

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060518\
 Data File : VX002319.D
 Acq On : 05 Jun 2018 21:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/6/2018 4:10:43 PM

Quant Time: Jun 06 06:11:20 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	243293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	353853	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	346741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	225322	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	170788	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
35) Dibromofluoromethane	5.51	113	130841	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
50) Toluene-d8	8.72	98	516632	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
62) 4-Bromofluorobenzene	11.14	95	196795	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	127682	50.485	ug/l	99
3) Chloromethane	1.32	50	148666	51.381	ug/l	99
4) Vinyl Chloride	1.41	62	162054	50.841	ug/l	99
5) Bromomethane	1.64	94	94127	52.338	ug/l	98
6) Chloroethane	1.72	64	103711	50.300	ug/l	98
7) Trichlorofluoromethane	1.93	101	266732	54.922	ug/l	97
8) Diethyl Ether	2.19	74	94343	54.900	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	146861	56.037	ug/l	100
10) Methyl Iodide	2.51	142	185893	50.428	ug/l	99
11) Tert butyl alcohol	3.08	59	198834	281.339	ug/l	100
12) 1,1-Dichloroethene	2.37	96	133678	51.613	ug/l	99
13) Acrolein	2.30	56	90321	261.928	ug/l	99
14) Allyl chloride	2.73	41	263037	46.797	ug/l	99
15) Acrylonitrile	3.15	53	413200	280.228	ug/l	99
16) Acetone	2.45	43	393694	264.204	ug/l	100
17) Carbon Disulfide	2.57	76	305344	44.730	ug/l	99
18) Methyl Acetate	2.78	43	197880	57.160	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	492899	54.883	ug/l	99
20) Methylene Chloride	2.86	84	151308	55.296	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	142695	49.960	ug/l	97
22) Diisopropyl ether	3.88	45	465283	49.536	ug/l	98
23) Vinyl Acetate	3.83	43	1999528	219.443	ug/l	100
24) 1,1-Dichloroethane	3.70	63	270957	48.774	ug/l	99
25) 2-Butanone	4.71	43	538524	225.751	ug/l	99
26) 2,2-Dichloropropane	4.59	77	165605	38.136	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	141981	45.709	ug/l	94
28) Bromochloromethane	5.03	49	126074	53.618	ug/l	99
29) Tetrahydrofuran	5.17	42	353092	229.577	ug/l	100
30) Chloroform	5.22	83	253744	47.335	ug/l	99
31) Cyclohexane	5.57	56	221029	50.315	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	220620	48.528	ug/l	99
36) 1,1-Dichloropropene	5.81	75	184105	49.490	ug/l	99
37) Ethyl Acetate	4.87	43	215266	48.118	ug/l	99
38) Carbon Tetrachloride	5.79	117	191955	49.324	ug/l	97

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Manual Integrations
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 6/6/2018 4:10:43 PM

Quant Time: Jun 06 06:11:20 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	224896	48.940	ug/l	99
40) Benzene	6.15	78	556692	48.806	ug/l	99
41) Methacrylonitrile	5.07	41	119680	46.732	ug/l	99
42) 1,2-Dichloroethane	6.20	62	218521	48.220	ug/l	99
43) Isopropyl Acetate	6.47	43	352799	46.429	ug/l	100
44) Trichloroethene	7.21	130	159108	50.261	ug/l	98
45) 1,2-Dichloropropane	7.52	63	147430	47.878	ug/l	99
46) Dibromomethane	7.67	93	97358	46.640	ug/l	99
47) Bromodichloromethane	7.90	83	179056	47.428	ug/l	98
48) Methyl methacrylate	7.78	41	181840	47.641	ug/l	99
49) 1,4-Dioxane	7.76	88	70481	987.591	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1161584	245.473	ug/l	100
52) Toluene	8.79	92	366227	50.483	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	213794	47.222	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	197177	46.162	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	146483	49.094	ug/l	99
56) Ethyl methacrylate	9.18	69	224478	47.124	ug/l	99
57) 1,3-Dichloropropane	9.38	76	244074	48.760	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	542780	246.185	ug/l	99
59) 2-Hexanone	9.50	43	894269	244.667	ug/l	99
60) Dibromochloromethane	9.59	129	148218	49.387	ug/l	100
61) 1,2-Dibromoethane	9.68	107	154304	49.599	ug/l	100
64) Tetrachloroethene	9.34	164	186453	52.140	ug/l	98
65) Chlorobenzene	10.14	112	419511	48.623	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	150683	48.233	ug/l	100
67) Ethyl Benzene	10.26	91	727455	50.382	ug/l	99
68) m/p-Xylenes	10.37	106	571129	101.755	ug/l	99
69) o-Xylene	10.70	106	277095	49.609	ug/l	100
70) Styrene	10.71	104	467488	51.197	ug/l	99
71) Bromoform	10.86	173	113170	41.109	ug/l	98
73) Isopropylbenzene	11.02	105	756132	48.240	ug/l	100
74) N-amyl acetate	6.47	43	352799	41.772	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	215571	43.728	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	218188m	44.130	ug/l	
77) Bromobenzene	11.26	156	202777	46.081	ug/l	99
78) n-propylbenzene	11.37	91	864423	49.617	ug/l	100
79) 2-Chlorotoluene	11.43	91	508939	46.264	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	653443	48.604	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	54973	38.975	ug/l	93
82) 4-Chlorotoluene	11.52	91	605962	47.723	ug/l	100
83) tert-Butylbenzene	11.77	119	626307	47.839	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	670697	48.463	ug/l	99
85) sec-Butylbenzene	11.95	105	782257	50.968	ug/l	99
86) p-Isopropyltoluene	12.07	119	702209	50.230	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	374252	47.566	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	379289	46.768	ug/l	99
89) n-Butylbenzene	12.39	91	605453	51.638	ug/l	99
90) Hexachloroethane	12.60	117	99866	44.750	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	385314	47.332	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	49000	45.452	ug/l	99

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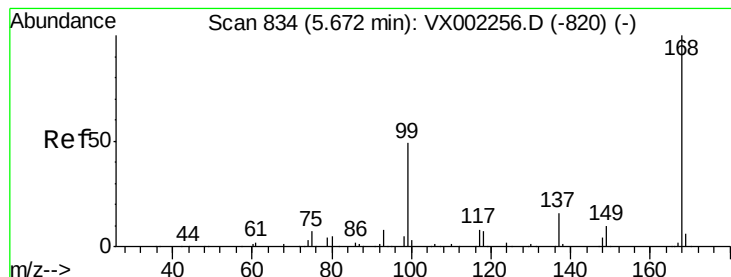
Manual Integrations
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Quant Time: Jun 06 06:11:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	276123	48.373	ug/l	100
94) Hexachlorobutadiene	13.79	225	145718	51.660	ug/l	99
95) Naphthalene	13.84	128	795060	48.477	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	281754	48.399	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002319.D

Acq: 05 Jun 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 243293

Ion Ratio Lower Upper

168 100

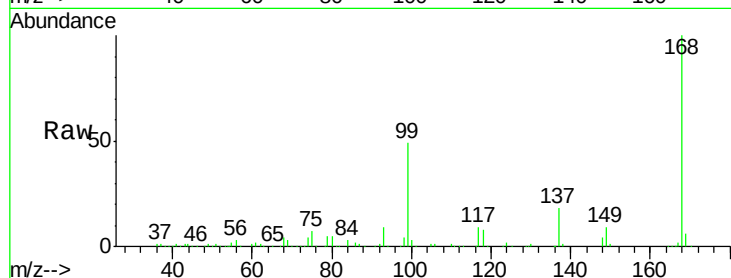
99 49.1 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

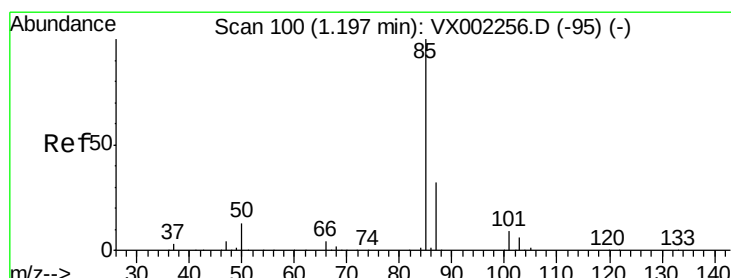
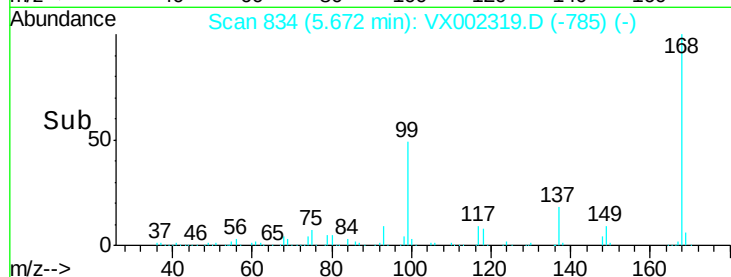
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.485 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002319.D

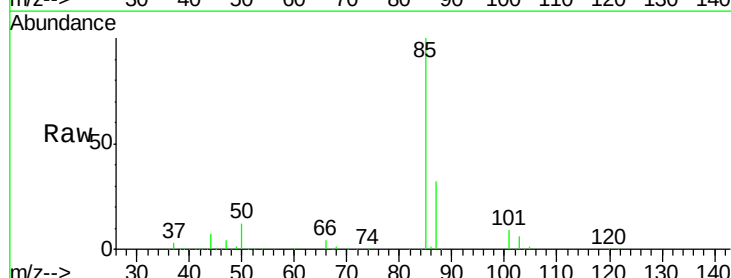
Acq: 05 Jun 2018 21:18

Tgt Ion: 85 Resp: 127682

Ion Ratio Lower Upper

85 100

87 31.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

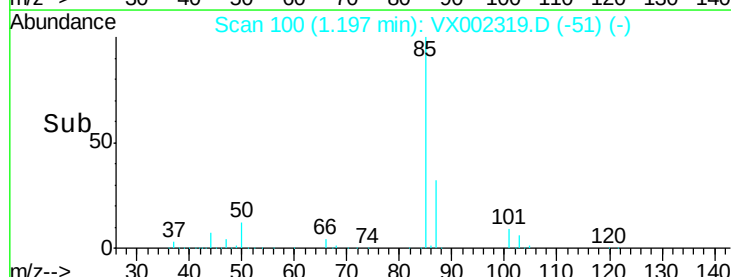
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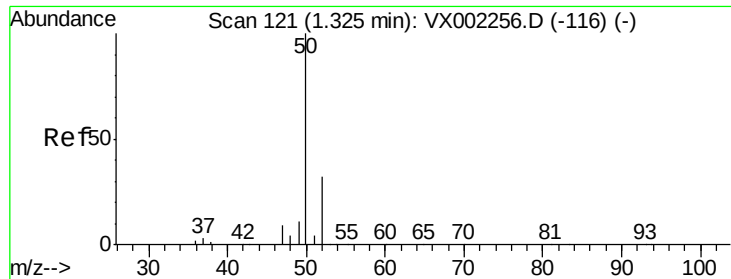
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50000

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Time-->





#3

Chloromethane

Concen: 51.381 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002319.D

Acq: 05 Jun 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 148666

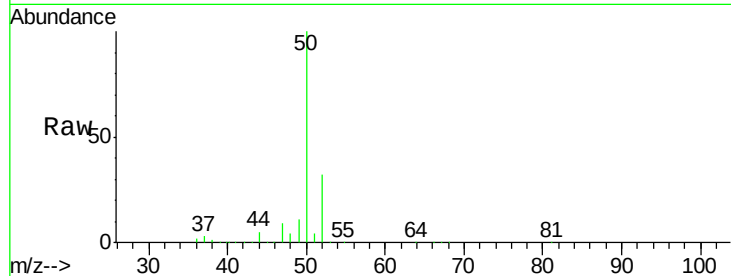
Ion Ratio Lower Upper

50 100

52 32.4 25.7 38.5

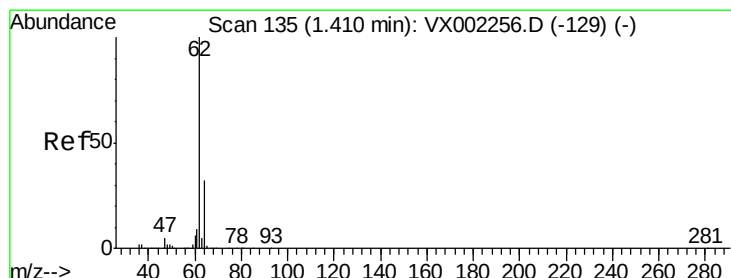
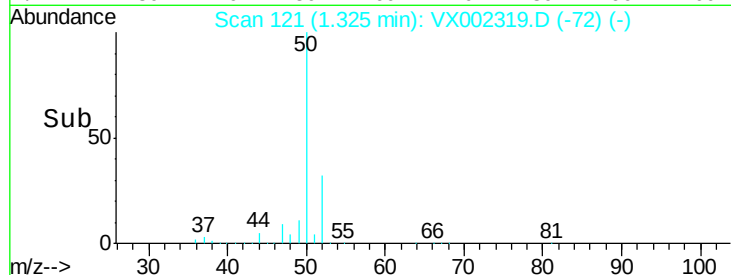
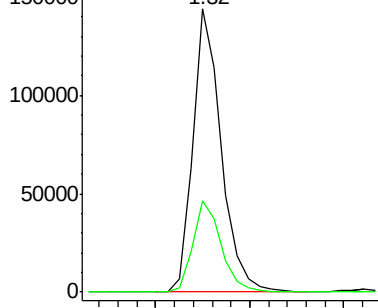
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 50.841 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX002319.D

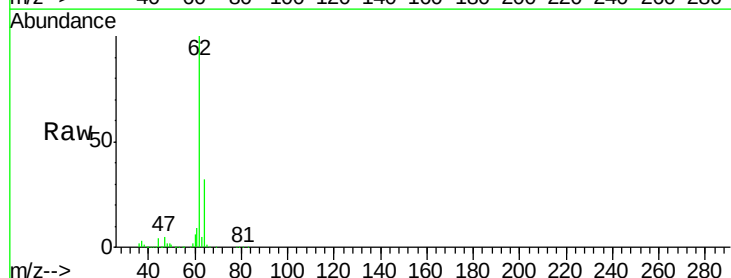
Acq: 05 Jun 2018 21:18

Tgt Ion: 62 Resp: 162054

Ion Ratio Lower Upper

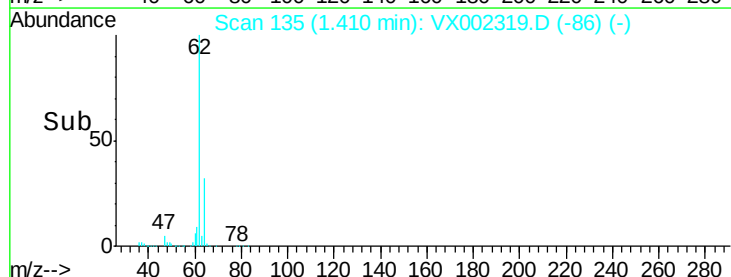
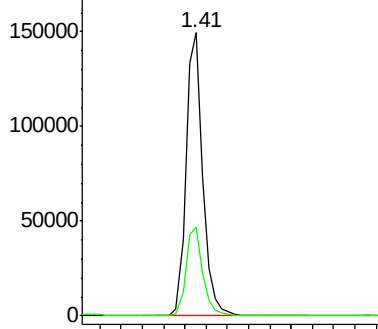
62 100

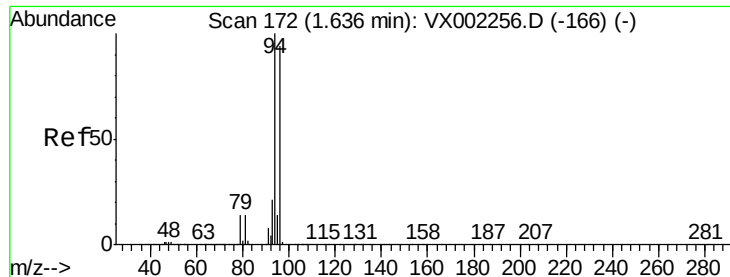
64 31.4 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 52.338 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002319.D

Acq: 05 Jun 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 94127

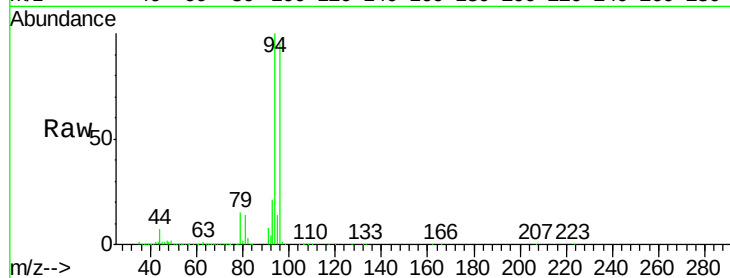
Ion Ratio Lower Upper

94 100

96 95.1 74.9 112.3

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

100000

80000

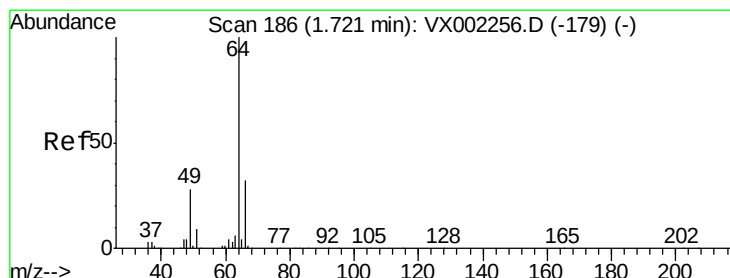
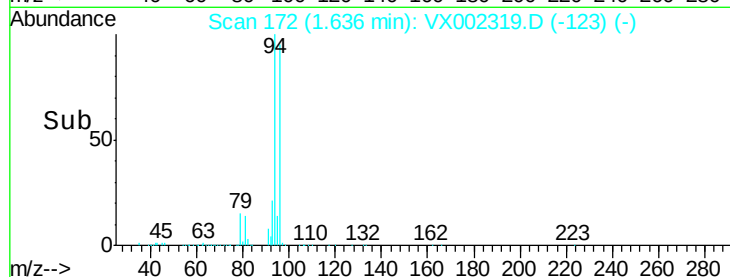
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 50.300 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX002319.D

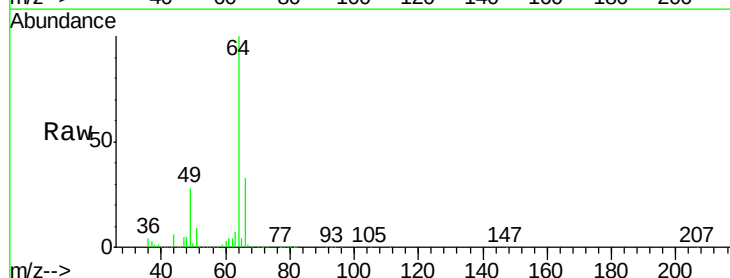
Acq: 05 Jun 2018 21:18

Tgt Ion: 64 Resp: 103711

Ion Ratio Lower Upper

64 100

66 33.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

80000

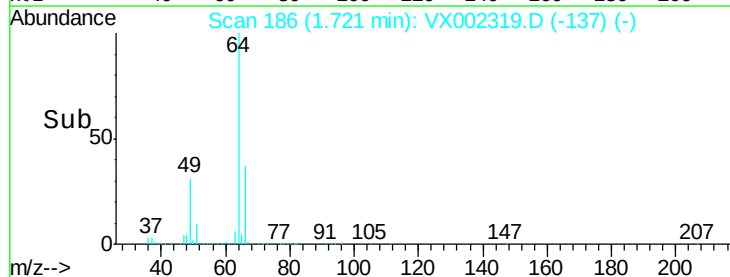
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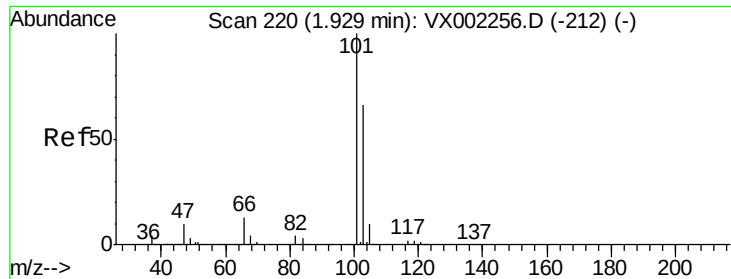
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Time-->





#7

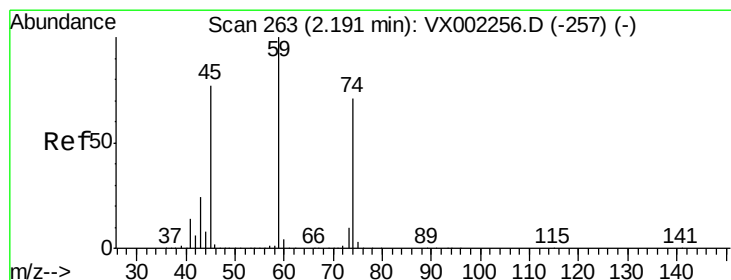
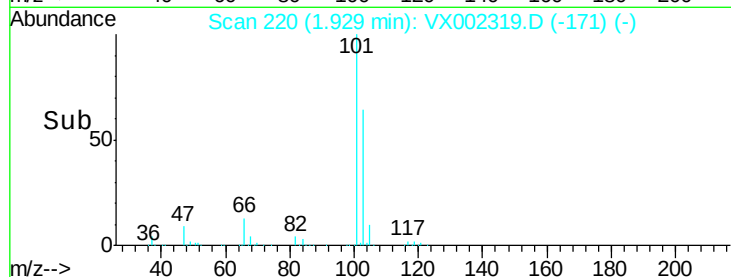
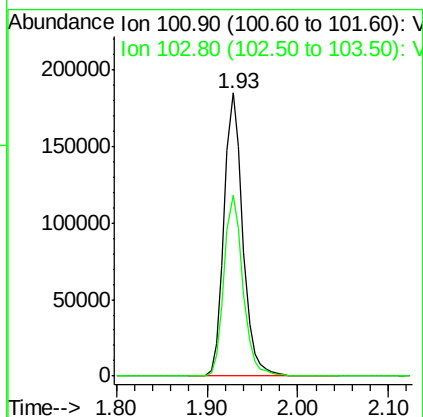
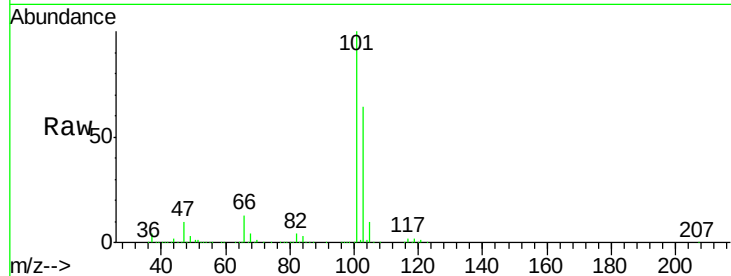
Trichlorofluoromethane
Concen: 54.922 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

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VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	266732		
103	63.8	52.8	79.2	

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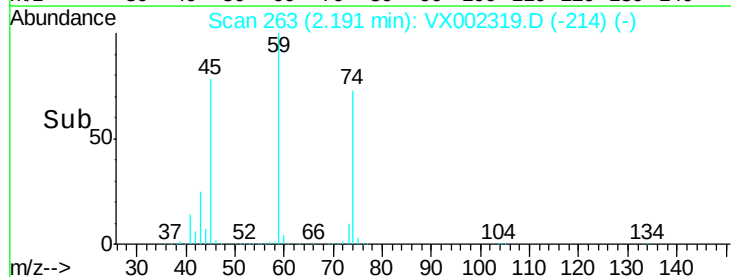
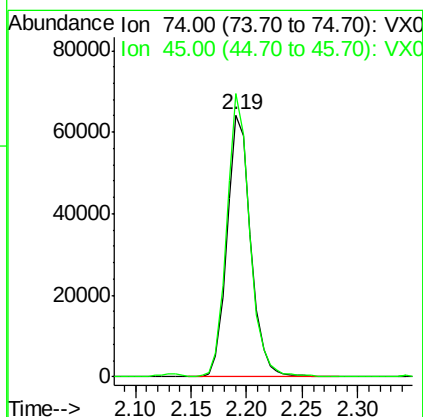
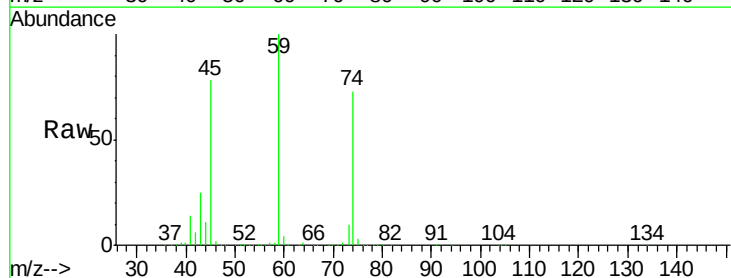
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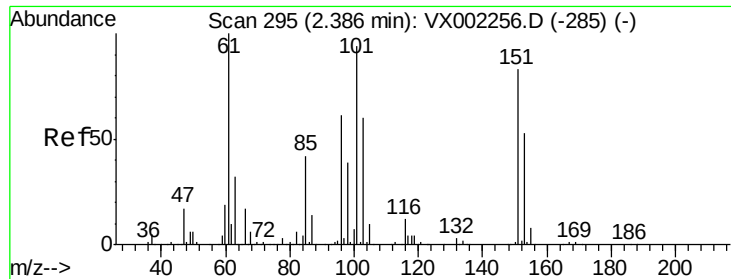


#8

Diethyl Ether
Concen: 54.900 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	94343		
45	104.1	53.1	159.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.037 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX002319.D

Acq: 05 Jun 2018 21:18

Instrument :

MSVOA_X

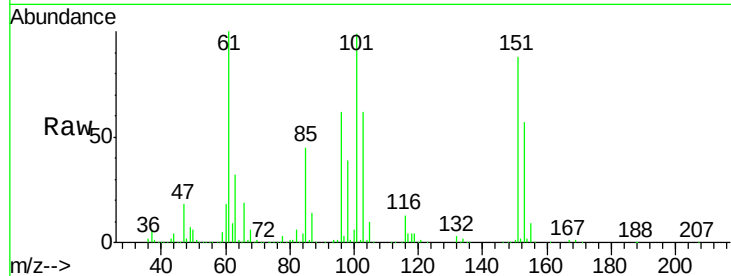
ClientSampleId :

VSTDCCC050EC

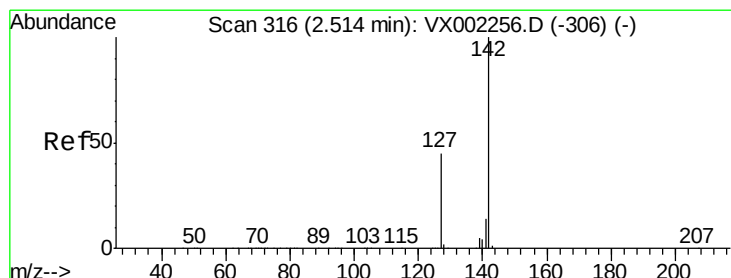
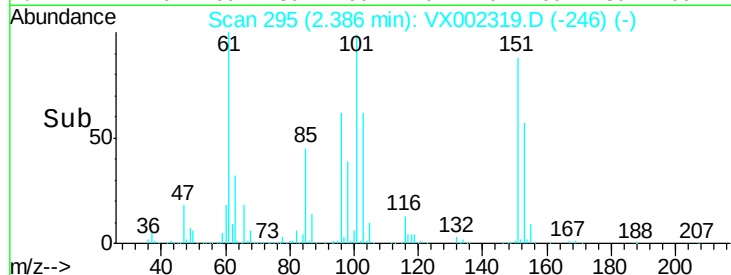
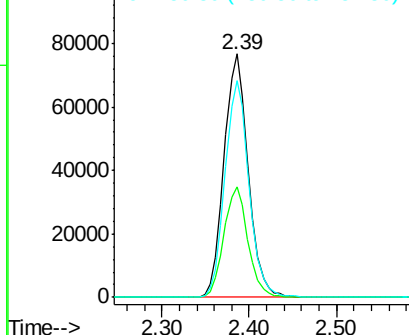
Tot Ion:	101	Resp:	146861
Ion Ratio	Lower	Upper	
101	100		
85	45.3	36.0	54.0
151	88.7	70.9	106.3

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



#10

Methyl Iodide

Concen: 50.428 ug/l

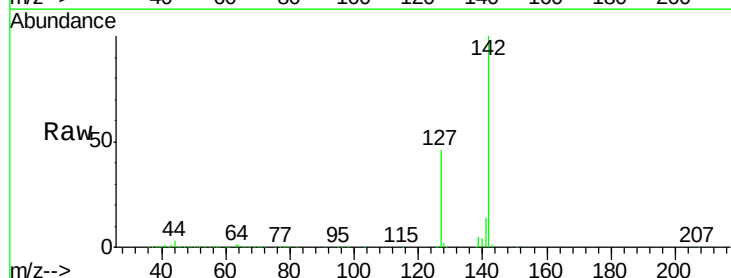
RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

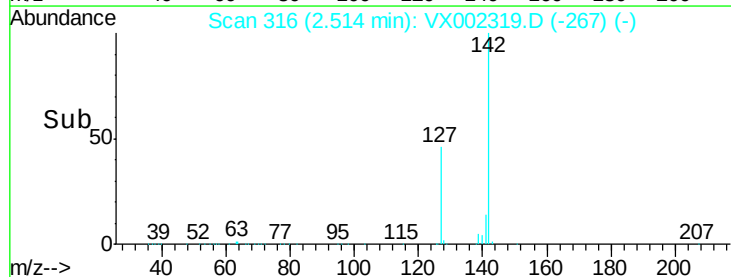
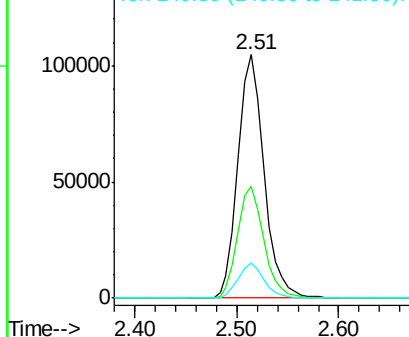
Lab File: VX002319.D

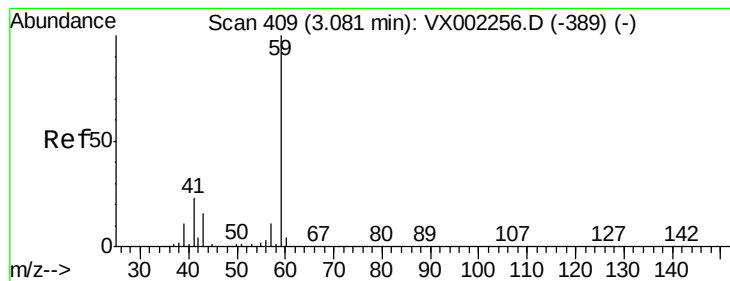
Acq: 05 Jun 2018 21:18

Tgt Ion:	142	Resp:	185893
Ion Ratio	Lower	Upper	
142	100		
127	46.2	36.6	55.0
141	14.4	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

