

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060818\
 Data File : VX002392.D
 Acq On : 08 Jun 2018 09:40
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 6/11/2018 9:30:10 AM

Quant Time: Jun 08 13:10:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X052518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 25 02:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	49626	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	297797	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	285619	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	121941	31.23	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.10%
60) 4-Bromofluorobenzene	11.14	95	144710	29.60	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.67%
63) Toluene-d8	8.72	98	357657	28.10	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	93.67%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	64353	24.43	ug/l	98
3) Chloromethane	1.32	50	71581	22.84	ug/l	100
4) Vinyl Chloride	1.41	62	79449	25.48	ug/l	99
5) Bromomethane	1.64	94	43915	25.14	ug/l	100
6) Chloroethane	1.73	64	51907	28.14	ug/l	97
7) Trichlorofluoromethane	1.93	101	135676	28.53	ug/l	98
8) Diethyl Ether	2.19	74	47356	26.46	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	79944	31.22	ug/l	98
10) 1,1-Dichloroethene	2.38	96	67852	27.48	ug/l	93
11) Methyl Iodide	2.51	142	60718	15.65	ug/l	100
12) Methyl Acetate	2.78	43	92705	23.16	ug/l	99
13) Acrolein	2.29	56	30759	90.27	ug/l	99
14) Acrylonitrile	3.15	53	192477	116.90	ug/l	100
15) Acetone	2.45	58	67309	153.35	ug/l	92
16) Carbon Disulfide	2.57	76	157681	22.36	ug/l	99
17) Allyl chloride	2.73	41	133138	26.13	ug/l	89
18) Methylene Chloride	2.86	84	76513	27.57	ug/l	98
19) trans-1,2-Dichloroethene	3.17	96	70291	26.93	ug/l	97
20) Diisopropyl ether	3.87	45	261037	26.83	ug/l	95
21) 1,1-Dichloroethane	3.70	63	140015	27.03	ug/l	100
22) cis-1,2-Dichloroethene	4.60	96	72224	23.21	ug/l #	77
23) tert-Butyl Alcohol	3.06	59	87838	102.86	ug/l #	100
24) Methyl tert-Butyl Ether	3.20	73	248966	25.83	ug/l	99
25) Chloroform	5.22	83	126261	23.19	ug/l	98
26) Cyclohexane	5.58	56	111322	23.35	ug/l #	97
29) 1,1-Dichloropropene	5.81	75	93286	22.39	ug/l	99
30) 2-Butanone	4.70	43	272423	93.74	ug/l	98
31) 2,2-Dichloropropane	4.59	77	101505	27.72	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	110405	20.29	ug/l	99
33) Carbon Tetrachloride	5.79	117	96904	19.60	ug/l	94
34) Benzene	6.15	78	273435	21.73	ug/l	99
35) Methacrylonitrile	5.06	41	57404	17.84	ug/l	97
36) 1,2-Dichloroethane	6.20	62	109056	22.25	ug/l	99
37) Trichloroethene	7.21	130	77883	21.82	ug/l	93
38) Methylcyclohexane	7.46	83	117137	24.10	ug/l	99
39) 1,2-Dichloropropane	7.52	63	71383	20.98	ug/l	95
40) Dibromomethane	7.67	93	48874	21.41	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	89419	18.89	ug/l	99
42) Vinyl Acetate	3.82	43	1124622	122.32	ug/l	99
43) Ethyl Acetate	4.86	43	97593	17.11	ug/l	99
44) Isopropyl Acetate	6.46	43	169420	17.86	ug/l	98
45) 1,4-Dioxane	7.76	88	32261	357.50	ug/l #	86
46) Methyl methacrylate	7.78	41	84879	17.67	ug/l	95
47) n-amyl Acetate	10.90	43	156568	17.94	ug/l #	90
48) t-1,3-Dichloropropene	8.44	75	106734	20.06	ug/l	100
49) cis-1,3-Dichloropropene	9.04	75	98147	19.05	ug/l	97
50) 1,1,2-Trichloroethane	9.22	97	72368	22.09	ug/l	97
51) Ethyl methacrylate	9.18	69	109625	19.31	ug/l	94
52) 1,3-Dichloropropane	9.38	76	119025	21.54	ug/l	98
53) Dibromochloromethane	9.59	129	70694	17.66	ug/l	99
54) 1,2-Dibromoethane	9.68	107	73989	20.86	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	227866	85.53	ug/l	99
56) Bromoform	10.86	173	52585	14.94	ug/l	100
58) 4-Methyl-2-Pentanone	8.65	43	533958	85.91	ug/l	99
59) 2-Hexanone	9.50	43	427331	88.60	ug/l	100
61) Tetrachloroethene	9.34	164	89033	20.44	ug/l	98
62) Toluene	8.79	91	313342	21.48	ug/l	98
64) Chlorobenzene	10.14	112	204906	21.70	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	73450	19.12	ug/l	99
66) Ethyl Benzene	10.26	91	354109	21.60	ug/l	99
67) m/p-Xylenes	10.36	106	275869	44.33	ug/l	100
68) o-Xylene	10.70	106	135009	21.66	ug/l	98
69) Styrene	10.71	104	223151	21.33	ug/l	98
70) Isopropylbenzene	11.02	105	371964	22.29	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	102483	19.60	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	90899m	18.45	ug/l	
73) Bromobenzene	11.26	156	95706	21.35	ug/l	96
74) n-propylbenzene	11.37	91	430278	23.10	ug/l	99
75) 2-Chlorotoluene	11.43	91	250133	21.77	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	316179	22.29	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	27274	15.28	ug/l	85
78) 4-Chlorotoluene	11.51	91	290982	22.27	ug/l	99
79) tert-butylbenzene	12.07	119	349528	23.50	ug/l	100
80) 1,2,4-Trimethylbenzene	11.81	105	322552	22.49	ug/l	99
81) sec-Butylbenzene	11.95	105	387081	23.28	ug/l	100
82) p-Isopropyltoluene	12.07	119	349528	23.50	ug/l	100
83) 1,3-Dichlorobenzene	12.03	146	180284	22.70	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	180662	22.85	ug/l	100
85) n-Butylbenzene	12.39	91	300460	24.08	ug/l	99
86) Hexachloroethane	12.60	117	48367	16.34	ug/l	97
87) 1,2-Dichlorobenzene	12.40	146	183054	22.38	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.01	75	21502	14.12	ug/l	97
89) 1,2,4-Trichlorobenzene	13.65	180	133525	22.98	ug/l	100
90) Hexachlorobutadiene	13.79	225	74399	24.08	ug/l	98
91) Naphthalene	13.84	128	360899	19.69	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	136218	22.45	ug/l	99

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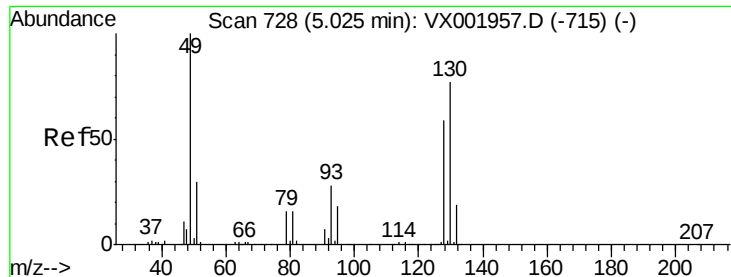
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX002392.D

Acq: 08 Jun 2018 09:40

Instrument :

MSVOA_X

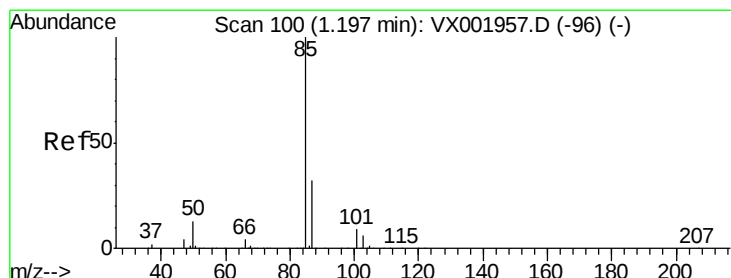
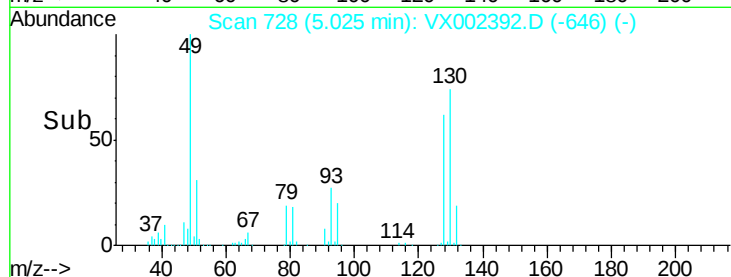
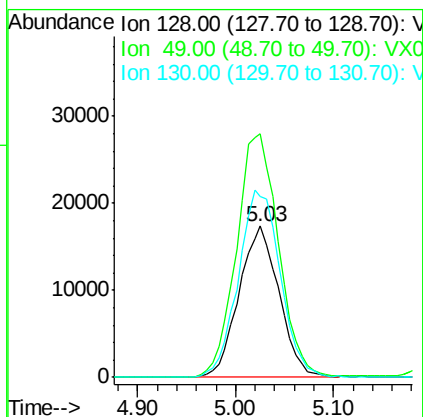
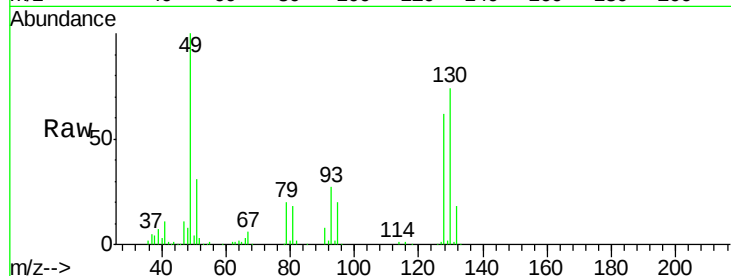
ClientSampleId :

VSTDCCC020

Tgt Ion:	128	Resp:	49626
Ion	Ratio	Lower	Upper
128	100		
49	168.7	0.0	423.0
130	129.3	0.0	324.3

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#2

Dichlorodifluoromethane

Concen: 24.43 ug/l

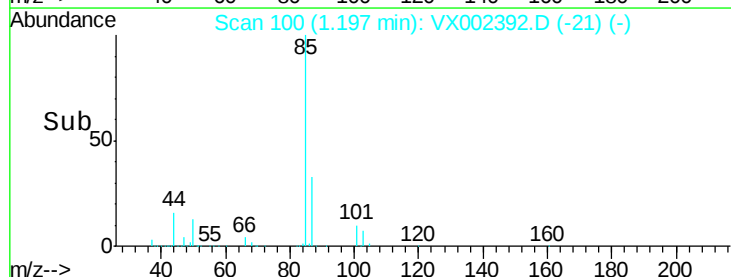
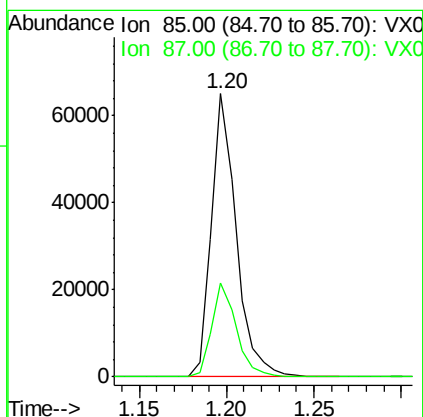
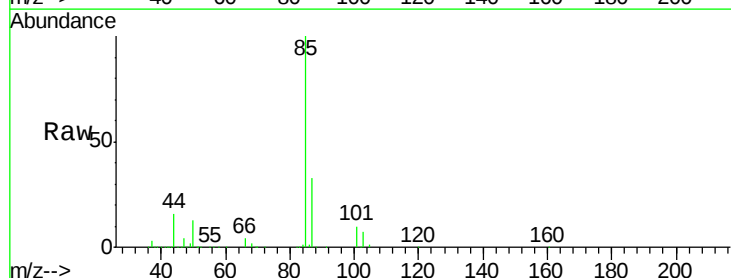
RT: 1.20 min Scan# 100

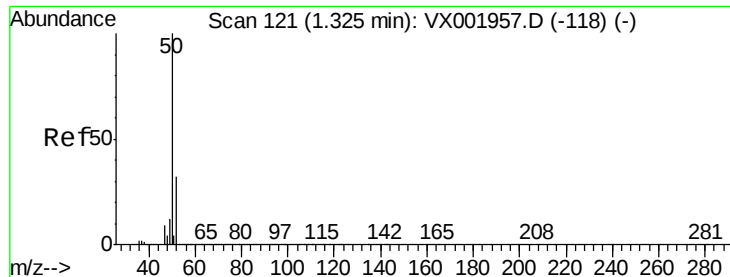
Delta R.T. -0.00 min

Lab File: VX002392.D

Acq: 08 Jun 2018 09:40

Tgt Ion:	85	Resp:	64353
Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.2	48.5





#3

Chloromethane

Concen: 22.84 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002392.D

Acq: 08 Jun 2018 09:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 50 Resp: 71581

Ion Ratio Lower Upper

50 100

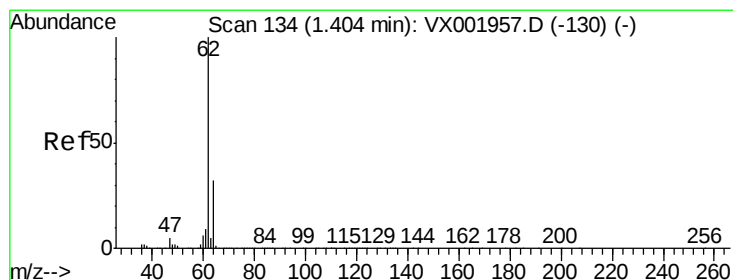
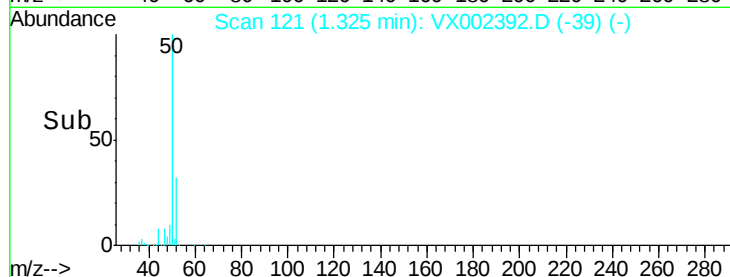
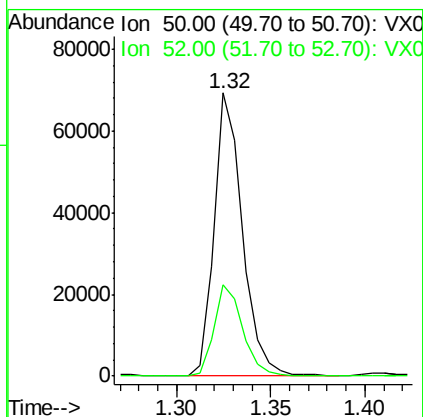
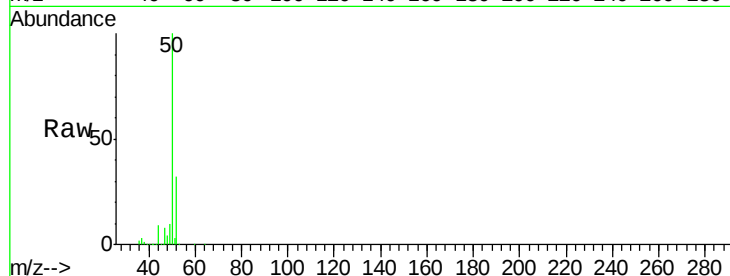
52 32.2 25.6 38.4

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#4

Vinyl Chloride

Concen: 25.48 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002392.D

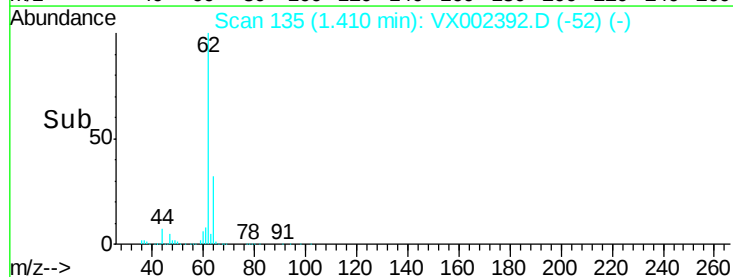
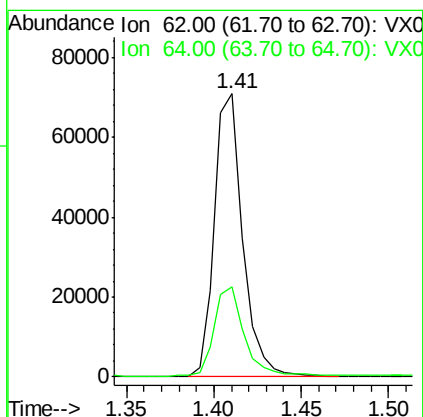
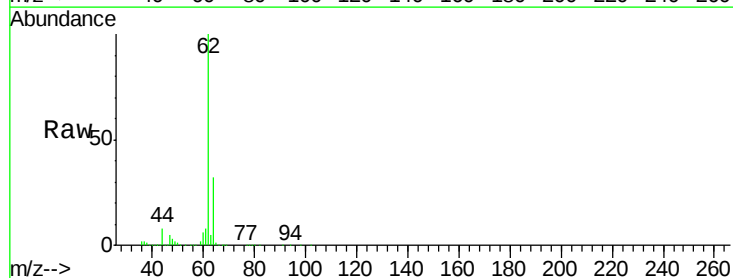
Acq: 08 Jun 2018 09:40

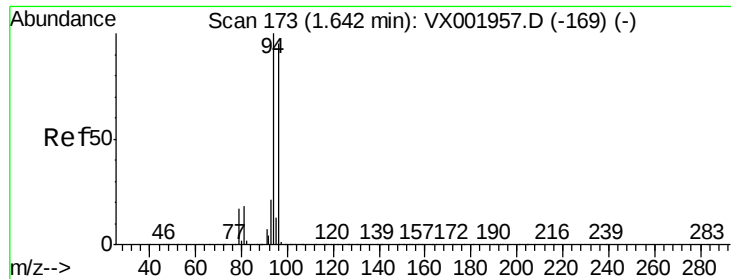
Tgt Ion: 62 Resp: 79449

Ion Ratio Lower Upper

62 100

64 31.3 25.3 37.9





#5

Bromomethane

Concen: 25.14 ug/l

RT: 1.64 min Scan# 173

Delta R.T. -0.00 min

Lab File: VX002392.D

Acq: 08 Jun 2018 09:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 94 Resp: 43915

Ion Ratio Lower Upper

94 100

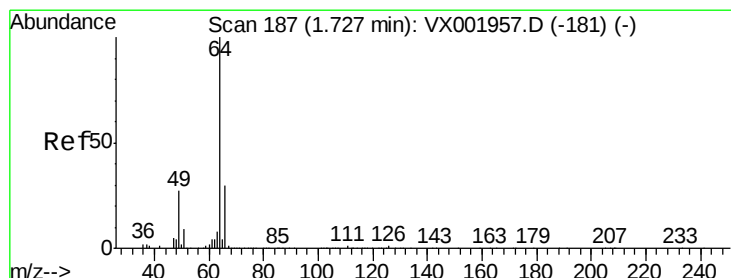
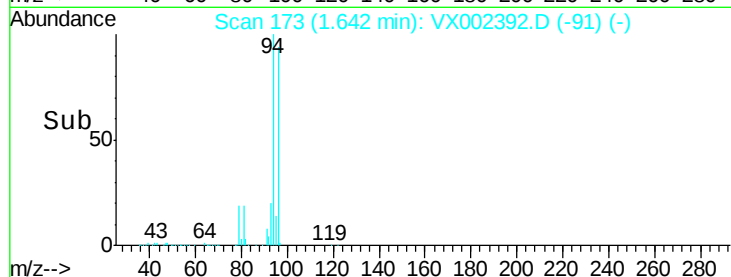
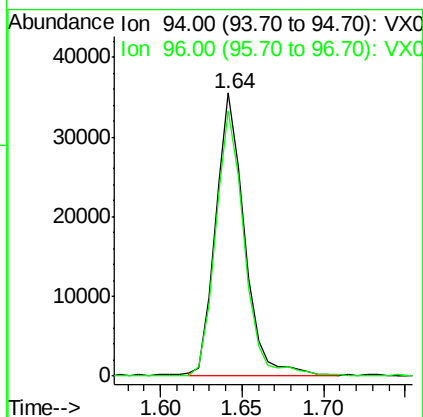
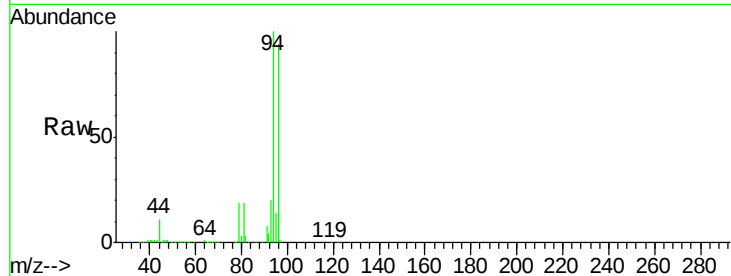
96 94.2 75.7 113.5

Manual Integrations

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#6

Chloroethane

Concen: 28.14 ug/l

RT: 1.73 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX002392.D

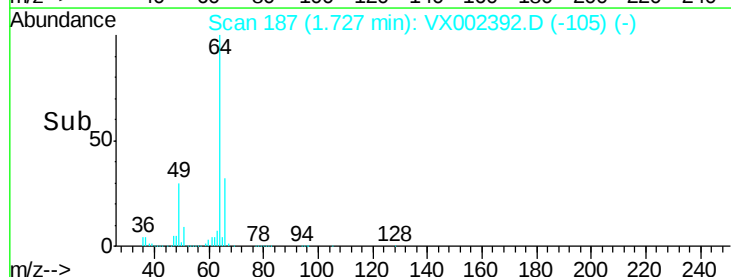
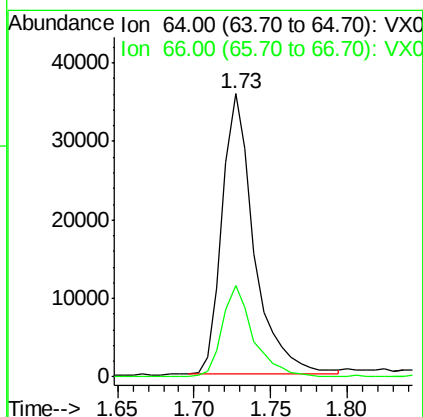
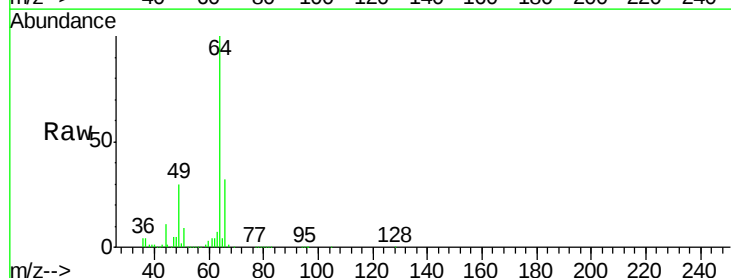
Acq: 08 Jun 2018 09:40

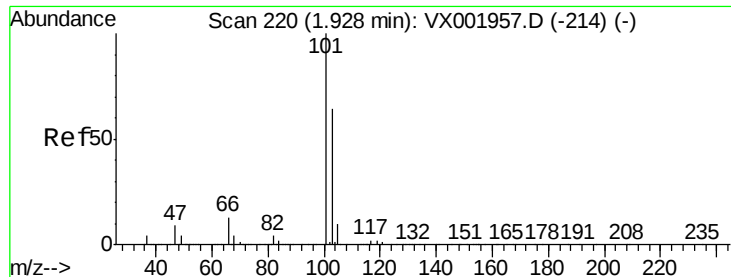
Tgt Ion: 64 Resp: 51907

Ion Ratio Lower Upper

64 100

66 32.1 24.3 36.5





#7

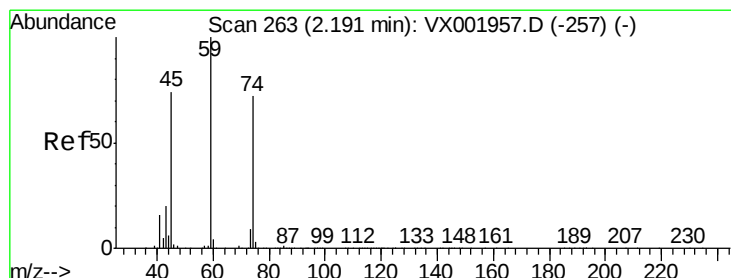
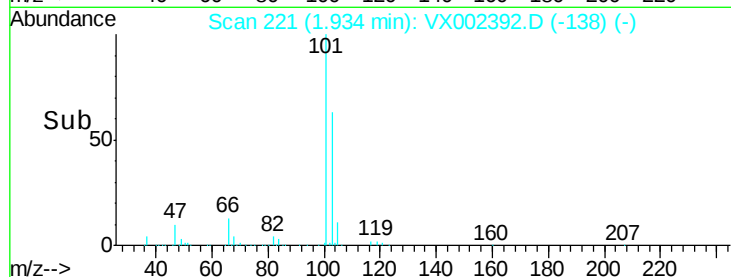
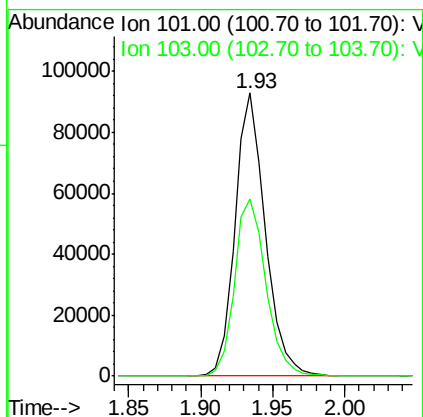
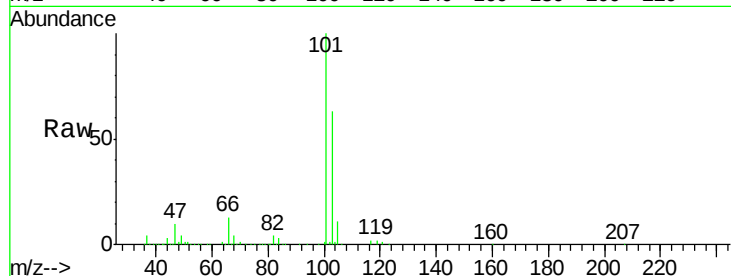
Trichlorofluoromethane
Concen: 28.53 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX002392.D
Acq: 08 Jun 2018 09:40

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tgt Ion: 101 Resp: 135676
Ion Ratio Lower Upper
101 100
103 62.8 51.5 77.3

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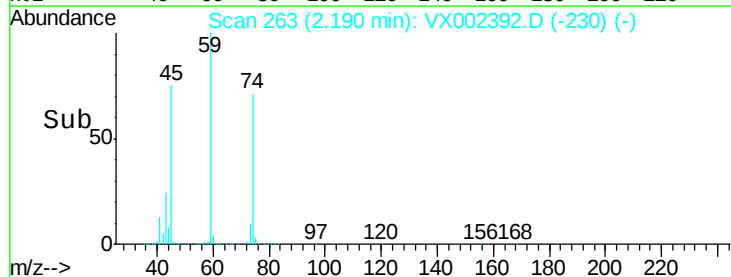
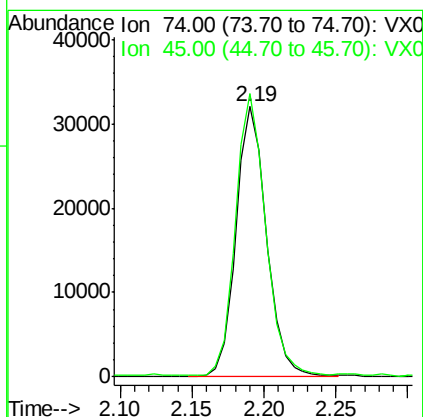
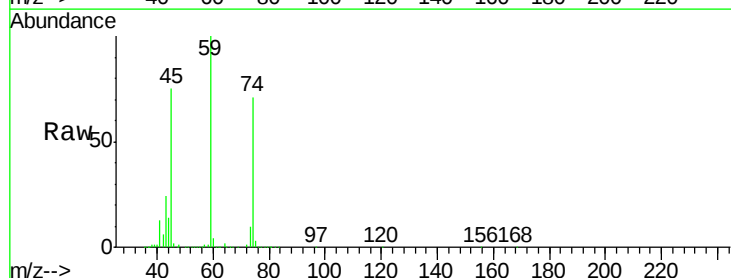
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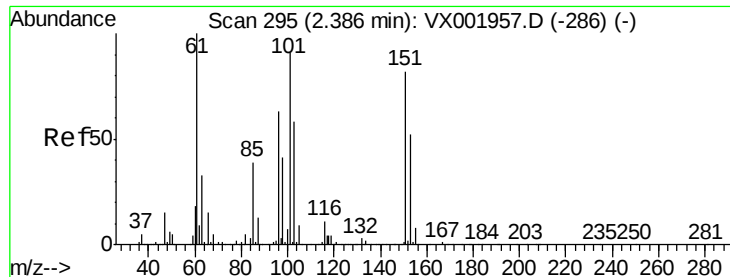


#8

Diethyl Ether
Concen: 26.46 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002392.D
Acq: 08 Jun 2018 09:40

Tgt Ion: 74 Resp: 47356
Ion Ratio Lower Upper
74 100
45 103.4 20.5 184.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 31.22 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002392.D

Acq: 08 Jun 2018 09:40

Instrument :

MSVOA_X

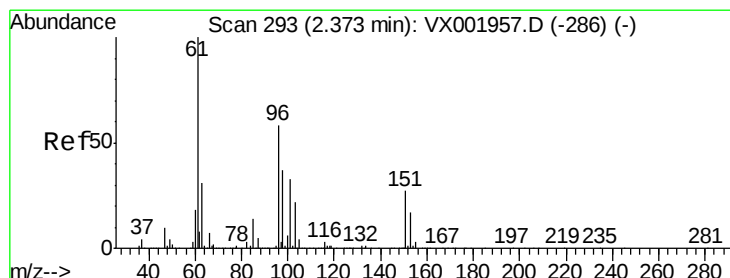
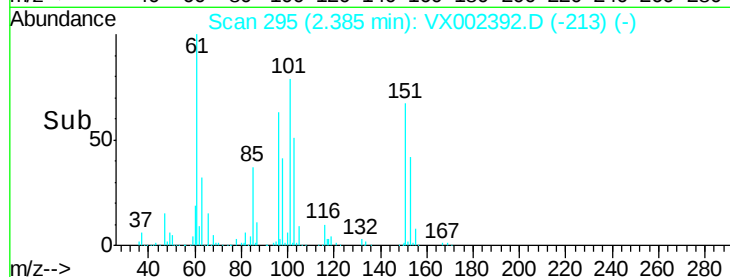
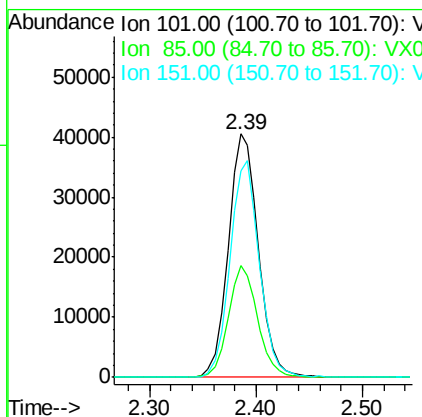
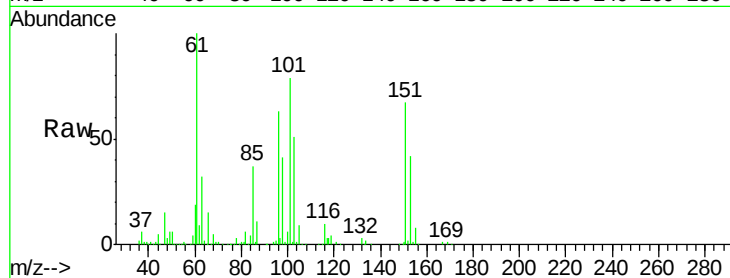
ClientSampleId :

VSTDCCC020

Tgt Ion:	101	Resp:	79944
Ion Ratio	Lower	Upper	
101	100		
85	44.5	0.0	87.0
151	87.2	0.0	177.6

