

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052418\
 Data File : VX001947.D
 Acq On : 24 May 2018 18:02
 Operator : JC/MD
 Sample : VX0524WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/25/2018 2:25:54 PM

Quant Time: May 25 03:58:17 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	294923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	424705	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	385692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	247072	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	263858	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
35) Dibromofluoromethane	5.51	113	204993	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
50) Toluene-d8	8.72	98	755976	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	11.14	95	283207	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	78619	20.08	ug/l	98
3) Chloromethane	1.32	50	93782	20.67	ug/l	99
4) Vinyl Chloride	1.40	62	89547	20.44	ug/l	98
5) Bromomethane	1.64	94	55878	27.27	ug/l	99
6) Chloroethane	1.72	64	53843	20.85	ug/l	100
7) Trichlorofluoromethane	1.93	101	137867	20.95	ug/l	99
8) Diethyl Ether	2.19	74	51958	21.76	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	75802	20.65	ug/l	98
10) Methyl Iodide	2.51	142	95057	19.13	ug/l	100
11) Tert butyl alcohol	3.09	59	127790	123.49	ug/l	100
12) 1,1-Dichloroethene	2.37	96	71823	20.89	ug/l	97
13) Acrolein	2.30	56	45747	102.25	ug/l	99
14) Allyl chloride	2.73	41	152792	21.17	ug/l	100
15) Acrylonitrile	3.15	53	234810	110.35	ug/l	100
16) Acetone	2.45	43	224155	110.18	ug/l	100
17) Carbon Disulfide	2.57	76	202793	20.50	ug/l	100
18) Methyl Acetate	2.79	43	120621	24.02	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	274662	21.24	ug/l	99
20) Methylene Chloride	2.86	84	80371	21.88	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	76522	21.98	ug/l	97
22) Diisopropyl ether	3.89	45	277405	18.90	ug/l	96
23) Vinyl Acetate	3.83	43	1229217	101.01	ug/l	100
24) 1,1-Dichloroethane	3.70	63	148151	21.25	ug/l	98
25) 2-Butanone	4.73	43	405625	108.78	ug/l	99
26) 2,2-Dichloropropane	4.59	77	115752	16.40	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	91066	20.32	ug/l	96
28) Bromochloromethane	5.03	49	69230	22.51	ug/l	98
29) Tetrahydrofuran	5.18	42	264421	108.99	ug/l	100
30) Chloroform	5.22	83	159389	20.29	ug/l	99
31) Cyclohexane	5.57	56	144190	19.85	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	148217	20.24	ug/l	100
36) 1,1-Dichloropropene	5.81	75	112709	19.08	ug/l	98
37) Ethyl Acetate	4.88	43	158340	20.56	ug/l	99
38) Carbon Tetrachloride	5.79	117	134706	19.55	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	136322	18.78	ug/l	97
40) Benzene	6.15	78	339043	19.59	ug/l	99
41) Methacrylonitrile	5.07	41	88877	21.08	ug/l	98
42) 1,2-Dichloroethane	6.21	62	133224	19.27	ug/l	100
43) Isopropyl Acetate	6.48	43	261919	20.41	ug/l	100
44) Trichloroethene	7.22	130	98155	19.46	ug/l	98
45) 1,2-Dichloropropane	7.52	63	93940	19.99	ug/l	99
46) Dibromomethane	7.67	93	62550	20.10	ug/l	98
47) Bromodichloromethane	7.91	83	130484	19.67	ug/l	99
48) Methyl methacrylate	7.79	41	131469	20.13	ug/l	98
49) 1,4-Dioxane	7.77	88	50172	435.93	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	825769	106.75	ug/l	98
52) Toluene	8.79	92	215872	19.60	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	147167	19.26	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	143060	19.21	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	88705	19.28	ug/l	99
56) Ethyl methacrylate	9.19	69	153540	19.40	ug/l	99
57) 1,3-Dichloropropane	9.38	76	150508	19.86	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	348496	99.35	ug/l	99
59) 2-Hexanone	9.51	43	634198	106.32	ug/l	99
60) Dibromochloromethane	9.59	129	105722	19.40	ug/l	98
61) 1,2-Dibromoethane	9.68	107	94930	19.66	ug/l	99
64) Tetrachloroethene	9.34	164	107672	19.47	ug/l	99
65) Chlorobenzene	10.15	112	240798	19.71	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	98545	19.97	ug/l	98
67) Ethyl Benzene	10.26	91	417246	19.65	ug/l	100
68) m/p-Xylenes	10.37	106	319486	39.37	ug/l	99
69) o-Xylene	10.71	106	158953	19.62	ug/l	100
70) Styrene	10.72	104	263056	19.57	ug/l	100
71) Bromoform	10.87	173	90440	19.33	ug/l #	100
73) Isopropylbenzene	11.02	105	426205	20.37	ug/l	99
74) N-amyl acetate	6.48	43	261919	22.39	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	129497	21.92	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	139209m	23.46	ug/l	
77) Bromobenzene	11.26	156	111473	20.08	ug/l	100
78) n-propylbenzene	11.37	91	470809	20.09	ug/l	99
79) 2-Chlorotoluene	11.43	91	286700	20.96	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	357886	20.02	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	46089	18.67	ug/l	98
82) 4-Chlorotoluene	11.52	91	328226	19.86	ug/l	99
83) tert-Butylbenzene	11.77	119	347918	19.83	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	366713	19.85	ug/l	100
85) sec-Butylbenzene	11.95	105	420568	19.94	ug/l	100
86) p-Isopropyltoluene	12.07	119	374712	19.85	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	193679	19.48	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	192962	19.42	ug/l	99
89) n-Butylbenzene	12.39	91	305892	19.13	ug/l	100
90) Hexachloroethane	12.60	117	74735	20.07	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	202062	19.95	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	39692	21.34	ug/l	96

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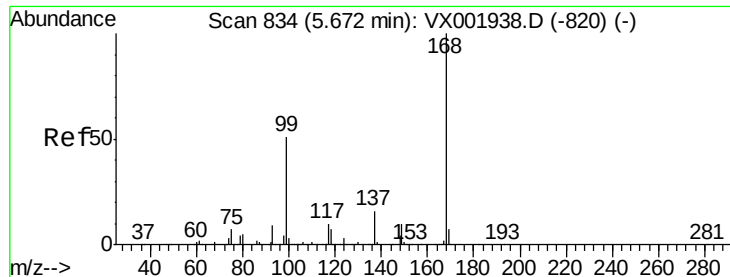
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	137600	19.00	ug/l	99
94) Hexachlorobutadiene	13.79	225	74652	19.16	ug/l	100
95) Naphthalene	13.84	128	460535	20.64	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	146784	19.59	ug/l	100

(#) = 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: VX001947.D

Acq: 24 May 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBSD01

Tot Ion:168 Resp: 294923

Ion Ratio Lower Upper

168 100

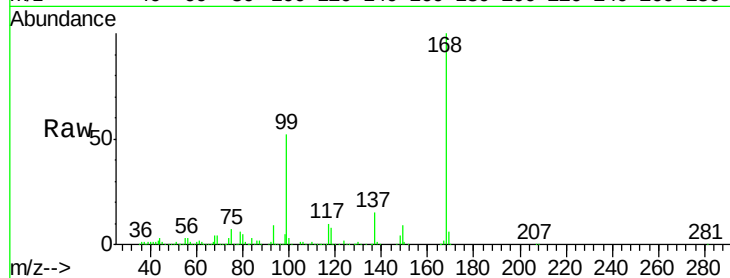
99 51.8 41.0 61.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

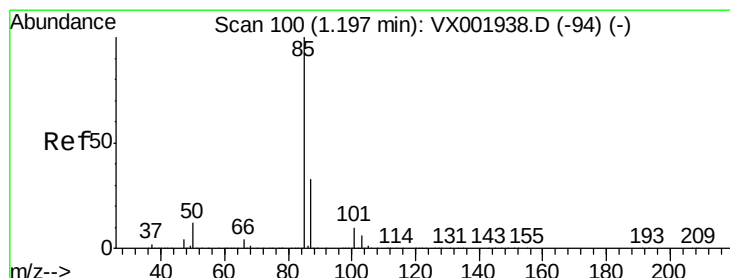
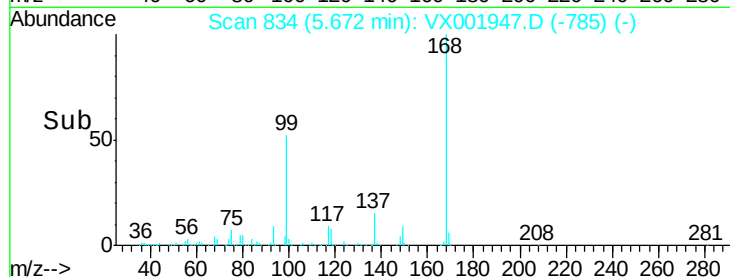
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.08 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001947.D

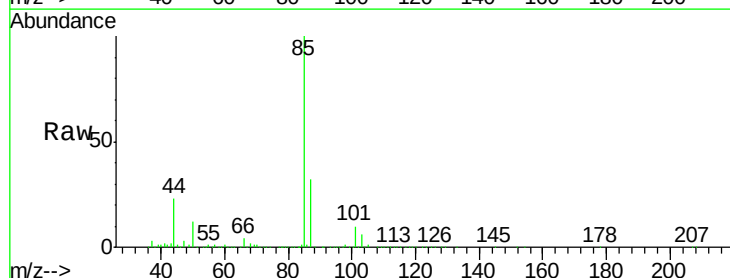
Acq: 24 May 2018 18:02

Tgt Ion: 85 Resp: 78619

Ion Ratio Lower Upper

85 100

87 32.1 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

80000

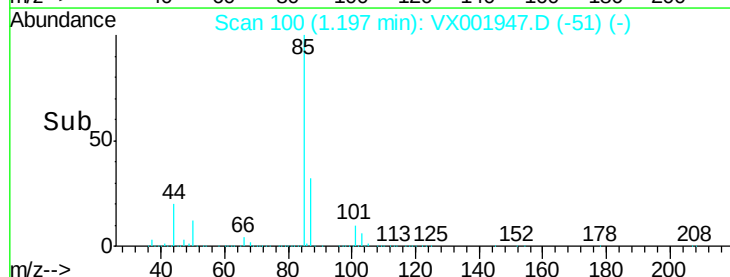
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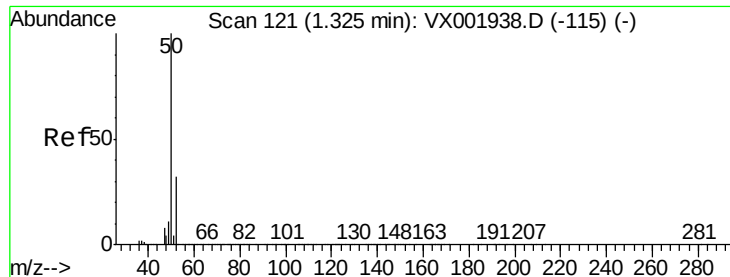
40000

20000

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Time-->





#3

Chloromethane

Concen: 20.67 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBSD01

Tot Ion: 50 Resp: 93782

Ion Ratio Lower Upper

50 100

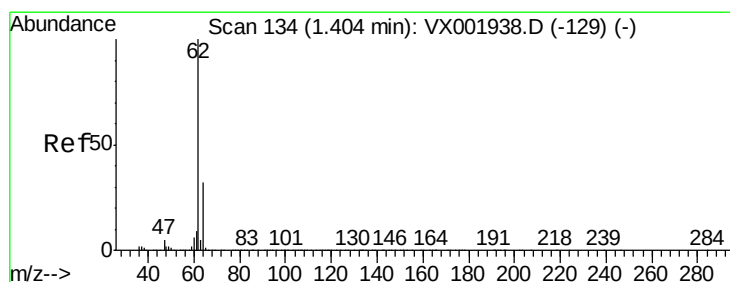
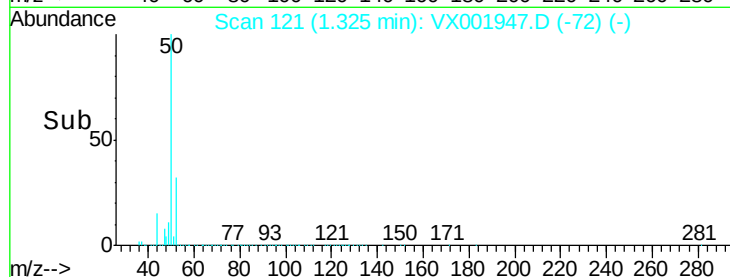
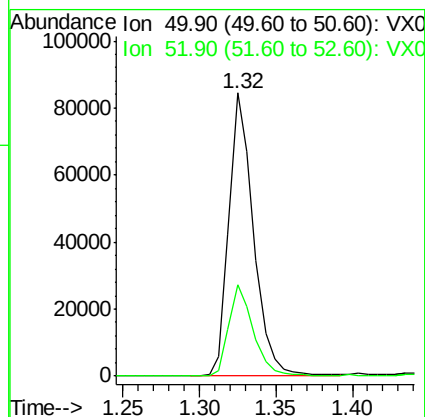
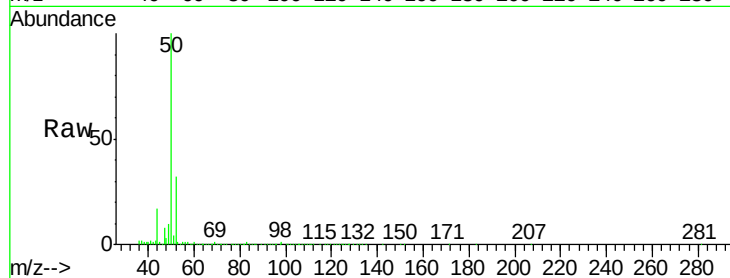
52 32.0 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.44 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001947.D

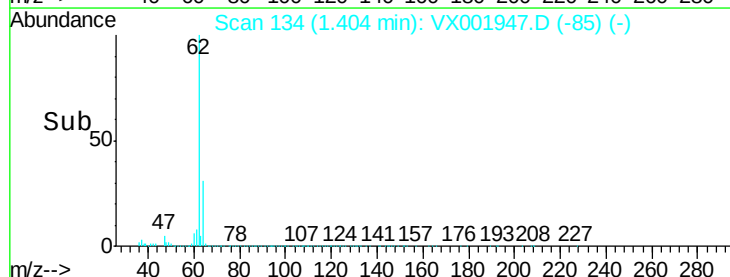
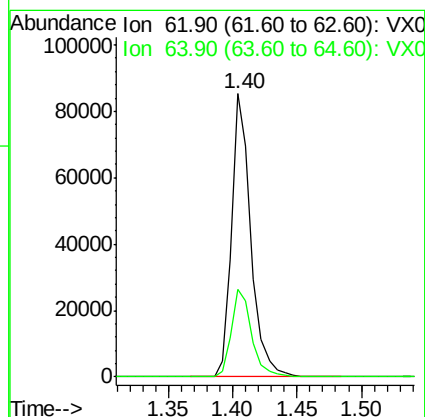
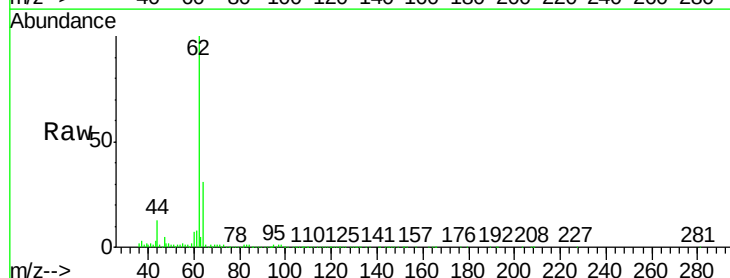
Acq: 24 May 2018 18:02

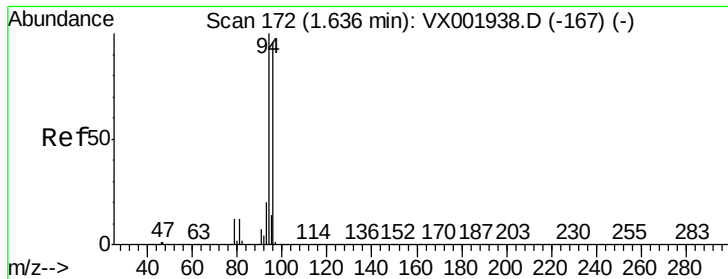
Tgt Ion: 62 Resp: 89547

Ion Ratio Lower Upper

62 100

64 30.9 25.4 38.0





#5

Bromomethane

Concen: 27.27 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBSD01

Tot Ion: 94 Resp: 55878

Ion Ratio Lower Upper

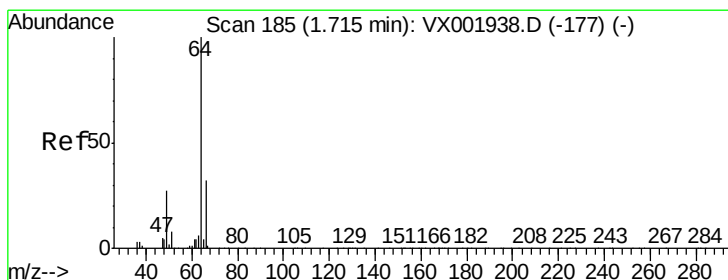
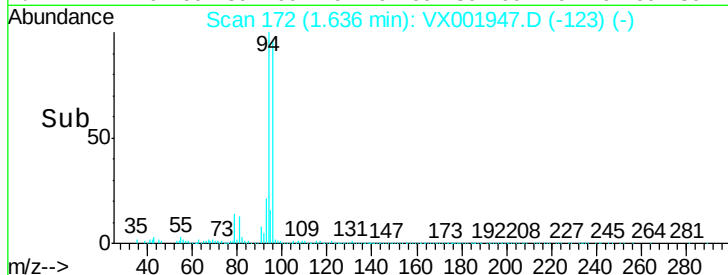
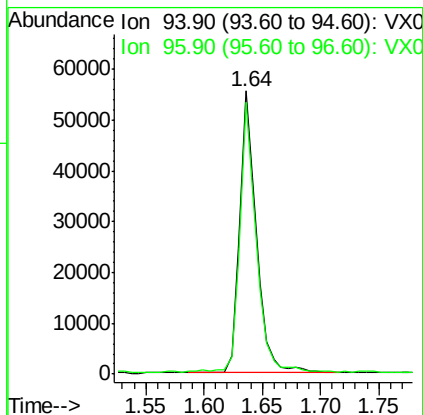
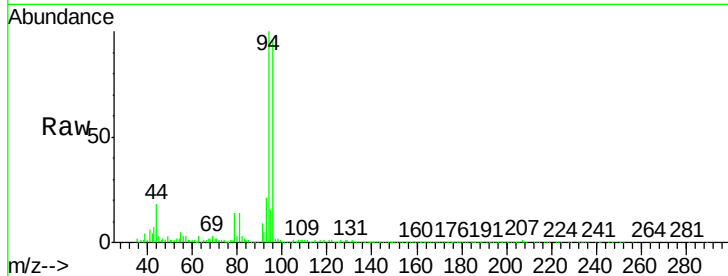
94 100

96 95.9 75.9 113.9

Manual Integrations
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#6

Chloroethane

Concen: 20.85 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX001947.D

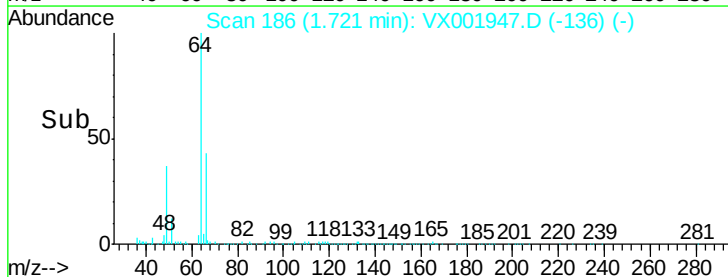
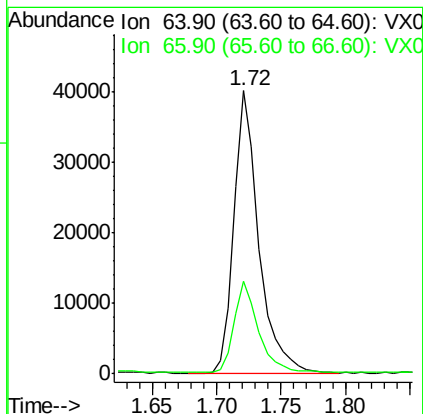
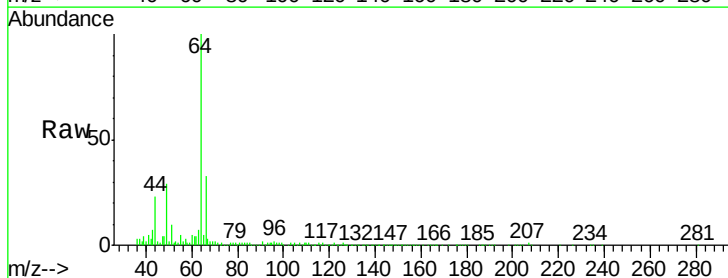
Acq: 24 May 2018 18:02

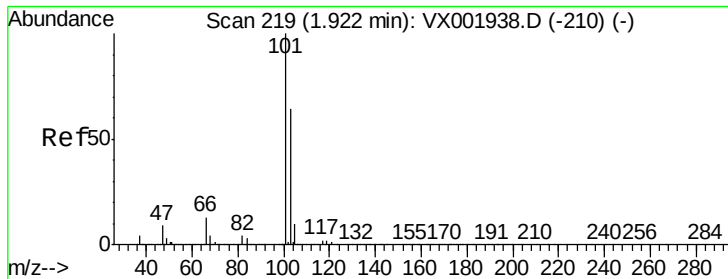
Tgt Ion: 64 Resp: 53843

Ion Ratio Lower Upper

64 100

66 32.0 25.6 38.4





#7

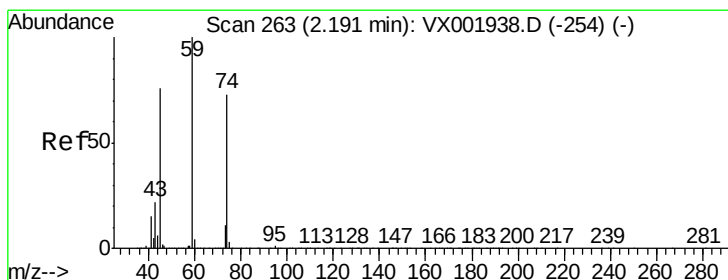
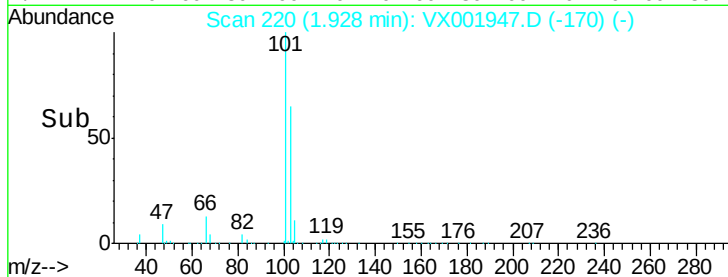
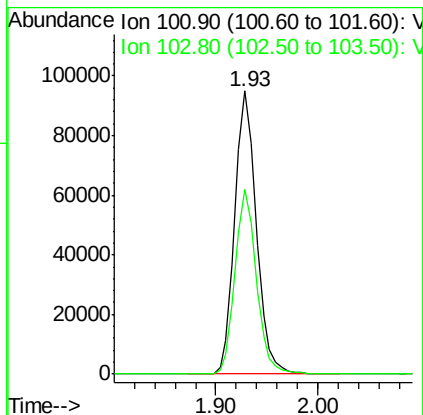
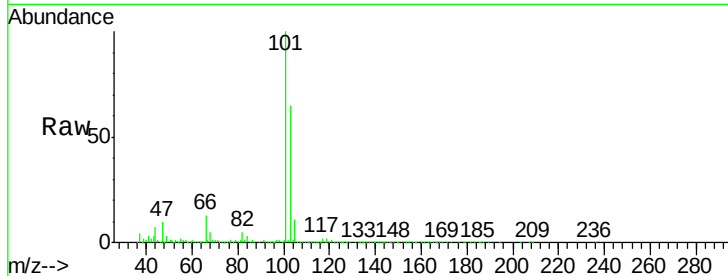
Trichlorofluoromethane
Concen: 20.95 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.4	77.0

Manual Integrations
APPROVED

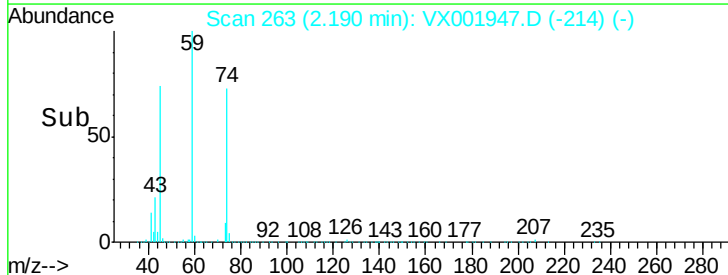
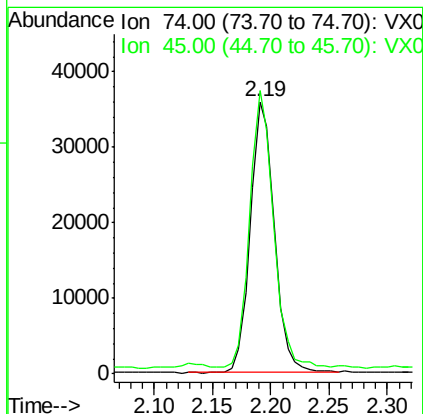
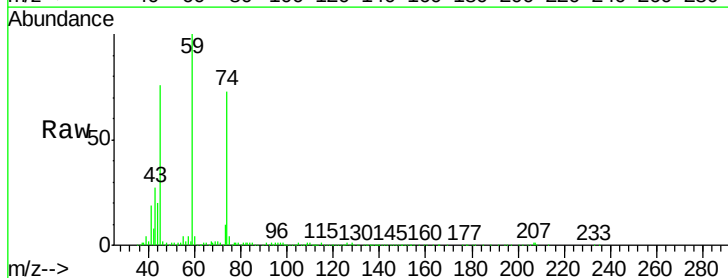
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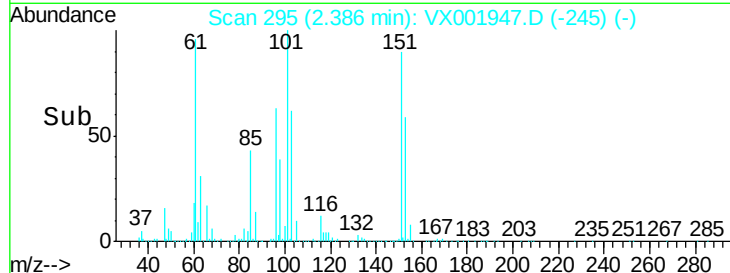
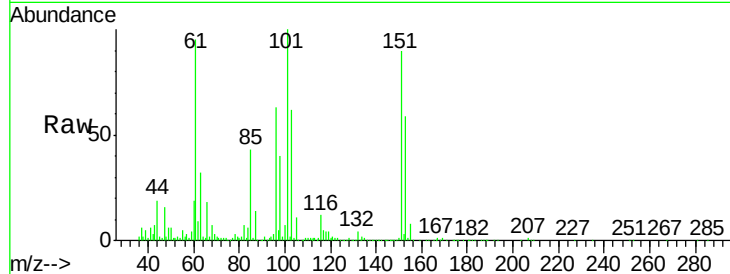
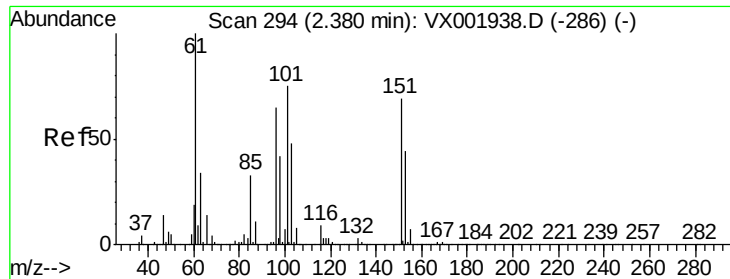


#8

Diethyl Ether
Concen: 21.76 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.1	51.5	154.7





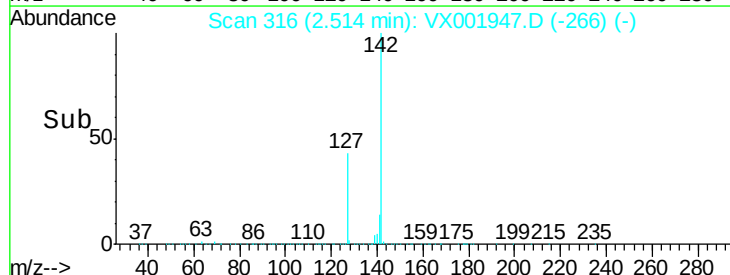
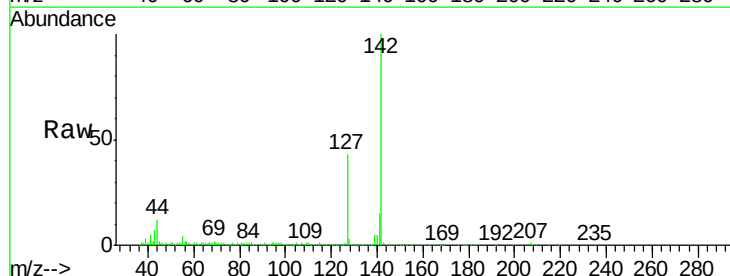
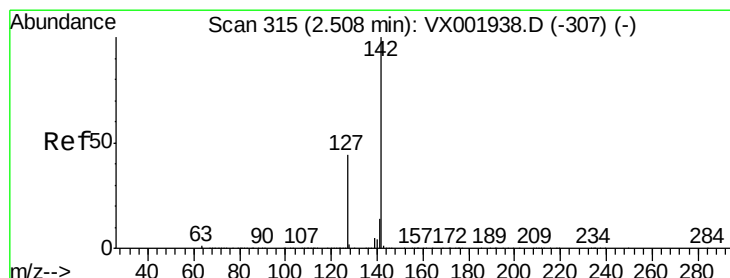
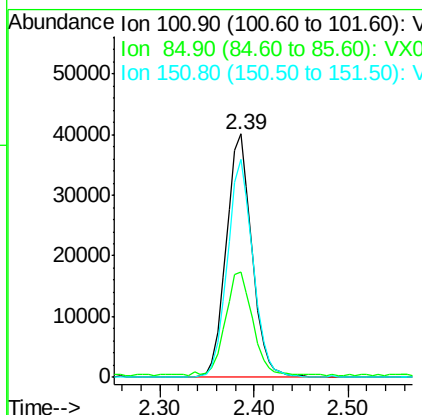
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.65 ug/l
RT: 2.39 min Scan# 295
Delta R.T. 0.01 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	75802		
85	43.7		35.6	53.4
151	88.7		73.2	109.8

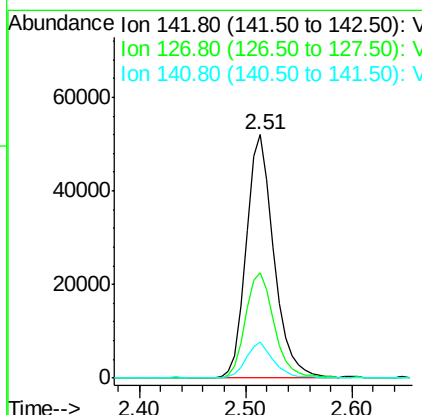
Manual Integrations
APPROVED

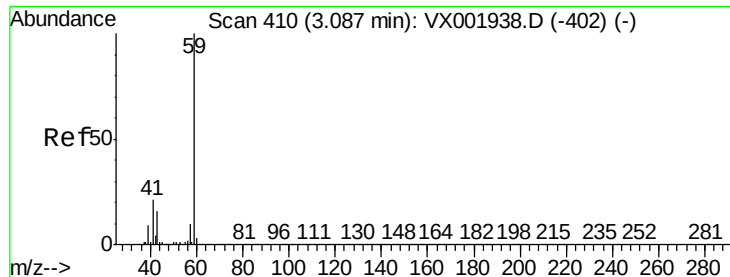
MMDadoda
5/25/2018 2:25:54 PM



#10
Methyl Iodide
Concen: 19.13 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	95057		
127	44.4		35.5	53.3
141	14.1		11.3	16.9





