

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050818\
 Data File : VX001532.D
 Acq On : 09 May 2018 00:15
 Operator : JC/MD
 Sample : VX0508WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/10/2018 1:11:30 PM

Quant Time: May 09 07:47:14 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	223608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	294175	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	283402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	197286	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	165074	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
35) Dibromofluoromethane	5.51	113	130796	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	8.72	98	470987	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
62) 4-Bromofluorobenzene	11.14	95	174429	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	64082	21.29	ug/l	99
3) Chloromethane	1.32	50	61334	20.92	ug/l	99
4) Vinyl Chloride	1.40	62	64880	21.21	ug/l	98
5) Bromomethane	1.64	94	38789	26.05	ug/l	98
6) Chloroethane	1.72	64	42693	21.11	ug/l	99
7) Trichlorofluoromethane	1.93	101	99717	21.66	ug/l	98
8) Diethyl Ether	2.19	74	39426	21.85	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	56963	21.10	ug/l	99
10) Methyl Iodide	2.51	142	75053	19.27	ug/l	100
11) Tert butyl alcohol	3.09	59	80334	118.55	ug/l	98
12) 1,1-Dichloroethene	2.37	96	52337	21.15	ug/l	100
13) Acrolein	2.29	56	14942	105.09	ug/l	96
14) Allyl chloride	2.73	41	96037	20.82	ug/l	99
15) Acrylonitrile	3.15	53	175824	114.82	ug/l	99
16) Acetone	2.45	43	161476	110.65	ug/l	99
17) Carbon Disulfide	2.57	76	122921	19.52	ug/l	100
18) Methyl Acetate	2.78	43	96576	25.19	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	192622	22.36	ug/l	100
20) Methylene Chloride	2.86	84	61814	21.39	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	56779	20.56	ug/l	96
22) Diisopropyl ether	3.88	45	182224	21.14	ug/l	99
23) Vinyl Acetate	3.83	43	753859	104.94	ug/l	99
24) 1,1-Dichloroethane	3.70	63	105343	21.88	ug/l	99
25) 2-Butanone	4.72	43	237600	112.63	ug/l	98
26) 2,2-Dichloropropane	4.59	77	53755	14.46	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	61615	20.95	ug/l	97
28) Bromochloromethane	5.03	49	46741	22.39	ug/l	98
29) Tetrahydrofuran	5.18	42	151629	112.34	ug/l	99
30) Chloroform	5.22	83	108474	21.87	ug/l	99
31) Cyclohexane	5.57	56	83938	20.30	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	94783	21.87	ug/l	99
36) 1,1-Dichloropropene	5.81	75	75430	20.16	ug/l	99
37) Ethyl Acetate	4.87	43	89540	21.83	ug/l	99
38) Carbon Tetrachloride	5.79	117	84689	21.22	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	84372	19.07	ug/l	97
40) Benzene	6.15	78	233223	21.34	ug/l	98
41) Methacrylonitrile	5.07	41	50685	21.60	ug/l	98
42) 1,2-Dichloroethane	6.21	62	93943	22.36	ug/l	99
43) Isopropyl Acetate	6.48	43	137948	21.91	ug/l	100
44) Trichloroethene	7.22	130	71229	21.32	ug/l	99
45) 1,2-Dichloropropane	7.52	63	58685	21.54	ug/l	99
46) Dibromomethane	7.67	93	41987	21.77	ug/l	99
47) Bromodichloromethane	7.90	83	76488	21.43	ug/l	99
48) Methyl methacrylate	7.79	41	74469	21.72	ug/l	99
49) 1,4-Dioxane	7.76	88	33928	458.00	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	481805	115.14	ug/l	99
52) Toluene	8.79	92	149382	20.90	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	82509	20.45	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	74032	19.21	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	63508	22.06	ug/l	96
56) Ethyl methacrylate	9.19	69	87044	20.97	ug/l	97
57) 1,3-Dichloropropane	9.38	76	104908	22.04	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	235633	115.75	ug/l	98
59) 2-Hexanone	9.51	43	363190	113.35	ug/l	99
60) Dibromochloromethane	9.59	129	63711	21.61	ug/l	99
61) 1,2-Dibromoethane	9.68	107	65955	21.82	ug/l	99
64) Tetrachloroethene	9.34	164	86699	21.95	ug/l	97
65) Chlorobenzene	10.15	112	171604	20.65	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	62983	21.18	ug/l	99
67) Ethyl Benzene	10.26	91	278231	20.42	ug/l	100
68) m/p-Xylenes	10.37	106	220874	41.03	ug/l	98
69) o-Xylene	10.71	106	109127	20.86	ug/l	98
70) Styrene	10.72	104	177758	20.92	ug/l	100
71) Bromoform	10.87	173	48727	19.39	ug/l	100
73) Isopropylbenzene	11.02	105	289963	21.23	ug/l	100
74) N-amyl acetate	6.48	43	137948	22.24	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	89088	22.09	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	87677m	21.91	ug/l	
77) Bromobenzene	11.26	156	83501	21.03	ug/l	99
78) n-propylbenzene	11.37	91	315136	21.19	ug/l	99
79) 2-Chlorotoluene	11.43	91	194418	21.24	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	241649	21.25	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	18483	17.75	ug/l #	86
82) 4-Chlorotoluene	11.52	91	223728	21.19	ug/l	99
83) tert-Butylbenzene	11.77	119	232985	20.59	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	249535	21.35	ug/l	100
85) sec-Butylbenzene	11.95	105	286425	21.09	ug/l	100
86) p-Isopropyltoluene	12.07	119	260176	20.88	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	145740	20.53	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	149545	20.66	ug/l	99
89) n-Butylbenzene	12.40	91	202030	19.57	ug/l	98
90) Hexachloroethane	12.60	117	39356	20.98	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	151243	20.94	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	20332	22.94	ug/l	97

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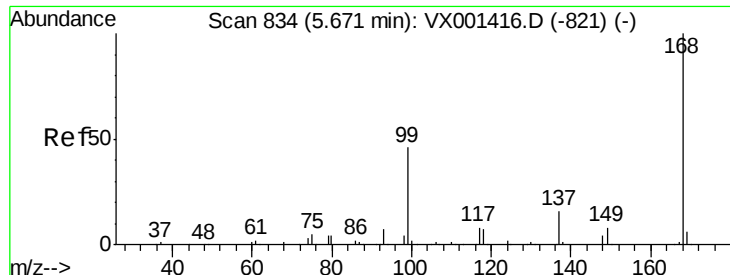
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	105982	20.06	ug/l	99
94) Hexachlorobutadiene	13.79	225	57553	19.91	ug/l	99
95) Naphthalene	13.84	128	317885	21.75	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	112357	20.72	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: VX001532.D

Acq: 09 May 2018 00:15

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBSD02

Tot Ion:168 Resp: 223608

Ion Ratio Lower Upper

168 100

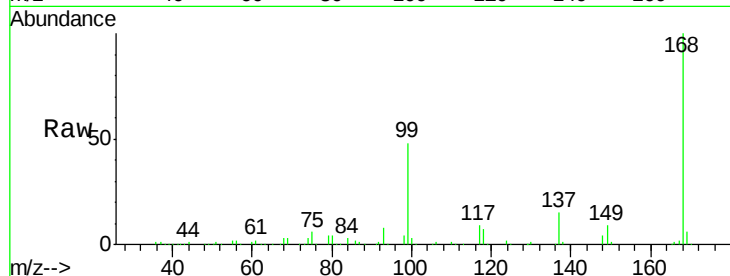
99 47.4 36.6 54.8

Manual Integrations

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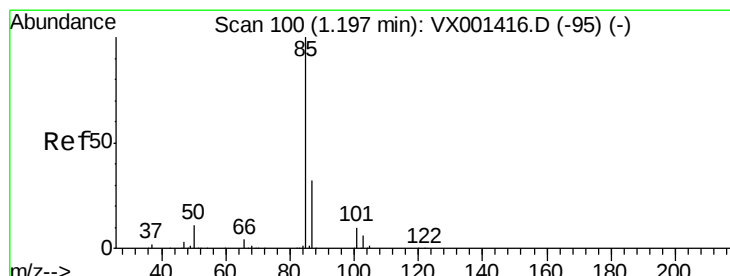
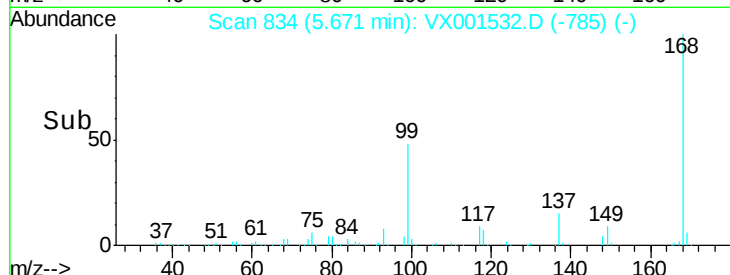
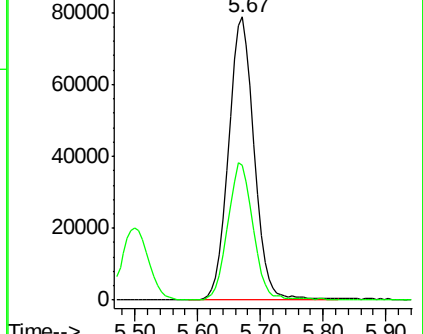
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 21.29 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001532.D

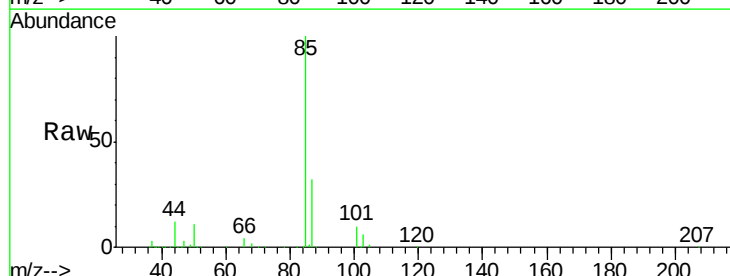
Acq: 09 May 2018 00:15

Tgt Ion: 85 Resp: 64082

Ion Ratio Lower Upper

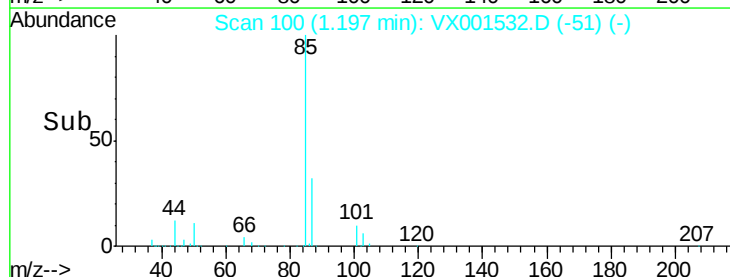
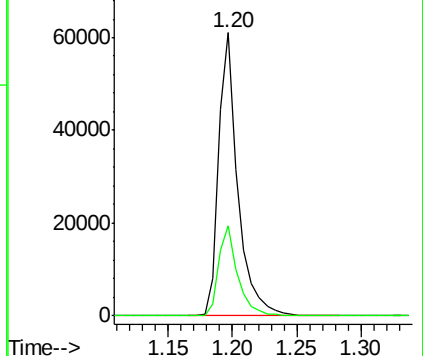
85 100

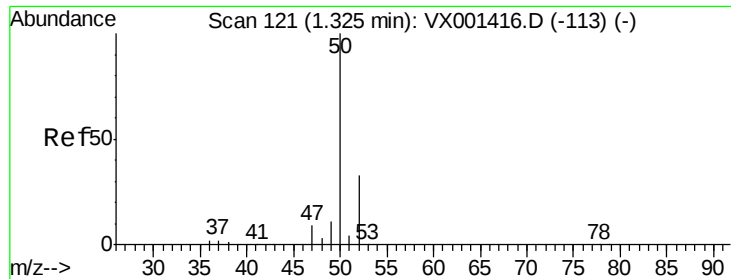
87 31.7 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.92 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBSD02

Tot Ion: 50 Resp: 61334

Ion Ratio Lower Upper

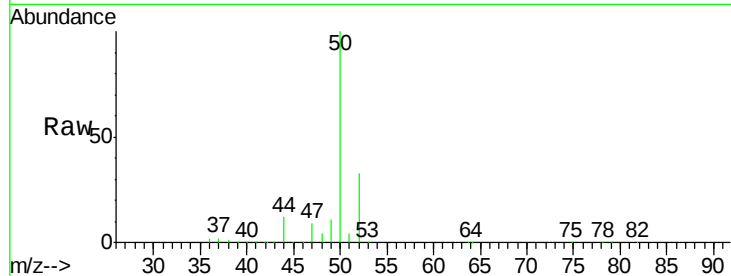
50 100

52 33.2 26.2 39.4

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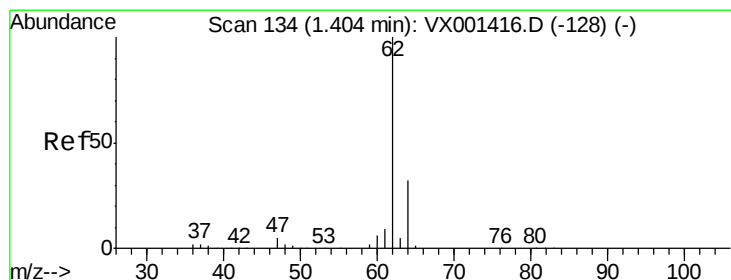
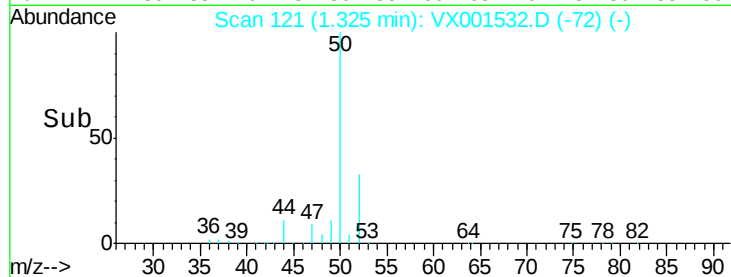
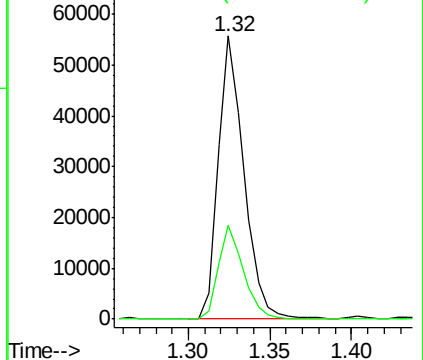
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.21 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001532.D

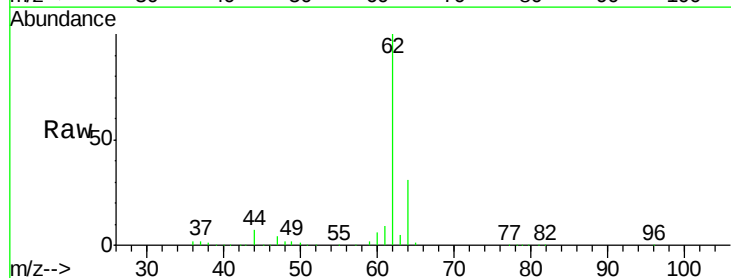
Acq: 09 May 2018 00:15

Tgt Ion: 62 Resp: 64880

Ion Ratio Lower Upper

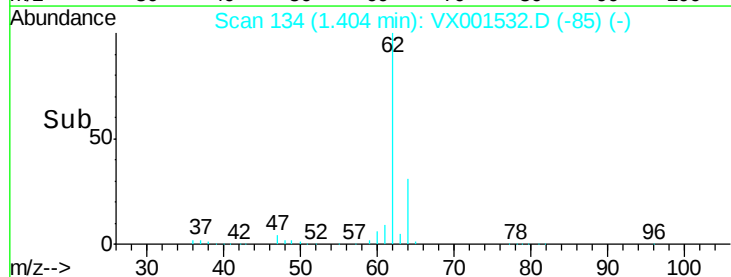
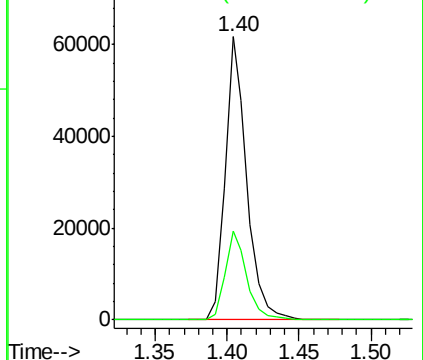
62 100

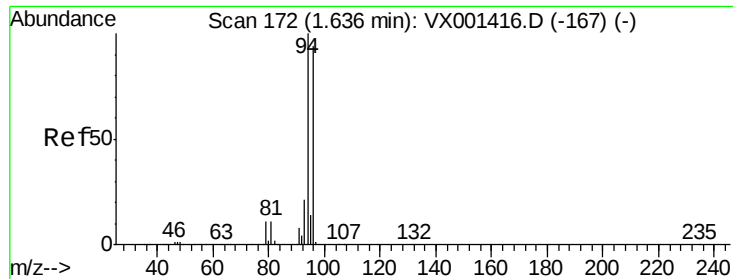
64 31.3 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 26.05 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBSD02

Tot Ion: 94 Resp: 38789

Ion Ratio Lower Upper

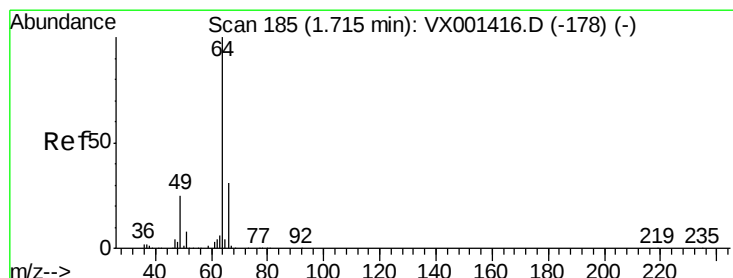
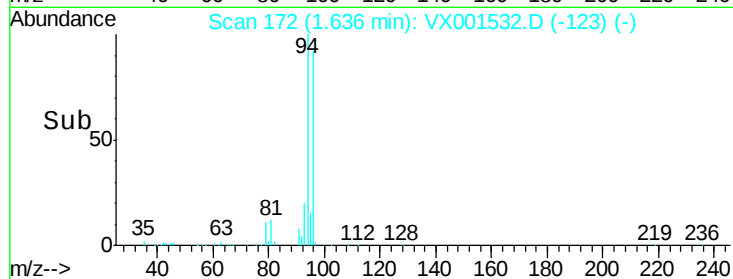
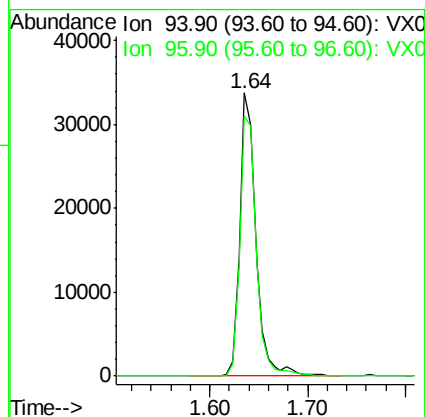
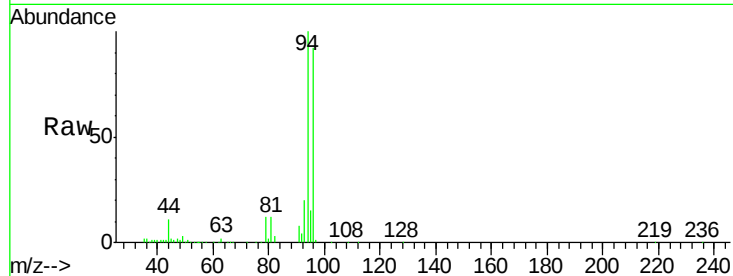
94 100

96 91.9 75.0 112.6

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#6

Chloroethane

Concen: 21.11 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX001532.D

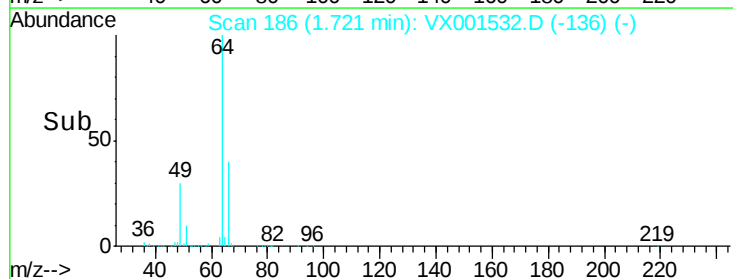
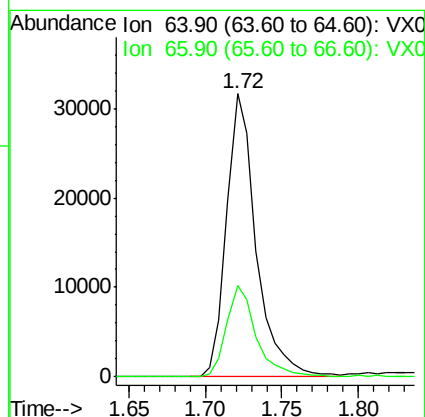
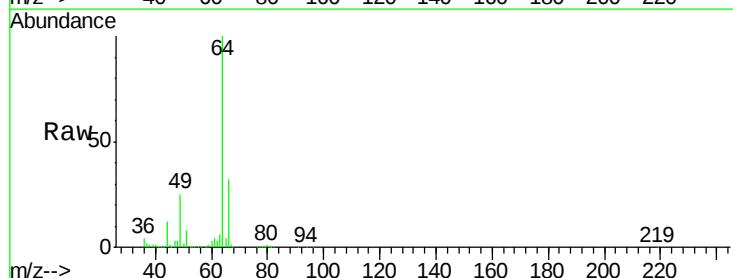
Acq: 09 May 2018 00:15

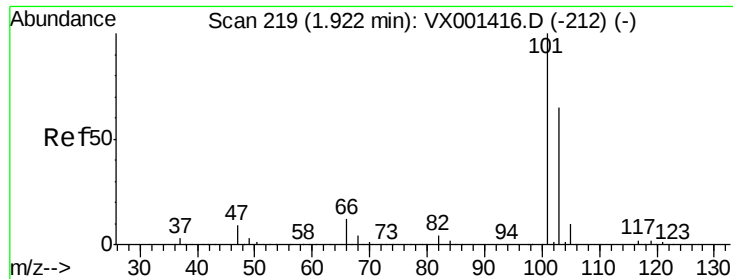
Tgt Ion: 64 Resp: 42693

Ion Ratio Lower Upper

64 100

66 32.1 25.1 37.7





#7

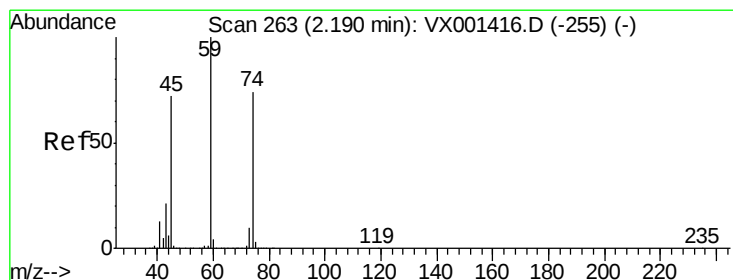
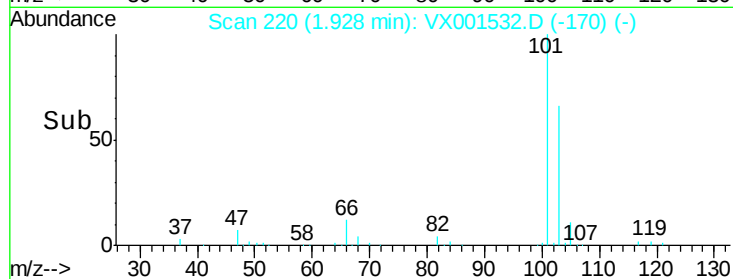
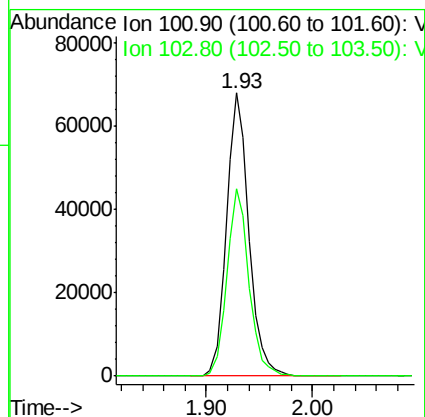
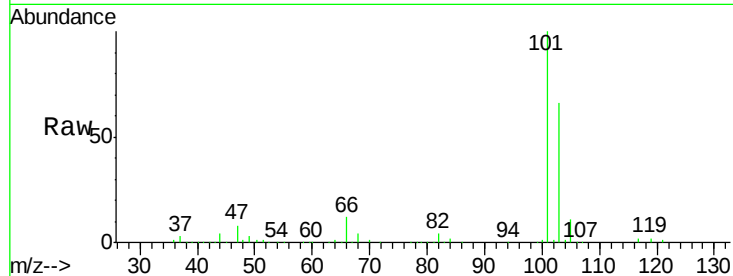
Trichlorofluoromethane
Concen: 21.66 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBSD02

Tot Ion:101 Resp: 99717
Ion Ratio Lower Upper
101 100
103 66.2 52.0 78.0

Manual Integrations
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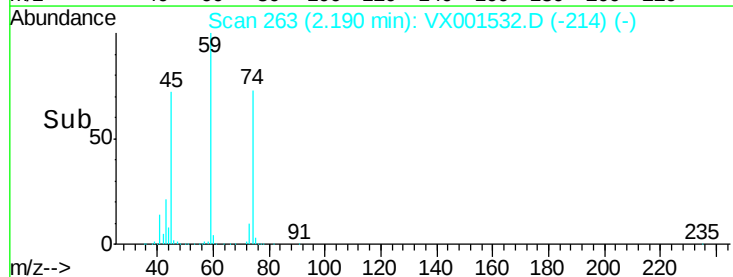
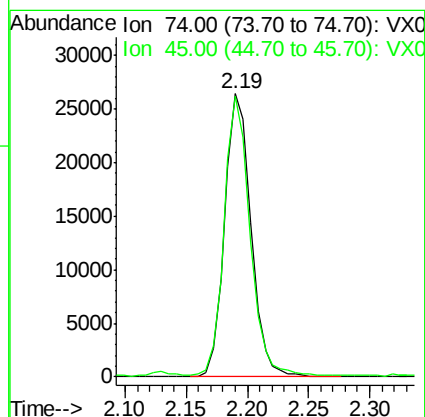
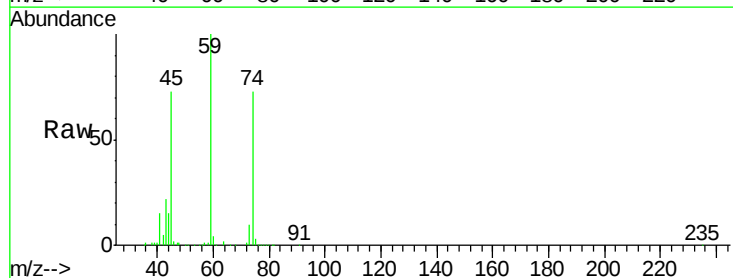
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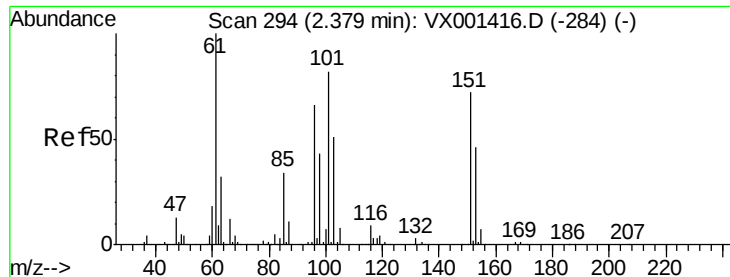


#8

Diethyl Ether
Concen: 21.85 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Tgt Ion: 74 Resp: 39426
Ion Ratio Lower Upper
74 100
45 96.9 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.10 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Instrument :

MSVOA_X

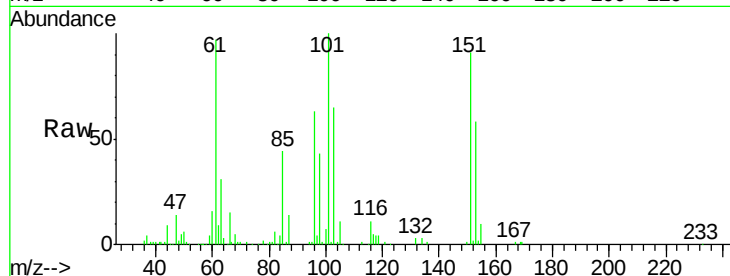
ClientSampleId :

VX0508WBSD02

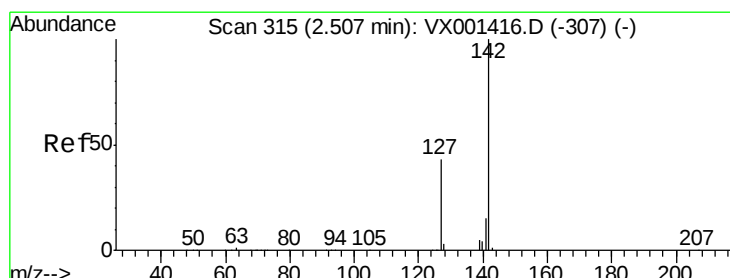
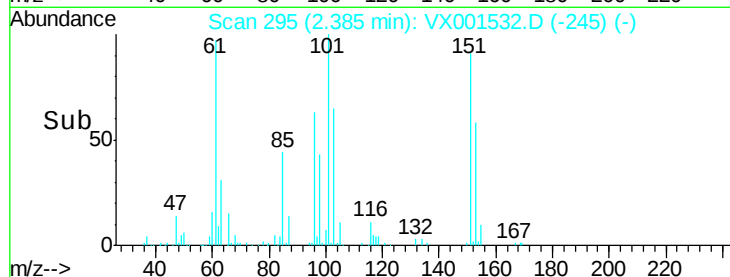
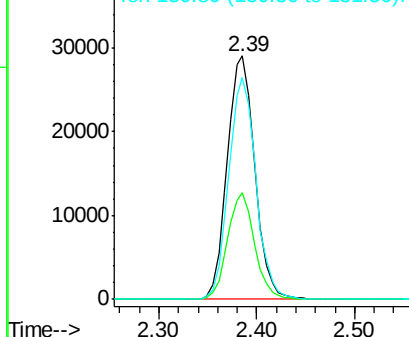
Tot Ion:	101	Resp:	56963
Ion Ratio	Lower	Upper	
101	100		
85	42.5	33.7	50.5
151	89.9	72.3	108.5

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



#10

Methyl Iodide

Concen: 19.27 ug/l

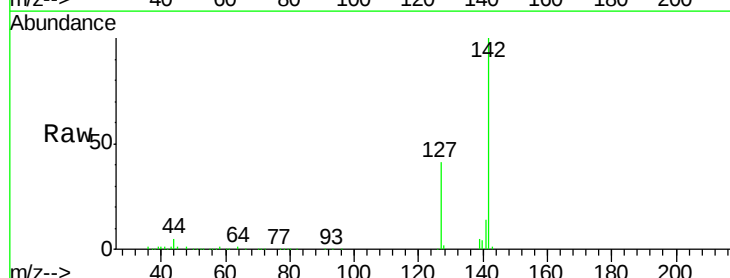
RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

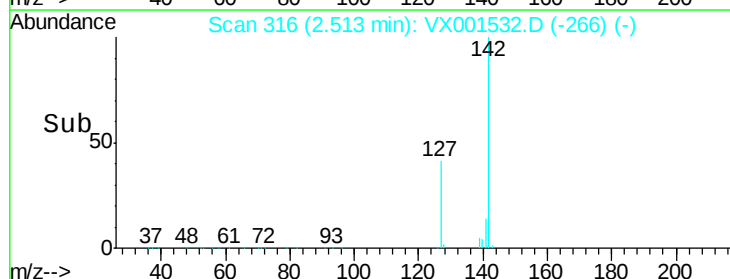
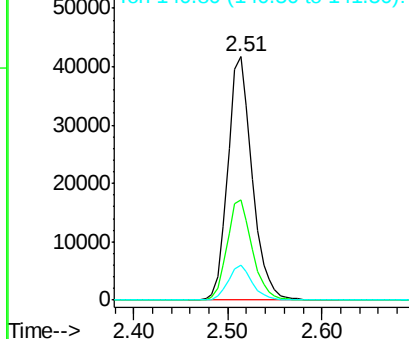
Lab File: VX001532.D

