

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052718\
 Data File : VX002064.D
 Acq On : 27 May 2018 13:19
 Operator : JC/MD
 Sample : VX0527WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/30/2018 1:50:35 PM

Quant Time: May 29 07:34:36 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	240157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	333741	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	311306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	203988	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	204196	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
35) Dibromofluoromethane	5.51	113	156011	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
50) Toluene-d8	8.72	98	579371	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
62) 4-Bromofluorobenzene	11.14	95	221996	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	57943	17.98	ug/l	97
3) Chloromethane	1.32	50	89338	24.18	ug/l	99
4) Vinyl Chloride	1.40	62	72263	20.25	ug/l	99
5) Bromomethane	1.64	94	38631	23.00	ug/l	97
6) Chloroethane	1.73	64	46033	21.89	ug/l	97
7) Trichlorofluoromethane	1.93	101	116000	21.65	ug/l	99
8) Diethyl Ether	2.19	74	45235	23.27	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	65910	22.04	ug/l	97
10) Methyl Iodide	2.51	142	67121	16.59	ug/l	98
11) Tert butyl alcohol	3.07	59	99190	117.71	ug/l	98
12) 1,1-Dichloroethene	2.38	96	59467	21.24	ug/l	100
13) Acrolein	2.29	56	25801	70.82	ug/l	95
14) Allyl chloride	2.73	41	131062	22.31	ug/l	98
15) Acrylonitrile	3.15	53	199367	115.05	ug/l	100
16) Acetone	2.45	43	197364	119.13	ug/l	99
17) Carbon Disulfide	2.57	76	153943	19.11	ug/l	99
18) Methyl Acetate	2.78	43	104310	25.58	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	241966	22.98	ug/l	98
20) Methylene Chloride	2.86	84	78190	26.47	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	62964	22.23	ug/l	95
22) Diisopropyl ether	3.87	45	240464	20.12	ug/l	96
23) Vinyl Acetate	3.82	43	1061254	107.10	ug/l	98
24) 1,1-Dichloroethane	3.70	63	123125	21.69	ug/l	99
25) 2-Butanone	4.71	43	293296	96.59	ug/l	100
26) 2,2-Dichloropropane	4.59	77	107081	18.63	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	71352	19.55	ug/l	84
28) Bromochloromethane	5.03	49	53676	21.33	ug/l	99
29) Tetrahydrofuran	5.17	42	187306	94.81	ug/l	99
30) Chloroform	5.22	83	123646	19.33	ug/l	97
31) Cyclohexane	5.58	56	108782	18.39	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	112264	18.83	ug/l	99
36) 1,1-Dichloropropene	5.80	75	86007	18.53	ug/l	98
37) Ethyl Acetate	4.86	43	113733	18.79	ug/l	100
38) Carbon Tetrachloride	5.79	117	98590	18.21	ug/l	97

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 Misc : 5.0mL/MSVOA X/WATER
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Instrument :
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Manual Integrations
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Quant Time: May 29 07:34:36 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	107776	18.90	ug/l	96
40) Benzene	6.15	78	269609	19.82	ug/l	100
41) Methacrylonitrile	5.06	41	65016	19.53	ug/l	98
42) 1,2-Dichloroethane	6.20	62	105754	19.47	ug/l	99
43) Isopropyl Acetate	6.47	43	194144	19.25	ug/l	99
44) Trichloroethene	7.22	130	77381	19.52	ug/l	100
45) 1,2-Dichloropropane	7.52	63	74593	20.20	ug/l	97
46) Dibromomethane	7.67	93	50154	20.51	ug/l	98
47) Bromodichloromethane	7.90	83	96077	18.43	ug/l	99
48) Methyl methacrylate	7.78	41	99427	19.37	ug/l	99
49) 1,4-Dioxane	7.76	88	36746	406.29	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	609505	100.27	ug/l	99
52) Toluene	8.79	92	171333	19.80	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	115706	19.27	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	109449	18.70	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	71861	19.87	ug/l	99
56) Ethyl methacrylate	9.18	69	119099	19.15	ug/l	98
57) 1,3-Dichloropropane	9.38	76	121695	20.43	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	293669	106.54	ug/l	100
59) 2-Hexanone	9.50	43	470506	100.38	ug/l	99
60) Dibromochloromethane	9.59	129	79939	18.67	ug/l	99
61) 1,2-Dibromoethane	9.68	107	76020	20.04	ug/l	100
64) Tetrachloroethene	9.34	164	86505	19.38	ug/l	99
65) Chlorobenzene	10.14	112	194649	19.74	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	75025	18.84	ug/l	100
67) Ethyl Benzene	10.26	91	330920	19.31	ug/l	99
68) m/p-Xylenes	10.36	106	253864	38.75	ug/l	100
69) o-Xylene	10.70	106	126817	19.39	ug/l	100
70) Styrene	10.72	104	211544	19.50	ug/l	99
71) Bromoform	10.86	173	63095	16.71	ug/l	98
73) Isopropylbenzene	11.02	105	339748	19.67	ug/l	100
74) N-amyl acetate	6.47	43	194144	19.76	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	104704	21.44	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	95780m	19.55	ug/l	
77) Bromobenzene	11.26	156	90558	19.76	ug/l	97
78) n-propylbenzene	11.37	91	378492	19.56	ug/l	100
79) 2-Chlorotoluene	11.43	91	231346	20.44	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	286713	19.42	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	34213	16.78	ug/l	92
82) 4-Chlorotoluene	11.51	91	264742	19.40	ug/l	100
83) tert-Butylbenzene	11.77	119	280047	19.33	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	294064	19.28	ug/l	99
85) sec-Butylbenzene	11.95	105	335897	19.29	ug/l	99
86) p-Isopropyltoluene	12.07	119	300963	19.31	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	162246	19.77	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	162544	19.81	ug/l	100
89) n-Butylbenzene	12.39	91	252833	19.15	ug/l	99
90) Hexachloroethane	12.60	117	51897	16.88	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	167318	20.01	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	25847	16.83	ug/l	97

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VX0527WBSD01

Manual Integrations
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5/30/2018 1:50:35 PM

Quant Time: May 29 07:34:36 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	116850	19.54	ug/l	99
94) Hexachlorobutadiene	13.79	225	62447	19.41	ug/l	100
95) Naphthalene	13.84	128	364988	19.81	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	121666	19.66	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBSD01

Tot Ion:168 Resp: 240157

Ion Ratio Lower Upper

168 100

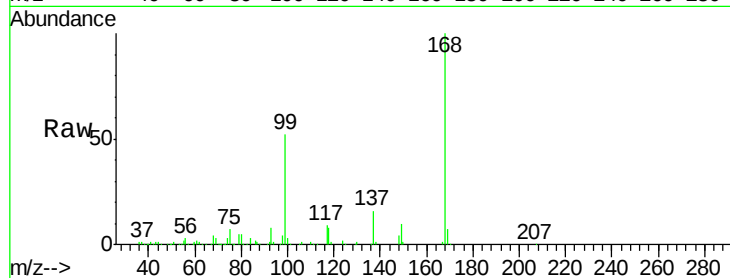
99 52.4 41.0 61.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

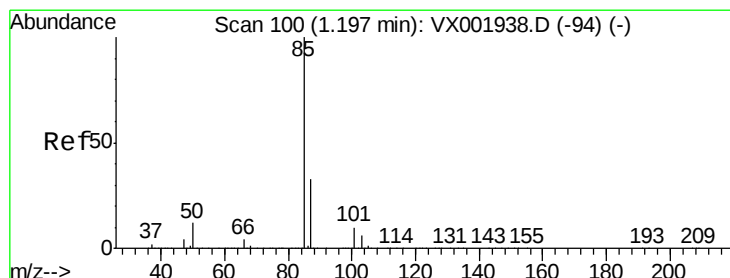
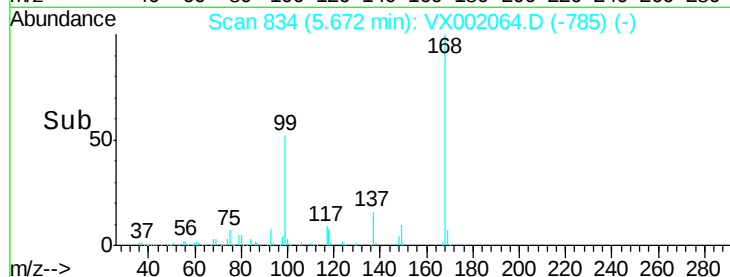
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.98 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002064.D

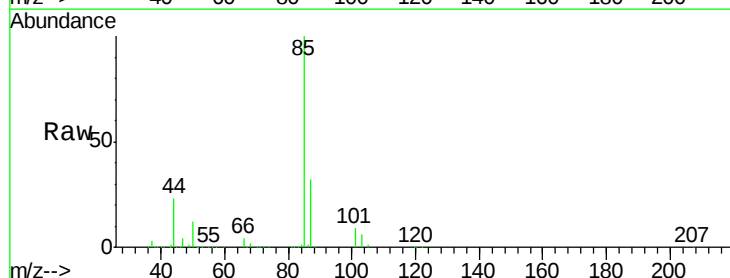
Acq: 27 May 2018 13:19

Tgt Ion: 85 Resp: 57943

Ion Ratio Lower Upper

85 100

87 31.8 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

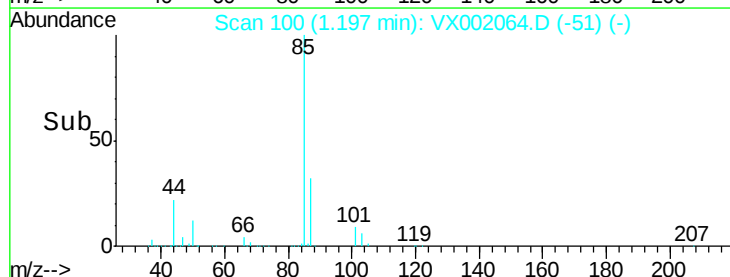
40000

20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 24.18 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBSD01

Tot Ion: 50 Resp: 89338

Ion Ratio Lower Upper

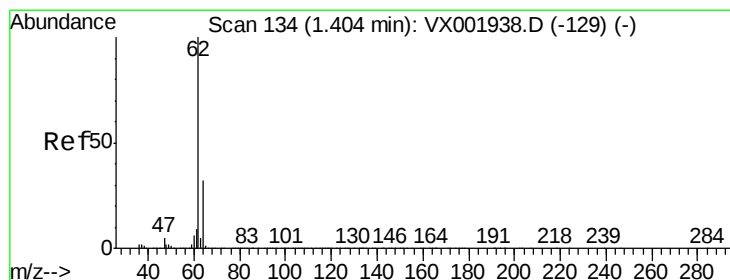
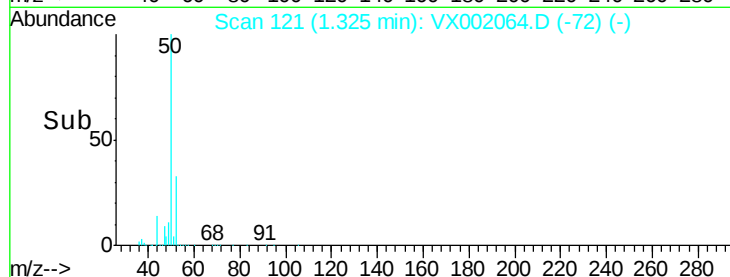
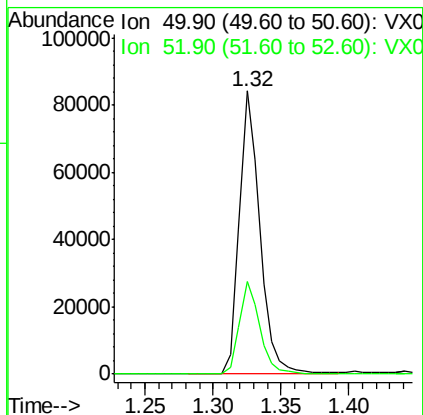
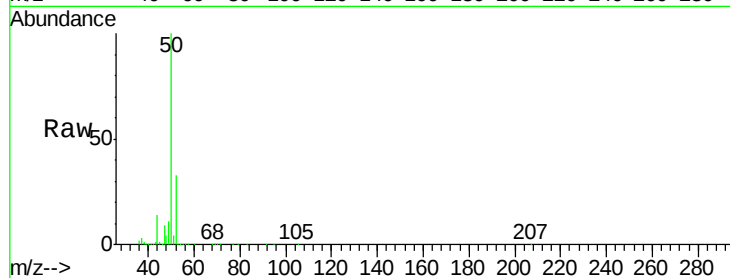
50 100

52 32.9 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.25 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002064.D

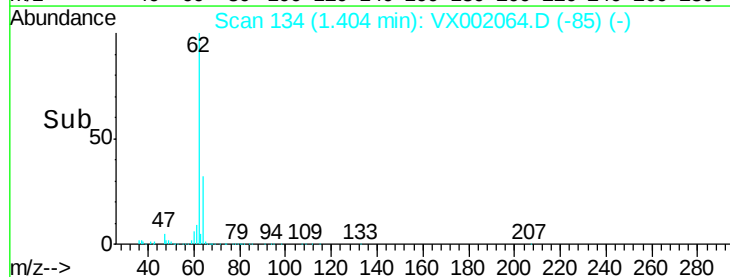
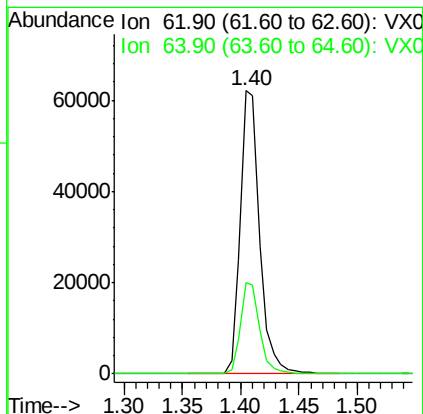
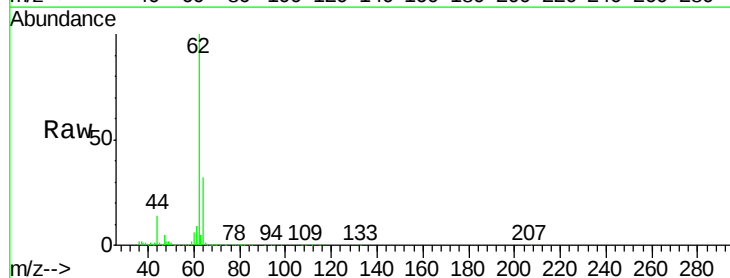
Acq: 27 May 2018 13:19

Tgt Ion: 62 Resp: 72263

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.0





#5

Bromomethane

Concen: 23.00 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBSD01

Tot Ion: 94 Resp: 38631

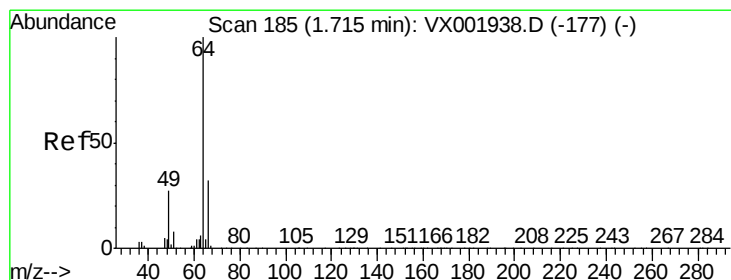
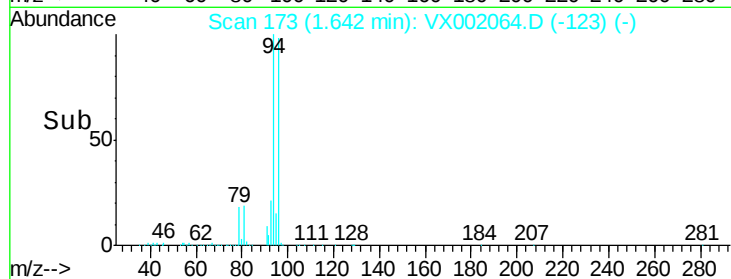
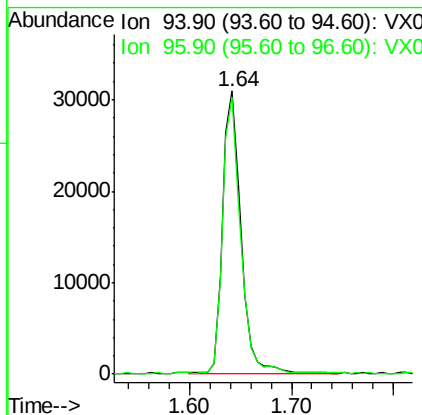
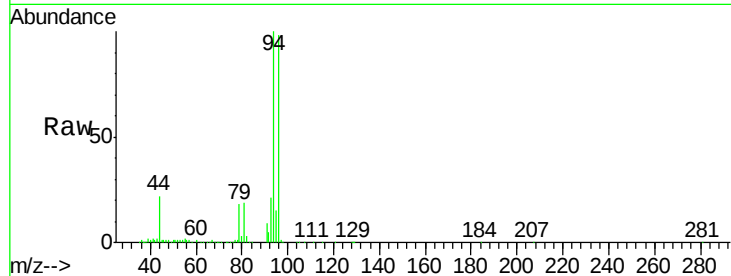
Ion Ratio Lower Upper

94 100

96 97.7 75.9 113.9

Manual Integrations
APPROVED

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#6

Chloroethane

Concen: 21.89 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002064.D

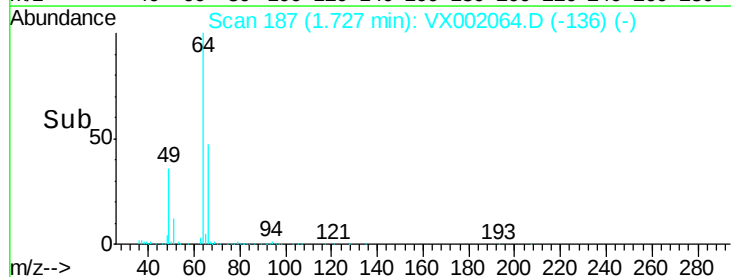
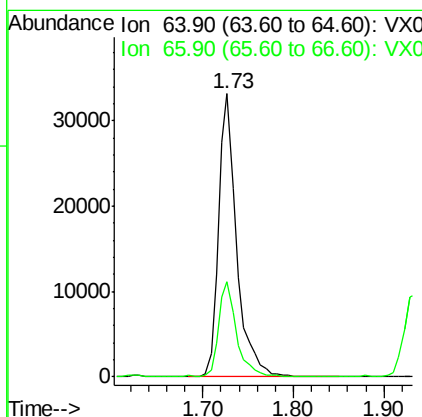
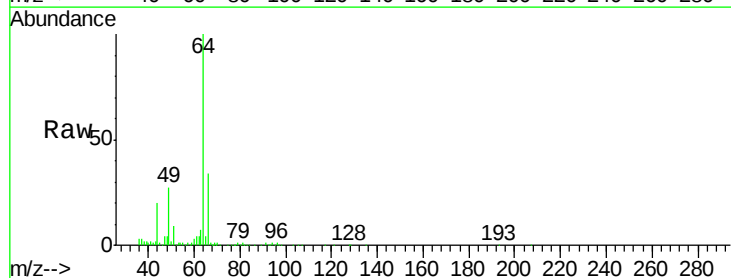
Acq: 27 May 2018 13:19

Tgt Ion: 64 Resp: 46033

Ion Ratio Lower Upper

64 100

66 33.5 25.6 38.4





#7

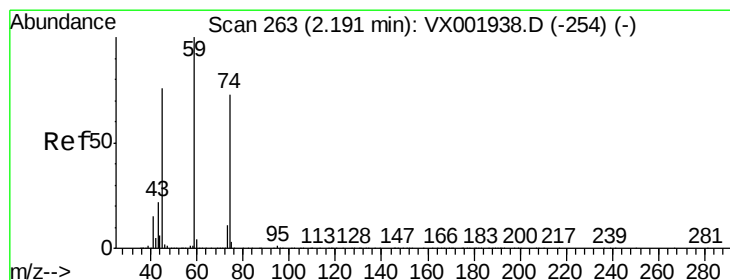
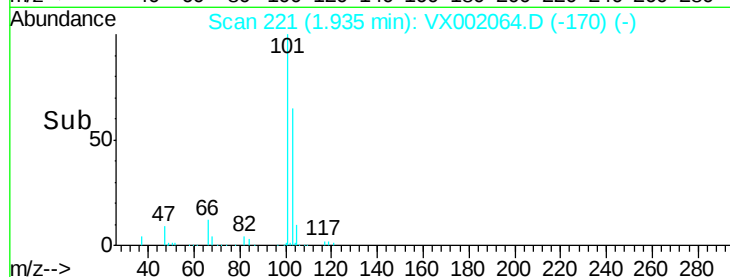
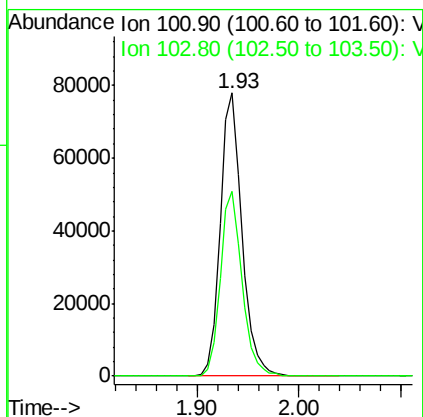
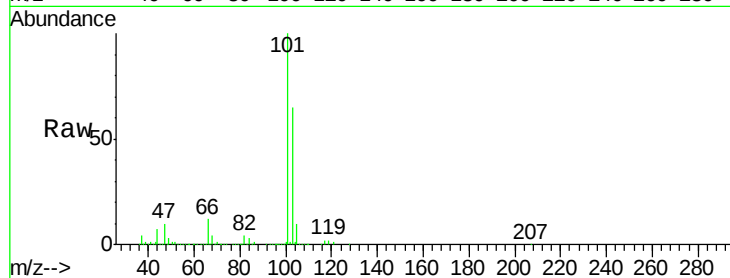
Trichlorofluoromethane
Concen: 21.65 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Instrument :
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ClientSampleId :
VX0527WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		116000		
103	65.3	51.4	77.0		

Manual Integrations
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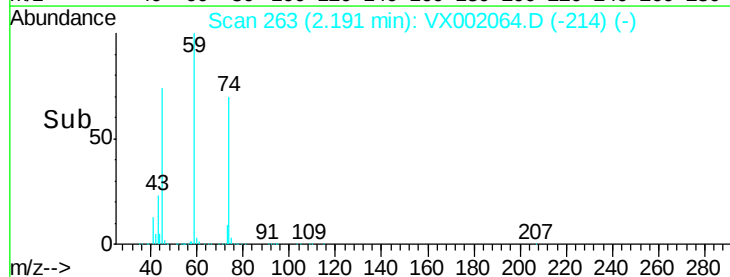
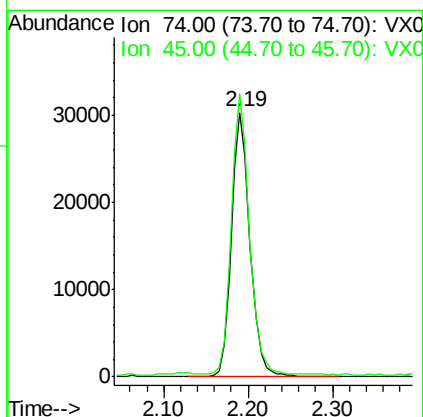
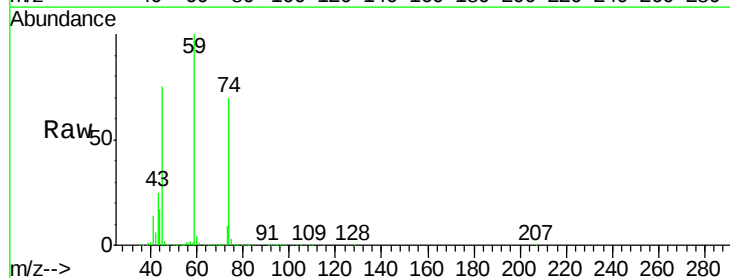
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#8

Diethyl Ether
Concen: 23.27 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		45235		
45	103.7	51.5	154.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.04 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

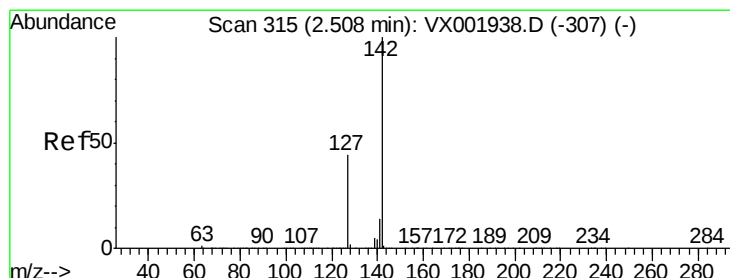
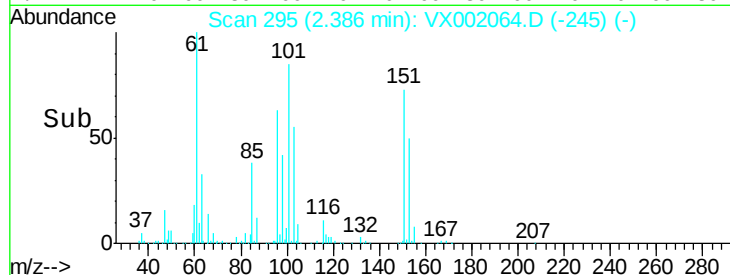
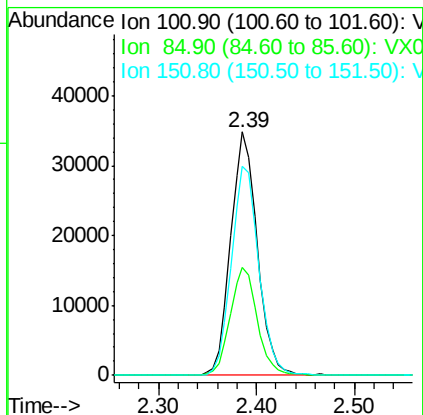
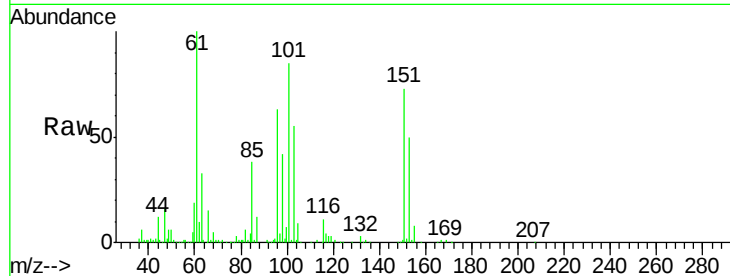
ClientSampleId :

VX0527WBSD01

Tot Ion:	101	Resp:	65910
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.6	53.4
151	88.2	73.2	109.8

Manual Integrations
APPROVED

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5/30/2018 1:50:35 PM



#10

Methyl Iodide

Concen: 16.59 ug/l

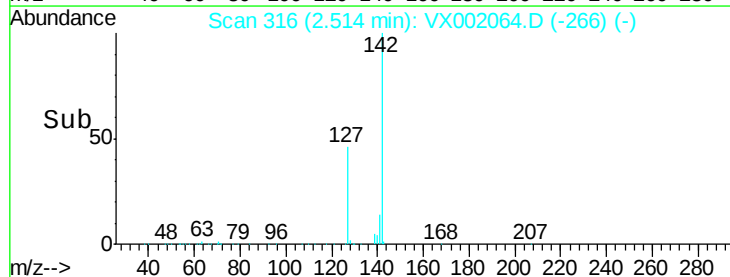
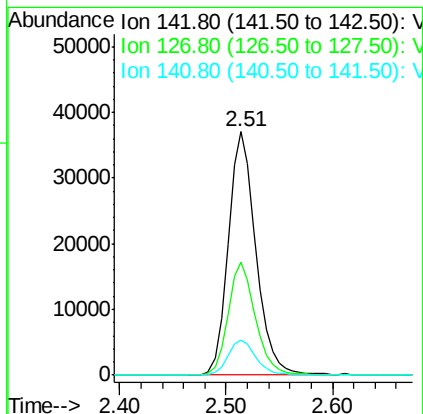
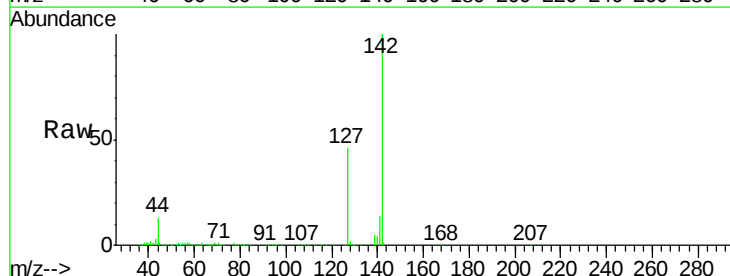
RT: 2.51 min Scan# 316

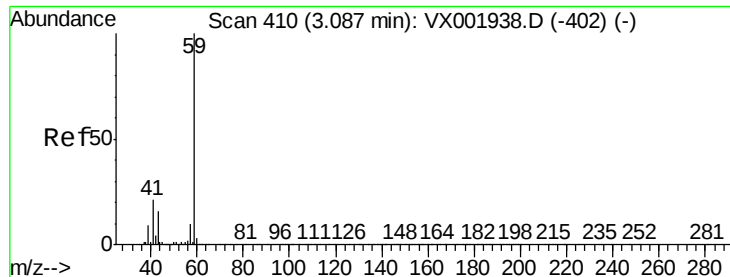
Delta R.T. 0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Tgt Ion:	142	Resp:	67121
Ion Ratio	Lower	Upper	
142	100		
127	45.9	35.5	53.3
141	14.6	11.3	16.9





#11

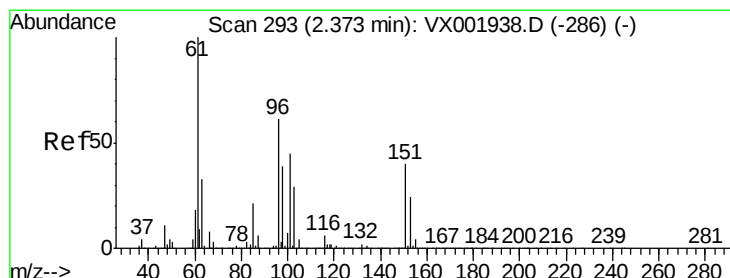
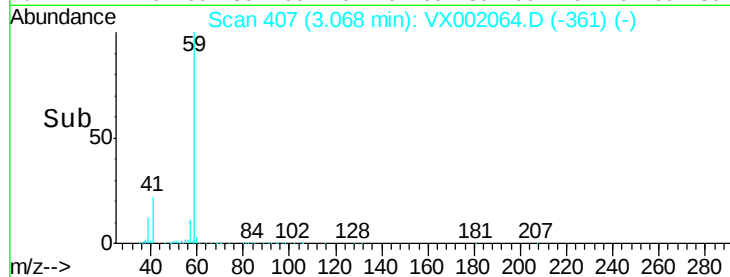
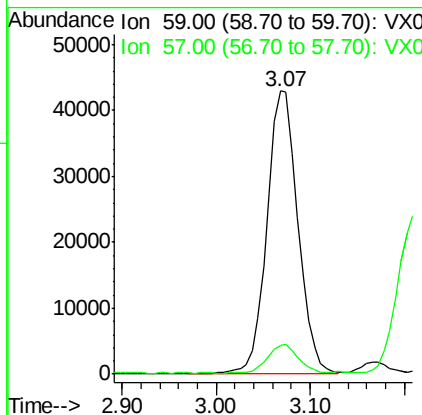
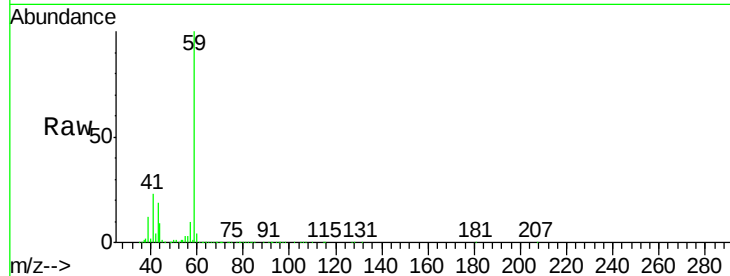
Tert butyl alcohol
Concen: 117.71 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.02 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.9	13.3