#11

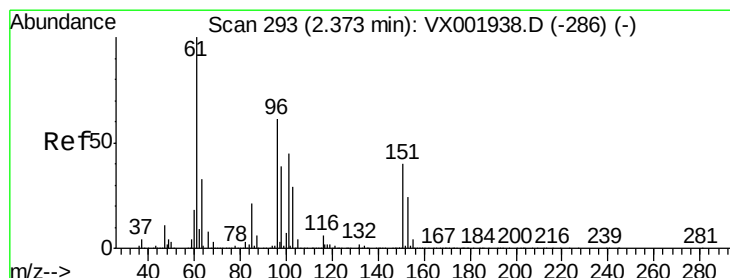
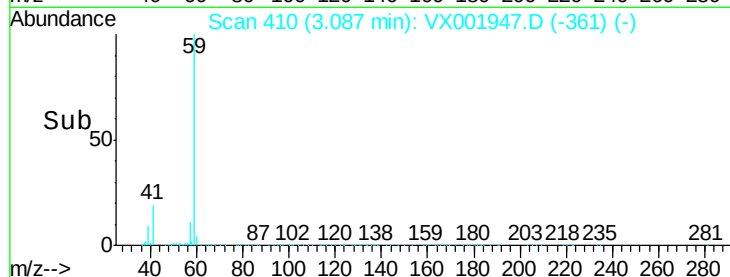
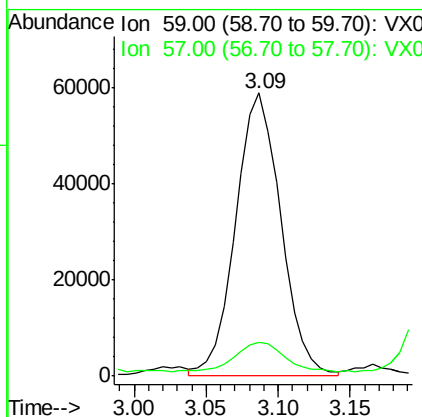
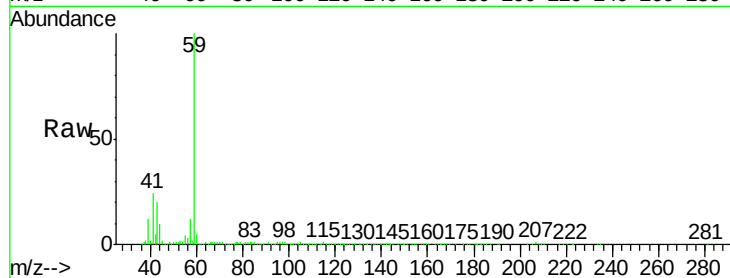
Tert butyl alcohol
Concen: 123.49 ug/l
RT: 3.09 min Scan# 410
Delta R.T. -0.00 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.9	13.3

Manual Integrations
APPROVED

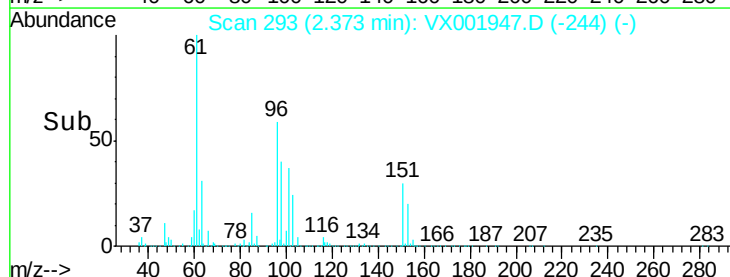
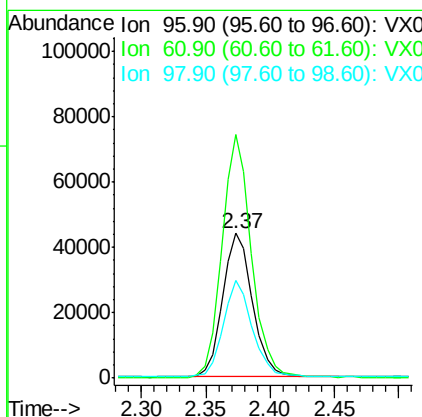
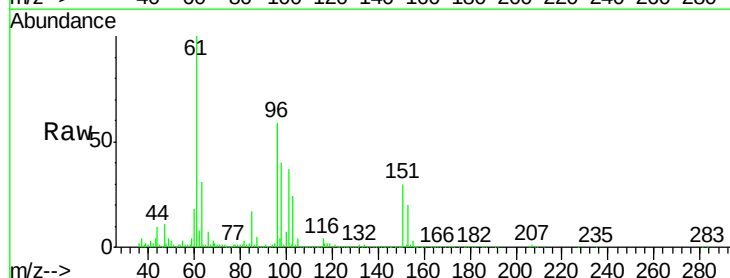
MMDadoda
5/25/2018 2:25:54 PM

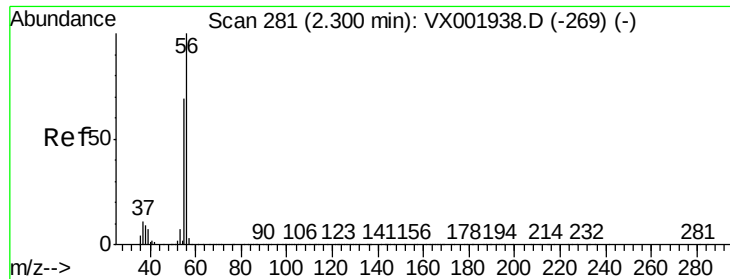


#12

1,1-Dichloroethene
Concen: 20.89 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.3	131.7	197.5
98	67.1	51.6	77.4





#13

Acrolein

Concen: 102.25 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBSD01

Tot Ion: 56 Resp: 45747

Ion Ratio Lower Upper

56 100

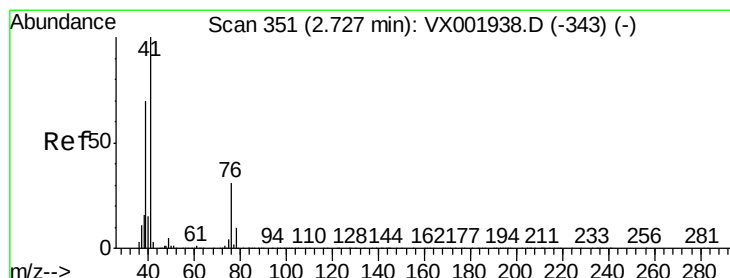
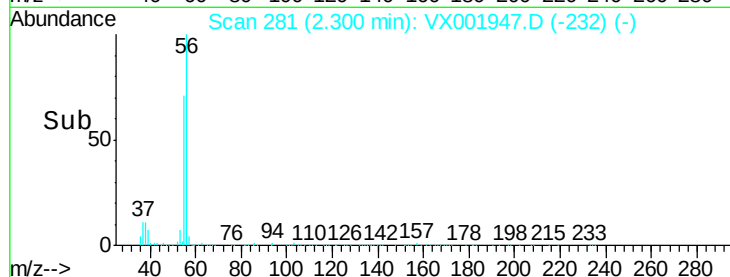
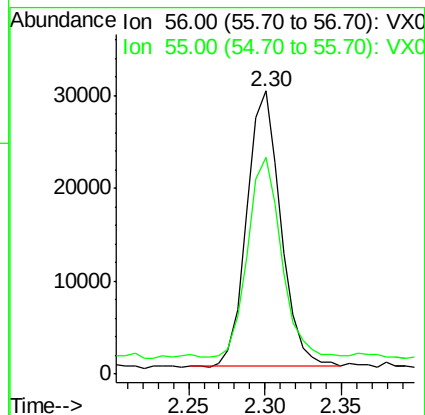
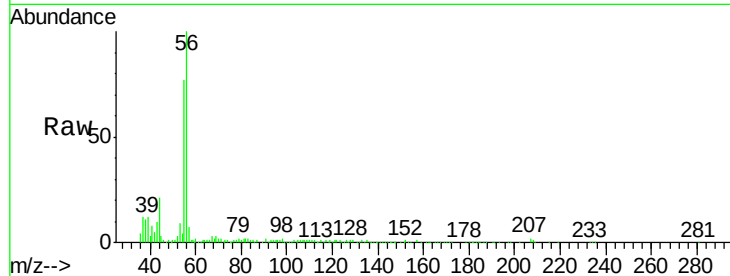
55 72.2 56.8 85.2

Manual Integrations

APPROVED

MMDadoda

5/25/2018 2:25:54 PM



#14

Allyl chloride

Concen: 21.17 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

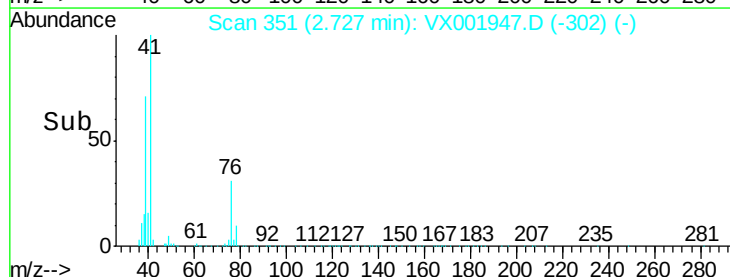
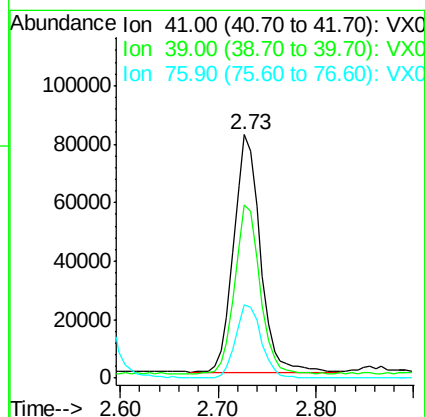
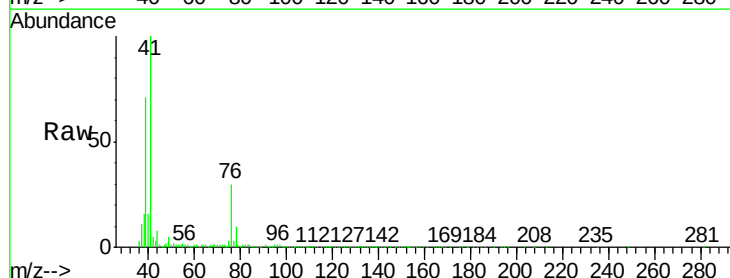
Tgt Ion: 41 Resp: 152792

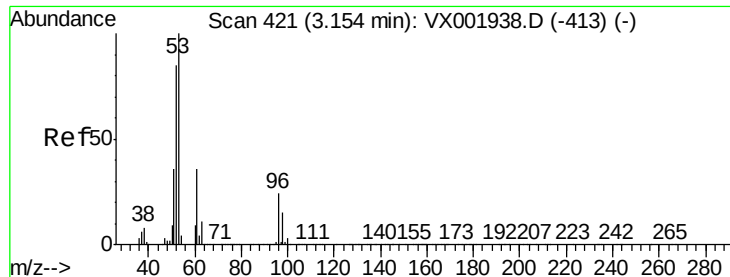
Ion Ratio Lower Upper

41 100

39 68.1 54.3 81.5

76 29.9 24.2 36.4





#15

Acrylonitrile

Concen: 110.35 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Instrument :

MSVOA_X

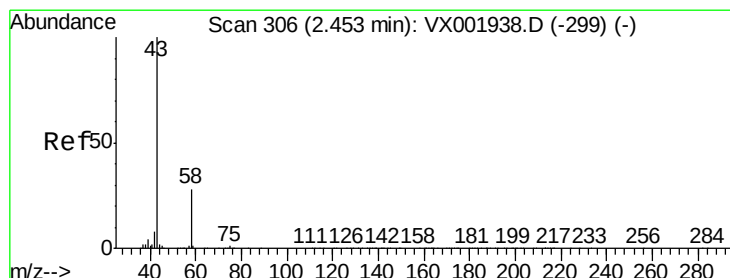
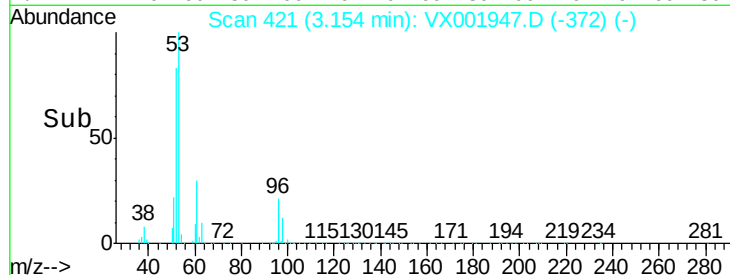
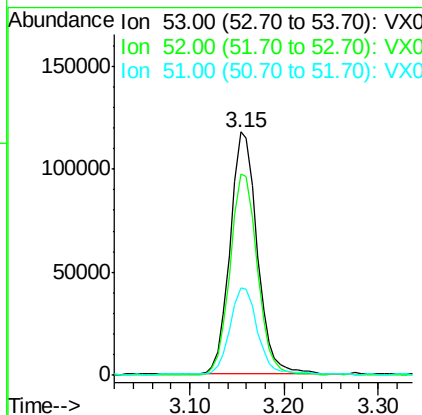
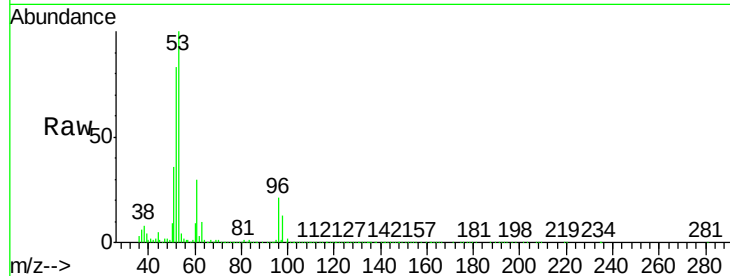
ClientSampleId :

VX0524WBSD01

Tot Ion:	53	Resp:	234810
Ion Ratio		Lower	Upper
53	100		
52	83.5	66.4	99.6
51	36.5	29.3	43.9

Manual Integrations
APPROVED

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5/25/2018 2:25:54 PM



#16

Acetone

Concen: 110.18 ug/l

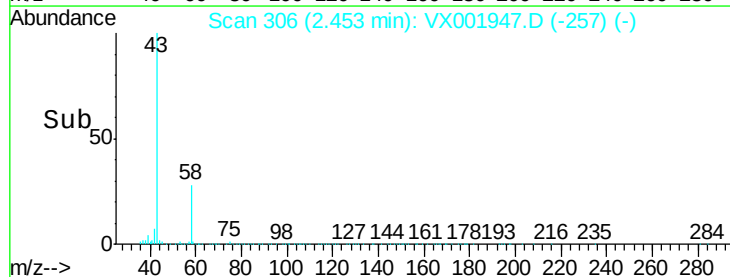
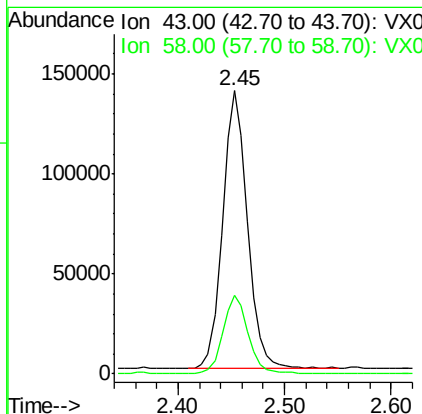
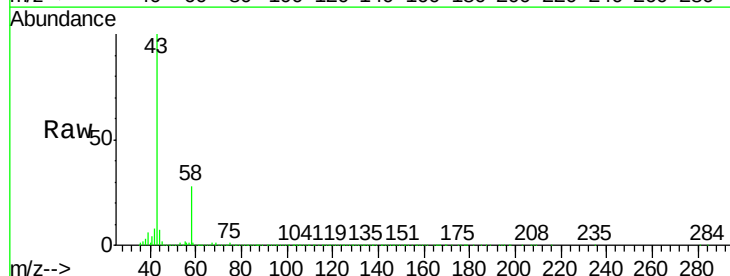
RT: 2.45 min Scan# 306

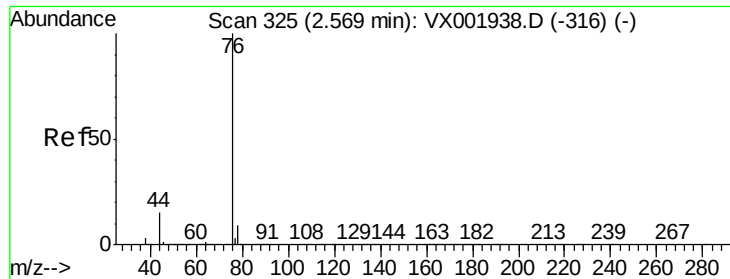
Delta R.T. -0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Tgt Ion:	43	Resp:	224155
Ion Ratio		Lower	Upper
43	100		
58	28.1	22.3	33.5





#17

Carbon Disulfide

Concen: 20.50 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBSD01

Tot Ion: 76 Resp: 202793

Ion Ratio Lower Upper

76 100

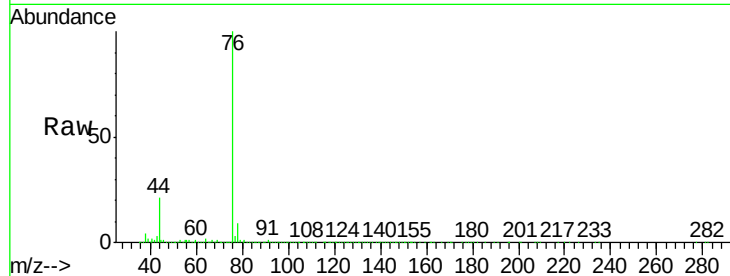
78 9.3 7.4 11.2

Manual Integrations

APPROVED

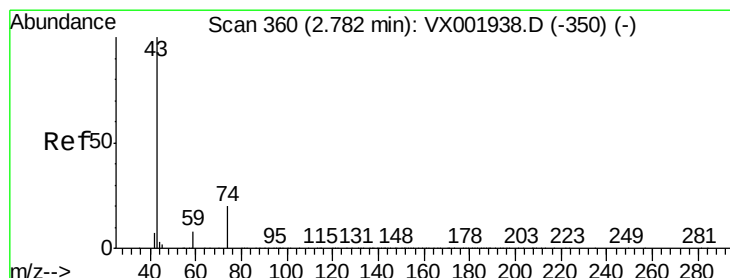
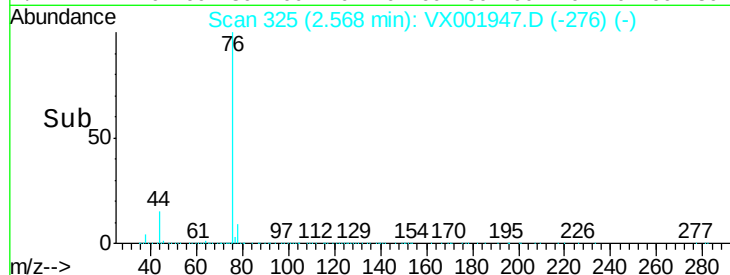
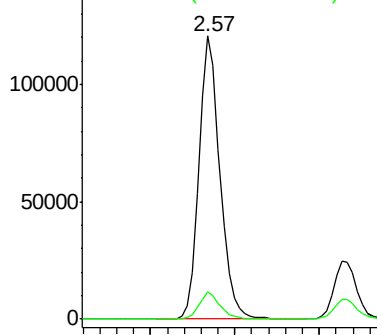
MMDadoda

5/25/2018 2:25:54 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 24.02 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX001947.D

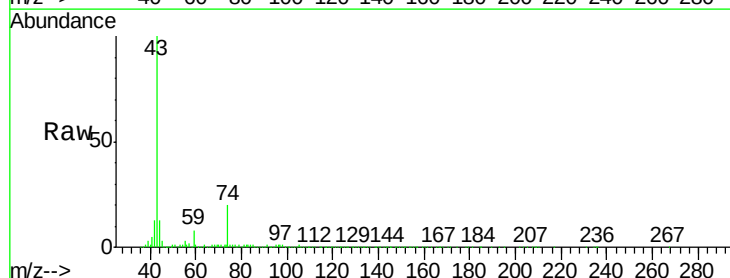
Acq: 24 May 2018 18:02

Tgt Ion: 43 Resp: 120621

Ion Ratio Lower Upper

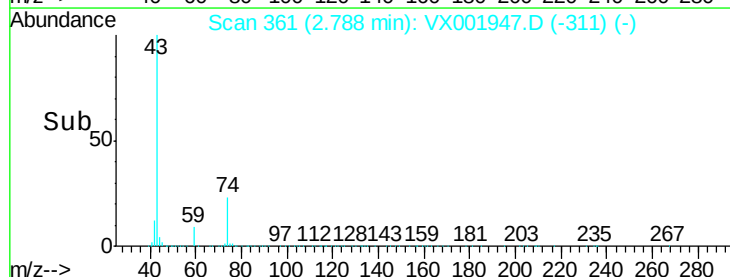
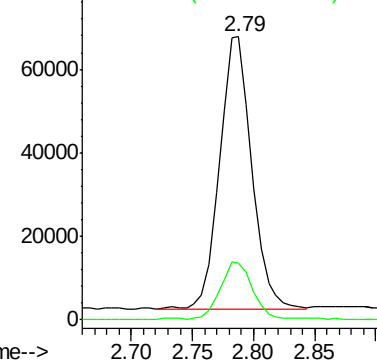
43 100

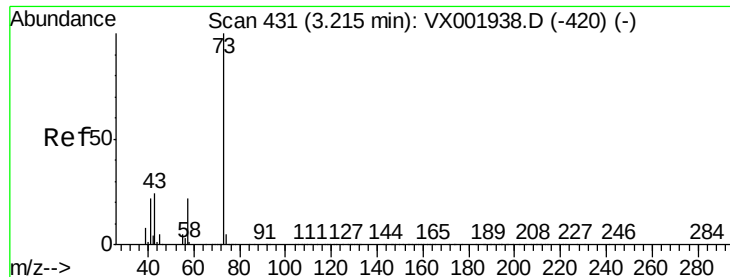
74 20.8 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





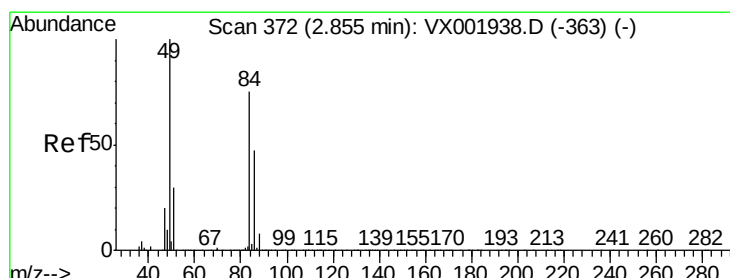
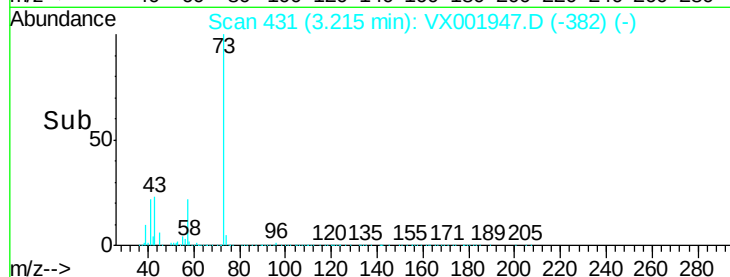
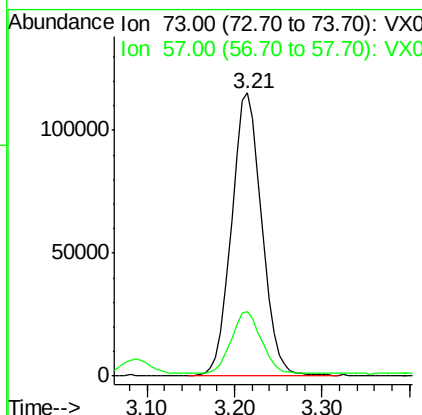
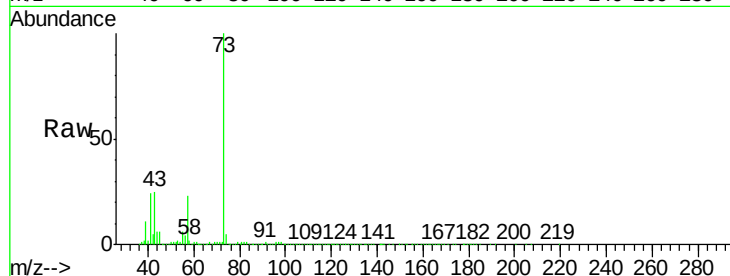
#19
Methyl tert-butyl Ether
Concen: 21.24 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.0

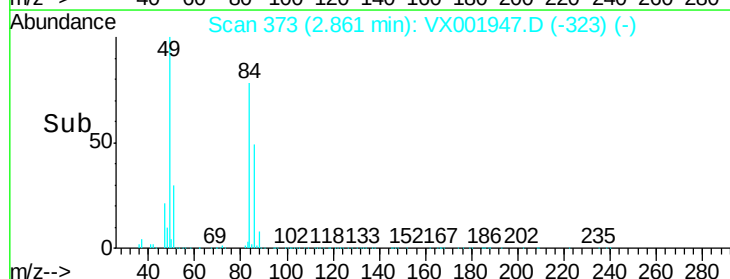
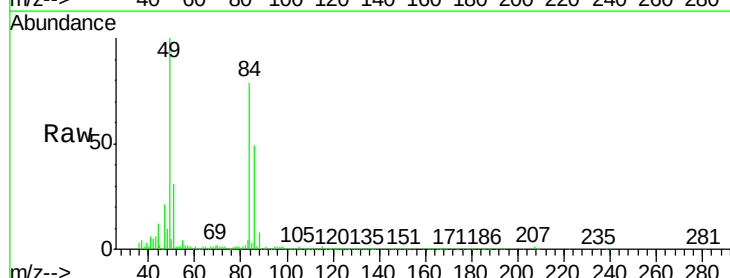
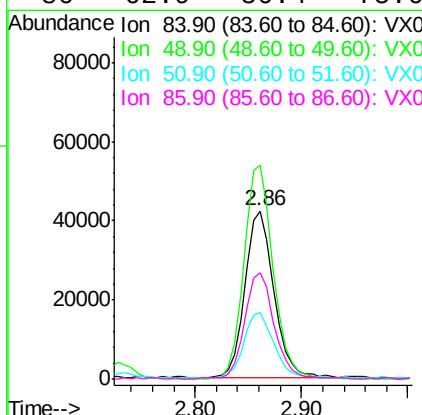
Manual Integrations
APPROVED

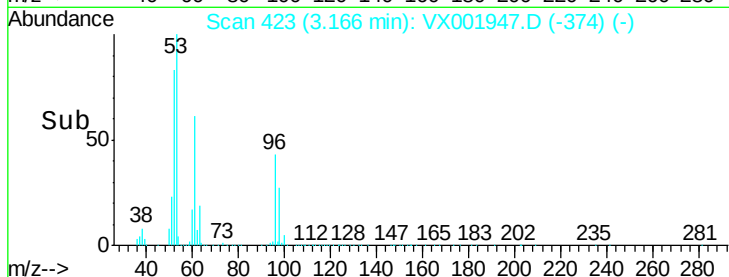
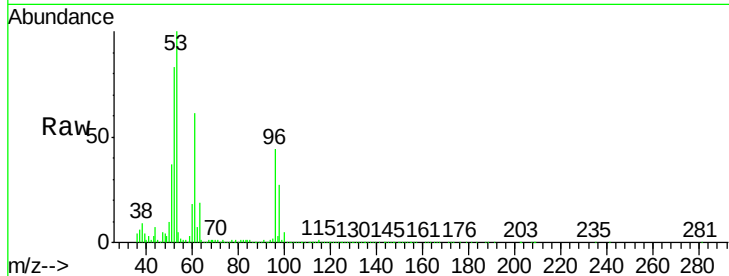
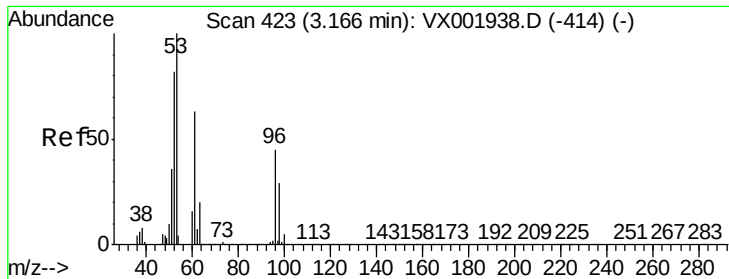
MMDadoda
5/25/2018 2:25:54 PM



#20
Methylene Chloride
Concen: 21.88 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.8	107.2	160.8
51	39.1	32.4	48.6
86	62.9	50.4	75.6





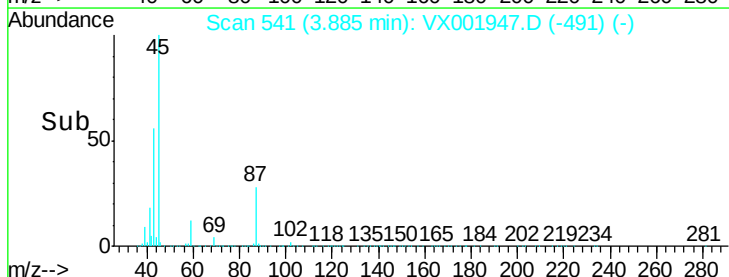
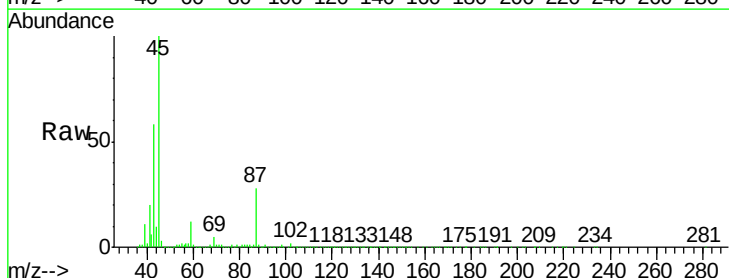
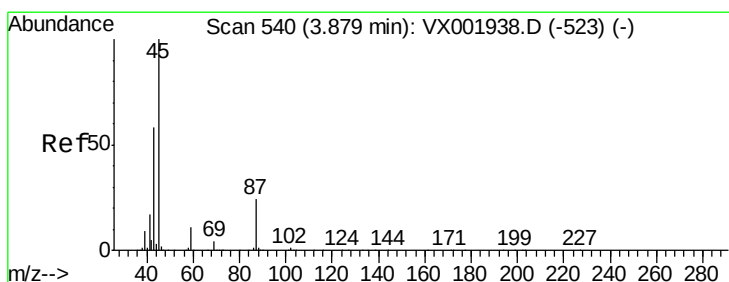
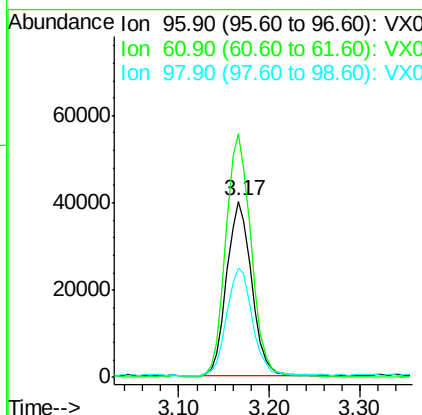
#21
trans-1,2-Dichloroethene
Concen: 21.98 ug/l
RT: 3.17 min Scan# 423
Delta R.T. -0.00 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.1	113.3	169.9
98	61.5	51.7	77.5

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBSD01

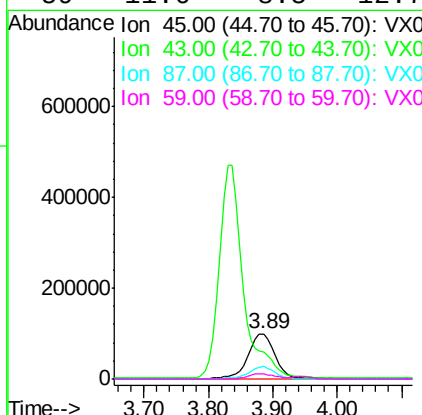
Manual Integrations
APPROVED

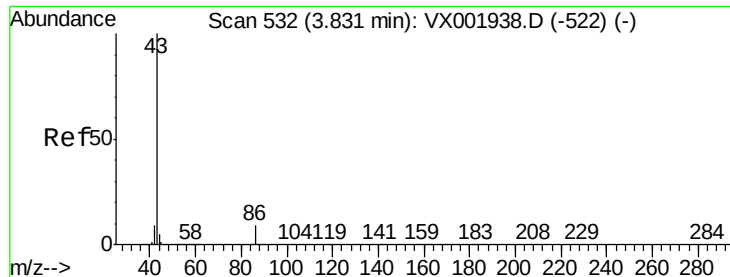
MMDadoda
5/25/2018 2:25:54 PM



#22
Diisopropyl ether
Concen: 18.90 ug/l
RT: 3.89 min Scan# 541
Delta R.T. 0.01 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.9	47.0	70.6
87	27.6	19.4	29.0
59	11.6	8.5	12.7