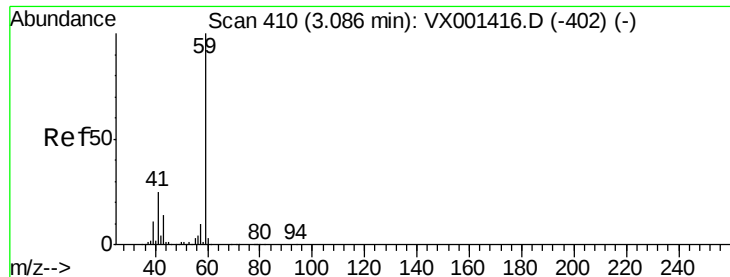
Acq: 09 May 2018 00:15

Tgt Ion:	142	Resp:	75053
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.6	50.4
141	14.2	11.4	17.2



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





#11

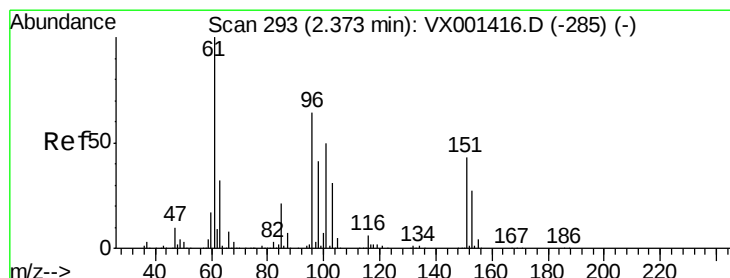
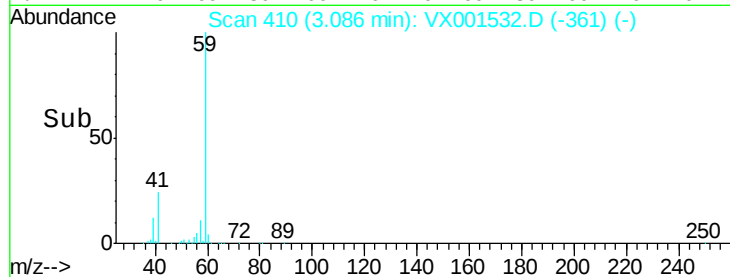
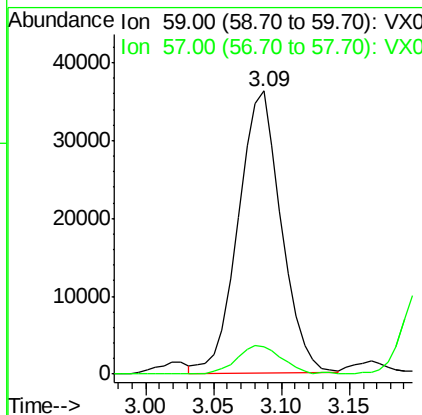
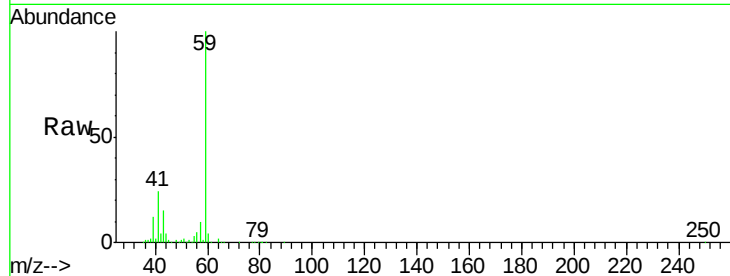
Tert butyl alcohol
 Concen: 118.55 ug/l
 RT: 3.09 min Scan# 410
 Delta R.T. 0.00 min
 Lab File: VX001532.D
 Acq: 09 May 2018 00:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBSD02

Tot Ion	59	Resp	80334
Ion Ratio	100	Lower	Upper
57	11.0	8.2	12.4

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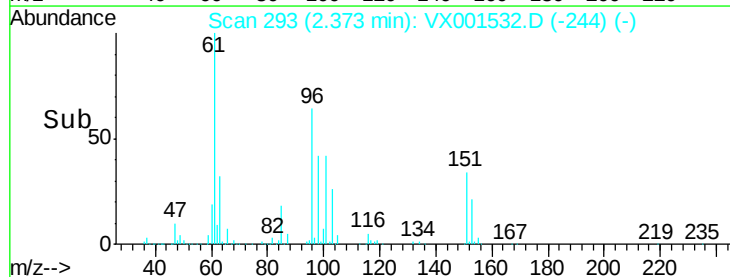
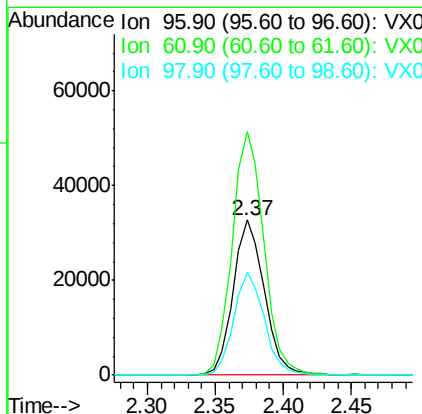
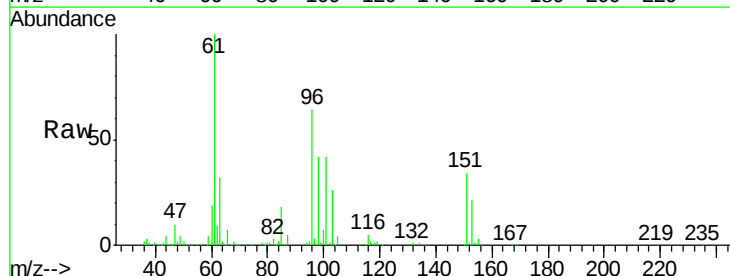
MMDadoda
 5/10/2018 1:11:30 PM

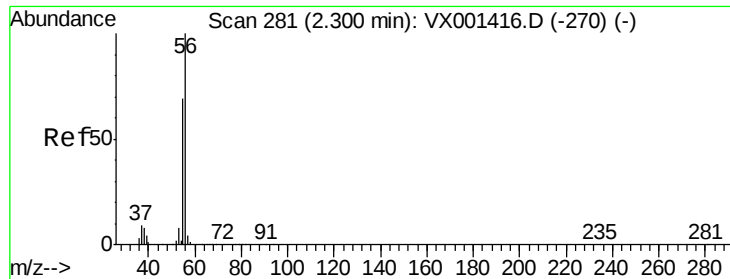


#12

1,1-Dichloroethene
 Concen: 21.15 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX001532.D
 Acq: 09 May 2018 00:15

Tgt Ion	96	Resp	52337
Ion Ratio	100	Lower	Upper
61	157.3	125.7	188.5
98	66.0	52.0	78.0





#13

Acrolein

Concen: 105.09 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBSD02

Tot Ion: 56 Resp: 14942

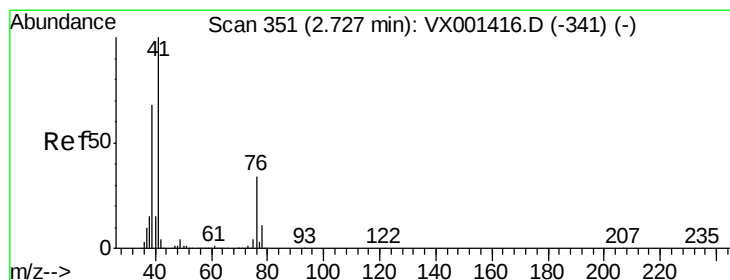
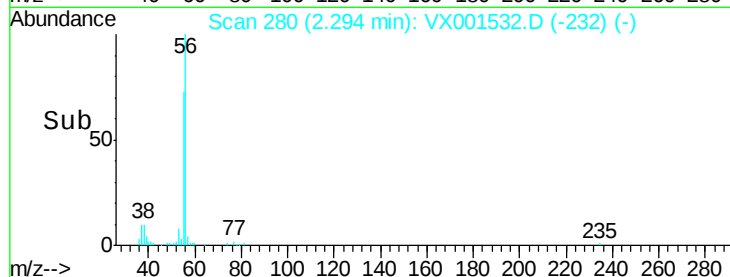
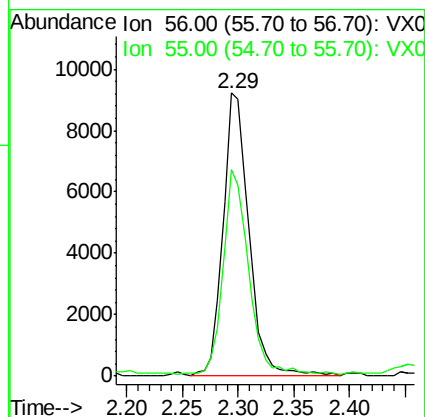
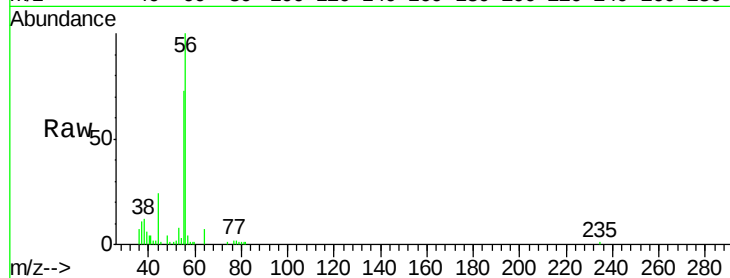
Ion Ratio Lower Upper

56 100

55 71.0 54.5 81.7

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#14

Allyl chloride

Concen: 20.82 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

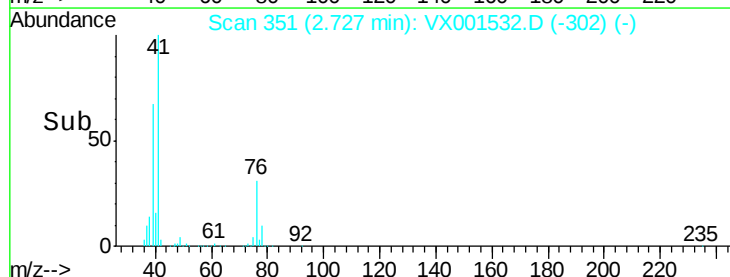
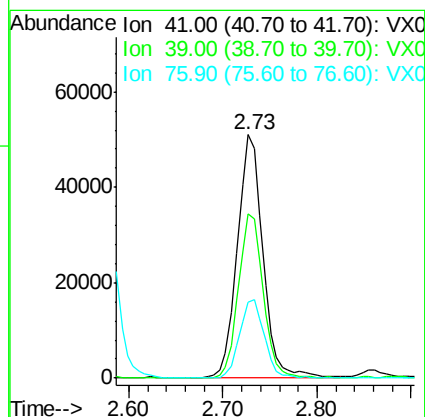
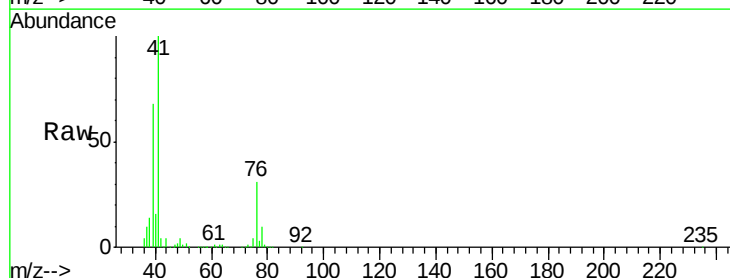
Tgt Ion: 41 Resp: 96037

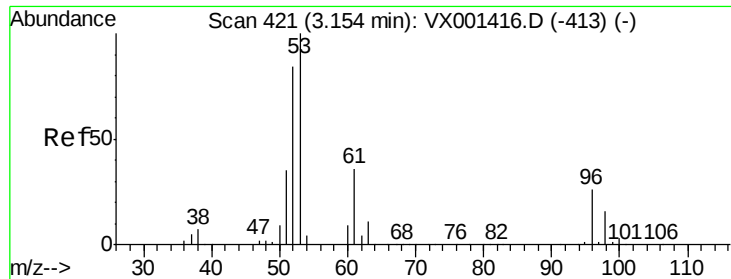
Ion Ratio Lower Upper

41 100

39 65.1 52.4 78.6

76 31.3 25.8 38.6





#15

Acrylonitrile

Concen: 114.82 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Instrument :

MSVOA_X

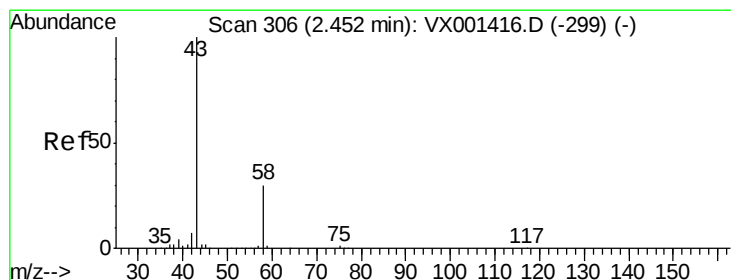
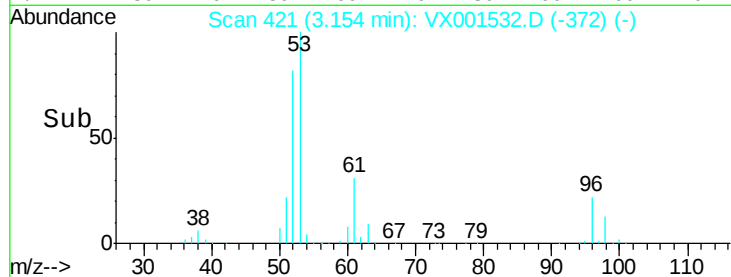
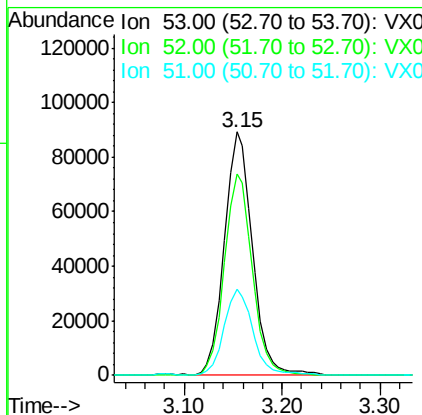
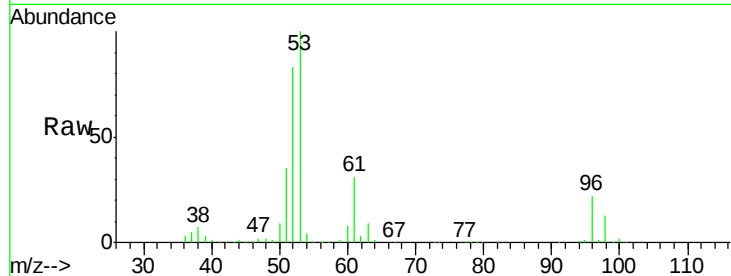
ClientSampleId :

VX0508WBSD02

Tot Ion:	53	Resp:	175824
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.2	99.2
51	36.7	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 110.65 ug/l

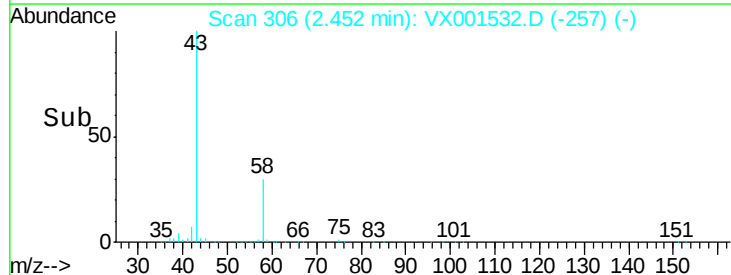
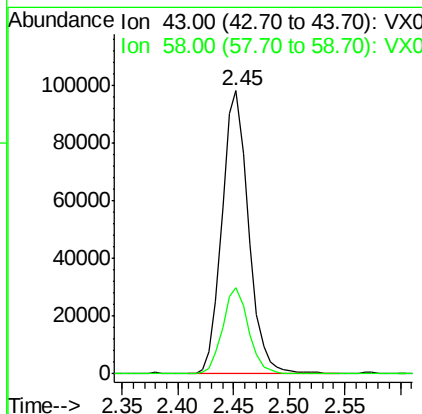
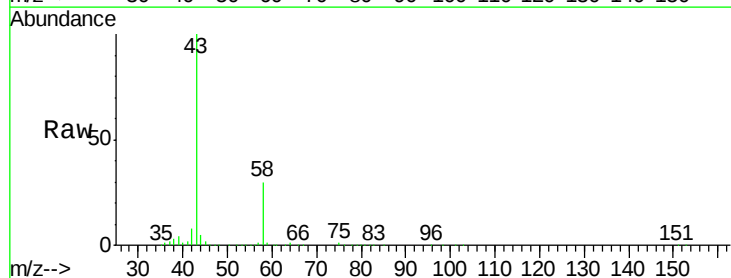
RT: 2.45 min Scan# 306

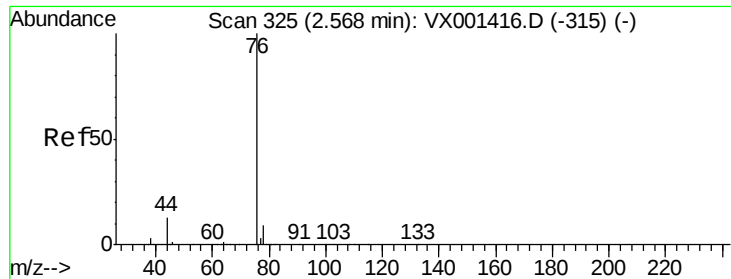
Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Tgt Ion:	43	Resp:	161476
Ion Ratio	Lower	Upper	
43	100		
58	30.3	23.8	35.8





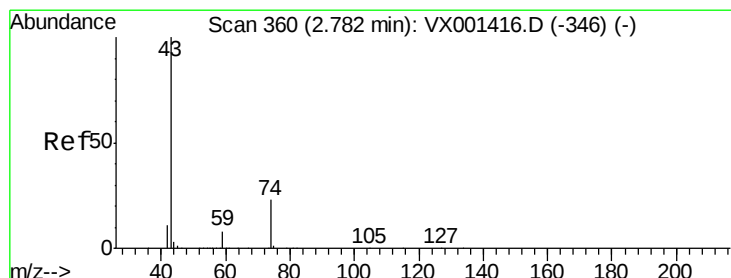
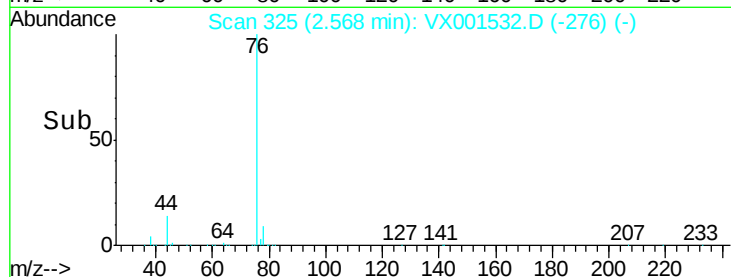
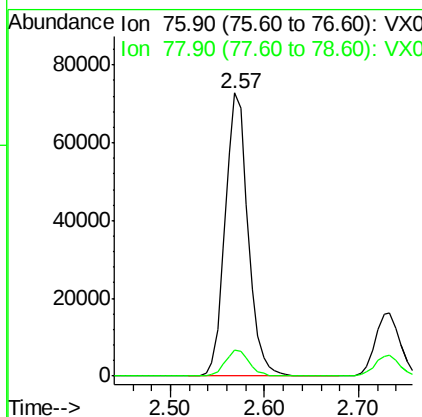
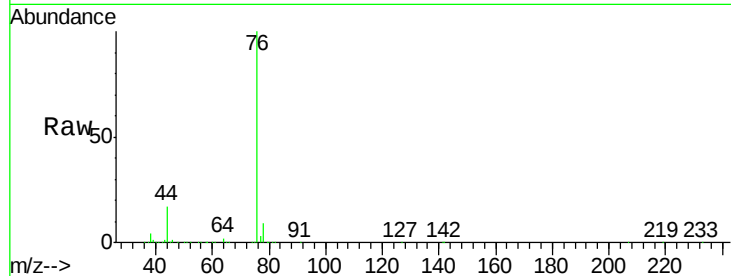
#17
Carbon Disulfide
Concen: 19.52 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

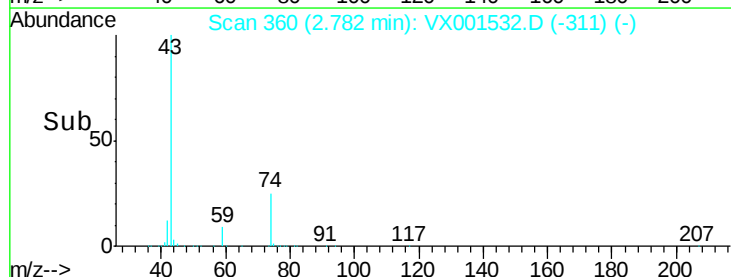
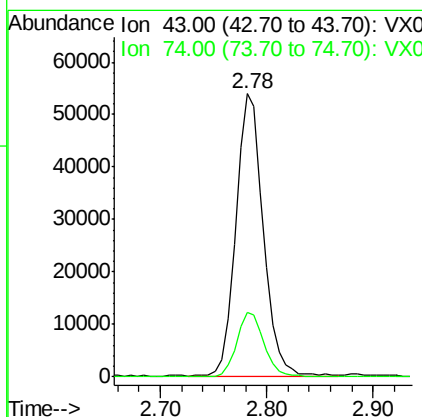
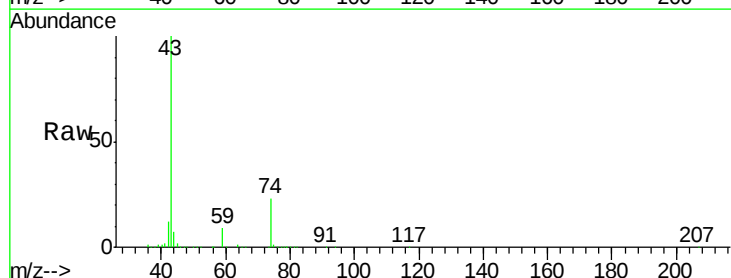
Manual Integrations
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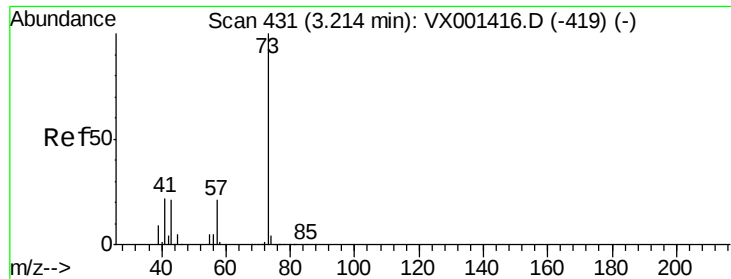
MMDadoda
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#18
Methyl Acetate
Concen: 25.19 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	18.6	27.8





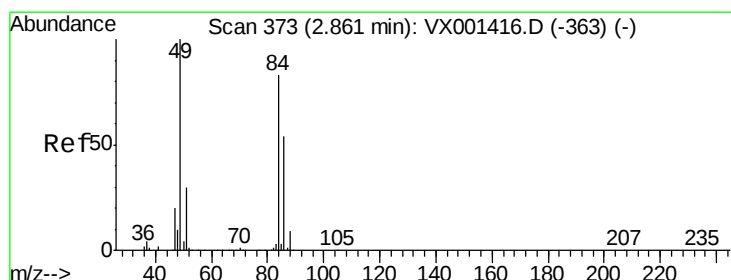
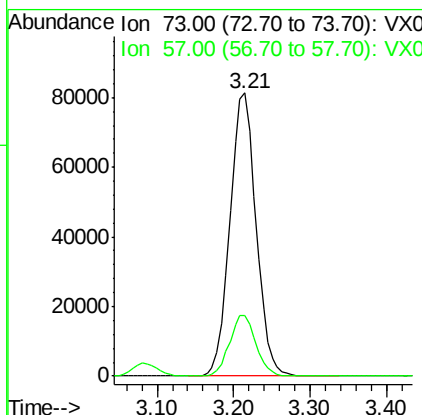
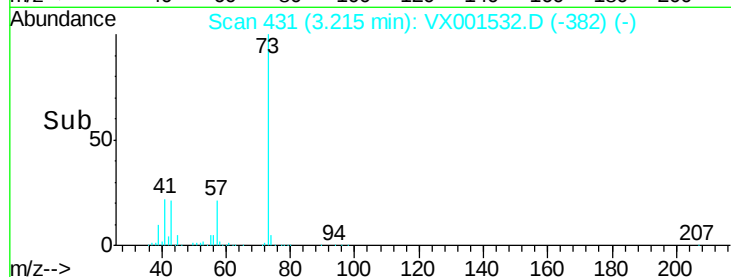
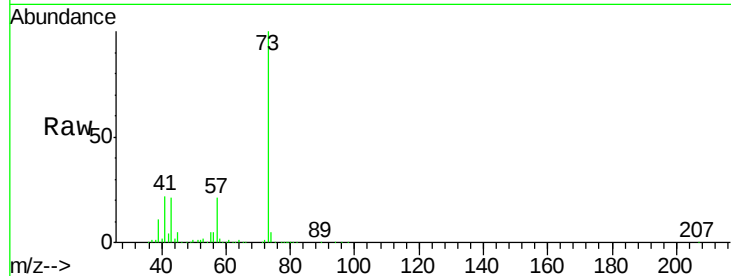
#19
Methvl tert-butvl Ether
Concen: 22.36 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.0	25.6

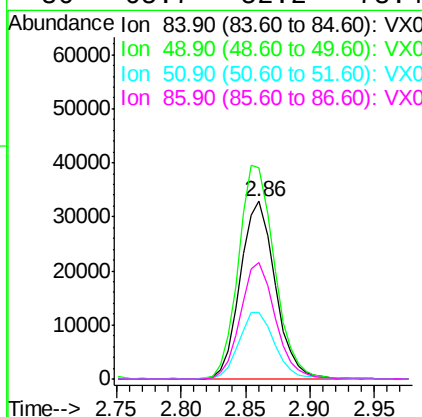
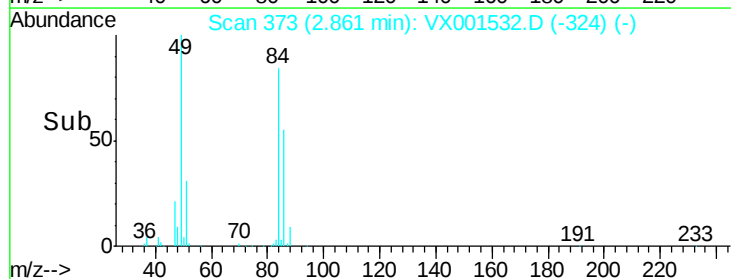
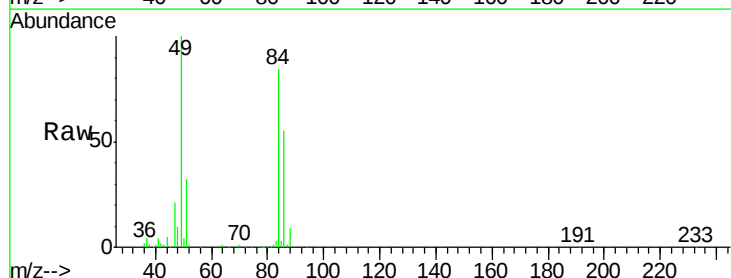
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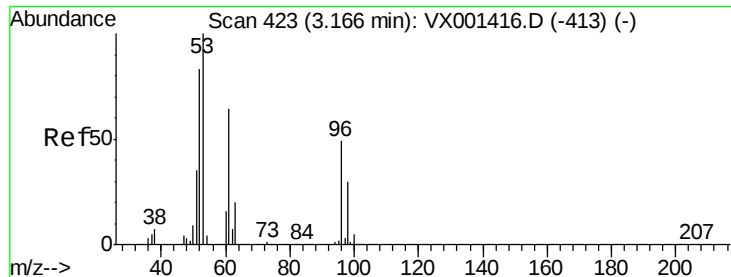
MMDadoda
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#20
Methylene Chloride
Concen: 21.39 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.4	96.6	144.8
51	37.3	29.0	43.4
86	65.7	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 20.56 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Instrument :

MSVOA_X

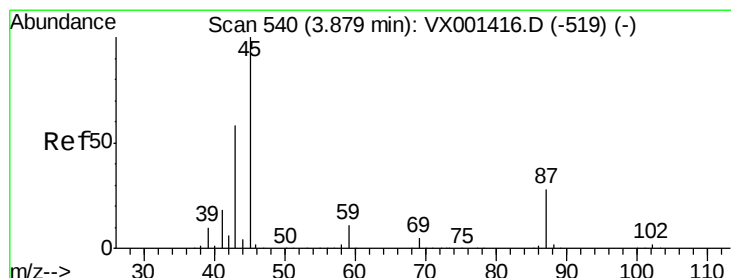
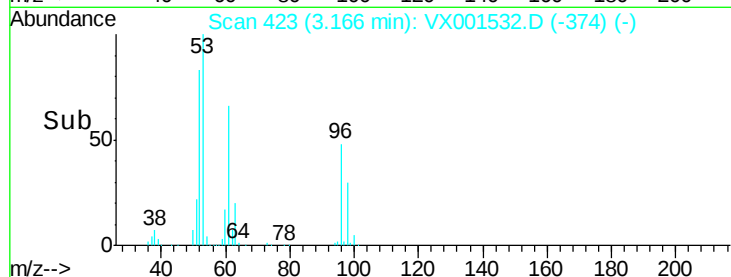
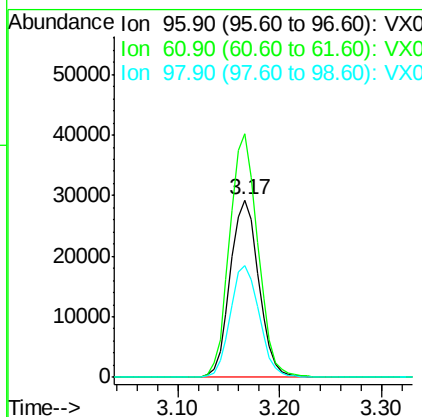
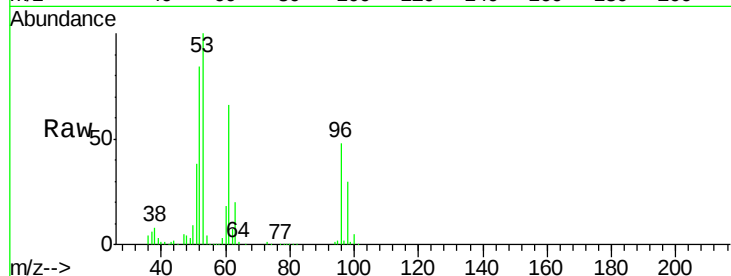
ClientSampleId :

VX0508WBSD02

Tot Ion:	96	Resp:	56779
Ion	Ratio	Lower	Upper
96	100		
61	137.2	105.0	157.4
98	63.1	49.9	74.9

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#22

Diisopropyl ether

Concen: 21.14 ug/l

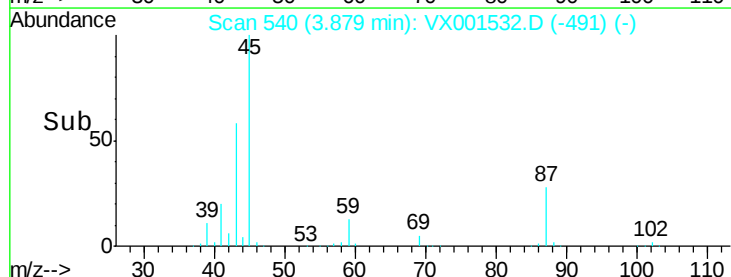
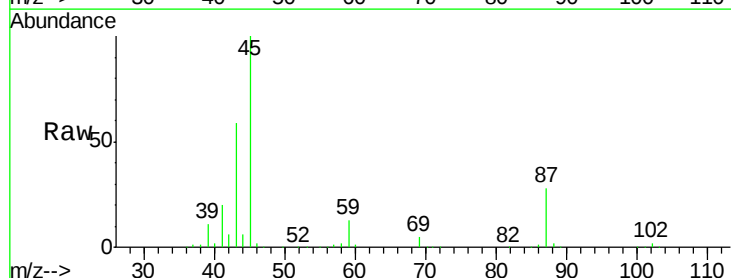
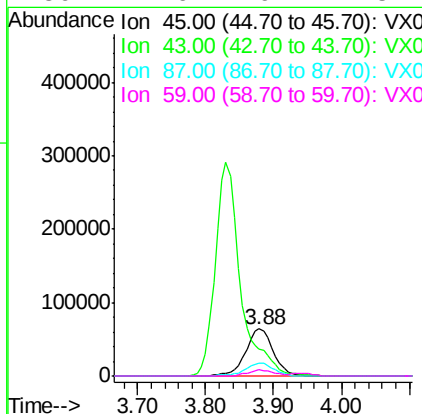
RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Tgt Ion:	45	Resp:	182224
Ion	Ratio	Lower	Upper
45	100		
43	58.3	46.5	69.7
87	27.8	22.6	34.0
59	12.6	9.1	13.7