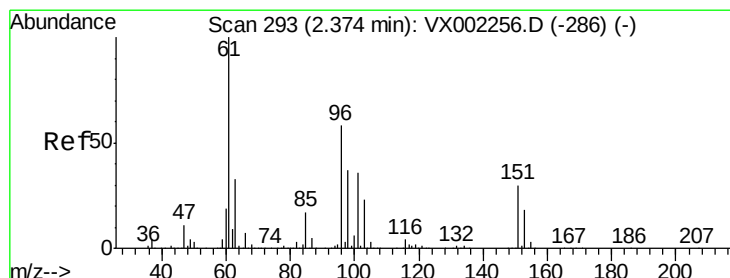
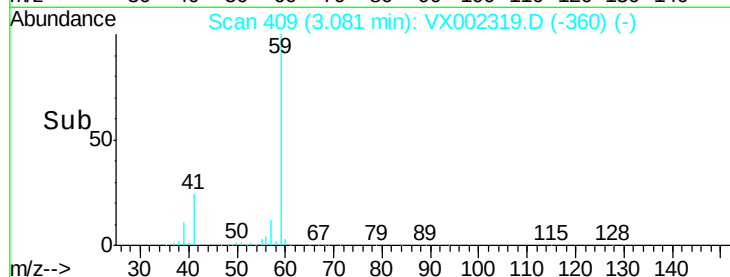
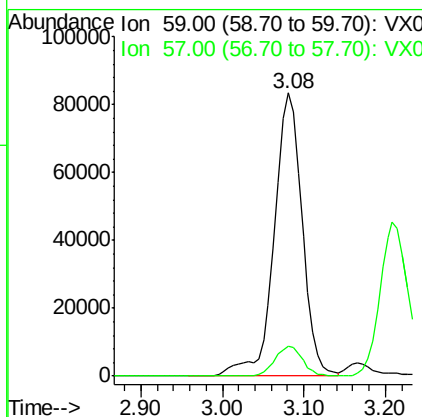
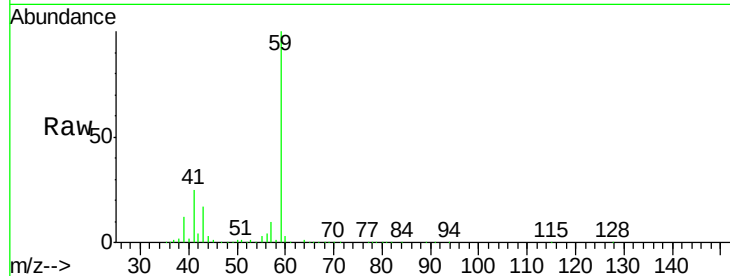
Tert butyl alcohol
 Concen: 281.339 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: VX002319.D
 Acq: 05 Jun 2018 21:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
59	100			
57	10.3	8.2	12.2	

Manual Integrations
 APPROVED

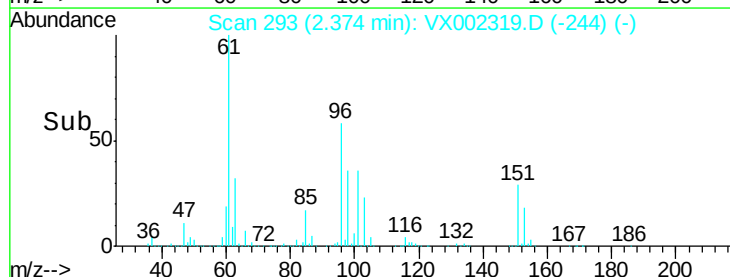
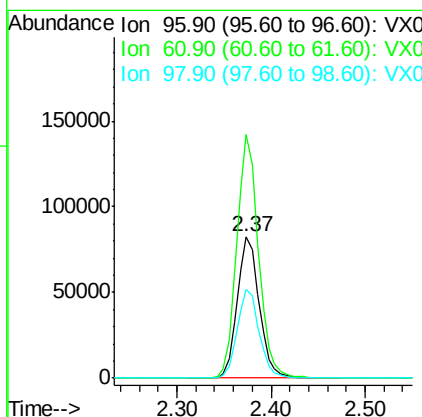
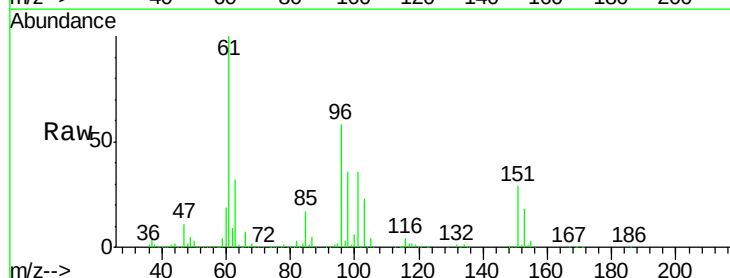
MMDadoda
 6/6/2018 4:10:43 PM

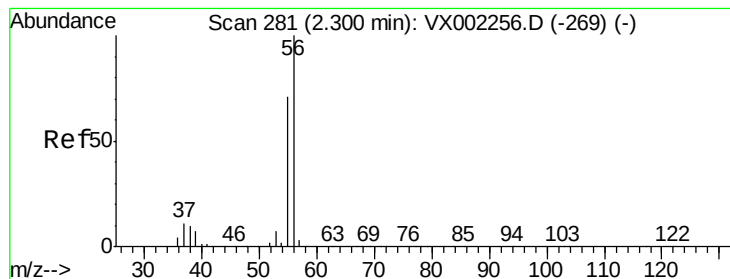


#12

1,1-Dichloroethene
 Concen: 51.613 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX002319.D
 Acq: 05 Jun 2018 21:18

Tgt Ion	Ion	Ratio	Lower	Upper
96	100			
61	171.9	137.9	206.9	
98	62.7	51.6	77.4	





#13

Acrolein

Concen: 261.928 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX002319.D

Acq: 05 Jun 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 90321

Ion Ratio Lower Upper

56 100

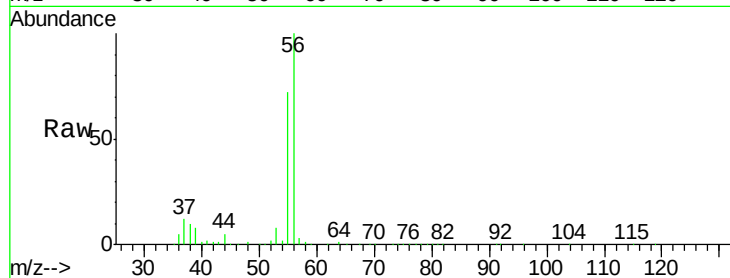
55 72.1 57.0 85.4

Manual Integrations

APPROVED

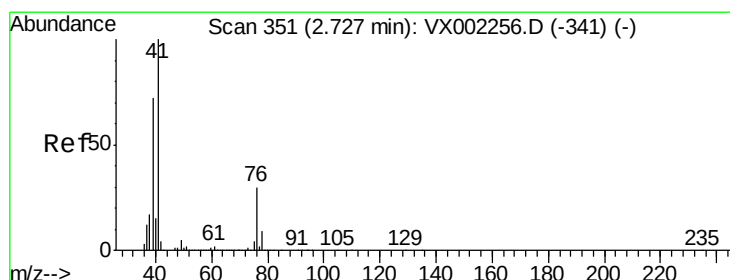
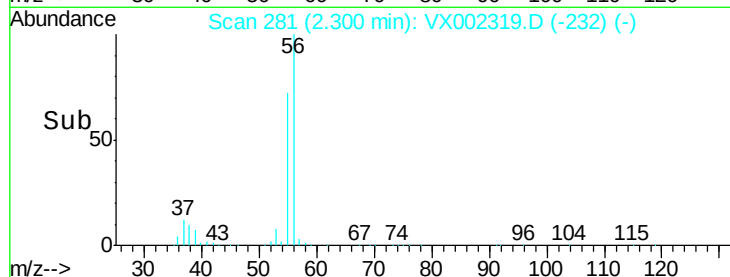
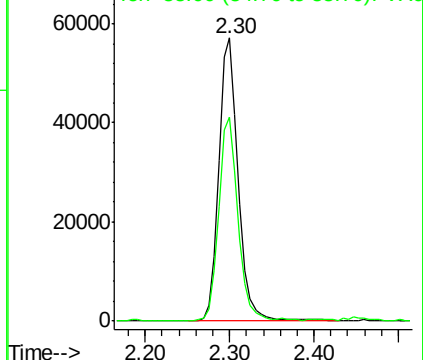
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 46.797 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002319.D

Acq: 05 Jun 2018 21:18

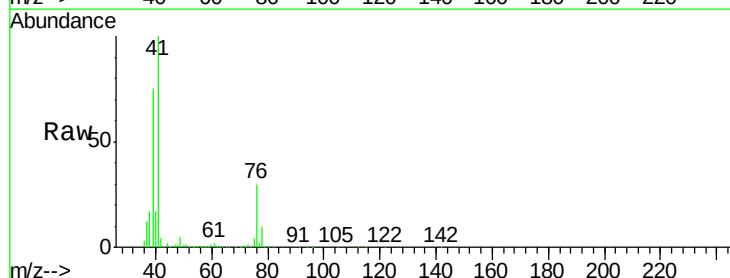
Tgt Ion: 41 Resp: 263037

Ion Ratio Lower Upper

41 100

39 72.5 56.8 85.2

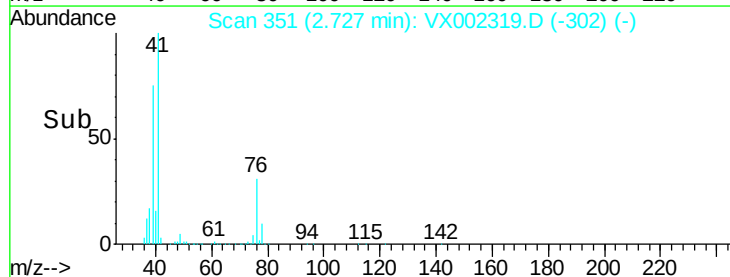
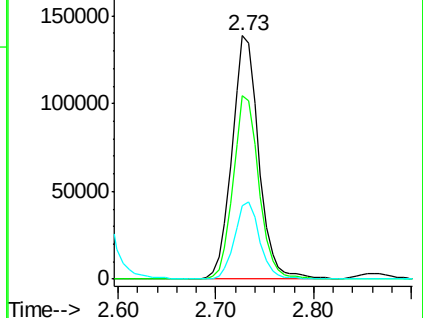
76 30.1 23.8 35.8

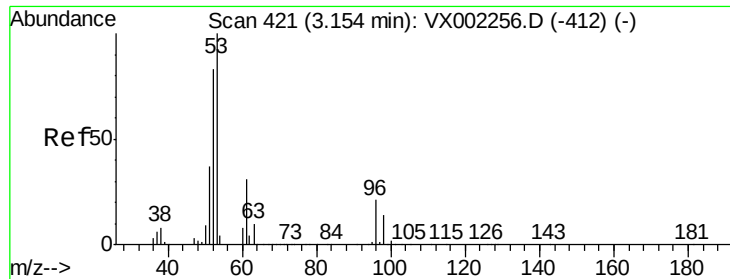


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 280.228 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002319.D

Acq: 05 Jun 2018 21:18

Instrument :

MSVOA_X

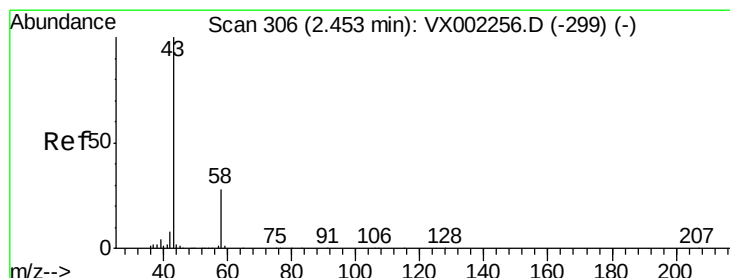
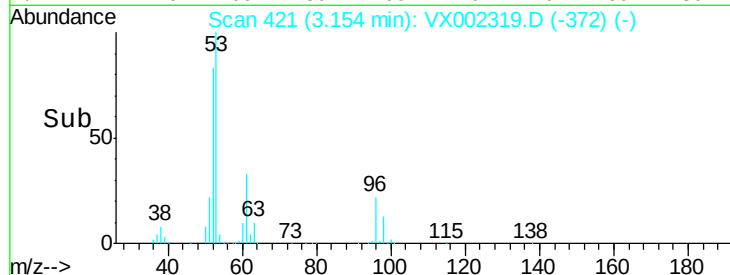
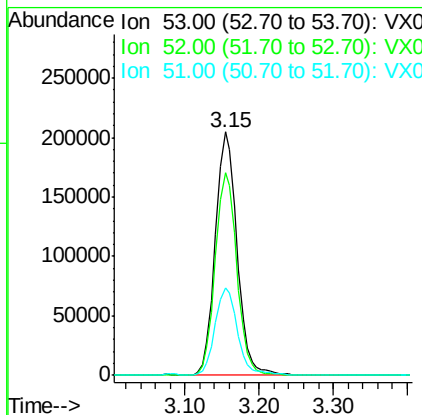
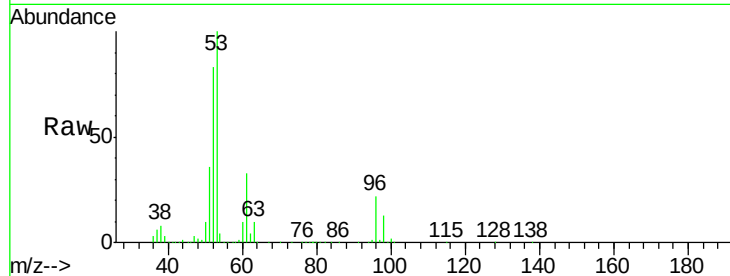
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	413200
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.7	100.1
51	37.1	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 264.204 ug/l

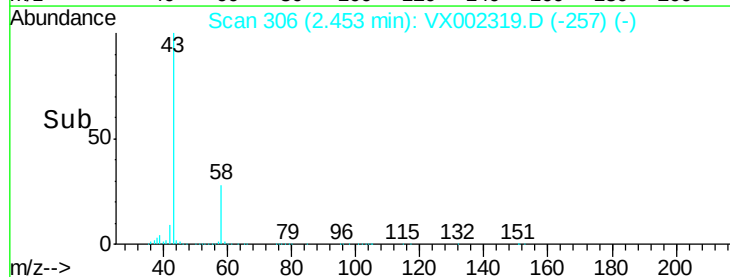
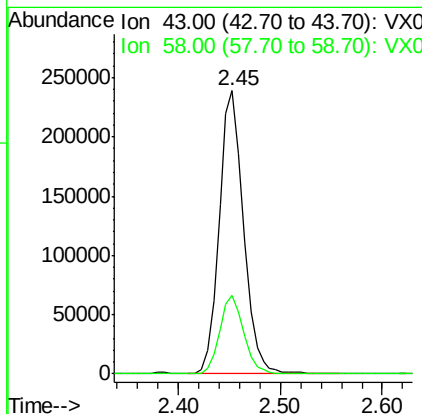
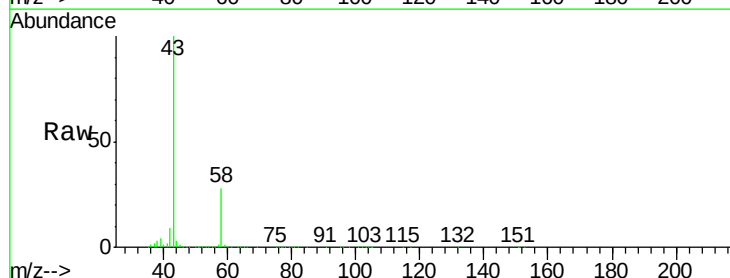
RT: 2.45 min Scan# 306

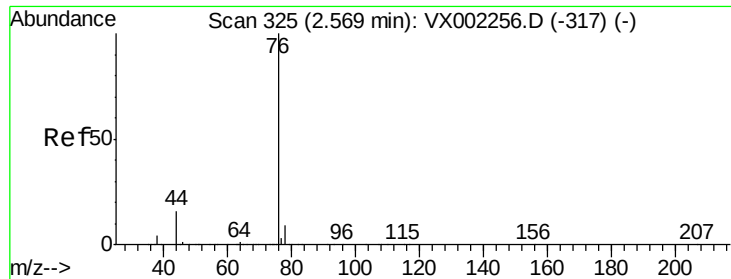
Delta R.T. 0.00 min

Lab File: VX002319.D

Acq: 05 Jun 2018 21:18

Tgt Ion:	43	Resp:	393694
Ion	Ratio	Lower	Upper
43	100		
58	27.7	22.1	33.1





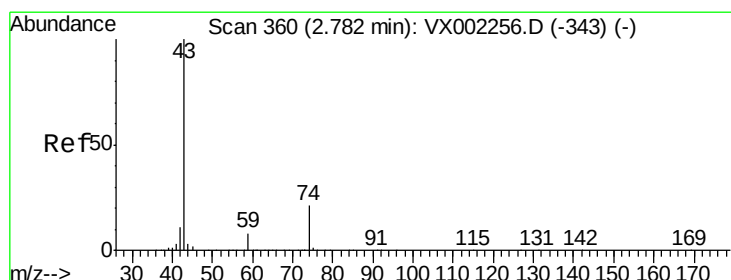
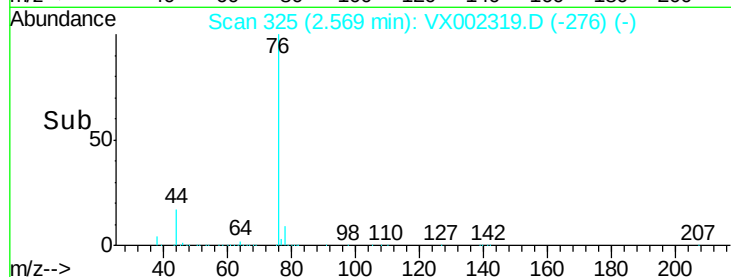
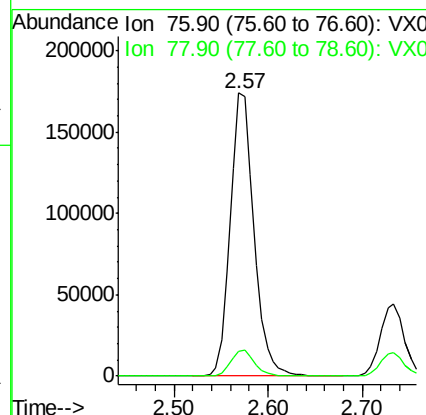
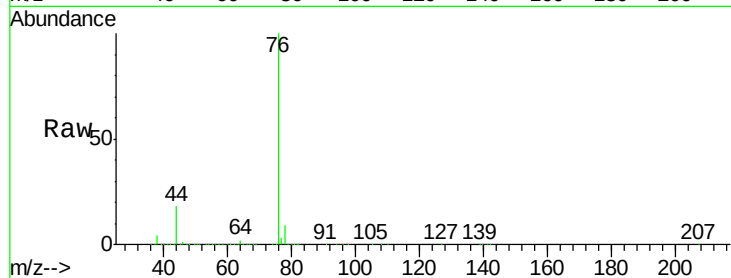
#17
Carbon Disulfide
Concen: 44.730 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.9	10.3

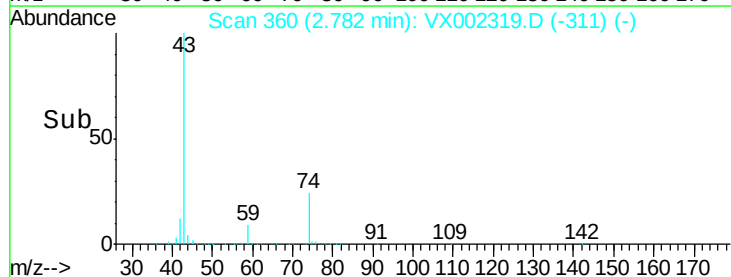
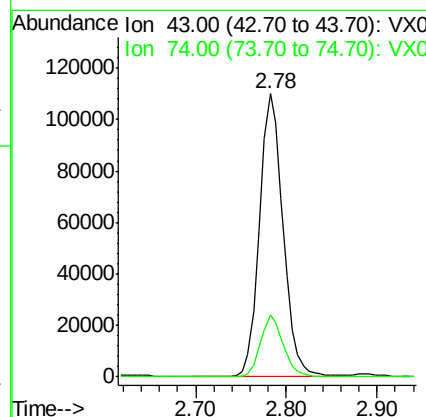
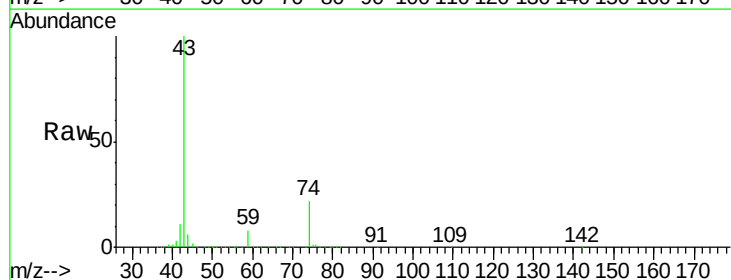
Manual Integrations
APPROVED

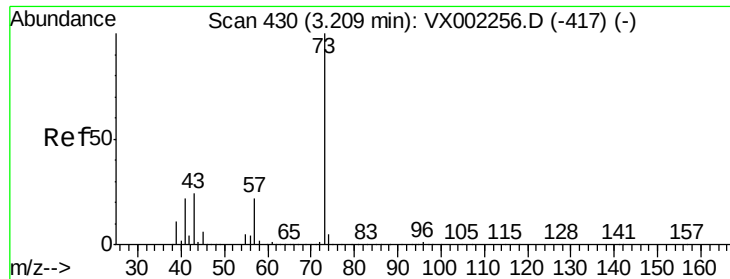
MMDadoda
6/6/2018 4:10:43 PM



#18
Methyl Acetate
Concen: 57.160 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.7	25.1





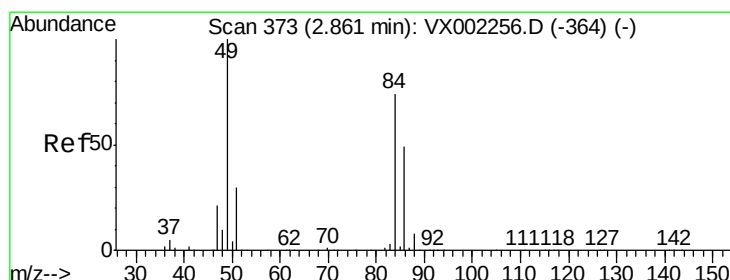
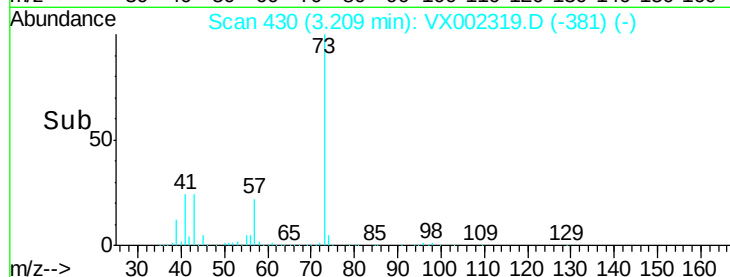
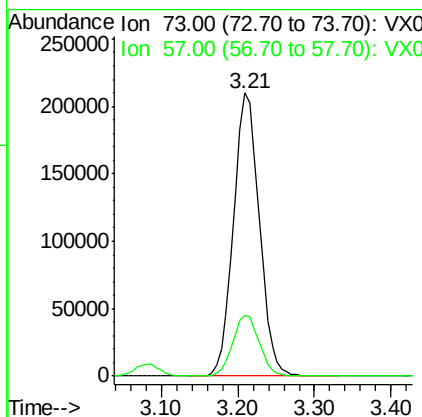
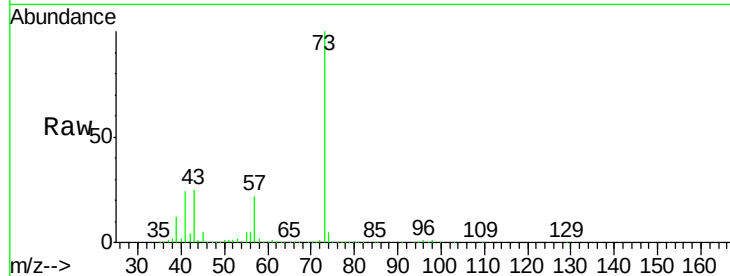
#19
Methvl tert-butvl Ether
Concen: 54.883 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 492899
Ion Ratio Lower Upper
73 100
57 21.6 17.7 26.5

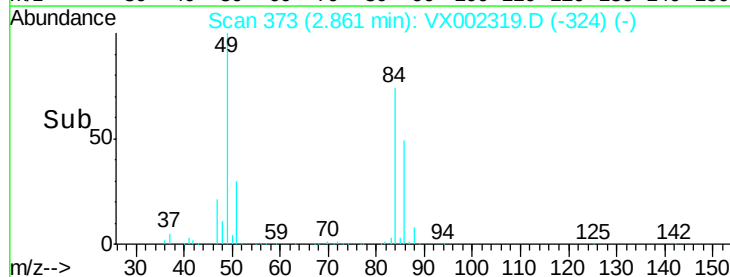
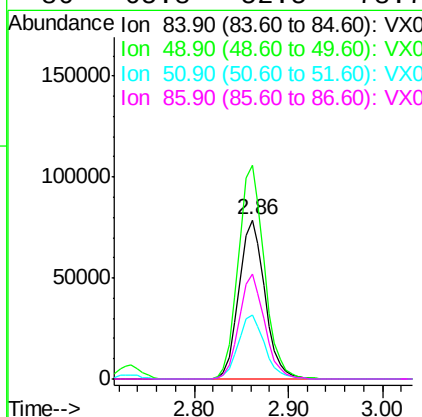
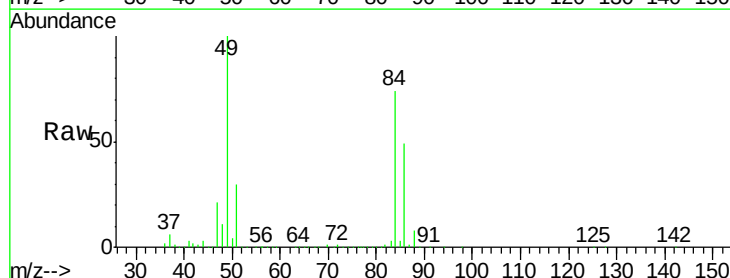
Manual Integrations
APPROVED

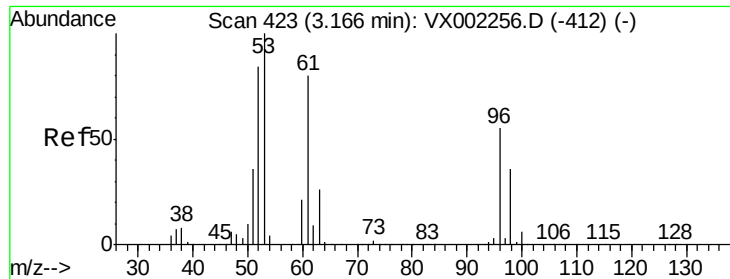
MMDadoda
6/6/2018 4:10:43 PM



#20
Methylene Chloride
Concen: 55.296 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Tgt Ion: 84 Resp: 151308
Ion Ratio Lower Upper
84 100
49 134.4 107.8 161.6
51 40.4 32.8 49.2
86 65.8 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 49.960 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002319.D

Acq: 05 Jun 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 142695

Ion Ratio Lower Upper

96 100

61 150.0 117.0 175.4

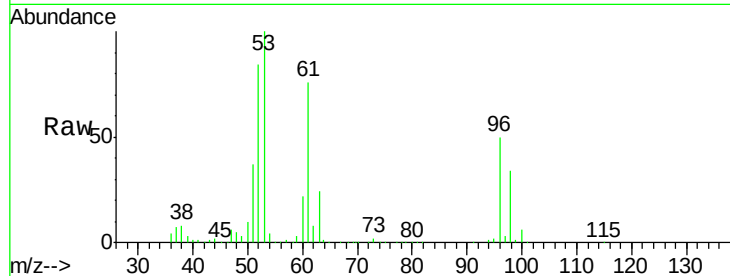
98 67.5 52.4 78.6

Manual Integrations

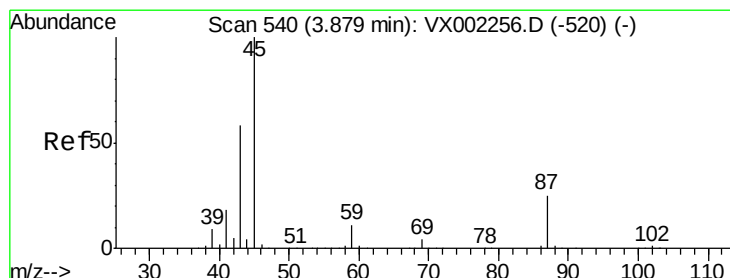
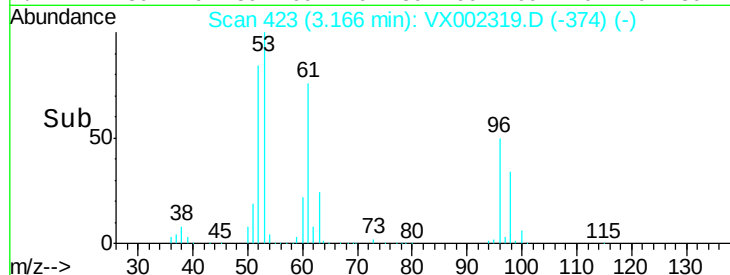
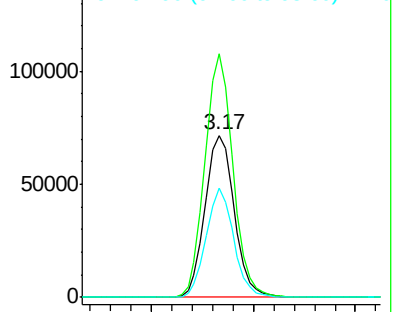
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6/6/2018 4:10:43 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 49.536 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX002319.D

Acq: 05 Jun 2018 21:18

Tgt Ion: 45 Resp: 465283

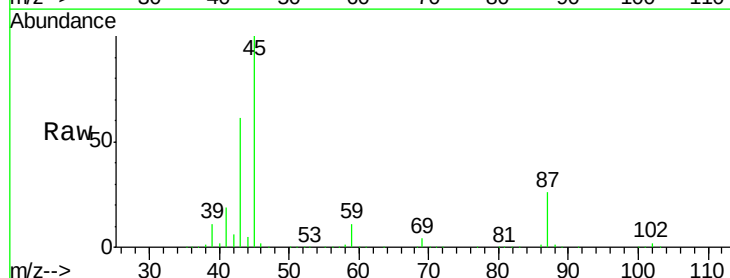
Ion Ratio Lower Upper

45 100

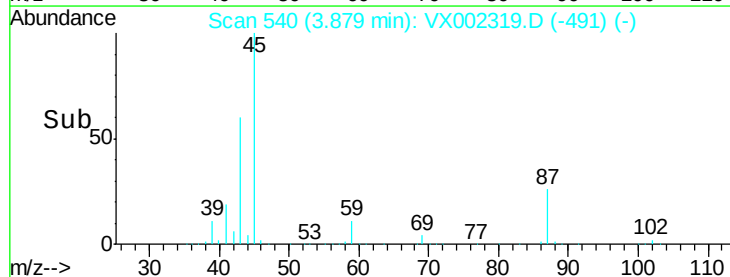
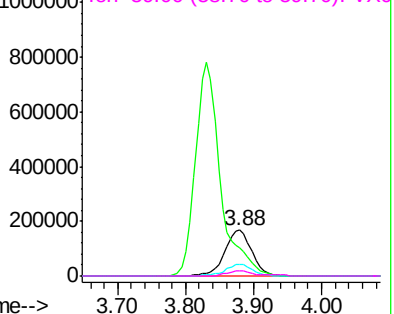
43 60.5 46.8 70.2