#23

Vinyl Acetate

Concen: 101.01 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBSD01

Tot Ion: 43 Resp: 1229217

Ion Ratio Lower Upper

43 100

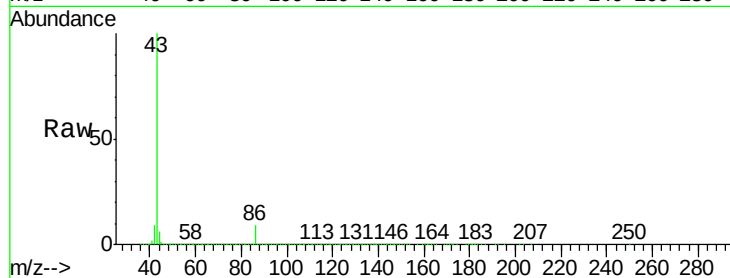
86 9.3 7.6 11.4

Manual Integrations

APPROVED

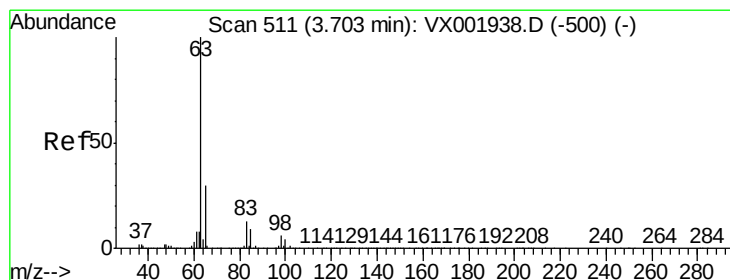
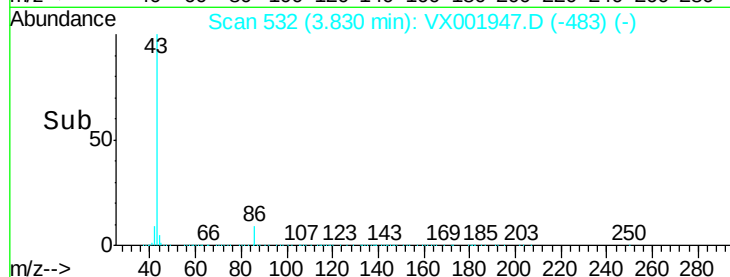
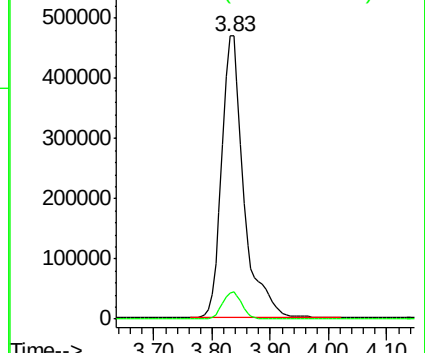
MMDadoda

5/25/2018 2:25:54 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 21.25 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

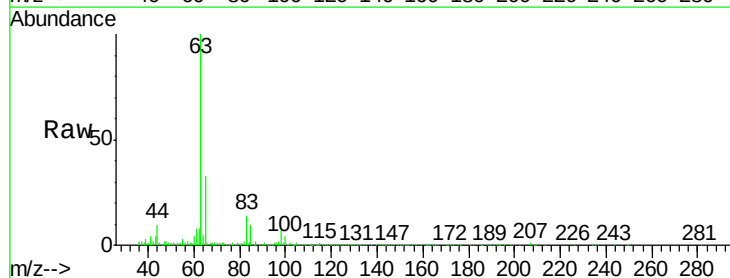
Tgt Ion: 63 Resp: 148151

Ion Ratio Lower Upper

63 100

98 7.4 3.3 9.8

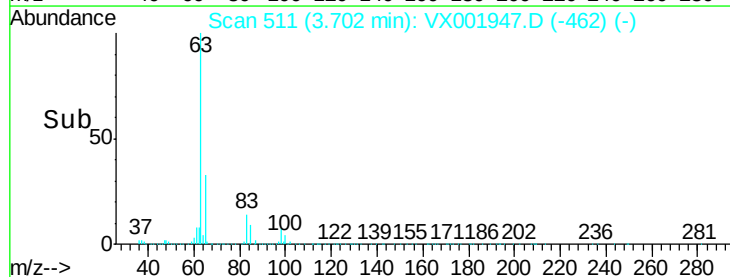
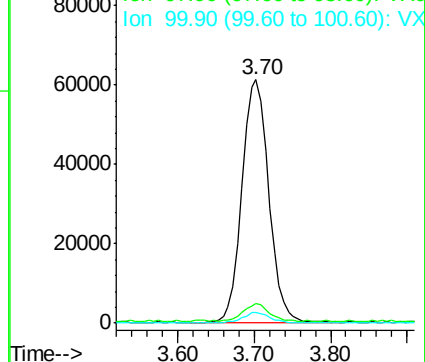
100 4.0 2.1 6.5

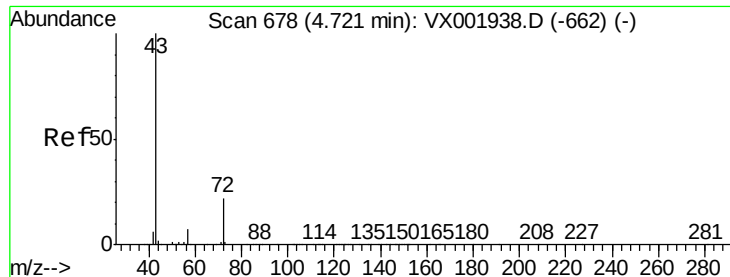


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 108.78 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Tot Ion: 43 Resp: 405625

Ion Ratio Lower Upper

43 100

72 22.8 17.9 26.9

Instrument :

MSVOA_X

ClientSampleId :

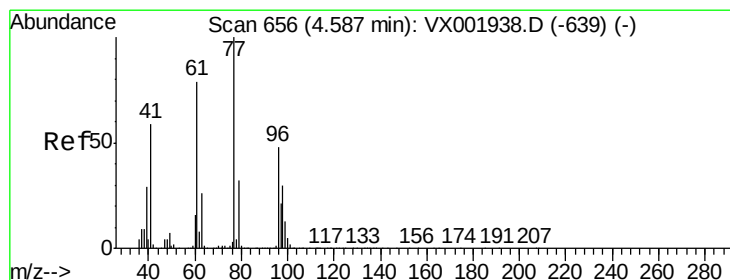
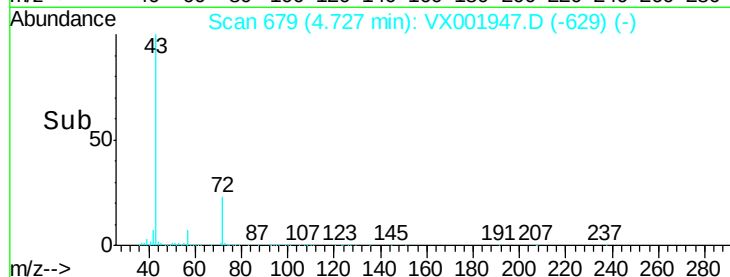
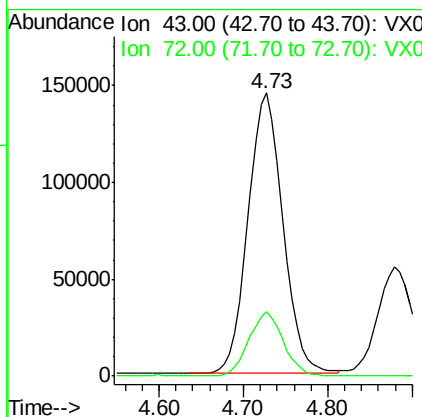
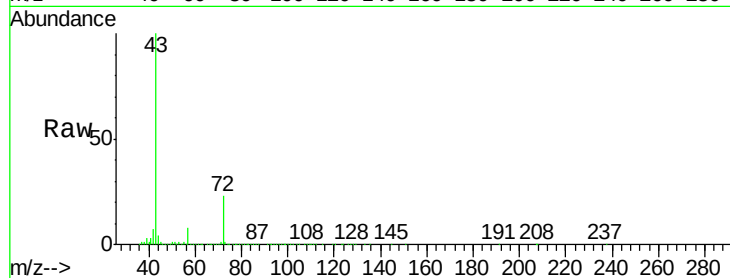
VX0524WBSD01

Manual Integrations

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MMDadoda

5/25/2018 2:25:54 PM



#26

2,2-Dichloropropane

Concen: 16.40 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX001947.D

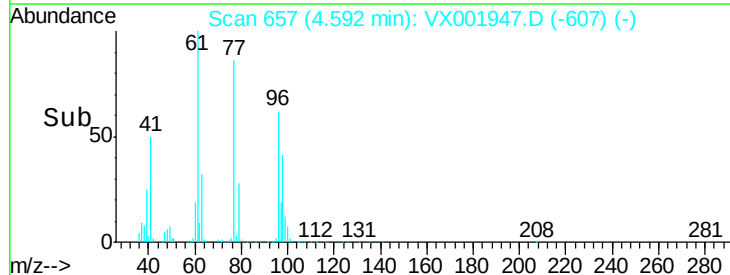
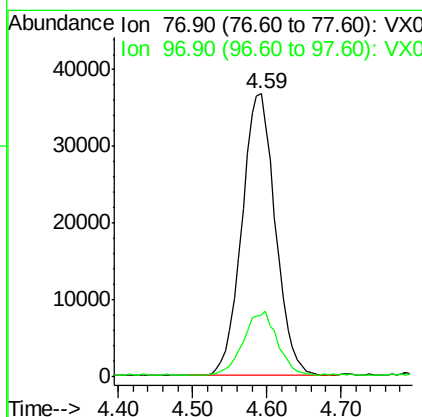
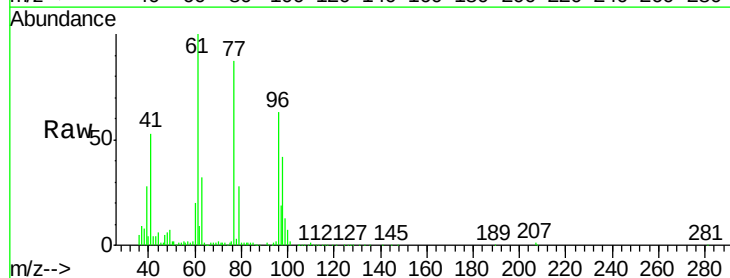
Acq: 24 May 2018 18:02

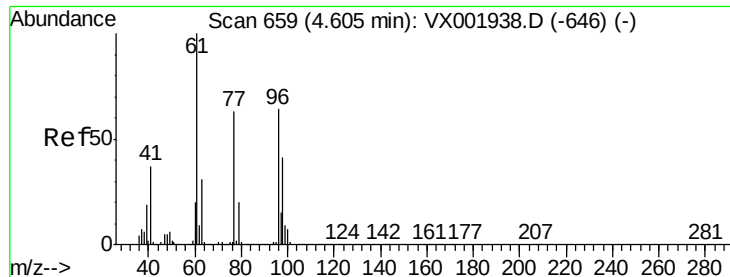
Tgt Ion: 77 Resp: 115752

Ion Ratio Lower Upper

77 100

97 23.4 11.2 33.5





#27

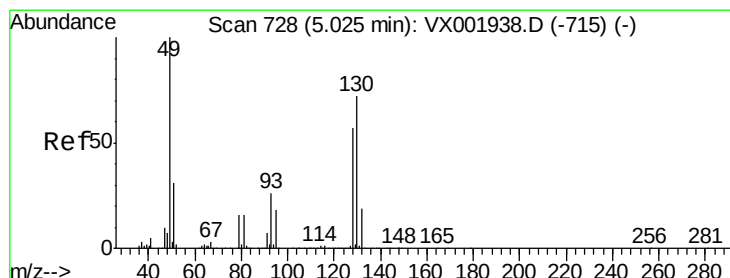
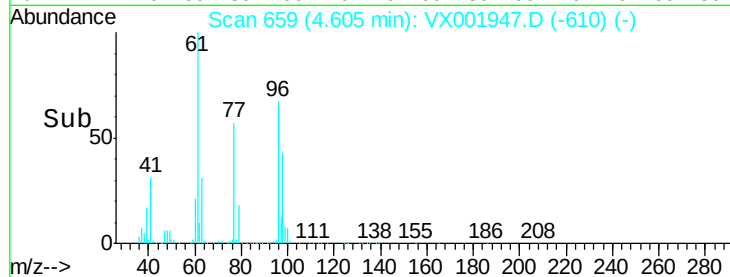
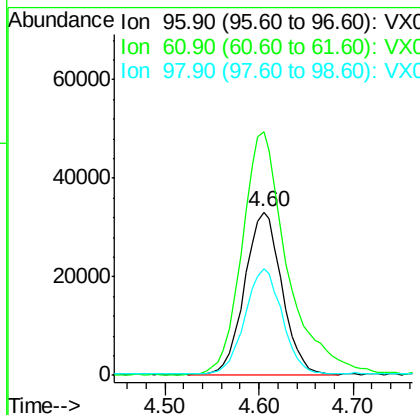
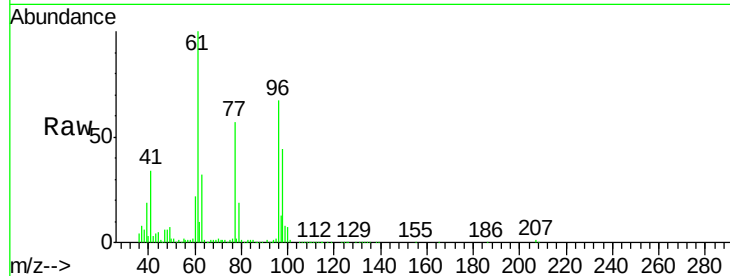
cis-1,2-Dichloroethene
Concen: 20.32 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	182.4	0.0	348.4
98	64.3	0.0	128.6

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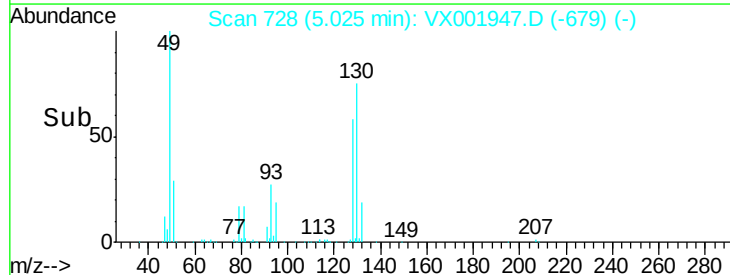
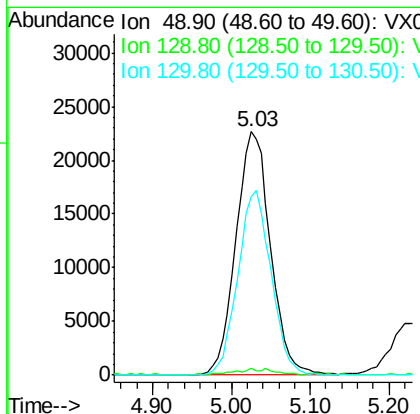
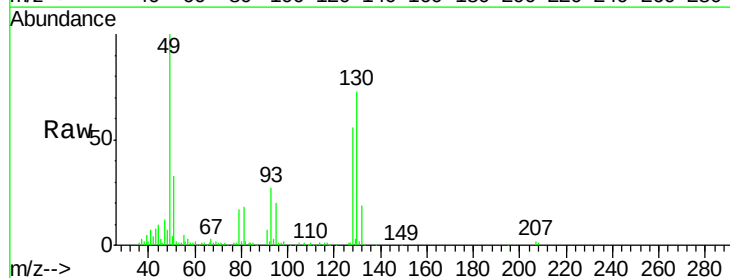
MMDadoda
5/25/2018 2:25:54 PM

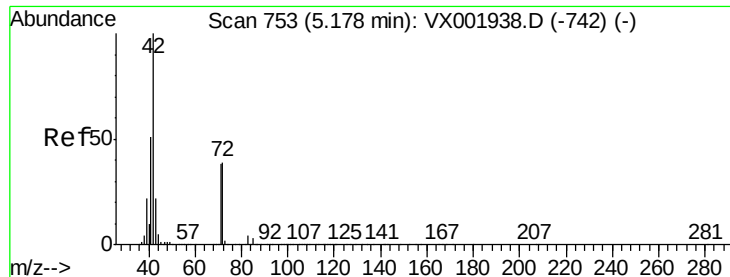


#28

Bromochloromethane
Concen: 22.51 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.8
130	72.8	59.4	89.2





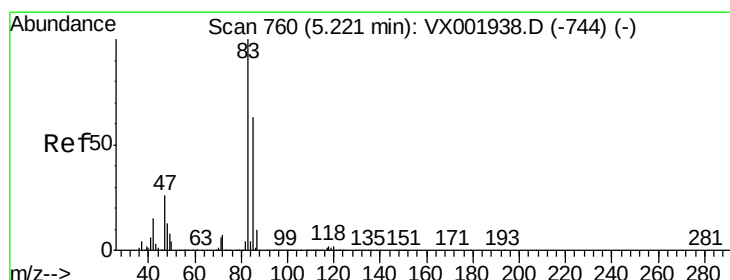
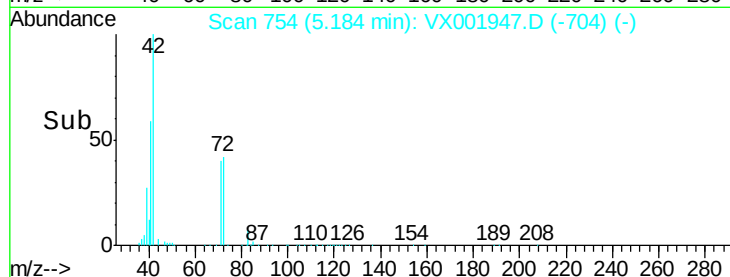
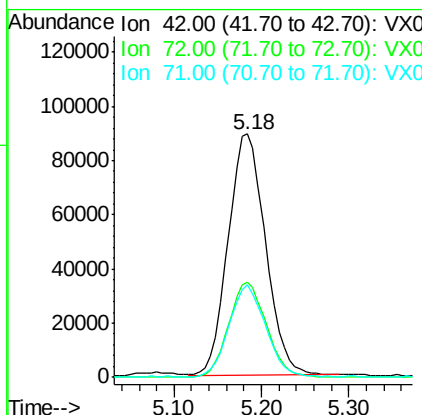
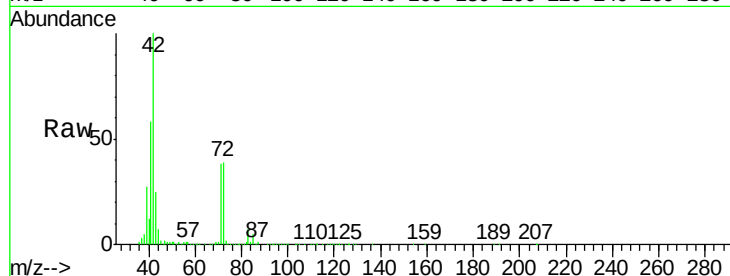
#29
Tetrahydrofuran
Concen: 108.99 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.7	31.4	47.0
71	36.9	29.5	44.3

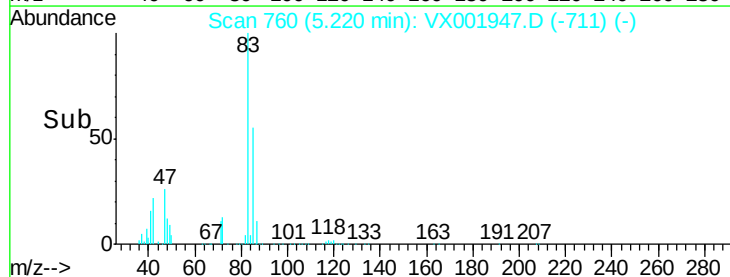
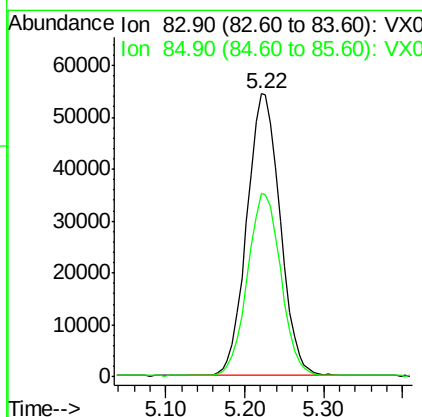
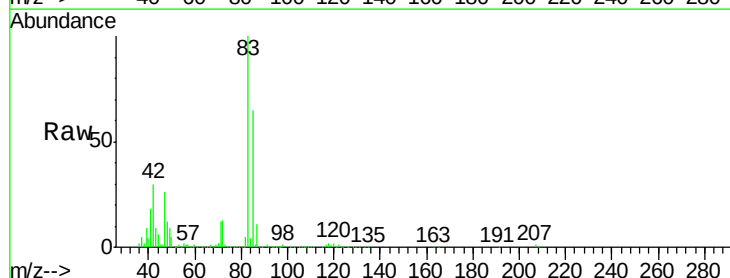
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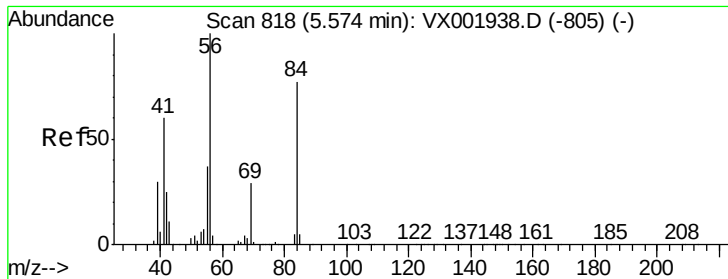
MMDadoda
5/25/2018 2:25:54 PM



#30
Chloroform
Concen: 20.29 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.9	76.3





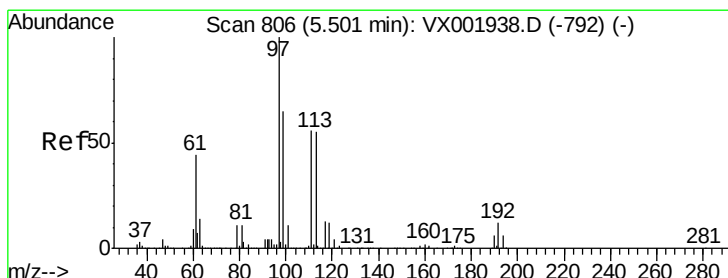
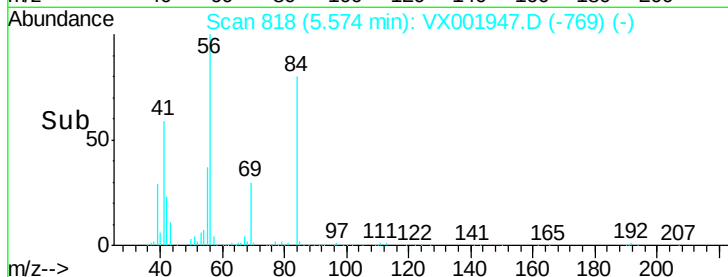
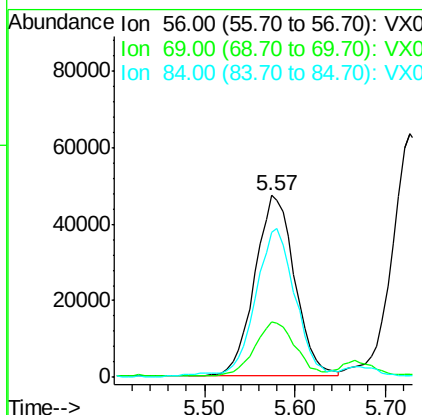
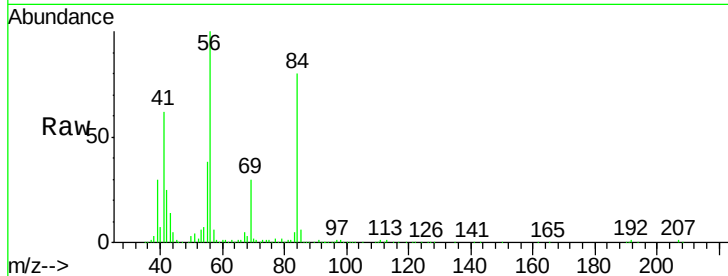
#31
Cyclohexane
Concen: 19.85 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.1	34.7
84	78.7	62.0	93.0

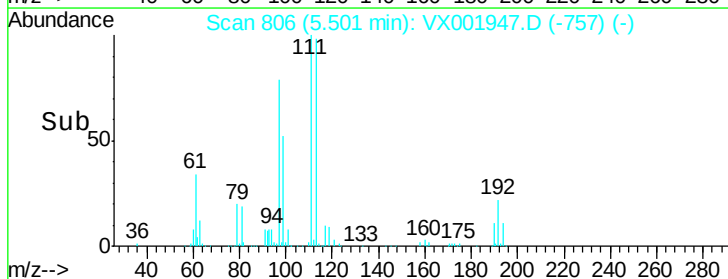
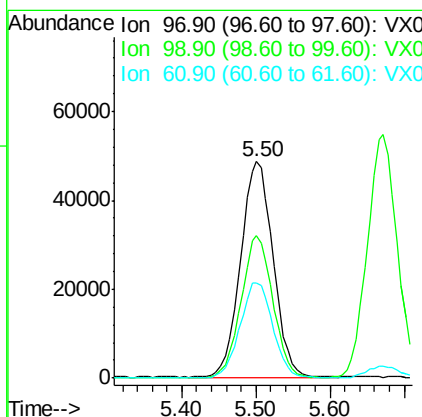
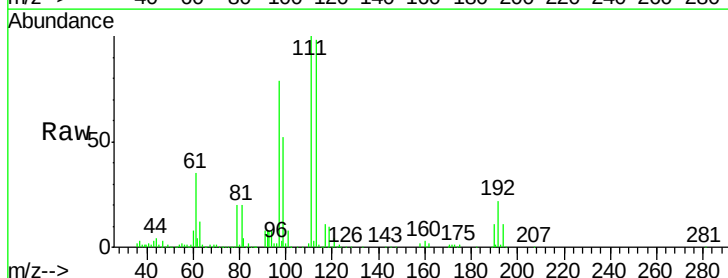
Manual Integrations
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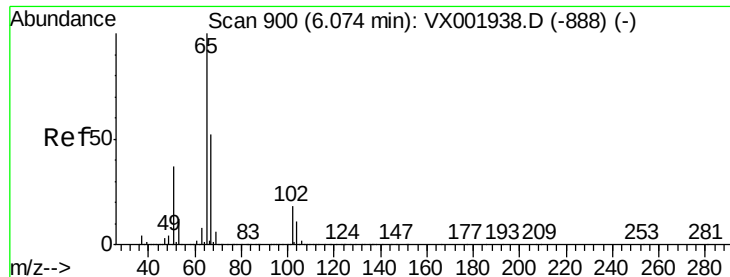
MMDadoda
5/25/2018 2:25:54 PM



#32
1,1,1-Trichloroethane
Concen: 20.24 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.9	77.9
61	44.5	35.9	53.9





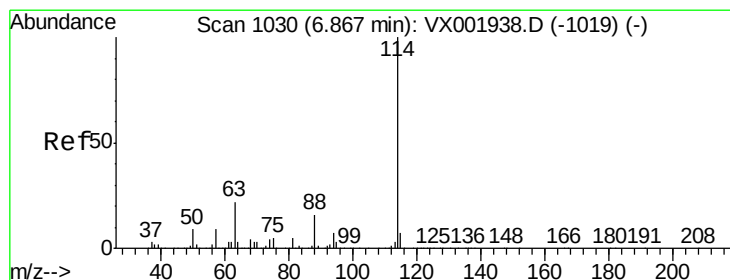
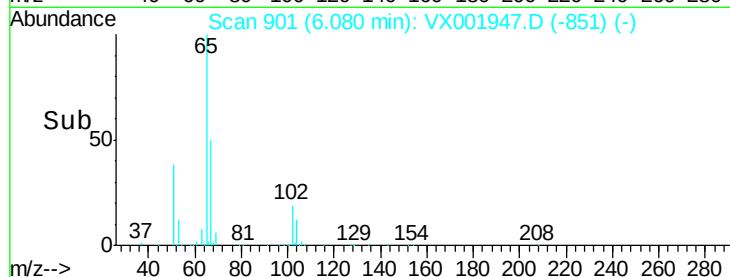
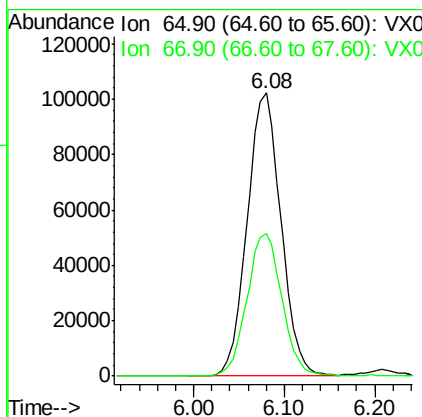
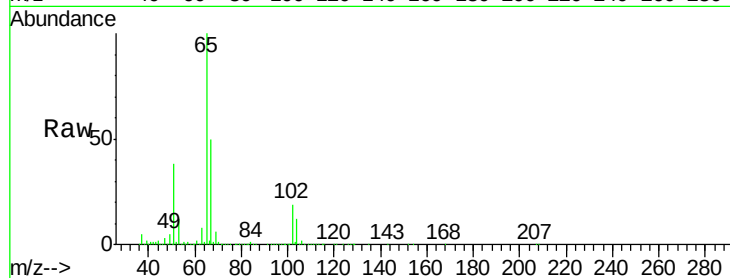
#33
 1,2-Dichloroethane-d4
 Concen: 50.05 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001947.D
 Acq: 24 May 2018 18:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	263858		
67	51.3	0.0	104.0	

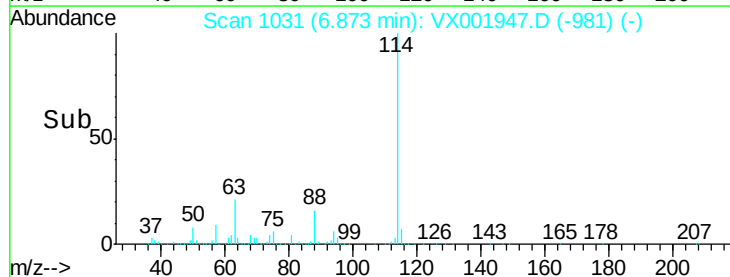
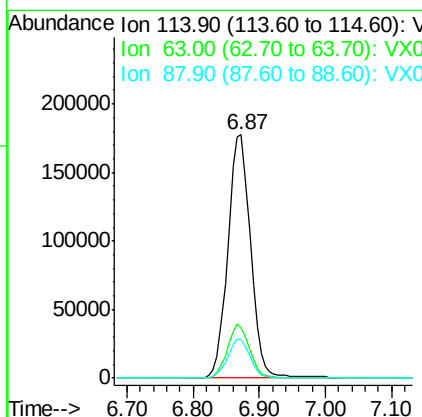
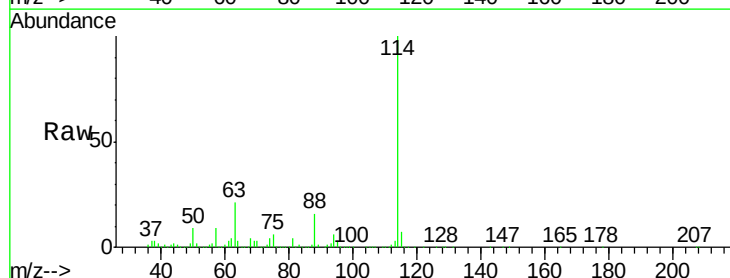
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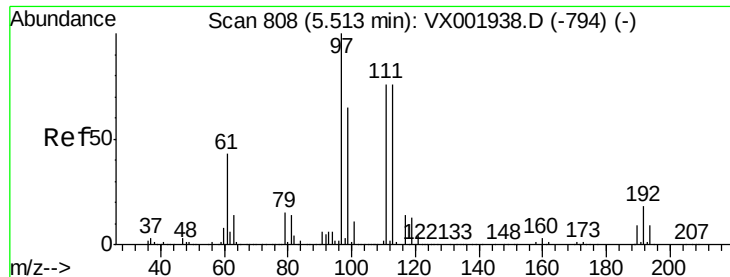
MMDadoda
 5/25/2018 2:25:54 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001947.D
 Acq: 24 May 2018 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	424705		
63	20.7	0.0	43.2	
88	15.8	0.0	31.6	





#35

Dibromofluoromethane

Concen: 48.27 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Instrument :

