

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061118\
 Data File : VX002442.D
 Acq On : 11 Jun 2018 14:55
 Operator : JC/MD
 Sample : VX0611WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0611WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/12/2018 4:50:41 PM

Quant Time: Jun 12 02:38:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	274470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	401059	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	387655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	240539	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	202126	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
35) Dibromofluoromethane	5.51	113	155932	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
50) Toluene-d8	8.72	98	587368	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
62) 4-Bromofluorobenzene	11.14	95	222821	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	50130	17.57	ug/l	99
3) Chloromethane	1.32	50	57863	15.73	ug/l	99
4) Vinyl Chloride	1.41	62	66741	18.56	ug/l	99
5) Bromomethane	1.64	94	38542	16.72	ug/l	98
6) Chloroethane	1.73	64	45506	19.56	ug/l	98
7) Trichlorofluoromethane	1.93	101	113496	20.72	ug/l	98
8) Diethyl Ether	2.19	74	42212	20.26	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	63688	21.54	ug/l	98
10) Methyl Iodide	2.51	142	55433	13.33	ug/l	99
11) Tert butyl alcohol	3.07	59	84822	93.02	ug/l	97
12) 1,1-Dichloroethene	2.37	96	56423	19.31	ug/l	98
13) Acrolein	2.30	56	35330	84.19	ug/l	99
14) Allyl chloride	2.73	41	115227	18.17	ug/l	98
15) Acrylonitrile	3.15	53	178707	101.22	ug/l	99
16) Acetone	2.45	43	205096	110.83	ug/l	99
17) Carbon Disulfide	2.57	76	129432	16.81	ug/l	98
18) Methyl Acetate	2.78	43	87570	20.69	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	222767	20.48	ug/l	100
20) Methylene Chloride	2.86	84	66266	19.68	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	61130	18.97	ug/l	96
22) Diisopropyl ether	3.88	45	205577	18.47	ug/l	99
23) Vinyl Acetate	3.83	43	889549	86.54	ug/l	100
24) 1,1-Dichloroethane	3.70	63	123276	19.67	ug/l	99
25) 2-Butanone	4.71	43	247198	91.86	ug/l	99
26) 2,2-Dichloropropane	4.59	77	86421	17.64	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	61423	17.53	ug/l	98
28) Bromochloromethane	5.03	49	63681	21.89	ug/l	100
29) Tetrahydrofuran	5.17	42	150604	86.80	ug/l	99
30) Chloroform	5.22	83	110526	18.28	ug/l	97
31) Cyclohexane	5.58	56	90089	18.18	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	95353	18.59	ug/l	100
36) 1,1-Dichloropropene	5.81	75	77668	18.42	ug/l	99
37) Ethyl Acetate	4.87	43	94552	18.65	ug/l	100
38) Carbon Tetrachloride	5.79	117	81324	18.44	ug/l	97

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Instrument :
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Manual Integrations
 APPROVED

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 6/12/2018 4:50:41 PM

Quant Time: Jun 12 02:38:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	93235	18.07	ug/l	99
40) Benzene	6.15	78	233044	18.03	ug/l	99
41) Methacrylonitrile	5.07	41	52112	17.95	ug/l	98
42) 1,2-Dichloroethane	6.20	62	94851	18.47	ug/l	100
43) Isopropyl Acetate	6.47	43	153668	17.84	ug/l	99
44) Trichloroethene	7.22	130	65387	18.22	ug/l	99
45) 1,2-Dichloropropane	7.52	63	64247	18.41	ug/l	97
46) Dibromomethane	7.66	93	42943	18.15	ug/l	98
47) Bromodichloromethane	7.90	83	77602	18.14	ug/l	100
48) Methyl methacrylate	7.78	41	78347	18.11	ug/l	100
49) 1,4-Dioxane	7.76	88	30175	373.05	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	502151	93.63	ug/l	99
52) Toluene	8.79	92	154005	18.73	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	91341	17.80	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	84484	17.45	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	63466	18.77	ug/l	98
56) Ethyl methacrylate	9.19	69	96820	17.93	ug/l	99
57) 1,3-Dichloropropane	9.38	76	106202	18.72	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	250130	100.10	ug/l	99
59) 2-Hexanone	9.50	43	390062	94.16	ug/l	100
60) Dibromochloromethane	9.59	129	62207	18.29	ug/l	100
61) 1,2-Dibromoethane	9.68	107	65387	18.54	ug/l	99
64) Tetrachloroethene	9.34	164	70076	17.53	ug/l	97
65) Chlorobenzene	10.14	112	177403	18.39	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	62835	17.99	ug/l	98
67) Ethyl Benzene	10.26	91	301297	18.66	ug/l	98
68) m/p-Xylenes	10.36	106	234453	37.36	ug/l	98
69) o-Xylene	10.70	106	114075	18.27	ug/l	100
70) Styrene	10.71	104	190018	18.61	ug/l	99
71) Bromoform	10.86	173	45328	16.95	ug/l #	99
73) Isopropylbenzene	11.02	105	313930	18.76	ug/l	99
74) N-amyl acetate	6.47	43	153668	17.04	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	94892	18.03	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	82664m	15.66	ug/l	
77) Bromobenzene	11.26	156	83769	17.83	ug/l	99
78) n-propylbenzene	11.37	91	359642	19.34	ug/l	99
79) 2-Chlorotoluene	11.43	91	210192	17.90	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	263455	18.36	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	23898	15.87	ug/l	92
82) 4-Chlorotoluene	11.51	91	250406	18.47	ug/l	100
83) tert-Butylbenzene	11.77	119	264007	18.89	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	272991	18.48	ug/l	99
85) sec-Butylbenzene	11.95	105	319537	19.50	ug/l	99
86) p-Isopropyltoluene	12.07	119	290436	19.46	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	153309	18.25	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	158521	18.31	ug/l	100
89) n-Butylbenzene	12.39	91	252791	20.20	ug/l	99
90) Hexachloroethane	12.60	117	41086	17.25	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	156691	18.03	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19588	17.02	ug/l	98

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD01

Manual Integrations
APPROVED

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6/12/2018 4:50:41 PM

Quant Time: Jun 12 02:38:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	115181	18.90	ug/l	100
94) Hexachlorobutadiene	13.79	225	60423	20.07	ug/l	99
95) Naphthalene	13.84	128	326593	18.65	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	116568	18.76	ug/l	99

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

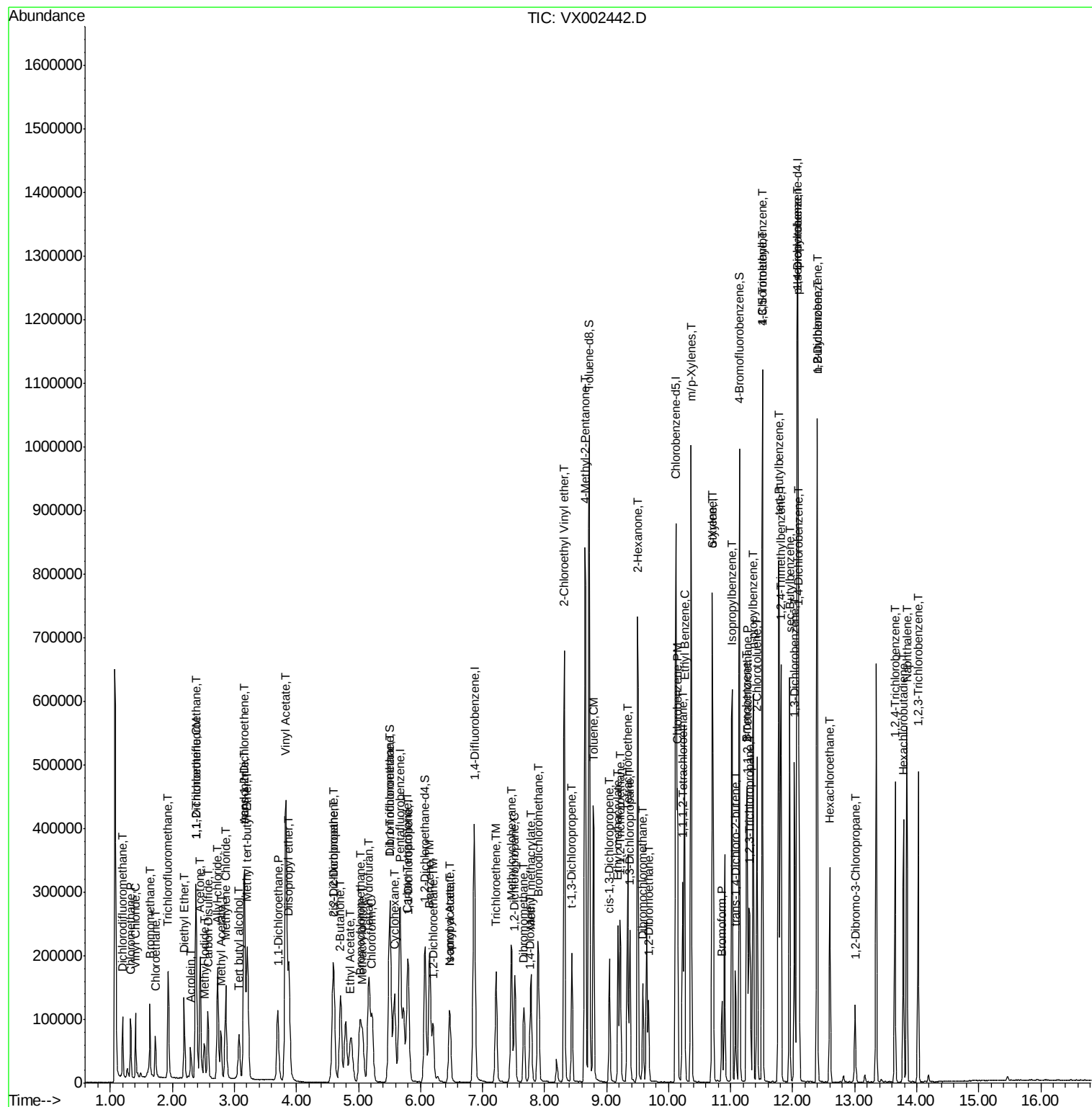
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 Data File : VX002442.D
 Acq On : 11 Jun 2018 14:55
 Operator : JC/MD
 Sample : VX0611WBSD01
 Misc : 5.0mL/MSVOA X/WATER
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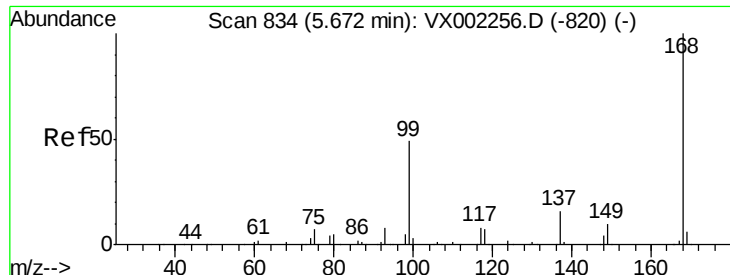
Instrument :
 MSVOA_X
 Client Sample ID :
 VX0611WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/12/2018 4:50:41 PM

Quant Time: Jun 12 02:38:12 2018
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBSD01

Tot Ion:168 Resp: 274470

Ion Ratio Lower Upper

168 100

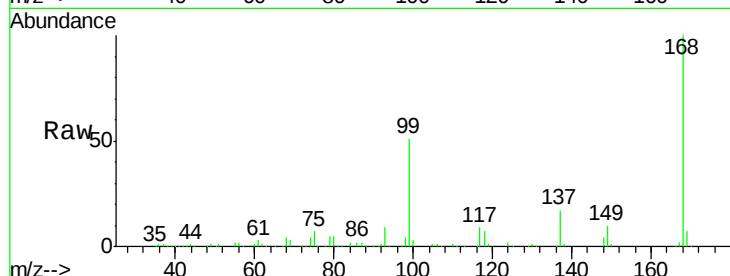
99 50.5 39.3 58.9

Manual Integrations

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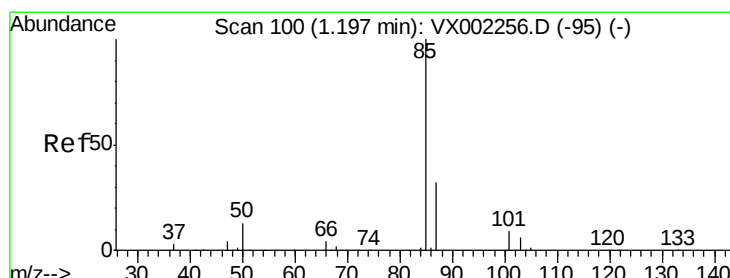
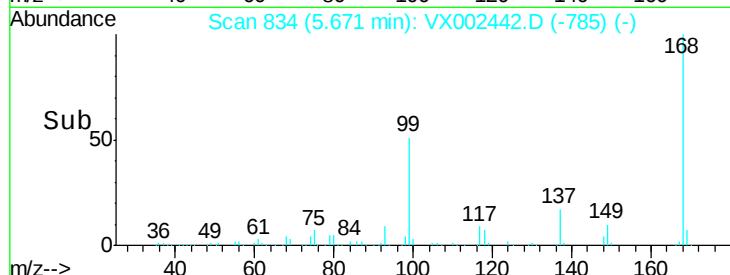
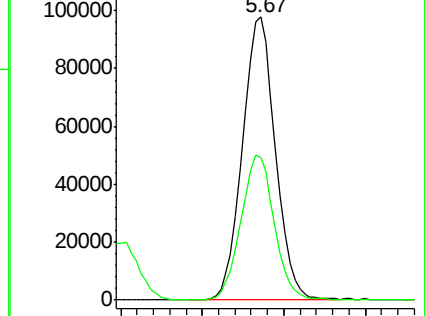
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.57 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002442.D

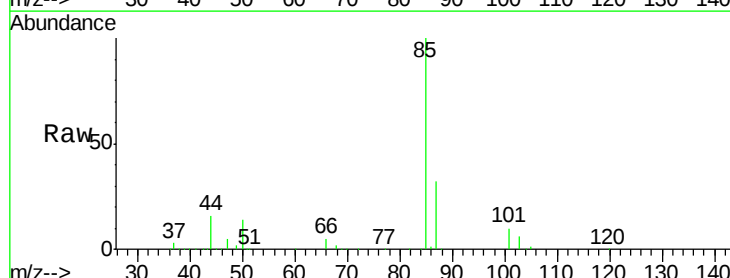
Acq: 11 Jun 2018 14:55

Tgt Ion: 85 Resp: 50130

Ion Ratio Lower Upper

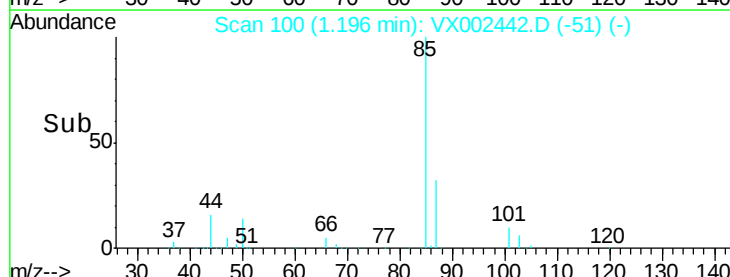
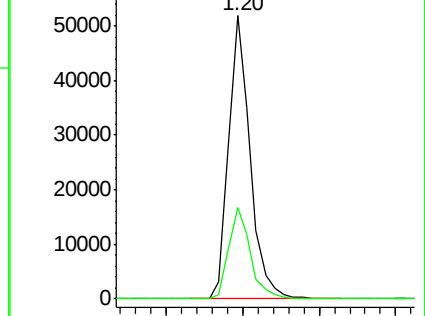
85 100

87 32.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 15.73 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBSD01

Tot Ion: 50 Resp: 57863

Ion Ratio Lower Upper

50 100

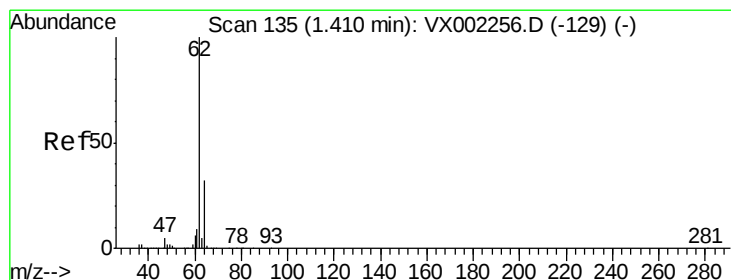
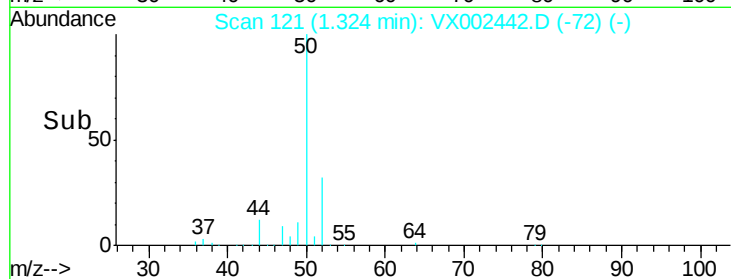
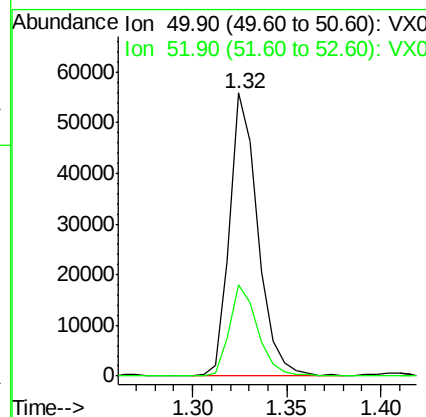
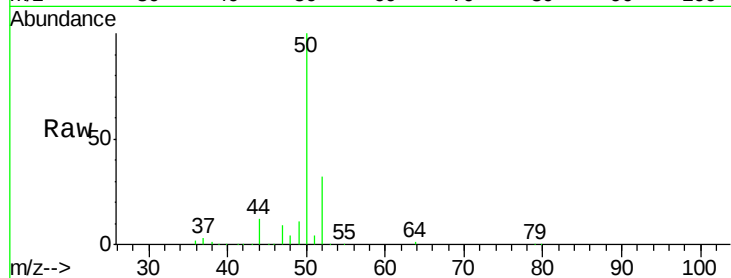
52 32.5 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.56 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX002442.D

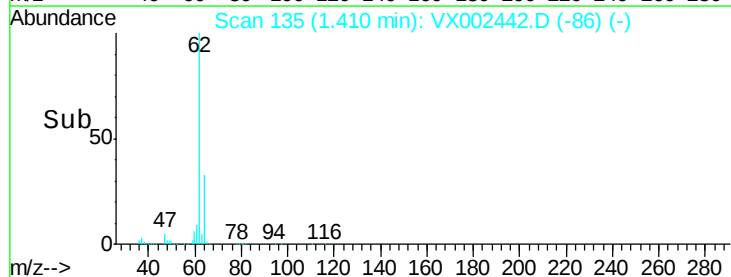
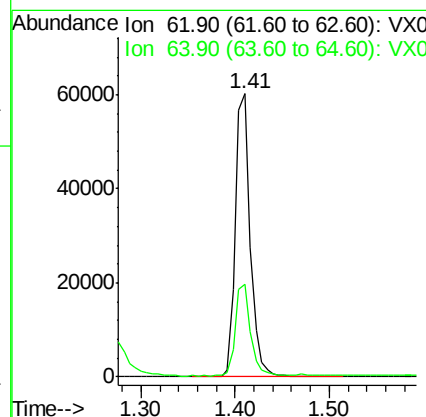
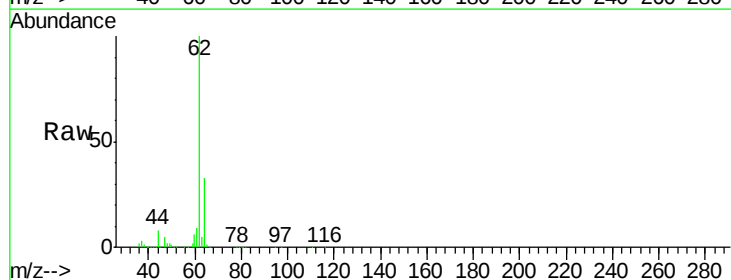
Acq: 11 Jun 2018 14:55

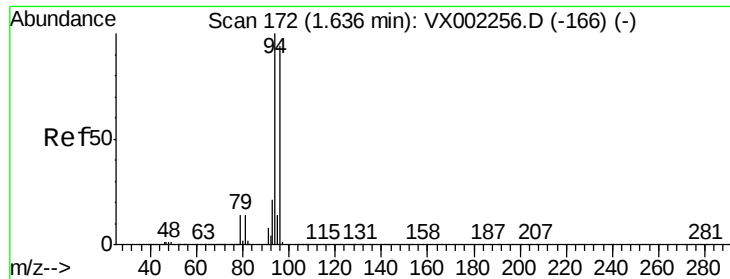
Tgt Ion: 62 Resp: 66741

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.2





#5

Bromomethane

Concen: 16.72 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBSD01

Tot Ion: 94 Resp: 38542

Ion Ratio Lower Upper

94 100

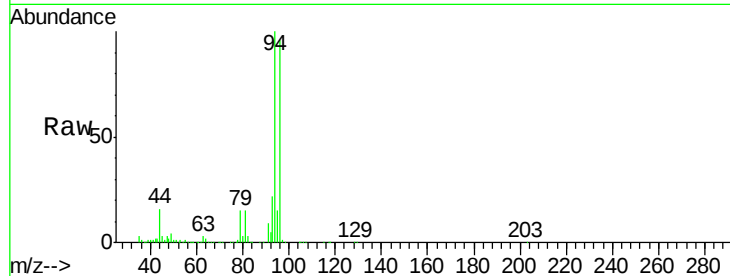
96 95.8 74.9 112.3

Manual Integrations

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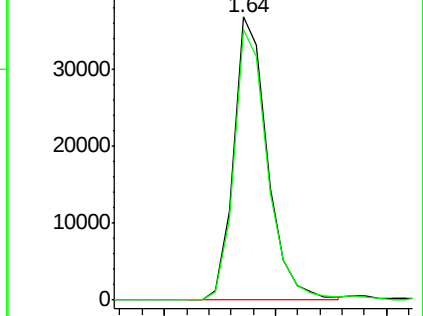
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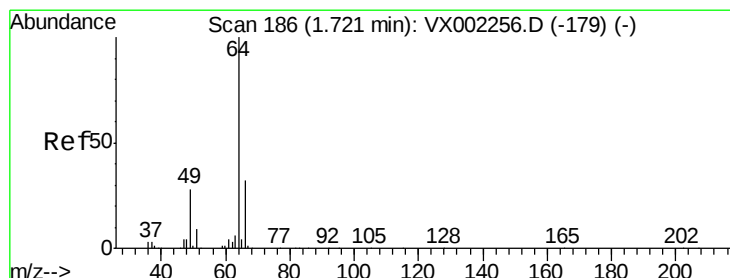
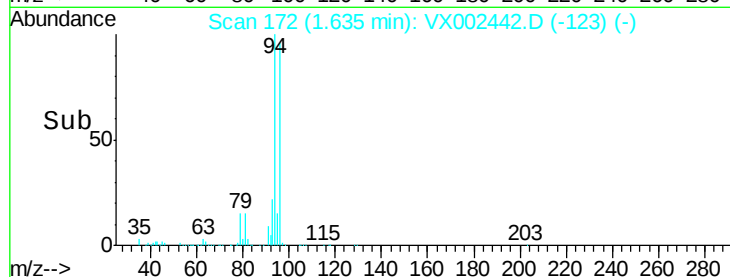


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 19.56 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002442.D

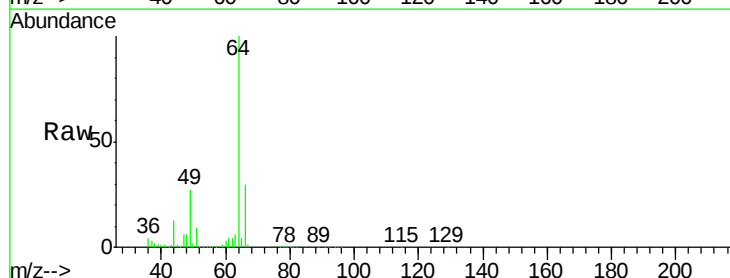
Acq: 11 Jun 2018 14:55

Tgt Ion: 64 Resp: 45506

Ion Ratio Lower Upper

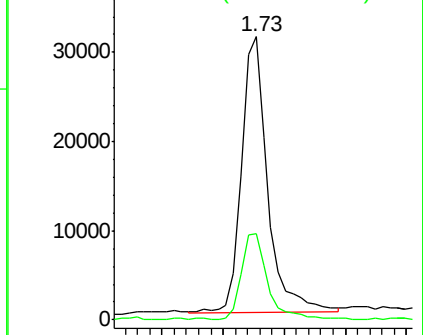
64 100

66 31.0 25.5 38.3

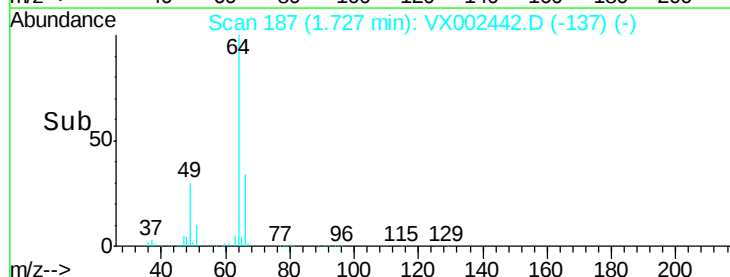


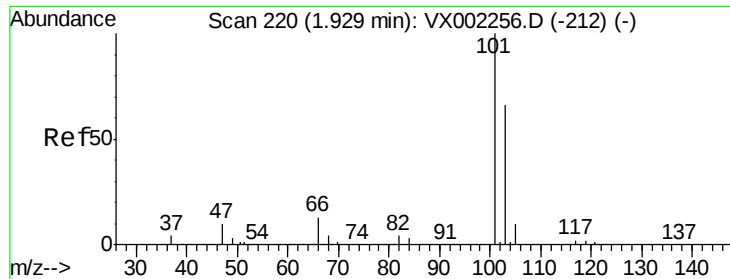
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->





#7

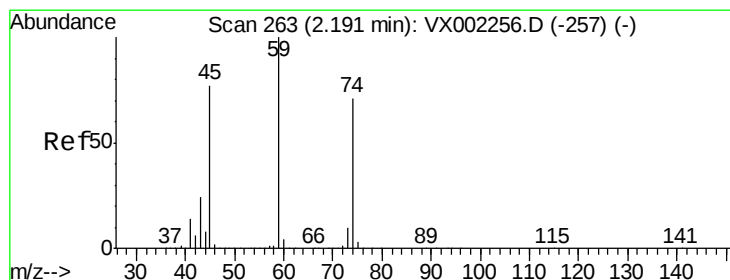
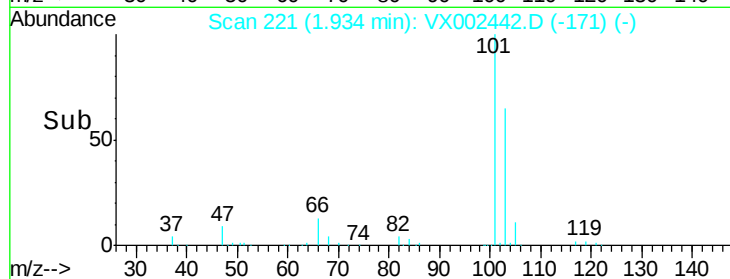
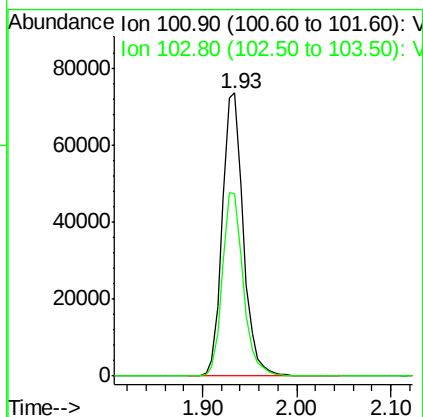
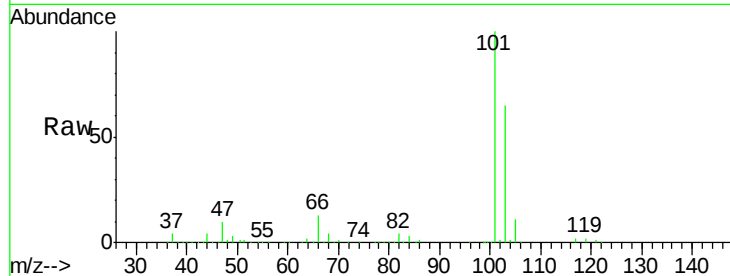
Trichlorofluoromethane
 Concen: 20.72 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX002442.D
 Acq: 11 Jun 2018 14:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0611WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.8	79.2

Manual Integrations
 APPROVED

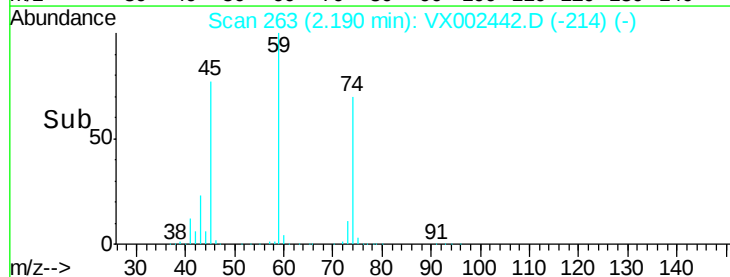
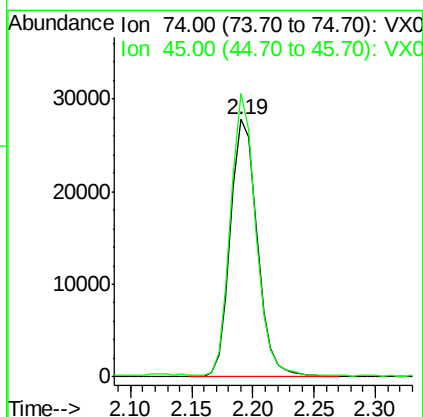
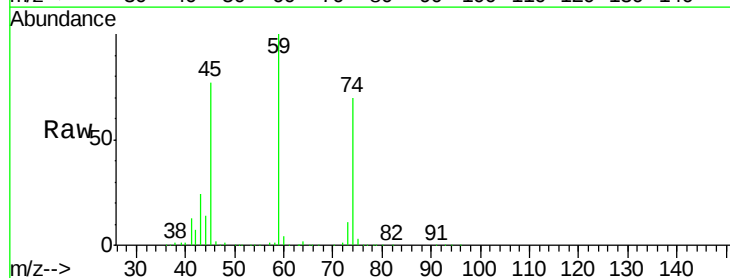
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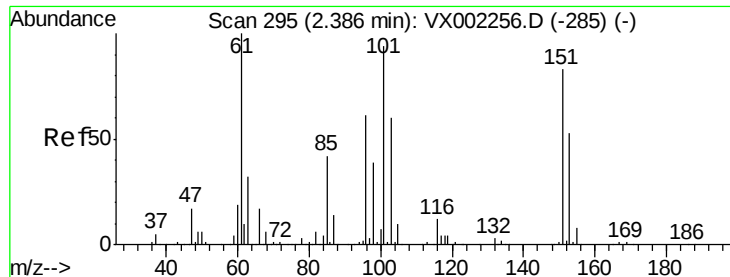


#8

Diethyl Ether
 Concen: 20.26 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX002442.D
 Acq: 11 Jun 2018 14:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.8	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.54 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBSD01

