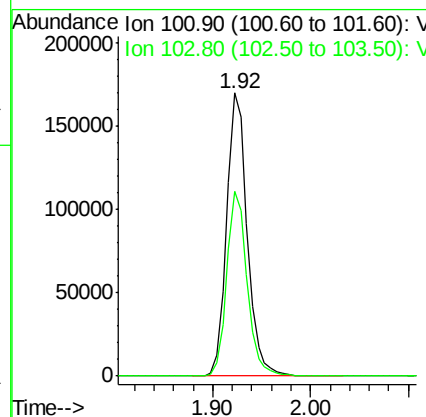
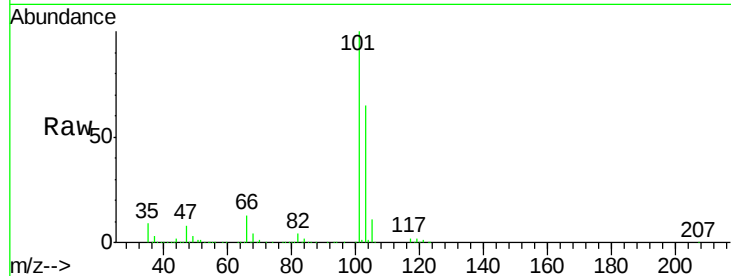
Trichlorofluoromethane
 Concen: 52.91 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VX001527.D
 Acq: 08 May 2018 21:08

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.0	78.0

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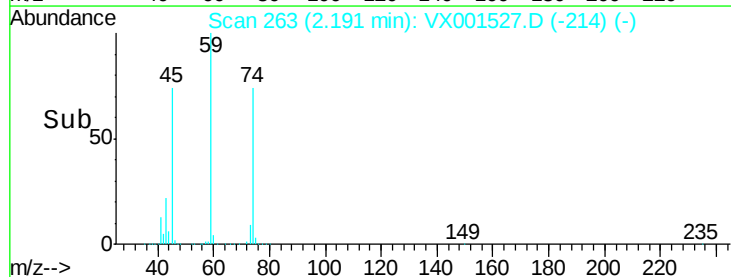
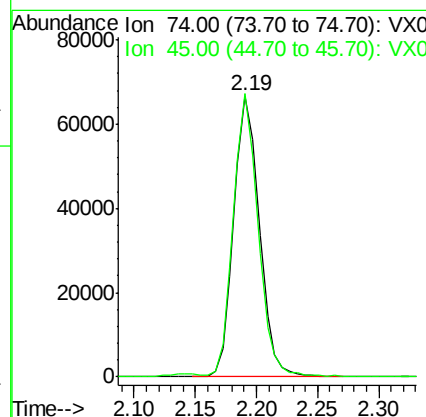
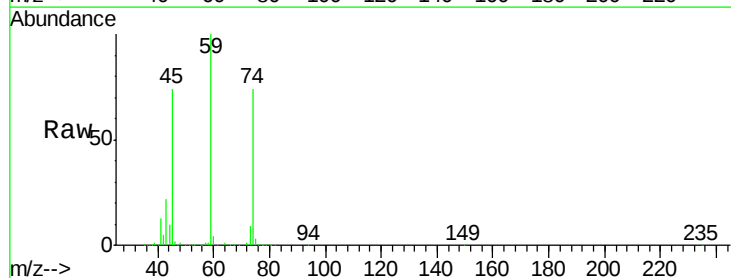
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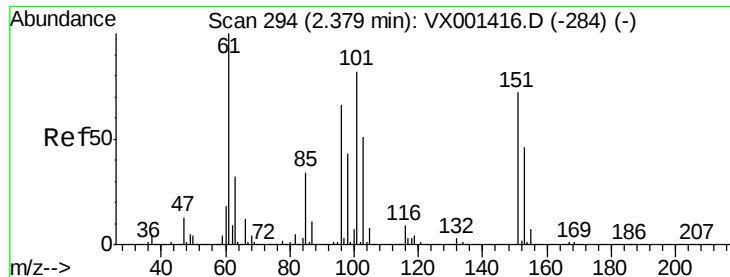


#8

Diethyl Ether
 Concen: 52.52 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX001527.D
 Acq: 08 May 2018 21:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.2	47.9	143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.53 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

Instrument :

MSVOA_X

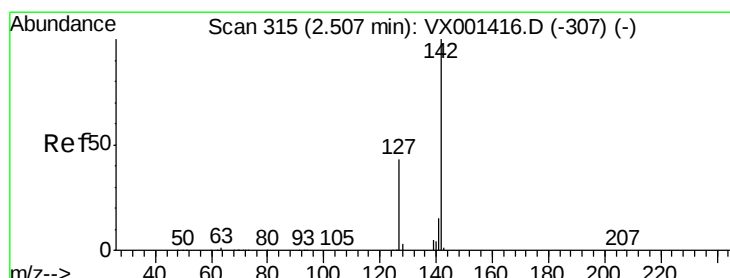
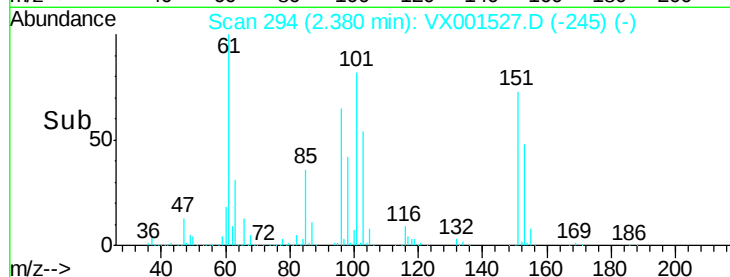
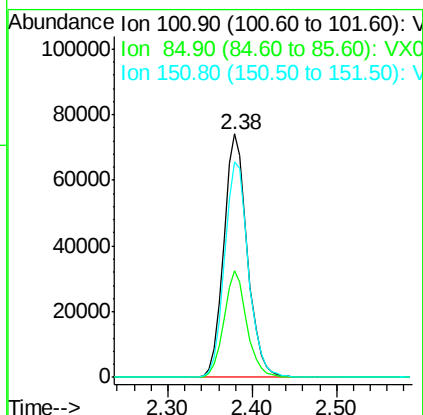
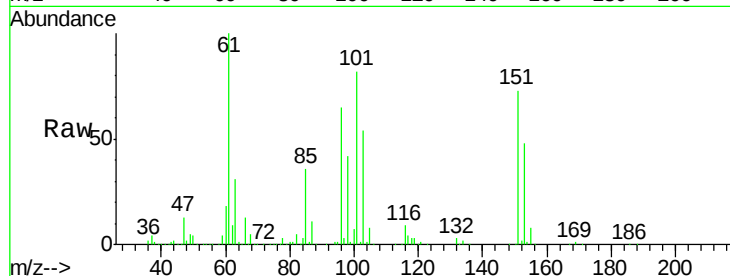
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	141925
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.7	50.5
151	89.9	72.3	108.5

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#10

Methyl Iodide

Concen: 49.70 ug/l

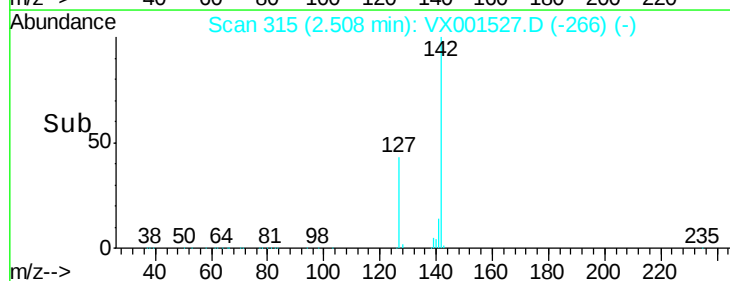
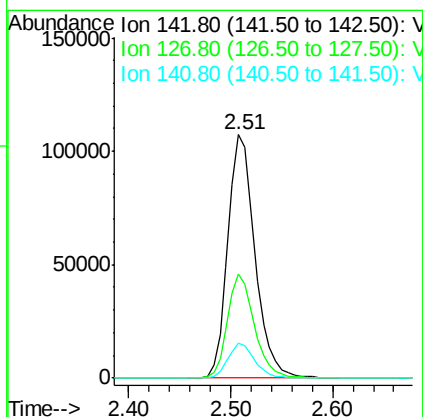
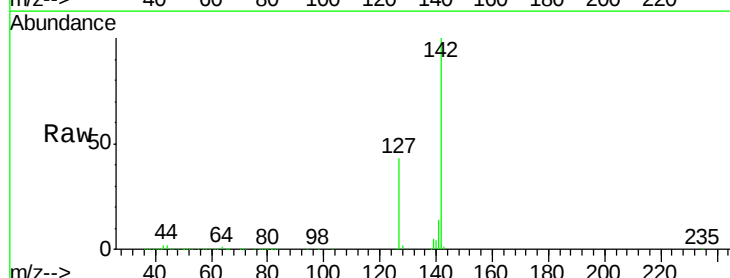
RT: 2.51 min Scan# 315

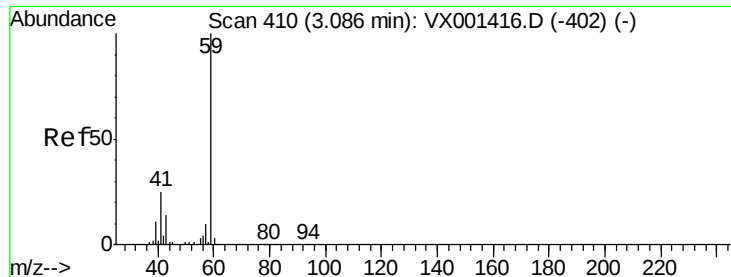
Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

Tgt Ion:	142	Resp:	197533
Ion Ratio	Lower	Upper	
142	100		
127	42.1	33.6	50.4
141	14.2	11.4	17.2





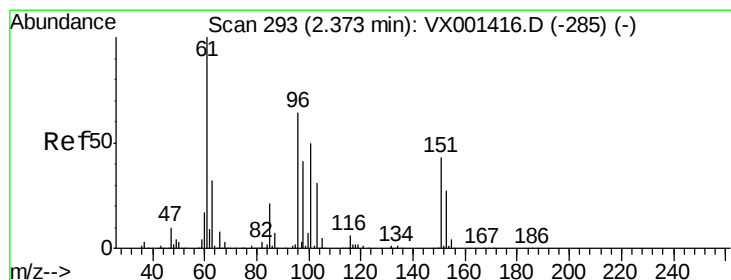
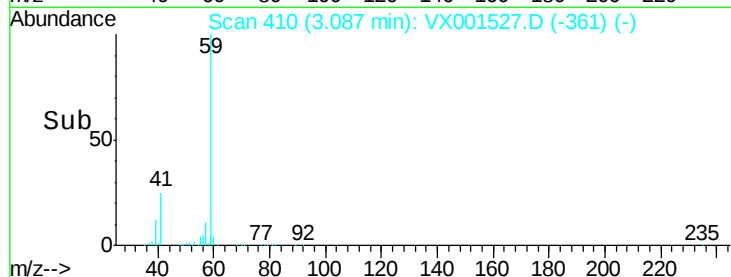
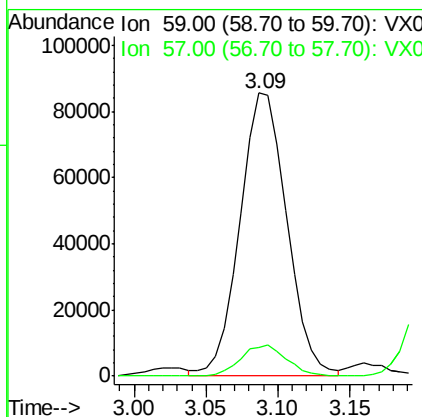
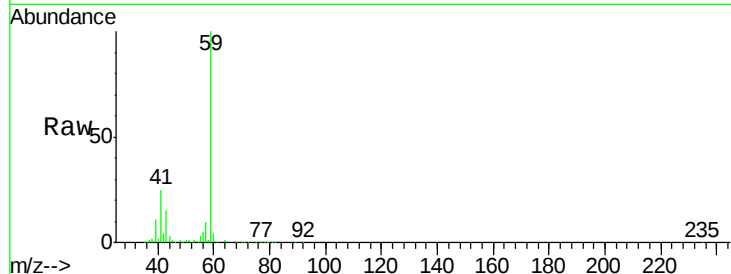
#11
Tert butyl alcohol
Concen: 280.64 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.4

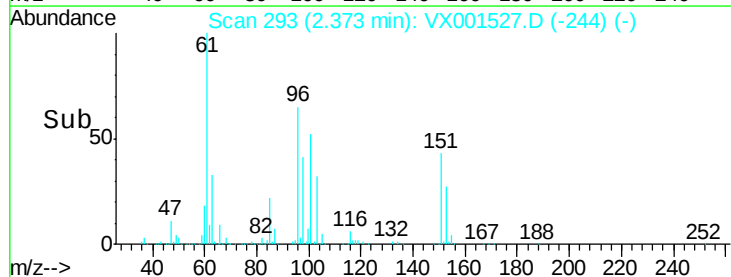
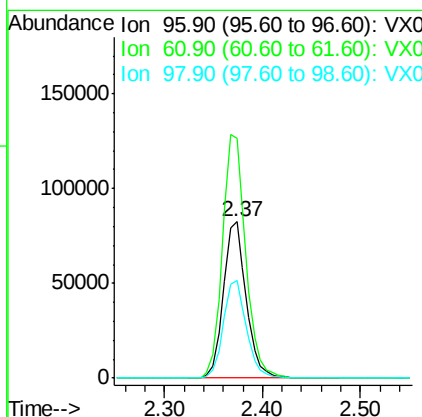
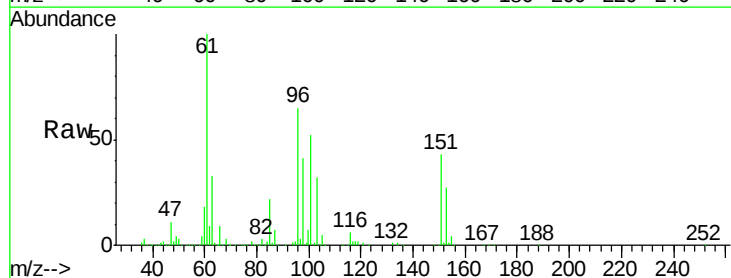
Manual Integrations
APPROVED

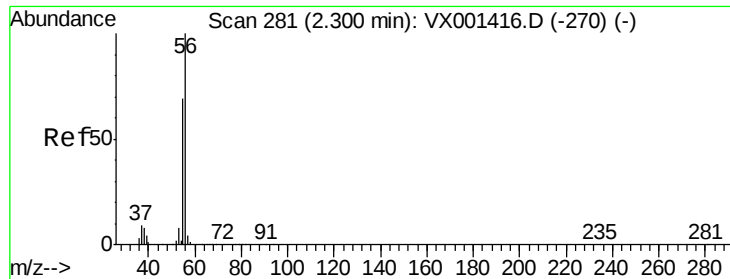
MMDadoda
5/10/2018 1:11:27 PM



#12
1,1-Dichloroethene
Concen: 52.70 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.4	125.7	188.5
98	63.0	52.0	78.0





#13

Acrolein

Concen: 253.43 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 34520

Ion Ratio Lower Upper

56 100

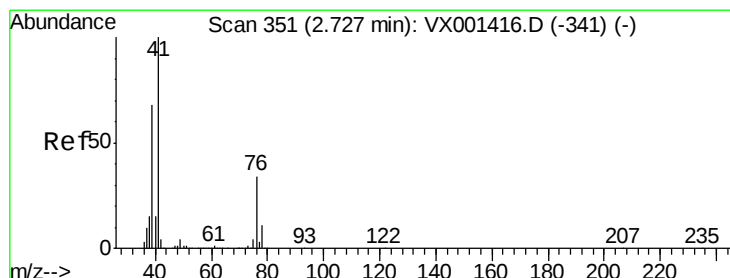
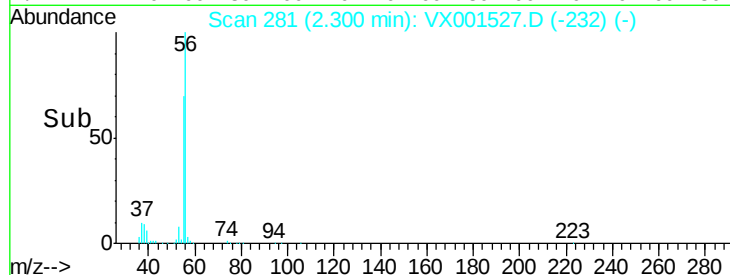
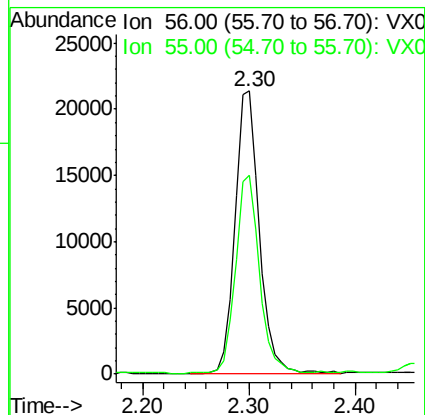
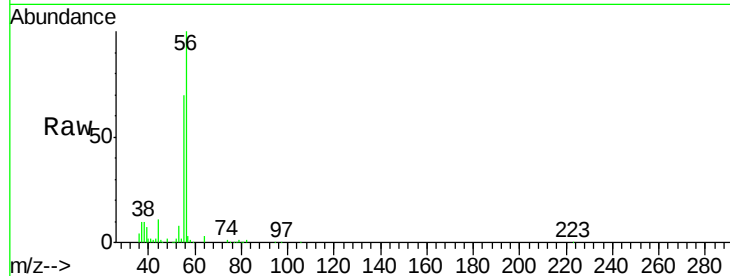
55 70.1 54.5 81.7

Manual Integrations

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#14

Allyl chloride

Concen: 52.96 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

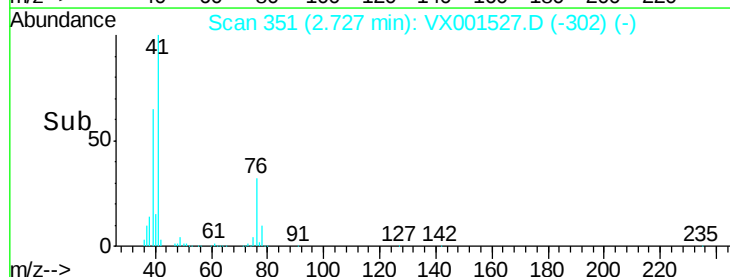
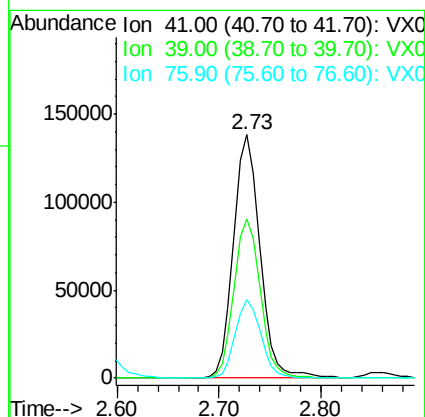
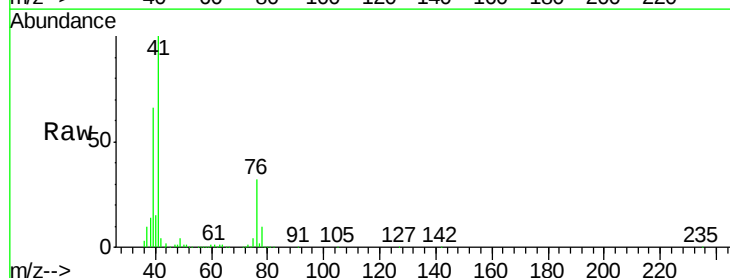
Tgt Ion: 41 Resp: 249288

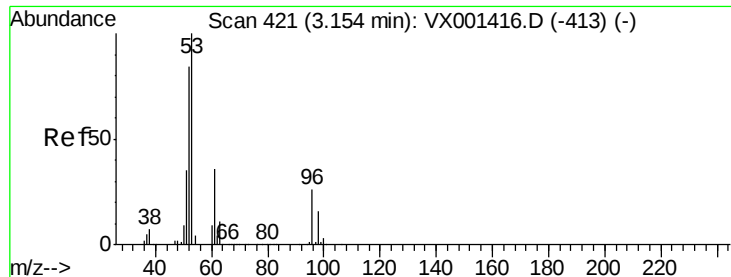
Ion Ratio Lower Upper

41 100

39 64.8 52.4 78.6

76 31.2 25.8 38.6





#15

Acrylonitrile

Concen: 274.50 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

Instrument :

MSVOA_X

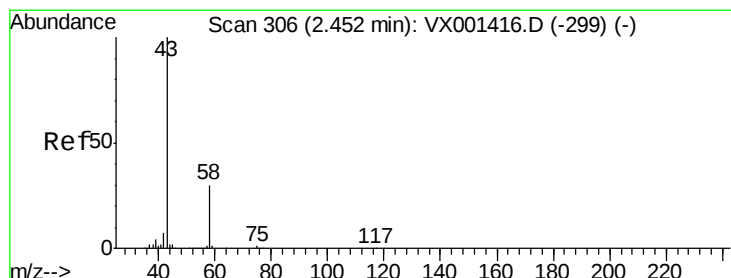
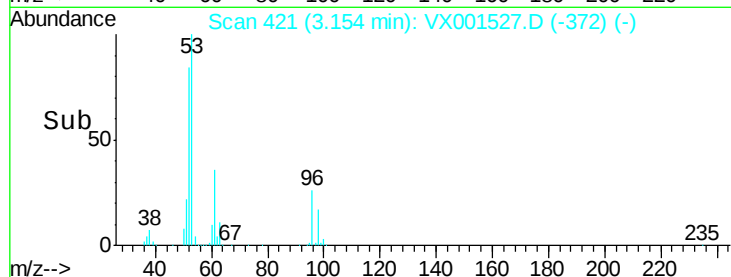
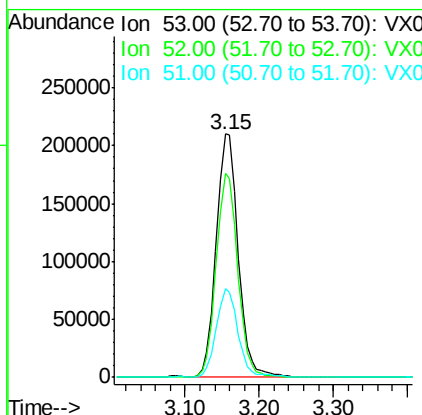
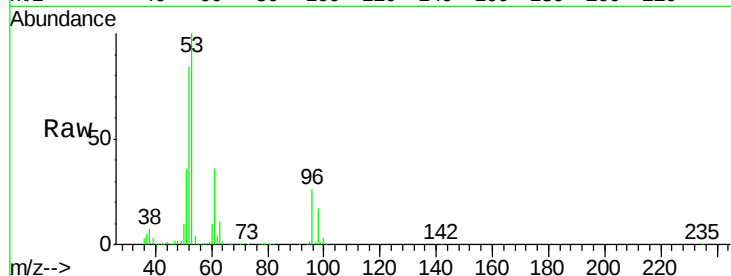
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	428876
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.2
51	36.3	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 264.89 ug/l

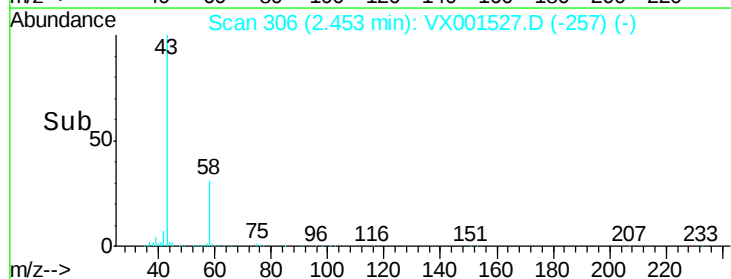
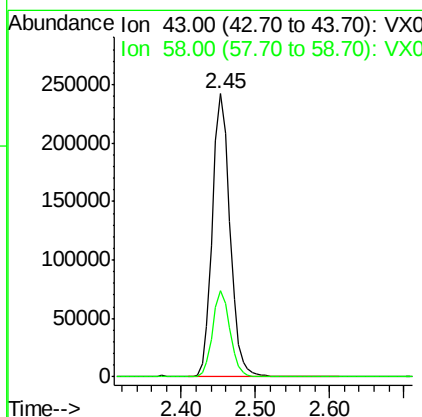
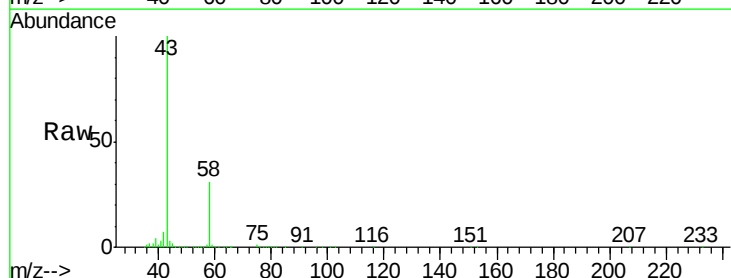
RT: 2.45 min Scan# 306

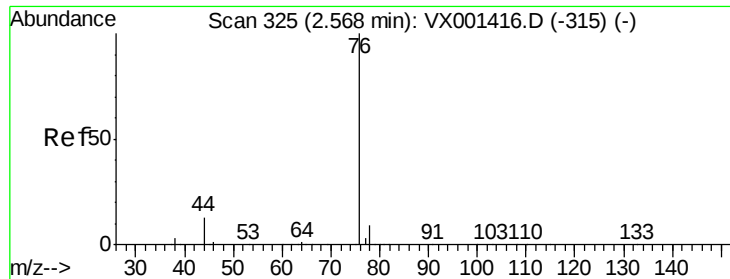
Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

Tgt Ion:	43	Resp:	394435
Ion	Ratio	Lower	Upper
43	100		
58	30.6	23.8	35.8





#17

Carbon Disulfide

Concen: 50.40 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 323836

Ion Ratio Lower Upper

76 100

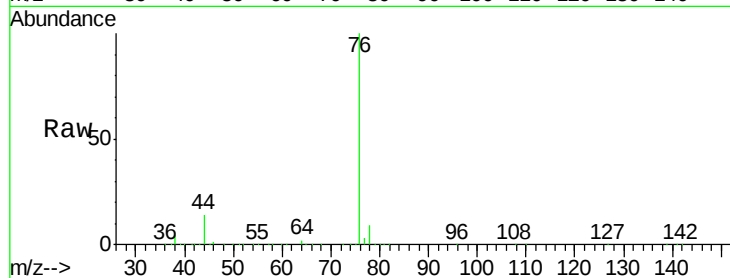
78 9.2 7.4 11.2

Manual Integrations

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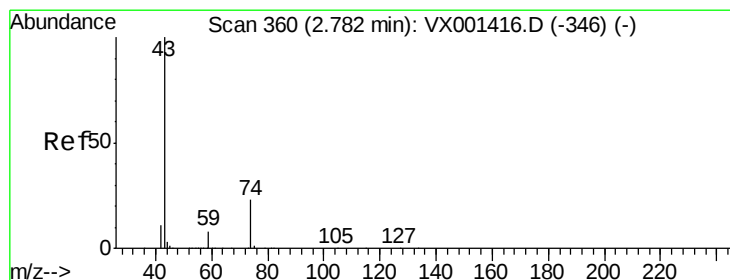
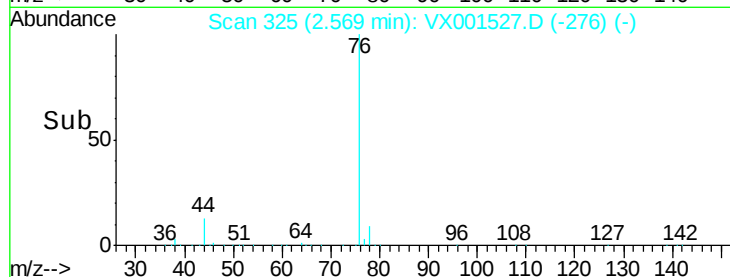
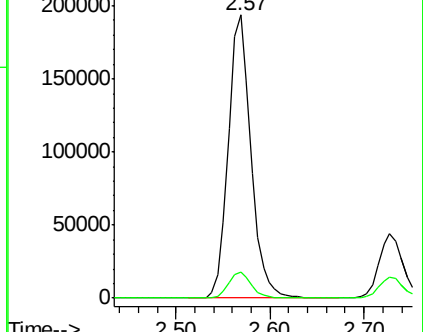
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 58.37 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001527.D