MSVOA_X

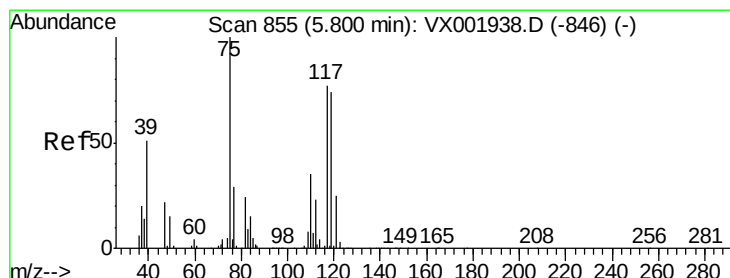
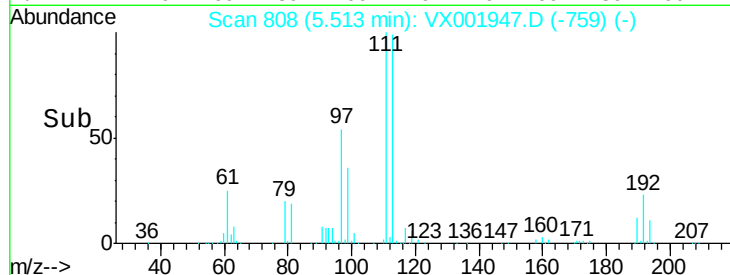
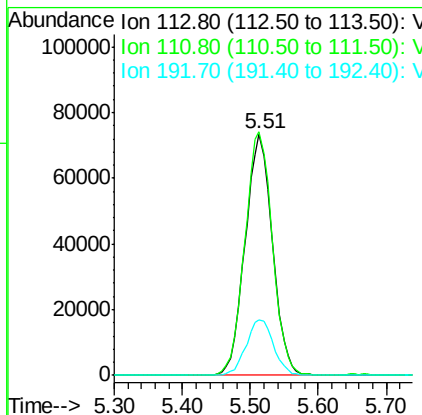
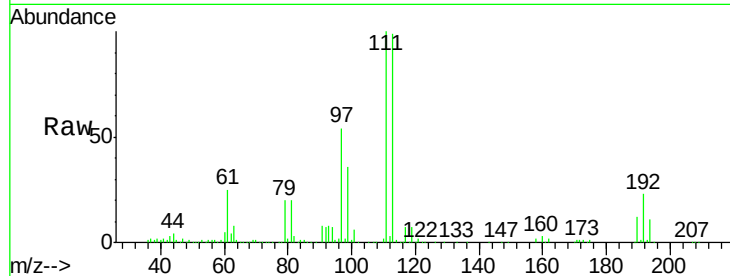
ClientSampleId :

VX0524WBSD01

Tot Ion:	113	Resp:	204993
Ion Ratio	Lower	Upper	
113	100		
111	101.6	82.0	123.0
192	23.2	18.9	28.3

Manual Integrations
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5/25/2018 2:25:54 PM



#36

1,1-Dichloropropene

Concen: 19.08 ug/l

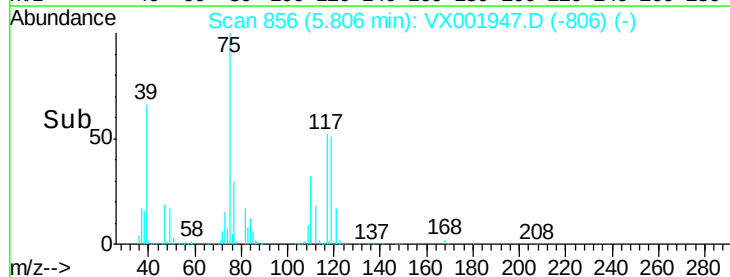
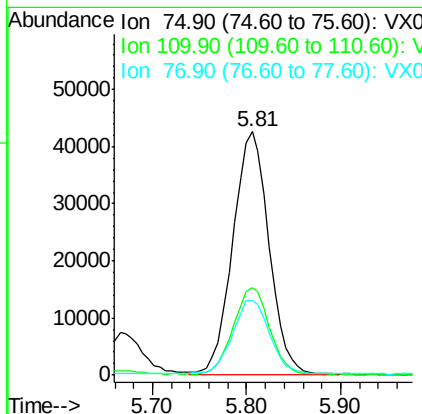
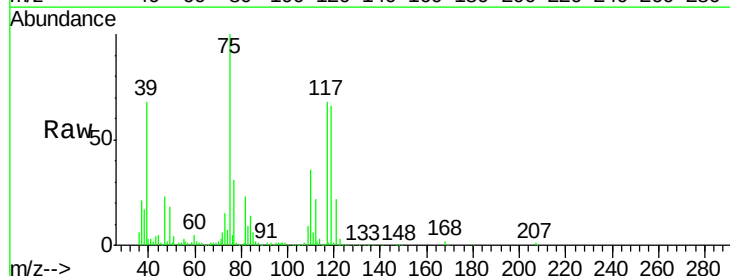
RT: 5.81 min Scan# 856

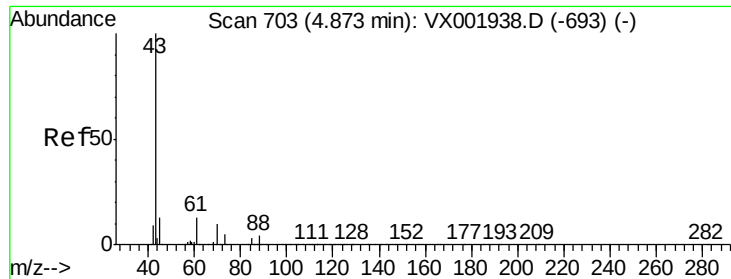
Delta R.T. 0.01 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Tgt Ion:	75	Resp:	112709
Ion Ratio	Lower	Upper	
75	100		
110	36.1	17.4	52.2
77	31.2	24.4	36.6





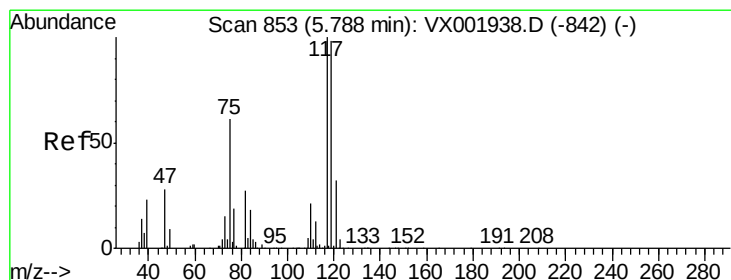
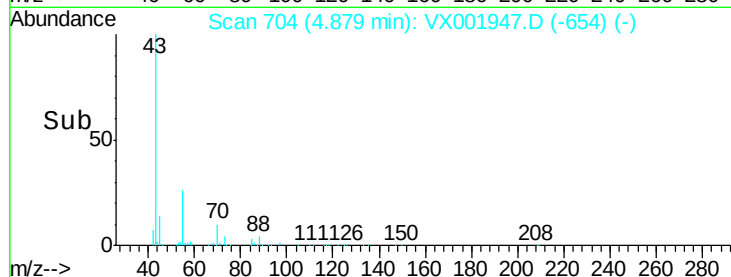
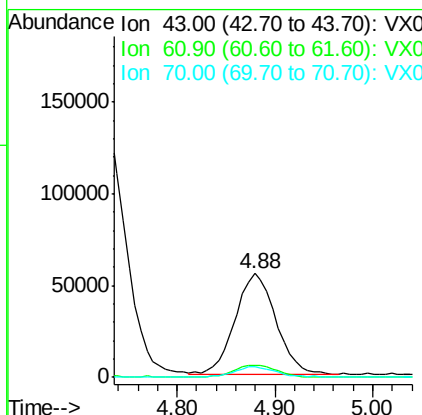
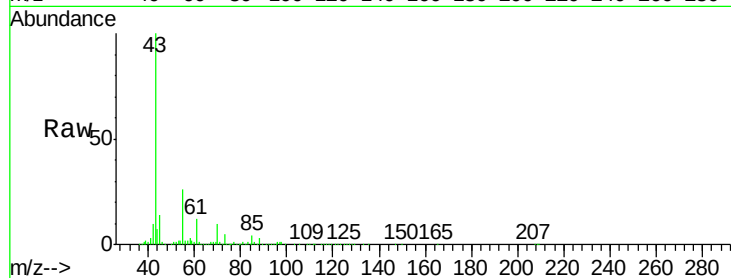
#37
Ethyl Acetate
Concen: 20.56 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.2	15.2
70	10.0	7.8	11.8

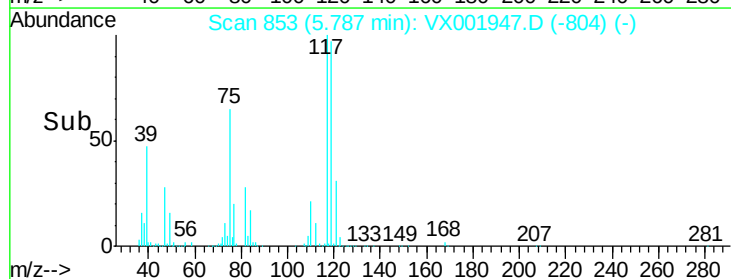
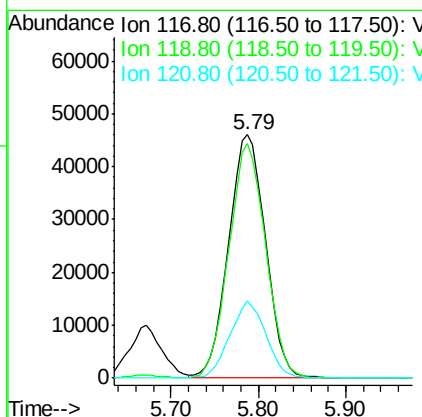
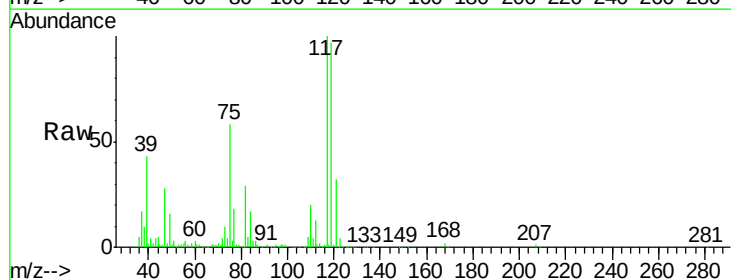
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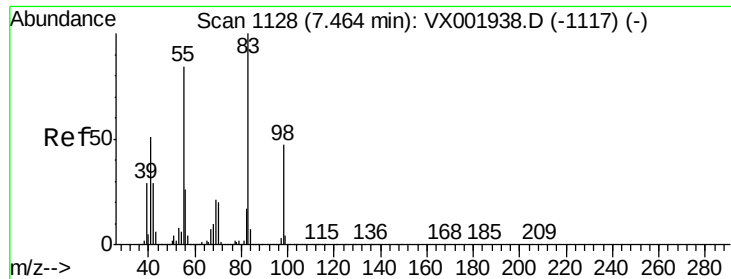
MMDadoda
5/25/2018 2:25:54 PM



#38
Carbon Tetrachloride
Concen: 19.55 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	78.5	117.7
121	31.8	25.5	38.3





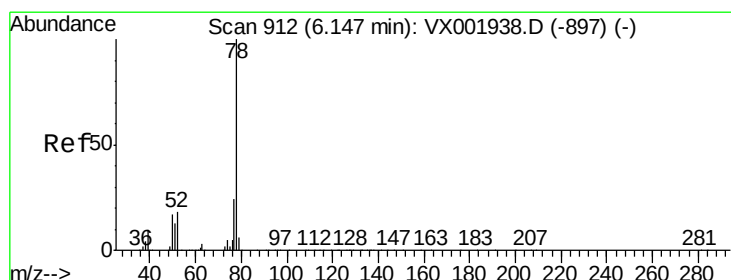
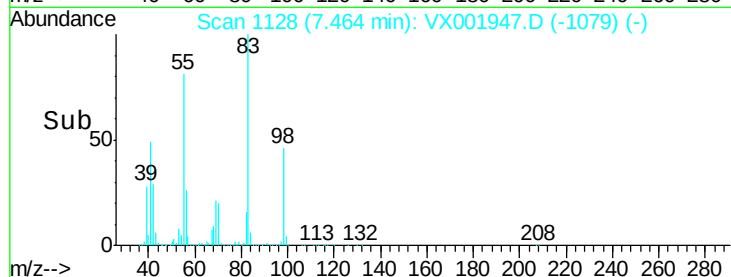
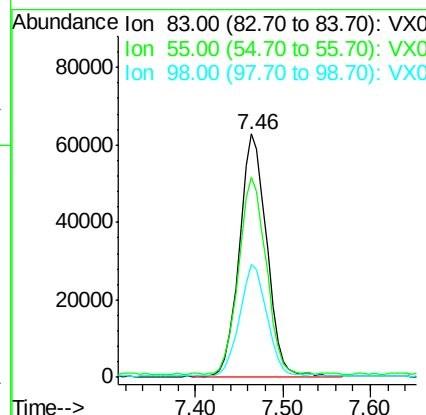
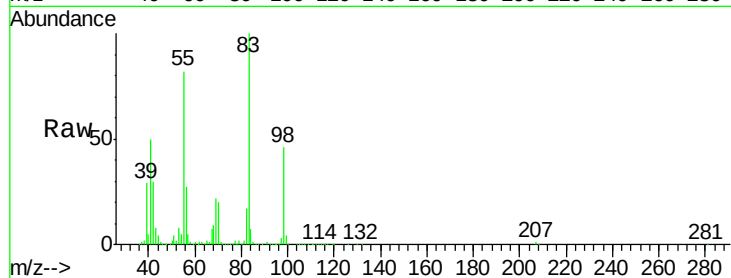
#39
Methylvlcyclohexane
Concen: 18.78 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.1	67.3	100.9
98	46.0	37.5	56.3

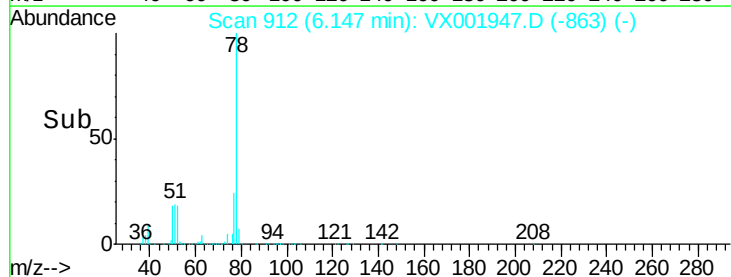
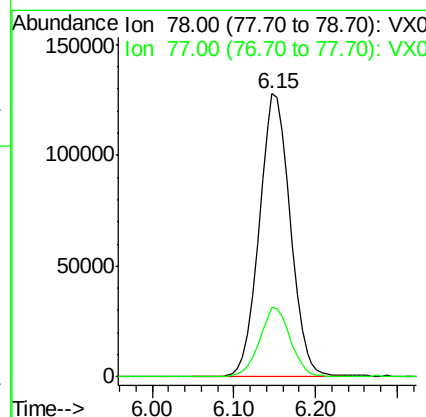
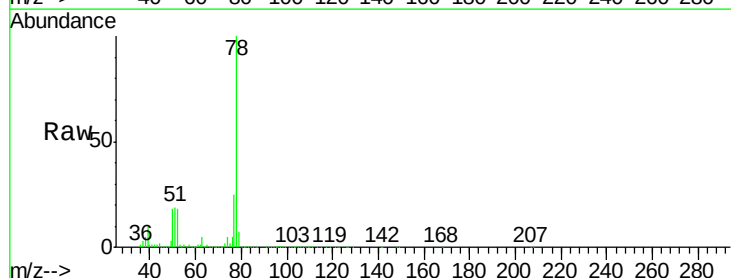
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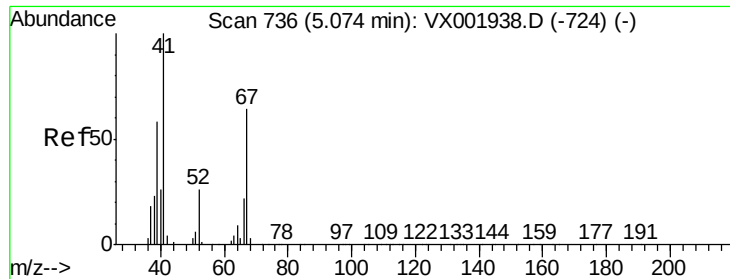
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#40
Benzene
Concen: 19.59 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.1	28.7





#41

Methacrylonitrile

Concen: 21.08 ug/l

RT: 5.07 min Scan# 736

Delta R.T. 0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Instrument :

MSVOA_X

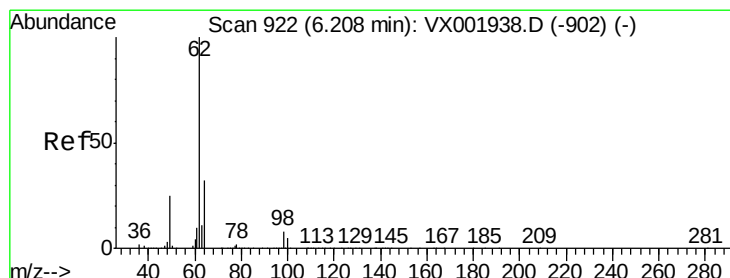
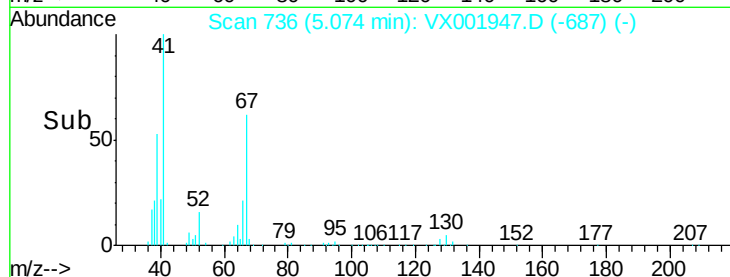
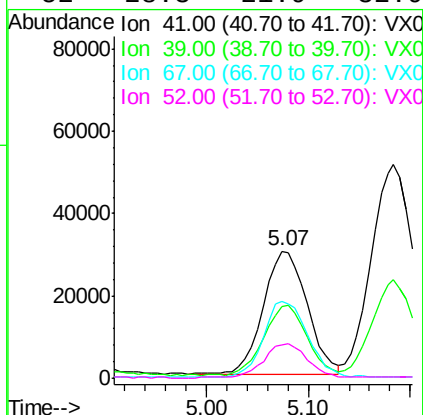
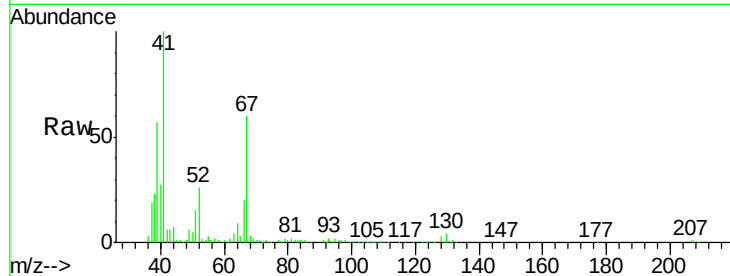
ClientSampleId :

VX0524WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		88877		
39	55.6	46.0	69.0		
67	62.3	50.6	75.8		
52	28.3	21.9	32.9		

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.27 ug/l

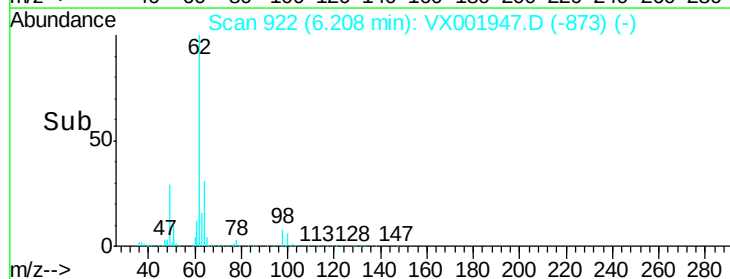
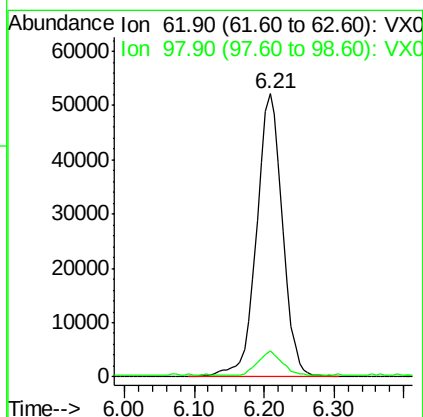
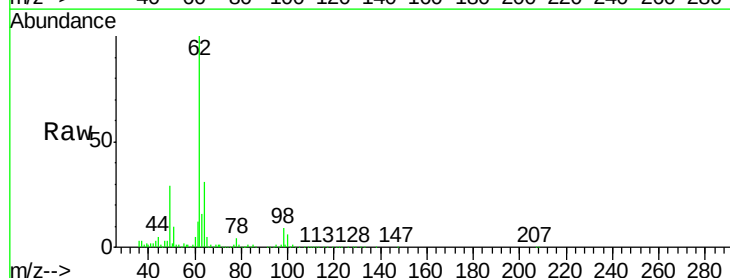
RT: 6.21 min Scan# 922

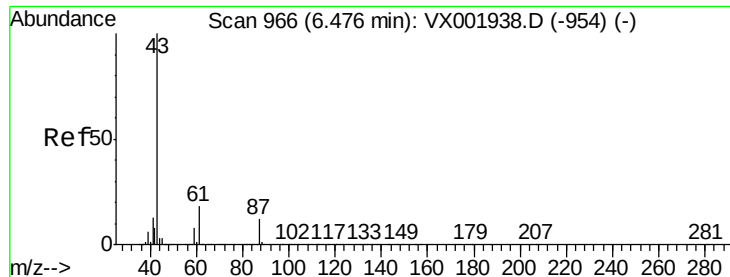
Delta R.T. -0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		133224		
98	8.6	0.0	17.0		





#43

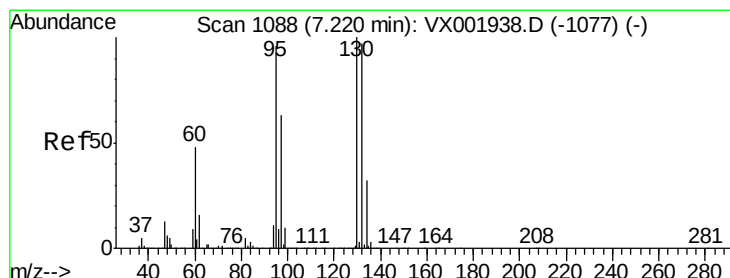
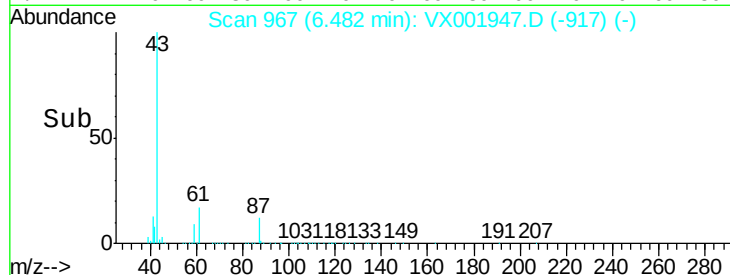
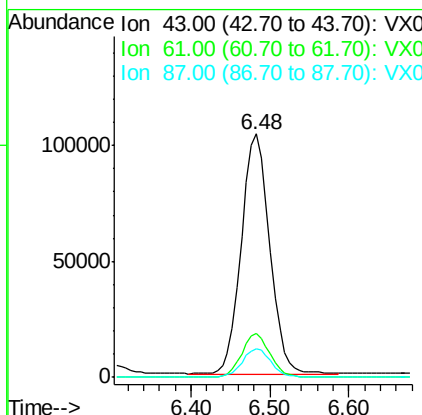
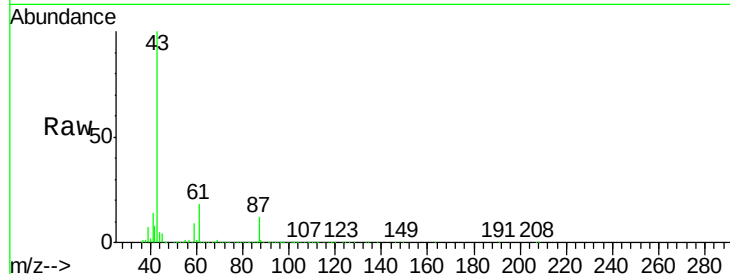
Isopropyl Acetate
 Concen: 20.41 ug/l
 RT: 6.48 min Scan# 967
 Delta R.T. 0.01 min
 Lab File: VX001947.D
 Acq: 24 May 2018 18:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.5	21.7
87	11.7	9.5	14.3

Manual Integrations
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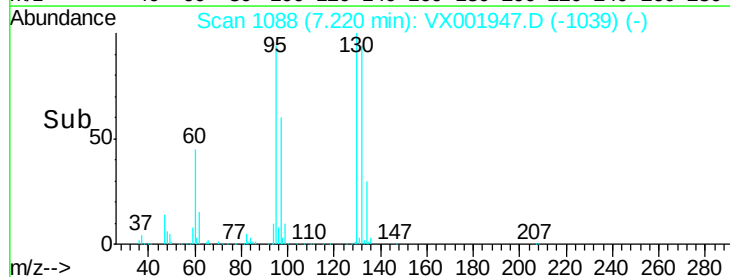
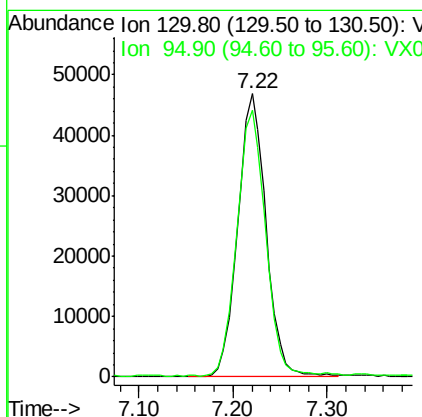
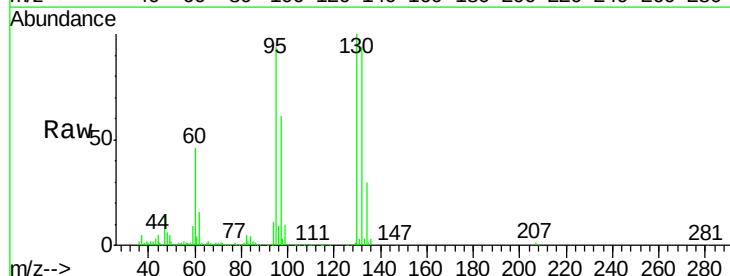
MMDadoda
 5/25/2018 2:25:54 PM

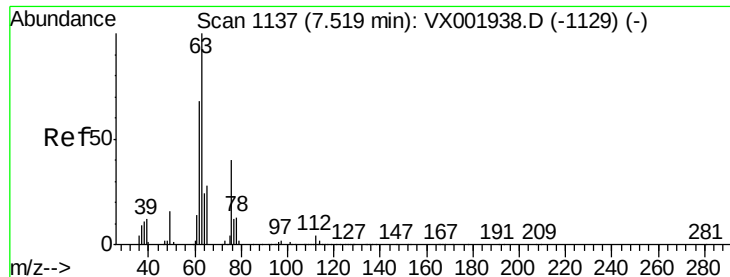


#44

Trichloroethene
 Concen: 19.46 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX001947.D
 Acq: 24 May 2018 18:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	192.0





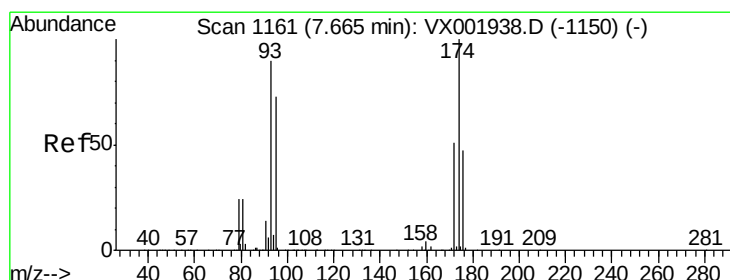
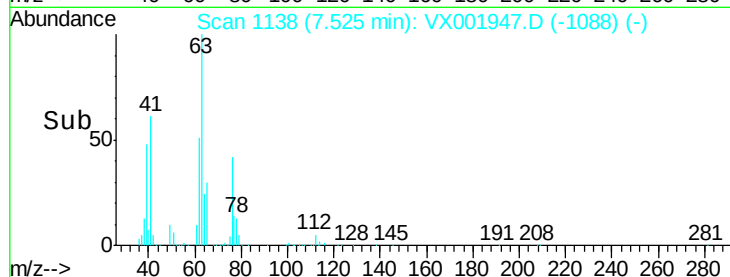
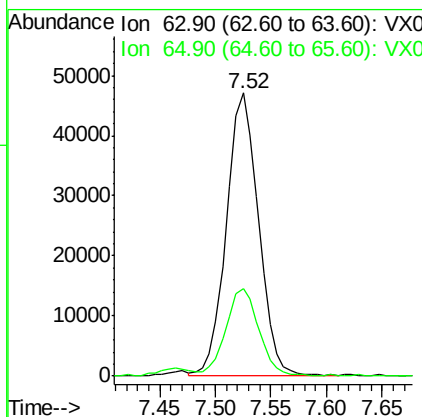
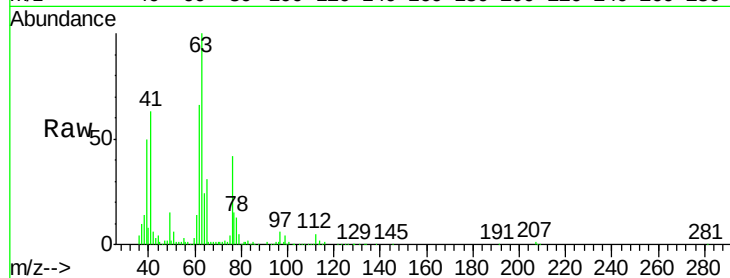
#45
 1,2-Dichloropropane
 Concen: 19.99 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VX001947.D
 Acq: 24 May 2018 18:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.1	36.1

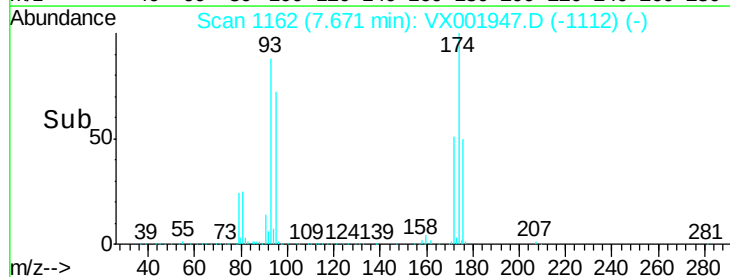
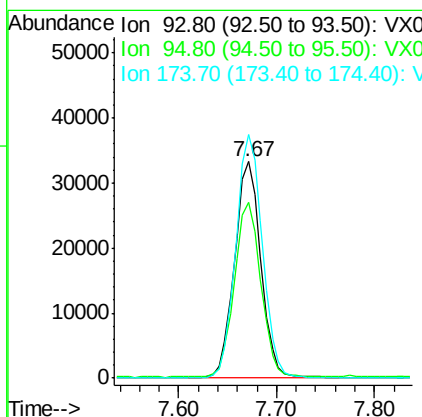
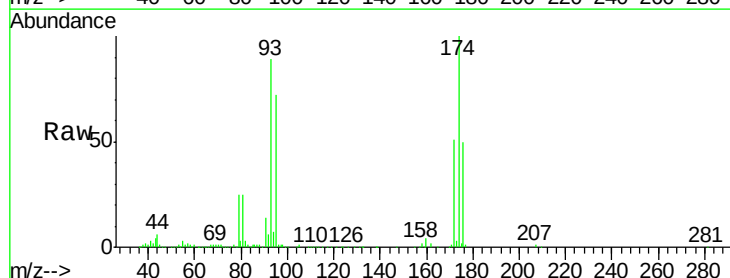
Manual Integrations
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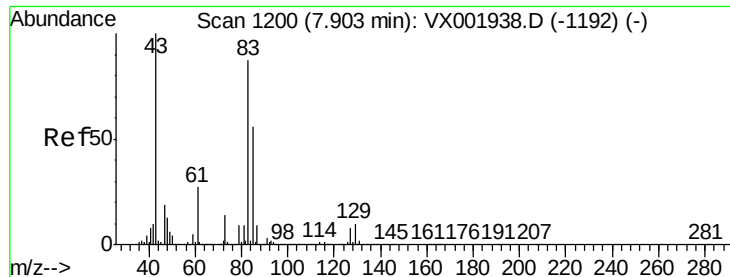
MMDadoda
 5/25/2018 2:25:54 PM



#46
 Dibromomethane
 Concen: 20.10 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: VX001947.D
 Acq: 24 May 2018 18:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.5	66.1	99.1
174	112.8	92.5	138.7





#47

Bromodichloromethane

Concen: 19.67 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Instrument :