Manual Integrations
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6/11/2018 9:30:10 AM



#10

1,1-Dichloroethene

Concen: 27.48 ug/l

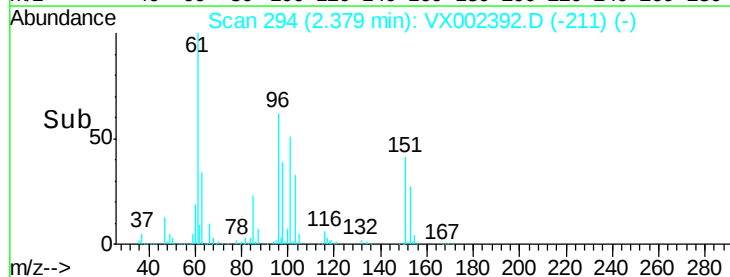
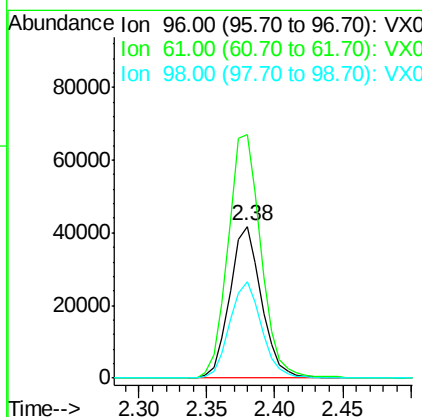
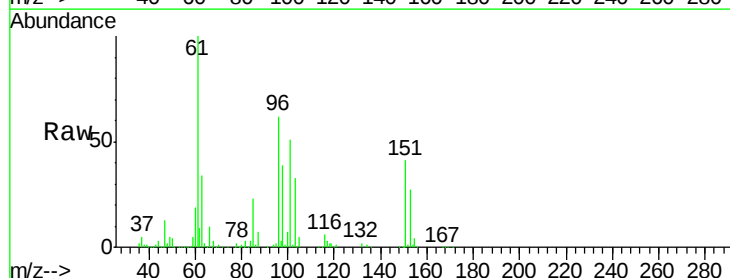
RT: 2.38 min Scan# 294

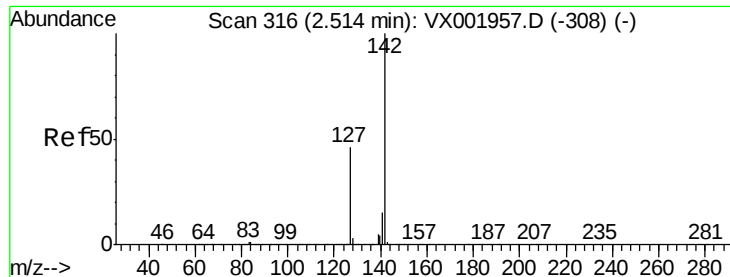
Delta R.T. 0.01 min

Lab File: VX002392.D

Acq: 08 Jun 2018 09:40

Tgt Ion:	96	Resp:	67852
Ion Ratio	Lower	Upper	
96	100		
61	160.1	137.5	206.3
98	63.2	51.4	77.2





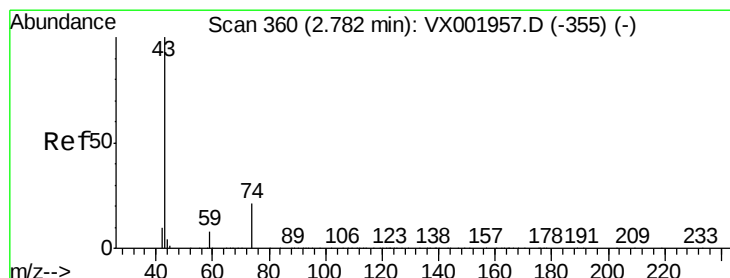
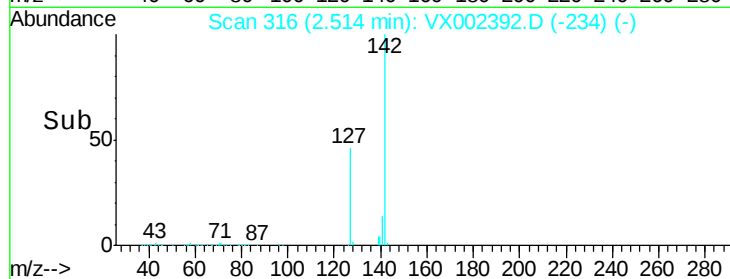
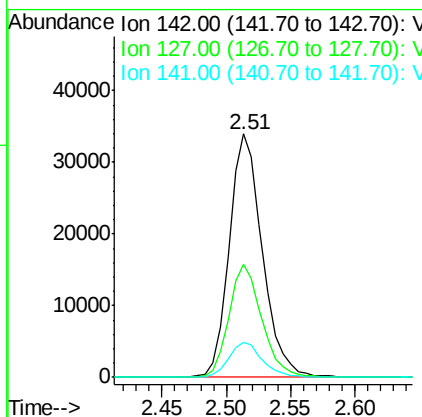
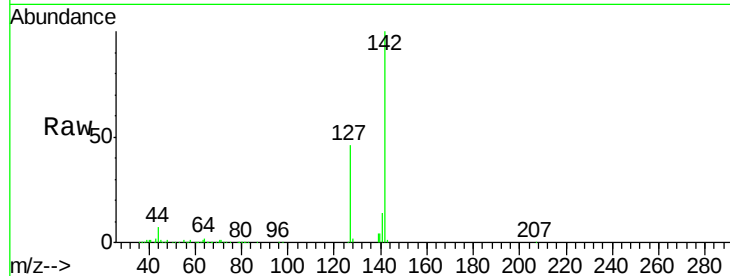
#11
Methyl Iodide
Concen: 15.65 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX002392.D
Acq: 08 Jun 2018 09:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.3	23.2	69.6
141	14.3	7.4	22.2

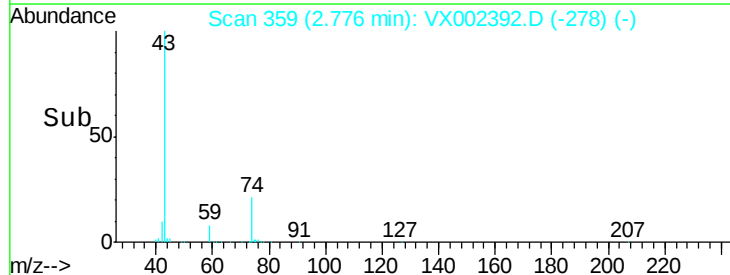
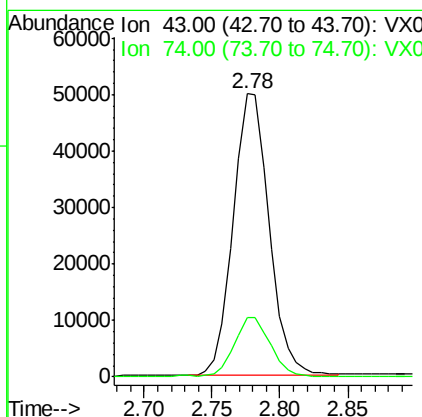
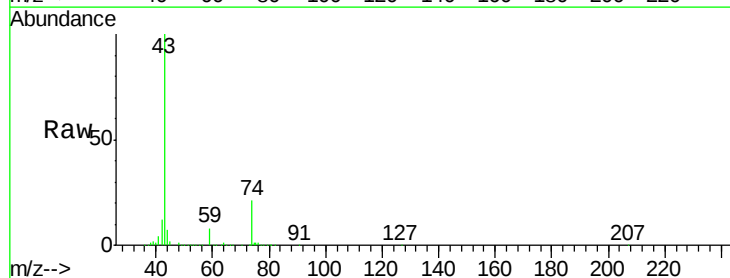
Manual Integrations
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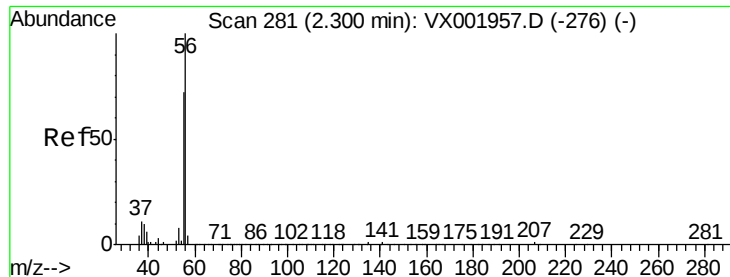
MMDadoda
6/11/2018 9:30:10 AM



#12
Methyl Acetate
Concen: 23.16 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX002392.D
Acq: 08 Jun 2018 09:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	16.4	24.6





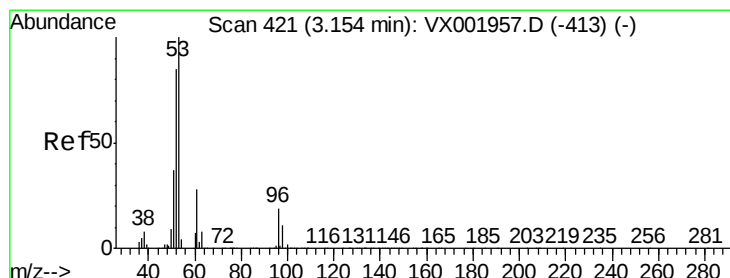
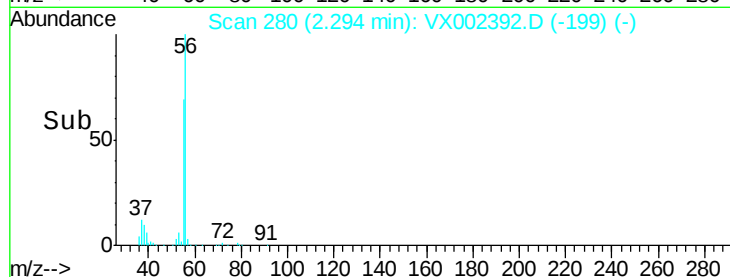
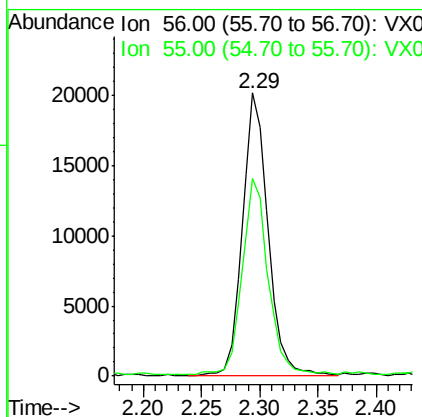
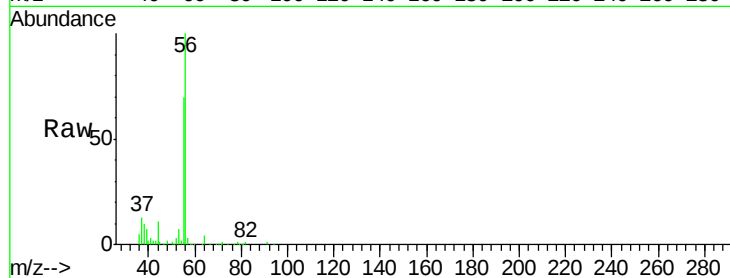
#13
Acrolein
Concen: 90.27 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX002392.D
Acq: 08 Jun 2018 09:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
56	100		
55	70.7	57.3	85.9

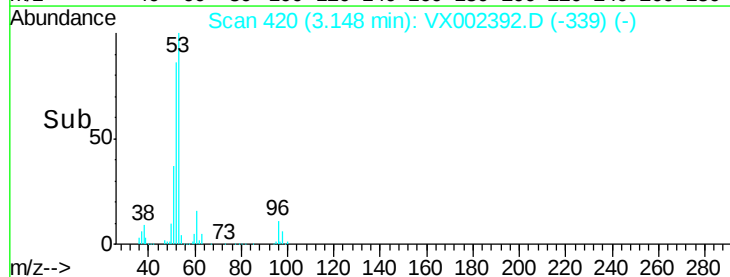
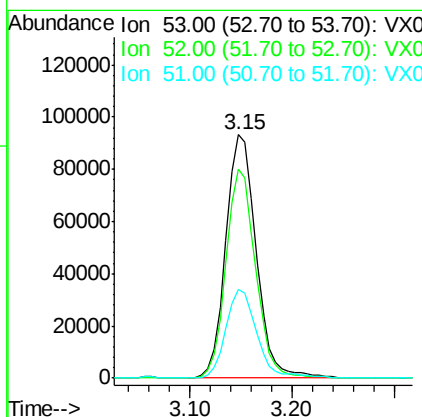
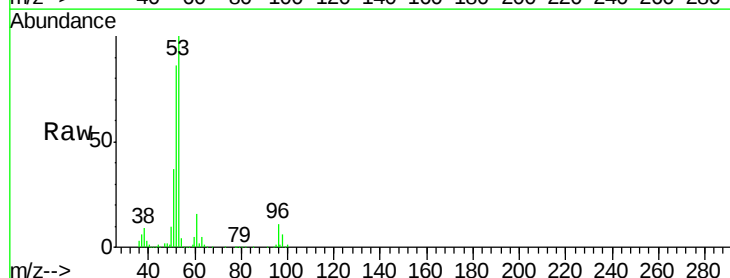
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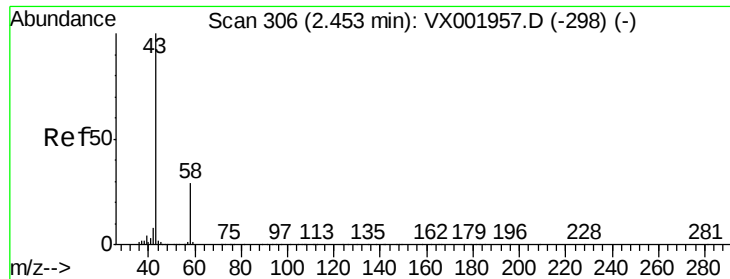
MMDadoda
6/11/2018 9:30:10 AM



#14
Acrylonitrile
Concen: 116.90 ug/l
RT: 3.15 min Scan# 420
Delta R.T. -0.01 min
Lab File: VX002392.D
Acq: 08 Jun 2018 09:40

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.6	41.5	124.6
51	35.8	17.9	53.8





#15

Acetone

Concen: 153.35 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002392.D

Acq: 08 Jun 2018 09:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 58 Resp: 67309

Ion Ratio Lower Upper

58 100

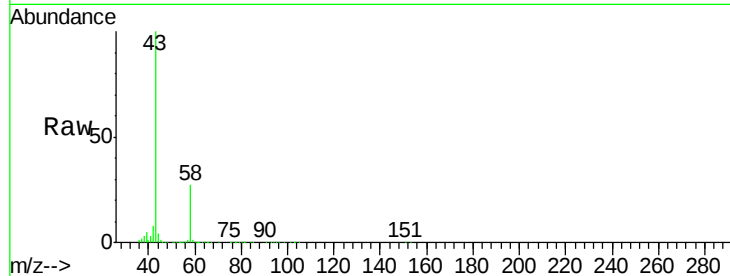
43 365.2 278.8 418.2

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

150000

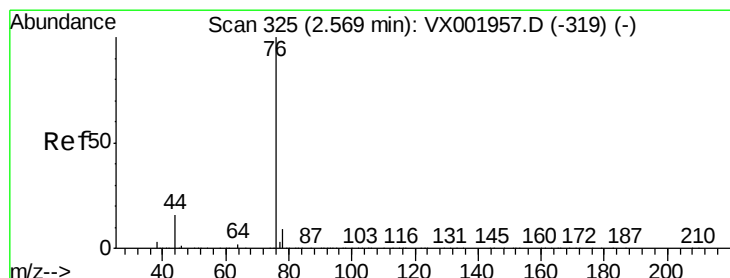
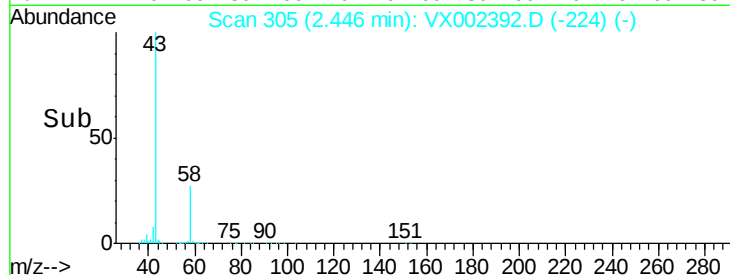
100000

50000

0

2.35 2.40 2.45 2.50 2.55

Time-->



#16

Carbon Disulfide

Concen: 22.36 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002392.D

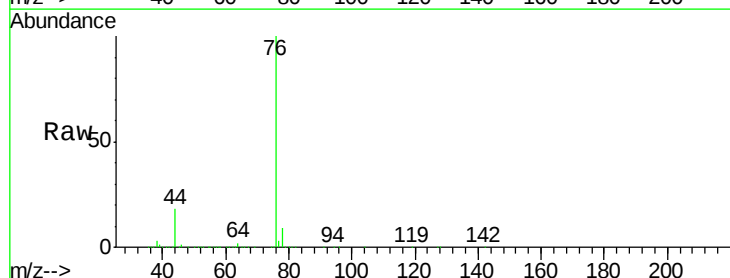
Acq: 08 Jun 2018 09:40

Tgt Ion: 76 Resp: 157681

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

100000

80000

60000

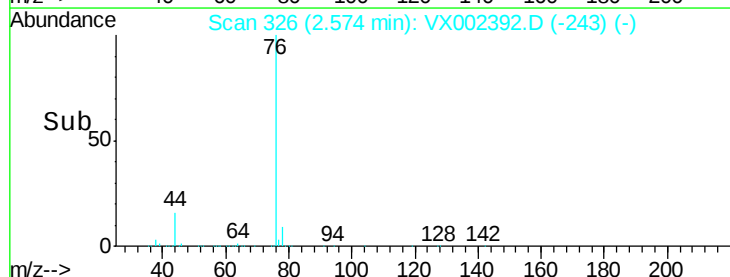
40000

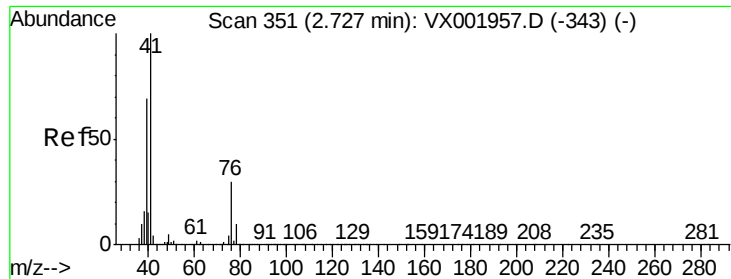
20000

0

2.50 2.55 2.60 2.65 2.70

Time-->





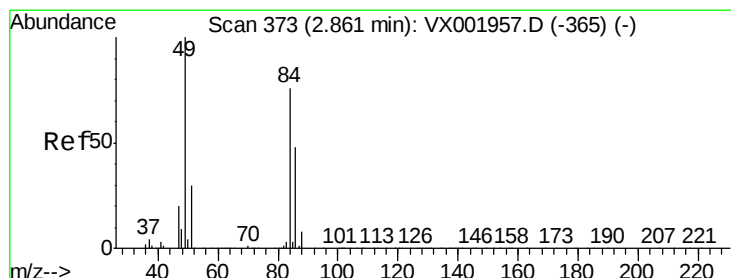
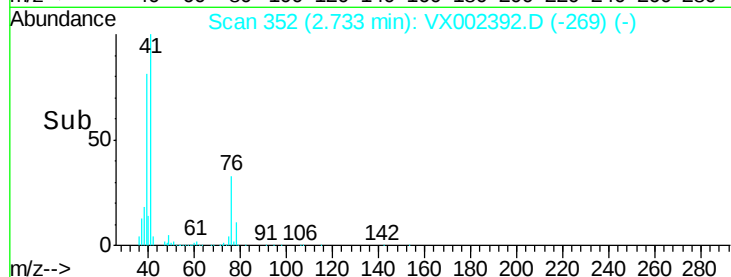
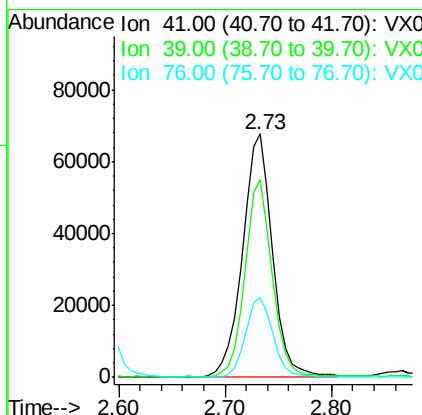
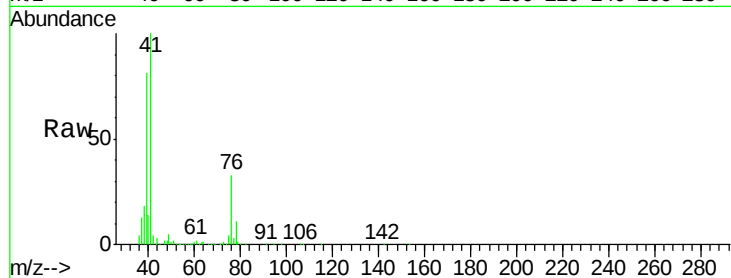
#17
 Allyl chloride
 Concen: 26.13 ug/l
 RT: 2.73 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: VX002392.D
 Acq: 08 Jun 2018 09:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
41	100		
39	80.8	34.6	103.8
76	32.4	15.0	45.1

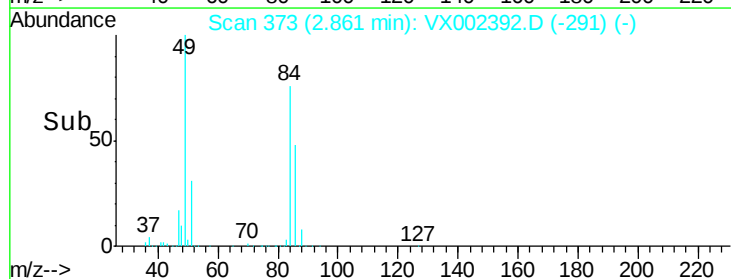
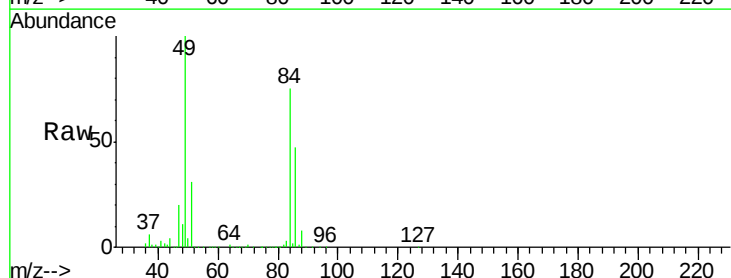
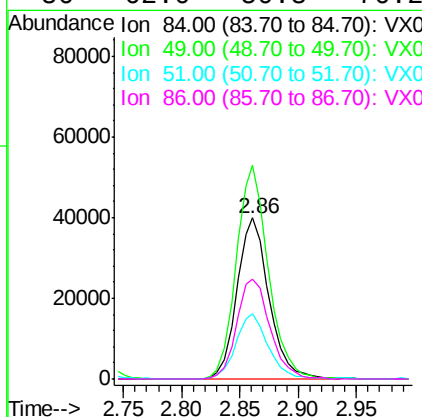
Manual Integrations
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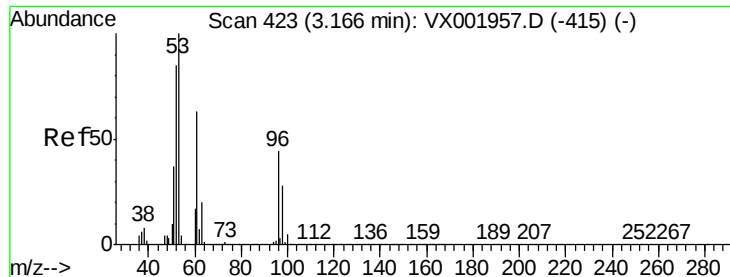
MMDadoda
 6/11/2018 9:30:10 AM



#18
 Methylene Chloride
 Concen: 27.57 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. -0.00 min
 Lab File: VX002392.D
 Acq: 08 Jun 2018 09:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.5	104.7	157.1
51	40.3	31.0	46.4
86	62.0	50.8	76.2





#19

trans-1,2-Dichloroethene

Concen: 26.93 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002392.D

Acq: 08 Jun 2018 09:40

Instrument :

MSVOA_X

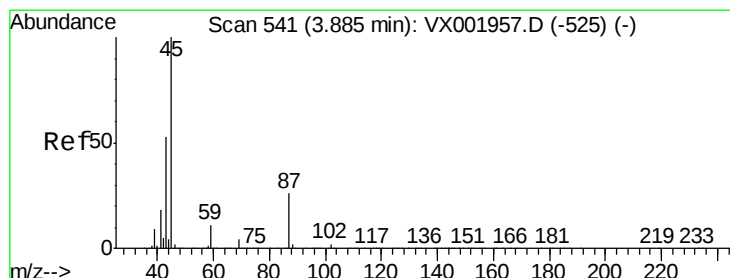
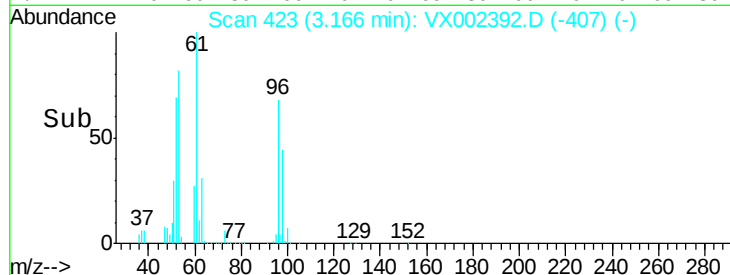
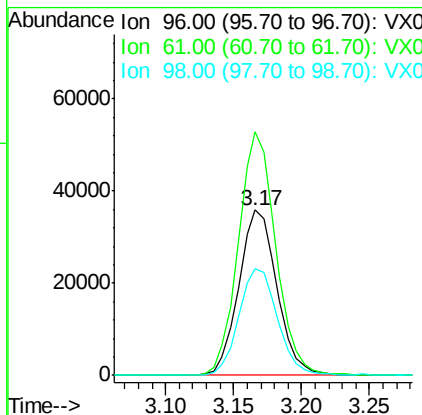
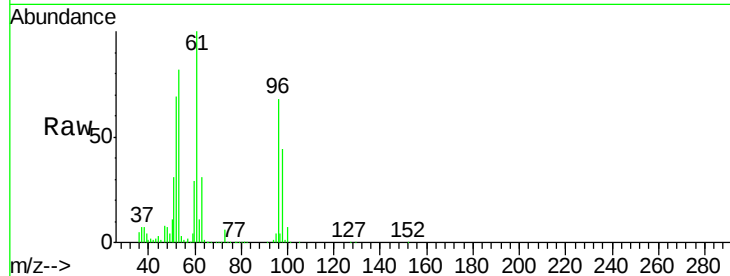
ClientSampleId :

VSTDCCC020

Tgt Ion:	96	Resp:	70291
Ion	Ratio	Lower	Upper
96	100		
61	147.4	114.6	172.0
98	64.7	51.3	76.9

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#20

Diisopropyl ether

Concen: 26.83 ug/l

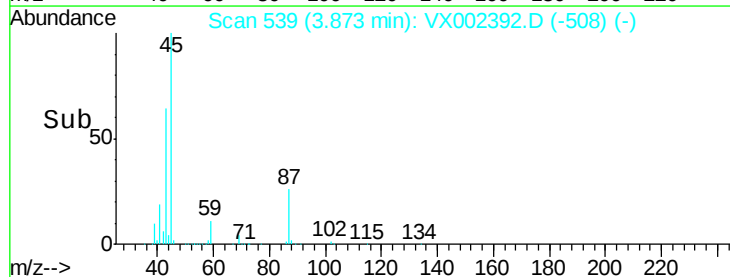
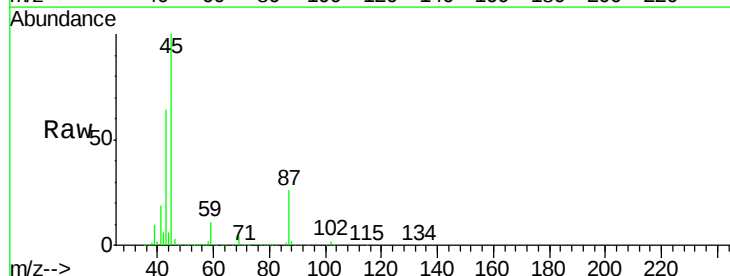
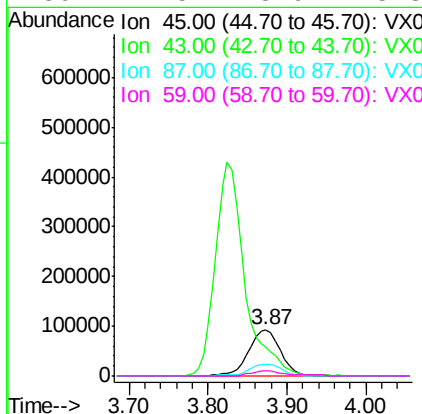
RT: 3.87 min Scan# 539

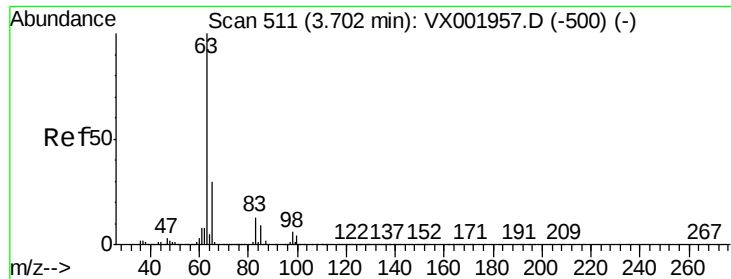
Delta R.T. -0.01 min

Lab File: VX002392.D

Acq: 08 Jun 2018 09:40

Tgt Ion:	45	Resp:	261037
Ion	Ratio	Lower	Upper
45	100		
43	62.4	45.6	68.4
87	26.4	20.7	31.1
59	11.5	8.9	13.3





#21

1,1-Dichloroethane

Concen: 27.03 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX002392.D

Acq: 08 Jun 2018 09:40

Instrument :

MSVOA_X

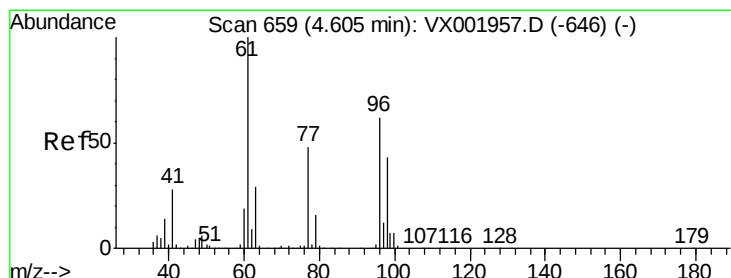
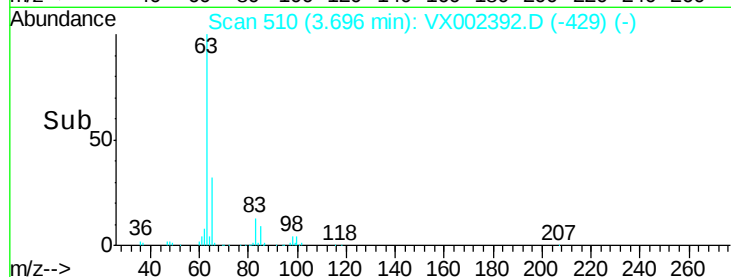
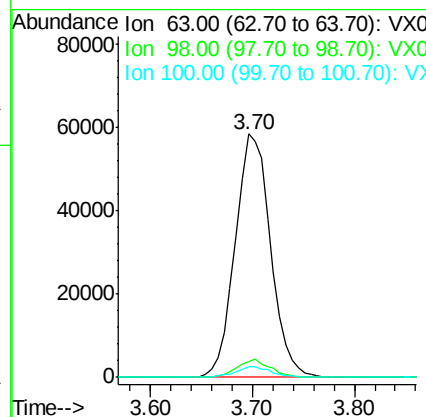
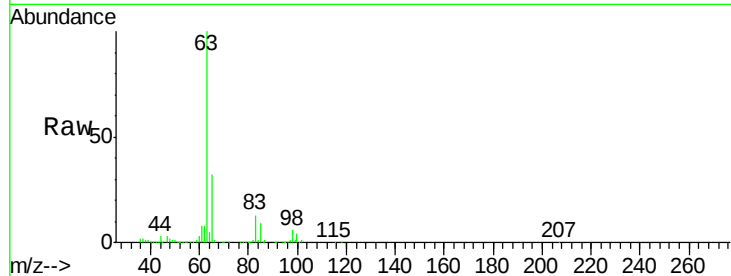
ClientSampleId :