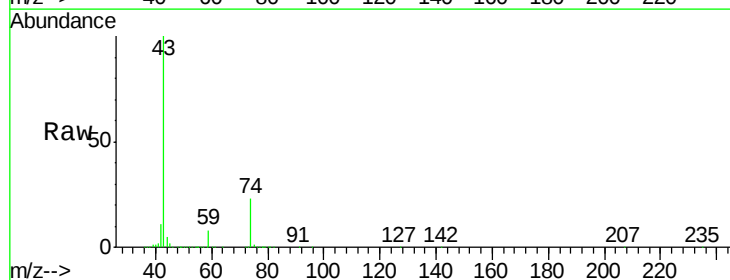
Acq: 08 May 2018 21:08

Tgt Ion: 43 Resp: 228335

Ion Ratio Lower Upper

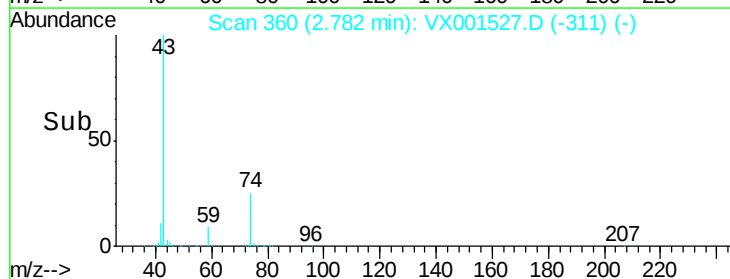
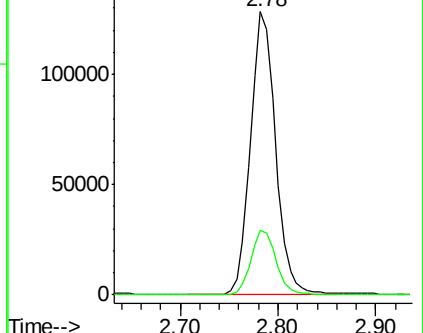
43 100

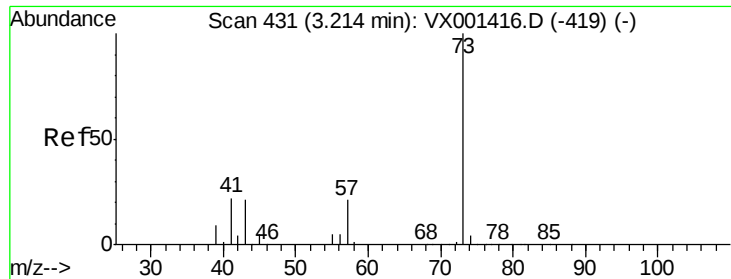
74 23.3 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





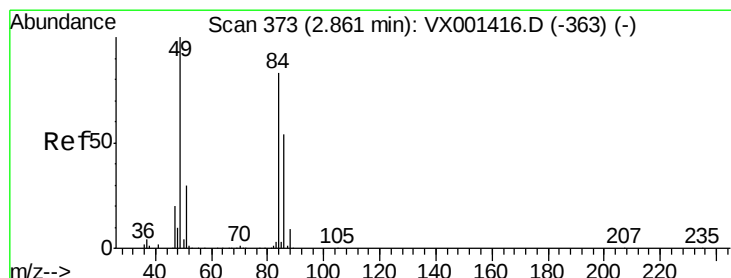
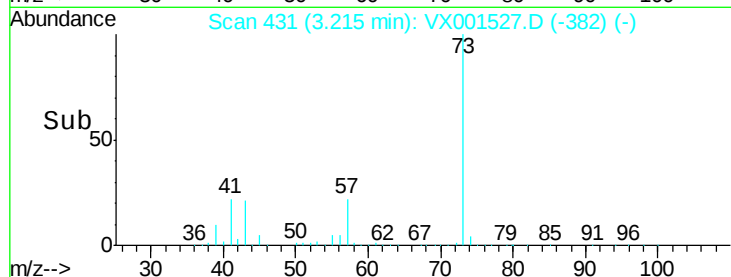
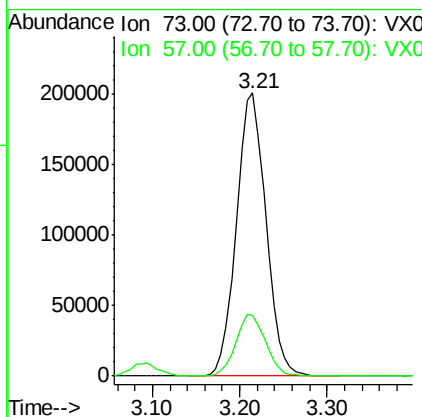
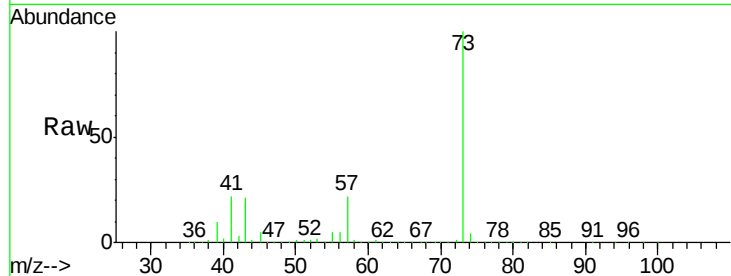
#19
Methvl tert-butvl Ether
Concen: 53.56 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 470744
Ion Ratio Lower Upper
73 100
57 21.6 17.0 25.6

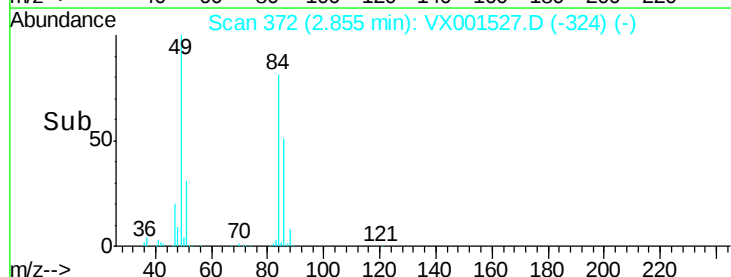
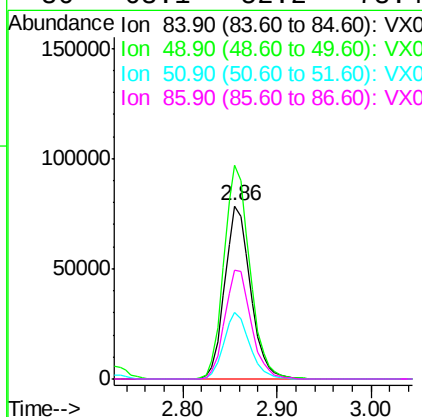
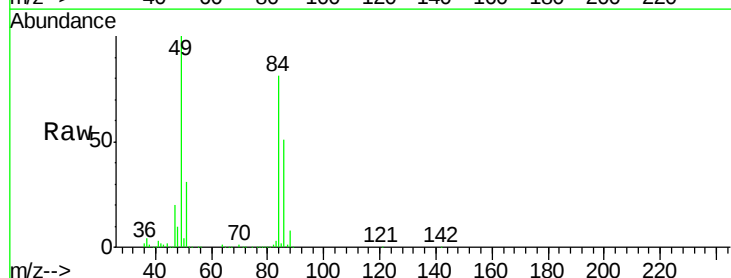
Manual Integrations
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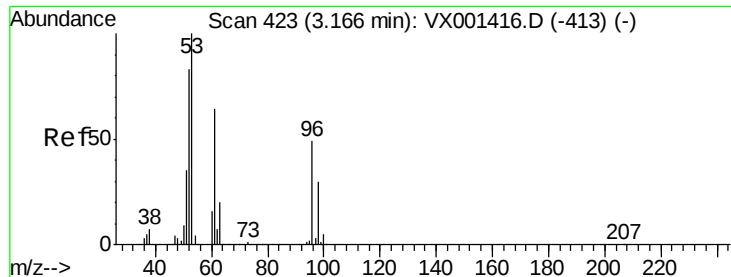
MMDadoda
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#20
Methylene Chloride
Concen: 50.68 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Tgt Ion: 84 Resp: 149432
Ion Ratio Lower Upper
84 100
49 123.6 96.6 144.8
51 38.7 29.0 43.4
86 63.1 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 50.72 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

Instrument :

MSVOA_X

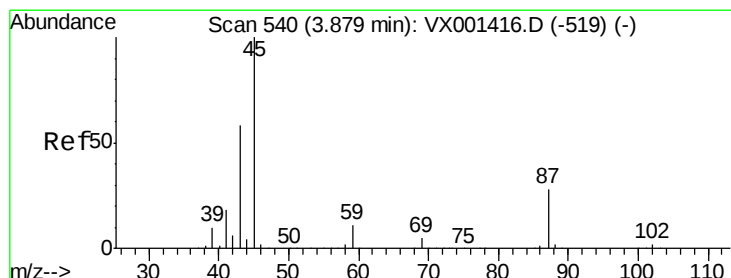
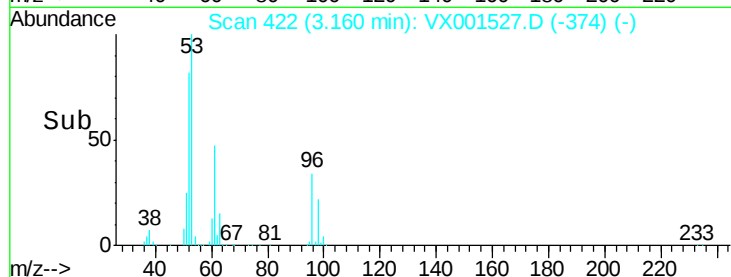
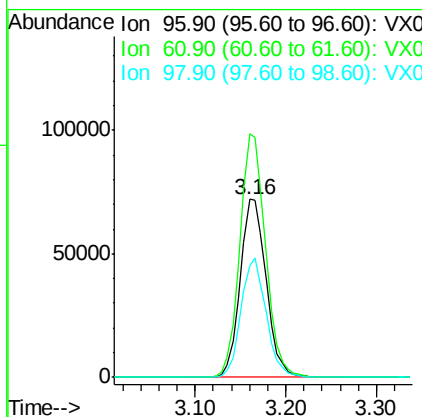
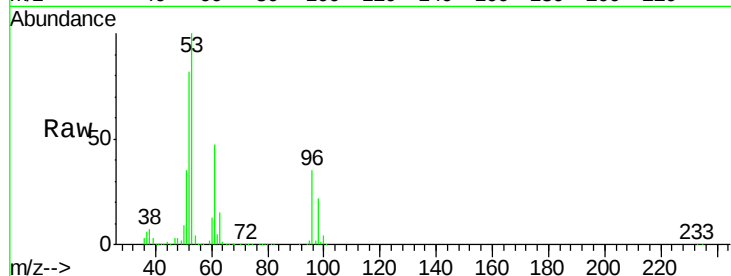
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	142892
Ion	Ratio	Lower	Upper
96	100		
61	136.4	105.0	157.4
98	63.0	49.9	74.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.05 ug/l

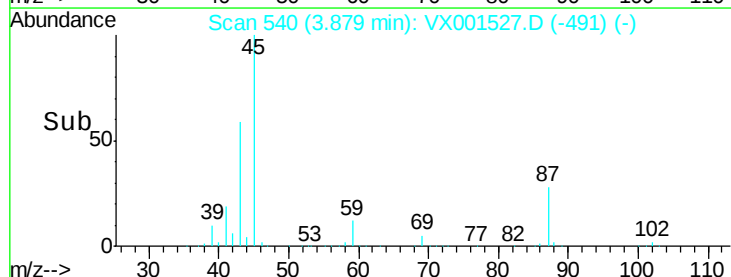
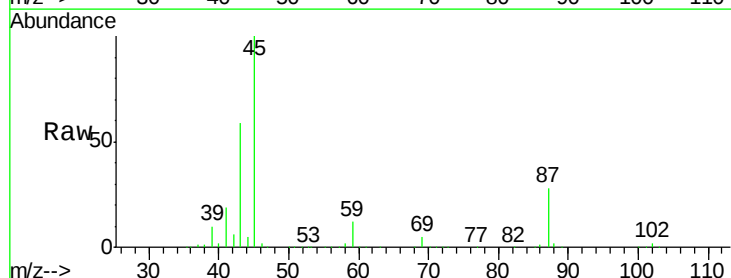
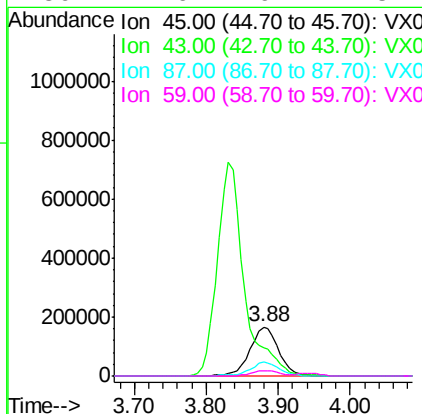
RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

Tgt Ion:	45	Resp:	457814
Ion	Ratio	Lower	Upper
45	100		
43	58.7	46.5	69.7
87	27.9	22.6	34.0
59	11.6	9.1	13.7





#23

Vinyl Acetate

Concen: 257.72 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1888984

Ion Ratio Lower Upper

43 100

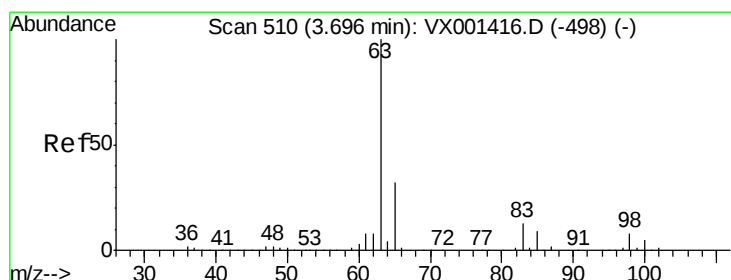
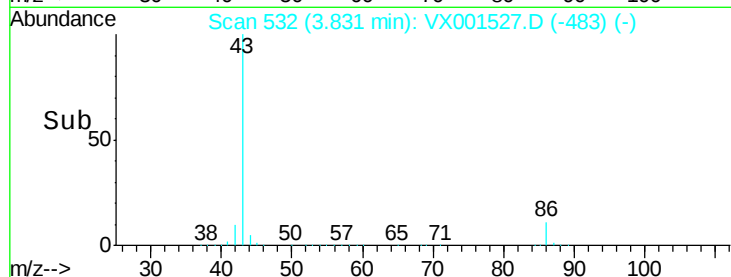
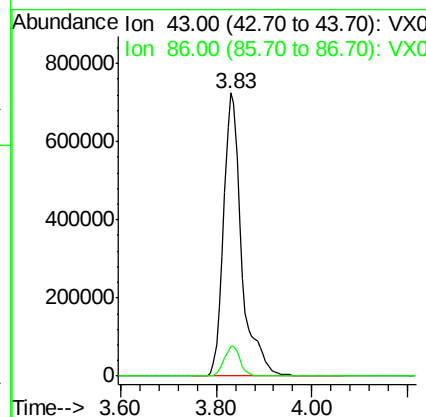
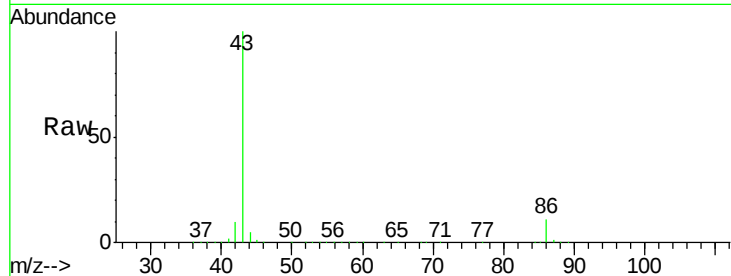
86 10.7 8.6 13.0

Manual Integrations

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5/10/2018 1:11:27 PM



#24

1,1-Dichloroethane

Concen: 54.20 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

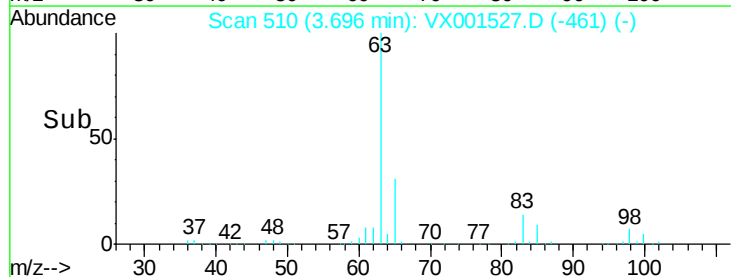
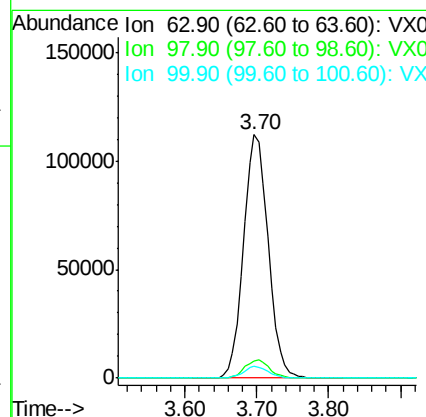
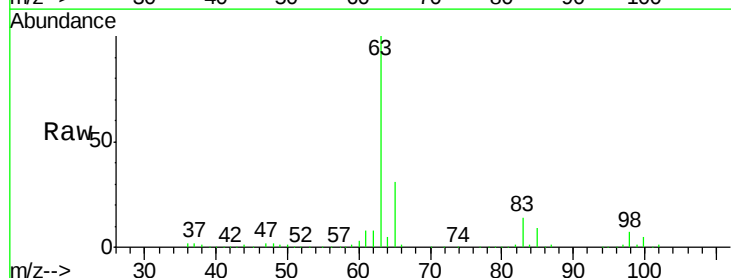
Tgt Ion: 63 Resp: 266254

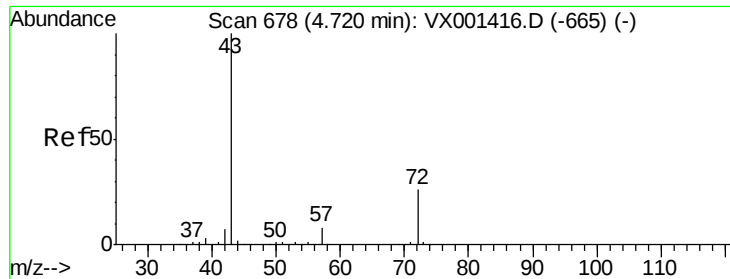
Ion Ratio Lower Upper

63 100

98 7.0 3.8 11.4

100 4.9 2.4 7.1





#25

2-Butanone

Concen: 272.27 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 586052

Ion Ratio Lower Upper

43 100

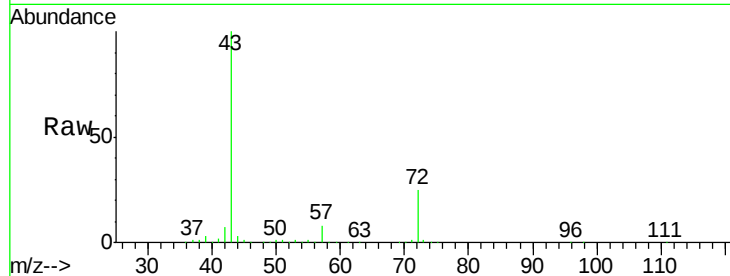
72 25.2 20.7 31.1

Manual Integrations

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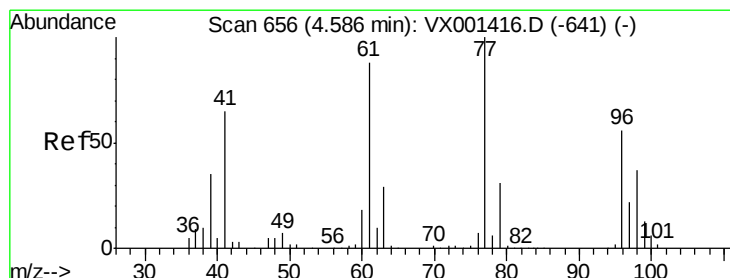
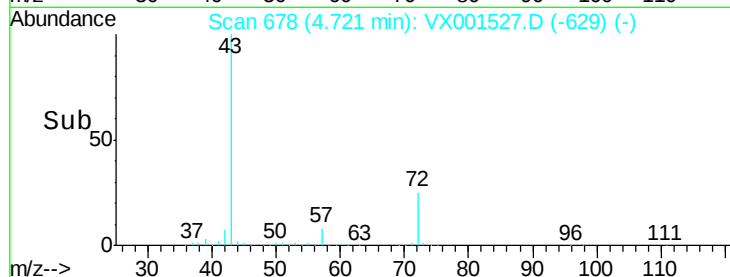
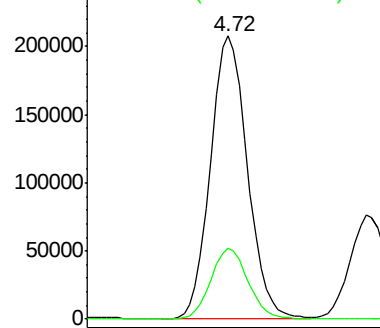
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 44.30 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX001527.D

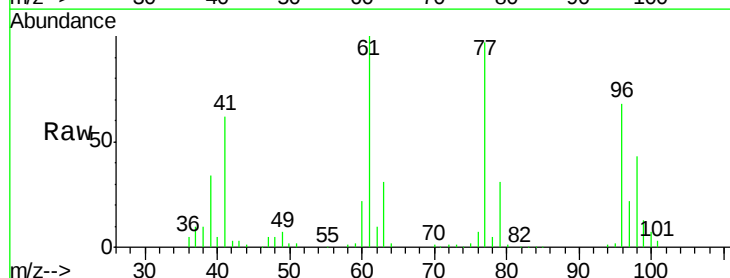
Acq: 08 May 2018 21:08

Tgt Ion: 77 Resp: 168060

Ion Ratio Lower Upper

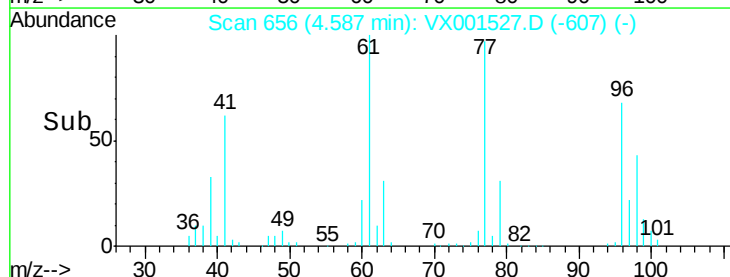
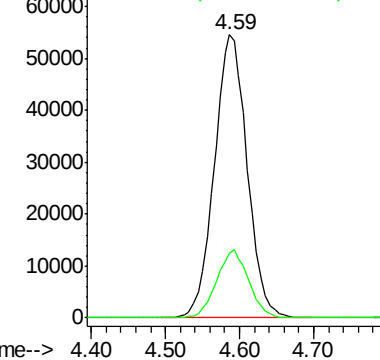
77 100

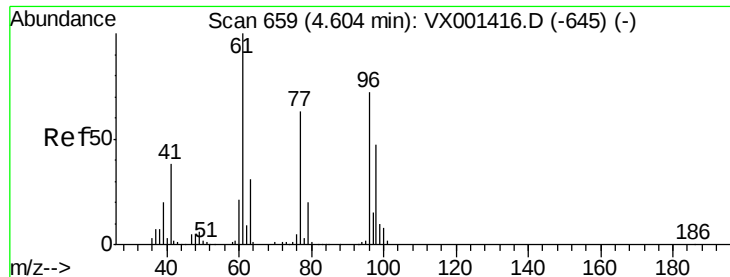
97 23.5 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

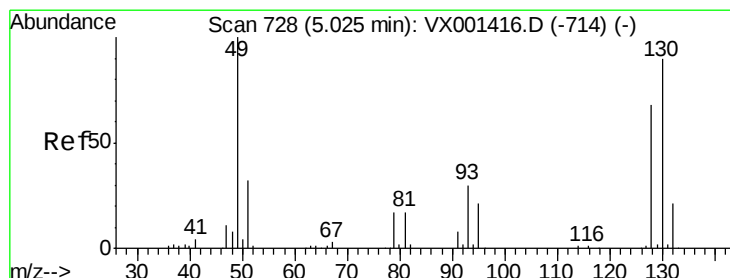
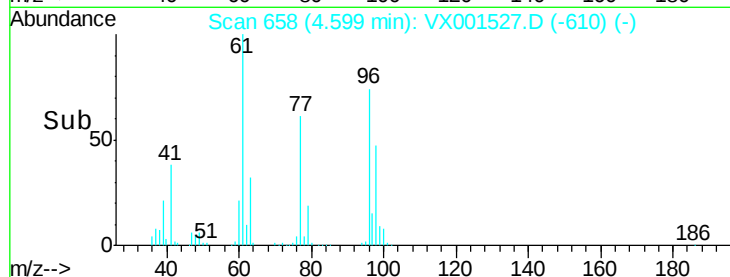
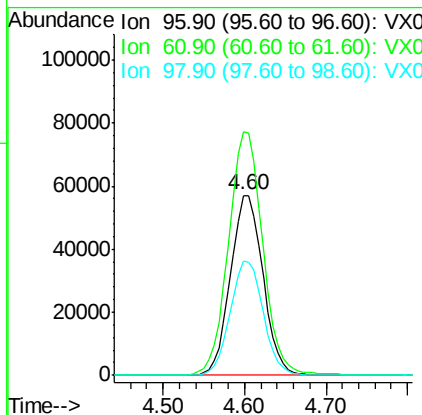
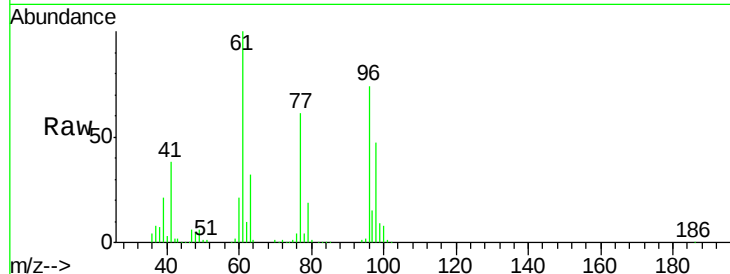
cis-1,2-Dichloroethene
Concen: 52.39 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	157212		
61	143.1	0.0	301.6	
98	64.2	0.0	131.6	

Manual Integrations
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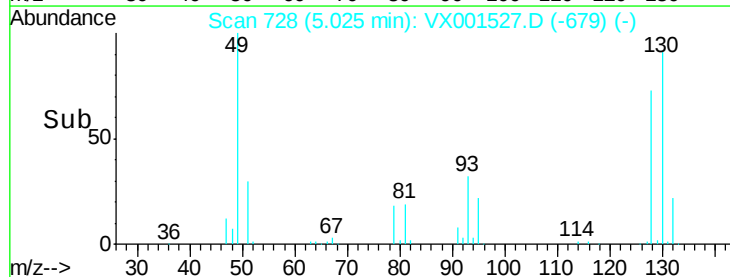
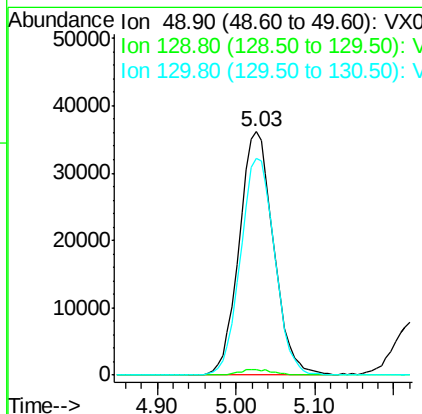
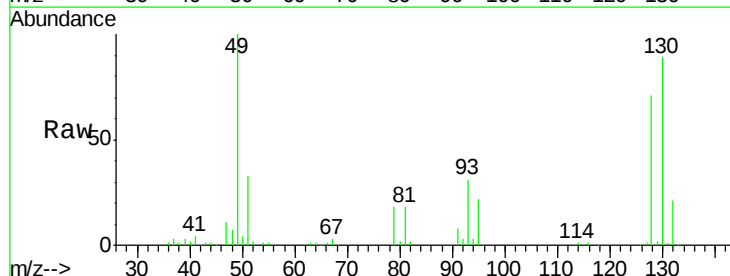
MMDadoda
5/10/2018 1:11:27 PM

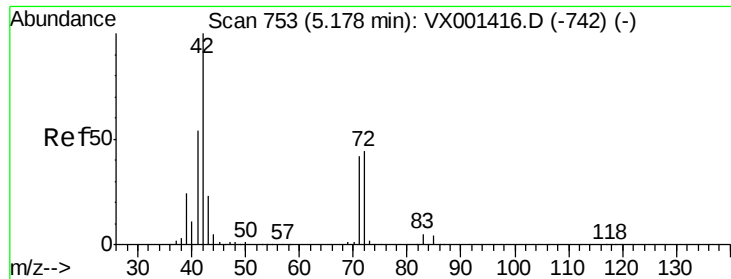


#28

Bromochloromethane
Concen: 51.50 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	109694		
129	2.3	0.0	4.8	
130	88.4	71.9	107.9	