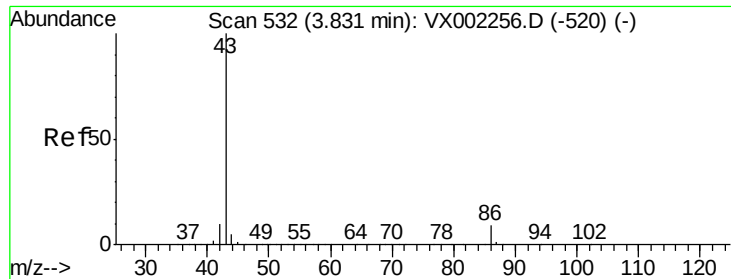
87 25.7 20.2 30.4

59 11.1 8.7 13.1



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 219.443 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX002319.D

Acq: 05 Jun 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1999528

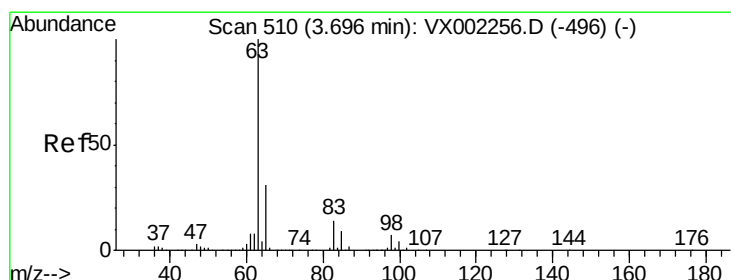
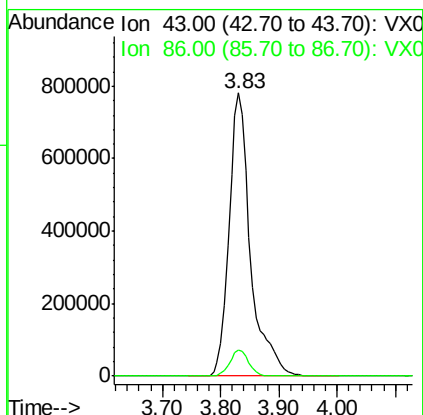
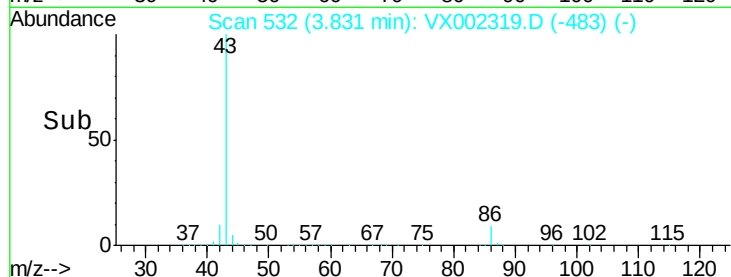
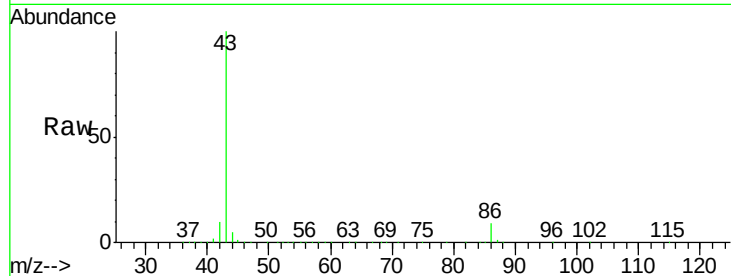
Ion Ratio Lower Upper

43 100

86 9.2 7.4 11.0

Manual Integrations
APPROVED

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#24

1,1-Dichloroethane

Concen: 48.774 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002319.D

Acq: 05 Jun 2018 21:18

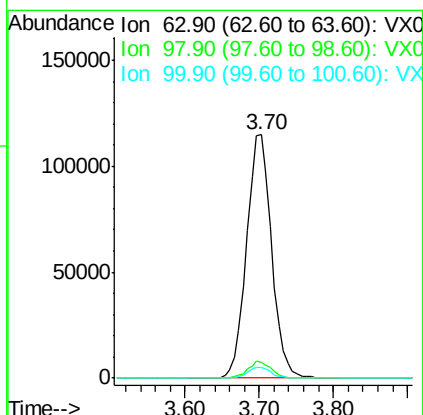
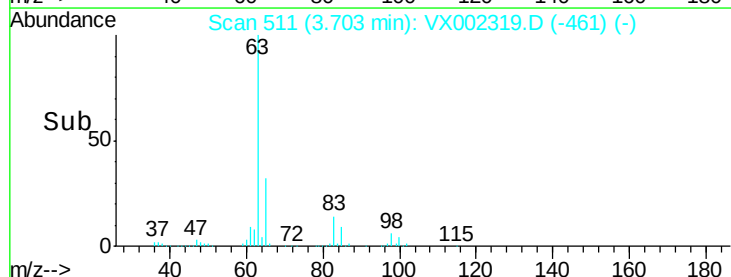
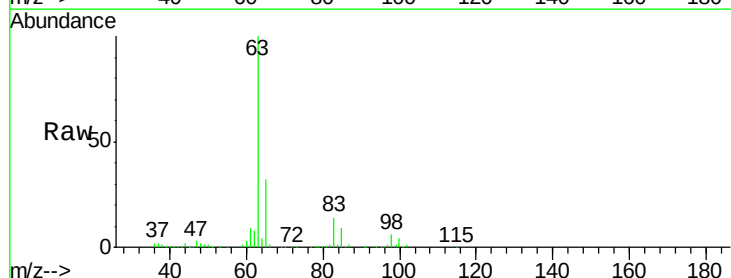
Tgt Ion: 63 Resp: 270957

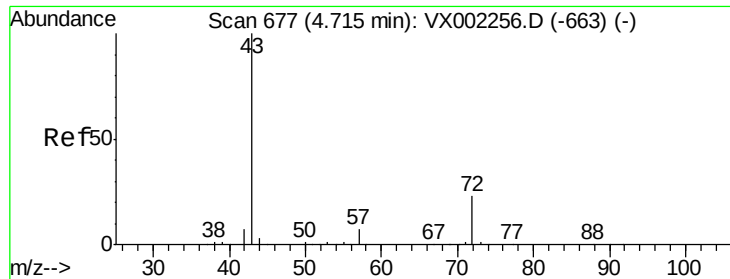
Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.2

100 4.4 2.0 6.0





#25

2-Butanone

Concen: 225.751 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX002319.D

Acq: 05 Jun 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 538524

Ion Ratio Lower Upper

43 100

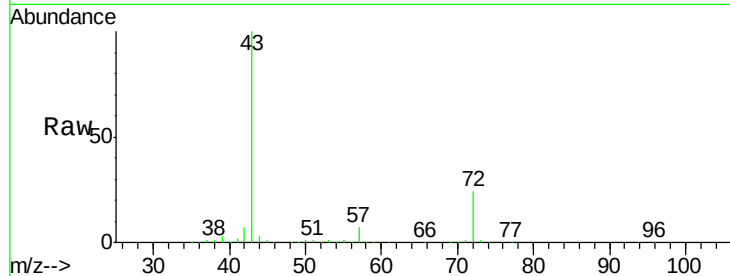
72 23.5 18.5 27.7

Manual Integrations

APPROVED

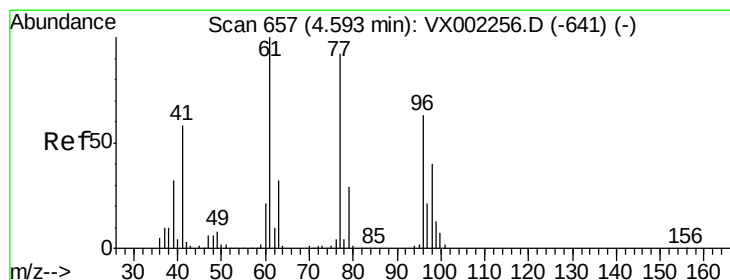
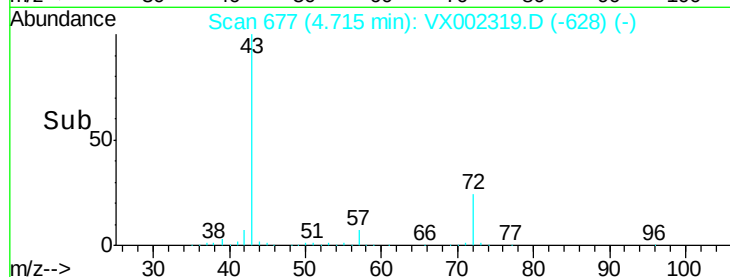
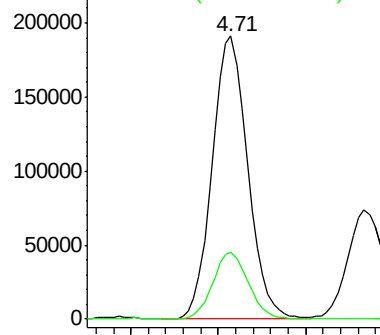
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 38.136 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX002319.D

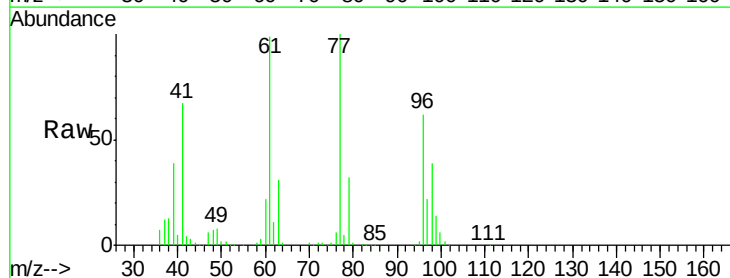
Acq: 05 Jun 2018 21:18

Tgt Ion: 77 Resp: 165605

Ion Ratio Lower Upper

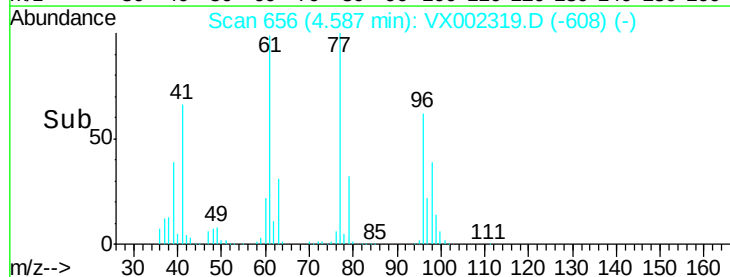
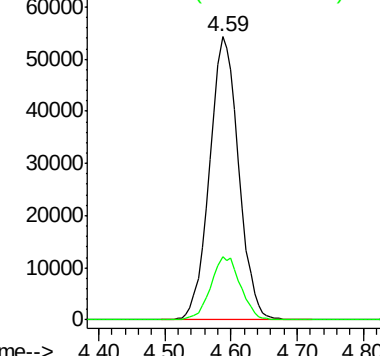
77 100

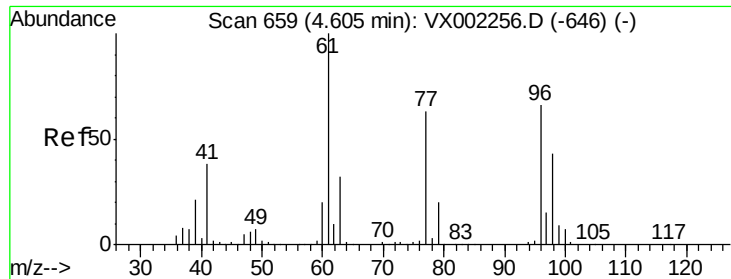
97 22.8 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

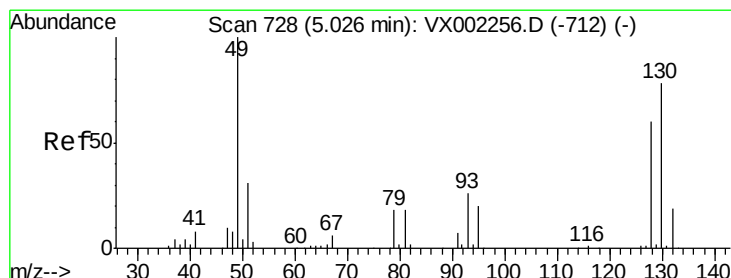
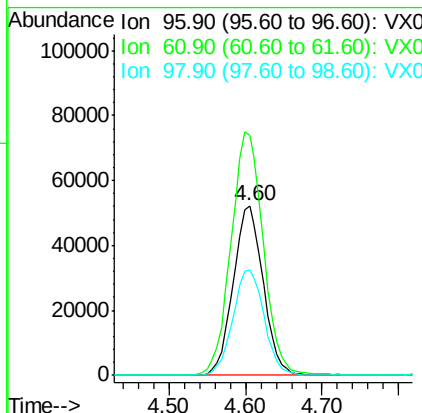
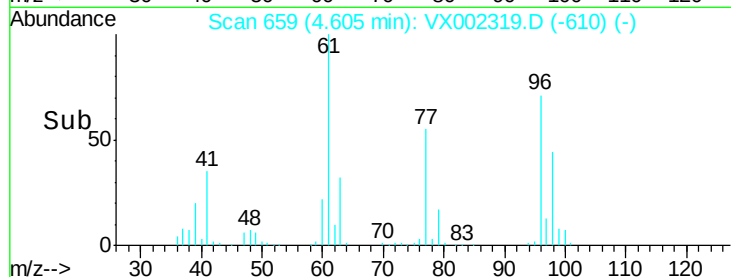
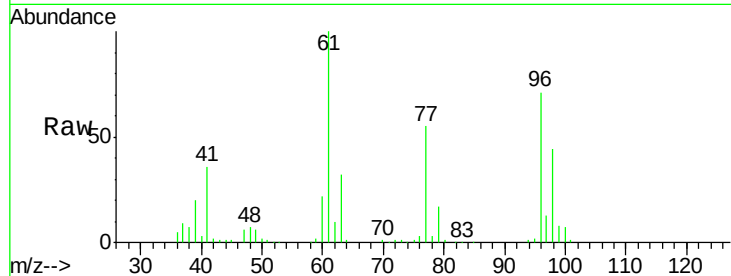
cis-1,2-Dichloroethene
Concen: 45.709 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.4	0.0	330.2
98	64.4	0.0	130.2

Manual Integrations
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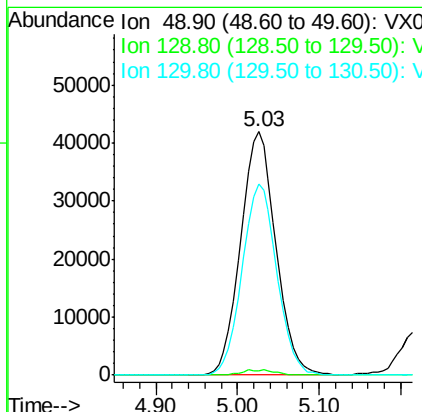
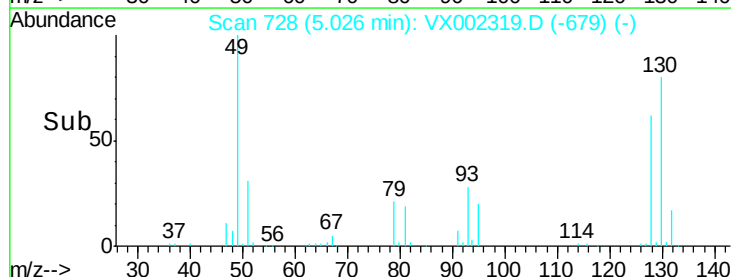
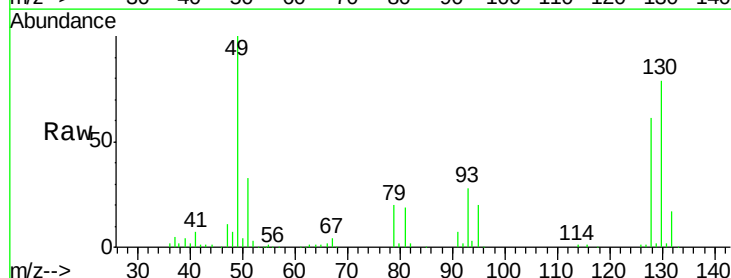
MMDadoda
6/6/2018 4:10:43 PM

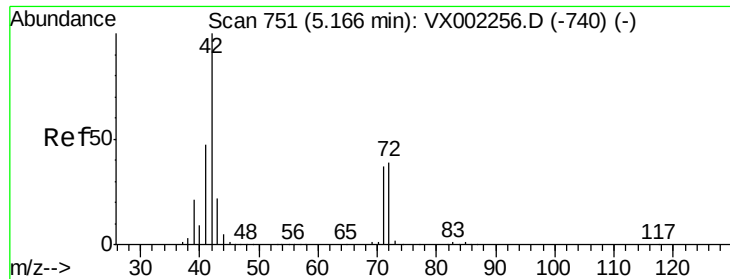


#28

Bromochloromethane
Concen: 53.618 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	77.3	61.2	91.8





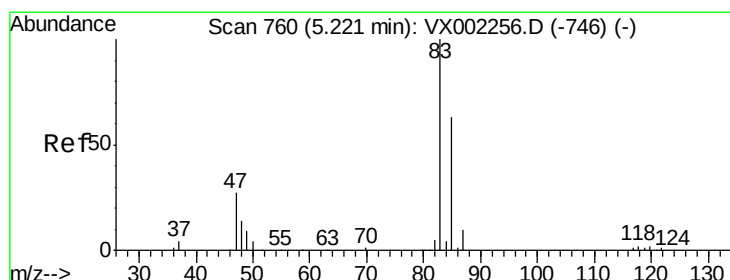
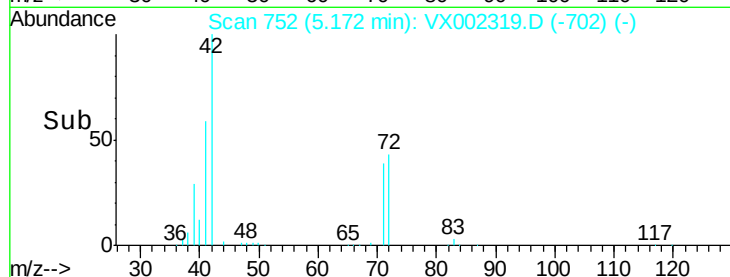
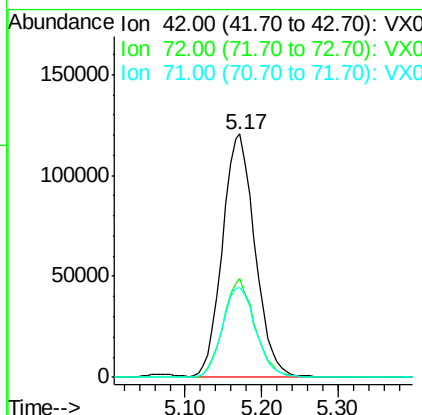
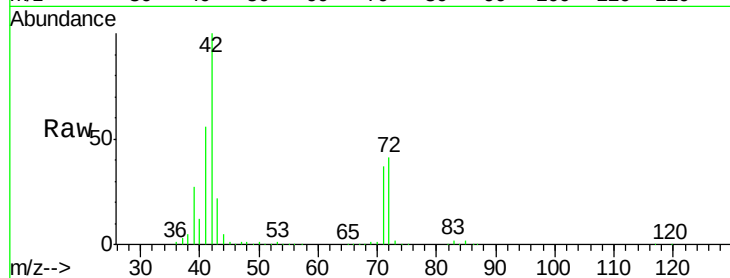
#29
Tetrahydrofuran
Concen: 229.577 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	32.0	48.0
71	37.8	30.1	45.1

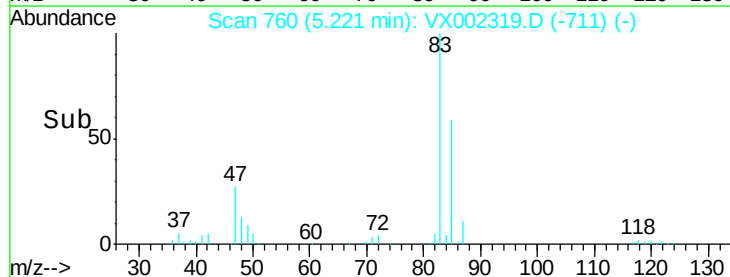
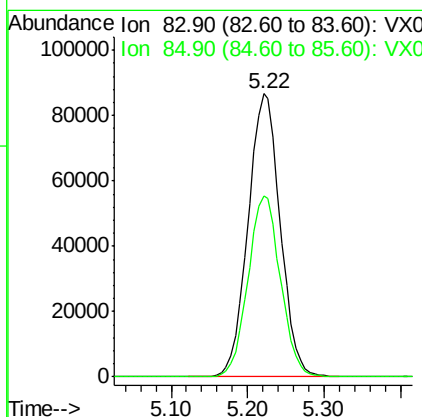
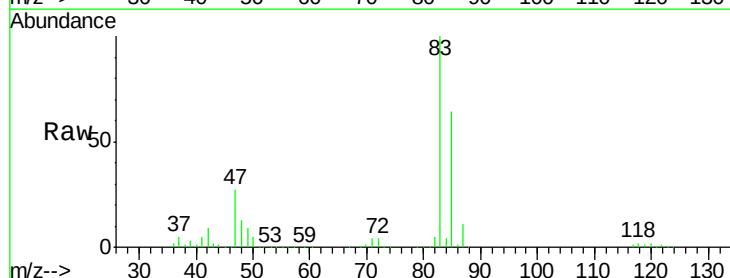
Manual Integrations
APPROVED

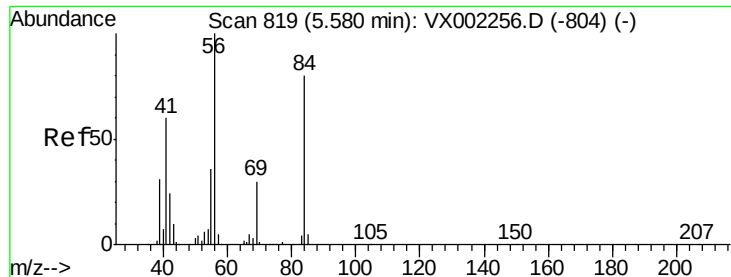
MMDadoda
6/6/2018 4:10:43 PM



#30
Chloroform
Concen: 47.335 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.4	75.6





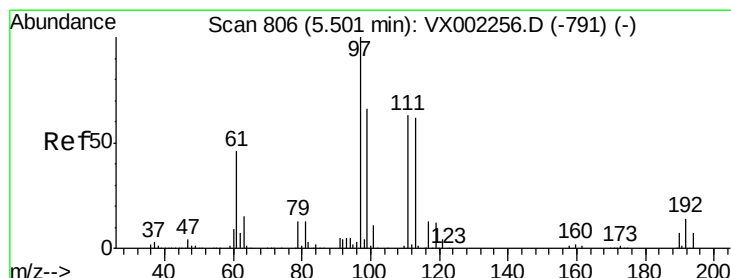
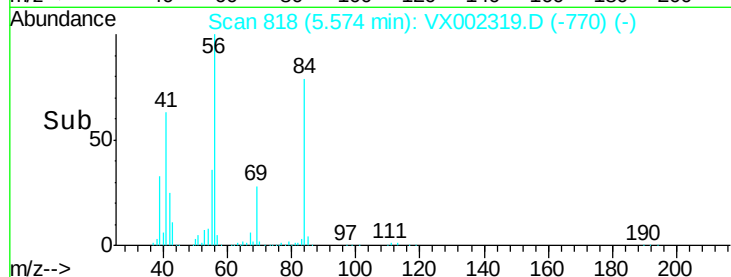
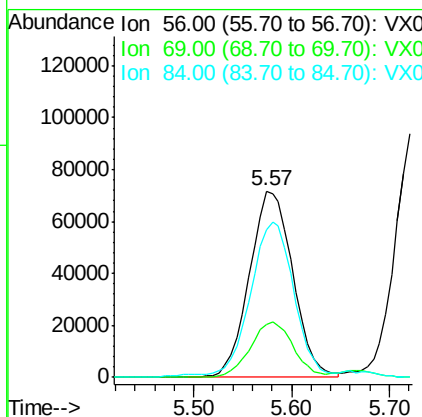
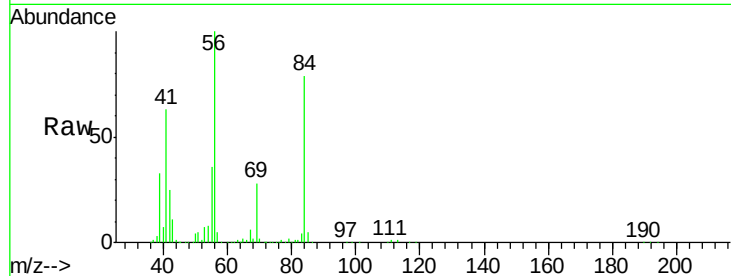
#31
Cyclohexane
Concen: 50.315 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.5	23.7	35.5
84	77.3	64.1	96.1

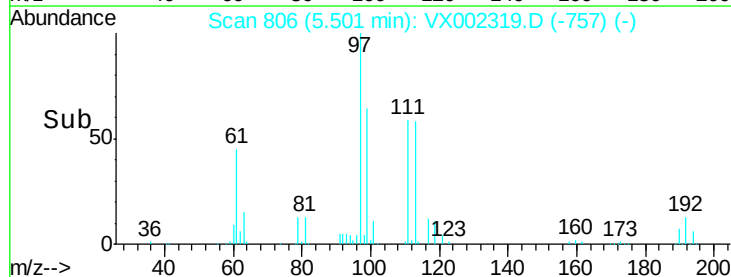
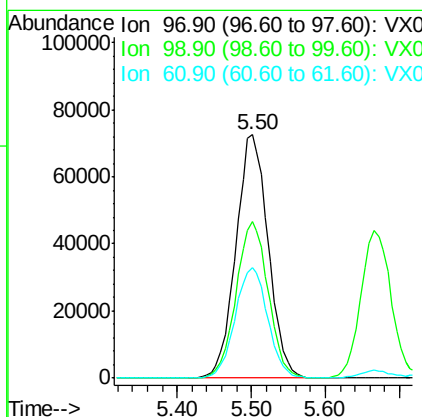
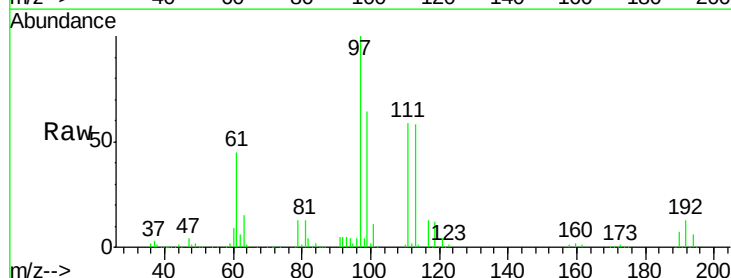
Manual Integrations
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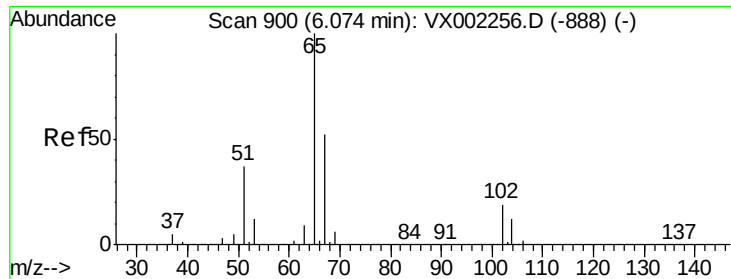
MMDadoda
6/6/2018 4:10:43 PM



#32
1,1,1-Trichloroethane
Concen: 48.528 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.6	77.4
61	46.0	36.4	54.6





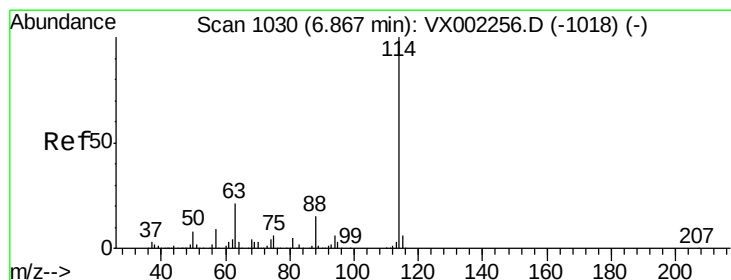
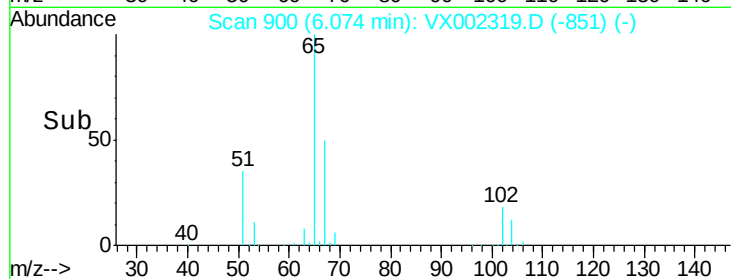
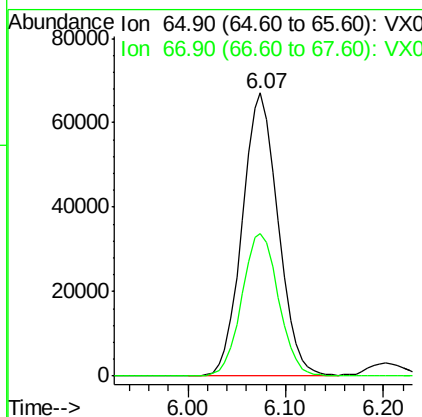
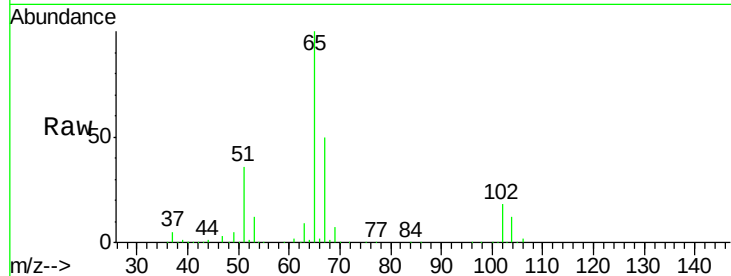
#33
 1,2-Dichloroethane-d4
 Concen: 49.022 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002319.D
 Acq: 05 Jun 2018 21:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	102.6