Manual Integrations
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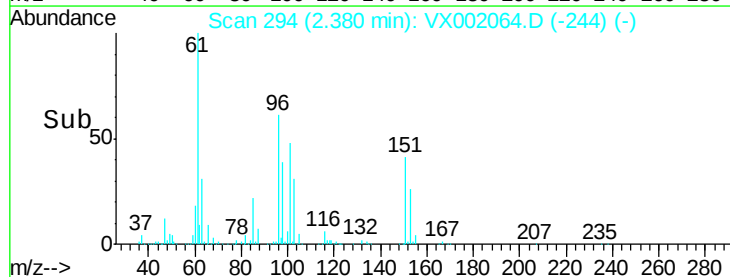
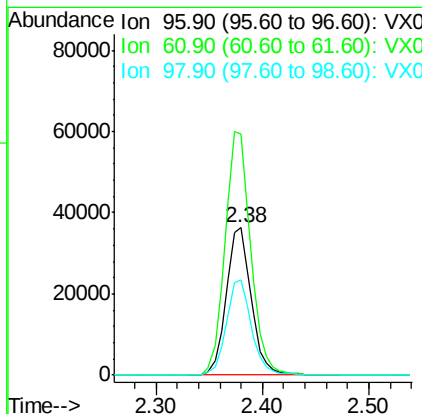
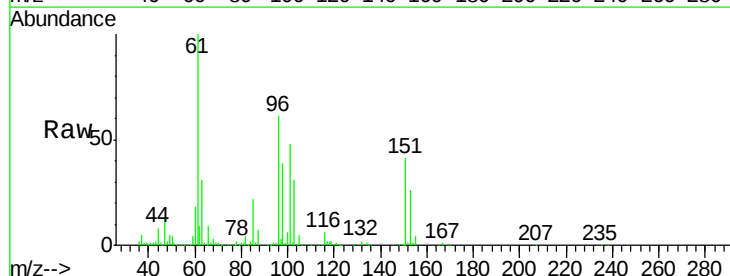
MMDadoda
5/30/2018 1:50:35 PM



#12

1,1-Dichloroethene
Concen: 21.24 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.0	131.7	197.5
98	64.5	51.6	77.4





#13

Acrolein

Concen: 70.82 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBSD01

Tot Ion: 56 Resp: 25801

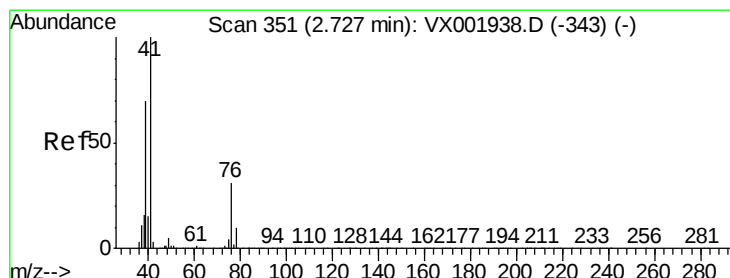
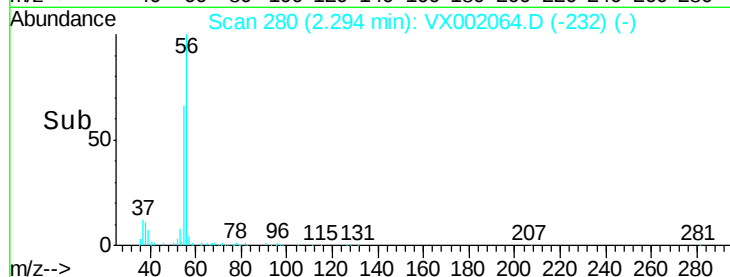
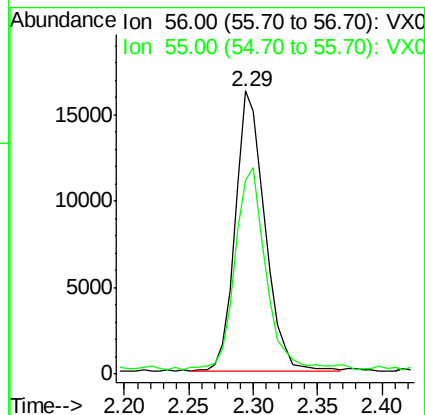
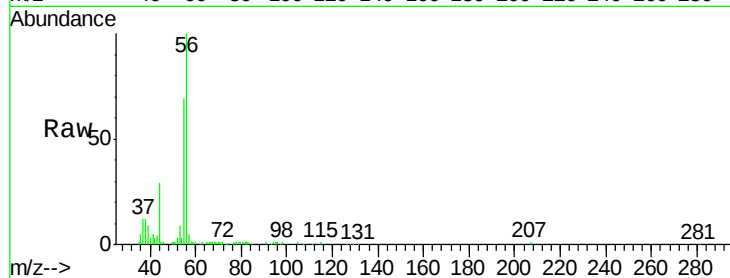
Ion Ratio Lower Upper

56 100

55 75.1 56.8 85.2

Manual Integrations
APPROVED

MMDadoda
5/30/2018 1:50:35 PM



#14

Allyl chloride

Concen: 22.31 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

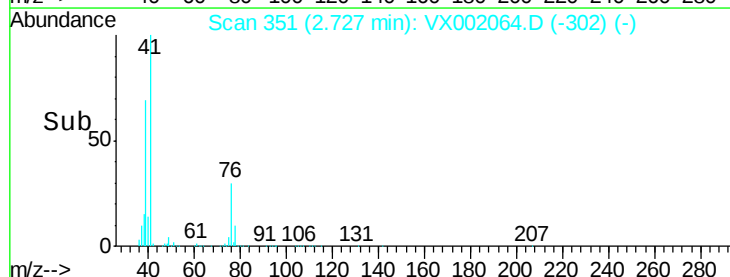
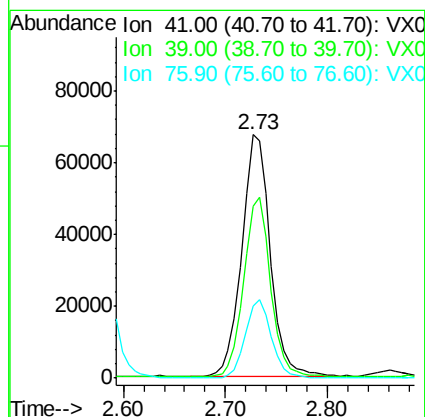
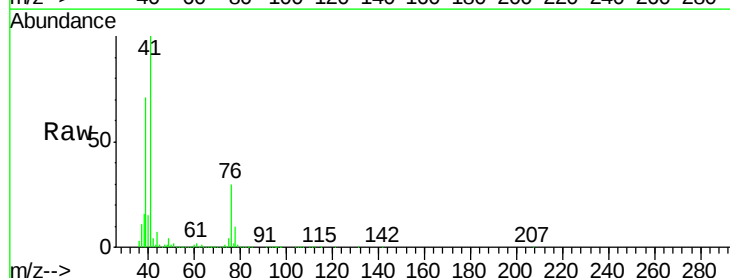
Tgt Ion: 41 Resp: 131062

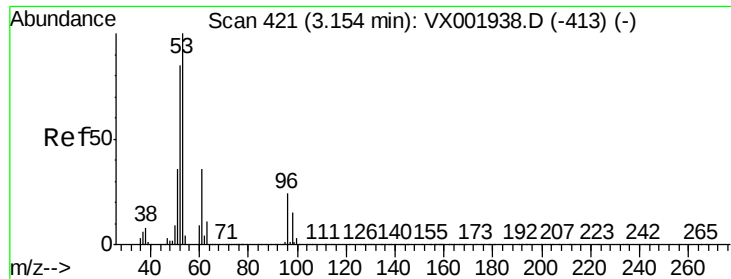
Ion Ratio Lower Upper

41 100

39 69.2 54.3 81.5

76 29.6 24.2 36.4





#15

Acrylonitrile

Concen: 115.05 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

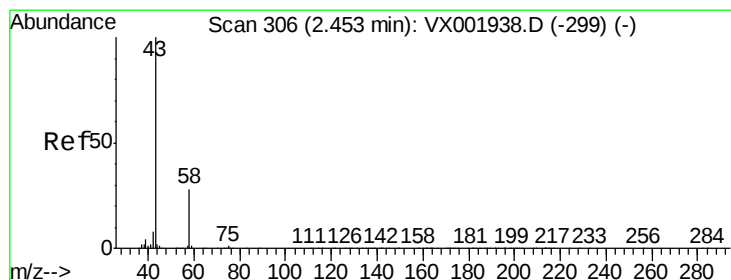
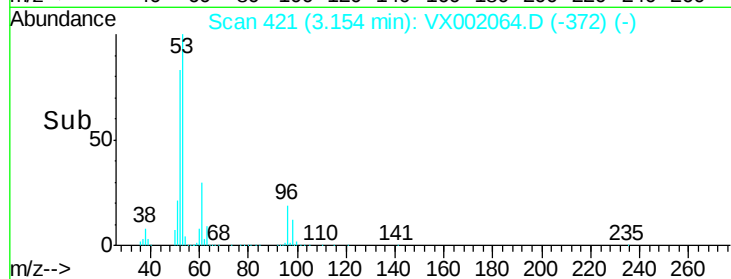
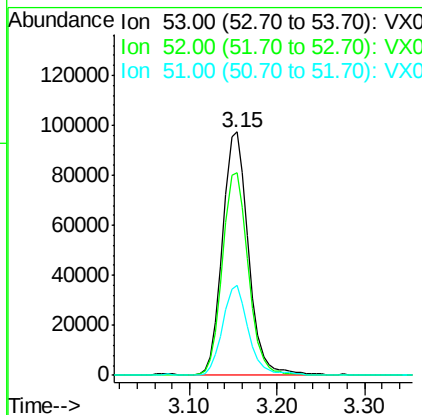
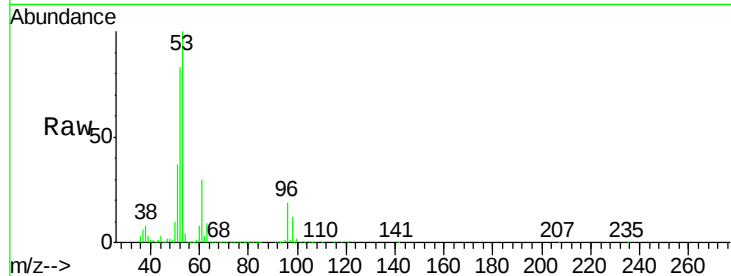
ClientSampleId :

VX0527WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
53	100		199367		
52	82.9	66.4	99.6		
51	36.9	29.3	43.9		

Manual Integrations
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5/30/2018 1:50:35 PM



#16

Acetone

Concen: 119.13 ug/l

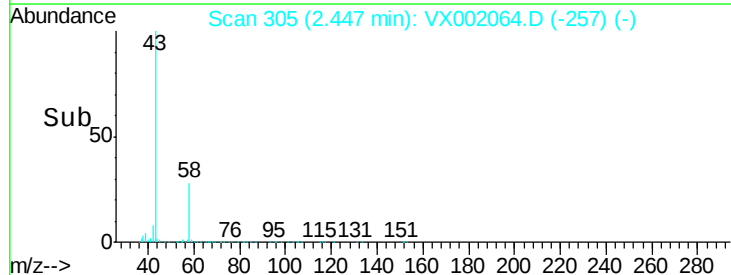
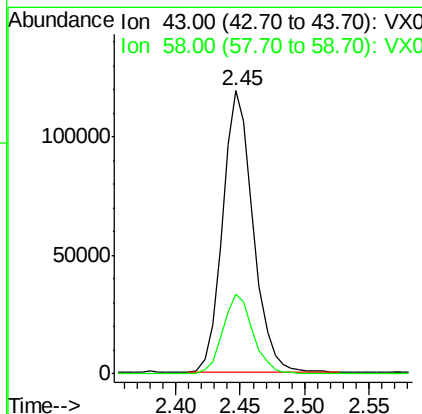
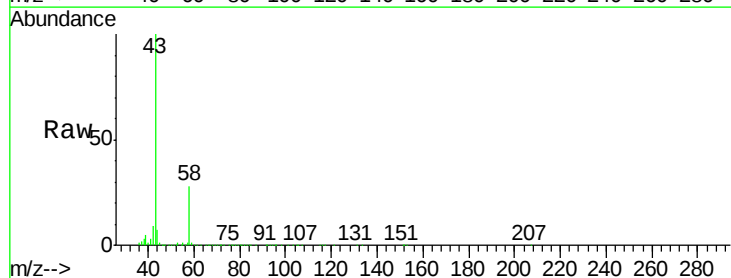
RT: 2.45 min Scan# 305

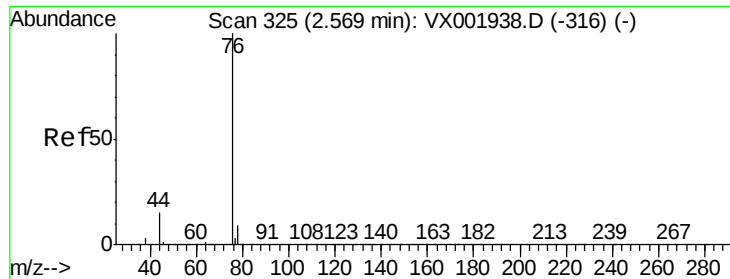
Delta R.T. -0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		197364		
58	28.4	22.3	33.5		





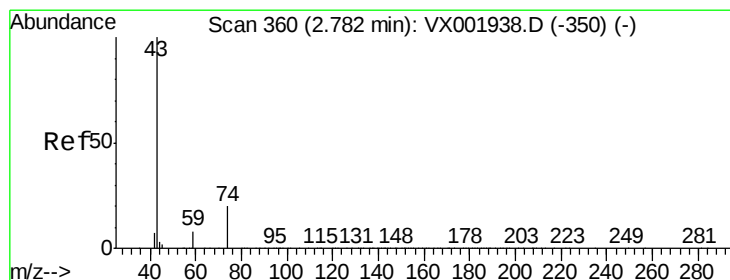
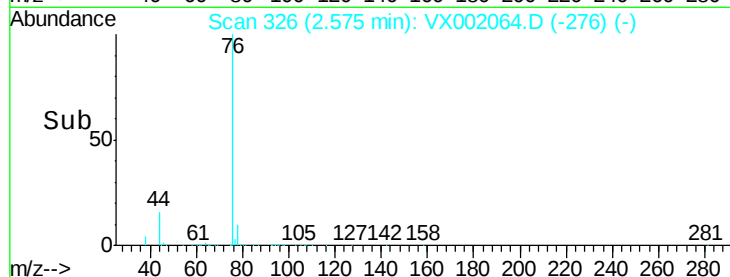
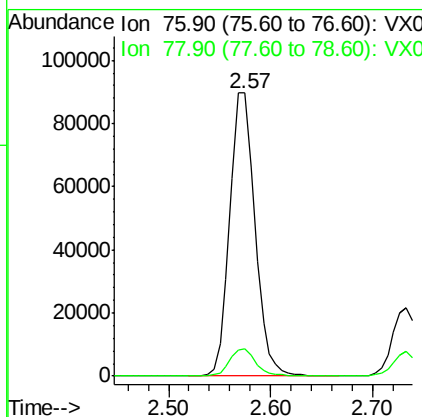
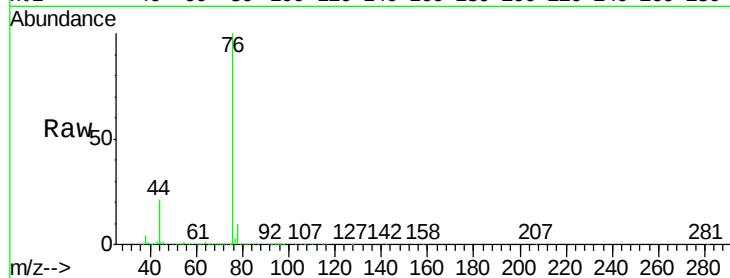
#17
Carbon Disulfide
Concen: 19.11 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.4	11.2

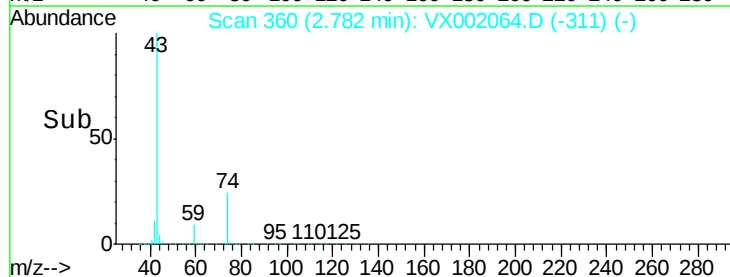
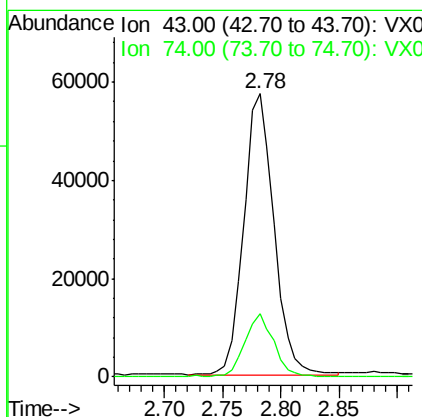
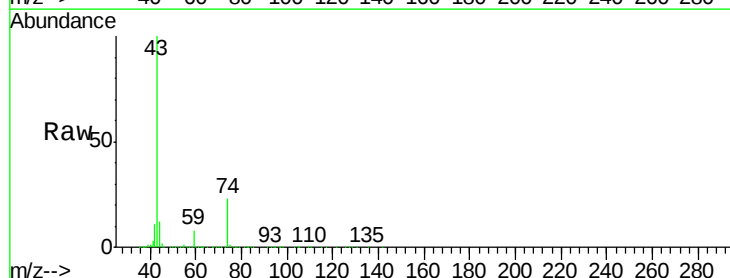
Manual Integrations
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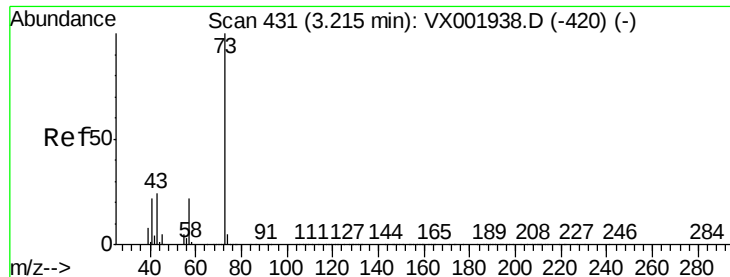
MMDadoda
5/30/2018 1:50:35 PM



#18
Methyl Acetate
Concen: 25.58 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	16.8	25.2





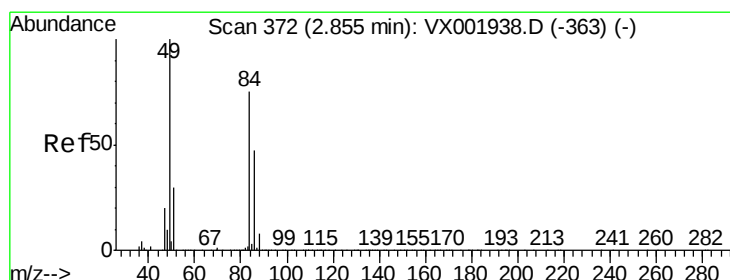
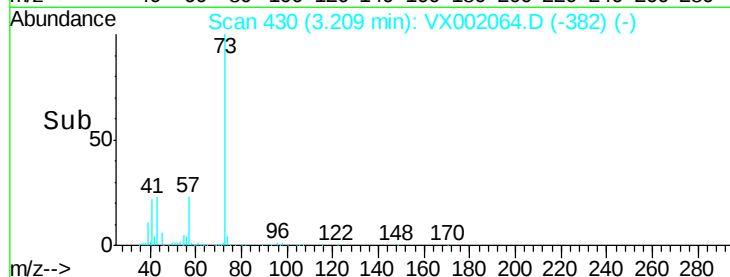
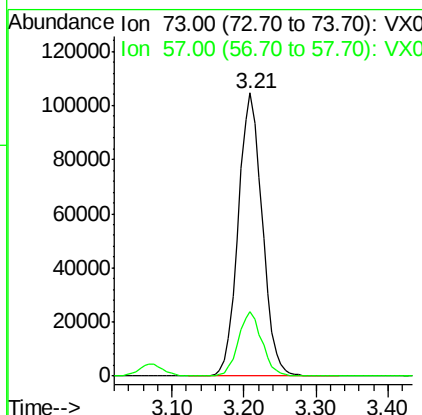
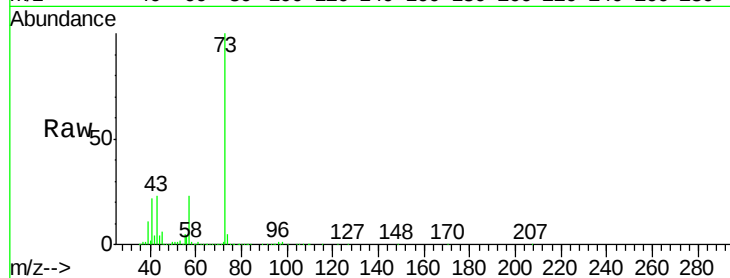
#19
Methvl tert-butvl Ether
Concen: 22.98 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	17.4	26.0

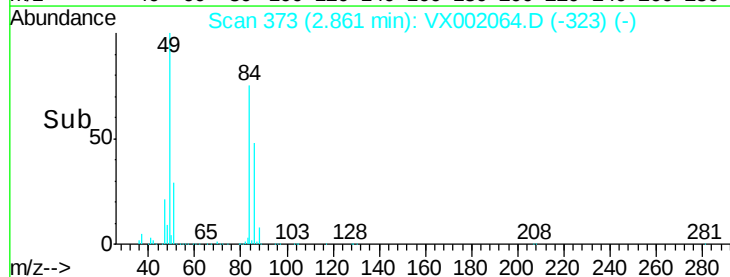
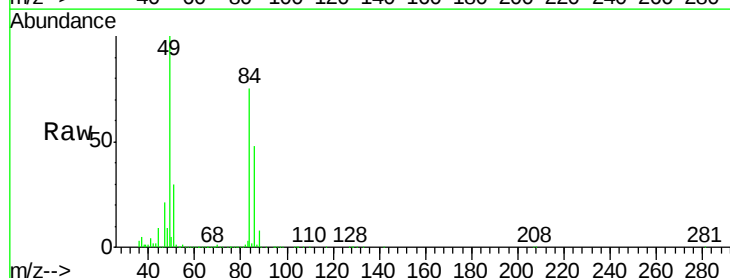
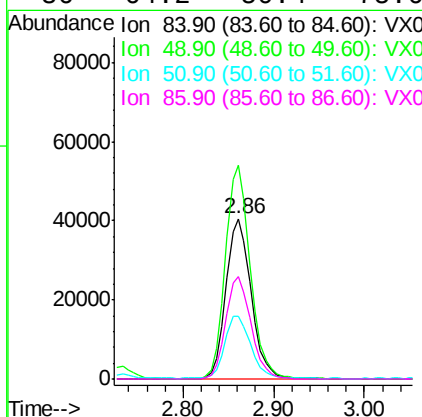
Manual Integrations
APPROVED

MMDadoda
5/30/2018 1:50:35 PM



#20
Methylene Chloride
Concen: 26.47 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.3	107.2	160.8
51	39.1	32.4	48.6
86	64.2	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 22.23 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

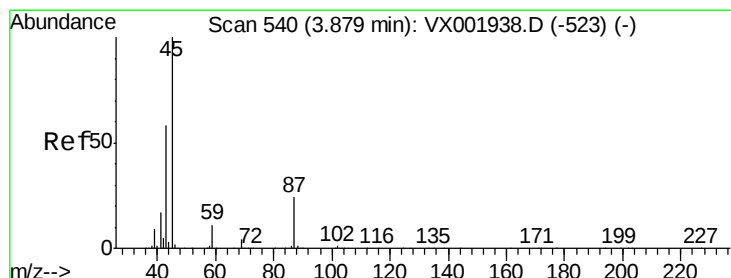
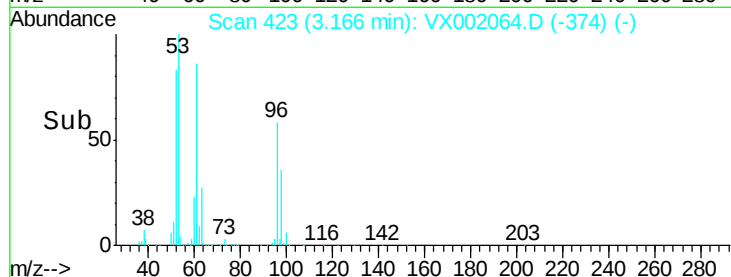
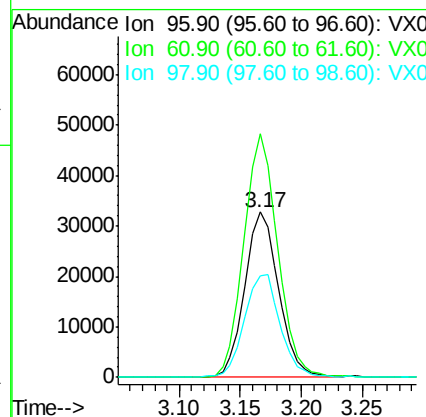
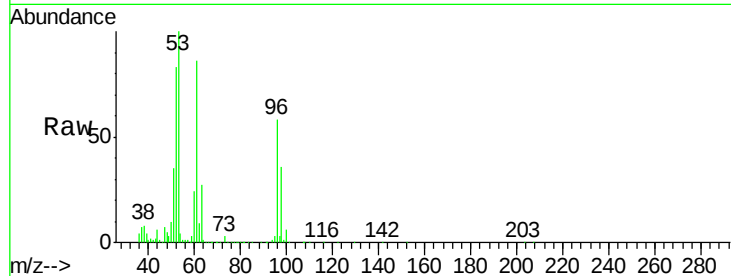
ClientSampleId :

VX0527WBSD01

Tot Ion:	96	Resp:	62964
Ion	Ratio	Lower	Upper
96	100		
61	147.6	113.3	169.9
98	61.6	51.7	77.5

Manual Integrations
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5/30/2018 1:50:35 PM



#22

Diisopropyl ether

Concen: 20.12 ug/l

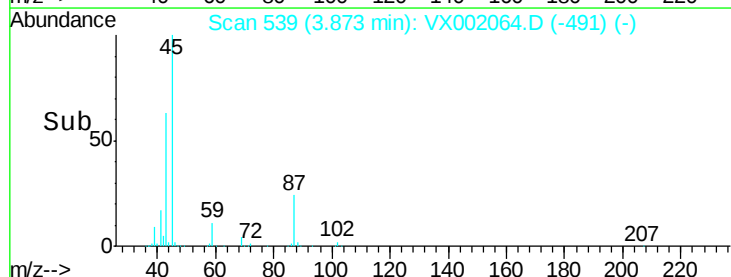
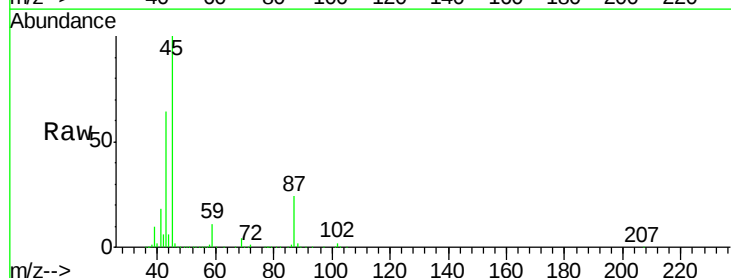
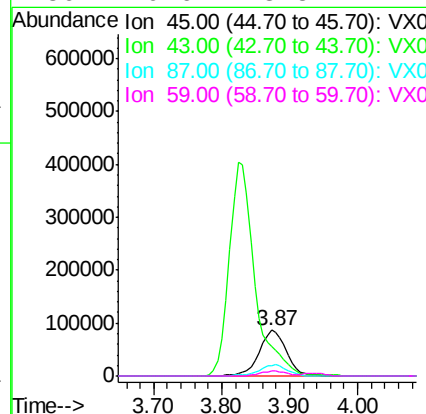
RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Tgt Ion:	45	Resp:	240464
Ion	Ratio	Lower	Upper
45	100		
43	63.8	47.0	70.6
87	23.9	19.4	29.0
59	10.6	8.5	12.7





#23

Vinyl Acetate

Concen: 107.10 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBSD01

Tot Ion: 43 Resp: 1061254

Ion Ratio Lower Upper

43 100

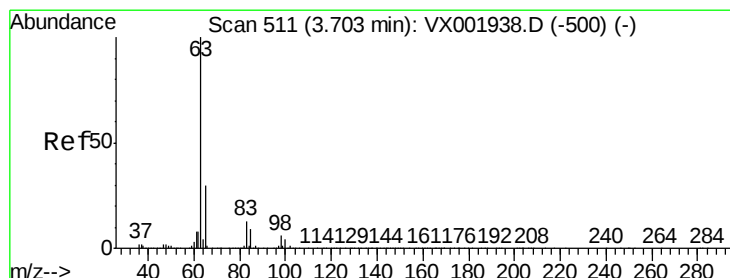
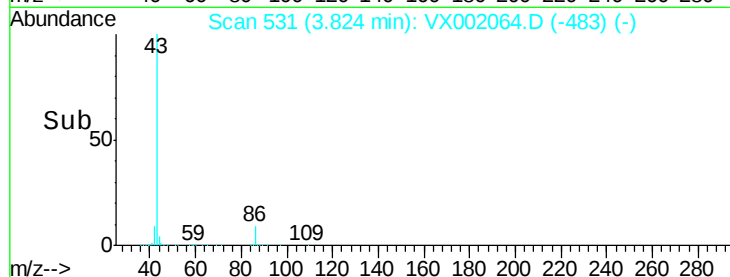
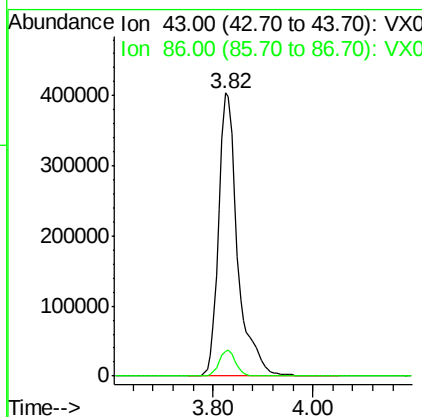
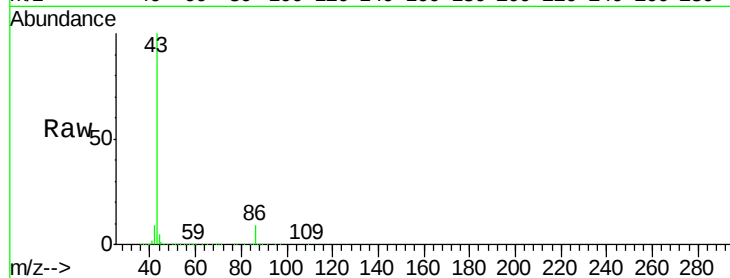
86 8.8 7.6 11.4