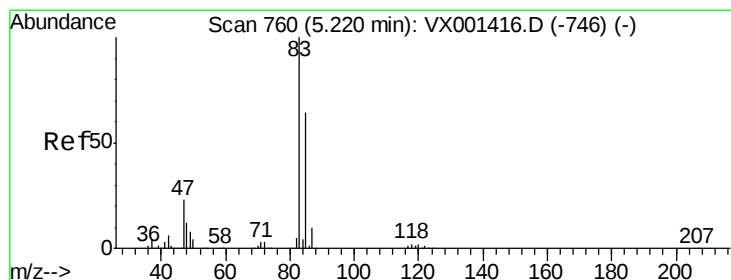
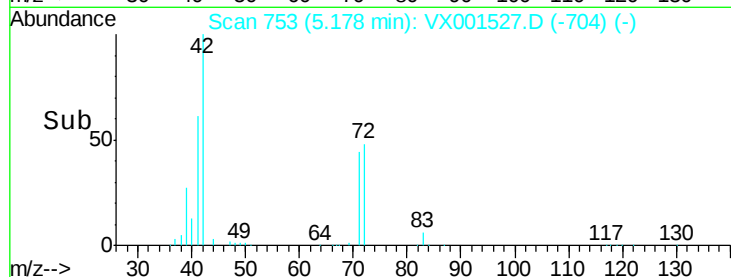
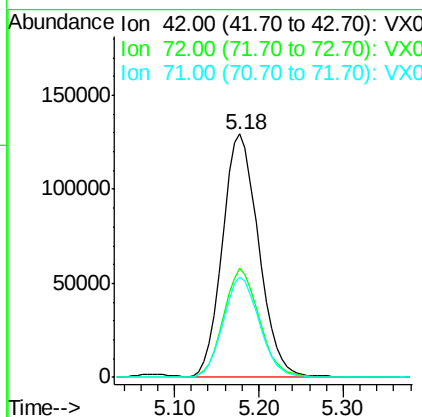
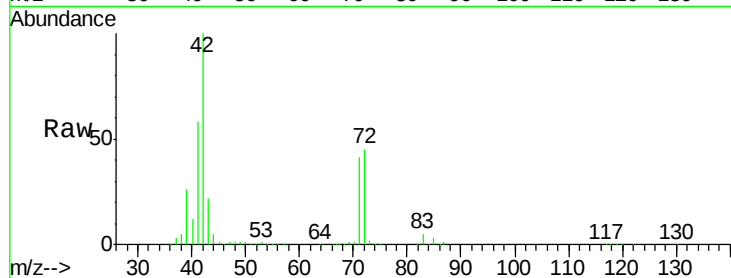
#29
Tetrahydrofuran
Concen: 274.64 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.4	53.2
71	41.2	33.0	49.4

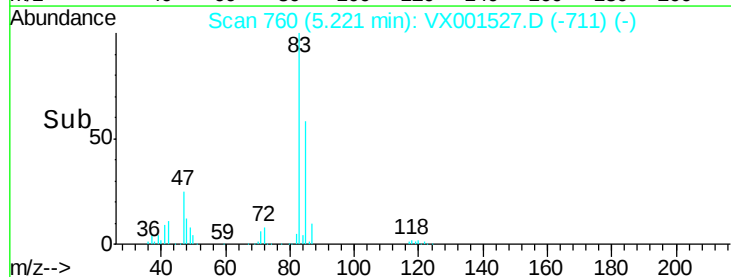
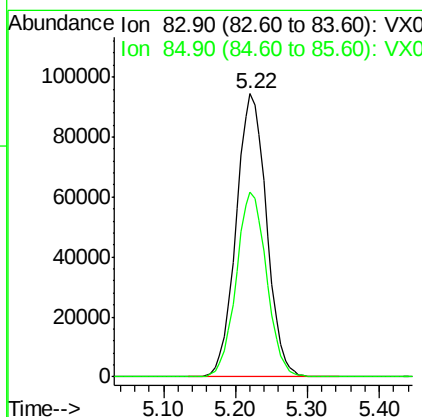
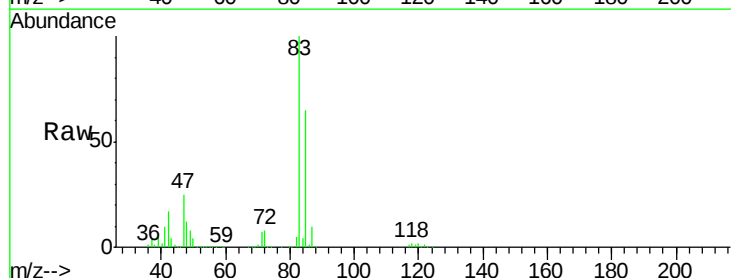
Manual Integrations
APPROVED

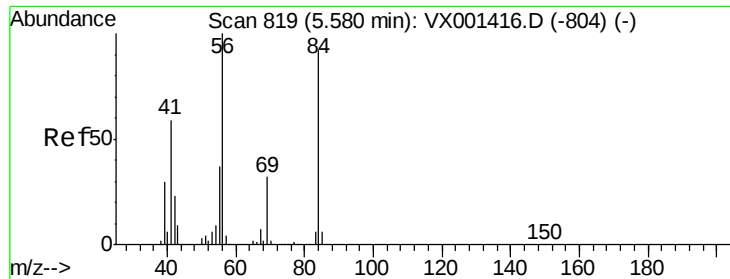
MMDadoda
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#30
Chloroform
Concen: 54.68 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.0	76.4





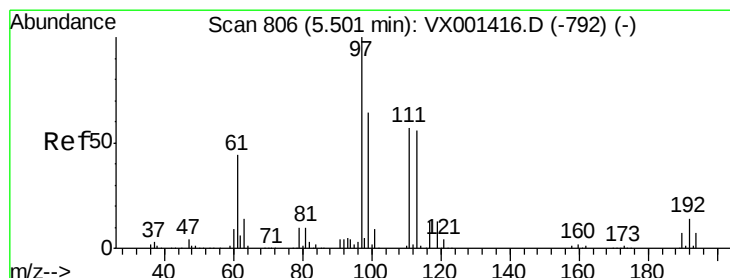
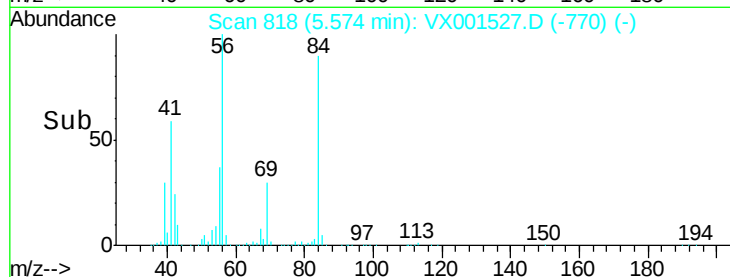
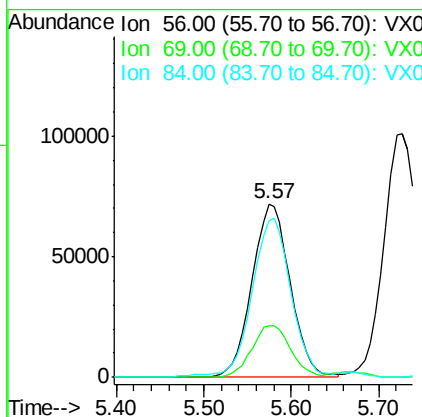
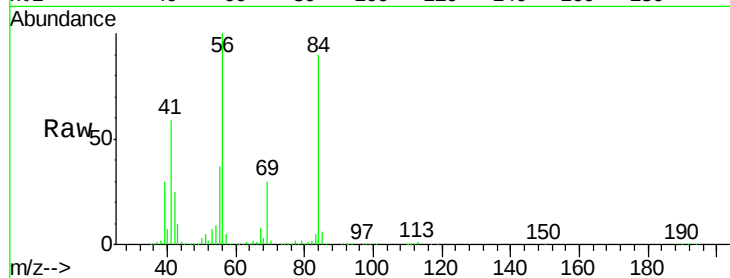
#31
Cyclohexane
Concen: 52.02 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.8	25.4	38.0
84	89.2	73.8	110.8

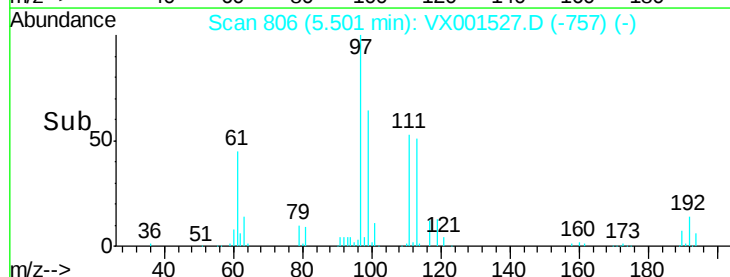
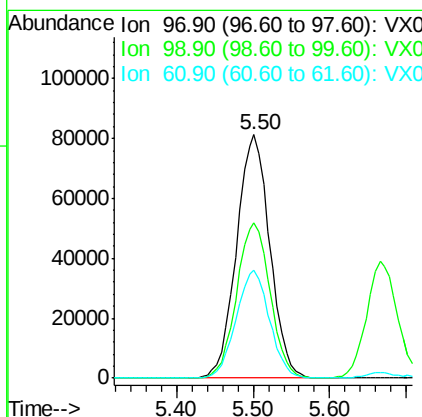
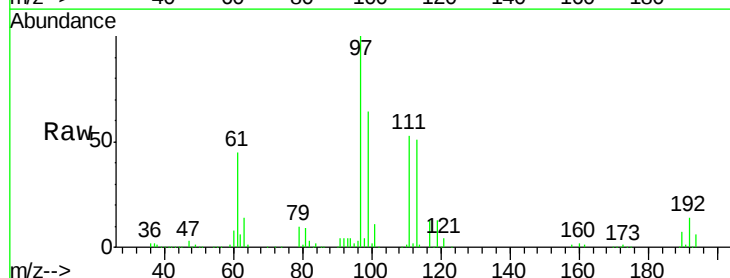
Manual Integrations
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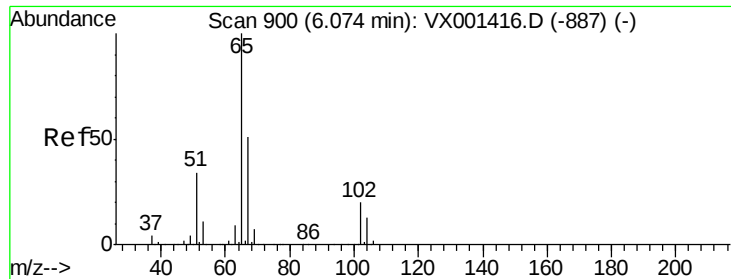
MMDadoda
5/10/2018 1:11:27 PM



#32
1,1,1-Trichloroethane
Concen: 55.36 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.3	76.9
61	44.5	34.8	52.2





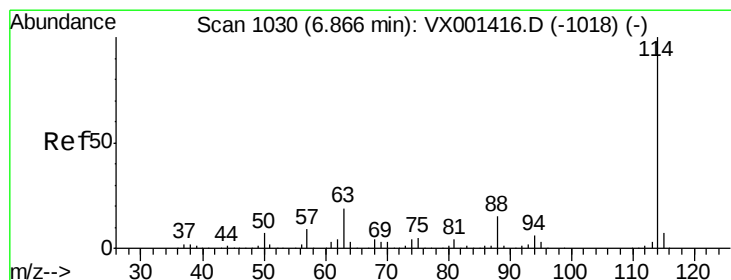
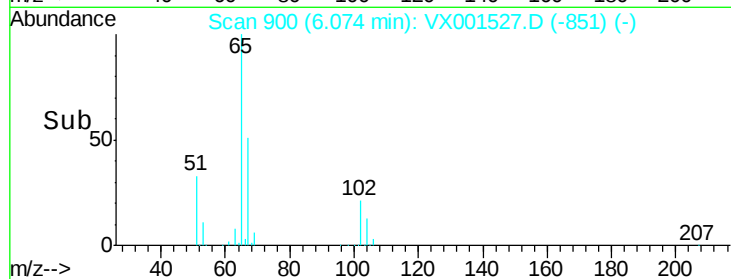
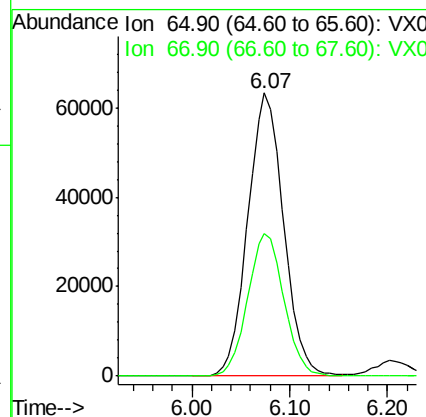
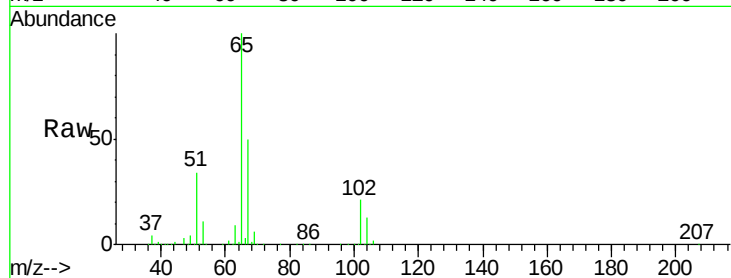
#33
 1,2-Dichloroethane-d4
 Concen: 49.17 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001527.D
 Acq: 08 May 2018 21:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	161258		
67	50.9	0.0	101.8	

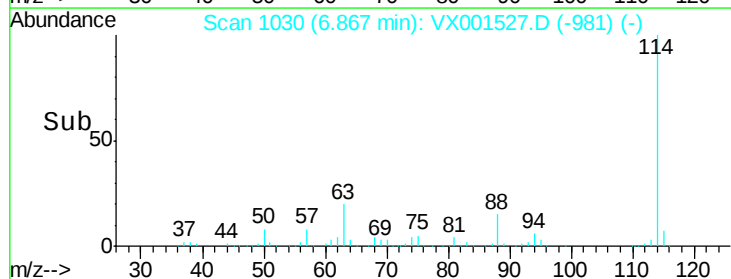
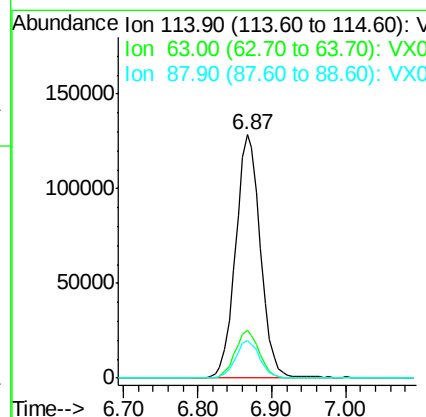
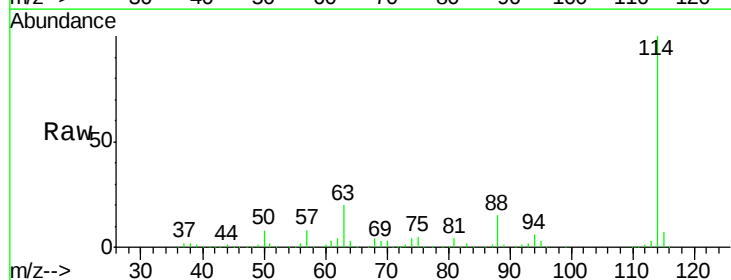
Manual Integrations
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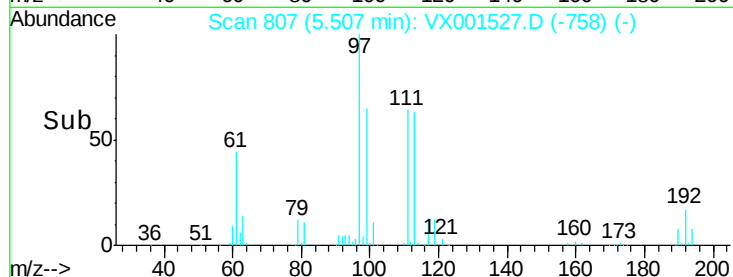
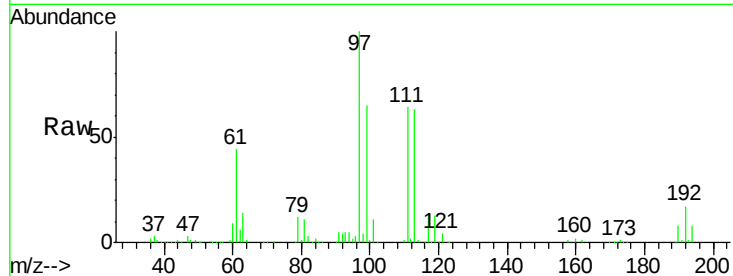
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001527.D
 Acq: 08 May 2018 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	299503		
63	19.6	0.0	38.6	
88	15.4	0.0	30.8	





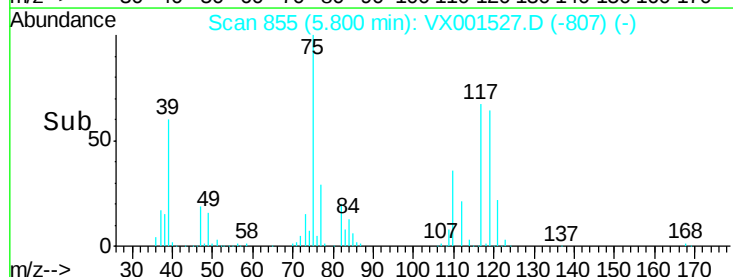
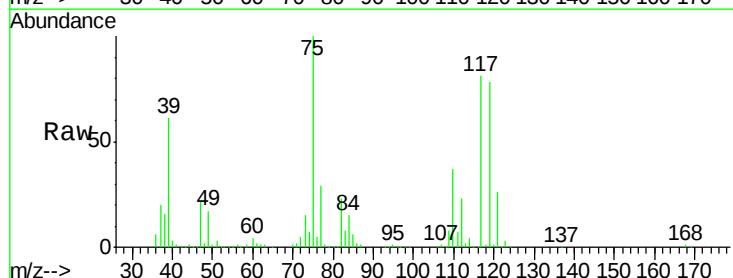
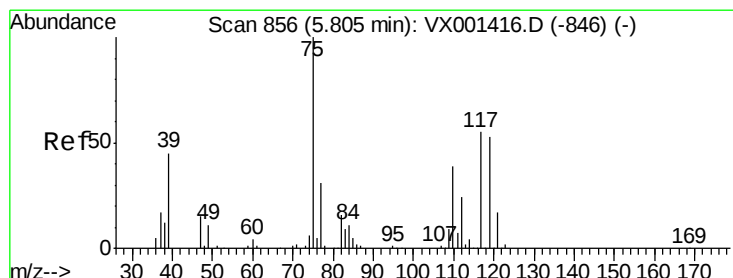
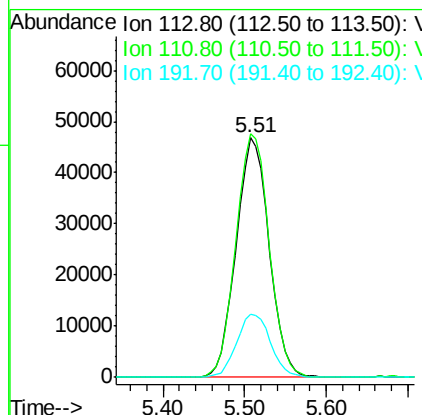
#35
Dibromofluoromethane
Concen: 49.21 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Tot Ion	Ratio	Resp	Lower	Upper
113	100	131107		
111	102.7	82.2	123.2	
192	27.1	21.4	32.0	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

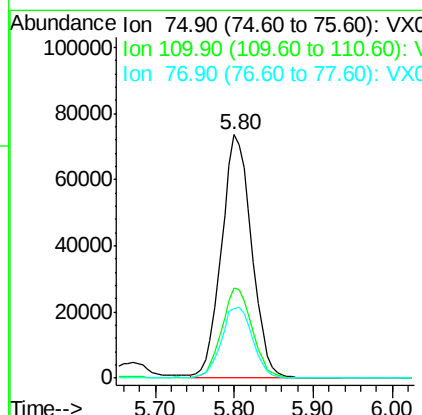
Manual Integrations
APPROVED

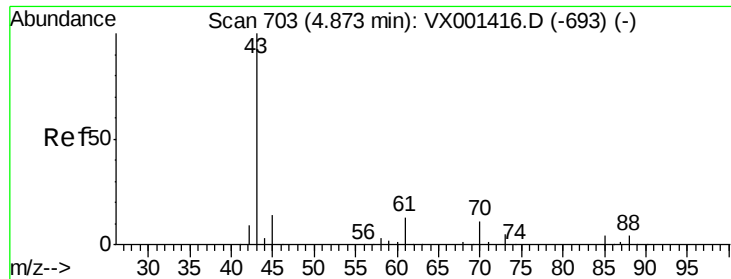
MMDadoda
5/10/2018 1:11:27 PM



#36
1,1-Dichloropropene
Concen: 51.38 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.01 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	195736		
110	37.6	18.9	56.7	
77	30.4	24.9	37.3	





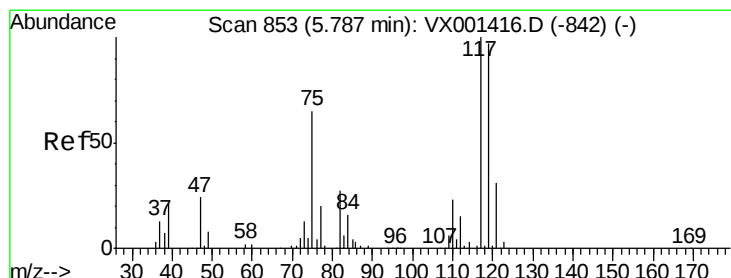
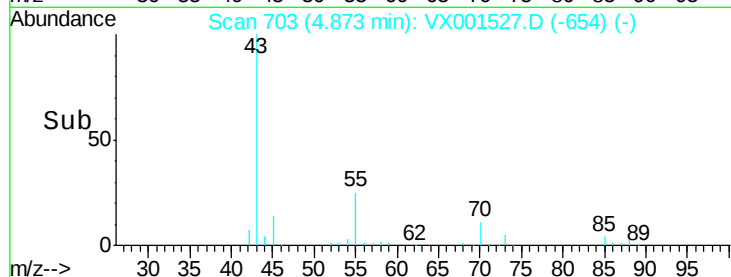
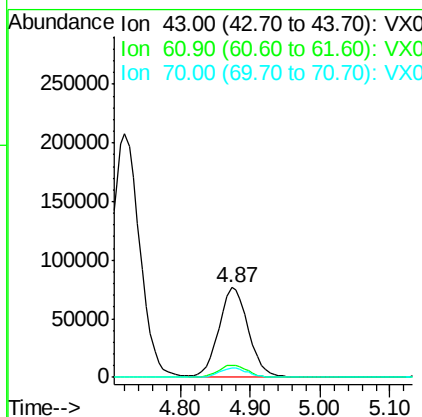
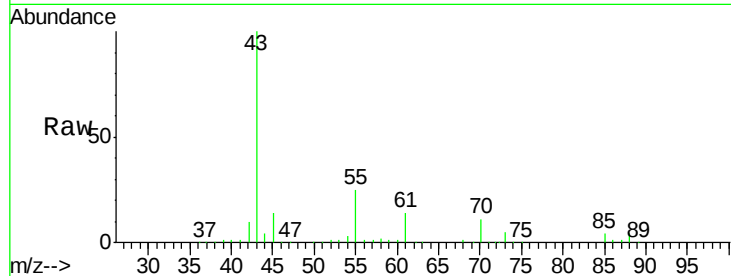
#37
Ethyl Acetate
Concen: 53.24 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	222341
Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.7	16.1
70	10.5	8.4	12.6

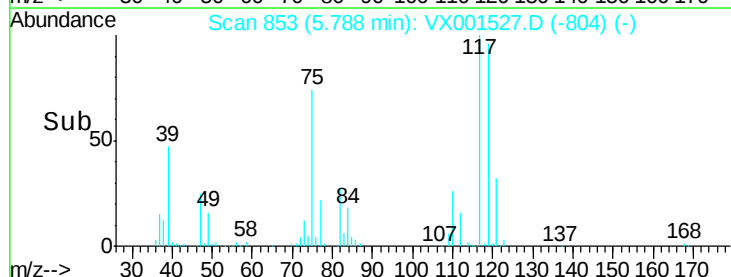
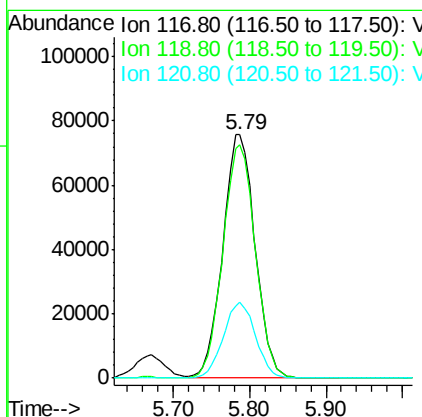
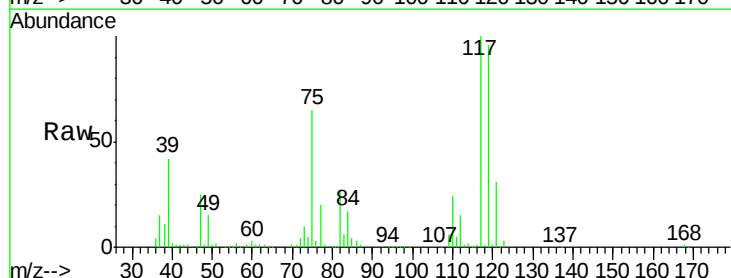
Manual Integrations
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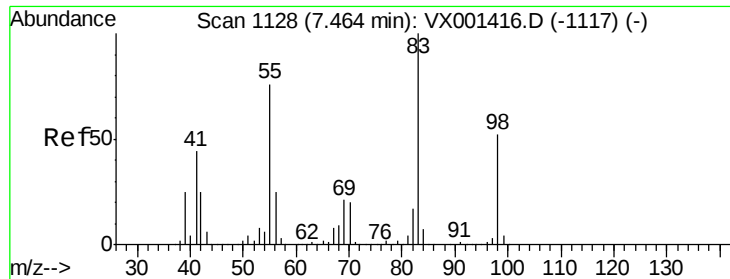
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#38
Carbon Tetrachloride
Concen: 54.42 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Tgt Ion:	117	Resp:	221123
Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.0	115.6
121	31.3	25.1	37.7





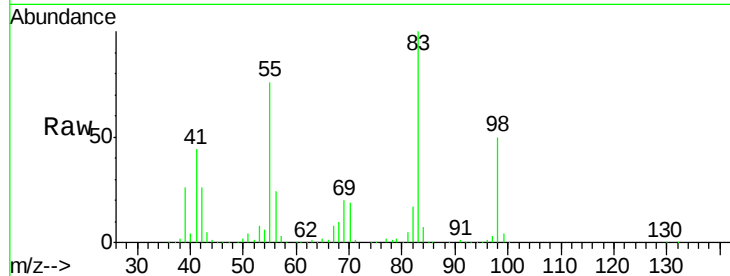
#39
Methvlcvclohexane
Concen: 50.66 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

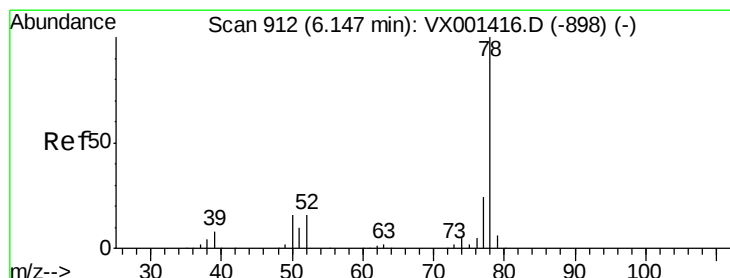
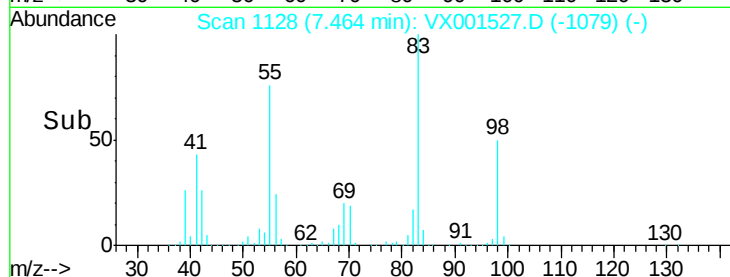
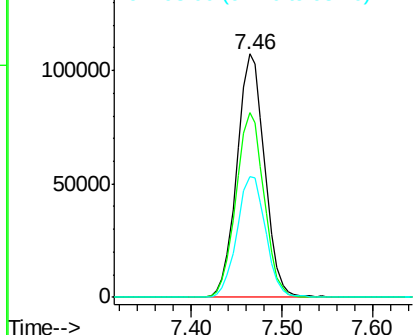
Tot Ion	Ratio	Resp	Lower	Upper
83	100	228192		
55	75.8	60.9	91.3	
98	49.7	41.9	62.9	