#23

Vinyl Acetate

Concen: 104.94 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBSD02

Tot Ion: 43 Resp: 753859

Ion Ratio Lower Upper

43 100

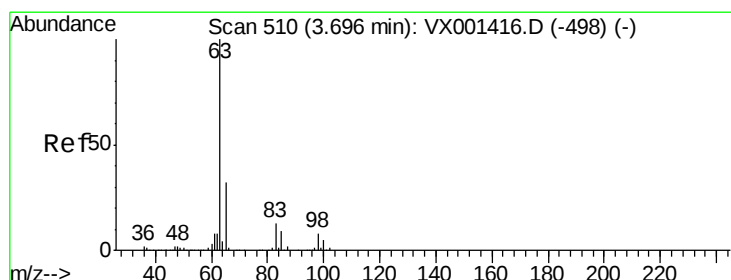
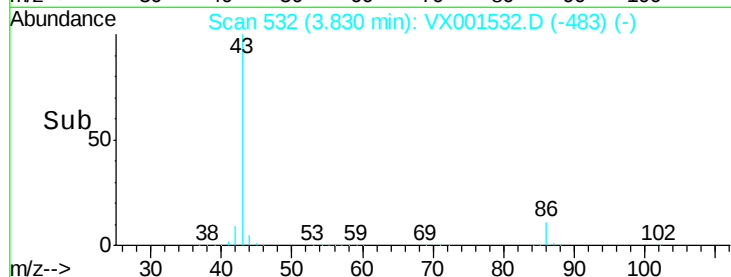
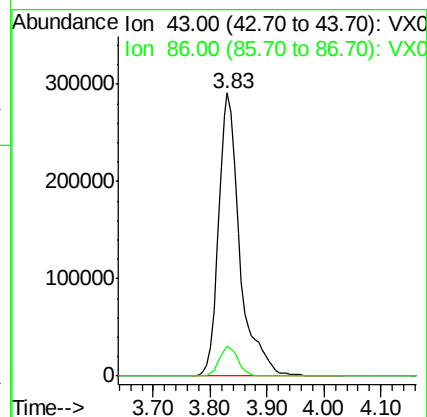
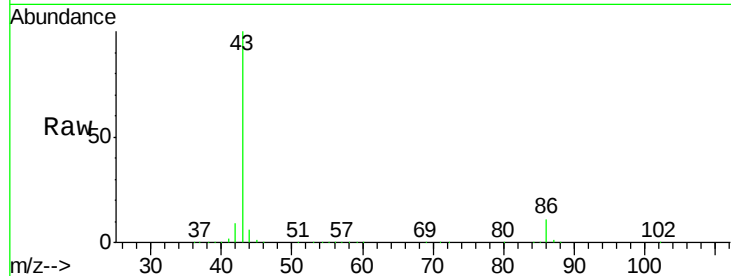
86 10.6 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.88 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

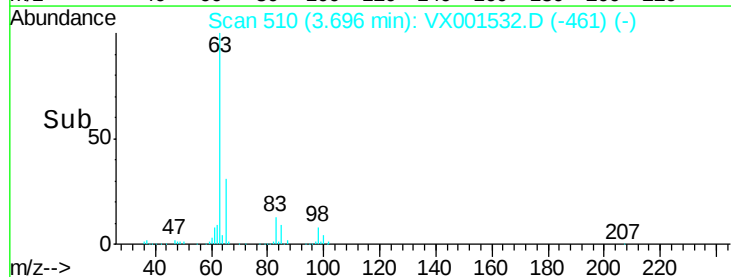
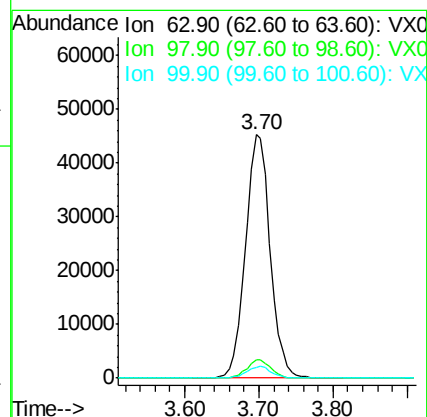
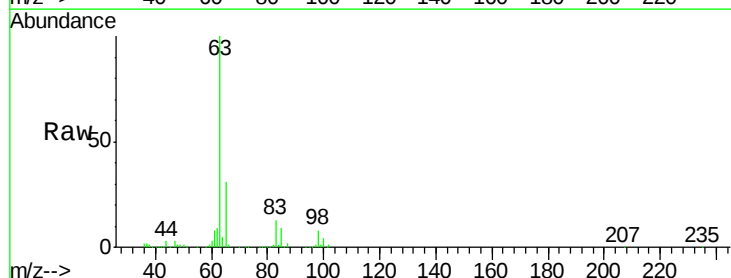
Tgt Ion: 63 Resp: 105343

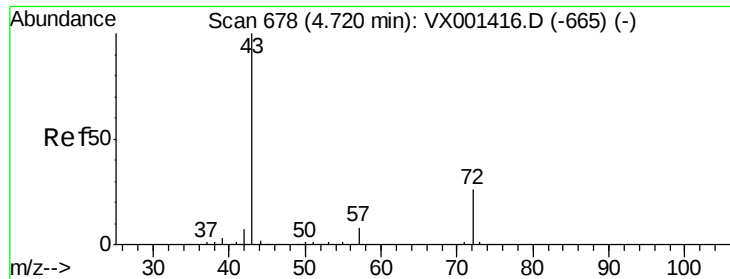
Ion Ratio Lower Upper

63 100

98 7.8 3.8 11.4

100 4.4 2.4 7.1





#25

2-Butanone

Concen: 112.63 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBSD02

Tot Ion: 43 Resp: 237600

Ion Ratio Lower Upper

43 100

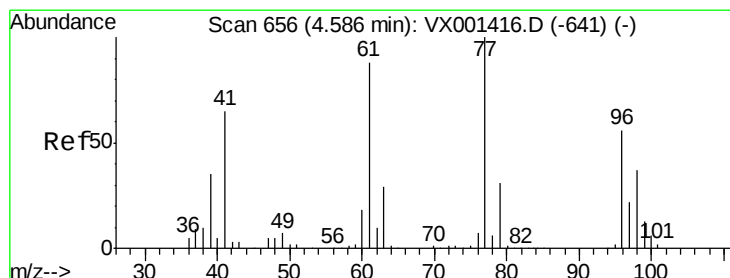
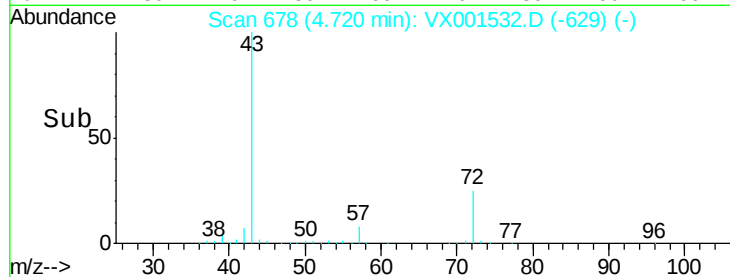
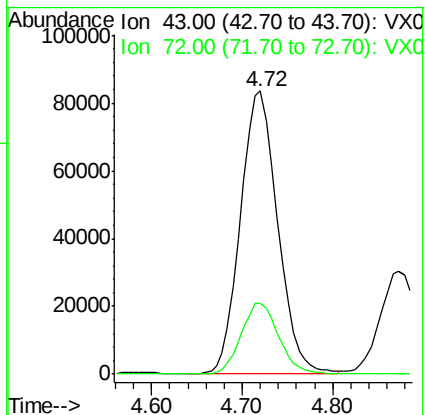
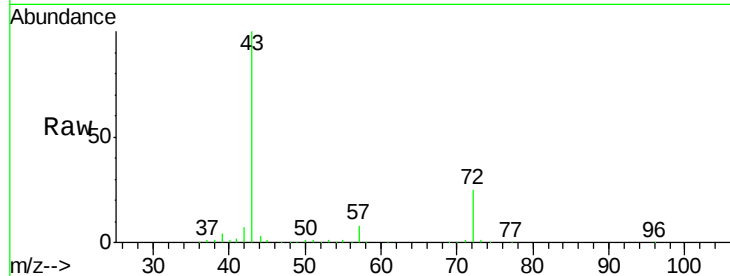
72 25.0 20.7 31.1

Manual Integrations

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5/10/2018 1:11:30 PM



#26

2,2-Dichloropropane

Concen: 14.46 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX001532.D

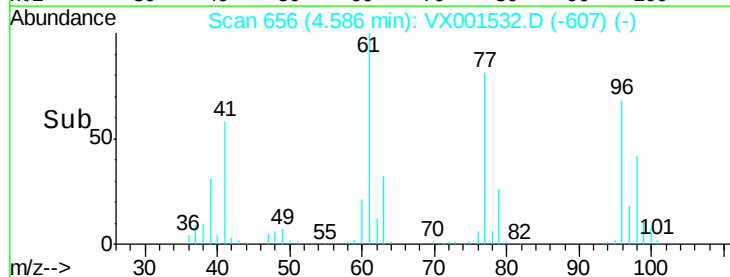
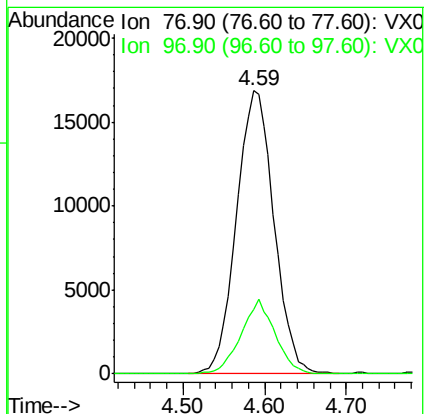
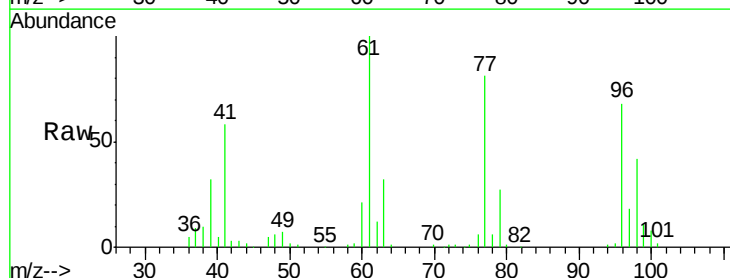
Acq: 09 May 2018 00:15

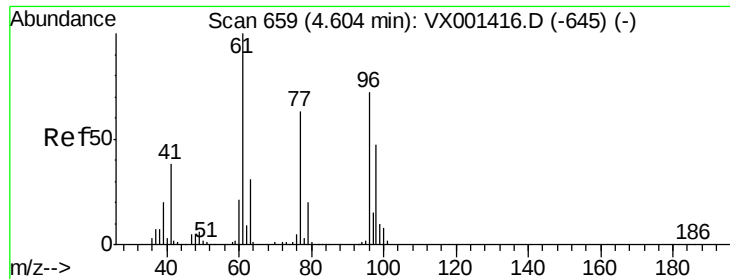
Tgt Ion: 77 Resp: 53755

Ion Ratio Lower Upper

77 100

97 23.9 11.2 33.6





#27

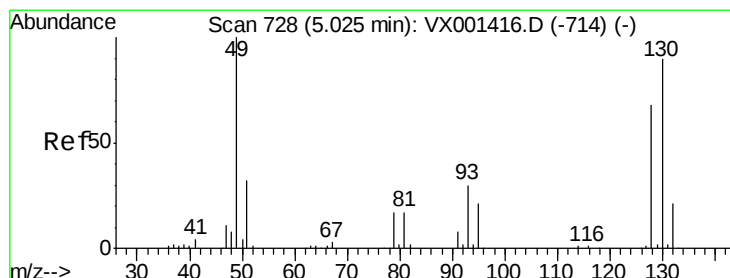
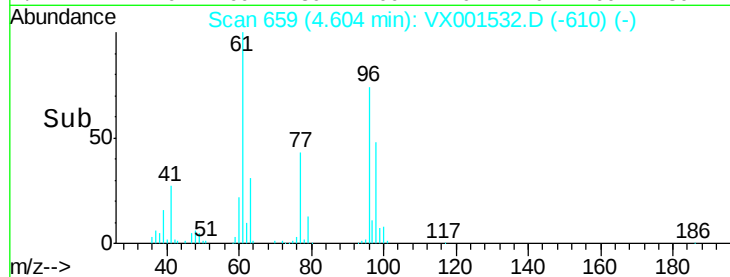
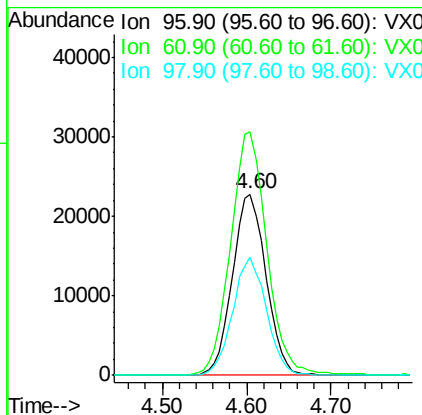
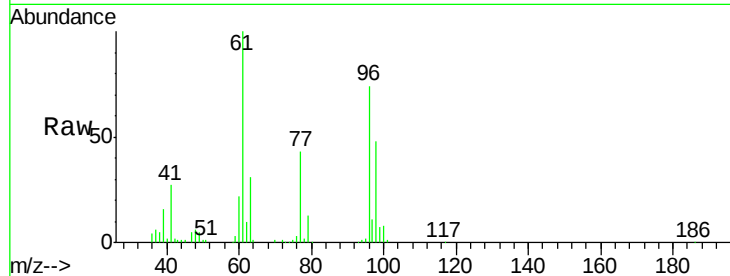
cis-1,2-Dichloroethene
Concen: 20.95 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	61615		
61	145.4	0.0	301.6	
98	65.3	0.0	131.6	

Manual Integrations
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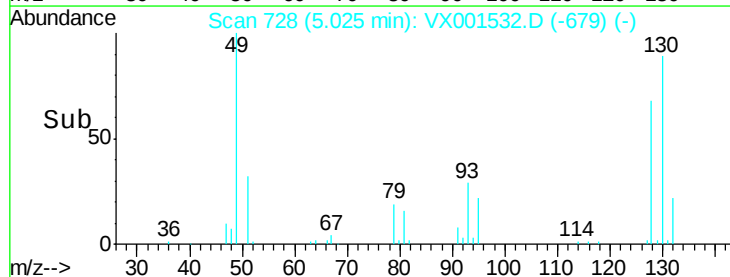
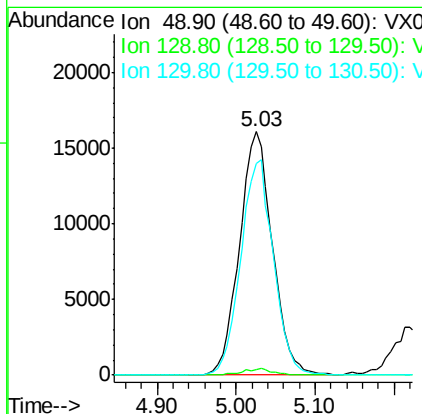
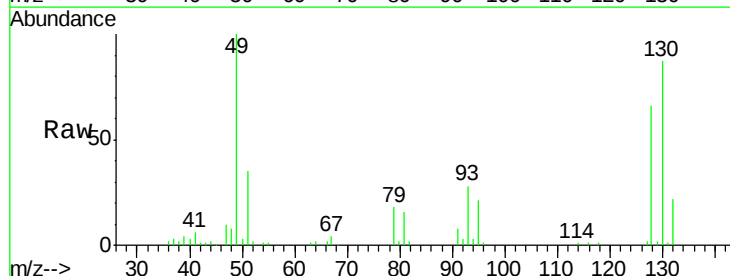
MMDadoda
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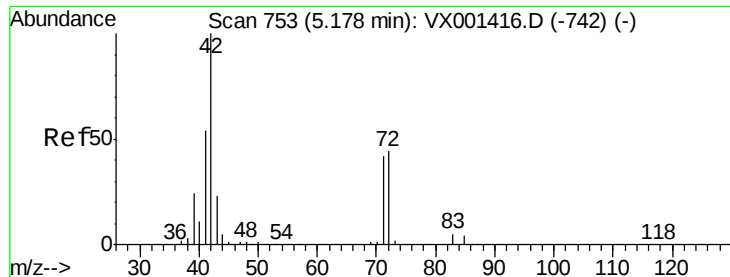


#28

Bromochloromethane
Concen: 22.39 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	46741		
129	2.3	0.0	4.8	
130	87.6	71.9	107.9	





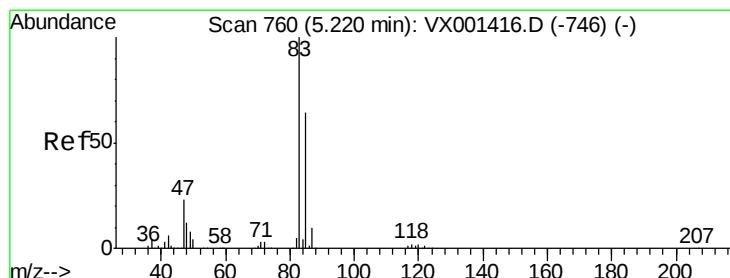
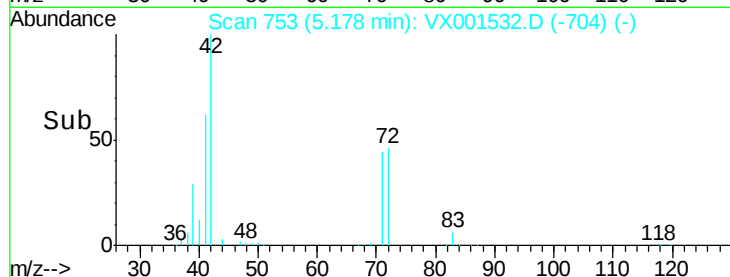
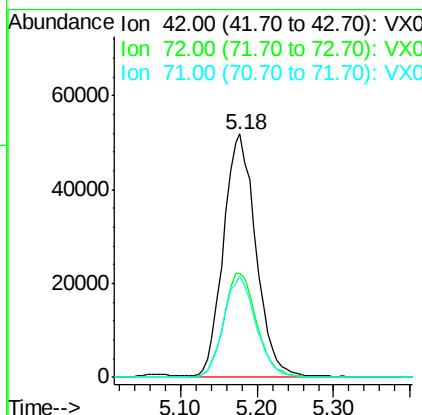
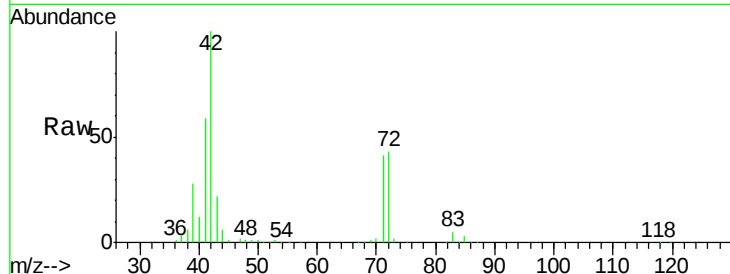
#29
Tetrahydrofuran
Concen: 112.34 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	35.4	53.2
71	41.5	33.0	49.4

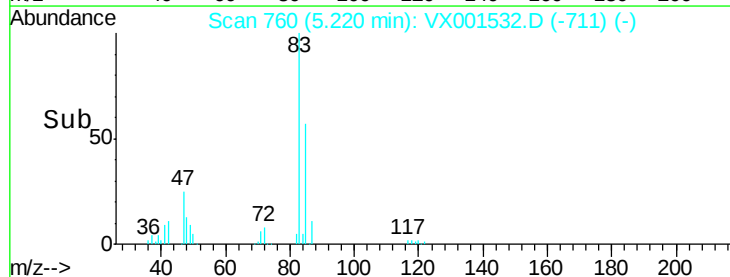
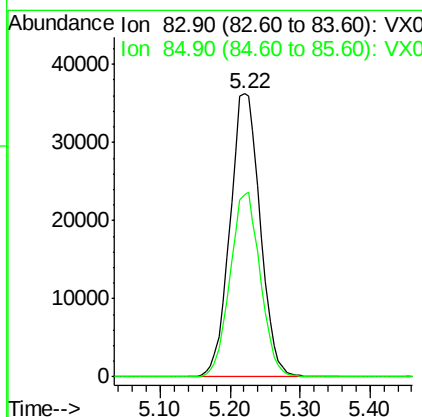
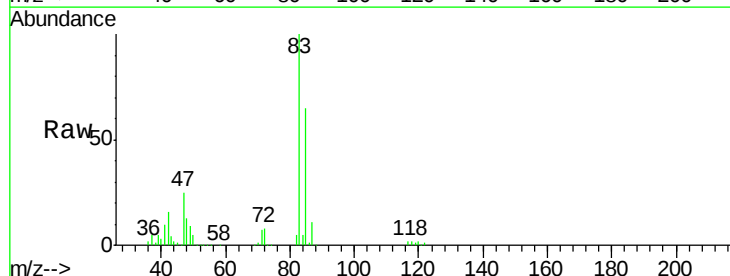
Manual Integrations
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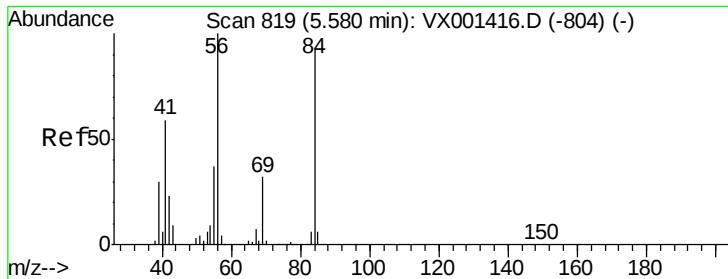
MMDadoda
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#30
Chloroform
Concen: 21.87 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.0	76.4





#31

Cyclohexane

Concen: 20.30 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Instrument :

MSVOA_X

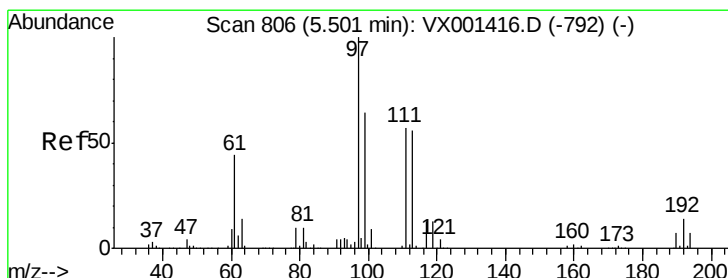
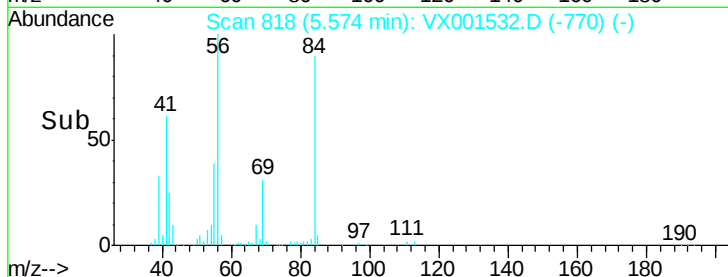
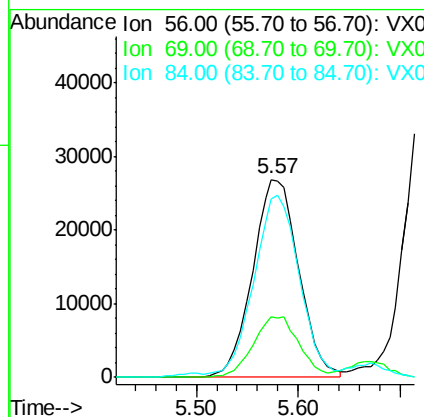
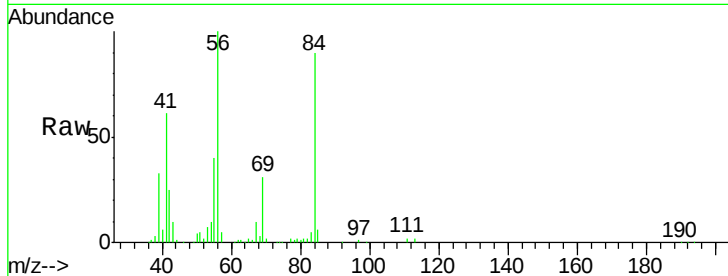
ClientSampleId :

VX0508WBSD02

Tot Ion:	56	Resp:	83938
Ion	Ratio	Lower	Upper
56	100		
69	30.6	25.4	38.0
84	88.5	73.8	110.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.87 ug/l

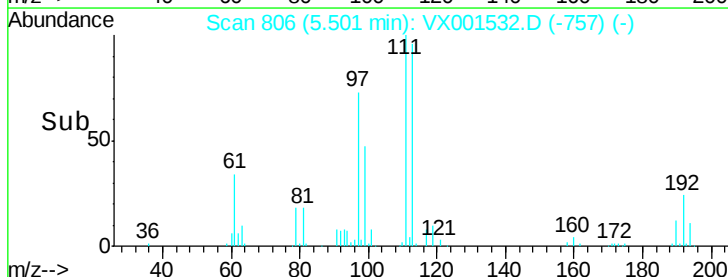
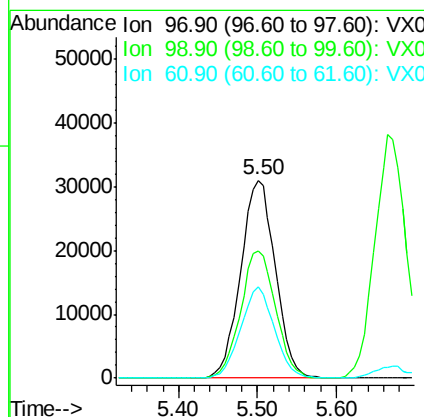
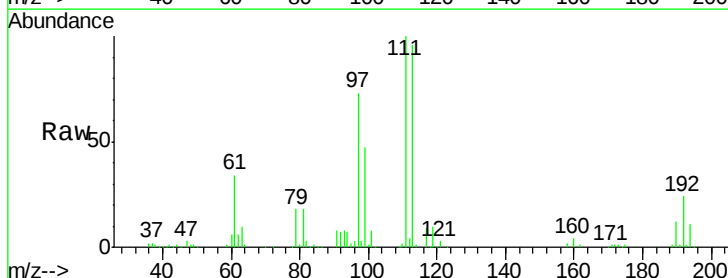
RT: 5.50 min Scan# 806

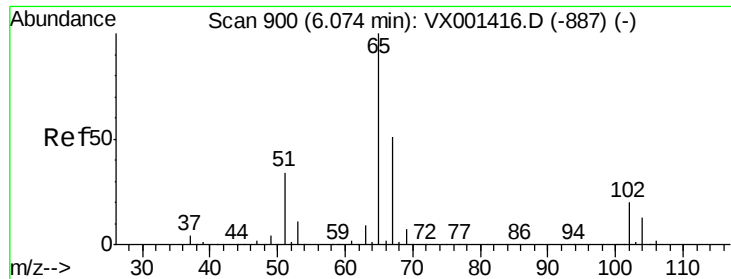
Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Tgt Ion:	97	Resp:	94783
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.3	76.9
61	44.9	34.8	52.2





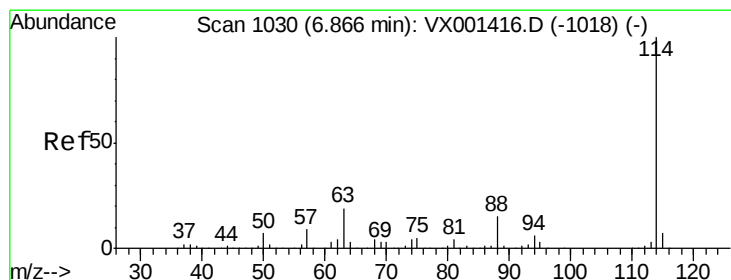
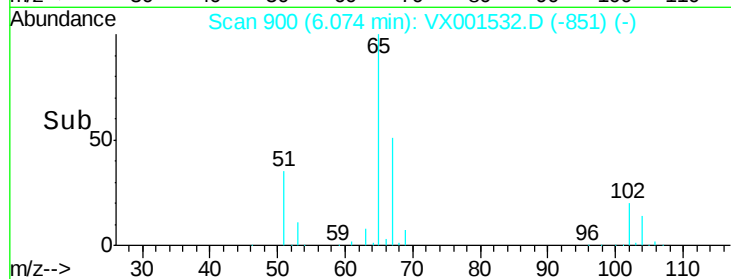
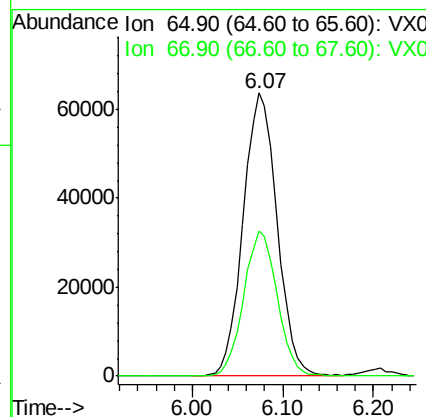
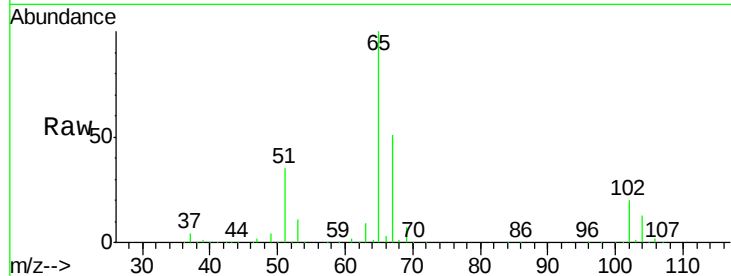
#33
 1,2-Dichloroethane-d4
 Concen: 51.36 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001532.D
 Acq: 09 May 2018 00:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	165074		
67	50.7	0.0	101.8	

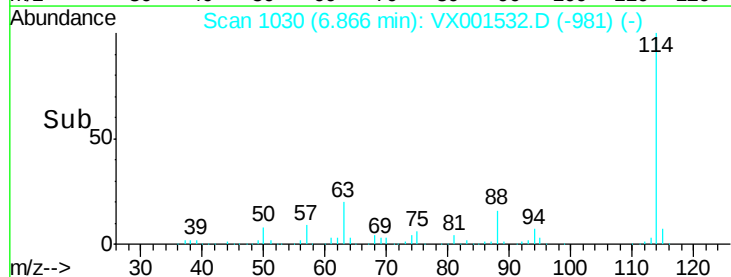
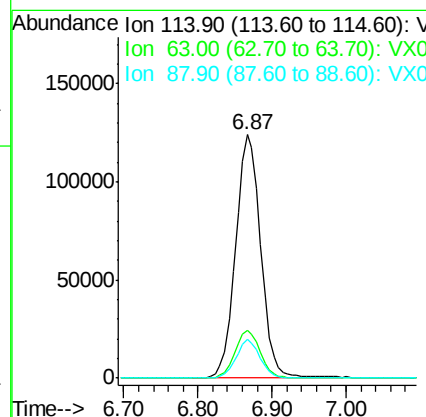
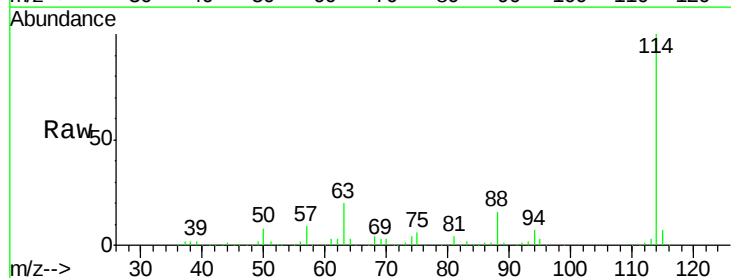
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001532.D
 Acq: 09 May 2018 00:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	294175		
63	19.9	0.0	38.6	
88	15.9	0.0	30.8	