Manual Integrations

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5/30/2018 1:50:35 PM



#24

1,1-Dichloroethane

Concen: 21.69 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

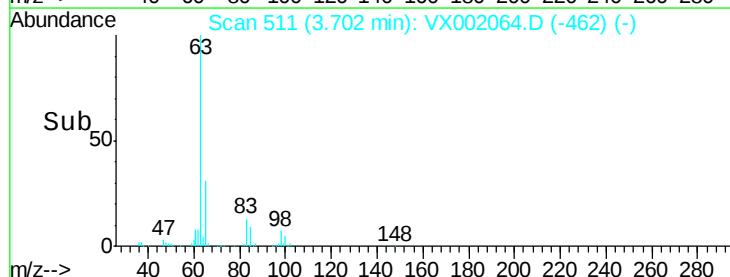
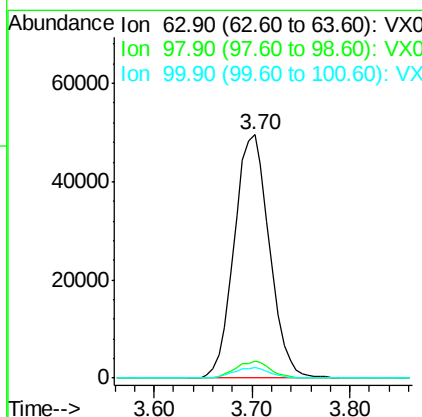
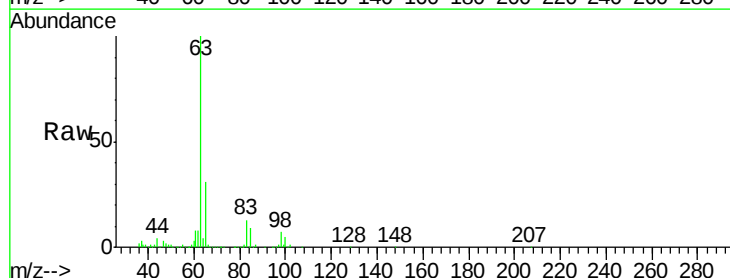
Tgt Ion: 63 Resp: 123125

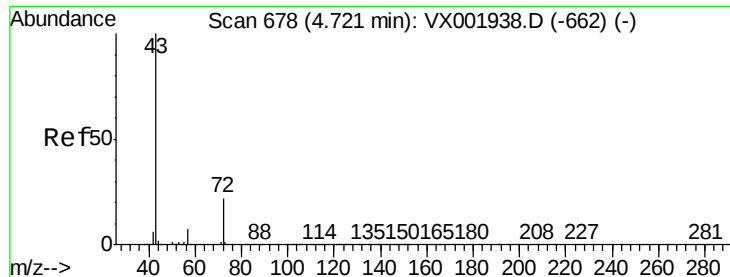
Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

100 4.5 2.1 6.5





#25

2-Butanone

Concen: 96.59 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Tot Ion: 43 Resp: 293296

Ion Ratio Lower Upper

43 100

72 22.2 17.9 26.9

Instrument :

MSVOA_X

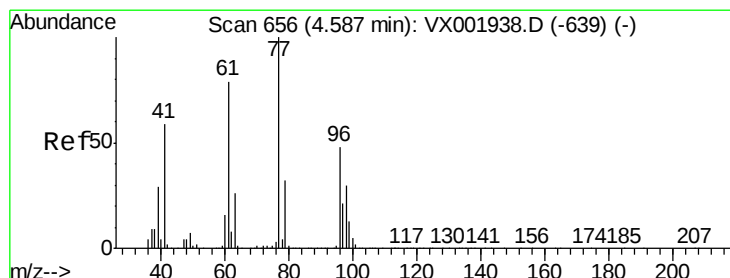
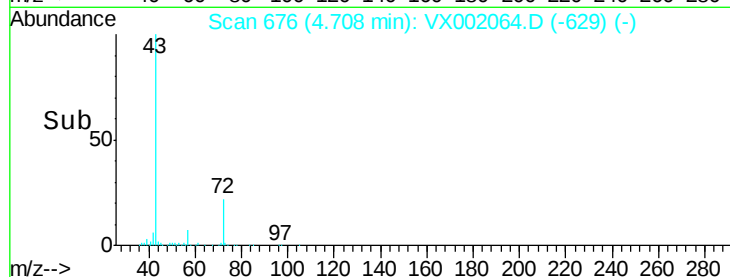
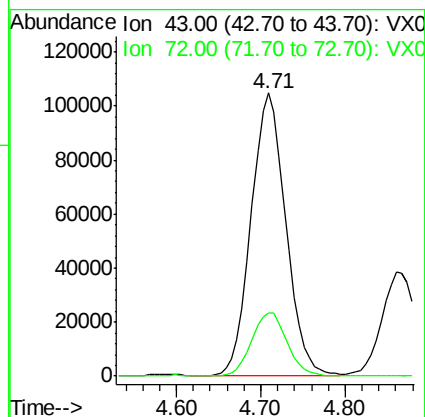
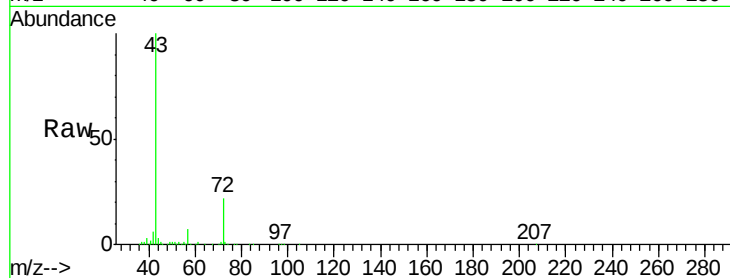
ClientSampleId :

VX0527WBSD01

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 18.63 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002064.D

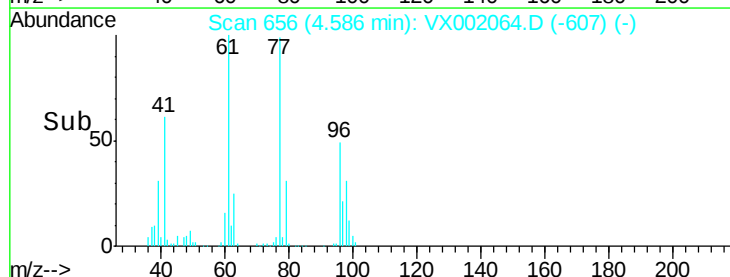
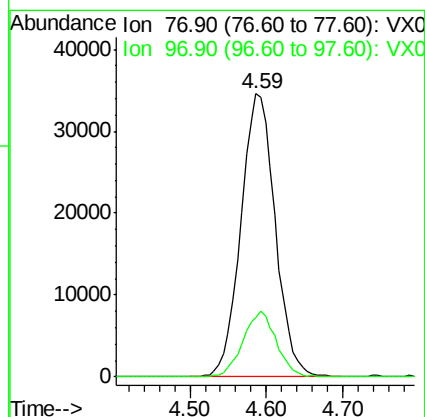
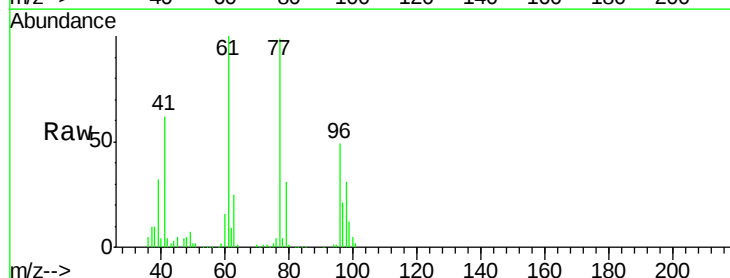
Acq: 27 May 2018 13:19

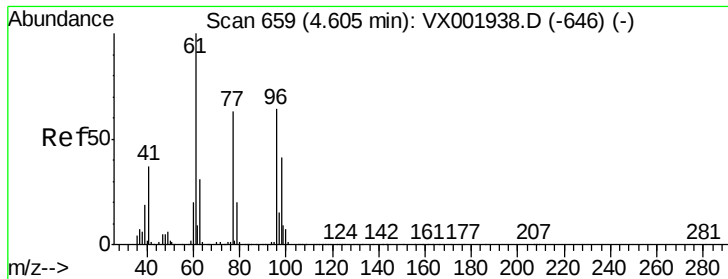
Tgt Ion: 77 Resp: 107081

Ion Ratio Lower Upper

77 100

97 22.8 11.2 33.5





#27

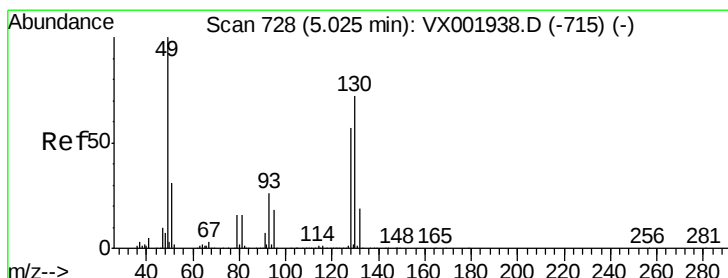
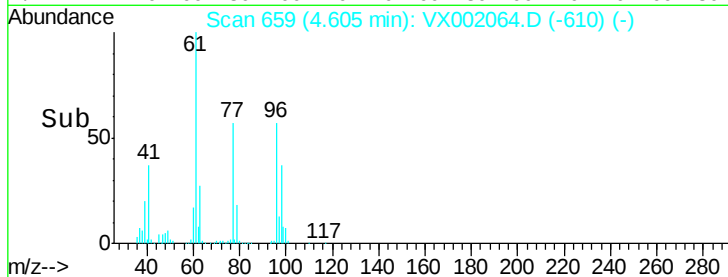
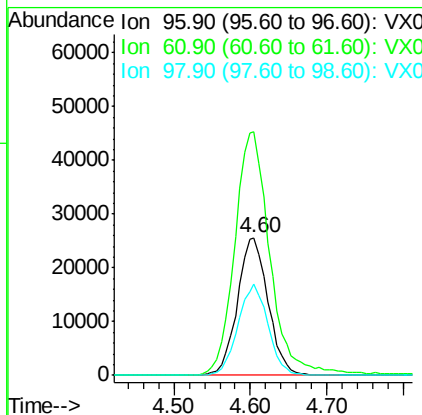
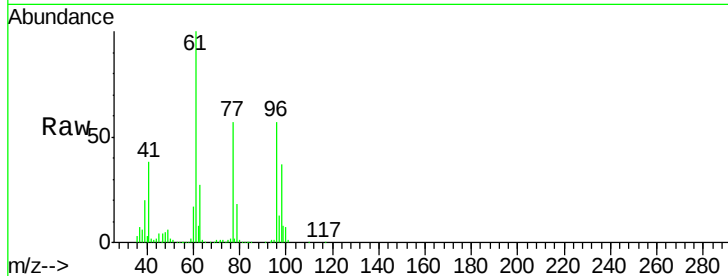
cis-1,2-Dichloroethene
Concen: 19.55 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	204.0	0.0	348.4
98	64.9	0.0	128.6

Manual Integrations
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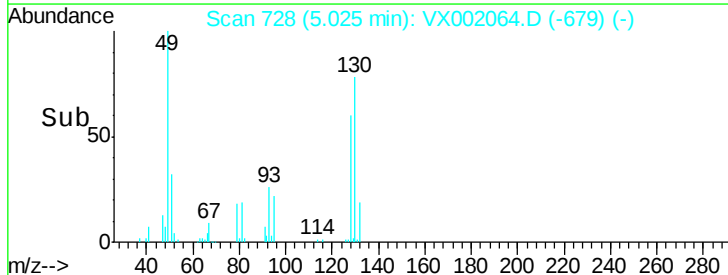
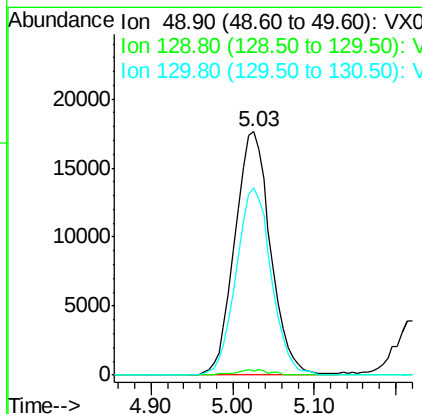
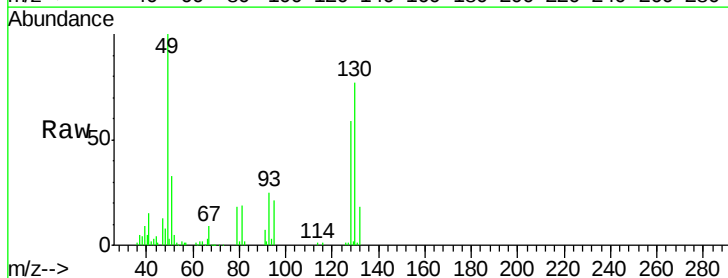
MMDadoda
5/30/2018 1:50:35 PM



#28

Bromochloromethane
Concen: 21.33 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	75.5	59.4	89.2





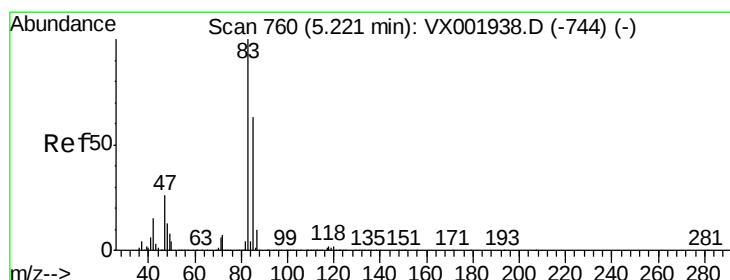
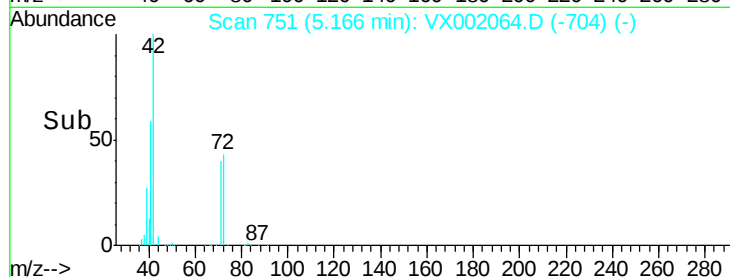
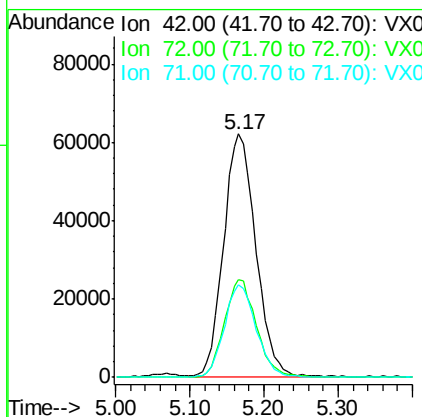
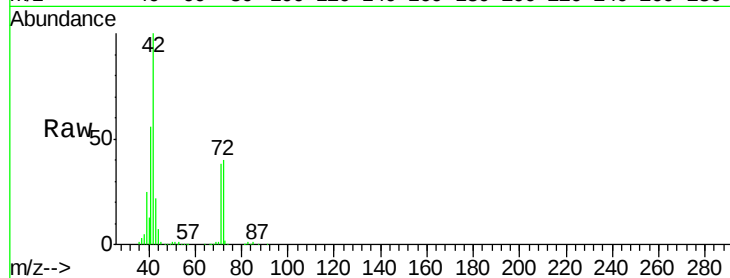
#29
Tetrahydrofuran
Concen: 94.81 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	31.4	47.0
71	37.8	29.5	44.3

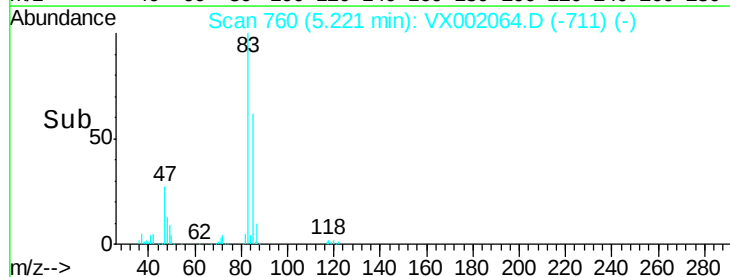
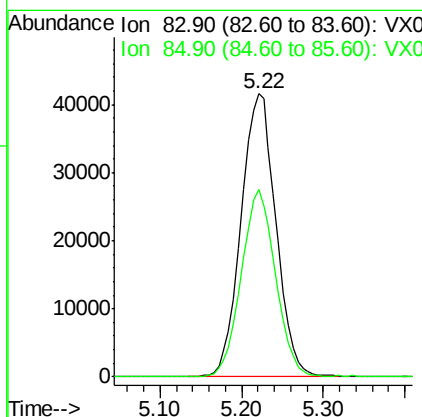
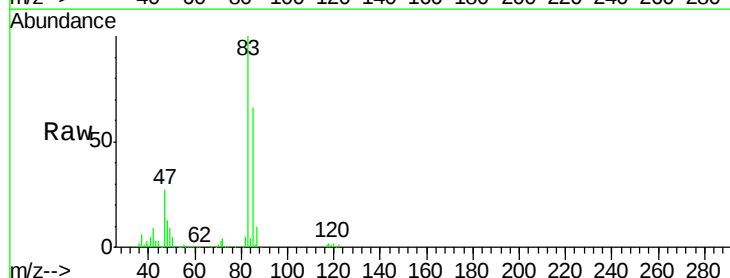
Manual Integrations
APPROVED

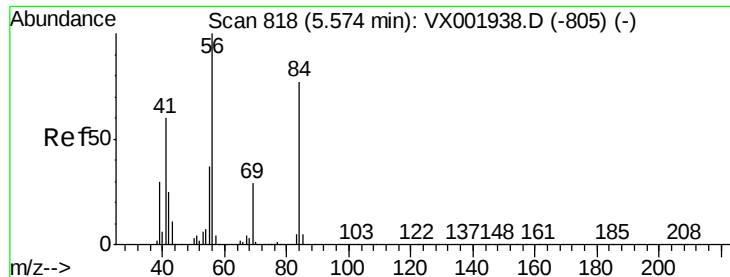
MMDadoda
5/30/2018 1:50:35 PM



#30
Chloroform
Concen: 19.33 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	50.9	76.3





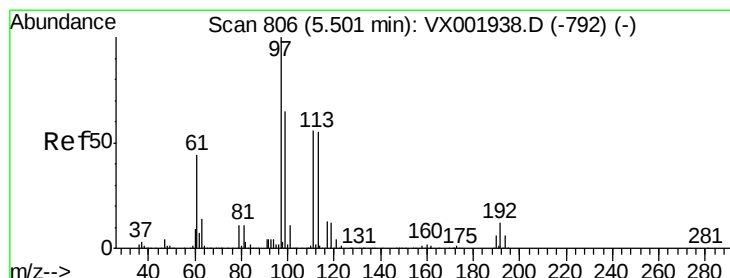
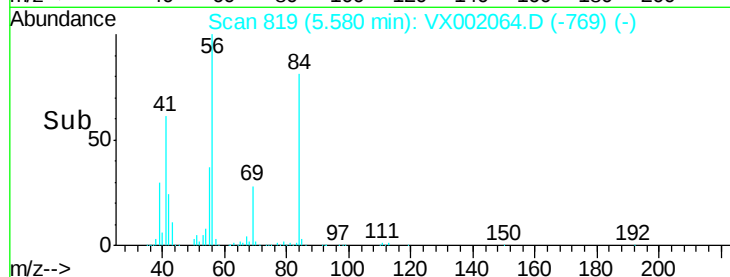
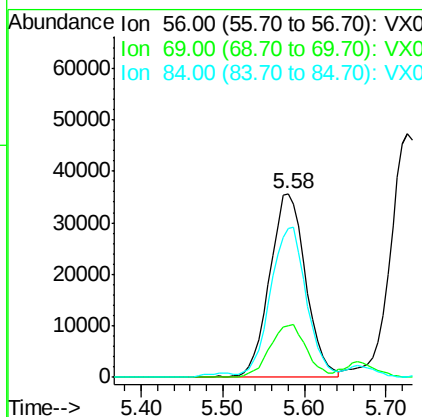
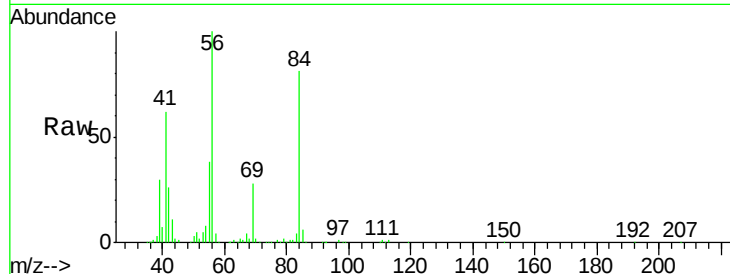
#31
Cyclohexane
Concen: 18.39 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.2	23.1	34.7
84	80.6	62.0	93.0

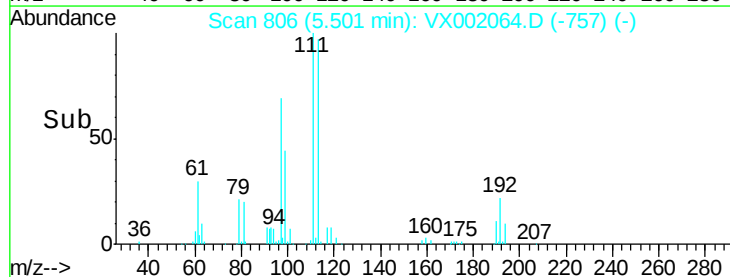
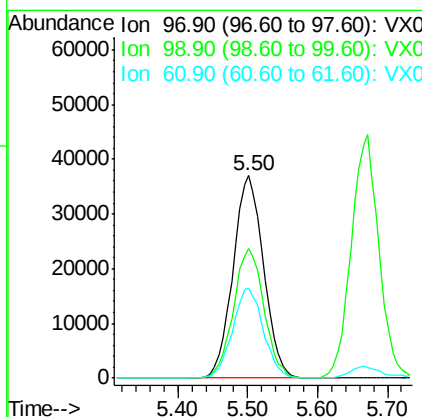
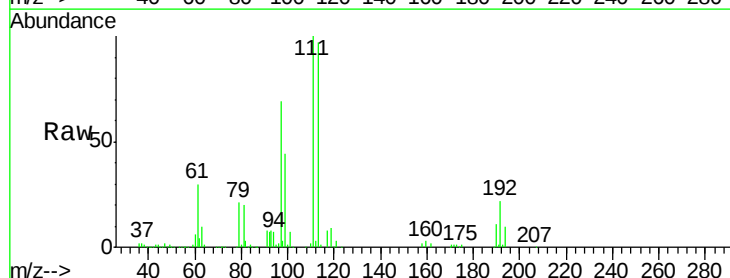
Manual Integrations
APPROVED

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5/30/2018 1:50:35 PM



#32
1,1,1-Trichloroethane
Concen: 18.83 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.9	77.9
61	44.6	35.9	53.9





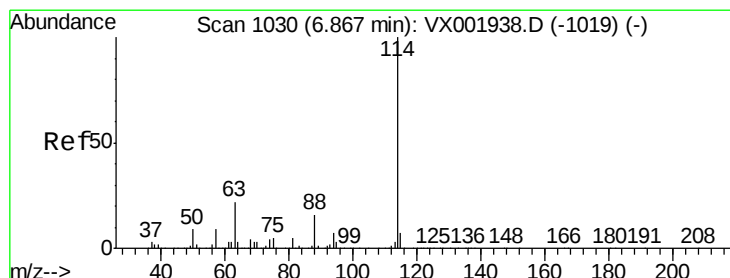
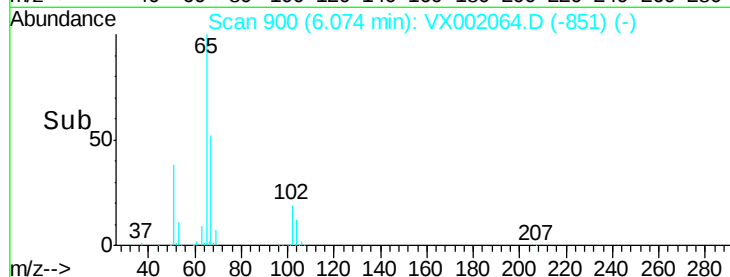
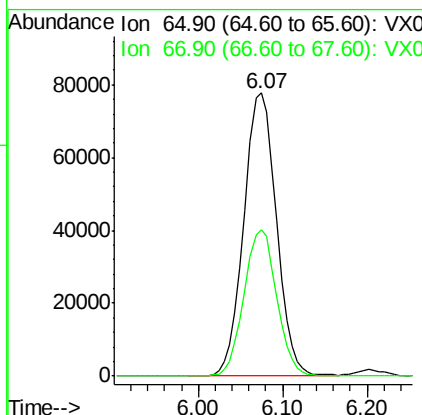
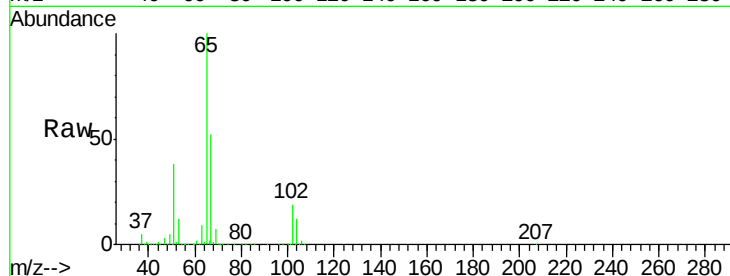
#33
 1,2-Dichloroethane-d4
 Concen: 47.57 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002064.D
 Acq: 27 May 2018 13:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	204196		
67	51.8	0.0	104.0	

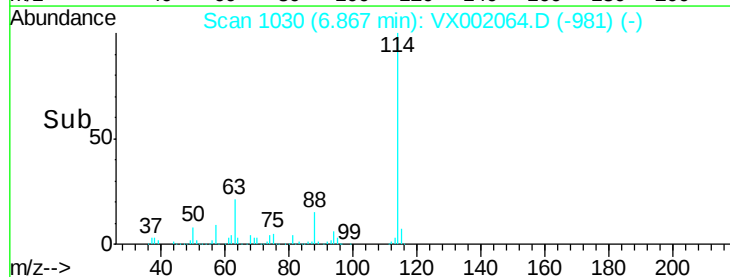
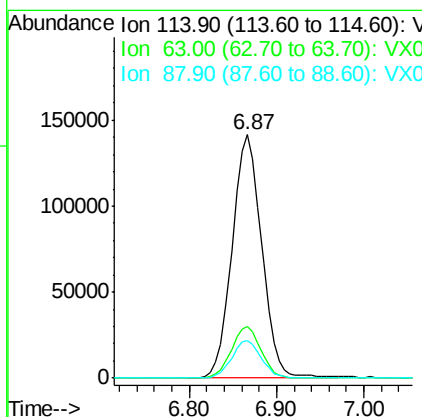
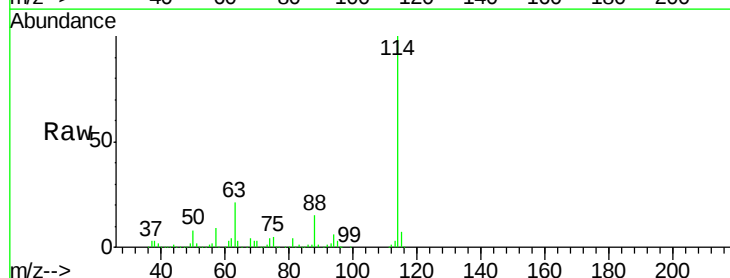
Manual Integrations
 APPROVED

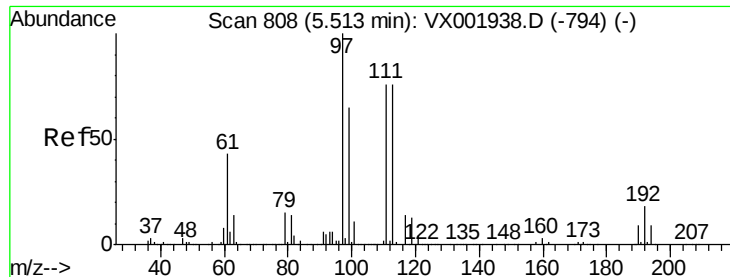
MMDadoda
 5/30/2018 1:50:35 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002064.D
 Acq: 27 May 2018 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	333741		
63	21.3	0.0	43.2	
88	15.4	0.0	31.6	





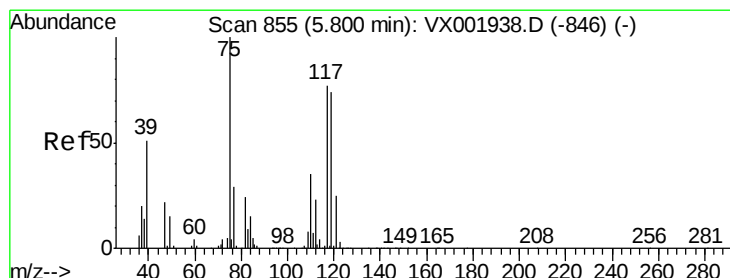
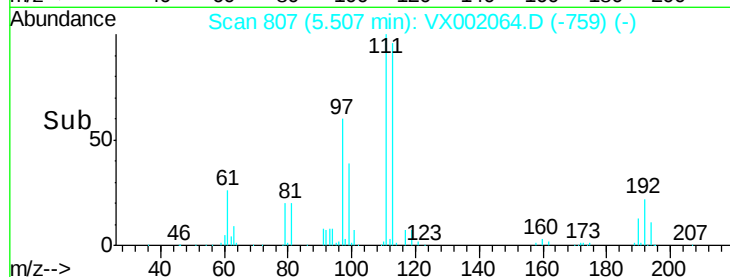
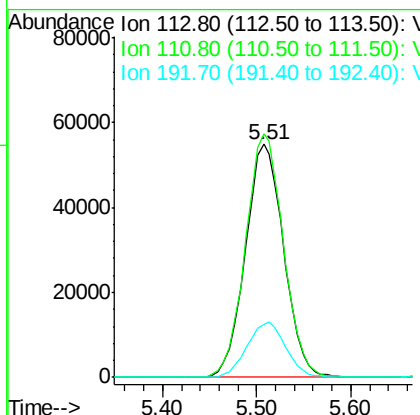
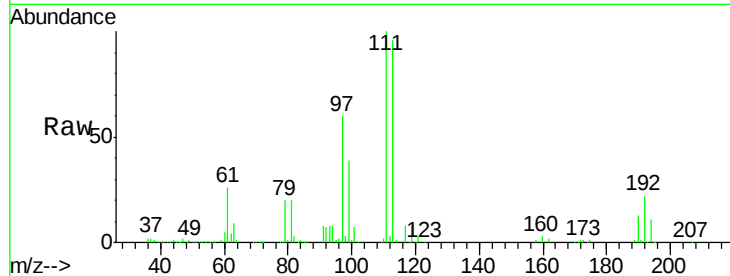
#35
 Dibromofluoromethane
 Concen: 46.75 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX002064.D
 Acq: 27 May 2018 13:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	156011		
111	104.1	82.0	123.0	
192	24.1	18.9	28.3	