MSVOA_X

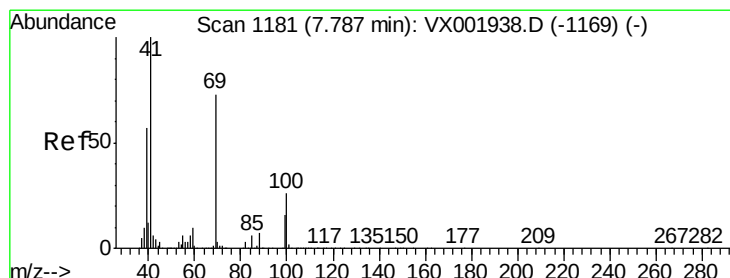
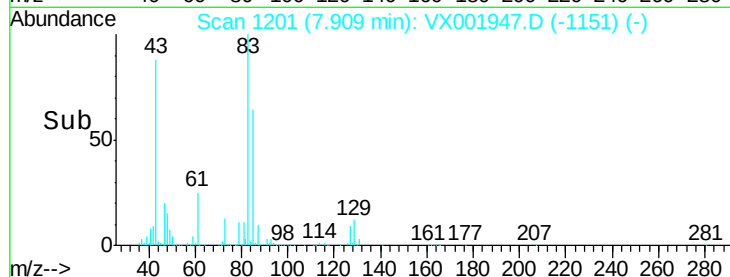
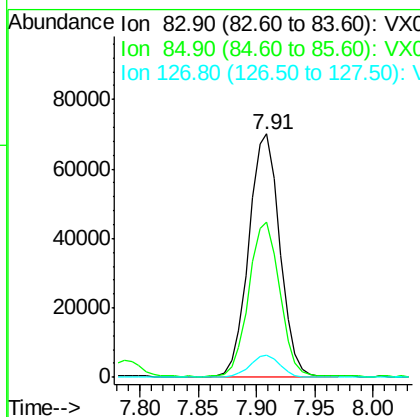
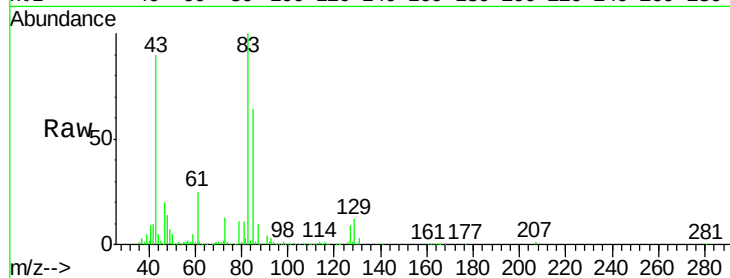
ClientSampleId :

VX0524WBSD01

Tot Ion:	83	Resp:	130484
Ion Ratio	Lower	Upper	
83	100		
85	63.5	51.4	77.2
127	9.3	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.13 ug/l

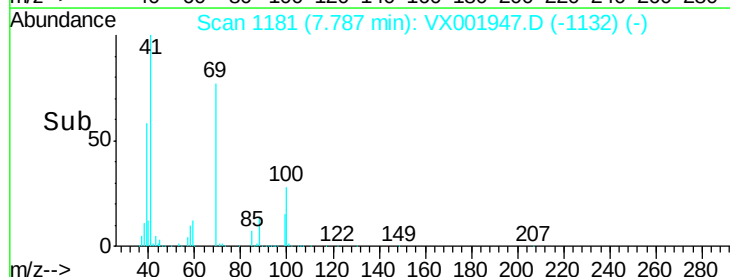
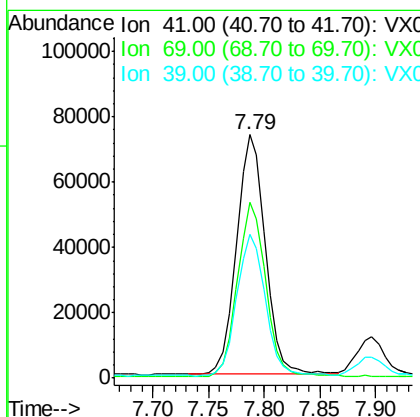
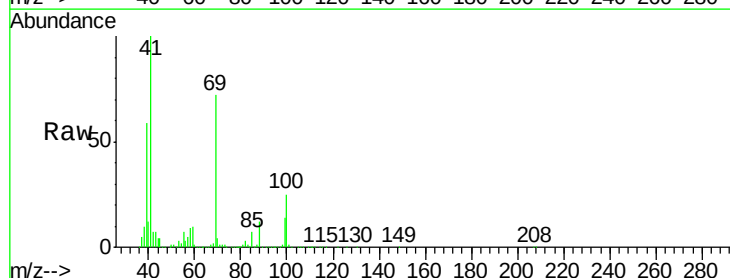
RT: 7.79 min Scan# 1181

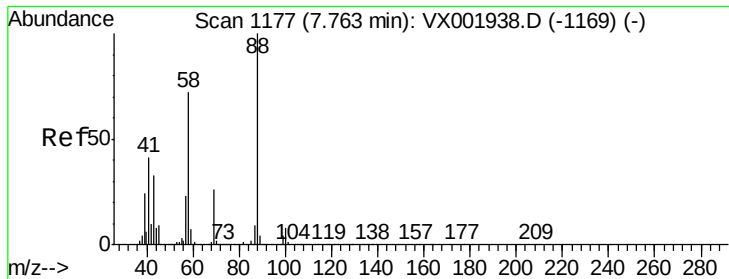
Delta R.T. -0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Tgt Ion:	41	Resp:	131469
Ion Ratio	Lower	Upper	
41	100		
69	71.7	58.6	87.8
39	58.8	46.3	69.5





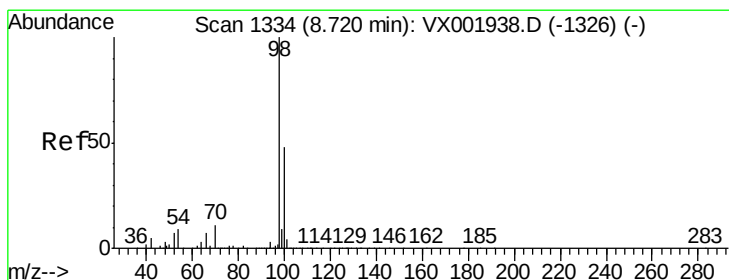
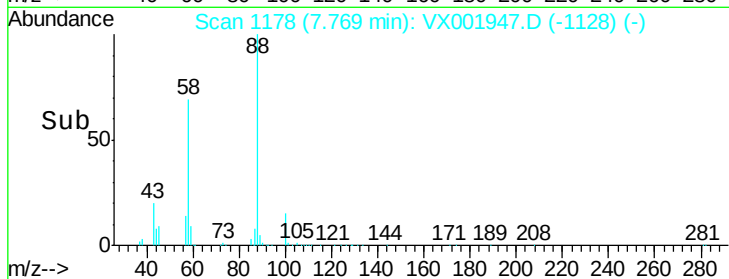
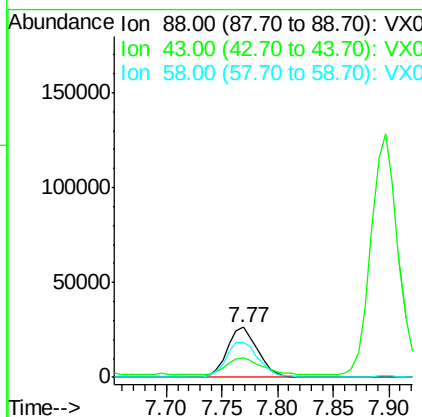
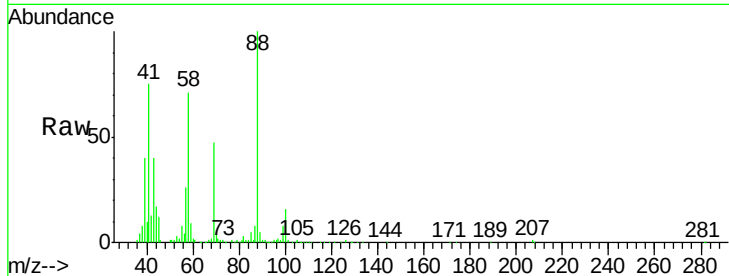
#49
 1,4-Dioxane
 Concen: 435.93 ug/l
 RT: 7.77 min Scan# 1178
 Delta R.T. 0.01 min
 Lab File: VX001947.D
 Acq: 24 May 2018 18:02

Instrument :
 MSVOA_X
 ClientSampled :
 VX0524WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	29.8	44.8
58	74.2	58.7	88.1

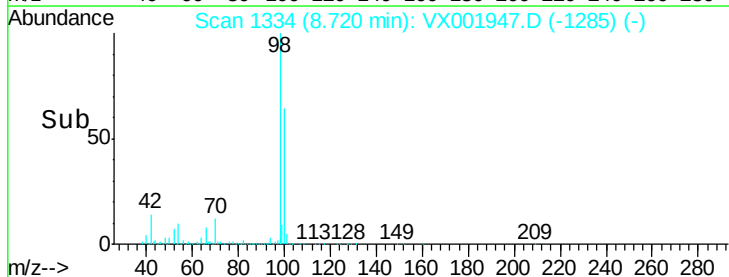
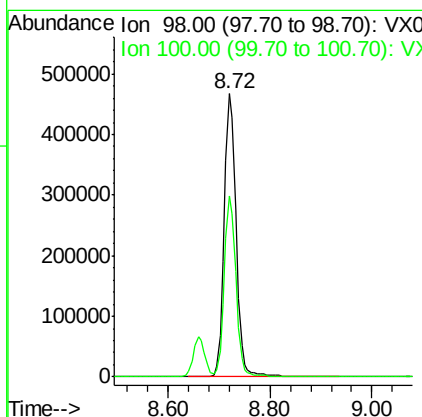
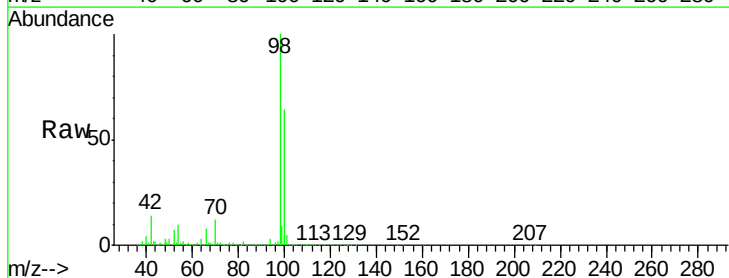
Manual Integrations
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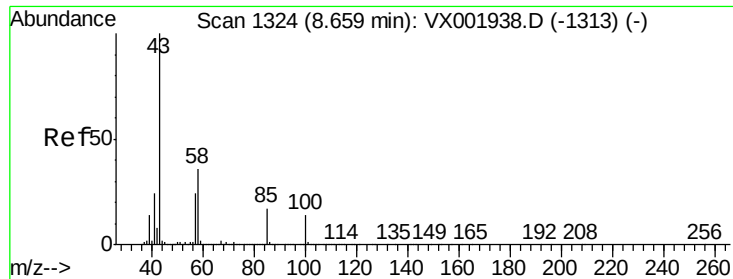
MMDadoda
 5/25/2018 2:25:54 PM



#50
 Toluene-d8
 Concen: 49.17 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX001947.D
 Acq: 24 May 2018 18:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.9	51.5	77.3





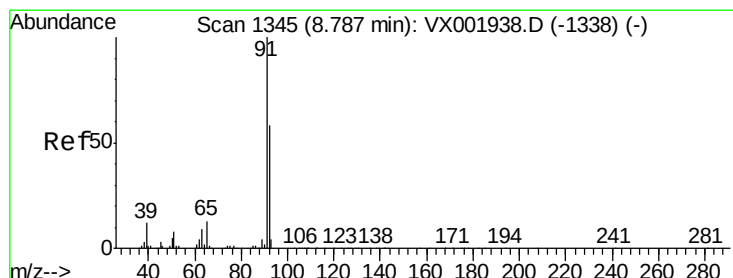
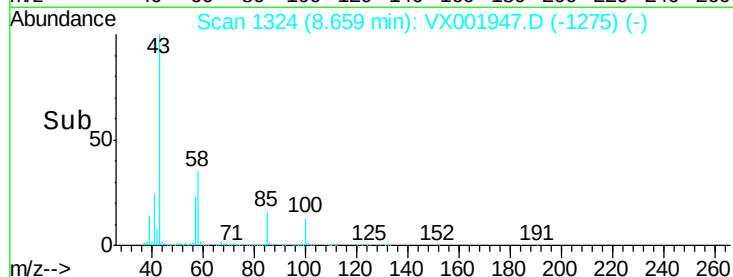
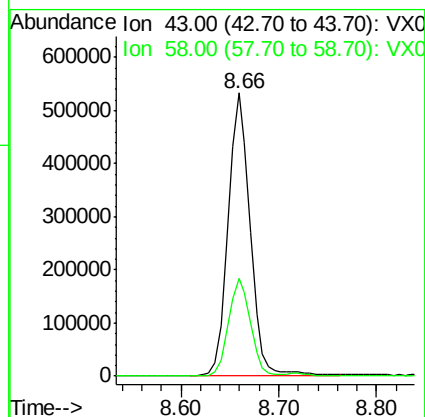
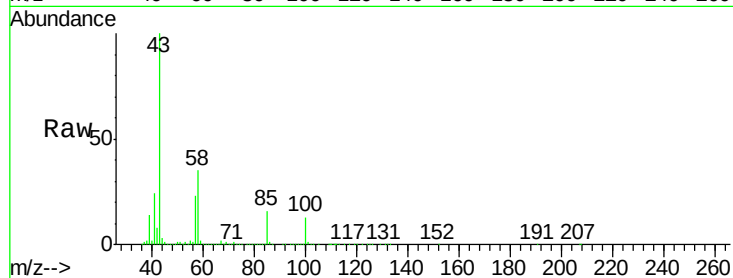
#51
4-Methyl-2-Pentanone
Concen: 106.75 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.5	28.5	42.7

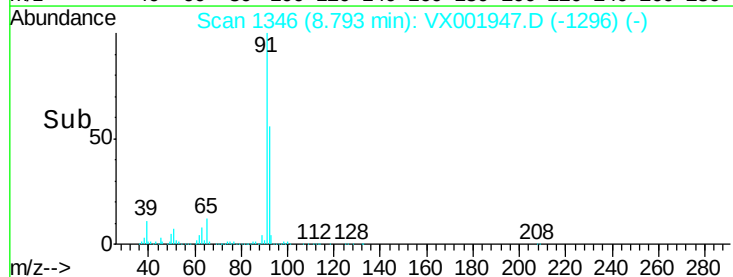
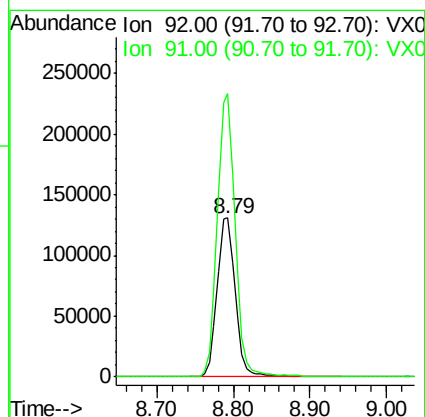
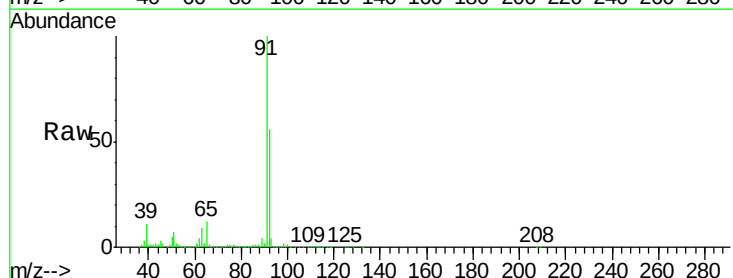
Manual Integrations
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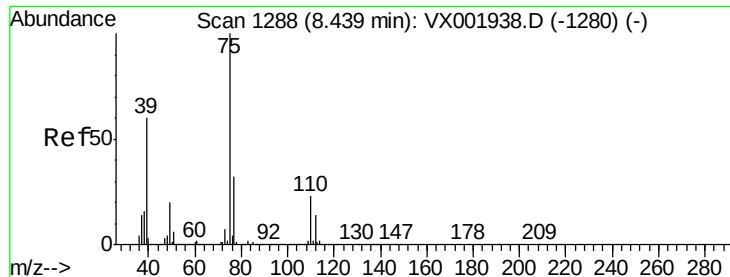
MMDadoda
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#52
Toluene
Concen: 19.60 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.6	139.4	209.2





#53

t-1,3-Dichloropropene

Concen: 19.26 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Instrument :

MSVOA_X

ClientSampled :

VX0524WBSD01

Tot Ion: 75 Resp: 147167

Ion Ratio Lower Upper

75 100

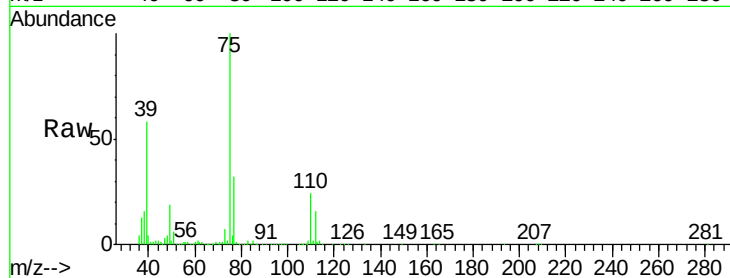
77 32.1 25.5 38.3

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.45

100000

80000

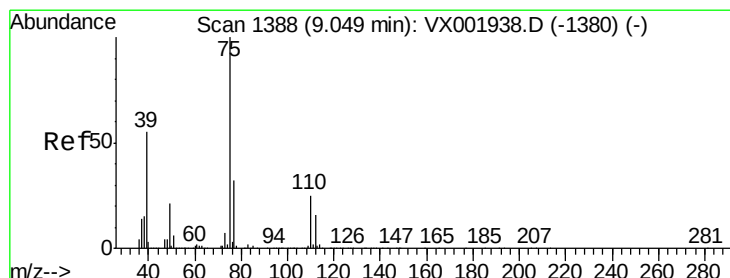
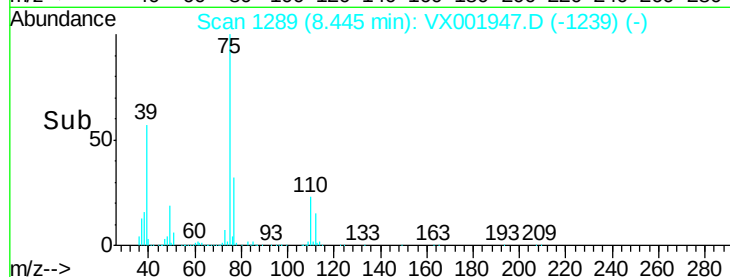
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.21 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

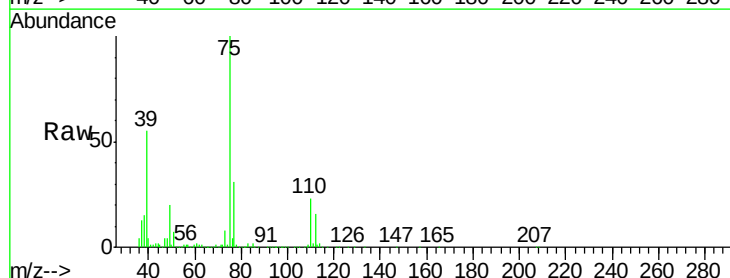
Tgt Ion: 75 Resp: 143060

Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.0

39 54.3 44.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

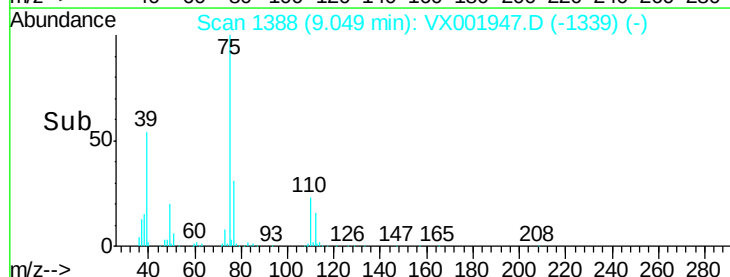
9.05

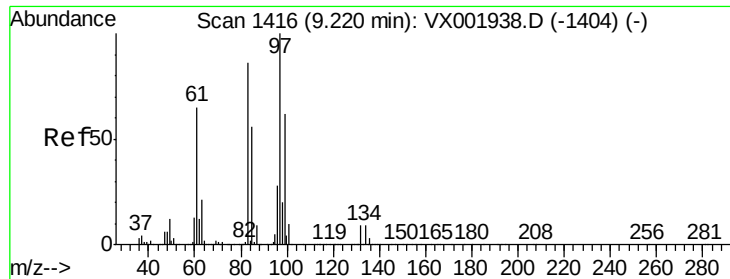
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 19.28 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Instrument :

MSVOA_X

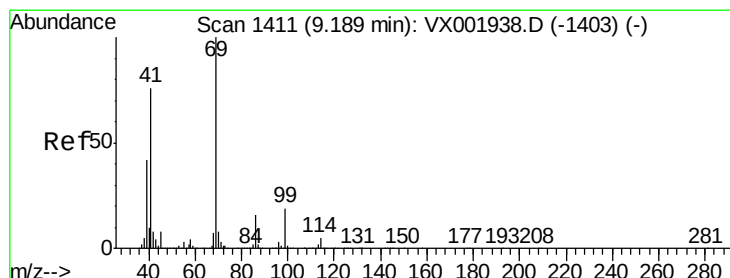
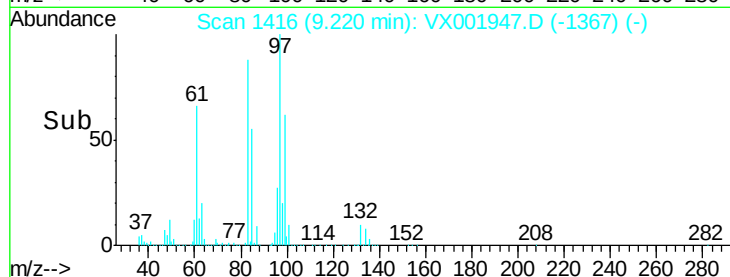
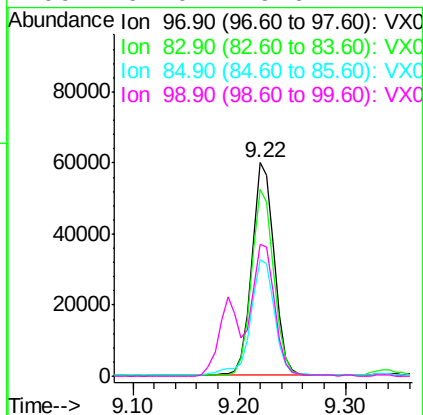
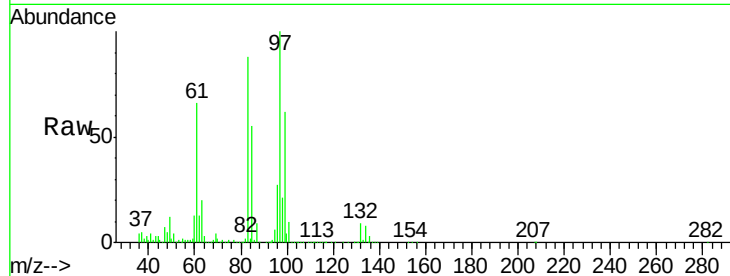
ClientSampleId :

VX0524WBSD01

Tot Ion:	97	Resp:	88705
Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.1	103.7
85	54.6	45.2	67.8
99	62.0	49.6	74.4

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#56

Ethyl methacrylate

Concen: 19.40 ug/l

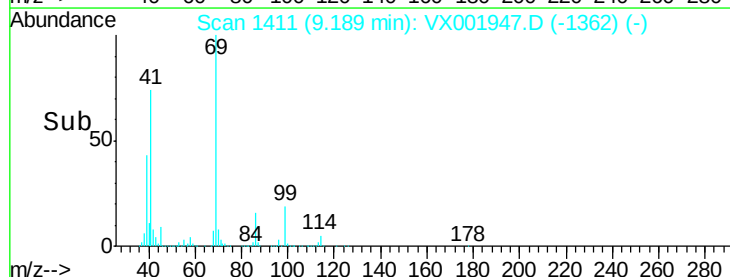
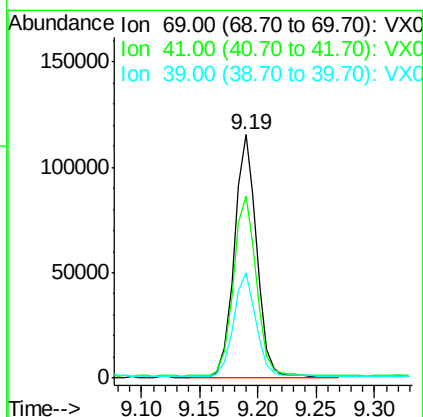
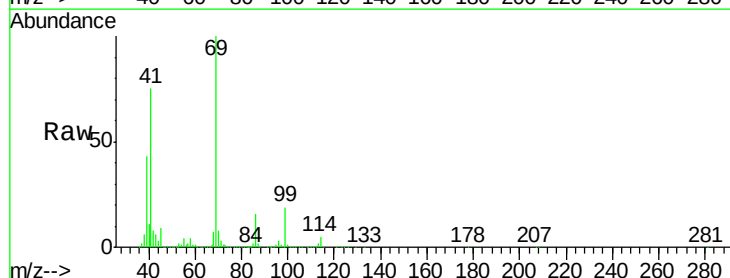
RT: 9.19 min Scan# 1411

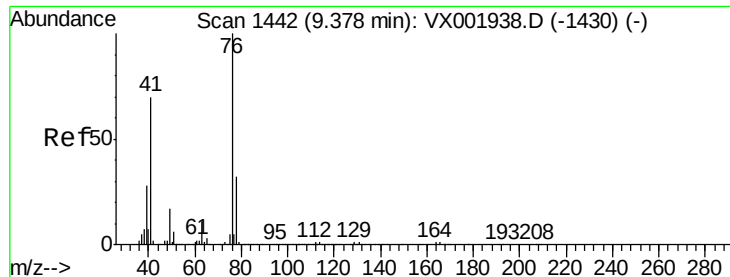
Delta R.T. -0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Tgt Ion:	69	Resp:	153540
Ion	Ratio	Lower	Upper
69	100		
41	77.2	61.0	91.6
39	44.1	34.4	51.6





#57

1,3-Dichloropropane

Concen: 19.86 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBSD01

Tot Ion: 76 Resp: 150508

Ion Ratio Lower Upper

76 100

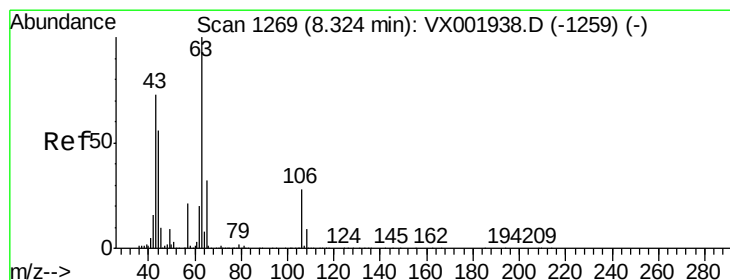
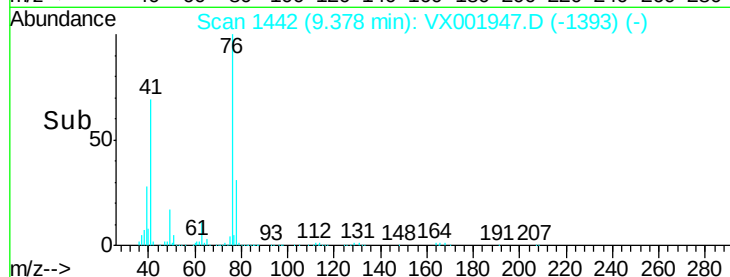
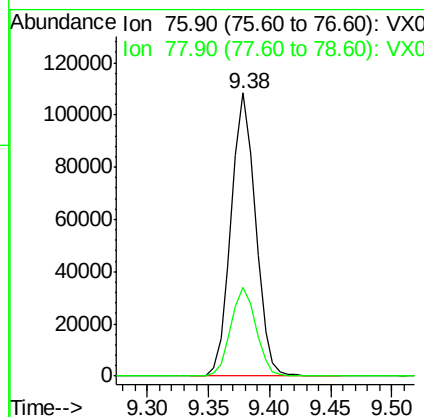
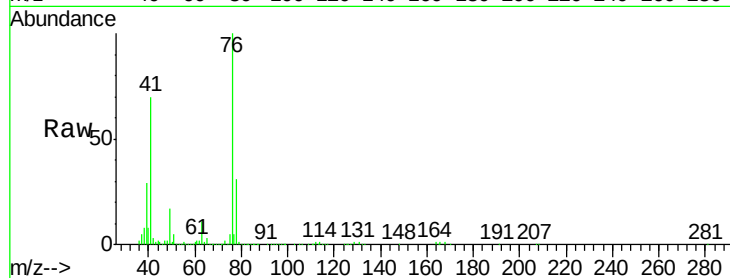
78 31.8 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 99.35 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VX001947.D

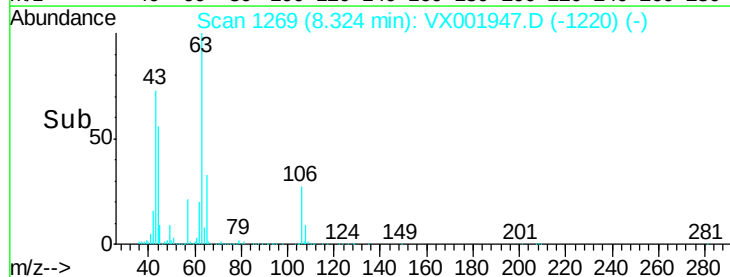
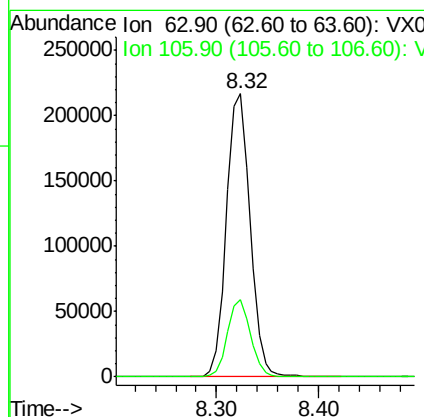
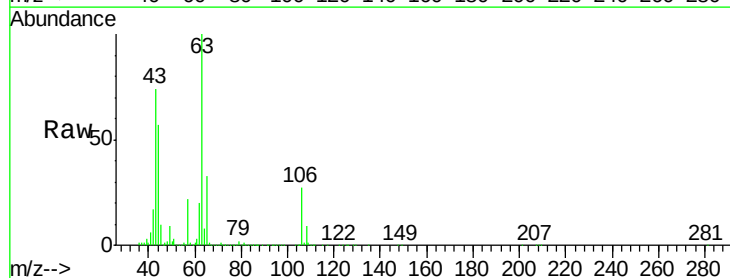
Acq: 24 May 2018 18:02

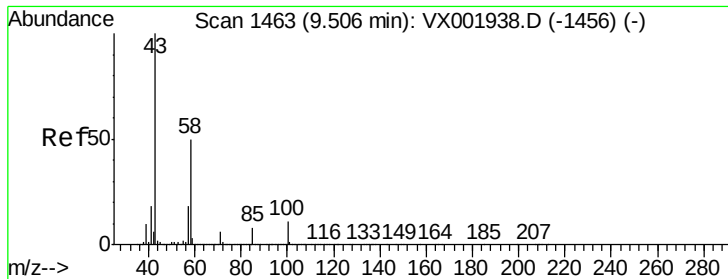
Tgt Ion: 63 Resp: 348496

Ion Ratio Lower Upper

63 100

106 26.8 21.7 32.5





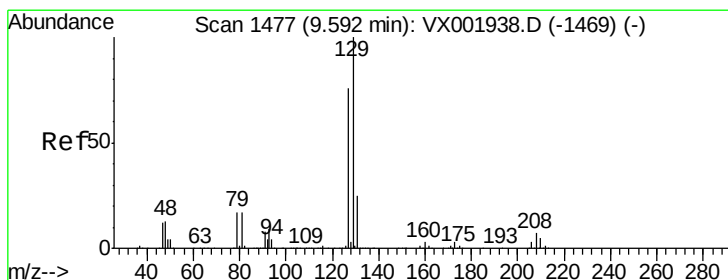
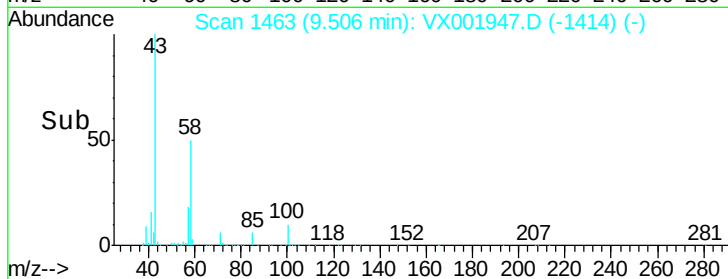
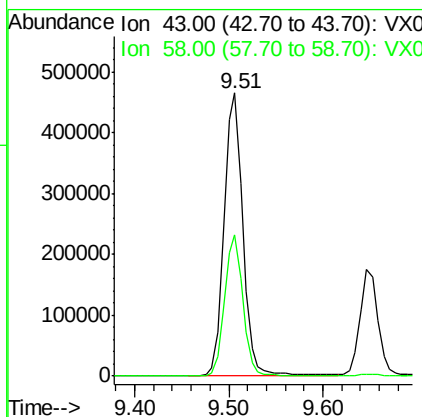
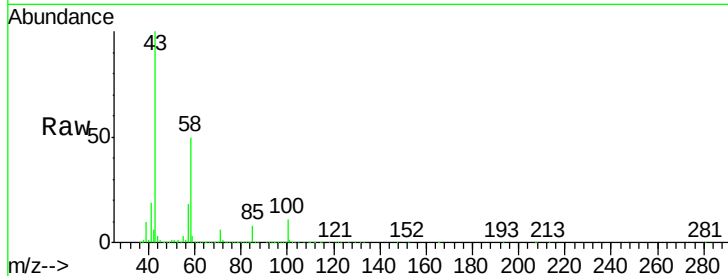
#59
2-Hexanone
Concen: 106.32 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBSD01