#35

Dibromofluoromethane

Concen: 49.99 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Instrument :

MSVOA_X

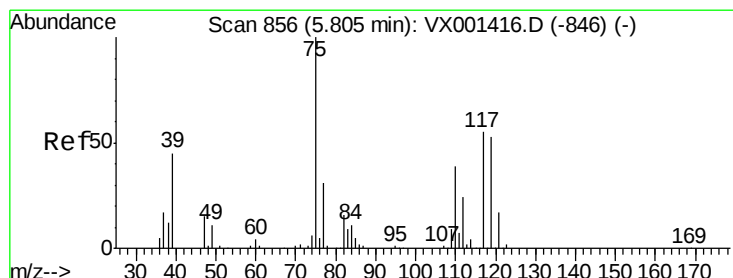
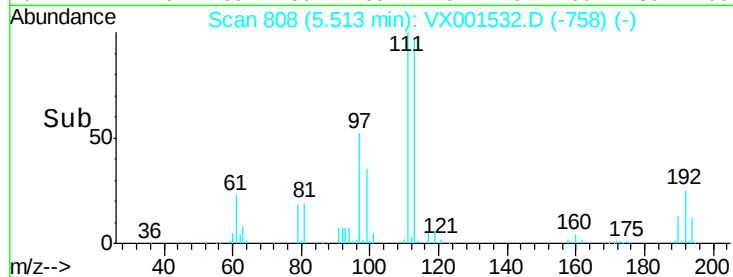
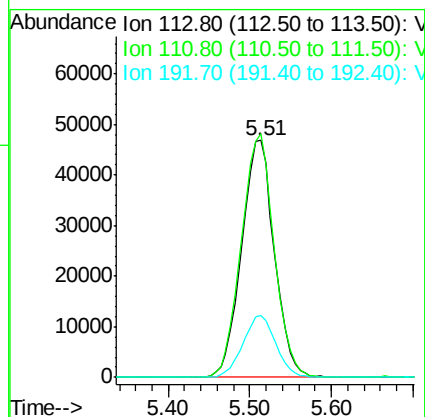
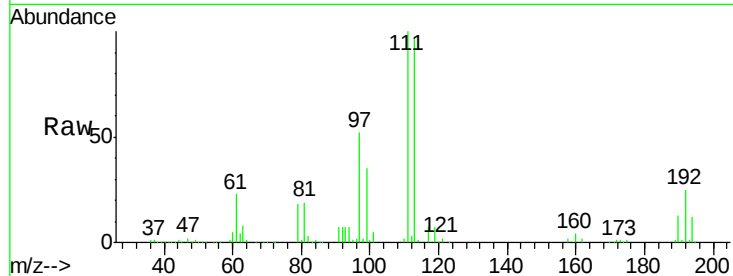
ClientSampleId :

VX0508WBSD02

Tot Ion:	113	Resp:	130796
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.2	123.2
192	26.2	21.4	32.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.16 ug/l

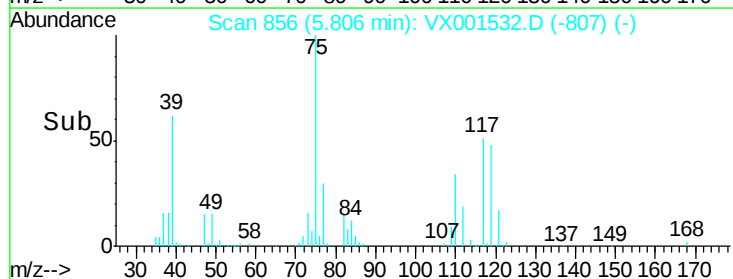
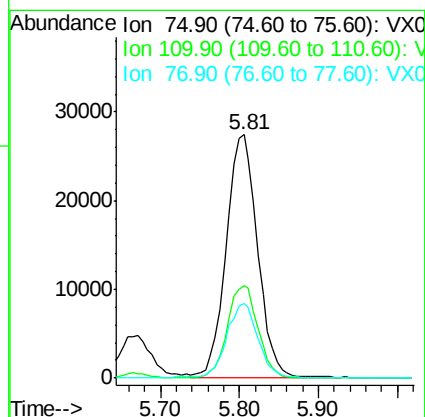
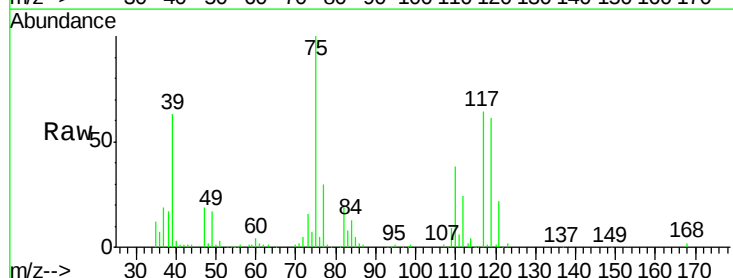
RT: 5.81 min Scan# 856

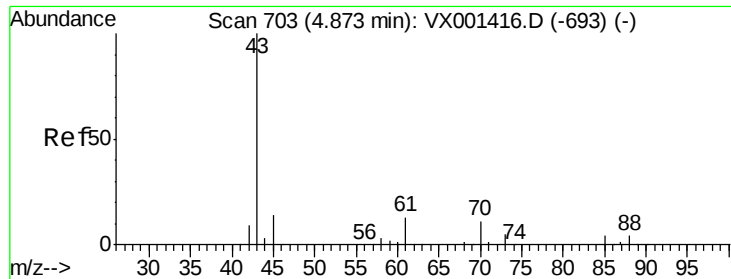
Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Tgt Ion:	75	Resp:	75430
Ion	Ratio	Lower	Upper
75	100		
110	37.4	18.9	56.7
77	30.5	24.9	37.3





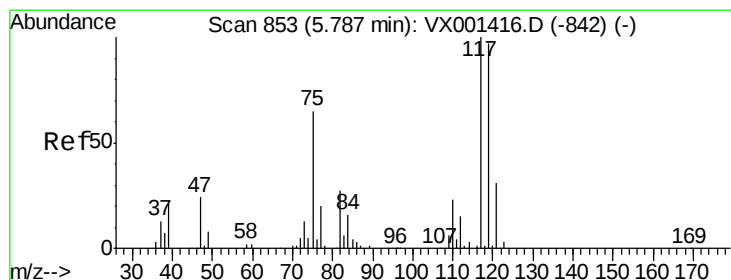
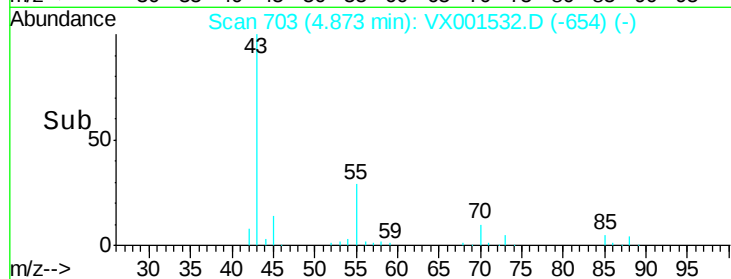
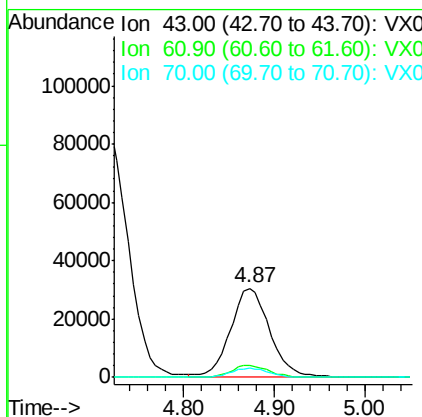
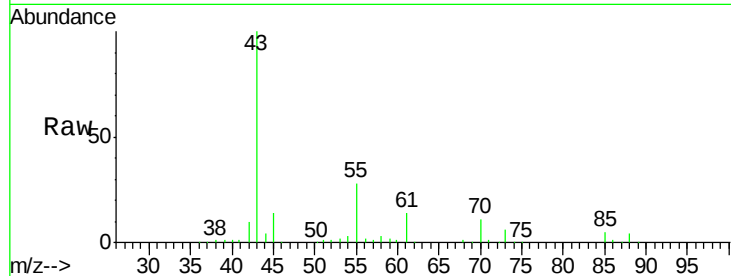
#37
Ethyl Acetate
Concen: 21.83 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.7	16.1
70	10.2	8.4	12.6

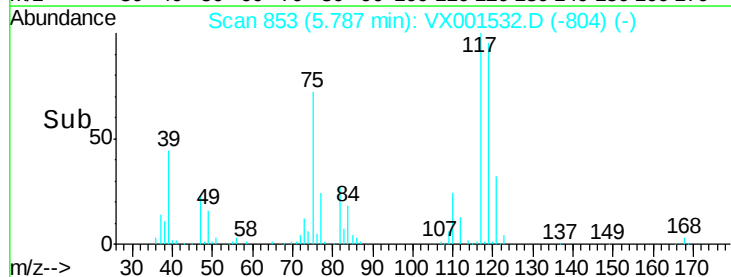
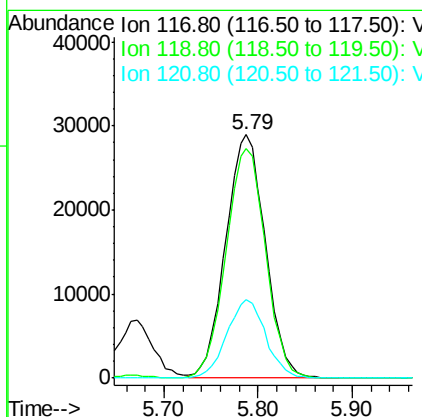
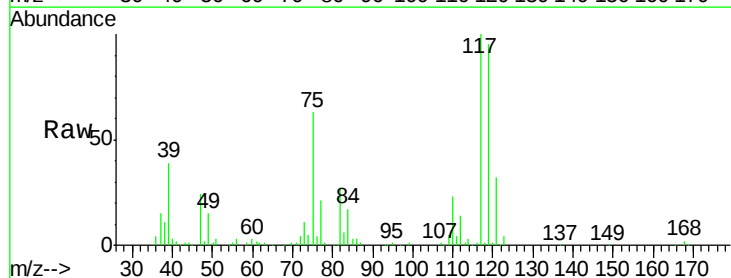
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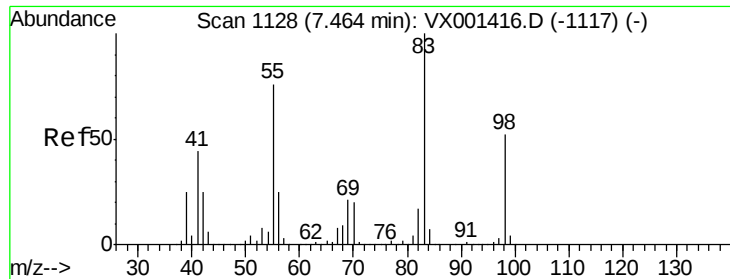
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#38
Carbon Tetrachloride
Concen: 21.22 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.0	115.6
121	32.0	25.1	37.7





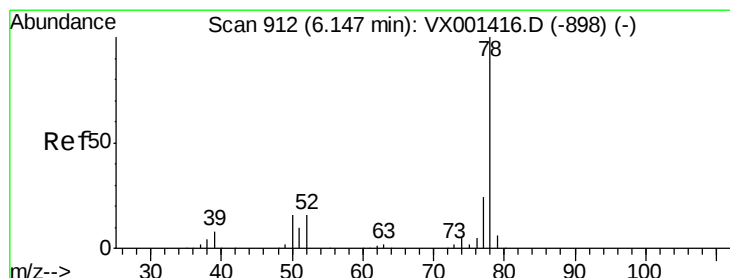
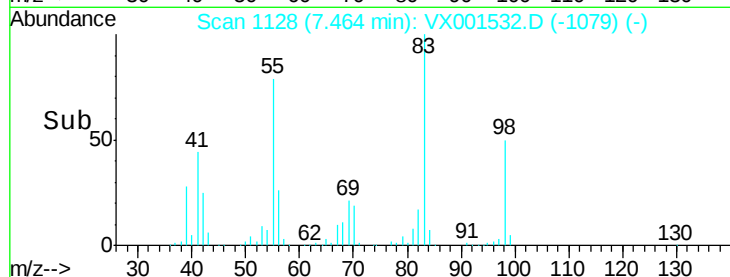
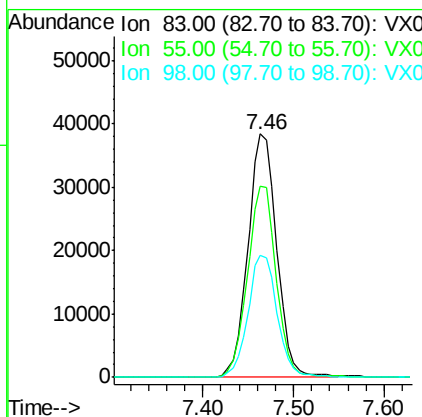
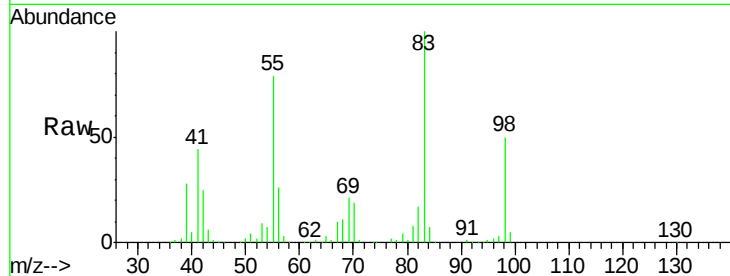
#39
Methvlcvclohexane
Concen: 19.07 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.6	60.9	91.3
98	50.4	41.9	62.9

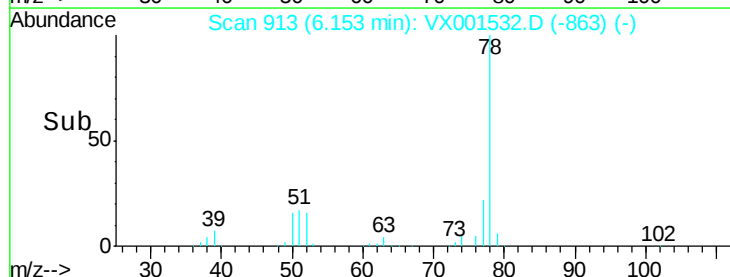
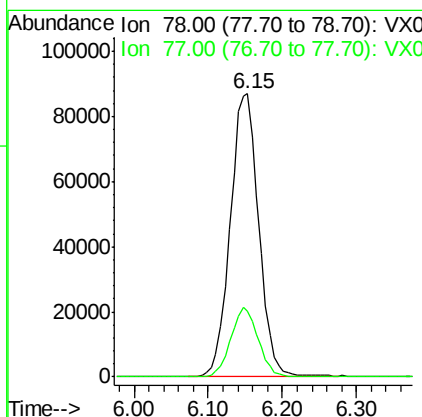
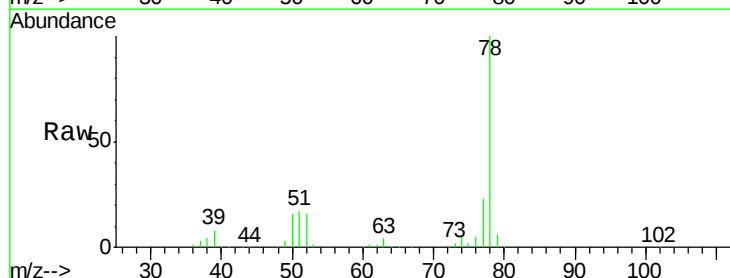
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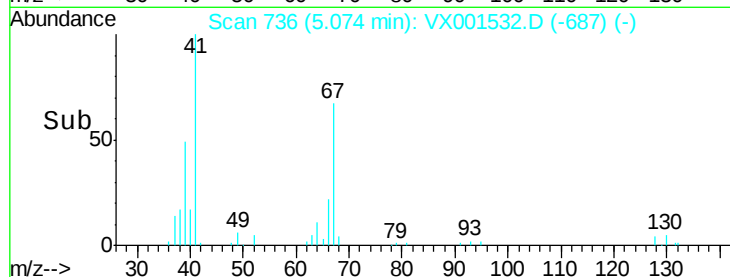
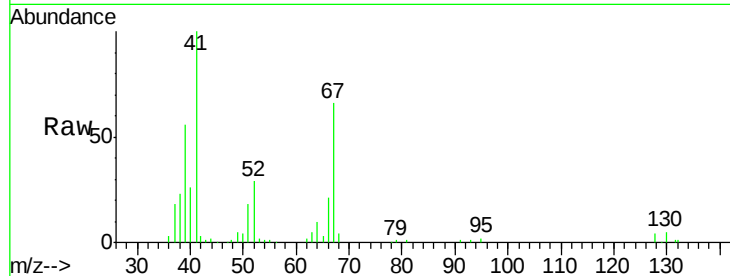
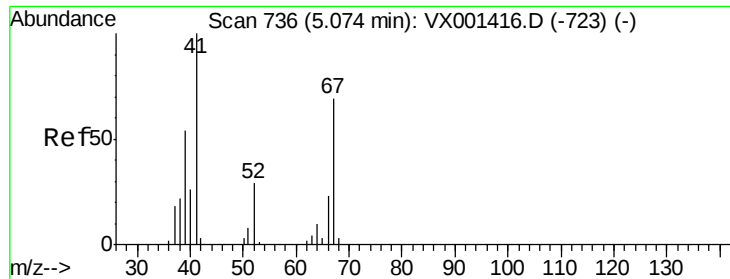
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#40
Benzene
Concen: 21.34 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.01 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.4	29.2





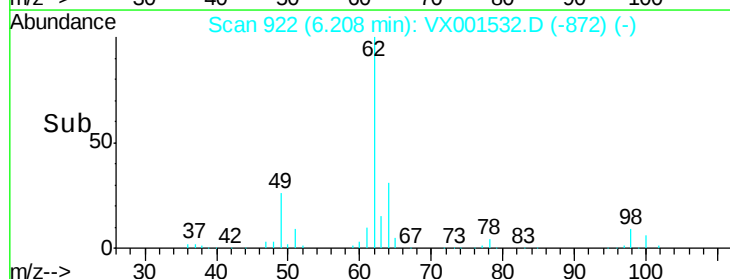
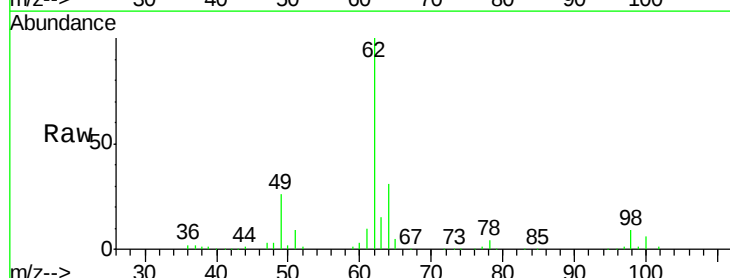
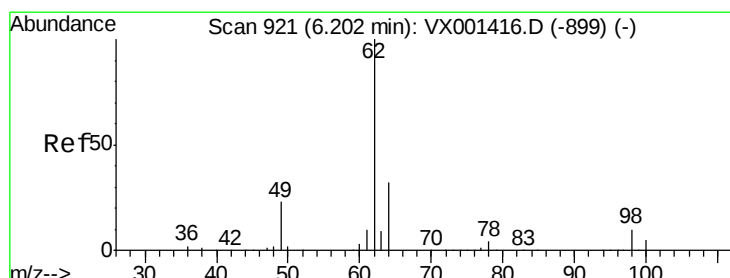
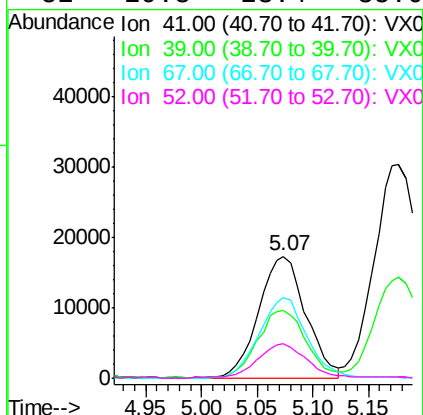
#41
Methacrylonitrile
Concen: 21.60 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		50685		
39	58.2	45.0	67.6		
67	67.2	55.0	82.6		
52	29.3	23.4	35.0		

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBSD02

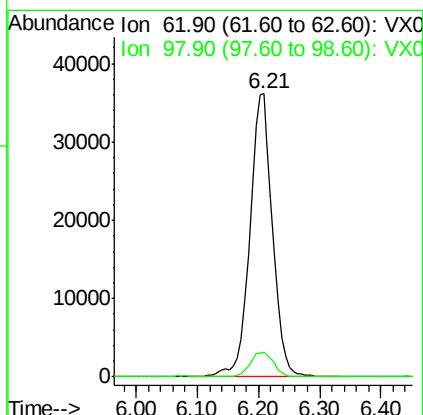
Manual Integrations
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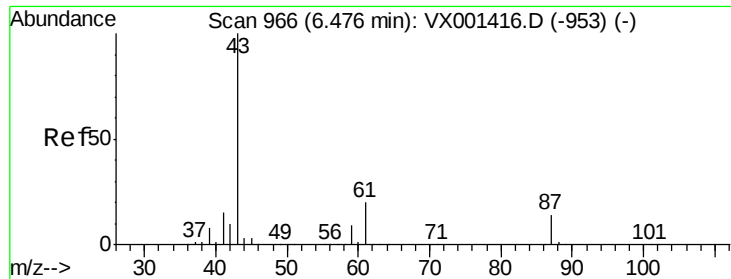
MMDadoda
5/10/2018 1:11:30 PM



#42
1,2-Dichloroethane
Concen: 22.36 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		93943		
98	9.1	0.0	19.0		





#43

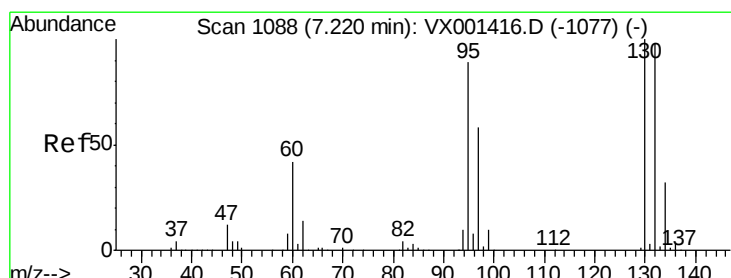
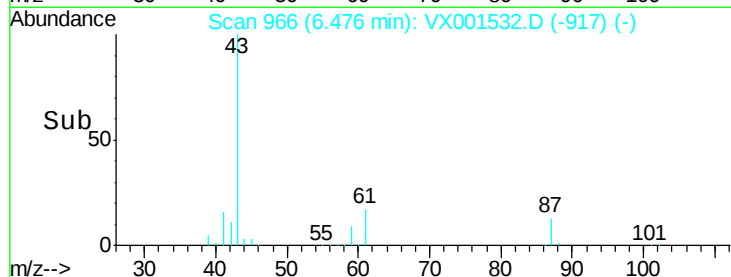
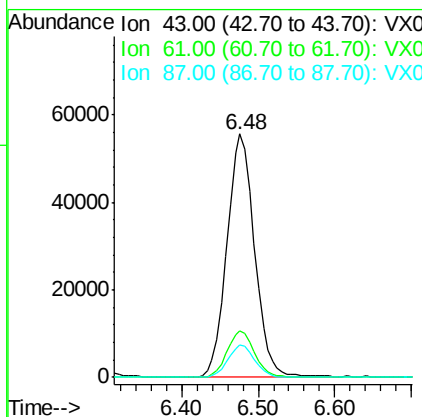
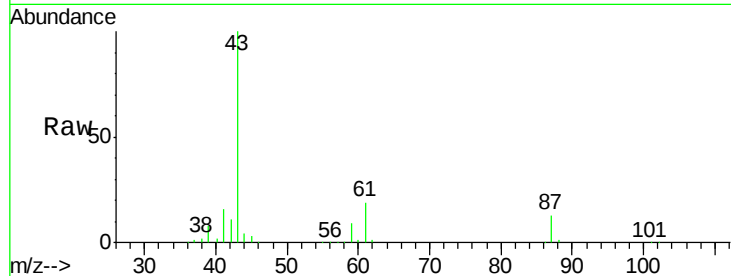
Isopropyl Acetate
 Concen: 21.91 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX001532.D
 Acq: 09 May 2018 00:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.4	23.0
87	13.2	10.8	16.2

Manual Integrations
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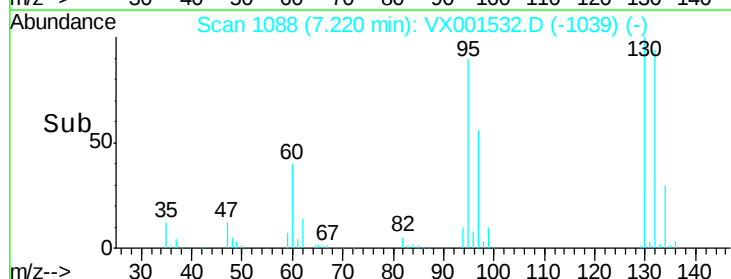
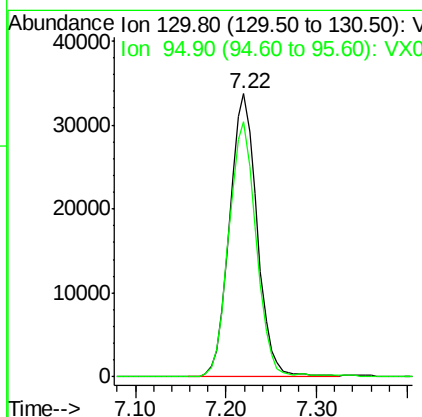
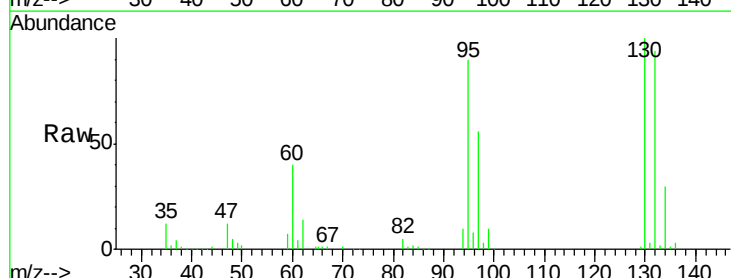
MMDadoda
 5/10/2018 1:11:30 PM

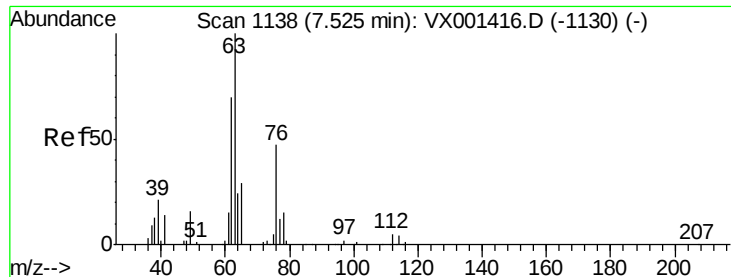


#44

Trichloroethene
 Concen: 21.32 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001532.D
 Acq: 09 May 2018 00:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	178.4





#45

1,2-Dichloropropane

Concen: 21.54 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBSD02

Tot Ion: 63 Resp: 58685

Ion Ratio Lower Upper

63 100

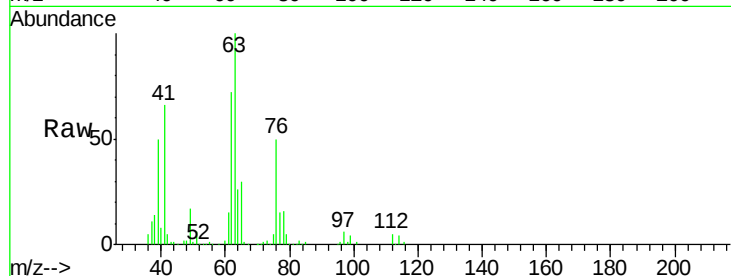
65 29.8 24.5 36.7

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

30000

25000

20000

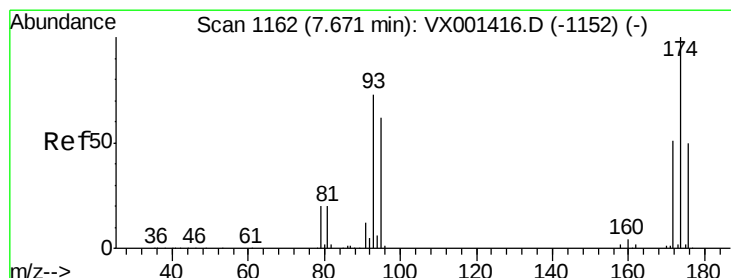
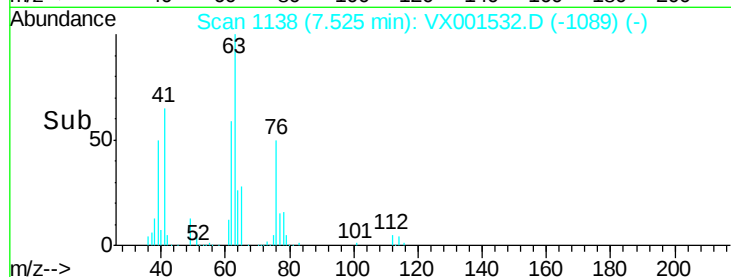
15000

10000

5000

0

Time-->



#46

Dibromomethane

Concen: 21.77 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

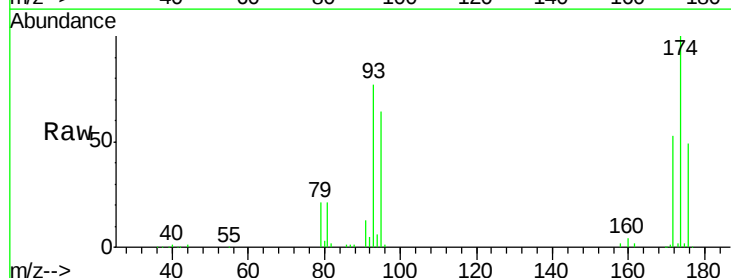
Tgt Ion: 93 Resp: 41987

Ion Ratio Lower Upper

93 100

95 81.7 67.0 100.4

174 130.4 104.5 156.7



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

7.67

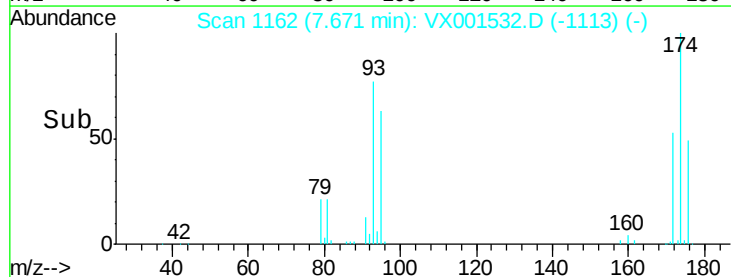
30000

20000

10000

0

Time-->





#47

Bromodichloromethane

Concen: 21.43 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Instrument :

MSVOA_X

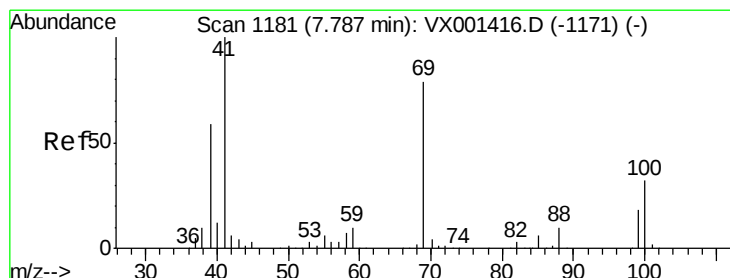
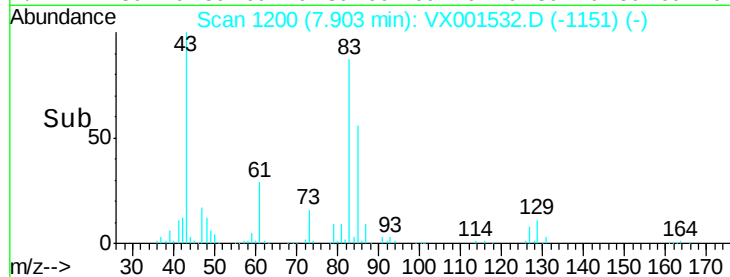
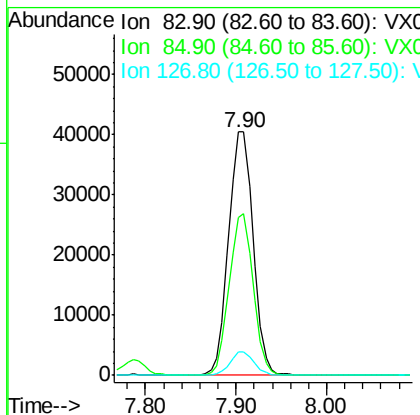
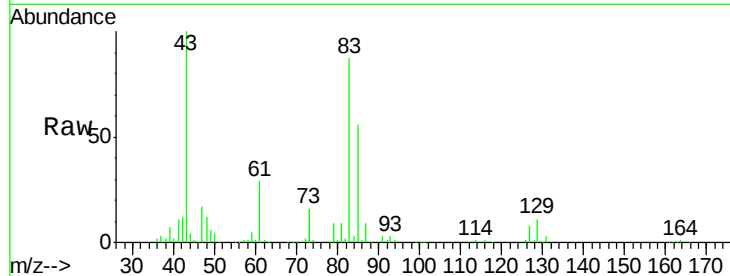
ClientSampleId :