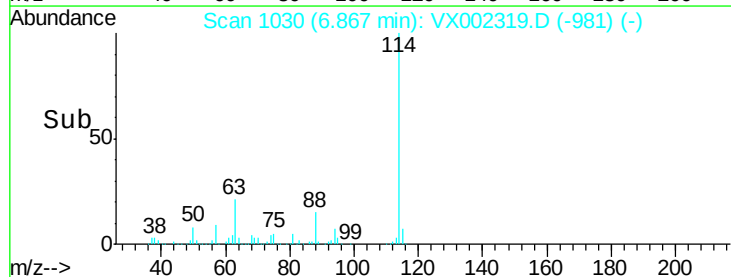
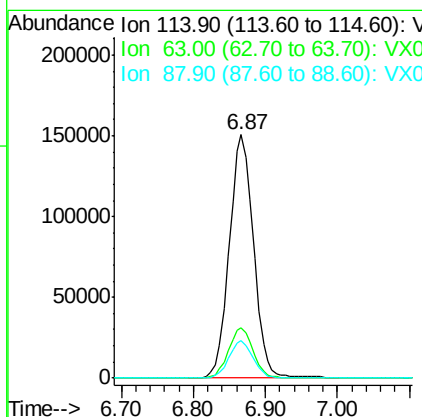
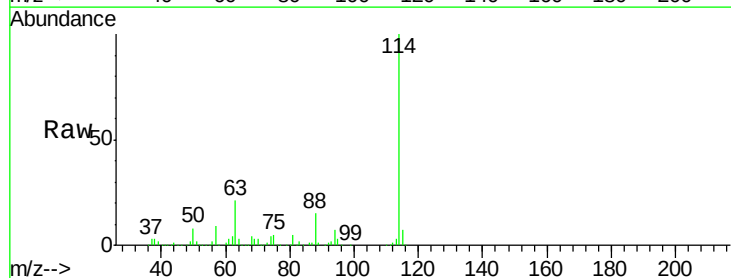
Manual Integrations
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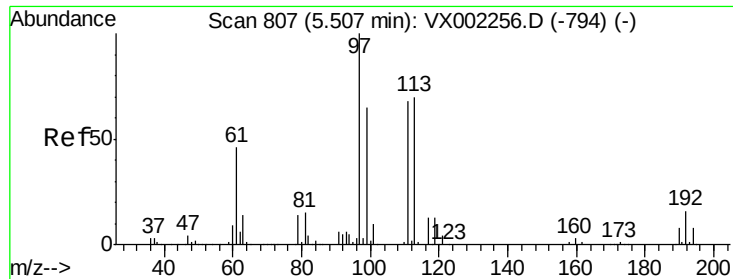
MMDadoda
 6/6/2018 4:10:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002319.D
 Acq: 05 Jun 2018 21:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	41.4
88	15.3	0.0	30.0





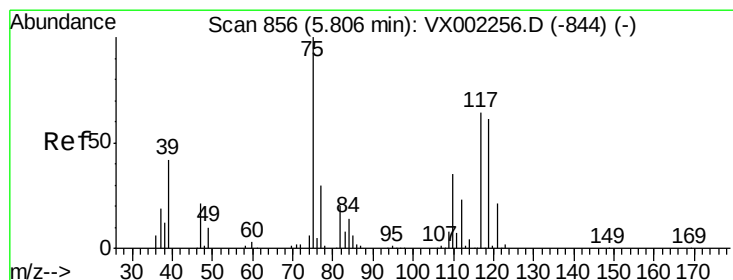
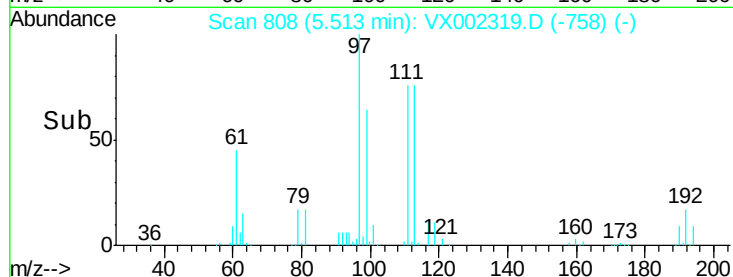
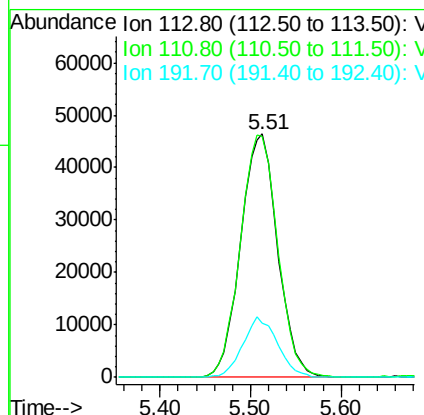
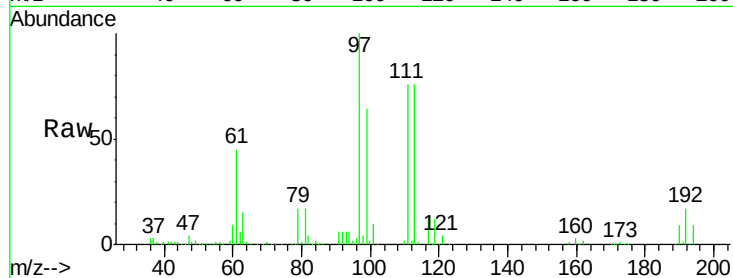
#35
 Dibromofluoromethane
 Concen: 47.019 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX002319.D
 Acq: 05 Jun 2018 21:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	130841		
111	101.0	81.4	122.0	
192	23.5	19.1	28.7	

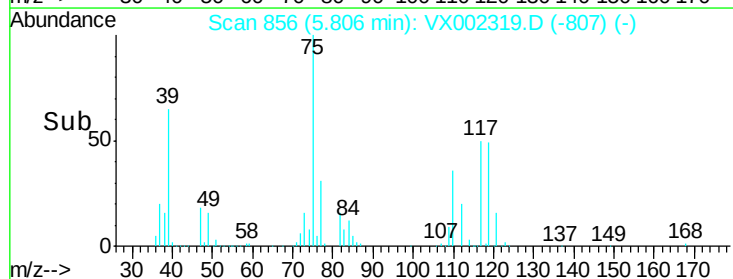
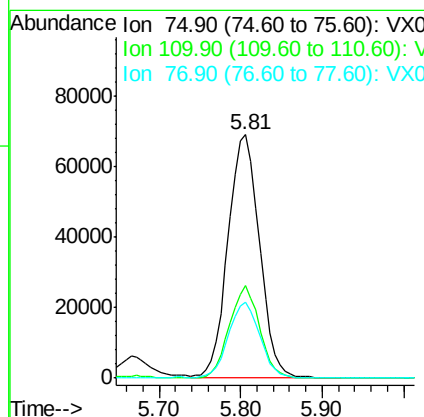
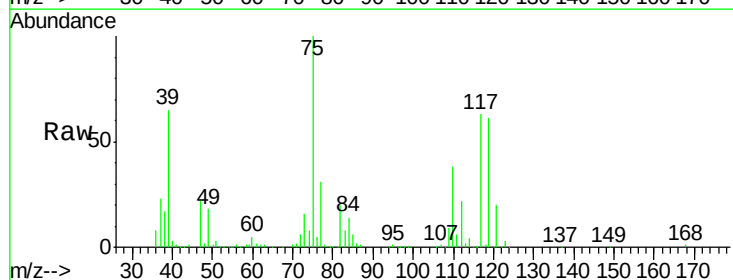
Manual Integrations
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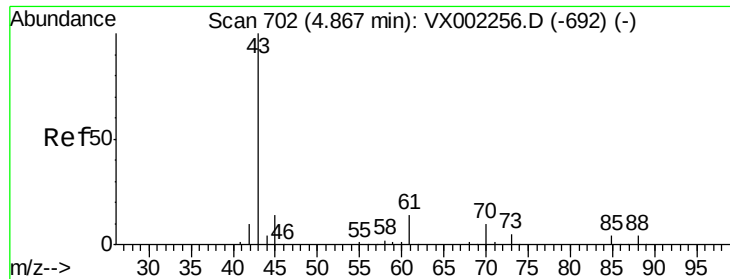
MMDadoda
 6/6/2018 4:10:43 PM



#36
 1,1-Dichloropropene
 Concen: 49.490 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VX002319.D
 Acq: 05 Jun 2018 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	184105		
110	36.5	18.1	54.4	
77	30.9	24.3	36.5	





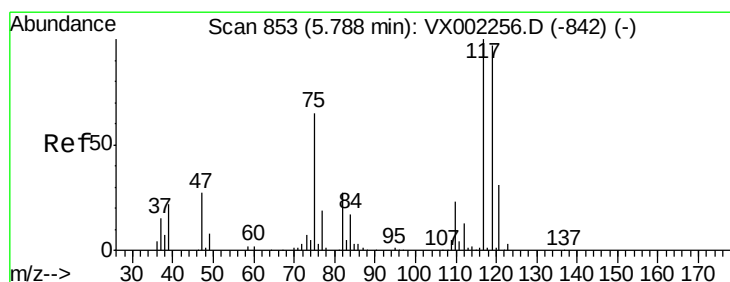
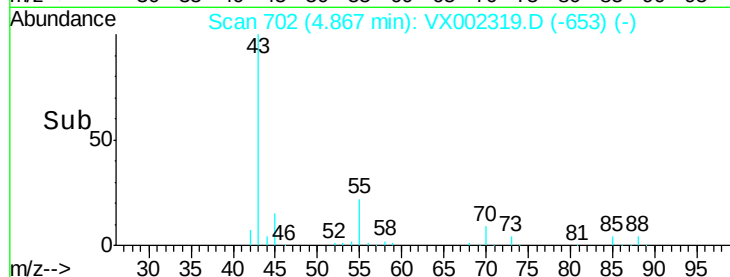
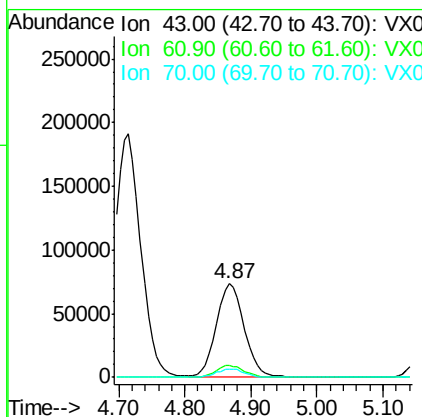
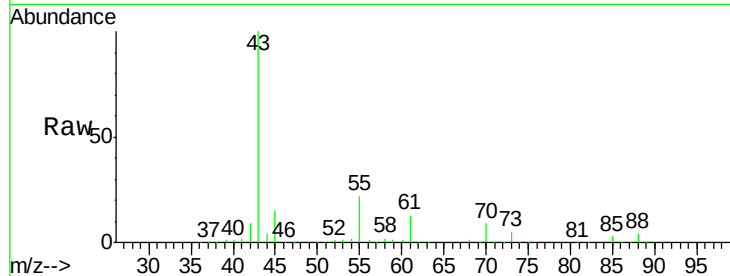
#37
Ethyl Acetate
Concen: 48.118 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.4	15.6
70	9.3	7.6	11.4

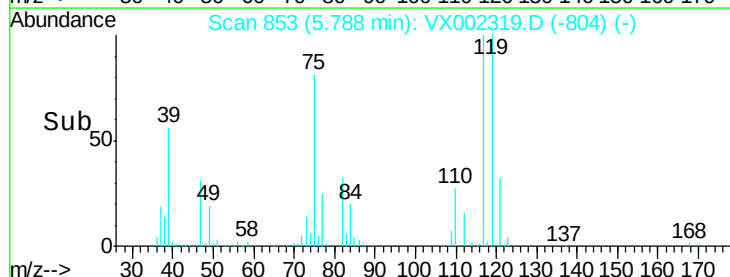
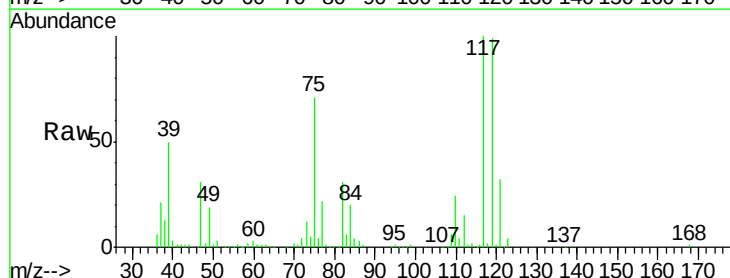
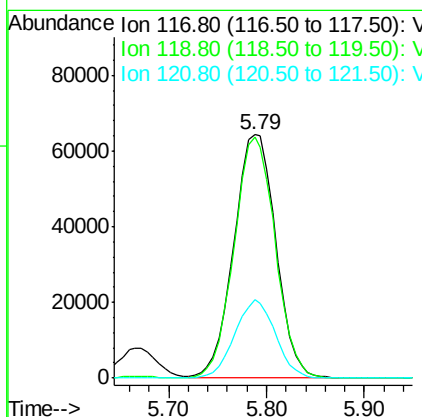
Manual Integrations
APPROVED

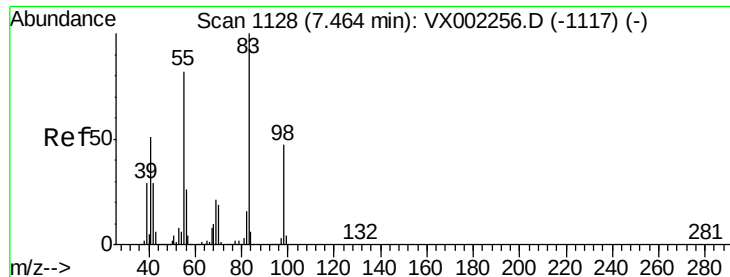
MMDadoda
6/6/2018 4:10:43 PM



#38
Carbon Tetrachloride
Concen: 49.324 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.3	77.4	116.0
121	32.1	24.4	36.6





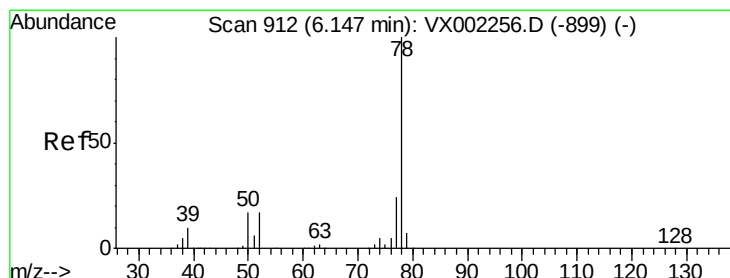
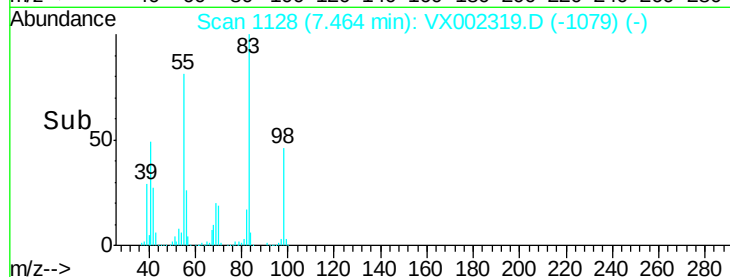
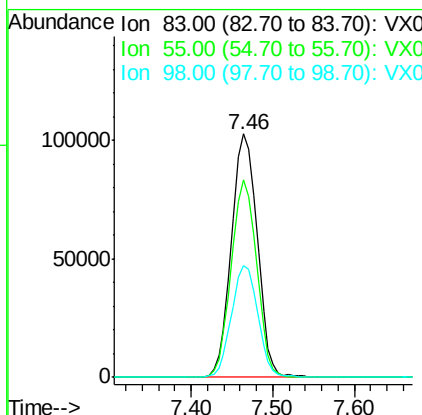
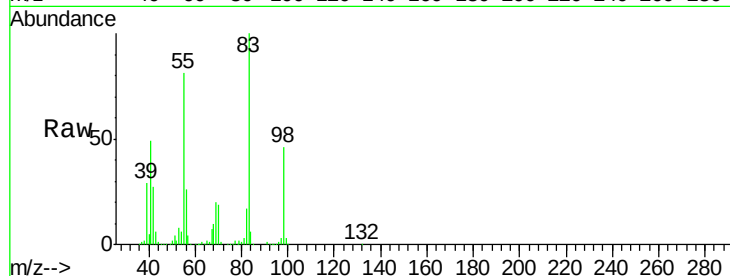
#39
Methylvlcyclohexane
Concen: 48.940 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	224896		
55	81.0		65.4	98.0
98	45.7		37.4	56.0

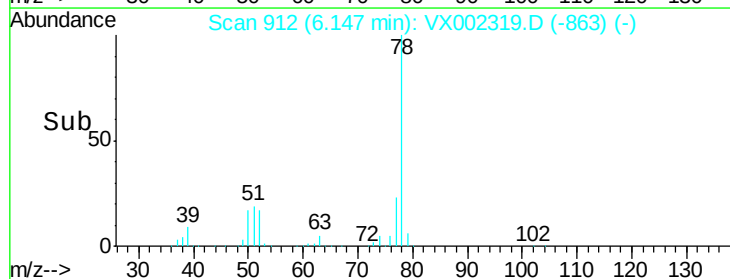
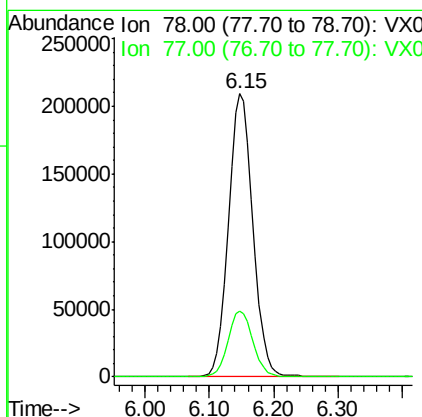
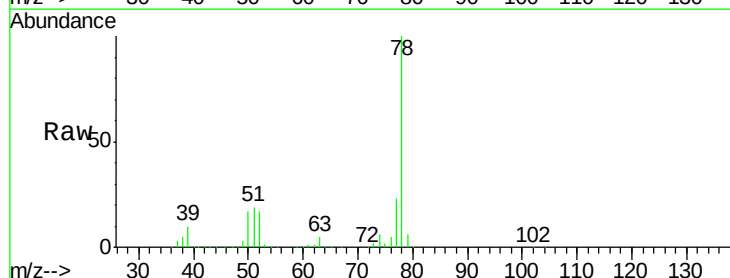
Manual Integrations
APPROVED

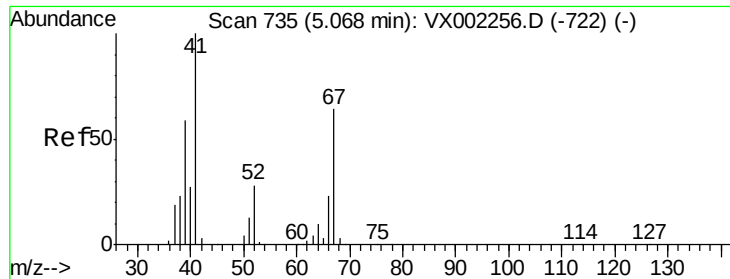
MMDadoda
6/6/2018 4:10:43 PM



#40
Benzene
Concen: 48.806 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	556692		
77	23.4		19.1	28.7





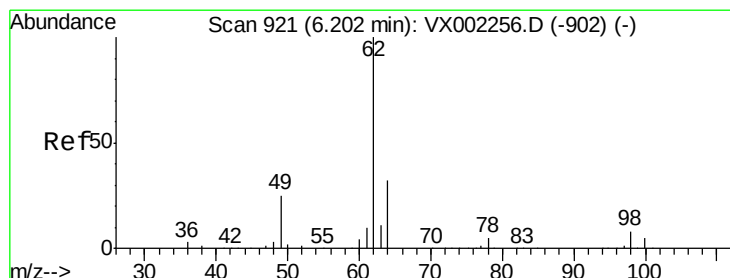
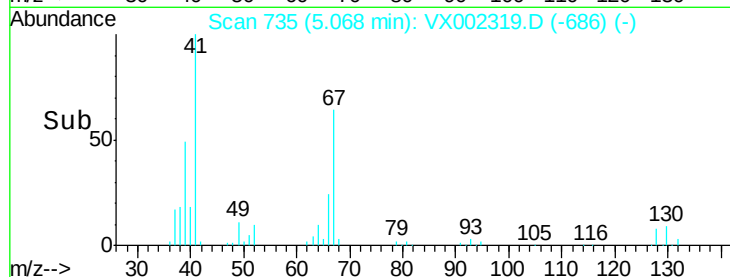
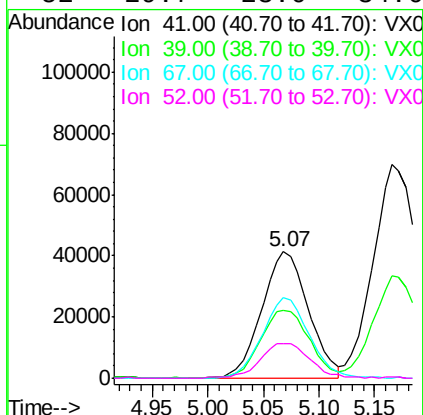
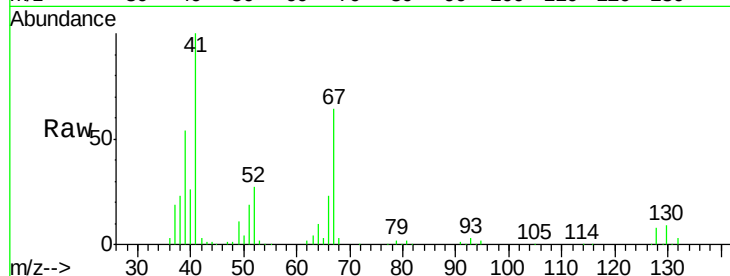
#41
Methacrylonitrile
Concen: 46.732 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.6	45.8	68.6	
67	64.5	51.3	76.9	
52	29.7	23.0	34.6	

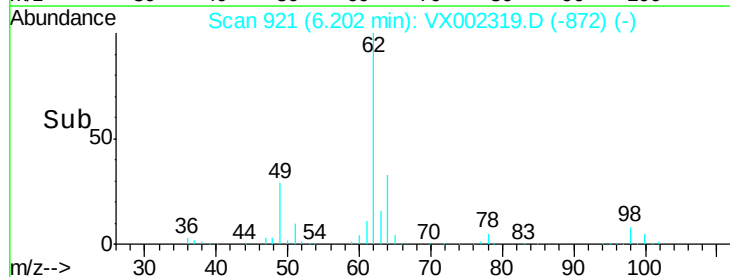
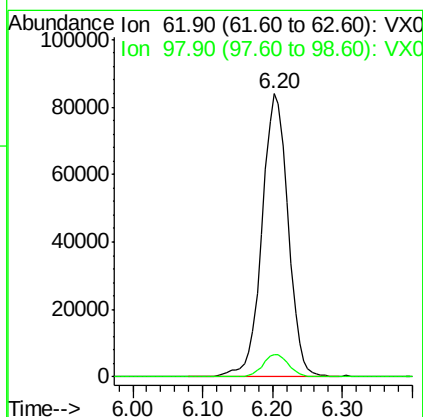
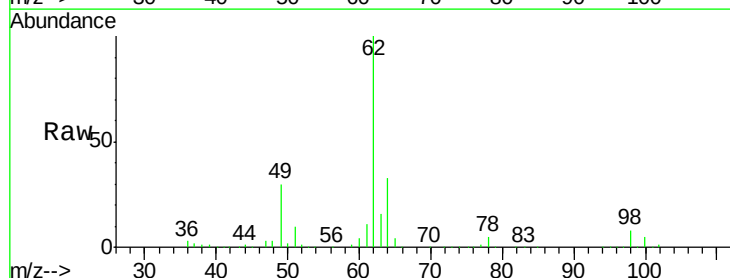
Manual Integrations
APPROVED

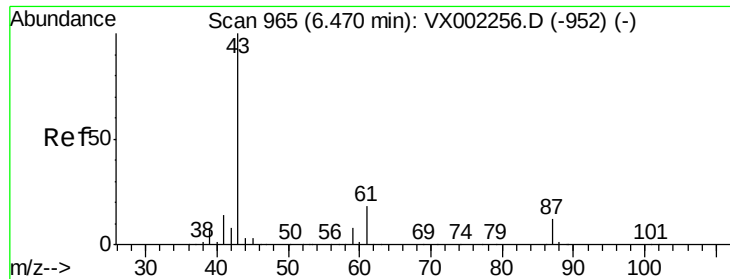
MMDadoda
6/6/2018 4:10:43 PM



#42
1,2-Dichloroethane
Concen: 48.220 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	16.6	





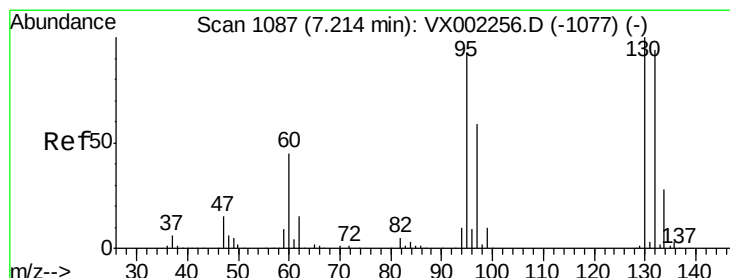
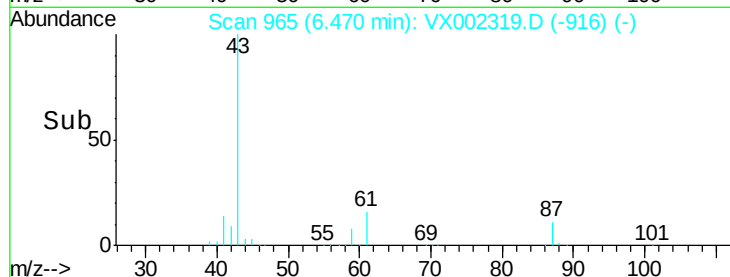
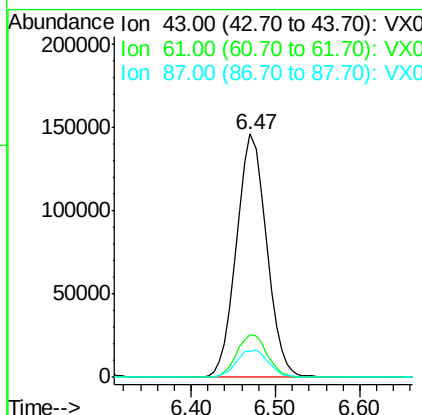
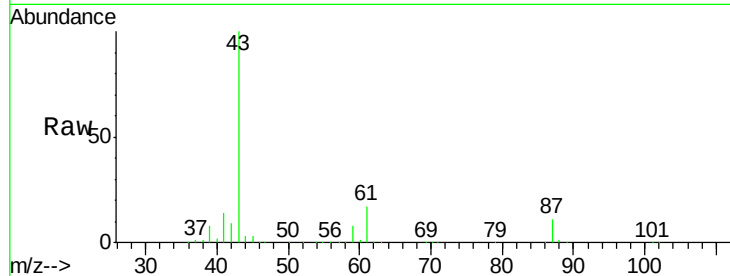
#43
Isopropyl Acetate
Concen: 46.429 ug/l
RT: 6.47 min Scan# 965
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	352799
Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.4	21.6
87	11.9	9.5	14.3

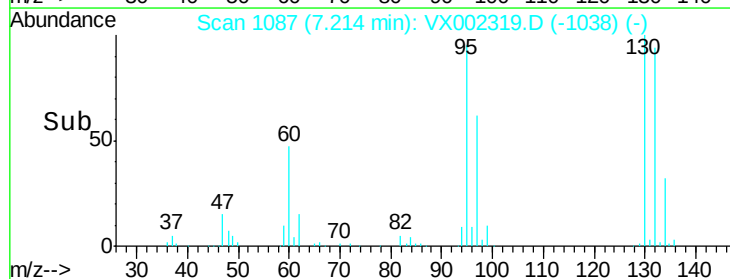
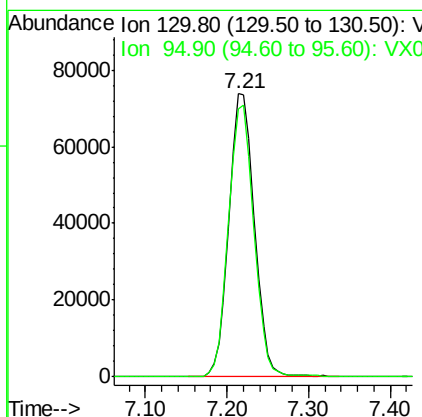
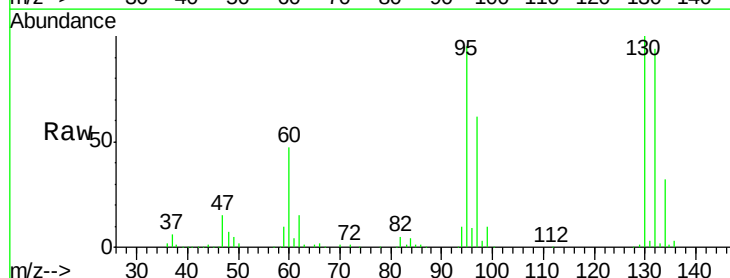
Manual Integrations
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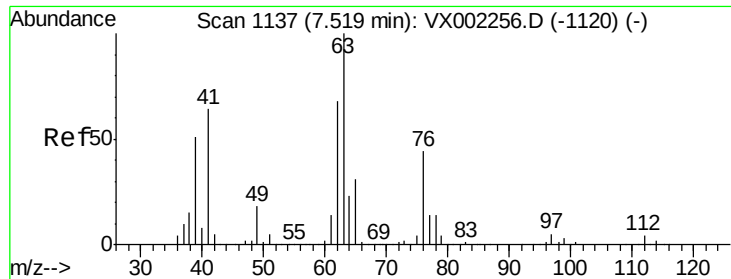
MMDadoda
6/6/2018 4:10:43 PM



#44
Trichloroethene
Concen: 50.261 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Tgt Ion	130	Resp	159108
Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	185.4





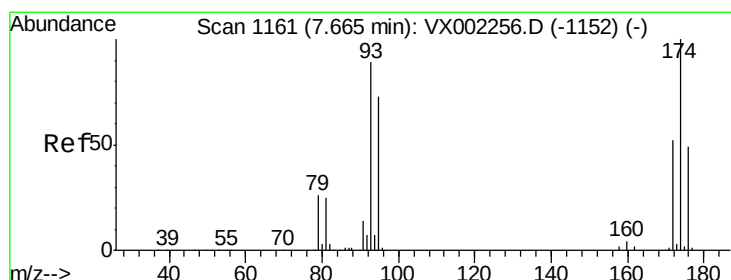
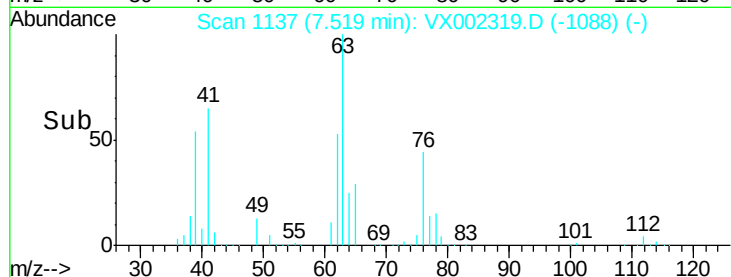
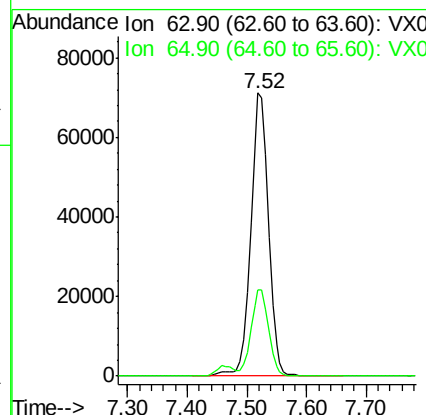
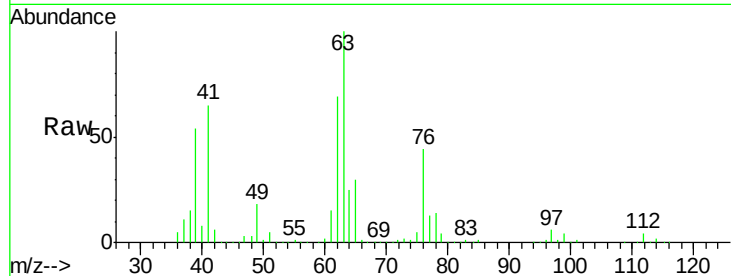
#45
 1,2-Dichloropropane
 Concen: 47.878 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX002319.D
 Acq: 05 Jun 2018 21:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 147430
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.7 37.1