Tot Ion:101 Resp: 63688

Ion Ratio Lower Upper

101 100

85 46.2 36.0 54.0

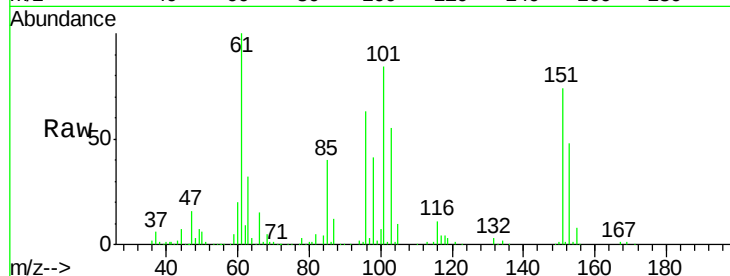
151 90.1 70.9 106.3

Manual Integrations

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MMDadoda

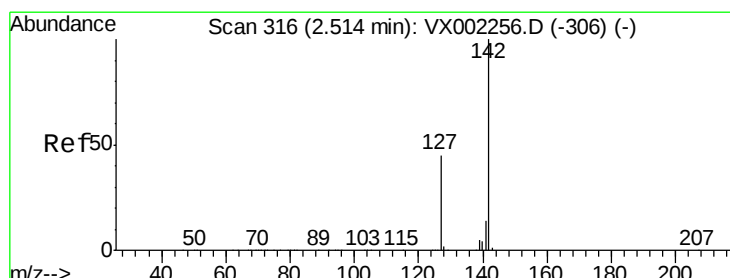
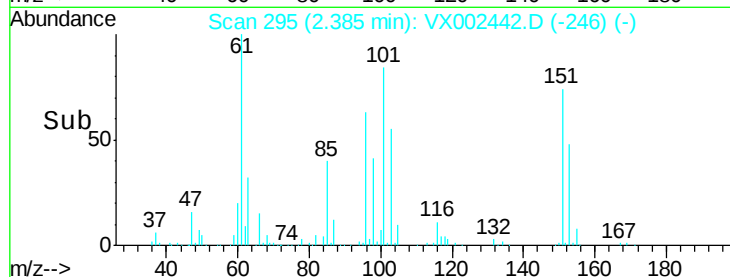
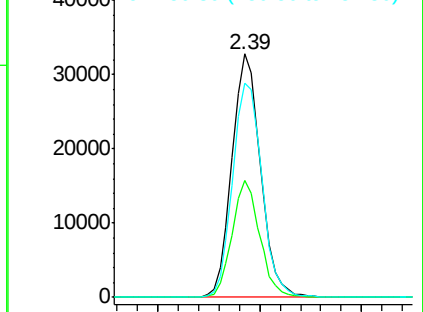
6/12/2018 4:50:41 PM



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: 13.33 ug/l

RT: 2.51 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

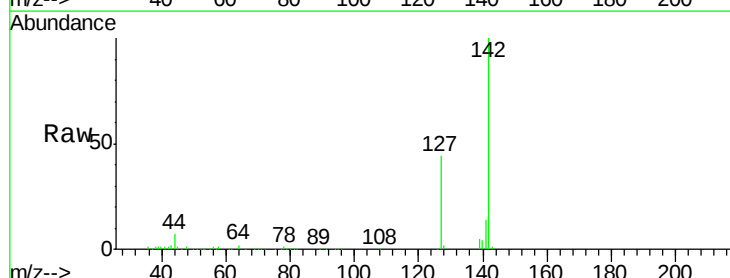
Tgt Ion:142 Resp: 55433

Ion Ratio Lower Upper

142 100

127 45.5 36.6 55.0

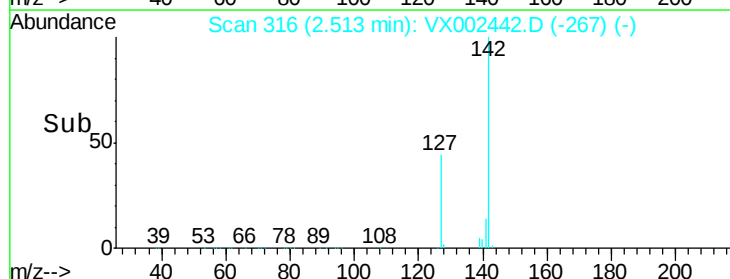
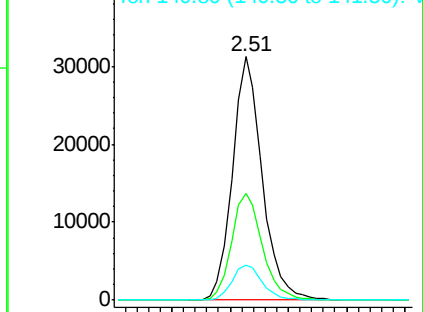
141 14.7 11.3 16.9

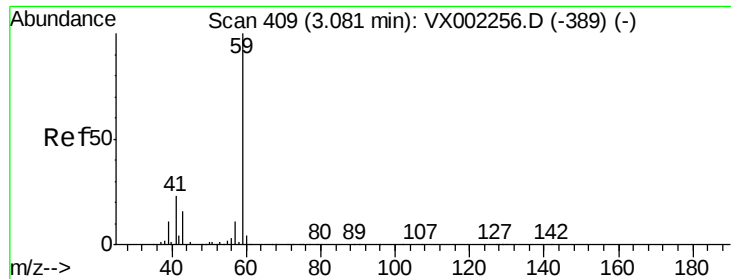


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





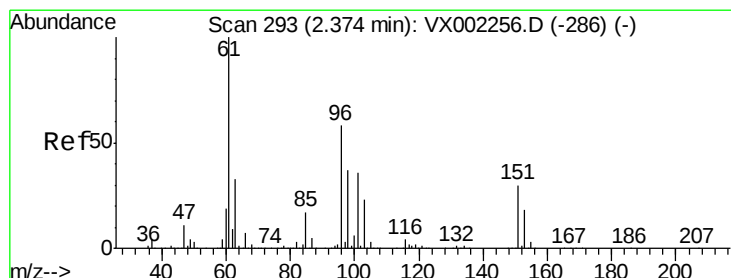
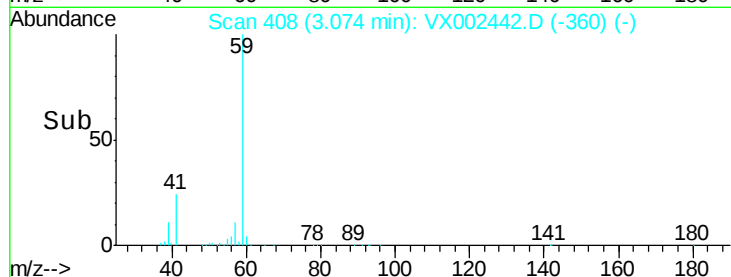
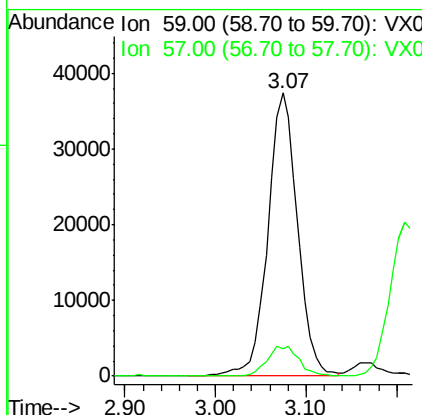
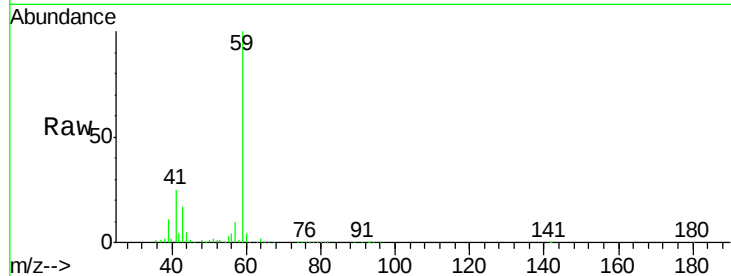
#11
Tert butyl alcohol
Concen: 93.02 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD01

Tot Ion: 59 Resp: 84822
Ion Ratio Lower Upper
59 100
57 11.5 8.2 12.2

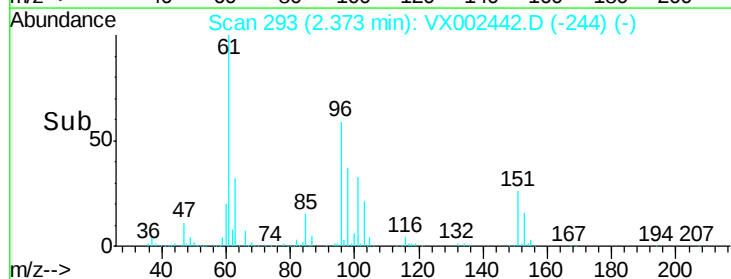
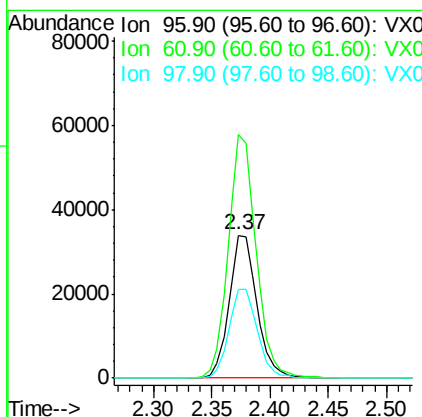
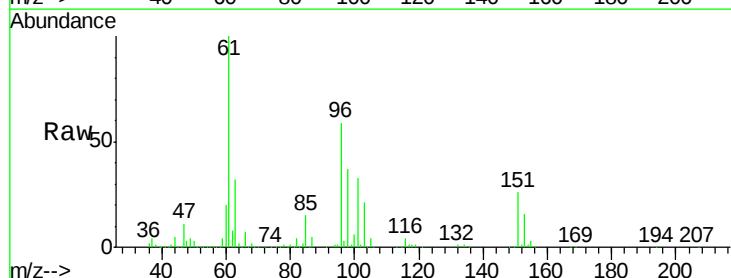
Manual Integrations
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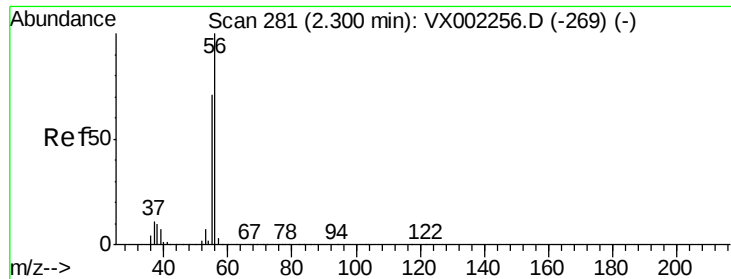
MMDadoda
6/12/2018 4:50:41 PM



#12
1,1-Dichloroethene
Concen: 19.31 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Tgt Ion: 96 Resp: 56423
Ion Ratio Lower Upper
96 100
61 170.3 137.9 206.9
98 62.2 51.6 77.4





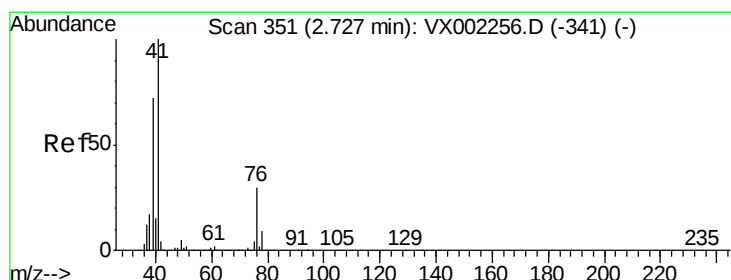
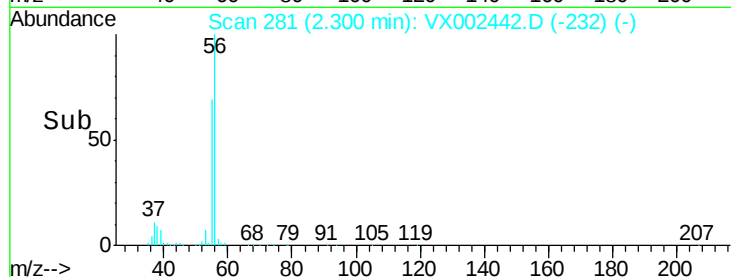
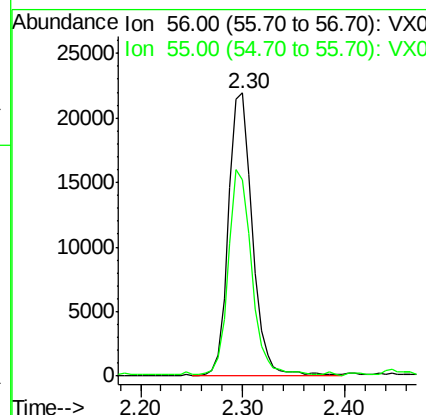
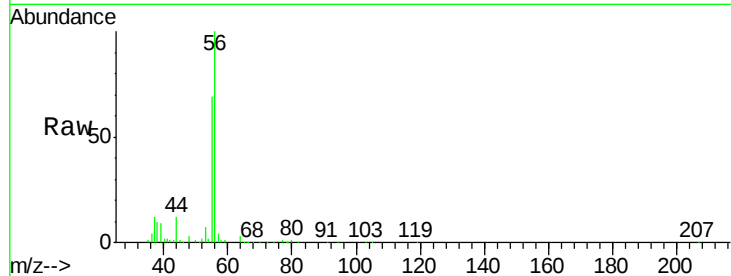
#13
Acrolein
Concen: 84.19 ug/l
RT: 2.30 min Scan# 281
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Instrument :
MSVOA_X
ClientSampleID :
VX0611WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.3	57.0	85.4

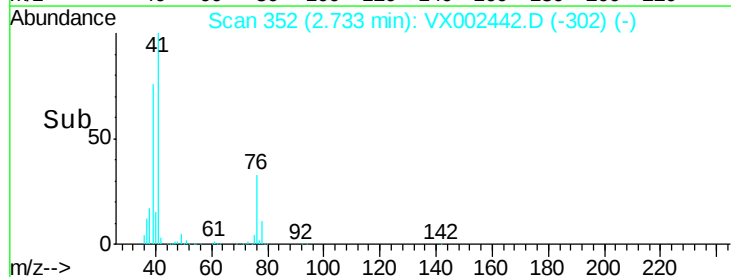
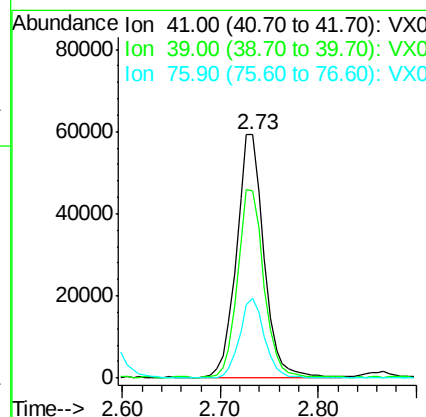
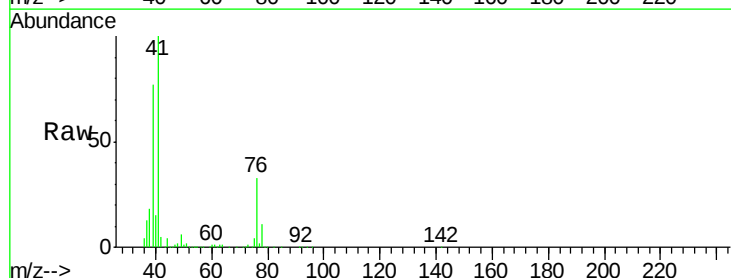
Manual Integrations
APPROVED

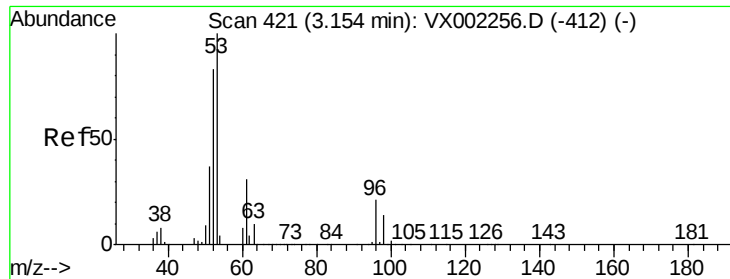
MMDadoda
6/12/2018 4:50:41 PM



#14
Allyl chloride
Concen: 18.17 ug/l
RT: 2.73 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Tgt Ion	Ratio	Lower	Upper
41	100		
39	73.6	56.8	85.2
76	30.2	23.8	35.8





#15

Acrylonitrile

Concen: 101.22 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Instrument :

MSVOA_X

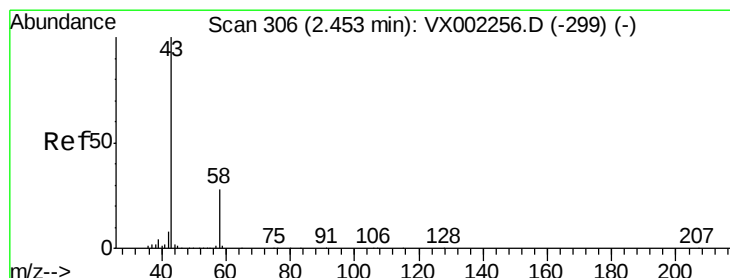
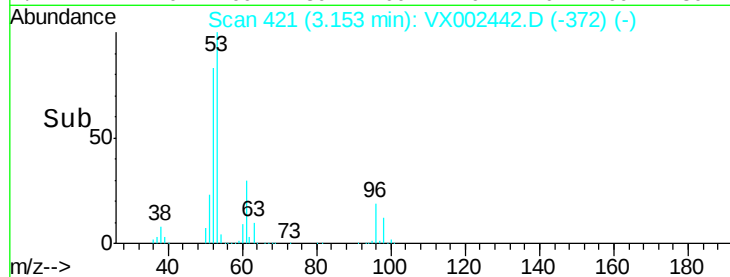
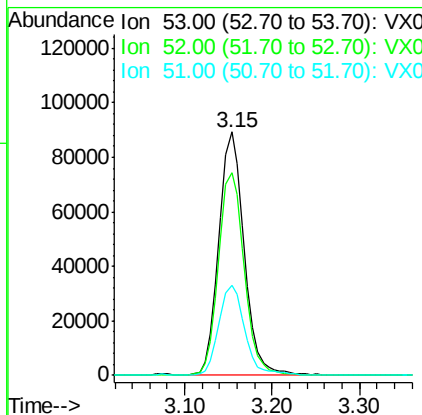
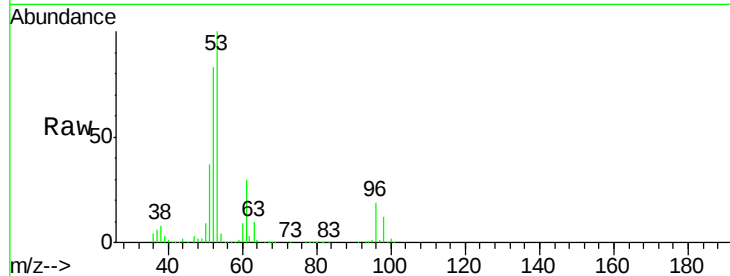
ClientSampleId :

VX0611WBSD01

Tot Ion:	53	Resp:	178707
Ion Ratio		Lower	Upper
53	100		
52	84.4	66.7	100.1
51	38.0	29.9	44.9

Manual Integrations
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6/12/2018 4:50:41 PM



#16

Acetone

Concen: 110.83 ug/l

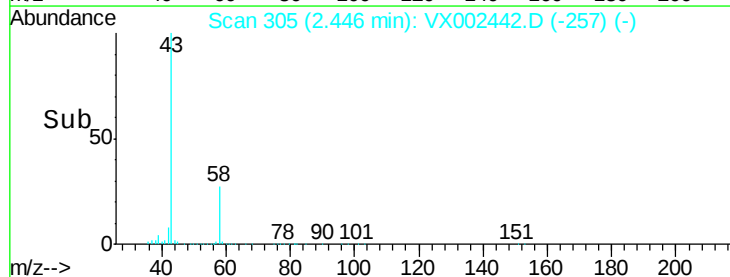
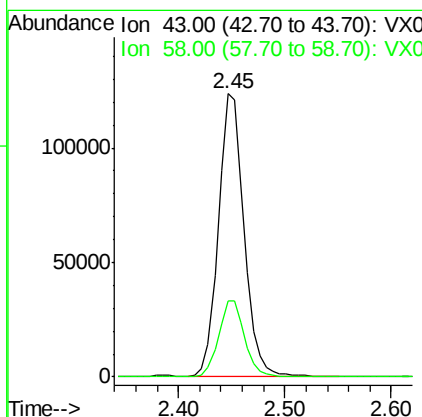
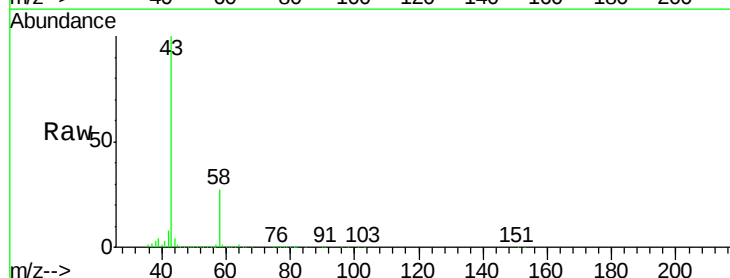
RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Tgt Ion:	43	Resp:	205096
Ion Ratio		Lower	Upper
43	100		
58	27.0	22.1	33.1





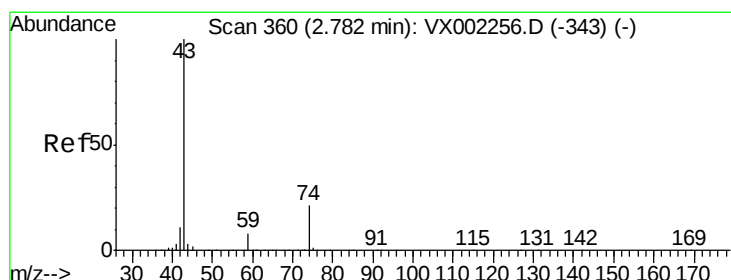
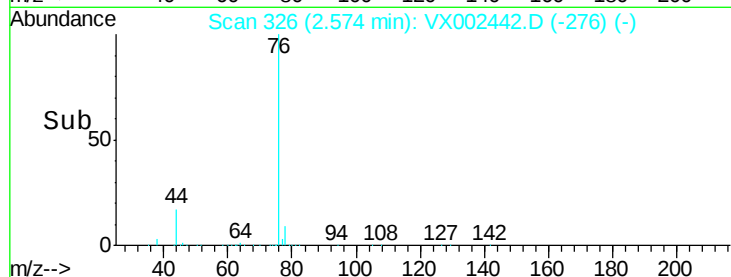
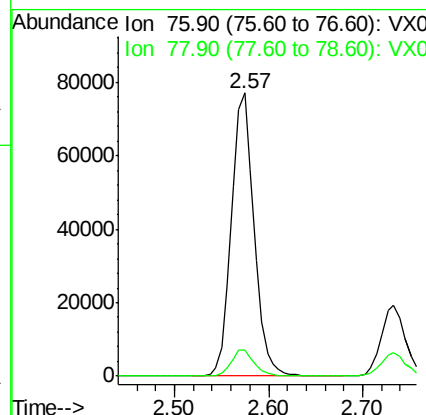
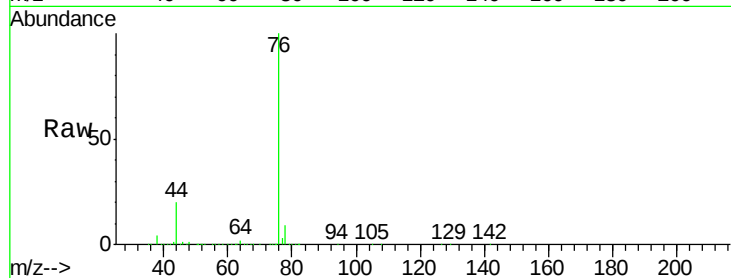
#17
Carbon Disulfide
Concen: 16.81 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.9	10.3

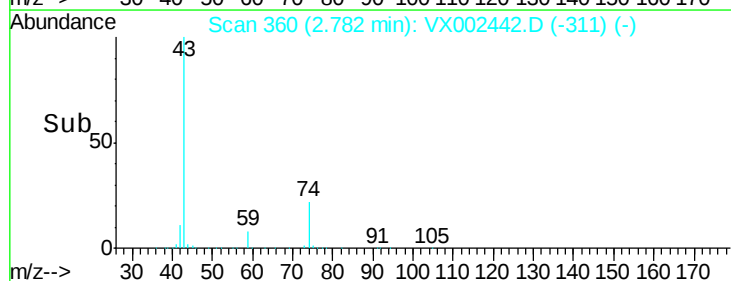
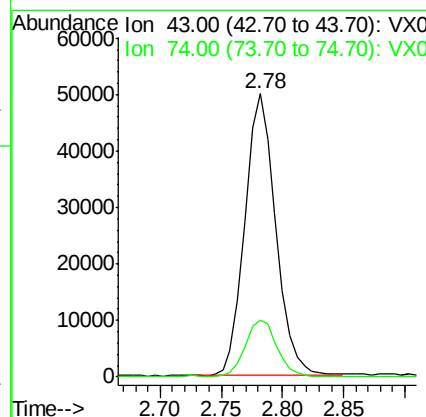
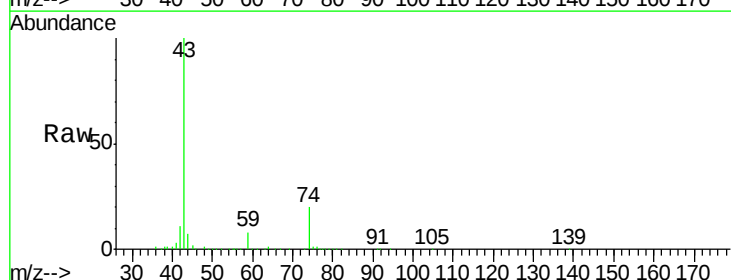
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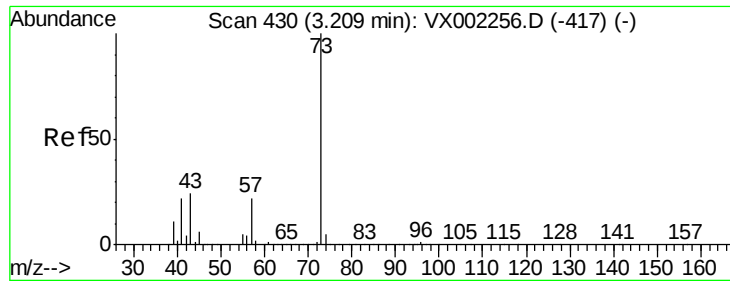
MMDadoda
6/12/2018 4:50:41 PM



#18
Methyl Acetate
Concen: 20.69 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	16.7	25.1





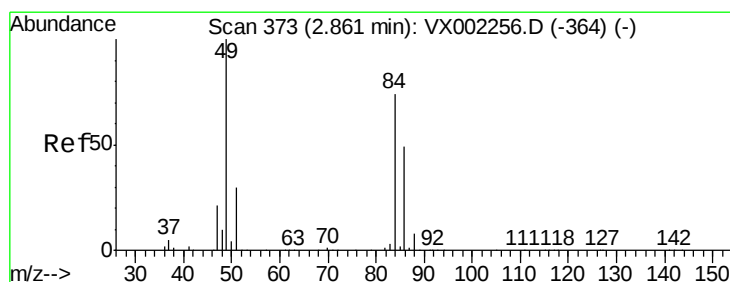
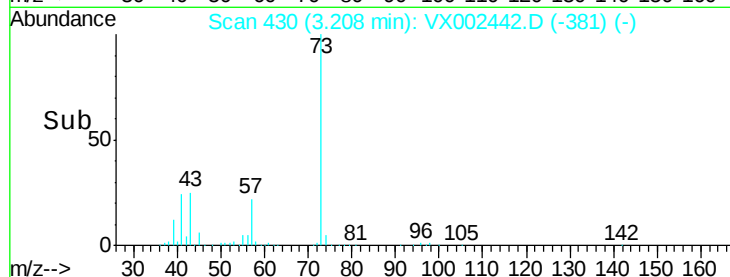
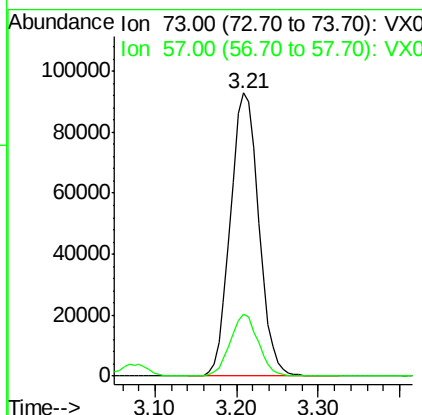
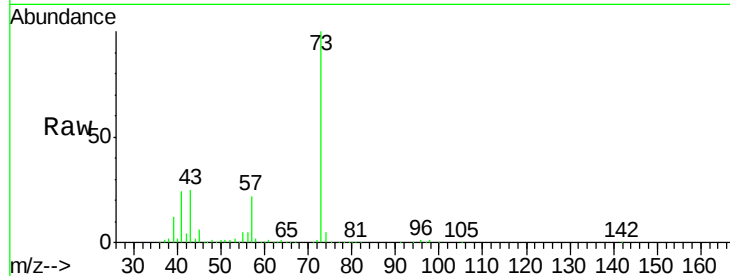
#19
Methyl tert-butyl Ether
Concen: 20.48 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.7	26.5

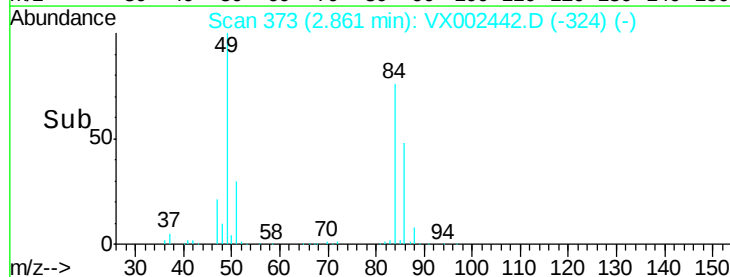
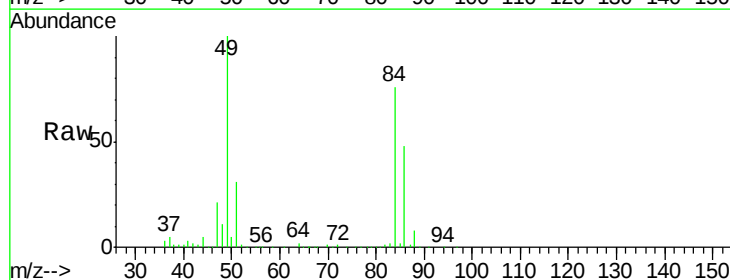
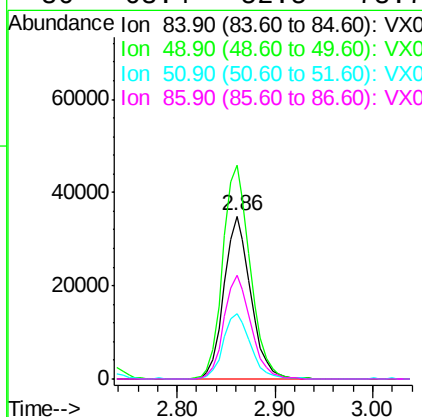
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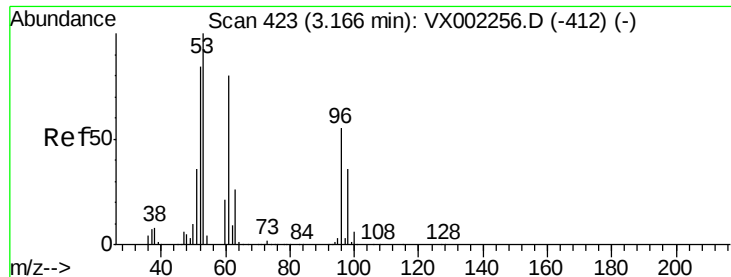
MMDadoda
6/12/2018 4:50:41 PM



#20
Methylene Chloride
Concen: 19.68 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.0	107.8	161.6
51	39.7	32.8	49.2
86	63.4	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 18.97 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Instrument :

MSVOA_X

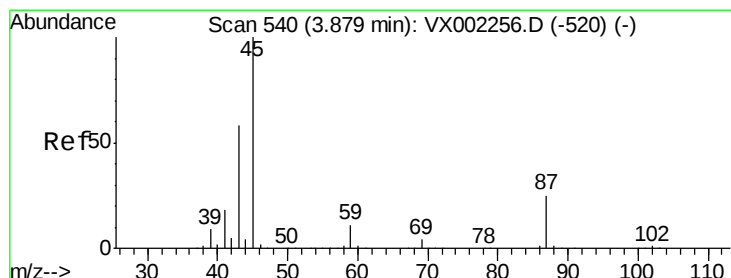
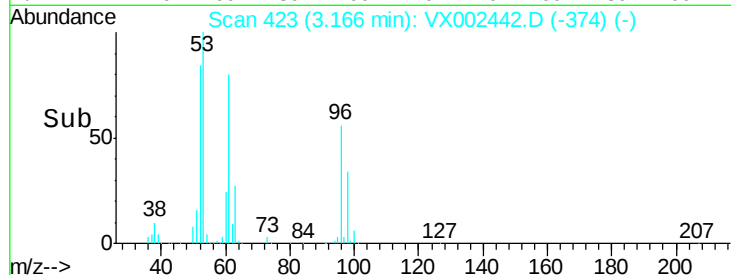
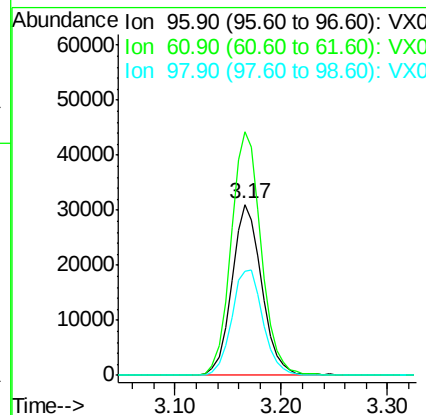
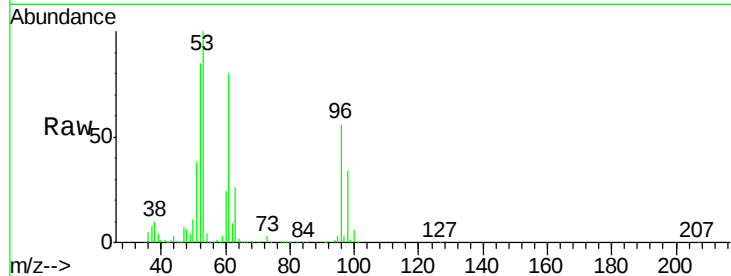
ClientSampleId :