Tot Ion: 43 Resp: 634198
Ion Ratio Lower Upper
43 100
58 49.2 24.9 74.6

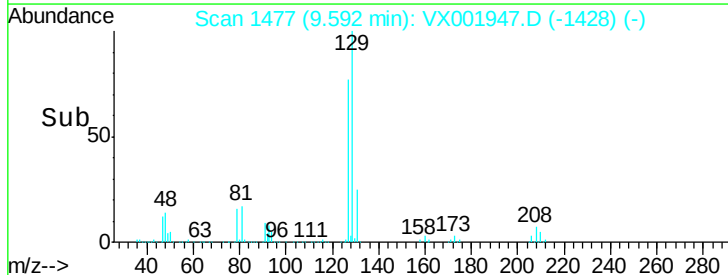
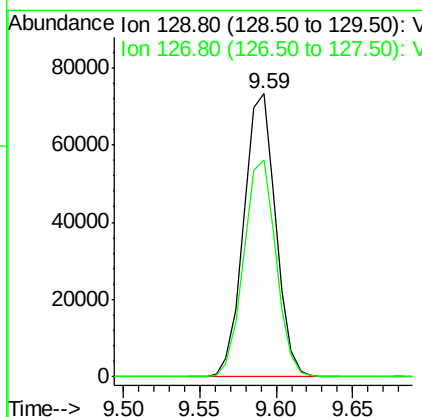
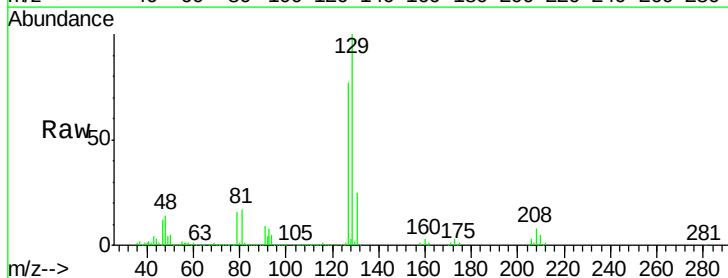
Manual Integrations
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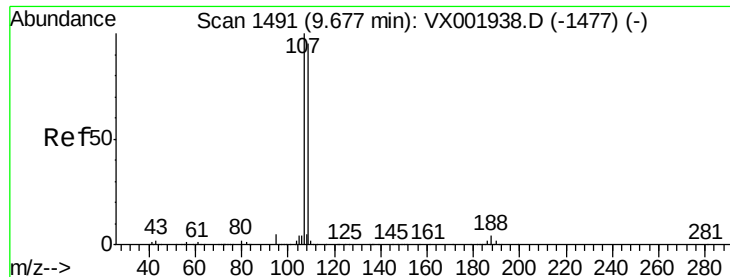
MMDadoda
5/25/2018 2:25:54 PM



#60
Dibromochloromethane
Concen: 19.40 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Tgt Ion: 129 Resp: 105722
Ion Ratio Lower Upper
129 100
127 78.0 38.3 114.9





#61

1,2-Dibromoethane

Concen: 19.66 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBSD01

Tot Ion:107 Resp: 94930

Ion Ratio Lower Upper

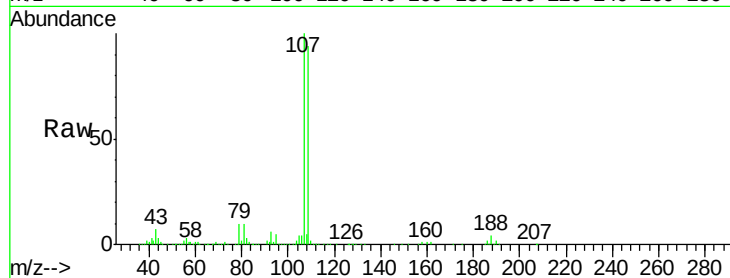
107 100

109 94.6 75.3 112.9

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

80000

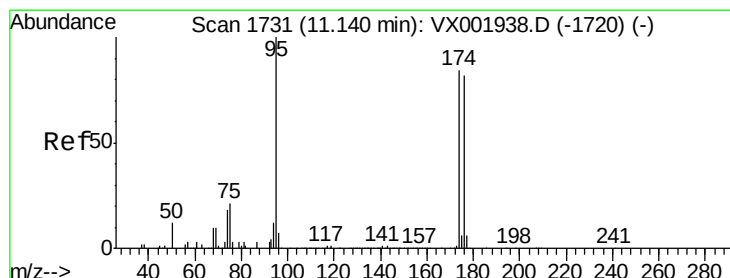
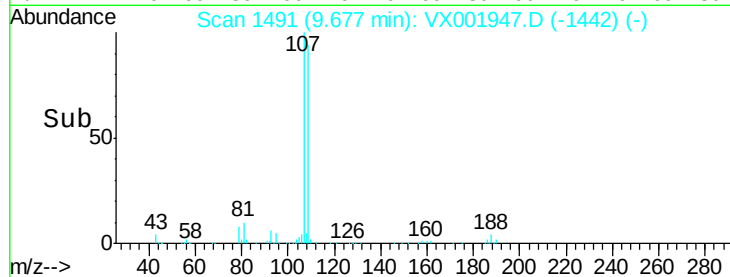
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.08 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

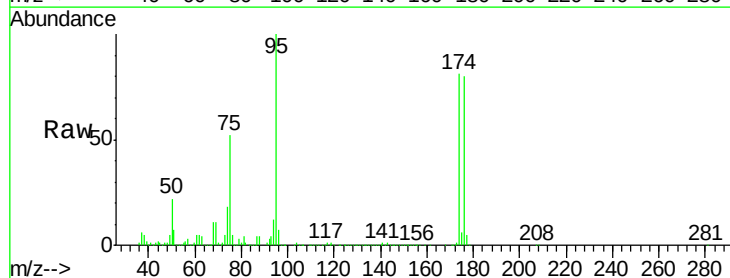
Tgt Ion: 95 Resp: 283207

Ion Ratio Lower Upper

95 100

174 89.8 0.0 178.8

176 87.9 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

300000

250000

200000

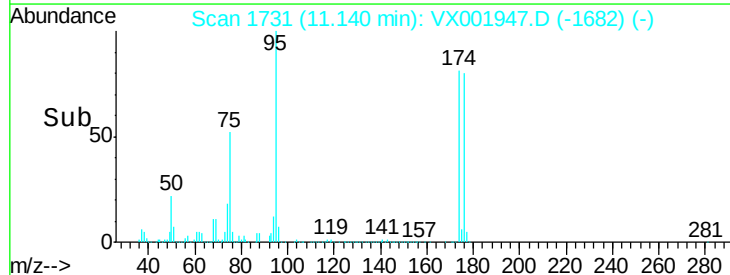
150000

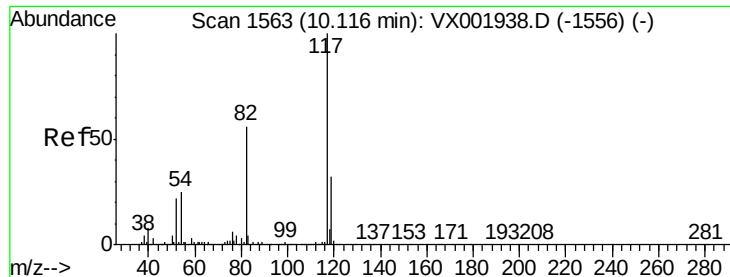
100000

50000

0

Time-->





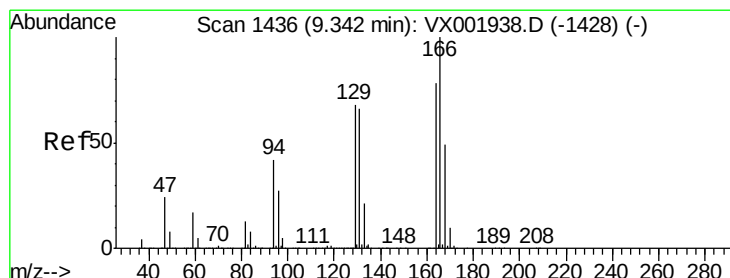
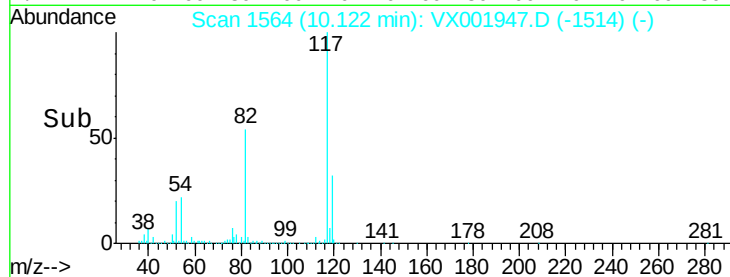
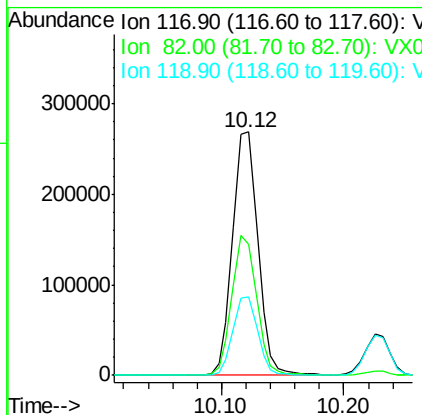
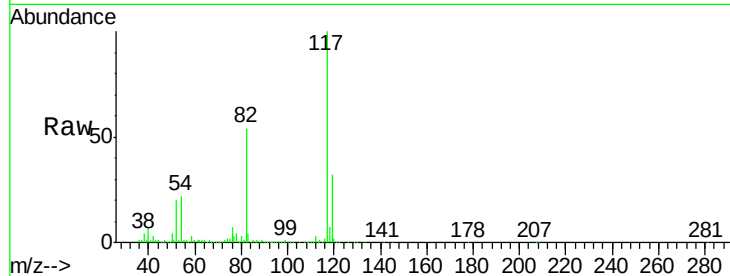
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	385692		
82	53.5		44.8	67.2
119	32.4		25.5	38.3

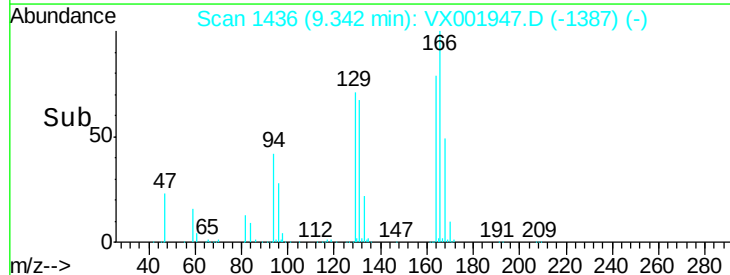
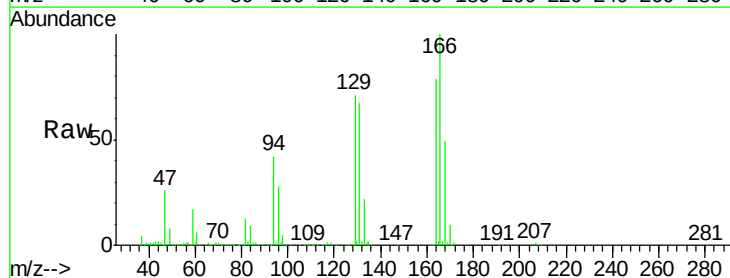
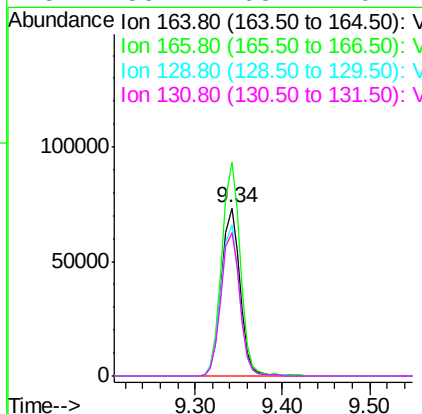
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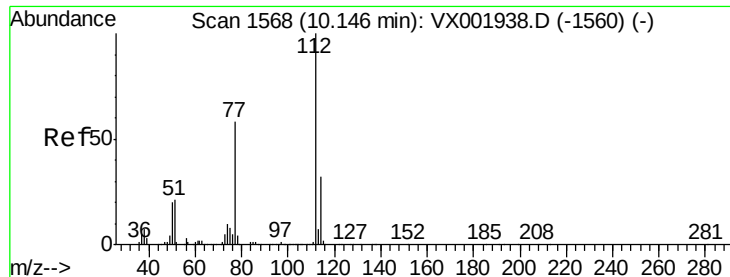
MMDadoda
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#64
Tetrachloroethene
Concen: 19.47 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	107672		
166	127.1		102.7	154.1
129	90.0		70.3	105.5
131	85.4		68.2	102.4





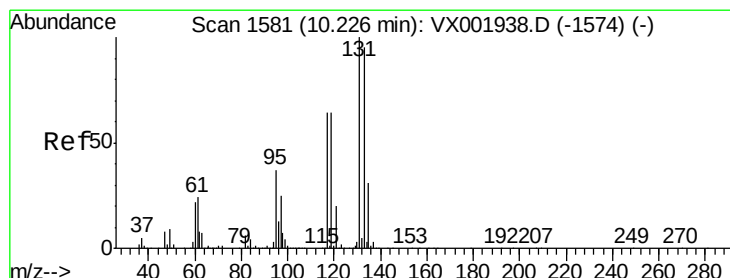
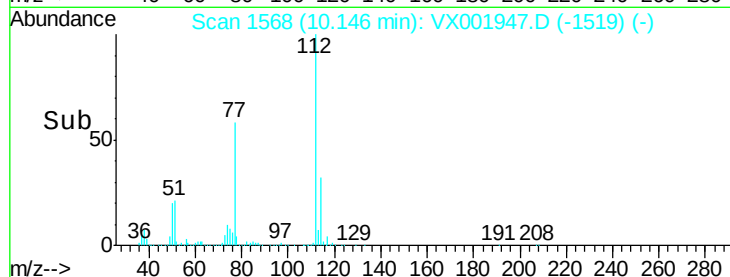
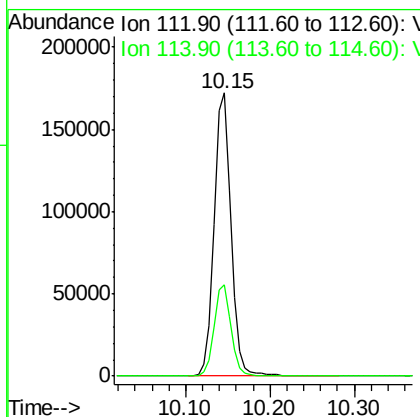
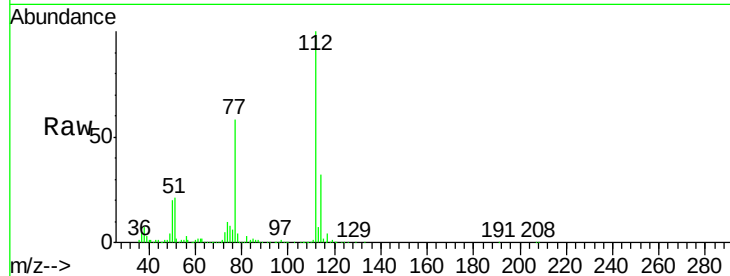
#65
Chlorobenzene
Concen: 19.71 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.9	38.9

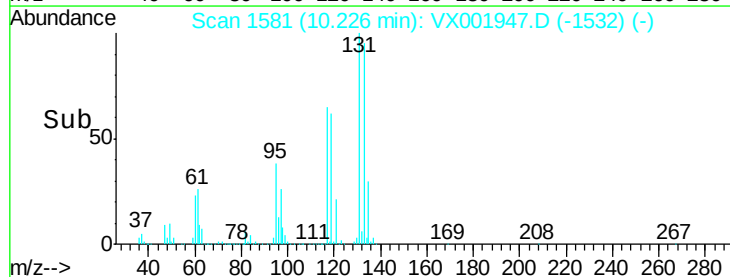
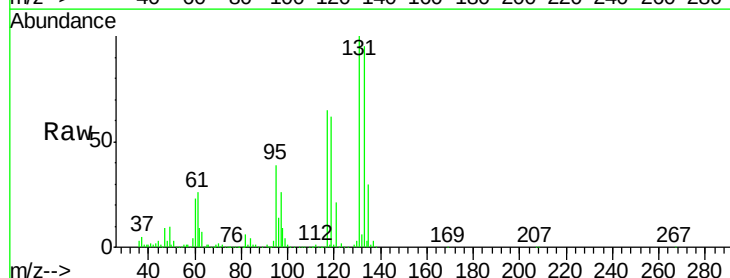
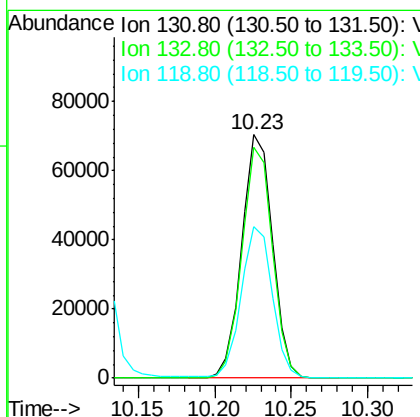
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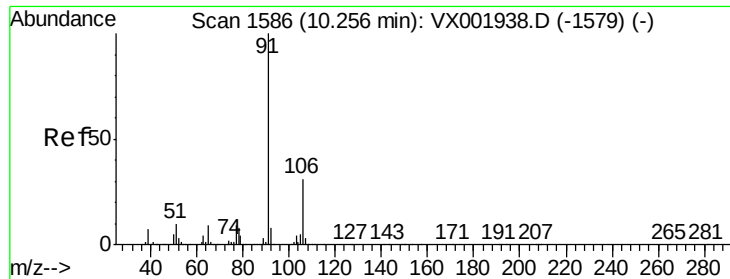
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.97 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.4	48.0	144.0
119	62.6	31.9	95.5





#67

Ethyl Benzene

Concen: 19.65 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBSD01

Tot Ion: 91 Resp: 417246

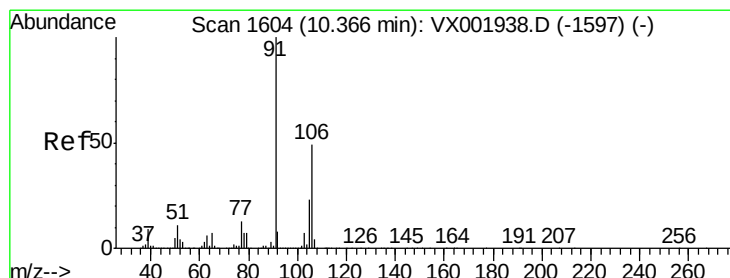
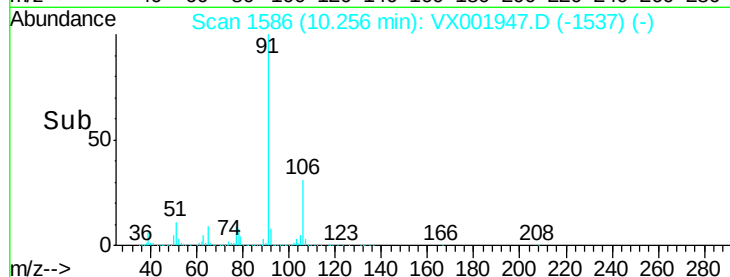
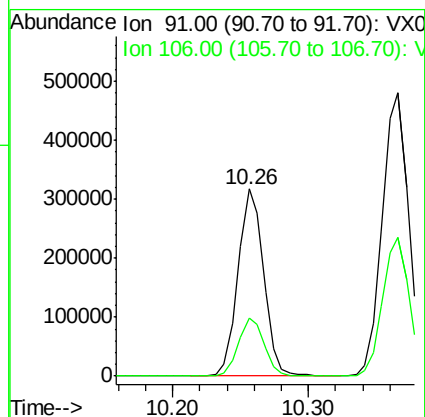
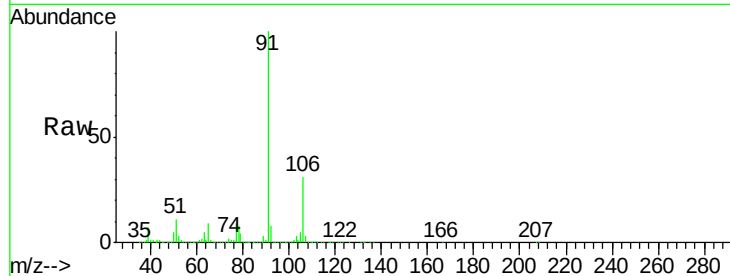
Ion Ratio Lower Upper

91 100

106 31.3 25.0 37.6

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#68

m/p-Xylenes

Concen: 39.37 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX001947.D

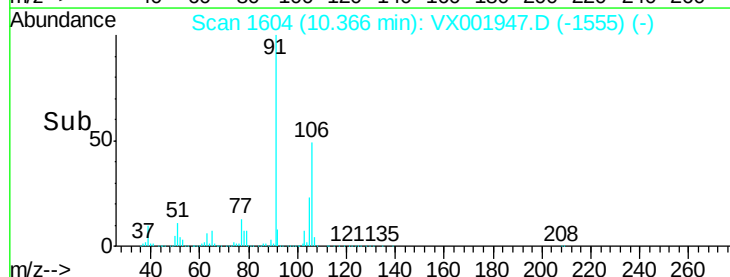
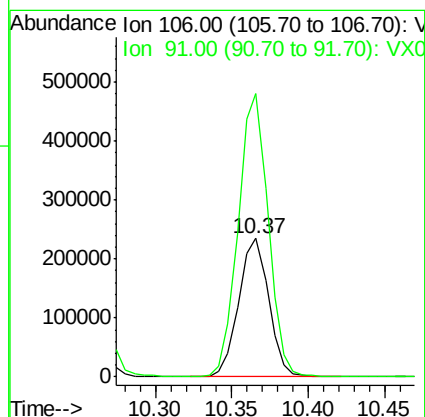
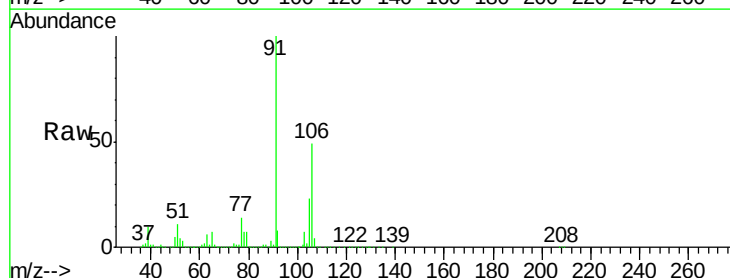
Acq: 24 May 2018 18:02

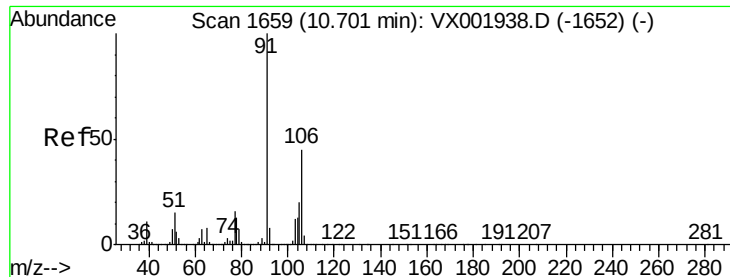
Tgt Ion: 106 Resp: 319486

Ion Ratio Lower Upper

106 100

91 204.4 165.0 247.6





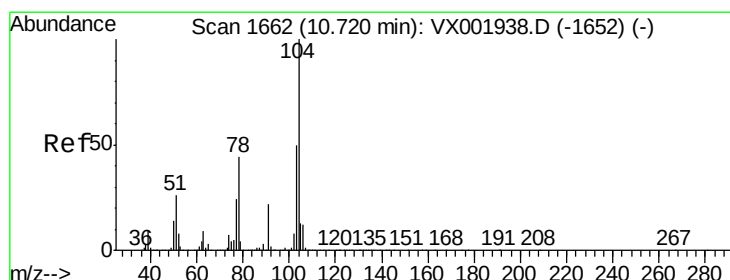
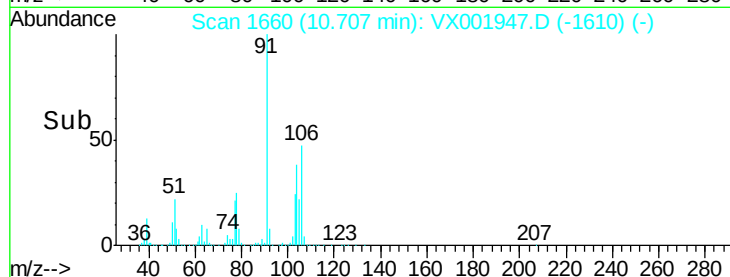
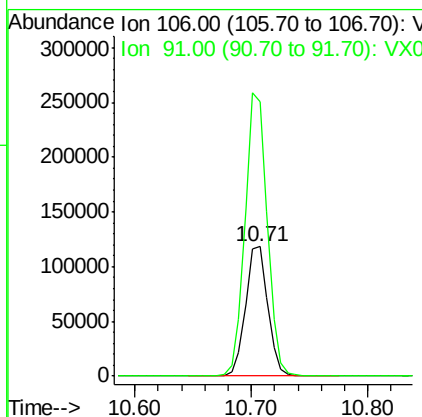
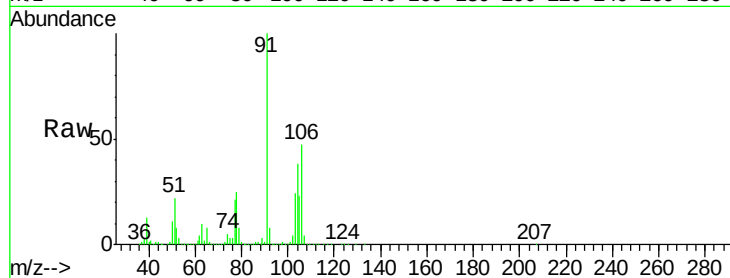
#69
o-Xylene
Concen: 19.62 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	217.8	108.7	325.9		

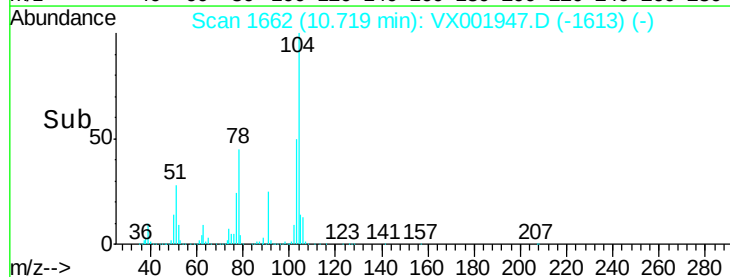
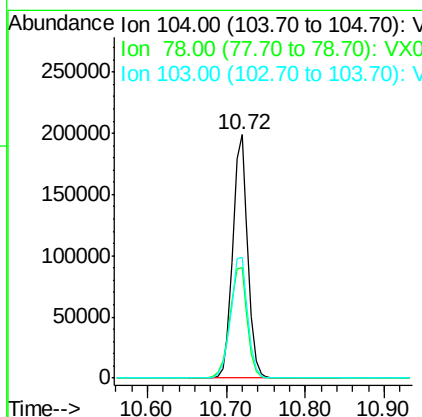
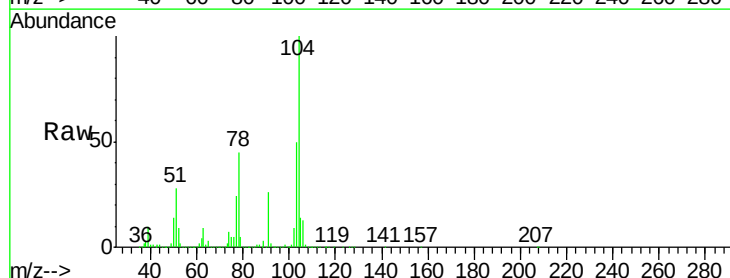
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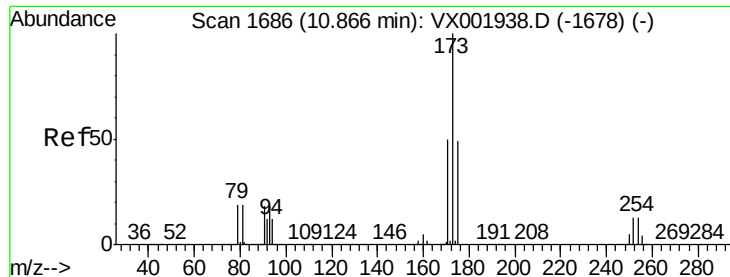
MMDadoda
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#70
Styrene
Concen: 19.57 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	52.4	41.8	62.6		
103	55.8	44.6	67.0		





#71

Bromoform

Concen: 19.33 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Instrument :

MSVOA_X

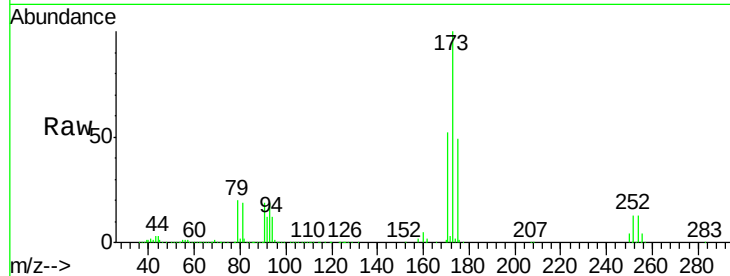
ClientSampleId :

VX0524WBSD01

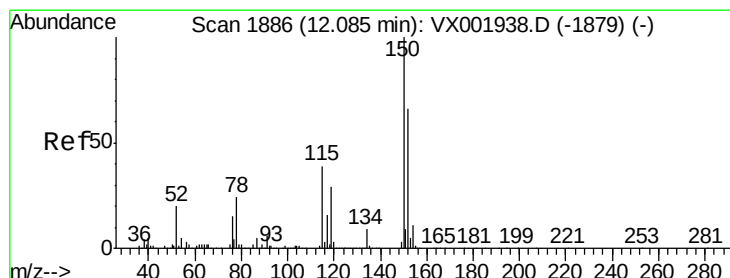
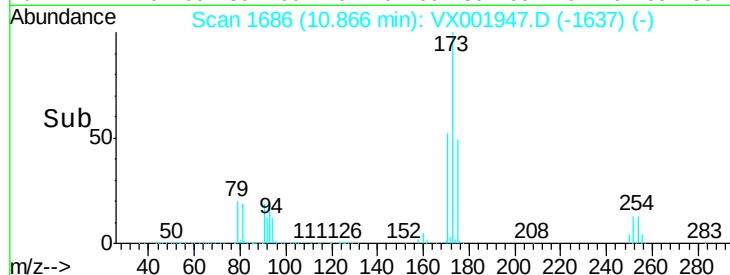
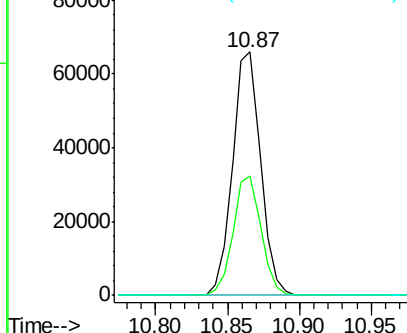
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.9
254	0.2	0.1	0.1#

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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