VX0508WBSD02

Tot Ion:	83	Resp:	76488
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.0	76.6
127	9.5	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.72 ug/l

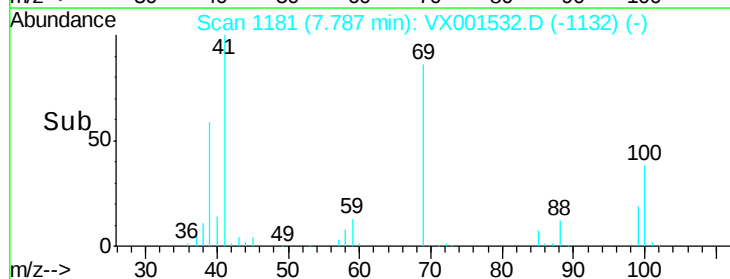
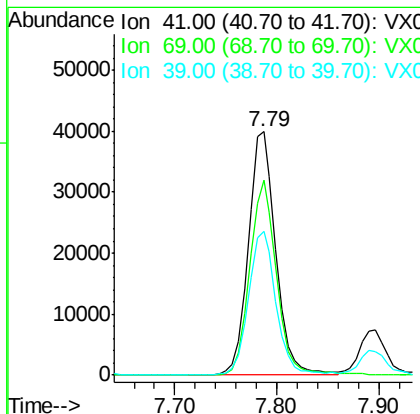
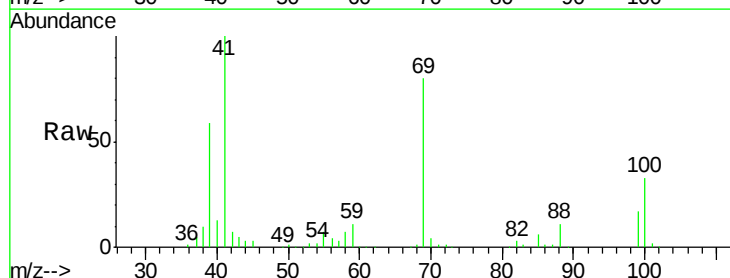
RT: 7.79 min Scan# 1181

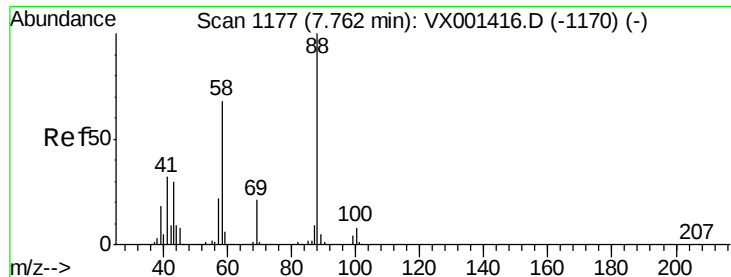
Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Tgt Ion:	41	Resp:	74469
Ion	Ratio	Lower	Upper
41	100		
69	78.6	63.4	95.2
39	59.6	47.0	70.4





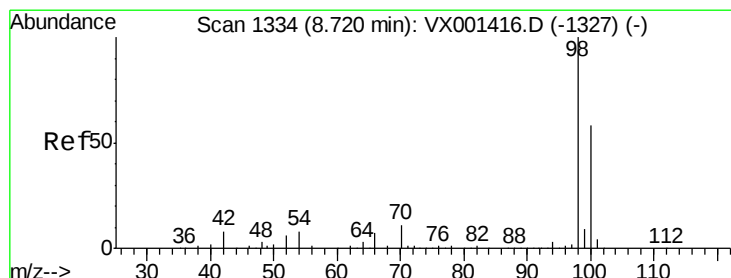
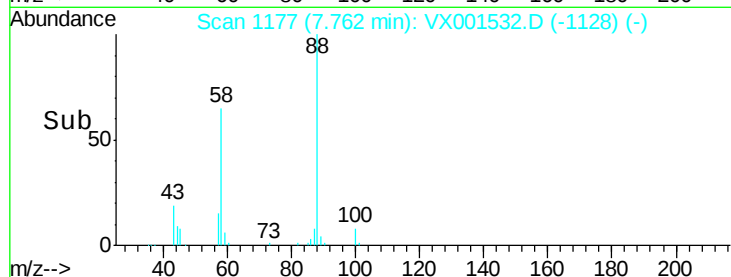
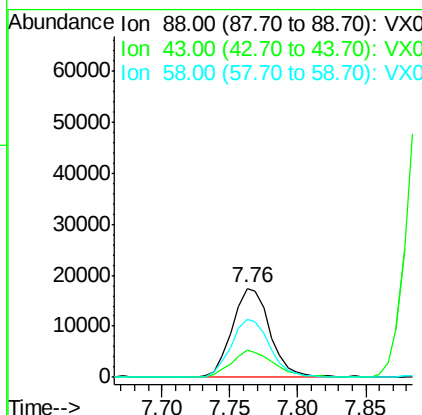
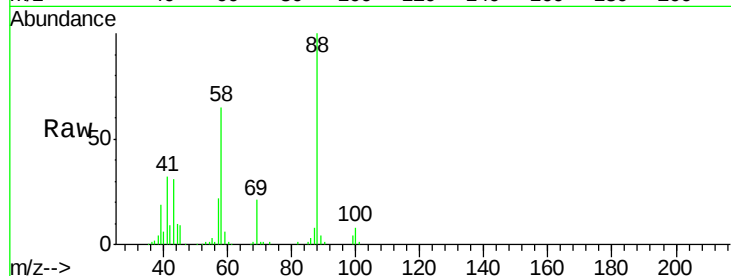
#49
1,4-Dioxane
Concen: 458.00 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.0	26.4	39.6
58	67.2	54.1	81.1

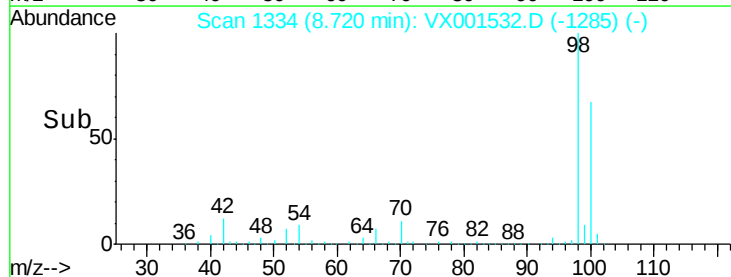
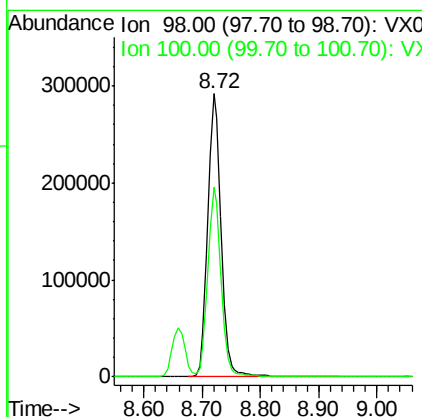
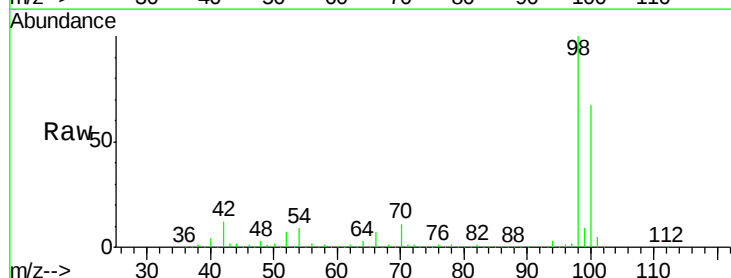
Manual Integrations
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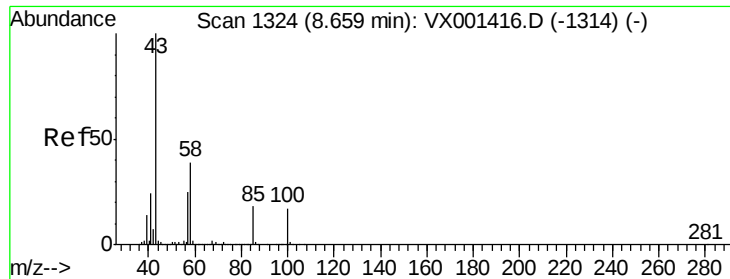
MMDadoda
5/10/2018 1:11:30 PM



#50
Toluene-d8
Concen: 49.31 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	54.0	81.0





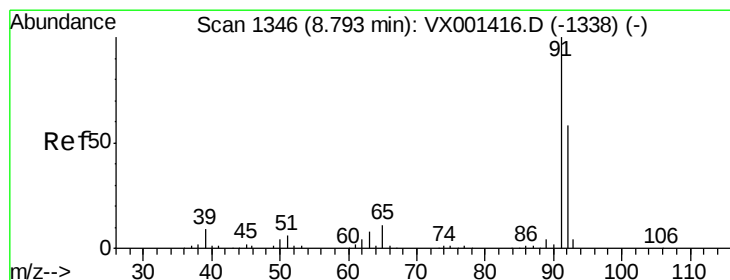
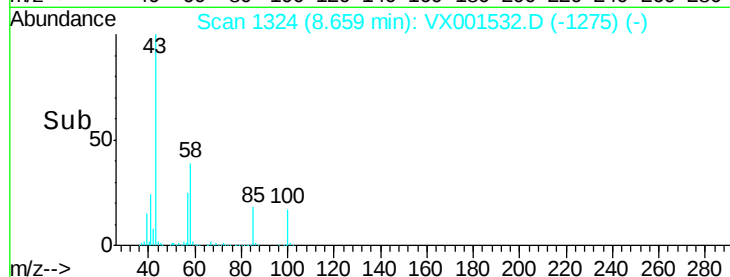
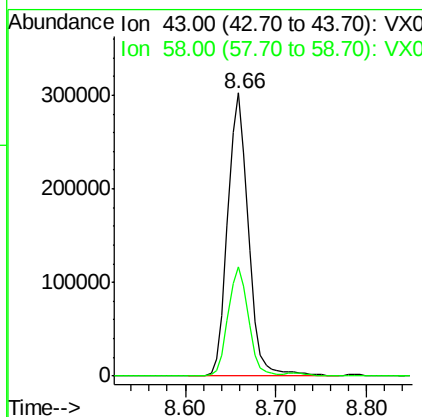
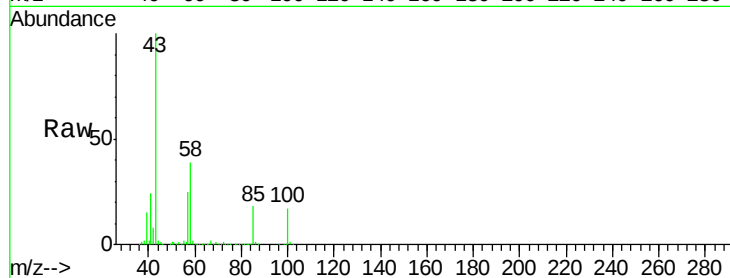
#51
4-Methyl-2-Pentanone
Concen: 115.14 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.8	46.2

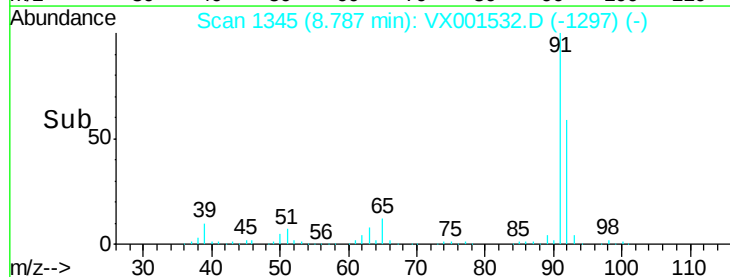
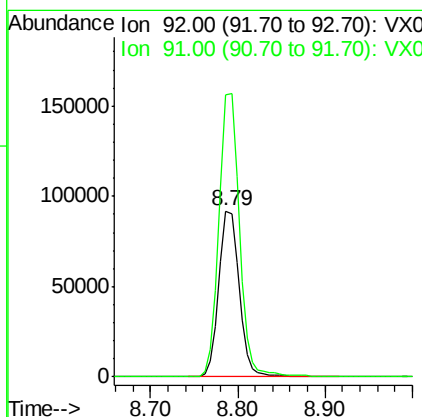
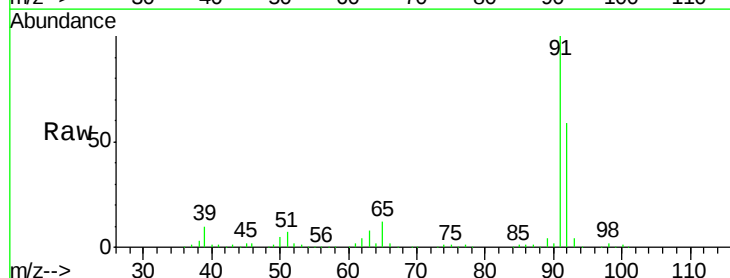
Manual Integrations
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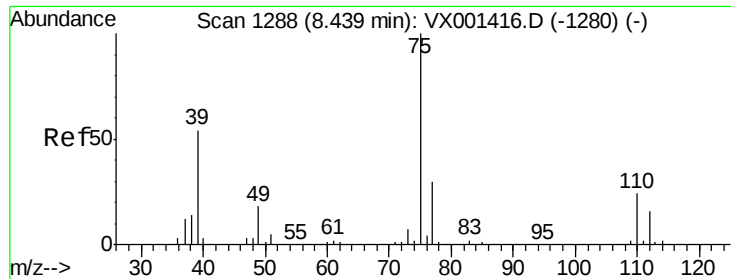
MMDadoda
5/10/2018 1:11:30 PM



#52
Toluene
Concen: 20.90 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.0	135.2	202.8





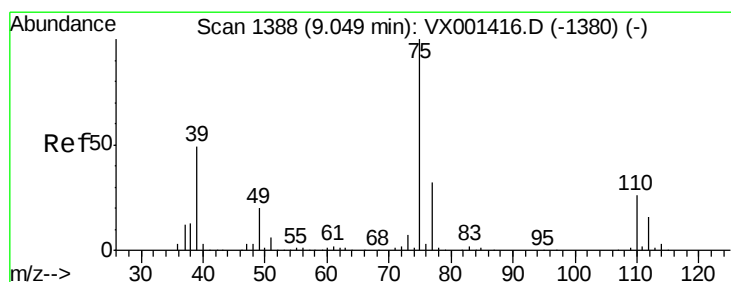
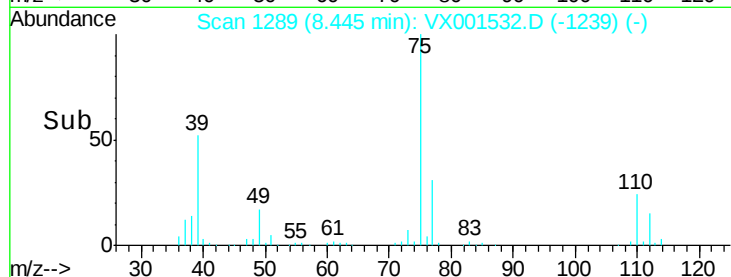
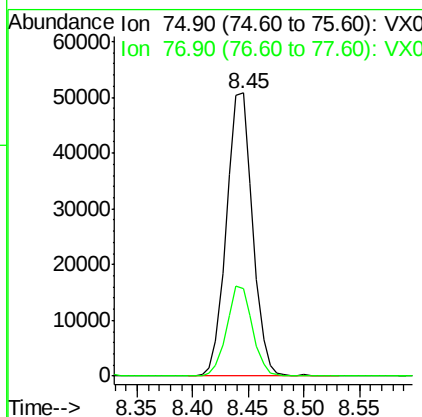
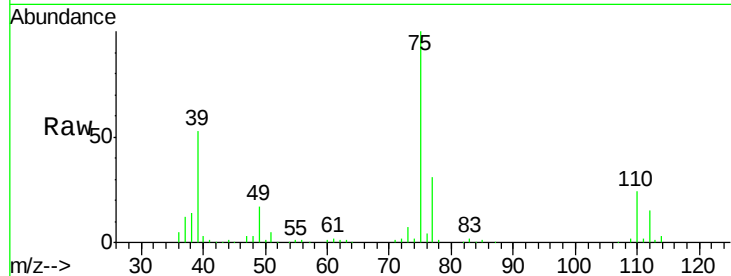
#53
t-1,3-Dichloropropene
Concen: 20.45 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBSD02

Tot Ion: 75 Resp: 82509
Ion Ratio Lower Upper
75 100
77 31.0 24.2 36.4

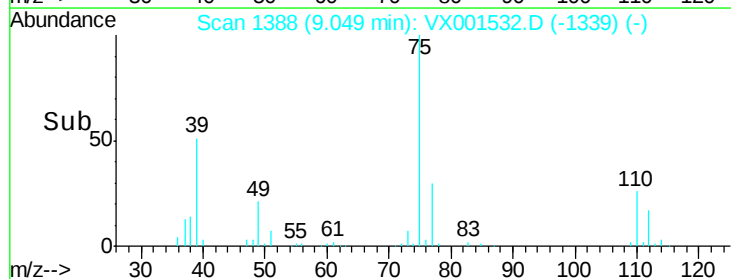
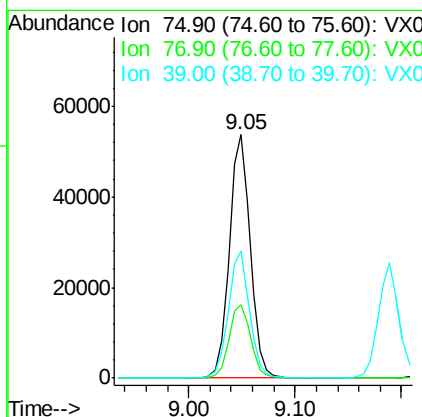
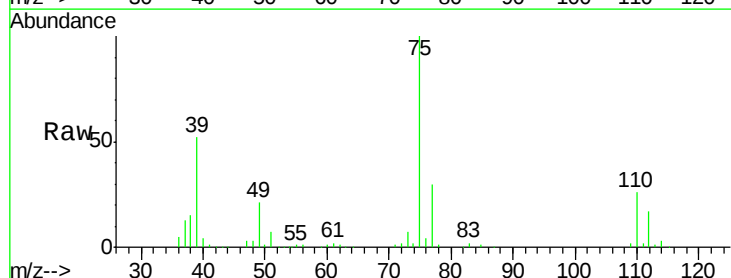
Manual Integrations
APPROVED

MMDadoda
5/10/2018 1:11:30 PM



#54
cis-1,3-Dichloropropene
Concen: 19.21 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Tgt Ion: 75 Resp: 74032
Ion Ratio Lower Upper
75 100
77 30.1 25.5 38.3
39 51.8 38.9 58.3





#55

1,1,2-Trichloroethane

Concen: 22.06 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Instrument :

MSVOA_X

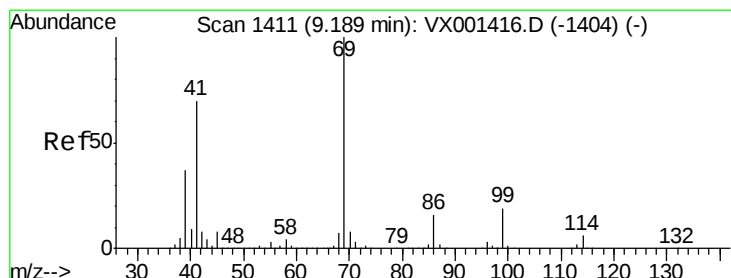
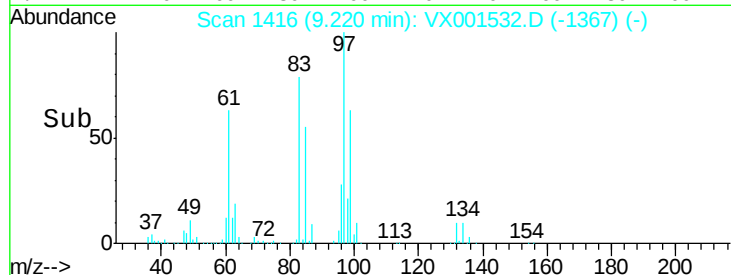
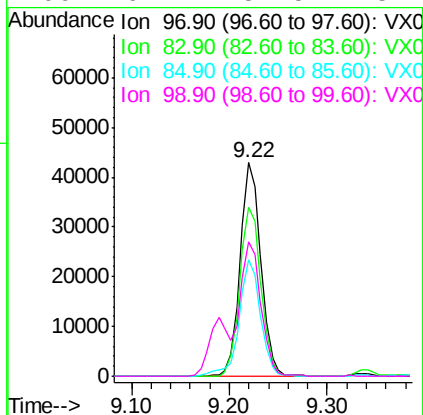
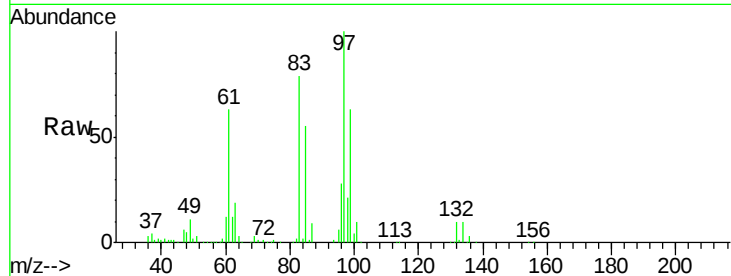
ClientSampleId :

VX0508WBSD02

Tot Ion:	97	Resp:	63508
Ion	Ratio	Lower	Upper
97	100		
83	79.2	67.4	101.0
85	54.7	43.3	64.9
99	62.7	52.5	78.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.97 ug/l

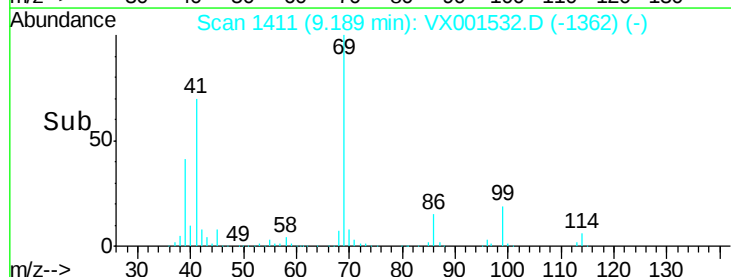
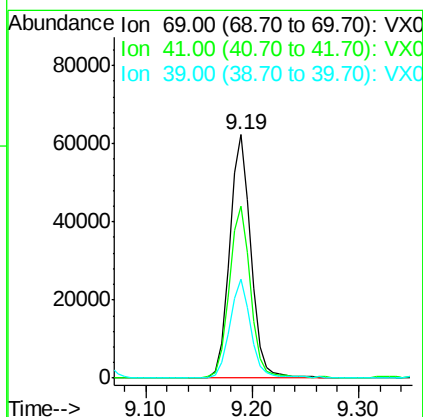
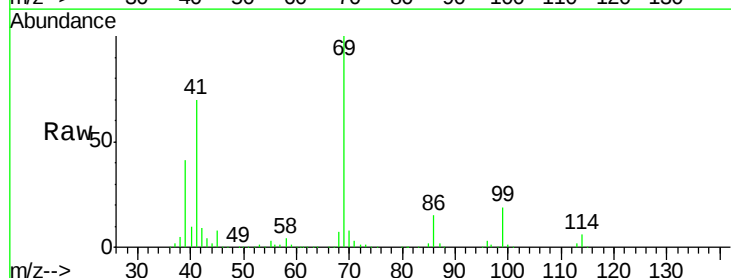
RT: 9.19 min Scan# 1411

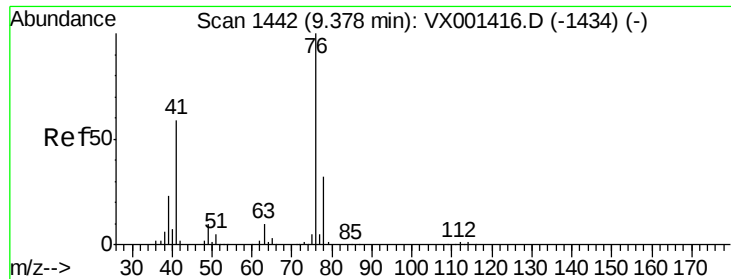
Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Tgt Ion:	69	Resp:	87044
Ion	Ratio	Lower	Upper
69	100		
41	70.4	55.1	82.7
39	40.0	29.9	44.9





#57

1,3-Dichloropropane

Concen: 22.04 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBSD02

Tot Ion: 76 Resp: 104908

Ion Ratio Lower Upper

76 100

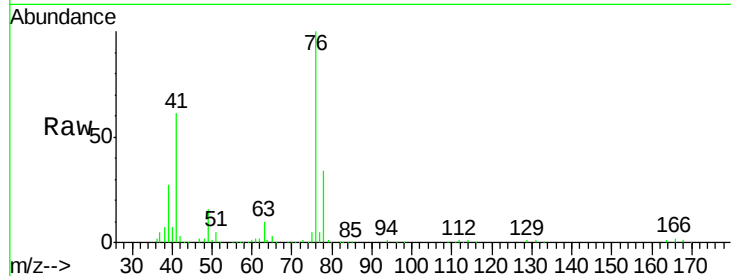
78 32.3 25.8 38.6

Manual Integrations

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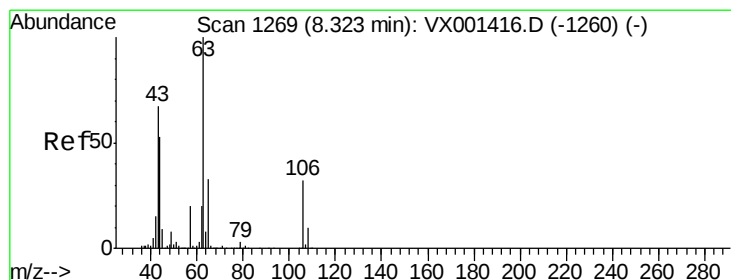
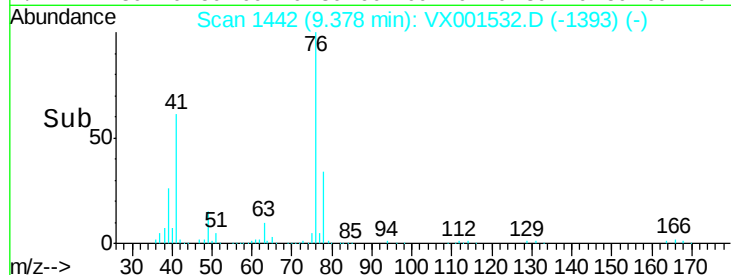
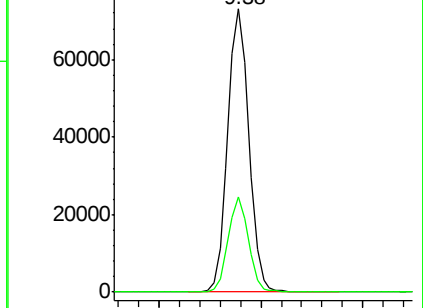
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 115.75 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX001532.D

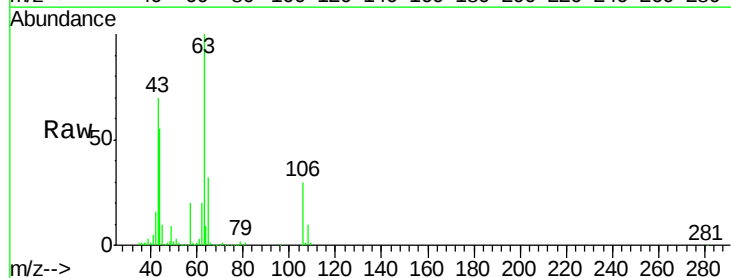
Acq: 09 May 2018 00:15

Tgt Ion: 63 Resp: 235633

Ion Ratio Lower Upper

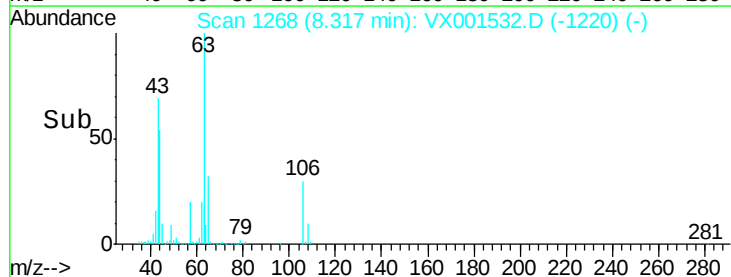
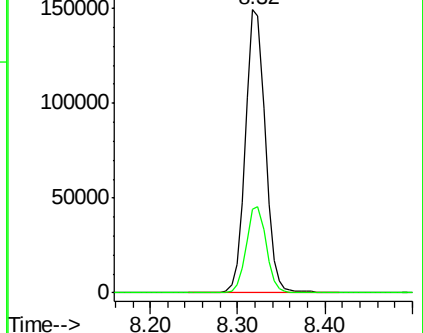
63 100

106 30.8 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





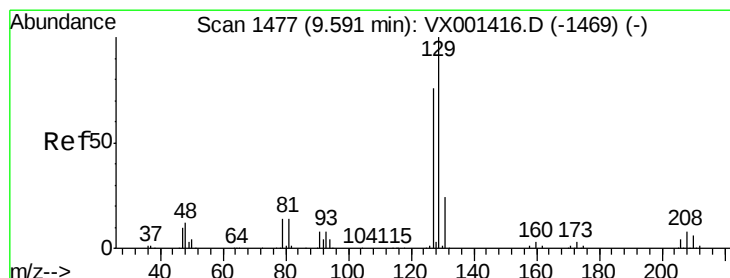
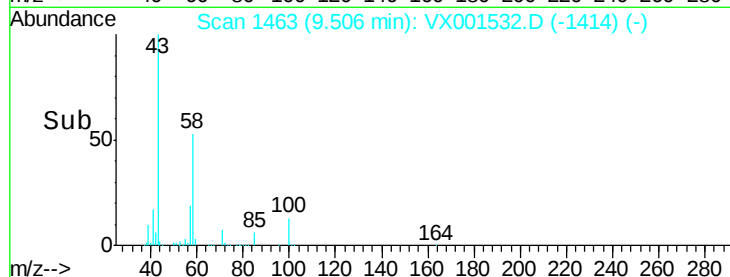
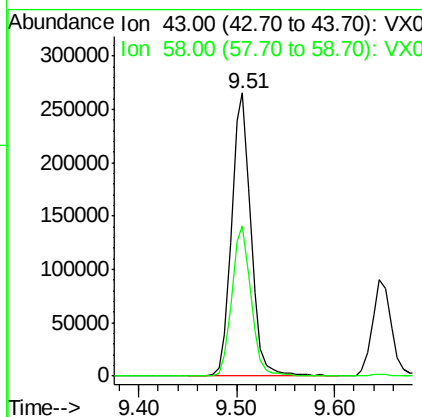
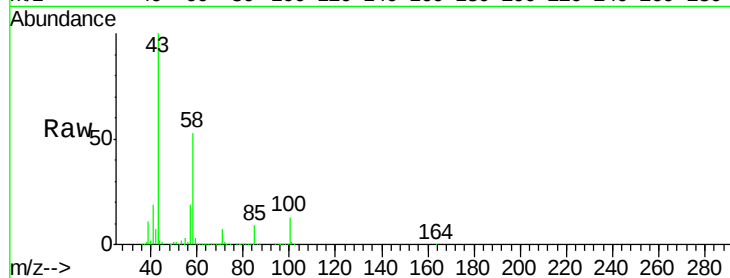
#59
2-Hexanone
Concen: 113.35 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.1	27.1	81.2