VSTDCCC020

Tgt Ion	Ratio	Resp Lower	Upper
63	100		
98	6.3	3.1	9.3
100	4.4	2.2	6.6

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 23.21 ug/l

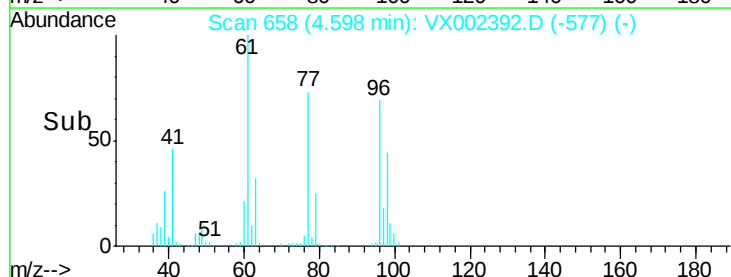
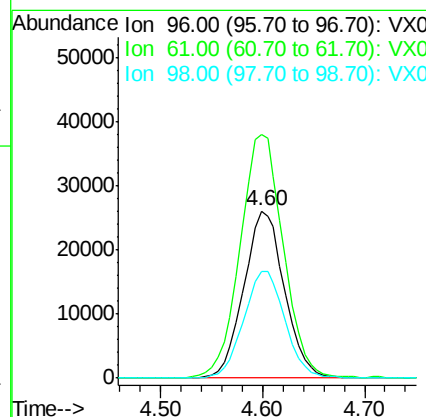
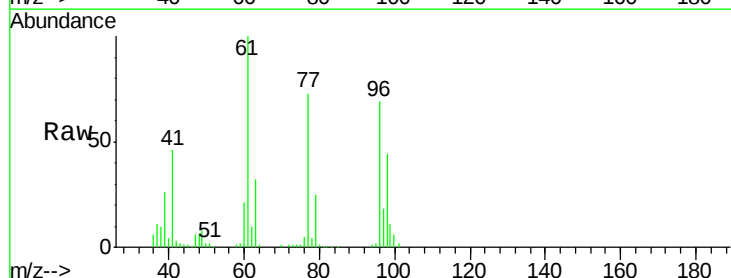
RT: 4.60 min Scan# 658

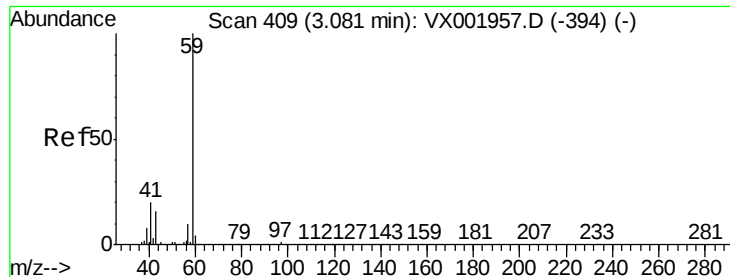
Delta R.T. -0.01 min

Lab File: VX002392.D

Acq: 08 Jun 2018 09:40

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	155.1	160.2	240.2#
98	64.7	54.1	81.1





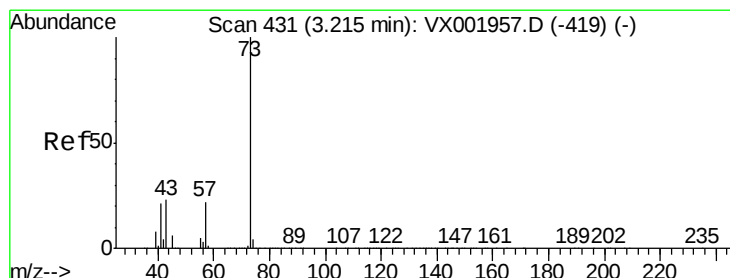
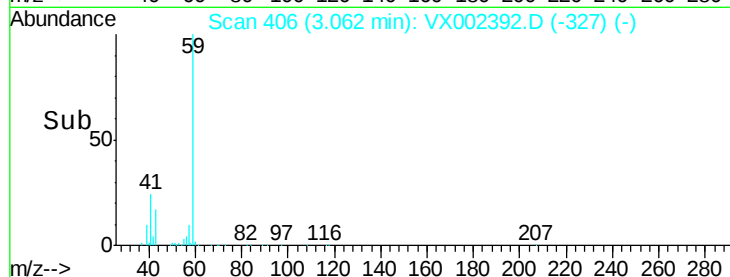
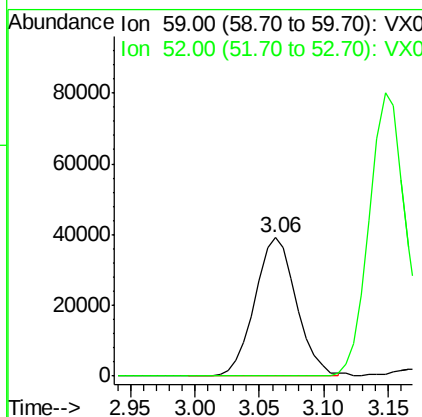
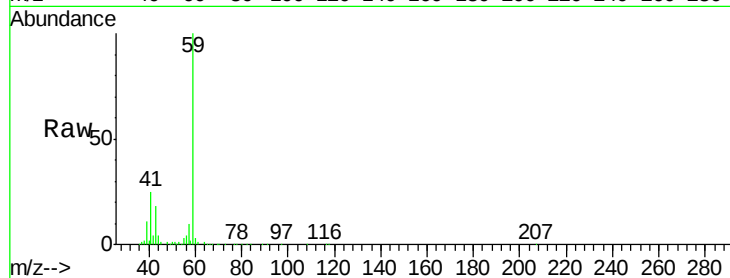
#23
 tert-Butyl Alcohol
 Concen: 102.86 ug/l
 RT: 3.06 min Scan# 406
 Delta R.T. -0.02 min
 Lab File: VX002392.D
 Acq: 08 Jun 2018 09:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 59 Resp: 87838
 Ion Ratio Lower Upper
 59 100
 52 0.3 0.2 0.2#

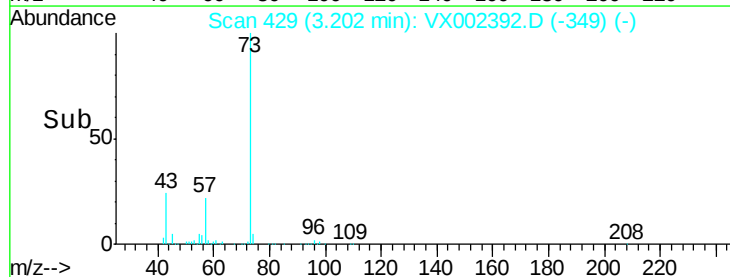
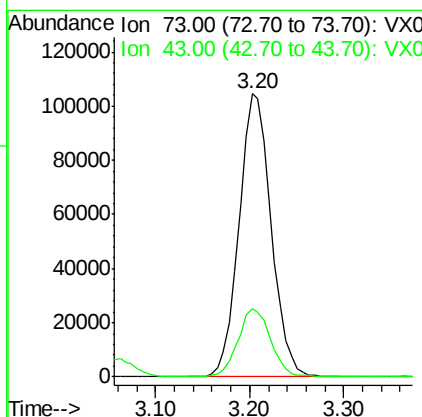
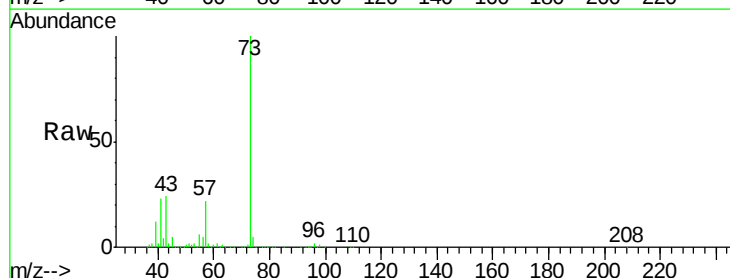
Manual Integrations
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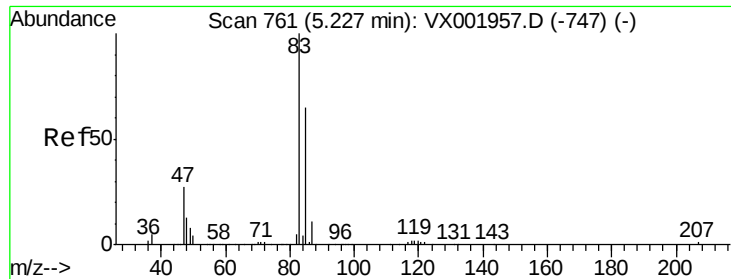
MMDadoda
 6/11/2018 9:30:10 AM



#24
 Methyl tert-Butyl Ether
 Concen: 25.83 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.01 min
 Lab File: VX002392.D
 Acq: 08 Jun 2018 09:40

Tgt Ion: 73 Resp: 248966
 Ion Ratio Lower Upper
 73 100
 43 24.1 19.0 28.4





#25

Chloroform

Concen: 23.19 ug/l

RT: 5.22 min Scan# 760

Delta R.T. -0.01 min

Lab File: VX002392.D

Acq: 08 Jun 2018 09:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 83 Resp: 126261

Ion Ratio Lower Upper

83 100

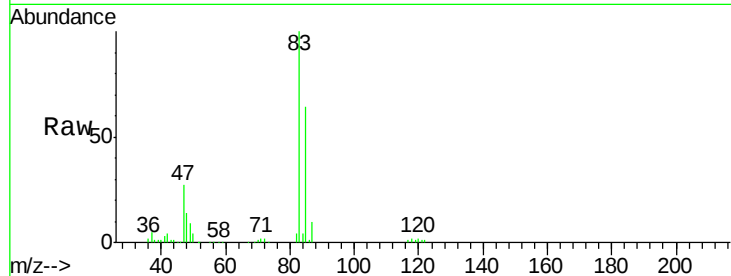
85 63.5 51.9 77.9

Manual Integrations

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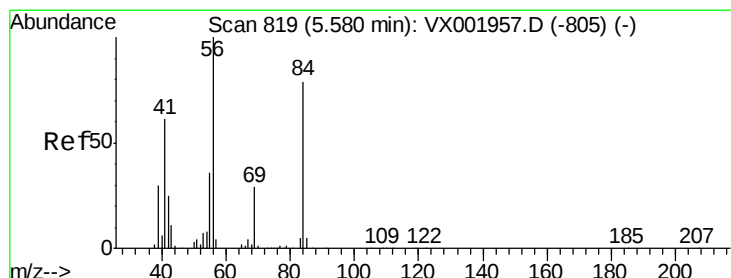
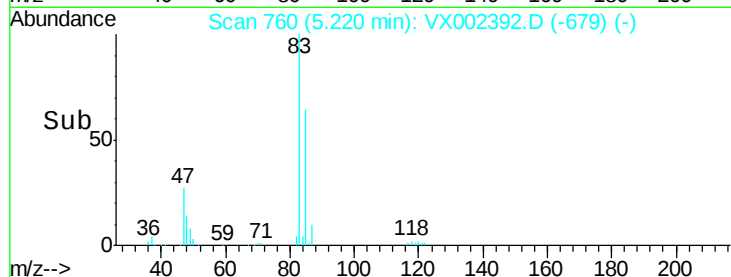
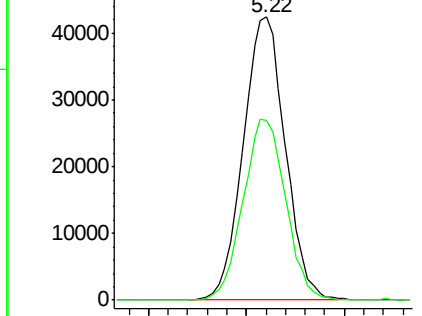
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 23.35 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002392.D

Acq: 08 Jun 2018 09:40

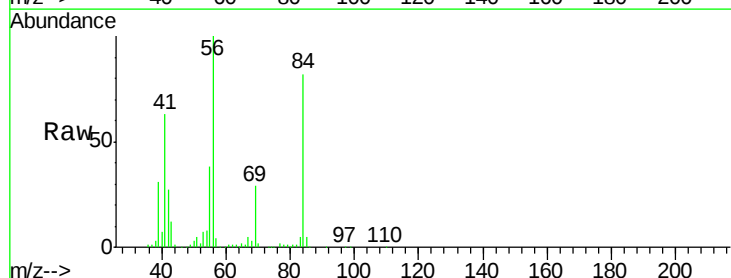
Tgt Ion: 56 Resp: 111322

Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

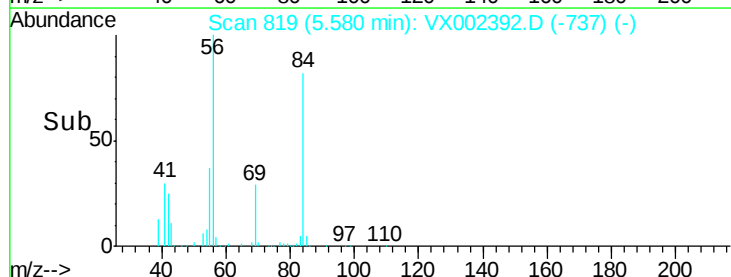
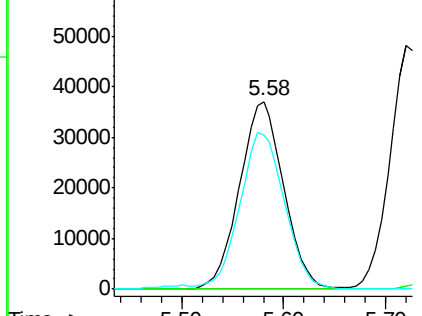
84 84.0 64.9 97.3

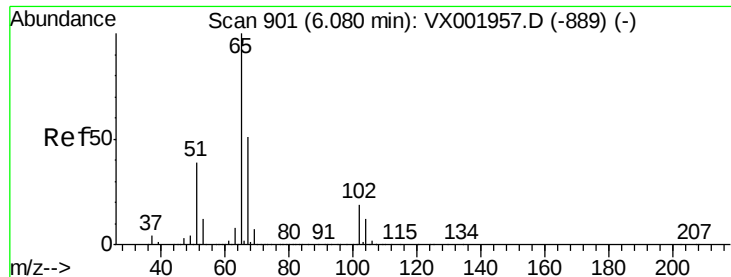


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





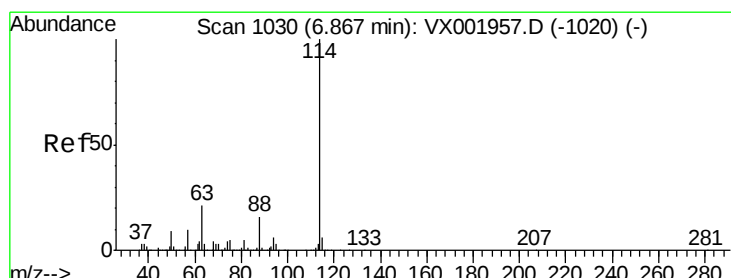
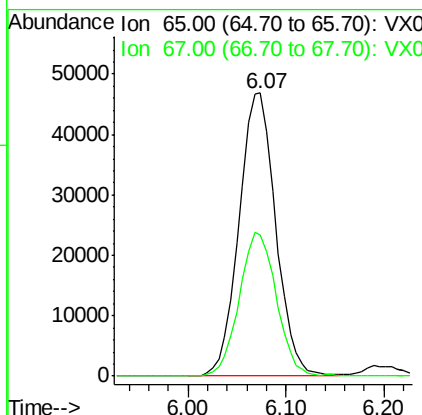
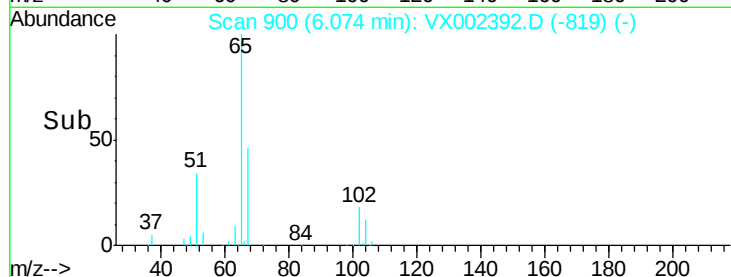
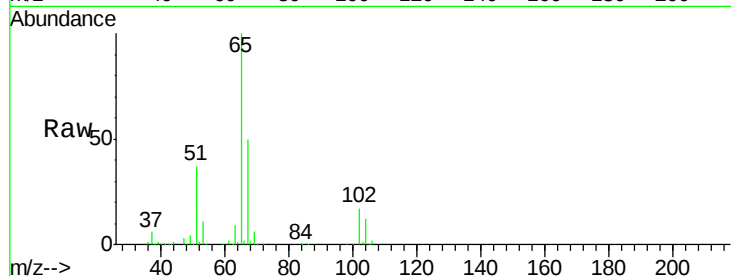
#27
 1,2-Dichloroethane-d4
 Concen: 31.23 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VX002392.D
 Acq: 08 Jun 2018 09:40

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC020

Tgt Ion: 65 Resp: 121941
 Ion Ratio Lower Upper
 65 100
 67 51.1 40.9 61.3

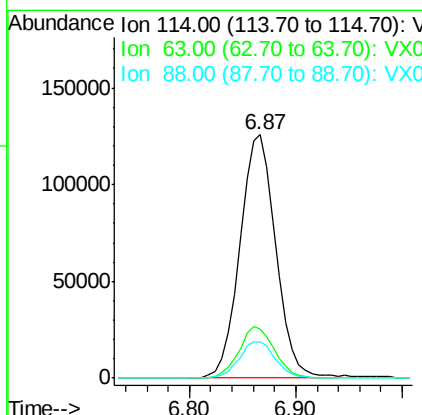
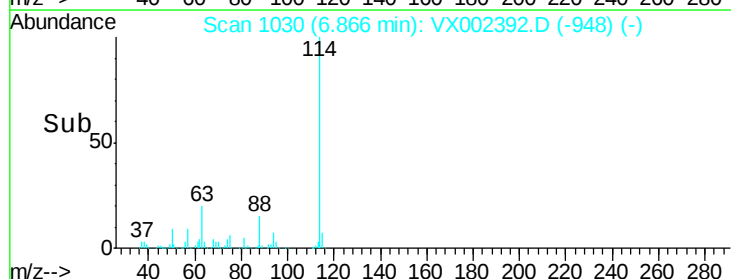
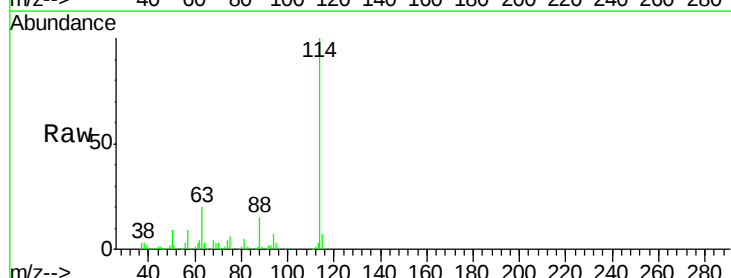
Manual Integrations
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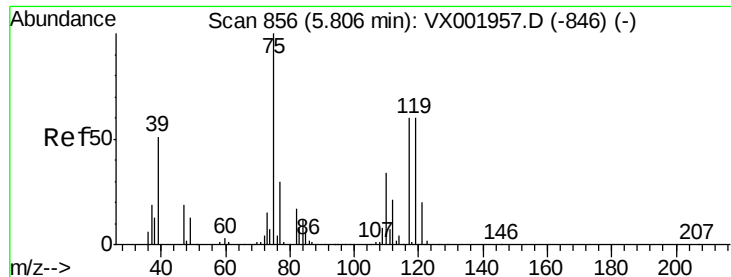
MMDadoda
 6/11/2018 9:30:10 AM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002392.D
 Acq: 08 Jun 2018 09:40

Tgt Ion: 114 Resp: 297797
 Ion Ratio Lower Upper
 114 100
 63 21.0 17.1 25.7
 88 15.2 12.6 19.0





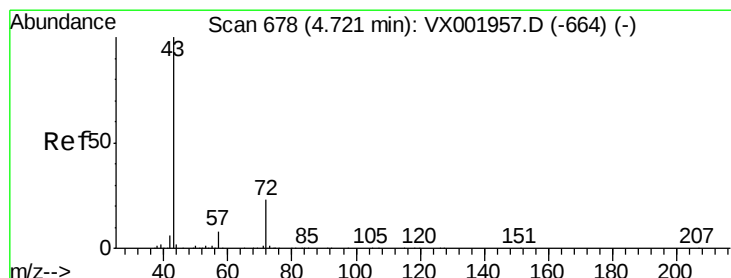
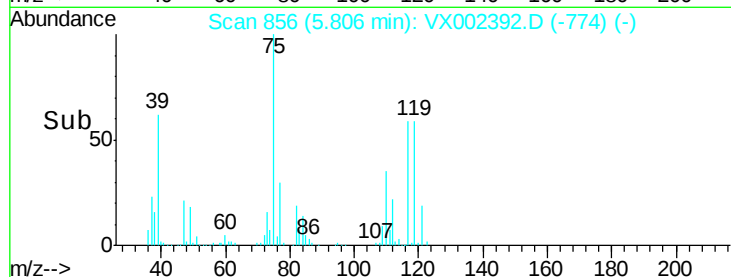
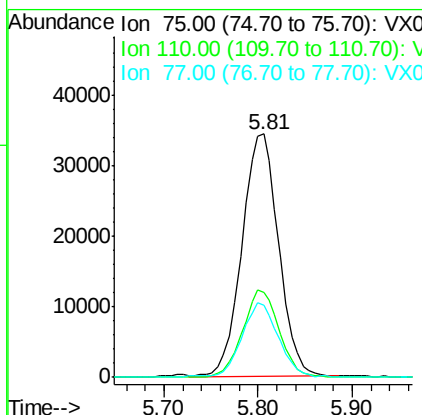
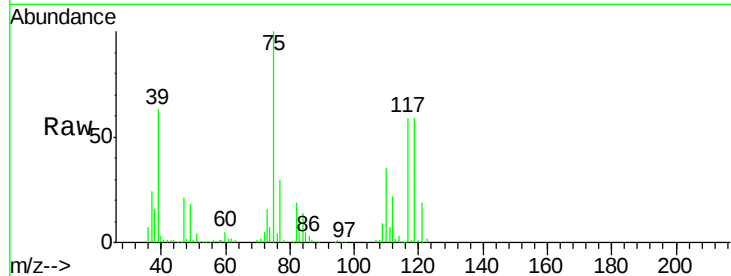
#29
 1,1-Dichloropropene
 Concen: 22.39 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VX002392.D
 Acq: 08 Jun 2018 09:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	0.0	71.4
77	29.5	0.0	60.6

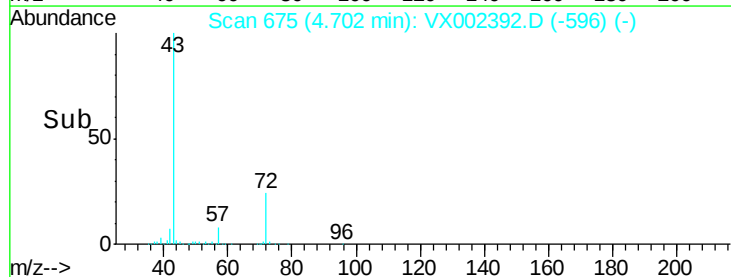
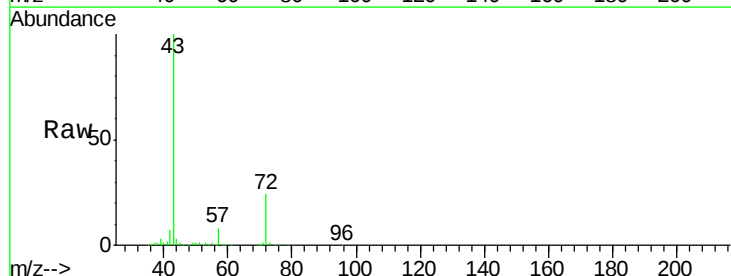
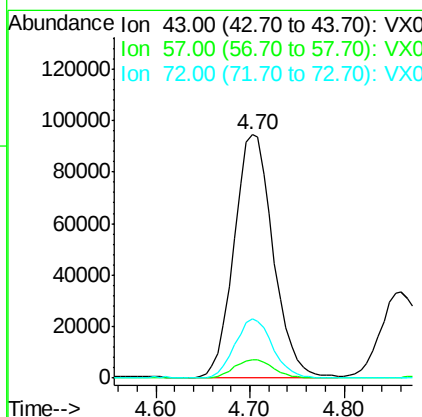
Manual Integrations
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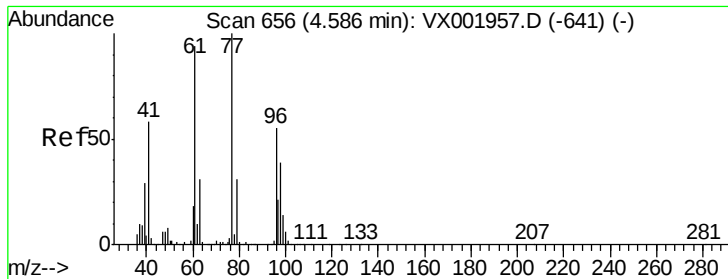
MMDadoda
 6/11/2018 9:30:10 AM



#30
 2-Butanone
 Concen: 93.74 ug/l
 RT: 4.70 min Scan# 675
 Delta R.T. -0.02 min
 Lab File: VX002392.D
 Acq: 08 Jun 2018 09:40

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.7	6.1	9.1
72	23.8	18.1	27.1





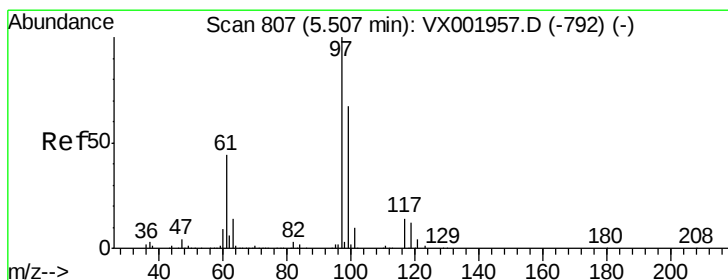
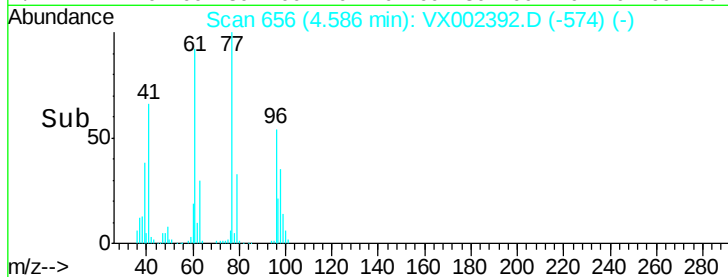
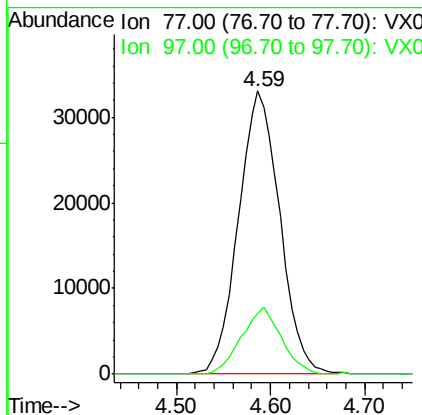
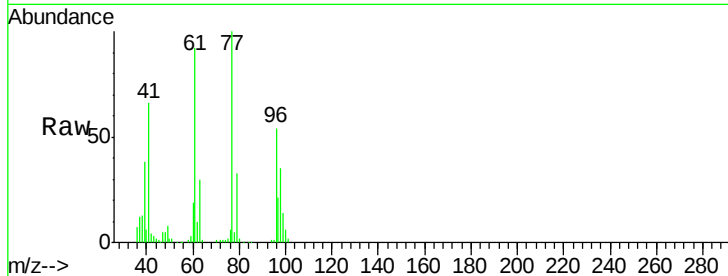
#31
 2,2-Dichloropropane
 Concen: 27.72 ug/l
 RT: 4.59 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VX002392.D
 Acq: 08 Jun 2018 09:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 77 Resp: 101505
 Ion Ratio Lower Upper
 77 100
 97 22.9 18.7 28.1

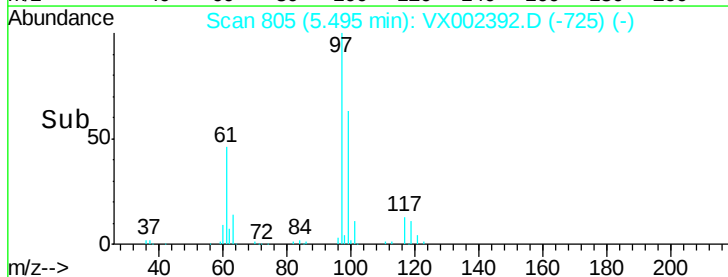
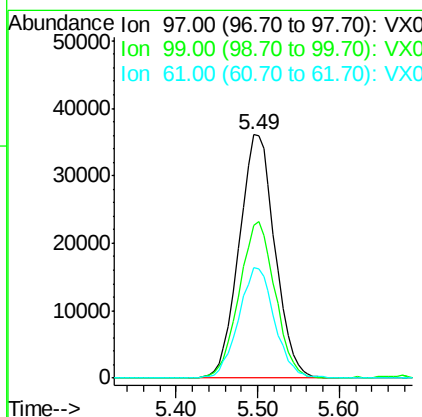
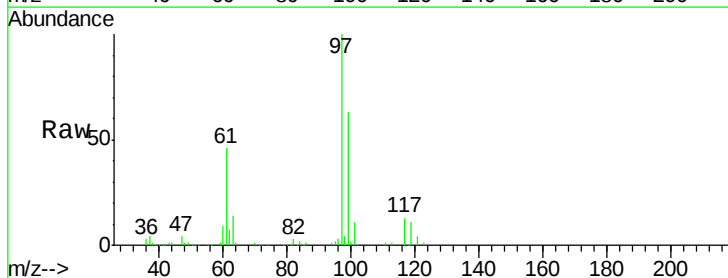
Manual Integrations
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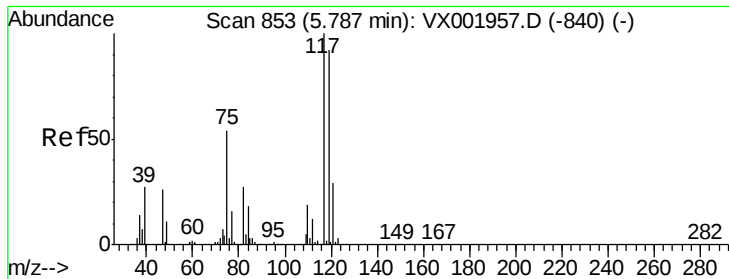
MMDadoda
 6/11/2018 9:30:10 AM



#32
 1,1,1-Trichloroethane
 Concen: 20.29 ug/l
 RT: 5.49 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX002392.D
 Acq: 08 Jun 2018 09:40

Tgt Ion: 97 Resp: 110405
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.7 77.5
 61 45.3 36.4 54.6