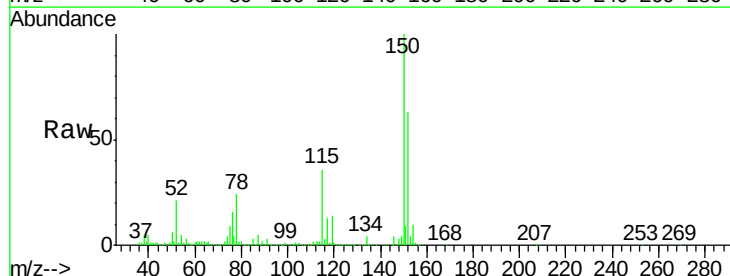
RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

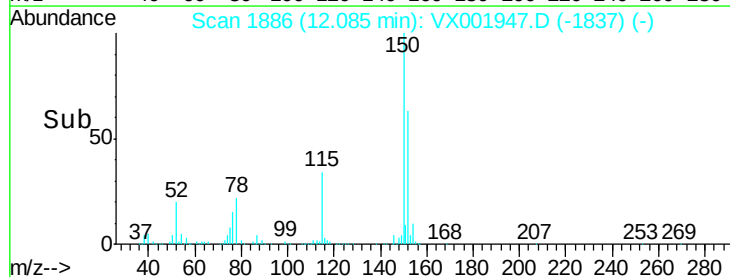
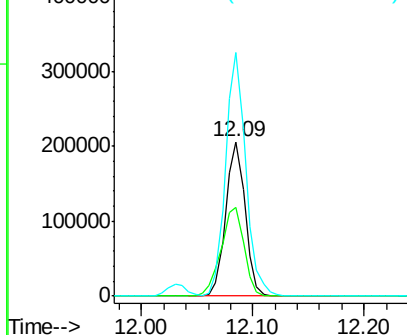
Lab File: VX001947.D

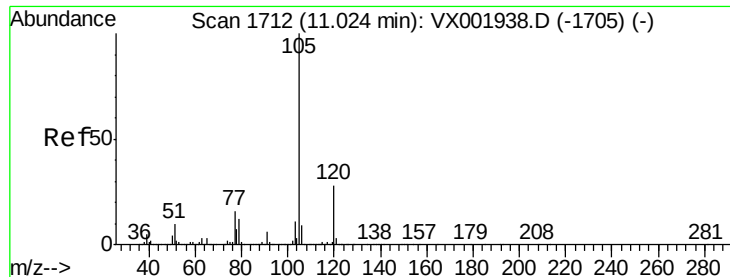
Acq: 24 May 2018 18:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	68.0	42.3	126.8
150	164.6	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: 20.37 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBSD01

Tot Ion:105 Resp: 426205

Ion Ratio Lower Upper

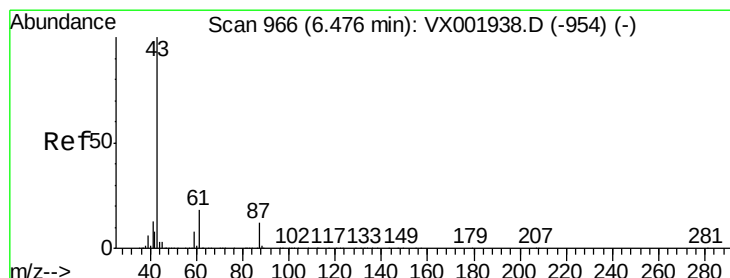
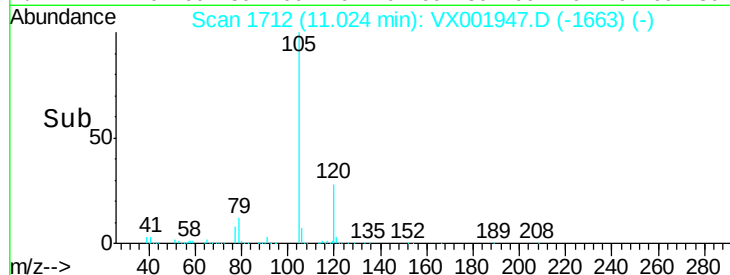
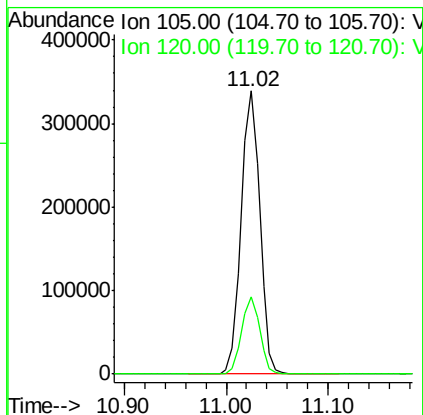
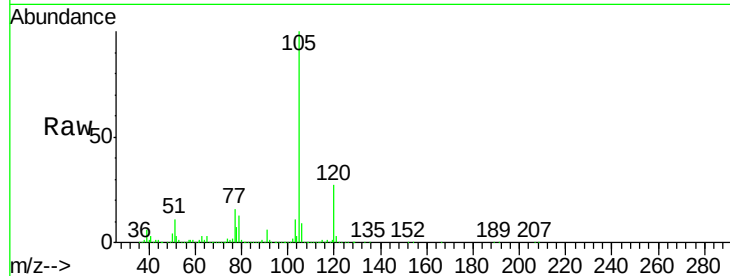
105 100

120 26.8 13.6 40.7

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#74

N-ethyl acetate

Concen: 22.39 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Tgt Ion: 43 Resp: 261919

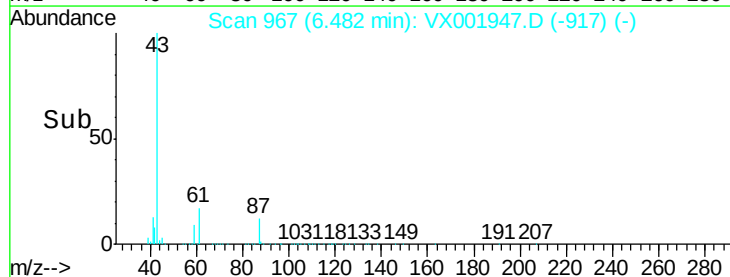
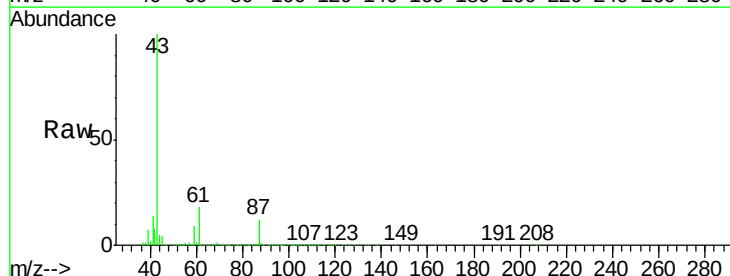
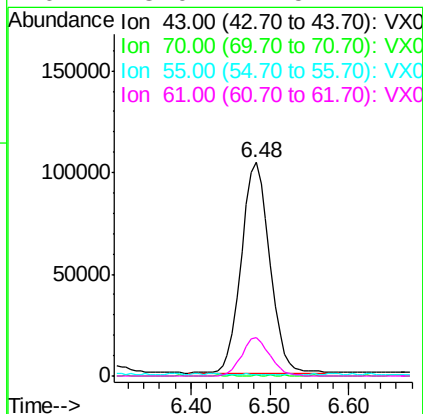
Ion Ratio Lower Upper

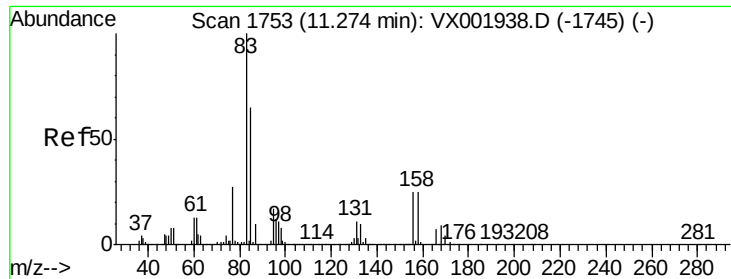
43 100

70 0.0 0.1 0.1#

55 0.0 0.1 0.1#

61 18.0 14.5 21.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.92 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Instrument :

MSVOA_X

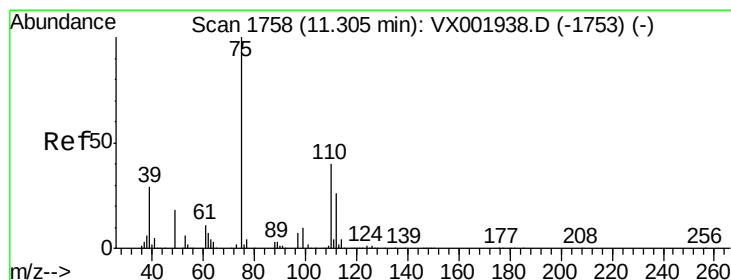
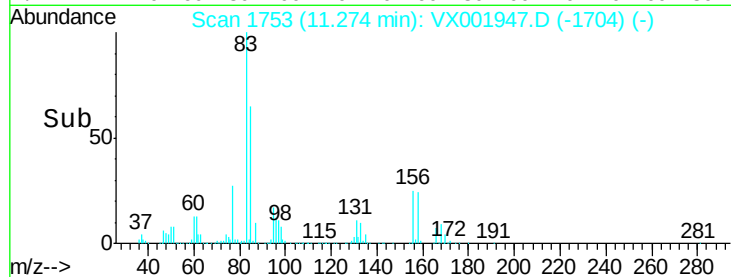
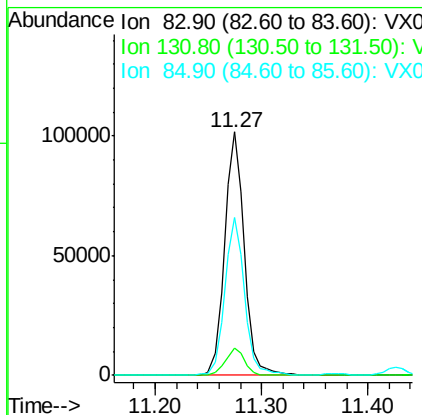
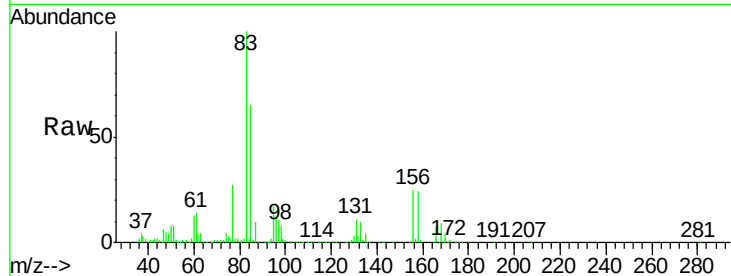
ClientSampleId :

VX0524WBSD01

Tot Ion:	83	Resp:	129497
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.7	17.0
85	65.2	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 23.46 ug/l m

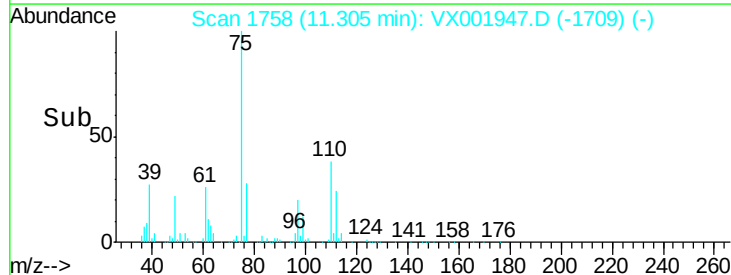
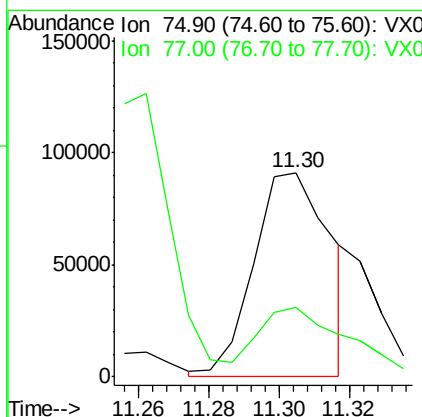
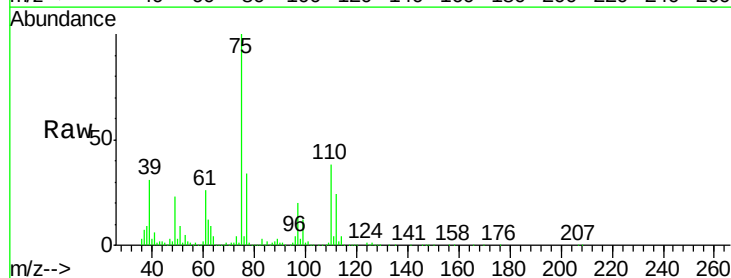
RT: 11.30 min Scan# 1758

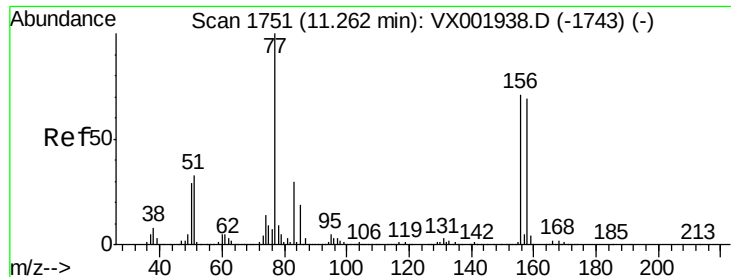
Delta R.T. -0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Tgt Ion:	75	Resp:	139209
Ion Ratio	Lower	Upper	
75	100		
77	39.1	22.8	68.3





#77

Bromobenzene

Concen: 20.08 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Instrument :

MSVOA_X

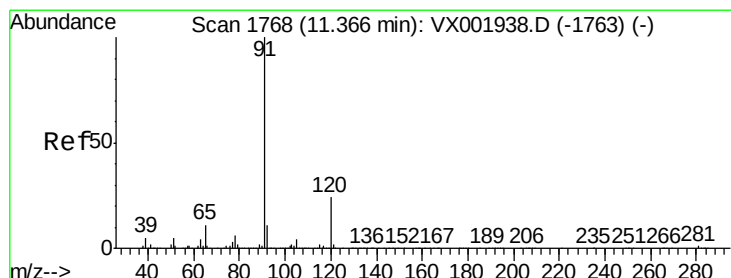
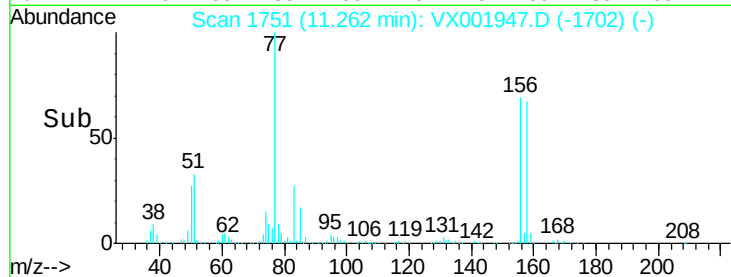
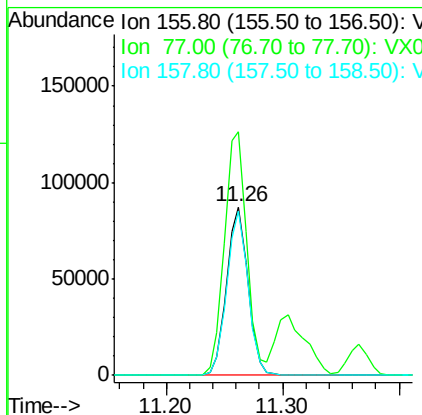
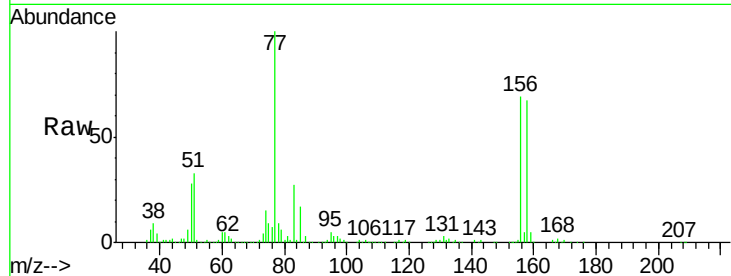
ClientSampleId :

VX0524WBSD01

Tot Ion	156	Resp	111473
Ion	Ratio	Lower	Upper
156	100		
77	150.4	75.2	225.6
158	96.6	48.6	145.8

Manual Integrations
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#78

n-propylbenzene

Concen: 20.09 ug/l

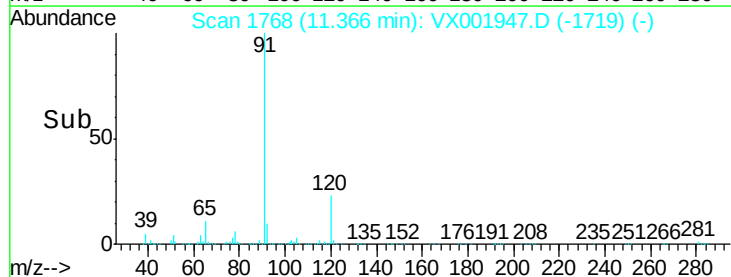
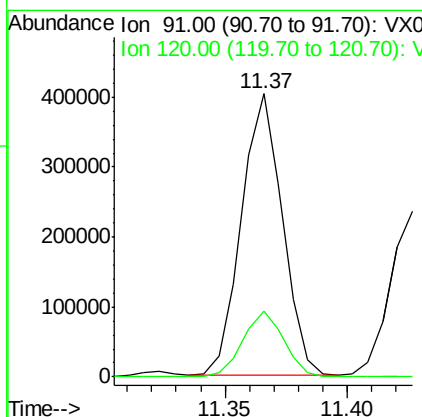
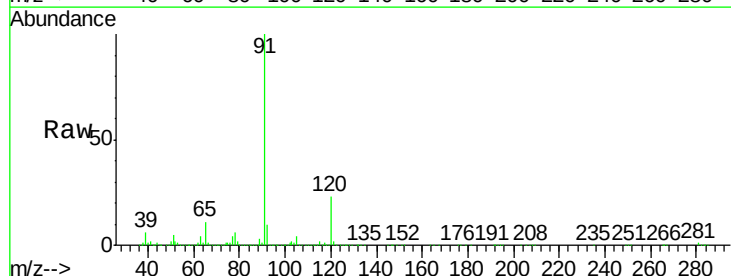
RT: 11.37 min Scan# 1768

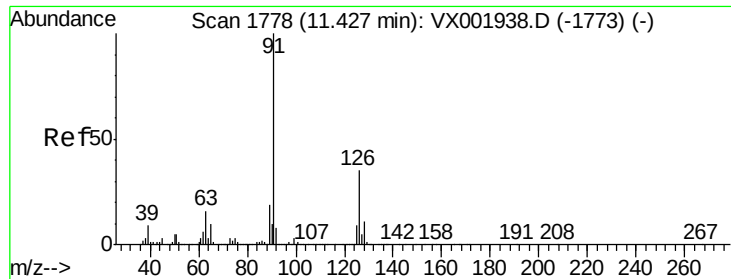
Delta R.T. -0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Tgt Ion	91	Resp	470809
Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.9	35.7





#79

2-Chlorotoluene

Concen: 20.96 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Instrument :

MSVOA_X

ClientSampled :

VX0524WBSD01

Tot Ion: 91 Resp: 286700

Ion Ratio Lower Upper

91 100

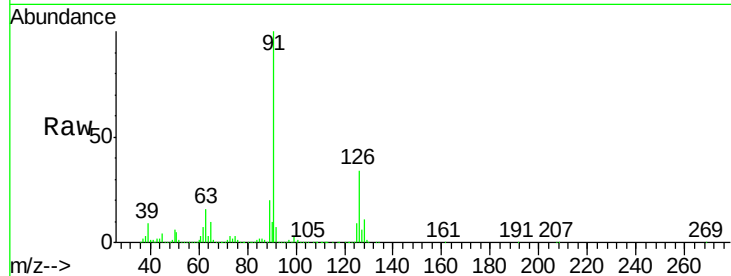
126 34.7 17.4 52.2

Manual Integrations

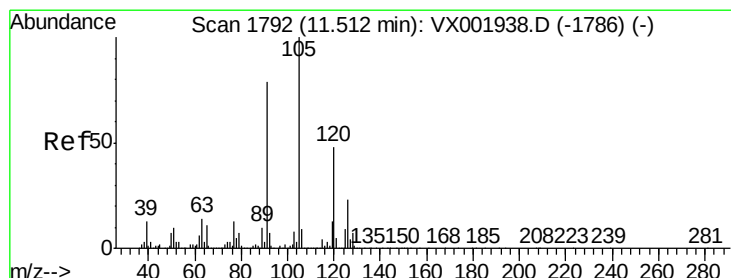
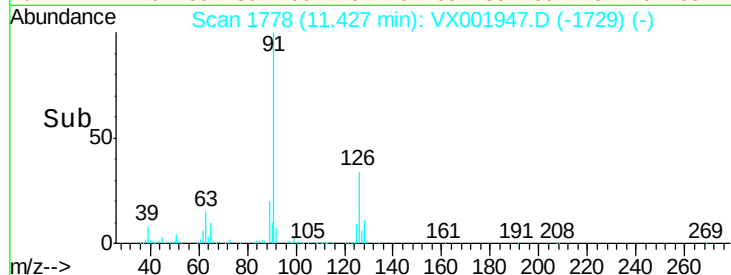
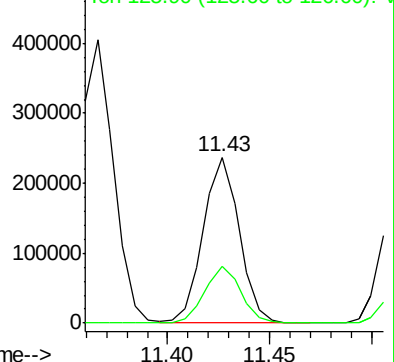
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Abundance Ion 91.00 (90.70 to 91.70): VX001938.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.02 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001947.D

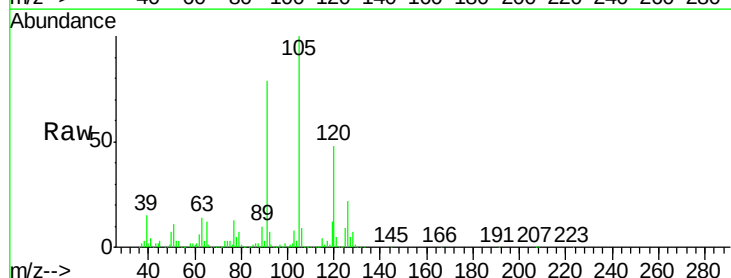
Acq: 24 May 2018 18:02

Tgt Ion: 105 Resp: 357886

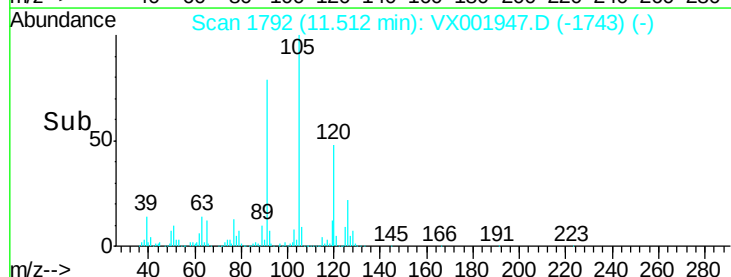
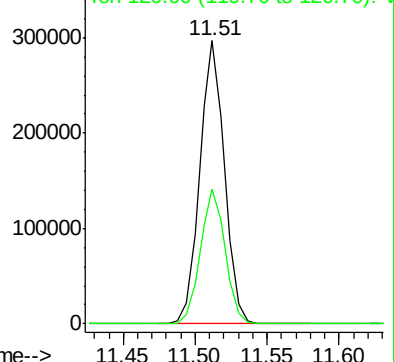
Ion Ratio Lower Upper

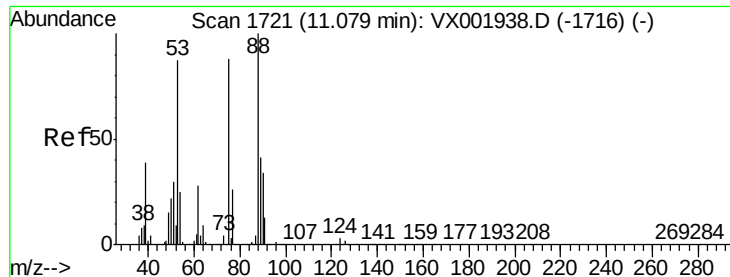
105 100

120 47.8 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VX001938.D (-1786) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.67 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBSD01

Tot Ion: 75 Resp: 46089

Ion Ratio Lower Upper

75 100

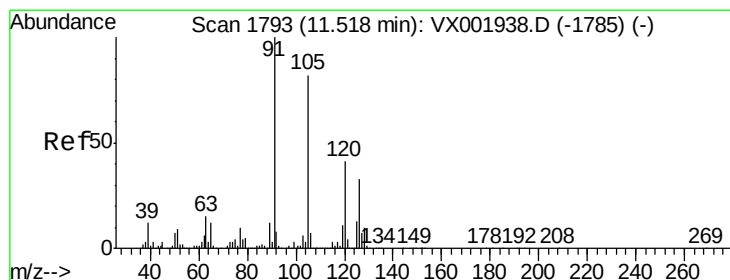
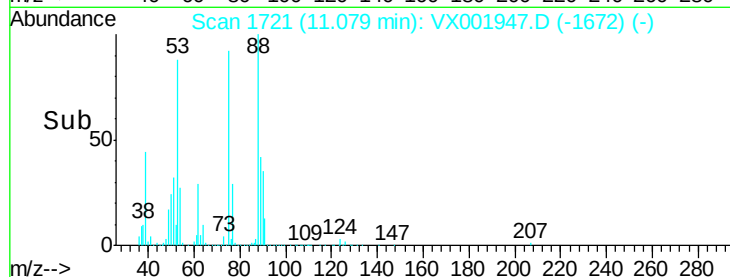
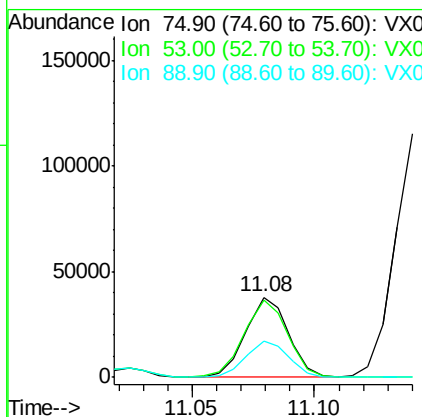
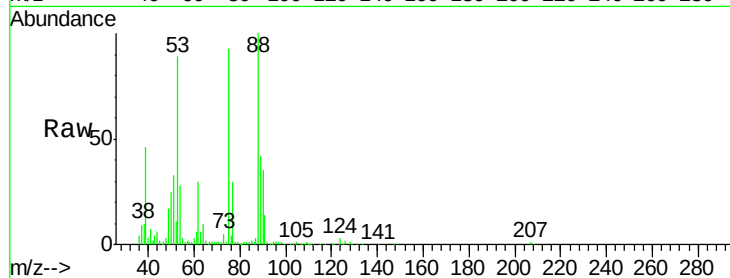
53 97.1 78.0 117.0

89 46.6 39.4 59.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.86 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX001947.D

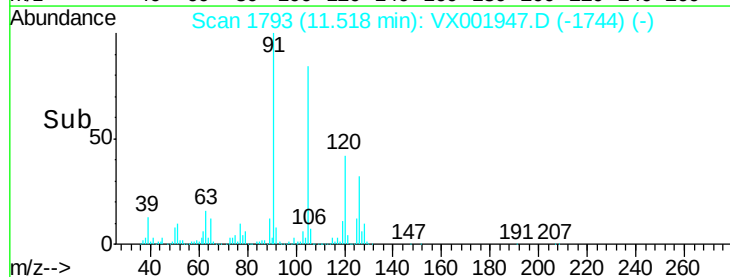
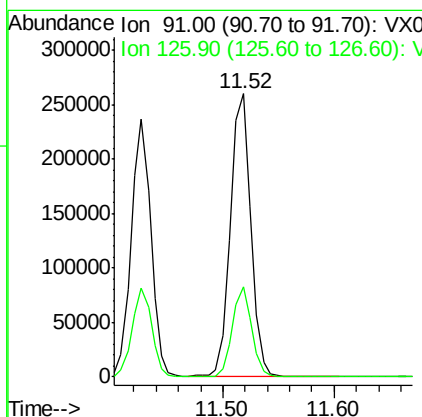
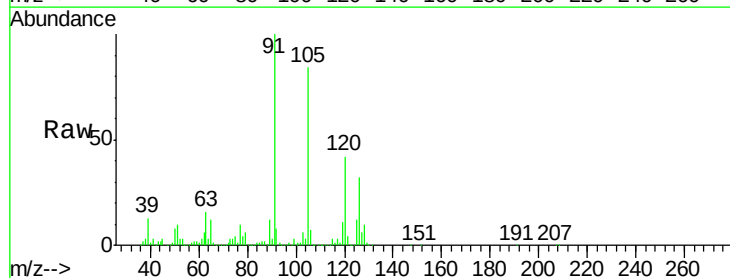
Acq: 24 May 2018 18:02

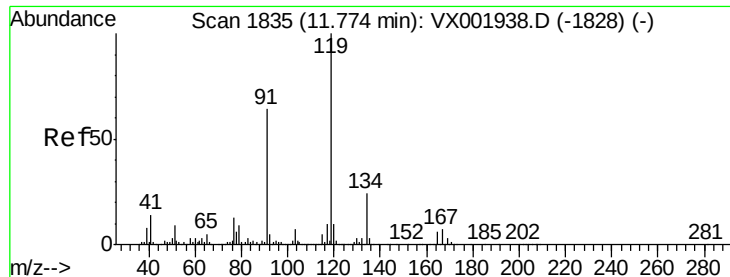
Tgt Ion: 91 Resp: 328226

Ion Ratio Lower Upper

91 100

126 30.2 15.3 45.8





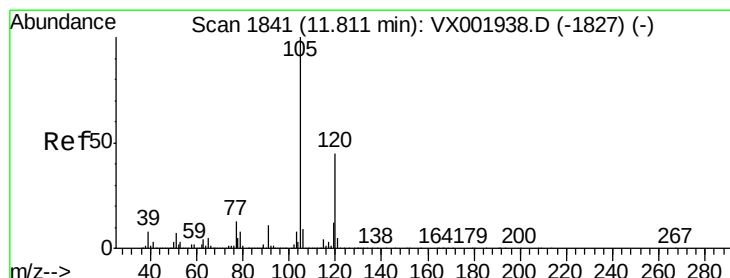
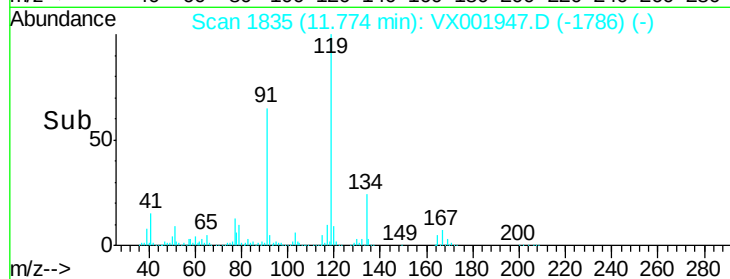
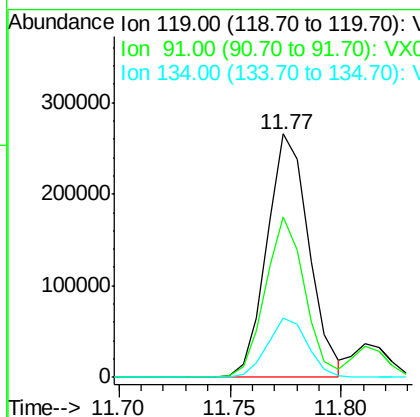
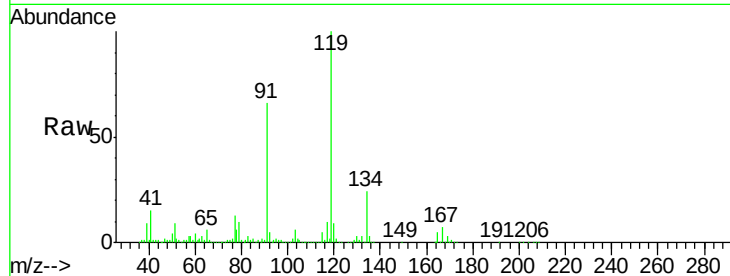
#83
 tert-Butylbenzene
 Concen: 19.83 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX001947.D
 Acq: 24 May 2018 18:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	347918		
91	61.7	30.6	91.8	
134	23.4	11.7	35.0	