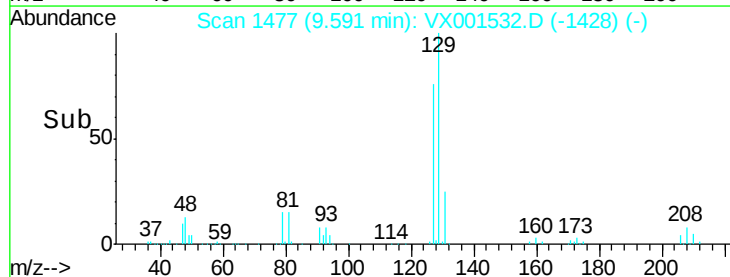
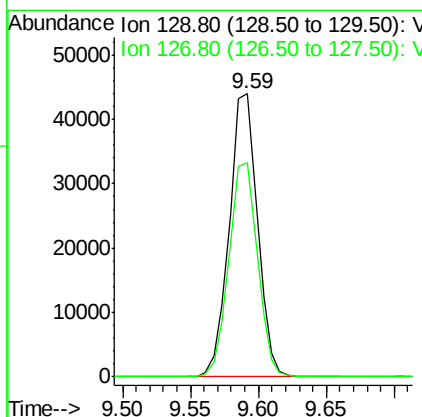
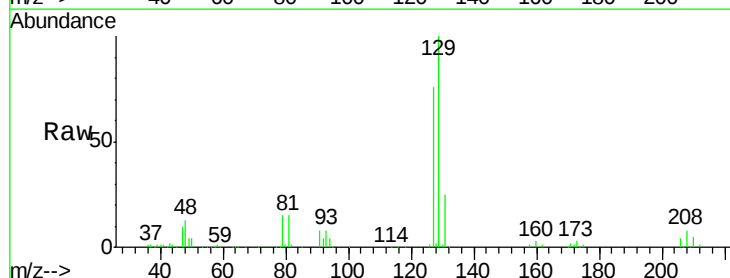
Manual Integrations
APPROVED

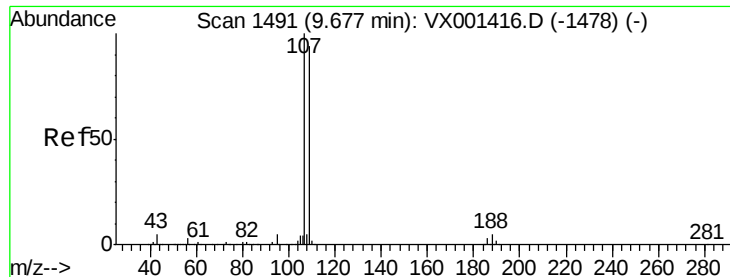
MMDadoda
5/10/2018 1:11:30 PM



#60
Dibromochloromethane
Concen: 21.61 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.1	114.5





#61

1,2-Dibromoethane

Concen: 21.82 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Instrument :

MSVOA_X

ClientSampleID :

VX0508WBSD02

Tot Ion:107 Resp: 65955

Ion Ratio Lower Upper

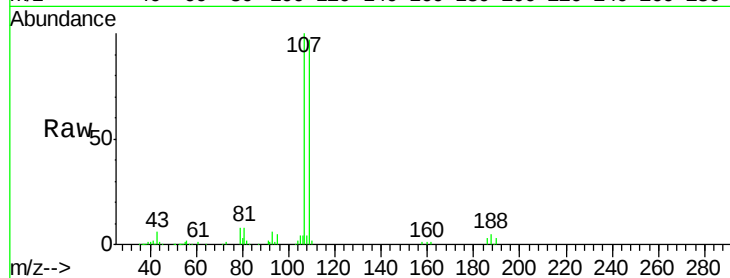
107 100

109 95.3 75.5 113.3

Manual Integrations
APPROVED

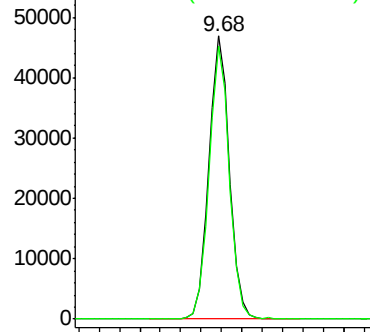
MMDadoda

5/10/2018 1:11:30 PM

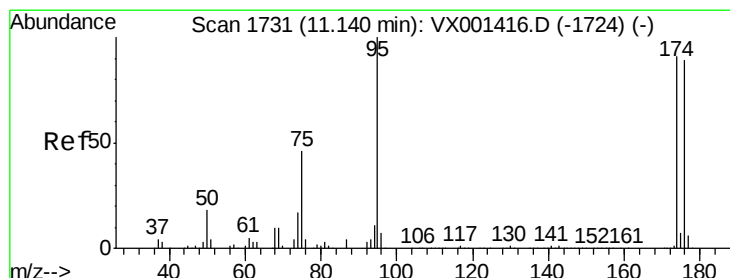
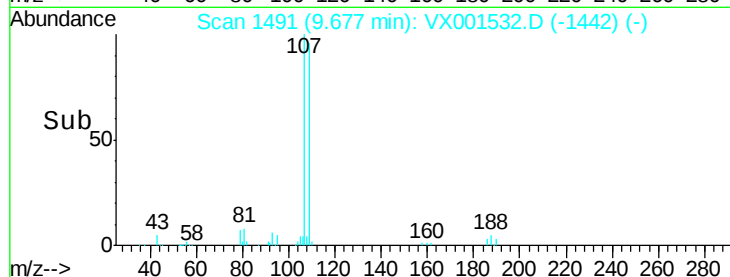


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 47.57 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

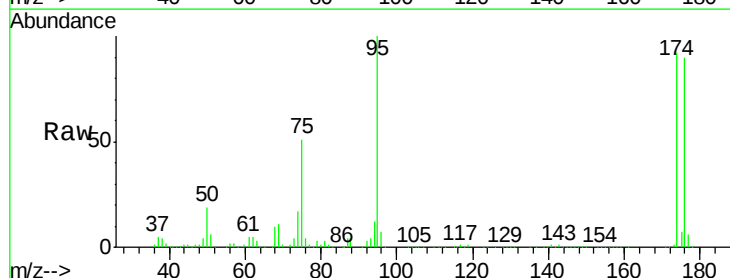
Tgt Ion: 95 Resp: 174429

Ion Ratio Lower Upper

95 100

174 100.8 0.0 202.0

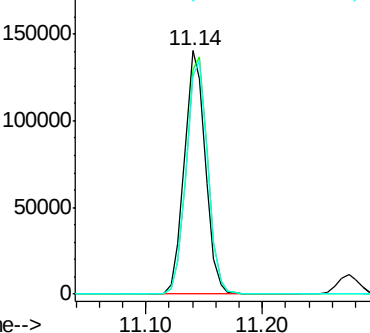
176 98.8 0.0 197.4



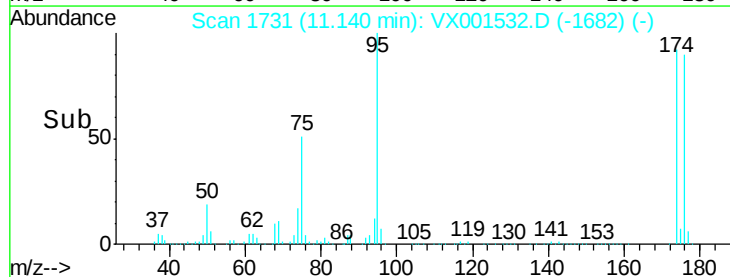
Abundance Ion 94.90 (94.60 to 95.60): VX0

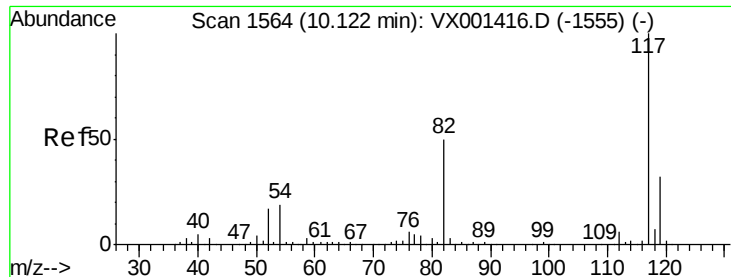
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





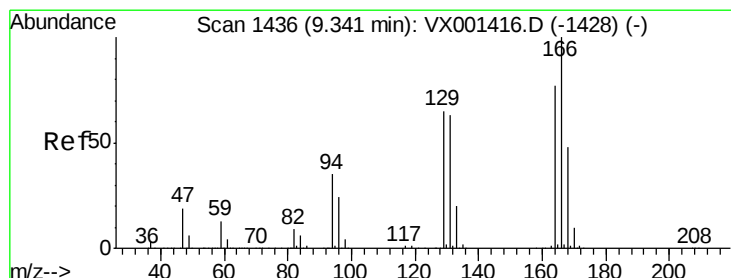
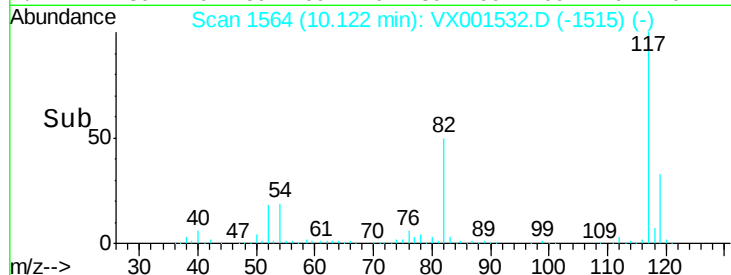
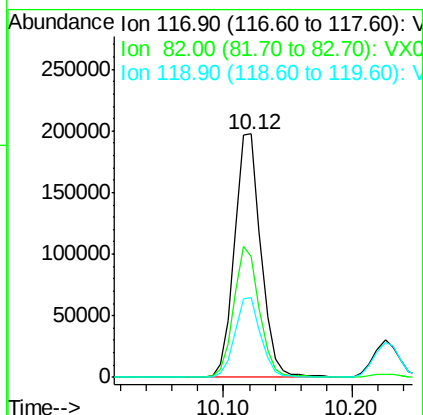
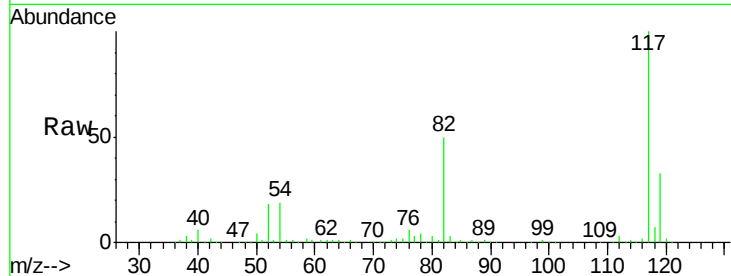
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Instrument :
MSVOA_X
ClientSampleID :
VX0508WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.7	40.0	60.0
119	32.6	25.8	38.8

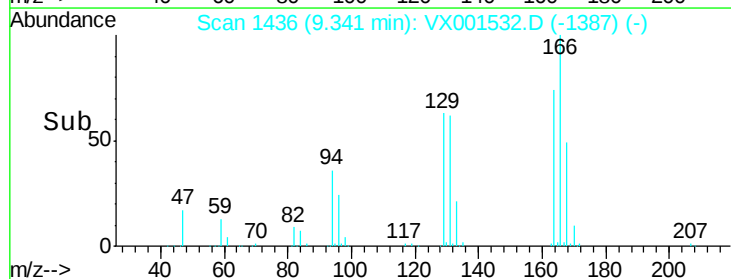
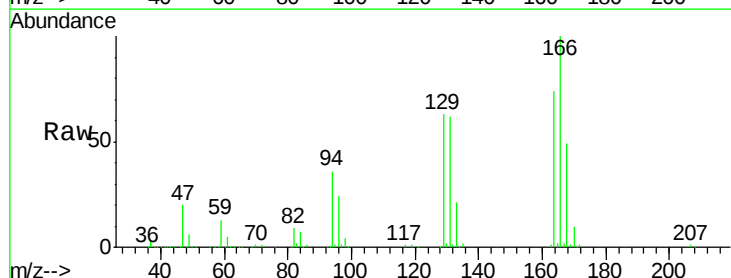
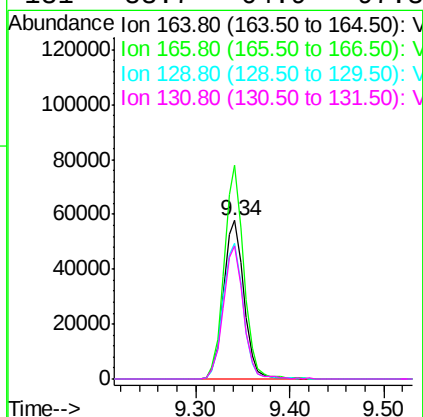
Manual Integrations
APPROVED

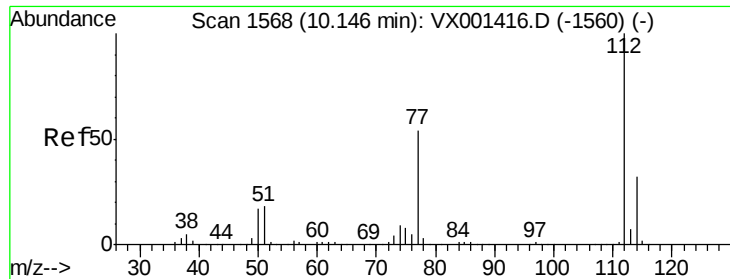
MMDadoda
5/10/2018 1:11:30 PM



#64
Tetrachloroethene
Concen: 21.95 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.8	103.5	155.3
129	85.5	66.7	100.1
131	83.7	64.9	97.3





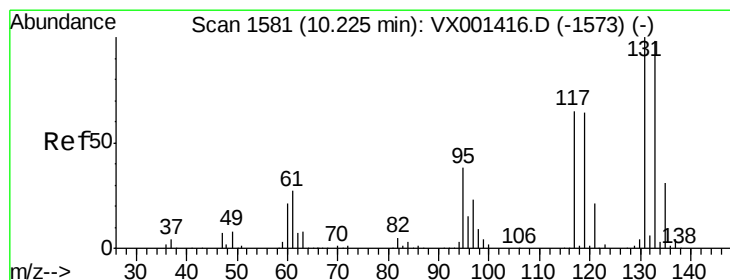
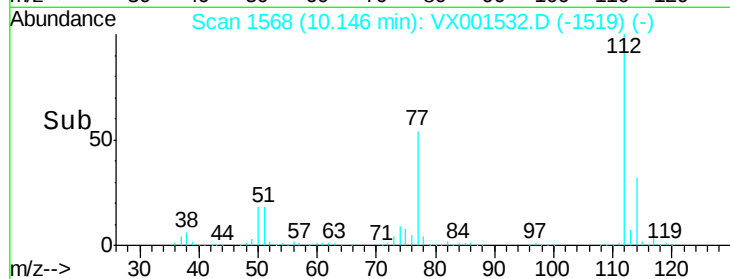
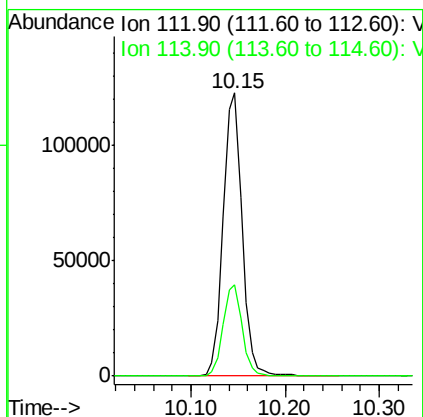
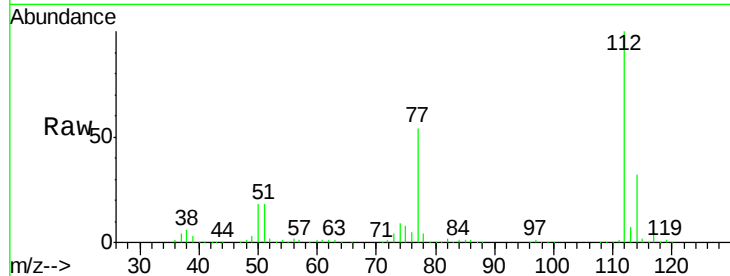
#65
Chlorobenzene
Concen: 20.65 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBSD02

Tot Ion:112 Resp: 171604
Ion Ratio Lower Upper
112 100
114 32.3 26.0 39.0

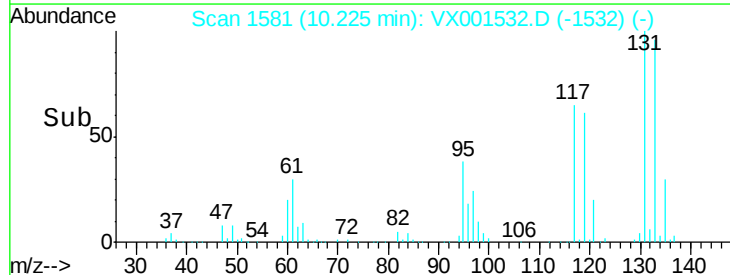
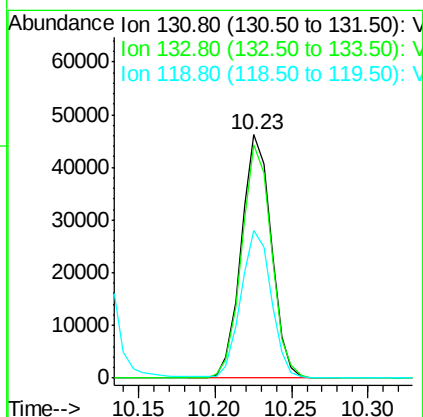
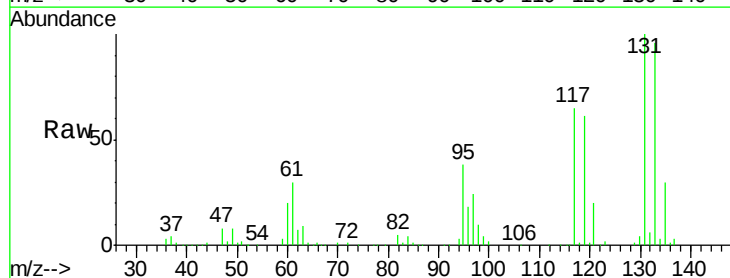
Manual Integrations
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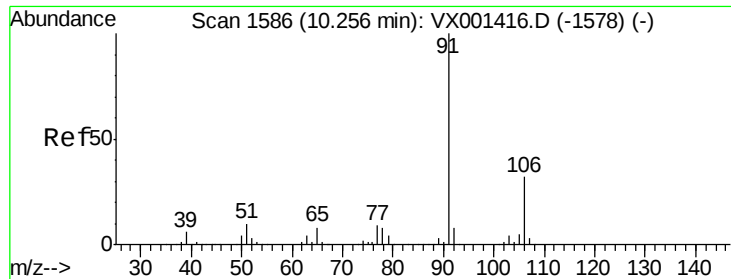
MMDadoda
5/10/2018 1:11:30 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.18 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Tgt Ion:131 Resp: 62983
Ion Ratio Lower Upper
131 100
133 95.1 47.9 143.8
119 61.5 31.1 93.3





#67

Ethyl Benzene

Concen: 20.42 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBSD02

Tot Ion: 91 Resp: 278231

Ion Ratio Lower Upper

91 100

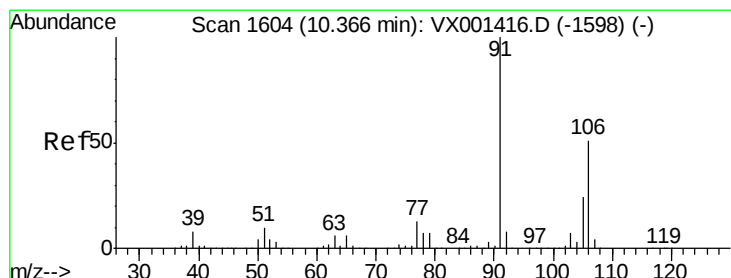
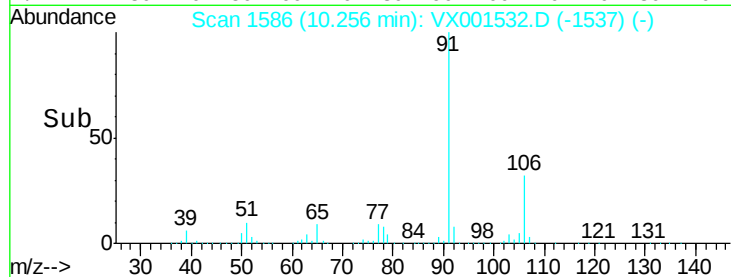
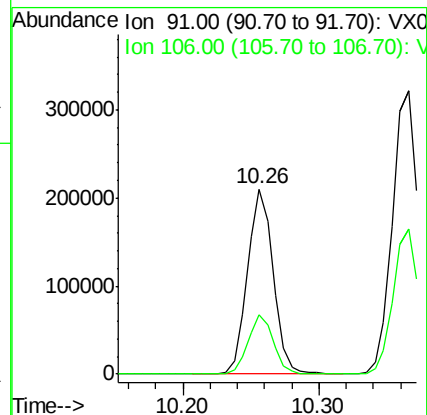
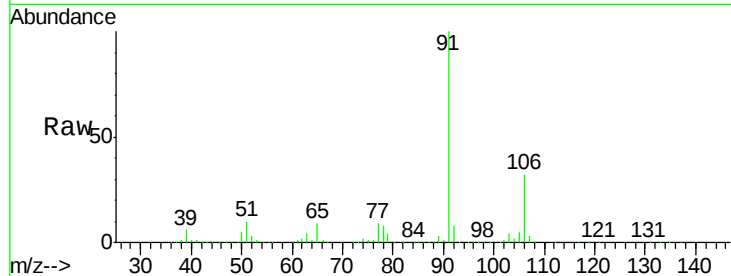
106 32.2 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

5/10/2018 1:11:30 PM



#68

m/p-Xylenes

Concen: 41.03 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001532.D

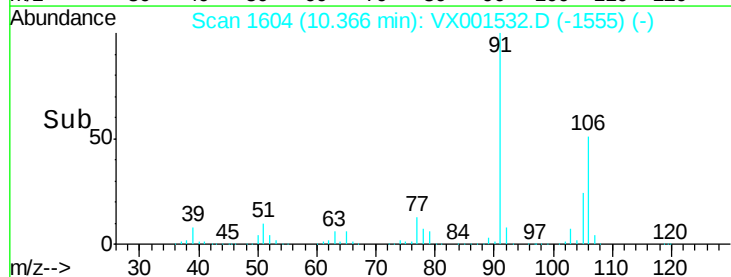
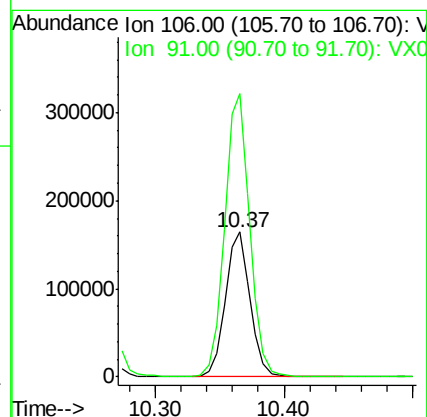
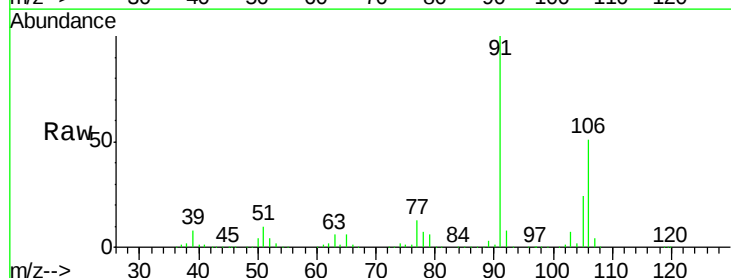
Acq: 09 May 2018 00:15

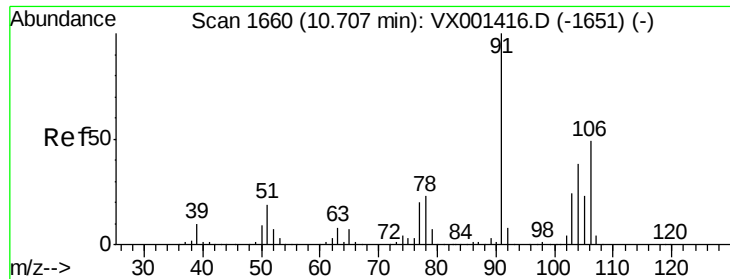
Tgt Ion: 106 Resp: 220874

Ion Ratio Lower Upper

106 100

91 199.7 157.5 236.3





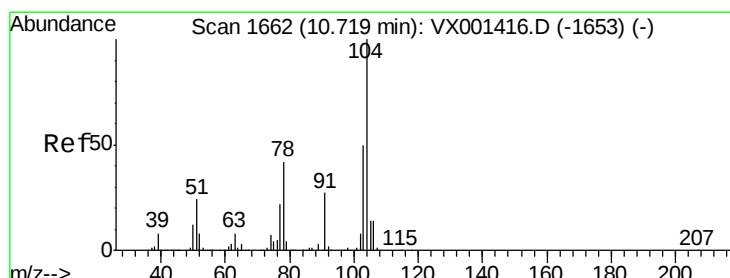
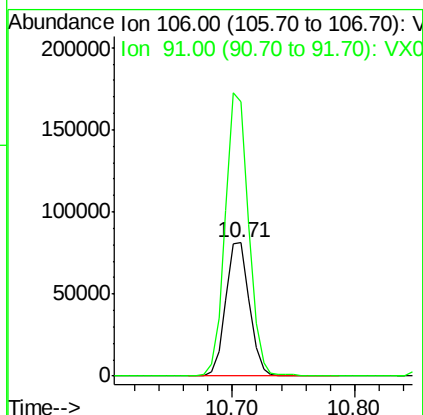
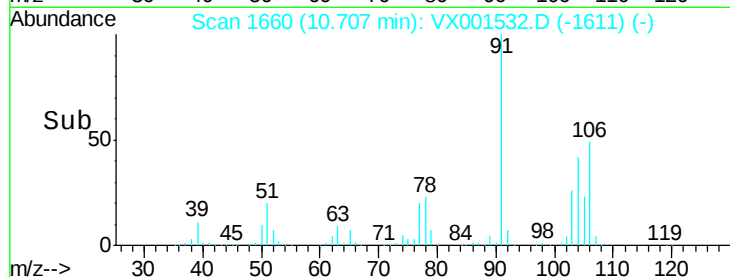
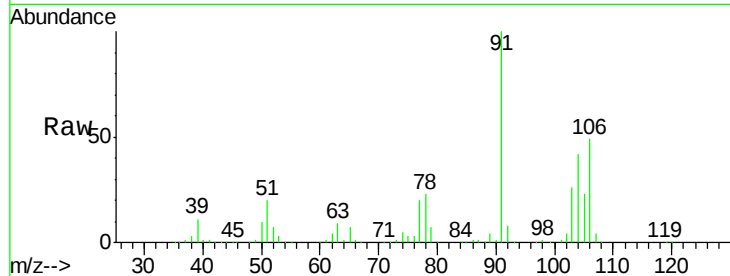
#69
o-Xylene
Concen: 20.86 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		109127		
91	208.8	103.1	309.1		

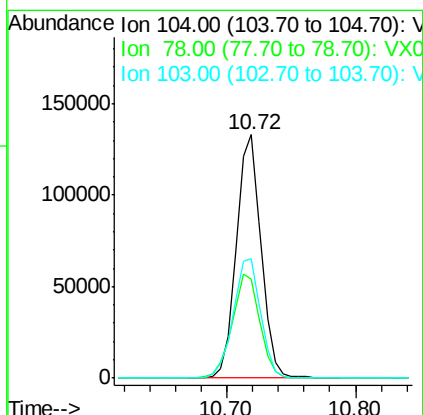
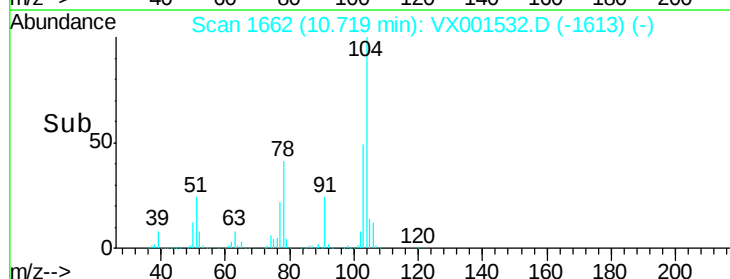
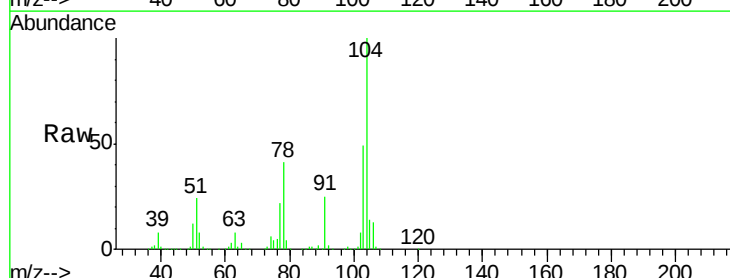
Manual Integrations
APPROVED

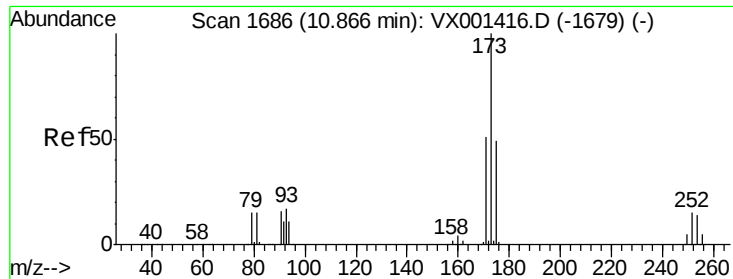
MMDadoda
5/10/2018 1:11:30 PM



#70
Styrene
Concen: 20.92 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		177758		
78	48.4	38.6	58.0		
103	55.0	44.0	66.0		





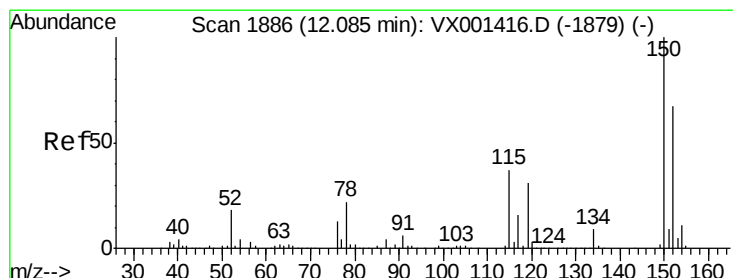
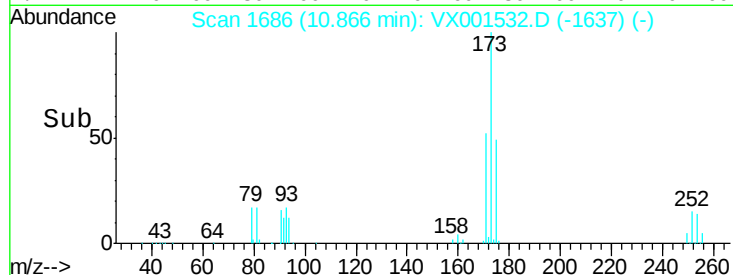
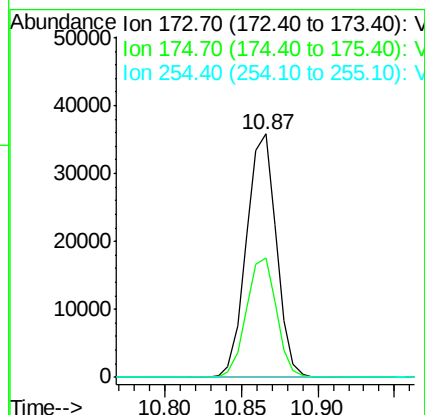
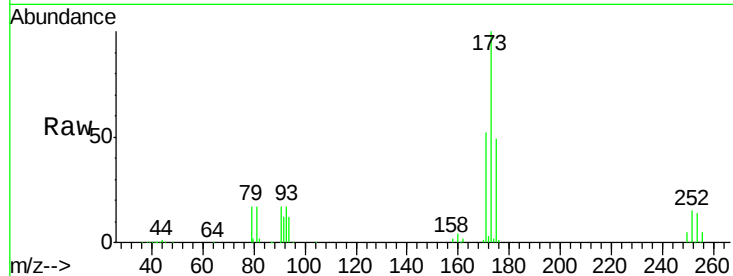
#71
Bromoform
Concen: 19.39 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBSD02