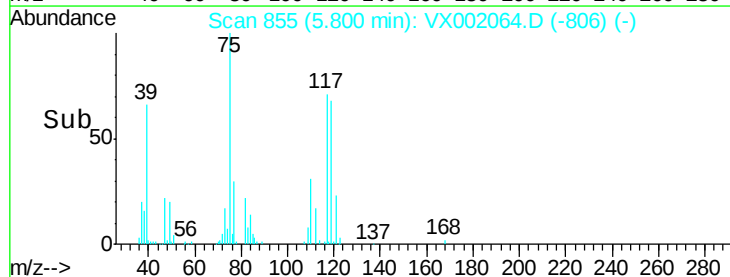
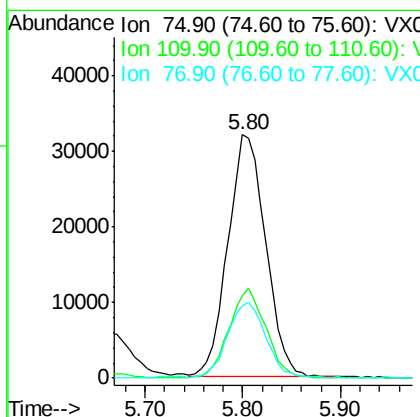
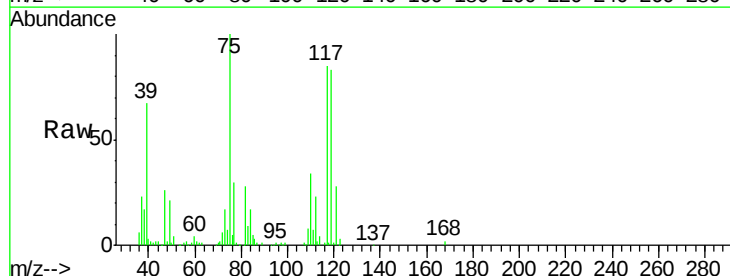
Manual Integrations
 APPROVED

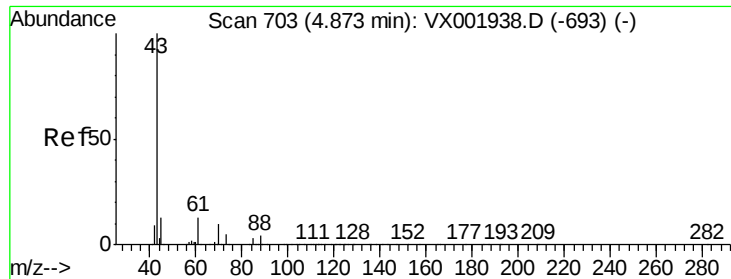
MMDadoda
 5/30/2018 1:50:35 PM



#36
 1,1-Dichloropropene
 Concen: 18.53 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX002064.D
 Acq: 27 May 2018 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	86007		
110	36.3	17.4	52.2	
77	30.9	24.4	36.6	





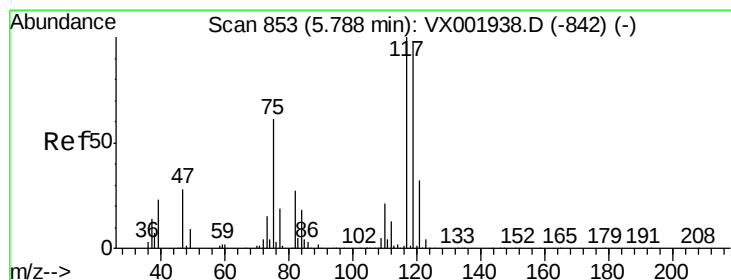
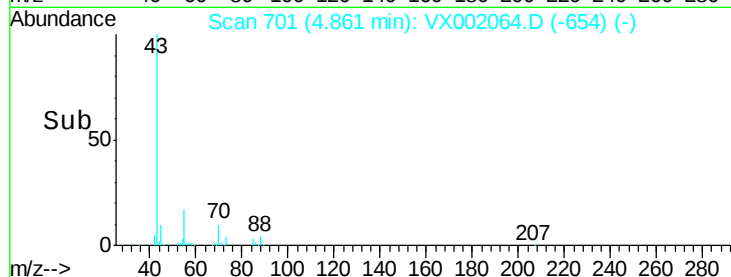
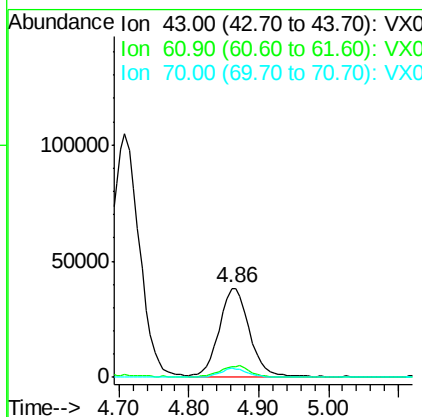
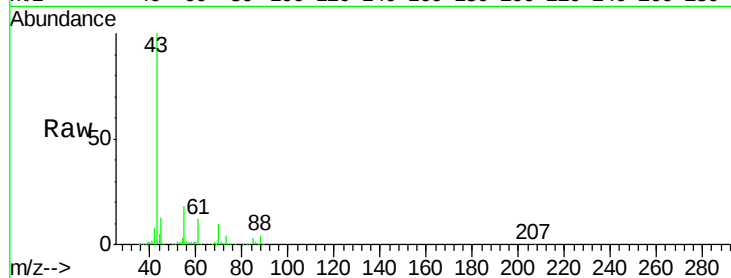
#37
Ethyl Acetate
Concen: 18.79 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.2	15.2
70	9.9	7.8	11.8

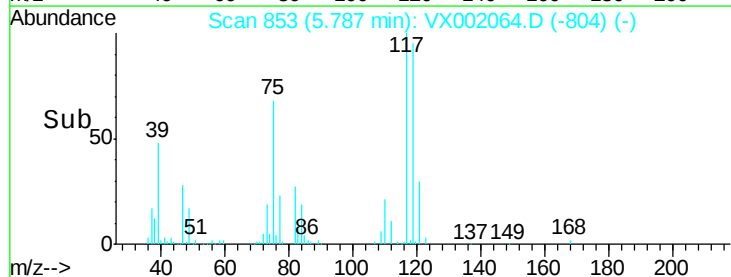
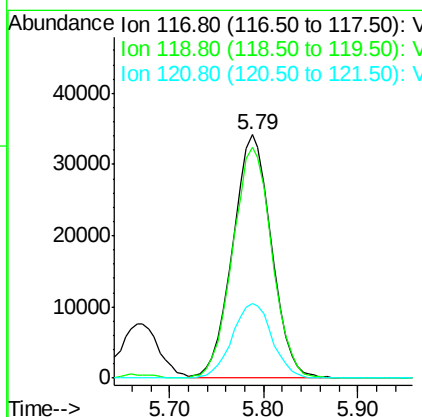
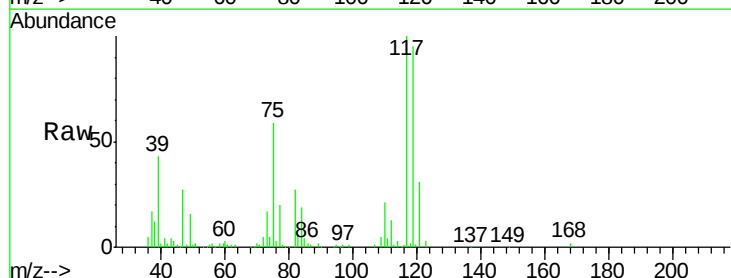
Manual Integrations
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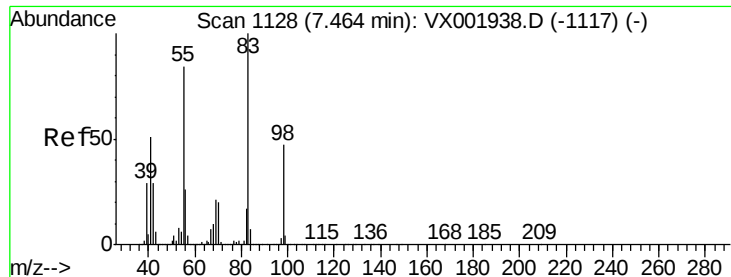
MMDadoda
5/30/2018 1:50:35 PM



#38
Carbon Tetrachloride
Concen: 18.21 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	78.5	117.7
121	30.6	25.5	38.3





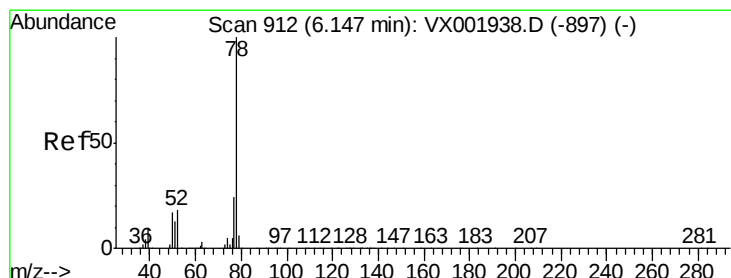
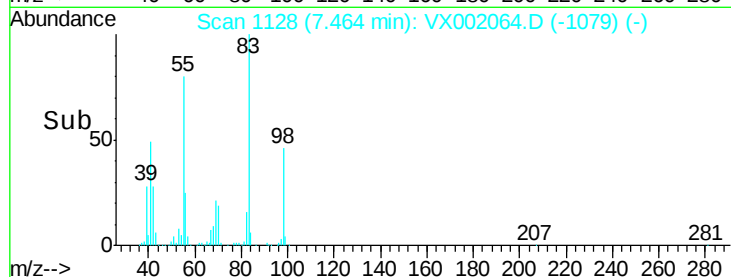
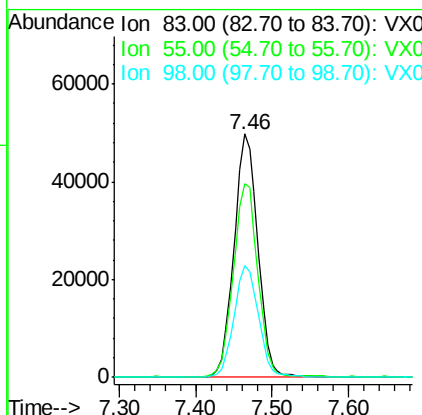
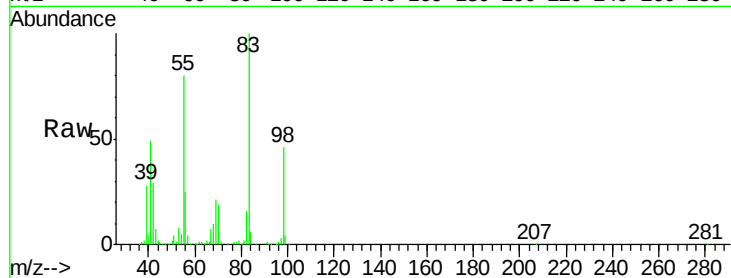
#39
Methvlcvclohexane
Concen: 18.90 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.4	67.3	100.9
98	45.8	37.5	56.3

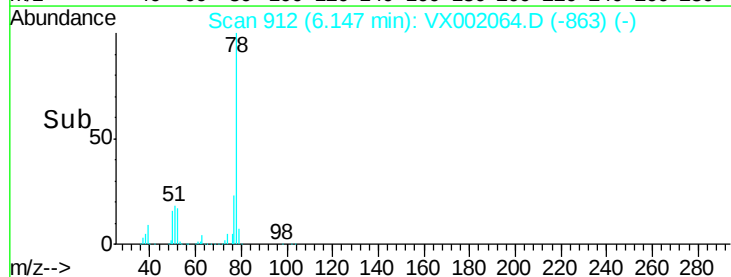
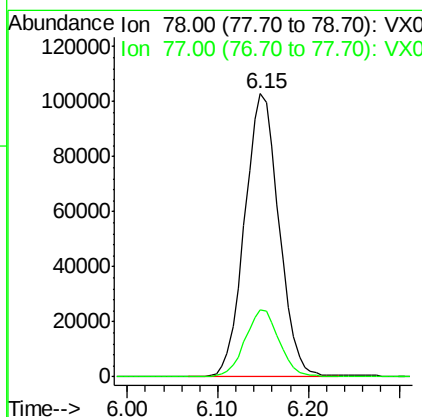
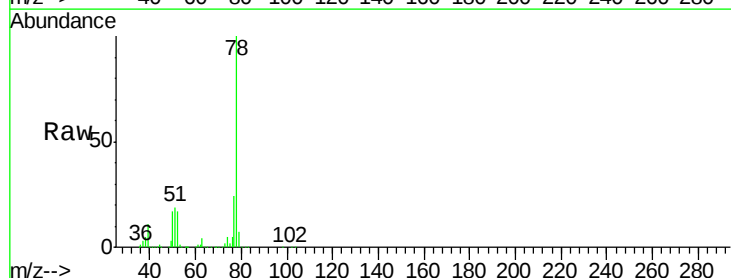
Manual Integrations
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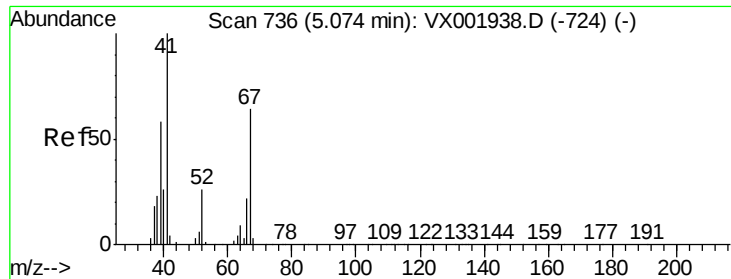
MMDadoda
5/30/2018 1:50:35 PM



#40
Benzene
Concen: 19.82 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7





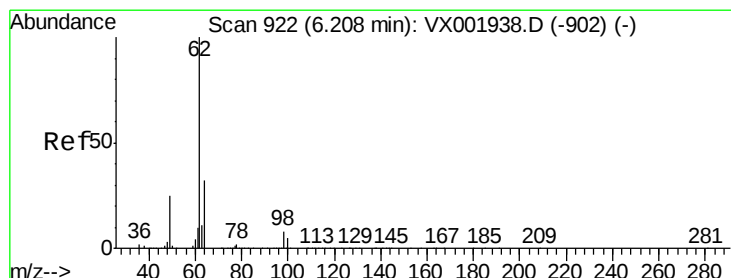
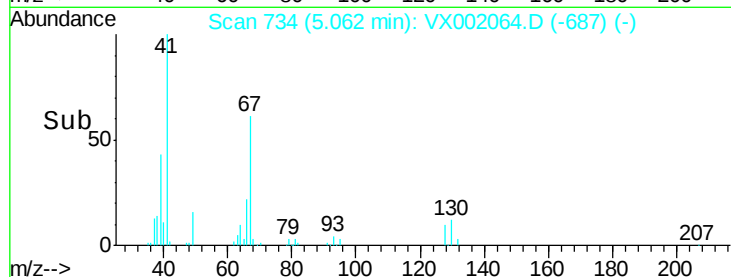
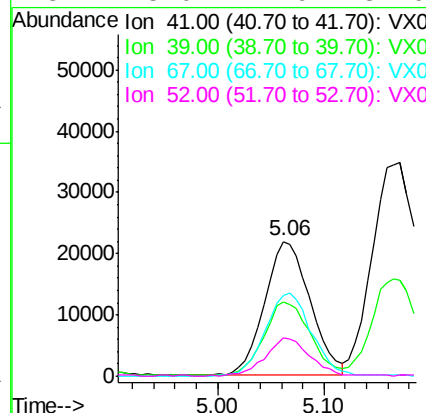
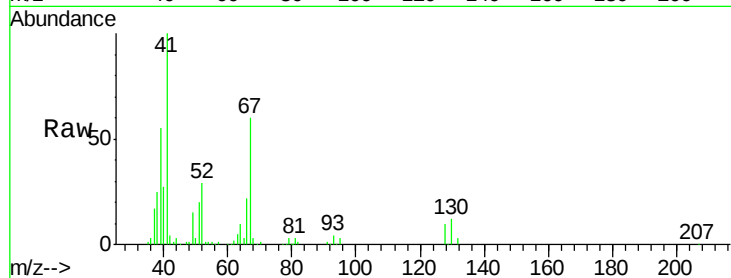
#41
Methacrylonitrile
Concen: 19.53 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		65016		
39	55.2	46.0	69.0		
67	63.7	50.6	75.8		
52	28.0	21.9	32.9		

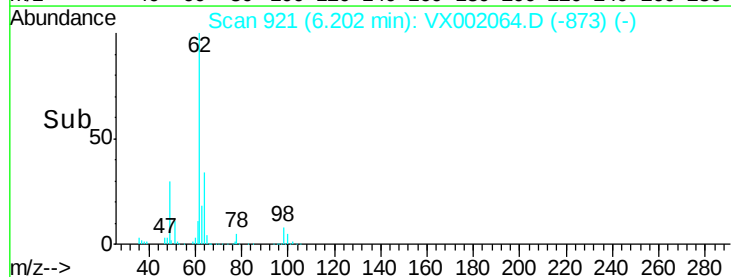
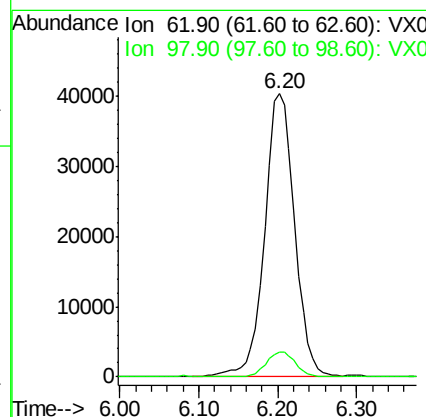
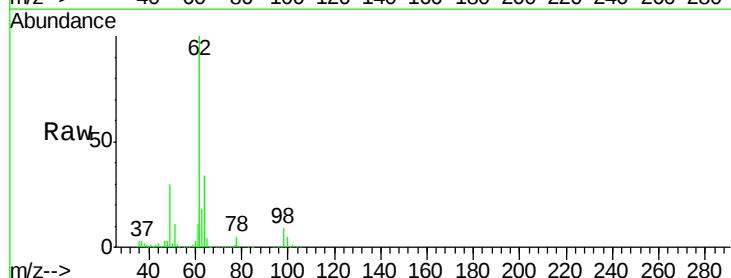
Manual Integrations
APPROVED

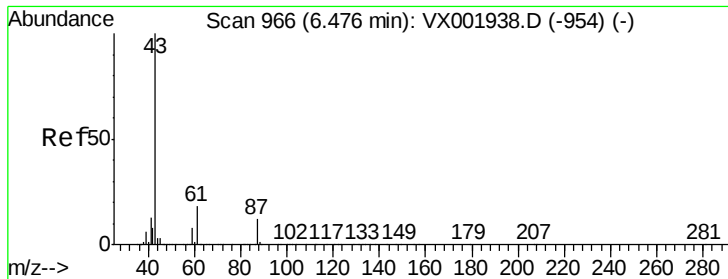
MMDadoda
5/30/2018 1:50:35 PM



#42
1,2-Dichloroethane
Concen: 19.47 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		105754		
98	8.7	0.0	17.0		





#43

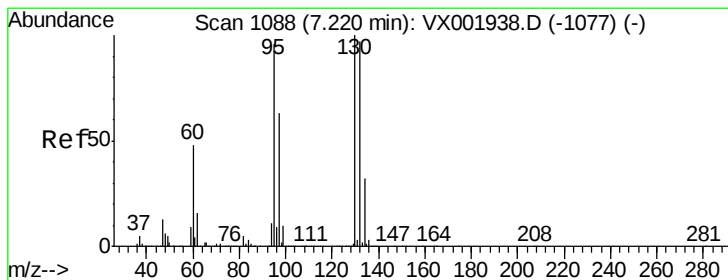
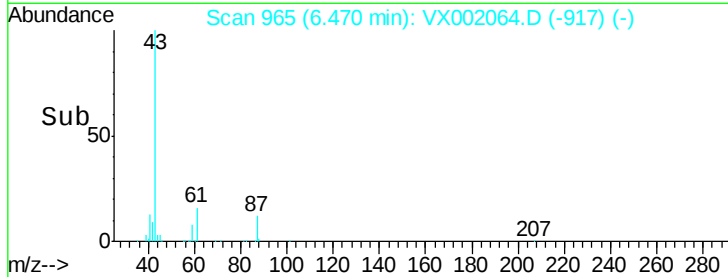
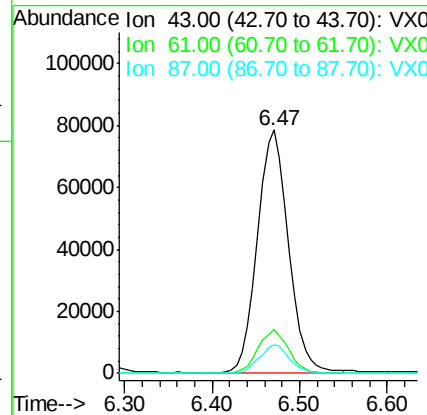
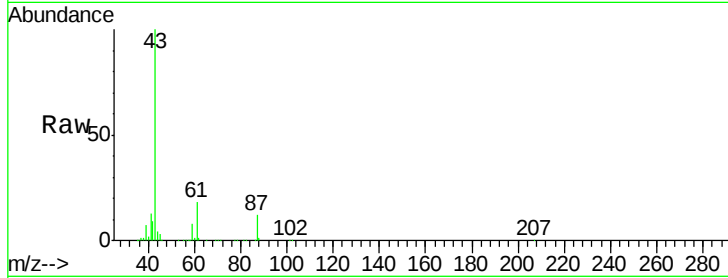
Isopropyl Acetate
 Concen: 19.25 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX002064.D
 Acq: 27 May 2018 13:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.5	21.7
87	11.6	9.5	14.3

Manual Integrations
 APPROVED

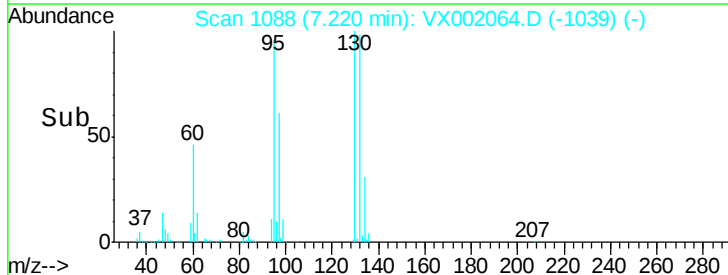
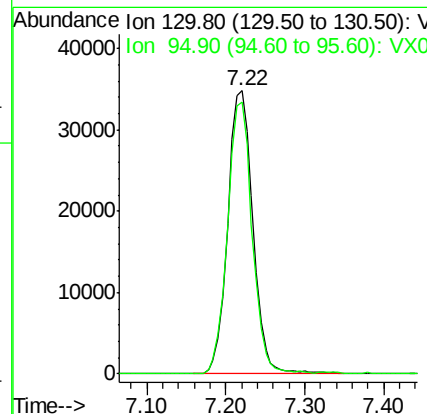
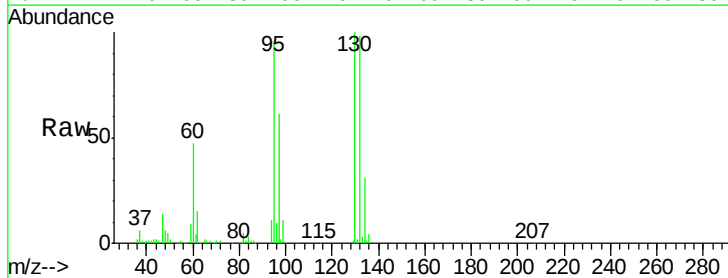
MMDadoda
 5/30/2018 1:50:35 PM

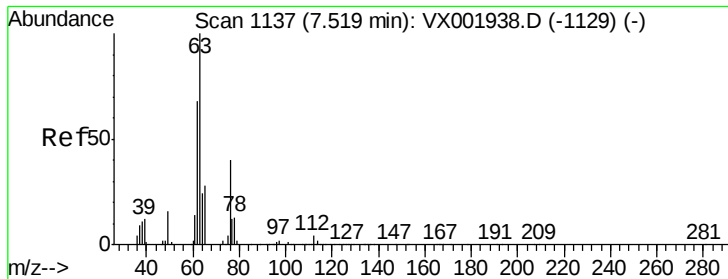


#44

Trichloroethene
 Concen: 19.52 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX002064.D
 Acq: 27 May 2018 13:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	192.0





#45

1,2-Dichloropropane

Concen: 20.20 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBSD01

Tot Ion: 63 Resp: 74593

Ion Ratio Lower Upper

63 100

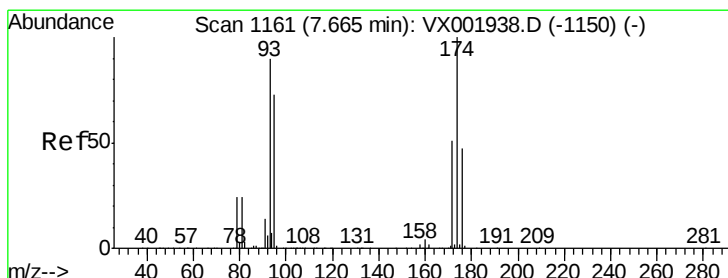
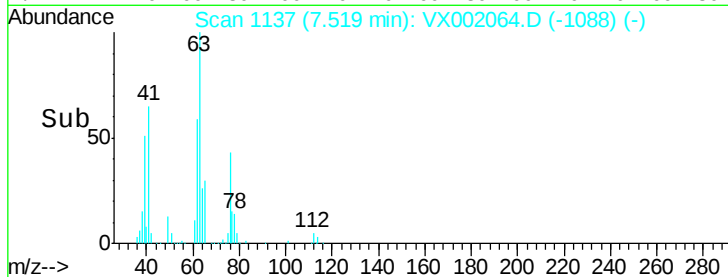
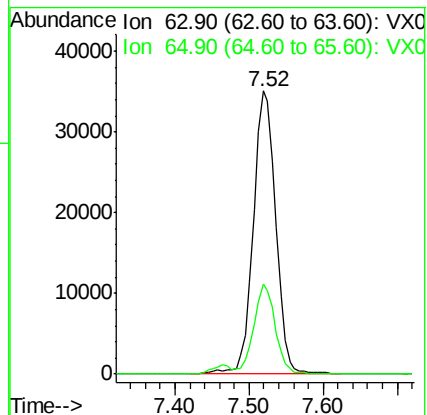
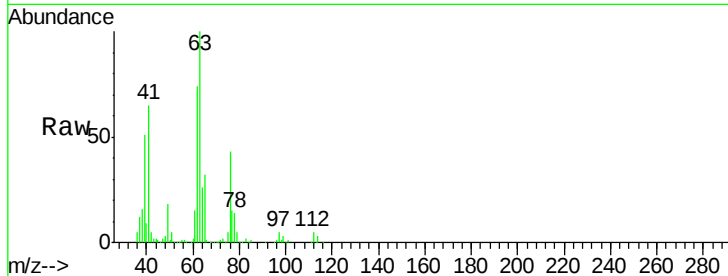
65 31.6 24.1 36.1

Manual Integrations

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#46

Dibromomethane

Concen: 20.51 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

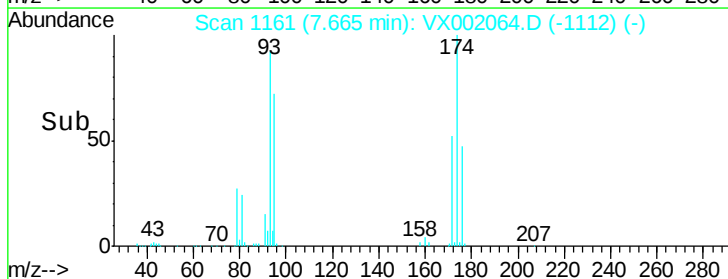
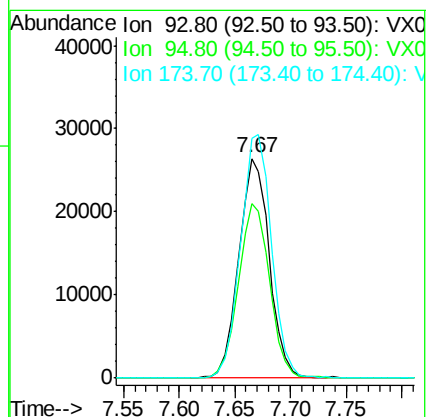
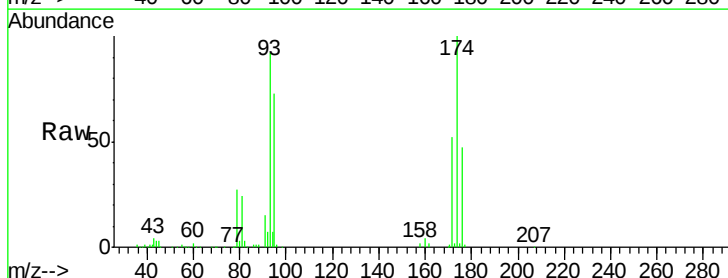
Tgt Ion: 93 Resp: 50154

Ion Ratio Lower Upper

93 100

95 81.2 66.1 99.1

174 113.0 92.5 138.7





#47

Bromodichloromethane

Concen: 18.43 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

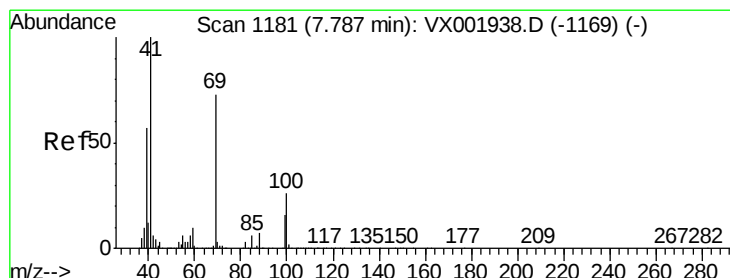
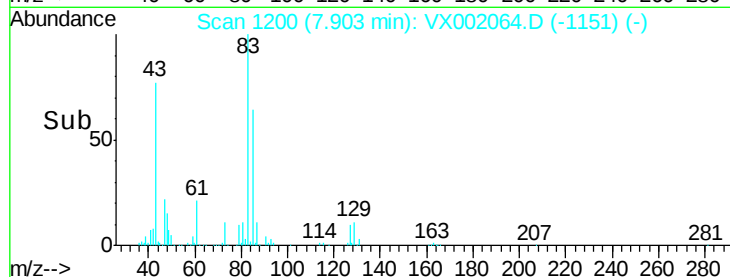
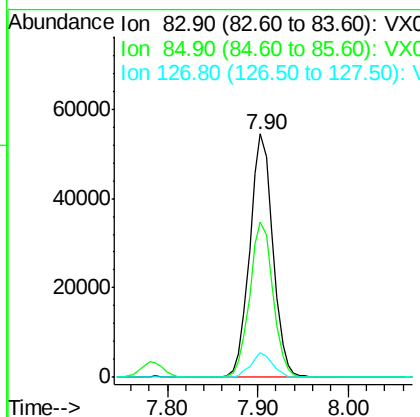
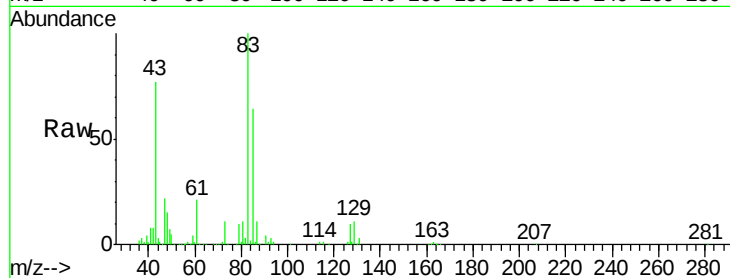
ClientSampleId :