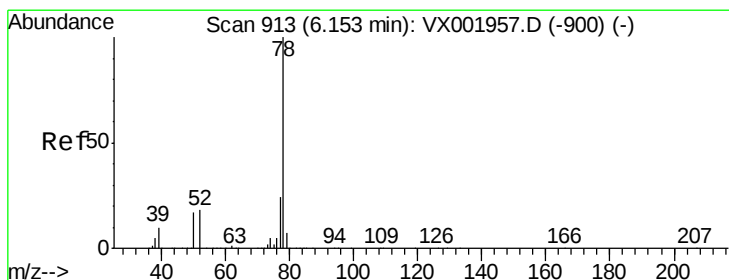
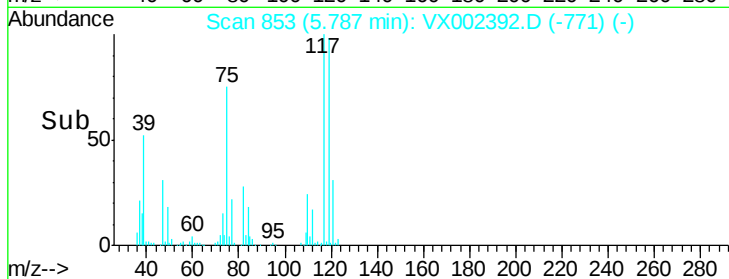
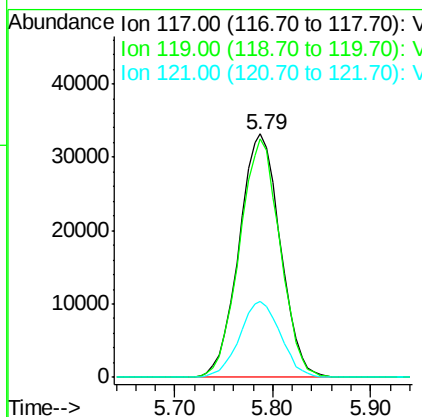
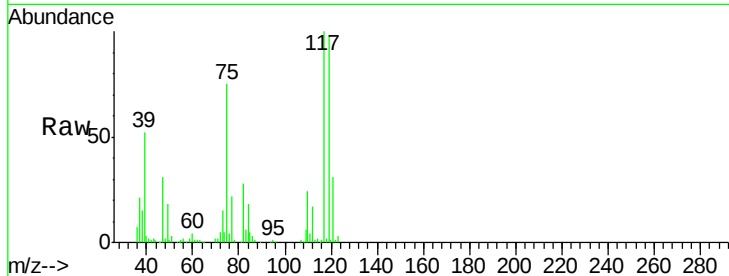
#33
Carbon Tetrachloride
Concen: 19.60 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002392.D
Acq: 08 Jun 2018 09:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	73.3	109.9
121	31.2	23.6	35.4

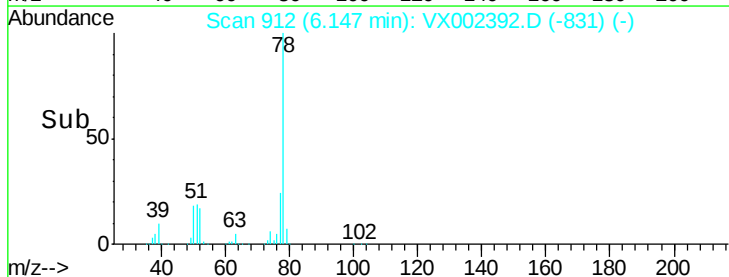
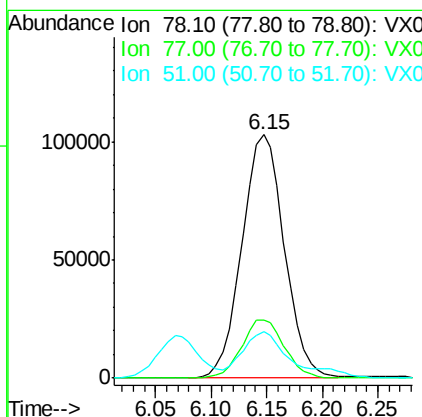
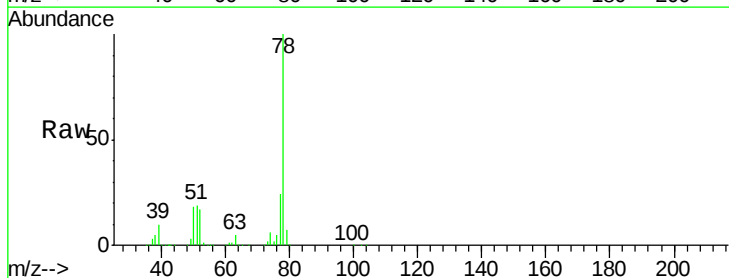
Manual Integrations
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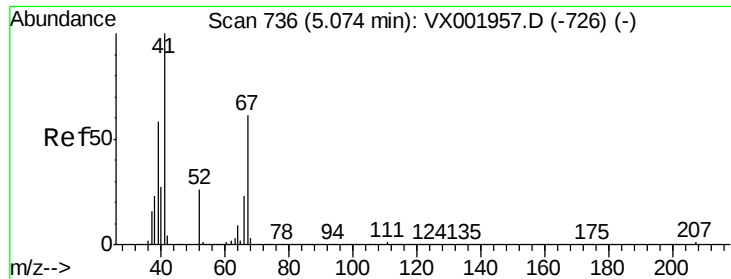
MMDadoda
6/11/2018 9:30:10 AM



#34
Benzene
Concen: 21.73 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.01 min
Lab File: VX002392.D
Acq: 08 Jun 2018 09:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.0
51	16.2	13.8	20.6





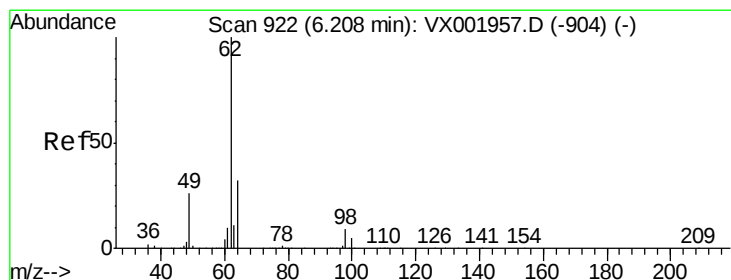
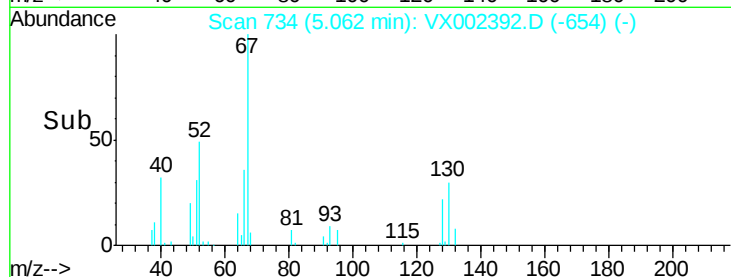
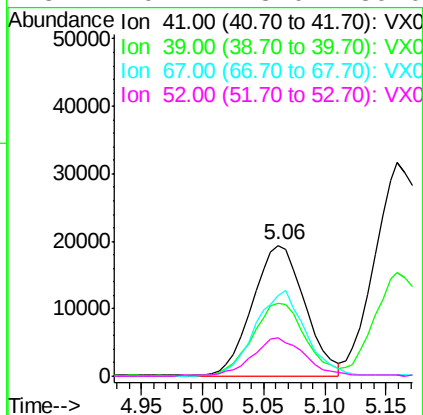
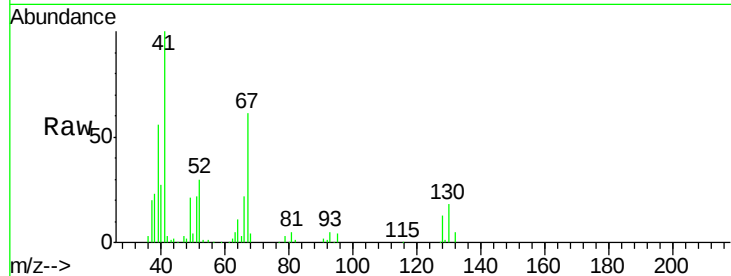
#35
Methacrylonitrile
Concen: 17.84 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX002392.D
Acq: 08 Jun 2018 09:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.7	28.8	86.5
67	61.4	30.4	91.2
52	29.4	13.0	39.0

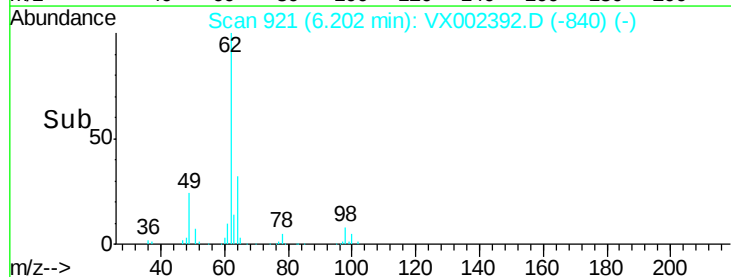
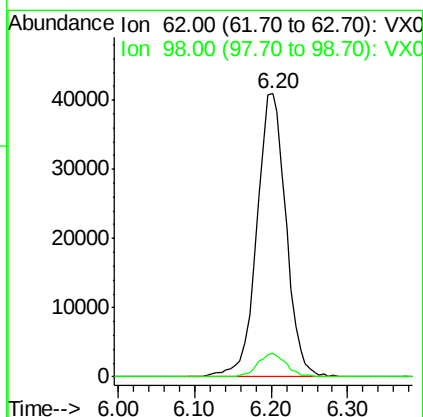
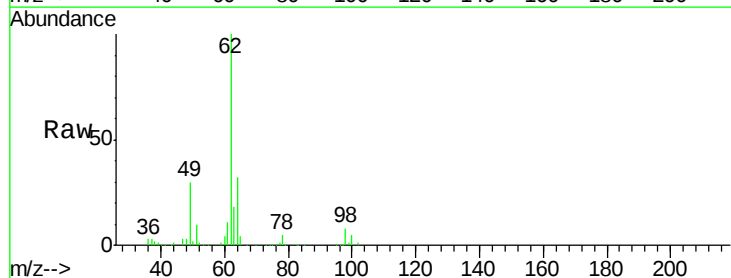
Manual Integrations
APPROVED

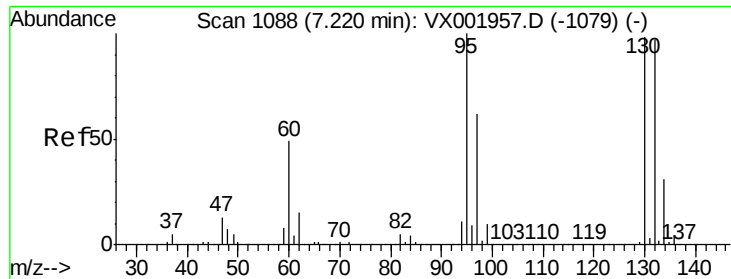
MMDadoda
6/11/2018 9:30:10 AM



#36
1,2-Dichloroethane
Concen: 22.25 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX002392.D
Acq: 08 Jun 2018 09:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	6.5	9.7





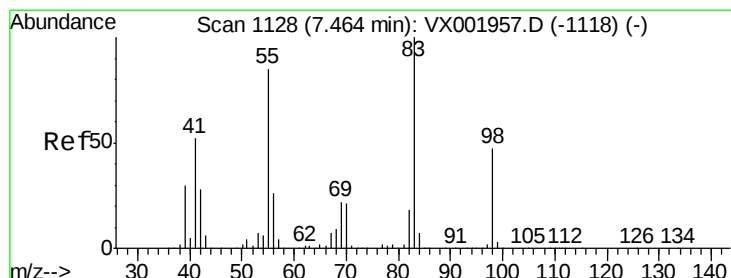
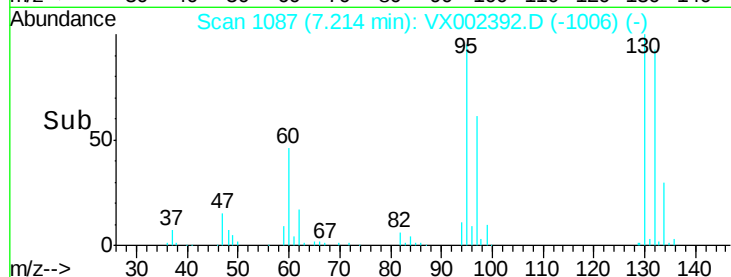
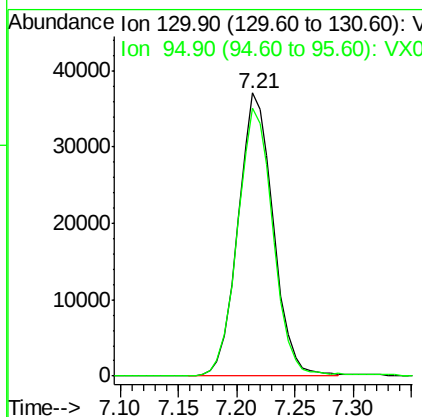
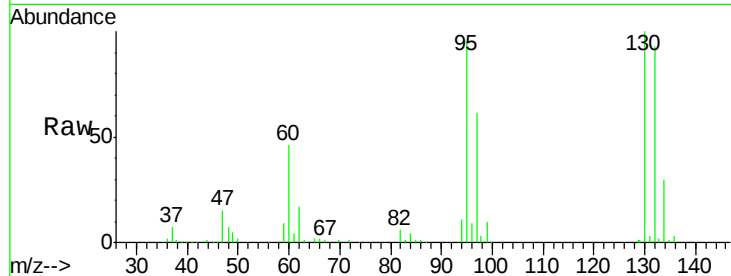
#37
 Trichloroethene
 Concen: 21.82 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX002392.D
 Acq: 08 Jun 2018 09:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 130 Resp: 77883
 Ion Ratio Lower Upper
 130 100
 95 94.6 81.5 122.3

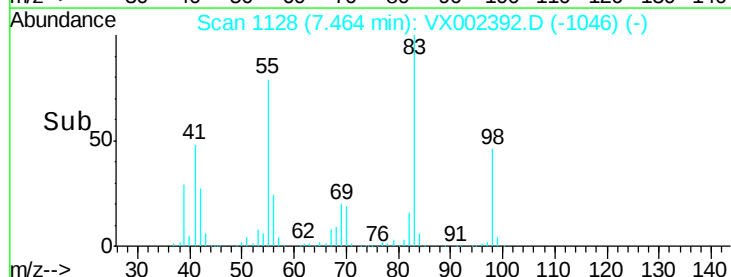
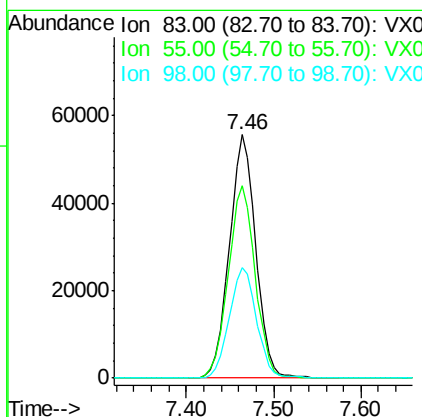
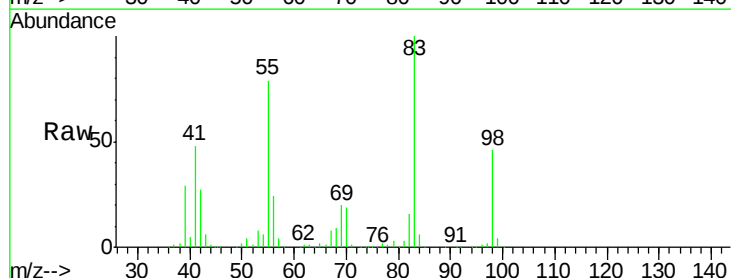
Manual Integrations
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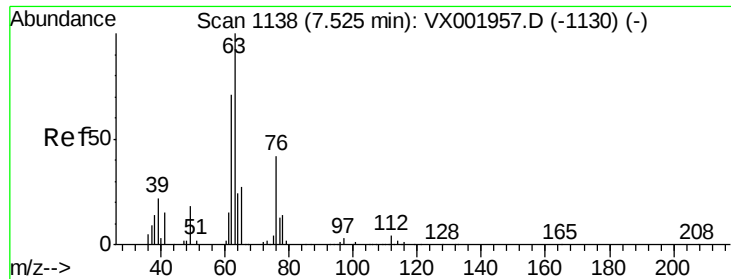
MMDadoda
 6/11/2018 9:30:10 AM



#38
 Methylcyclohexane
 Concen: 24.10 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VX002392.D
 Acq: 08 Jun 2018 09:40

Tgt Ion: 83 Resp: 117137
 Ion Ratio Lower Upper
 83 100
 55 80.6 40.6 121.8
 98 46.7 23.5 70.5





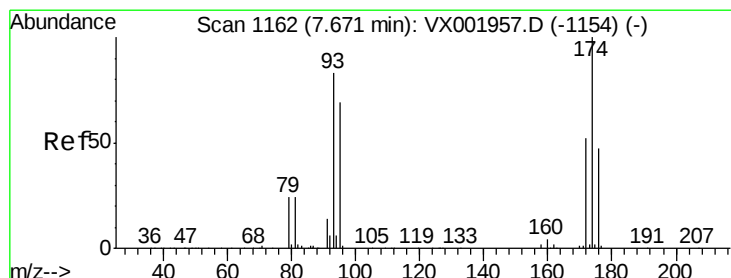
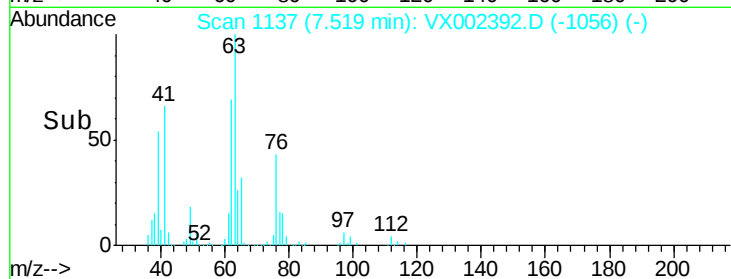
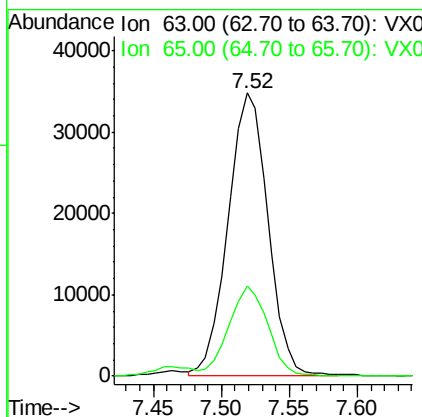
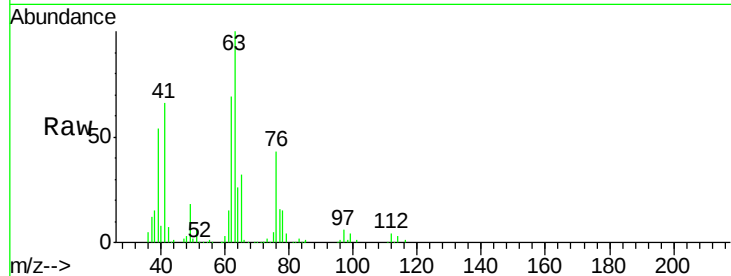
#39
 1,2-Dichloropropane
 Concen: 20.98 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX002392.D
 Acq: 08 Jun 2018 09:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 63 Resp: 71383
 Ion Ratio Lower Upper
 63 100
 65 31.7 23.3 34.9

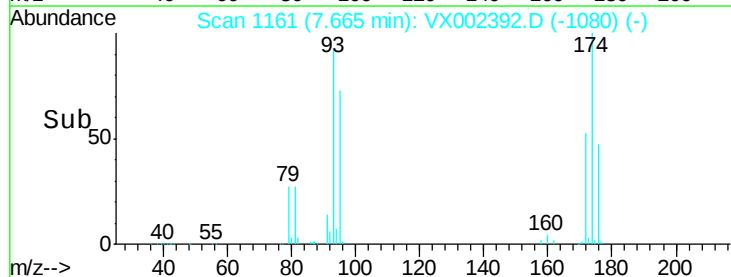
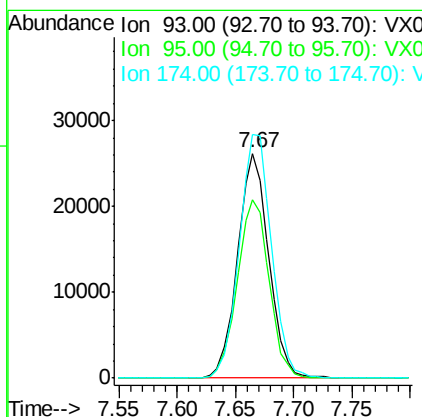
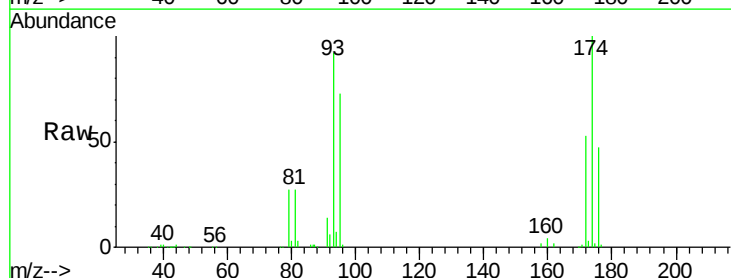
Manual Integrations
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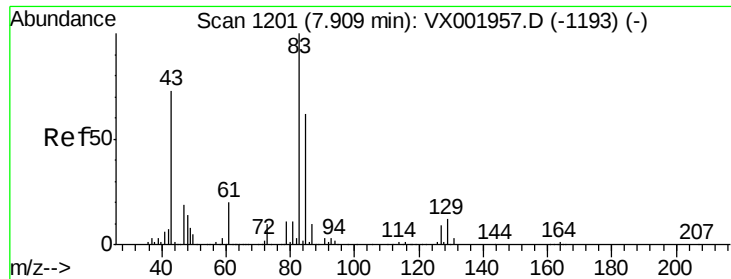
MMDadoda
 6/11/2018 9:30:10 AM



#40
 Dibromomethane
 Concen: 21.41 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: VX002392.D
 Acq: 08 Jun 2018 09:40

Tgt Ion: 93 Resp: 48874
 Ion Ratio Lower Upper
 93 100
 95 80.8 0.0 162.6
 174 112.2 0.0 229.4





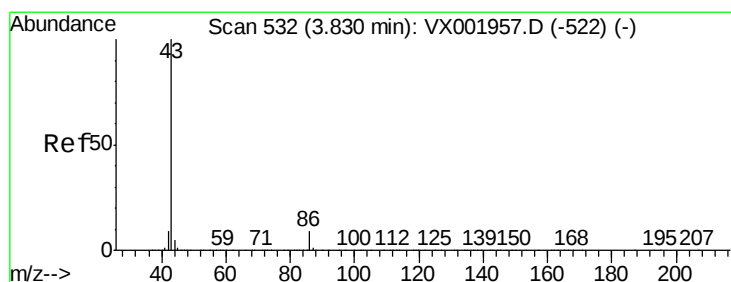
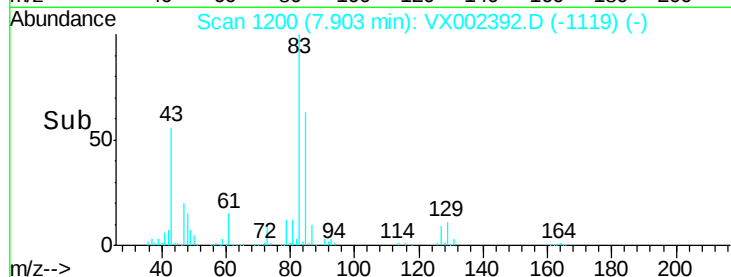
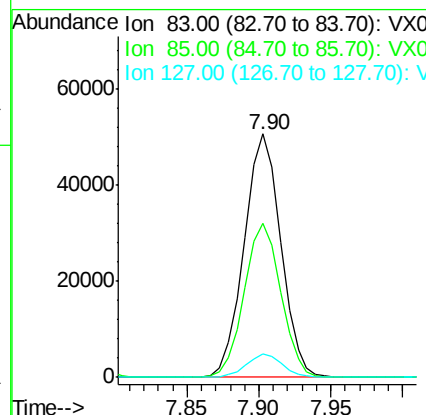
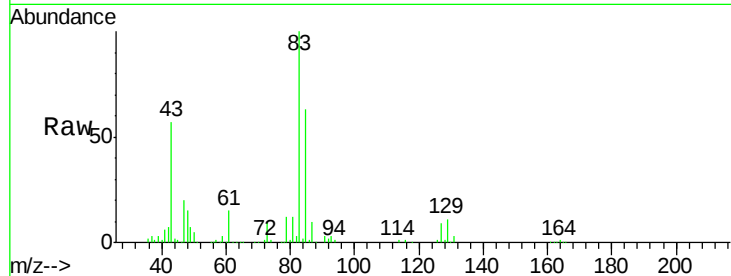
#41
Bromodichloromethane
Concen: 18.89 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VX002392.D
Acq: 08 Jun 2018 09:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	49.8	74.8
127	9.4	7.3	10.9

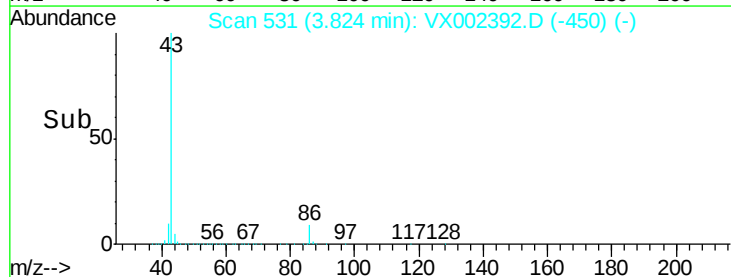
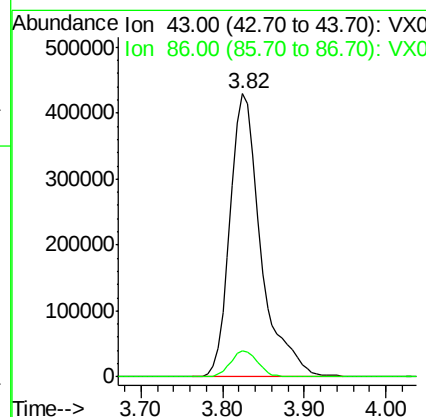
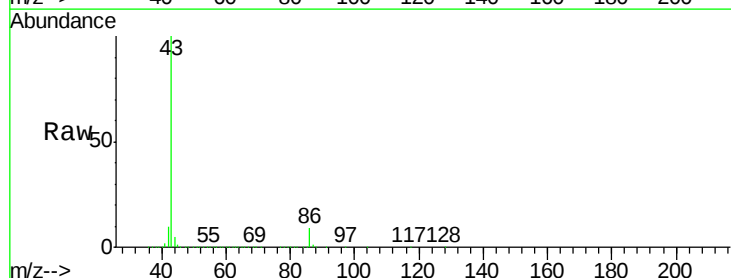
Manual Integrations
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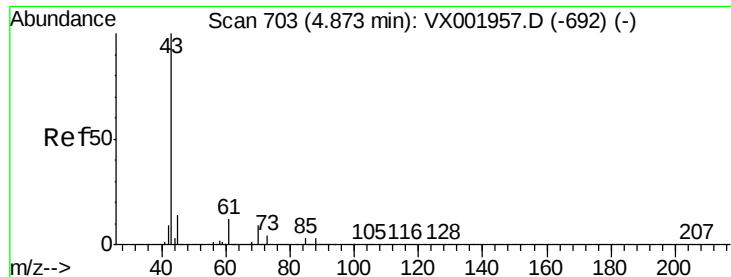
MMDadoda
6/11/2018 9:30:10 AM



#42
Vinyl Acetate
Concen: 122.32 ug/l
RT: 3.82 min Scan# 531
Delta R.T. -0.01 min
Lab File: VX002392.D
Acq: 08 Jun 2018 09:40

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.7	10.1





#43

Ethyl Acetate

Concen: 17.11 ug/l

RT: 4.86 min Scan# 701

Delta R.T. -0.01 min

Lab File: VX002392.D

Acq: 08 Jun 2018 09:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 43 Resp: 97593

Ion Ratio Lower Upper

43 100

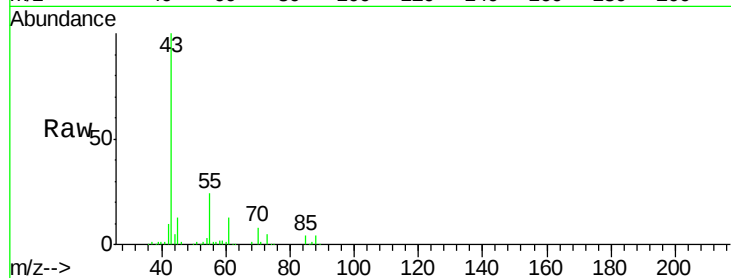
45 14.0 11.0 16.4

Manual Integrations

APPROVED

MMDadoda

6/11/2018 9:30:10 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

50000

40000

30000

20000

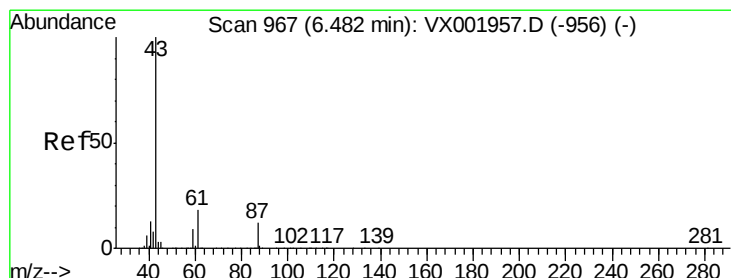
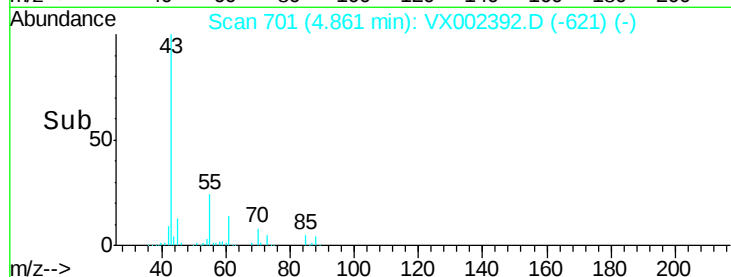
10000

0

4.80

4.90

Time-->



#44

Isopropyl Acetate

Concen: 17.86 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.02 min

Lab File: VX002392.D

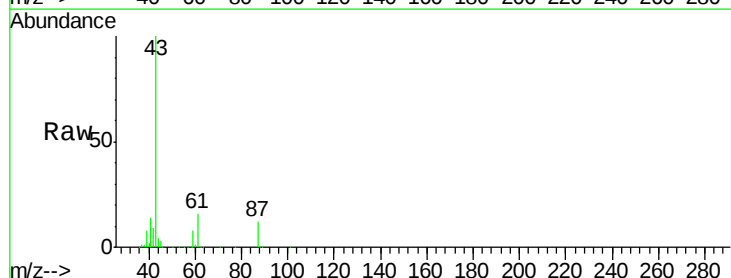
Acq: 08 Jun 2018 09:40

Tgt Ion: 43 Resp: 169420

Ion Ratio Lower Upper

43 100

61 17.4 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

80000

60000

40000

20000

0

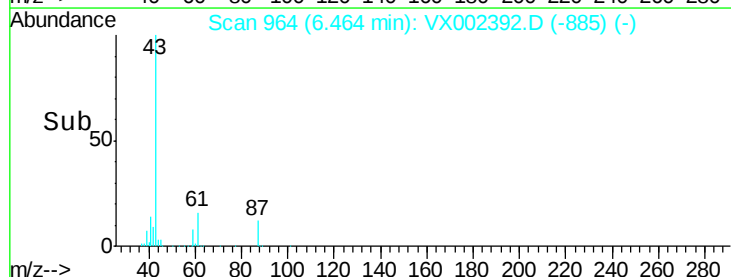
6.30

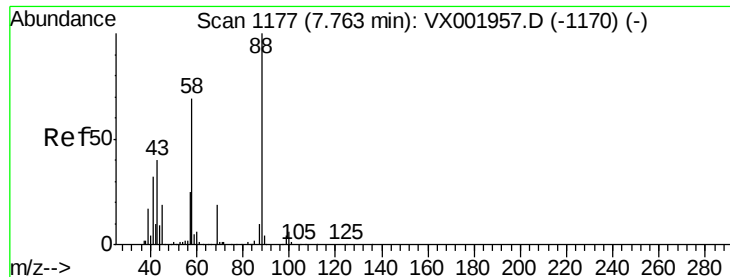
6.40

6.50

6.60

Time-->





#45

1,4-Dioxane

Concen: 357.50 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. -0.01 min

Lab File: VX002392.D

Acq: 08 Jun 2018 09:40

Instrument :