VX0611WBSD01

Tot Ion:	96	Resp:	61130
Ion	Ratio	Lower	Upper
96	100		
61	141.9	117.0	175.4
98	60.8	52.4	78.6

Manual Integrations
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6/12/2018 4:50:41 PM



#22

Diisopropyl ether

Concen: 18.47 ug/l

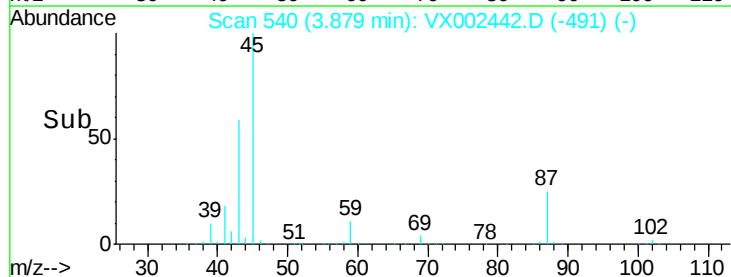
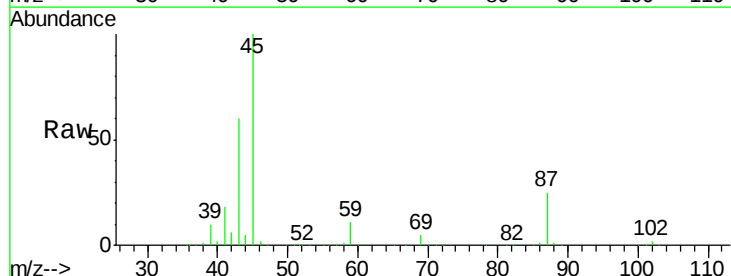
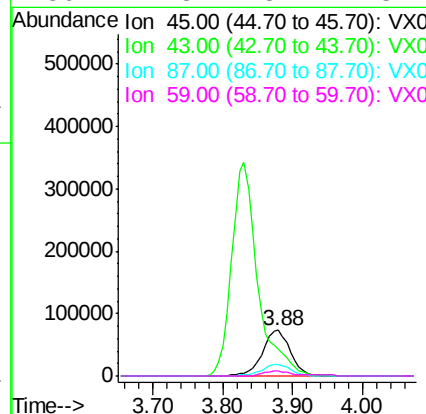
RT: 3.88 min Scan# 540

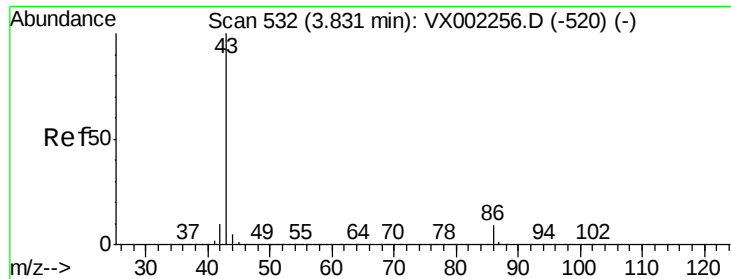
Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Tgt Ion:	45	Resp:	205577
Ion	Ratio	Lower	Upper
45	100		
43	59.3	46.8	70.2
87	25.0	20.2	30.4
59	11.3	8.7	13.1





#23

Vinyl Acetate

Concen: 86.54 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBSD01

Tot Ion: 43 Resp: 889549

Ion Ratio Lower Upper

43 100

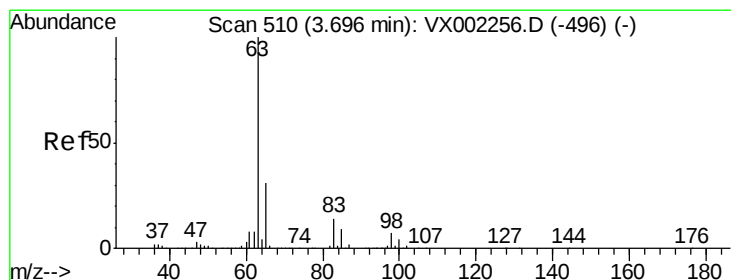
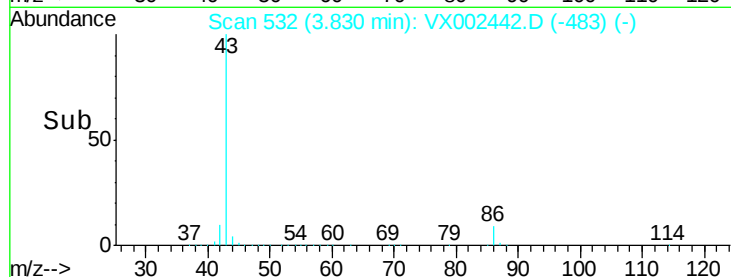
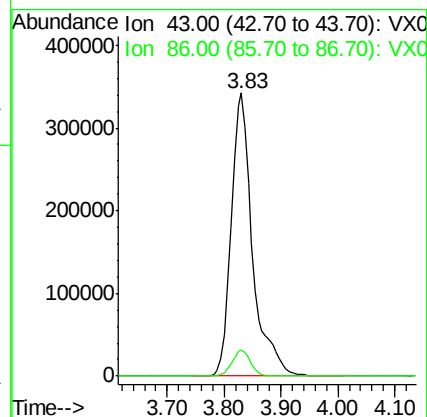
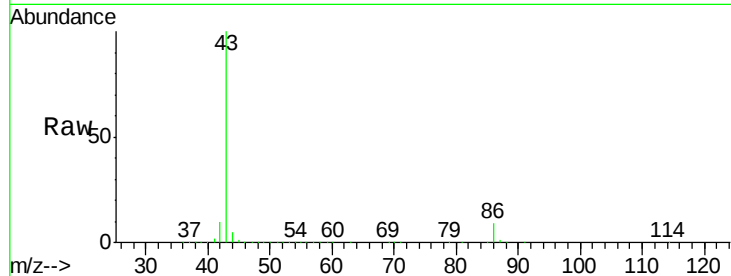
86 9.3 7.4 11.0

Manual Integrations

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6/12/2018 4:50:41 PM



#24

1,1-Dichloroethane

Concen: 19.67 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

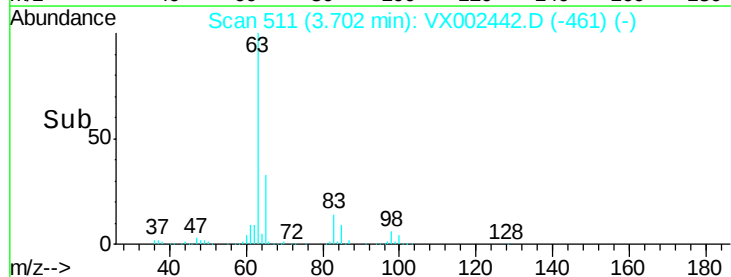
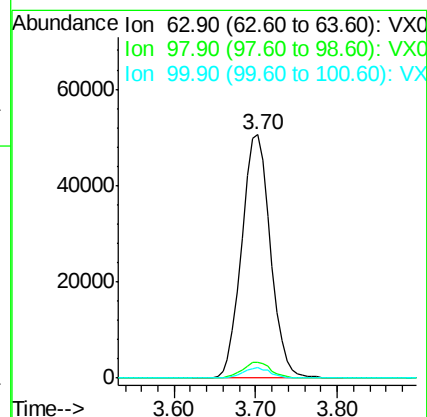
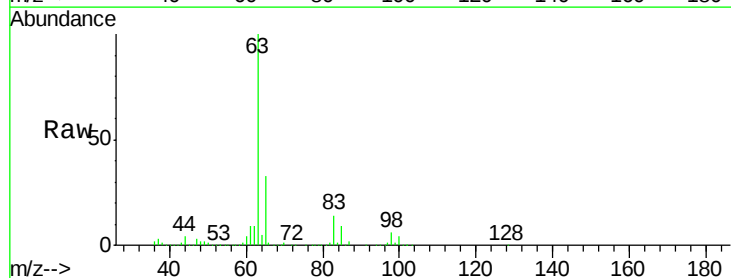
Tgt Ion: 63 Resp: 123276

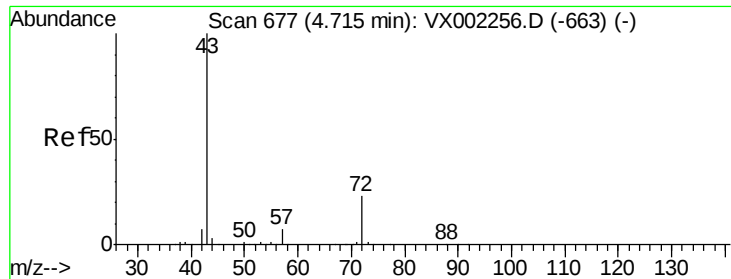
Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 91.86 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBSD01

Tot Ion: 43 Resp: 247198

Ion Ratio Lower Upper

43 100

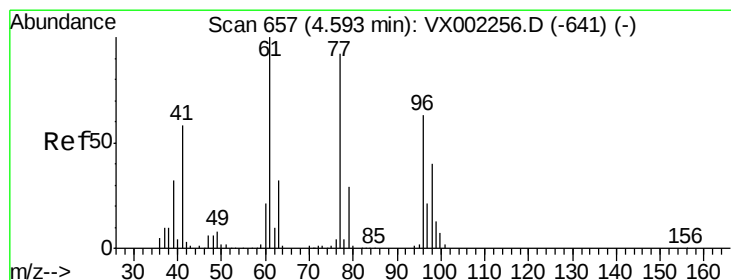
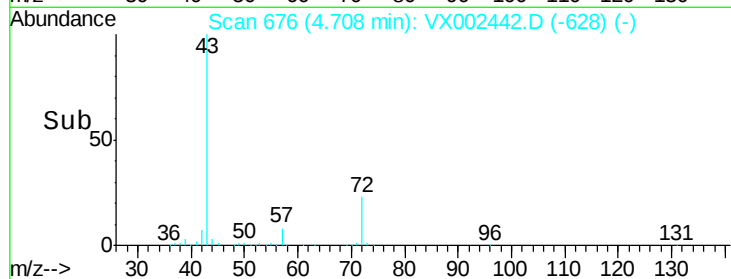
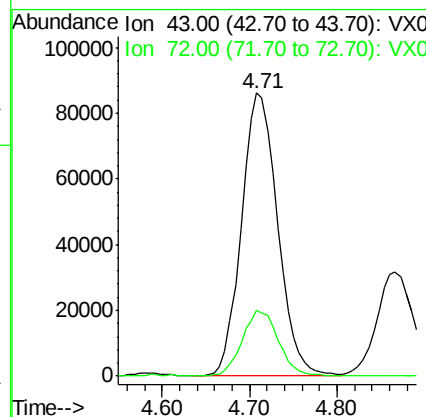
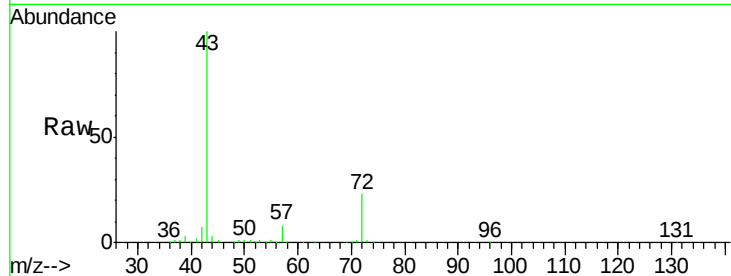
72 23.4 18.5 27.7

Manual Integrations

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6/12/2018 4:50:41 PM



#26

2,2-Dichloropropane

Concen: 17.64 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX002442.D

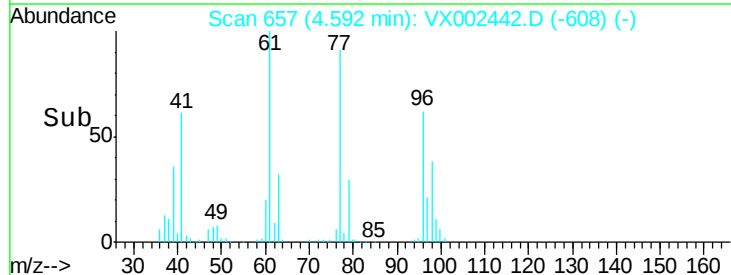
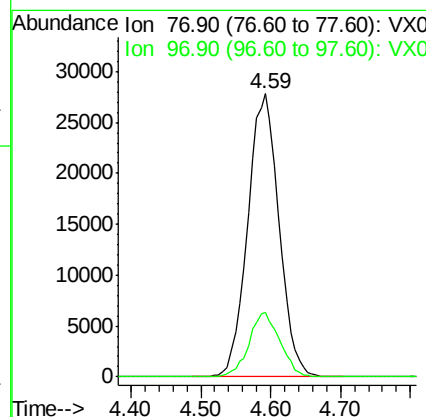
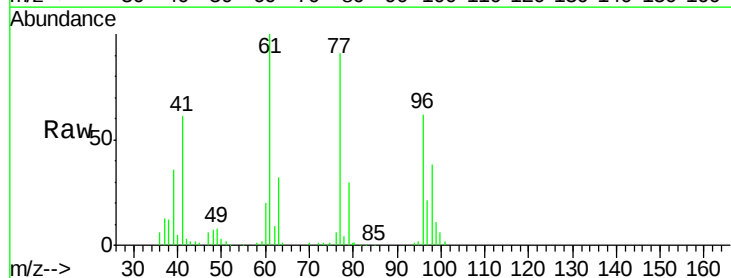
Acq: 11 Jun 2018 14:55

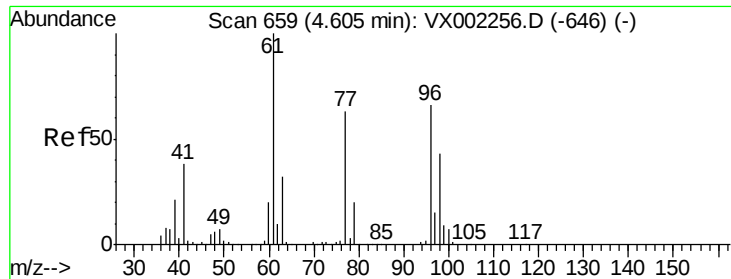
Tgt Ion: 77 Resp: 86421

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 17.53 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX002442.D

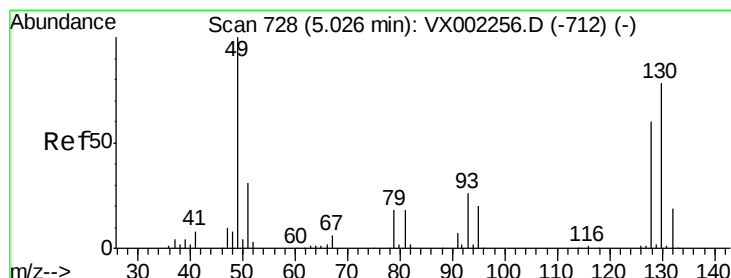
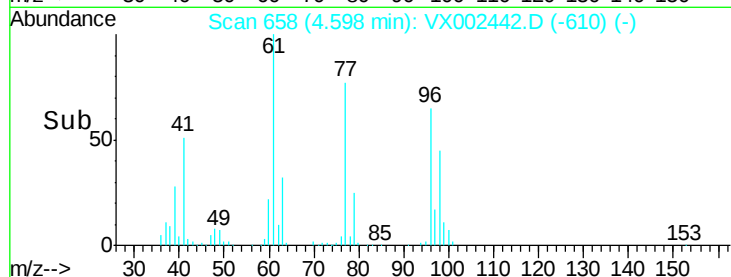
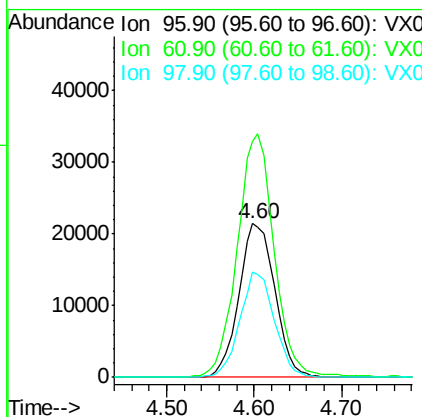
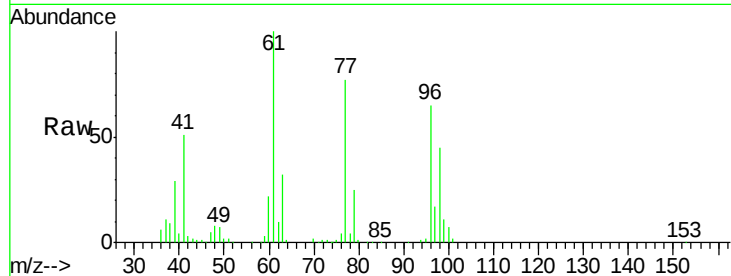
Acq: 11 Jun 2018 14:55

Tot Ion:	96	Resp:	61423
Ion	Ratio	Lower	Upper
96	100		
61	161.9	0.0	330.2
98	66.0	0.0	130.2

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD01

Manual Integrations
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#28

Bromochloromethane

Concen: 21.89 ug/l

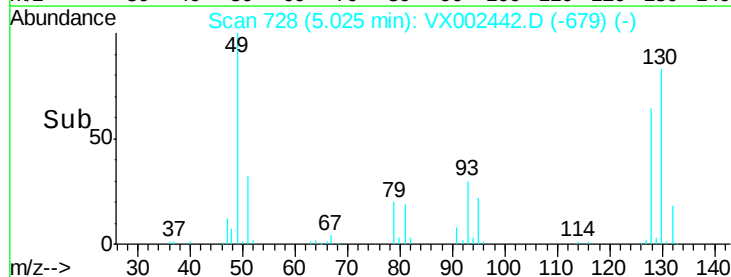
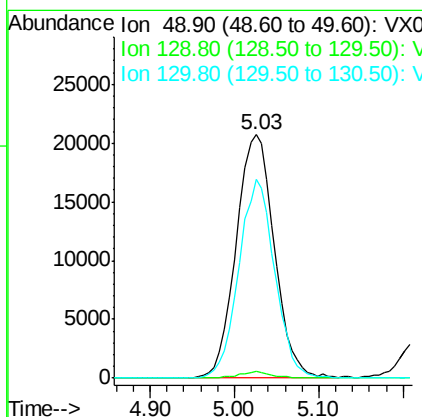
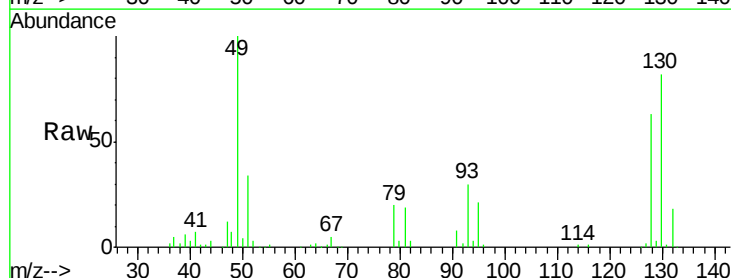
RT: 5.03 min Scan# 728

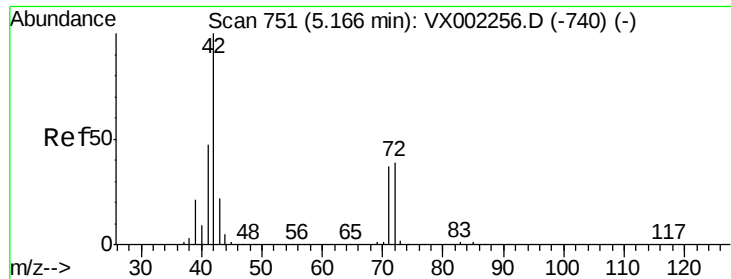
Delta R.T. 0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Tgt Ion:	49	Resp:	63681
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	76.8	61.2	91.8





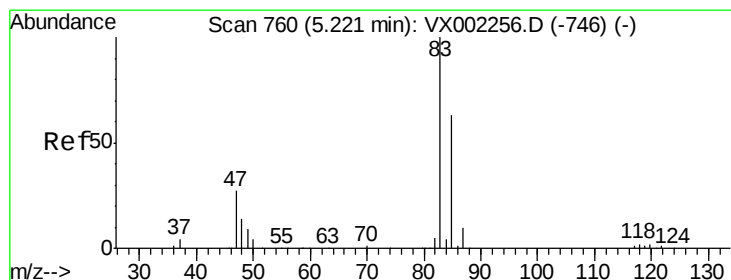
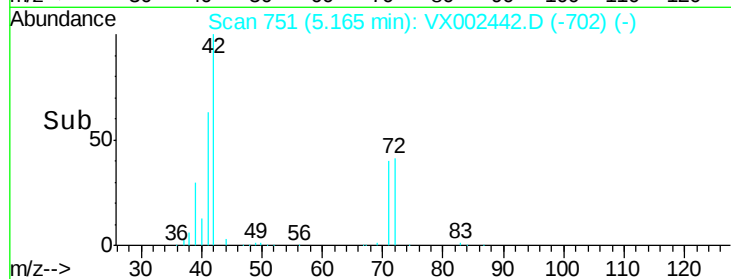
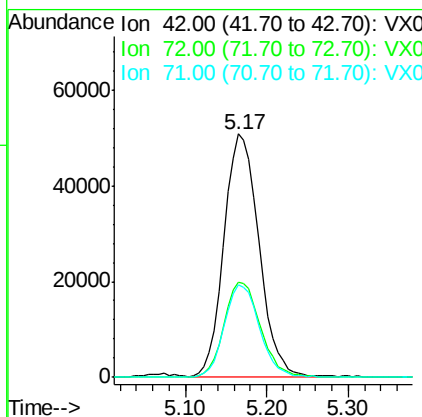
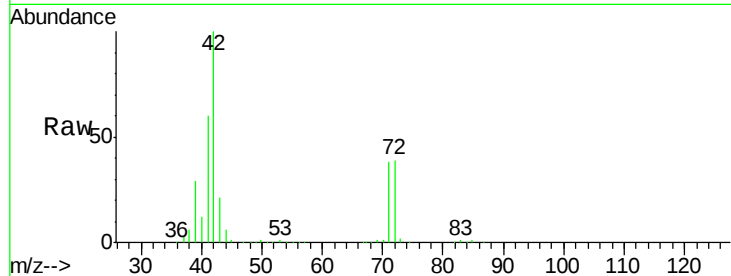
#29
Tetrahydrofuran
Concen: 86.80 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.0	48.0
71	38.2	30.1	45.1

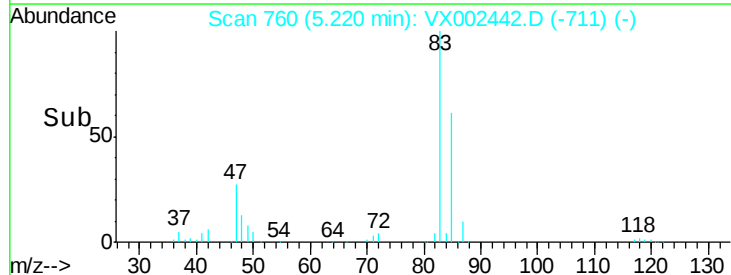
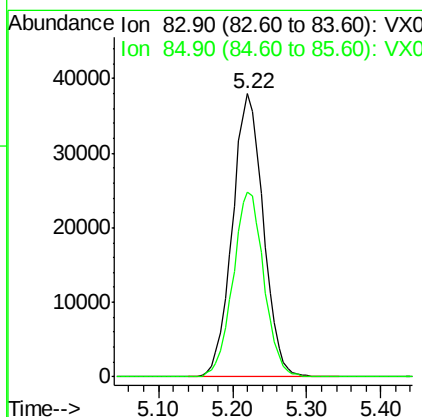
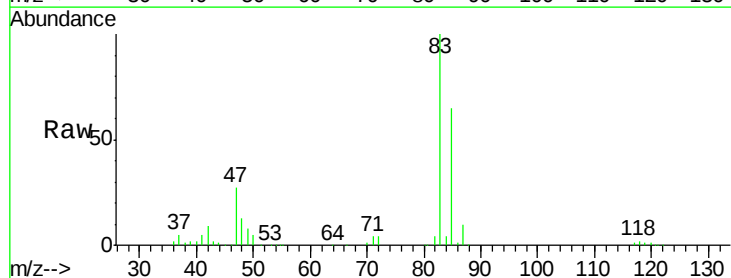
Manual Integrations
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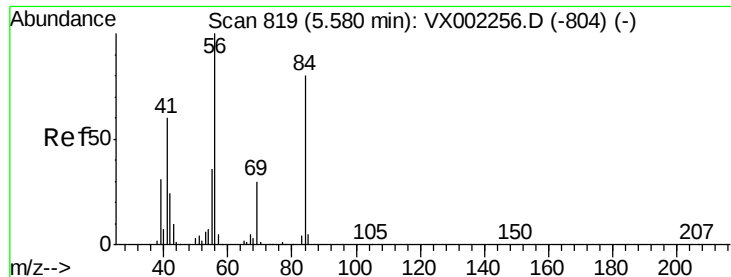
MMDadoda
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#30
Chloroform
Concen: 18.28 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.4	75.6





#31

Cyclohexane

Concen: 18.18 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Instrument :

MSVOA_X

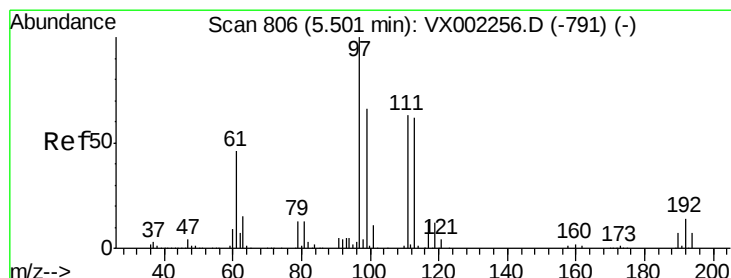
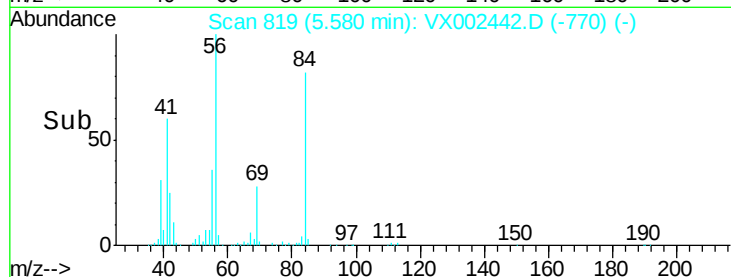
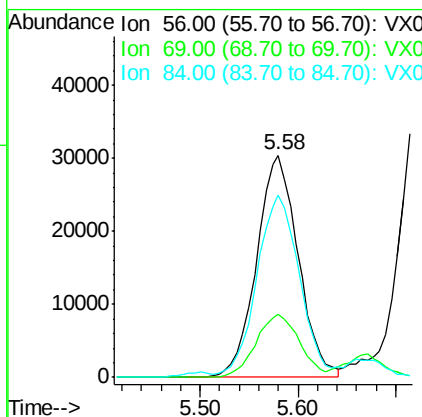
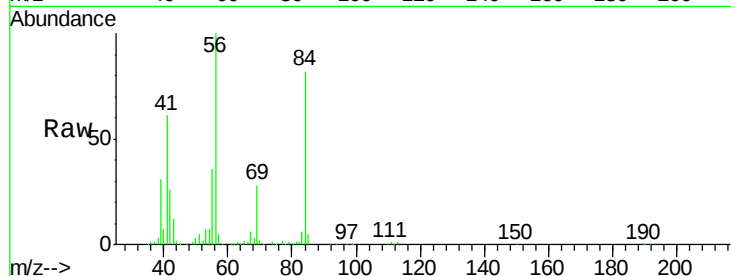
ClientSampleId :

VX0611WBSD01

Tot Ion:	56	Resp:	90089
Ion	Ratio	Lower	Upper
56	100		
69	28.2	23.7	35.5
84	79.5	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.59 ug/l

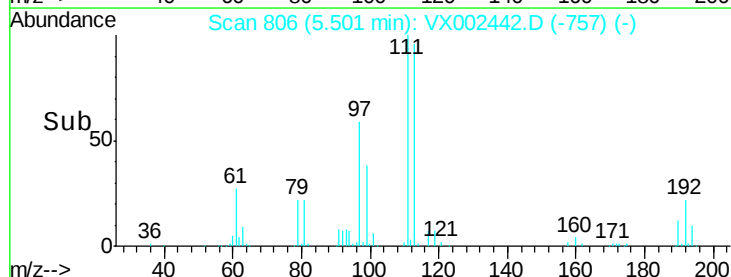
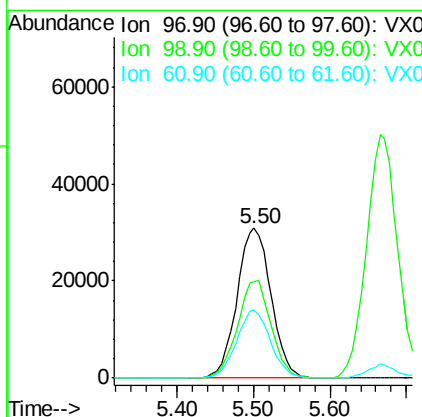
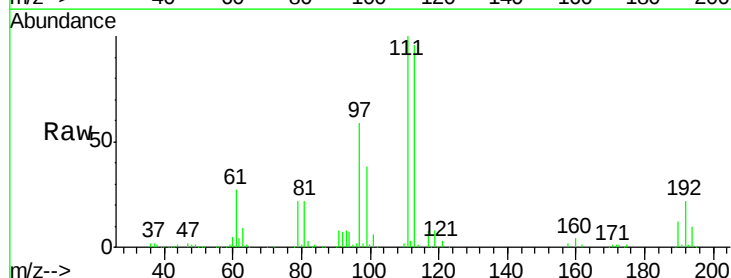
RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Tgt Ion:	97	Resp:	95353
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	45.1	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 51.61 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Tot Ion: 65 Resp: 202126

Ion Ratio Lower Upper

65 100

67 51.4 0.0 102.6

Instrument :

MSVOA_X

ClientSampleId :

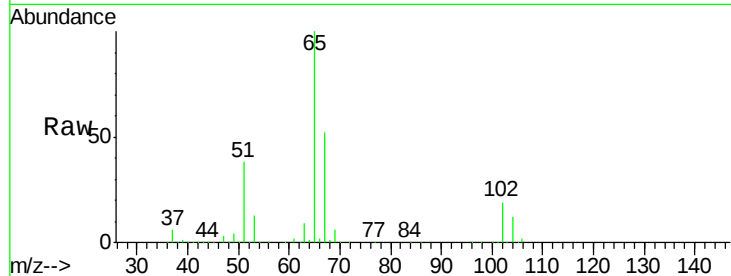
VX0611WBSD01

Manual Integrations

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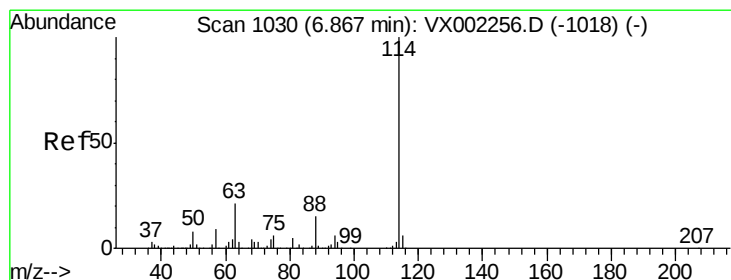
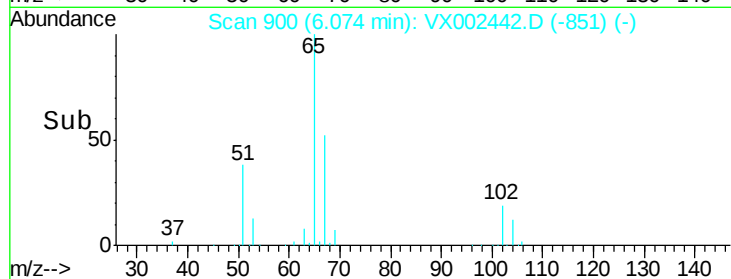
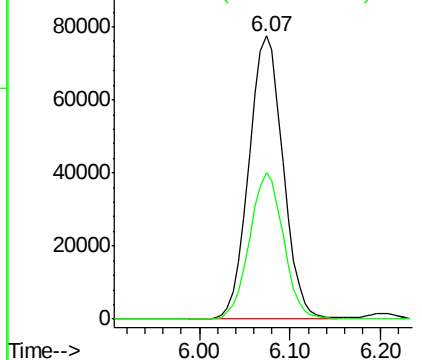
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