VX0527WBSD01

Tot Ion:	83	Resp:	96077
Ion Ratio	Lower	Upper	
83	100		
85	63.7	51.4	77.2
127	9.9	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.37 ug/l

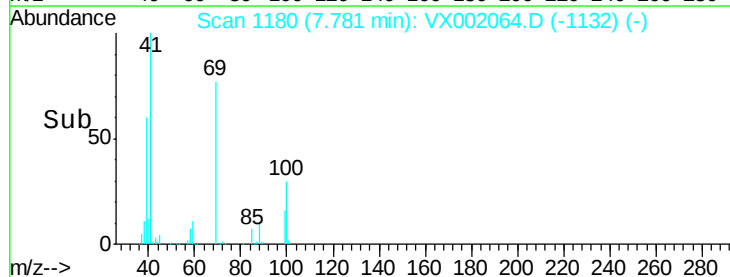
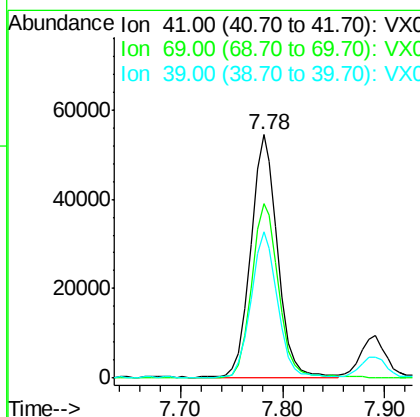
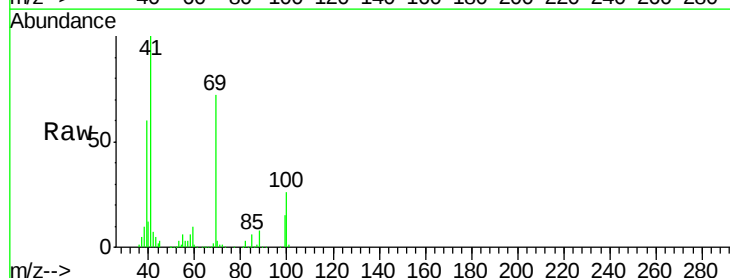
RT: 7.78 min Scan# 1180

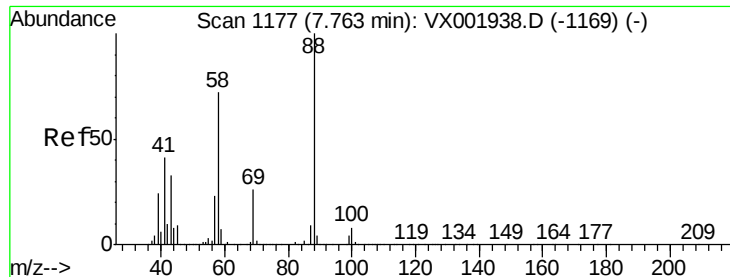
Delta R.T. -0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Tgt Ion:	41	Resp:	99427
Ion Ratio	Lower	Upper	
41	100		
69	73.4	58.6	87.8
39	59.4	46.3	69.5





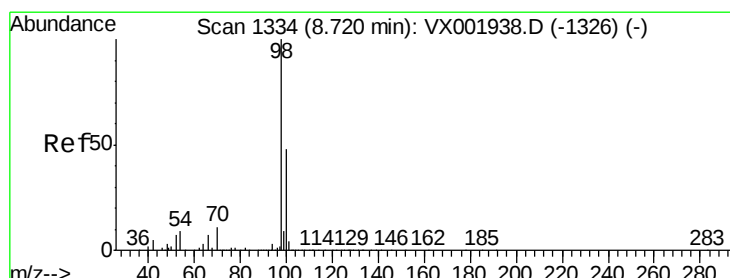
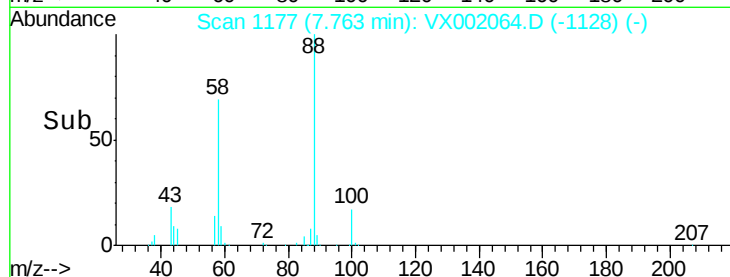
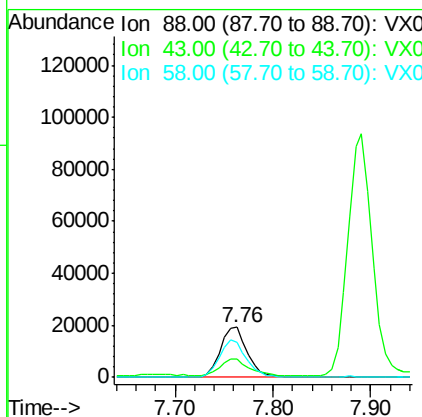
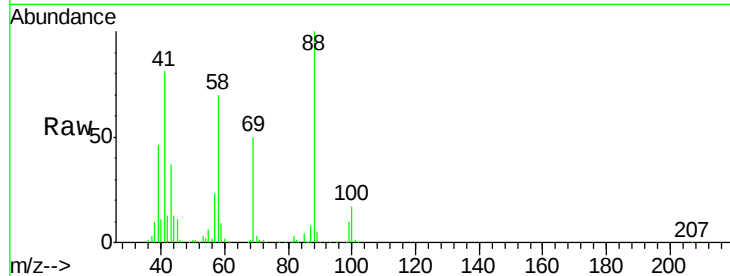
#49
1,4-Dioxane
Concen: 406.29 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.7	29.8	44.8
58	75.1	58.7	88.1

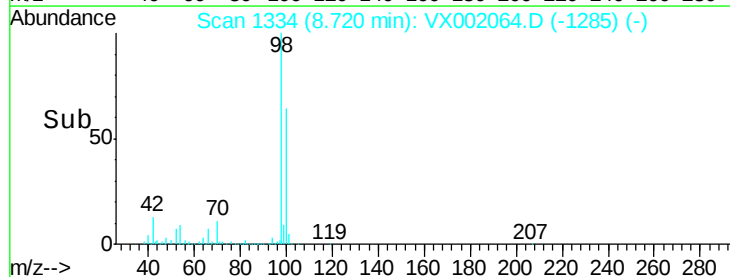
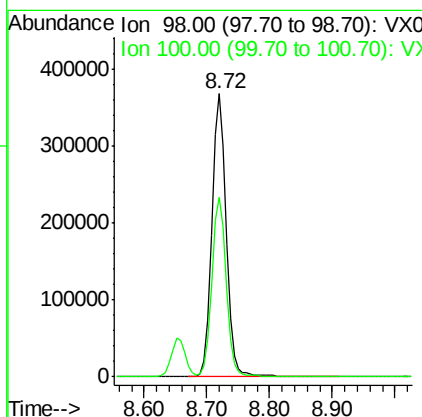
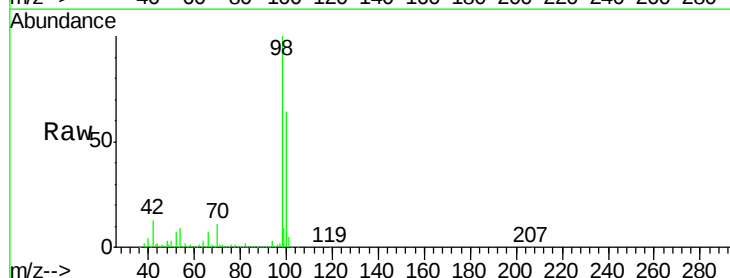
Manual Integrations
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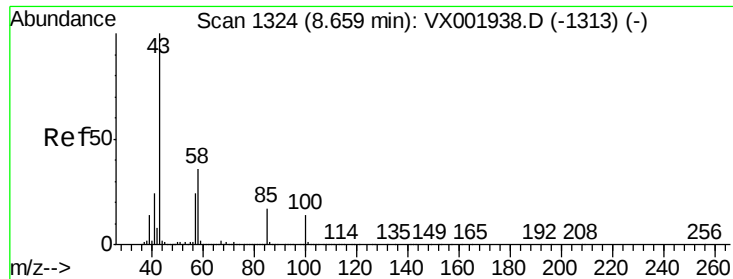
MMDadoda
5/30/2018 1:50:35 PM



#50
Toluene-d8
Concen: 47.95 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 100.27 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBSD01

Tot Ion: 43 Resp: 609505

Ion Ratio Lower Upper

43 100

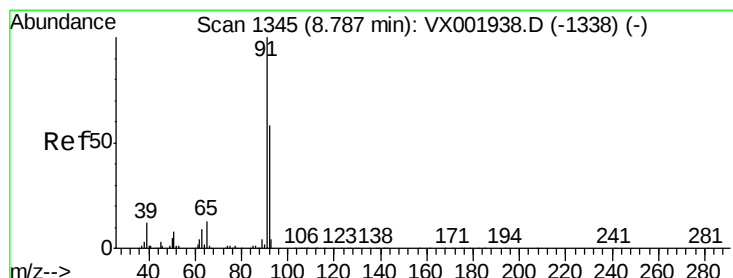
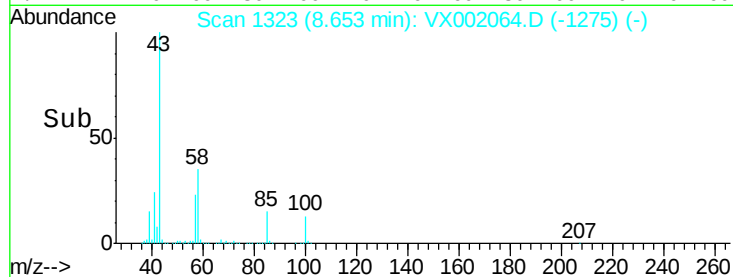
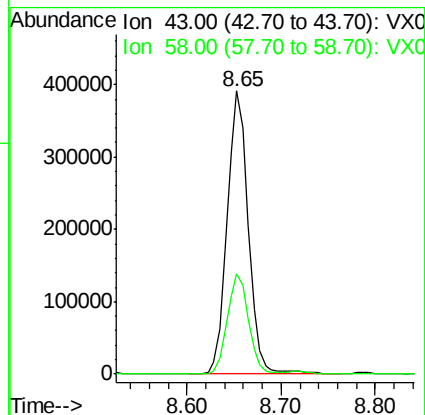
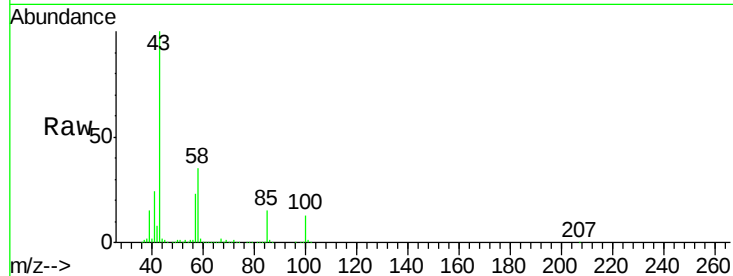
58 35.1 28.5 42.7

Manual Integrations

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#52

Toluene

Concen: 19.80 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002064.D

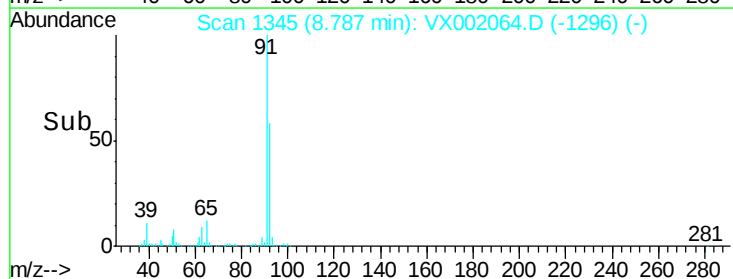
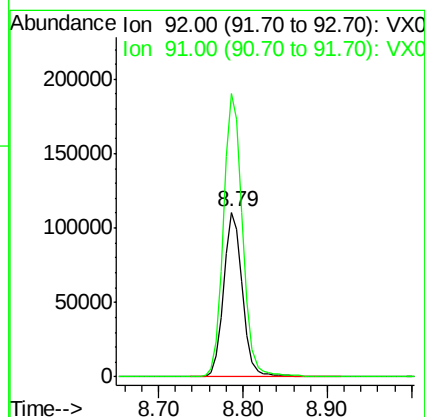
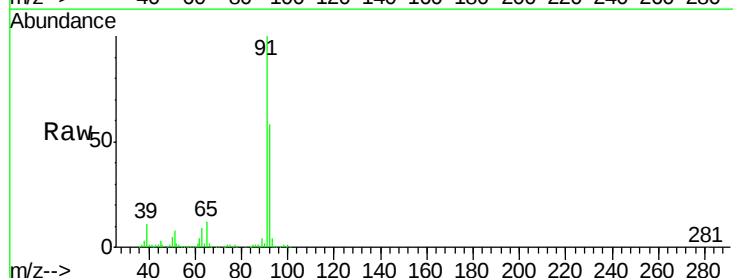
Acq: 27 May 2018 13:19

Tgt Ion: 92 Resp: 171333

Ion Ratio Lower Upper

92 100

91 174.7 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 19.27 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBSD01

Tot Ion: 75 Resp: 115706

Ion Ratio Lower Upper

75 100

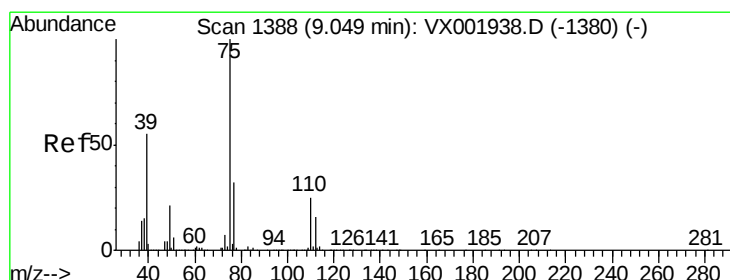
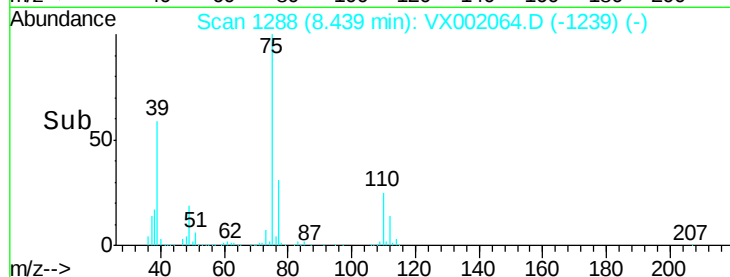
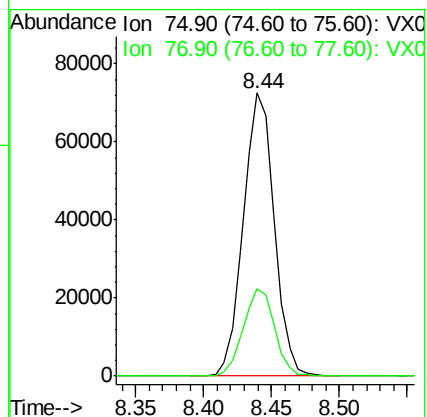
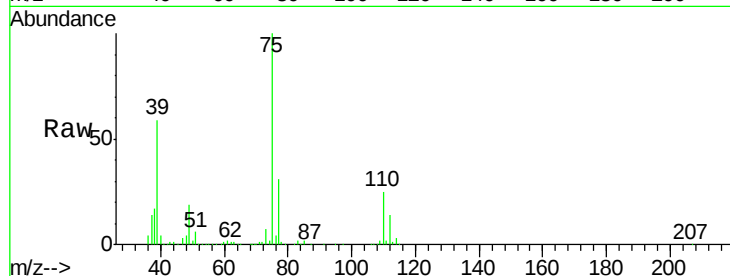
77 30.7 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.70 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

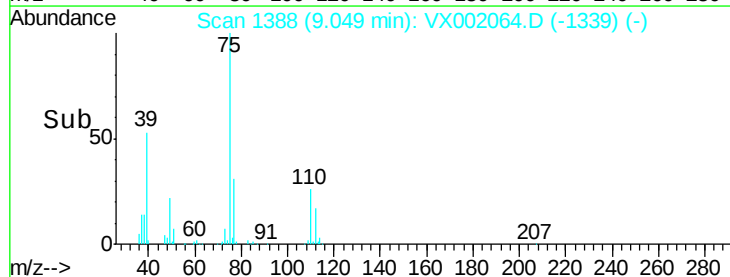
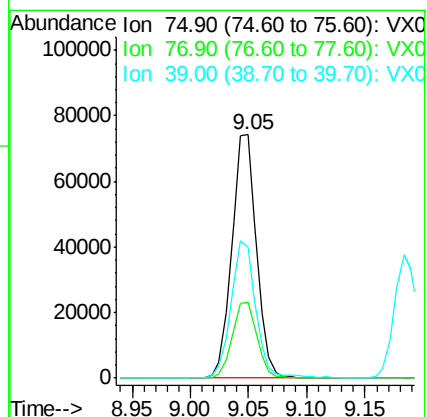
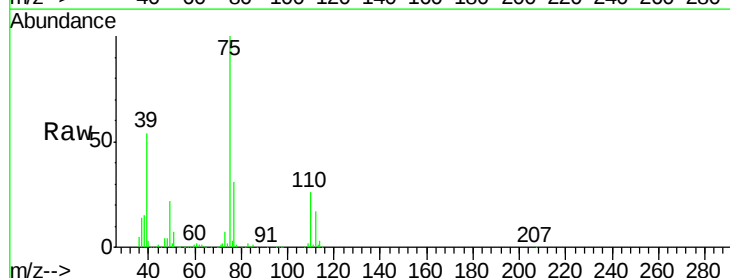
Tgt Ion: 75 Resp: 109449

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

39 53.6 44.1 66.1





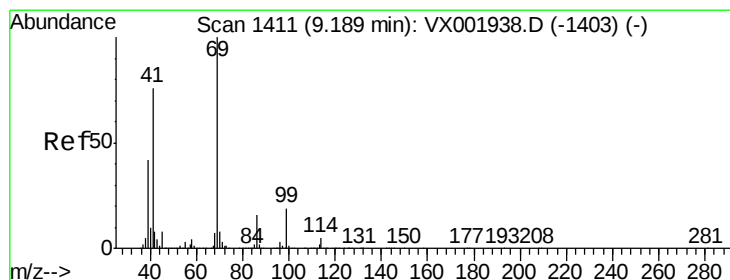
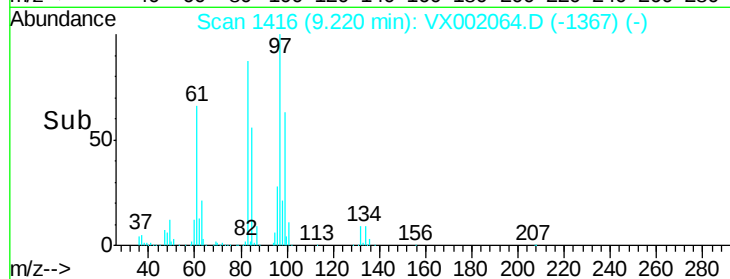
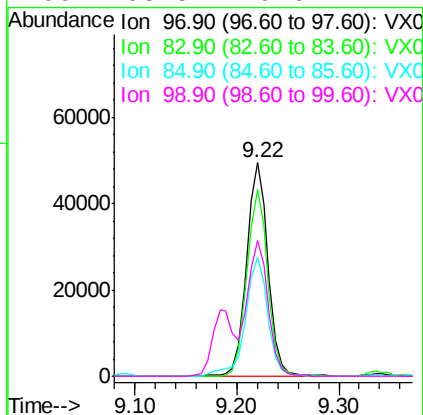
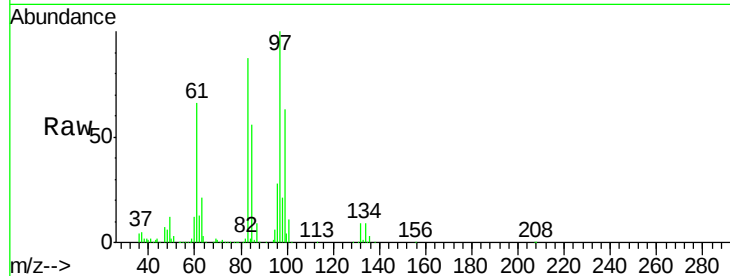
#55
 1,1,2-Trichloroethane
 Concen: 19.87 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002064.D
 Acq: 27 May 2018 13:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBSD01

Tot Ion:	97	Resp:	71861
Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.1	103.7
85	55.8	45.2	67.8
99	63.5	49.6	74.4

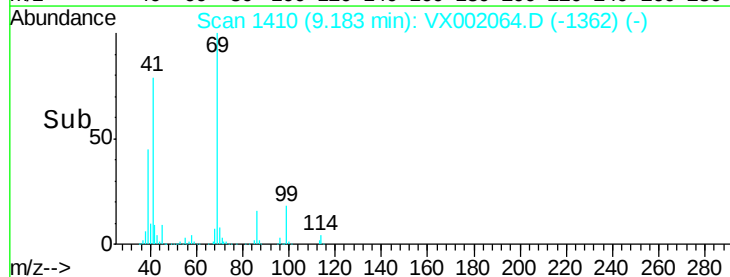
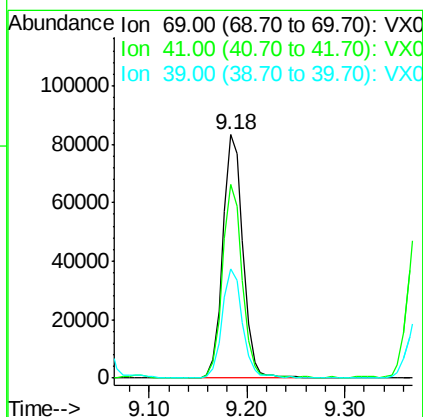
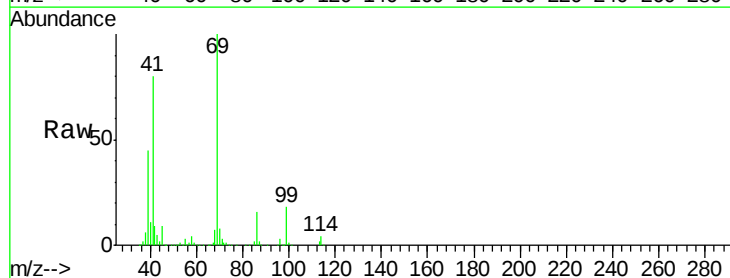
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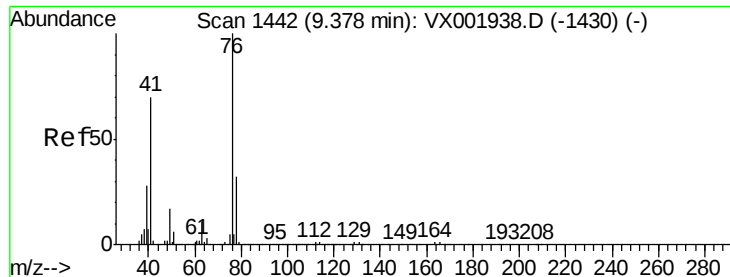
MMDadoda
 5/30/2018 1:50:35 PM



#56
 Ethyl methacrylate
 Concen: 19.15 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: VX002064.D
 Acq: 27 May 2018 13:19

Tgt Ion:	69	Resp:	119099
Ion	Ratio	Lower	Upper
69	100		
41	77.6	61.0	91.6
39	44.0	34.4	51.6





#57

1,3-Dichloropropane

Concen: 20.43 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBSD01

Tot Ion: 76 Resp: 121695

Ion Ratio Lower Upper

76 100

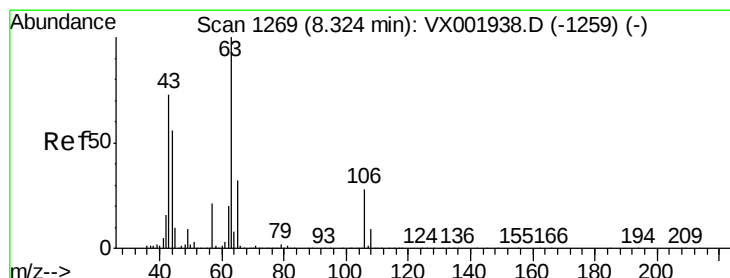
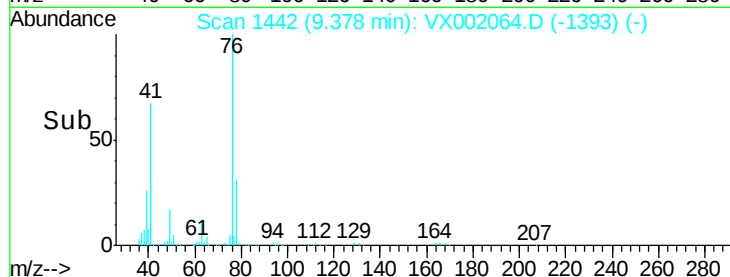
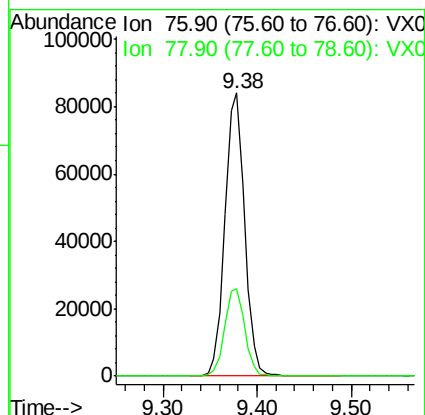
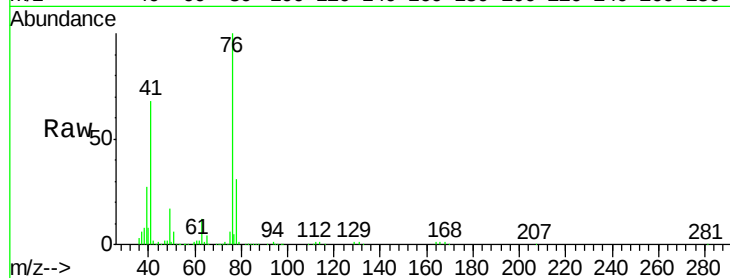
78 31.8 25.6 38.4

Manual Integrations

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5/30/2018 1:50:35 PM



#58

2-Chloroethyl Vinyl ether

Concen: 106.54 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX002064.D

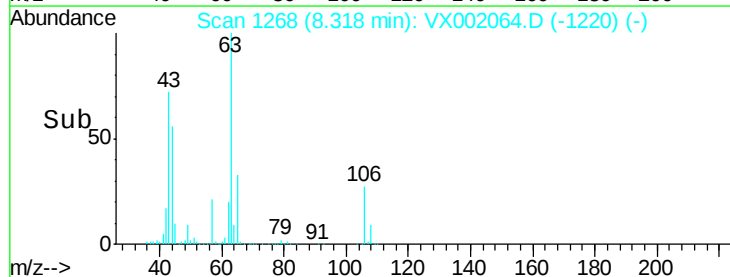
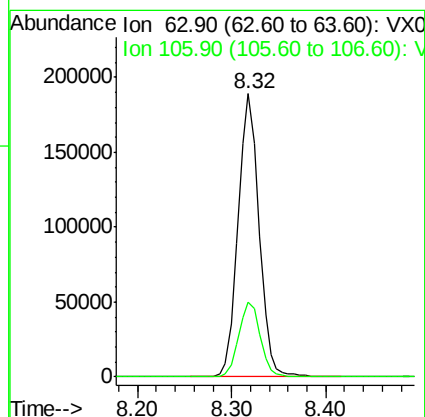
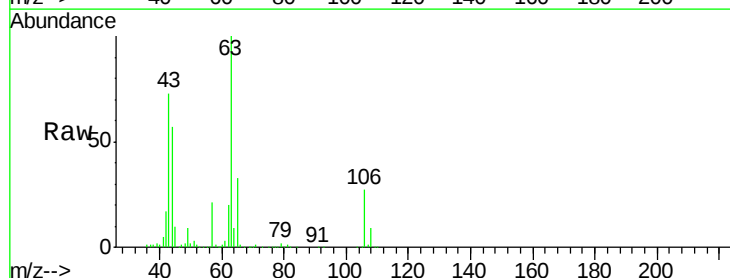
Acq: 27 May 2018 13:19

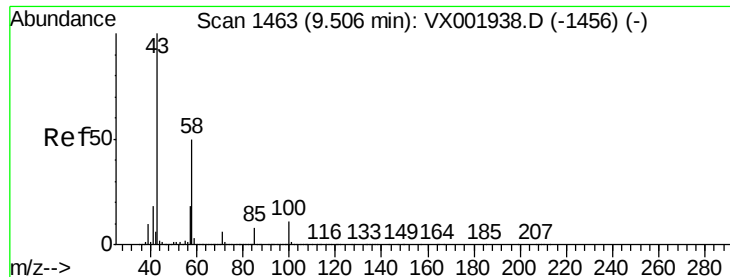
Tgt Ion: 63 Resp: 293669

Ion Ratio Lower Upper

63 100

106 27.3 21.7 32.5





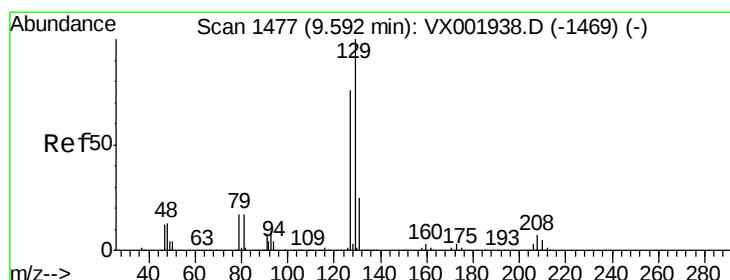
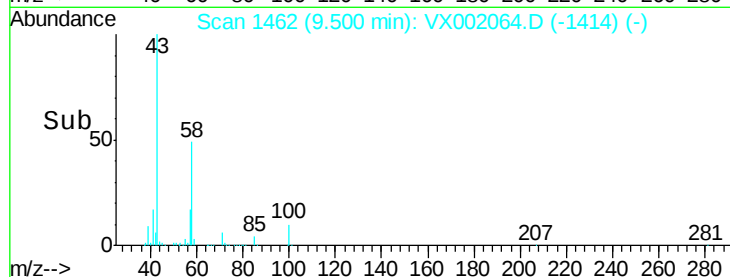
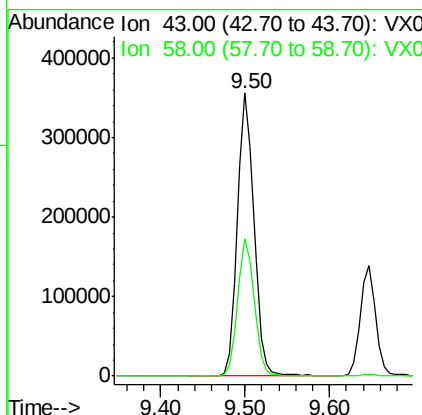
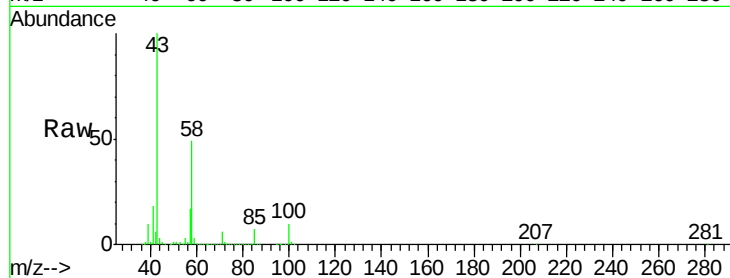
#59
2-Hexanone
Concen: 100.38 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBSD01