Manual Integrations
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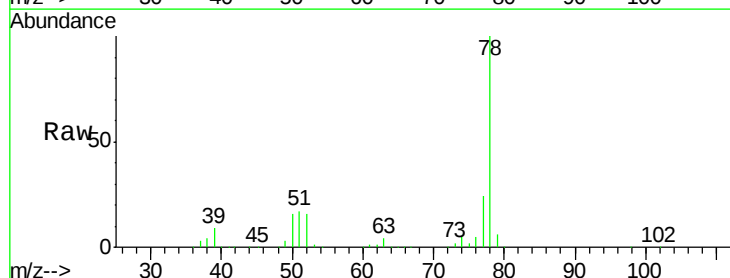


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

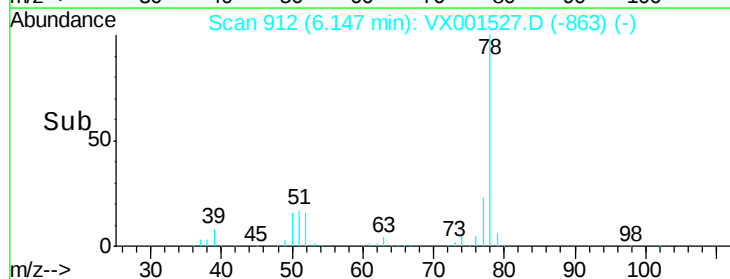
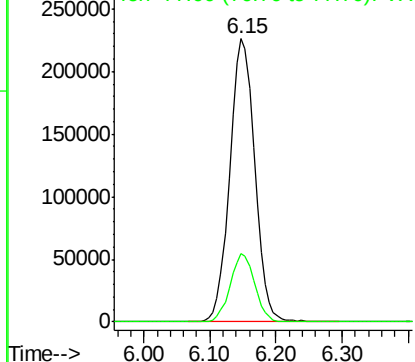


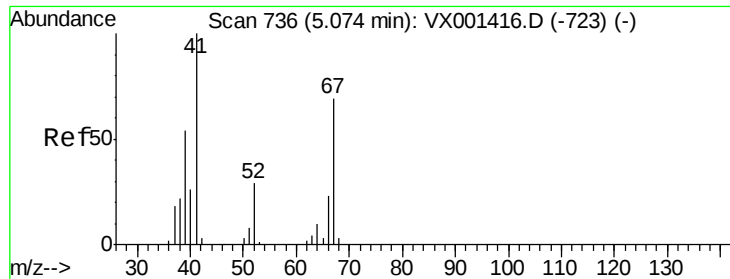
#40
Benzene
Concen: 53.20 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	591994		
77	24.0	19.4	29.2	



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





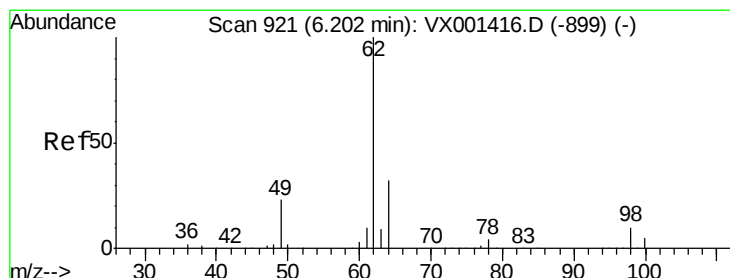
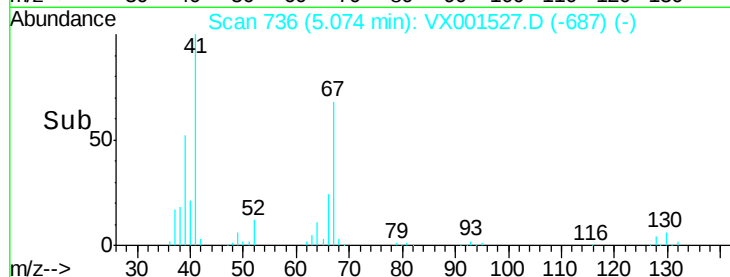
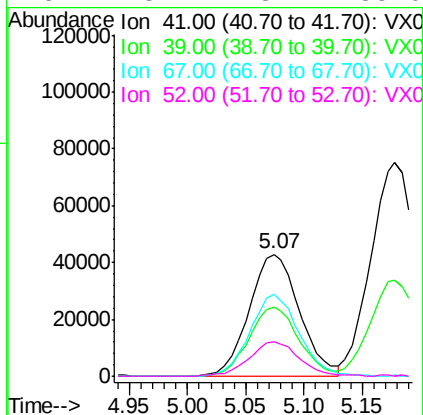
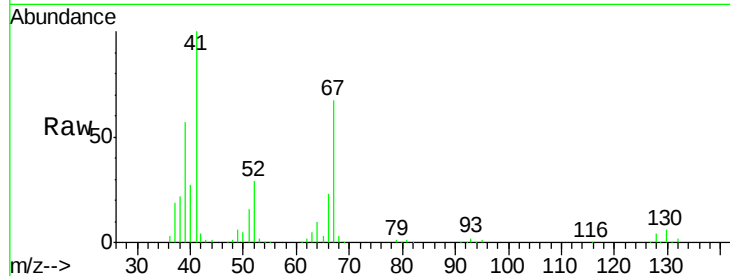
#41
Methacrylonitrile
Concen: 53.70 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.4	45.0	67.6
67	66.1	55.0	82.6
52	28.1	23.4	35.0

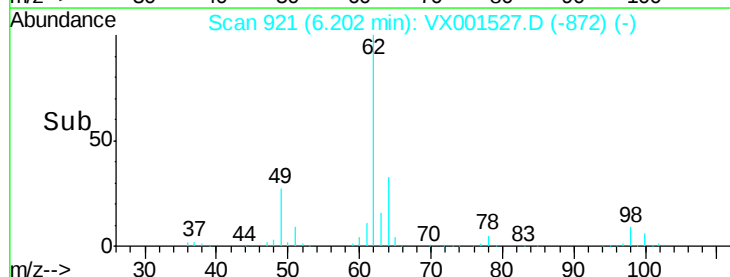
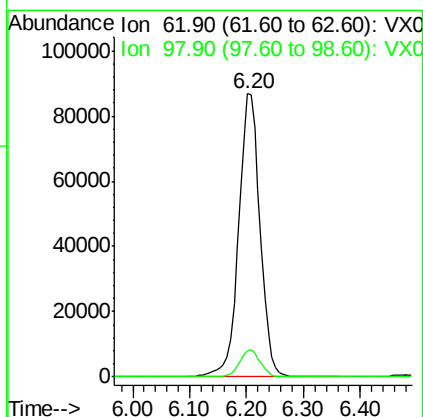
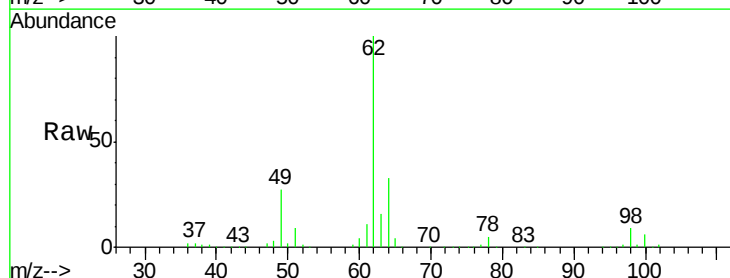
Manual Integrations
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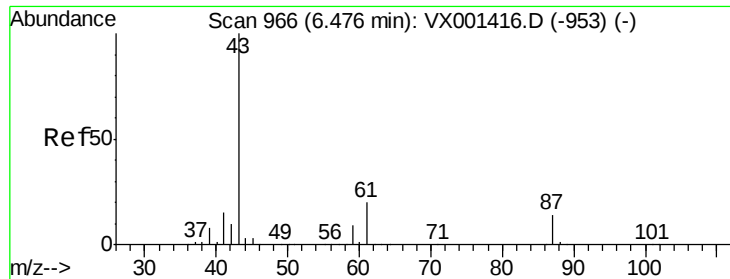
MMDadoda
5/10/2018 1:11:27 PM



#42
1,2-Dichloroethane
Concen: 53.31 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.0





#43

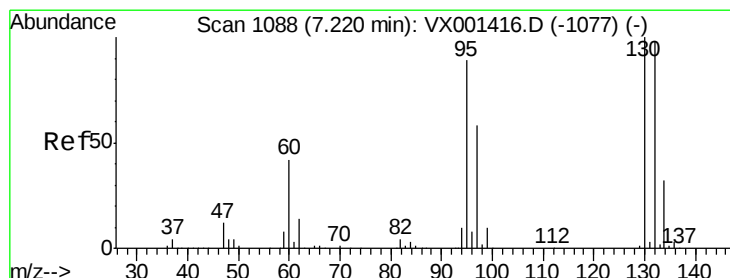
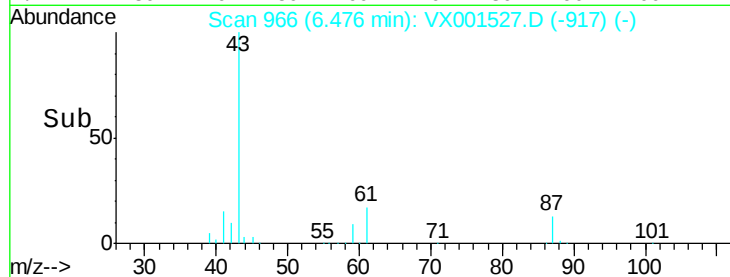
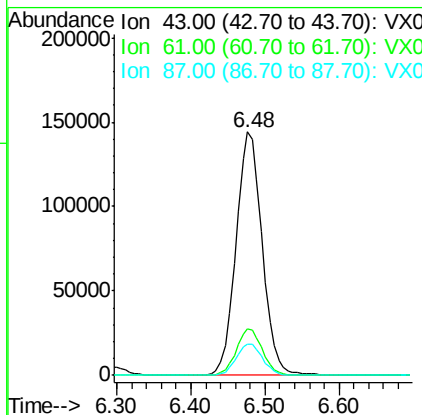
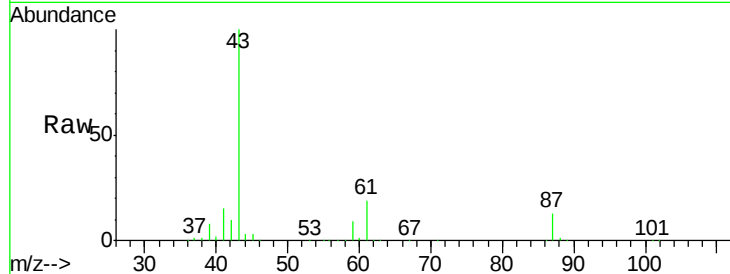
Isopropyl Acetate
 Concen: 55.23 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX001527.D
 Acq: 08 May 2018 21:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.4	23.0
87	13.3	10.8	16.2

Manual Integrations
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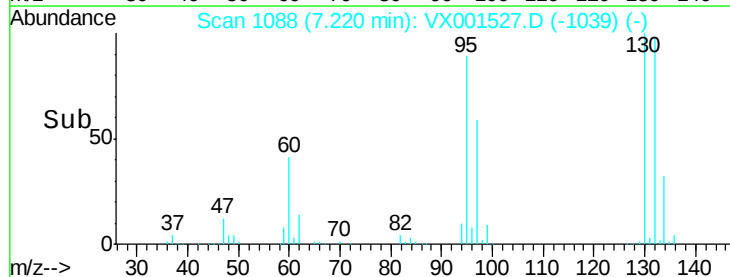
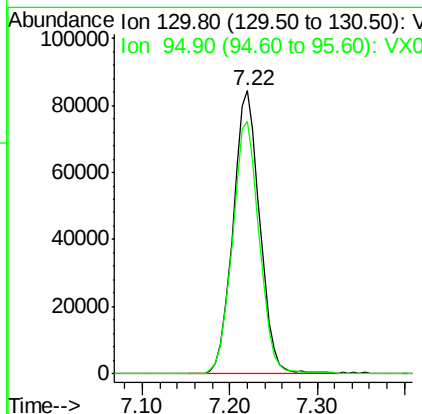
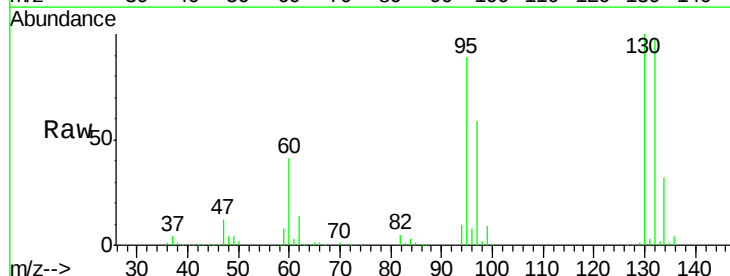
MMDadoda
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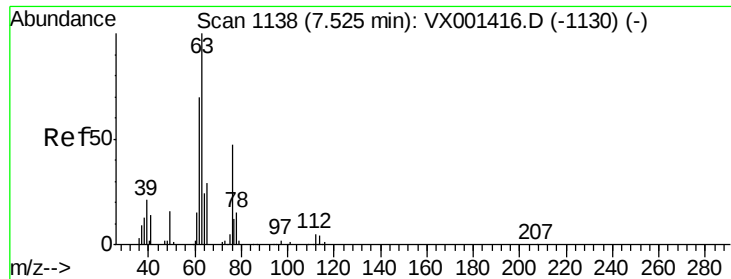


#44

Trichloroethene
 Concen: 52.66 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001527.D
 Acq: 08 May 2018 21:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.4	0.0	178.4





#45

1,2-Dichloropropane

Concen: 53.49 ug/l

RT: 7.53 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 148395

Ion Ratio Lower Upper

63 100

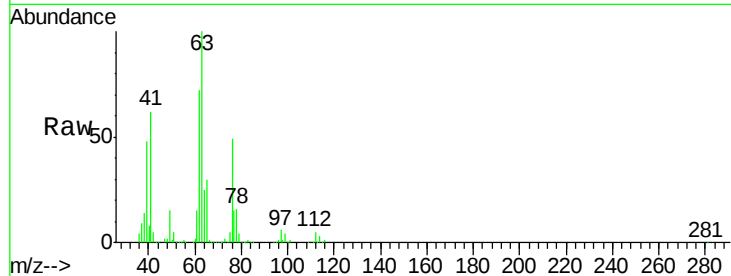
65 30.3 24.5 36.7

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.53

80000

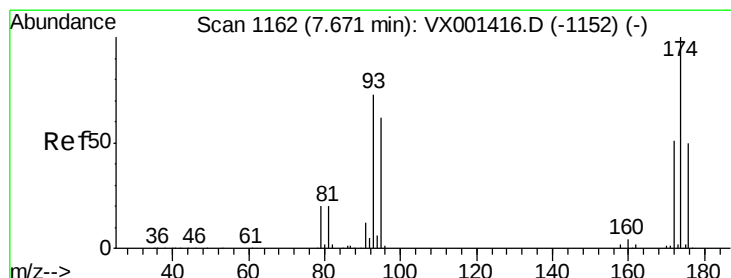
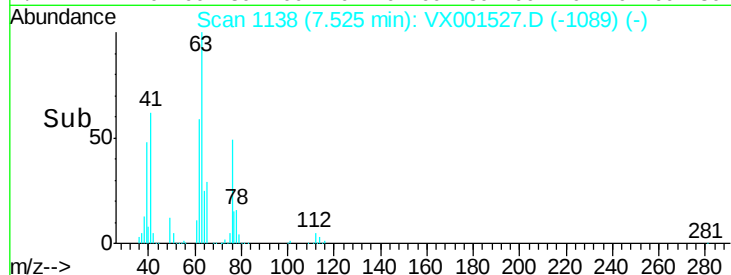
60000

40000

20000

0

Time--> 7.30 7.40 7.50 7.60 7.70



#46

Dibromomethane

Concen: 53.57 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

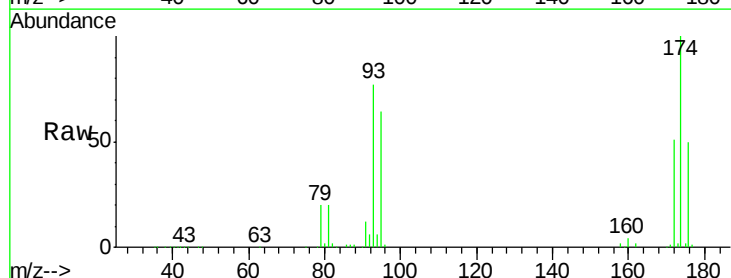
Tgt Ion: 93 Resp: 105216

Ion Ratio Lower Upper

93 100

95 83.1 67.0 100.4

174 129.4 104.5 156.7



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

100000

80000

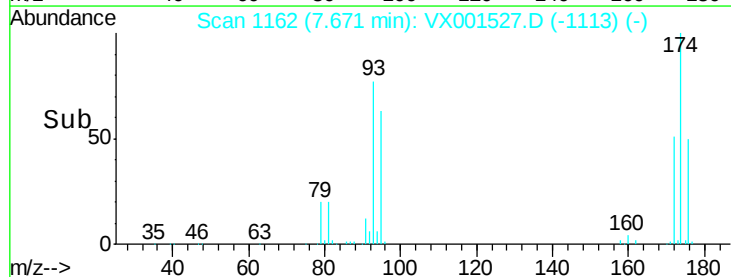
60000

40000

20000

0

Time--> 7.60 7.70 7.80





#47

Bromodichloromethane

Concen: 55.89 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

Instrument :

MSVOA_X

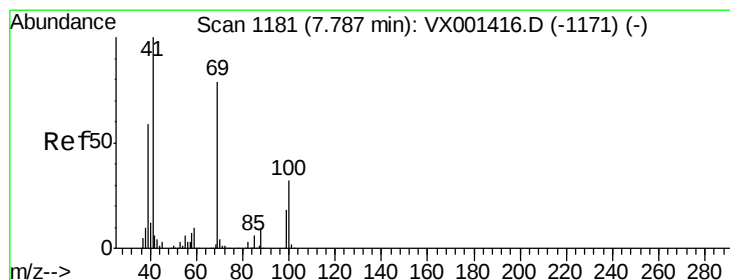
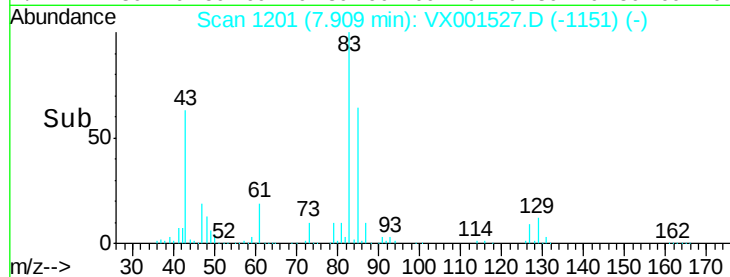
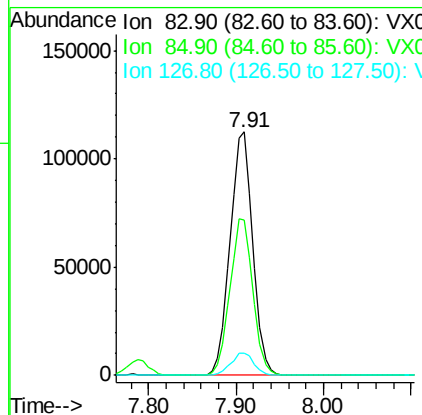
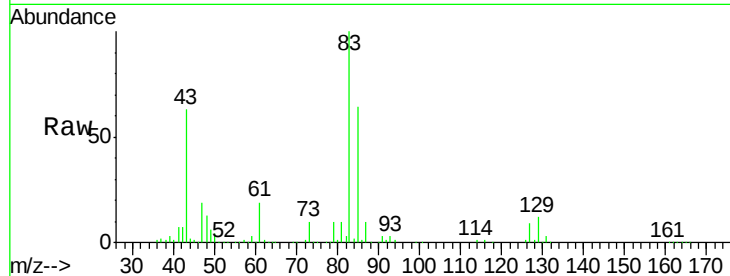
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	203134
Ion Ratio	Lower	Upper	
83	100		
85	63.5	51.0	76.6
127	9.2	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.59 ug/l

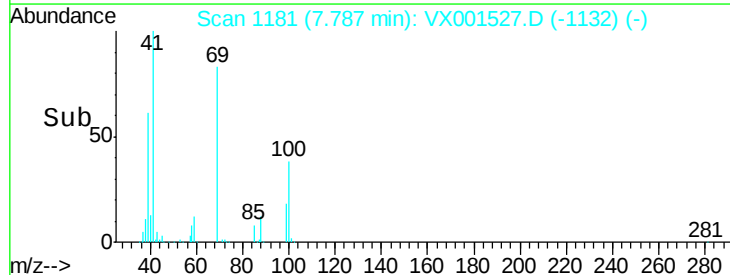
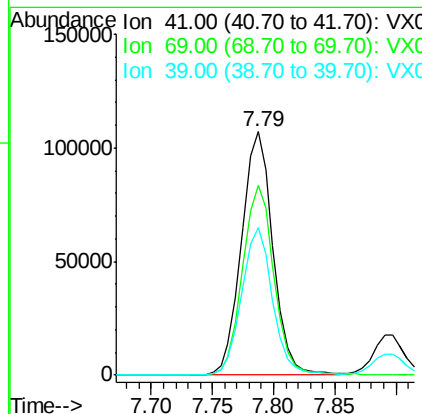
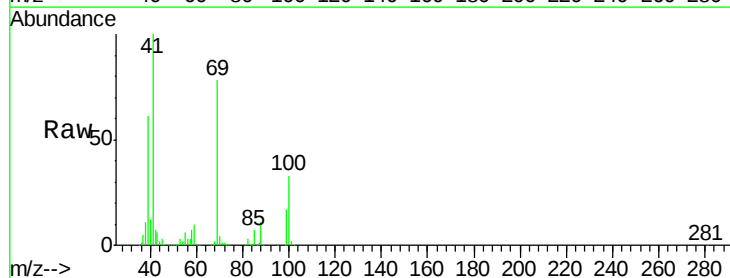
RT: 7.79 min Scan# 1181

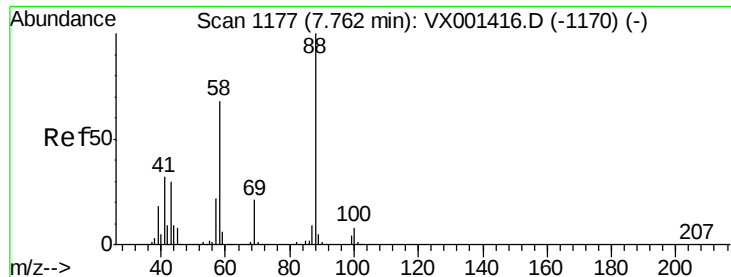
Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

Tgt Ion:	41	Resp:	190567
Ion Ratio	Lower	Upper	
41	100		
69	78.7	63.4	95.2
39	59.5	47.0	70.4





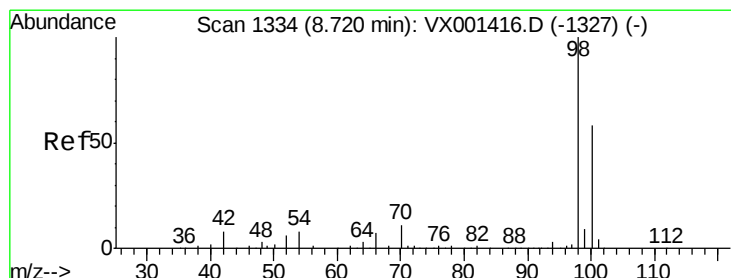
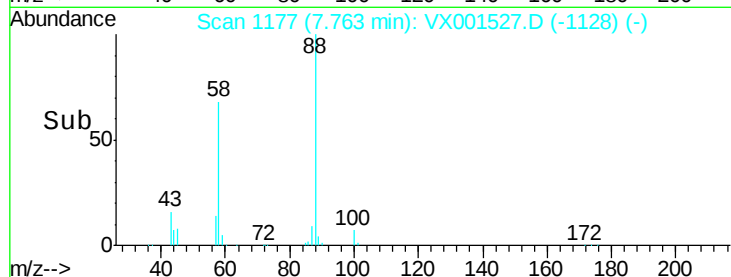
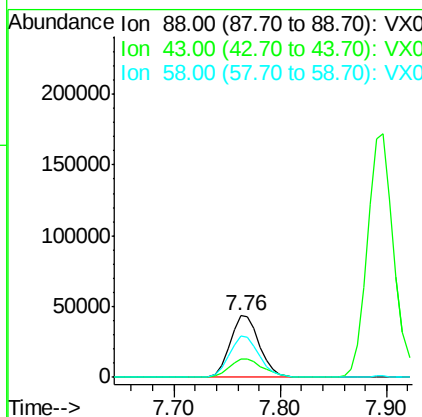
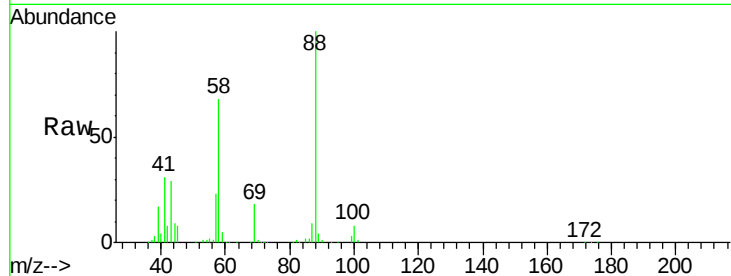
#49
1,4-Dioxane
Concen: 1118.88 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	26.4	39.6
58	68.6	54.1	81.1

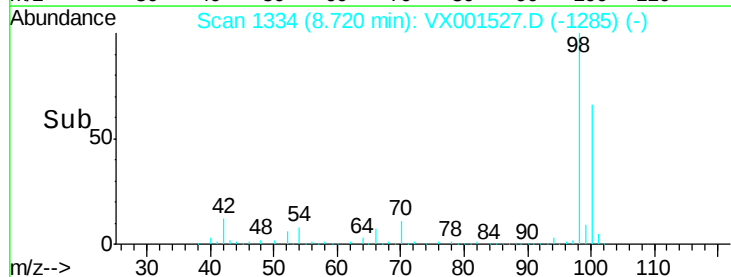
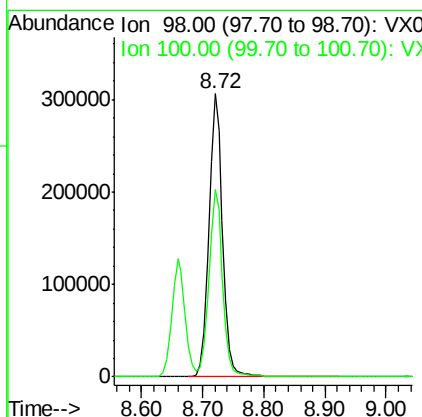
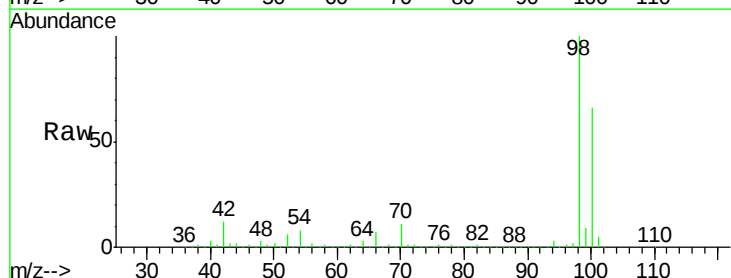
Manual Integrations
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#50
Toluene-d8
Concen: 49.54 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	54.0	81.0





#51

4-Methyl-2-Pentanone

Concen: 284.64 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1212617

Ion Ratio Lower Upper

43 100

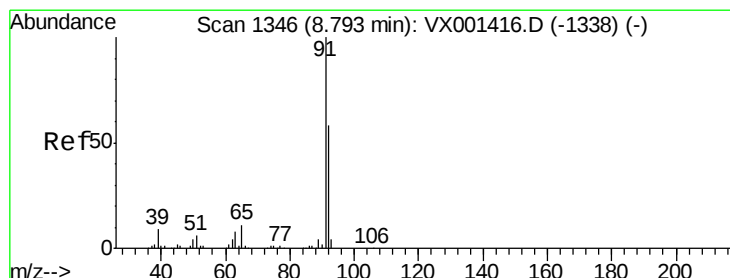
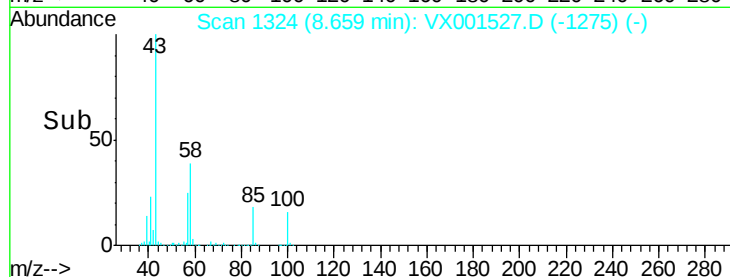
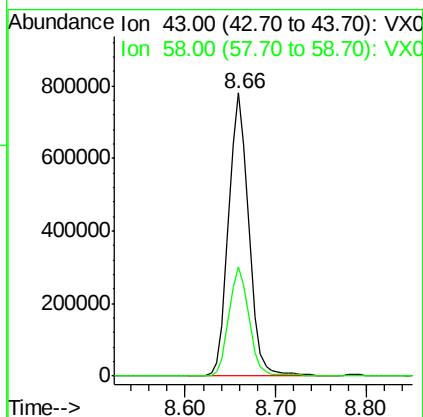
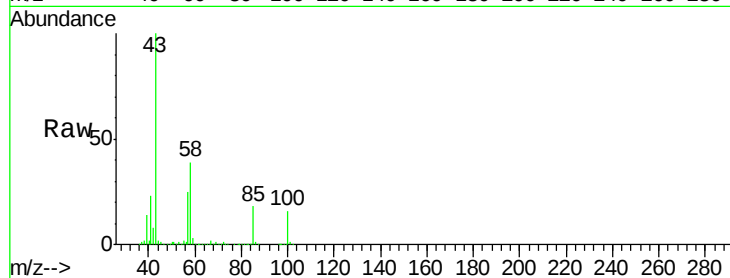
58 38.1 30.8 46.2