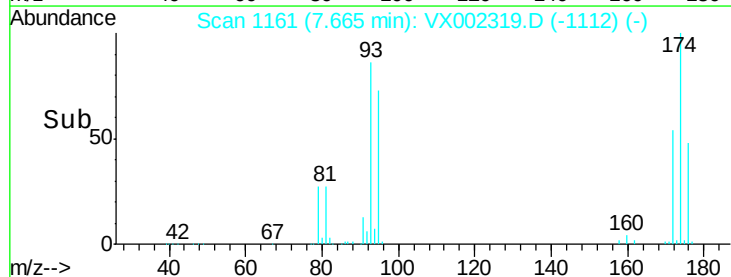
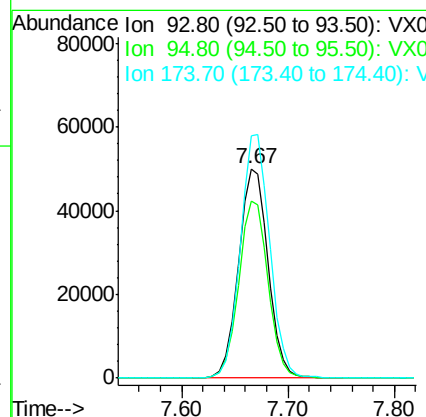
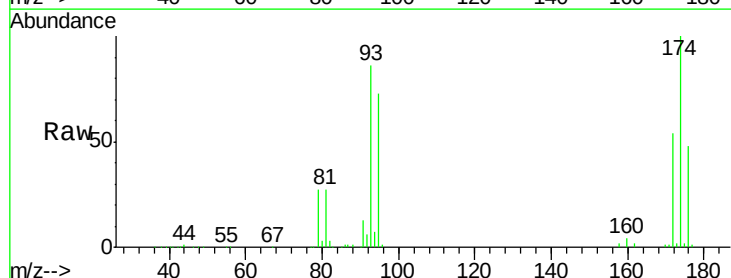
Manual Integrations
 APPROVED

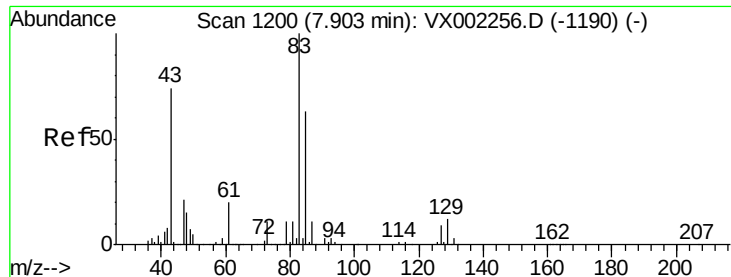
MMDadoda
 6/6/2018 4:10:43 PM



#46
 Dibromomethane
 Concen: 46.640 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX002319.D
 Acq: 05 Jun 2018 21:18

Tgt Ion: 93 Resp: 97358
 Ion Ratio Lower Upper
 93 100
 95 84.2 65.9 98.9
 174 116.1 92.4 138.6





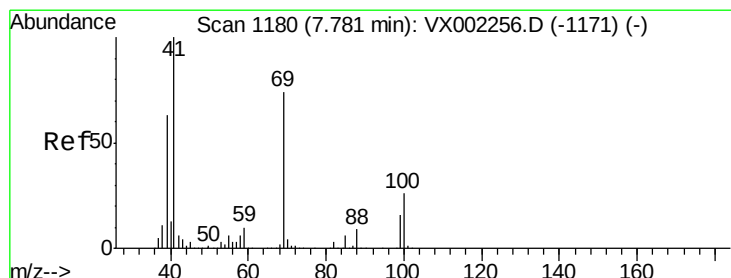
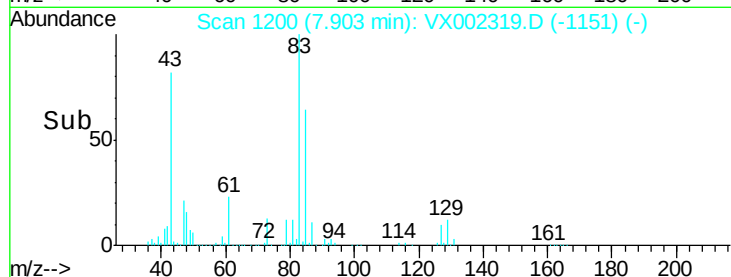
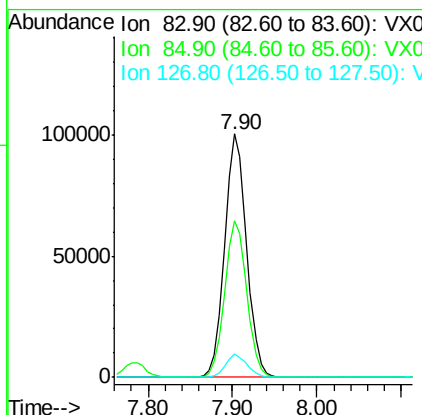
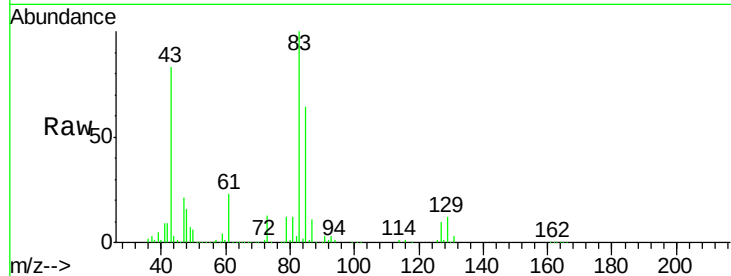
#47
Bromodichloromethane
Concen: 47.428 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.3	75.5
127	9.6	7.0	10.4

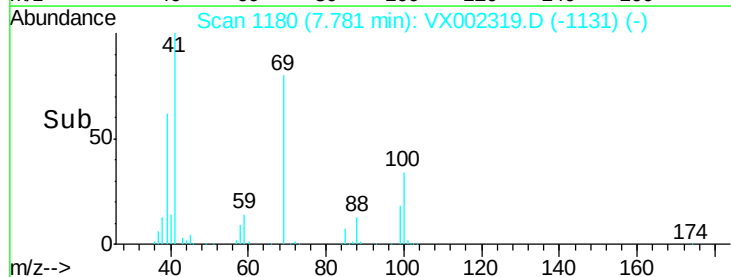
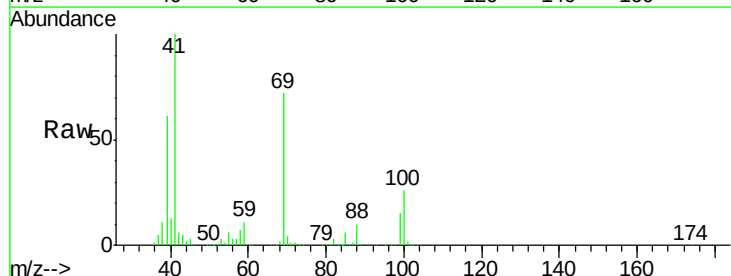
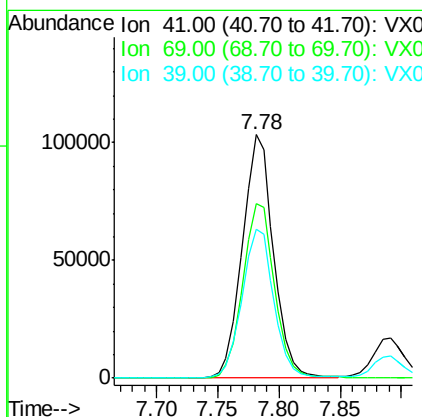
Manual Integrations
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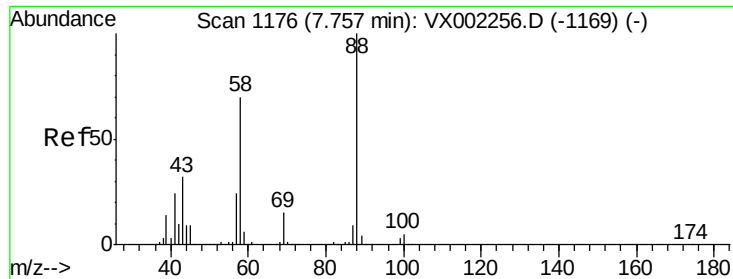
MMDadoda
6/6/2018 4:10:43 PM



#48
Methyl methacrylate
Concen: 47.641 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.0	59.1	88.7
39	62.6	48.9	73.3





#49

1,4-Dioxane

Concen: 987.591 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VX002319.D

Acq: 05 Jun 2018 21:18

Instrument :

MSVOA_X

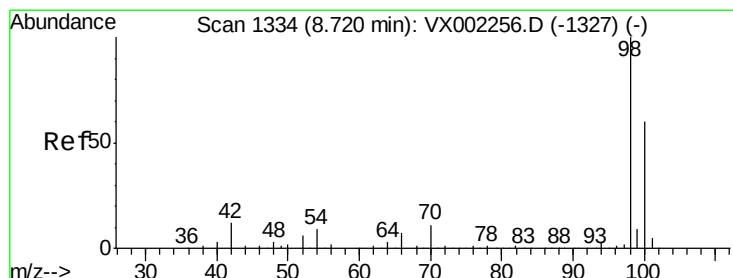
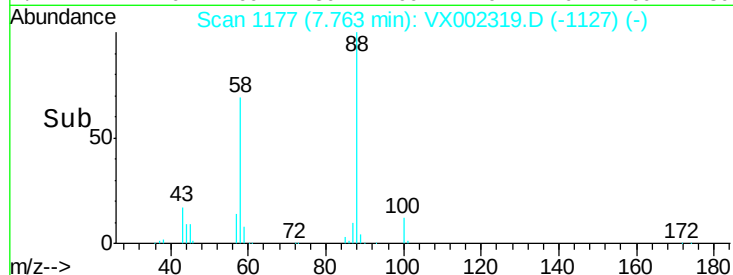
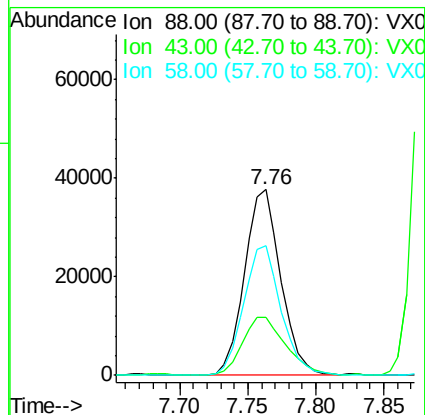
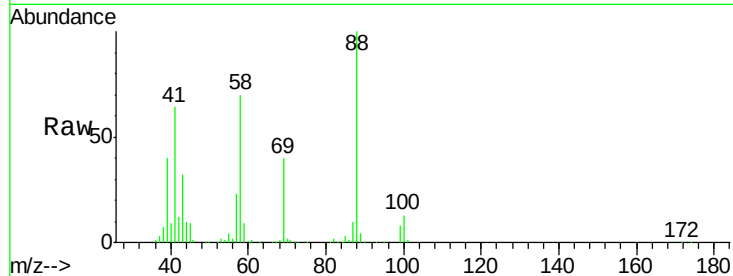
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	70481
Ion	Ratio	Lower	Upper
88	100		
43	36.3	29.8	44.6
58	71.5	57.1	85.7

Manual Integrations
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6/6/2018 4:10:43 PM



#50

Toluene-d8

Concen: 48.437 ug/l

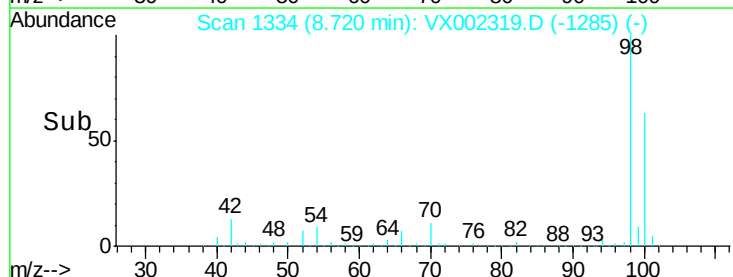
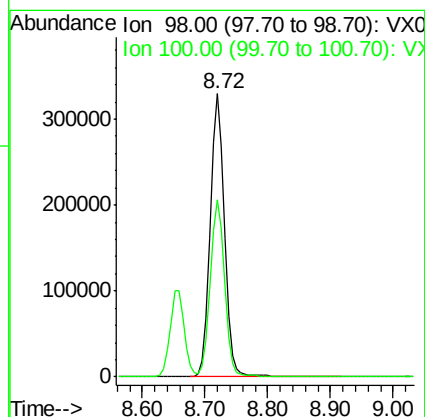
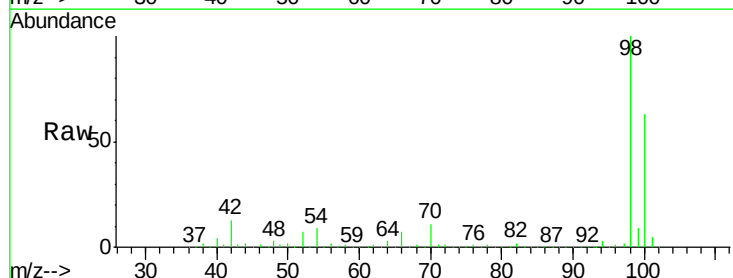
RT: 8.72 min Scan# 1334

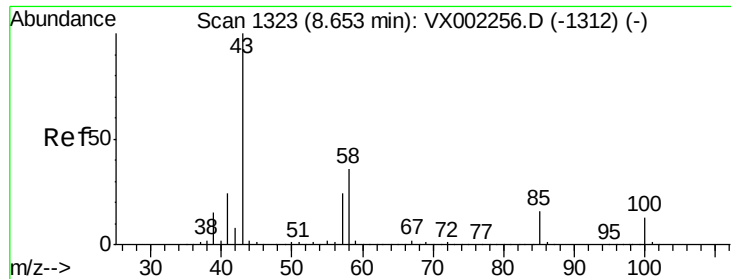
Delta R.T. 0.00 min

Lab File: VX002319.D

Acq: 05 Jun 2018 21:18

Tgt Ion:	98	Resp:	516632
Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 245.473 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX002319.D

Acq: 05 Jun 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1161584

Ion Ratio Lower Upper

43 100

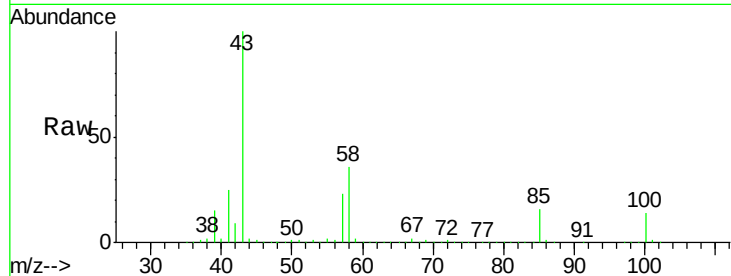
58 35.6 28.6 42.8

Manual Integrations

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6/6/2018 4:10:43 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

800000

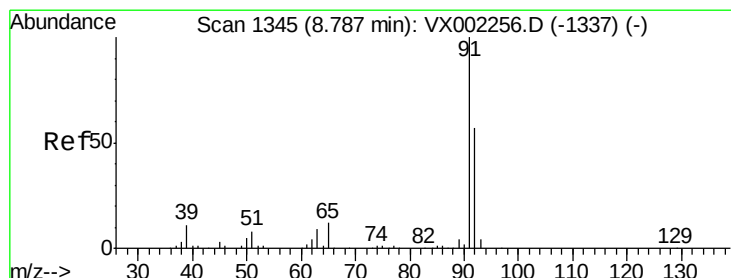
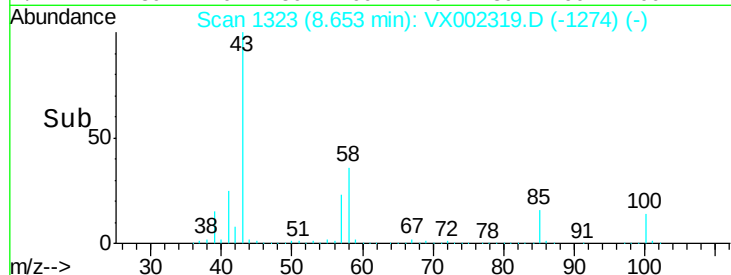
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.483 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002319.D

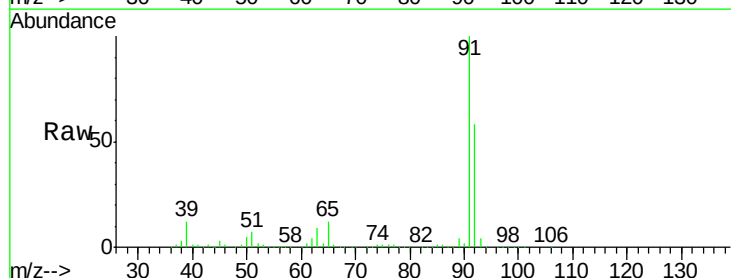
Acq: 05 Jun 2018 21:18

Tgt Ion: 92 Resp: 366227

Ion Ratio Lower Upper

92 100

91 175.2 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

400000

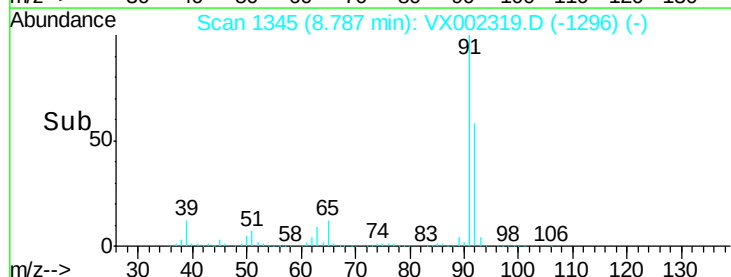
300000

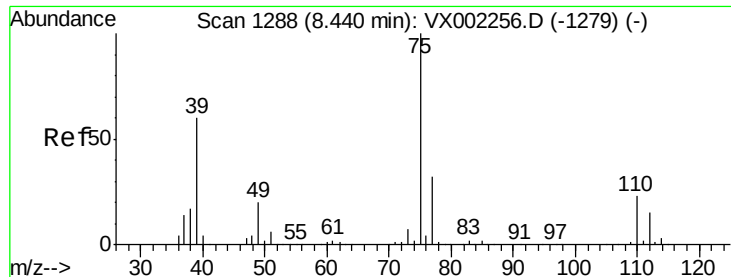
200000

100000

0

Time-->





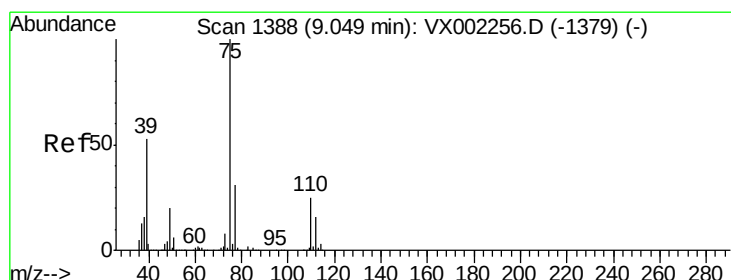
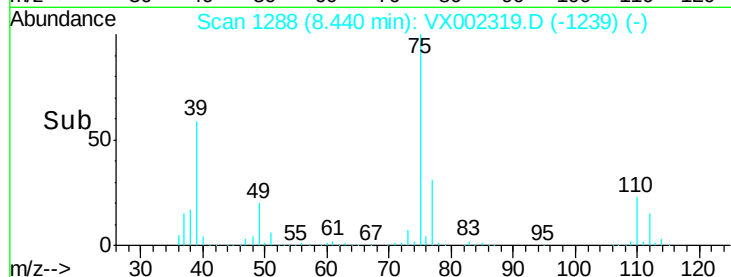
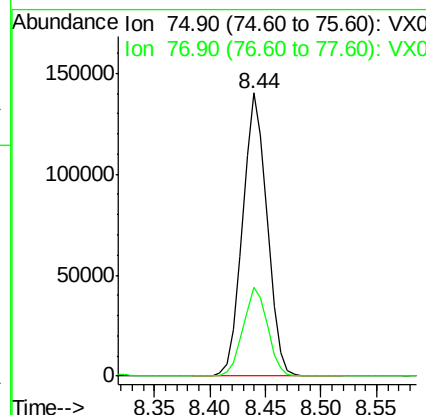
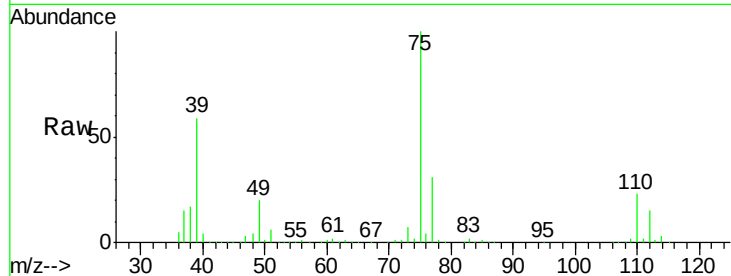
#53
t-1,3-Dichloropropene
Concen: 47.222 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	75	Resp	213794
Ion Ratio	Lower	Upper	
75	100		
77	31.5	25.4	38.2

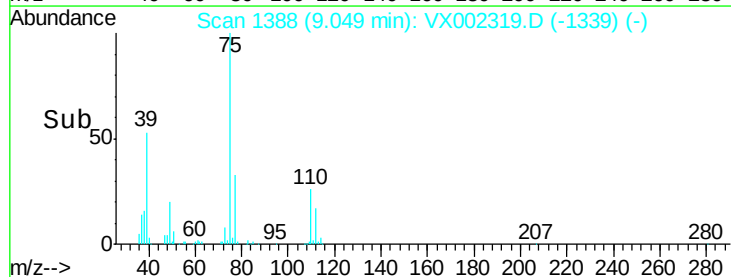
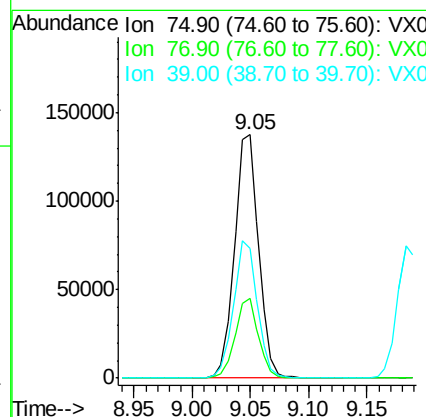
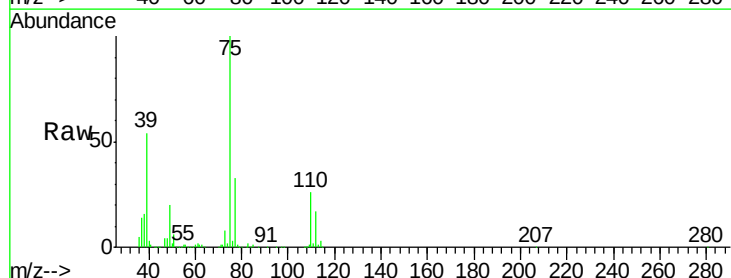
Manual Integrations
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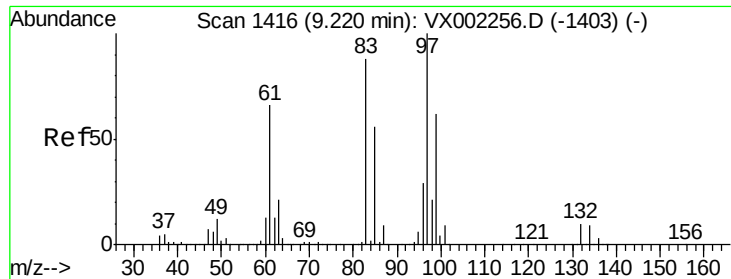
MMDadoda
6/6/2018 4:10:43 PM



#54
cis-1,3-Dichloropropene
Concen: 46.162 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Tgt Ion	75	Resp	197177
Ion Ratio	Lower	Upper	
75	100		
77	32.5	24.8	37.2
39	53.4	42.4	63.6





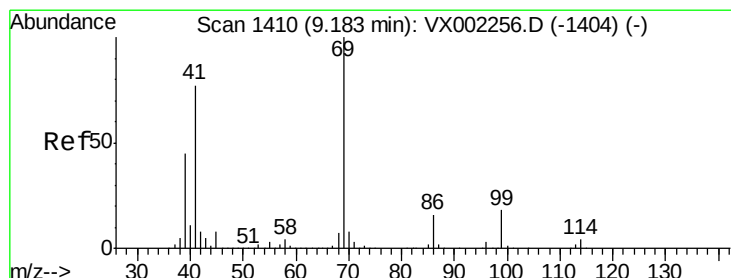
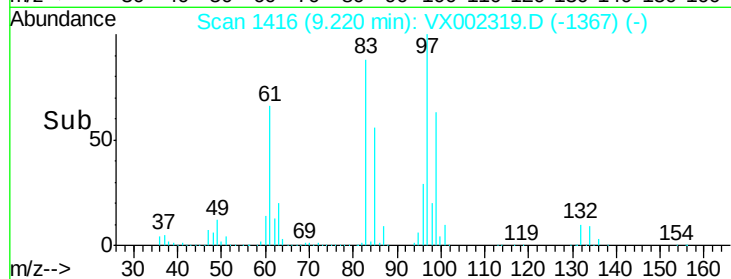
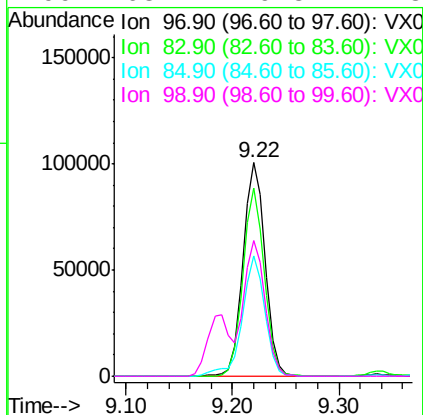
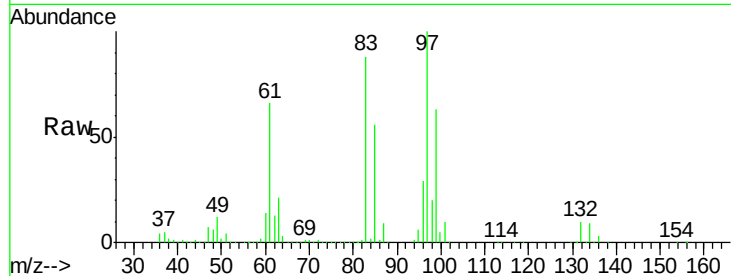
#55
 1,1,2-Trichloroethane
 Concen: 49.094 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002319.D
 Acq: 05 Jun 2018 21:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	146483
Ion	Ratio	Lower	Upper
97	100		
83	88.0	70.2	105.2
85	56.4	44.9	67.3
99	63.2	49.8	74.8

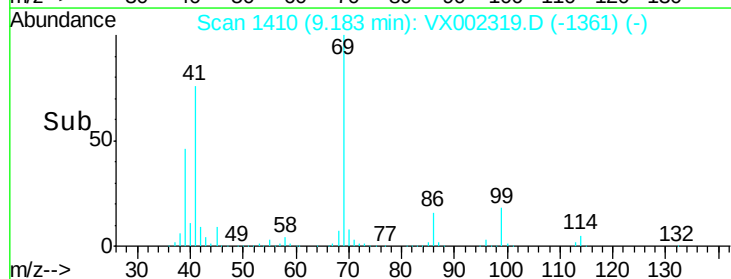
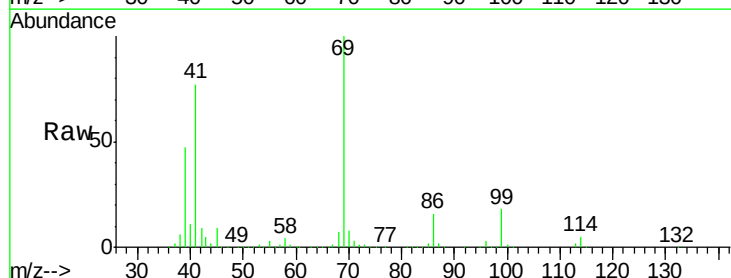
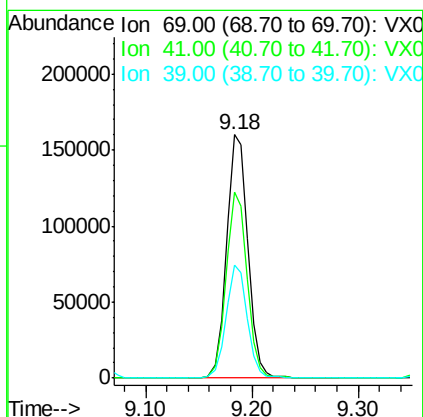
Manual Integrations
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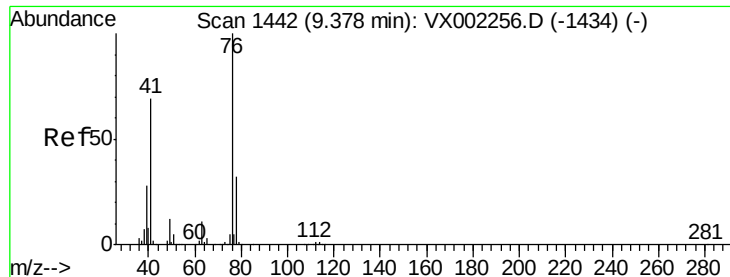
MMDadoda
 6/6/2018 4:10:43 PM



#56
 Ethyl methacrylate
 Concen: 47.124 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX002319.D
 Acq: 05 Jun 2018 21:18

Tgt Ion:	69	Resp:	224478
Ion	Ratio	Lower	Upper
69	100		
41	75.4	60.3	90.5
39	45.8	35.8	53.8