Tot Ion: 43 Resp: 470506
Ion Ratio Lower Upper
43 100
58 48.8 24.9 74.6

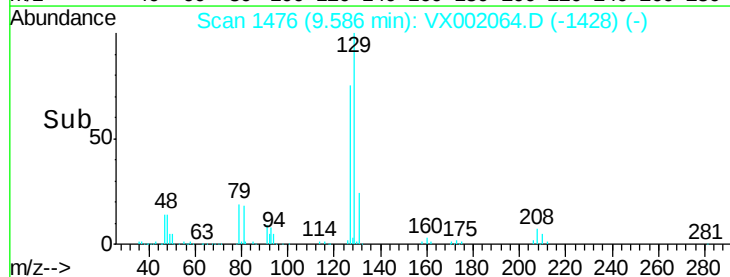
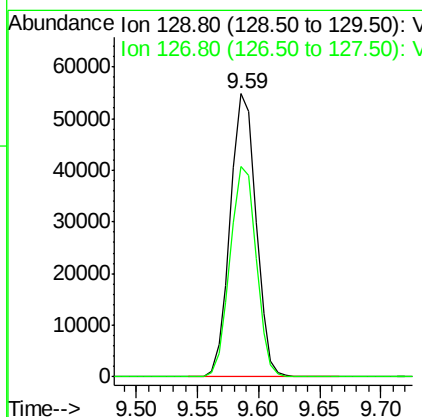
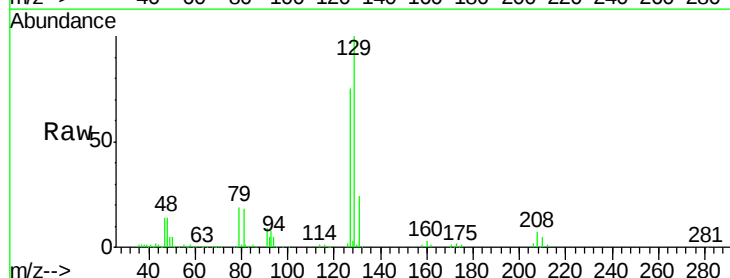
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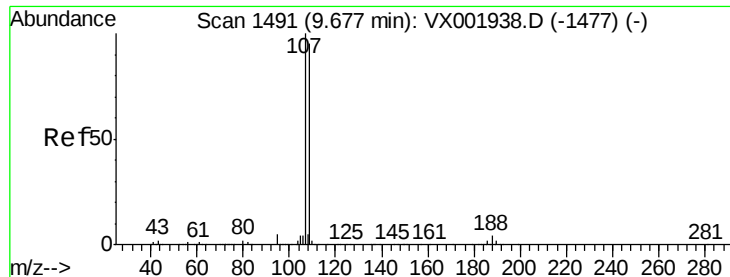
MMDadoda
5/30/2018 1:50:35 PM



#60
Dibromochloromethane
Concen: 18.67 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion: 129 Resp: 79939
Ion Ratio Lower Upper
129 100
127 75.4 38.3 114.9





#61

1,2-Dibromoethane

Concen: 20.04 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBSD01

Tot Ion:107 Resp: 76020

Ion Ratio Lower Upper

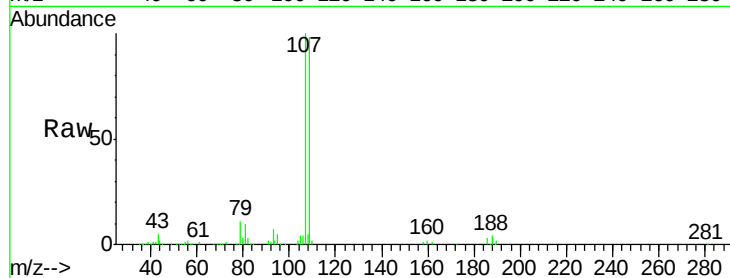
107 100

109 94.1 75.3 112.9

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5/30/2018 1:50:35 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

60000

50000

40000

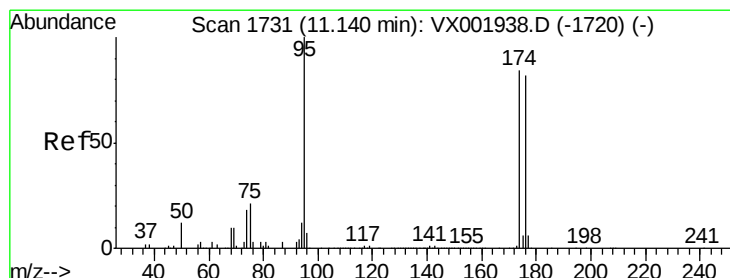
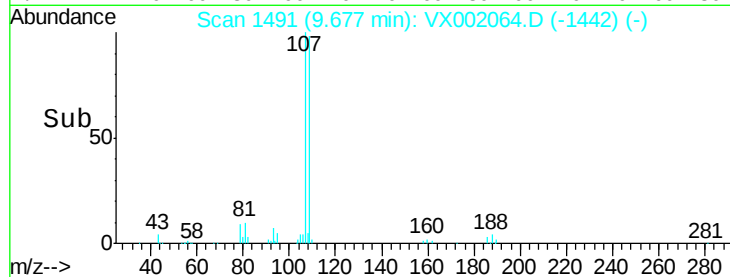
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.96 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

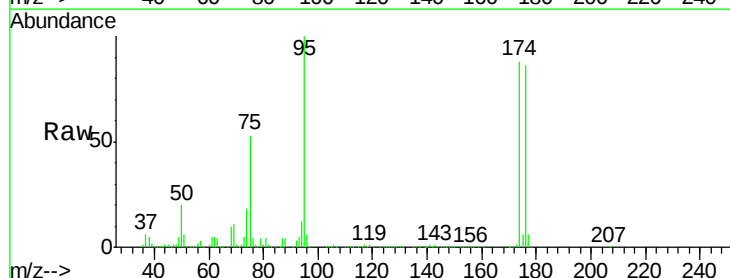
Tgt Ion: 95 Resp: 221996

Ion Ratio Lower Upper

95 100

174 93.5 0.0 178.8

176 90.9 0.0 175.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

250000

200000

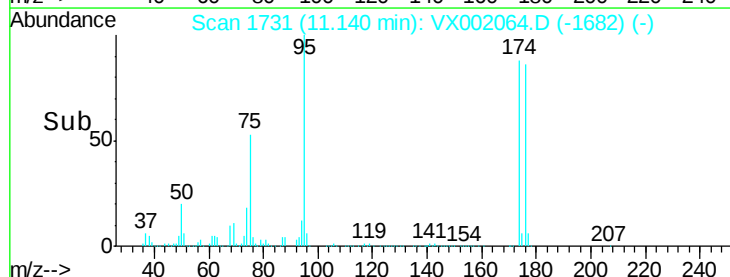
150000

100000

50000

0

Time-->





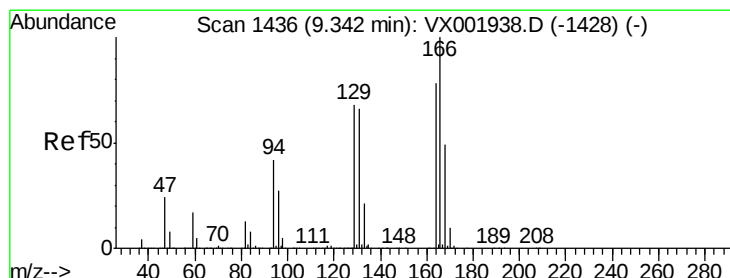
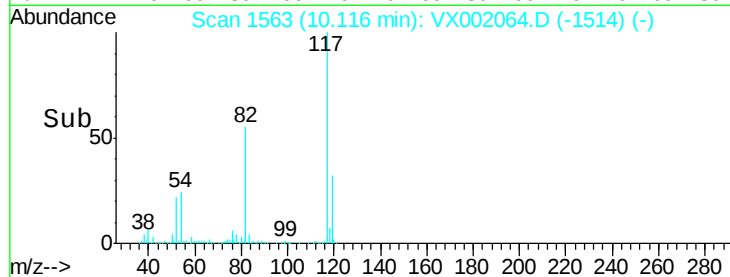
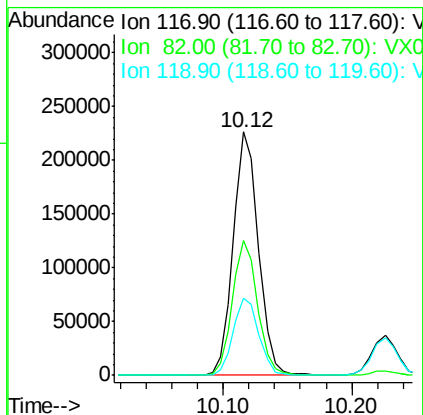
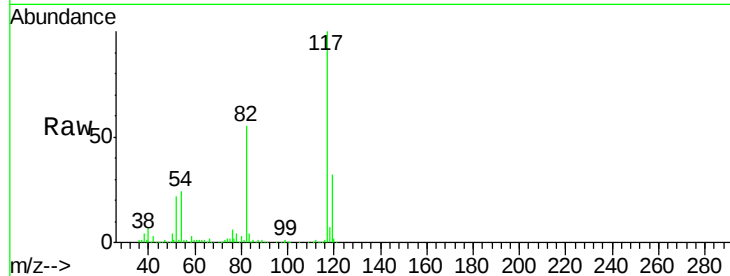
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBSD01

Tot Ion:	117	Resp:	311306
Ion Ratio	Lower	Upper	
117	100		
82	55.3	44.8	67.2
119	31.8	25.5	38.3

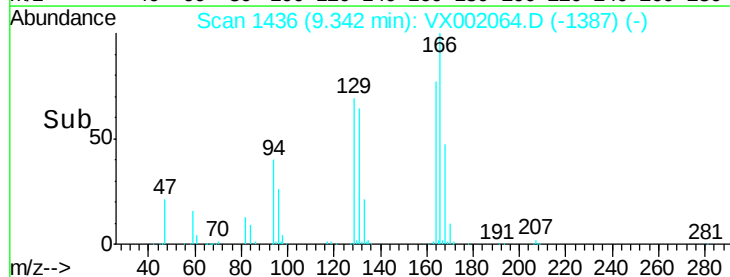
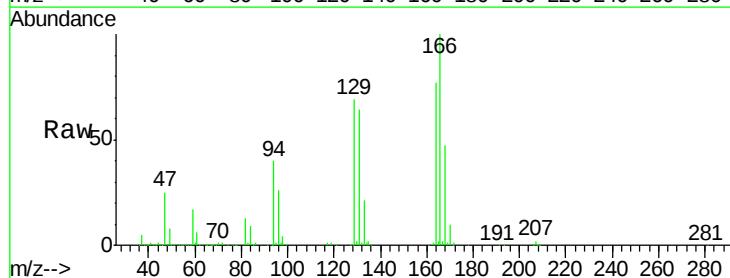
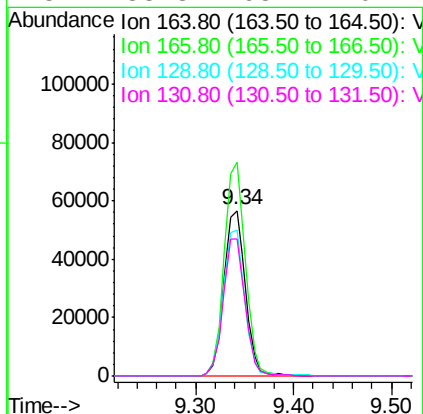
Manual Integrations
APPROVED

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#64
Tetrachloroethene
Concen: 19.38 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion:	164	Resp:	86505
Ion Ratio	Lower	Upper	
164	100		
166	129.3	102.7	154.1
129	88.7	70.3	105.5
131	83.3	68.2	102.4





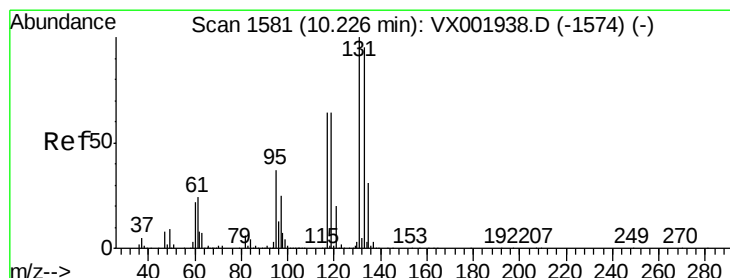
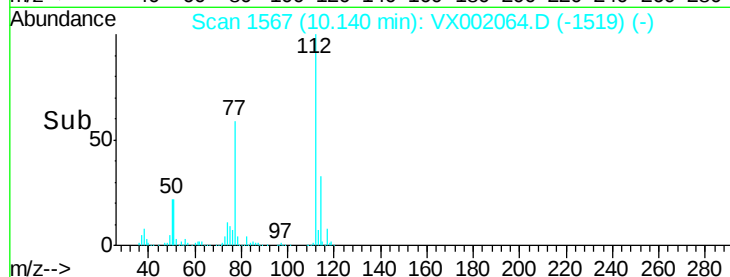
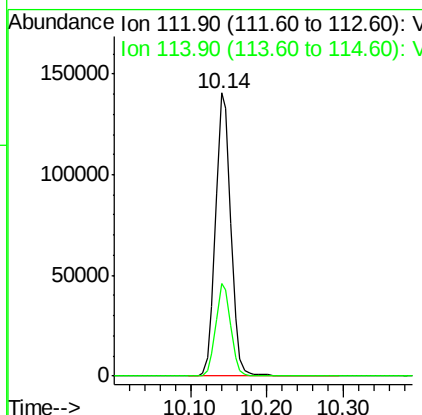
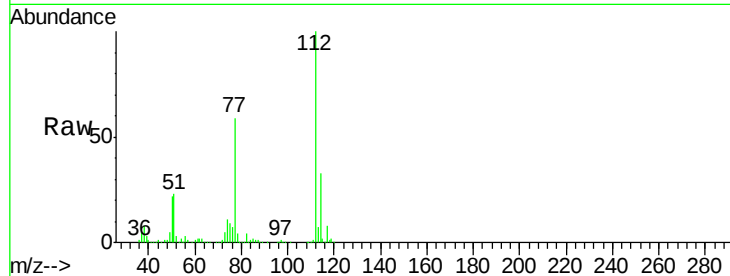
#65
Chlorobenzene
Concen: 19.74 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.9	38.9

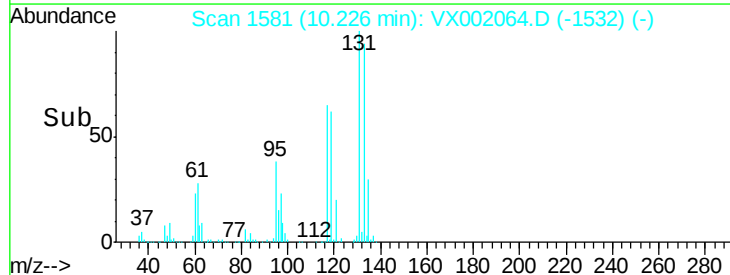
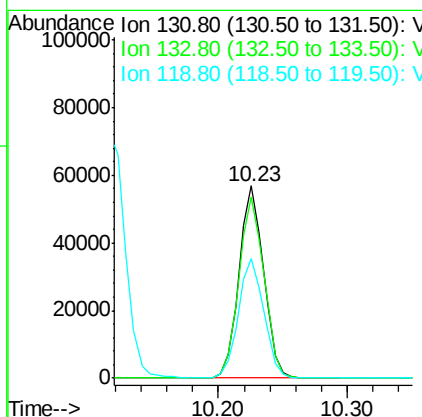
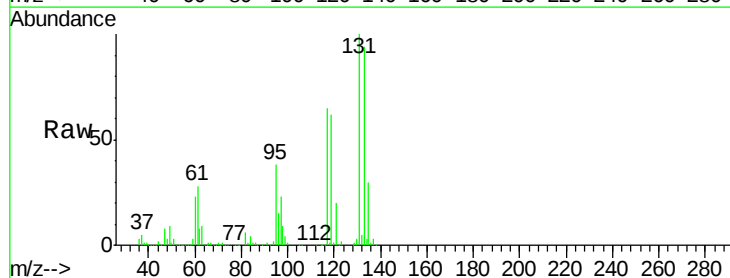
Manual Integrations
APPROVED

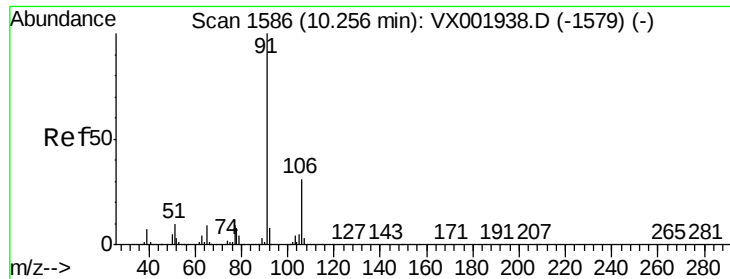
MMDadoda
5/30/2018 1:50:35 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.84 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.0	144.0
119	64.3	31.9	95.5





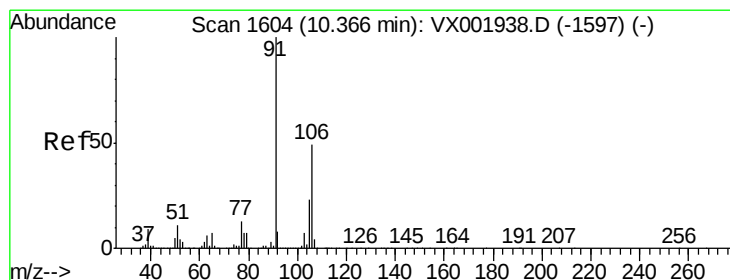
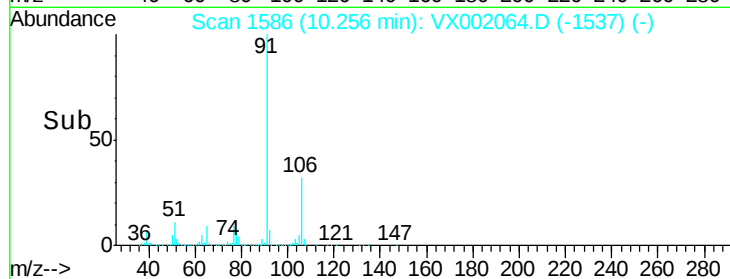
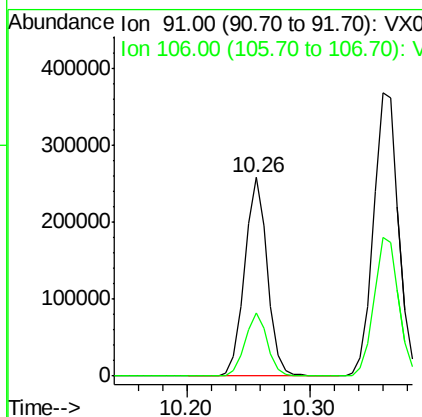
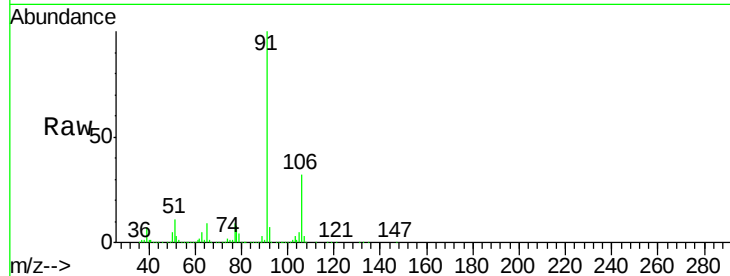
#67
Ethyl Benzene
Concen: 19.31 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.0	37.6

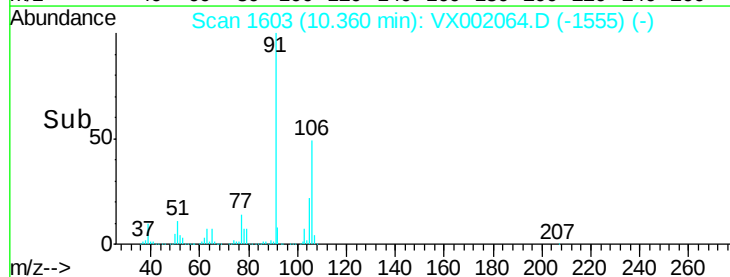
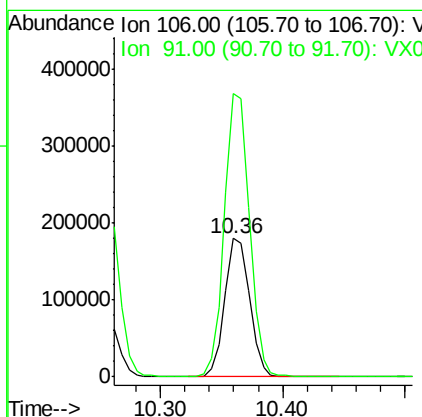
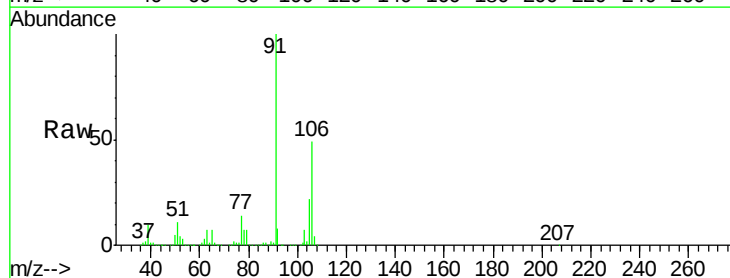
Manual Integrations
APPROVED

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#68
m/p-Xylenes
Concen: 38.75 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion	Ratio	Lower	Upper
106	100		
91	205.9	165.0	247.6





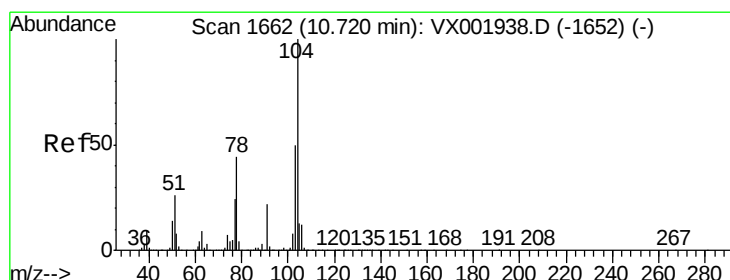
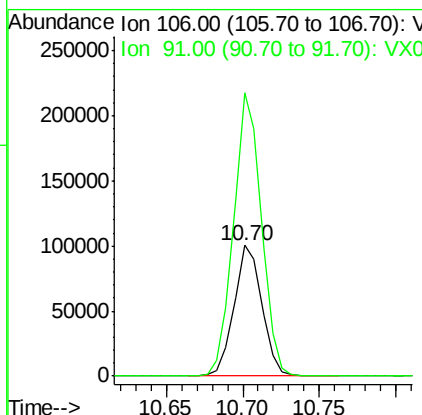
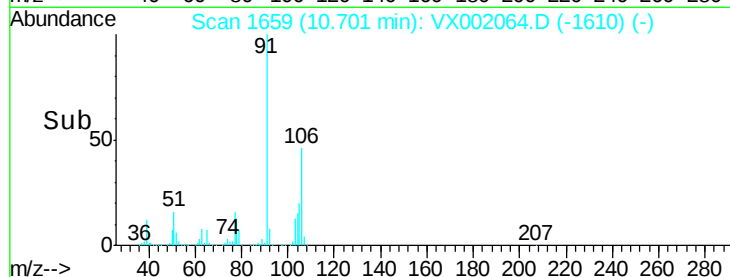
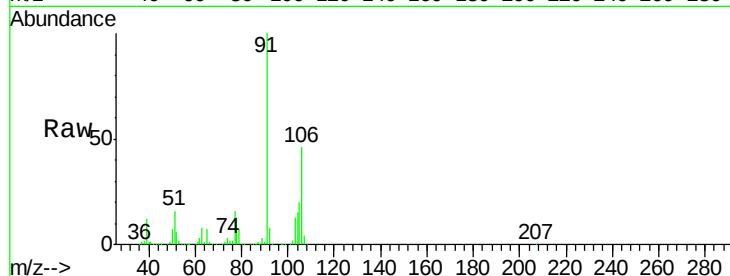
#69
o-Xylene
Concen: 19.39 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.6	108.7	325.9

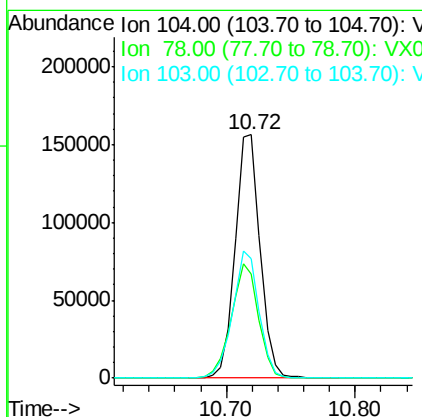
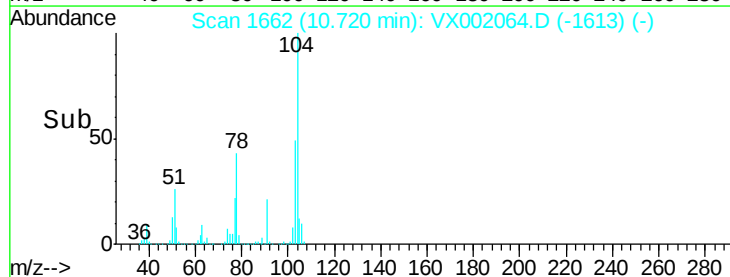
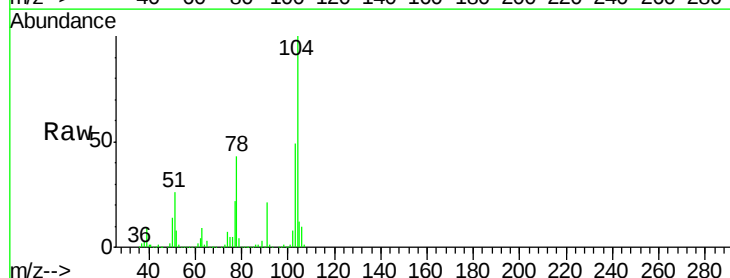
Manual Integrations
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#70
Styrene
Concen: 19.50 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.2	41.8	62.6
103	55.2	44.6	67.0





#71

Bromoform

Concen: 16.71 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBSD01

Tot Ion:173 Resp: 63095

Ion Ratio Lower Upper

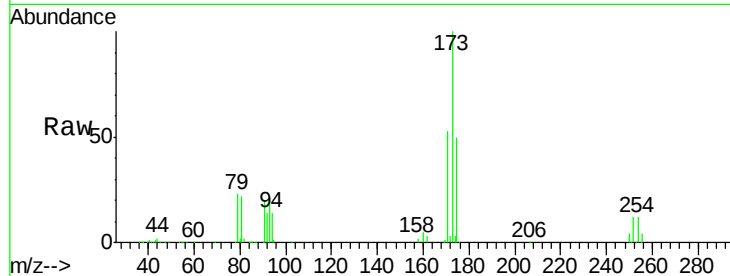
173 100

175 50.1 24.3 72.9

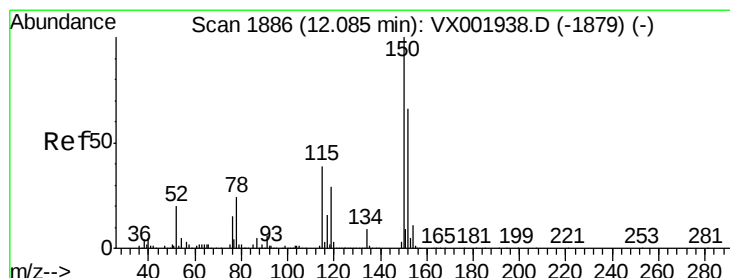
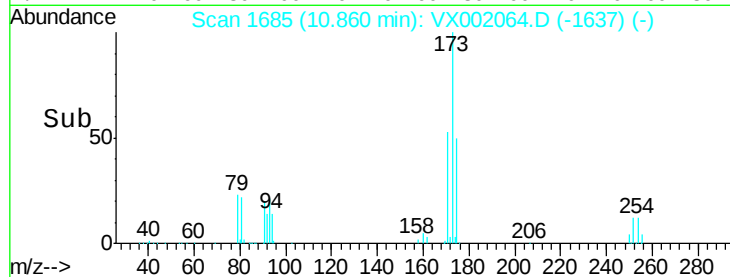
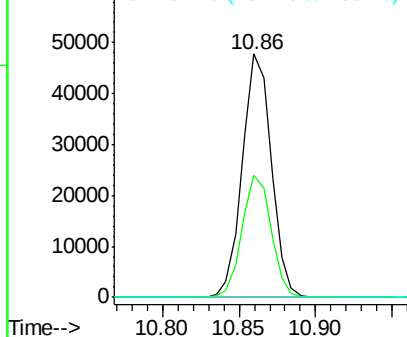
254 0.1 0.1 0.1

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

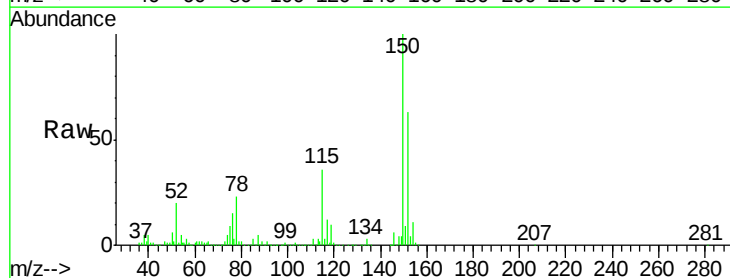
Tgt Ion:152 Resp: 203988

Ion Ratio Lower Upper

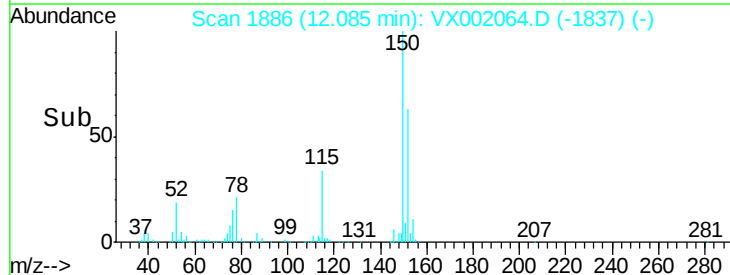
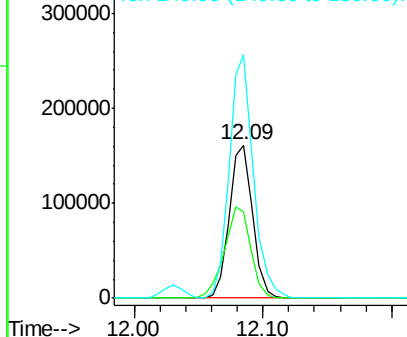
152 100