Manual Integrations

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#52

Toluene

Concen: 54.03 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001527.D

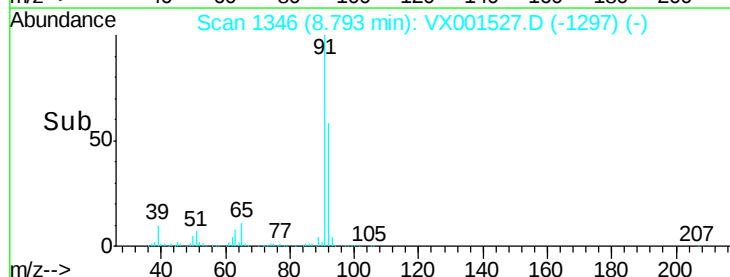
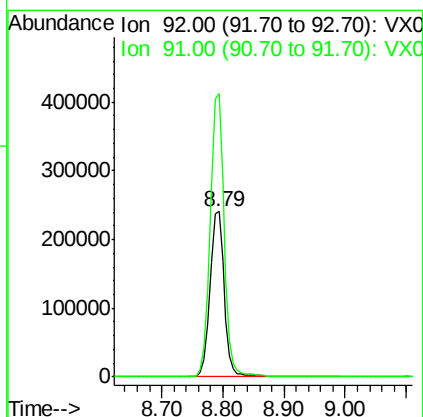
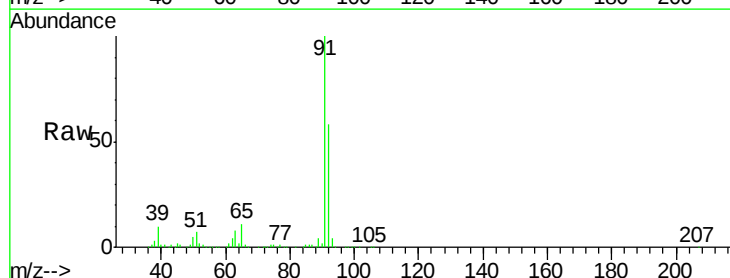
Acq: 08 May 2018 21:08

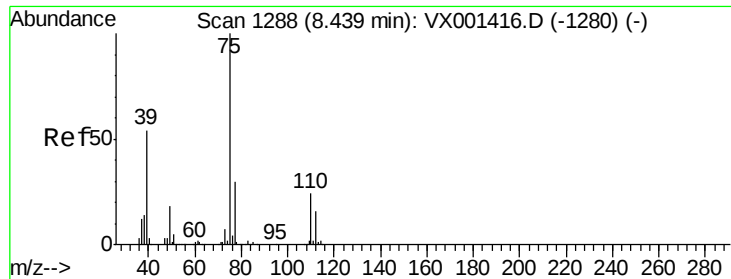
Tgt Ion: 92 Resp: 393160

Ion Ratio Lower Upper

92 100

91 169.0 135.2 202.8





#53

t-1,3-Dichloropropene

Concen: 55.92 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 229686

Ion Ratio Lower Upper

75 100

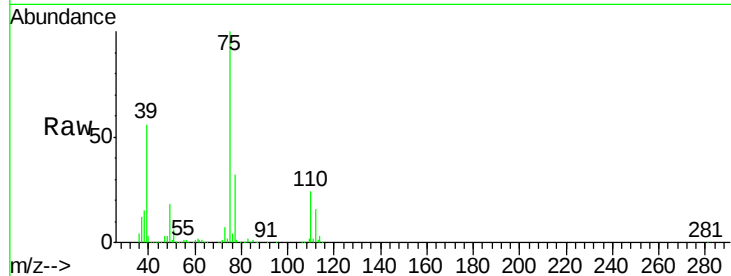
77 31.6 24.2 36.4

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.44

150000

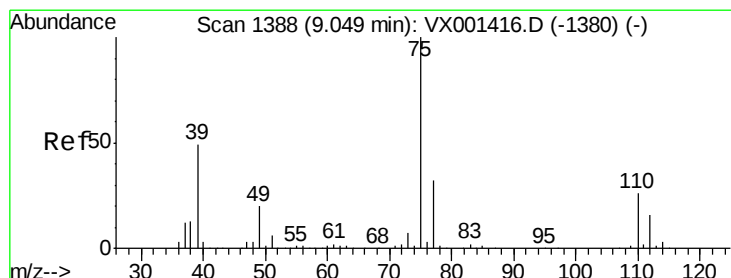
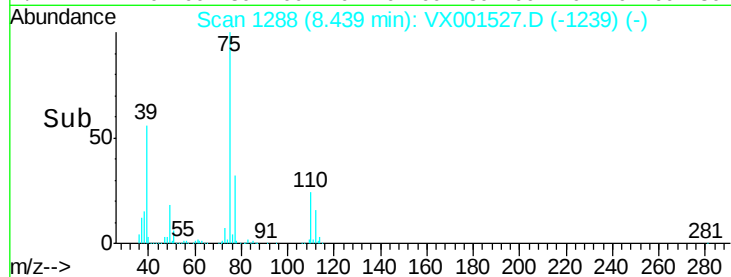
100000

50000

0

8.40 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.64 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

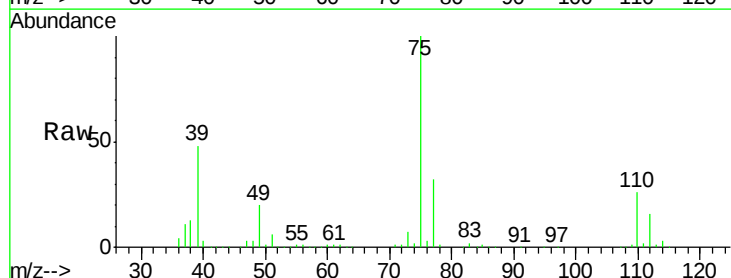
Tgt Ion: 75 Resp: 206294

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

39 47.5 38.9 58.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

9.05

200000

150000

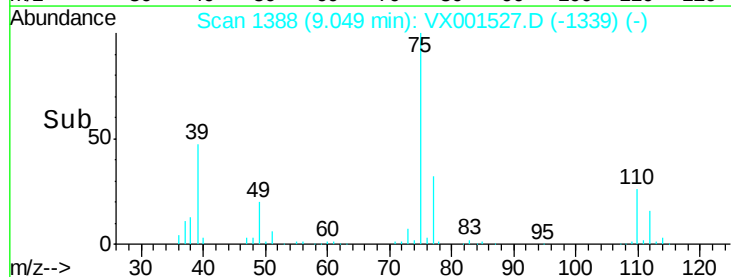
100000

50000

0

8.95 9.00 9.05 9.10 9.15

Time-->





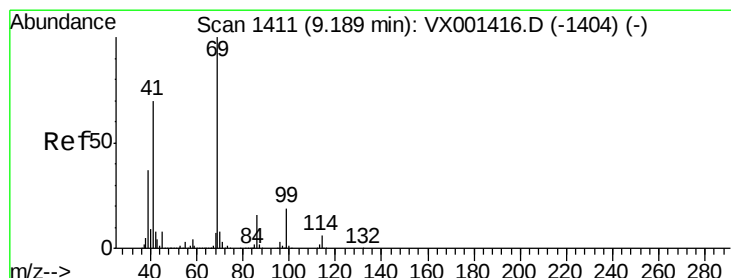
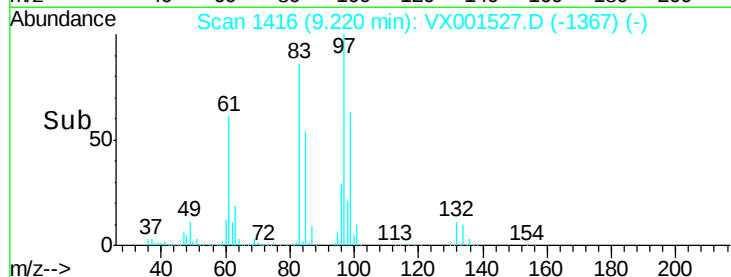
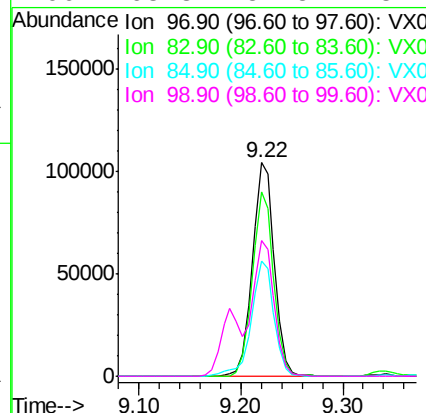
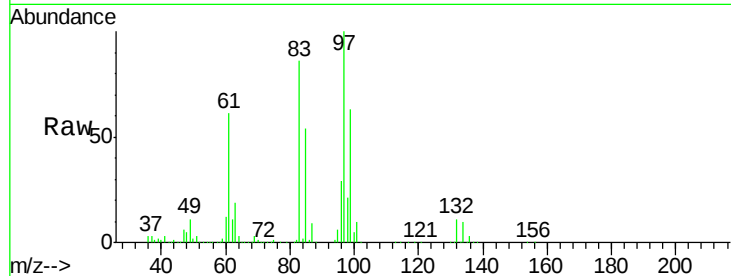
#55
 1,1,2-Trichloroethane
 Concen: 53.10 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001527.D
 Acq: 08 May 2018 21:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		155658		
83	86.1	67.4	101.0		
85	54.1	43.3	64.9		
99	63.3	52.5	78.7		

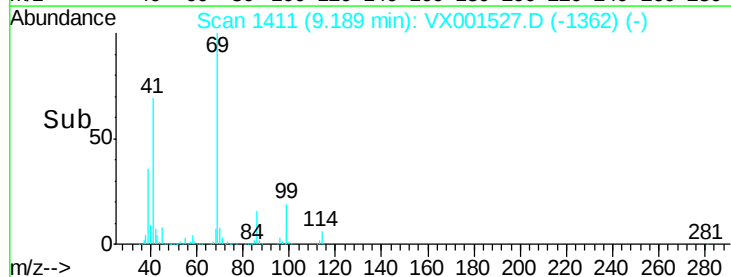
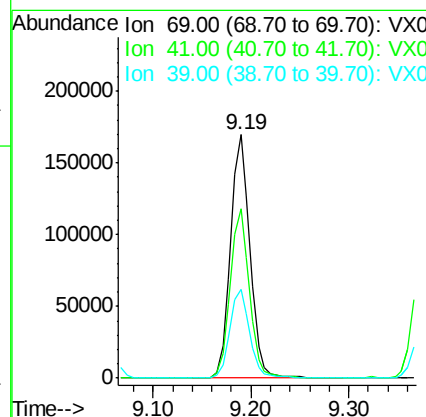
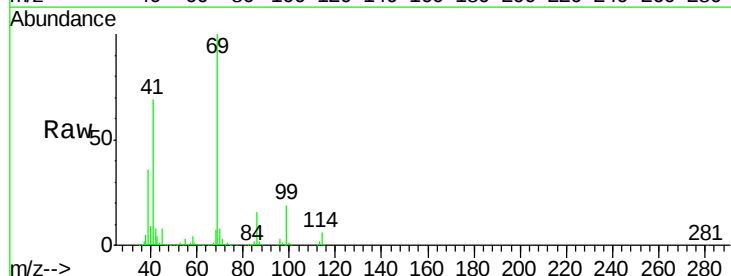
Manual Integrations
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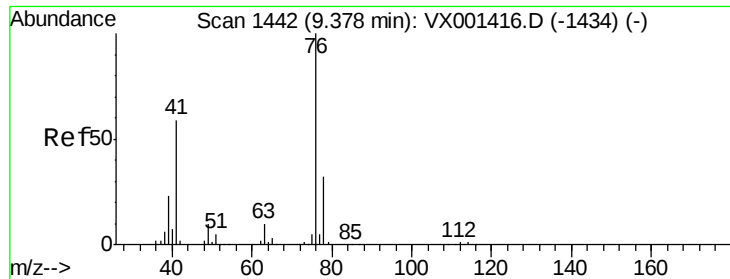
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 55.42 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001527.D
 Acq: 08 May 2018 21:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		234173		
41	68.8	55.1	82.7		
39	37.0	29.9	44.9		





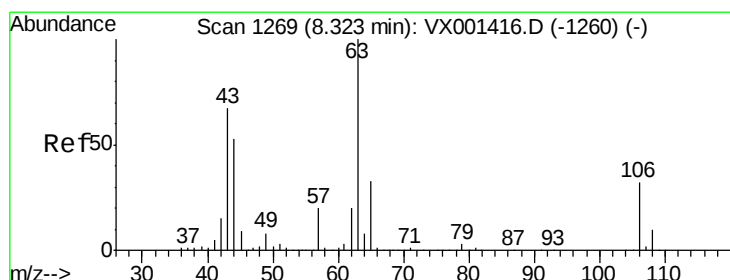
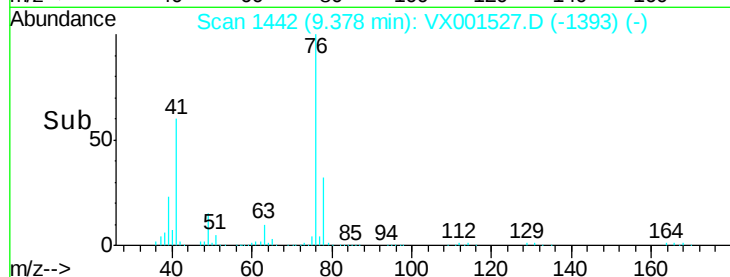
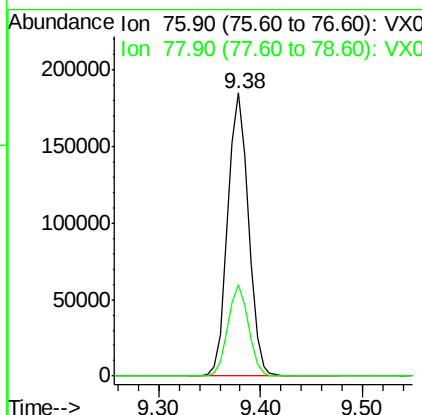
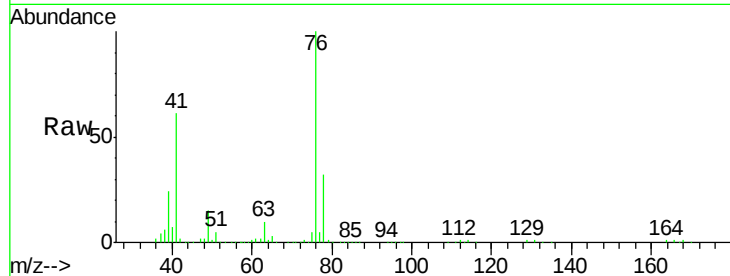
#57
 1,3-Dichloropropane
 Concen: 53.52 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001527.D
 Acq: 08 May 2018 21:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.6

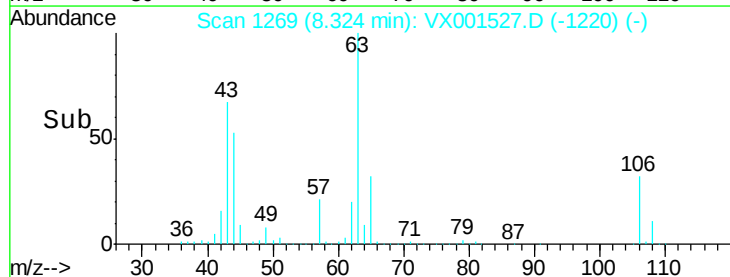
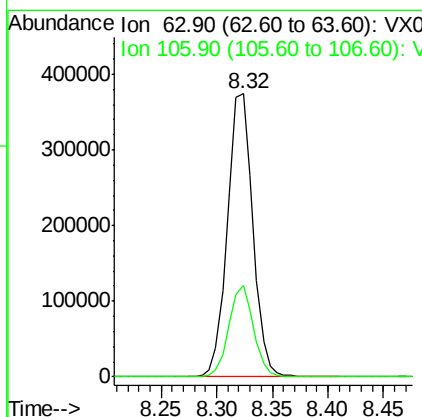
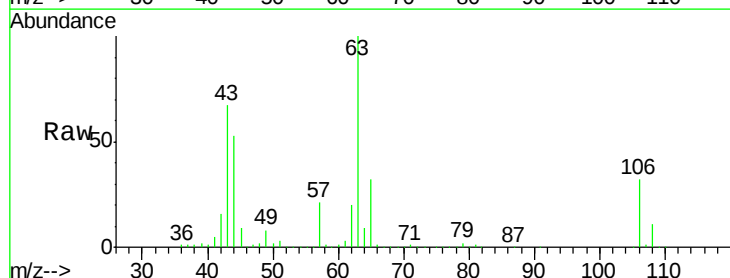
Manual Integrations
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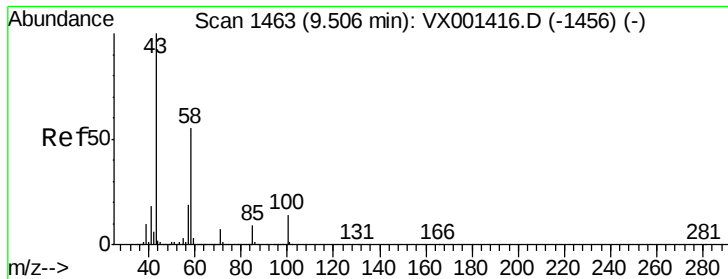
MMDadoda
 5/10/2018 1:11:27 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 285.36 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VX001527.D
 Acq: 08 May 2018 21:08

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.4	25.4	38.0





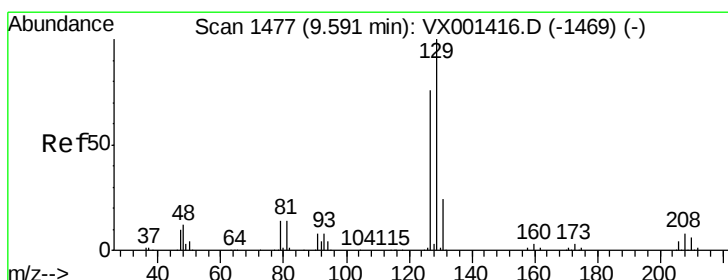
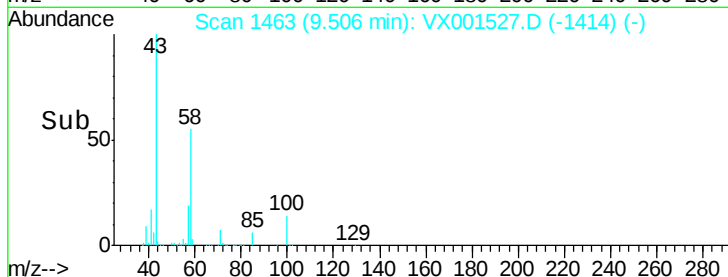
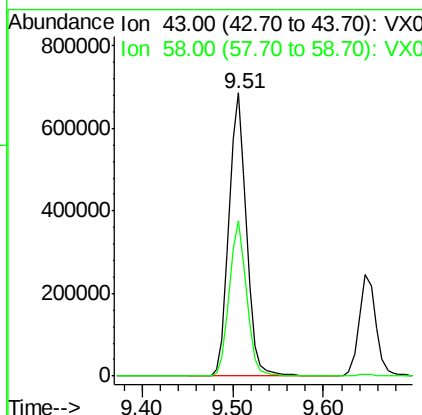
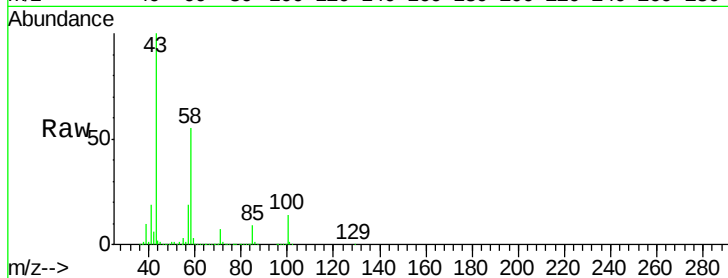
#59
2-Hexanone
Concen: 281.89 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.1	81.2

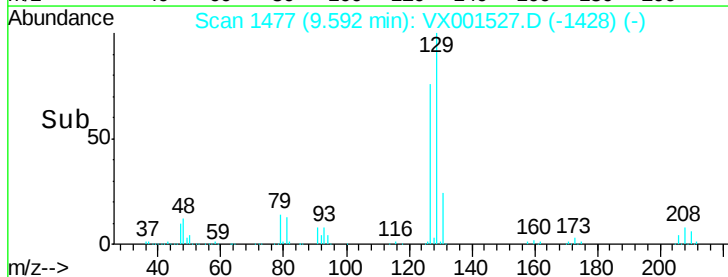
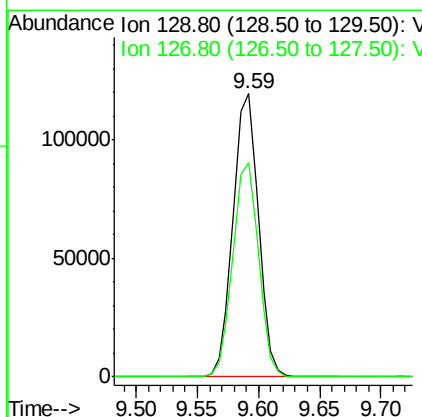
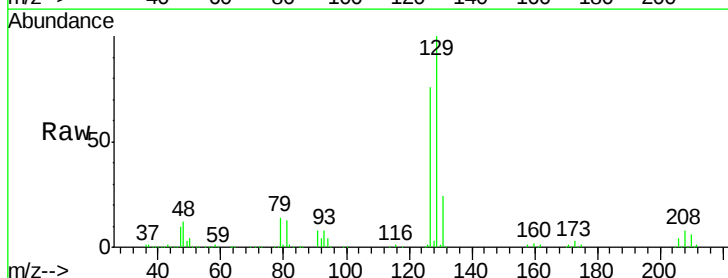
Manual Integrations
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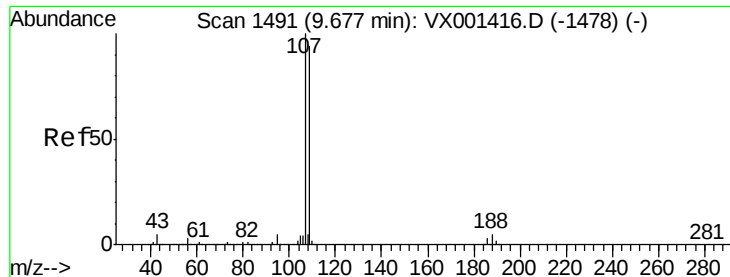
MMDadoda
5/10/2018 1:11:27 PM



#60
Dibromochloromethane
Concen: 57.23 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.1	114.5





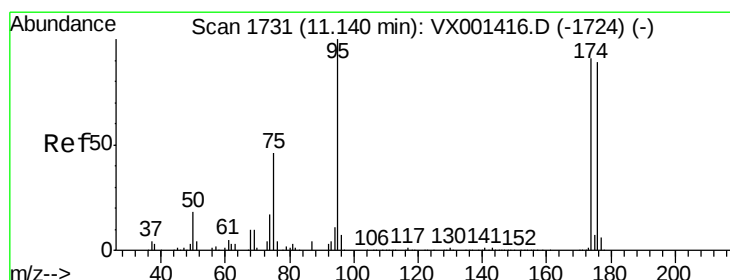
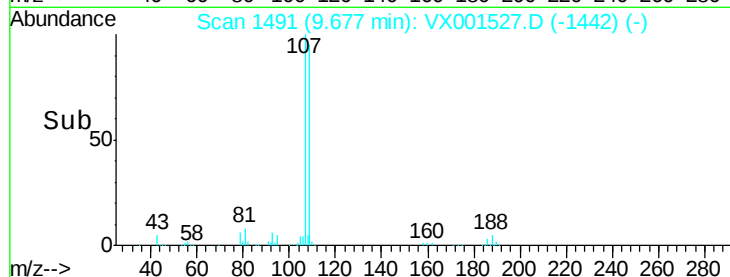
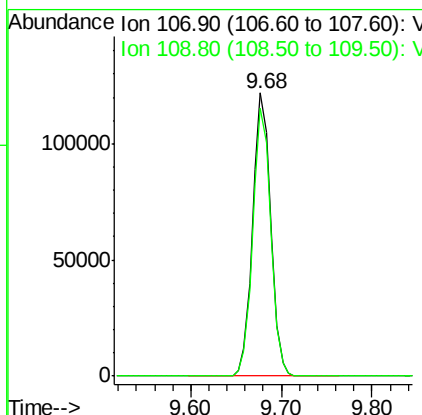
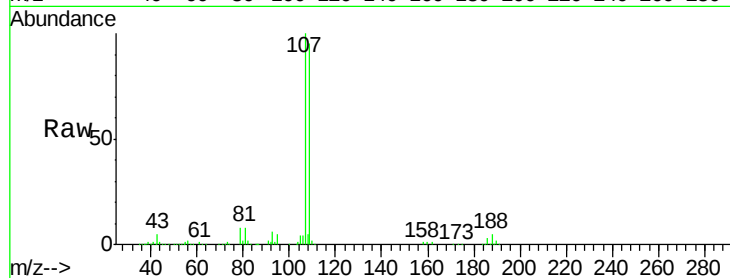
#61
 1,2-Dibromoethane
 Concen: 54.72 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX001527.D
 Acq: 08 May 2018 21:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	168430		
109	94.7	75.5	113.3	

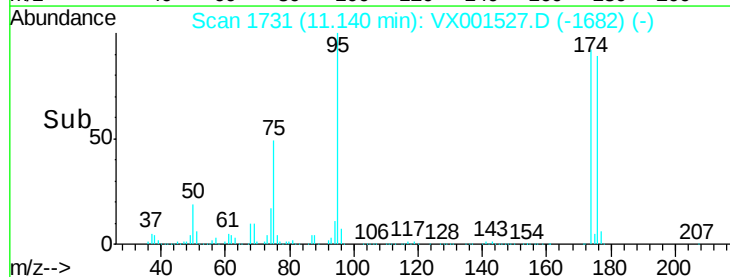
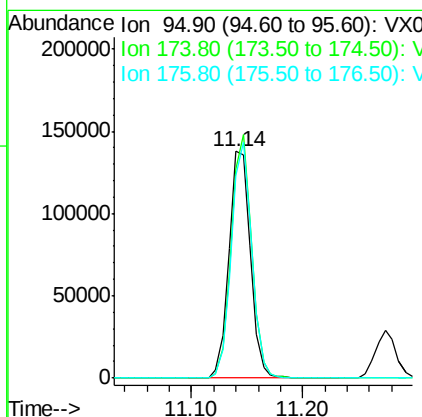
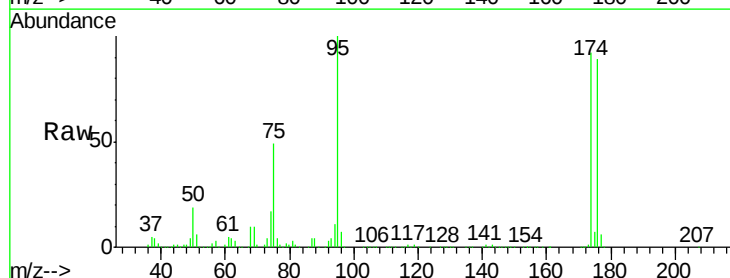
Manual Integrations
 APPROVED