MSVOA_X

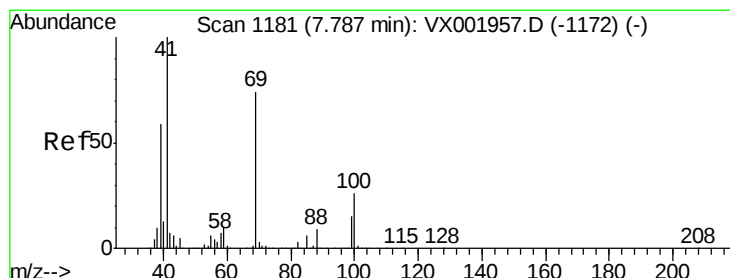
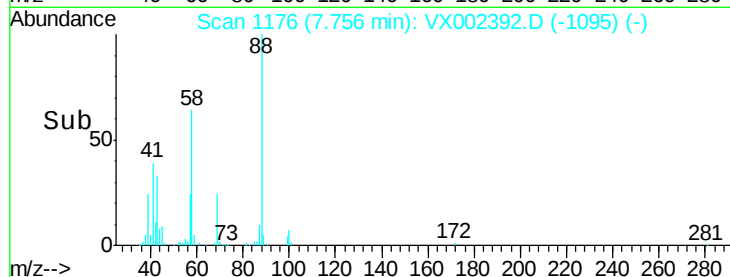
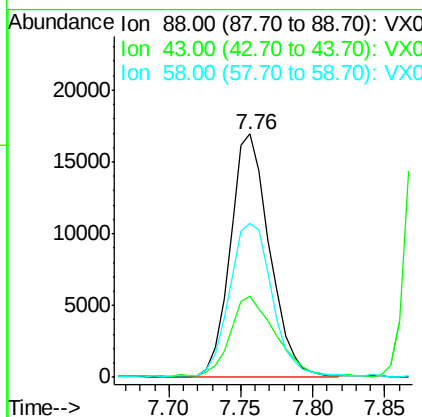
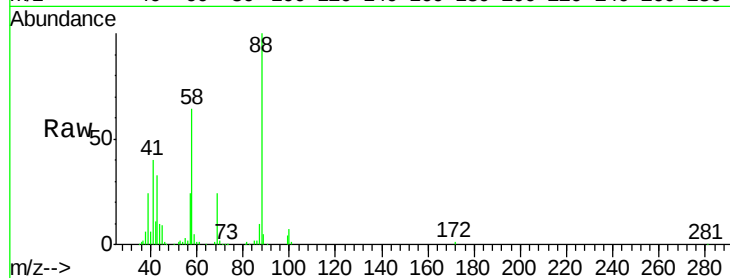
ClientSampleId :

VSTDCCC020

Tgt Ion:	88	Resp:	32261
Ion	Ratio	Lower	Upper
88	100		
43	36.6	43.2	64.8#
58	68.9	60.2	90.2

Manual Integrations
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MMDadoda
6/11/2018 9:30:10 AM



#46

Methyl methacrylate

Concen: 17.67 ug/l

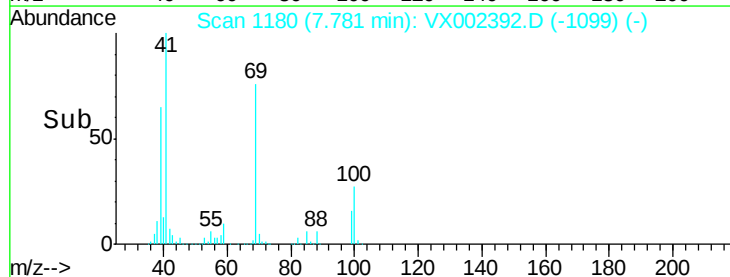
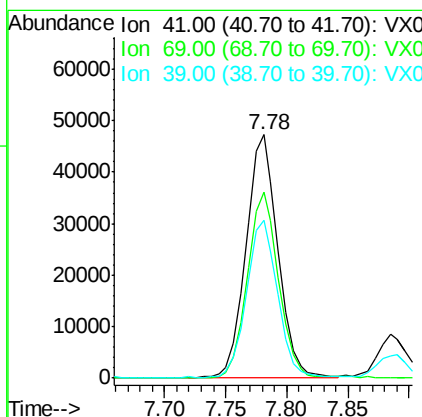
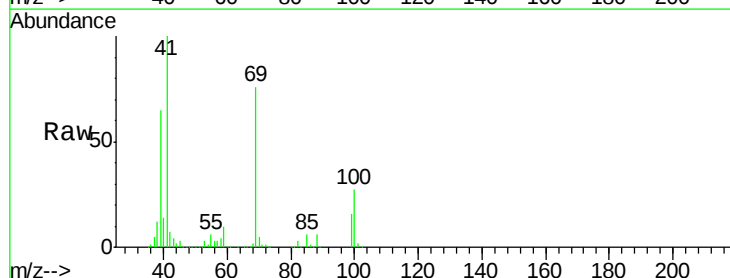
RT: 7.78 min Scan# 1180

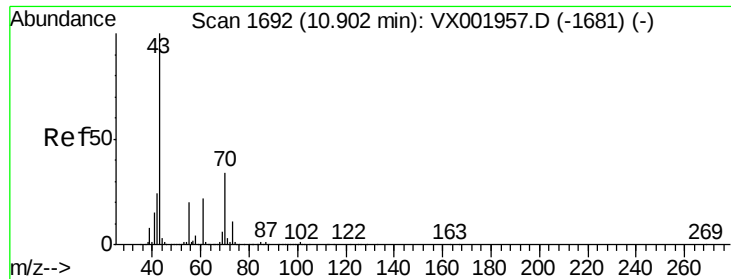
Delta R.T. -0.01 min

Lab File: VX002392.D

Acq: 08 Jun 2018 09:40

Tgt Ion:	41	Resp:	84879
Ion	Ratio	Lower	Upper
41	100		
69	76.5	37.0	110.9
39	64.5	29.6	88.9





#47

n-amy1 Acetate

Concen: 17.94 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX002392.D

Acq: 08 Jun 2018 09:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 43 Resp: 156568

Ion Ratio Lower Upper

43 100

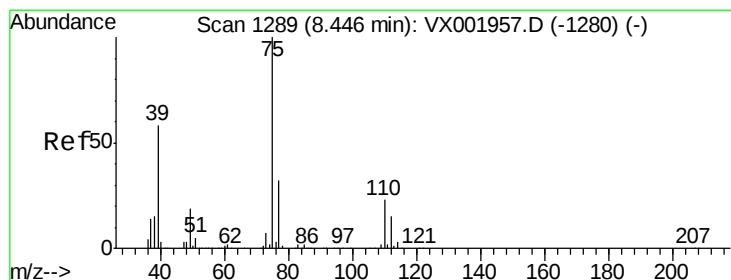
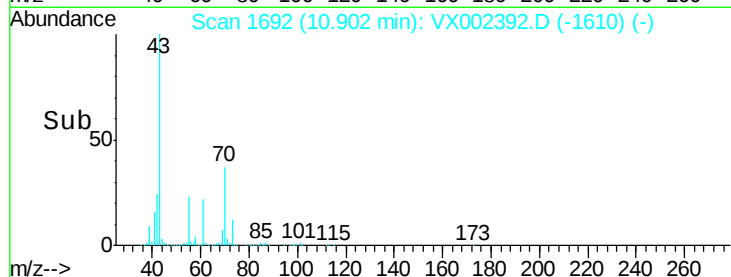
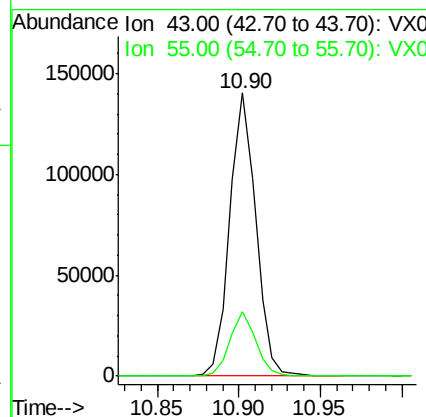
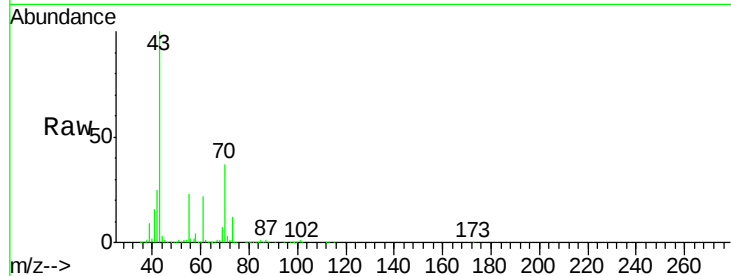
55 22.8 0.1 0.1#

Manual Integrations

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MMDadoda

6/11/2018 9:30:10 AM



#48

t-1,3-Dichloropropene

Concen: 20.06 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VX002392.D

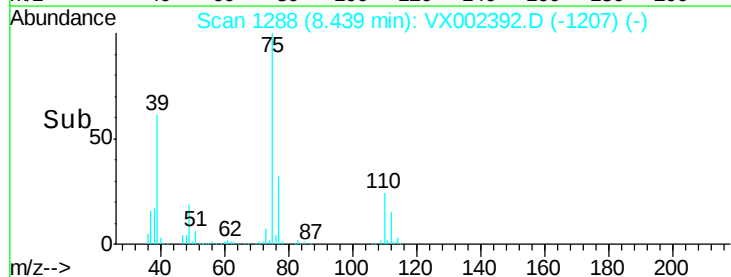
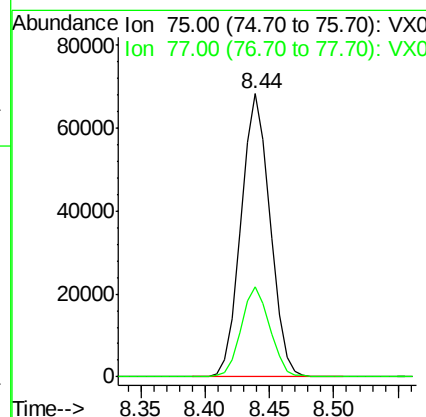
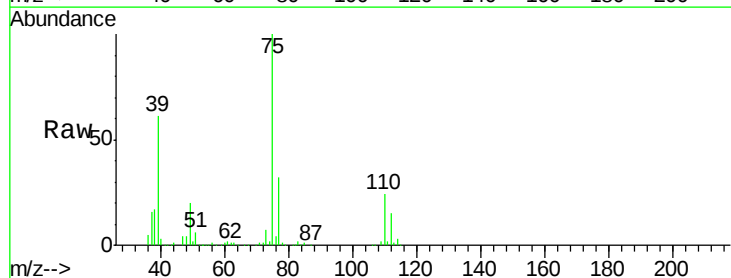
Acq: 08 Jun 2018 09:40

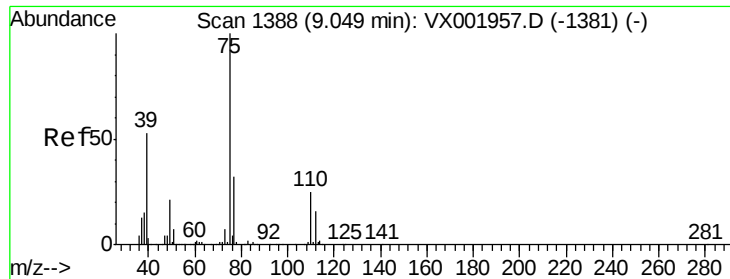
Tgt Ion: 75 Resp: 106734

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4





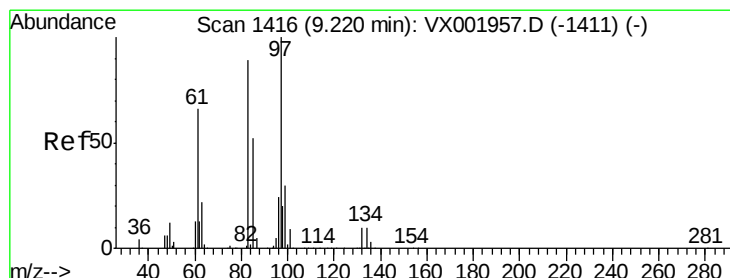
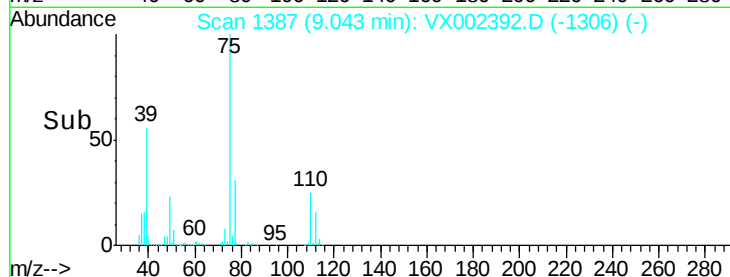
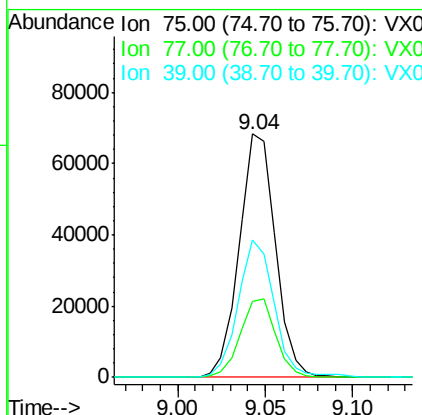
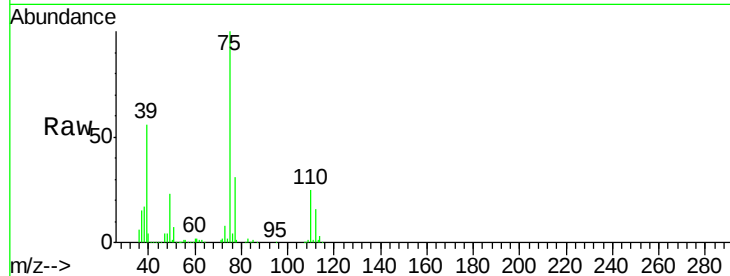
#49
 cis-1,3-Dichloropropene
 Concen: 19.05 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: VX002392.D
 Acq: 08 Jun 2018 09:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.2
39	56.2	42.3	63.5

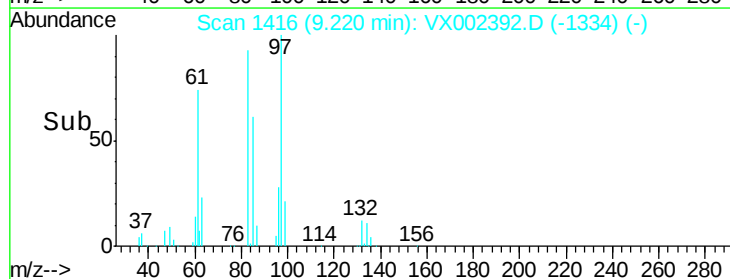
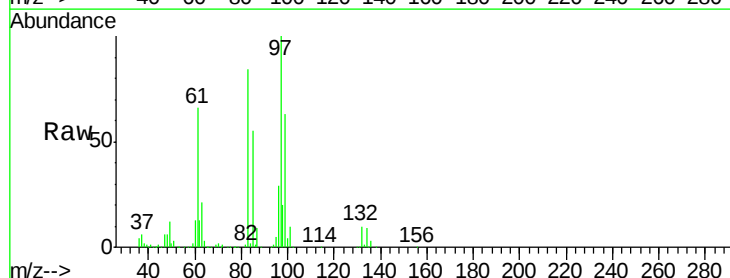
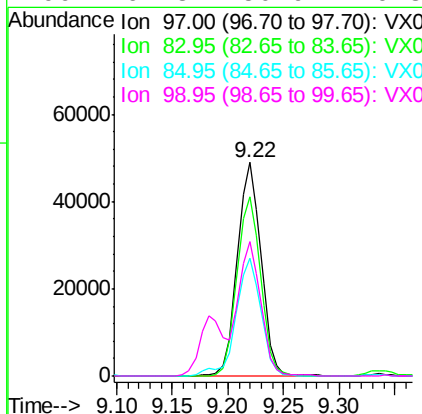
Manual Integrations
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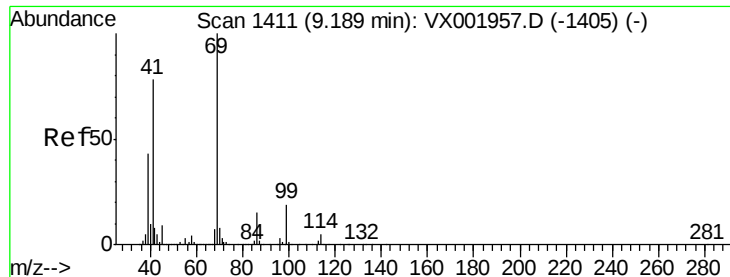
MMDadoda
 6/11/2018 9:30:10 AM



#50
 1,1,2-Trichloroethane
 Concen: 22.09 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002392.D
 Acq: 08 Jun 2018 09:40

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.8	70.8	106.2
85	55.0	43.5	65.3
99	62.8	50.9	76.3





#51

Ethyl methacrylate

Concen: 19.31 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.01 min

Lab File: VX002392.D

Acq: 08 Jun 2018 09:40

Instrument :

MSVOA_X

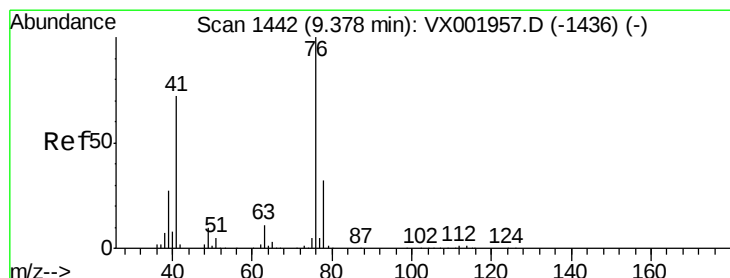
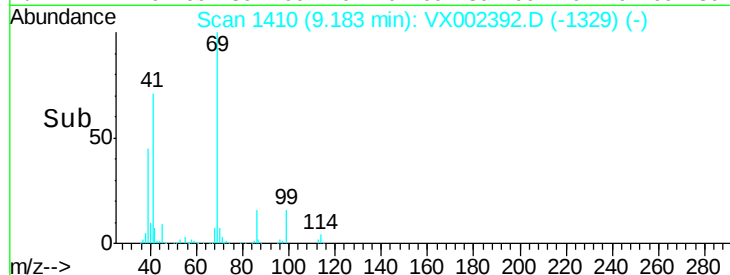
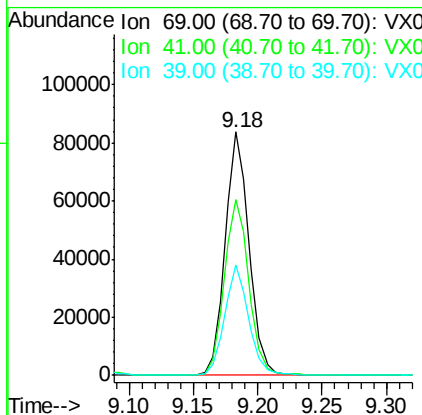
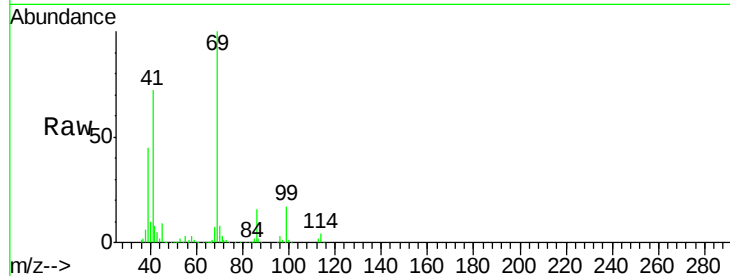
ClientSampleId :

VSTDCCC020

Tgt Ion:	69	Resp:	109625
Ion	Ratio	Lower	Upper
69	100		
41	72.1	39.1	117.3
39	45.2	21.7	65.1

Manual Integrations
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MMDadoda
6/11/2018 9:30:10 AM



#52

1,3-Dichloropropane

Concen: 21.54 ug/l

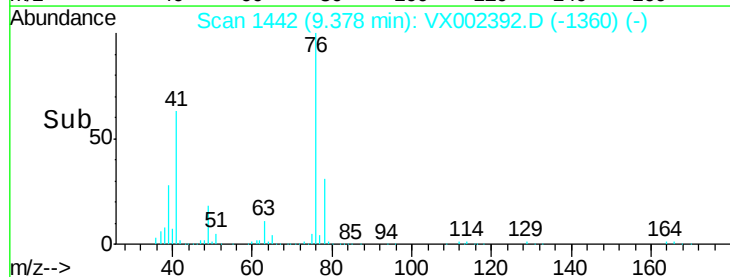
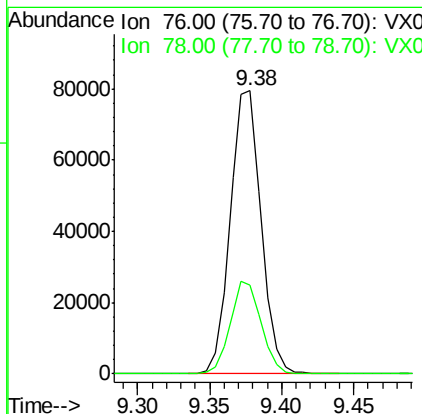
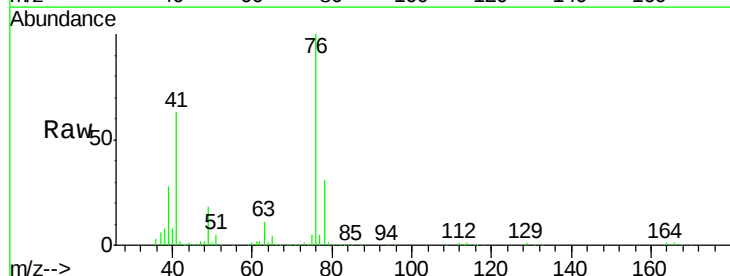
RT: 9.38 min Scan# 1442

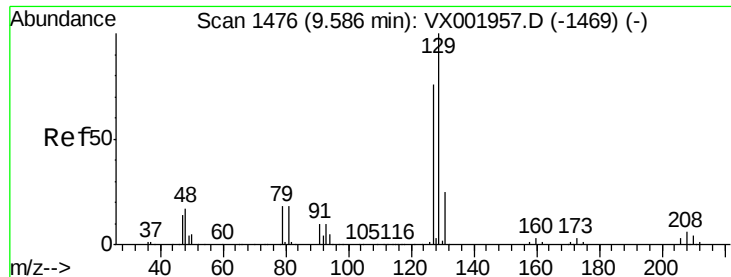
Delta R.T. -0.00 min

Lab File: VX002392.D

Acq: 08 Jun 2018 09:40

Tgt Ion:	76	Resp:	119025
Ion	Ratio	Lower	Upper
76	100		
78	32.7	0.0	63.4





#53

Dibromochloromethane

Concen: 17.66 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX002392.D

Acq: 08 Jun 2018 09:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion:129 Resp: 70694

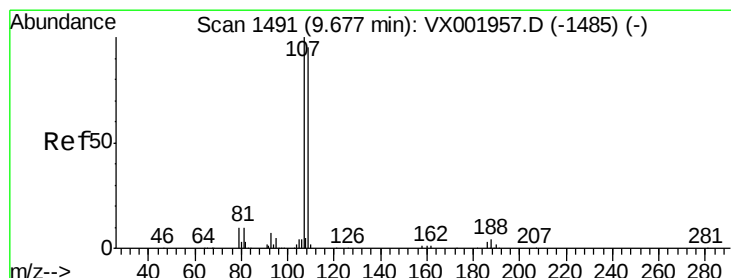
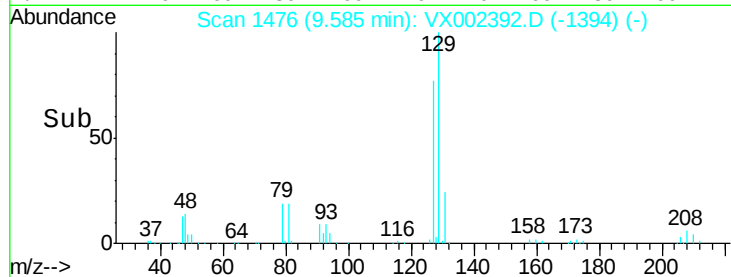
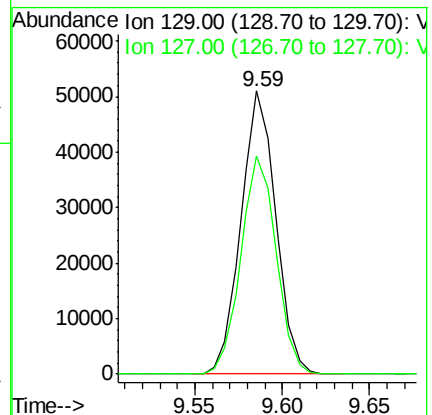
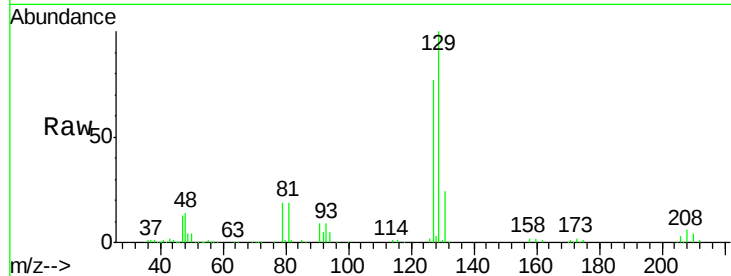
Ion Ratio Lower Upper

129 100

127 78.0 38.5 115.3

Manual Integrations
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MMDadoda
6/11/2018 9:30:10 AM



#54

1,2-Dibromoethane

Concen: 20.86 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002392.D

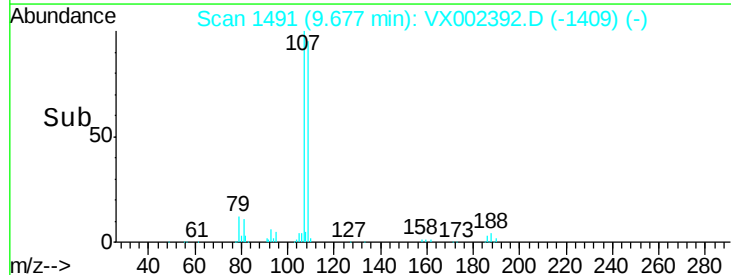
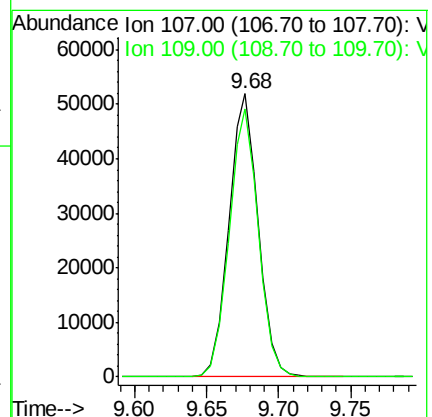
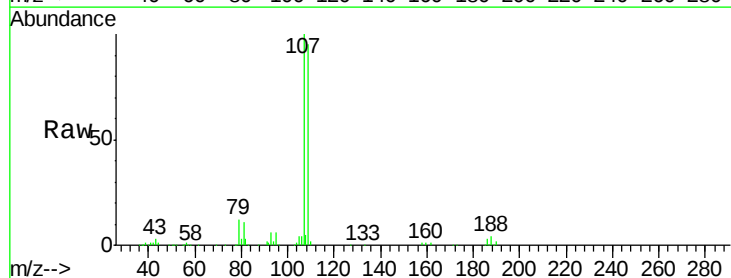
Acq: 08 Jun 2018 09:40

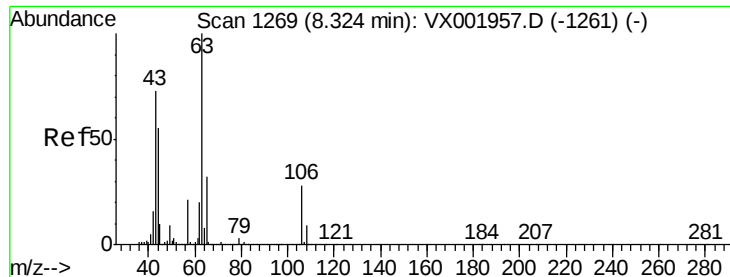
Tgt Ion:107 Resp: 73989

Ion Ratio Lower Upper

107 100

109 94.0 75.5 113.3





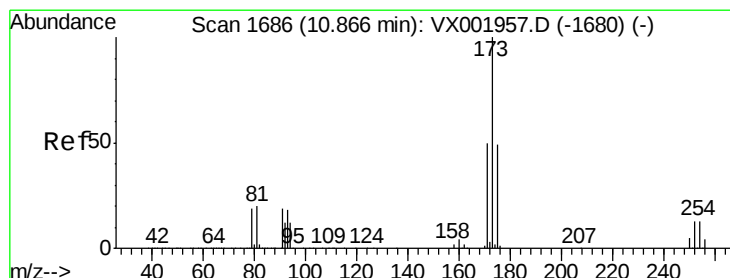
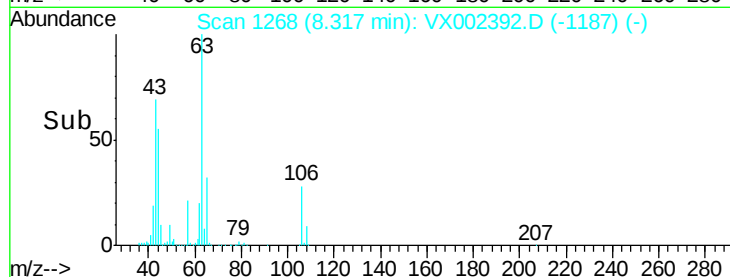
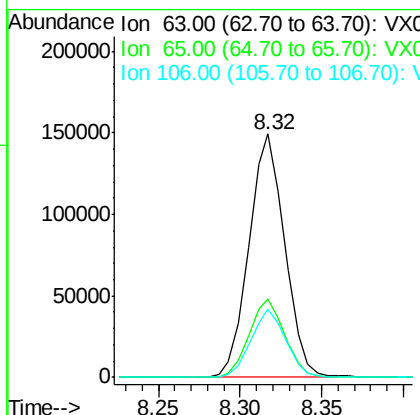
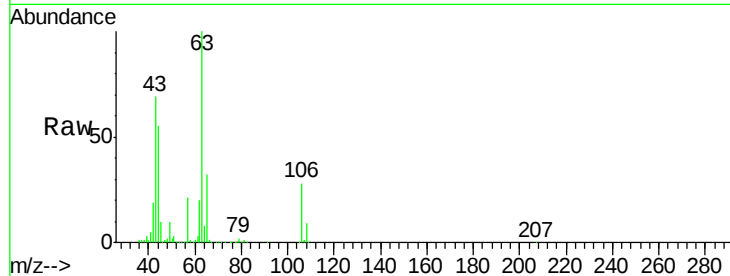
#55
2-Chloroethyl vinyl ether
Concen: 85.53 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VX002392.D
Acq: 08 Jun 2018 09:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.6	38.4
106	27.5	21.6	32.4

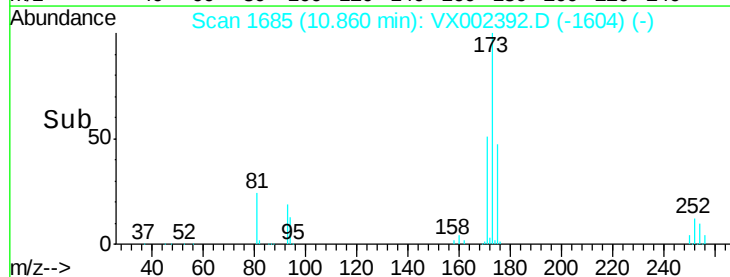
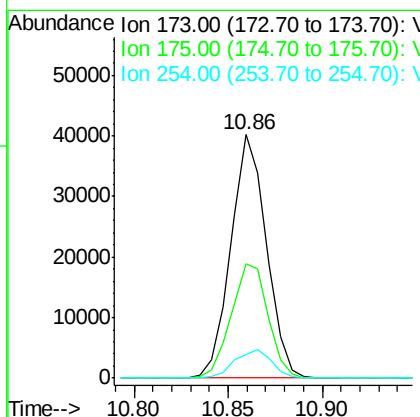
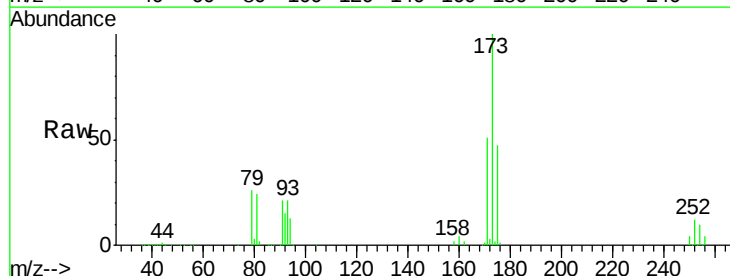
Manual Integrations
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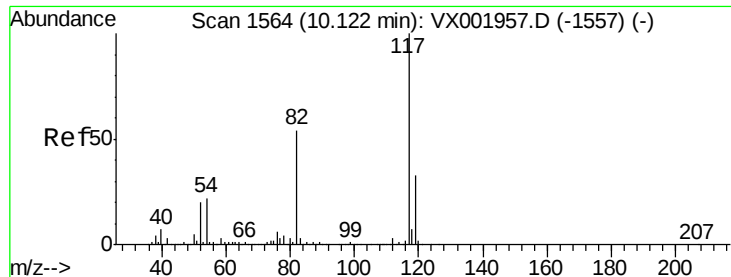
MMDadoda
6/11/2018 9:30:10 AM