Tot Ion:173 Resp: 48727
Ion Ratio Lower Upper
173 100
175 49.3 24.5 73.5
254 0.2 0.2 0.2

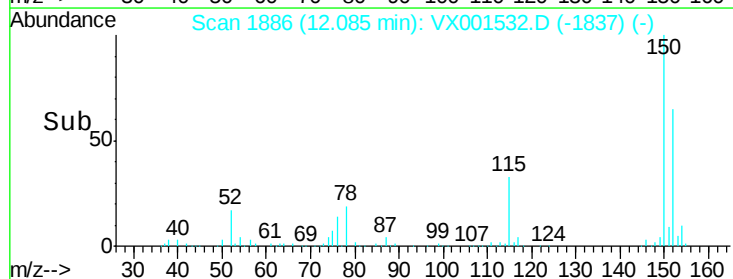
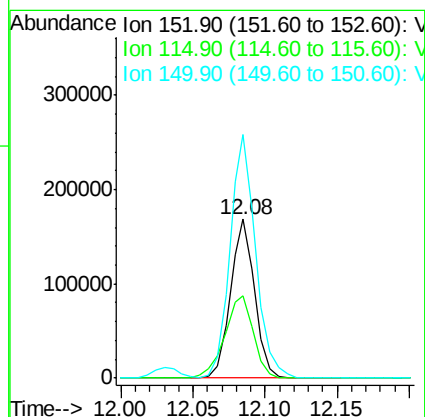
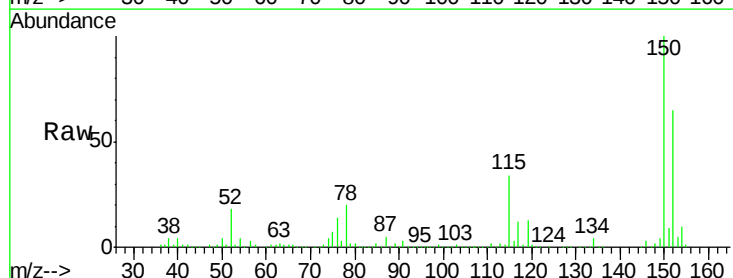
Manual Integrations
APPROVED

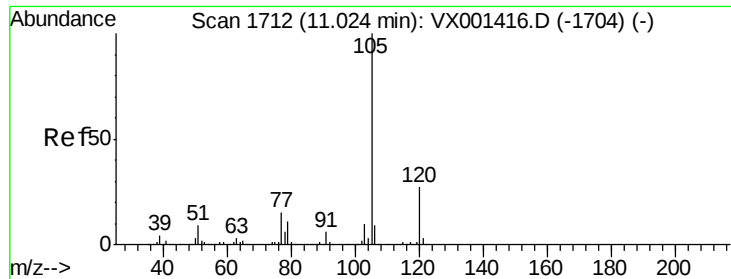
MMDadoda
5/10/2018 1:11:30 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Tgt Ion:152 Resp: 197286
Ion Ratio Lower Upper
152 100
115 61.9 37.7 113.1
150 163.5 0.0 349.4





#73

Isopropylbenzene

Concen: 21.23 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBSD02

Tot Ion:105 Resp: 289963

Ion Ratio Lower Upper

105 100

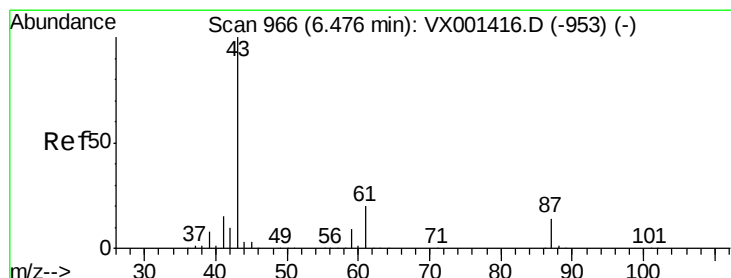
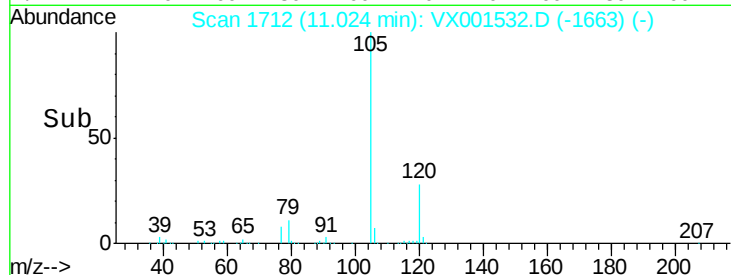
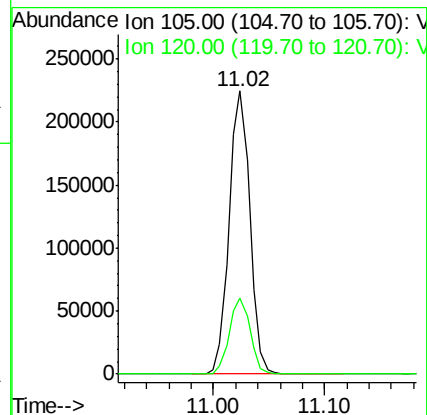
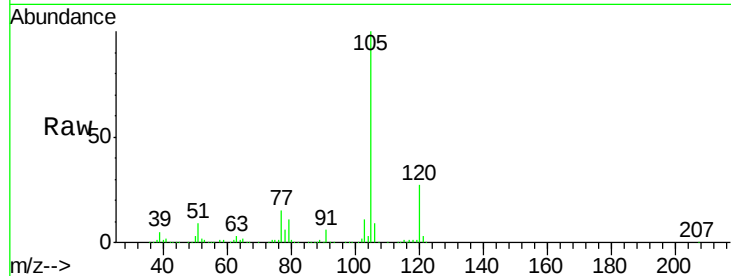
120 27.1 13.6 40.8

Manual Integrations

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MMDadoda

5/10/2018 1:11:30 PM



#74

N-ethyl acetate

Concen: 22.24 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Tgt Ion: 43 Resp: 137948

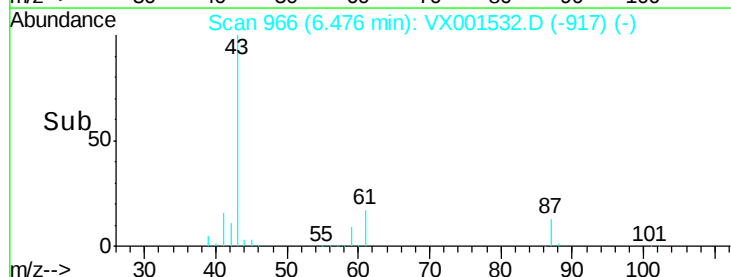
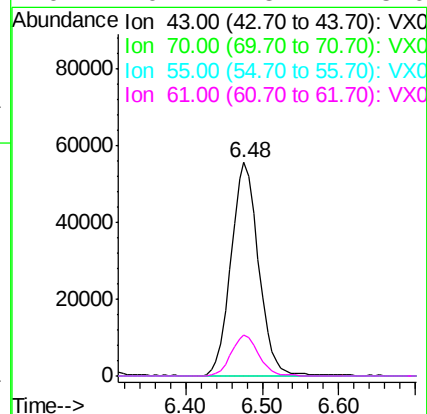
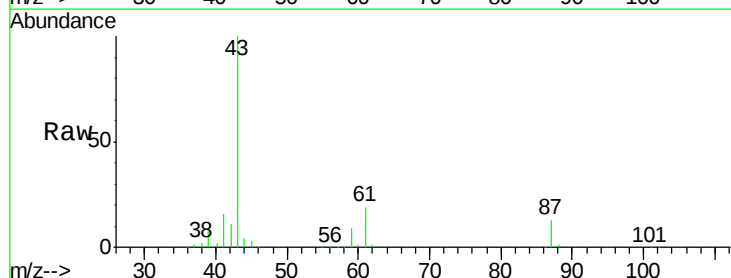
Ion Ratio Lower Upper

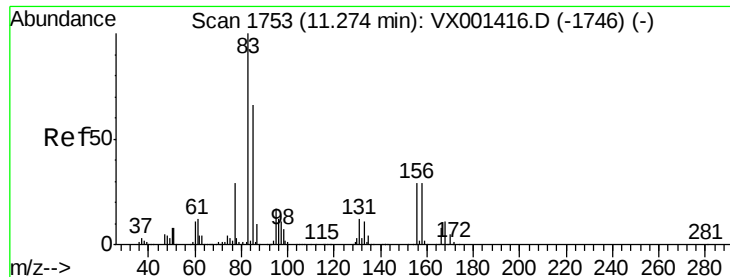
43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 19.2 15.4 23.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.09 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBSD02

Tot Ion: 83 Resp: 89088

Ion Ratio Lower Upper

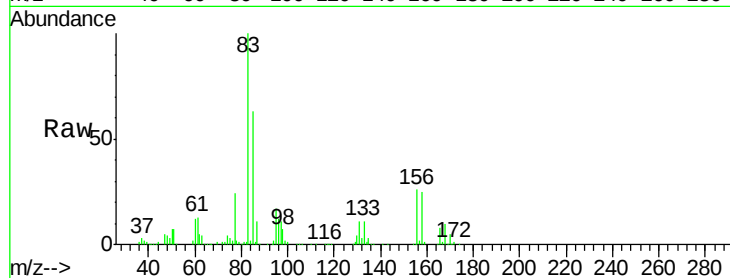
83 100

131 11.4 5.8 17.4

85 64.7 32.7 98.1

Manual Integrations
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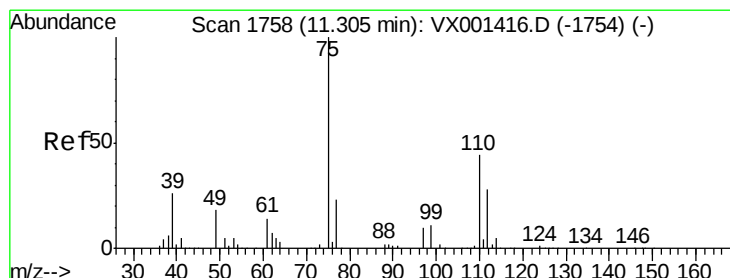
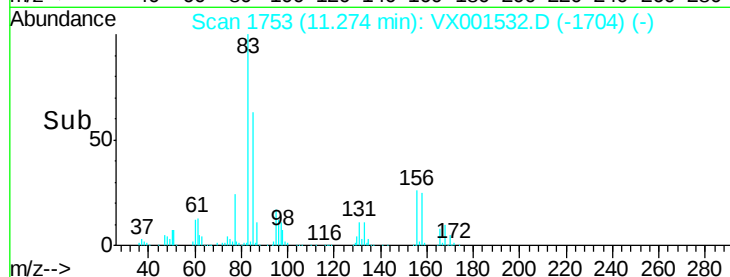
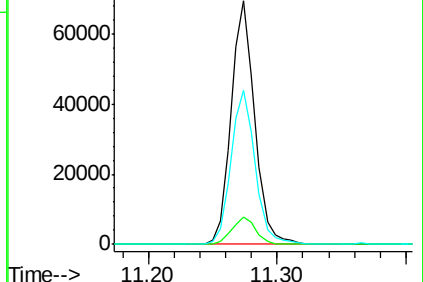
MMDadoda
5/10/2018 1:11:30 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.91 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX001532.D

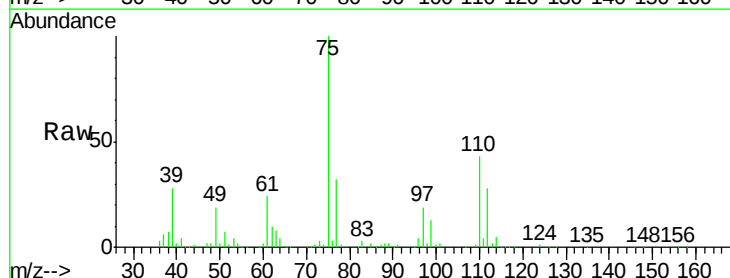
Acq: 09 May 2018 00:15

Tgt Ion: 75 Resp: 87677

Ion Ratio Lower Upper

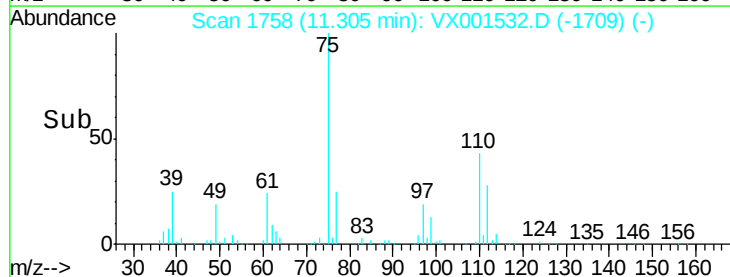
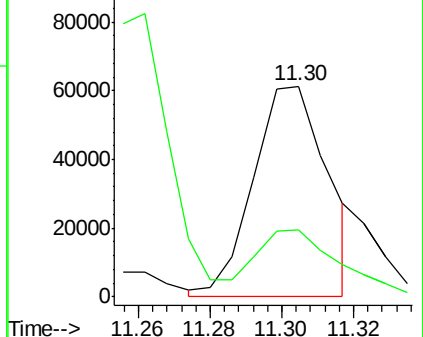
75 100

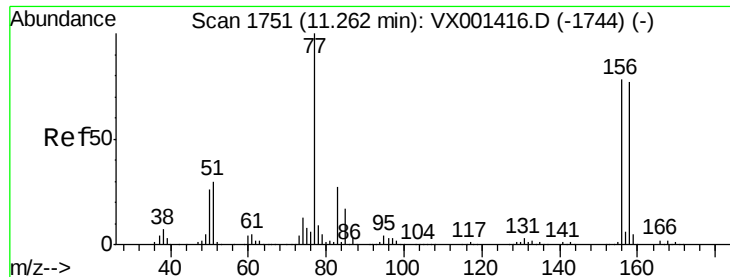
77 35.8 19.6 58.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 21.03 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBSD02

Tot Ion:156 Resp: 83501

Ion Ratio Lower Upper

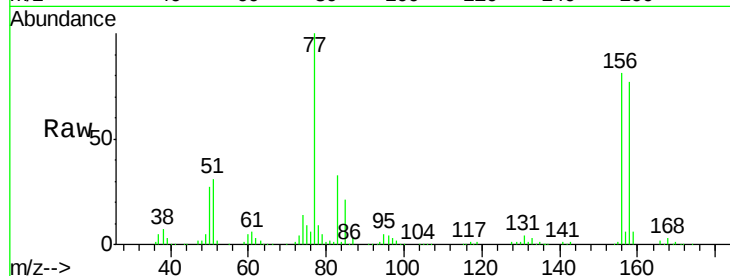
156 100

77 131.8 66.0 198.2

158 96.5 49.4 148.2

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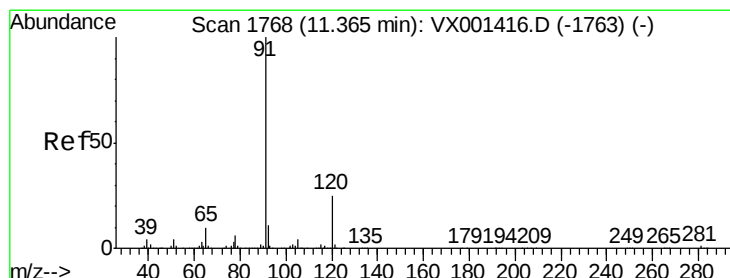
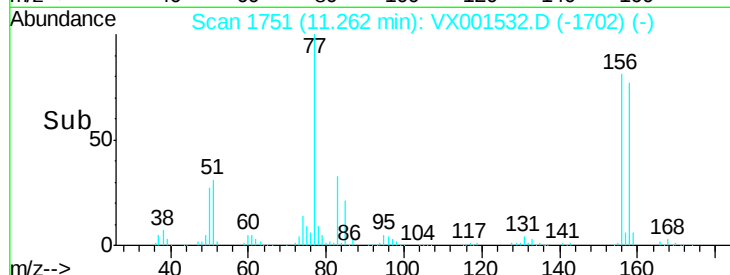
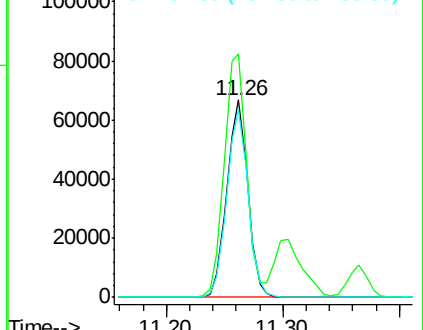
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.19 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001532.D

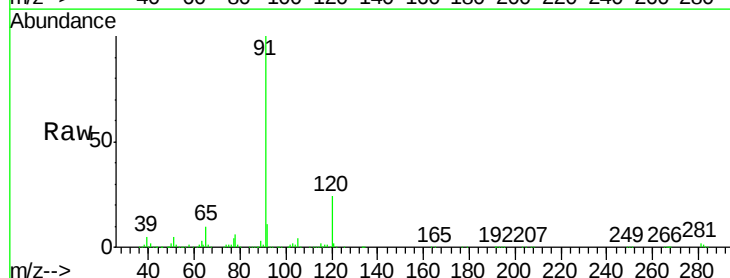
Acq: 09 May 2018 00:15

Tgt Ion: 91 Resp: 315136

Ion Ratio Lower Upper

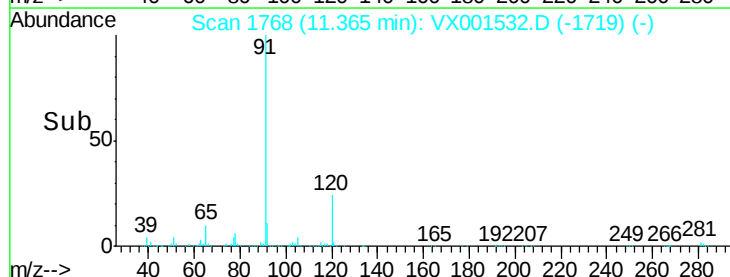
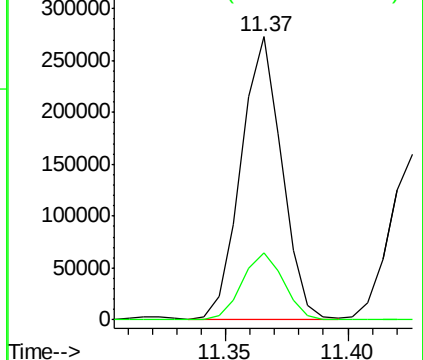
91 100

120 24.6 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.24 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBSD02

Tot Ion: 91 Resp: 194418

Ion Ratio Lower Upper

91 100

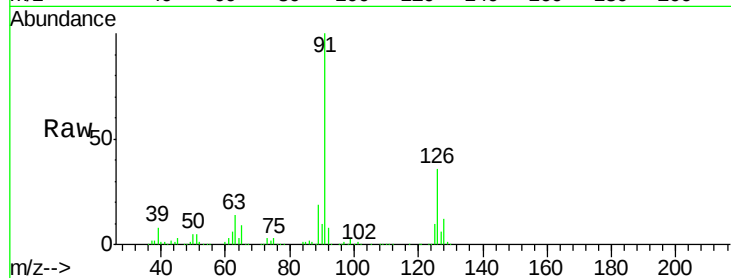
126 36.4 18.1 54.4

Manual Integrations

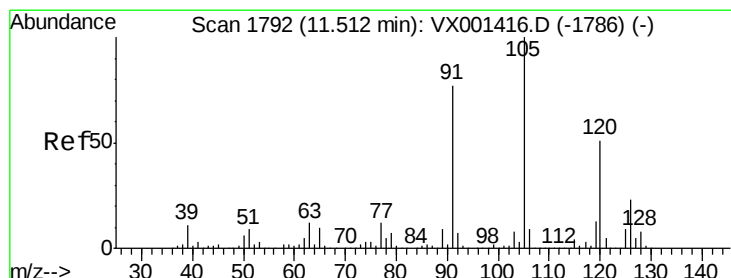
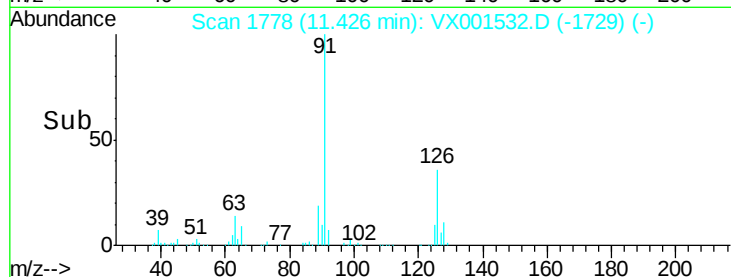
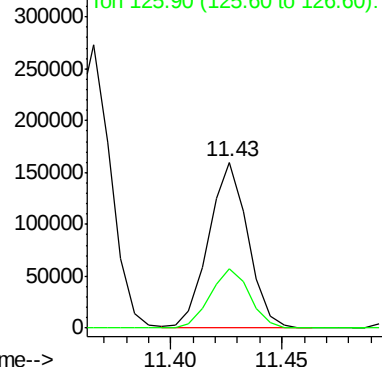
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Abundance Ion 91.00 (90.70 to 91.70): VX001416.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.25 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001532.D

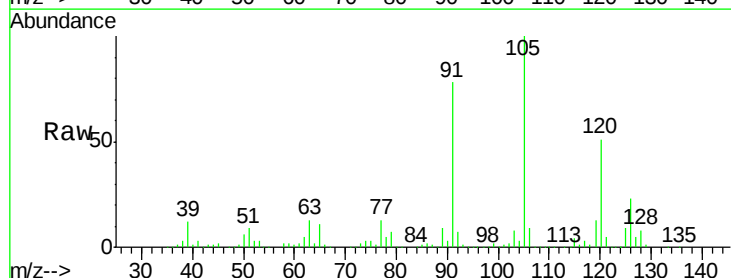
Acq: 09 May 2018 00:15

Tgt Ion: 105 Resp: 241649

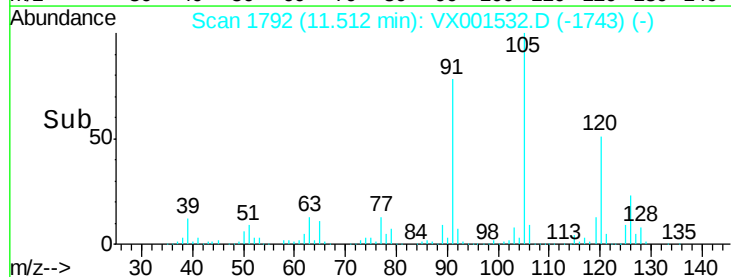
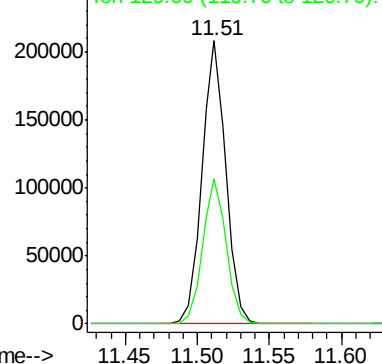
Ion Ratio Lower Upper

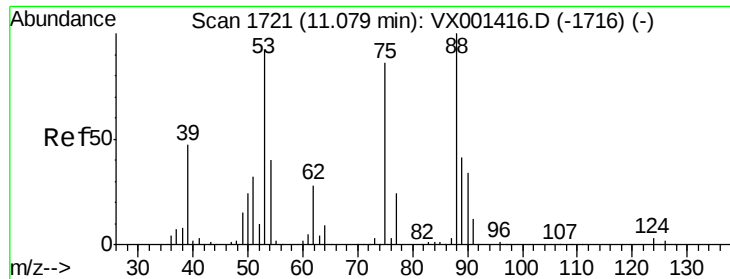
105 100

120 50.9 25.7 77.1



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





#81

trans-1,4-Dichloro-2-butene

Concen: 17.75 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBSD02

Tot Ion: 75 Resp: 18483

Ion Ratio Lower Upper

75 100

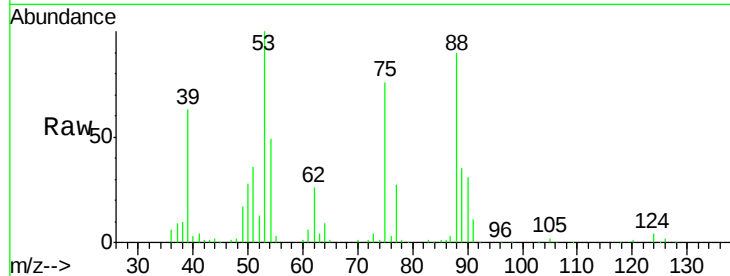
53 126.9 84.5 126.7#

89 49.2 39.5 59.3

Manual Integrations
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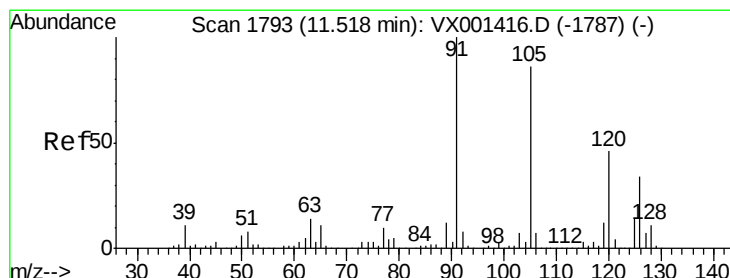
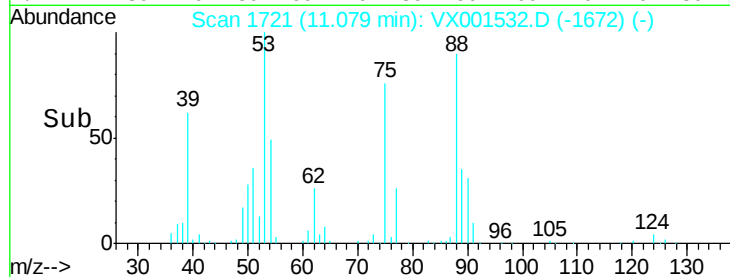
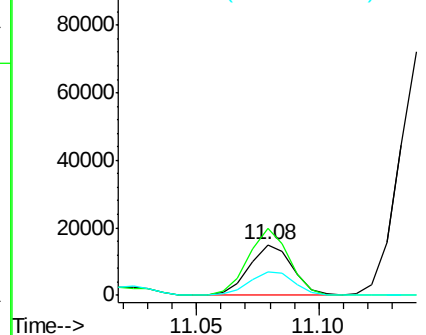
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 21.19 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001532.D

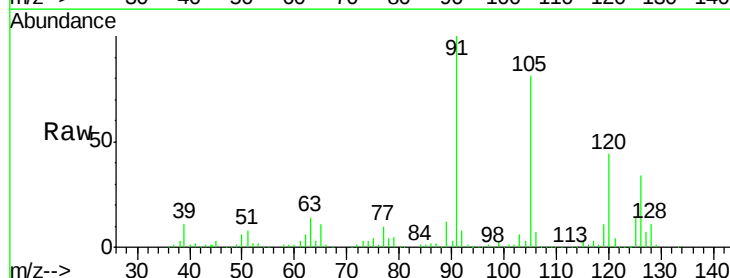
Acq: 09 May 2018 00:15

Tgt Ion: 91 Resp: 223728

Ion Ratio Lower Upper

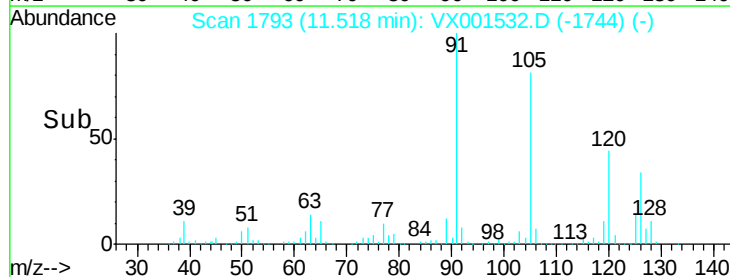
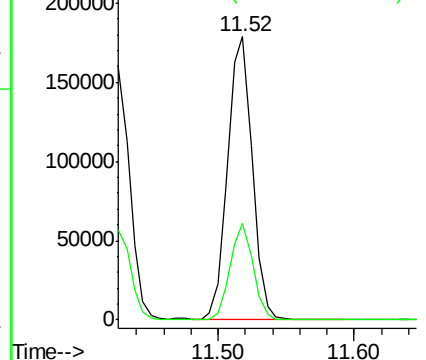
91 100

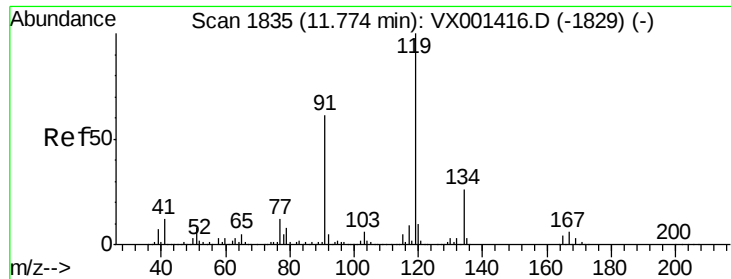
126 32.0 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





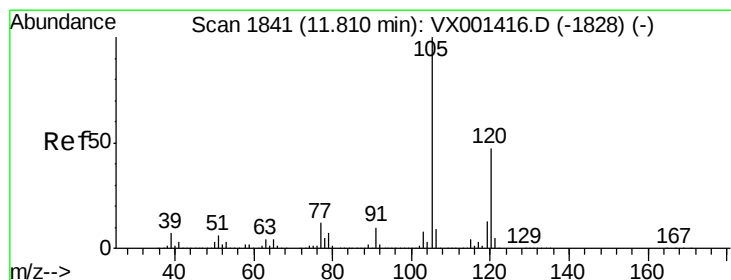
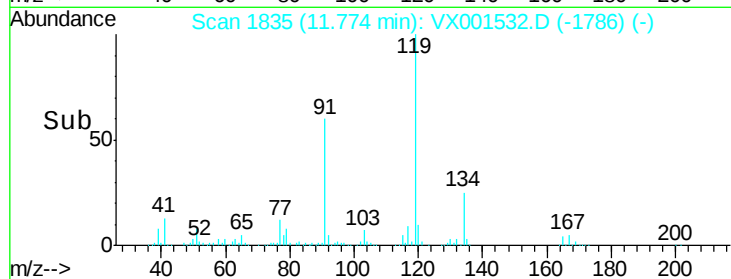
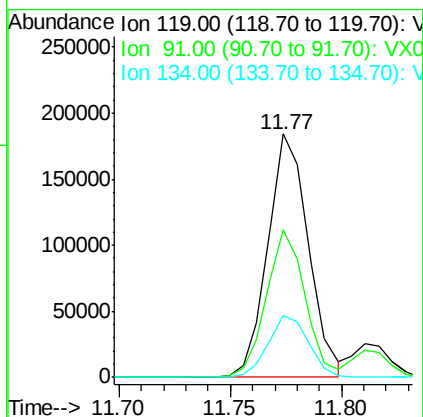
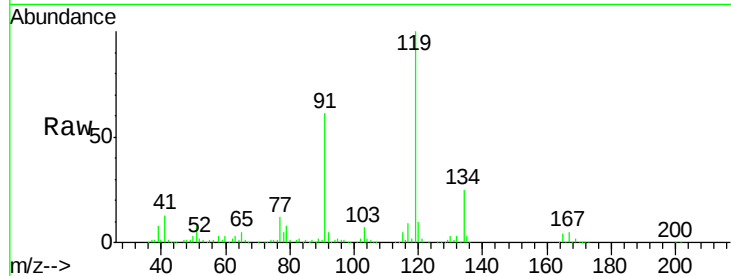
#83
 tert-Butylbenzene
 Concen: 20.59 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001532.D
 Acq: 09 May 2018 00:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.1	27.8	83.3
134	25.3	12.4	37.0