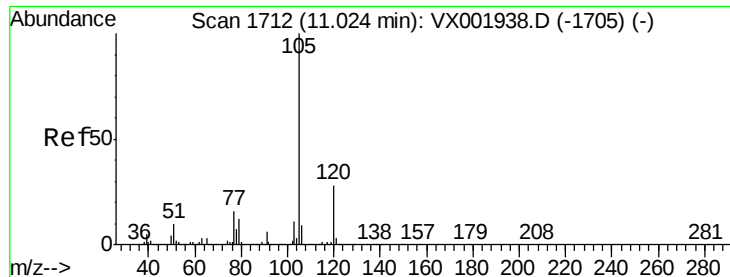
115 67.8 42.3 126.8

150 164.8 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.67 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBSD01

Tot Ion:105 Resp: 339748

Ion Ratio Lower Upper

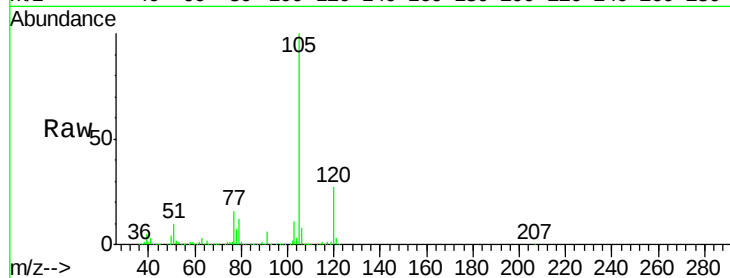
105 100

120 27.0 13.6 40.7

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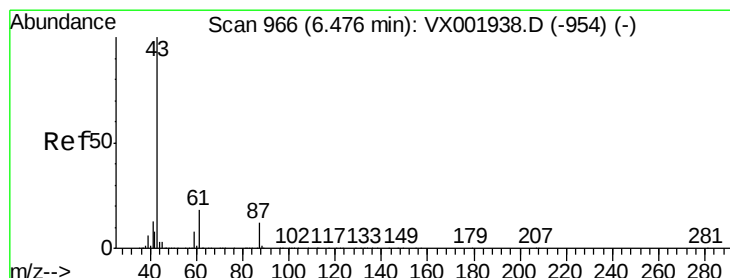
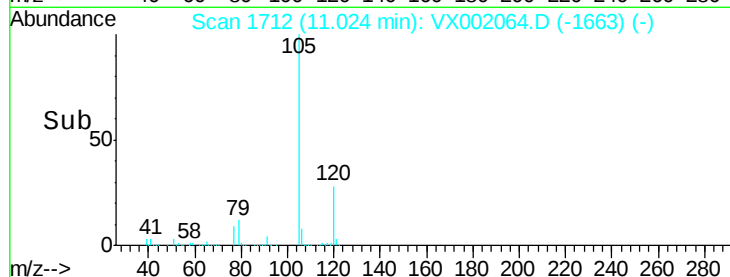
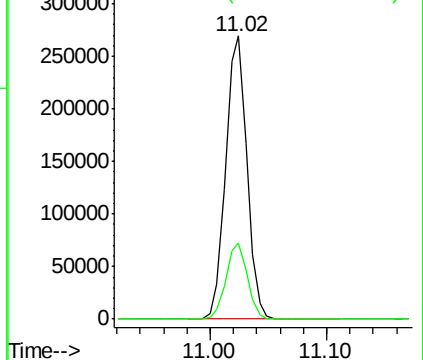
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.76 ug/l

RT: 6.47 min Scan# 966

Delta R.T. -0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Tgt Ion: 43 Resp: 194144

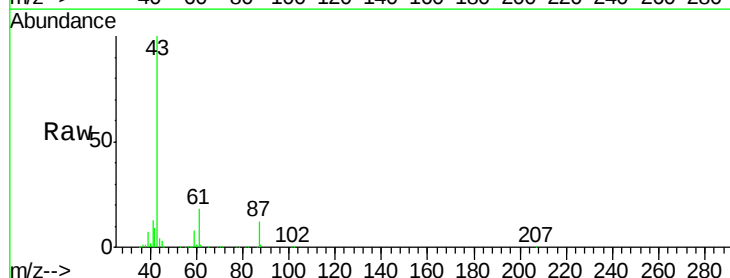
Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 0.1 0.1 0.1#

61 17.8 14.5 21.7

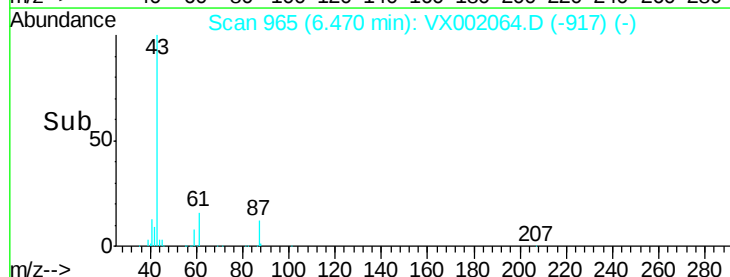
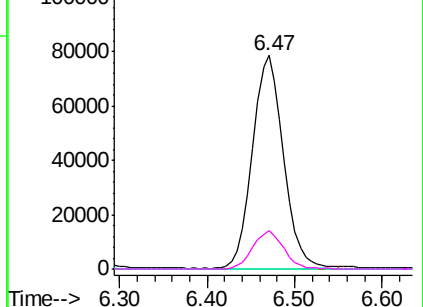


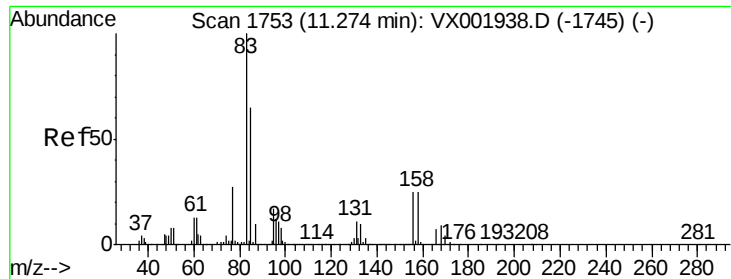
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.44 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

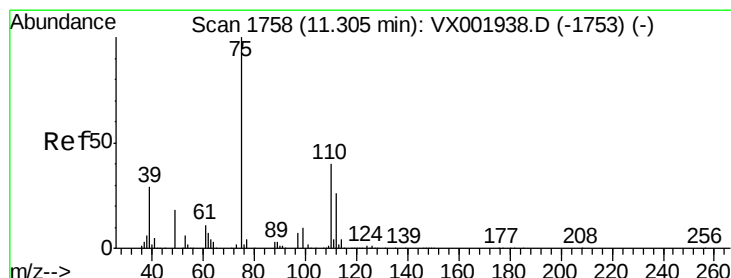
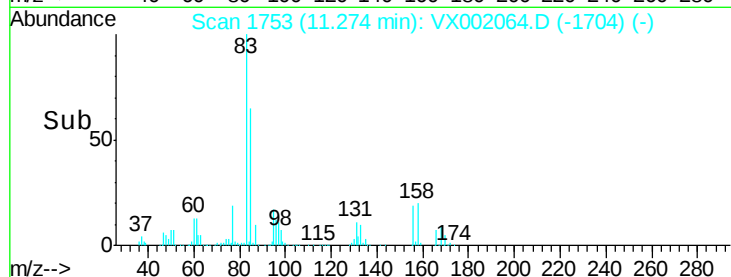
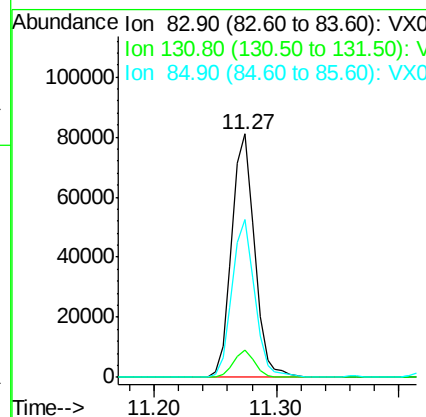
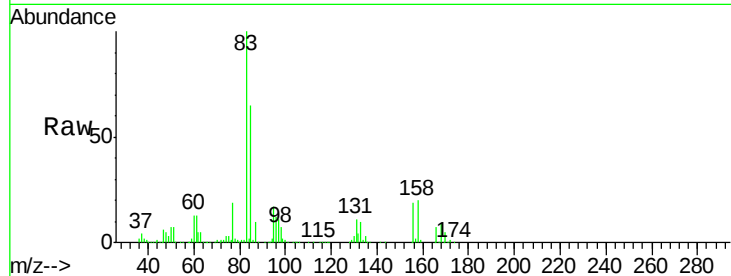
ClientSampled :

VX0527WBSD01

Tot Ion:	83	Resp:	104704
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.7	17.0
85	64.5	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.55 ug/l m

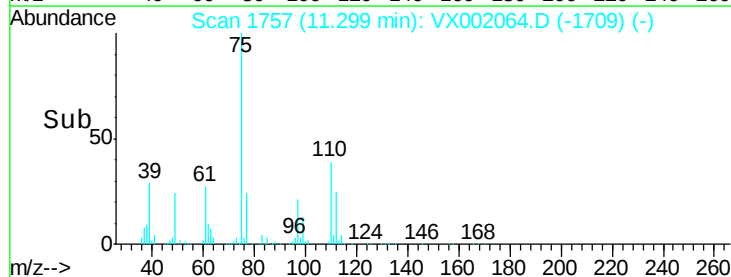
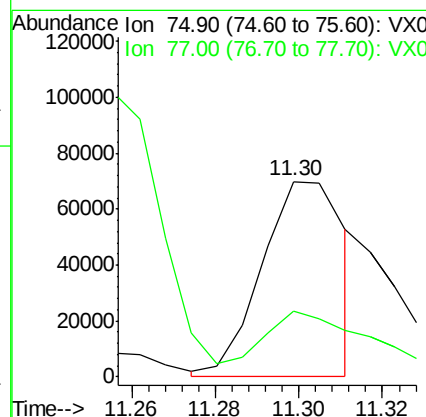
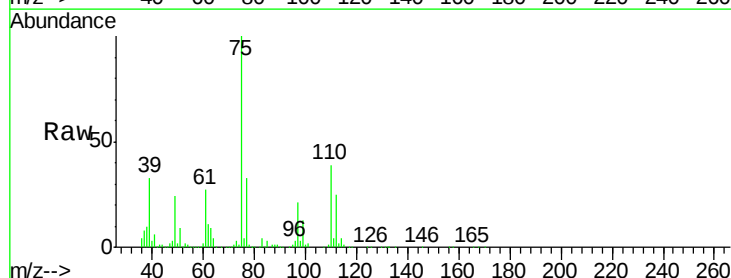
RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Tgt Ion:	75	Resp:	95780
Ion Ratio	Lower	Upper	
75	100		
77	44.6	22.8	68.3





#77

Bromobenzene

Concen: 19.76 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBSD01

Tot Ion:156 Resp: 90558

Ion Ratio Lower Upper

156 100

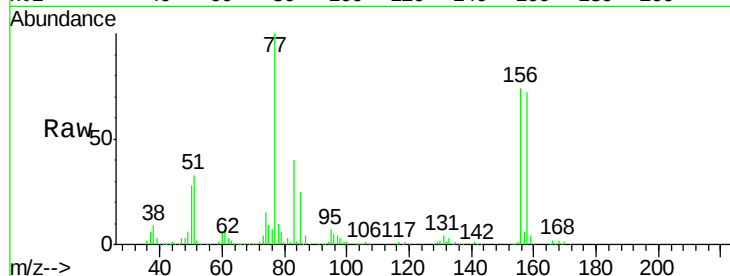
77 146.0 75.2 225.6

158 99.3 48.6 145.8

Manual Integrations
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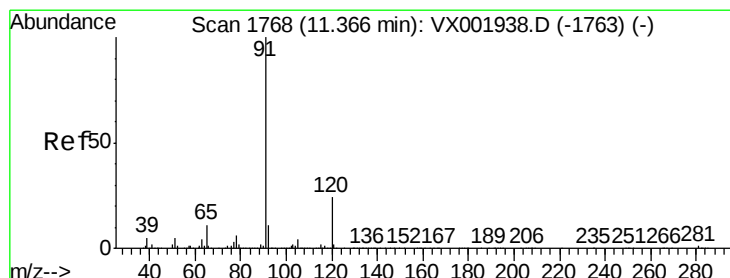
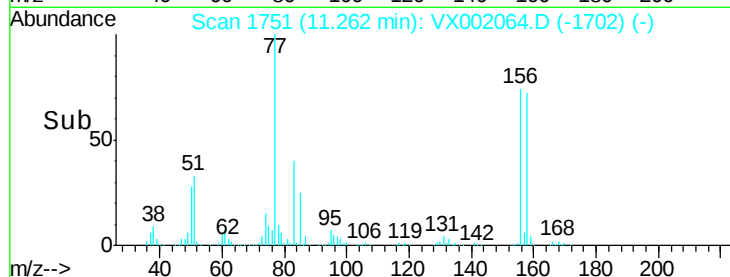
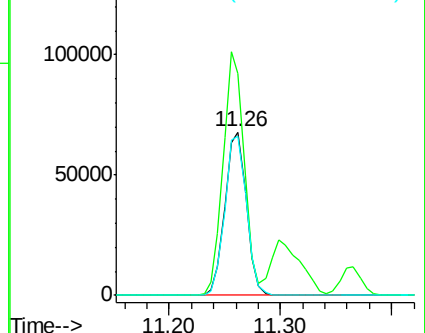
5/30/2018 1:50:35 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.56 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002064.D

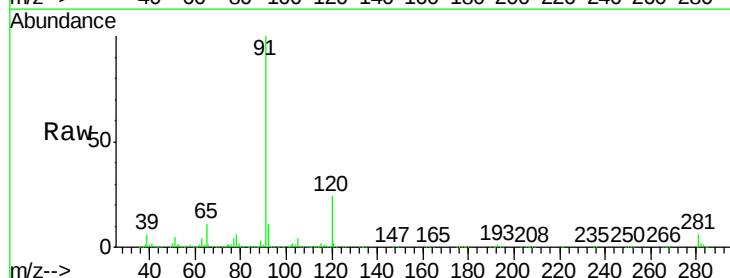
Acq: 27 May 2018 13:19

Tgt Ion: 91 Resp: 378492

Ion Ratio Lower Upper

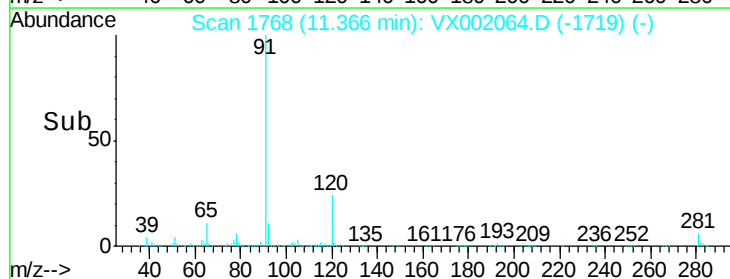
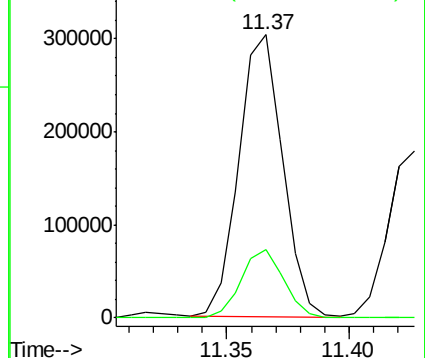
91 100

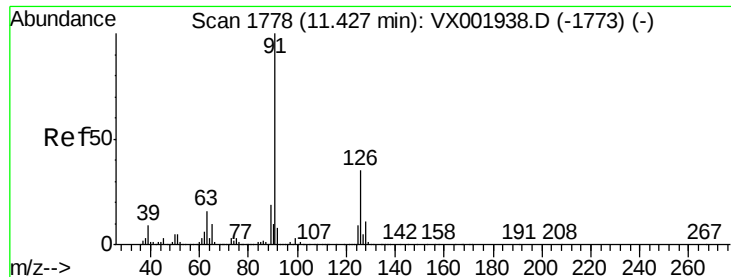
120 23.6 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.44 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBSD01

Tot Ion: 91 Resp: 231346

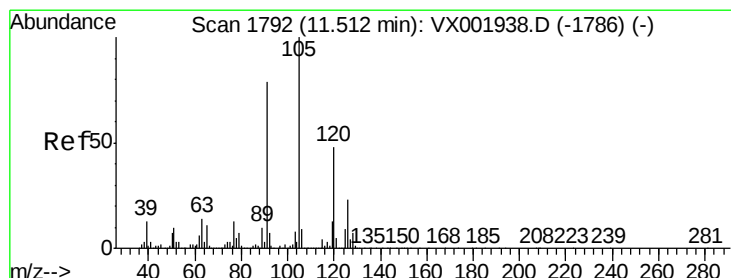
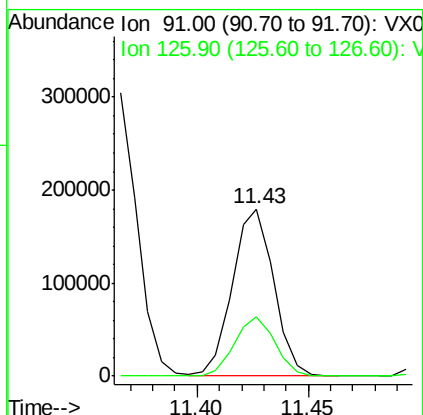
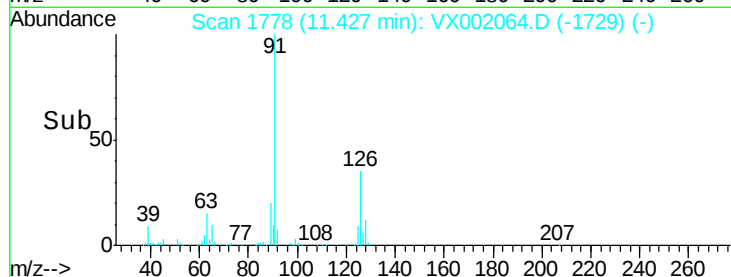
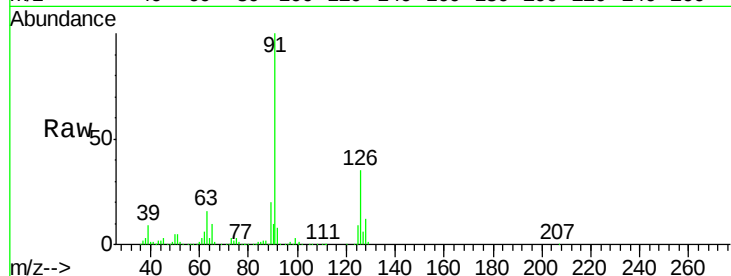
Ion Ratio Lower Upper

91 100

126 34.6 17.4 52.2

Manual Integrations
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5/30/2018 1:50:35 PM



#80

1,3,5-Trimethylbenzene

Concen: 19.42 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002064.D

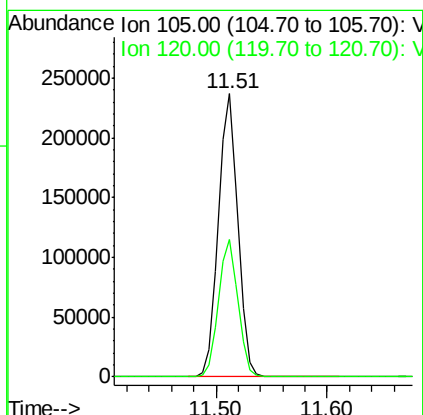
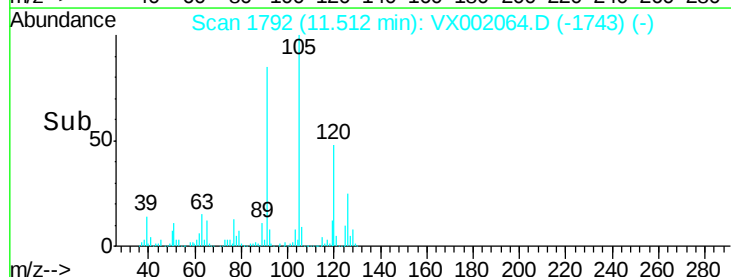
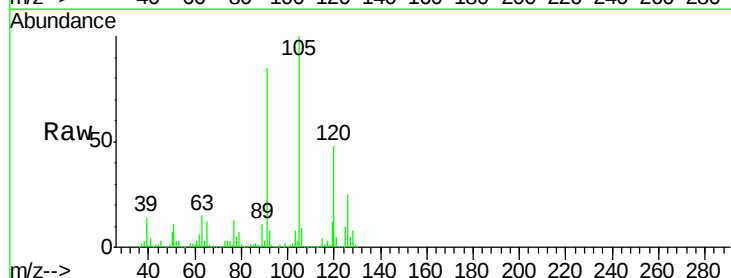
Acq: 27 May 2018 13:19

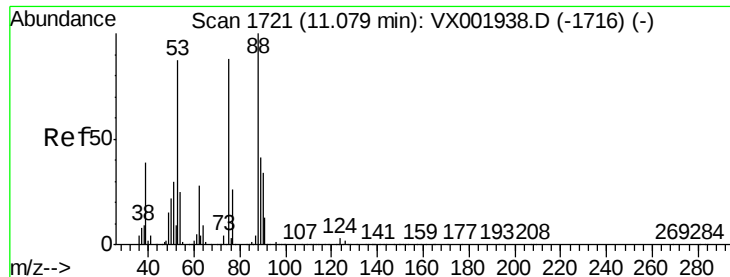
Tgt Ion: 105 Resp: 286713

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 16.78 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

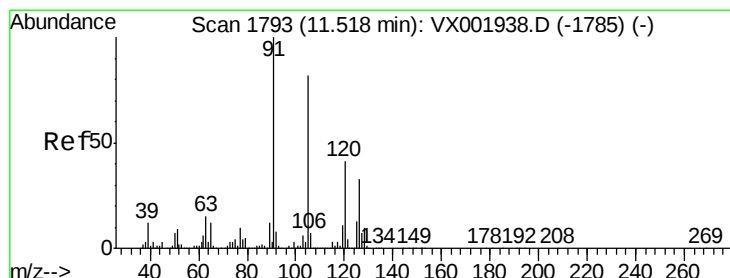
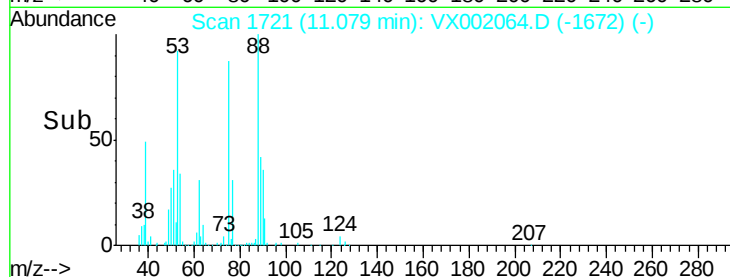
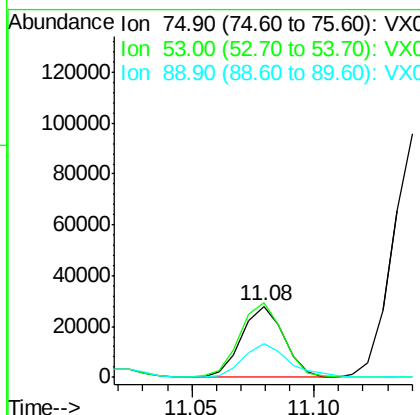
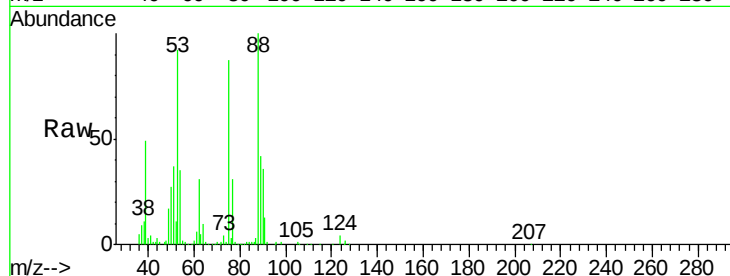
ClientSampleId :

VX0527WBSD01

Tot Ion:	75	Resp:	34213
Ion	Ratio	Lower	Upper
75	100		
53	107.6	78.0	117.0
89	51.4	39.4	59.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.40 ug/l

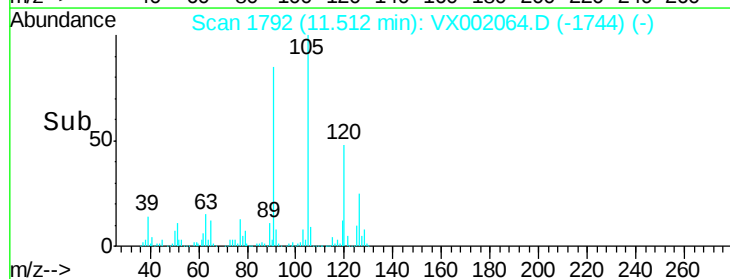
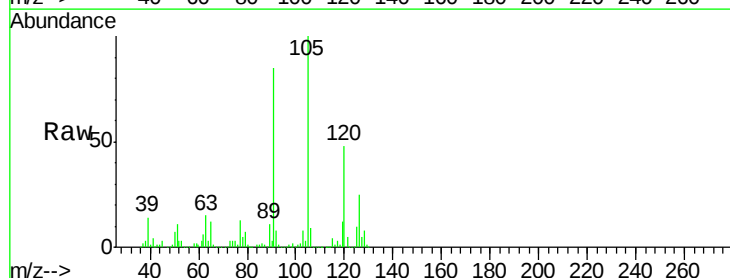
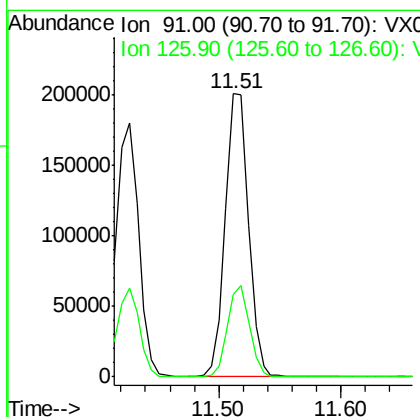
RT: 11.51 min Scan# 1792

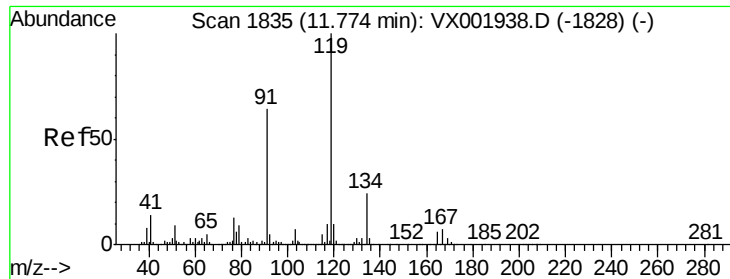
Delta R.T. -0.01 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Tgt Ion:	91	Resp:	264742
Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.3	45.8





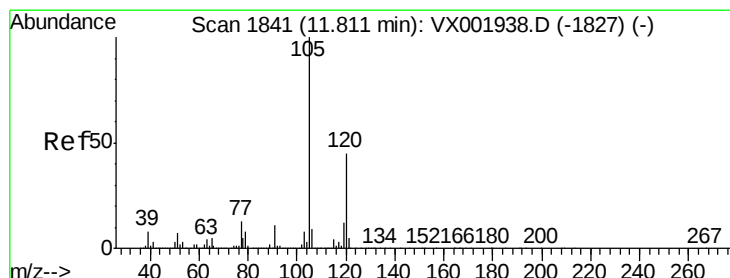
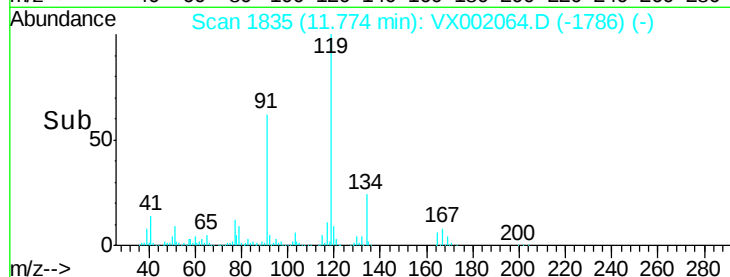
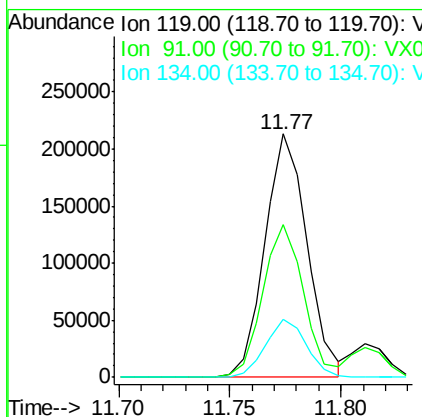
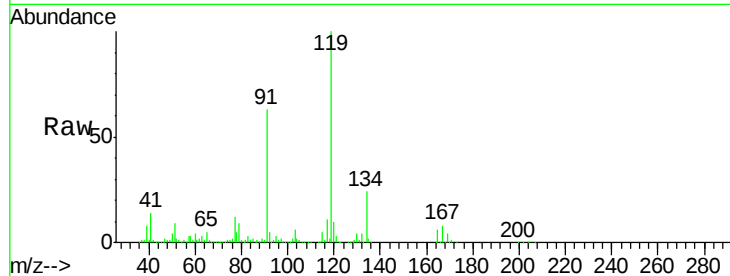
#83
tert-Butylbenzene
Concen: 19.33 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	280047		
91	61.1	30.6	91.8	
134	23.1	11.7	35.0	

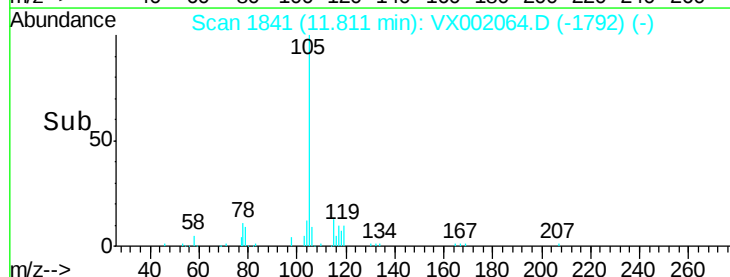
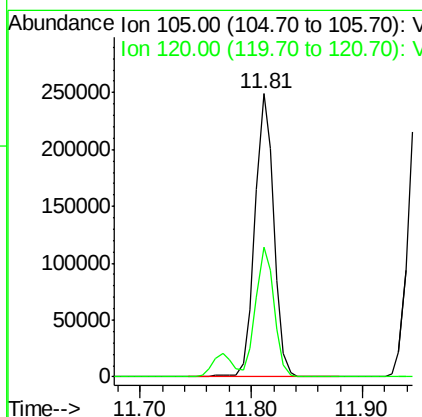
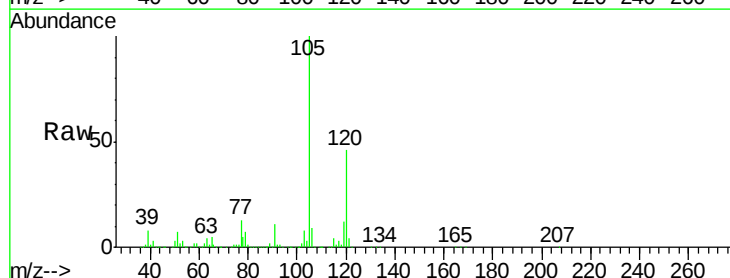
Manual Integrations
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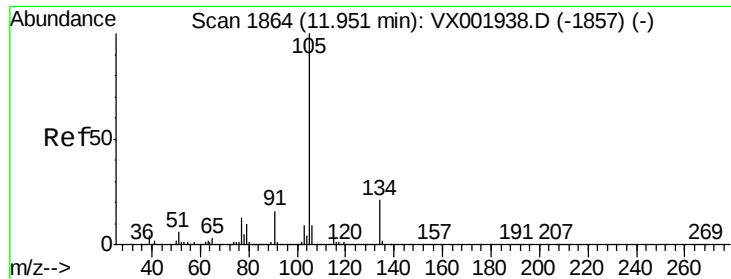
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.28 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	294064		
120	44.7	22.1	66.5	