#56
Bromoform
Concen: 14.94 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VX002392.D
Acq: 08 Jun 2018 09:40

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	39.0	58.4
254	12.2	9.6	14.4





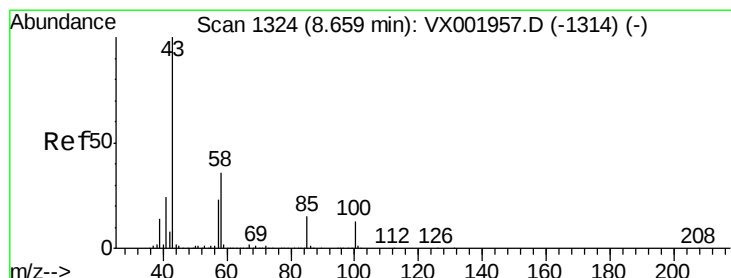
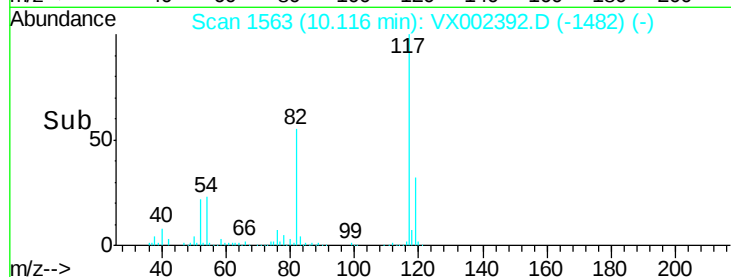
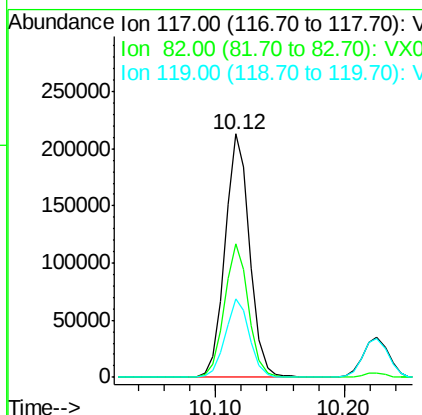
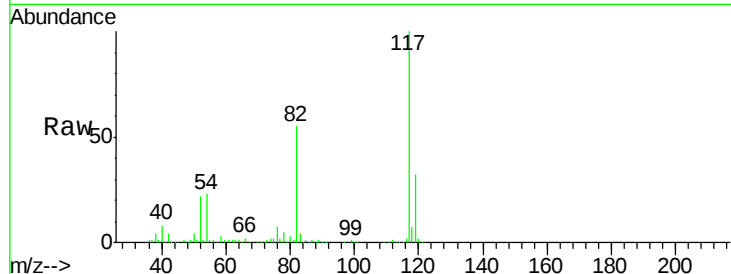
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX002392.D
Acq: 08 Jun 2018 09:40

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	285619		
82	53.7	44.3	66.5	
119	31.9	25.7	38.5	

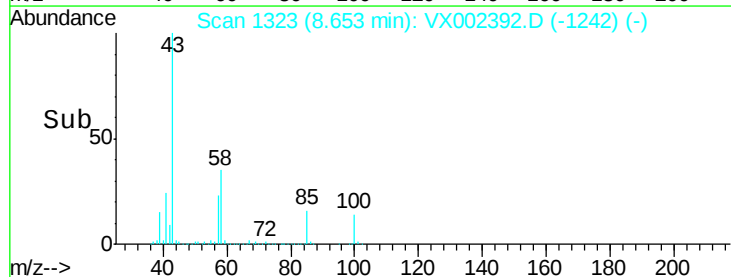
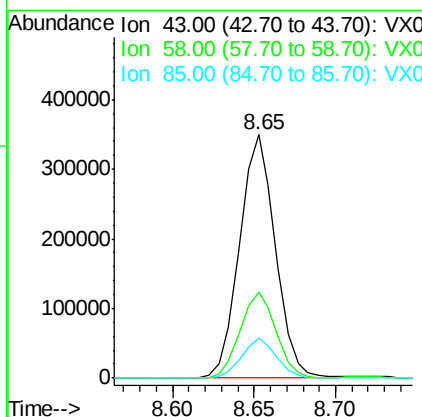
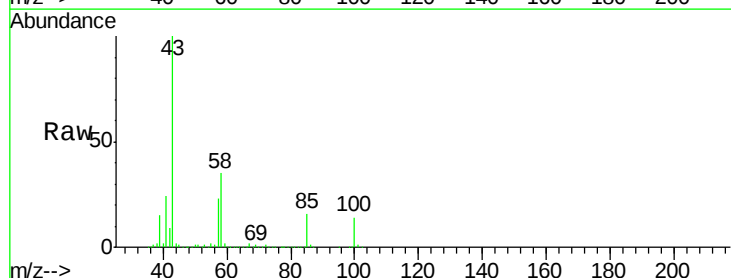
Manual Integrations
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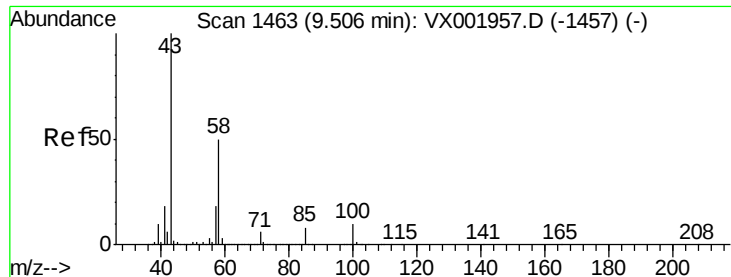
MMDadoda
6/11/2018 9:30:10 AM



#58
4-Methyl-2-Pentanone
Concen: 85.91 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX002392.D
Acq: 08 Jun 2018 09:40

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	533958		
58	35.4	28.2	42.4	
85	16.0	12.4	18.6	





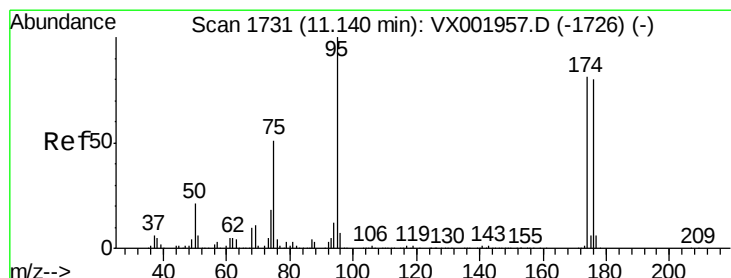
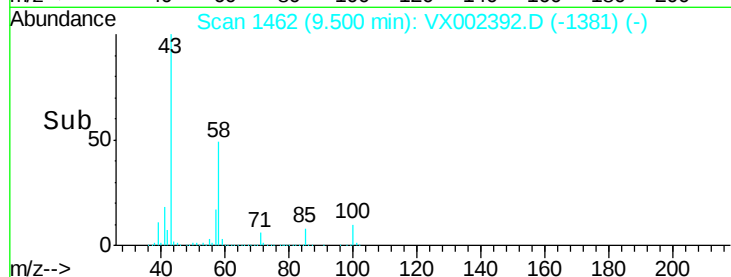
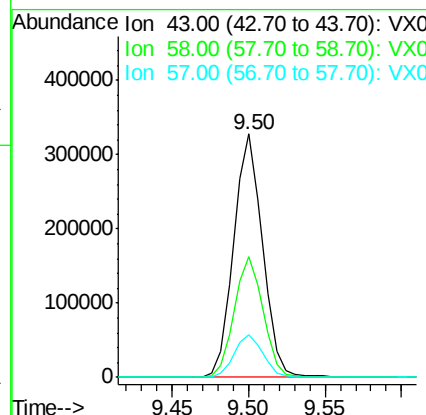
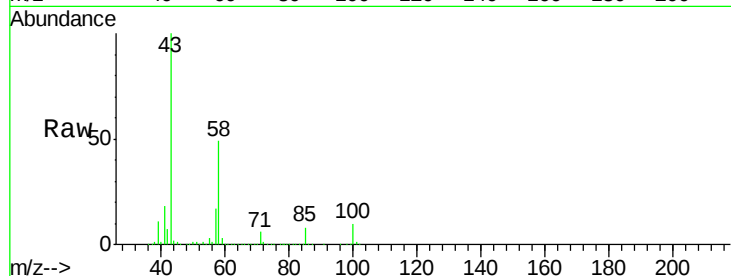
#59
2-Hexanone
Concen: 88.60 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002392.D
Acq: 08 Jun 2018 09:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.6	39.6	59.4
57	17.4	14.1	21.1

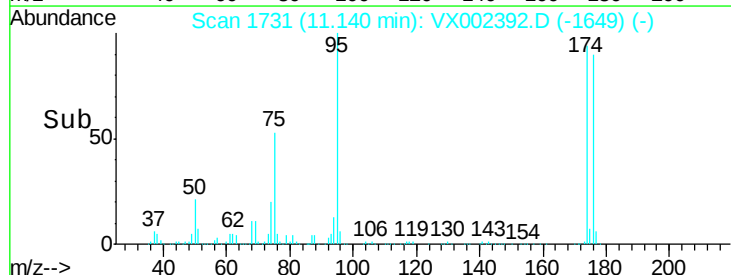
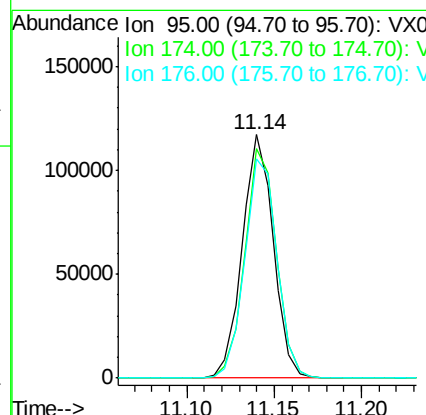
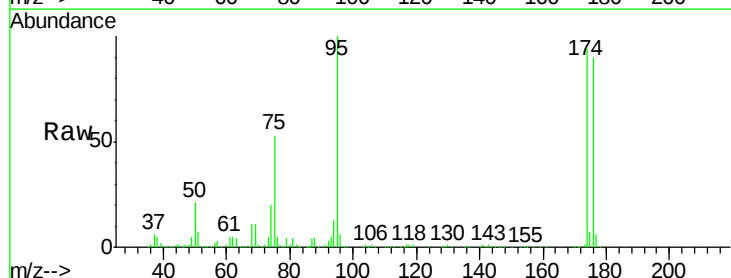
Manual Integrations
APPROVED

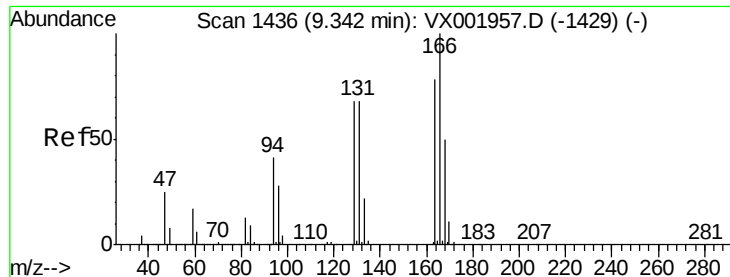
MMDadoda
6/11/2018 9:30:10 AM



#60
4-Bromofluorobenzene
Concen: 29.60 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002392.D
Acq: 08 Jun 2018 09:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.7	71.8	107.6
176	93.1	70.1	105.1





#61

Tetrachloroethene

Concen: 20.44 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.01 min

Lab File: VX002392.D

Acq: 08 Jun 2018 09:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion:164 Resp: 89033

Ion Ratio Lower Upper

164 100

166 124.3 102.4 153.6

129 90.3 70.1 105.1

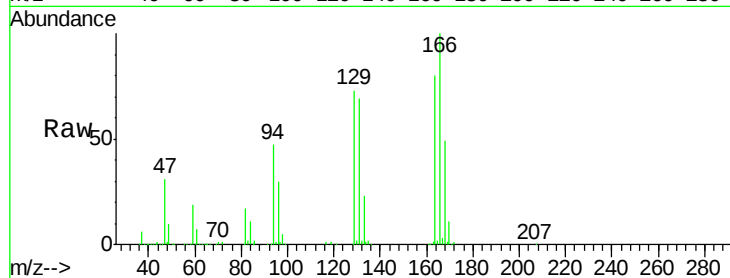
131 85.6 69.1 103.7

Manual Integrations

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MMDadoda

6/11/2018 9:30:10 AM

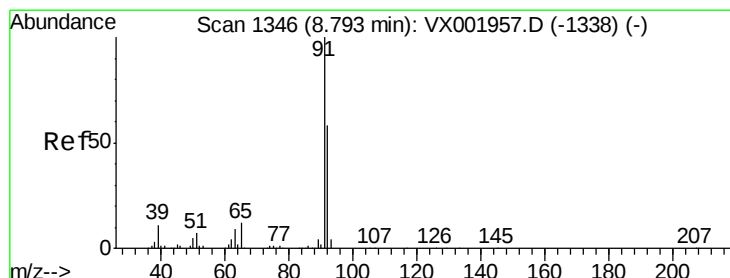
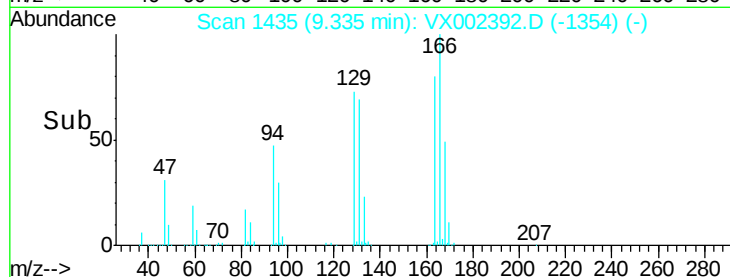
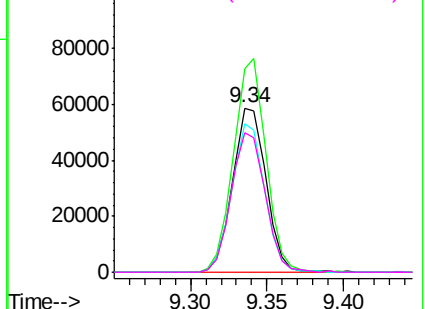


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 21.48 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX002392.D

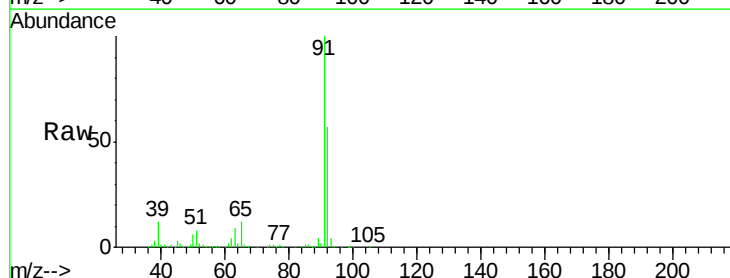
Acq: 08 Jun 2018 09:40

Tgt Ion: 91 Resp: 313342

Ion Ratio Lower Upper

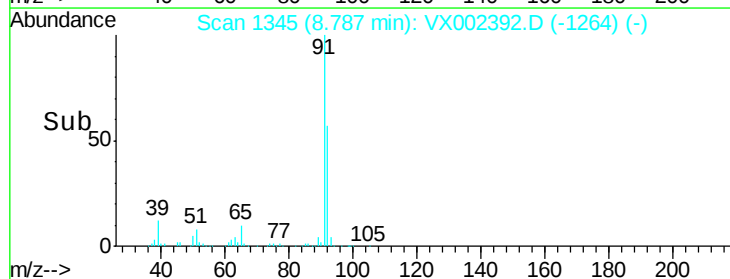
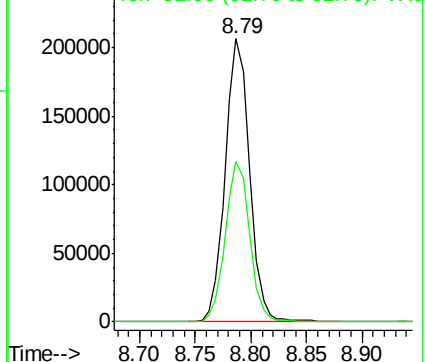
91 100

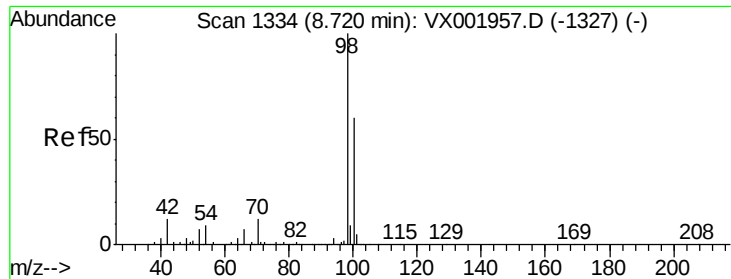
92 56.7 46.5 69.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 28.10 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX002392.D

Acq: 08 Jun 2018 09:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 98 Resp: 357657

Ion Ratio Lower Upper

98 100

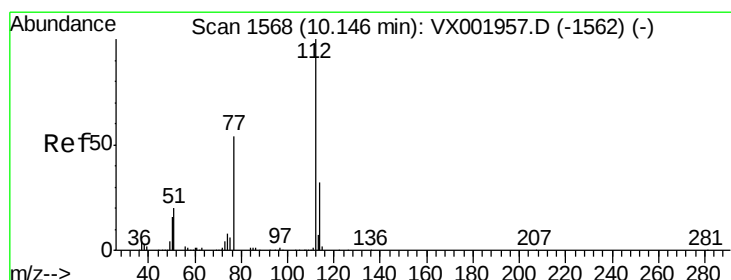
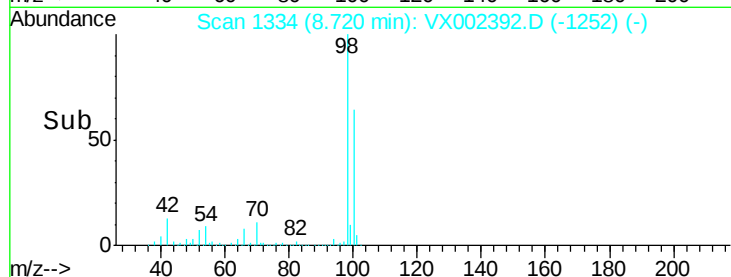
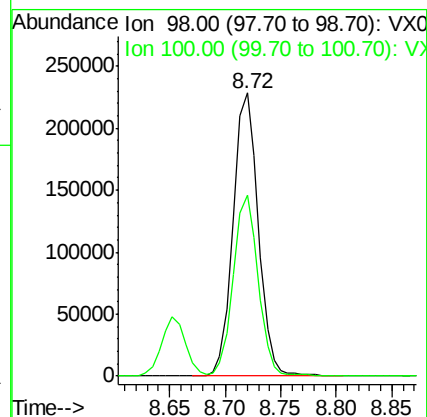
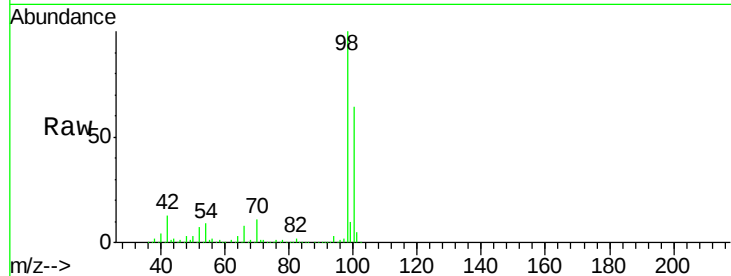
100 63.5 50.8 76.2

Manual Integrations

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6/11/2018 9:30:10 AM



#64

Chlorobenzene

Concen: 21.70 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX002392.D

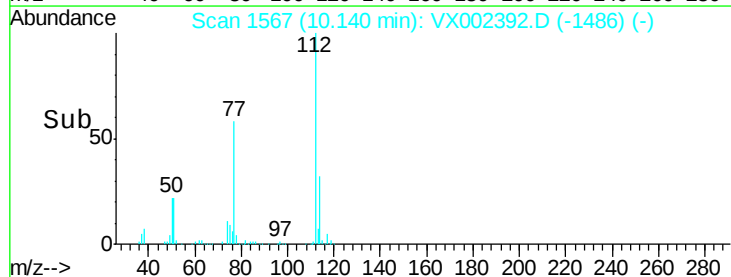
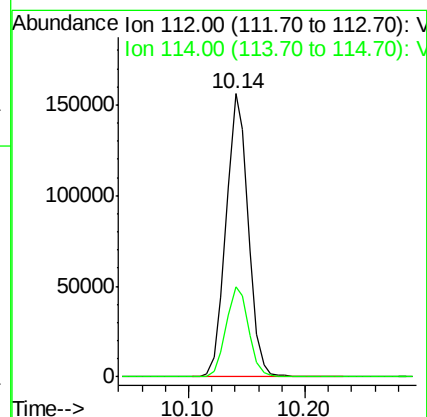
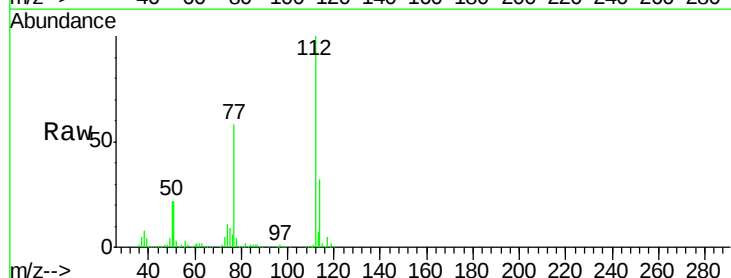
Acq: 08 Jun 2018 09:40

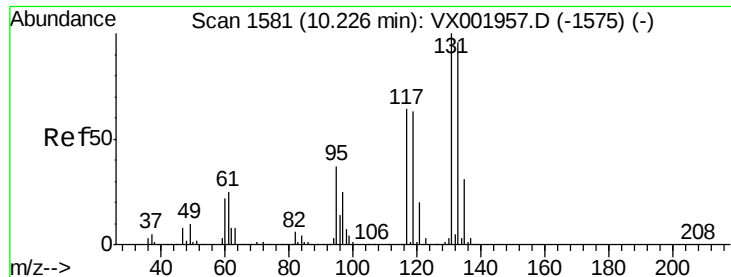
Tgt Ion: 112 Resp: 204906

Ion Ratio Lower Upper

112 100

114 31.8 25.6 38.4





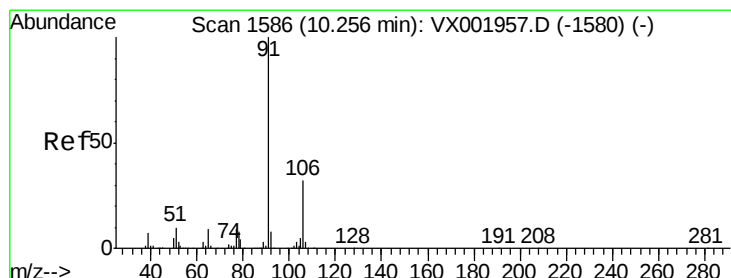
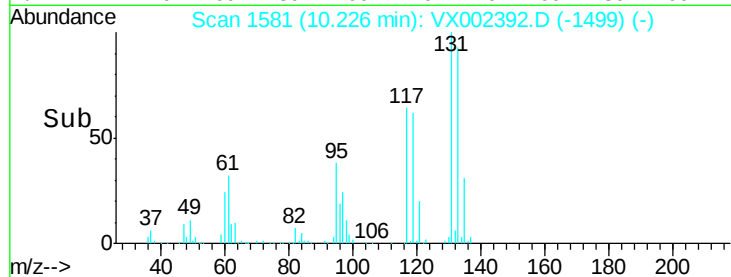
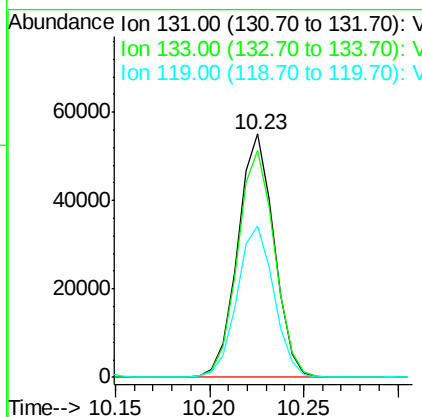
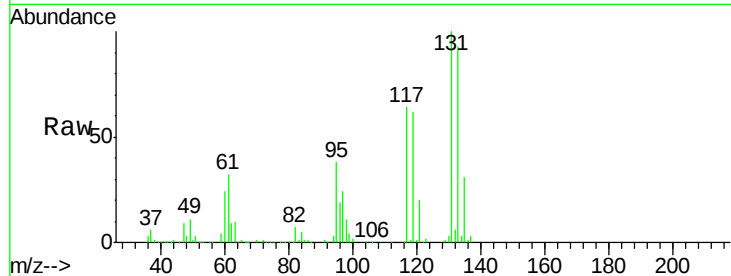
#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.12 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VX002392.D
 Acq: 08 Jun 2018 09:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	0.0	191.2
119	63.2	0.0	125.4

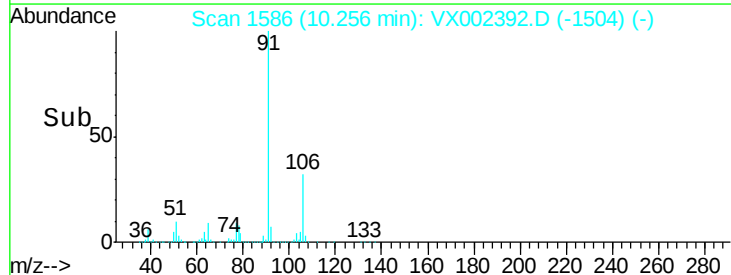
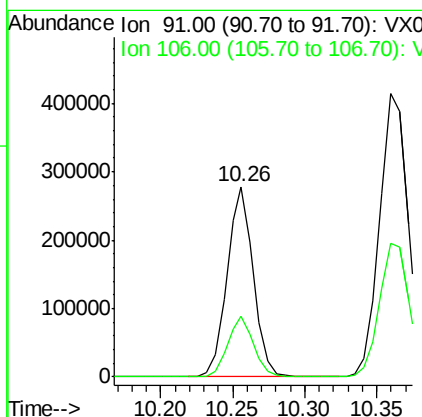
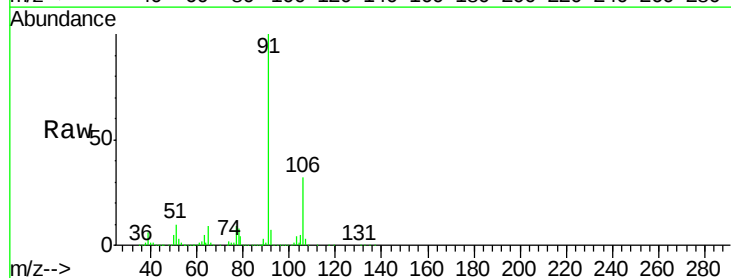
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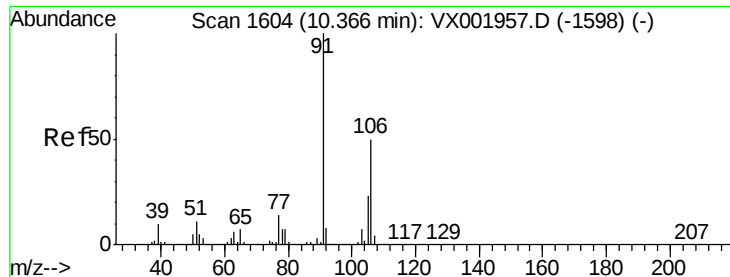
MMDadoda
 6/11/2018 9:30:10 AM



#66
 Ethyl Benzene
 Concen: 21.60 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VX002392.D
 Acq: 08 Jun 2018 09:40

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.2	37.8





#67

m/p-Xylenes

Concen: 44.33 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX002392.D

Acq: 08 Jun 2018 09:40

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tgt Ion:106 Resp: 275869

Ion Ratio Lower Upper

106 100

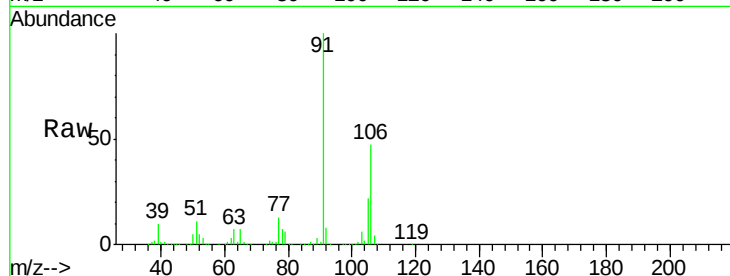
91 204.7 164.1 246.1

Manual Integrations

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MMDadoda

6/11/2018 9:30:10 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

400000

300000

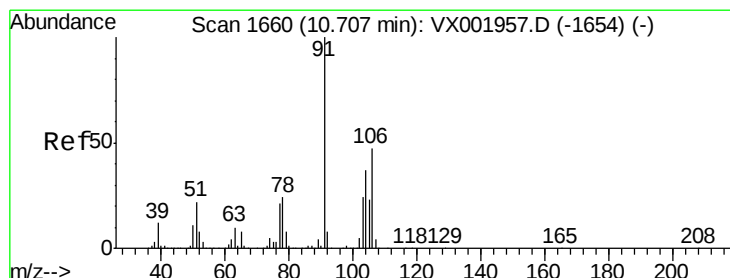
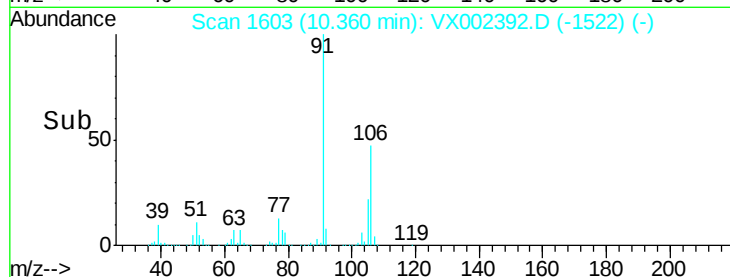
200000