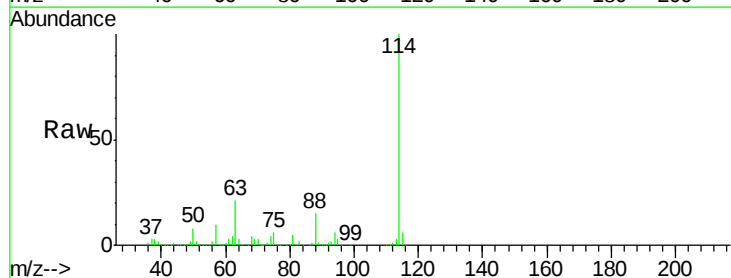
Tgt Ion:114 Resp: 401059

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.4

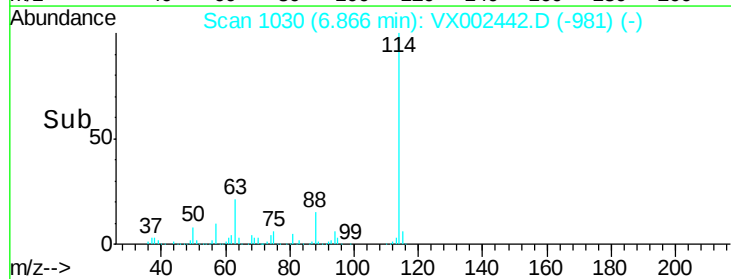
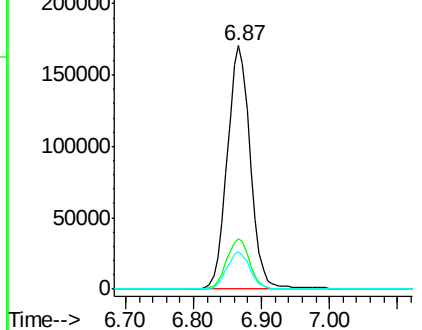
88 15.4 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.44 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Instrument :

MSVOA_X

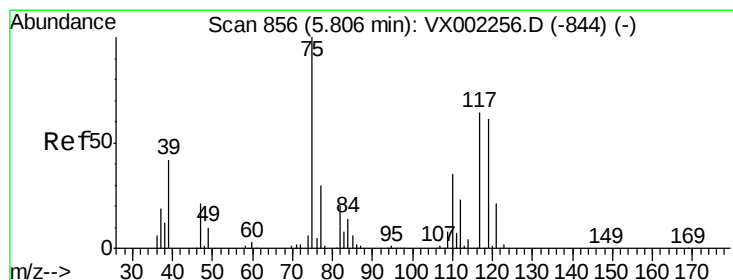
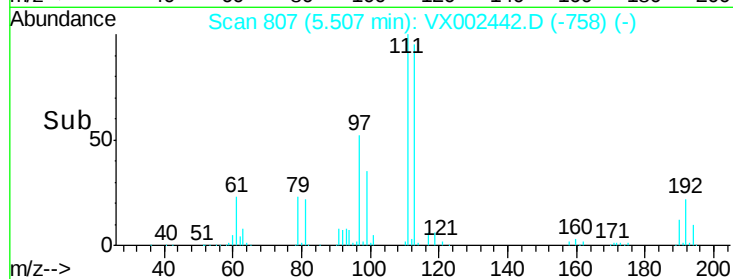
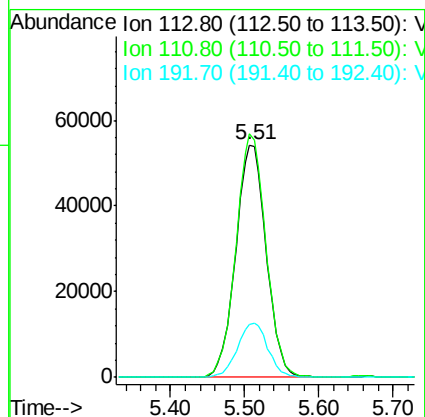
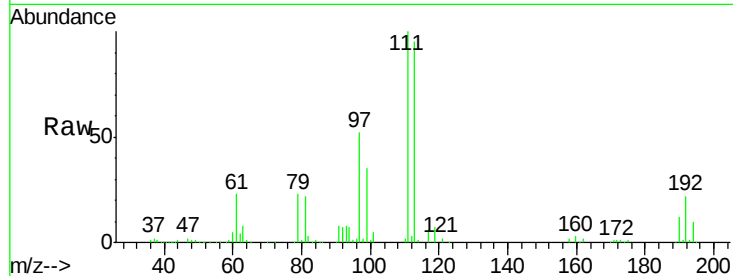
ClientSampleId :

VX0611WBSD01

Tot Ion:	113	Resp:	155932
Ion Ratio	Lower	Upper	
113	100		
111	102.7	81.4	122.0
192	23.3	19.1	28.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.42 ug/l

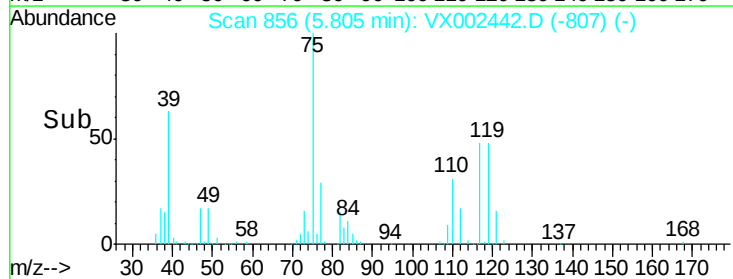
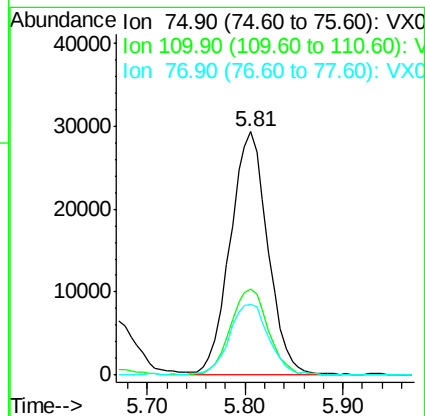
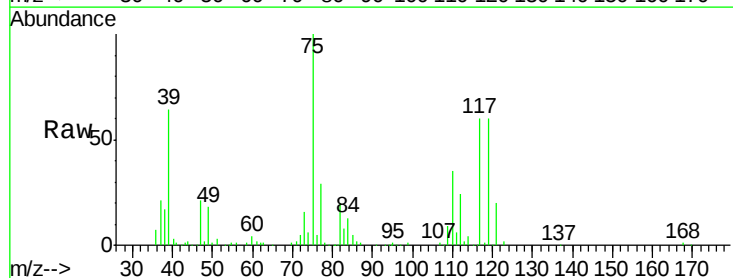
RT: 5.81 min Scan# 856

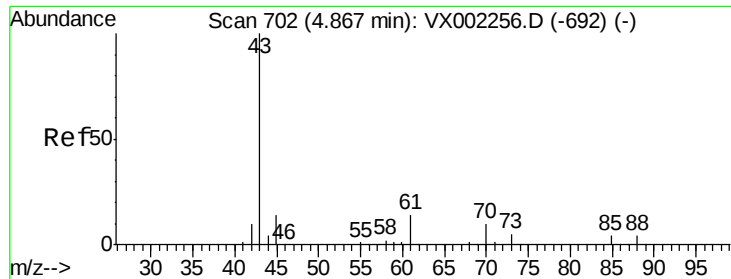
Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Tgt Ion:	75	Resp:	77668
Ion Ratio	Lower	Upper	
75	100		
110	36.2	18.1	54.4
77	31.2	24.3	36.5





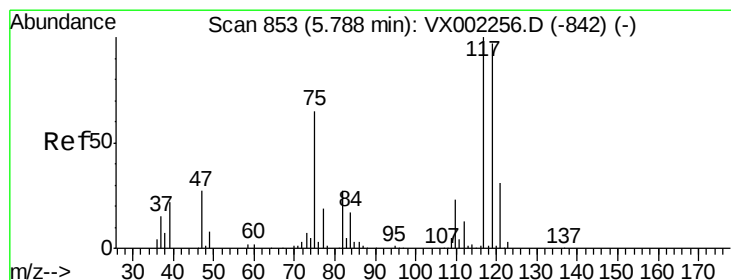
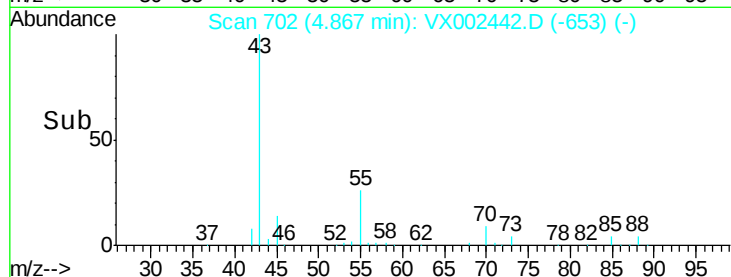
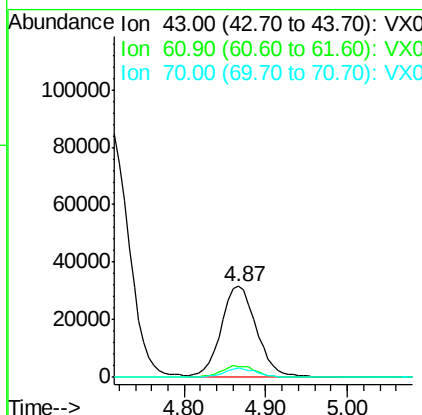
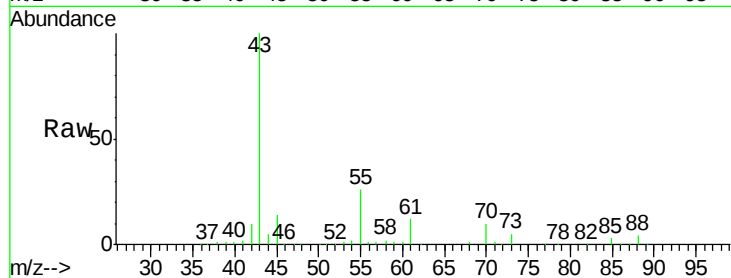
#37
Ethyl Acetate
Concen: 18.65 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.4	15.6
70	9.3	7.6	11.4

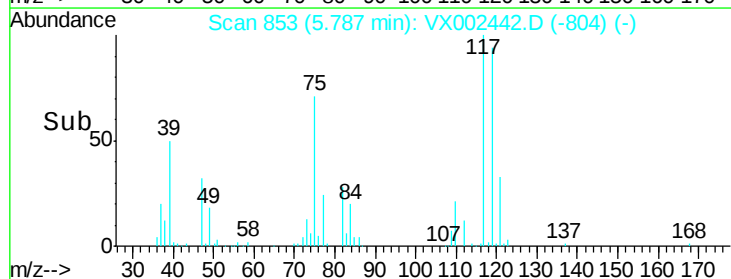
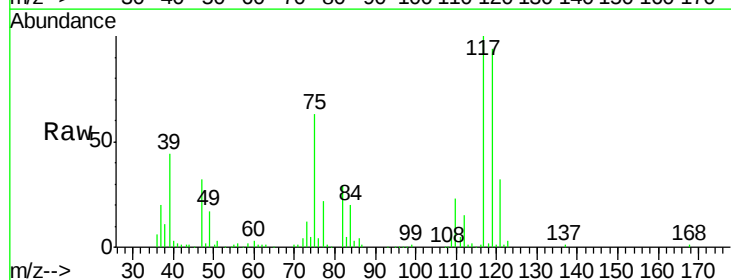
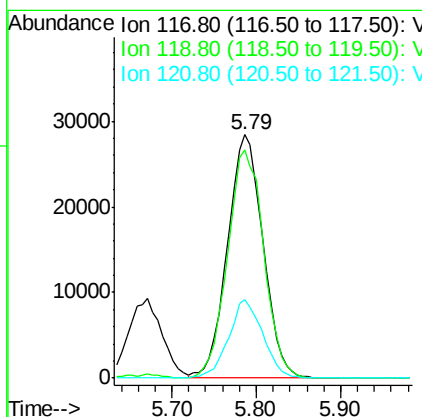
Manual Integrations
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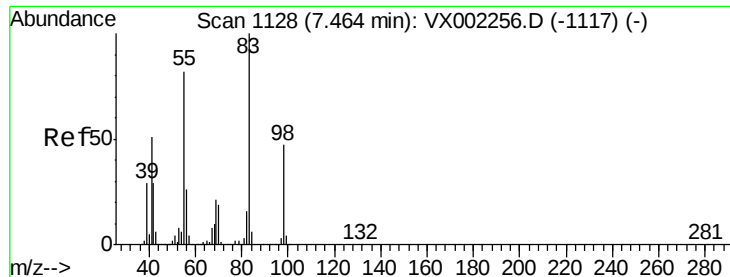
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.44 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	77.4	116.0
121	32.4	24.4	36.6





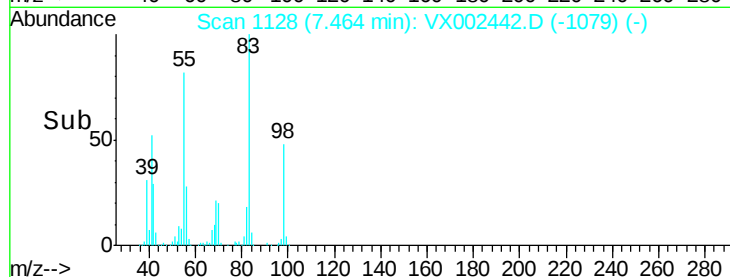
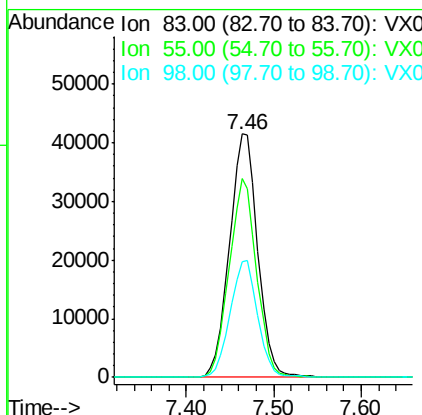
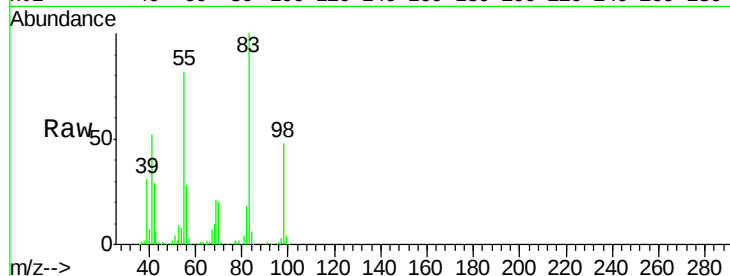
#39
Methvlcvclohexane
Concen: 18.07 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.4	65.4	98.0
98	47.6	37.4	56.0

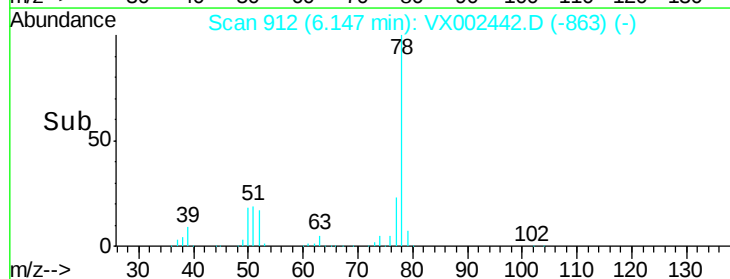
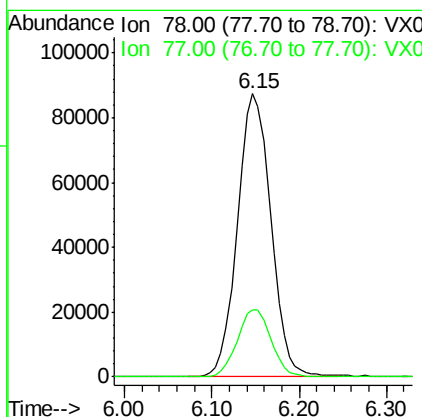
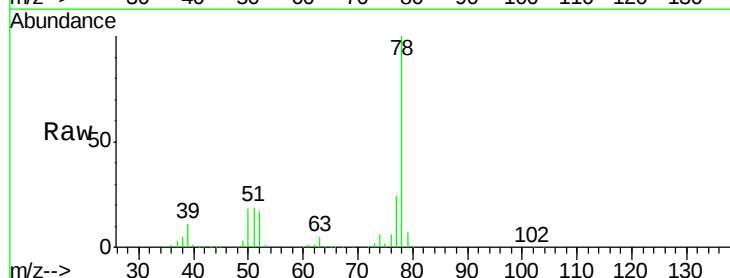
Manual Integrations
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#40
Benzene
Concen: 18.03 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7





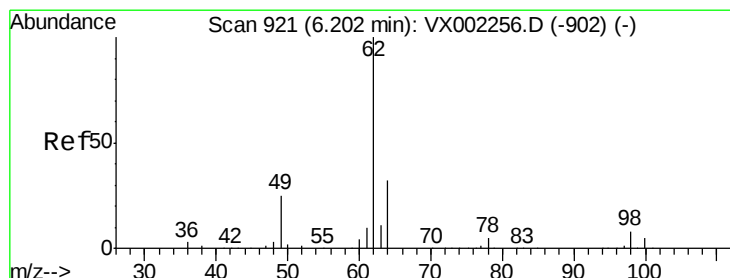
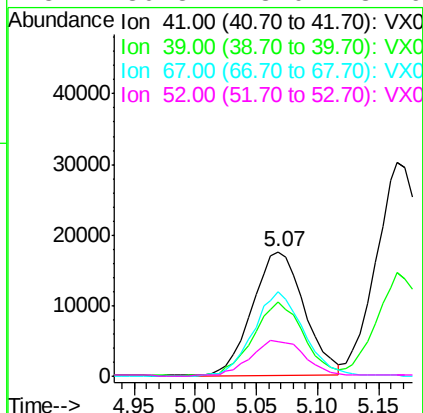
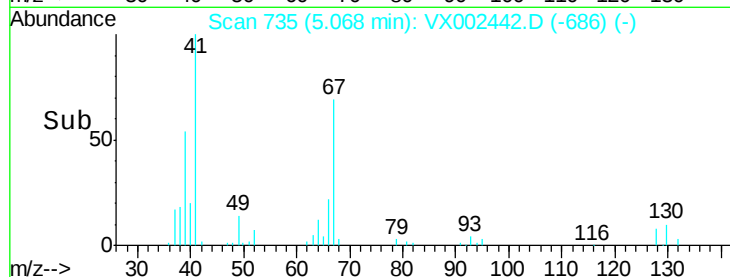
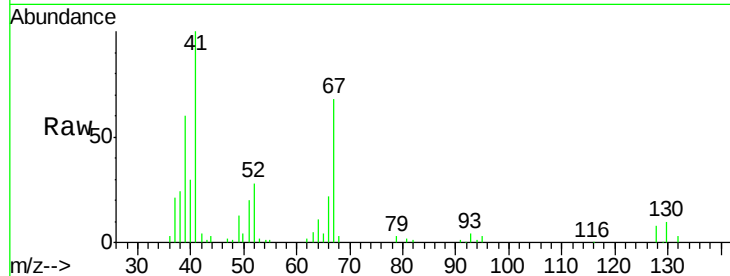
#41
Methacrylonitrile
Concen: 17.95 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD01

Tot Ion:	41	Resp:	52112
Ion	Ratio	Lower	Upper
41	100		
39	57.0	45.8	68.6
67	65.7	51.3	76.9
52	30.8	23.0	34.6

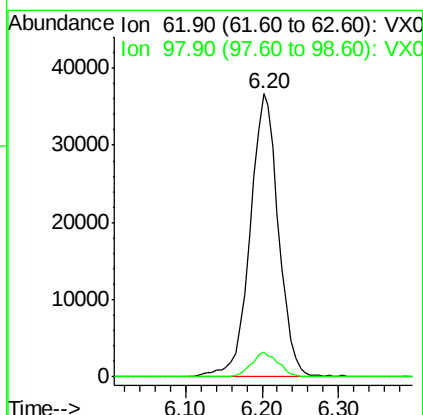
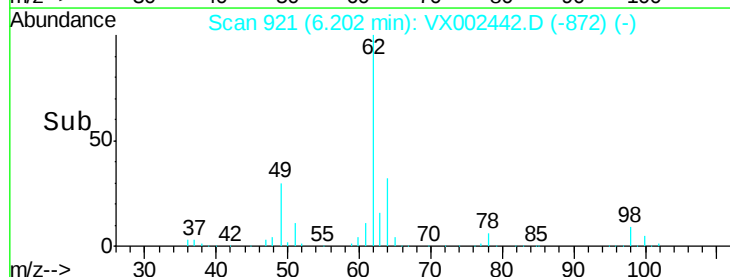
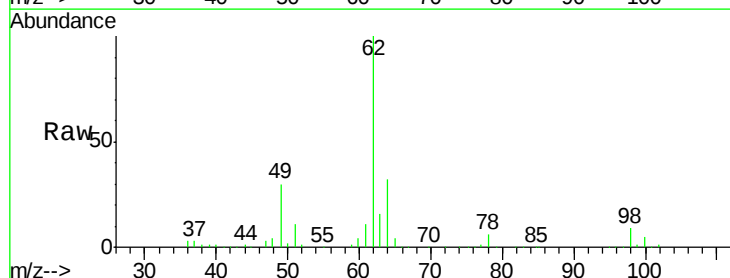
Manual Integrations
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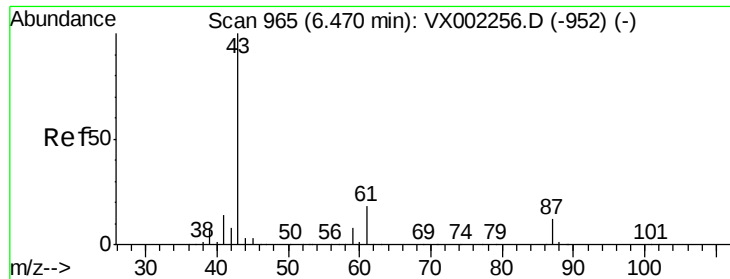
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#42
1,2-Dichloroethane
Concen: 18.47 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Tgt Ion:	62	Resp:	94851
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.6





#43

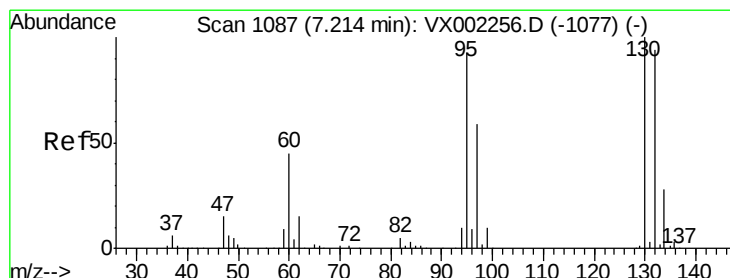
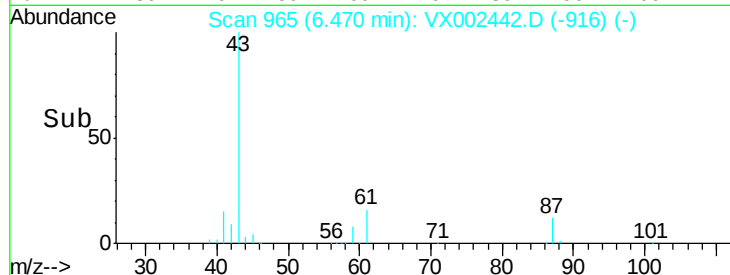
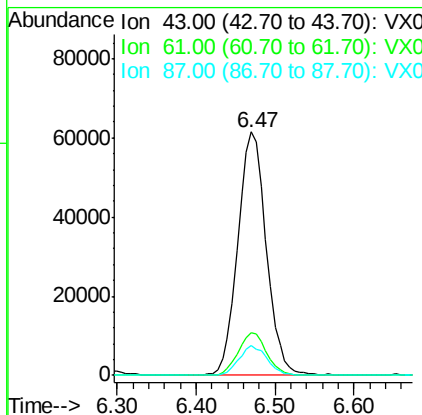
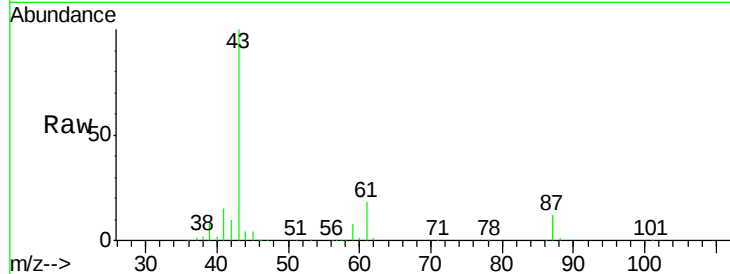
Isopropyl Acetate
 Concen: 17.84 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VX002442.D
 Acq: 11 Jun 2018 14:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0611WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.4	21.6
87	12.0	9.5	14.3

Manual Integrations
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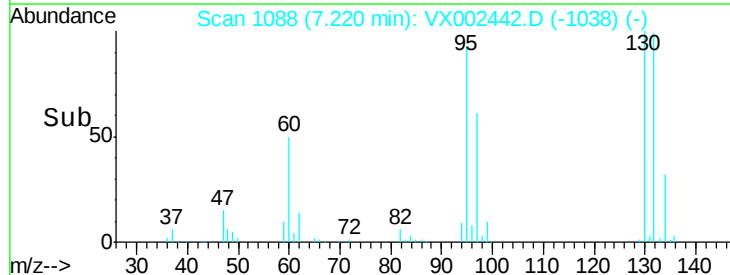
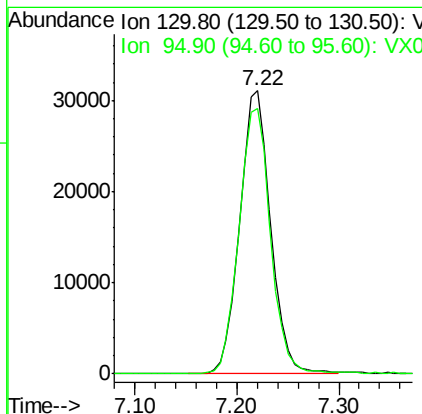
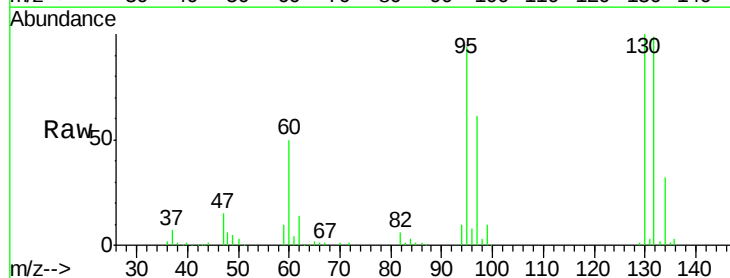
MMDadoda
 6/12/2018 4:50:41 PM

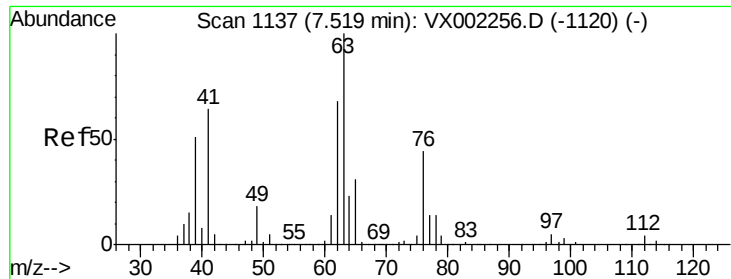


#44

Trichloroethene
 Concen: 18.22 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX002442.D
 Acq: 11 Jun 2018 14:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	185.4





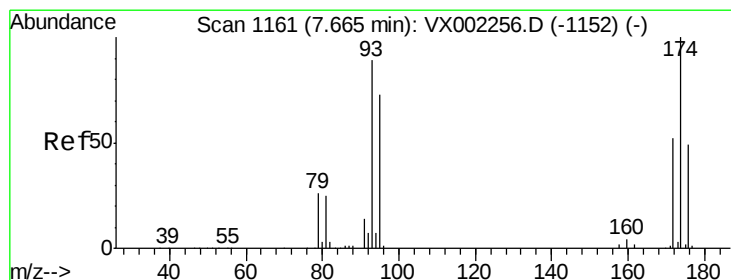
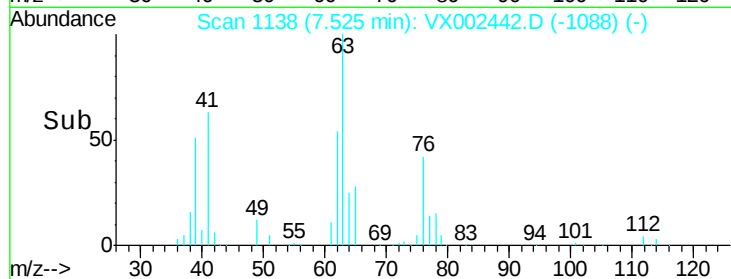
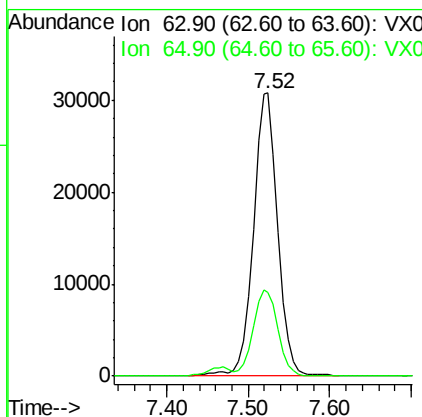
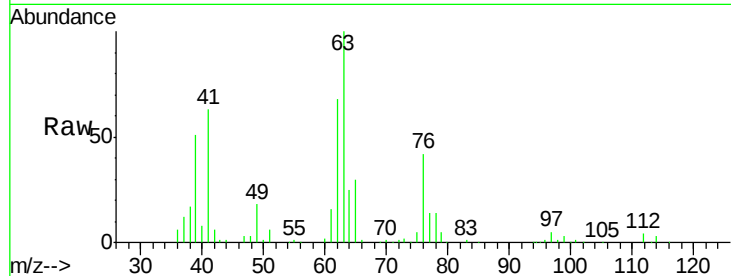
#45
 1,2-Dichloropropane
 Concen: 18.41 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VX002442.D
 Acq: 11 Jun 2018 14:55

Instrument :
 MSVOA_X
 ClientSampled :
 VX0611WBSD01

Tot Ion: 63 Resp: 64247
 Ion Ratio Lower Upper
 63 100
 65 29.4 24.7 37.1

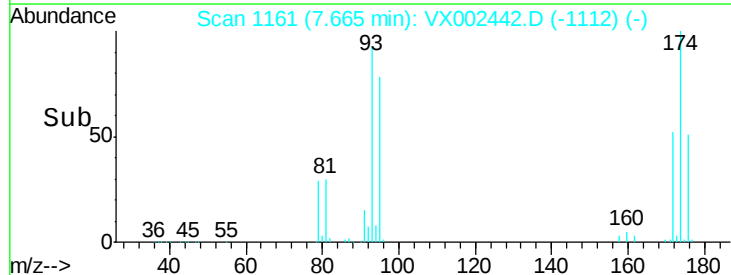
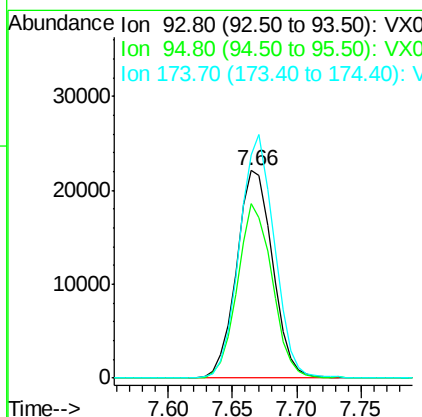
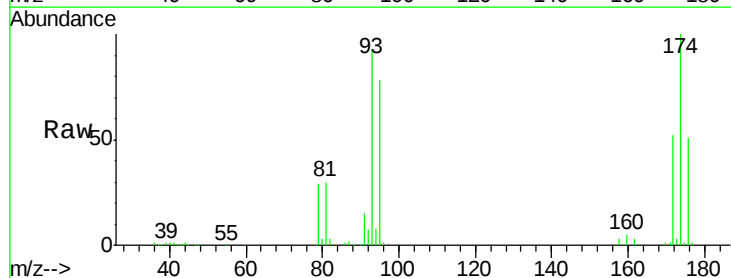
Manual Integrations
 APPROVED