#57

1,3-Dichloropropane

Concen: 48.760 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX002319.D

Acq: 05 Jun 2018 21:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 244074

Ion Ratio Lower Upper

76 100

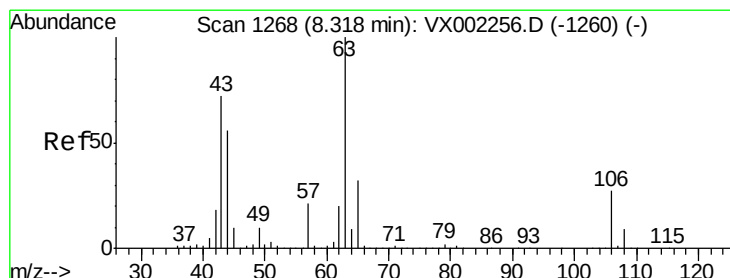
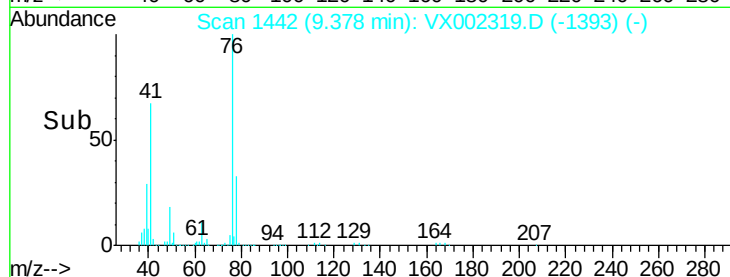
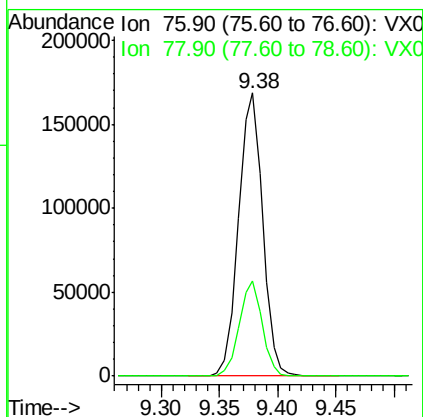
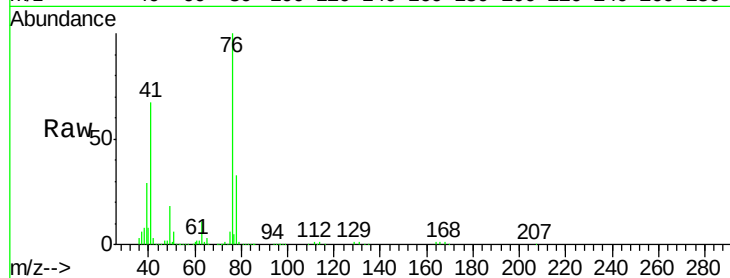
78 32.2 25.8 38.6

Manual Integrations

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MMDadoda

6/6/2018 4:10:43 PM



#58

2-Chloroethyl Vinyl ether

Concen: 246.185 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX002319.D

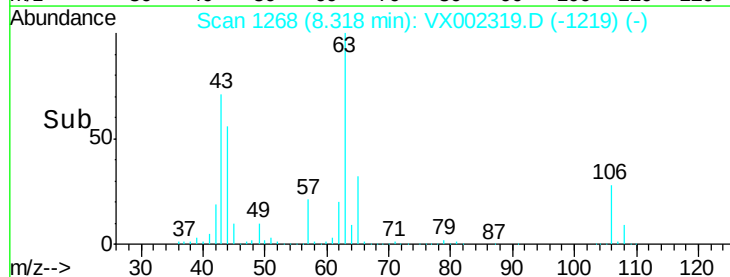
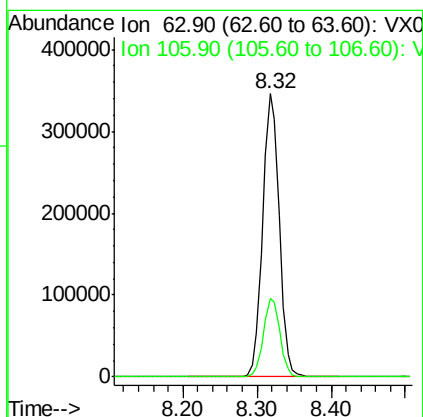
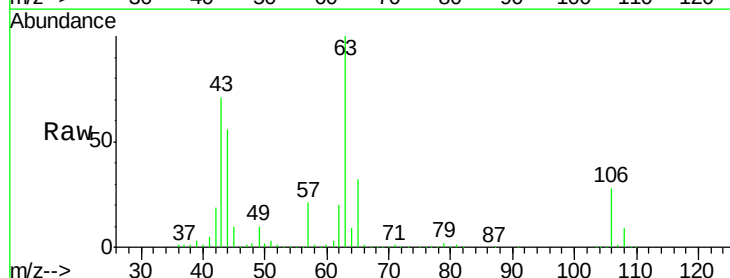
Acq: 05 Jun 2018 21:18

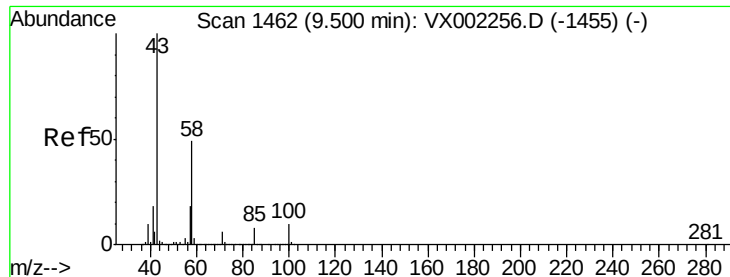
Tgt Ion: 63 Resp: 542780

Ion Ratio Lower Upper

63 100

106 27.6 21.8 32.8





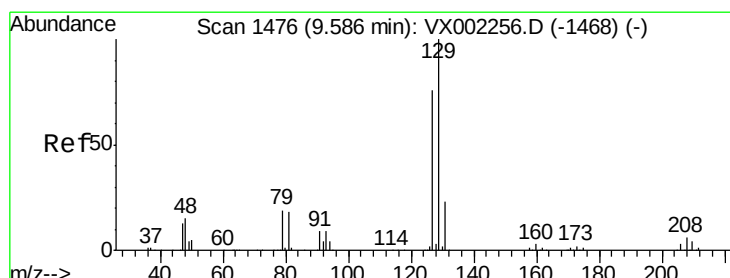
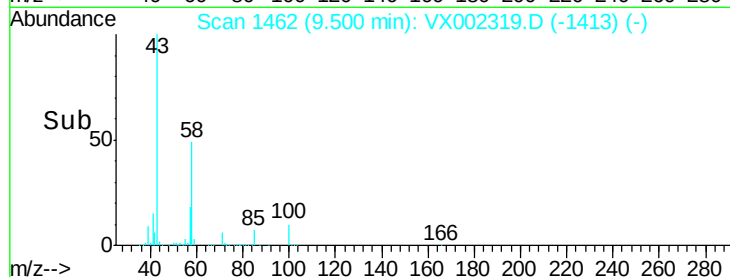
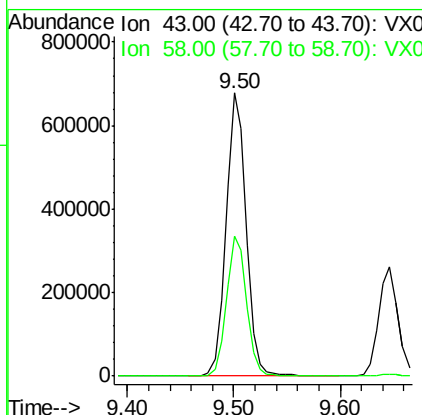
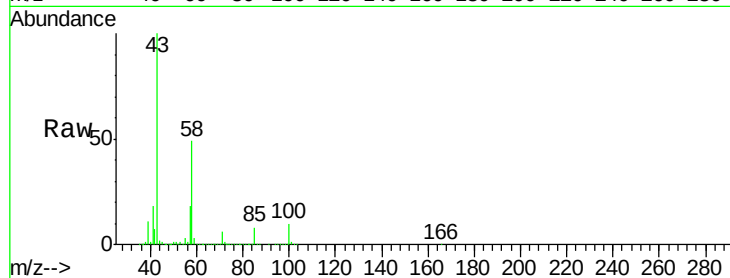
#59
2-Hexanone
Concen: 244.667 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 894269
Ion Ratio Lower Upper
43 100
58 49.7 24.6 73.6

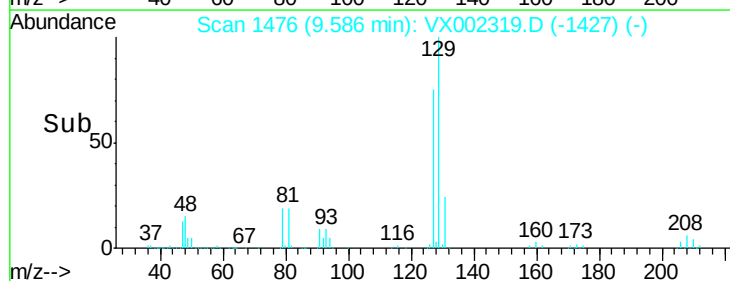
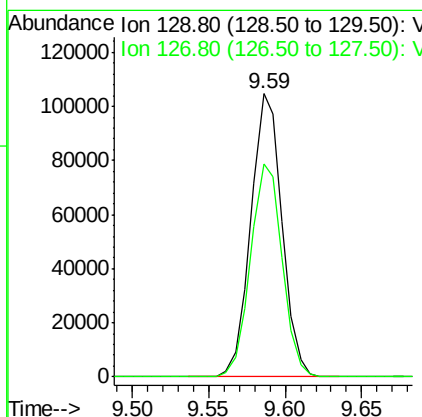
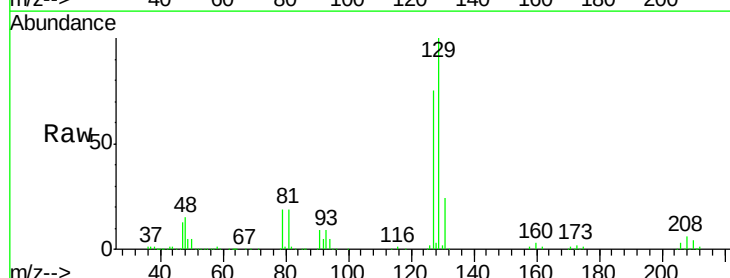
Manual Integrations
APPROVED

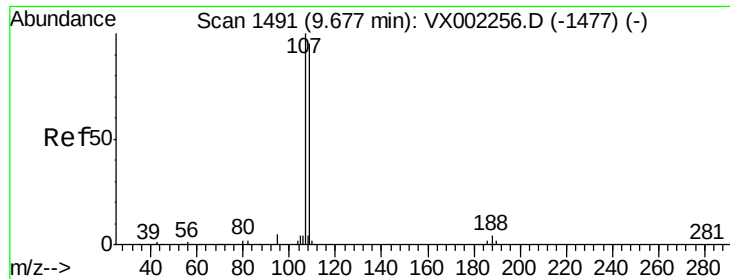
MMDadoda
6/6/2018 4:10:43 PM



#60
Dibromochloromethane
Concen: 49.387 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Tgt Ion: 129 Resp: 148218
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.3





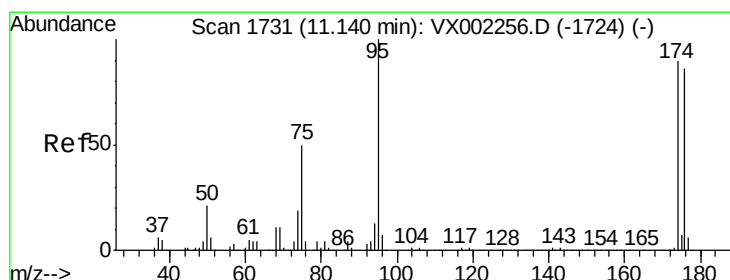
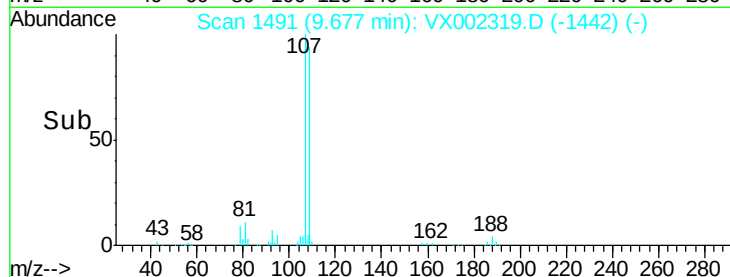
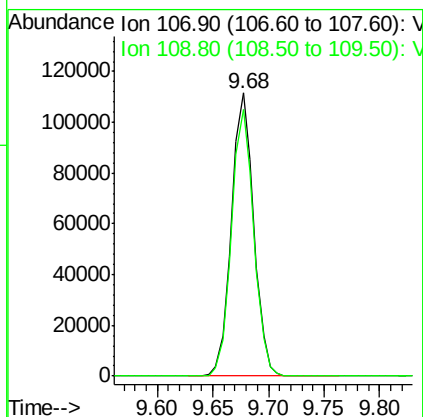
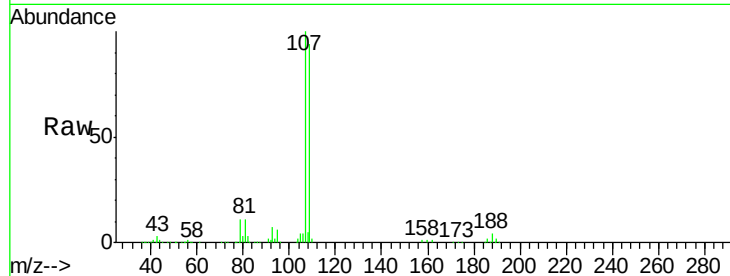
#61
 1,2-Dibromoethane
 Concen: 49.599 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX002319.D
 Acq: 05 Jun 2018 21:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 154304
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.3 112.9

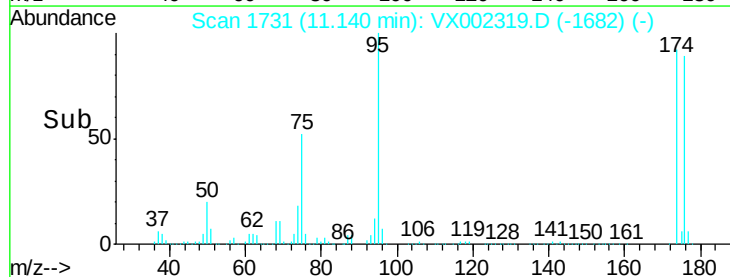
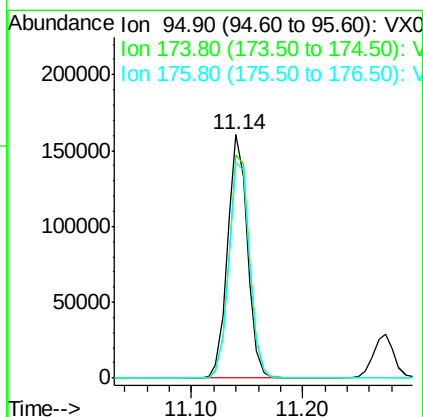
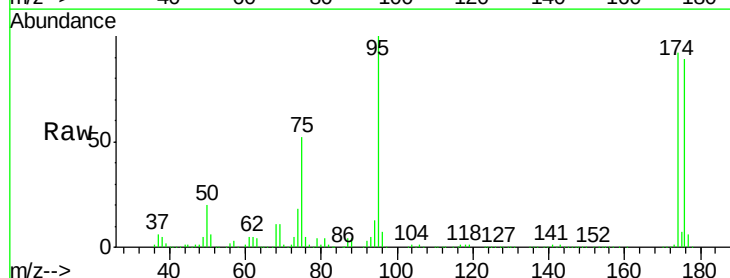
Manual Integrations
 APPROVED

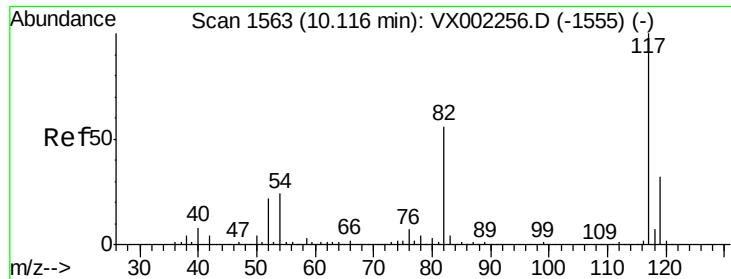
MMDadoda
 6/6/2018 4:10:43 PM



#62
 4-Bromofluorobenzene
 Concen: 47.847 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX002319.D
 Acq: 05 Jun 2018 21:18

Tgt Ion: 95 Resp: 196795
 Ion Ratio Lower Upper
 95 100
 174 95.8 0.0 187.4
 176 93.2 0.0 181.0





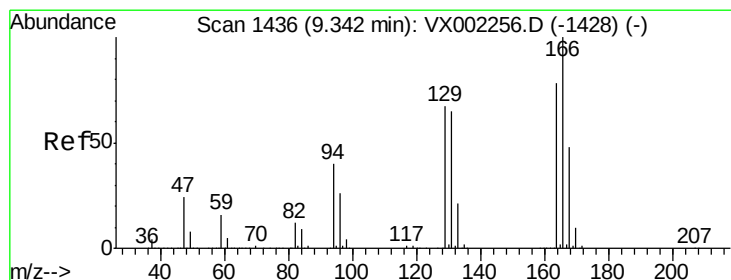
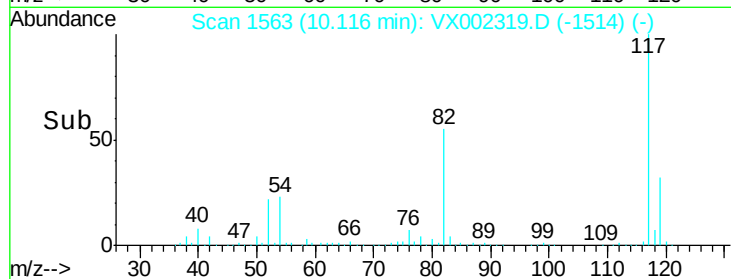
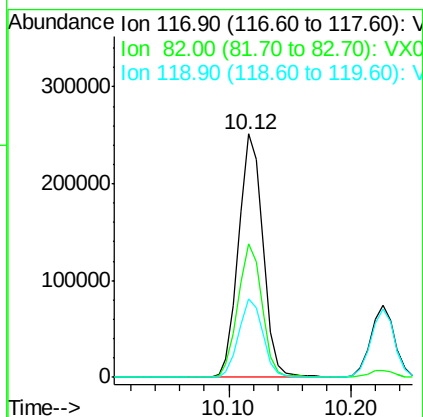
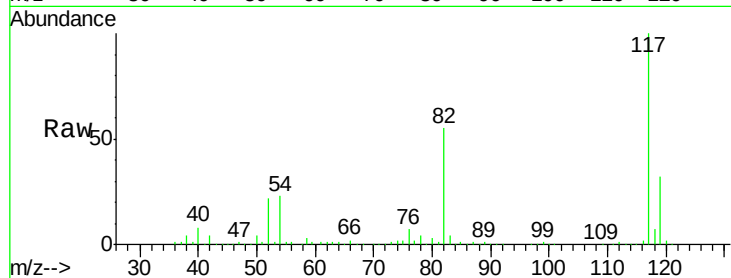
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	45.0	67.4
119	32.0	25.8	38.6

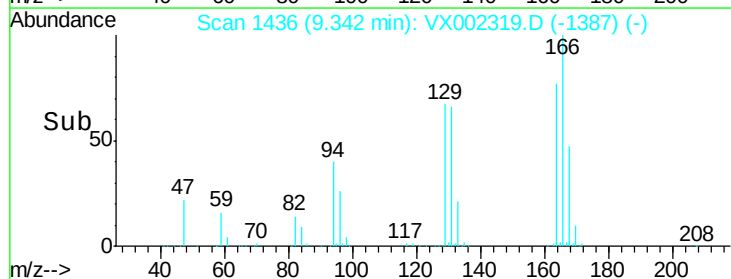
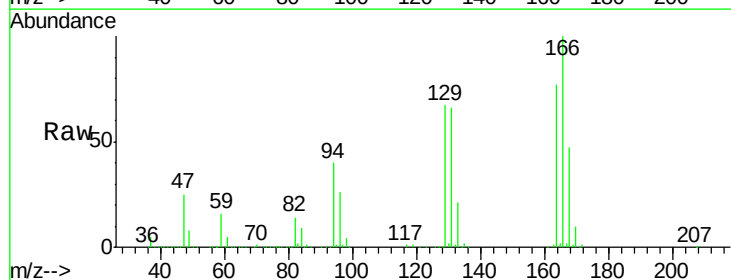
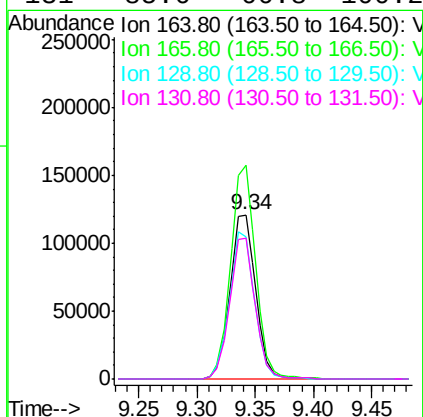
Manual Integrations
APPROVED

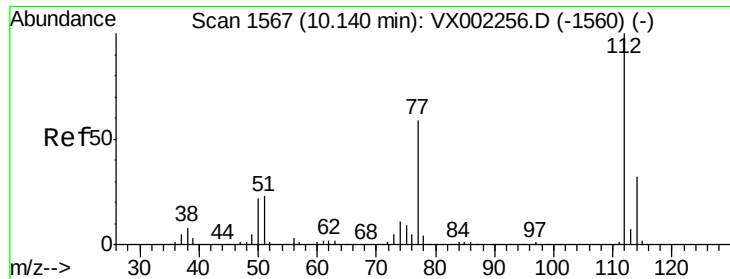
MMDadoda
6/6/2018 4:10:43 PM



#64
Tetrachloroethene
Concen: 52.140 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	102.9	154.3
129	86.7	68.6	102.8
131	85.6	66.8	100.2





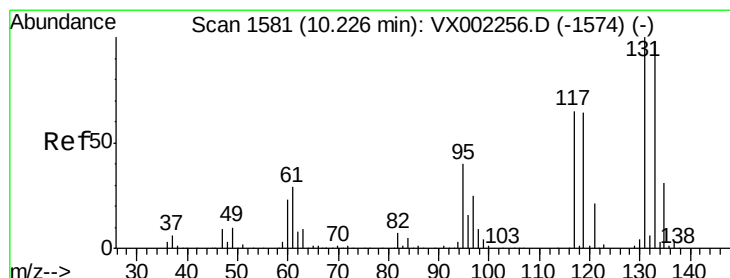
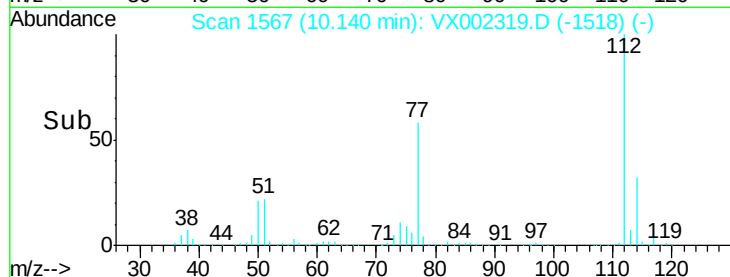
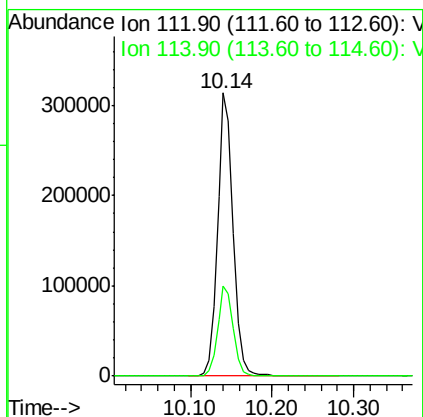
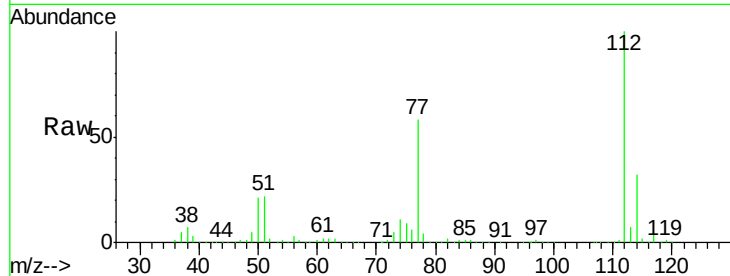
#65
Chlorobenzene
Concen: 48.623 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 419511
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9

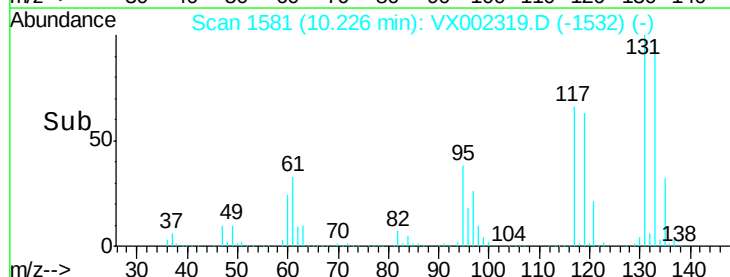
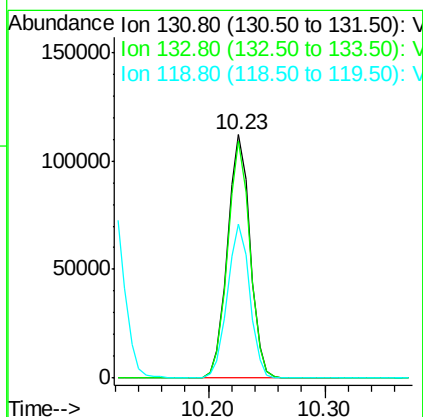
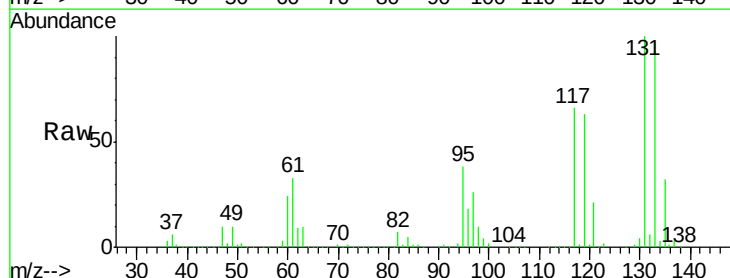
Manual Integrations
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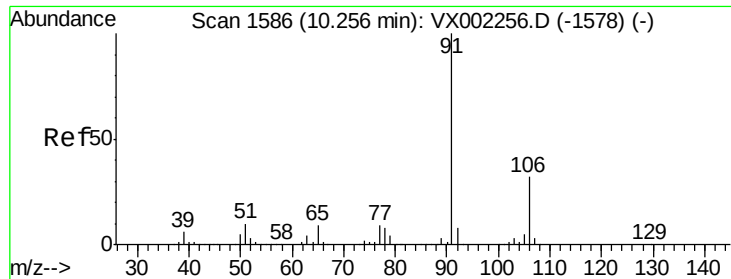
MMDadoda
6/6/2018 4:10:43 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.233 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Tgt Ion:131 Resp: 150683
Ion Ratio Lower Upper
131 100
133 96.0 47.9 143.6
119 63.1 31.8 95.3





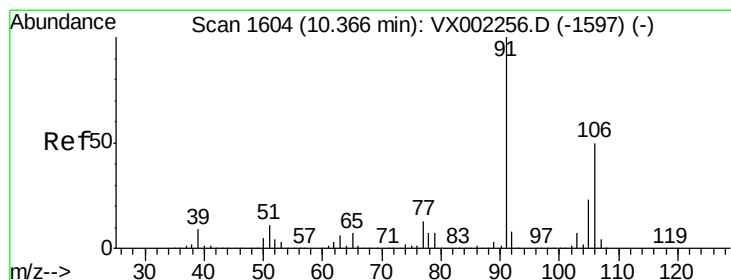
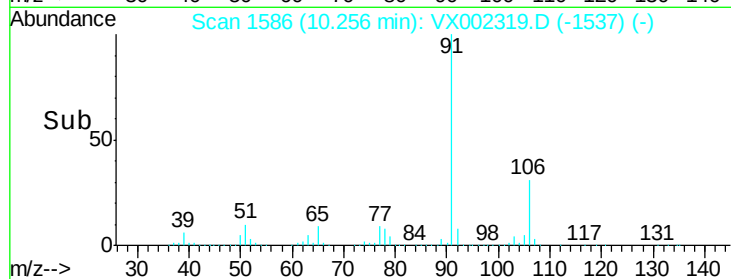
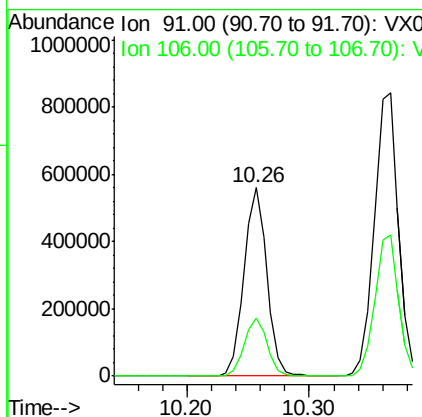
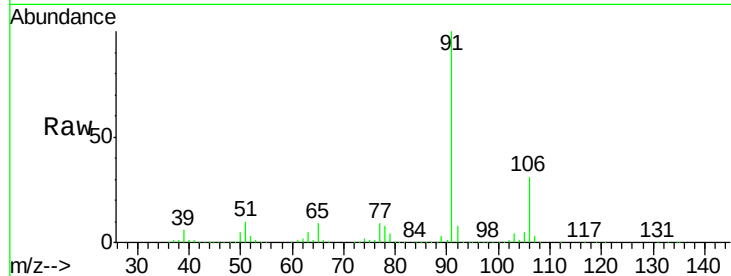
#67
Ethyl Benzene
Concen: 50.382 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 727455
Ion Ratio Lower Upper
91 100
106 31.2 25.5 38.3

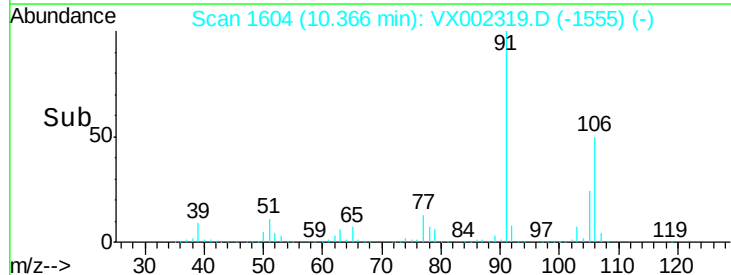
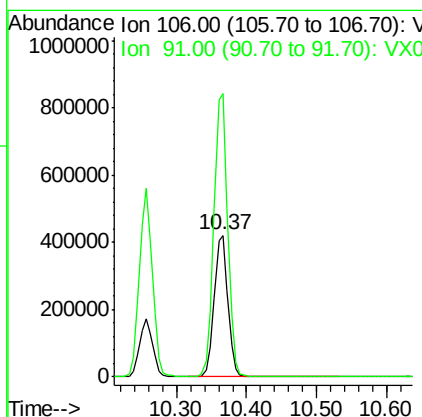
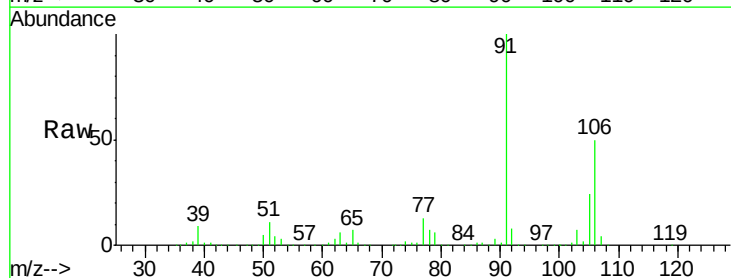
Manual Integrations
APPROVED