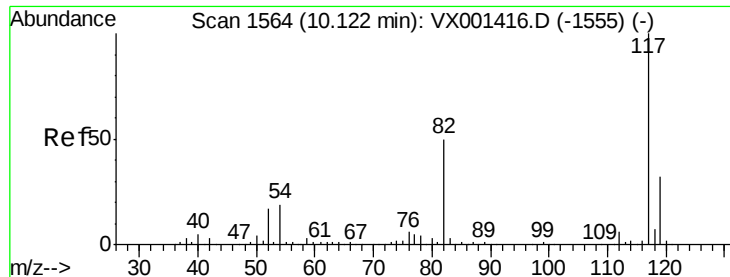
MMDadoda
 5/10/2018 1:11:27 PM



#62
 4-Bromofluorobenzene
 Concen: 49.15 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX001527.D
 Acq: 08 May 2018 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	183475		
174	101.8	0.0	202.0	
176	99.2	0.0	197.4	





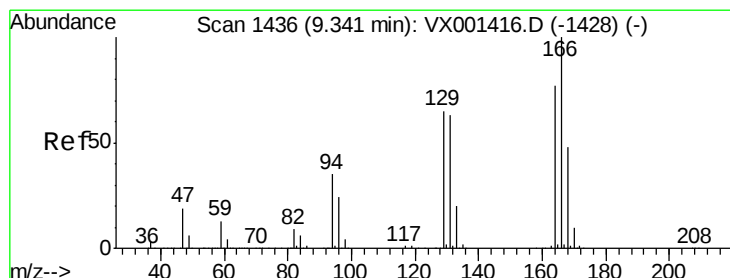
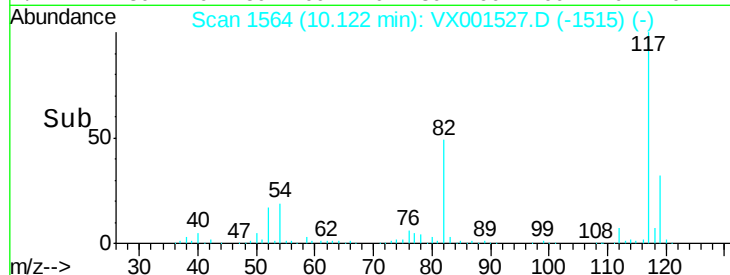
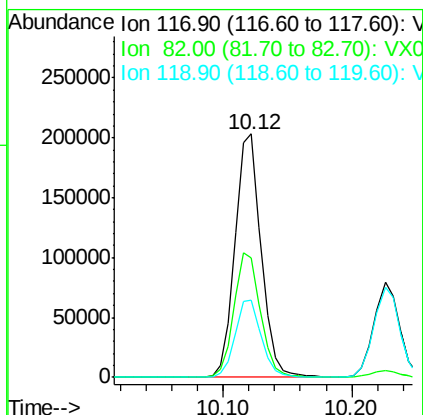
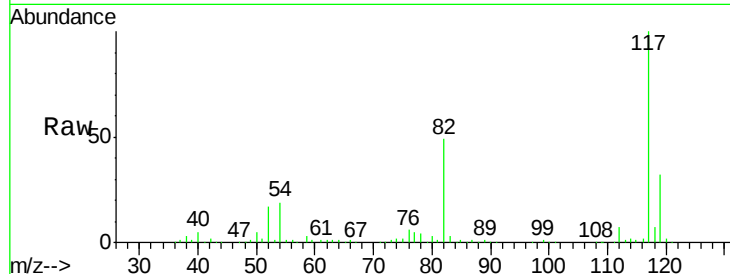
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.3	40.0	60.0
119	31.8	25.8	38.8

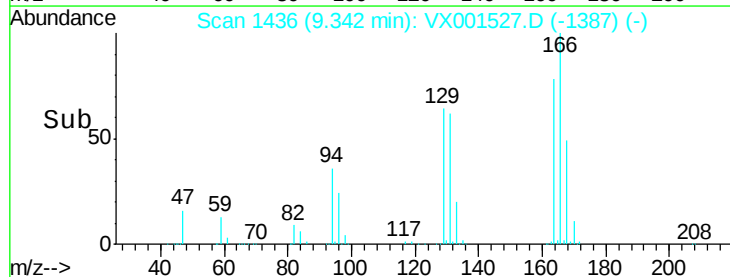
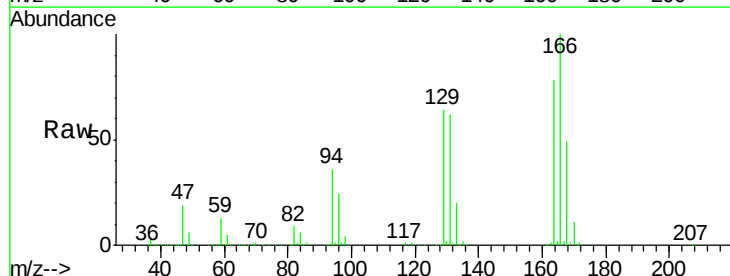
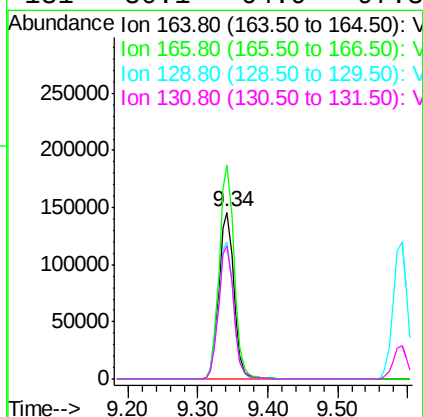
Manual Integrations
APPROVED

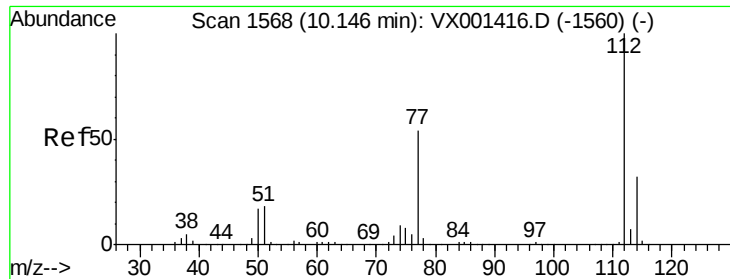
MMDadoda
5/10/2018 1:11:27 PM



#64
Tetrachloroethene
Concen: 54.53 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	103.5	155.3
129	82.0	66.7	100.1
131	80.1	64.9	97.3





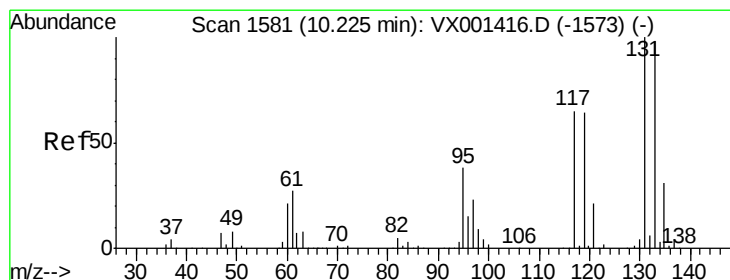
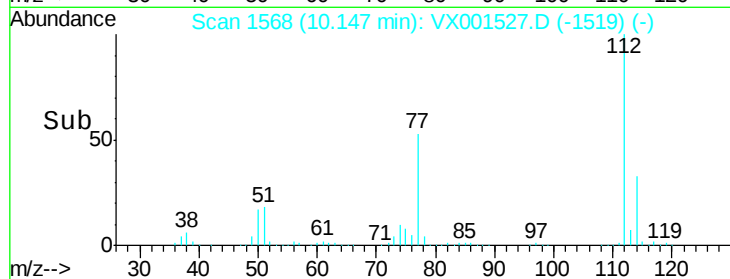
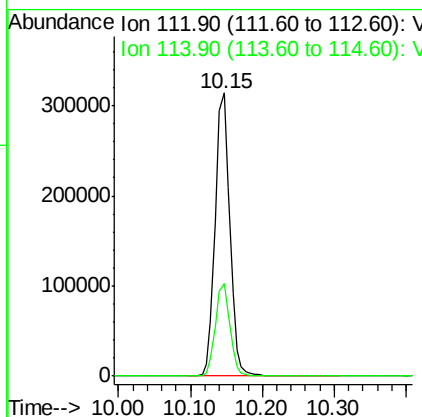
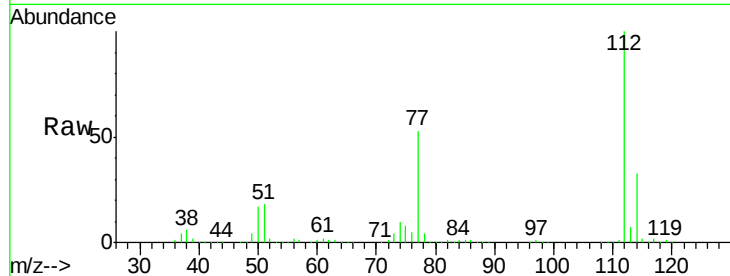
#65
Chlorobenzene
Concen: 52.73 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion:112 Resp: 444625
Ion Ratio Lower Upper
112 100
114 32.7 26.0 39.0

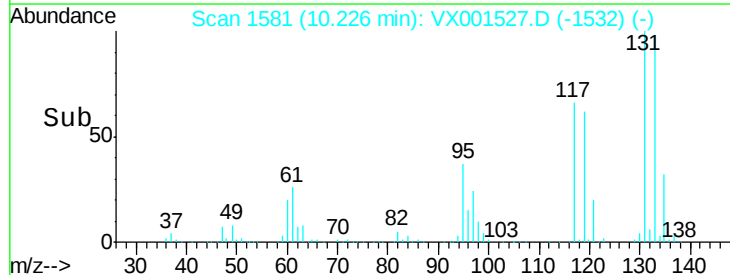
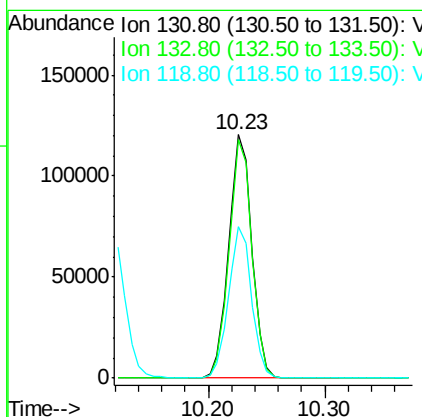
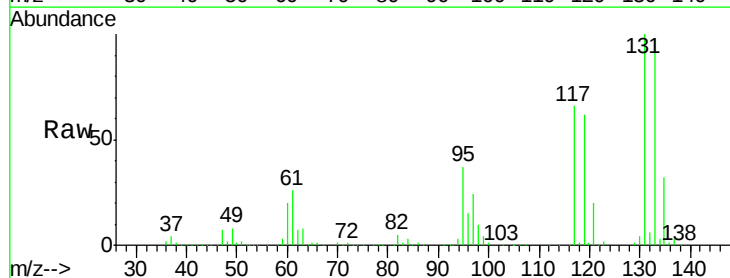
Manual Integrations
APPROVED

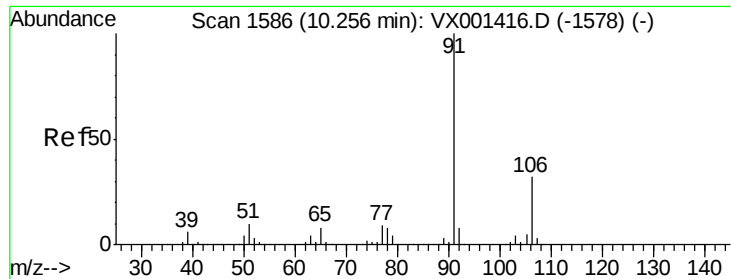
MMDadoda
5/10/2018 1:11:27 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.22 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Tgt Ion:131 Resp: 166545
Ion Ratio Lower Upper
131 100
133 96.6 47.9 143.8
119 61.9 31.1 93.3





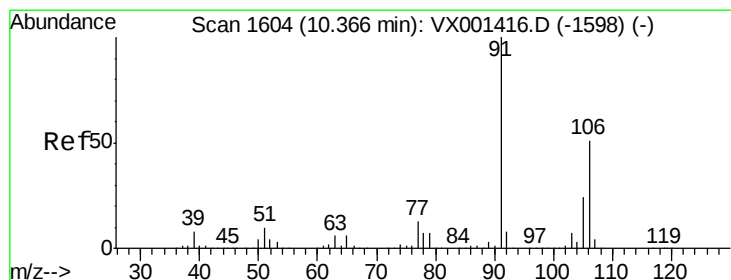
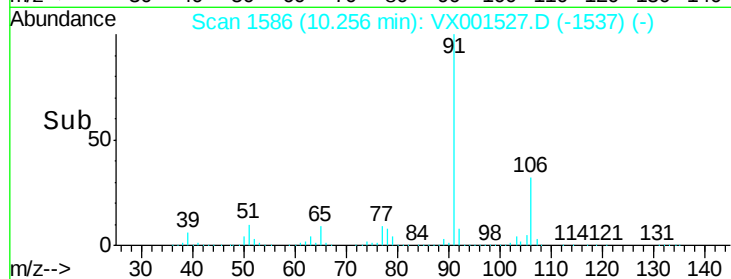
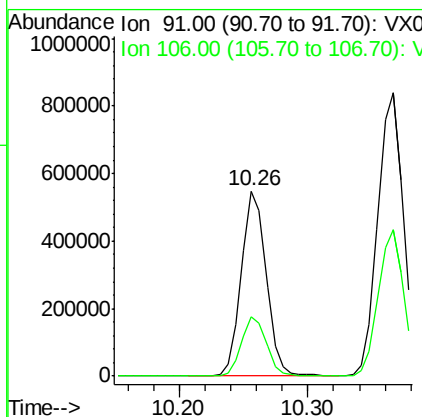
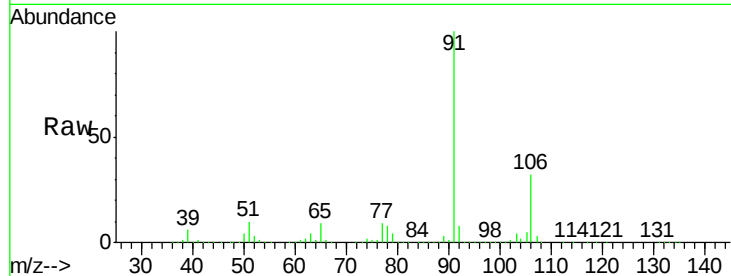
#67
Ethyl Benzene
Concen: 53.38 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 737700
Ion Ratio Lower Upper
91 100
106 32.2 25.5 38.3

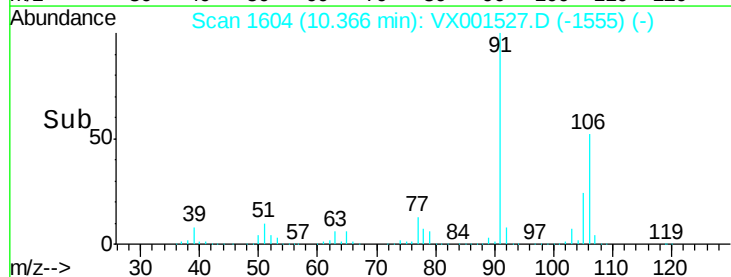
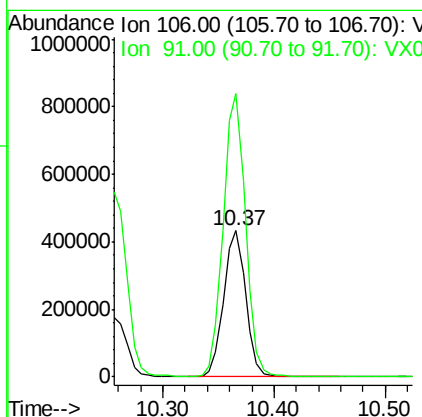
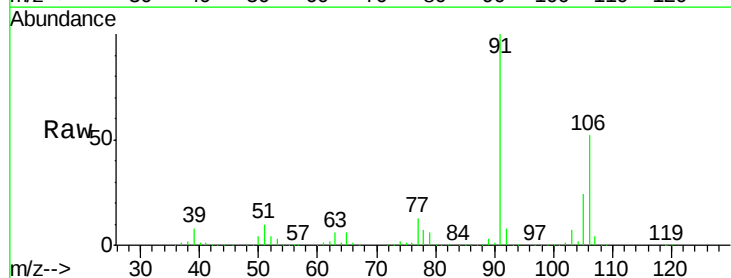
Manual Integrations
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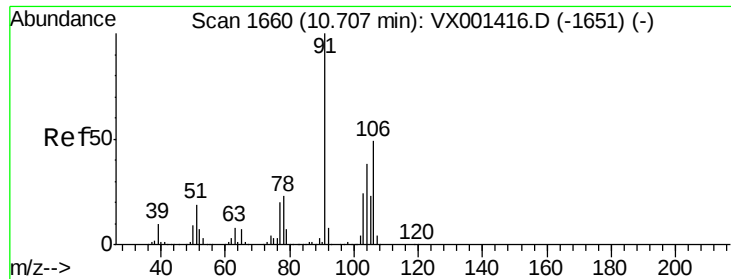
MMDadoda
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#68
m/p-Xylenes
Concen: 108.71 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Tgt Ion: 106 Resp: 593614
Ion Ratio Lower Upper
106 100
91 196.2 157.5 236.3





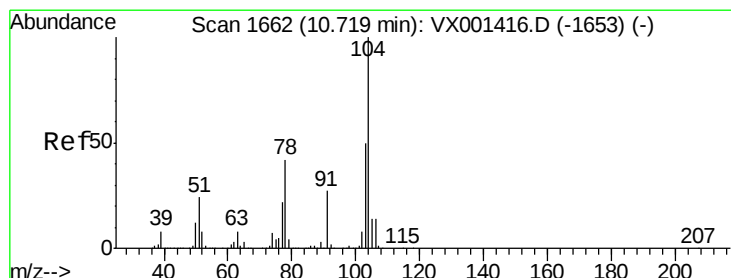
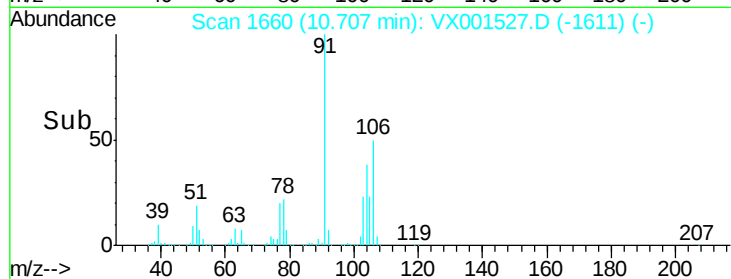
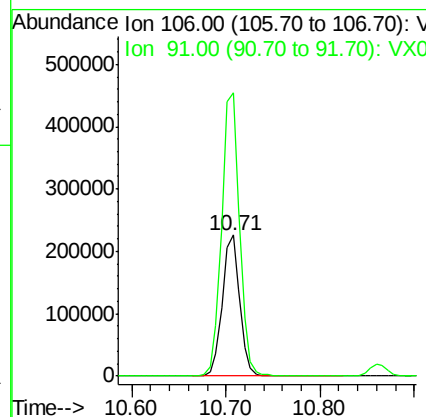
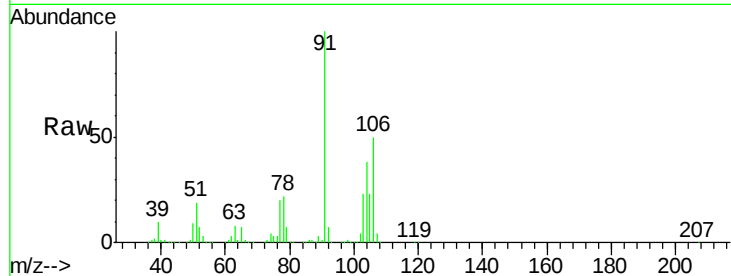
#69
o-Xylene
Concen: 54.86 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.3	103.1	309.1

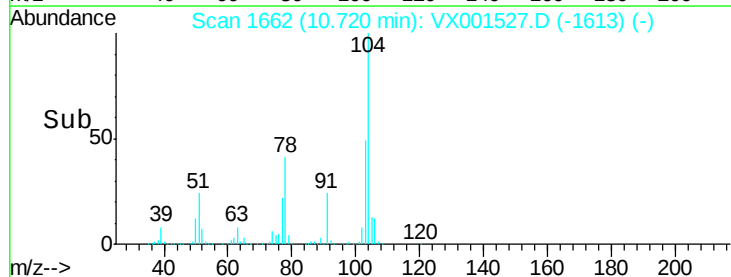
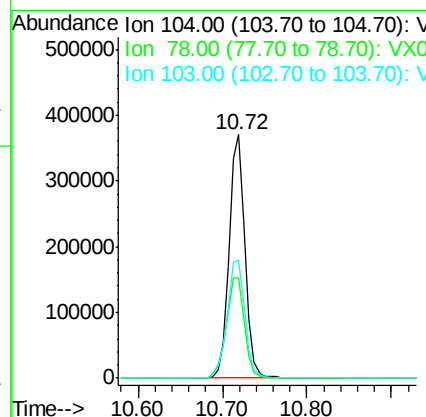
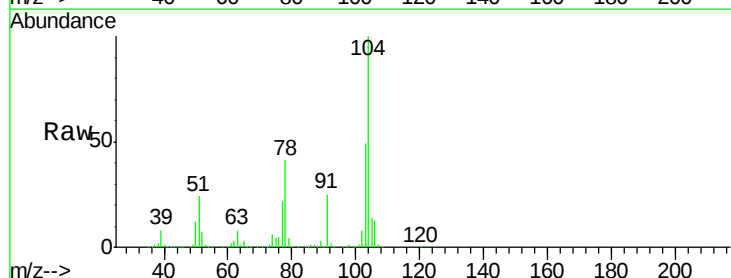
Manual Integrations
APPROVED

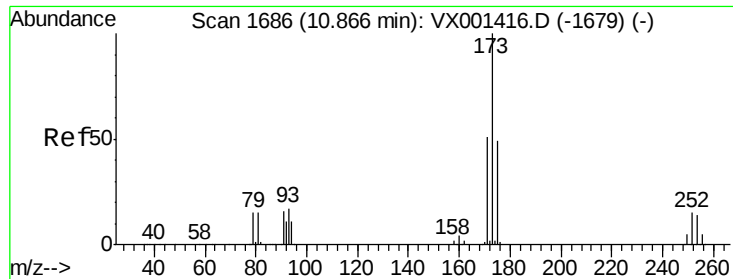
MMDadoda
5/10/2018 1:11:27 PM



#70
Styrene
Concen: 55.97 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.3	38.6	58.0
103	54.5	44.0	66.0





#71

Bromoform

Concen: 48.63 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 140750

Ion Ratio Lower Upper

173 100

175 48.9 24.5 73.5

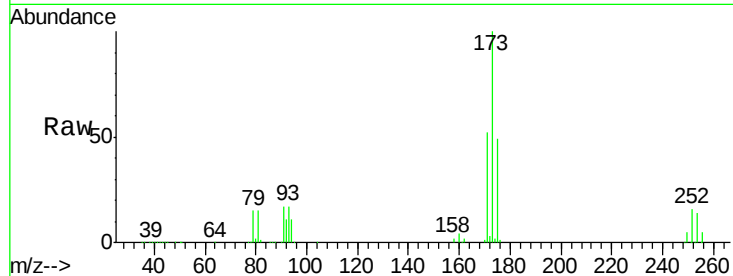
254 0.3 0.2 0.2#

Manual Integrations

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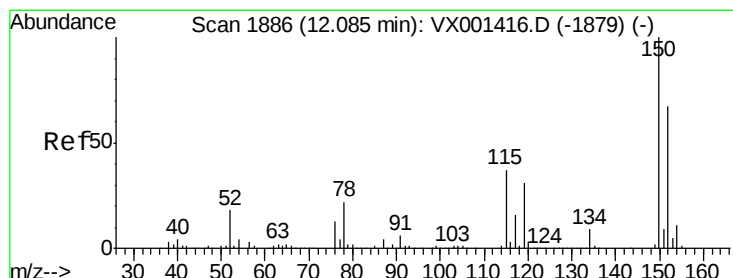
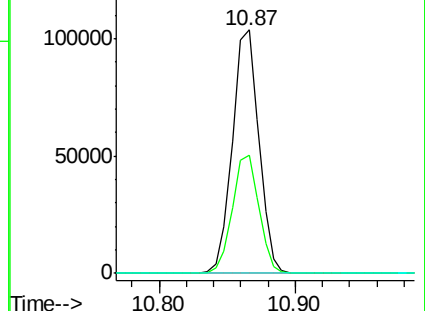
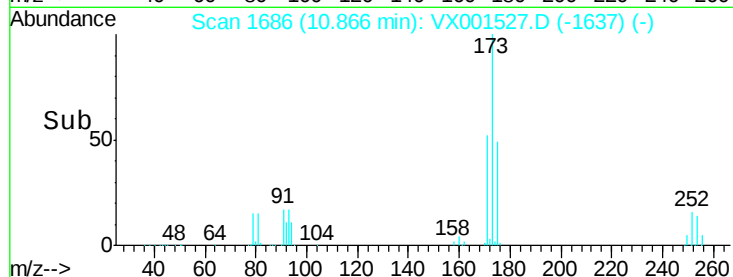
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

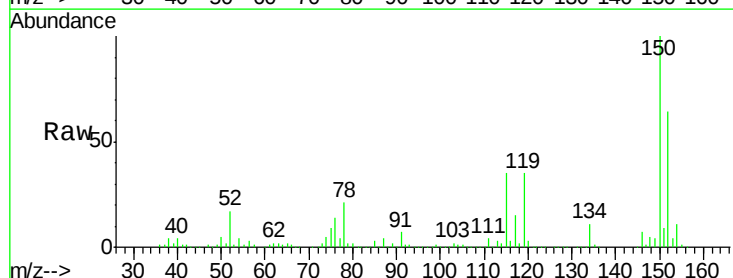
Tgt Ion:152 Resp: 211883

Ion Ratio Lower Upper

152 100

115 76.8 37.7 113.1

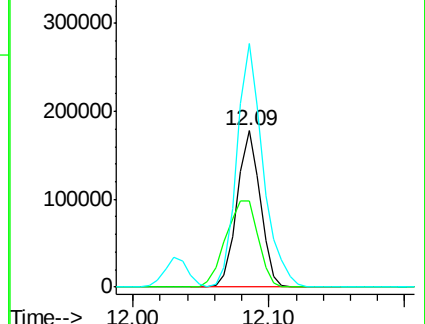
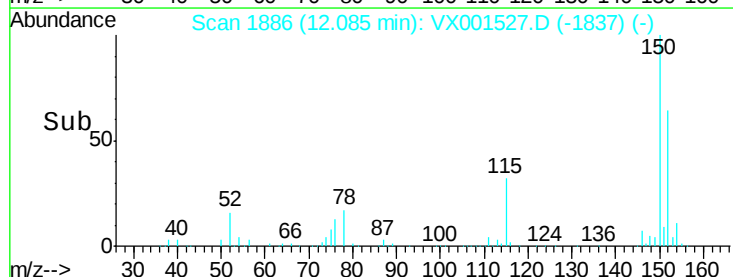
150 175.0 0.0 349.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.03 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 777915

Ion Ratio Lower Upper

105 100

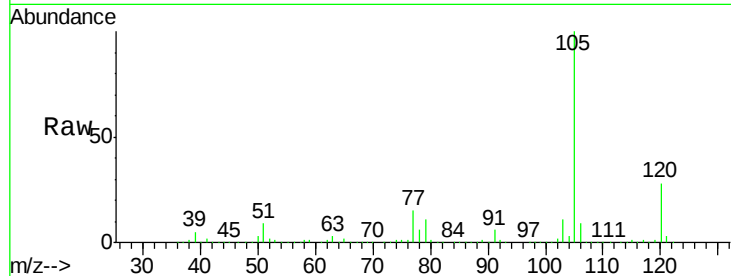
120 27.7 13.6 40.8

Manual Integrations

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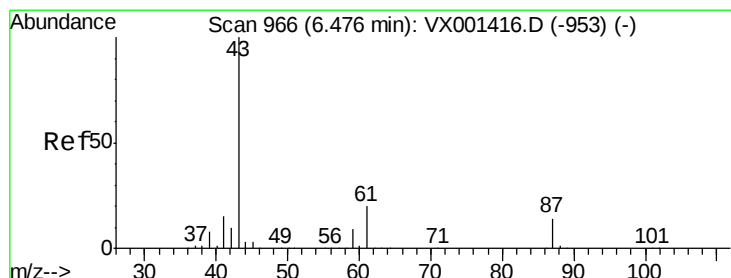
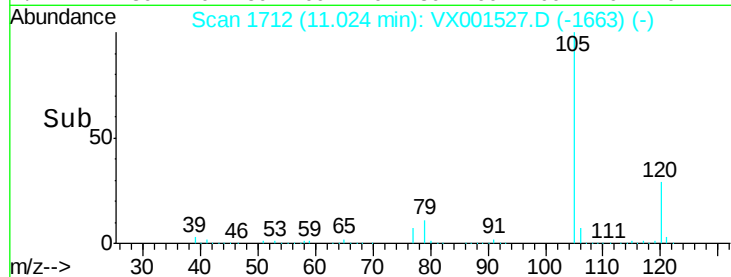
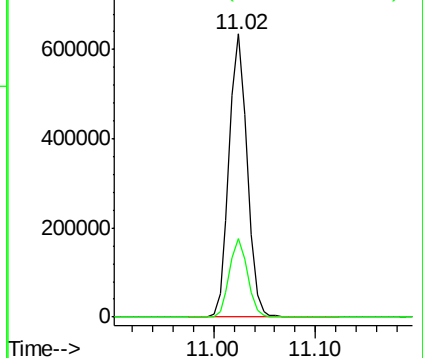
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.15 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