100000

0

10.36

Time-->



#68

o-Xylene

Concen: 21.66 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VX002392.D

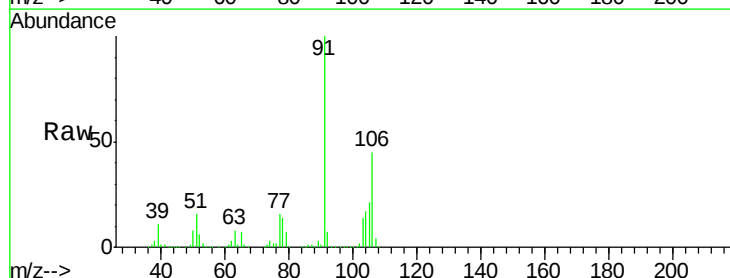
Acq: 08 Jun 2018 09:40

Tgt Ion:106 Resp: 135009

Ion Ratio Lower Upper

106 100

91 215.4 109.1 327.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

150000

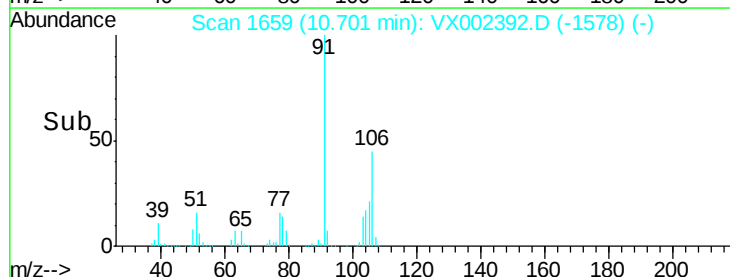
100000

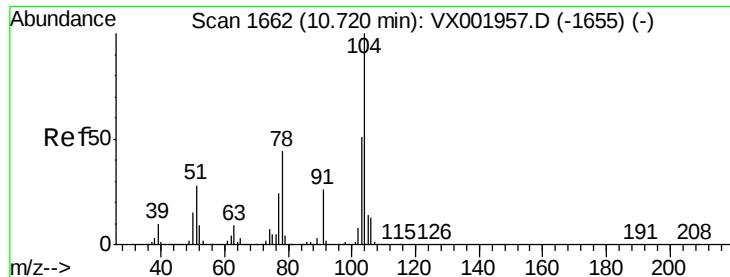
50000

0

10.70

Time-->





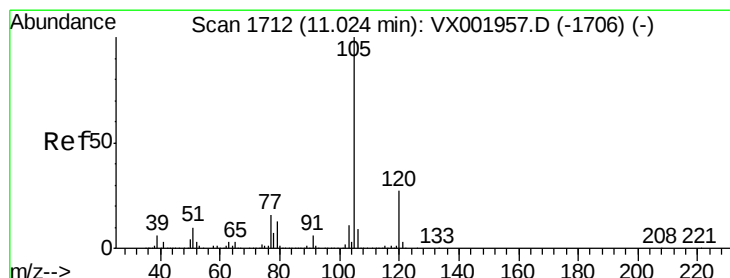
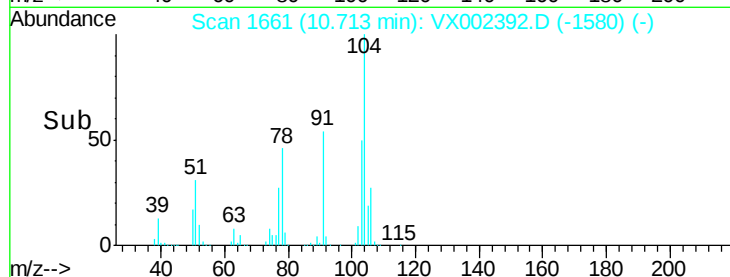
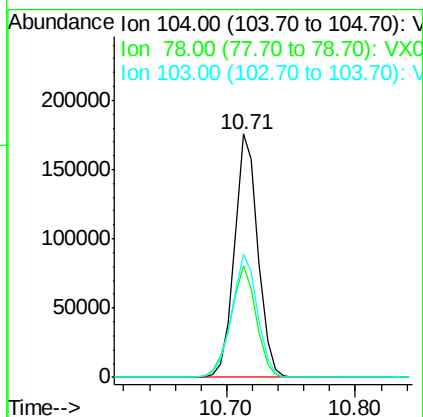
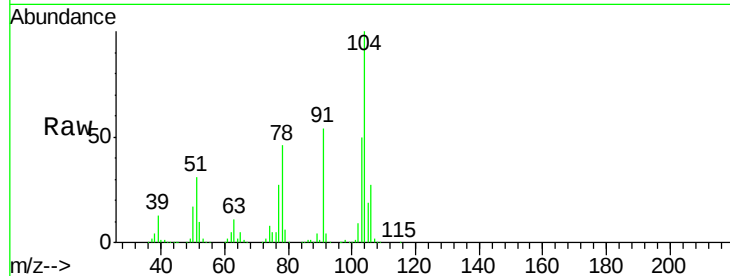
#69
Styrene
Concen: 21.33 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VX002392.D
Acq: 08 Jun 2018 09:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	223151		
78	50.4	41.8	62.8	
103	55.3	44.9	67.3	

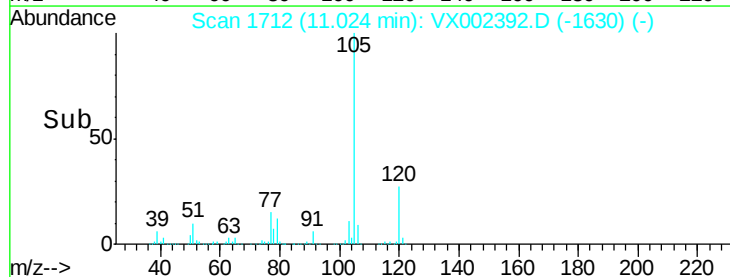
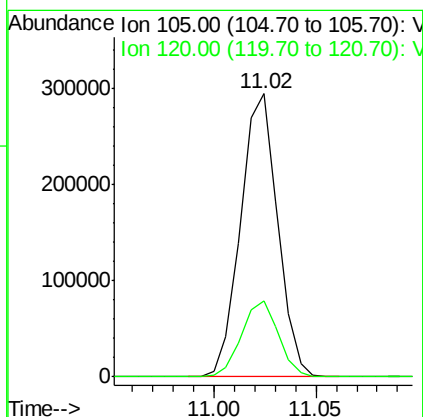
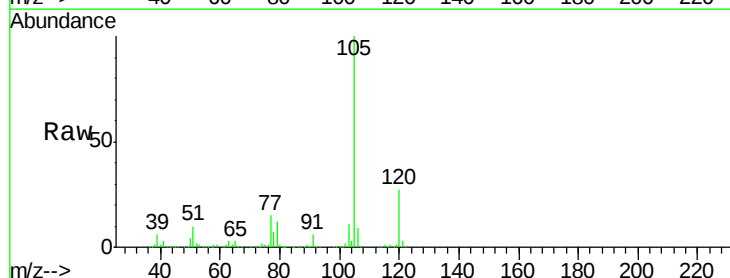
Manual Integrations
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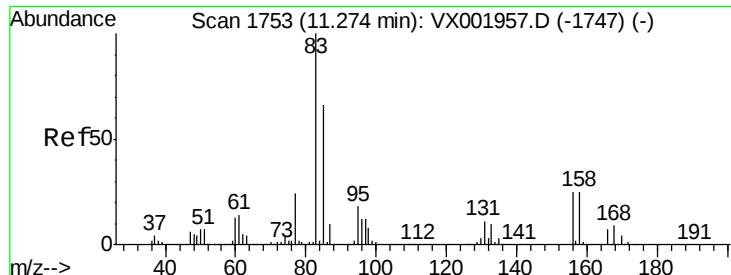
MMDadoda
6/11/2018 9:30:10 AM



#70
Isopropylbenzene
Concen: 22.29 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX002392.D
Acq: 08 Jun 2018 09:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	371964		
120	26.8	19.0	35.2	





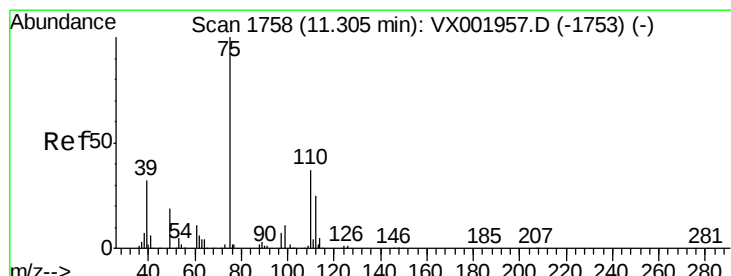
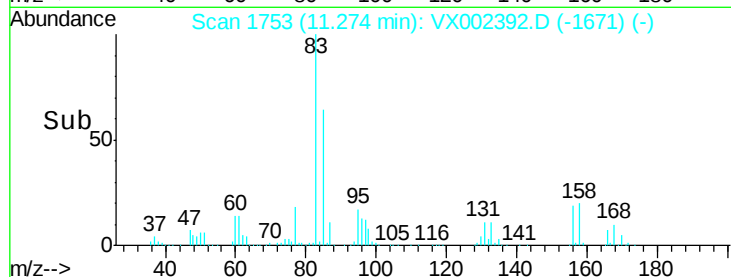
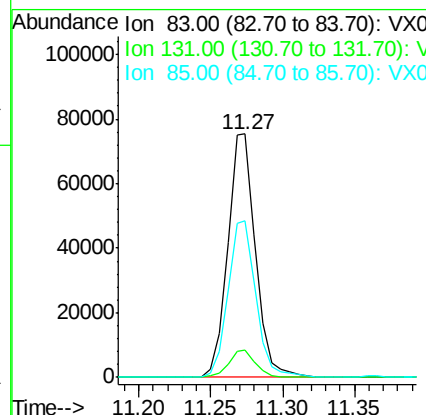
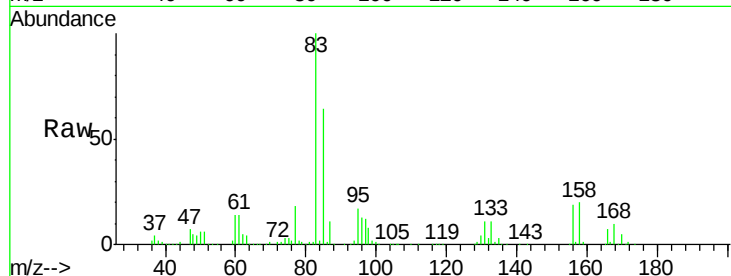
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.60 ug/l
 RT: 11.27 min Scan# 1753
 Delta R.T. -0.00 min
 Lab File: VX002392.D
 Acq: 08 Jun 2018 09:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.4	16.2
85	65.1	32.4	97.2

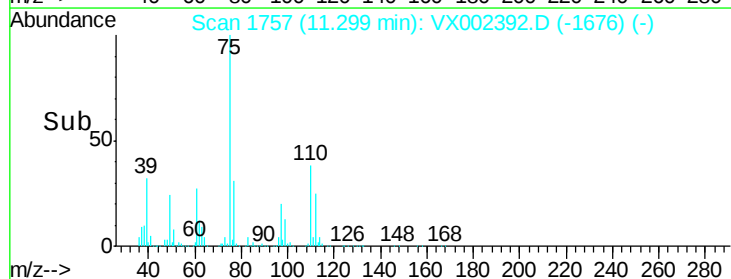
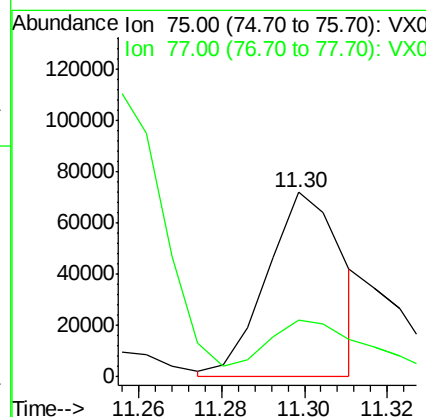
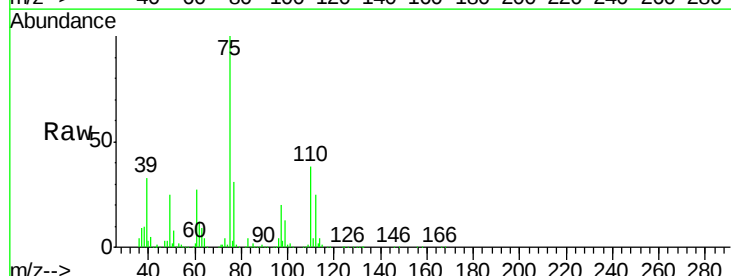
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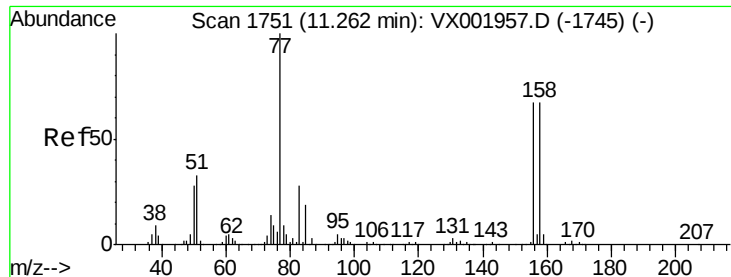
MMDadoda
 6/11/2018 9:30:10 AM



#72
 1,2,3-Trichloropropane
 Concen: 18.45 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VX002392.D
 Acq: 08 Jun 2018 09:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	42.0	0.0	71.8





#73

Bromobenzene

Concen: 21.35 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002392.D

Acq: 08 Jun 2018 09:40

Instrument :

MSVOA_X

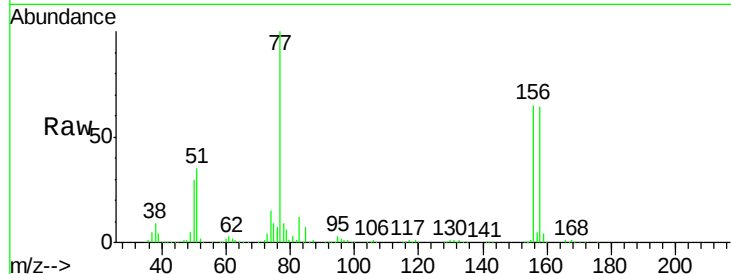
ClientSampleId :

VSTDCCC020

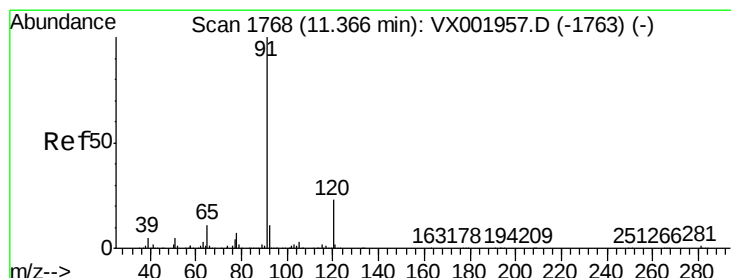
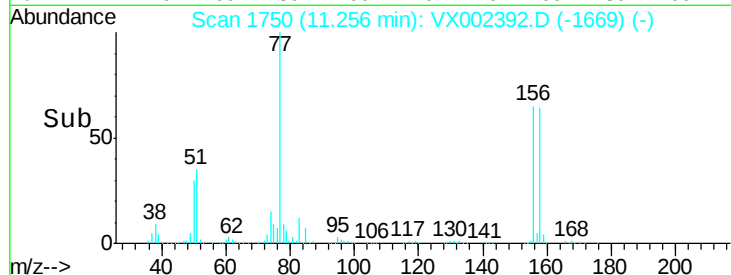
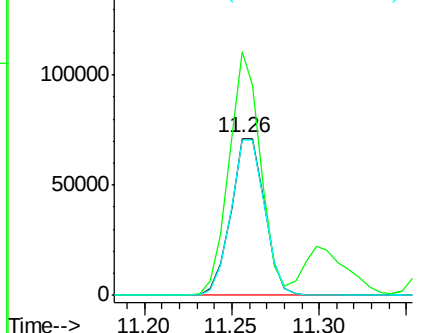
Tgt Ion:	156	Resp:	95706
Ion Ratio	Lower	Upper	
156	100		
77	143.7	0.0	301.0
158	99.0	0.0	196.2

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Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 23.10 ug/l

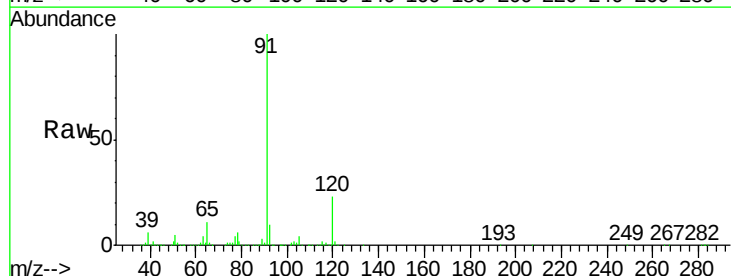
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

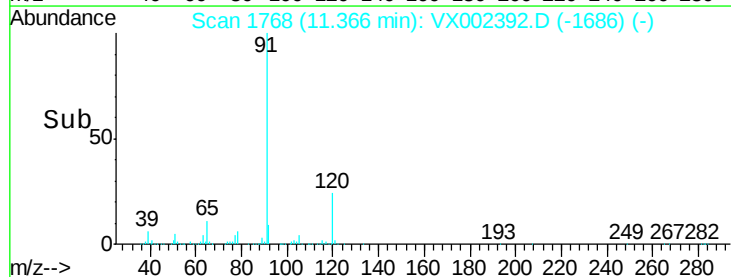
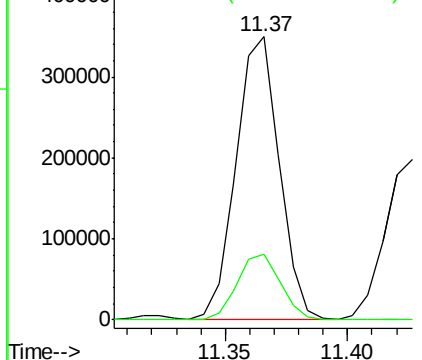
Lab File: VX002392.D

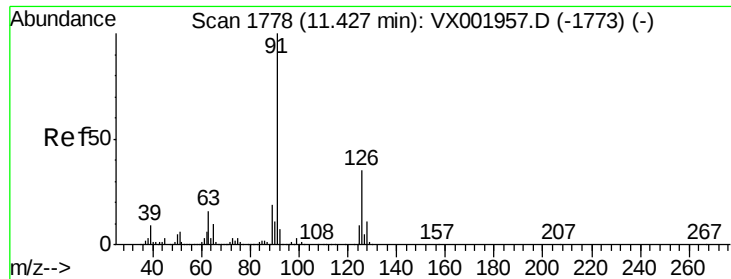
Acq: 08 Jun 2018 09:40

Tgt Ion:	91	Resp:	430278
Ion Ratio	Lower	Upper	
91	100		
120	23.4	0.0	46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 21.77 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002392.D

Acq: 08 Jun 2018 09:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 91 Resp: 250133

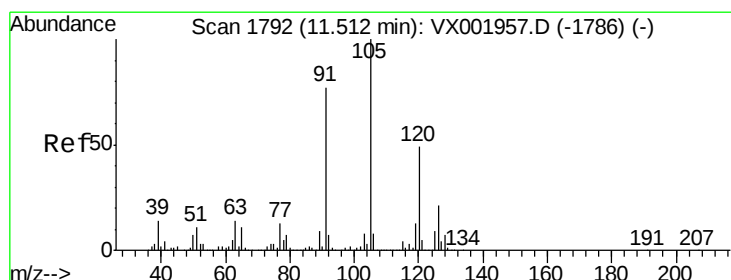
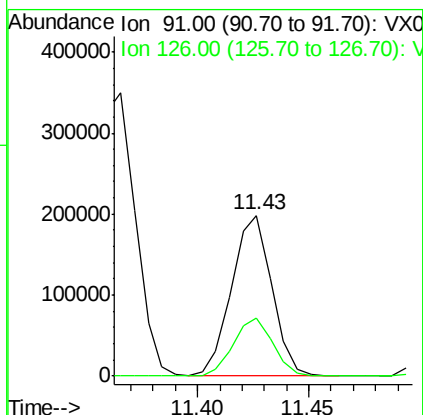
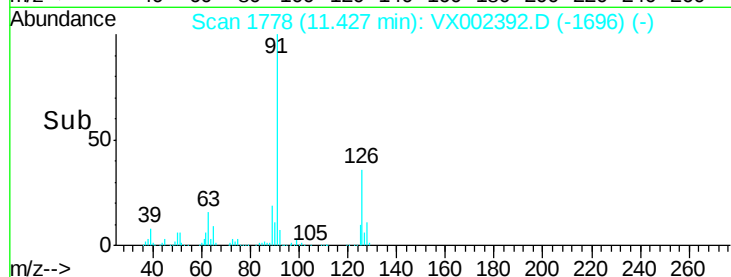
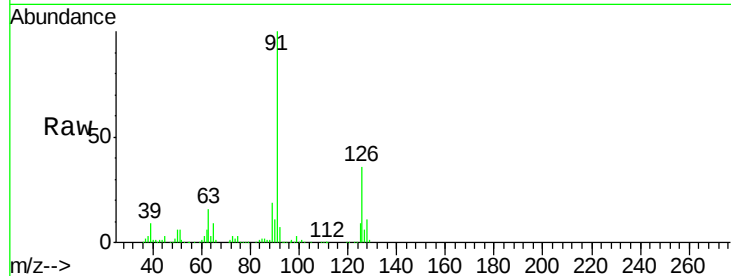
Ion Ratio Lower Upper

91 100

126 35.5 0.0 69.4

Manual Integrations
APPROVED

MMDadoda
6/11/2018 9:30:10 AM



#76

1,3,5-Trimethylbenzene

Concen: 22.29 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002392.D

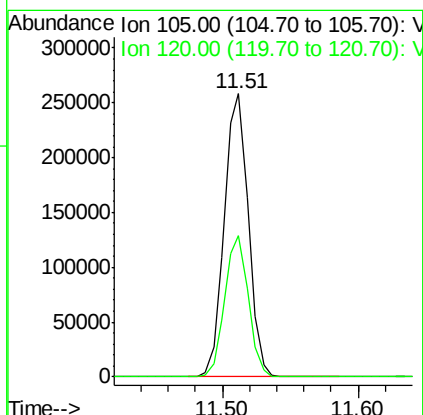
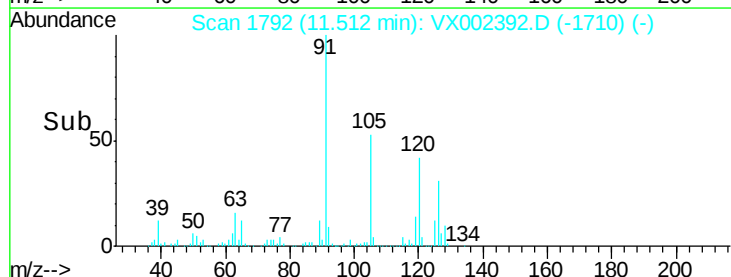
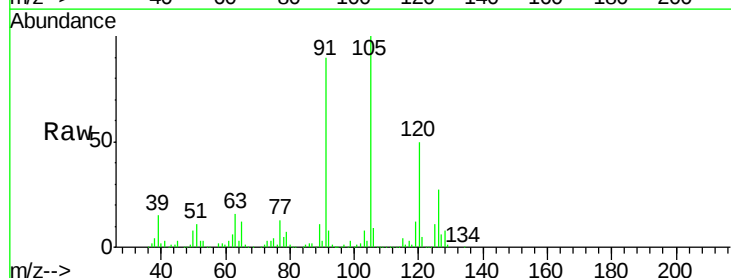
Acq: 08 Jun 2018 09:40

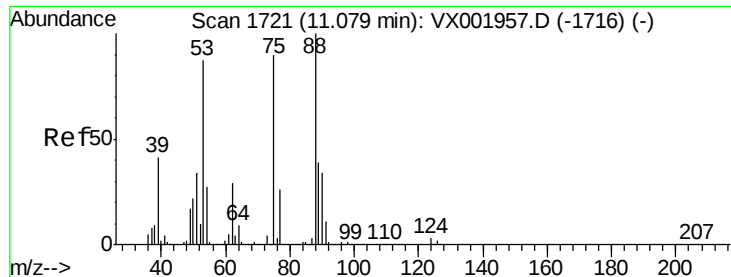
Tgt Ion: 105 Resp: 316179

Ion Ratio Lower Upper

105 100

120 49.0 0.0 96.8





#77

t-1,4-Dichloro-2-butene

Concen: 15.28 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002392.D

Acq: 08 Jun 2018 09:40

Instrument :

MSVOA_X

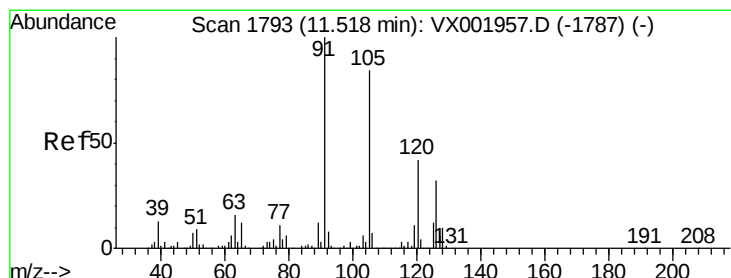
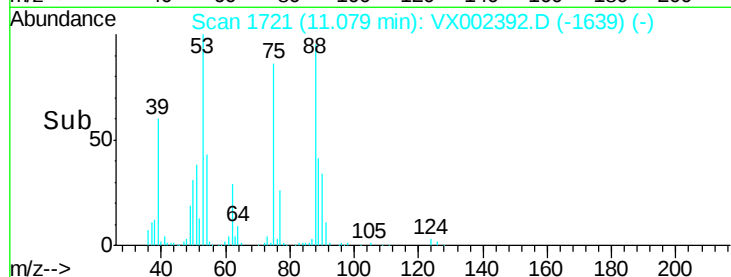
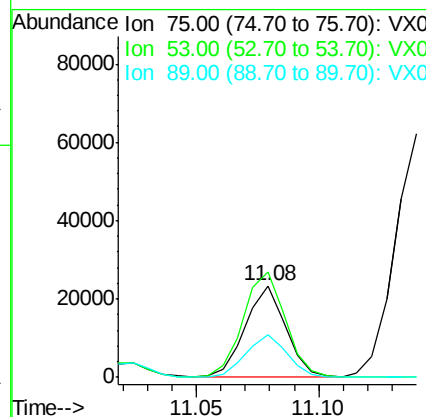
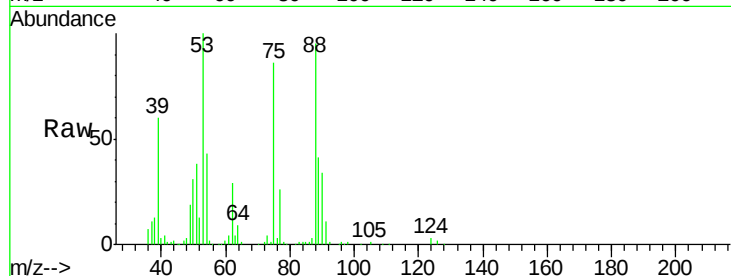
ClientSampleId :

VSTDCCC020

Tgt Ion:	75	Resp:	27274
Ion	Ratio	Lower	Upper
75	100		
53	115.8	48.3	144.9
89	47.0	21.8	65.4

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#78

4-Chlorotoluene

Concen: 22.27 ug/l

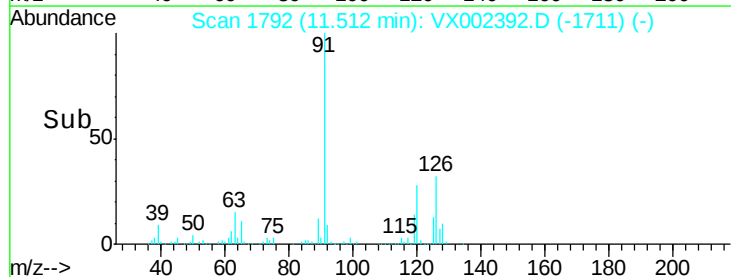
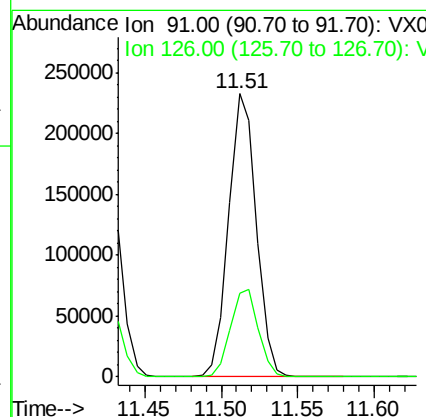
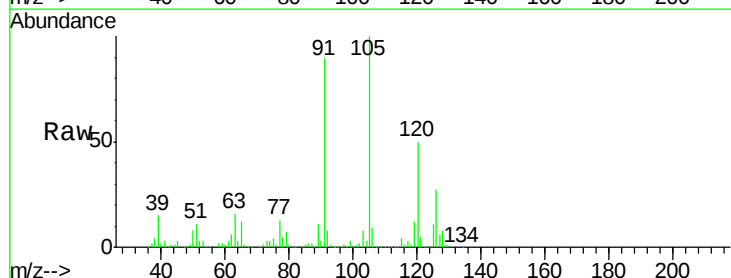
RT: 11.51 min Scan# 1792

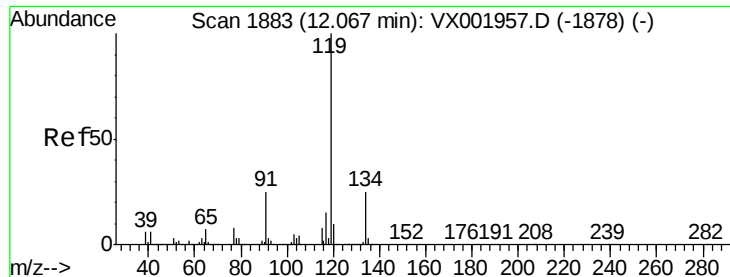
Delta R.T. -0.01 min

Lab File: VX002392.D

Acq: 08 Jun 2018 09:40

Tgt Ion:	91	Resp:	290982
Ion	Ratio	Lower	Upper
91	100		
126	31.0	0.0	61.0





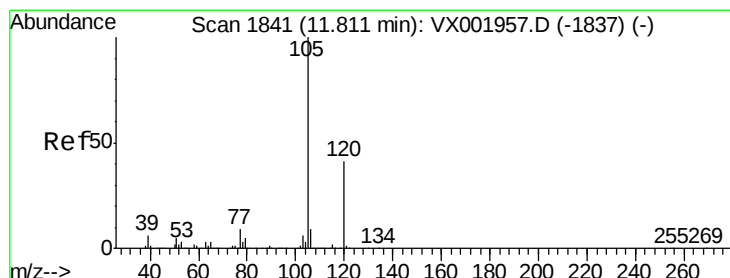
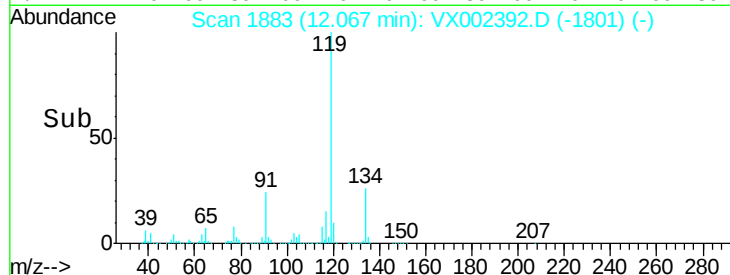
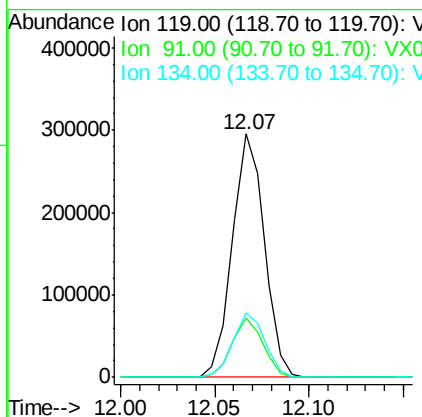
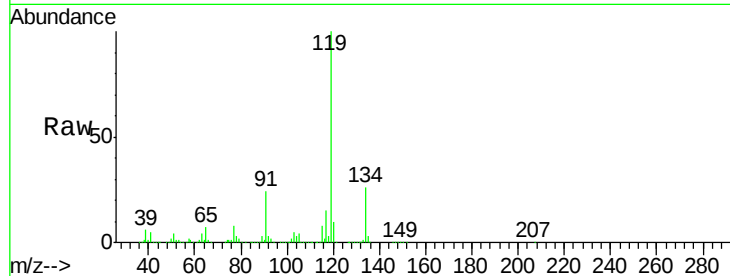
#79
tert-butylbenzene
Concen: 23.50 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX002392.D
Acq: 08 Jun 2018 09:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	349528		
91	23.9	0.0	48.0	
134	26.5	0.0	52.6	