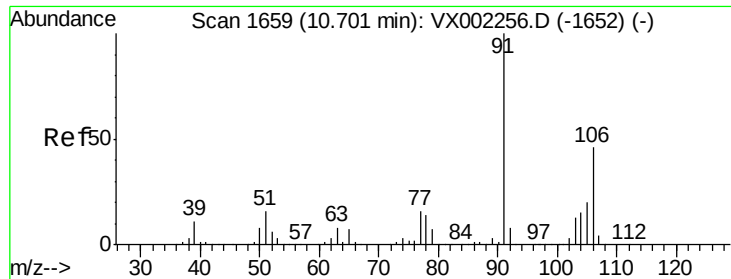
MMDadoda
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#68
m/p-Xylenes
Concen: 101.755 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Tgt Ion: 106 Resp: 571129
Ion Ratio Lower Upper
106 100
91 203.2 163.4 245.2





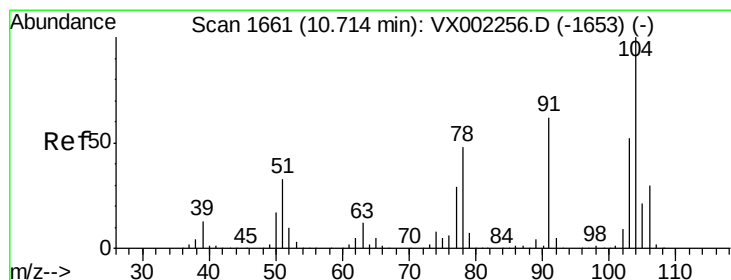
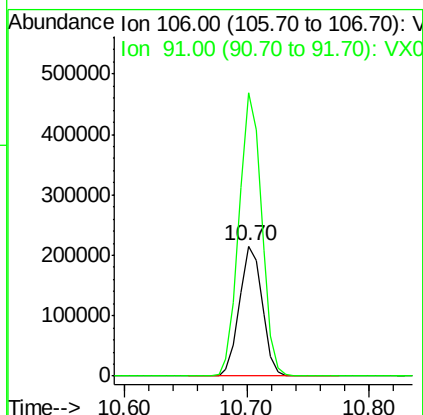
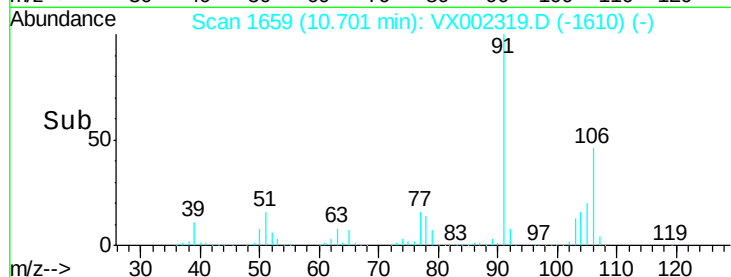
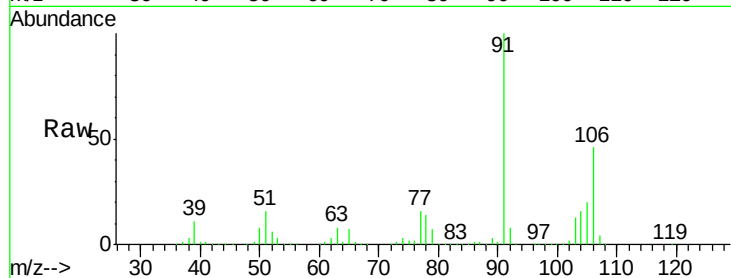
#69
o-Xylene
Concen: 49.609 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 277095
Ion Ratio Lower Upper
106 100
91 216.7 108.2 324.6

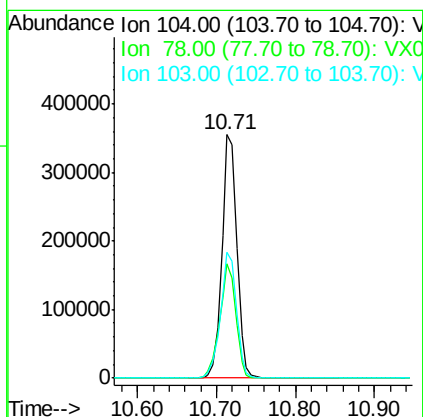
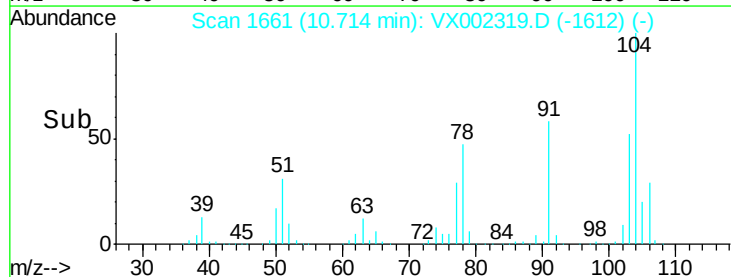
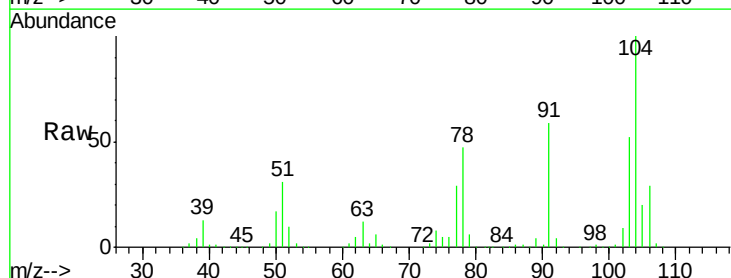
Manual Integrations
APPROVED

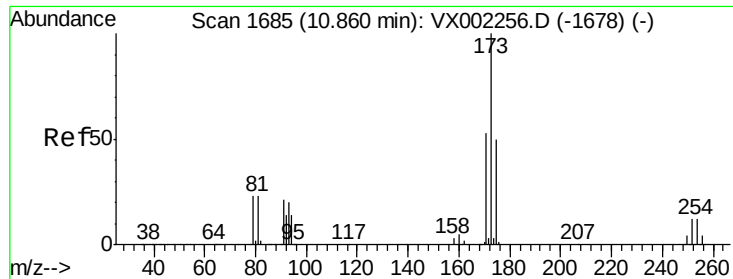
MMDadoda
6/6/2018 4:10:43 PM



#70
Styrene
Concen: 51.197 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Tgt Ion:104 Resp: 467488
Ion Ratio Lower Upper
104 100
78 50.7 41.0 61.6
103 55.6 44.2 66.4





#71

Bromoform

Concen: 41.109 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002319.D

Acq: 05 Jun 2018 21:18

Instrument :

MSVOA_X

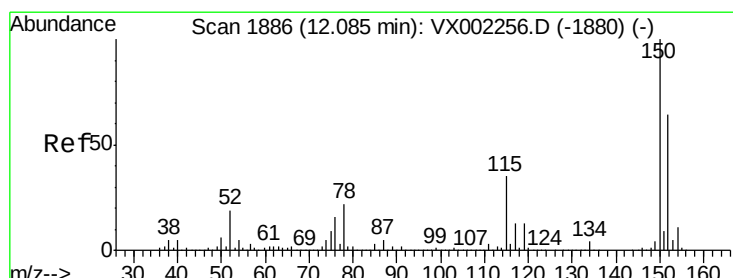
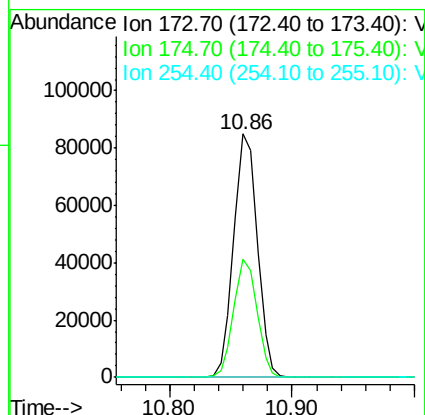
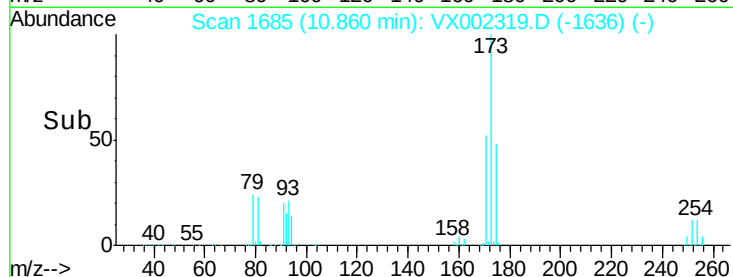
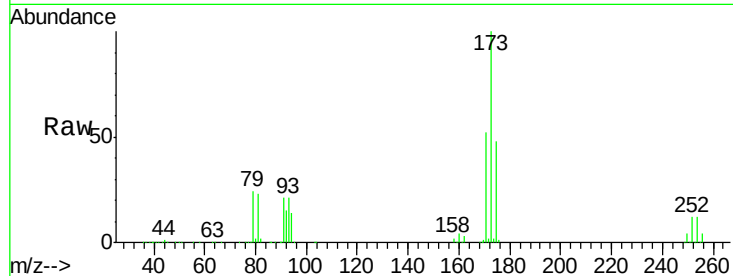
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	113170
Ion Ratio	Lower	Upper	
173	100		
175	48.3	24.7	74.1
254	0.2	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

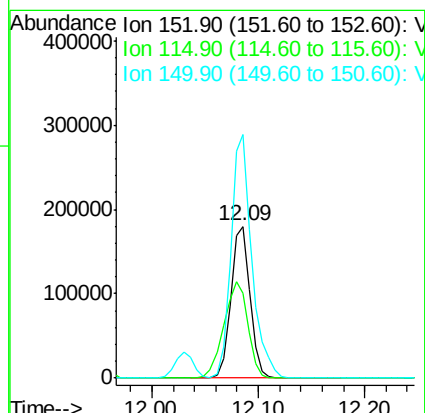
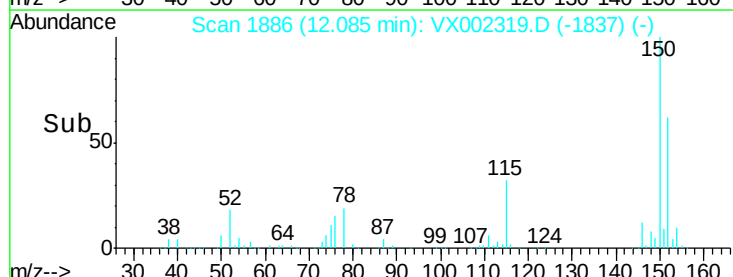
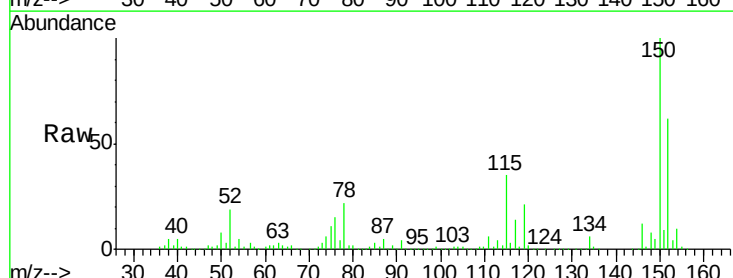
RT: 12.09 min Scan# 1886

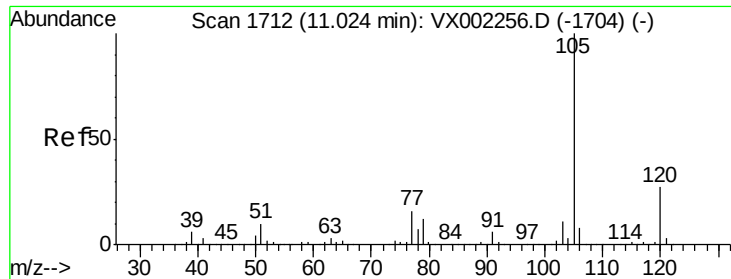
Delta R.T. 0.00 min

Lab File: VX002319.D

Acq: 05 Jun 2018 21:18

Tgt Ion:	152	Resp:	225322
Ion Ratio	Lower	Upper	
152	100		
115	79.3	40.1	120.2
150	174.5	0.0	347.2





#73

Isopropylbenzene

Concen: 48.240 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002319.D

Acq: 05 Jun 2018 21:18

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion:105 Resp: 756132

Ion Ratio Lower Upper

105 100

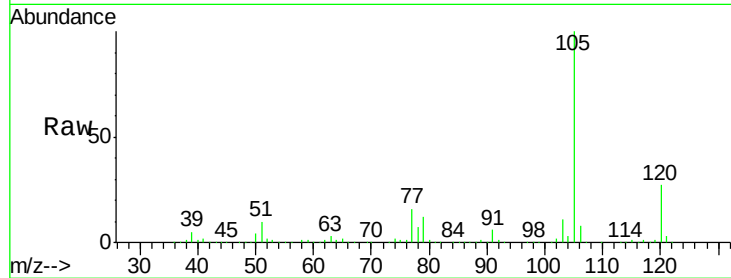
120 27.0 13.5 40.4

Manual Integrations

APPROVED

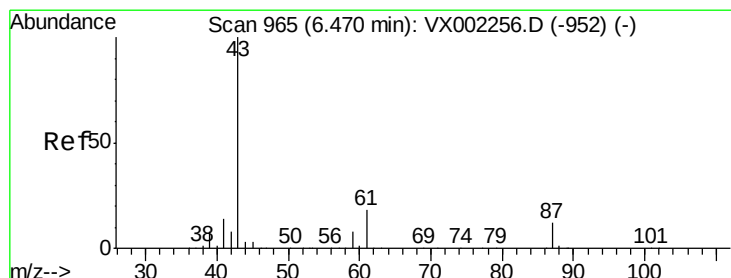
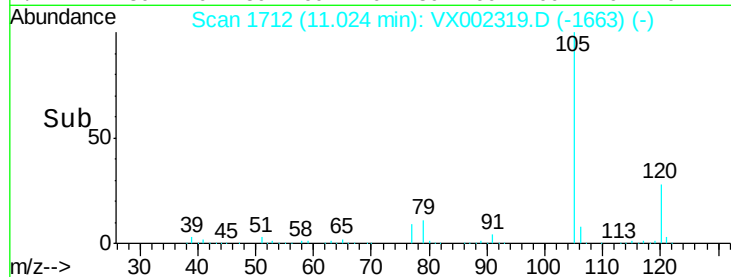
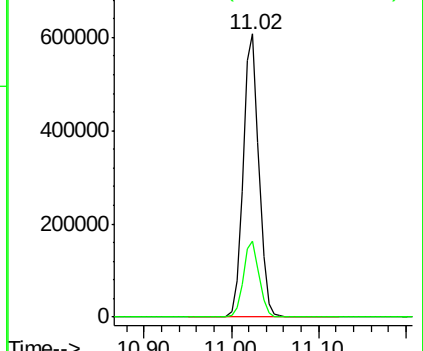
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 41.772 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX002319.D

Acq: 05 Jun 2018 21:18

Tgt Ion: 43 Resp: 352799

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.0 0.0#

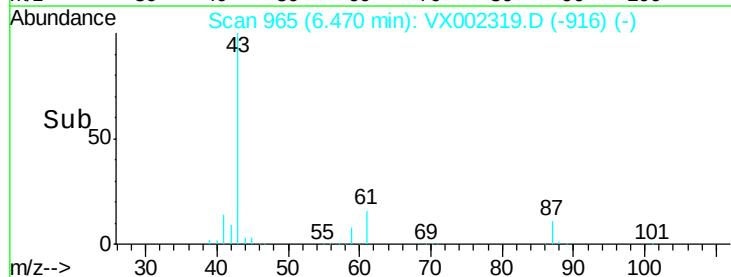
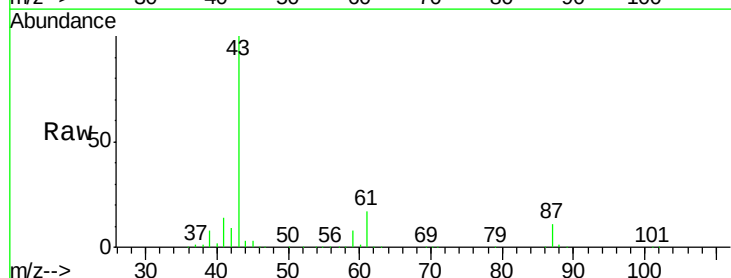
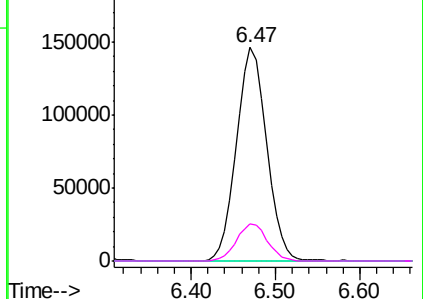
61 17.9 14.4 21.6

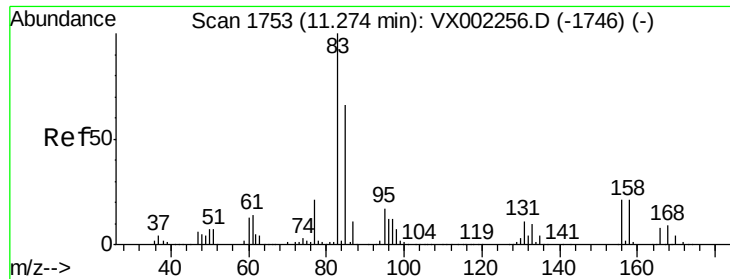
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 43.728 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002319.D

Acq: 05 Jun 2018 21:18

Instrument :

MSVOA_X

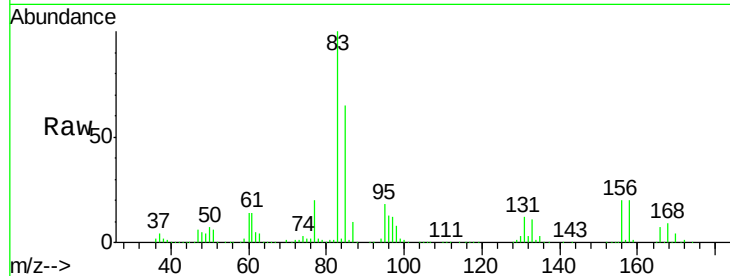
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	215571
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.6	16.8
85	64.6	32.4	97.2

Manual Integrations
APPROVED

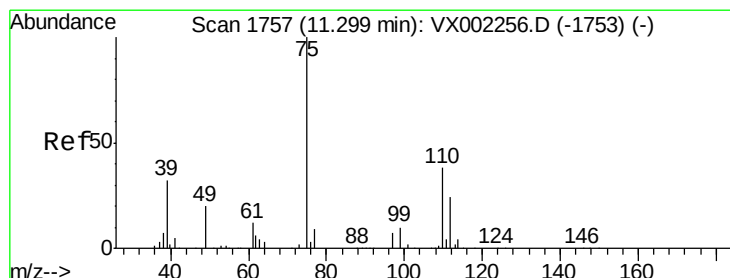
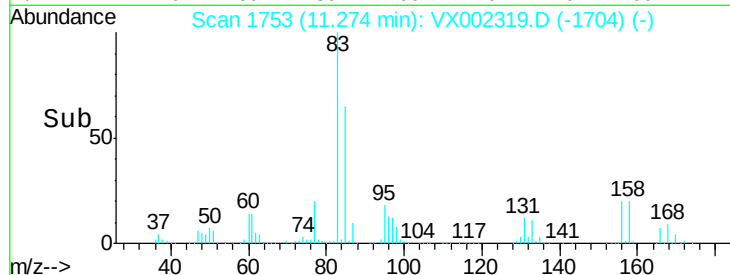
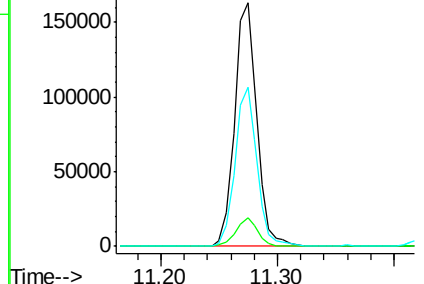
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 44.130 ug/l m

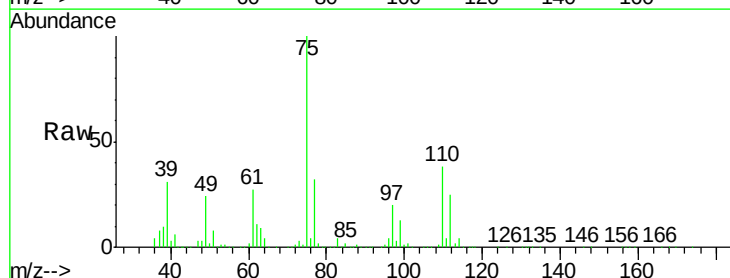
RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX002319.D

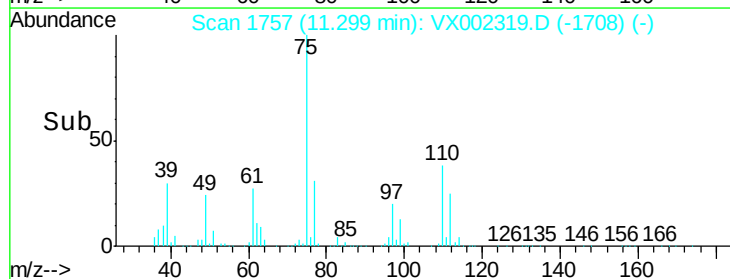
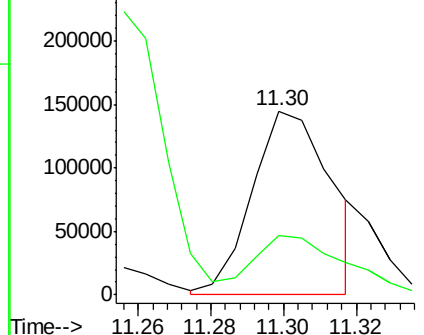
Acq: 05 Jun 2018 21:18

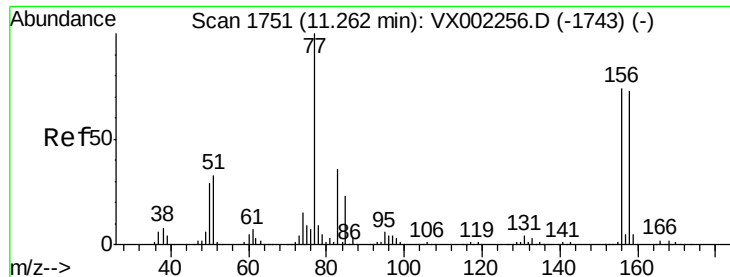
Tgt Ion:	75	Resp:	218188
Ion Ratio	Lower	Upper	
75	100		
77	38.0	22.8	68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 46.081 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX002319.D

Acq: 05 Jun 2018 21:18

Instrument :

MSVOA_X

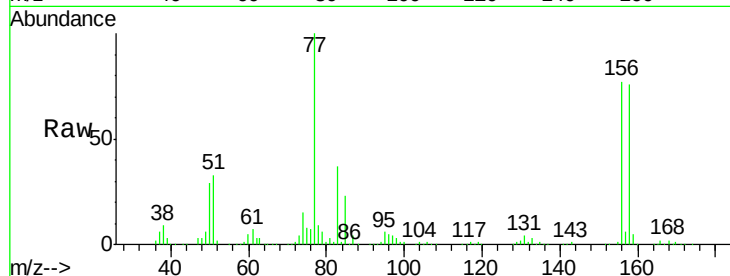
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	202777
Ion Ratio	Lower	Upper	
156	100		
77	140.6	71.4	214.2
158	97.8	48.9	146.6

Manual Integrations
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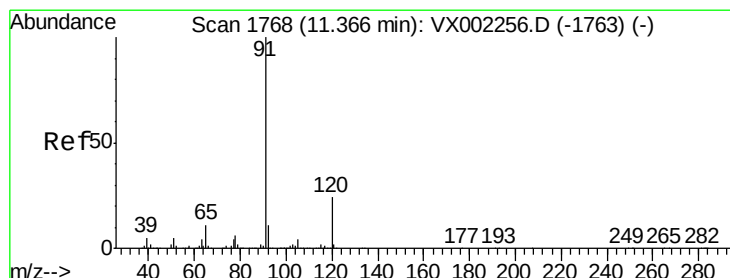
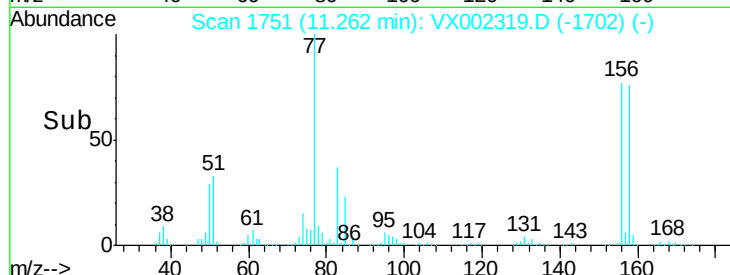
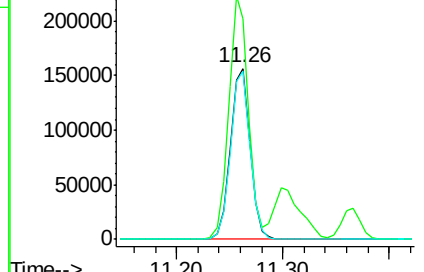
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.617 ug/l

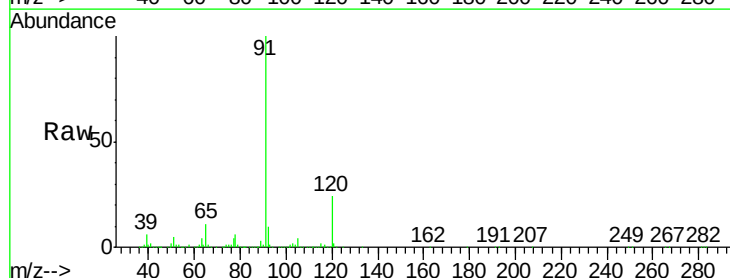
RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002319.D

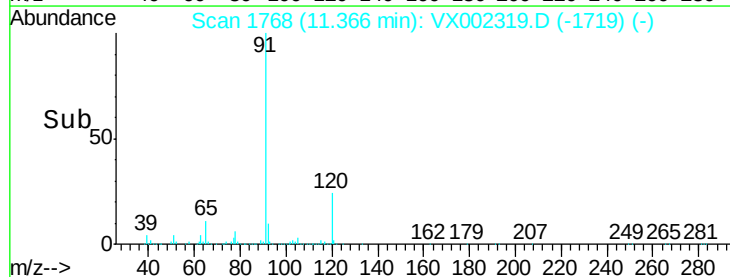
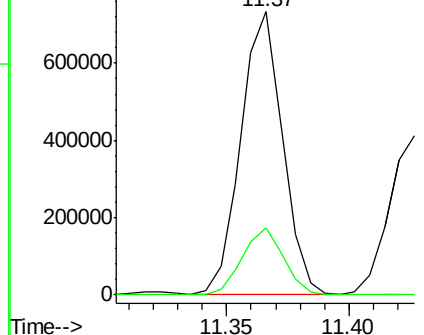
Acq: 05 Jun 2018 21:18

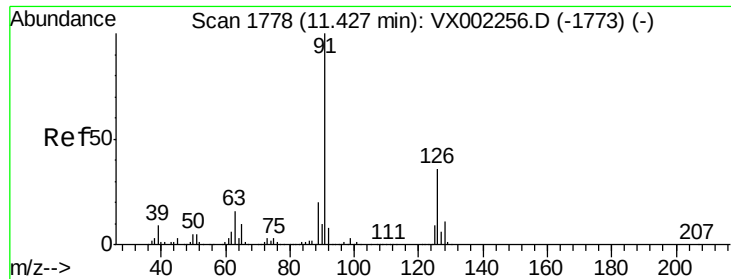
Tgt Ion:	91	Resp:	864423
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





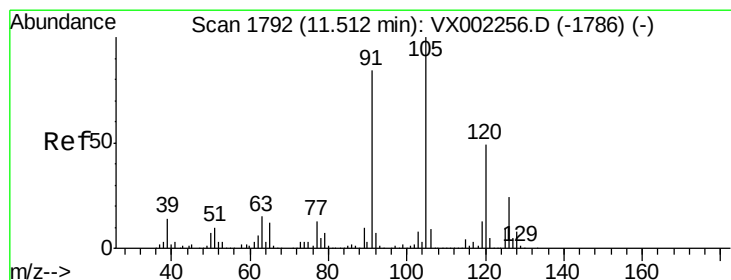
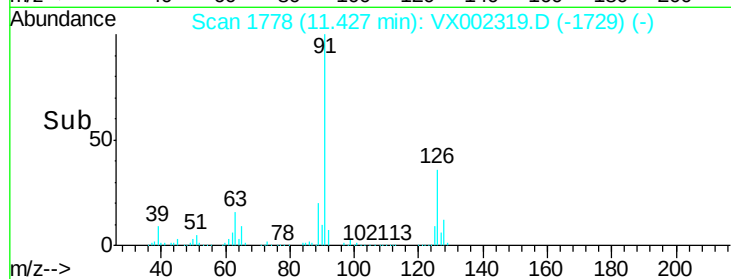
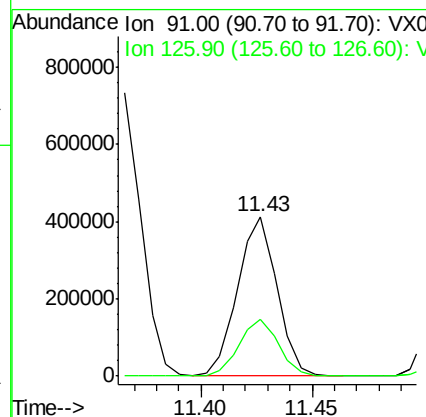
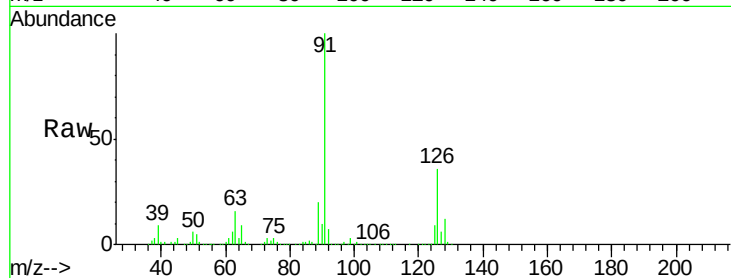
#79
2-Chlorotoluene
Concen: 46.264 ug/l
RT: 11.43 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 508939
Ion Ratio Lower Upper
91 100
126 35.9 17.7 53.1