MMDadoda
 6/12/2018 4:50:41 PM



#46
 Dibromomethane
 Concen: 18.15 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002442.D
 Acq: 11 Jun 2018 14:55

Tgt Ion: 93 Resp: 42943
 Ion Ratio Lower Upper
 93 100
 95 81.1 65.9 98.9
 174 113.1 92.4 138.6





#47

Bromodichloromethane

Concen: 18.14 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Instrument :

MSVOA_X

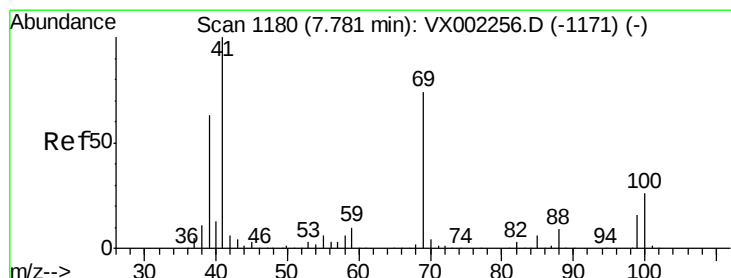
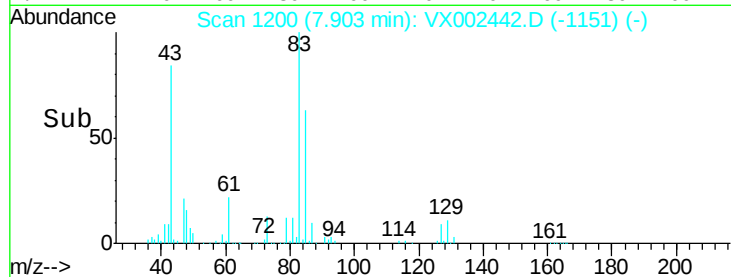
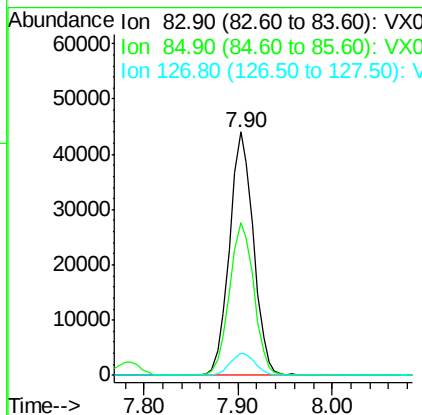
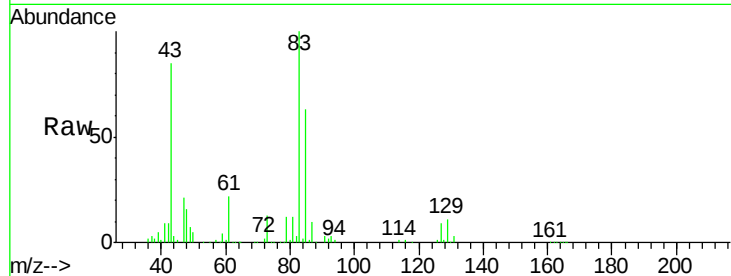
ClientSampleId :

VX0611WBSD01

Tot Ion:	83	Resp:	77602
Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.3	75.5
127	9.1	7.0	10.4

Manual Integrations
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MMDadoda
6/12/2018 4:50:41 PM



#48

Methyl methacrylate

Concen: 18.11 ug/l

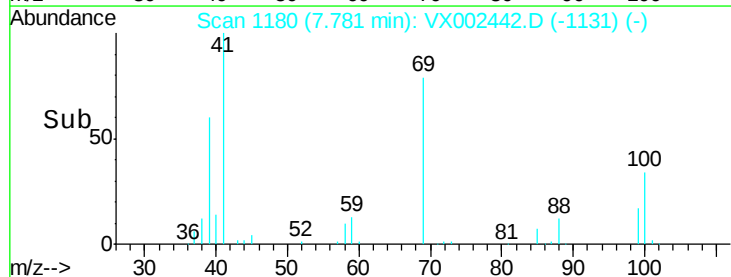
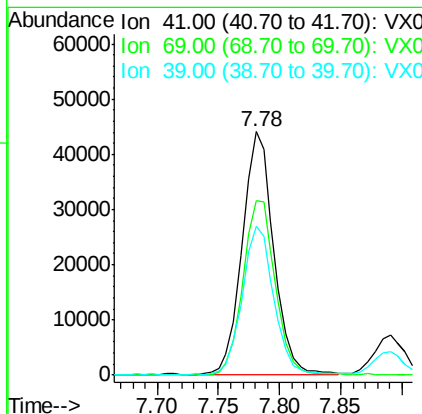
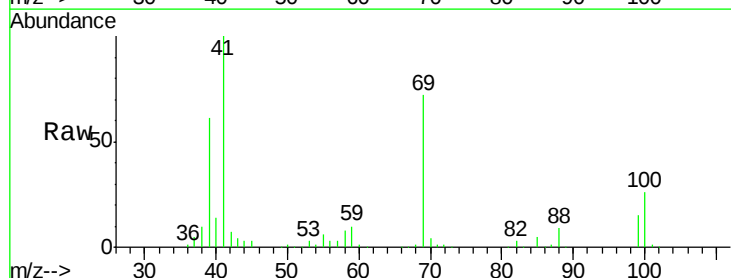
RT: 7.78 min Scan# 1180

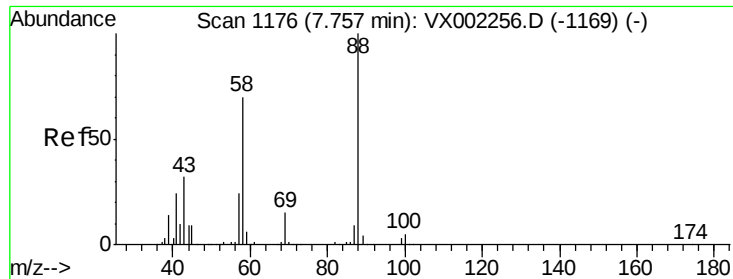
Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Tgt Ion:	41	Resp:	78347
Ion	Ratio	Lower	Upper
41	100		
69	74.4	59.1	88.7
39	60.8	48.9	73.3





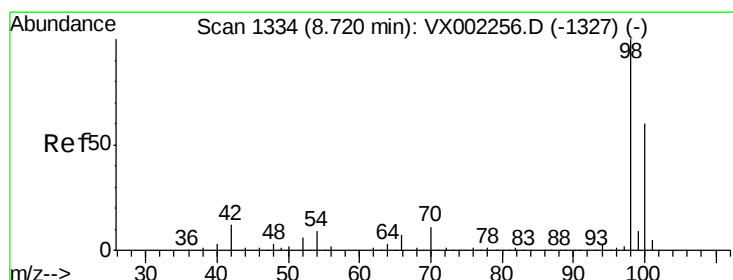
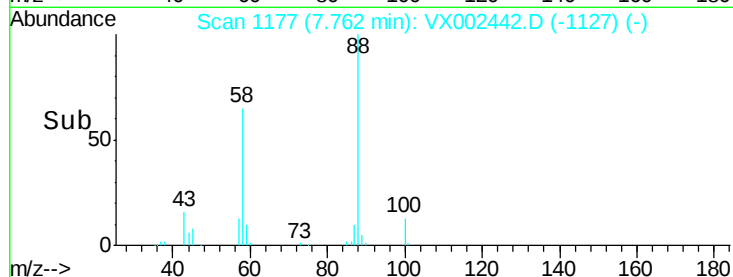
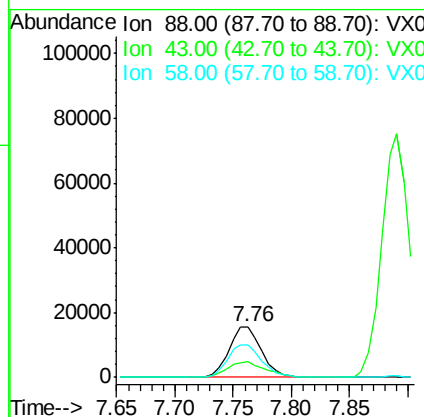
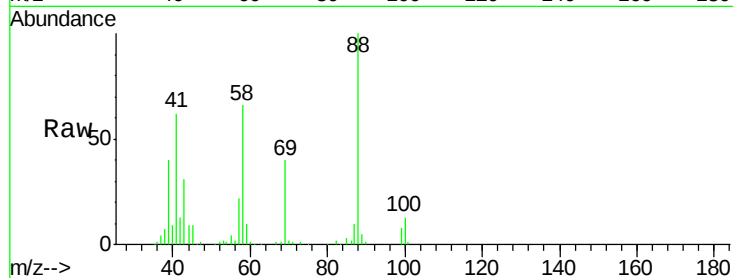
#49
1,4-Dioxane
Concen: 373.05 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.1	29.8	44.6
58	68.9	57.1	85.7

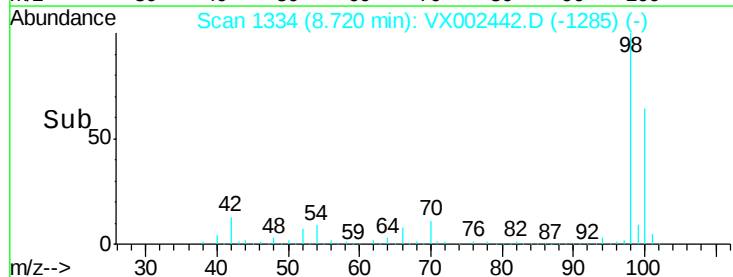
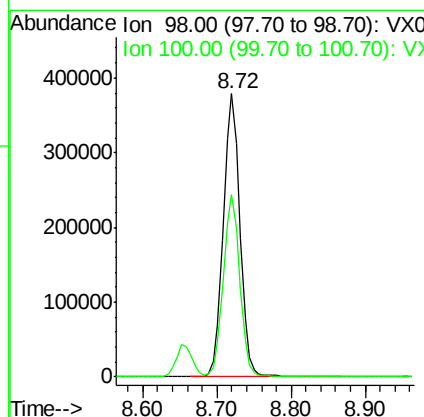
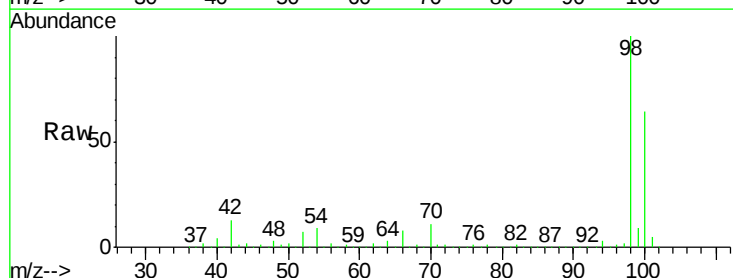
Manual Integrations
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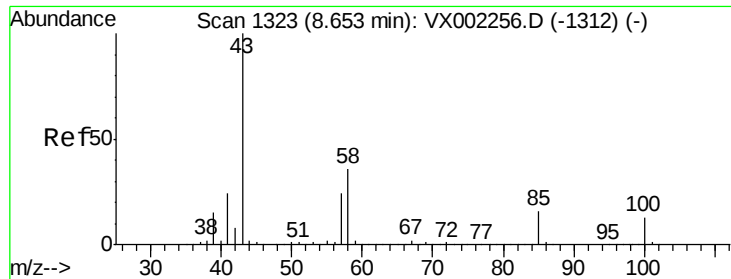
MMDadoda
6/12/2018 4:50:41 PM



#50
Toluene-d8
Concen: 48.59 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 93.63 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Instrument :

MSVOA_X

ClientSampled :

VX0611WBSD01

Tot Ion: 43 Resp: 502151

Ion Ratio Lower Upper

43 100

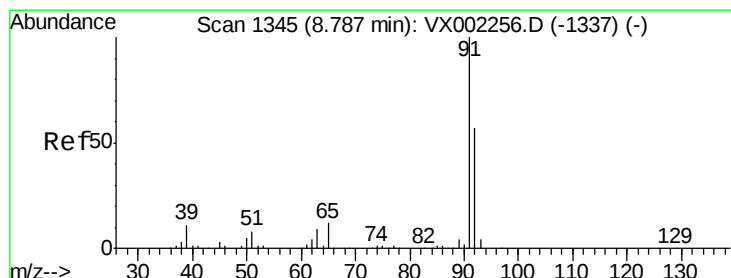
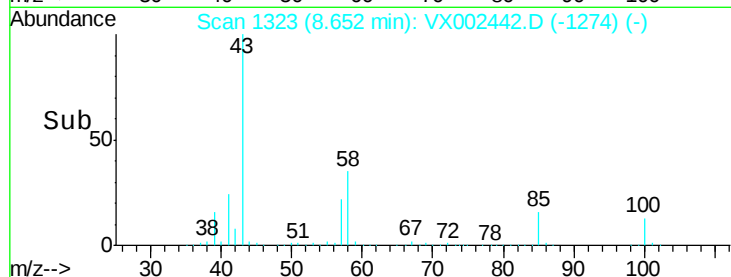
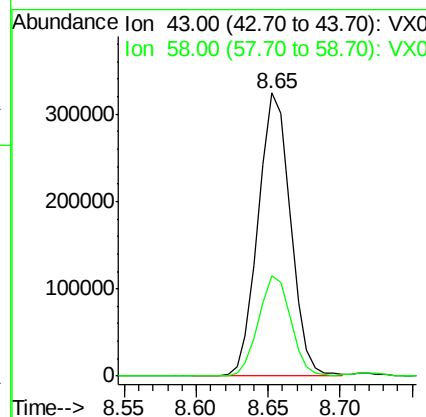
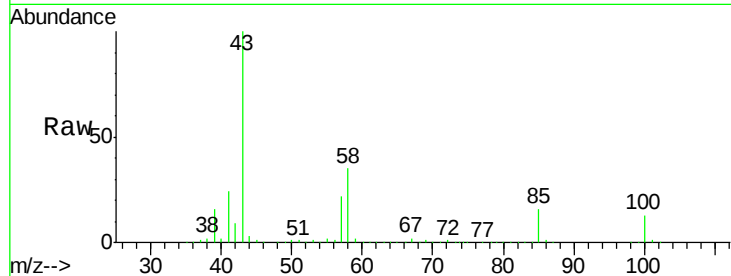
58 35.3 28.6 42.8

Manual Integrations

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6/12/2018 4:50:41 PM



#52

Toluene

Concen: 18.73 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002442.D

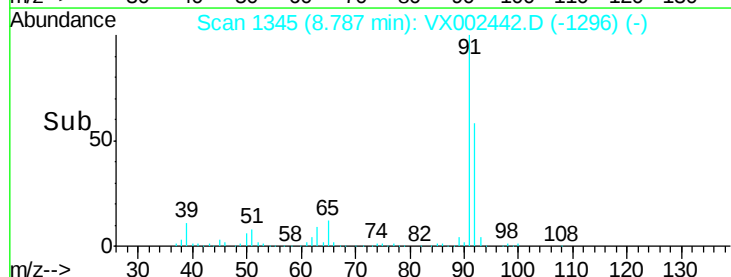
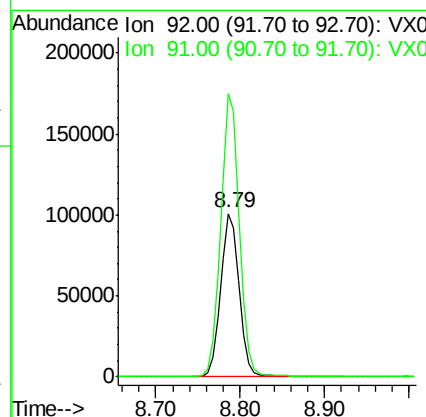
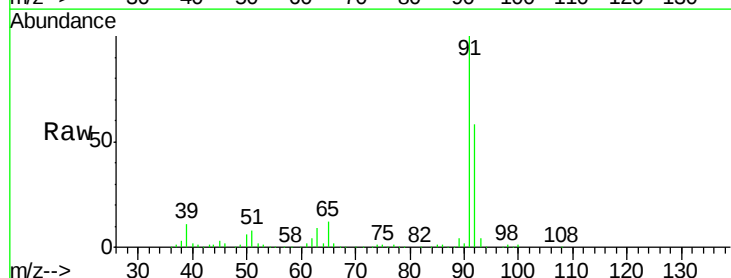
Acq: 11 Jun 2018 14:55

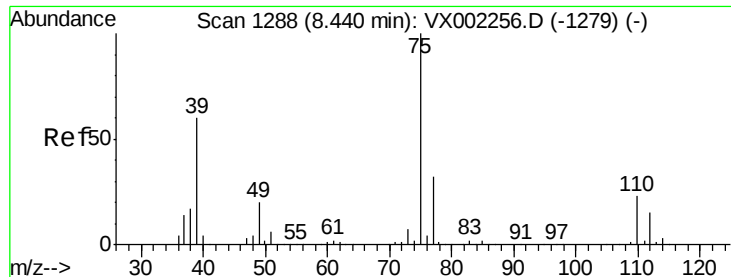
Tgt Ion: 92 Resp: 154005

Ion Ratio Lower Upper

92 100

91 174.0 140.4 210.6





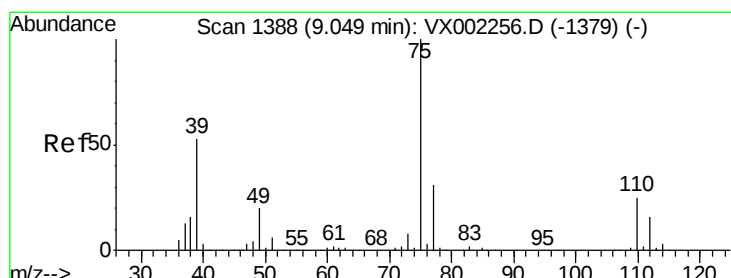
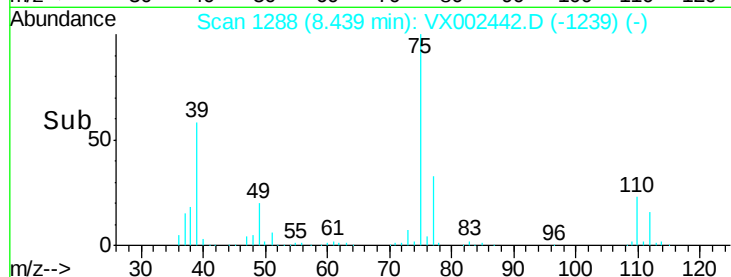
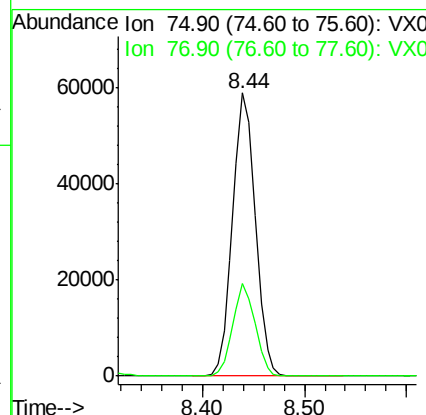
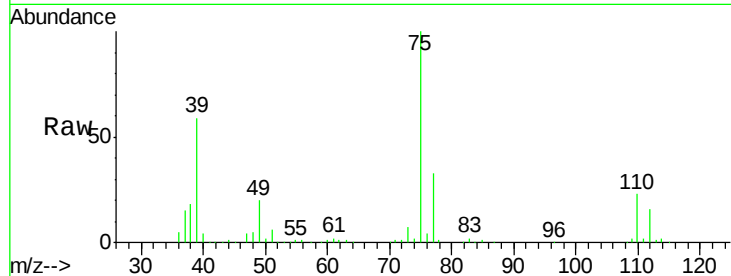
#53
t-1,3-Dichloropropene
Concen: 17.80 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD01

Tot Ion: 75 Resp: 91341
Ion Ratio Lower Upper
75 100
77 32.4 25.4 38.2

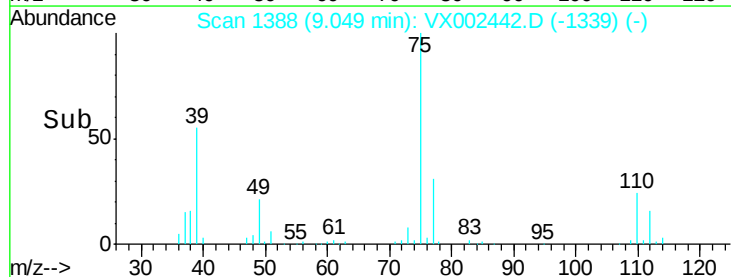
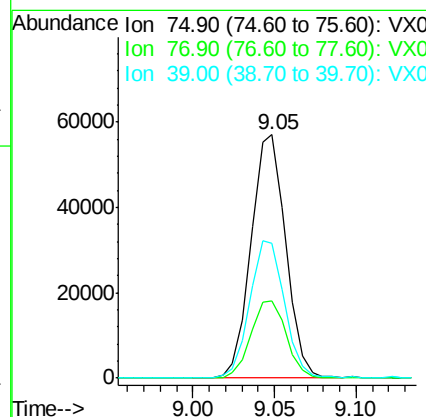
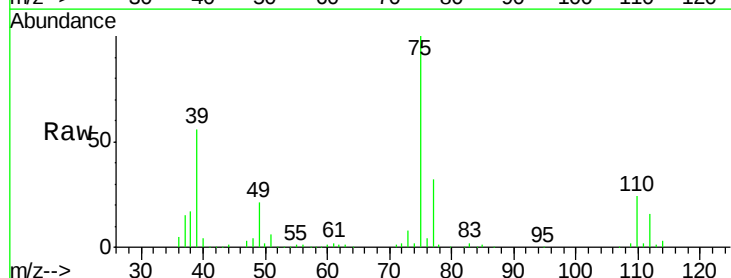
Manual Integrations
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MMDadoda
6/12/2018 4:50:41 PM



#54
cis-1,3-Dichloropropene
Concen: 17.45 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Tgt Ion: 75 Resp: 84484
Ion Ratio Lower Upper
75 100
77 31.6 24.8 37.2
39 55.3 42.4 63.6





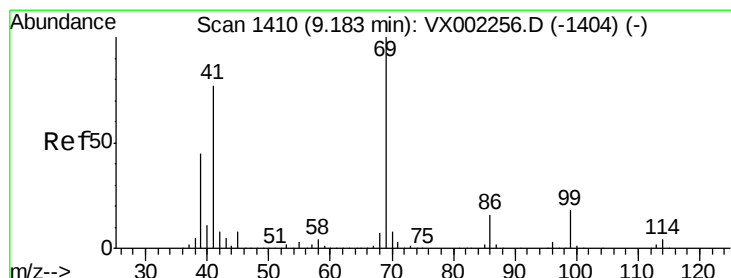
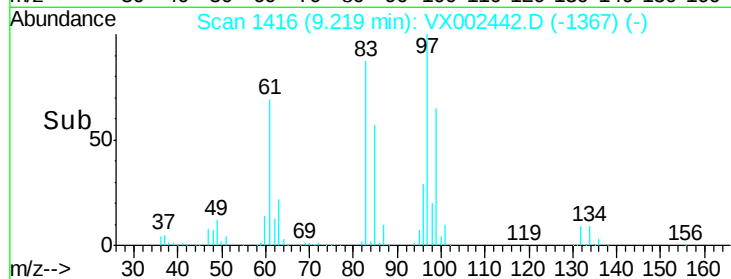
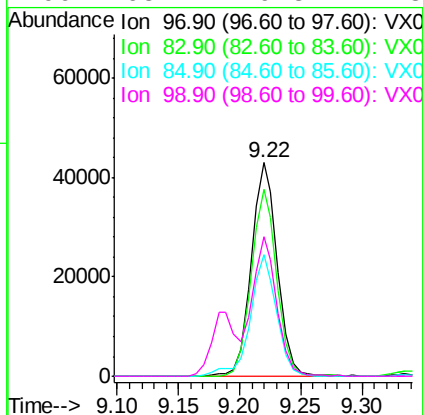
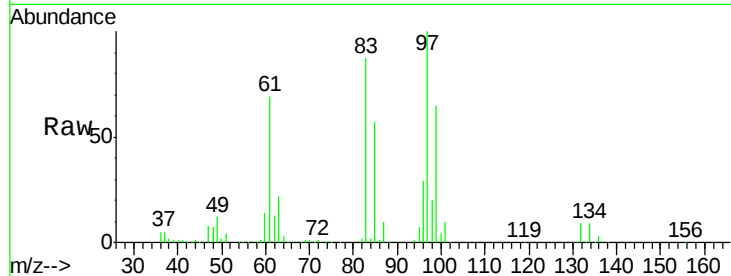
#55
 1,1,2-Trichloroethane
 Concen: 18.77 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002442.D
 Acq: 11 Jun 2018 14:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0611WBSD01

Tot Ion:	97	Resp:	63466
Ion	Ratio	Lower	Upper
97	100		
83	87.3	70.2	105.2
85	56.7	44.9	67.3
99	65.1	49.8	74.8

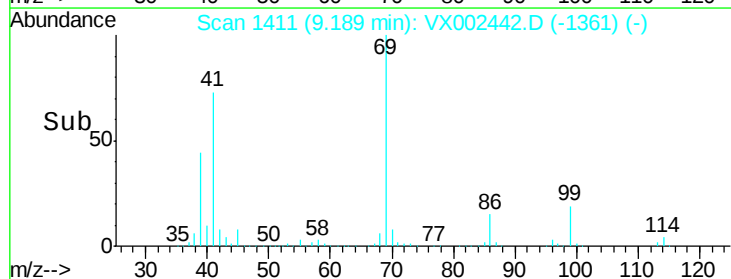
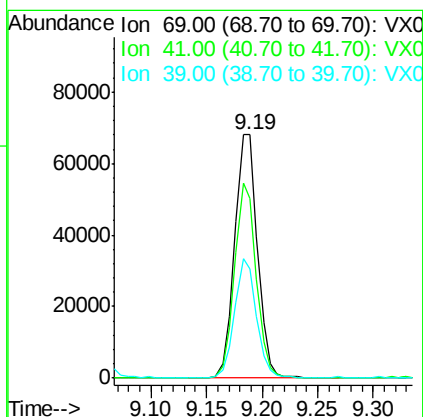
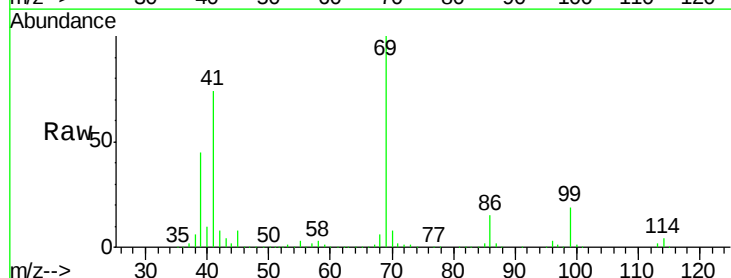
Manual Integrations
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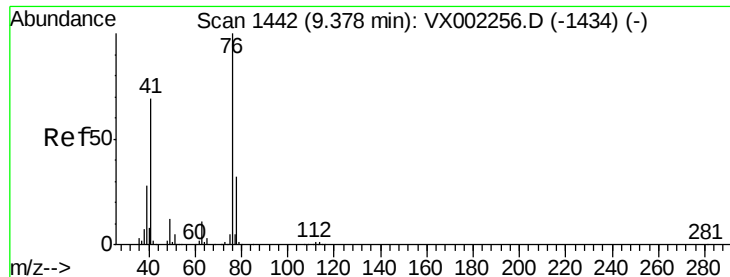
MMDadoda
 6/12/2018 4:50:41 PM



#56
 Ethyl methacrylate
 Concen: 17.93 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX002442.D
 Acq: 11 Jun 2018 14:55

Tgt Ion:	69	Resp:	96820
Ion	Ratio	Lower	Upper
69	100		
41	76.2	60.3	90.5
39	46.2	35.8	53.8





#57

1,3-Dichloropropane

Concen: 18.72 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBSD01

Tot Ion: 76 Resp: 106202

Ion Ratio Lower Upper

76 100

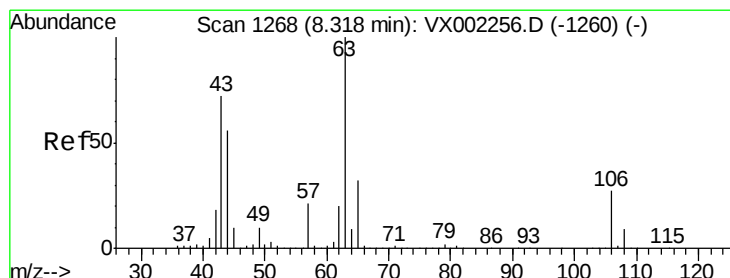
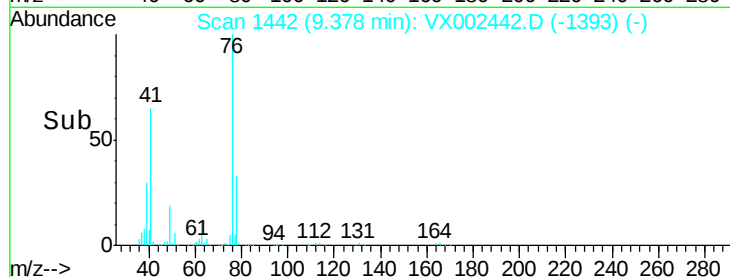
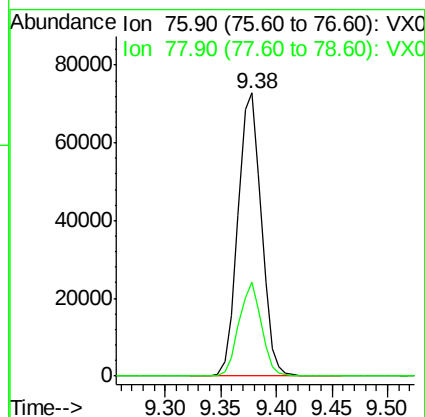
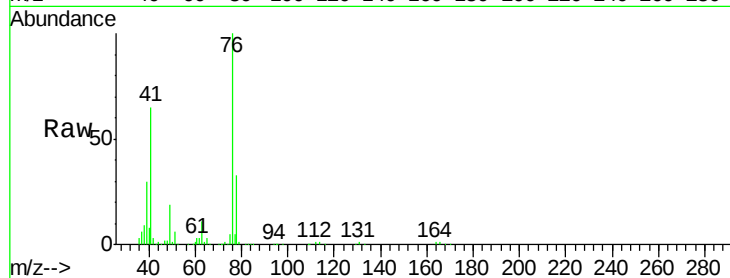
78 31.9 25.8 38.6

Manual Integrations

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MMDadoda

6/12/2018 4:50:41 PM



#58

2-Chloroethyl Vinyl ether

Concen: 100.10 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002442.D

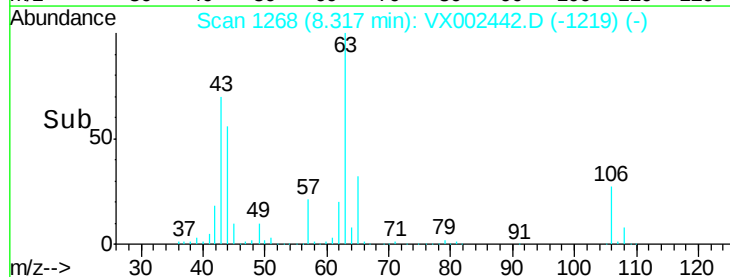
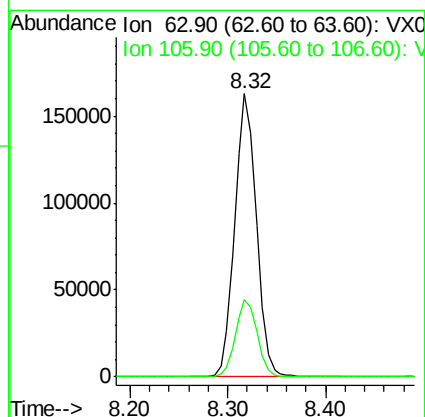
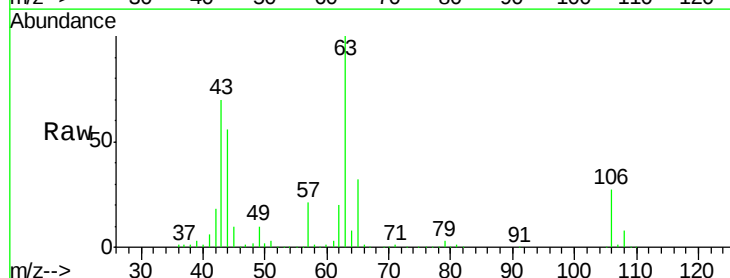
Acq: 11 Jun 2018 14:55