#85

sec-Butylbenzene

Concen: 19.29 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

Instrument :

MSVOA_X

ClientSampleId :

VX0527WBSD01

Tot Ion:105 Resp: 335897

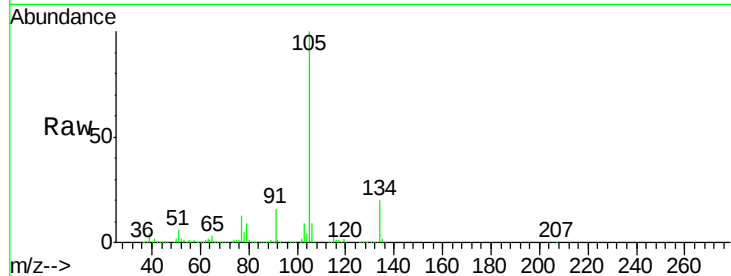
Ion Ratio Lower Upper

105 100

134 20.6 10.4 31.4

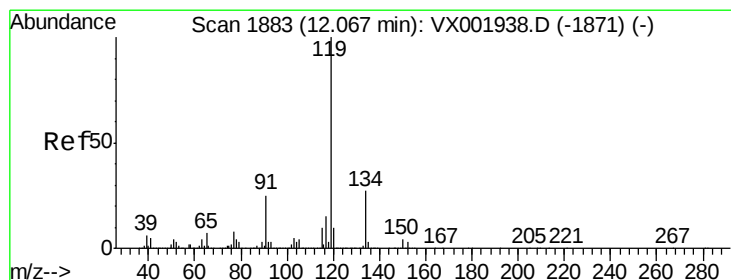
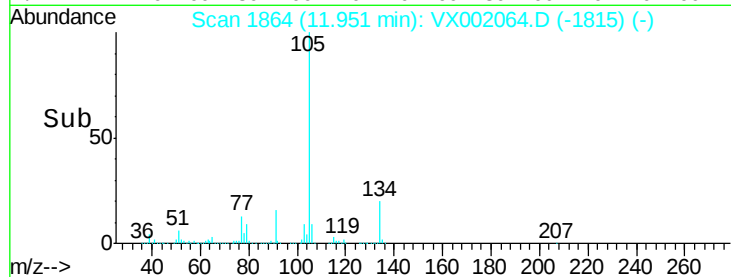
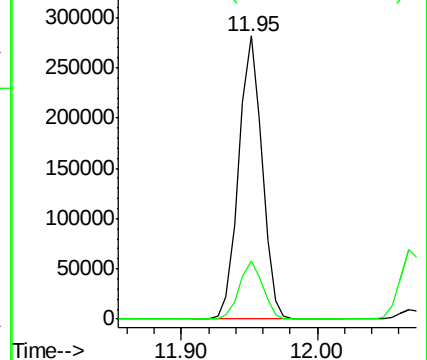
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.31 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002064.D

Acq: 27 May 2018 13:19

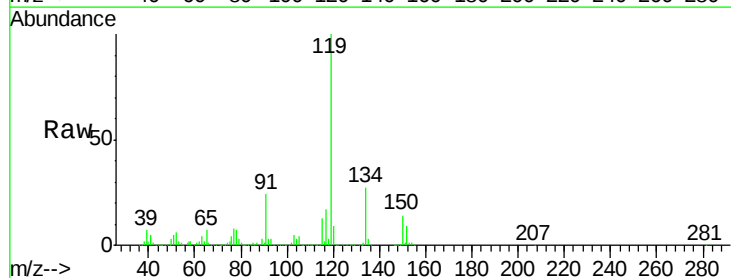
Tgt Ion:119 Resp: 300963

Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.8

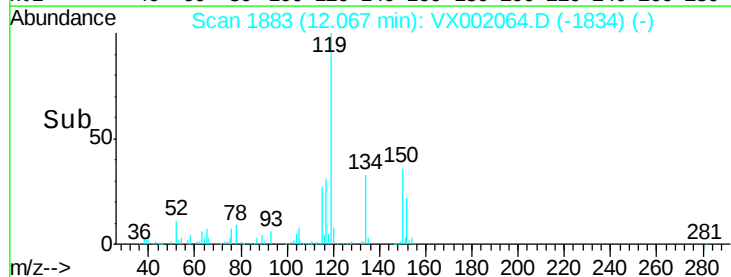
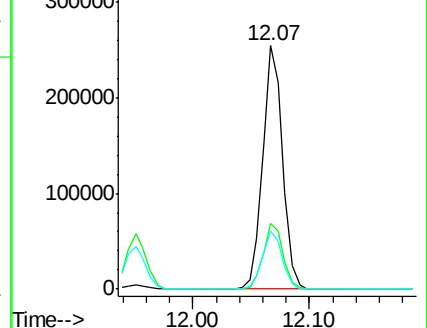
91 24.0 12.2 36.4

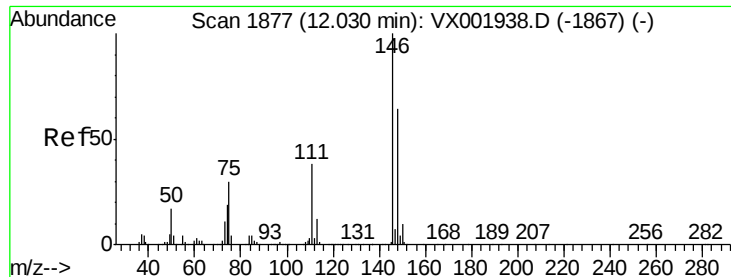


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





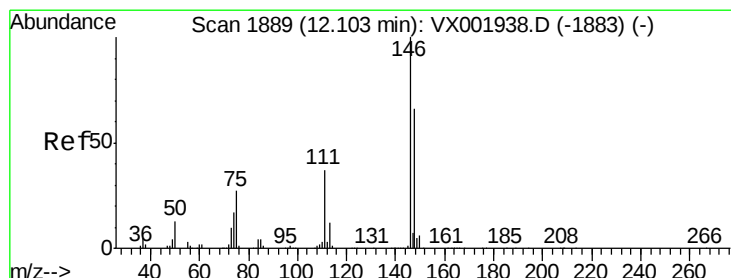
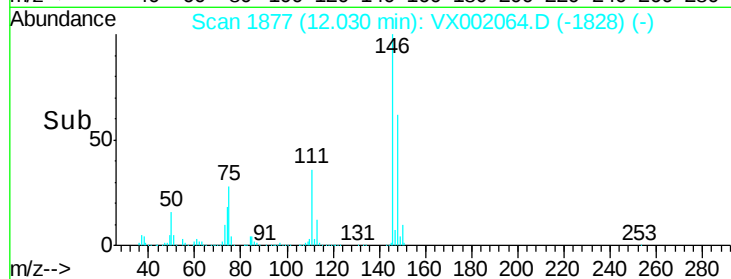
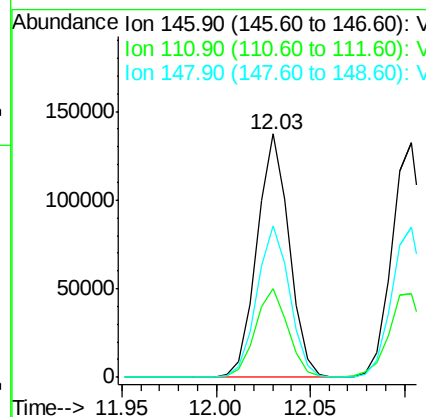
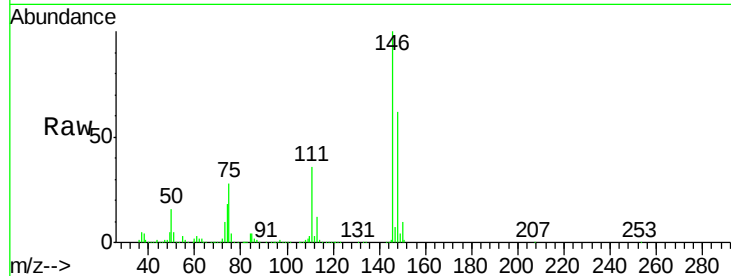
#87
 1,3-Dichlorobenzene
 Concen: 19.77 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002064.D
 Acq: 27 May 2018 13:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	19.3	57.8
148	63.2	32.1	96.3

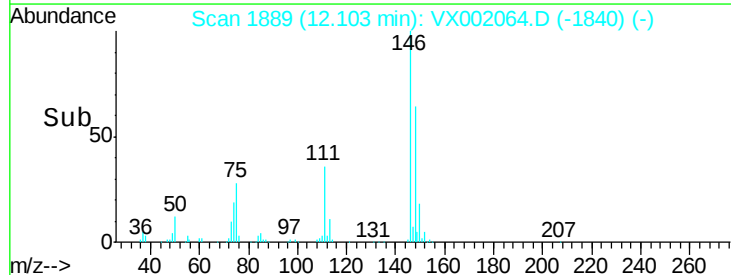
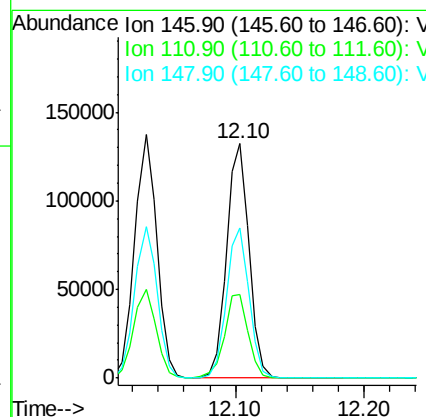
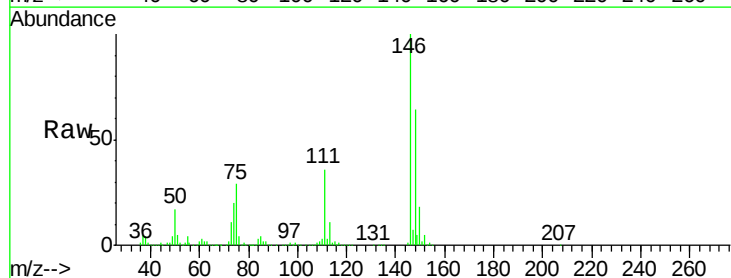
Manual Integrations
 APPROVED

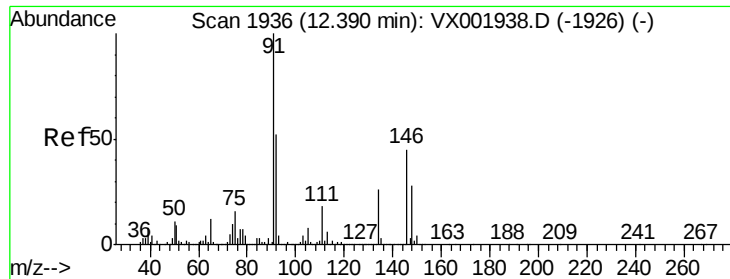
MMDadoda
 5/30/2018 1:50:35 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.81 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002064.D
 Acq: 27 May 2018 13:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.5
148	64.5	32.3	96.8





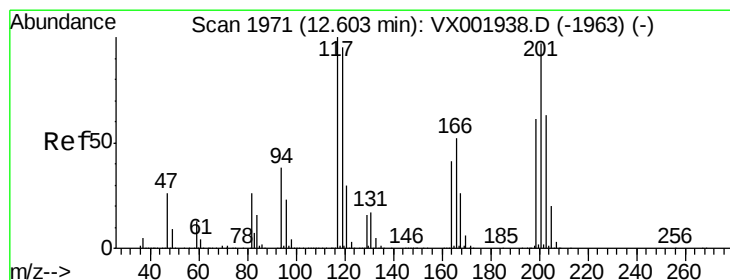
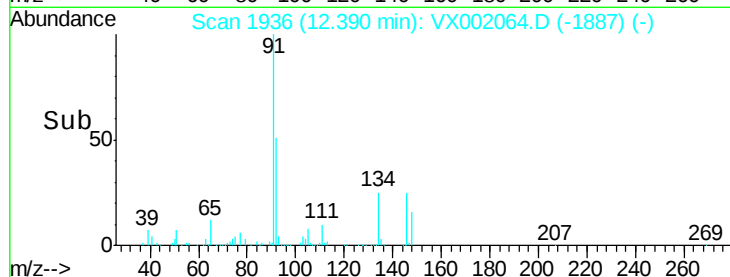
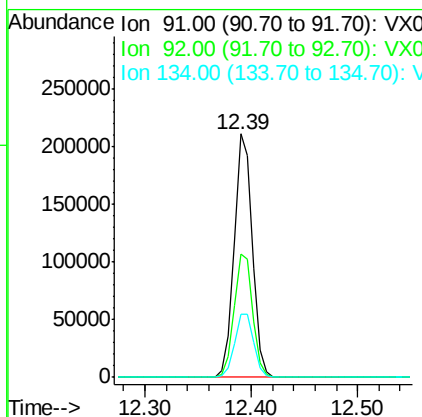
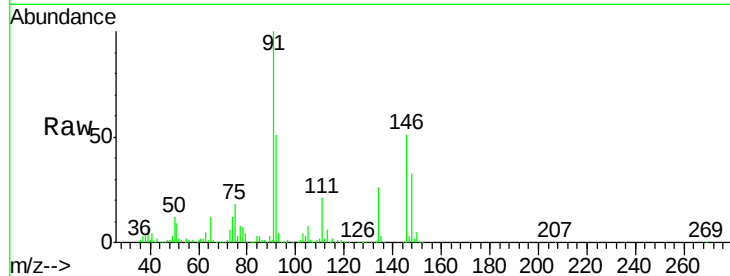
#89
n-Butylbenzene
Concen: 19.15 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.3	78.9
134	27.2	13.6	40.7

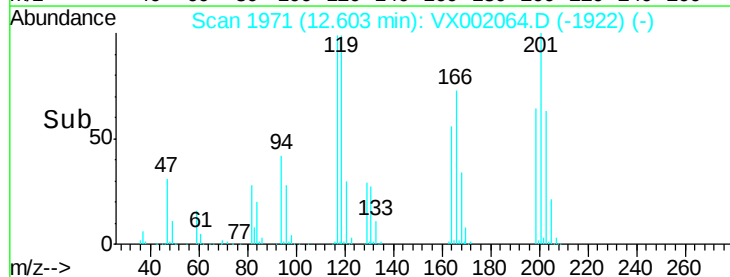
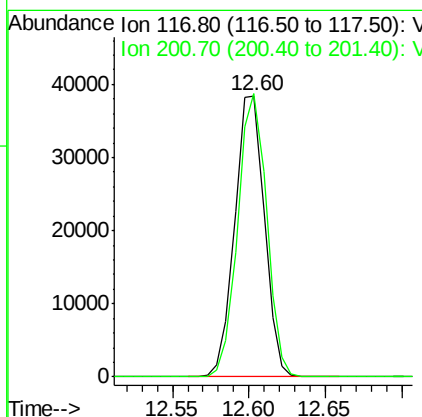
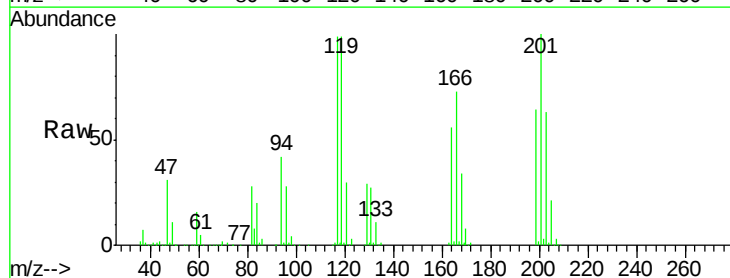
Manual Integrations
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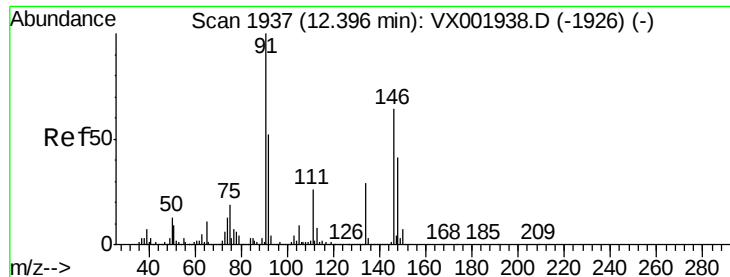
MMDadoda
5/30/2018 1:50:35 PM



#90
Hexachloroethane
Concen: 16.88 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.6	48.0	144.0





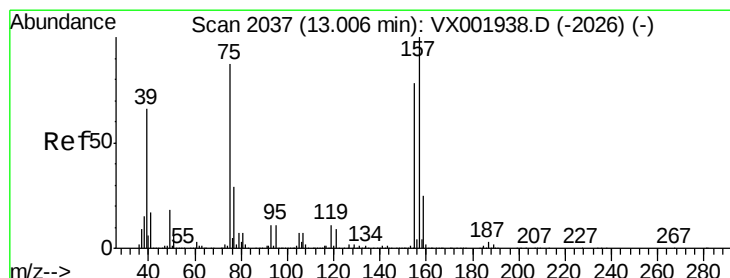
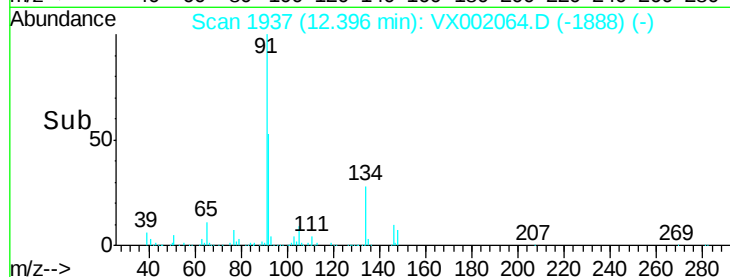
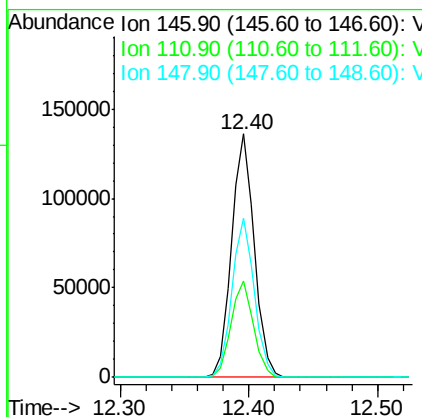
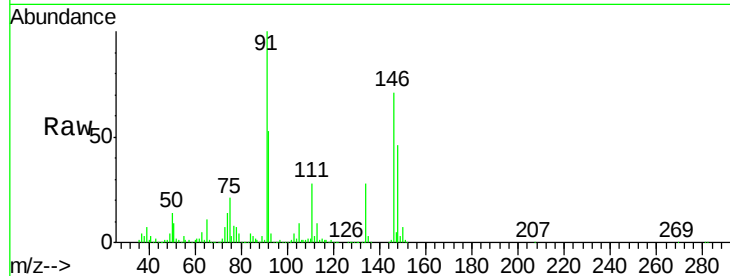
#91
 1,2-Dichlorobenzene
 Concen: 20.01 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002064.D
 Acq: 27 May 2018 13:19

Instrument :
 MSVOA_X
 ClientSampled :
 VX0527WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	167318		
111	39.4	19.8	59.3	
148	64.5	32.1	96.5	

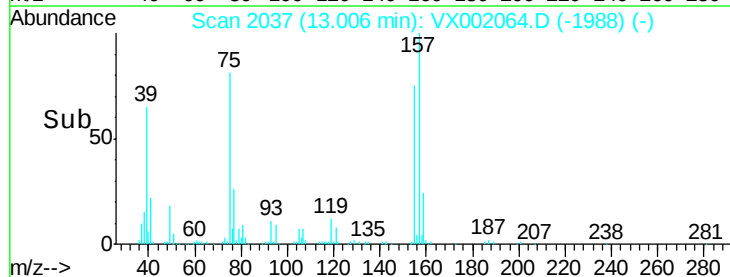
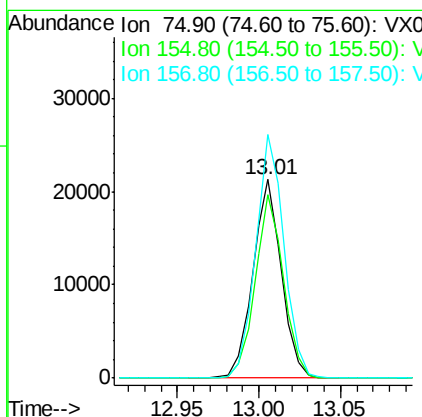
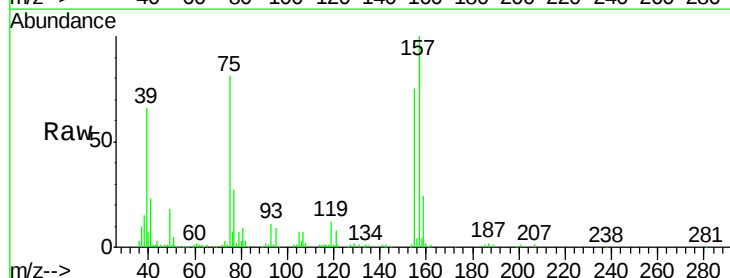
Manual Integrations
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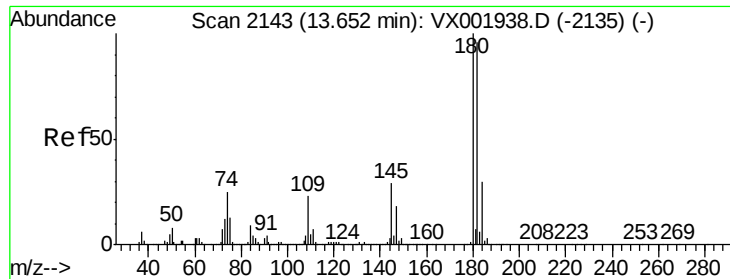
MMDadoda
 5/30/2018 1:50:35 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.83 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002064.D
 Acq: 27 May 2018 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	25847		
155	91.2	45.1	135.2	
157	121.5	58.1	174.2	





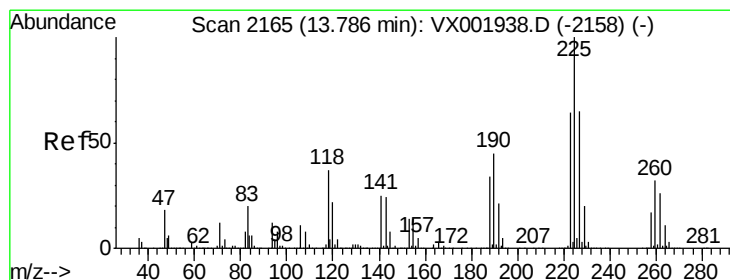
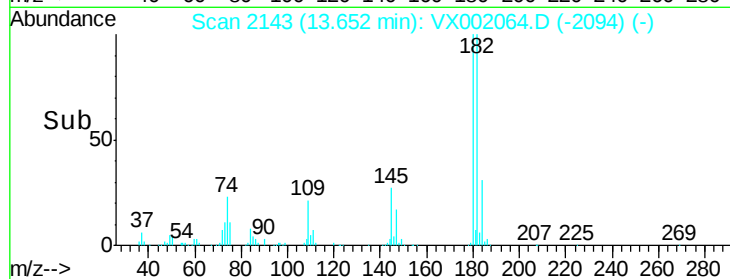
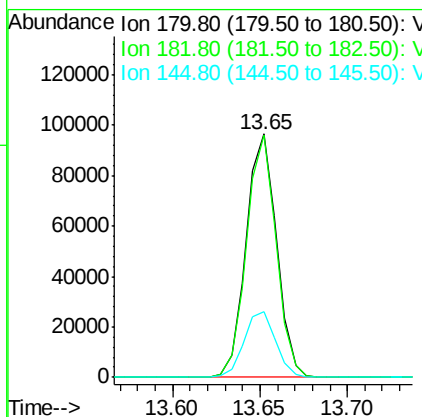
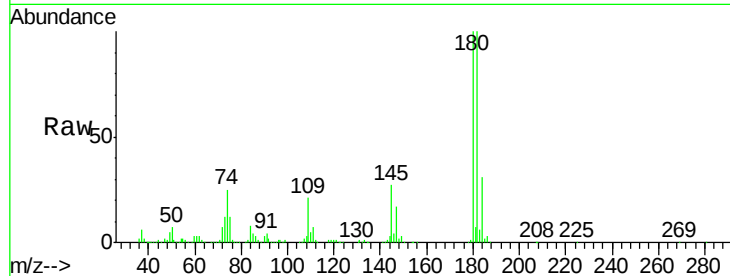
#93
 1,2,4-Trichlorobenzene
 Concen: 19.54 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002064.D
 Acq: 27 May 2018 13:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	116850		
182	96.6	47.7	143.1	
145	27.8	14.4	43.0	

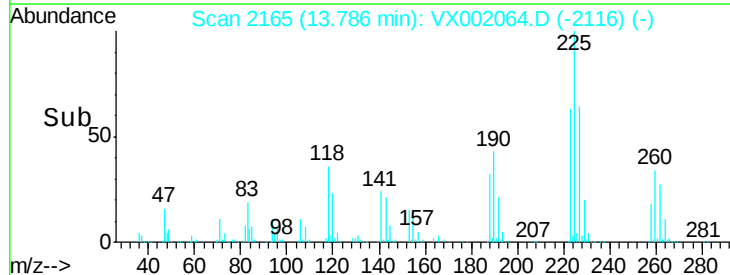
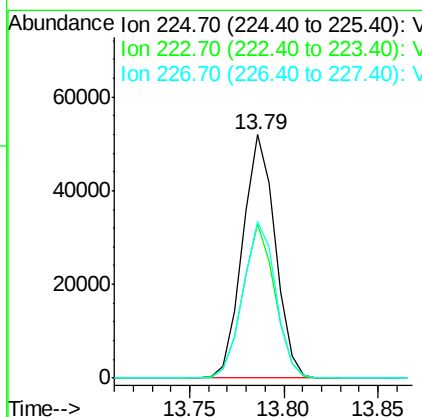
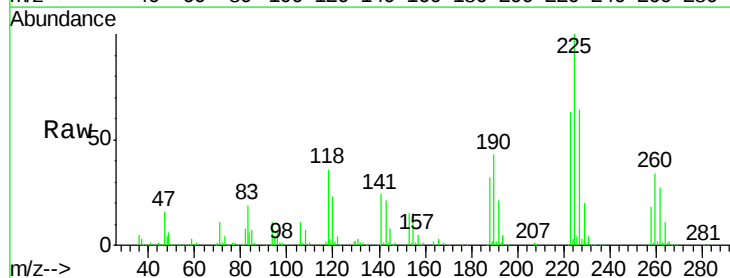
Manual Integrations
 APPROVED

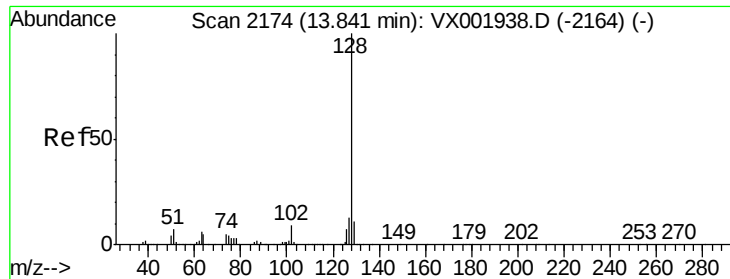
MMDadoda
 5/30/2018 1:50:35 PM



#94
 Hexachlorobutadiene
 Concen: 19.41 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002064.D
 Acq: 27 May 2018 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	62447		
223	62.1	31.1	93.5	
227	64.5	32.1	96.5	





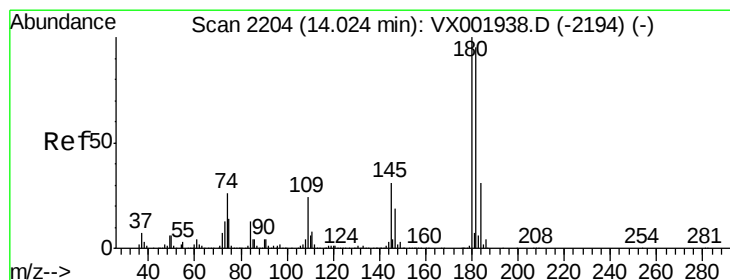
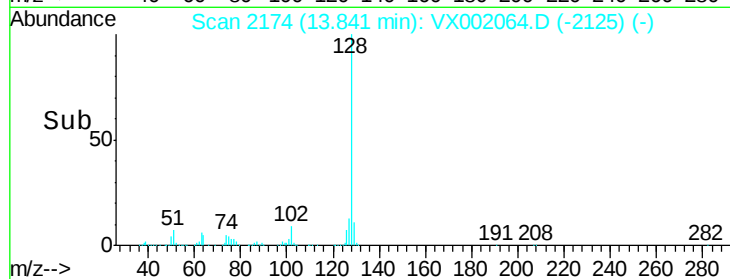
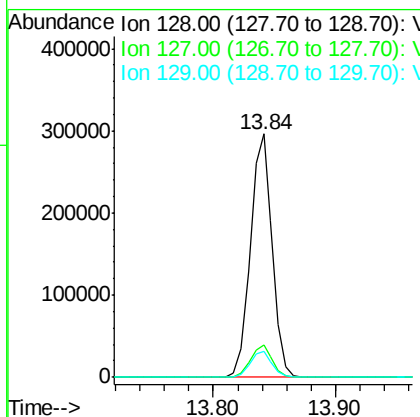
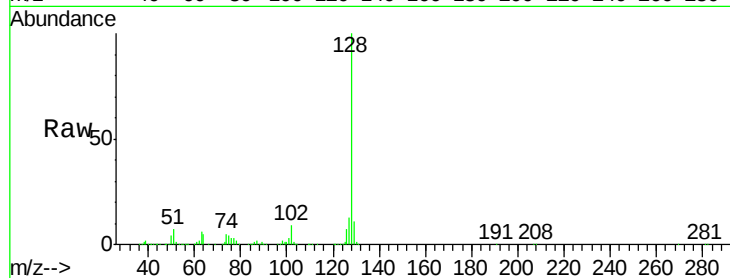
#95
Naphthalene
Concen: 19.81 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Instrument :
MSVOA_X
ClientSampleId :
VX0527WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	364988		
127	13.1		10.4	15.6
129	10.8		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/30/2018 1:50:35 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.66 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX002064.D
Acq: 27 May 2018 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	121666		
182	96.5		47.9	143.6
145	30.1		15.1	45.3