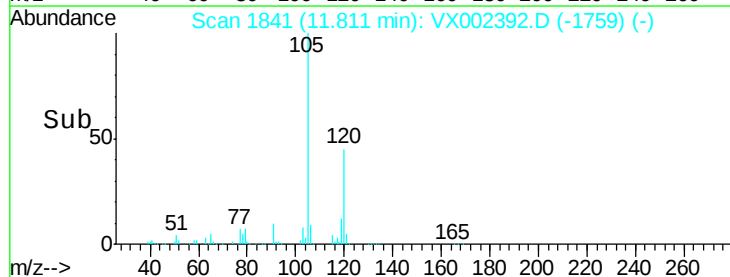
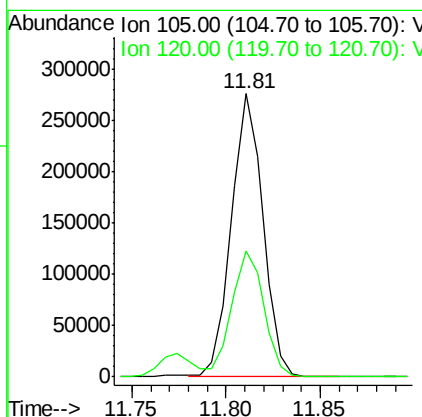
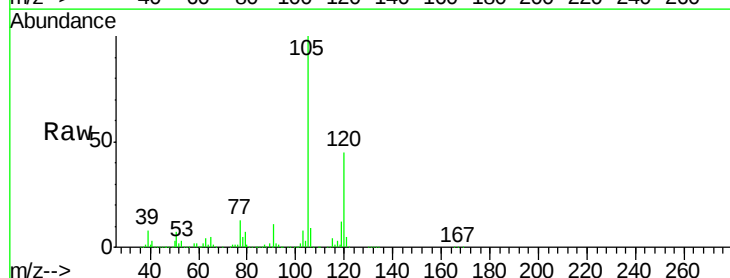
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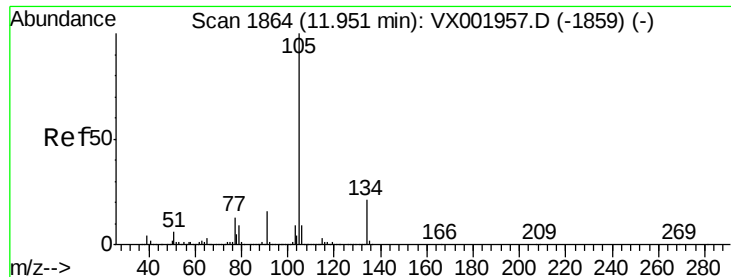
MMDadoda
6/11/2018 9:30:10 AM



#80
1,2,4-Trimethylbenzene
Concen: 22.49 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002392.D
Acq: 08 Jun 2018 09:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	322552		
120	45.5	0.0	89.2	





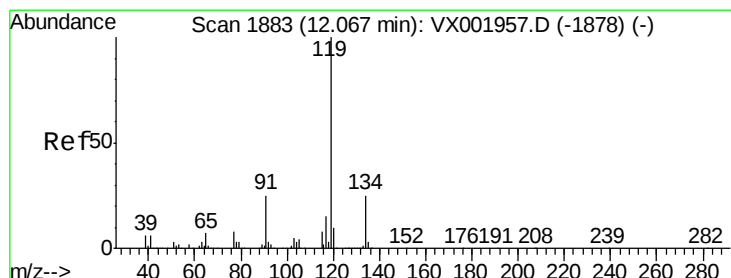
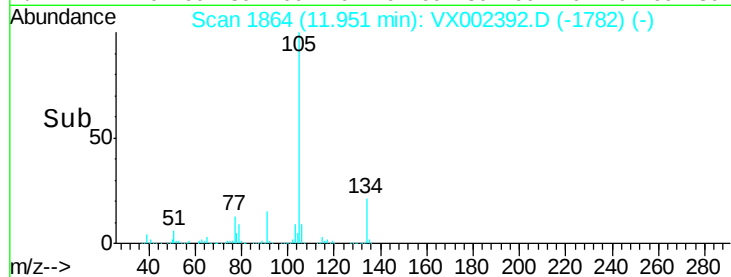
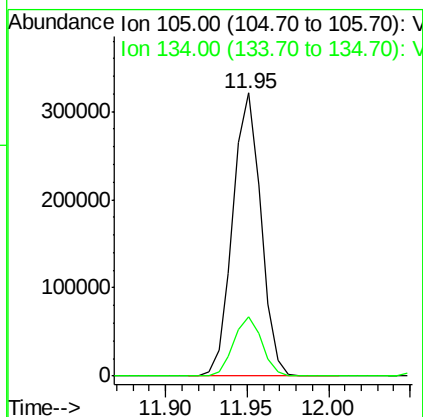
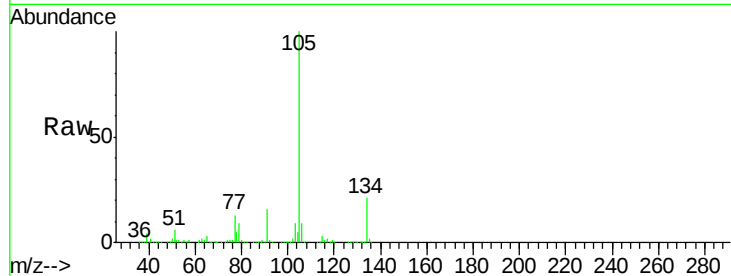
#81
 sec-Butylbenzene
 Concen: 23.28 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX002392.D
 Acq: 08 Jun 2018 09:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.0	0.0	41.6

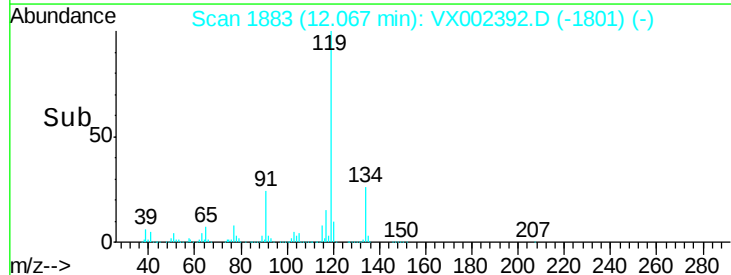
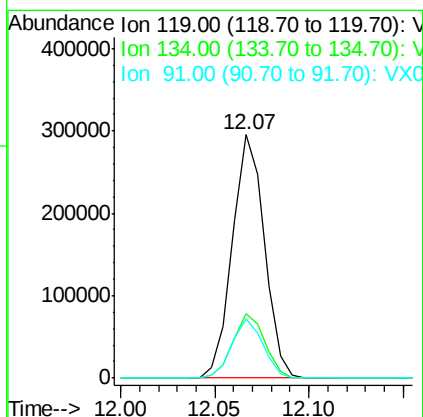
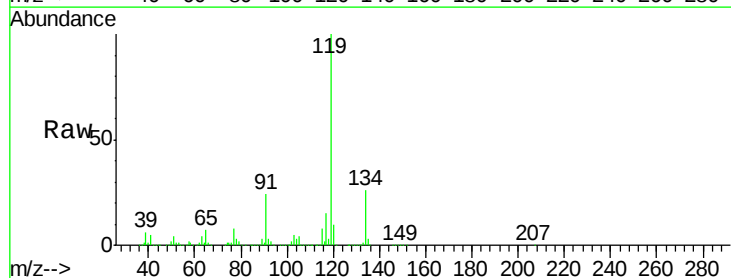
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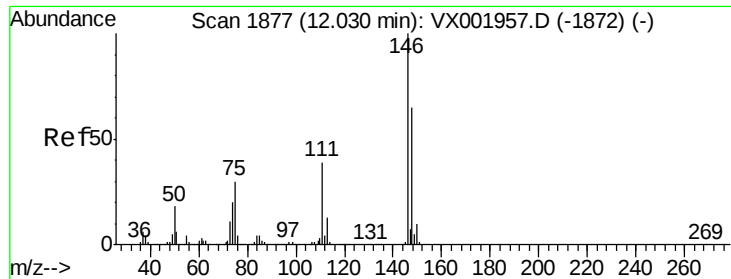
MMDadoda
 6/11/2018 9:30:10 AM



#82
 p-Isopropyltoluene
 Concen: 23.50 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX002392.D
 Acq: 08 Jun 2018 09:40

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	0.0	52.6
91	23.9	0.0	48.0





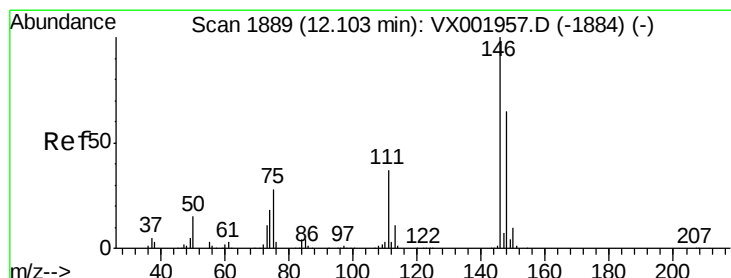
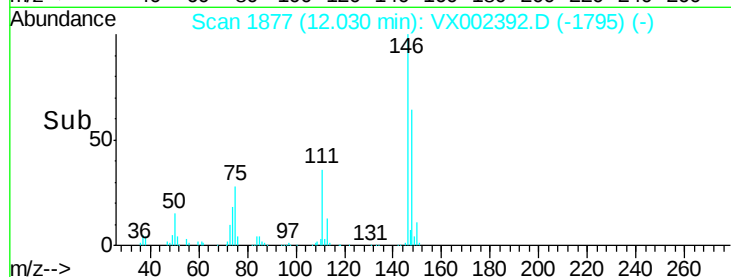
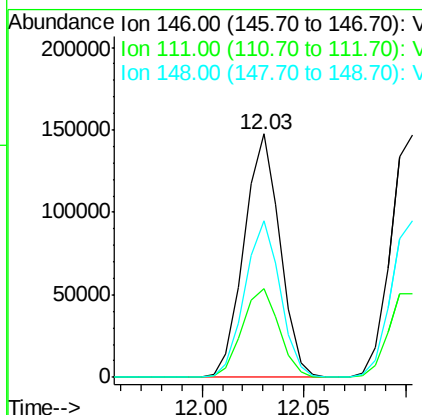
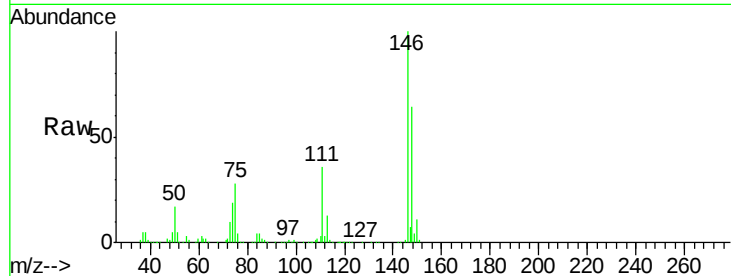
#83
 1,3-Dichlorobenzene
 Concen: 22.70 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002392.D
 Acq: 08 Jun 2018 09:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.5
148	63.8	31.9	95.7

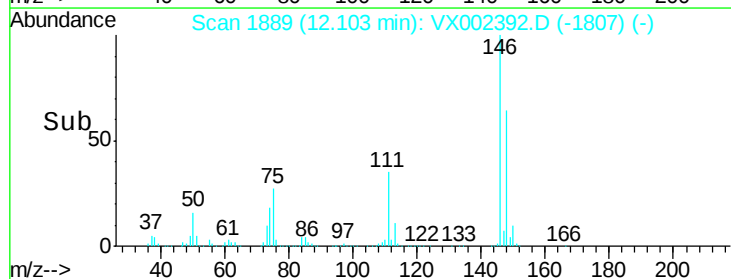
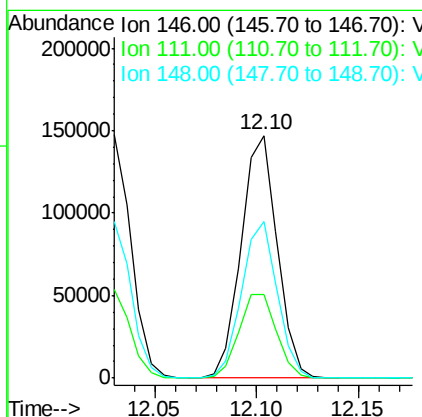
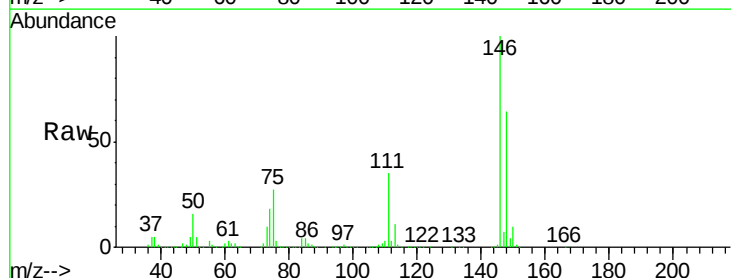
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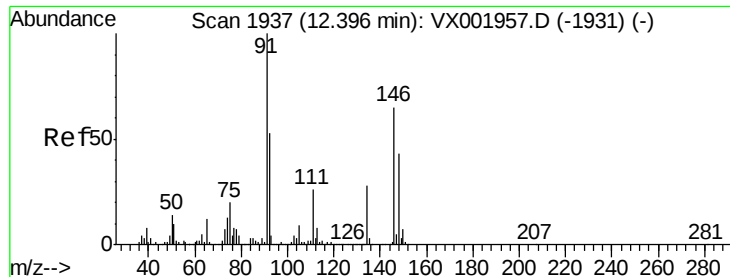
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 6/11/2018 9:30:10 AM



#84
 1,4-Dichlorobenzene
 Concen: 22.85 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002392.D
 Acq: 08 Jun 2018 09:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.5	55.5
148	64.1	32.0	96.0





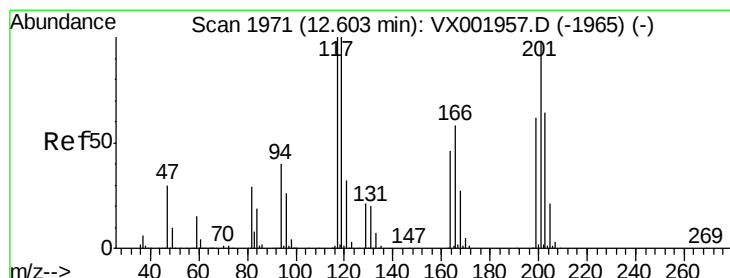
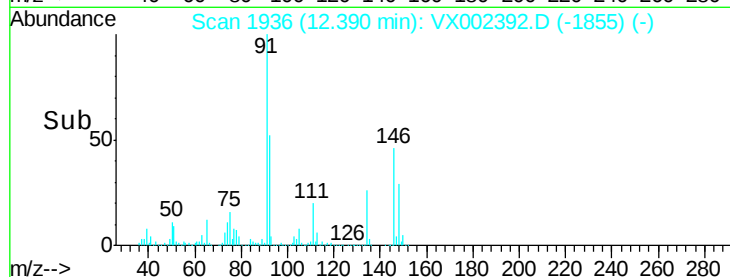
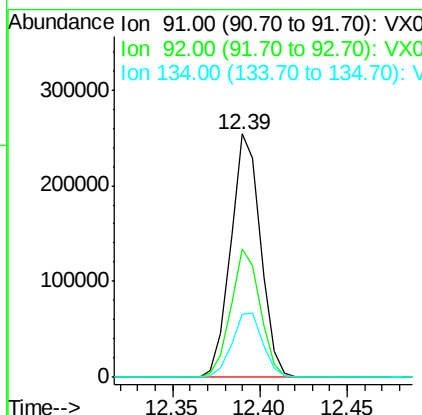
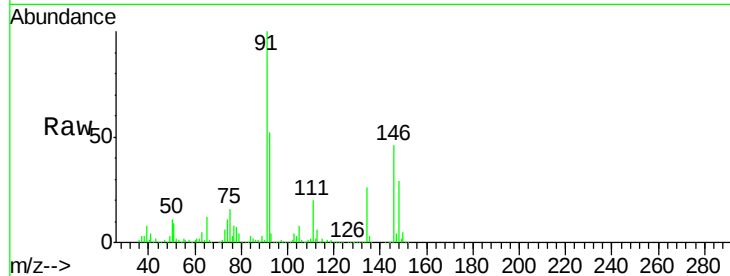
#85
n-Butylbenzene
Concen: 24.08 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VX002392.D
Acq: 08 Jun 2018 09:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 300460
Ion Ratio Lower Upper
91 100
92 51.8 0.0 105.2
134 27.2 0.0 53.2

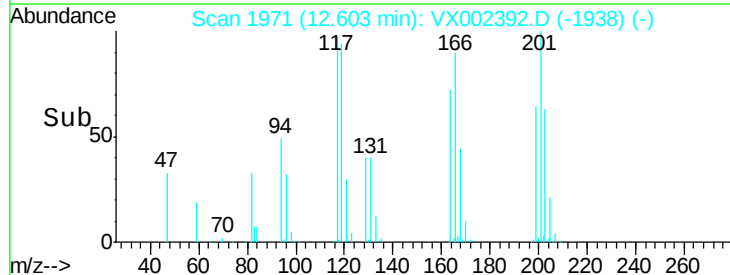
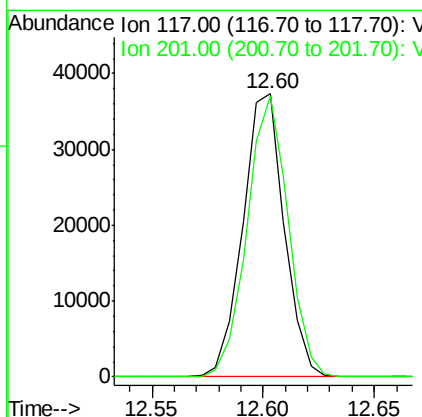
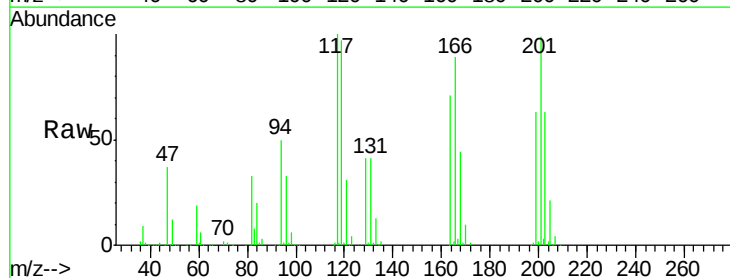
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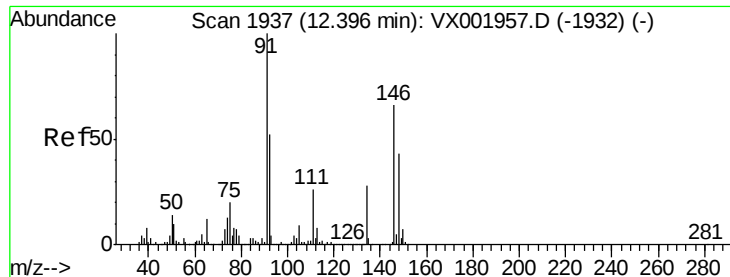
MMDadoda
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#86
Hexachloroethane
Concen: 16.34 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002392.D
Acq: 08 Jun 2018 09:40

Tgt Ion: 117 Resp: 48367
Ion Ratio Lower Upper
117 100
201 98.1 47.6 142.8





#87

1,2-Dichlorobenzene

Concen: 22.38 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002392.D

Acq: 08 Jun 2018 09:40

Instrument :

MSVOA_X

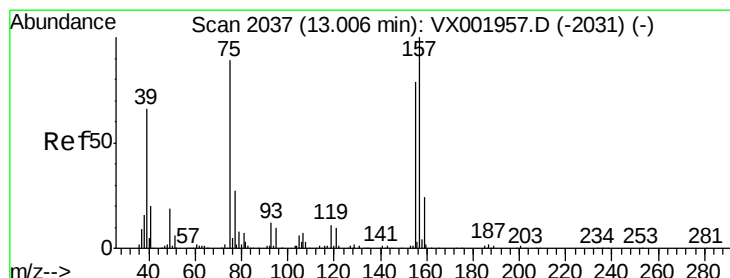
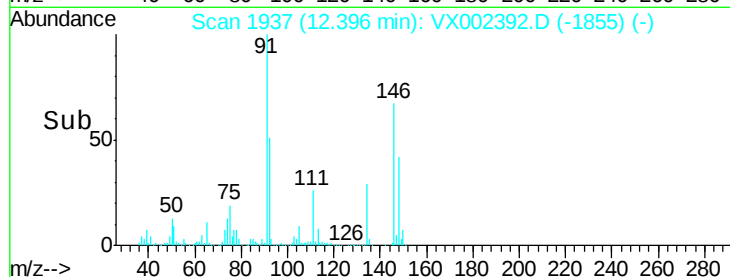
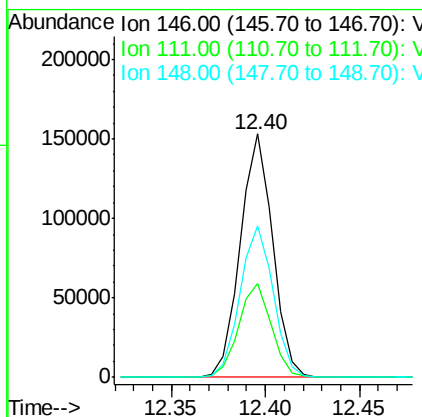
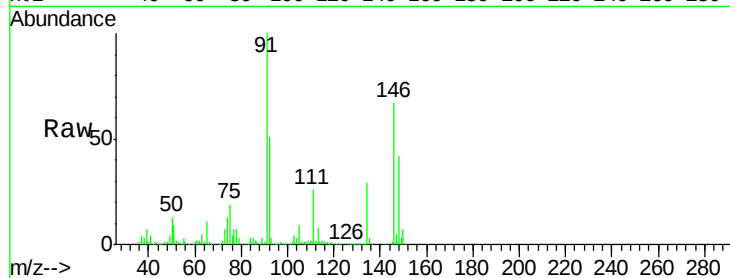
ClientSampleId :

VSTDCCC020

Tgt Ion:	146	Resp:	183054
Ion Ratio	Lower	Upper	
146	100		
111	38.8	20.0	59.9
148	63.5	32.8	98.3

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 14.12 ug/l

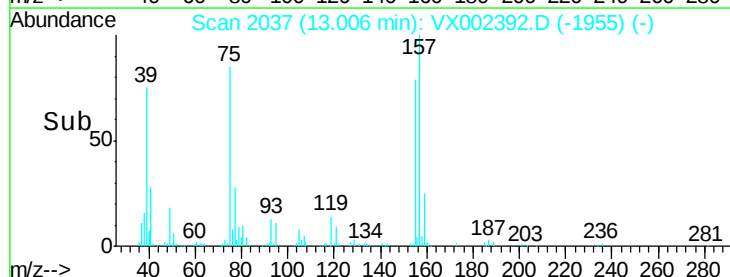
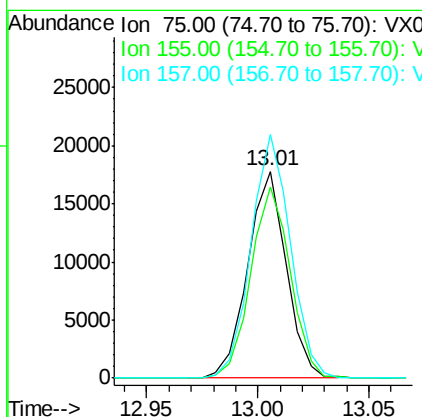
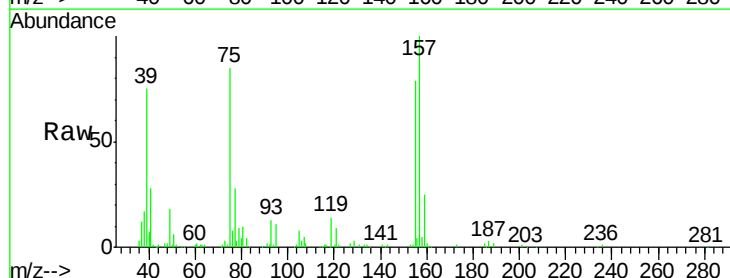
RT: 13.01 min Scan# 2037

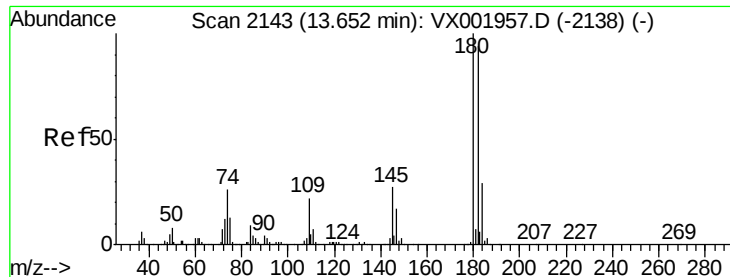
Delta R.T. -0.00 min

Lab File: VX002392.D

Acq: 08 Jun 2018 09:40

Tgt Ion:	75	Resp:	21502
Ion Ratio	Lower	Upper	
75	100		
155	94.5	73.1	109.7
157	120.2	93.1	139.7





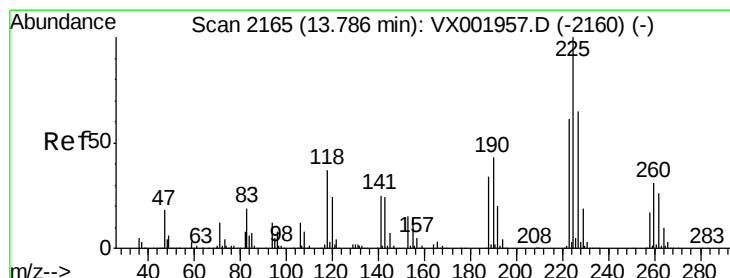
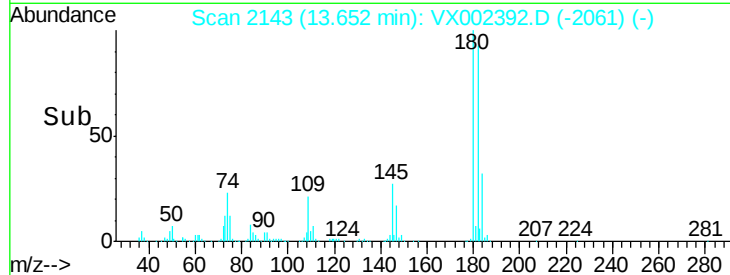
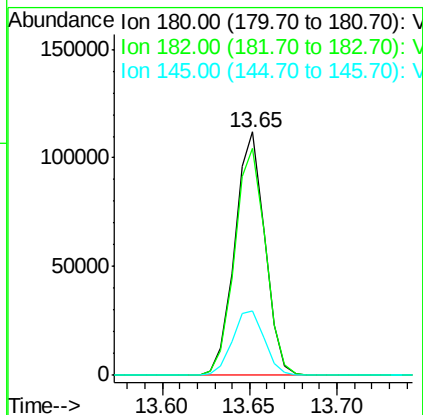
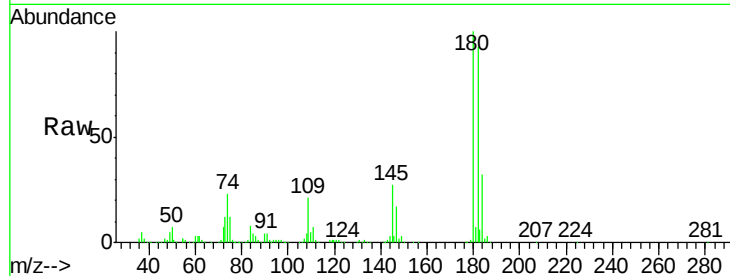
#89
 1,2,4-Trichlorobenzene
 Concen: 22.98 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002392.D
 Acq: 08 Jun 2018 09:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	133525		
182	95.6	76.4	114.6	
145	28.4	22.9	34.3	

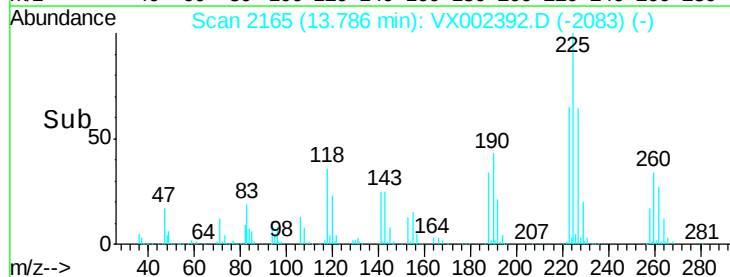
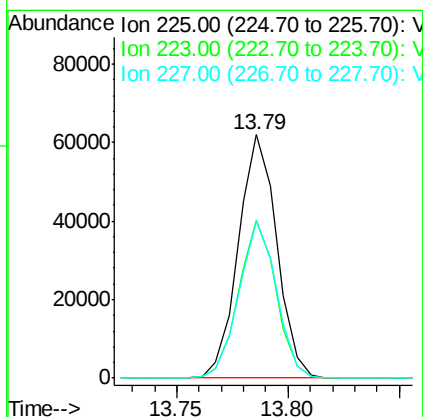
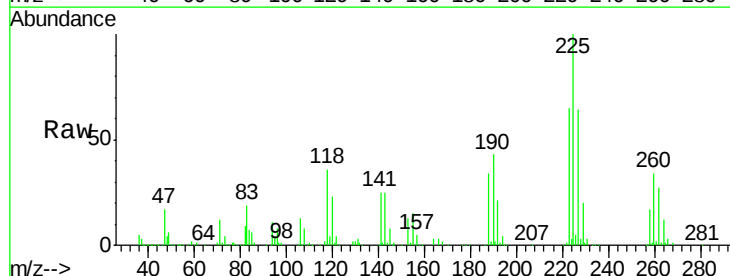
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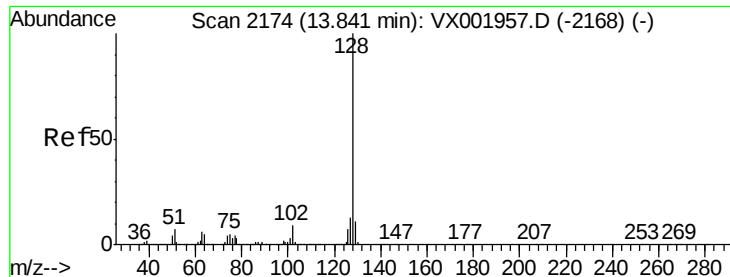
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 6/11/2018 9:30:10 AM



#90
 Hexachlorobutadiene
 Concen: 24.08 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002392.D
 Acq: 08 Jun 2018 09:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	74399		
223	63.0	0.0	122.4	
227	63.4	0.0	128.0	





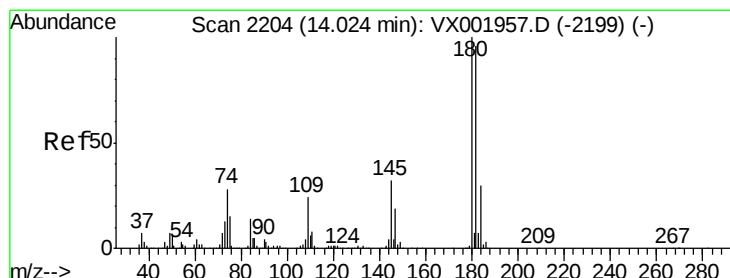
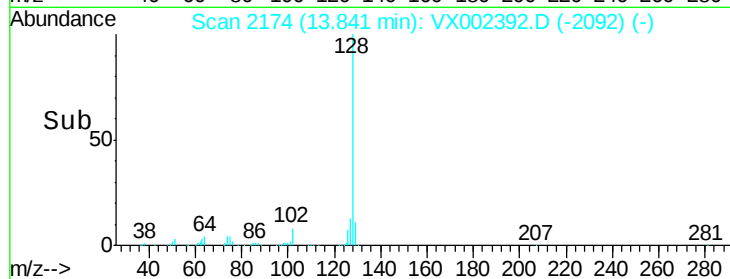
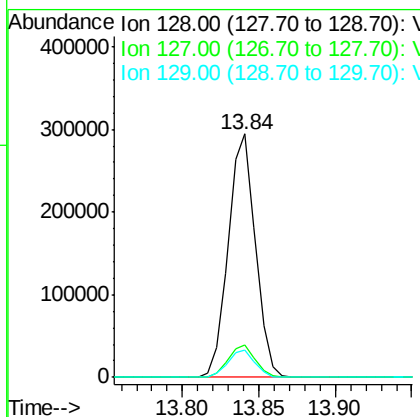
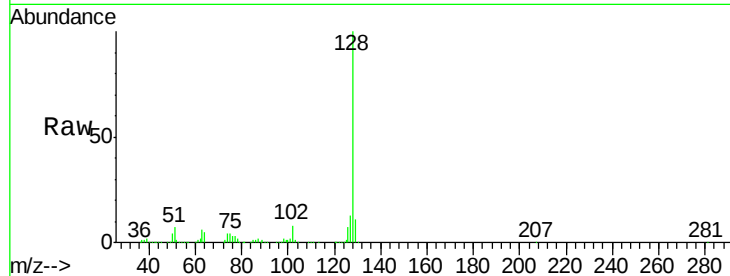
#91
Naphthalene
Concen: 19.69 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX002392.D
Acq: 08 Jun 2018 09:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	360899		
127	13.1	10.3	15.5	
129	11.1	8.9	13.3	

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#92
1,2,3-Trichlorobenzene
Concen: 22.45 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX002392.D
Acq: 08 Jun 2018 09:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	136218		
182	96.4	0.0	191.0	
145	30.2	0.0	60.6	