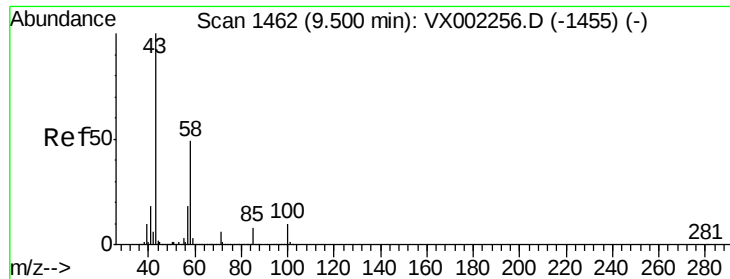
Tgt Ion: 63 Resp: 250130

Ion Ratio Lower Upper

63 100

106 27.6 21.8 32.8





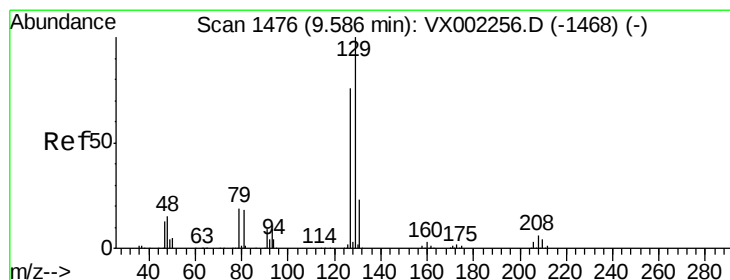
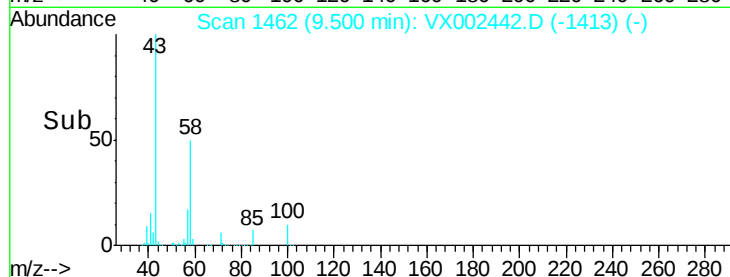
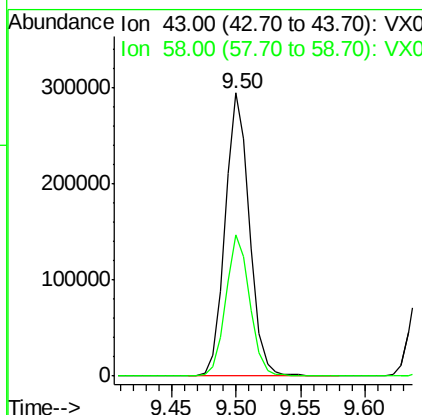
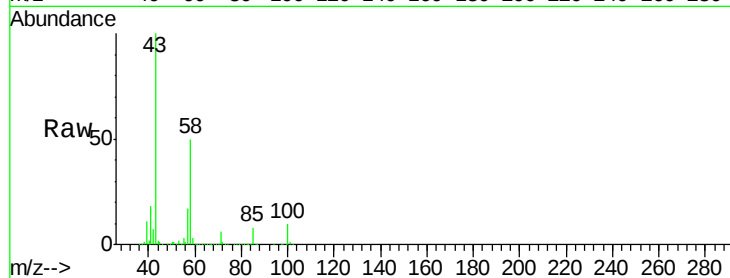
#59
2-Hexanone
Concen: 94.16 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD01

Tot Ion: 43 Resp: 390062
Ion Ratio Lower Upper
43 100
58 49.4 24.6 73.6

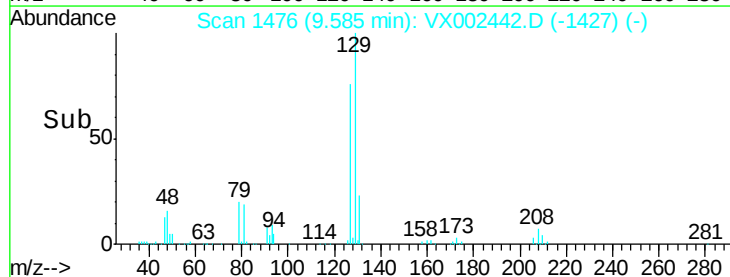
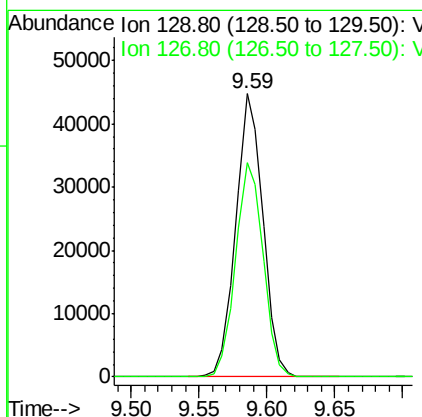
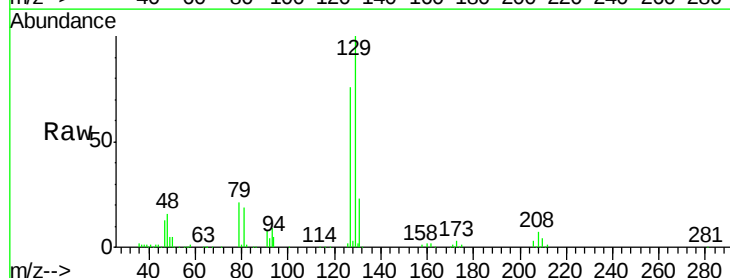
Manual Integrations
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#60
Dibromochloromethane
Concen: 18.29 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Tgt Ion: 129 Resp: 62207
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.3





#61

1,2-Dibromoethane

Concen: 18.54 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBSD01

Tot Ion:107 Resp: 65387

Ion Ratio Lower Upper

107 100

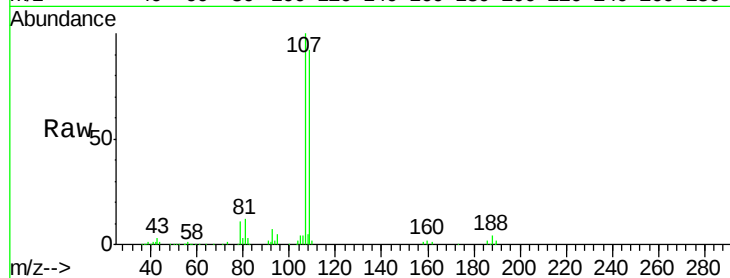
109 93.4 75.3 112.9

Manual Integrations

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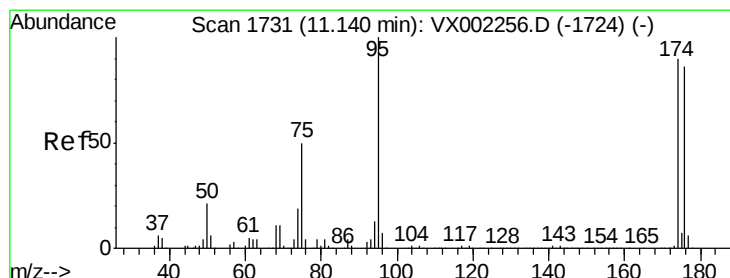
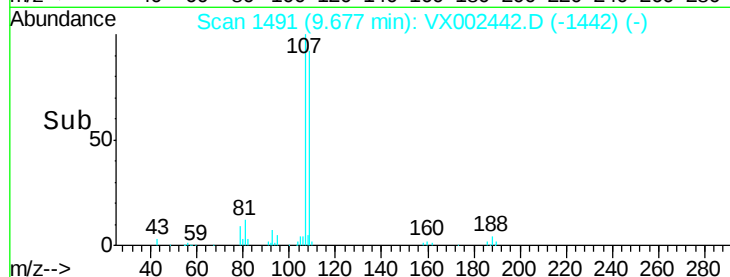
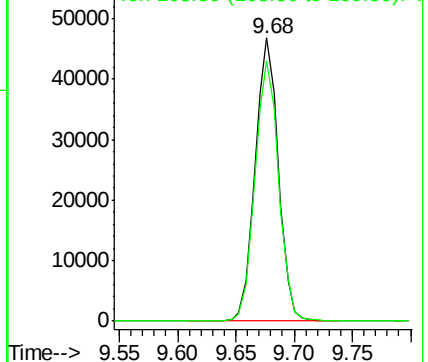
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.80 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

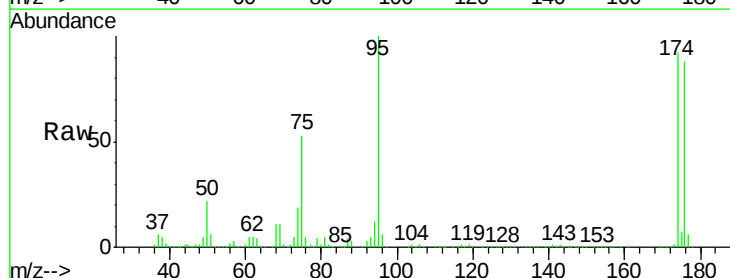
Tgt Ion: 95 Resp: 222821

Ion Ratio Lower Upper

95 100

174 95.4 0.0 187.4

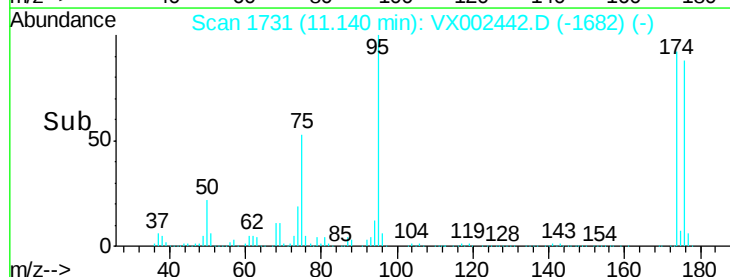
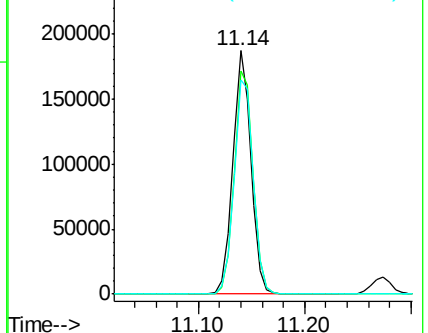
176 93.3 0.0 181.0



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





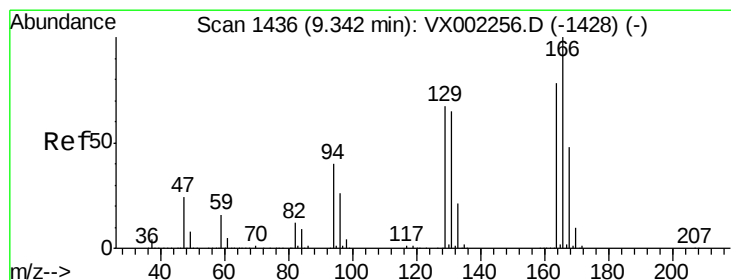
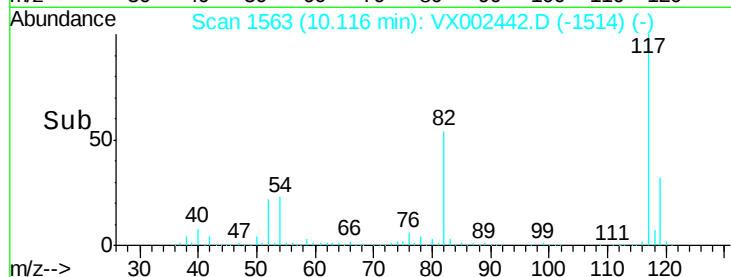
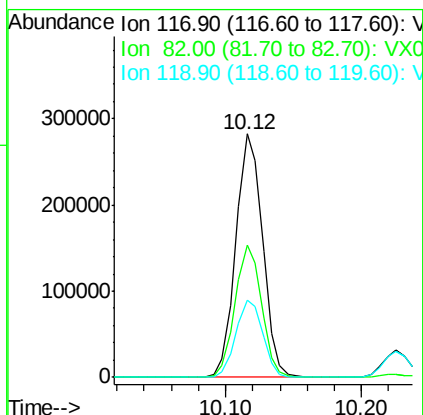
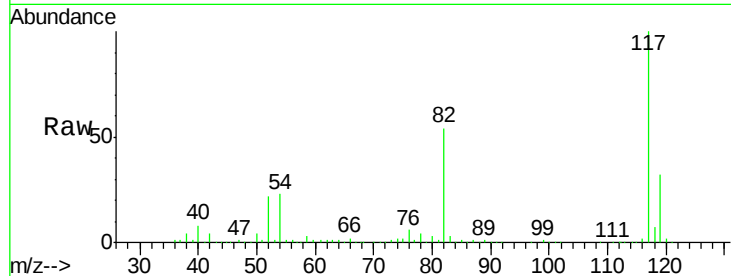
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	45.0	67.4
119	31.5	25.8	38.6

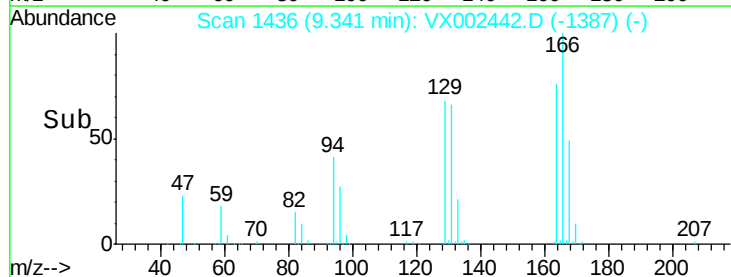
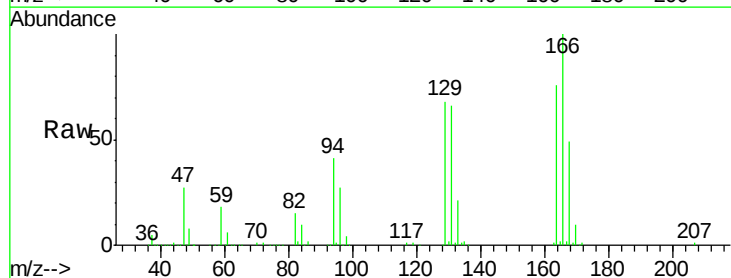
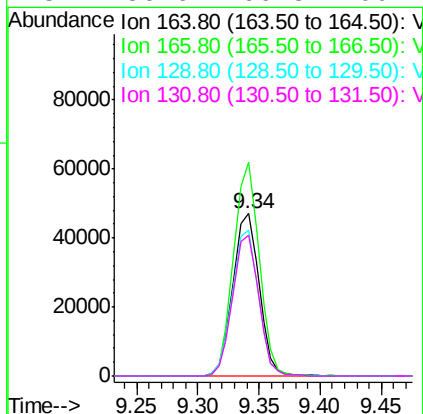
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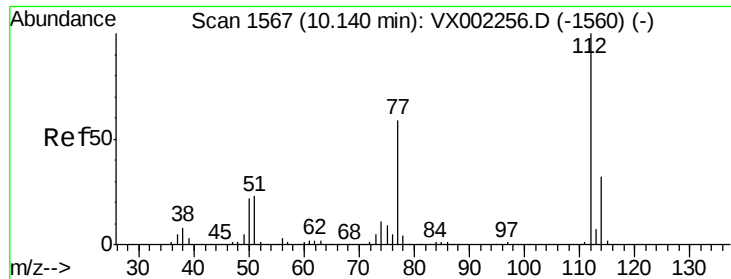
MMDadoda
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#64
Tetrachloroethene
Concen: 17.53 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.4	102.9	154.3
129	89.6	68.6	102.8
131	86.6	66.8	100.2





#65

Chlorobenzene

Concen: 18.39 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBSD01

Tot Ion:112 Resp: 177403

Ion Ratio Lower Upper

112 100

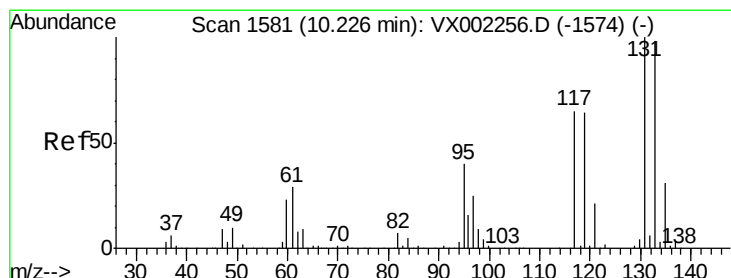
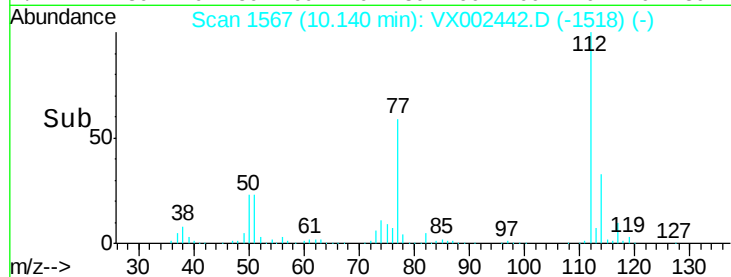
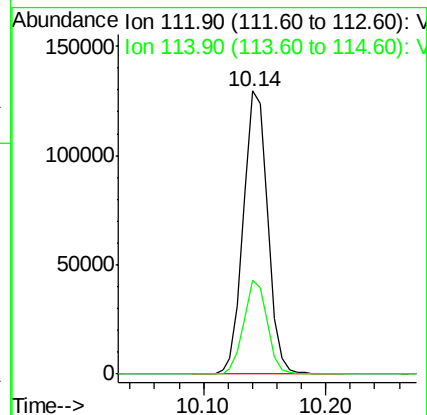
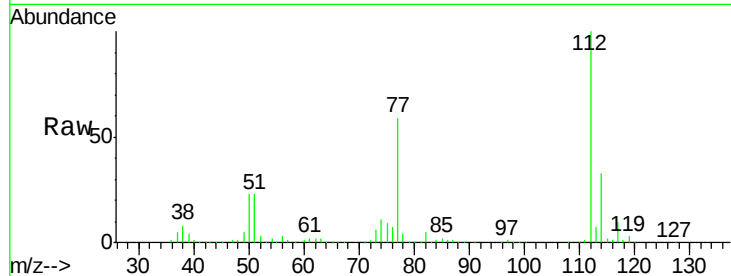
114 33.0 25.3 37.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 17.99 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

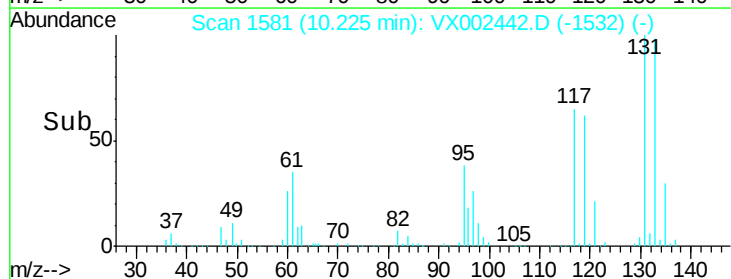
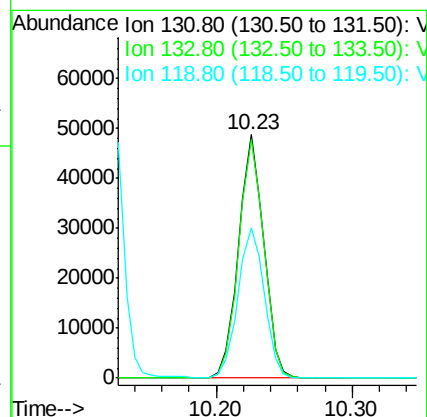
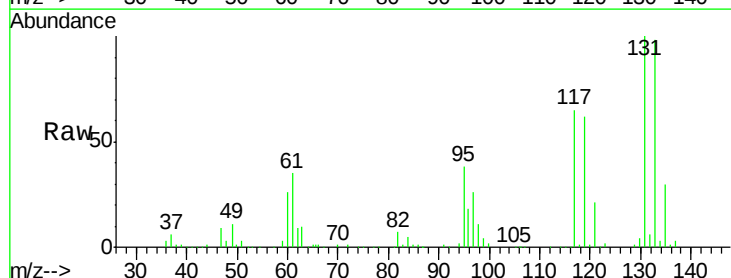
Tgt Ion:131 Resp: 62835

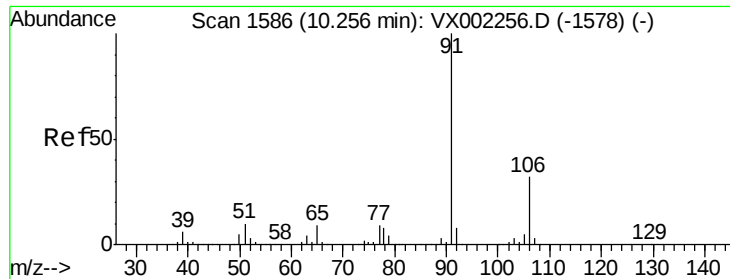
Ion Ratio Lower Upper

131 100

133 98.0 47.9 143.6

119 64.8 31.8 95.3





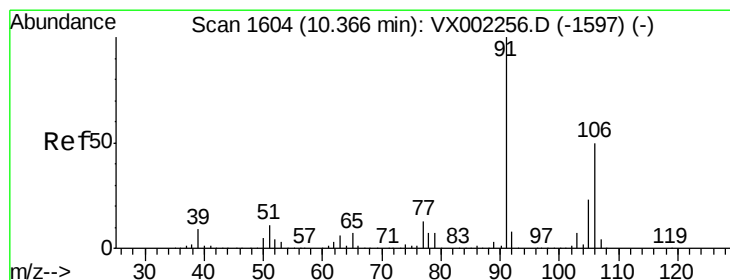
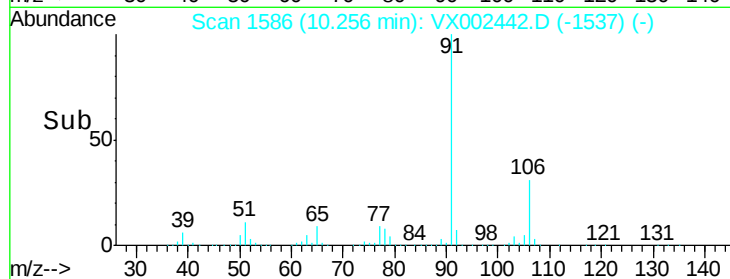
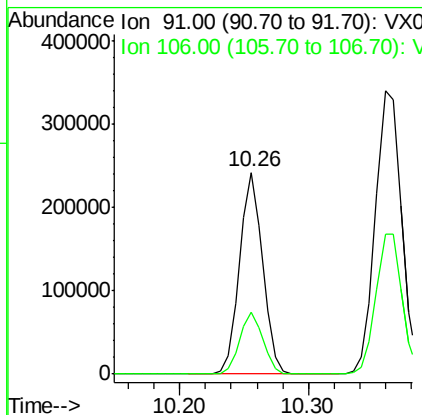
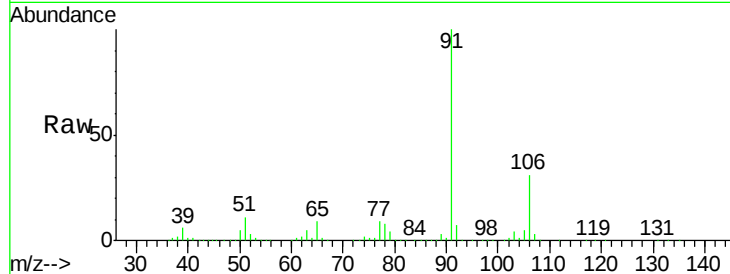
#67
Ethyl Benzene
Concen: 18.66 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD01

Tot Ion: 91 Resp: 301297
Ion Ratio Lower Upper
91 100
106 30.7 25.5 38.3

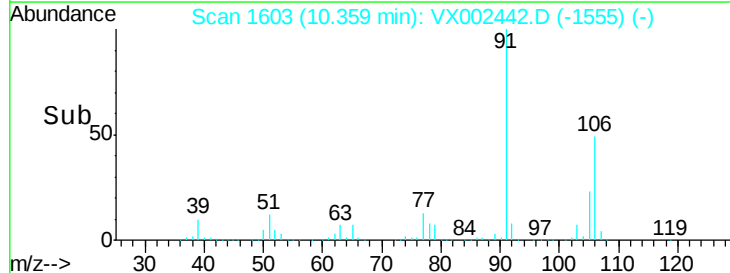
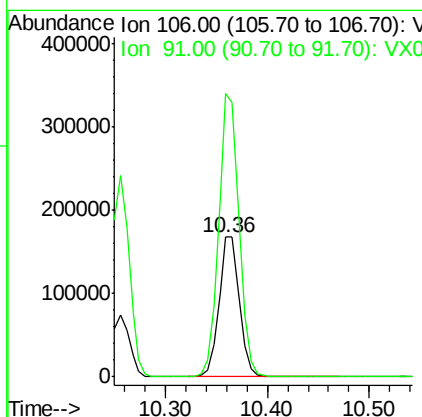
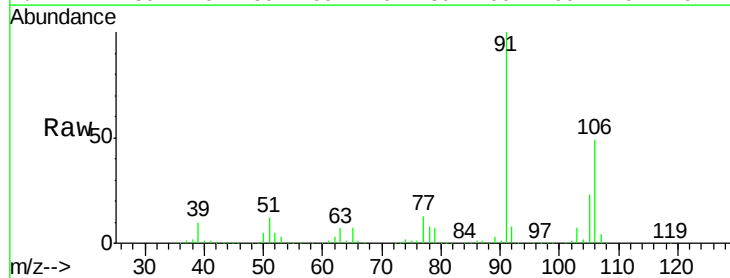
Manual Integrations
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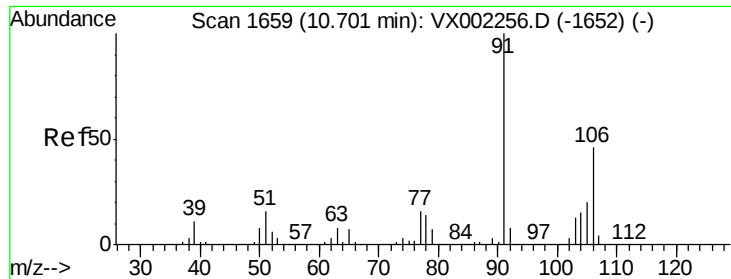
MMDadoda
6/12/2018 4:50:41 PM



#68
m/p-Xylenes
Concen: 37.36 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Tgt Ion: 106 Resp: 234453
Ion Ratio Lower Upper
106 100
91 201.9 163.4 245.2





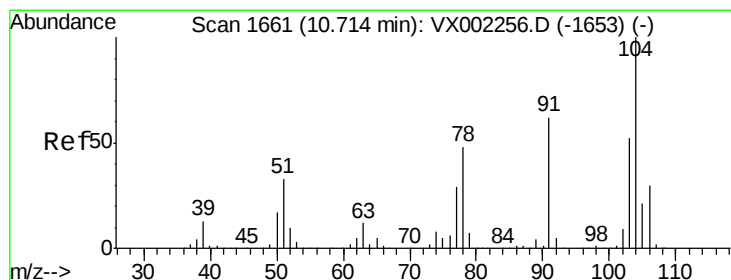
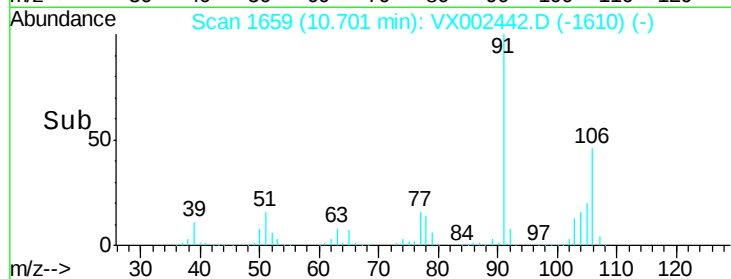
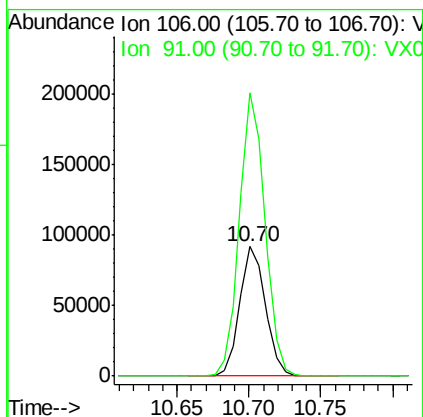
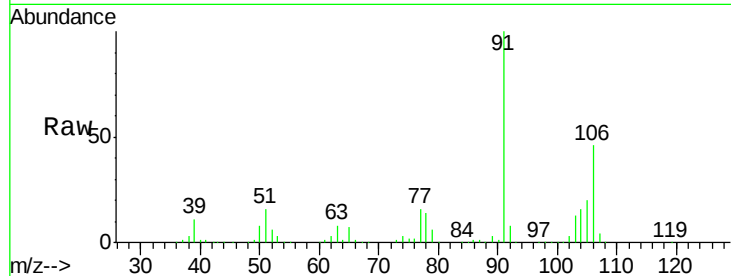
#69
o-Xylene
Concen: 18.27 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD01

Tot Ion:106 Resp: 114075
Ion Ratio Lower Upper
106 100
91 216.8 108.2 324.6

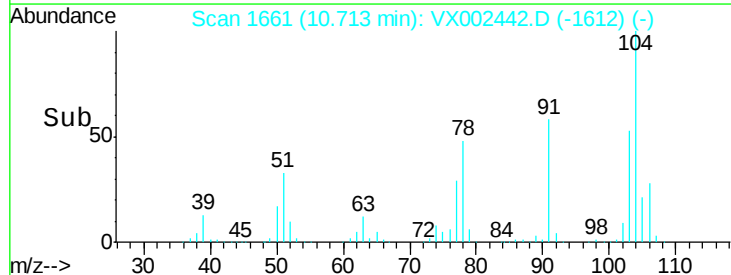
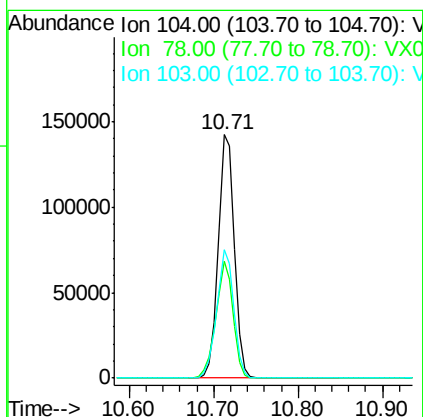
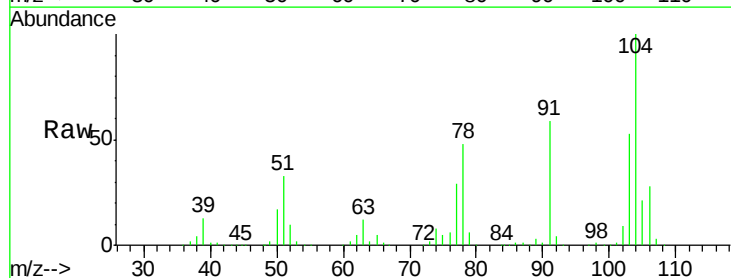
Manual Integrations
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#70
Styrene
Concen: 18.61 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Tgt Ion:104 Resp: 190018
Ion Ratio Lower Upper
104 100
78 51.1 41.0 61.6
103 56.0 44.2 66.4