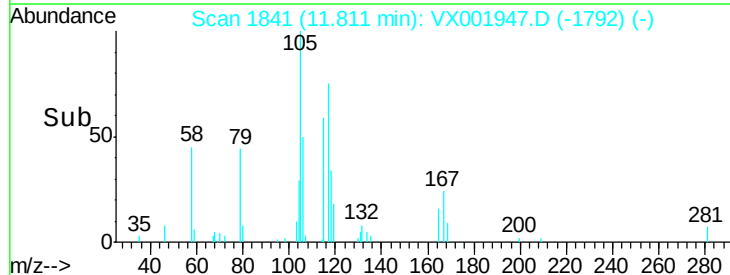
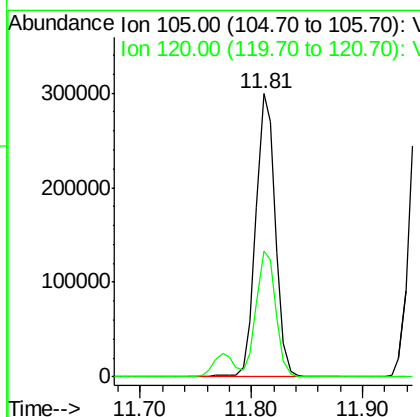
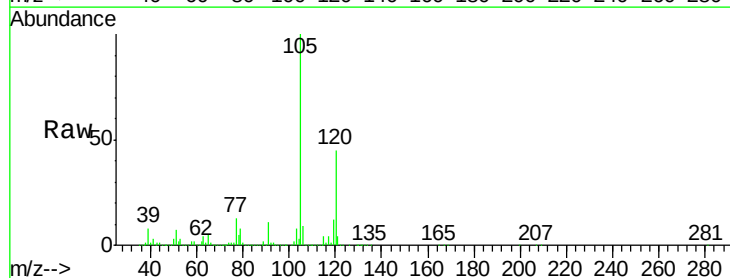
Manual Integrations
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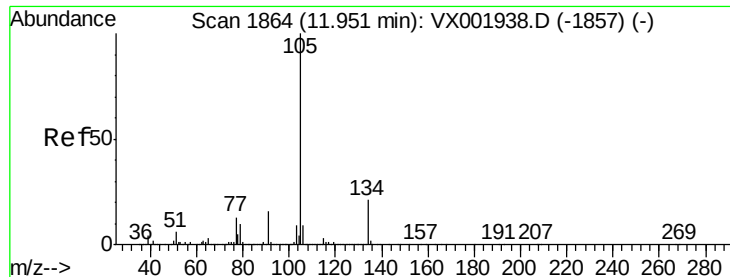
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.85 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX001947.D
 Acq: 24 May 2018 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	366713		
120	44.4	22.1	66.5	





#85

sec-Butylbenzene

Concen: 19.94 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Instrument :

MSVOA_X

ClientSampleId :

VX0524WBSD01

Tot Ion:105 Resp: 420568

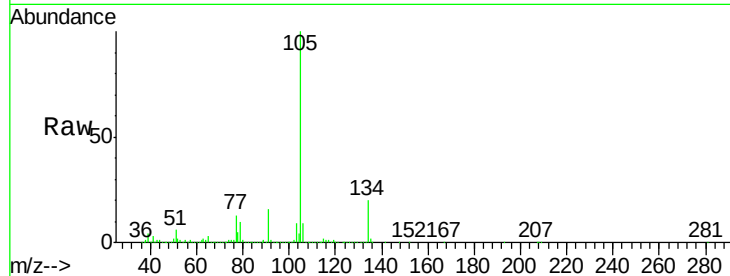
Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.4

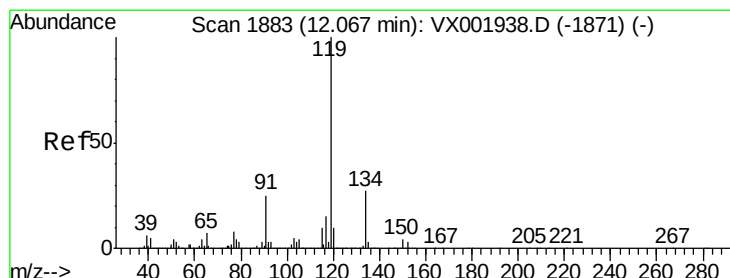
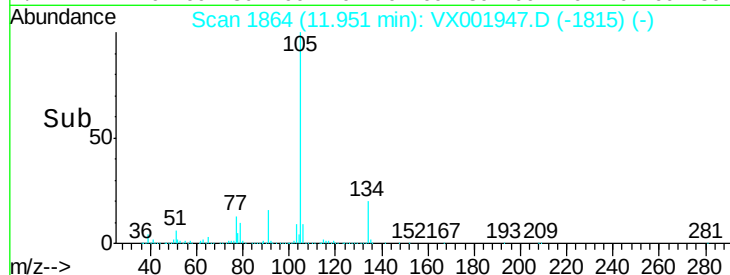
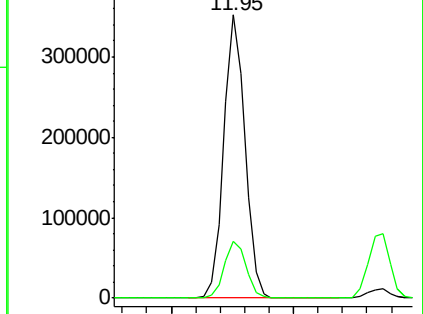
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.85 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

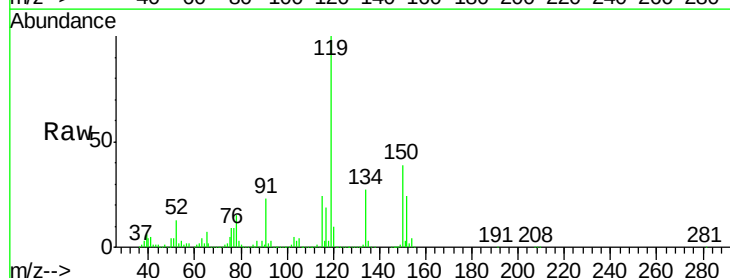
Tgt Ion:119 Resp: 374712

Ion Ratio Lower Upper

119 100

134 26.4 13.6 40.8

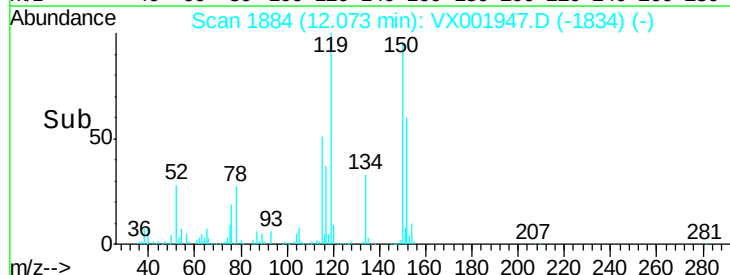
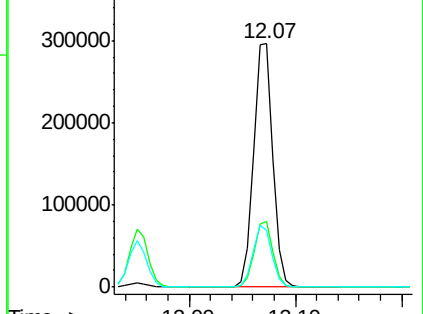
91 24.5 12.2 36.4

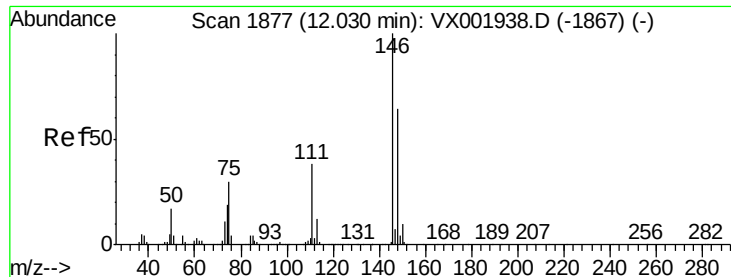


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





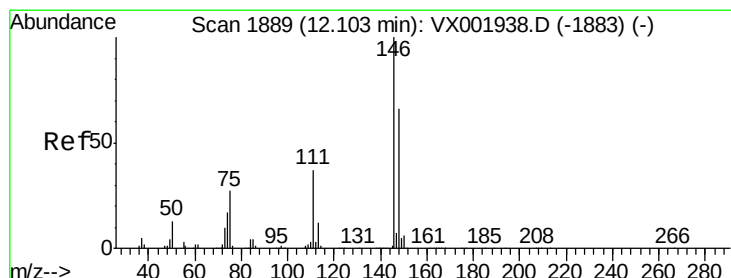
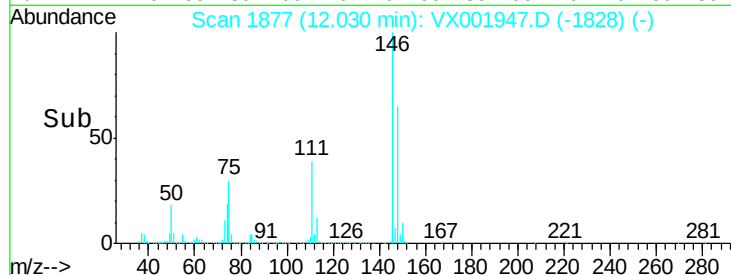
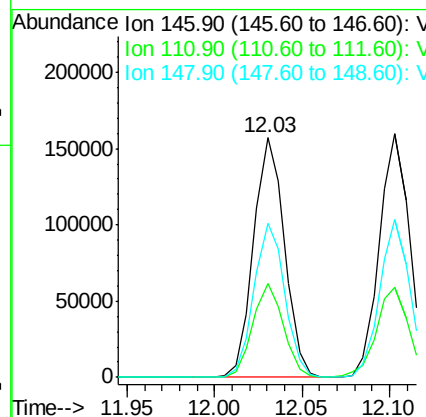
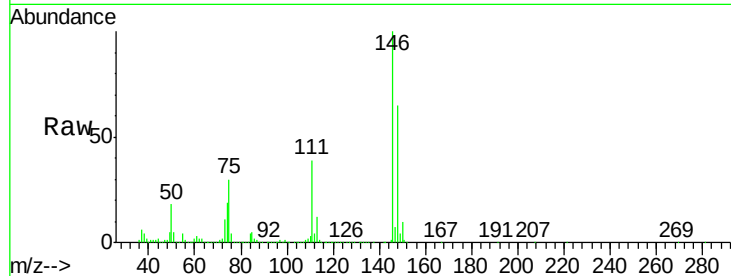
#87
 1,3-Dichlorobenzene
 Concen: 19.48 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001947.D
 Acq: 24 May 2018 18:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.3	57.8
148	64.2	32.1	96.3

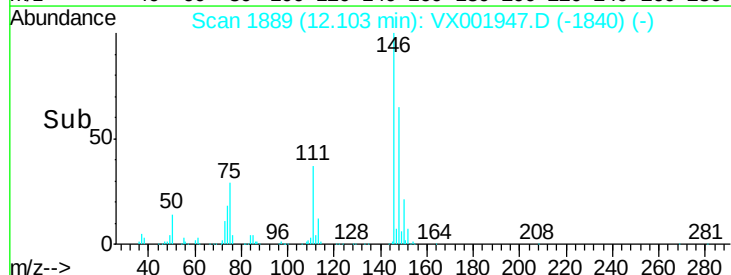
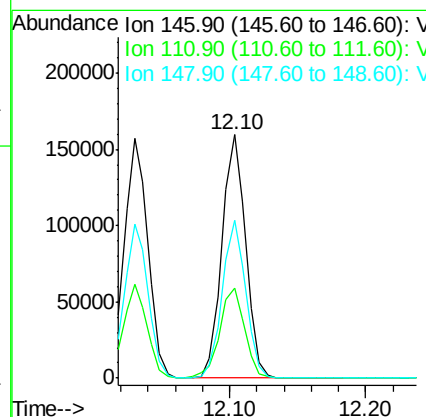
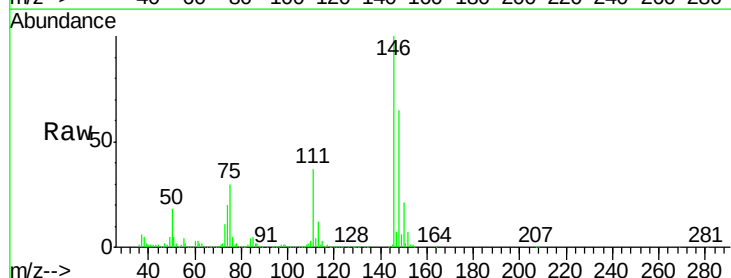
Manual Integrations
 APPROVED

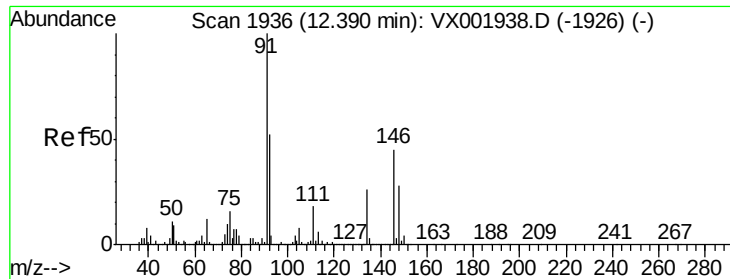
MMDadoda
 5/25/2018 2:25:54 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.42 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001947.D
 Acq: 24 May 2018 18:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.9	56.5
148	64.0	32.3	96.8





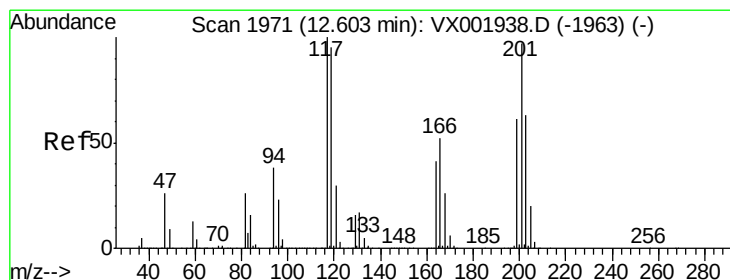
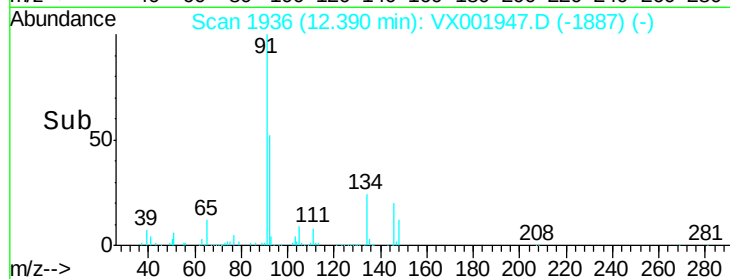
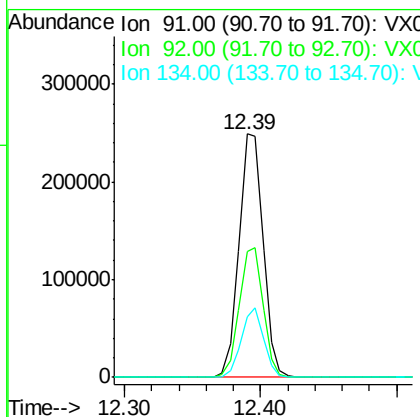
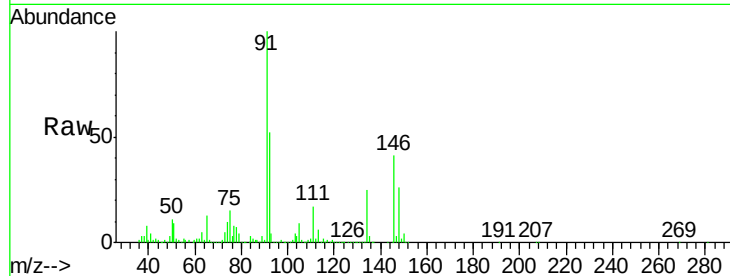
#89
n-Butylbenzene
Concen: 19.13 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	305892		
92	52.9	26.3	78.9	
134	26.8	13.6	40.7	

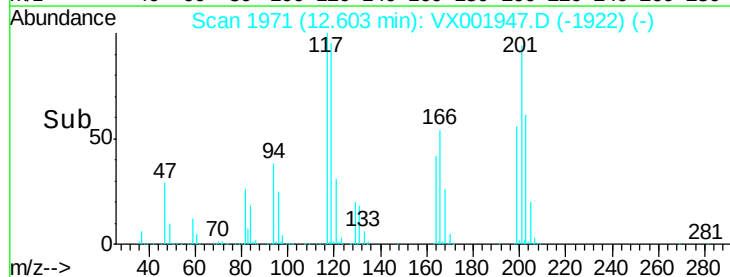
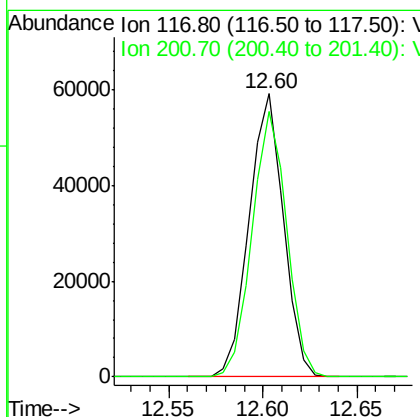
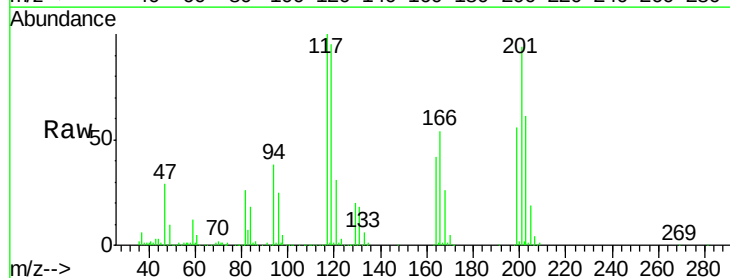
Manual Integrations
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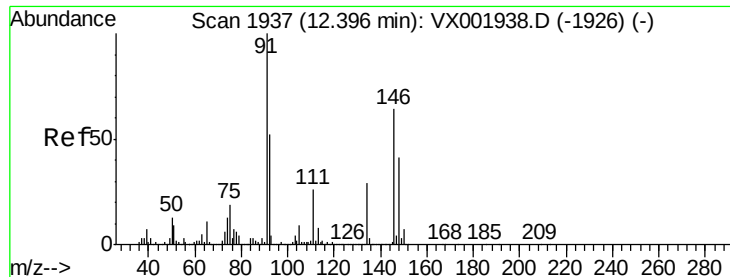
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#90
Hexachloroethane
Concen: 20.07 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	74735		
201	94.3	48.0	144.0	





#91

1,2-Dichlorobenzene

Concen: 19.95 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Instrument :

MSVOA_X

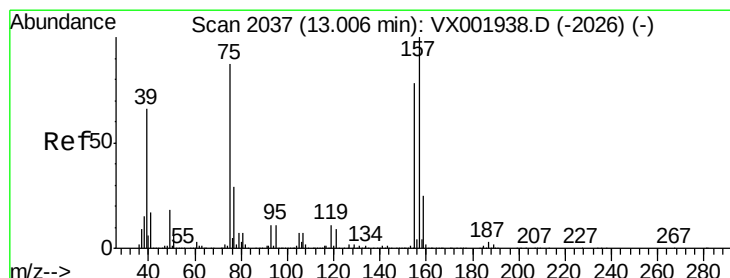
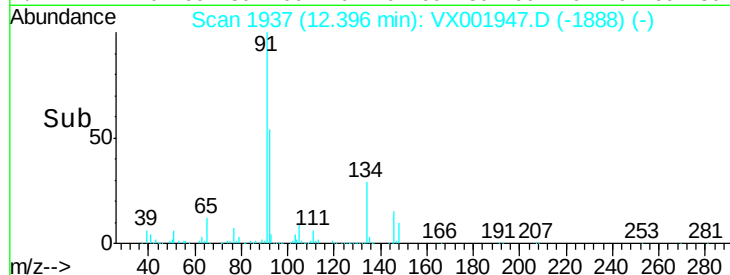
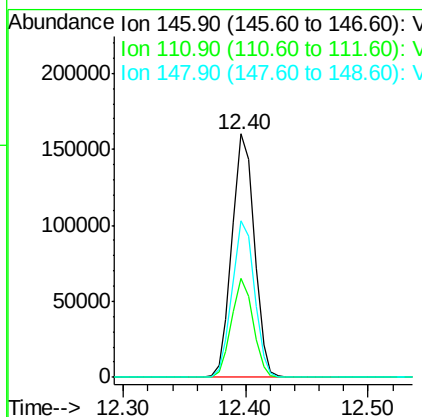
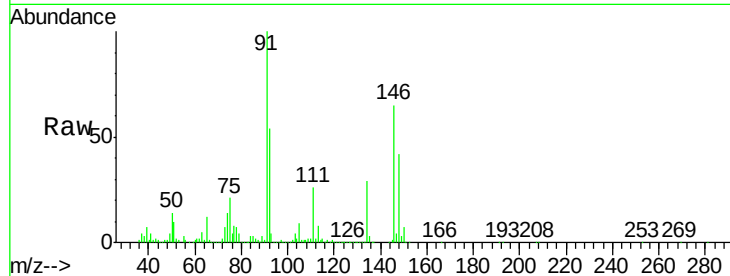
ClientSampleId :

VX0524WBSD01

Tot Ion:	146	Resp:	202062
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.8	59.3
148	64.0	32.1	96.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.34 ug/l

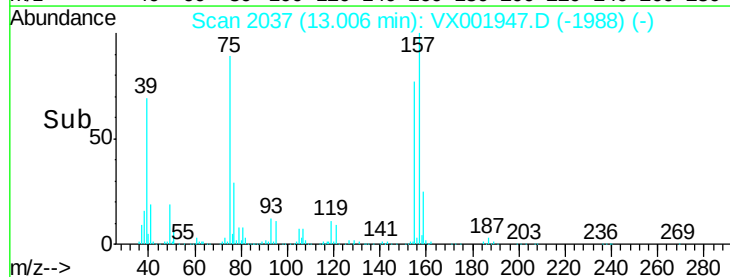
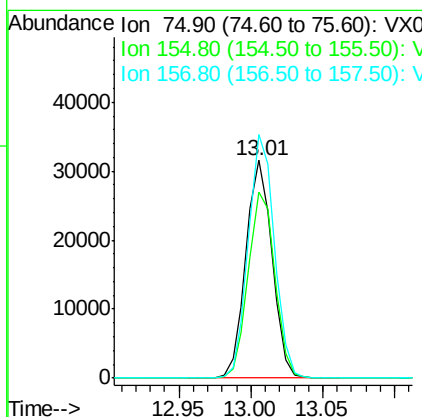
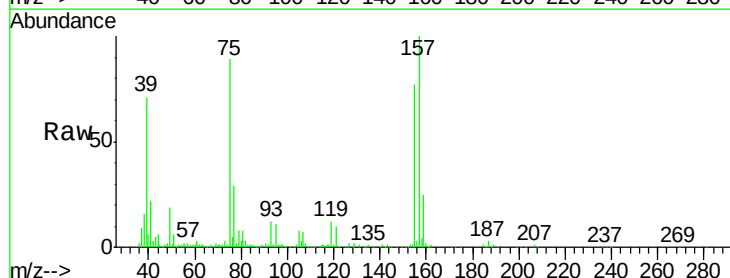
RT: 13.01 min Scan# 2037

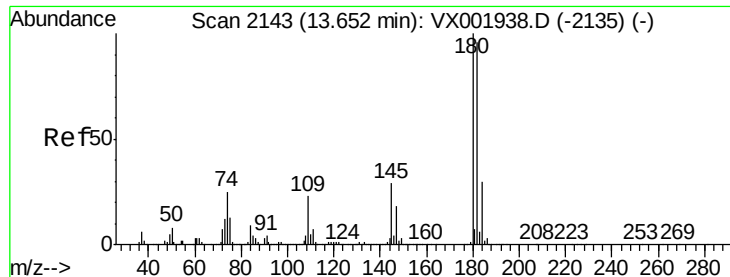
Delta R.T. -0.00 min

Lab File: VX001947.D

Acq: 24 May 2018 18:02

Tgt Ion:	75	Resp:	39692
Ion Ratio	Lower	Upper	
75	100		
155	86.8	45.1	135.2
157	110.6	58.1	174.2





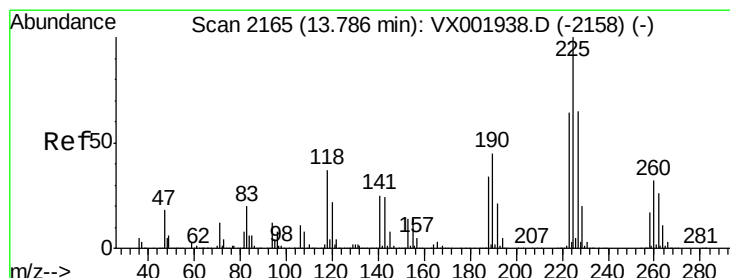
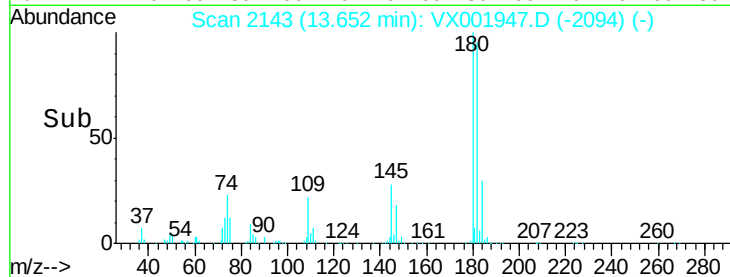
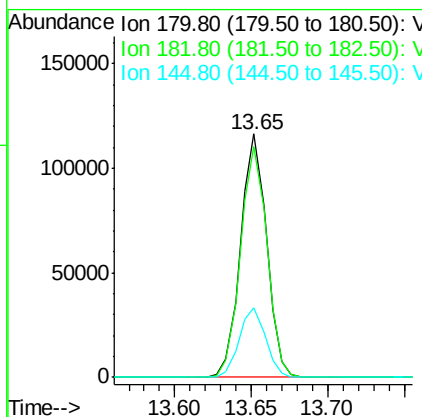
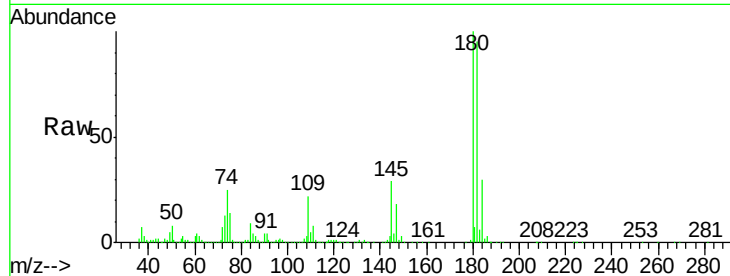
#93
 1,2,4-Trichlorobenzene
 Concen: 19.00 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001947.D
 Acq: 24 May 2018 18:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0524WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	137600		
182	96.5	47.7	143.1	
145	29.0	14.4	43.0	

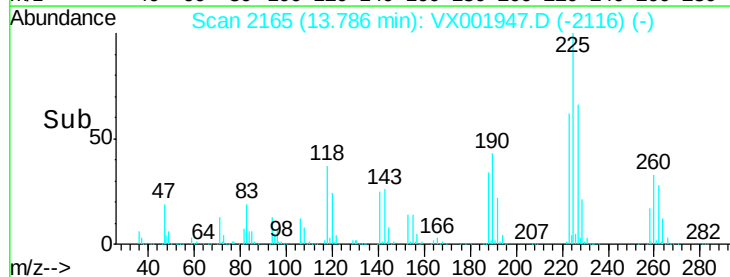
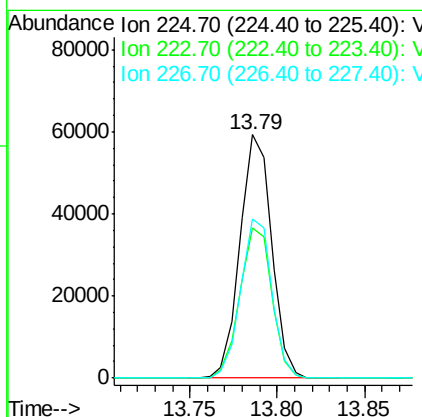
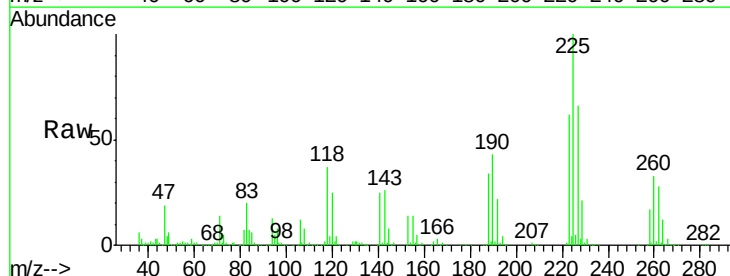
Manual Integrations
 APPROVED

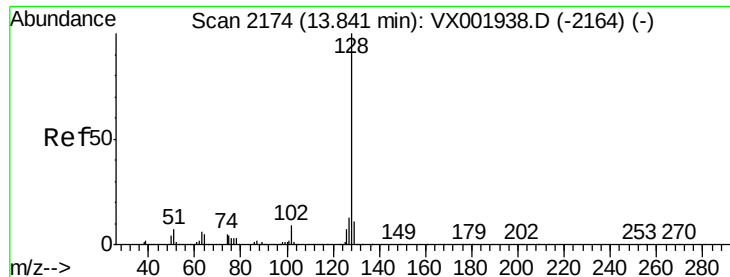
MMDadoda
 5/25/2018 2:25:54 PM



#94
 Hexachlorobutadiene
 Concen: 19.16 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001947.D
 Acq: 24 May 2018 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	74652		
223	62.7	31.1	93.5	
227	64.5	32.1	96.5	





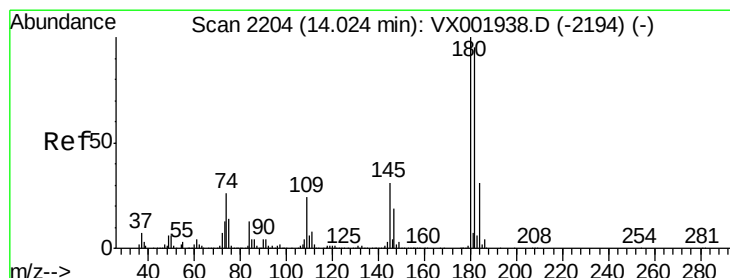
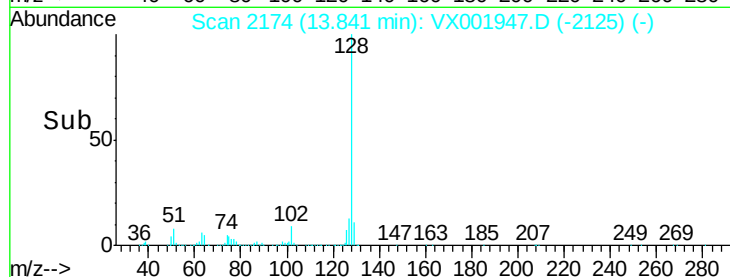
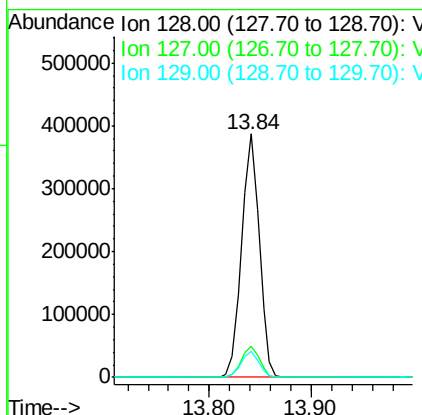
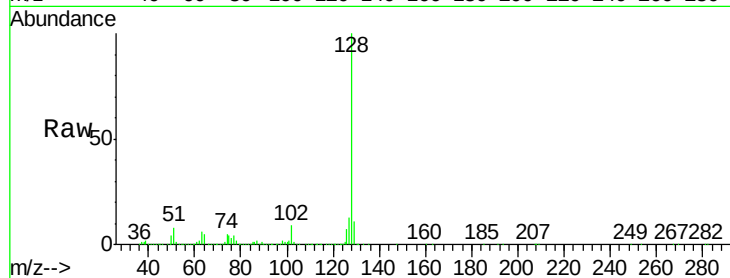
#95
Naphthalene
Concen: 20.64 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Instrument :
MSVOA_X
ClientSampleId :
VX0524WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	460535		
127	13.1		10.4	15.6
129	10.8		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/25/2018 2:25:54 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.59 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX001947.D
Acq: 24 May 2018 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	146784		
182	95.6		47.9	143.6
145	30.1		15.1	45.3