Tgt Ion: 43 Resp: 354088

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

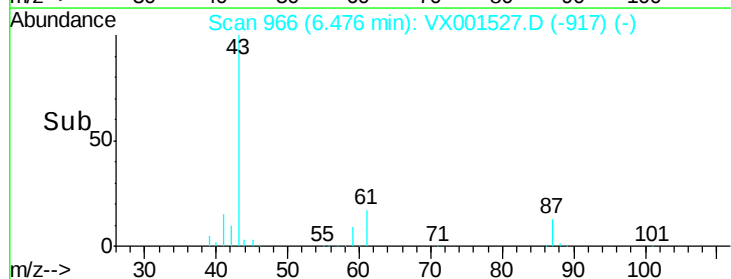
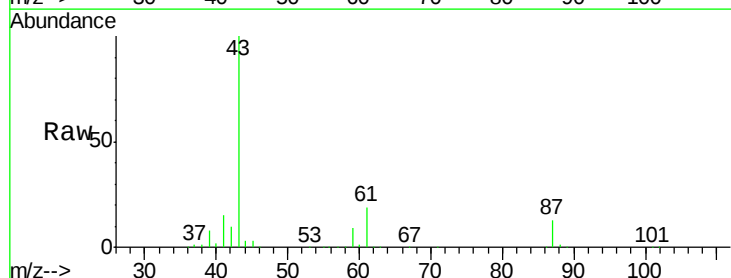
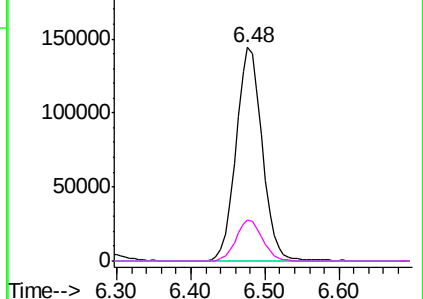
61 19.3 15.4 23.0

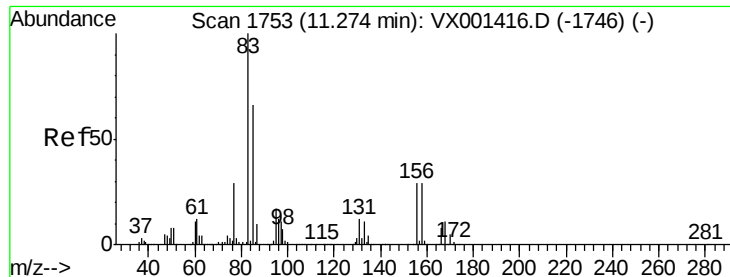
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.65 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 228071

Ion Ratio Lower Upper

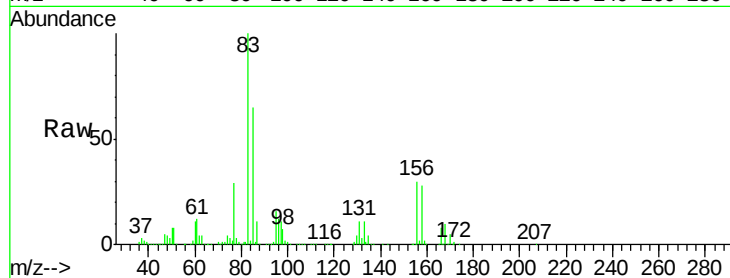
83 100

131 11.6 5.8 17.4

85 65.6 32.7 98.1

Manual Integrations
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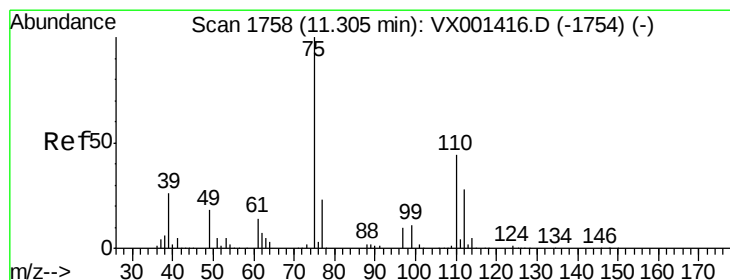
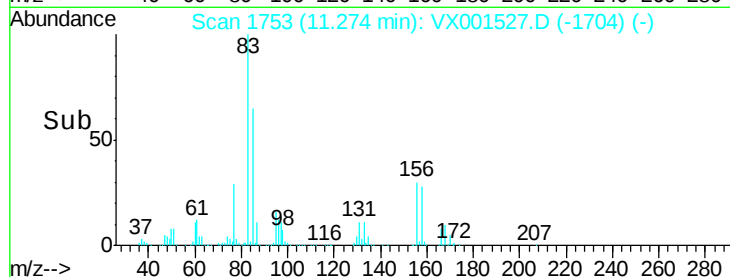
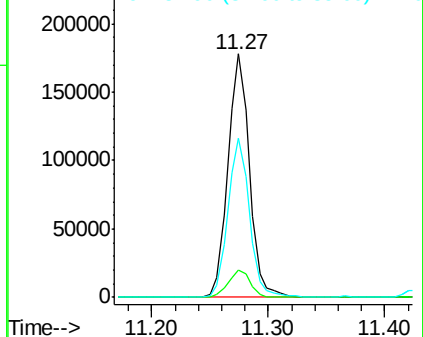
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 52.68 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX001527.D

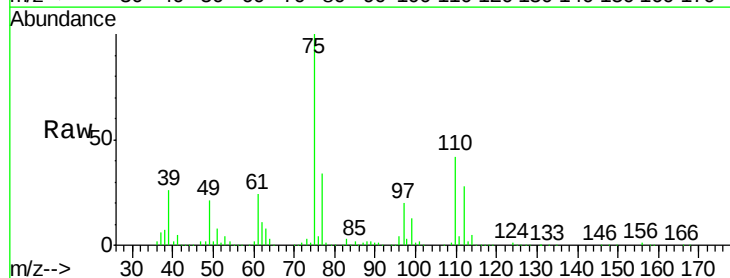
Acq: 08 May 2018 21:08

Tgt Ion: 75 Resp: 226371

Ion Ratio Lower Upper

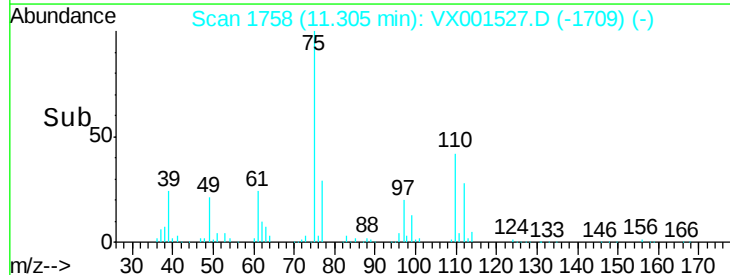
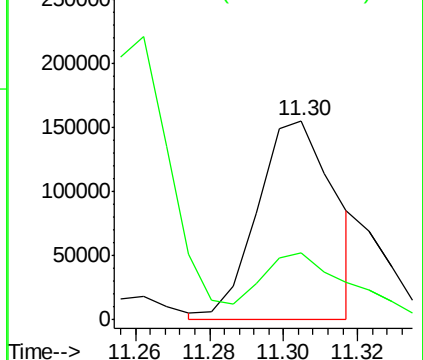
75 100

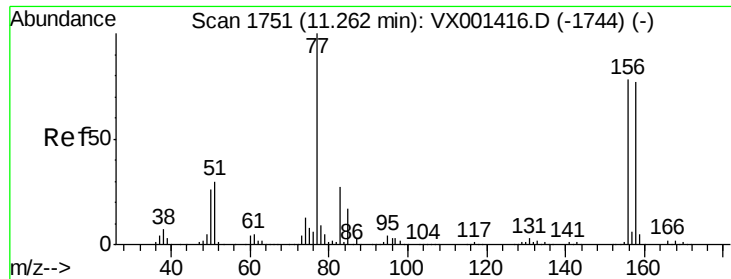
77 38.5 19.6 58.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 51.43 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

Instrument :

MSVOA_X

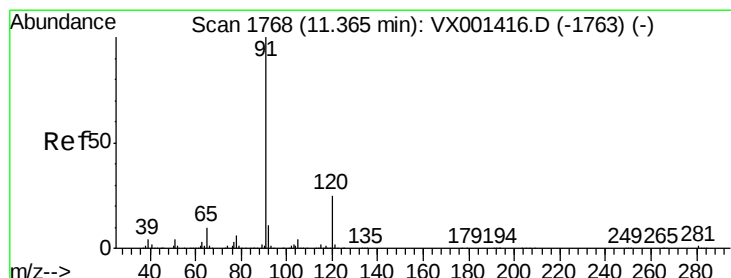
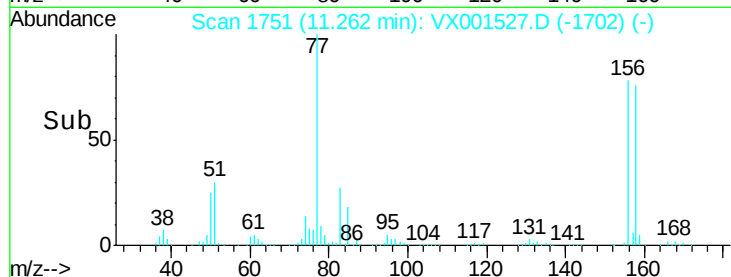
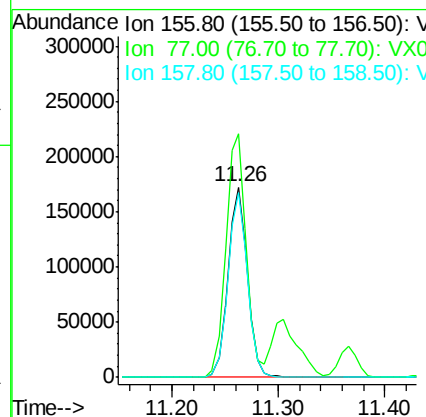
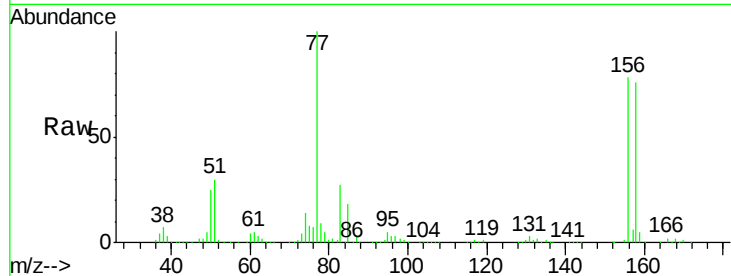
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	219326
Ion Ratio	Lower	Upper	
156	100		
77	133.5	66.0	198.2
158	97.2	49.4	148.2

Manual Integrations
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#78

n-propylbenzene

Concen: 53.77 ug/l

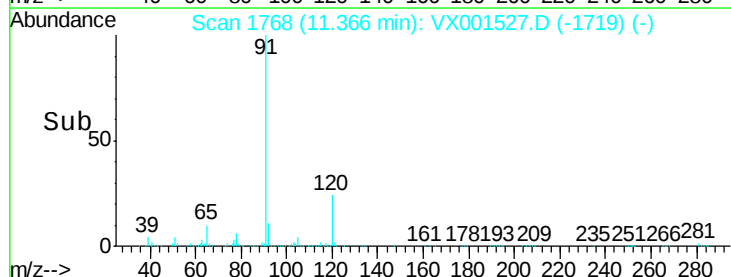
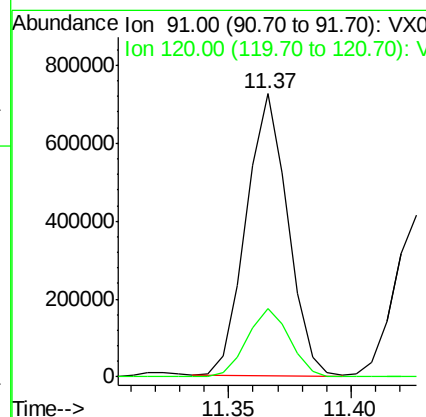
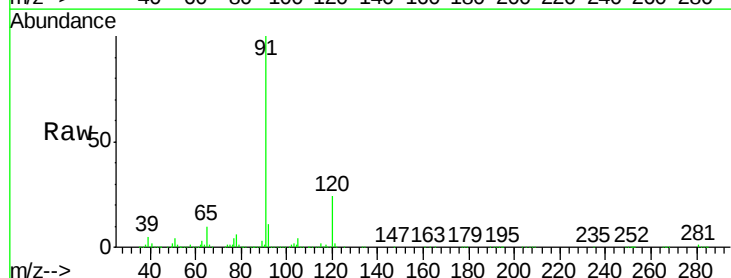
RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

Tgt Ion:	91	Resp:	858866
Ion Ratio	Lower	Upper	
91	100		
120	24.7	12.5	37.5





#79

2-Chlorotoluene

Concen: 52.29 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 513938

Ion Ratio Lower Upper

91 100

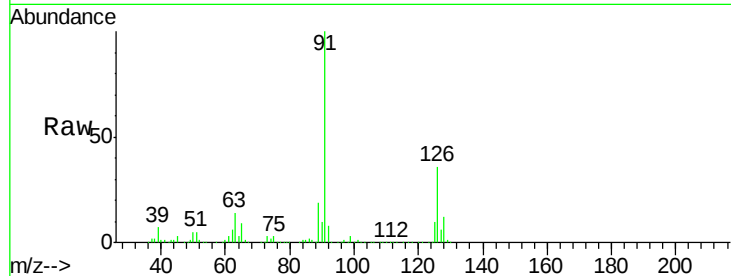
126 36.7 18.1 54.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX001416.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX001416.D (-1773) (-)

800000

600000

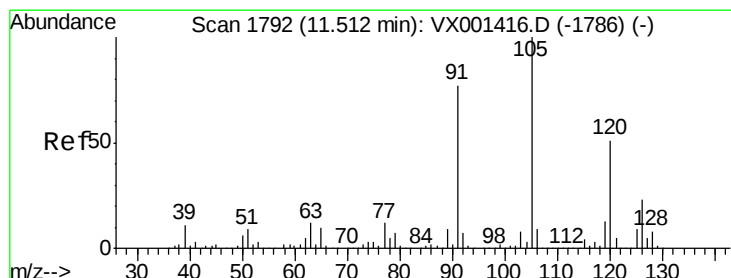
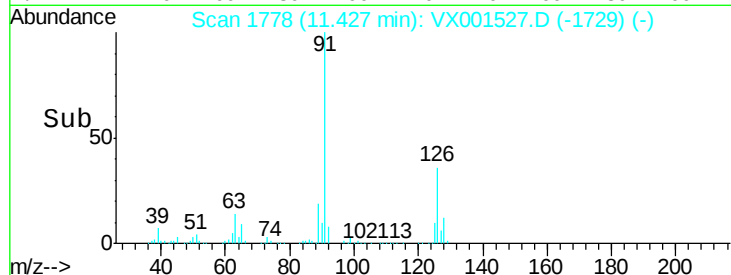
400000

200000

0

11.40 11.43 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.29 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001527.D

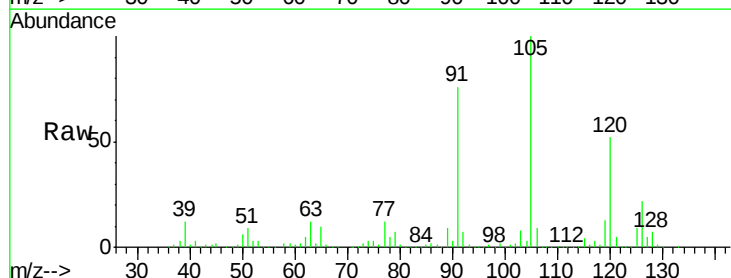
Acq: 08 May 2018 21:08

Tgt Ion: 105 Resp: 650755

Ion Ratio Lower Upper

105 100

120 51.2 25.7 77.1



Abundance Ion 105.00 (104.70 to 105.70): VX001416.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX001416.D (-1786) (-)

600000

500000

400000

300000

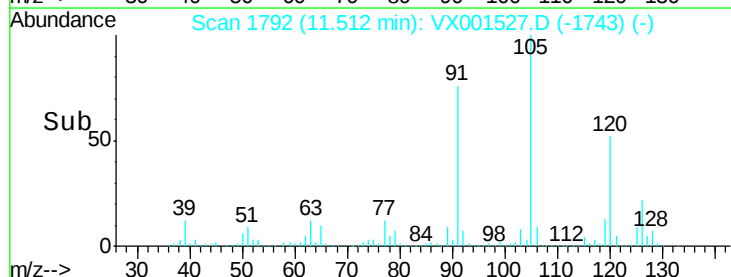
200000

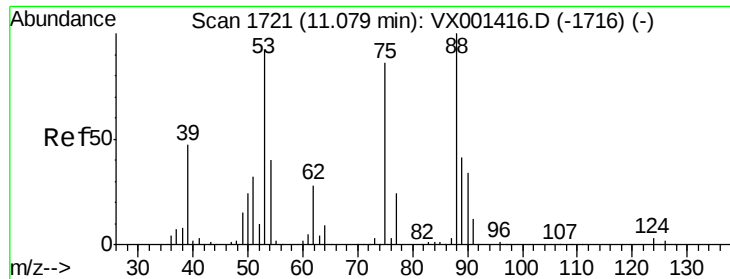
100000

0

11.50 11.51 11.60

Time-->





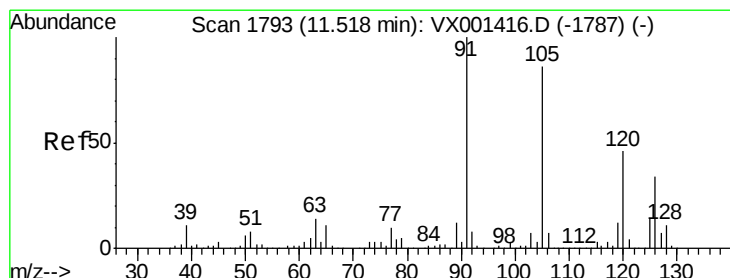
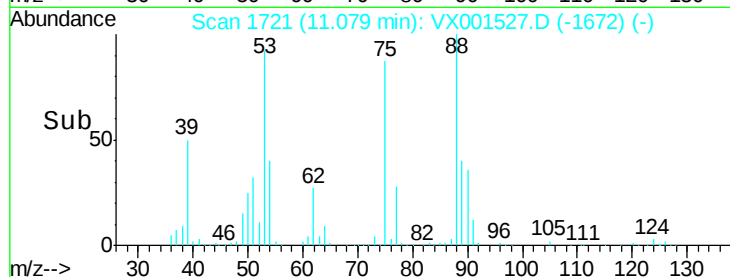
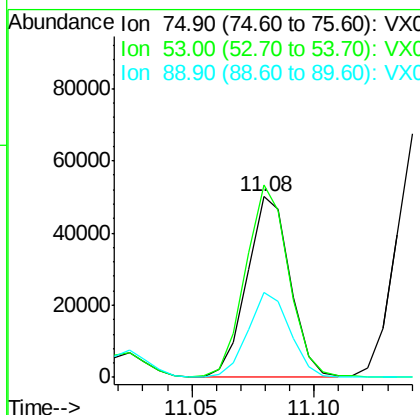
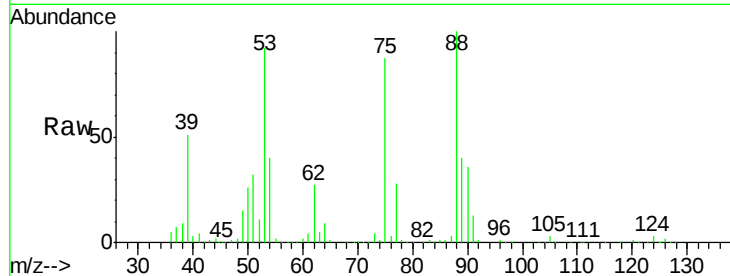
#81
trans-1,4-Dichloro-2-butene
Concen: 45.75 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.1	84.5	126.7
89	46.3	39.5	59.3

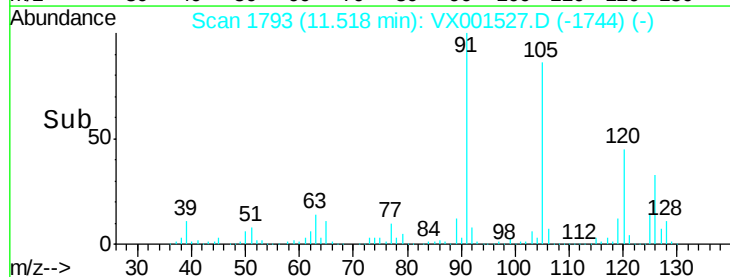
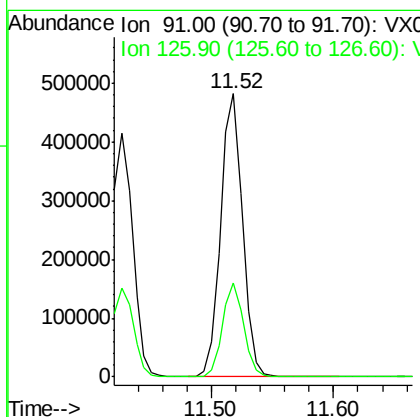
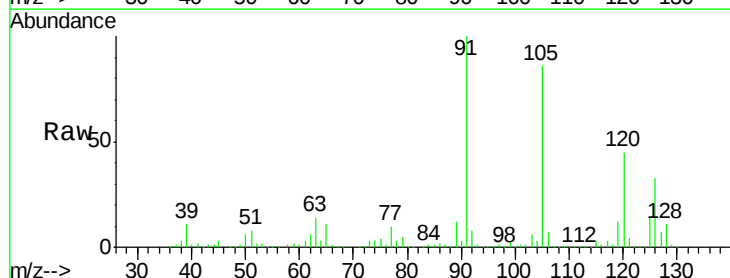
Manual Integrations
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#82
4-Chlorotoluene
Concen: 52.98 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.2	48.5





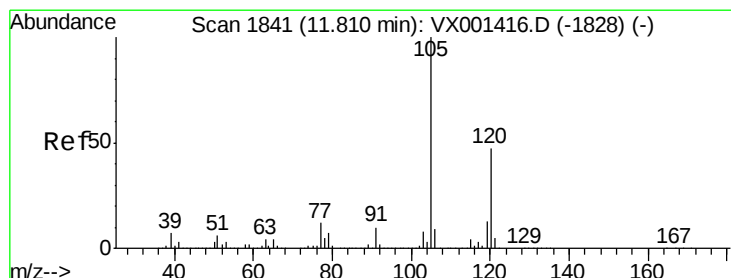
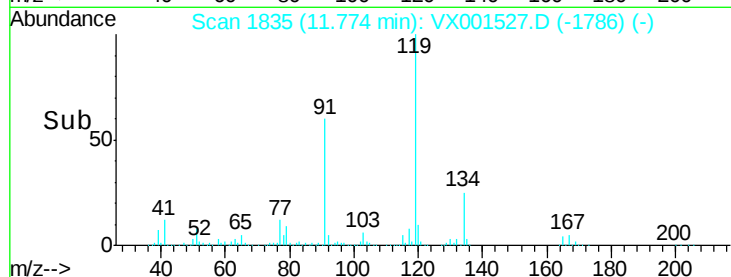
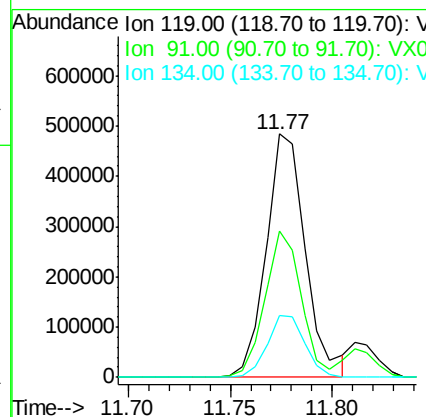
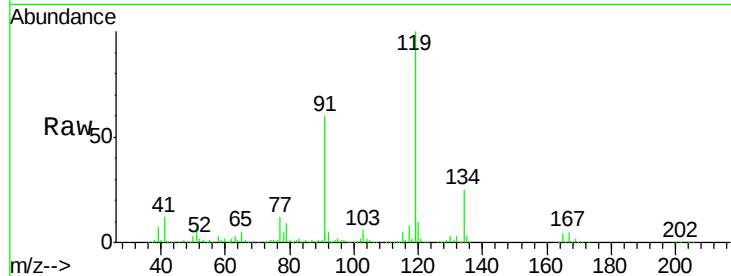
#83
tert-Butylbenzene
Concen: 53.50 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.5	27.8	83.3
134	24.6	12.4	37.0

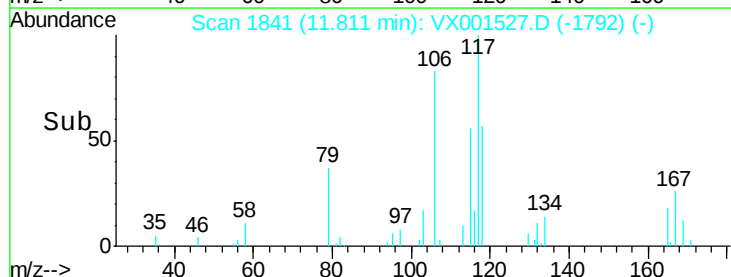
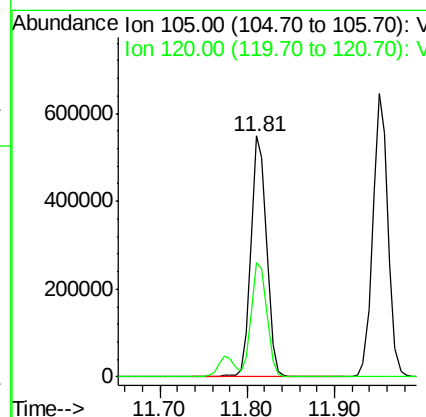
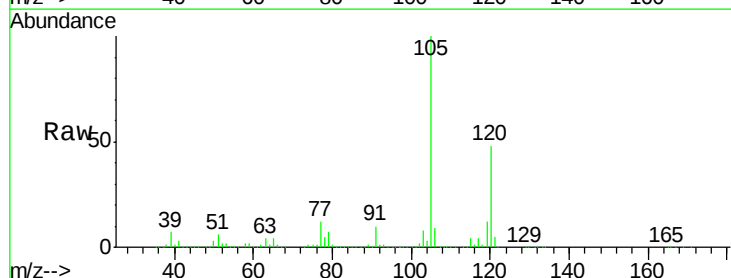
Manual Integrations
APPROVED

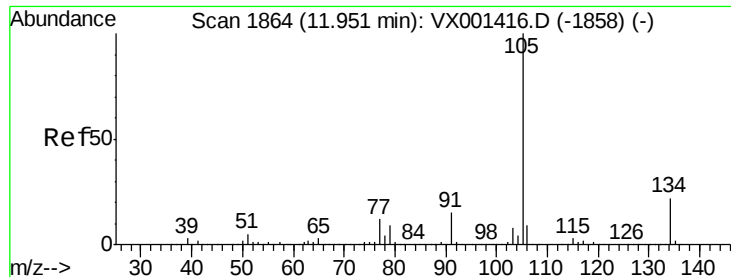
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 53.73 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.4	70.2