#71

Bromoform

Concen: 16.95 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBSD01

Tot Ion:173 Resp: 45328

Ion Ratio Lower Upper

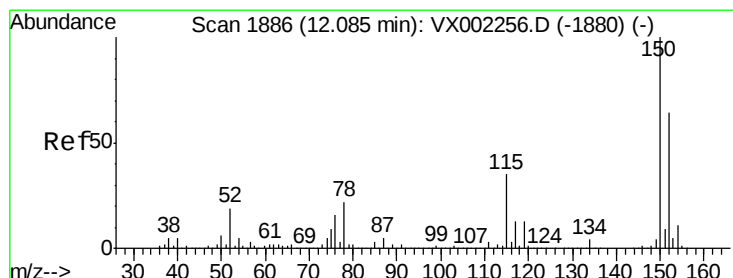
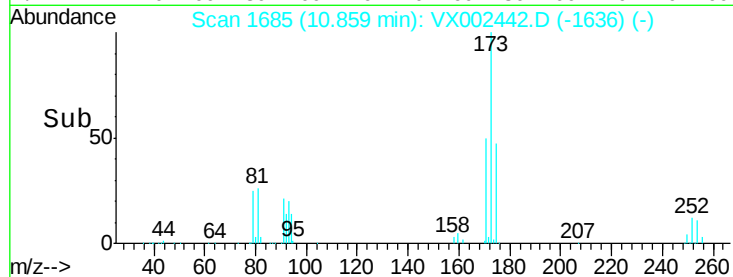
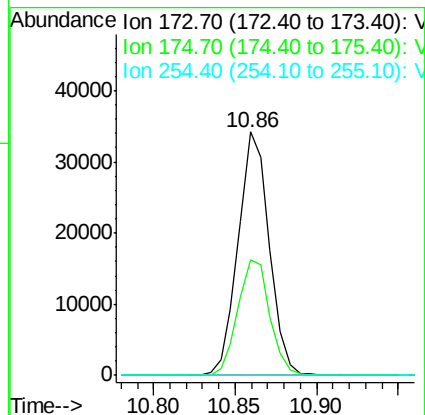
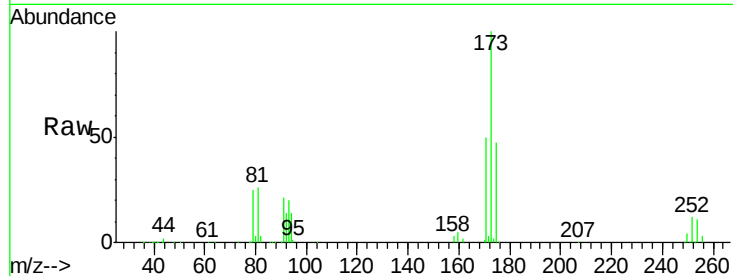
173 100

175 48.9 24.7 74.1

254 0.0 0.2 0.2#

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6/12/2018 4:50:41 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: VX002442.D

Acq: 11 Jun 2018 14:55

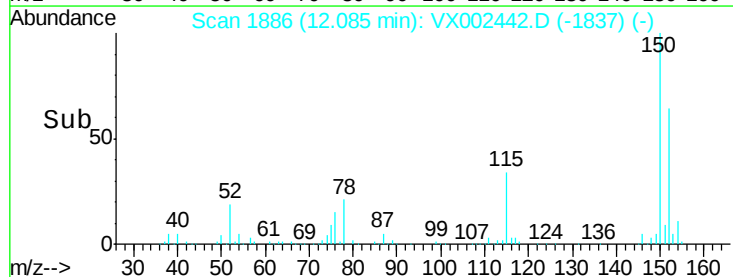
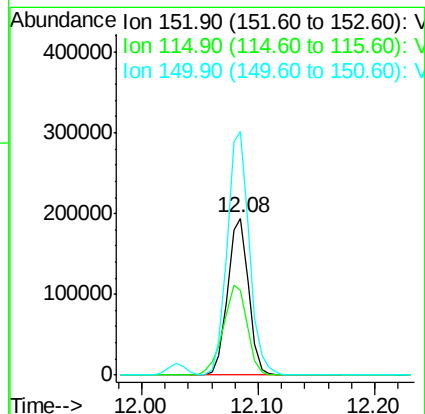
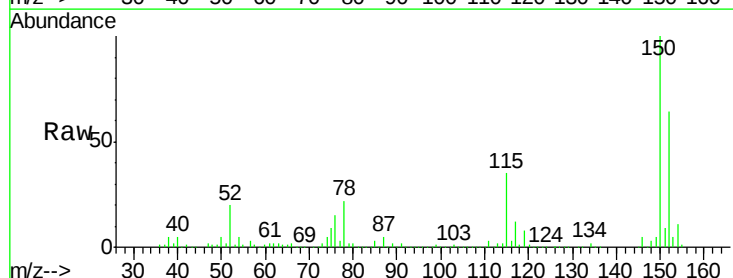
Tgt Ion:152 Resp: 240539

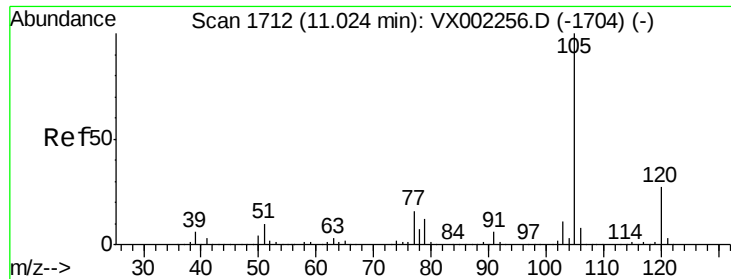
Ion Ratio Lower Upper

152 100

115 65.3 40.1 120.2

150 164.2 0.0 347.2





#73

Isopropylbenzene

Concen: 18.76 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBSD01

Tot Ion:105 Resp: 313930

Ion Ratio Lower Upper

105 100

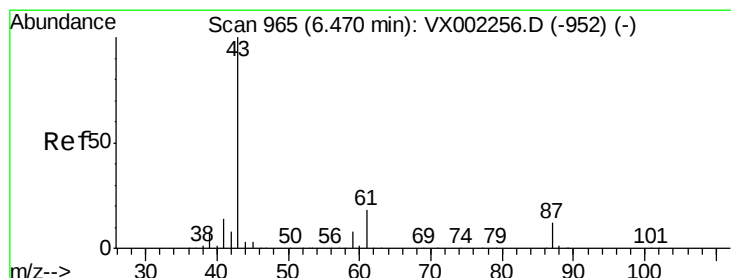
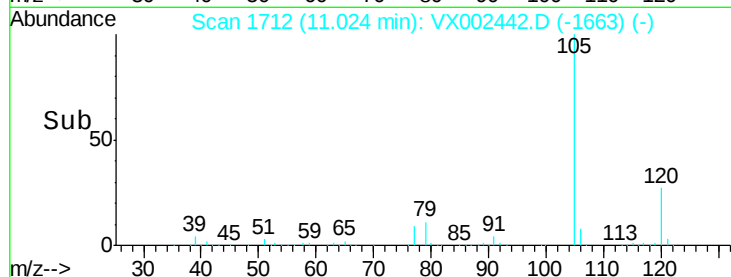
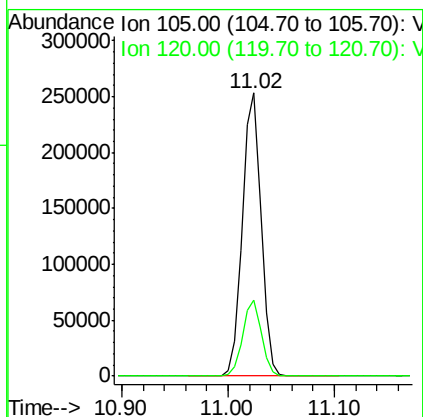
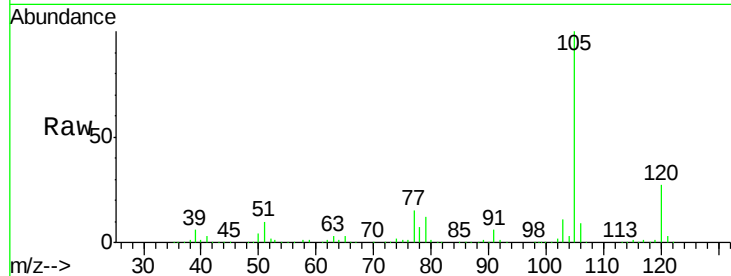
120 26.6 13.5 40.4

Manual Integrations

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6/12/2018 4:50:41 PM



#74

N-ethyl acetate

Concen: 17.04 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Tgt Ion: 43 Resp: 153668

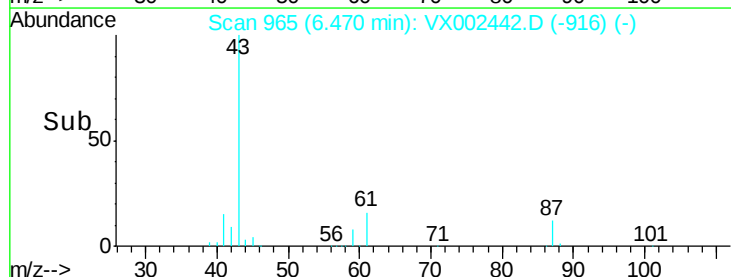
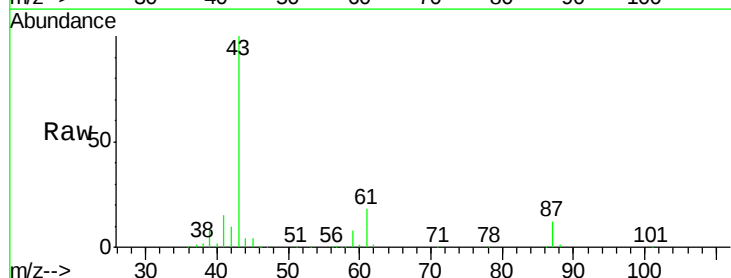
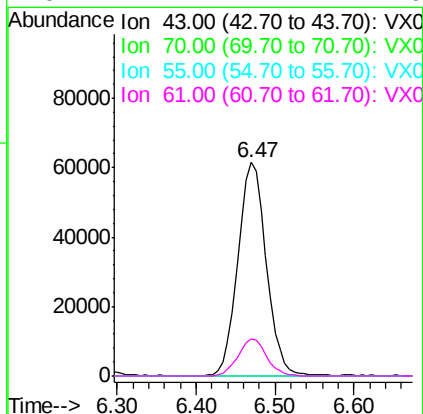
Ion Ratio Lower Upper

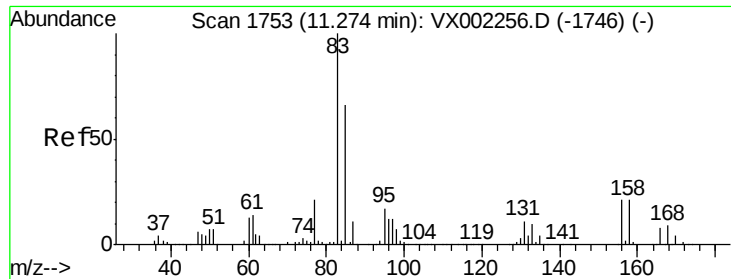
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 17.7 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.03 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Instrument :

MSVOA_X

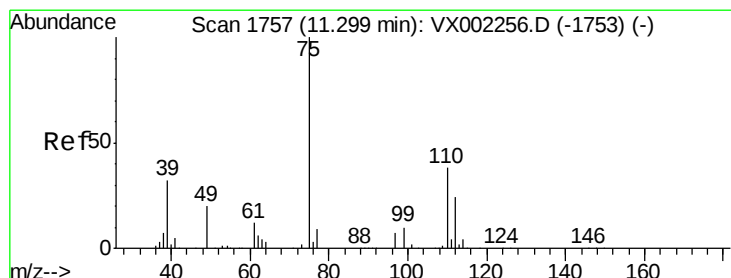
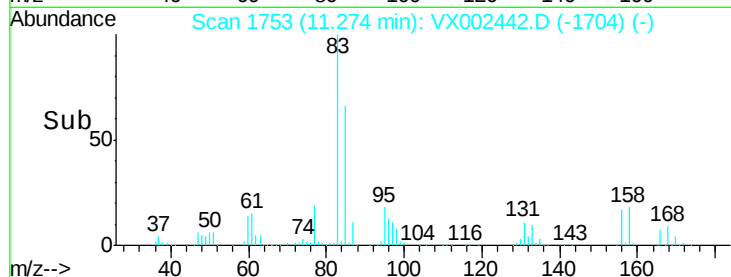
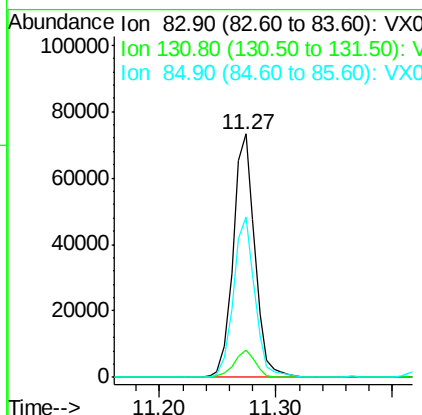
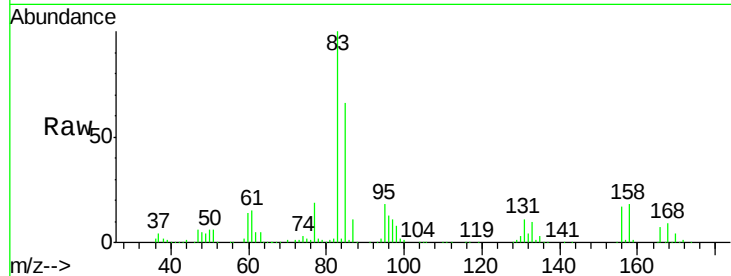
ClientSampleId :

VX0611WBSD01

Tot Ion:	83	Resp:	94892
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.6	16.8
85	65.3	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 15.66 ug/l m

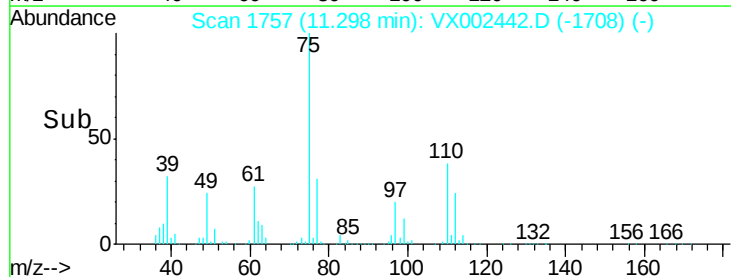
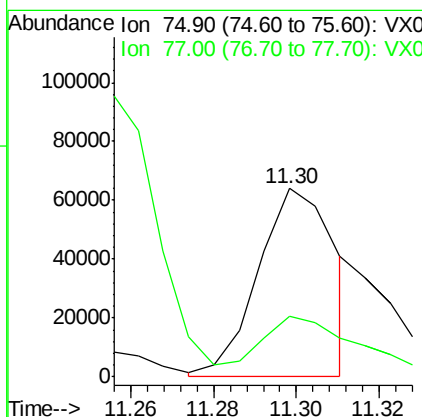
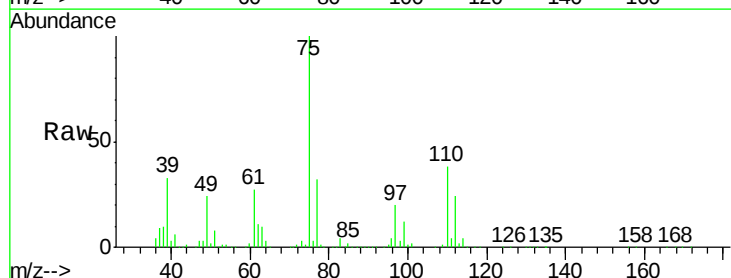
RT: 11.30 min Scan# 1757

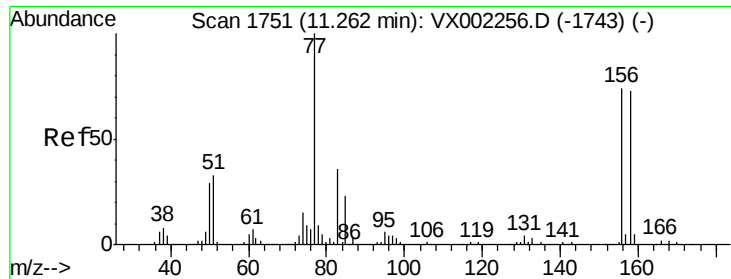
Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Tgt Ion:	75	Resp:	82664
Ion Ratio	Lower	Upper	
75	100		
77	42.0	22.8	68.3





#77

Bromobenzene

Concen: 17.83 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBSD01

Tot Ion:156 Resp: 83769

Ion Ratio Lower Upper

156 100

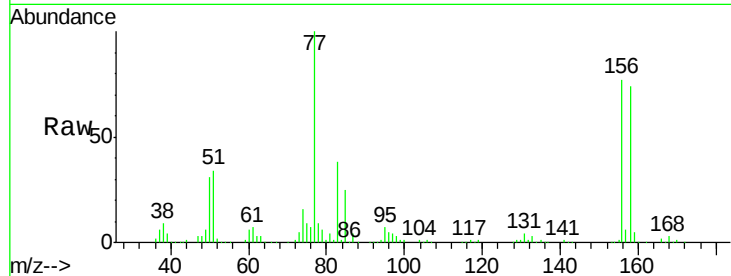
77 144.9 71.4 214.2

158 98.0 48.9 146.6

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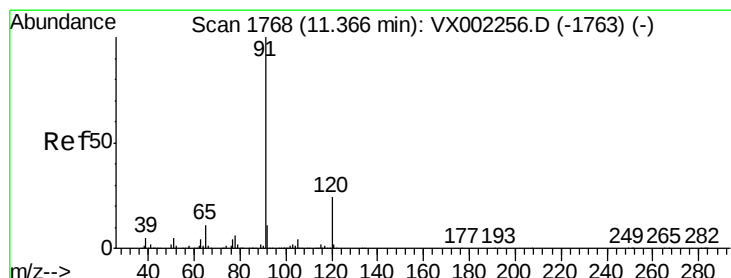
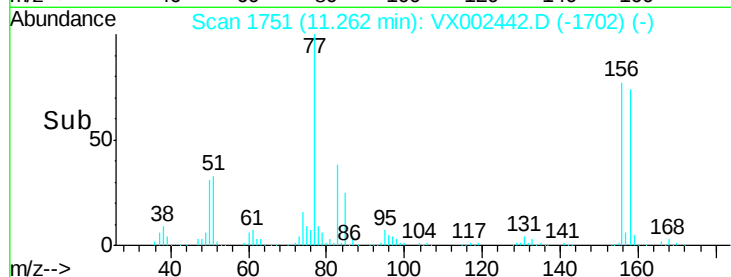
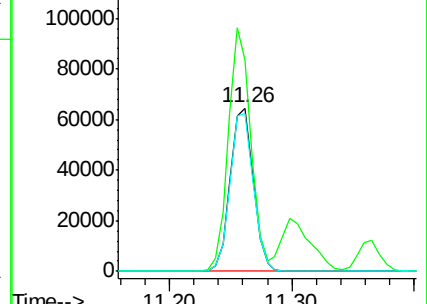
6/12/2018 4:50:41 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.34 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002442.D

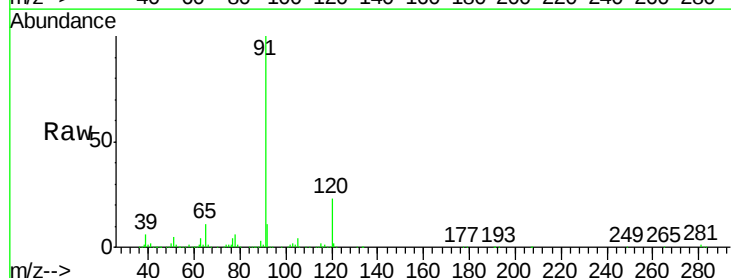
Acq: 11 Jun 2018 14:55

Tgt Ion: 91 Resp: 359642

Ion Ratio Lower Upper

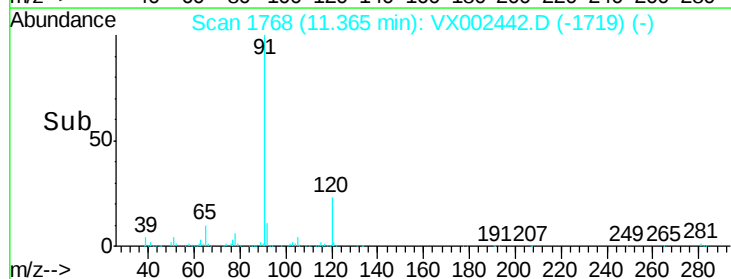
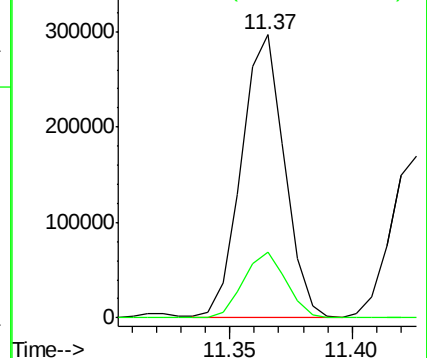
91 100

120 23.3 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.90 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBSD01

Tot Ion: 91 Resp: 210192

Ion Ratio Lower Upper

91 100

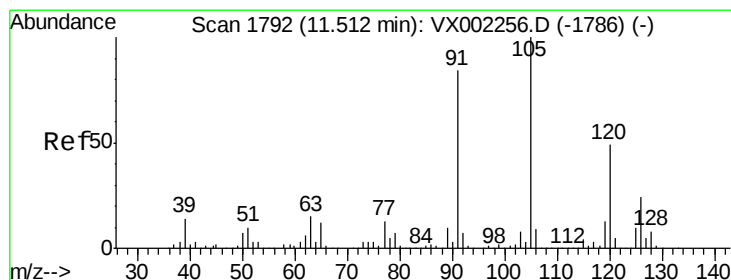
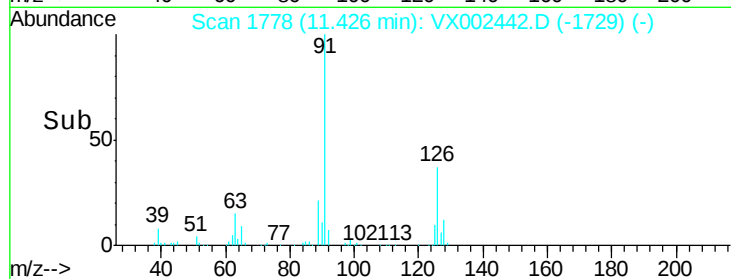
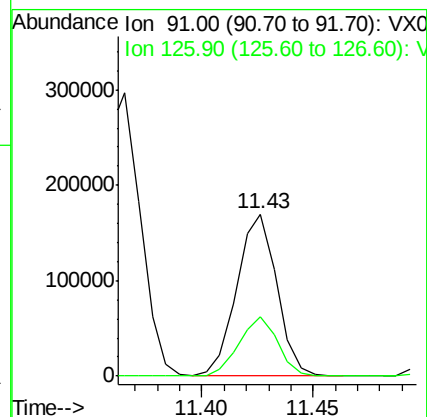
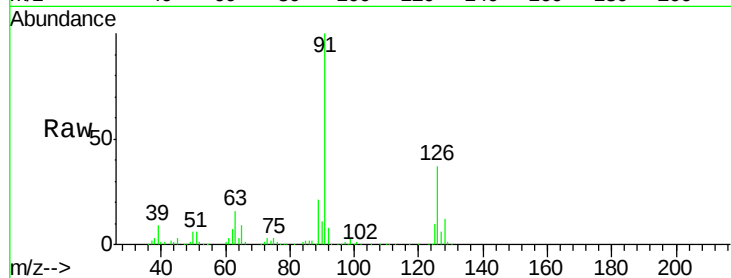
126 36.0 17.7 53.1

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#80

1,3,5-Trimethylbenzene

Concen: 18.36 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002442.D

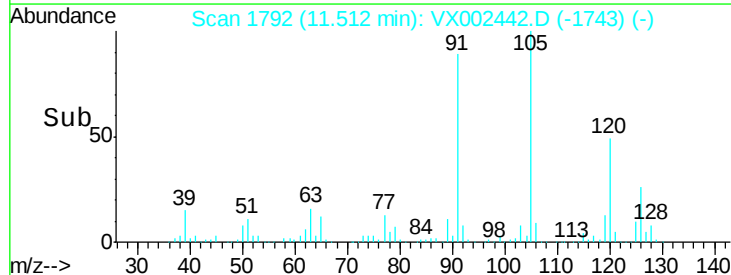
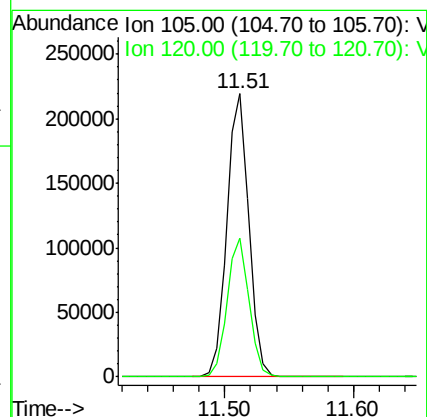
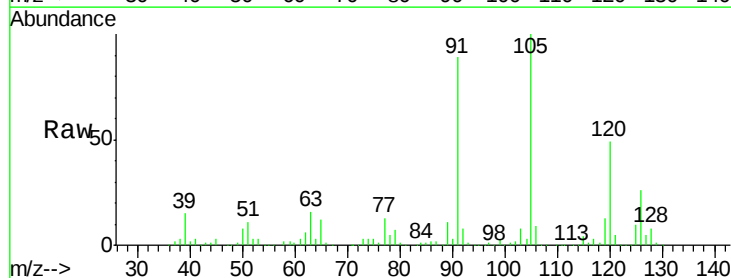
Acq: 11 Jun 2018 14:55

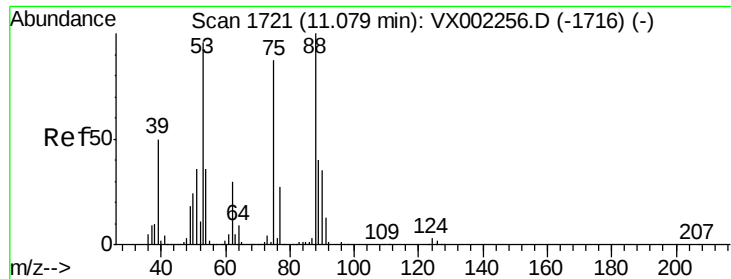
Tgt Ion: 105 Resp: 263455

Ion Ratio Lower Upper

105 100

120 49.0 24.4 73.4





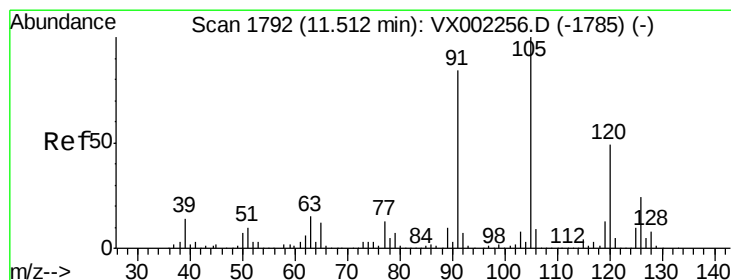
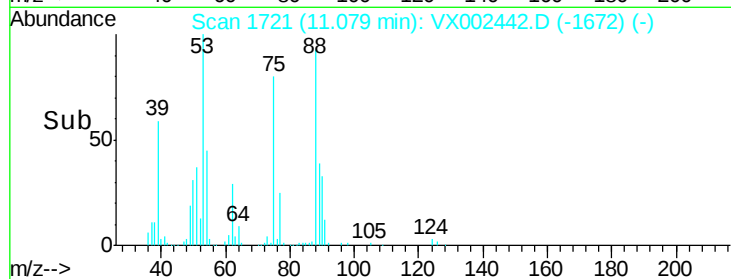
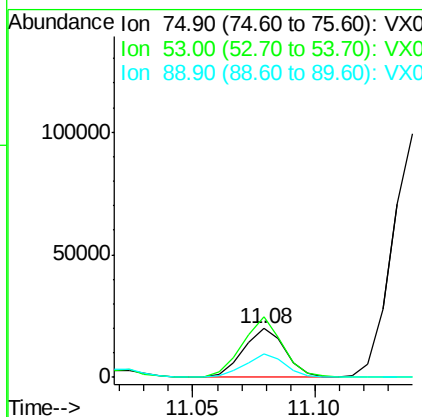
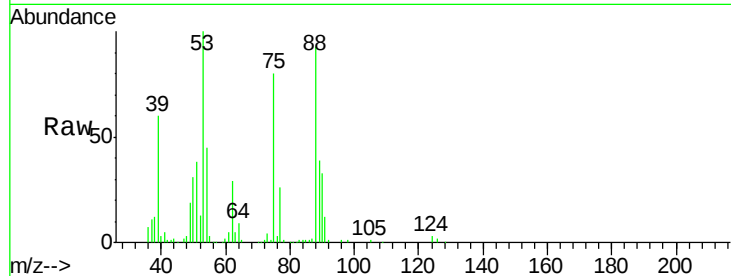
#81
trans-1,4-Dichloro-2-butene
Concen: 15.87 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.8	86.8	130.2
89	46.9	38.2	57.2

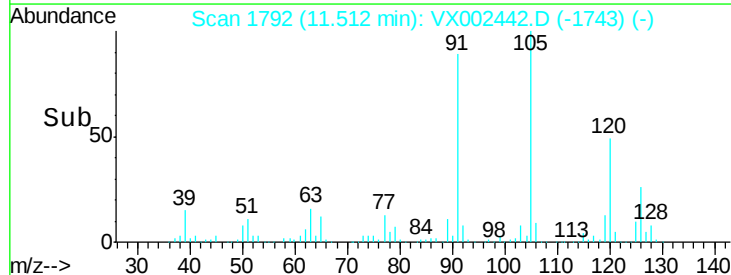
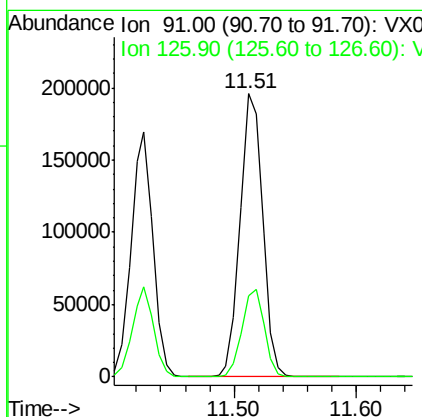
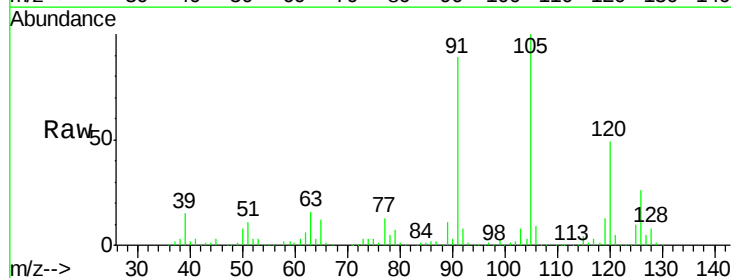
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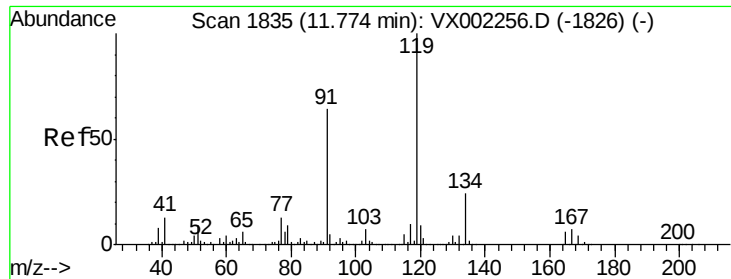
MMDadoda
6/12/2018 4:50:41 PM



#82
4-Chlorotoluene
Concen: 18.47 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.4	46.4