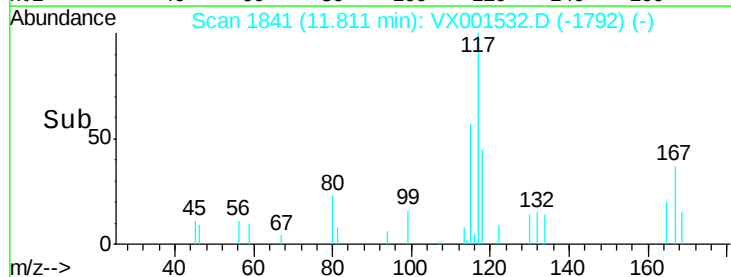
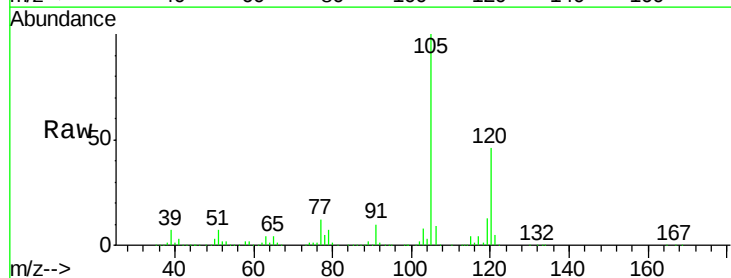
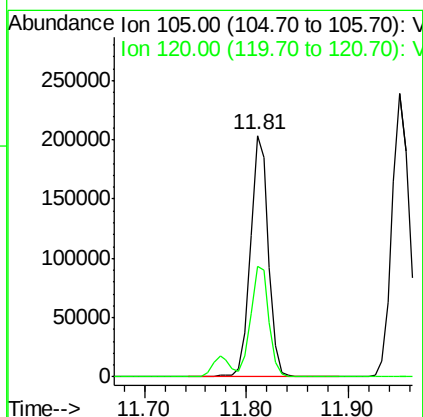
Manual Integrations
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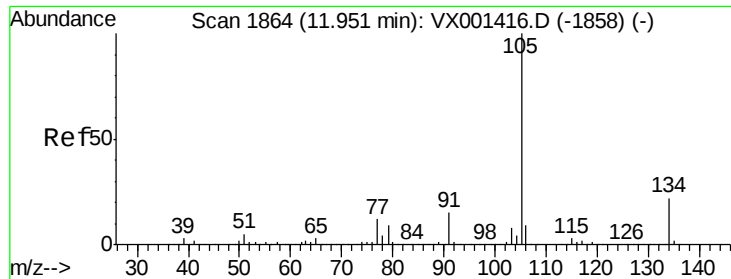
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 5/10/2018 1:11:30 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.35 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001532.D
 Acq: 09 May 2018 00:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.4	70.2





#85

sec-Butylbenzene

Concen: 21.09 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Instrument :

MSVOA_X

ClientSampleID :

VX0508WBSD02

Tot Ion:105 Resp: 286425

Ion Ratio Lower Upper

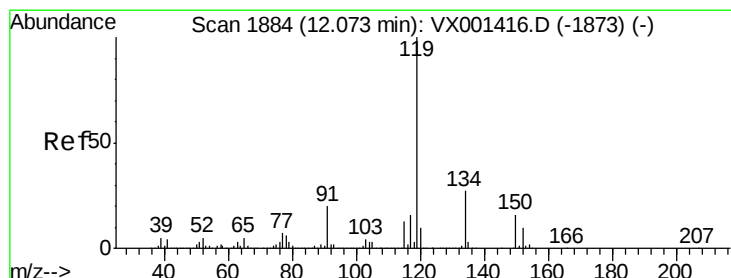
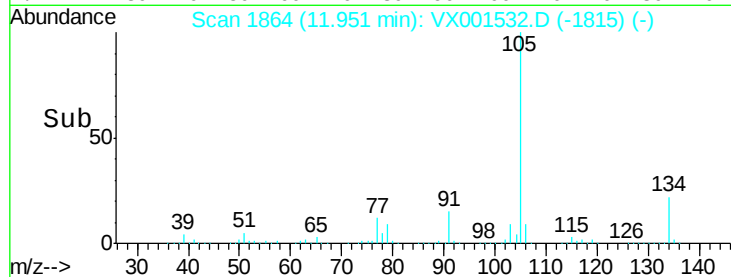
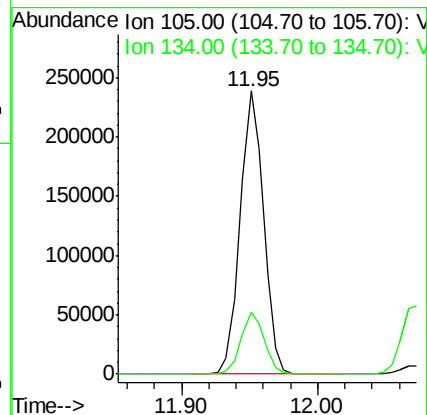
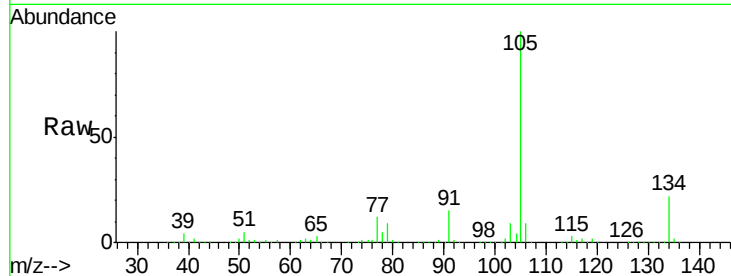
105 100

134 21.7 10.9 32.9

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#86

p-Isopropyltoluene

Concen: 20.88 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

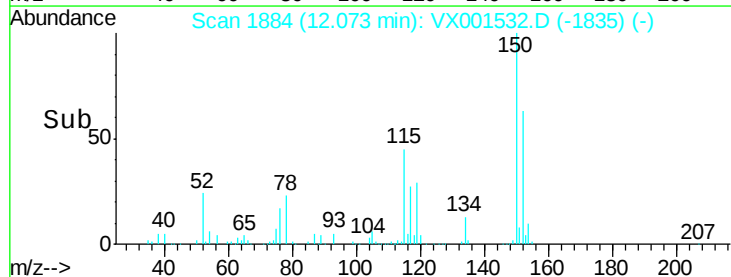
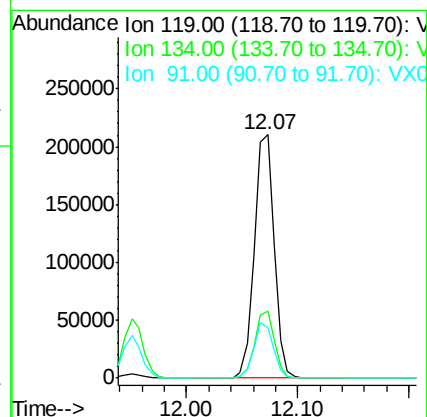
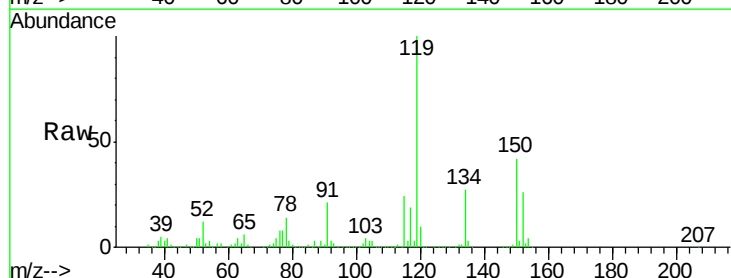
Tgt Ion:119 Resp: 260176

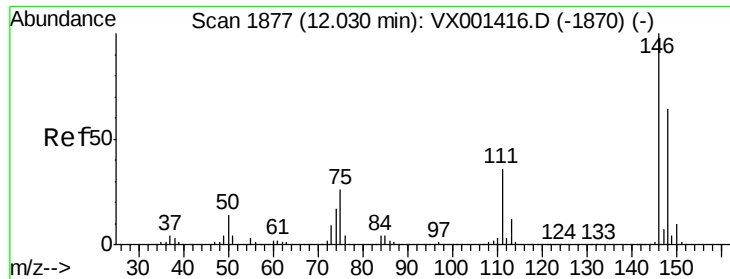
Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.8

91 22.4 10.8 32.3





#87

1,3-Dichlorobenzene

Concen: 20.53 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Instrument :

MSVOA_X

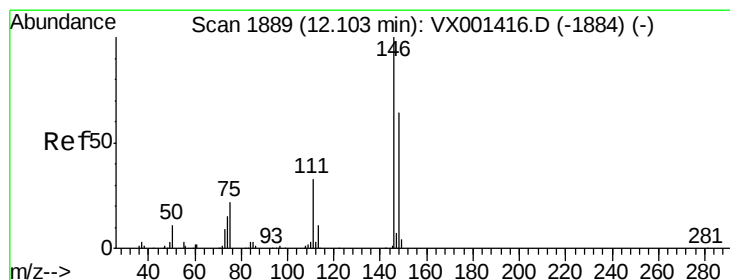
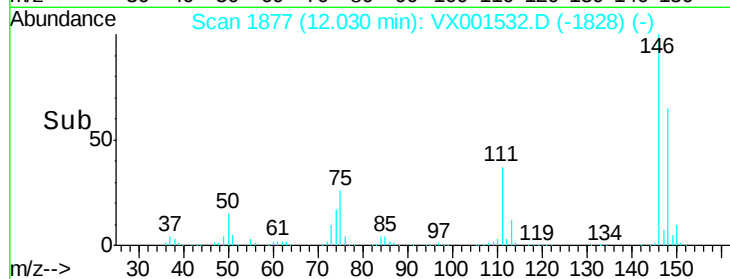
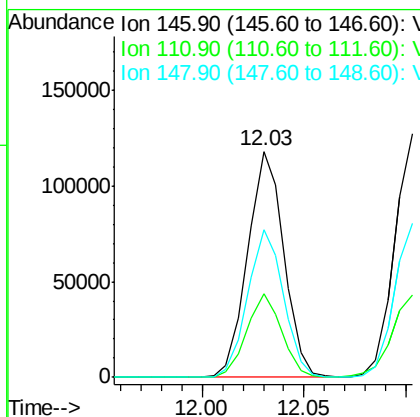
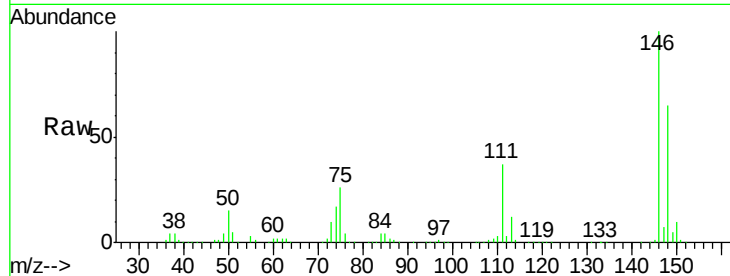
ClientSampled :

VX0508WBSD02

Tot Ion:	146	Resp:	145740
Ion Ratio	Lower	Upper	
146	100		
111	35.9	18.1	54.1
148	64.8	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.66 ug/l

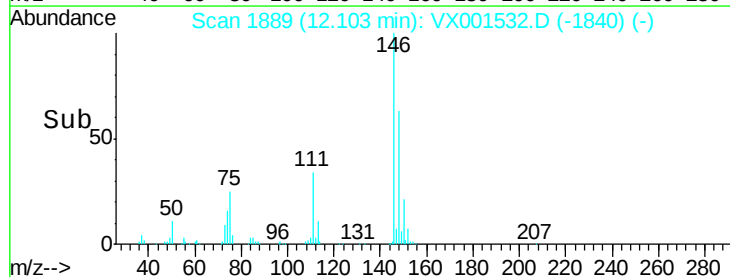
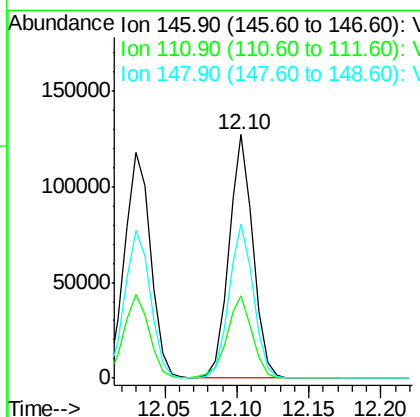
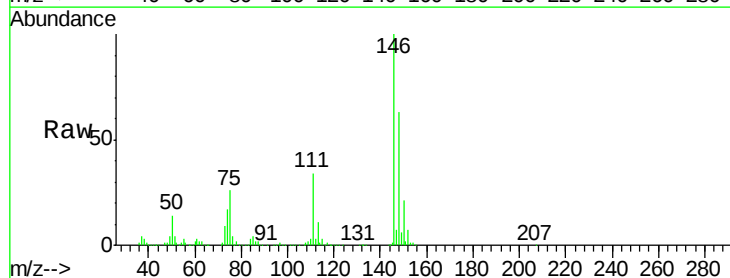
RT: 12.10 min Scan# 1889

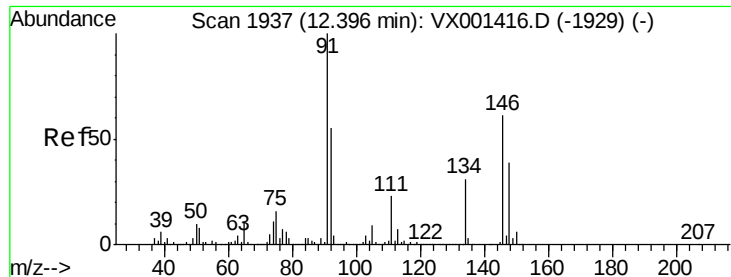
Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Tgt Ion:	146	Resp:	149545
Ion Ratio	Lower	Upper	
146	100		
111	35.8	17.4	52.3
148	64.4	32.2	96.6





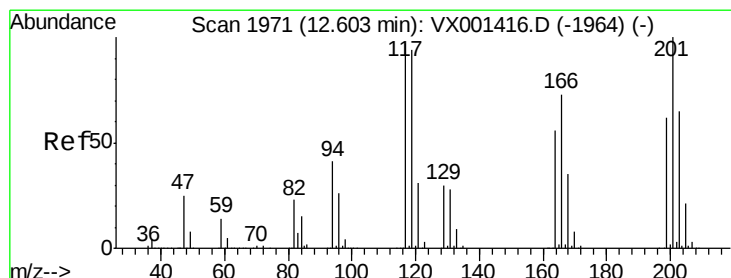
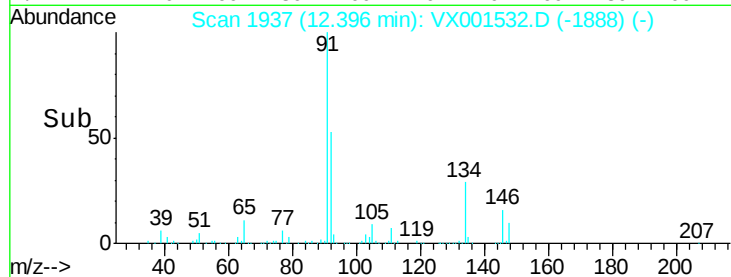
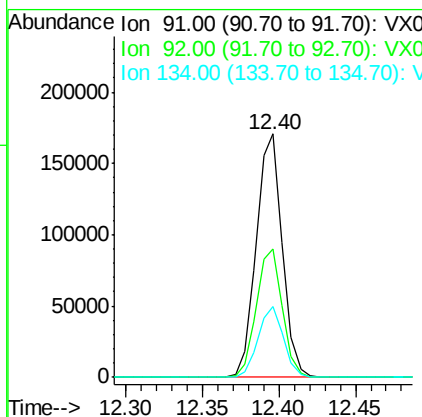
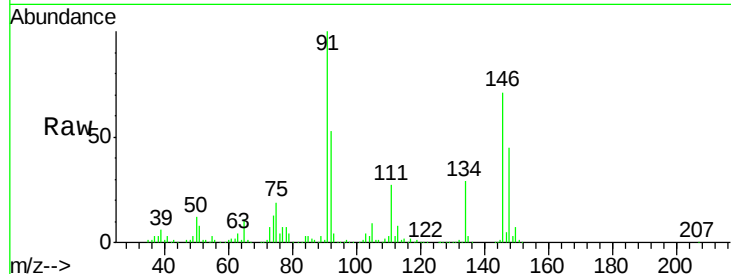
#89
n-Butylbenzene
Concen: 19.57 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	202030		
92	52.9		27.2	81.5
134	28.3		14.6	44.0

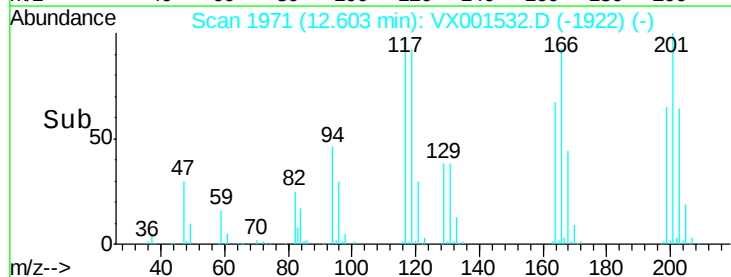
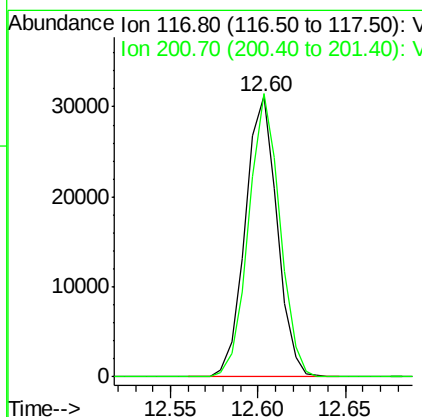
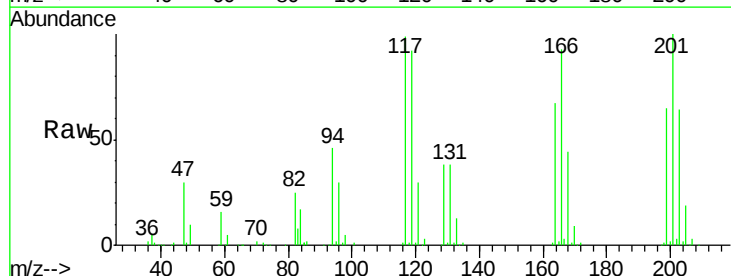
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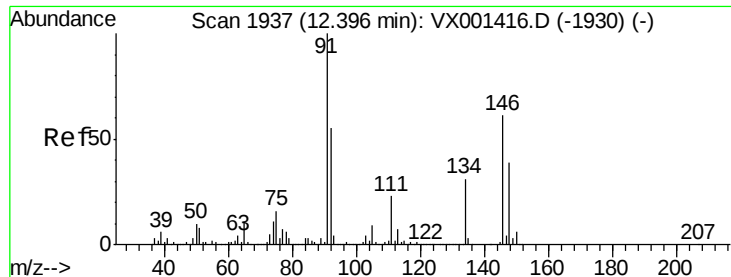
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#90
Hexachloroethane
Concen: 20.98 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001532.D
Acq: 09 May 2018 00:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	39356		
201	98.8		51.5	154.5





#91

1,2-Dichlorobenzene

Concen: 20.94 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBSD02

Tot Ion:146 Resp: 151243

Ion Ratio Lower Upper

146 100

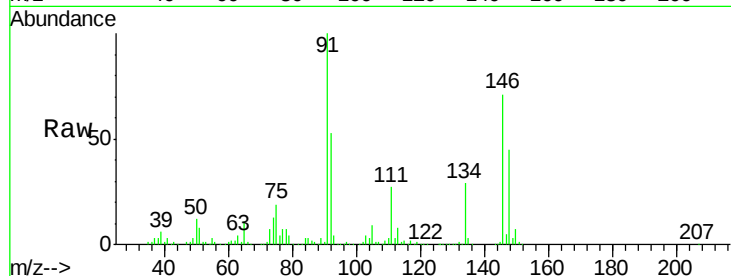
111 37.9 18.6 55.8

148 63.9 32.1 96.5

Manual Integrations
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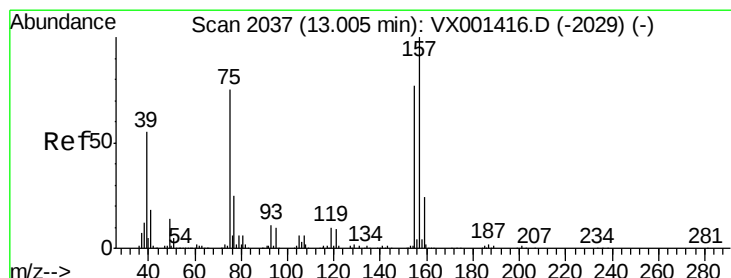
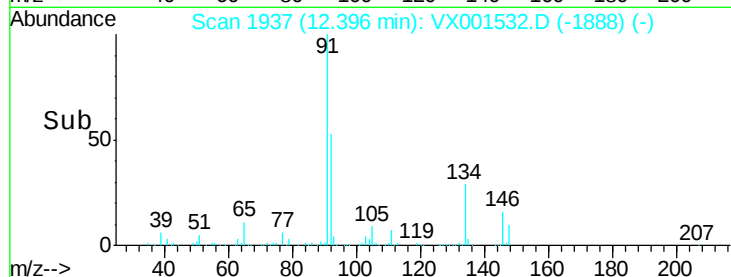
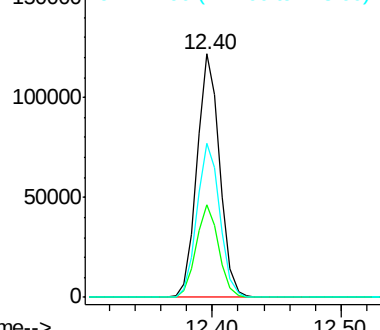
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Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.94 ug/l

RT: 13.01 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

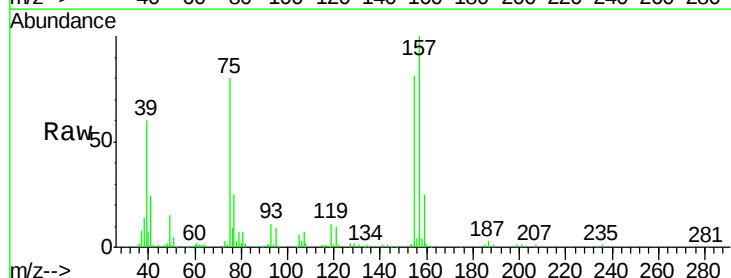
Tgt Ion: 75 Resp: 20332

Ion Ratio Lower Upper

75 100

155 104.3 53.4 160.2

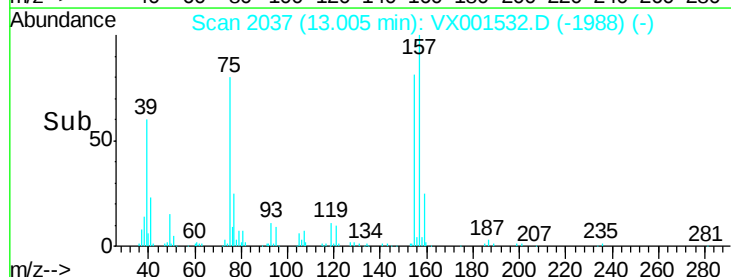
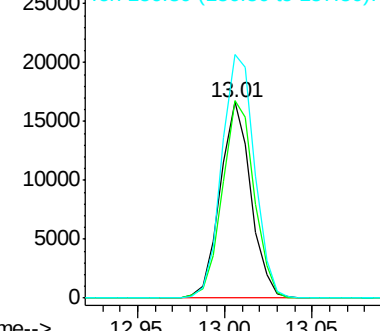
157 132.2 68.3 204.8

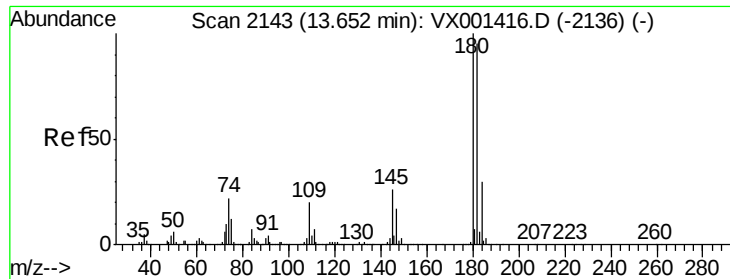


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





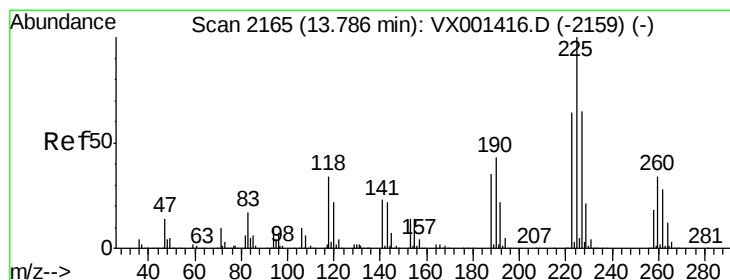
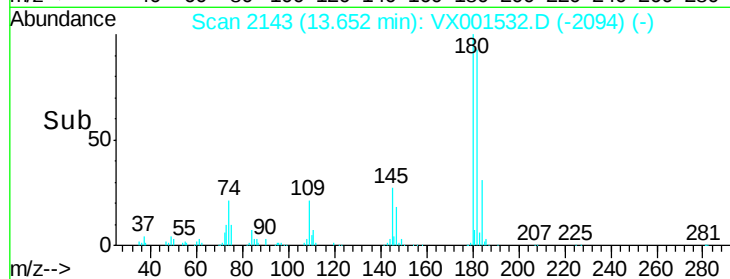
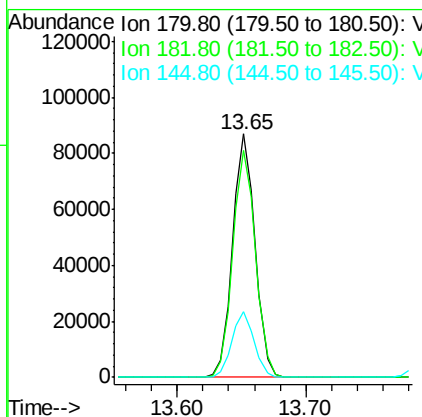
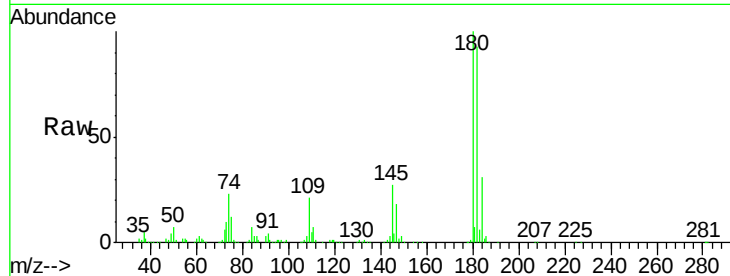
#93
 1,2,4-Trichlorobenzene
 Concen: 20.06 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001532.D
 Acq: 09 May 2018 00:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	105982		
182	94.4	47.8	143.4	
145	26.8	13.3	39.9	

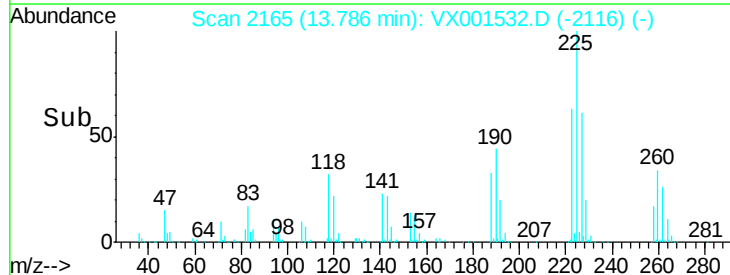
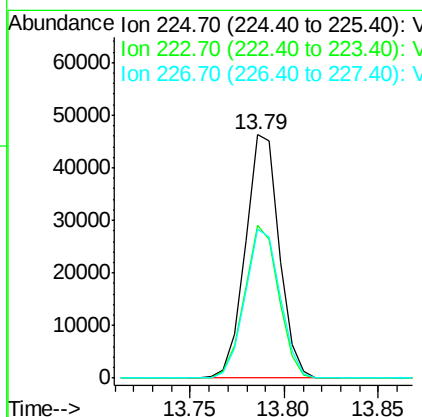
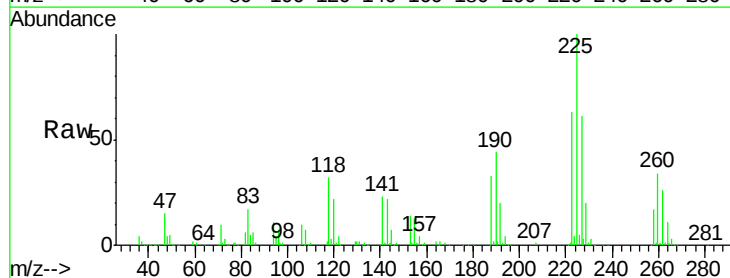
Manual Integrations
 APPROVED

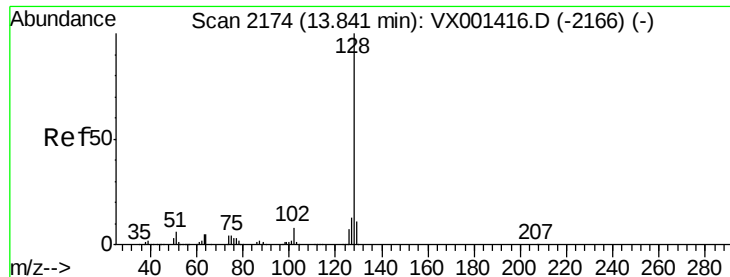
MMDadoda
 5/10/2018 1:11:30 PM



#94
 Hexachlorobutadiene
 Concen: 19.91 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001532.D
 Acq: 09 May 2018 00:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57553		
223	63.2	31.3	93.9	
227	63.2	32.4	97.2	





#95

Naphthalene

Concen: 21.75 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Instrument :

MSVOA_X

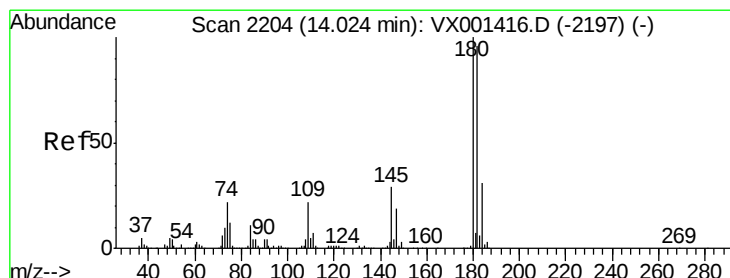
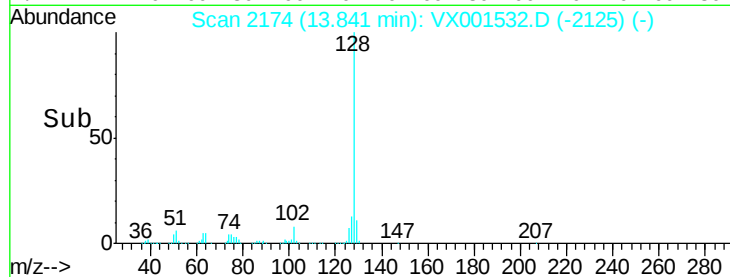
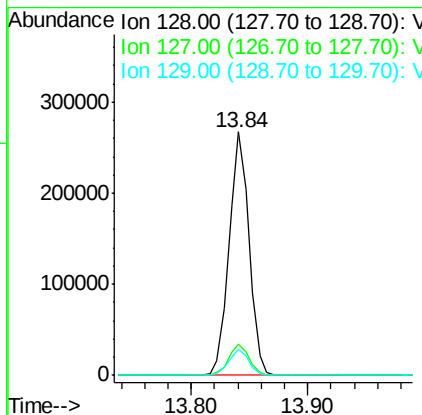
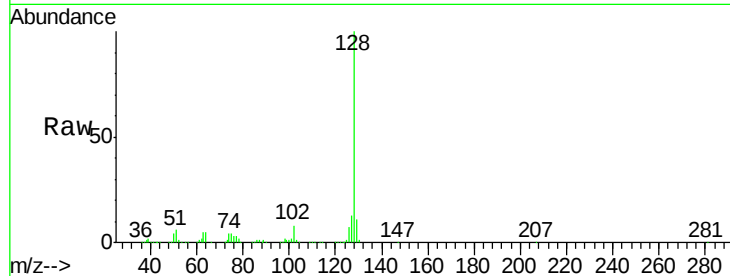
ClientSampleId :

VX0508WBSD02

Tot Ion:	128	Resp:	317885
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/10/2018 1:11:30 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.72 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001532.D

Acq: 09 May 2018 00:15

Tgt Ion:	180	Resp:	112357
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.0	144.2
145	28.8	14.1	42.4