#85

sec-Butylbenzene

Concen: 54.01 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 787692

Ion Ratio Lower Upper

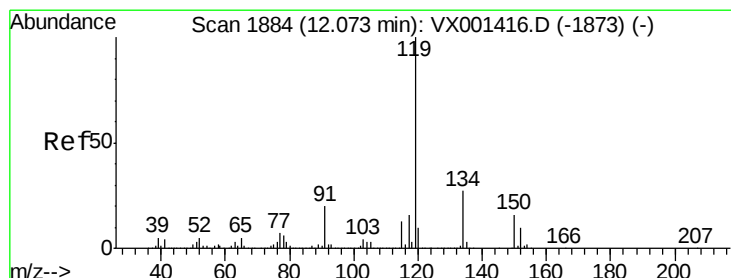
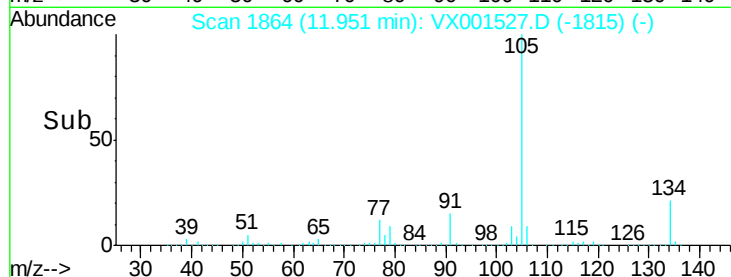
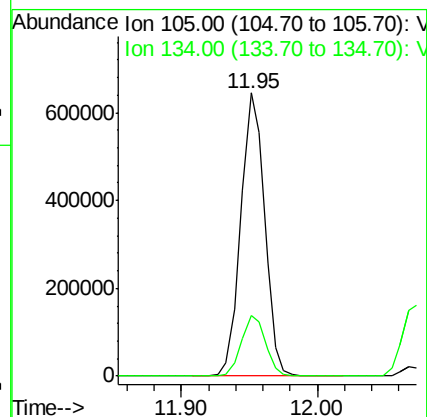
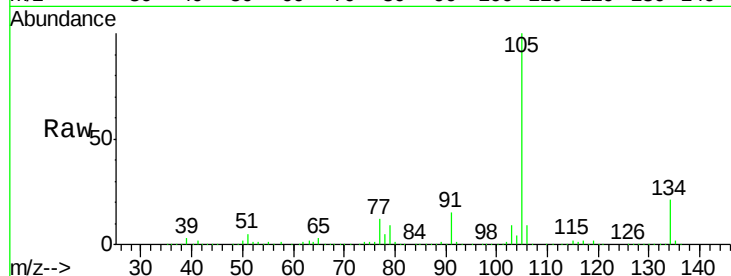
105 100

134 21.6 10.9 32.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 54.08 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

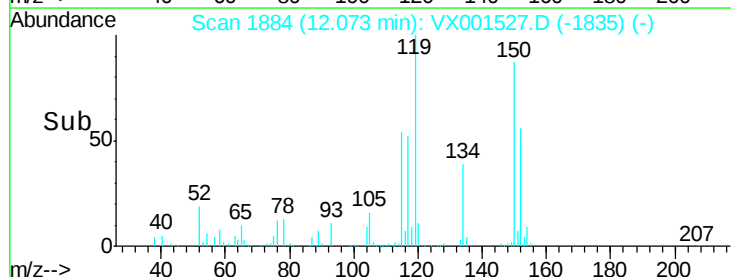
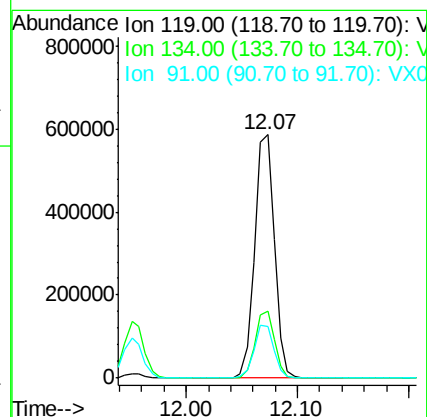
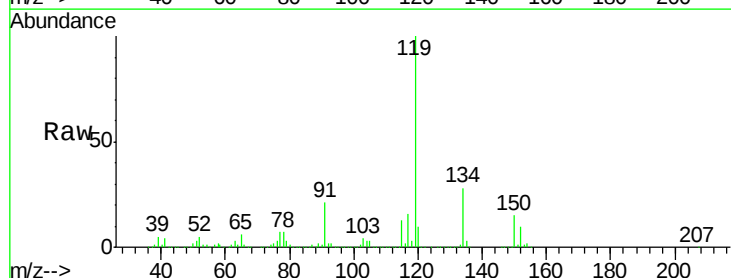
Tgt Ion:119 Resp: 723567

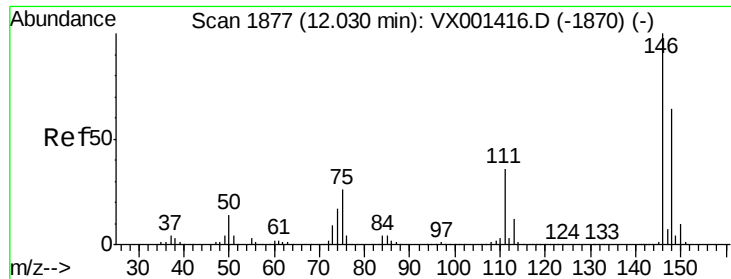
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

91 21.6 10.8 32.3





#87

1,3-Dichlorobenzene

Concen: 51.67 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

Instrument :

MSVOA_X

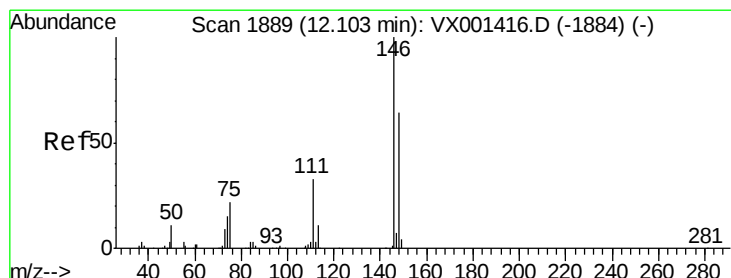
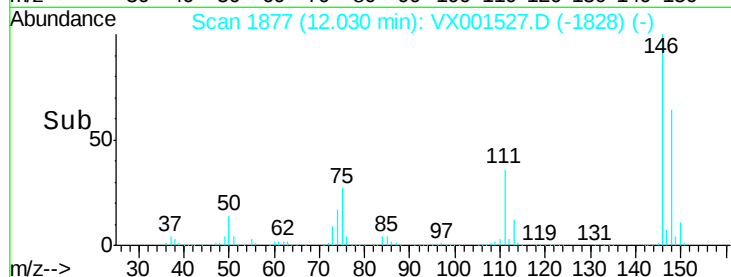
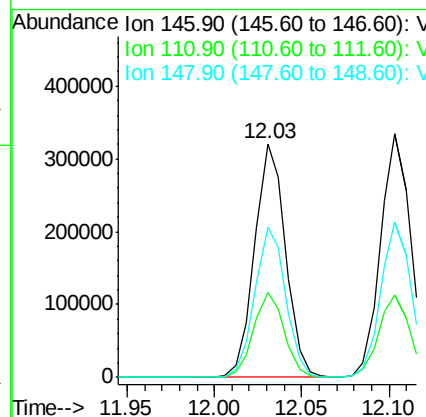
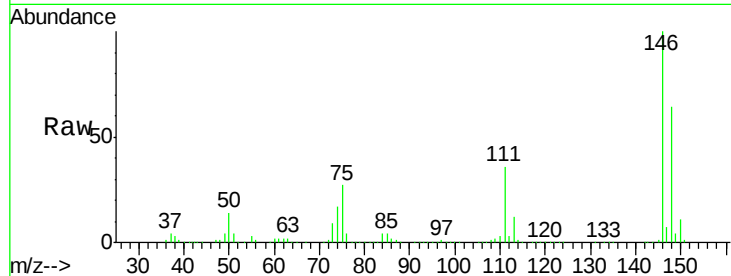
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	393858
Ion Ratio	Lower	Upper	
146	100		
111	36.0	18.1	54.1
148	64.4	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 51.62 ug/l

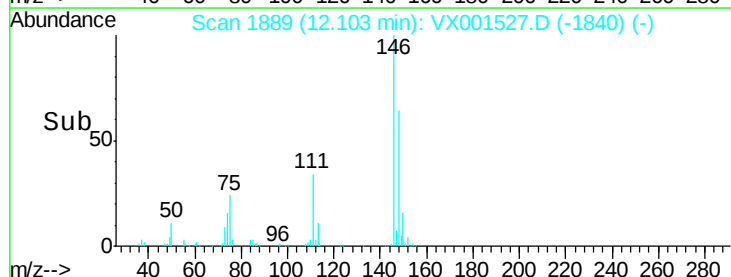
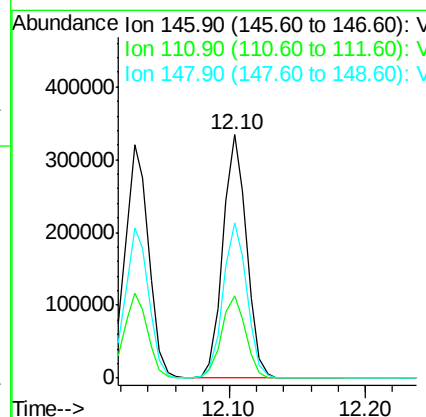
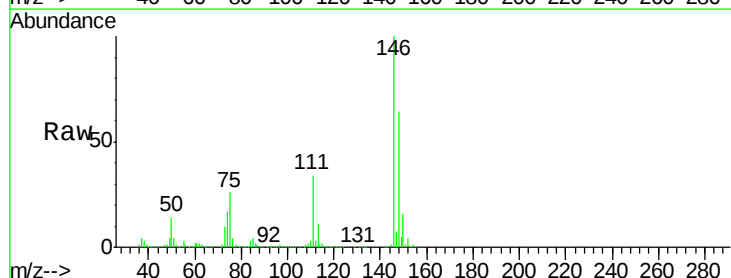
RT: 12.10 min Scan# 1889

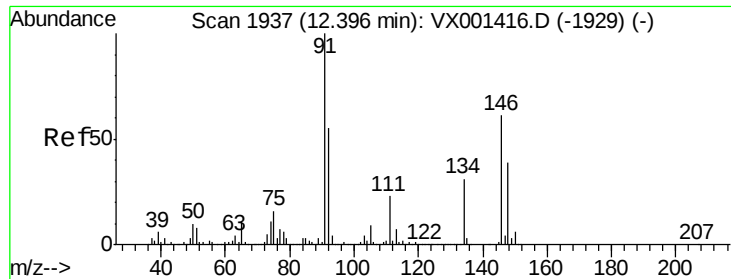
Delta R.T. 0.00 min

Lab File: VX001527.D

Acq: 08 May 2018 21:08

Tgt Ion:	146	Resp:	401383
Ion Ratio	Lower	Upper	
146	100		
111	34.8	17.4	52.3
148	64.3	32.2	96.6





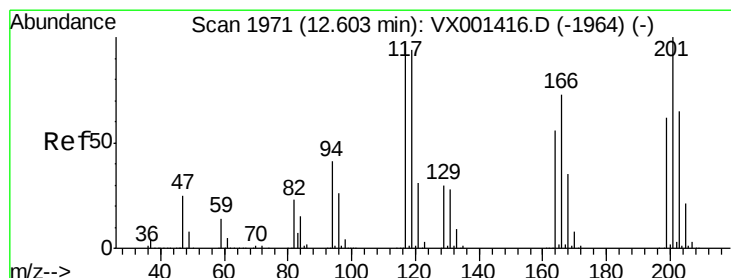
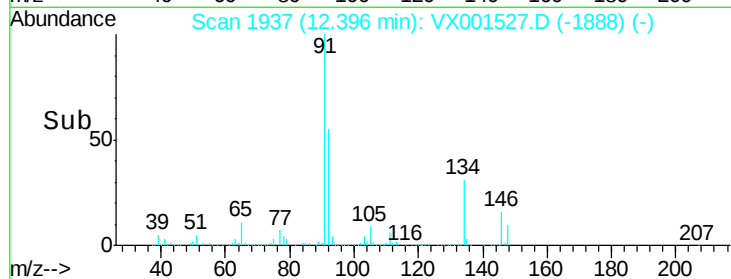
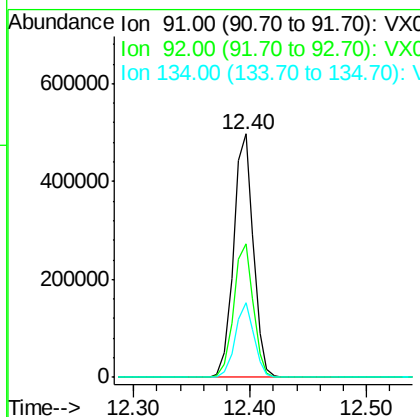
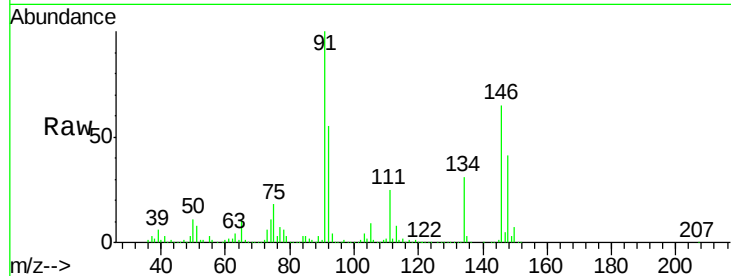
#89
n-Butylbenzene
Concen: 52.75 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.2	81.5
134	29.3	14.6	44.0

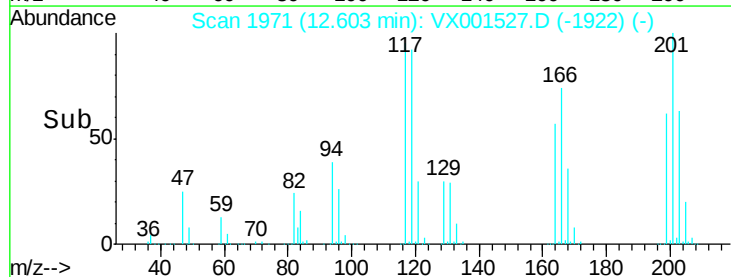
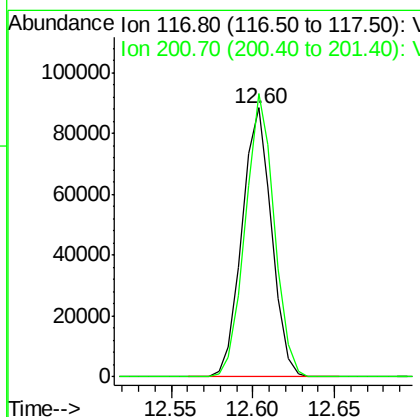
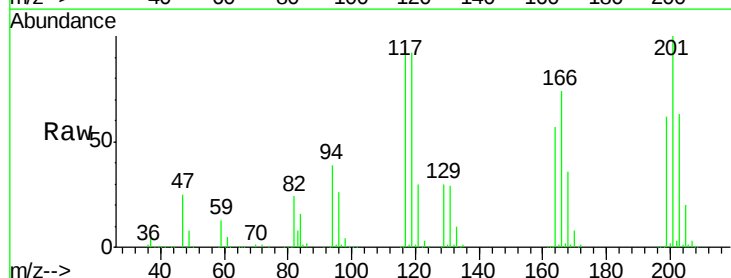
Manual Integrations
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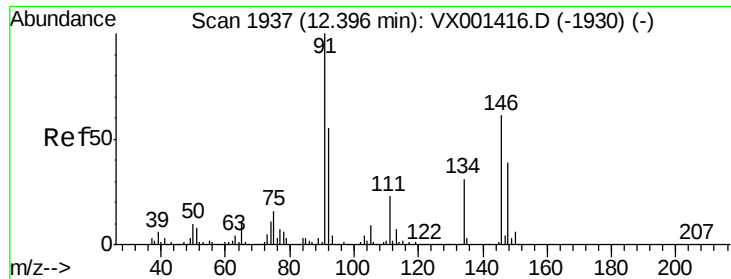
MMDadoda
5/10/2018 1:11:27 PM



#90
Hexachloroethane
Concen: 55.48 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	103.1	51.5	154.5





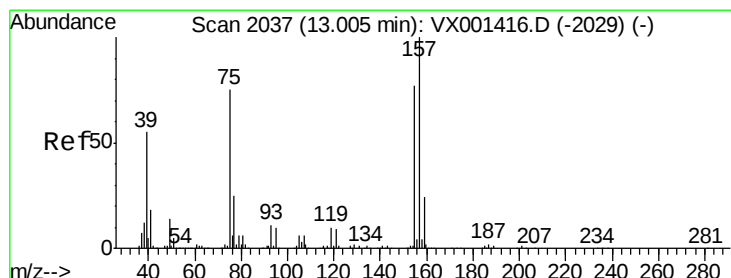
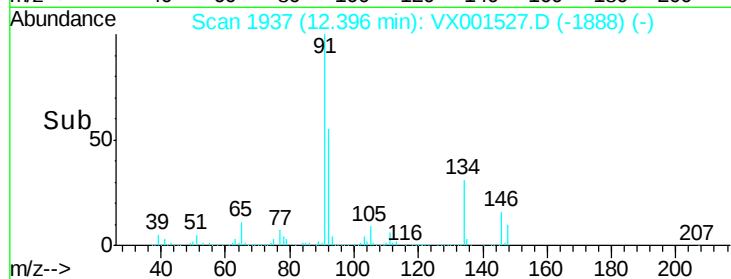
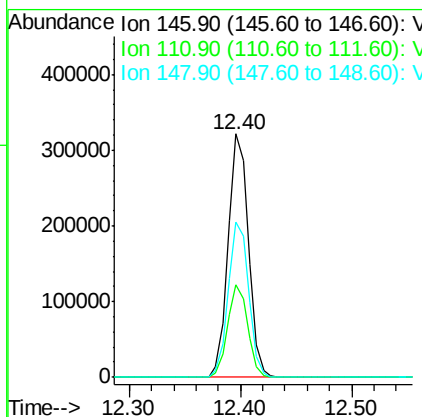
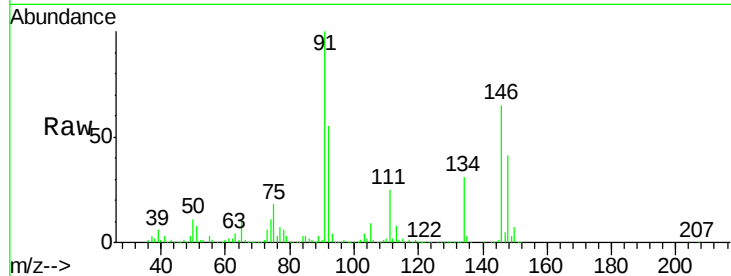
#91
 1,2-Dichlorobenzene
 Concen: 52.17 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001527.D
 Acq: 08 May 2018 21:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	404612		
111	37.7	18.6	55.8	
148	64.1	32.1	96.5	

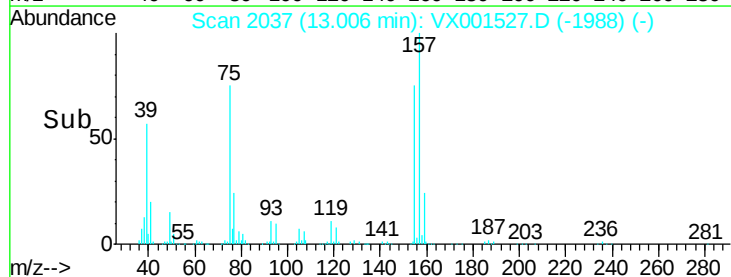
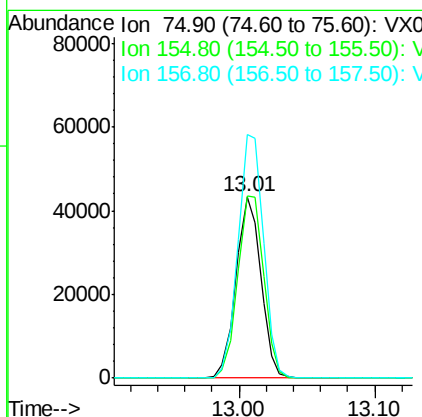
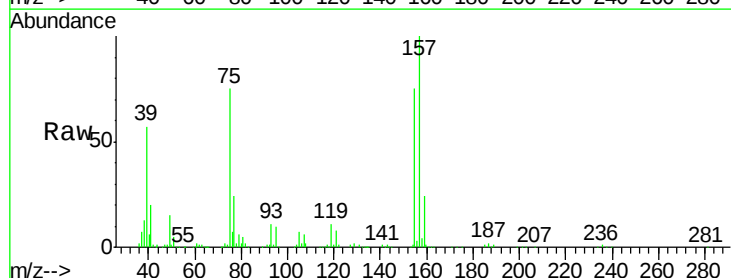
Manual Integrations
 APPROVED

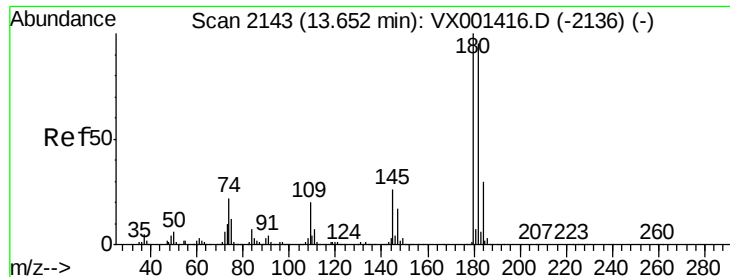
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 5/10/2018 1:11:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.92 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001527.D
 Acq: 08 May 2018 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	55130		
155	105.2	53.4	160.2	
157	137.8	68.3	204.8	





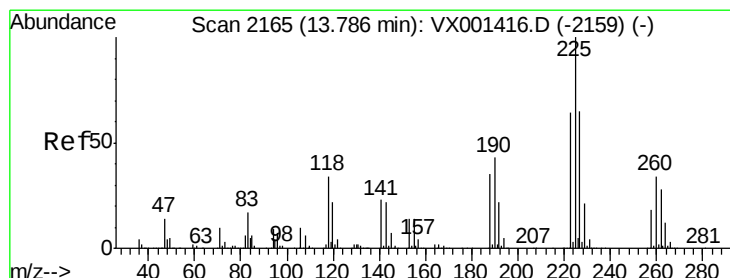
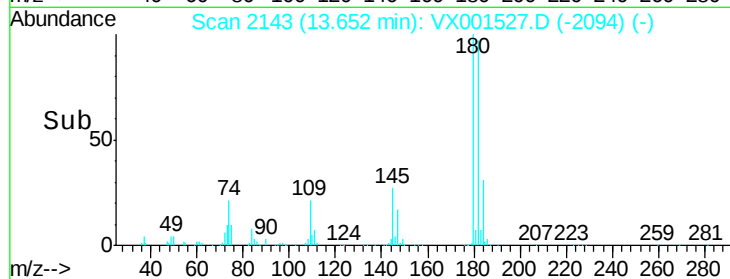
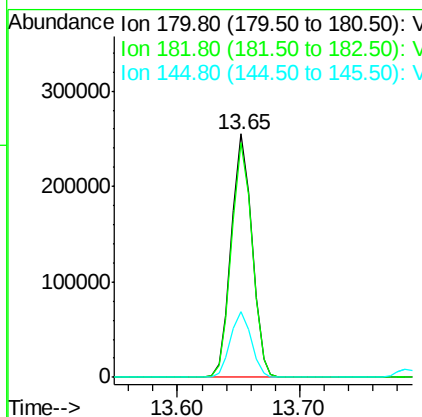
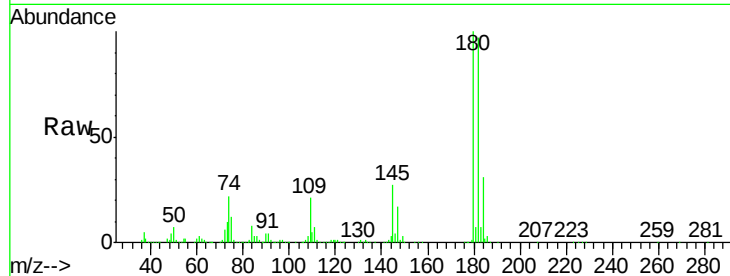
#93
 1,2,4-Trichlorobenzene
 Concen: 52.34 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001527.D
 Acq: 08 May 2018 21:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	297069		
182	96.5	47.8	143.4	
145	27.3	13.3	39.9	

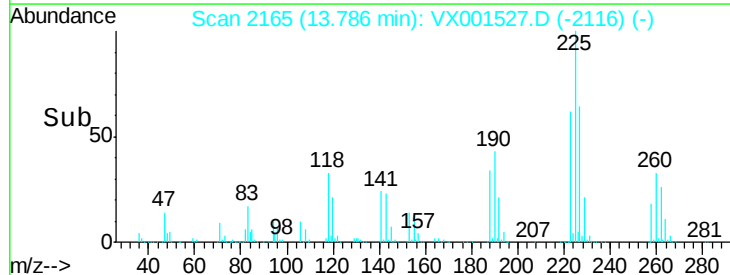
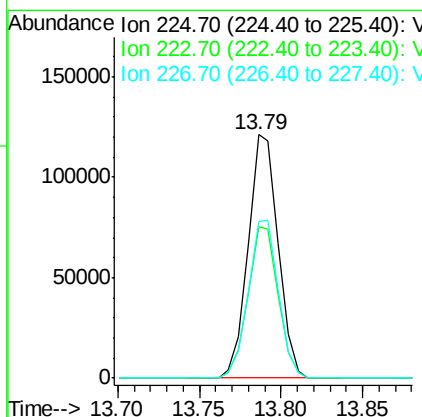
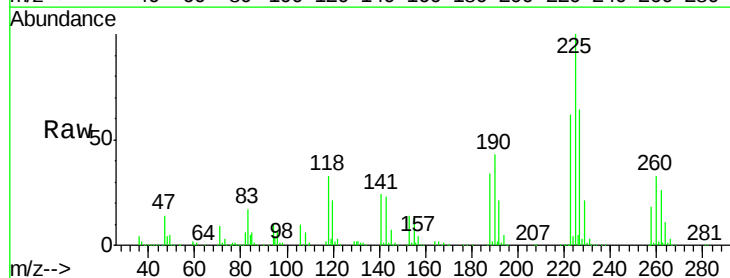
Manual Integrations
 APPROVED

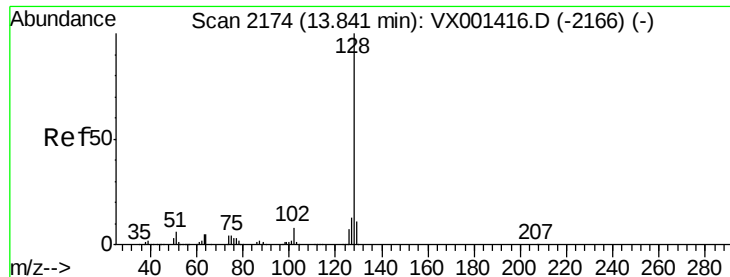
MMDadoda
 5/10/2018 1:11:27 PM



#94
 Hexachlorobutadiene
 Concen: 50.13 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001527.D
 Acq: 08 May 2018 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	155672		
223	62.9	31.3	93.9	
227	65.0	32.4	97.2	





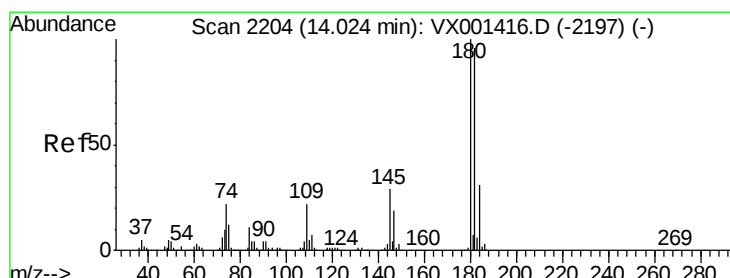
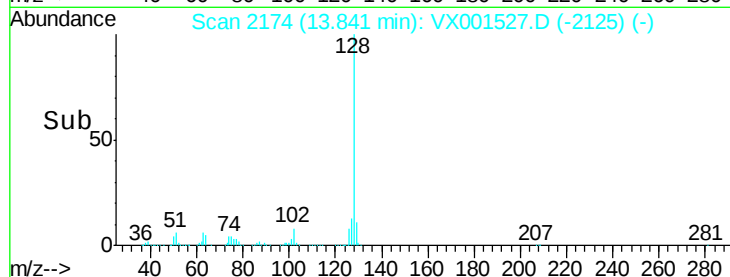
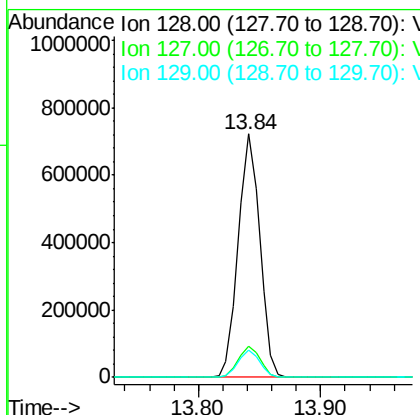
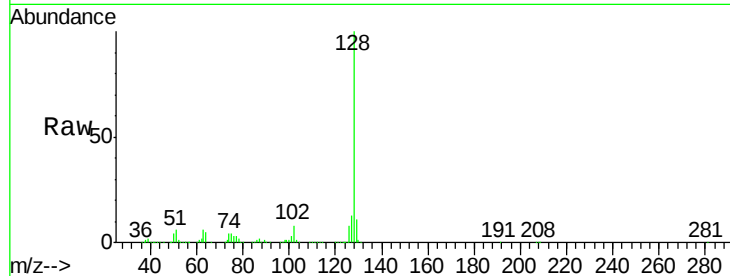
#95
Naphthalene
Concen: 55.97 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/10/2018 1:11:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.99 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. 0.01 min
Lab File: VX001527.D
Acq: 08 May 2018 21:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.0	144.2
145	28.4	14.1	42.4