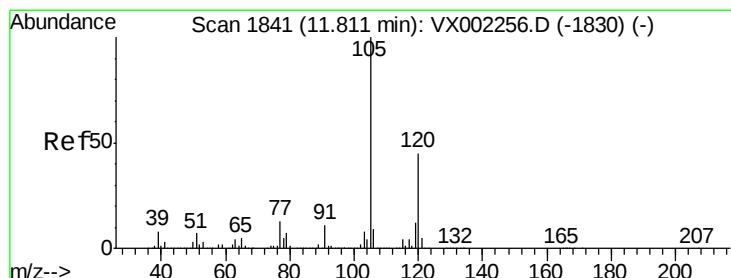
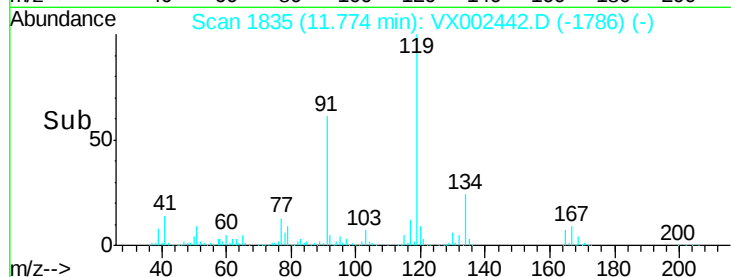
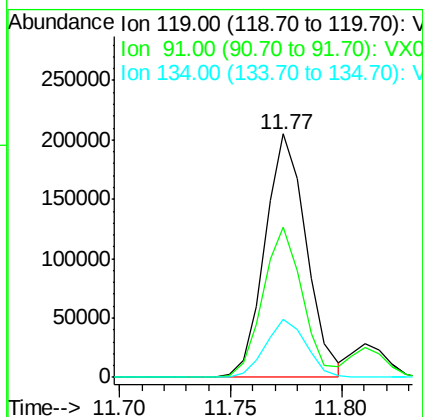
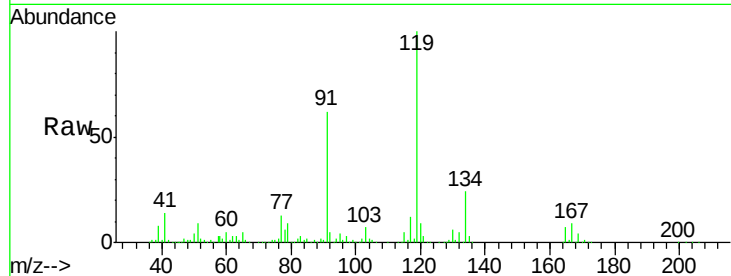
#83
tert-Butylbenzene
Concen: 18.89 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.6	30.3	90.9
134	23.4	11.7	35.1

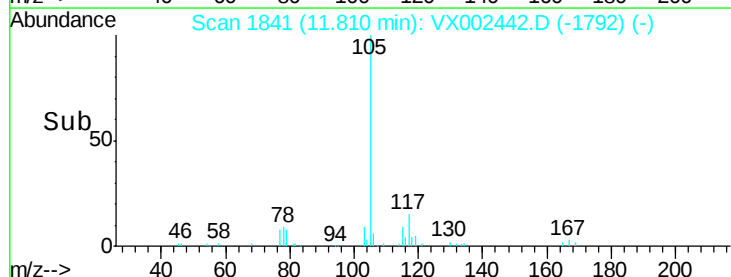
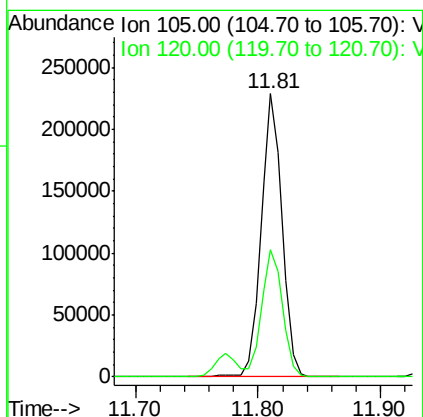
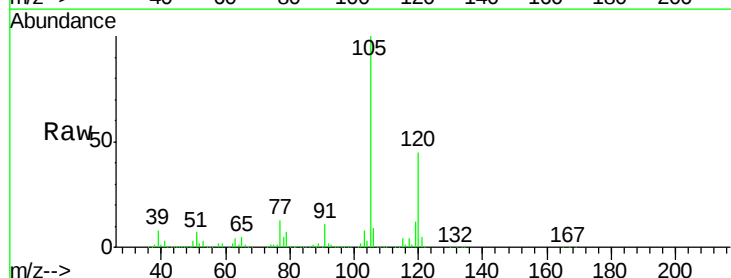
Manual Integrations
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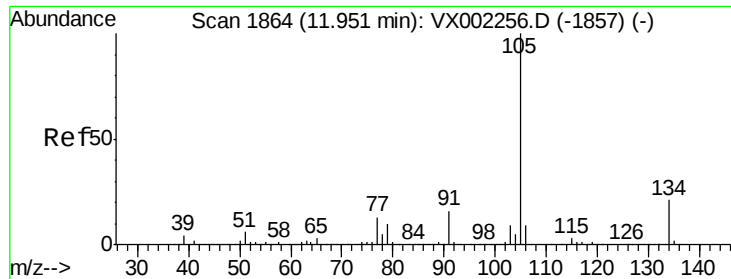
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 18.48 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.3	66.8





#85

sec-Butylbenzene

Concen: 19.50 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Instrument :

MSVOA_X

ClientSampleId :

VX0611WBSD01

Tot Ion:105 Resp: 319537

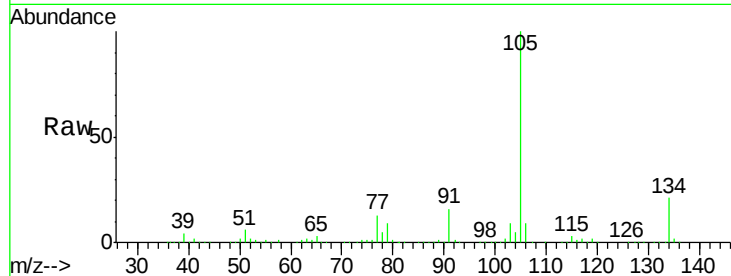
Ion Ratio Lower Upper

105 100

134 21.1 10.4 31.1

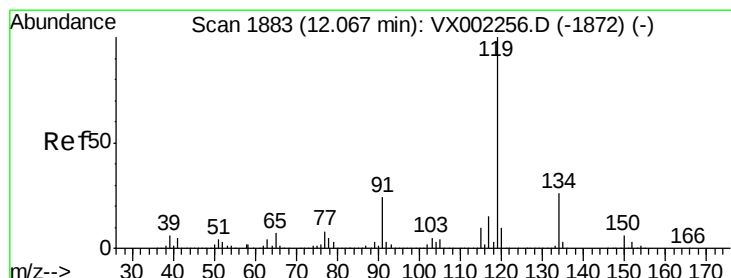
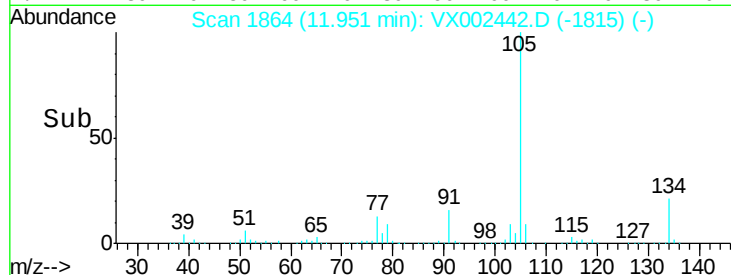
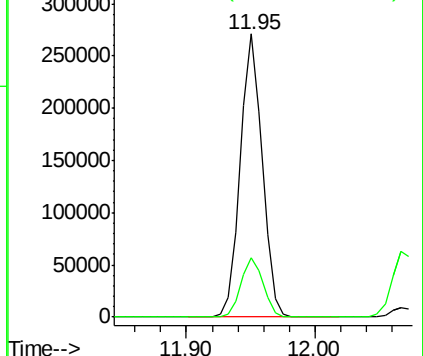
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.46 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

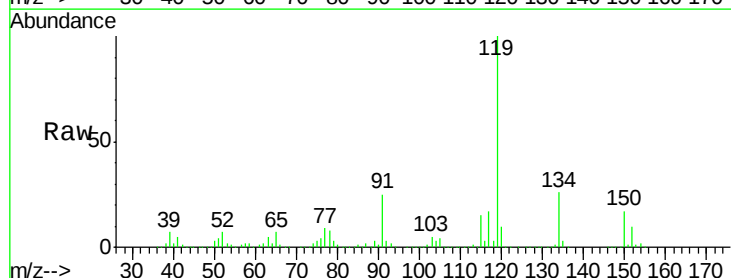
Tgt Ion:119 Resp: 290436

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

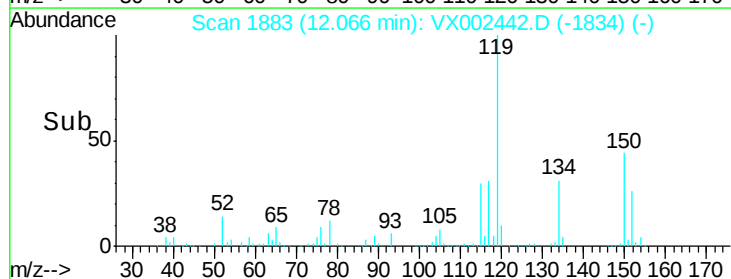
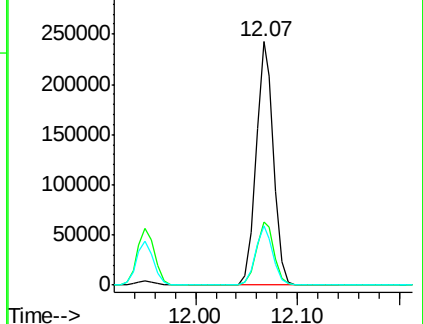
91 24.2 11.9 35.7

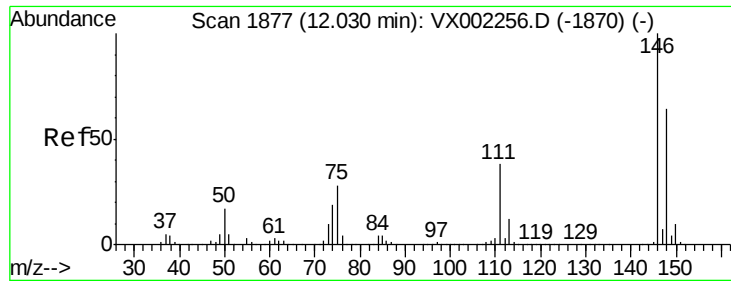


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 18.25 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Instrument :

MSVOA_X

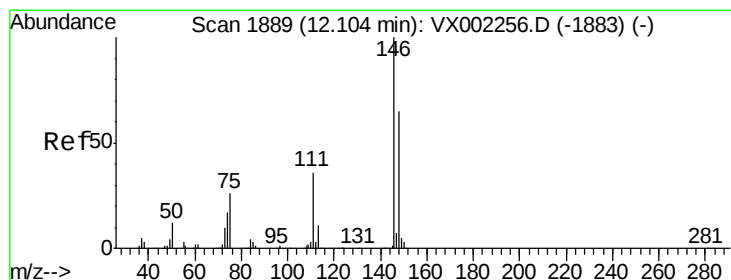
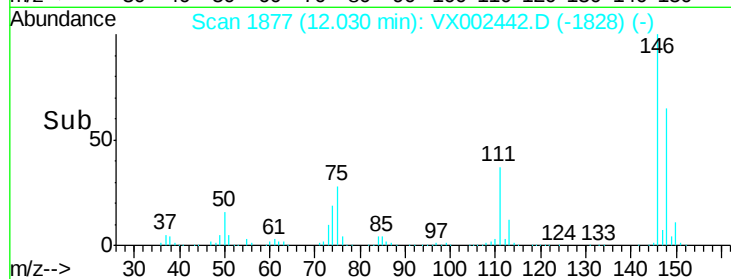
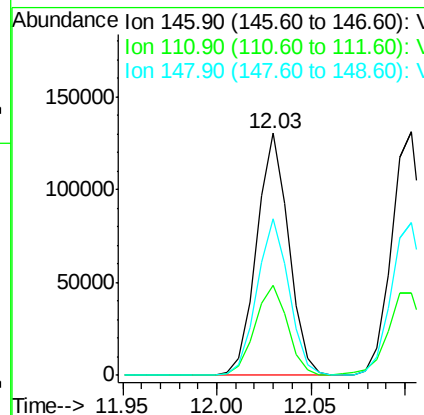
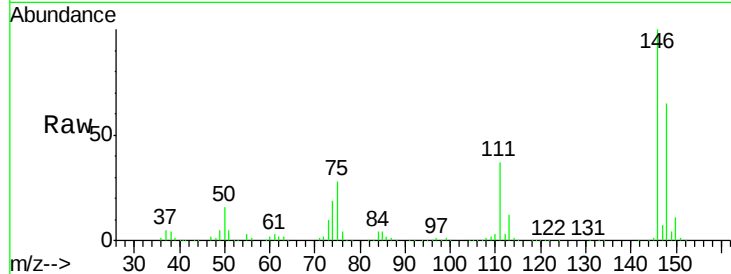
ClientSampled :

VX0611WBSD01

Tot Ion:	146	Resp:	153309
Ion Ratio	Lower	Upper	
146	100		
111	38.1	18.9	56.7
148	64.6	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 18.31 ug/l

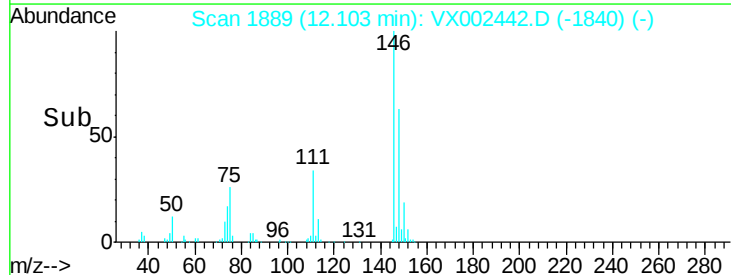
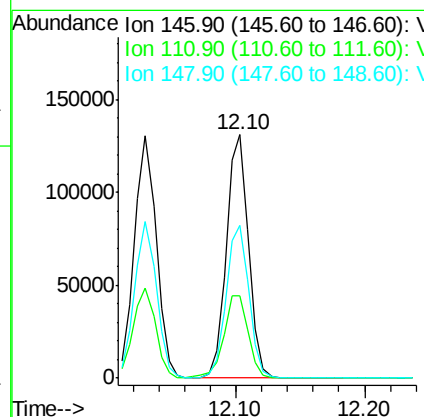
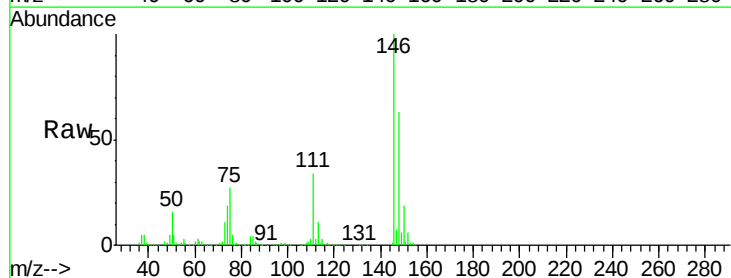
RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Tgt Ion:	146	Resp:	158521
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.7	56.1
148	64.8	32.4	97.0





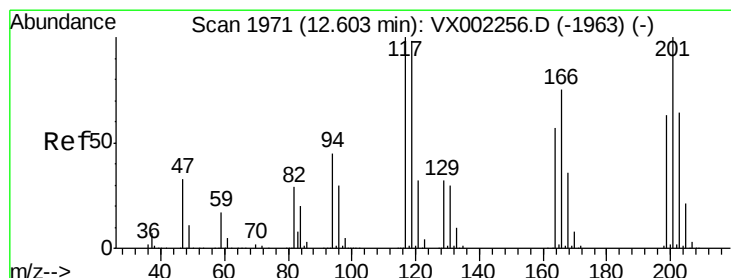
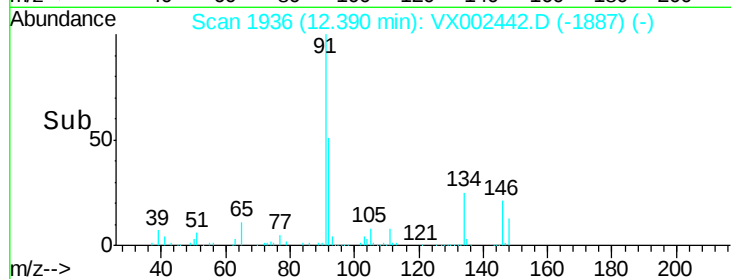
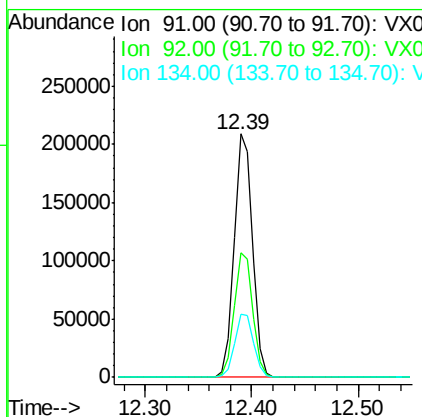
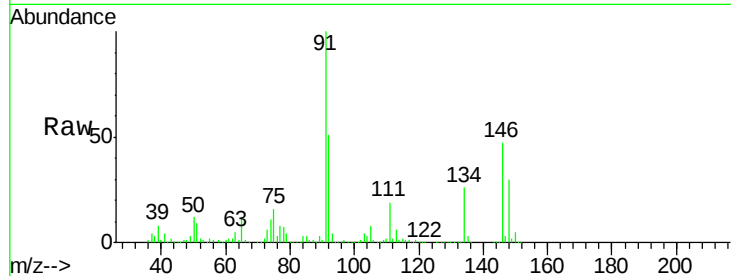
#89
n-Butylbenzene
Concen: 20.20 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.0	78.0
134	26.6	13.5	40.5

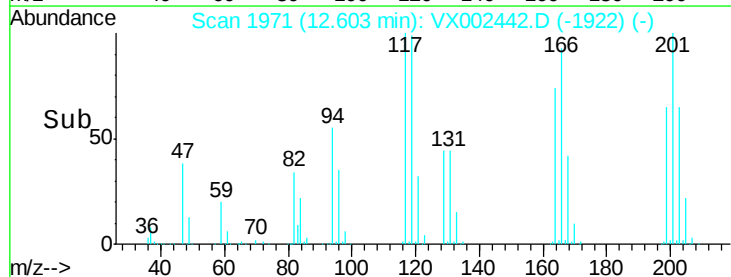
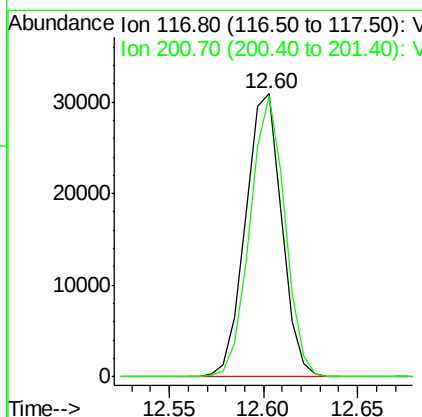
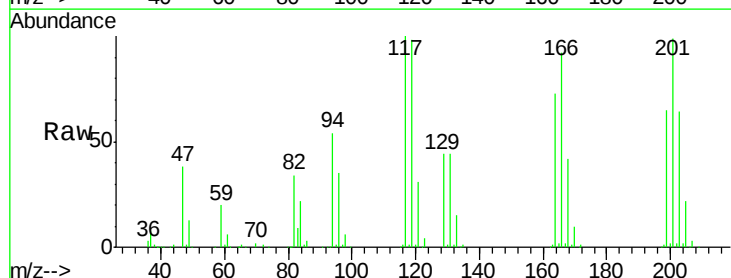
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#90
Hexachloroethane
Concen: 17.25 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.3	49.0	147.0





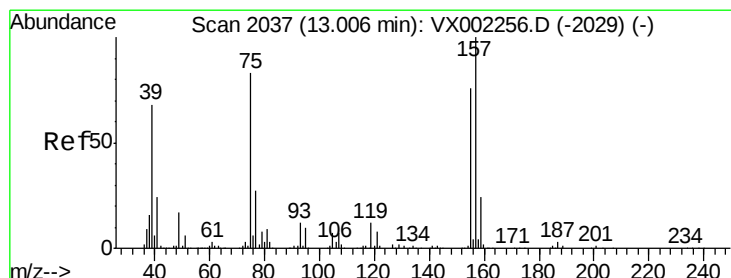
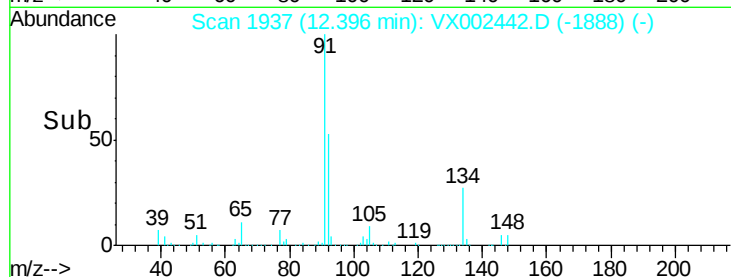
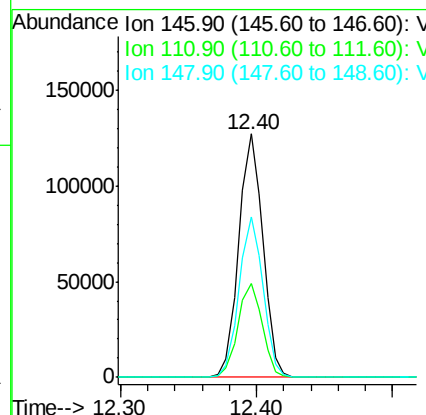
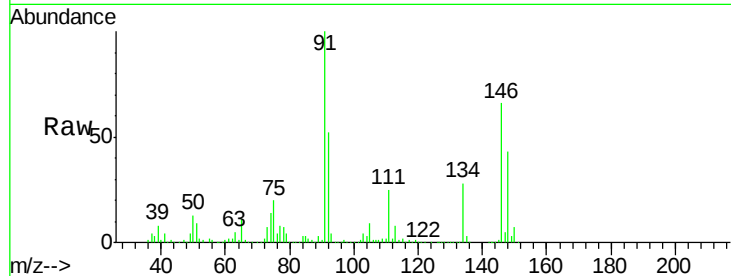
#91
1,2-Dichlorobenzene
Concen: 18.03 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Instrument :
MSVOA_X
ClientSampleId :
VX0611WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	156691		
111	38.9	19.4	58.1	
148	65.5	31.7	95.1	

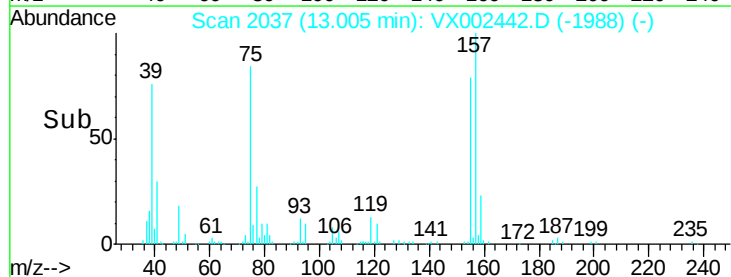
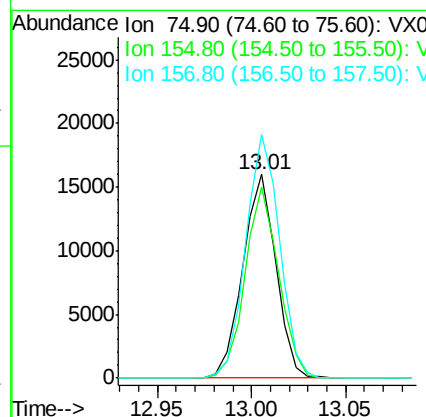
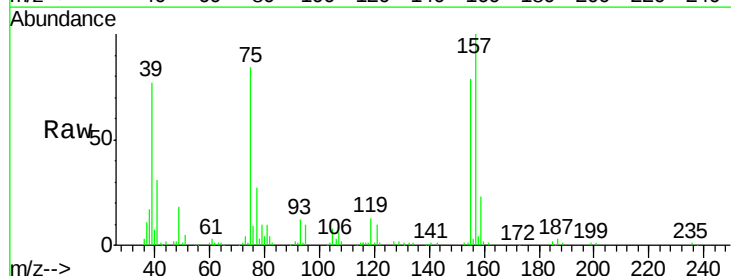
Manual Integrations
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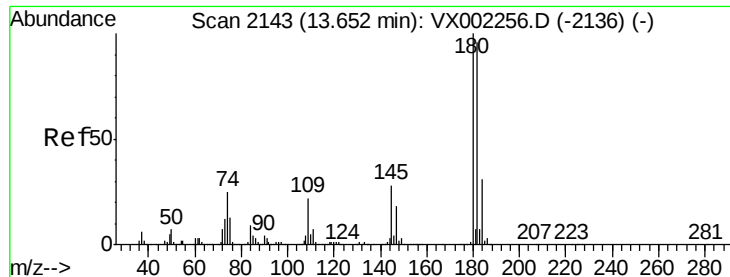
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#92
1,2-Dibromo-3-Chloropropane
Concen: 17.02 ug/l
RT: 13.01 min Scan# 2037
Delta R.T. -0.00 min
Lab File: VX002442.D
Acq: 11 Jun 2018 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19588		
155	94.6	45.8	137.4	
157	122.1	60.1	180.3	





#93

1,2,4-Trichlorobenzene

Concen: 18.90 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Instrument :

MSVOA_X

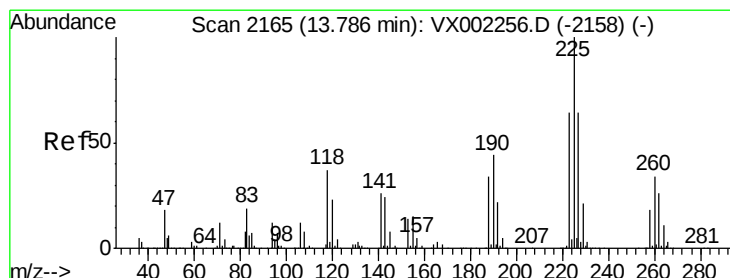
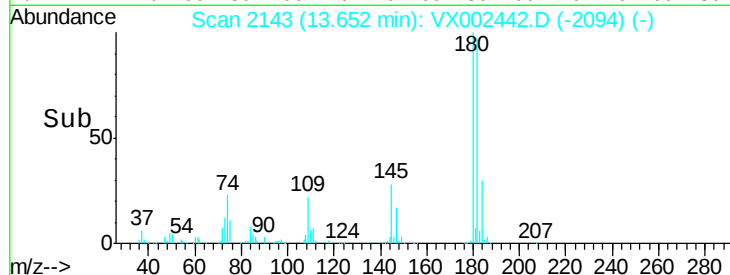
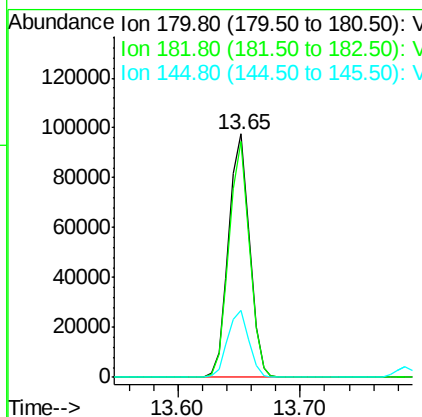
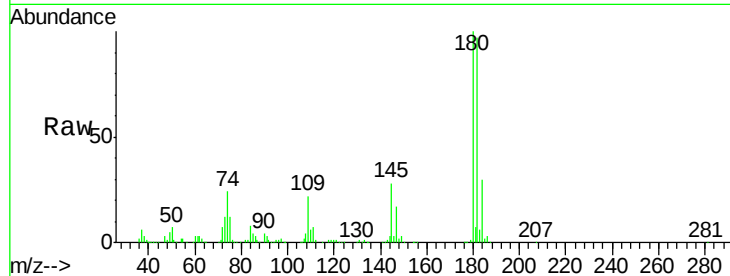
ClientSampleId :

VX0611WBSD01

Tot Ion:	180	Resp:	115181
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.7	143.1
145	28.1	14.1	42.4

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 20.07 ug/l

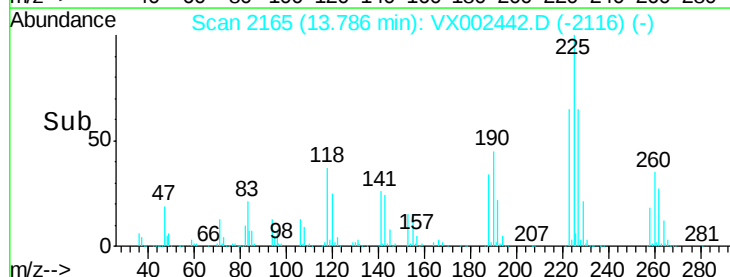
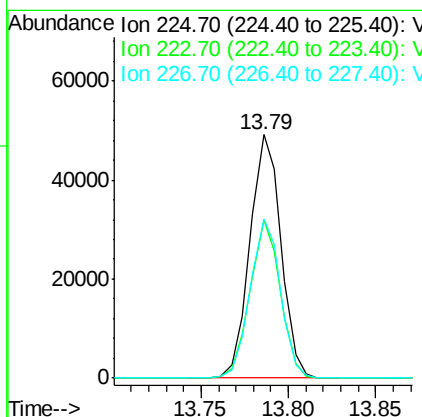
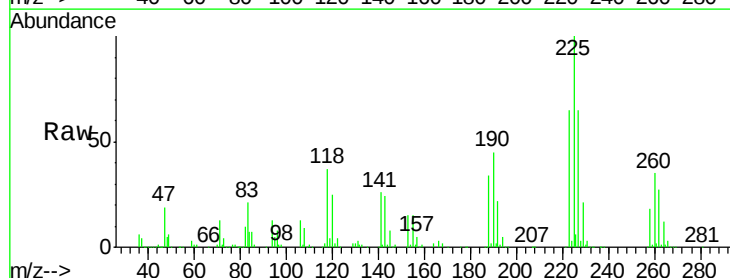
RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Tgt Ion:	225	Resp:	60423
Ion Ratio	Lower	Upper	
225	100		
223	63.5	31.6	95.0
227	64.0	32.4	97.2





#95

Naphthalene

Concen: 18.65 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Instrument :

MSVOA_X

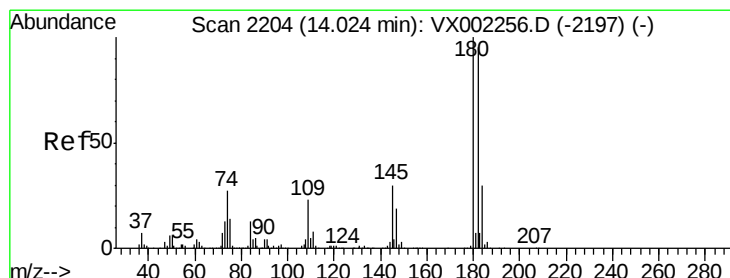
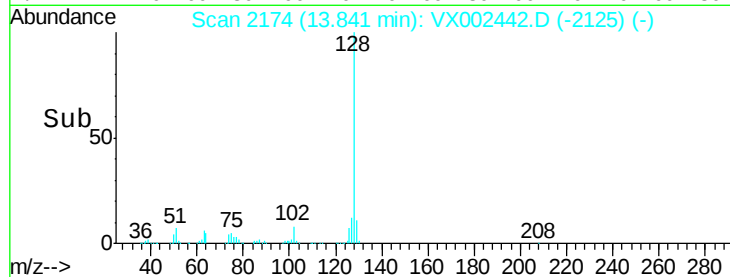
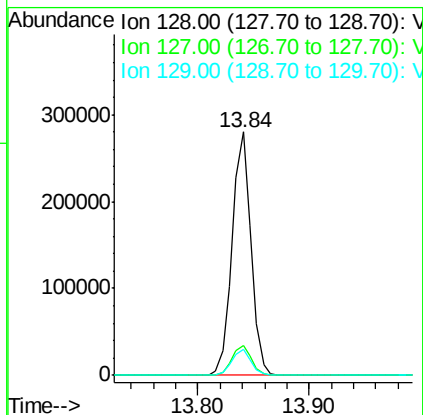
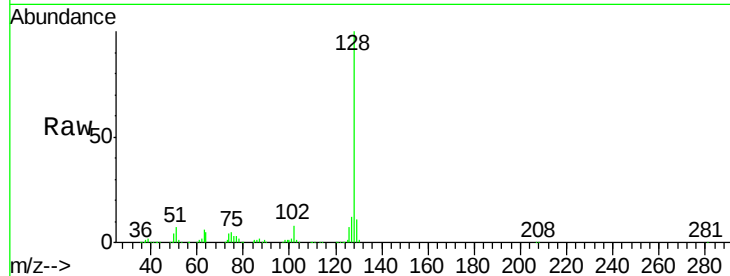
ClientSampleId :

VX0611WBSD01

Tot Ion:	128	Resp:	326593
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/12/2018 4:50:41 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.76 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002442.D

Acq: 11 Jun 2018 14:55

Tgt Ion:	180	Resp:	116568
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.0	144.0
145	30.1	14.8	44.3