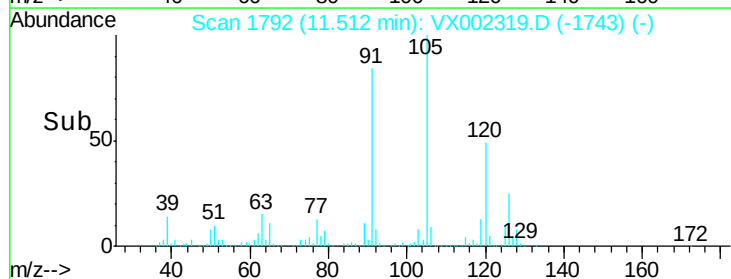
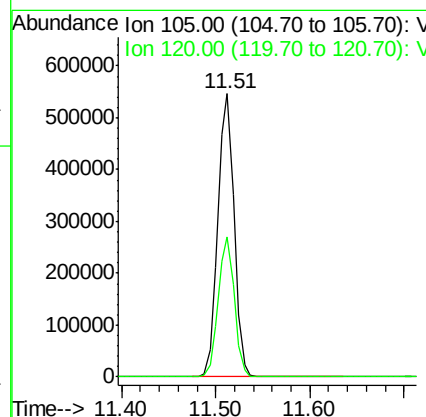
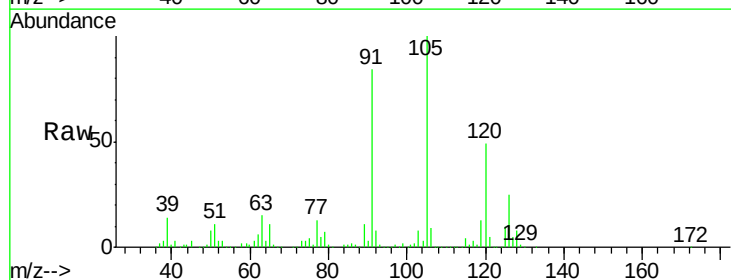
Manual Integrations
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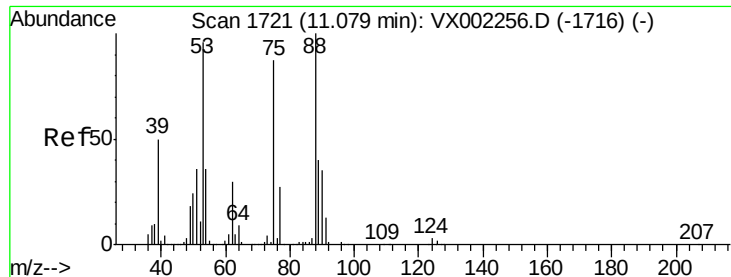
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 48.604 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Tgt Ion: 105 Resp: 653443
Ion Ratio Lower Upper
105 100
120 48.7 24.4 73.4





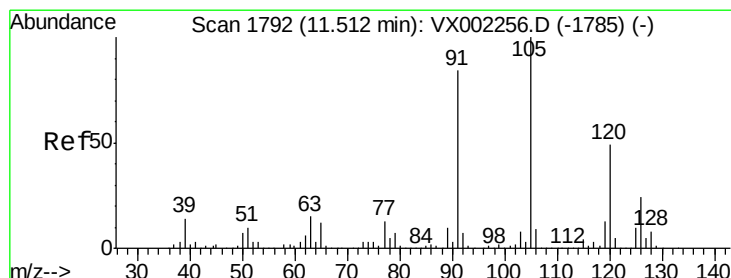
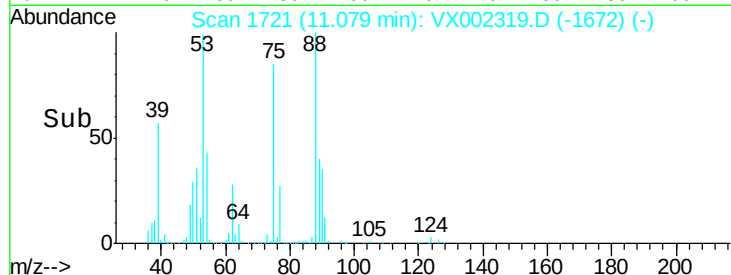
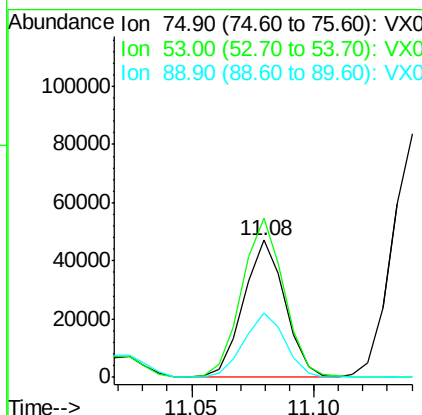
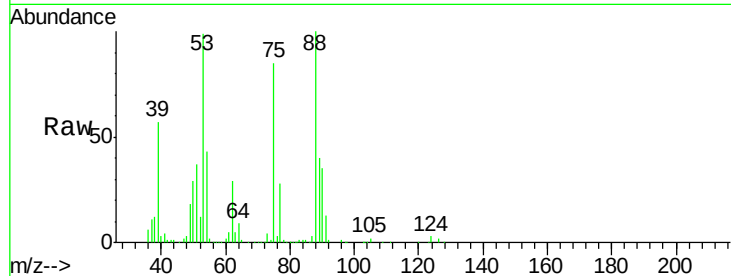
#81
trans-1,4-Dichloro-2-butene
Concen: 38.975 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.0	86.8	130.2
89	47.5	38.2	57.2

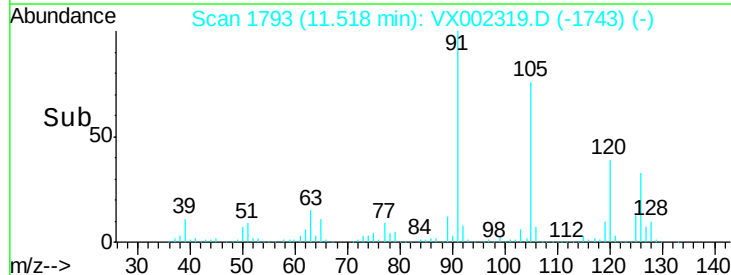
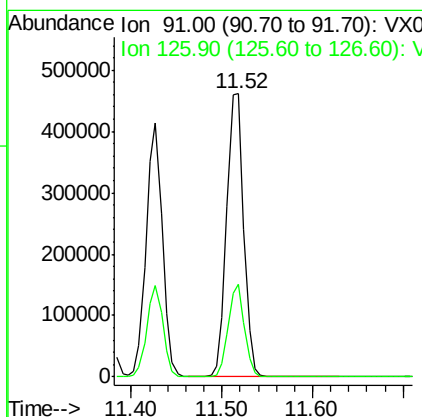
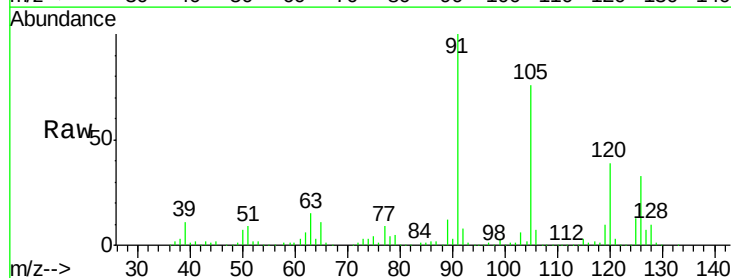
Manual Integrations
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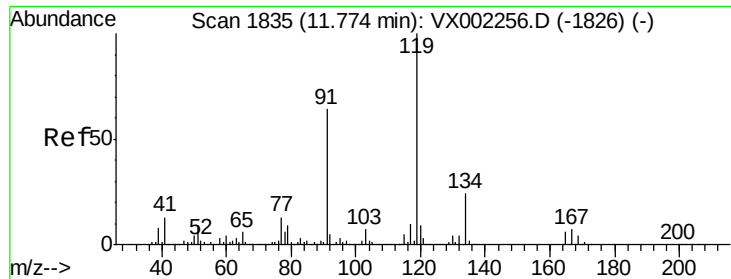
MMDadoda
6/6/2018 4:10:43 PM



#82
4-Chlorotoluene
Concen: 47.723 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.01 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.4	46.4





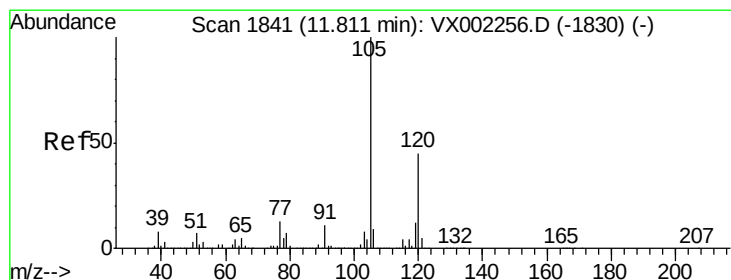
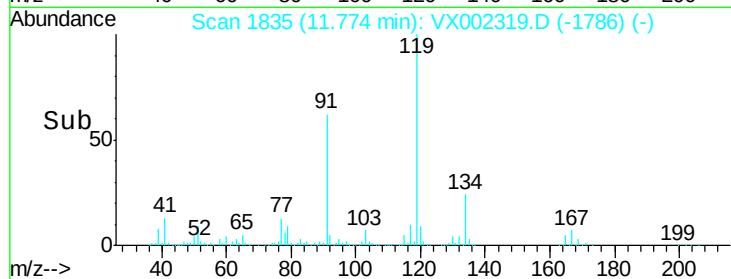
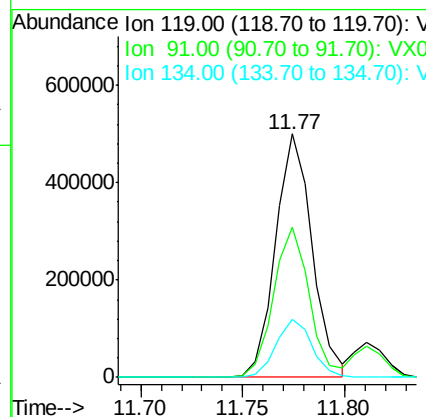
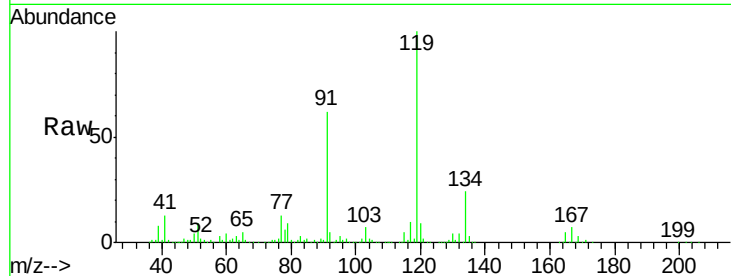
#83
 tert-Butylbenzene
 Concen: 47.839 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX002319.D
 Acq: 05 Jun 2018 21:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.4	30.3	90.9
134	23.6	11.7	35.1

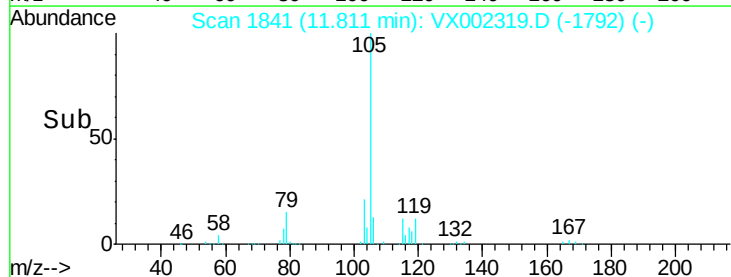
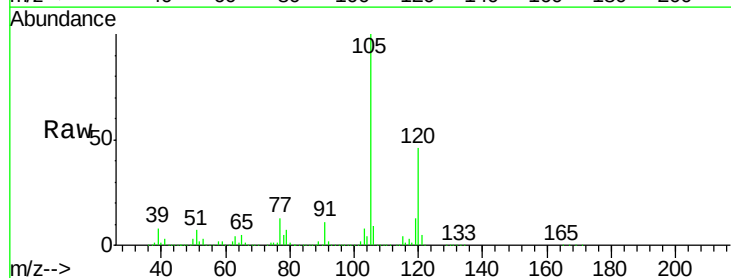
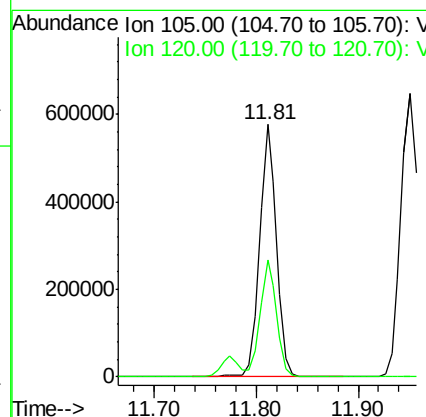
Manual Integrations
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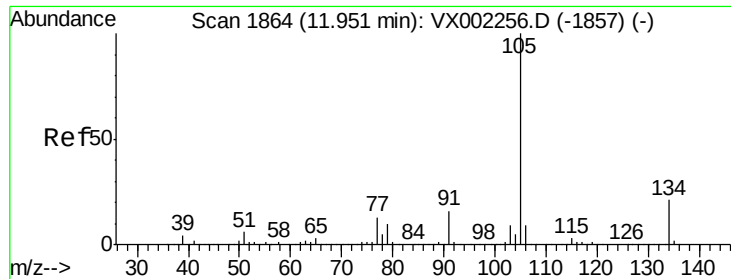
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 6/6/2018 4:10:43 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.463 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002319.D
 Acq: 05 Jun 2018 21:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.3	66.8





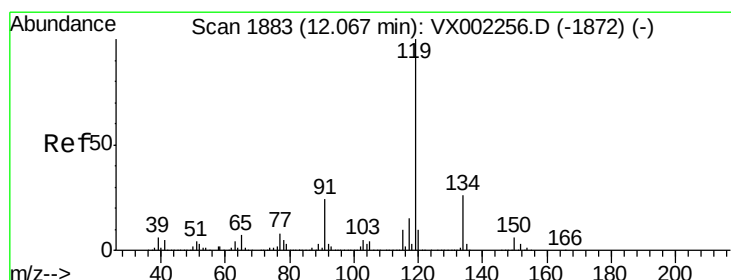
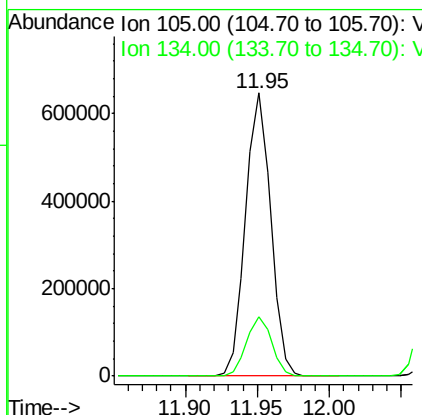
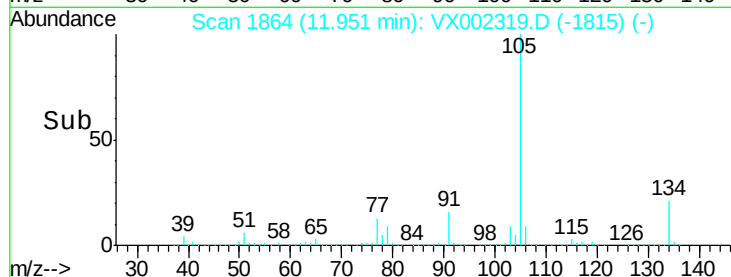
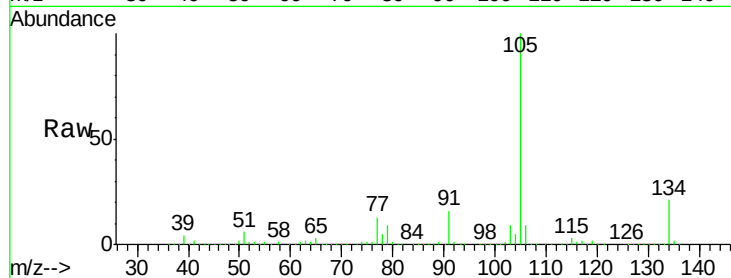
#85
 sec-Butylbenzene
 Concen: 50.968 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX002319.D
 Acq: 05 Jun 2018 21:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.4	31.1

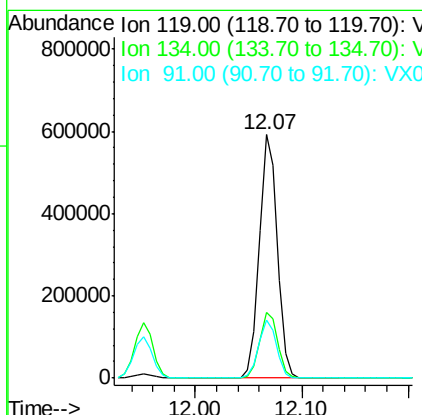
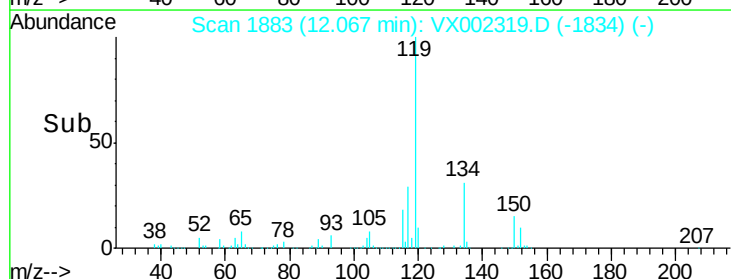
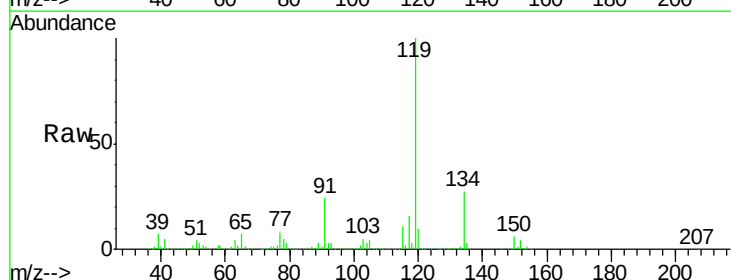
Manual Integrations
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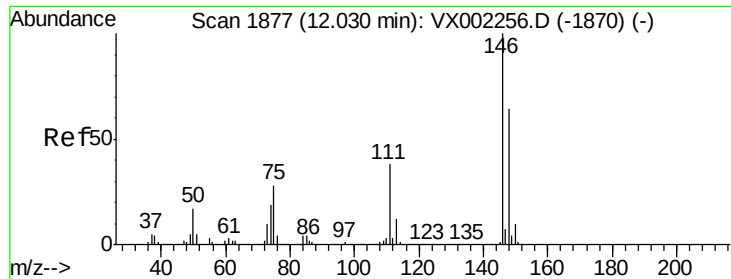
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 6/6/2018 4:10:43 PM



#86
 p-Isopropyltoluene
 Concen: 50.230 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX002319.D
 Acq: 05 Jun 2018 21:18

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.4	40.1
91	23.9	11.9	35.7





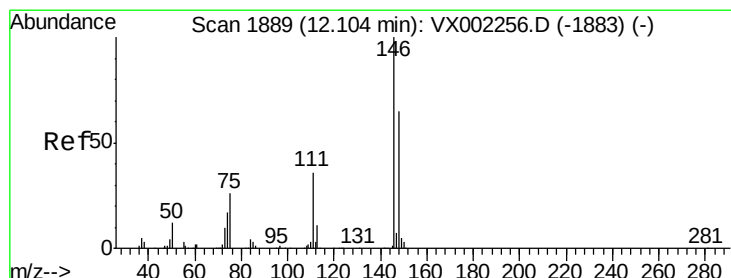
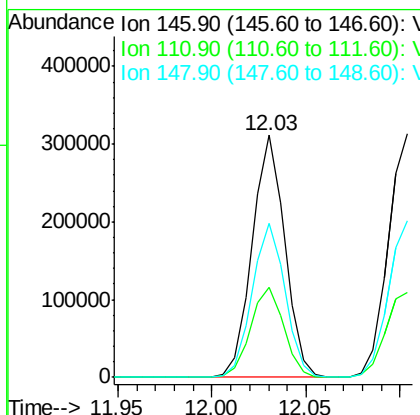
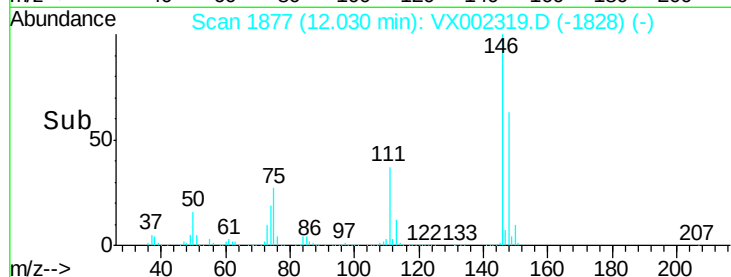
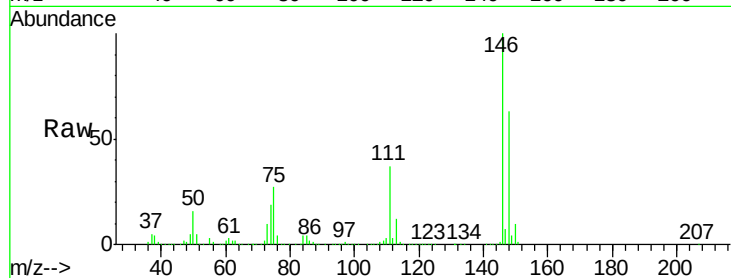
#87
 1,3-Dichlorobenzene
 Concen: 47.566 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002319.D
 Acq: 05 Jun 2018 21:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.7
148	64.2	32.1	96.3

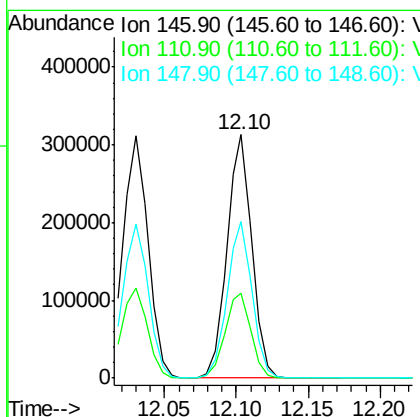
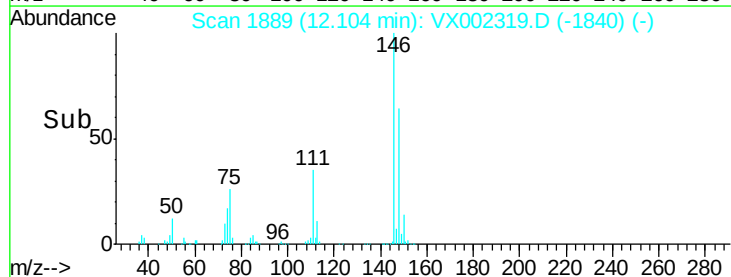
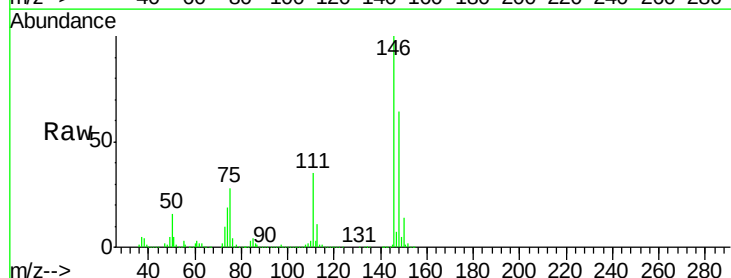
Manual Integrations
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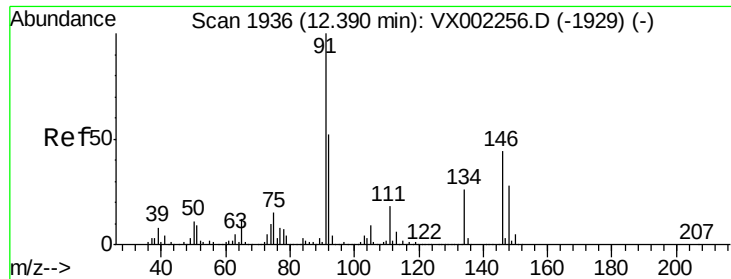
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 6/6/2018 4:10:43 PM



#88
 1,4-Dichlorobenzene
 Concen: 46.768 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002319.D
 Acq: 05 Jun 2018 21:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.7	56.1
148	64.3	32.4	97.0





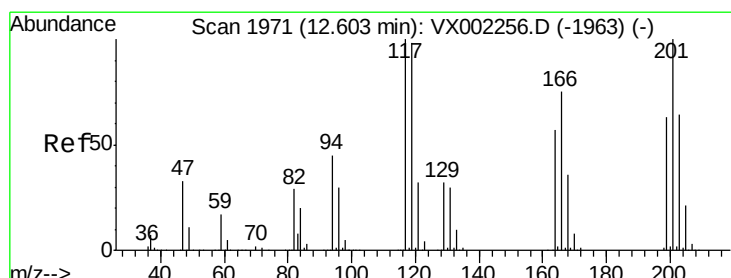
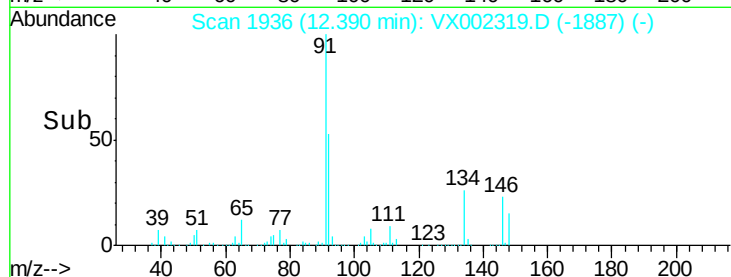
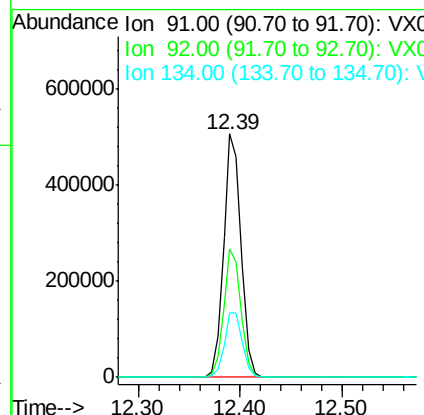
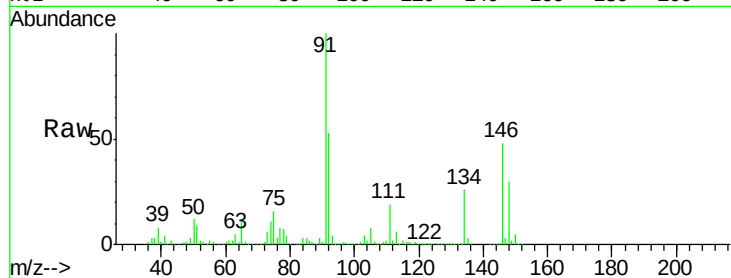
#89
n-Butylbenzene
Concen: 51.638 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.0	78.0
134	27.4	13.5	40.5

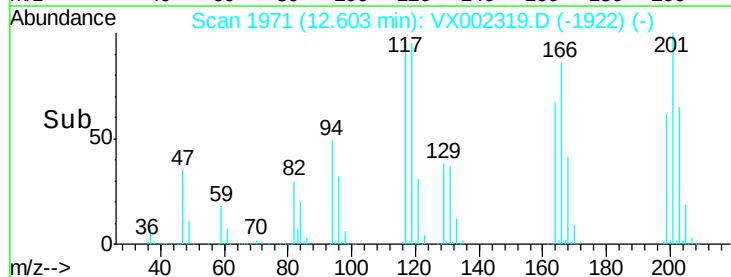
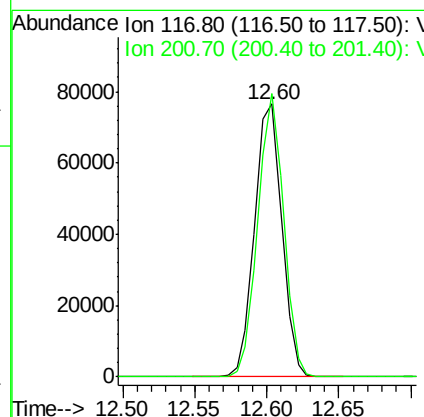
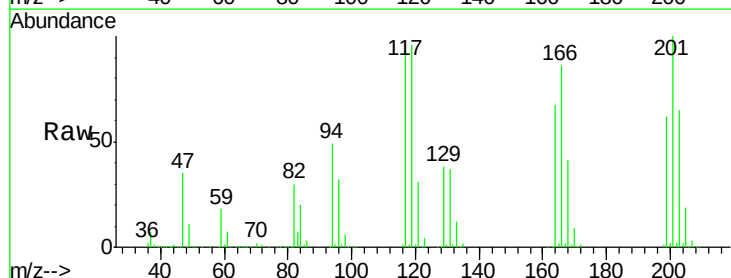
Manual Integrations
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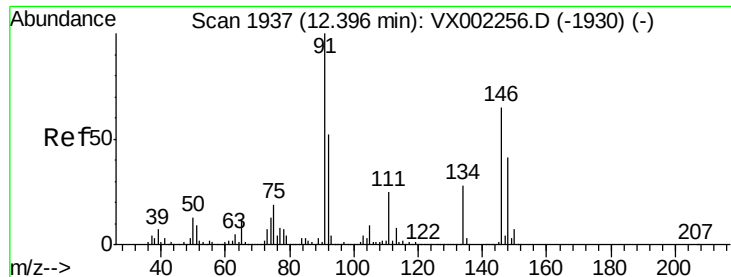
MMDadoda
6/6/2018 4:10:43 PM



#90
Hexachloroethane
Concen: 44.750 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.8	49.0	147.0





#91

1,2-Dichlorobenzene

Concen: 47.332 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX002319.D

Acq: 05 Jun 2018 21:18

Instrument :

MSVOA_X

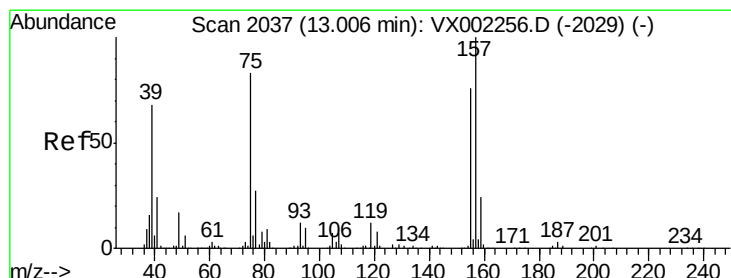
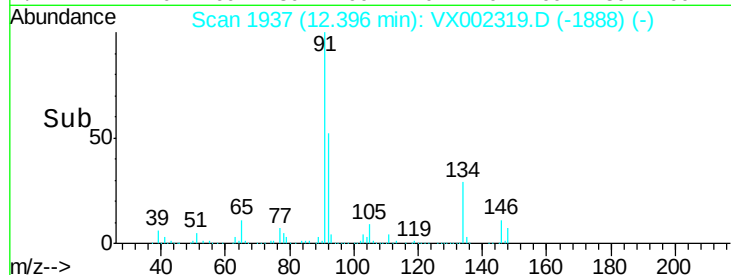
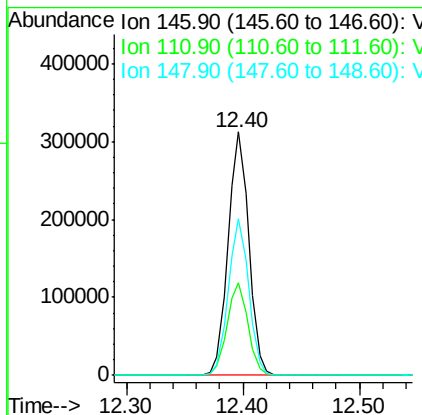
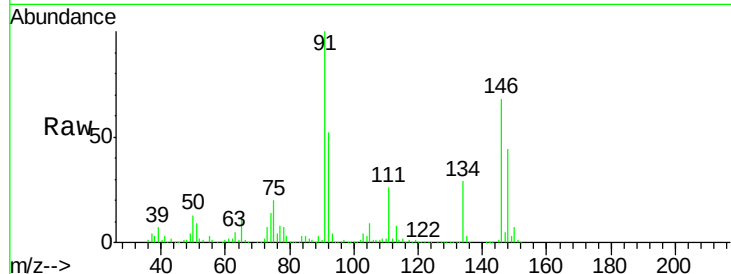
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	385314
Ion Ratio	Lower	Upper	
146	100		
111	38.1	19.4	58.1
148	63.3	31.7	95.1

Manual Integrations
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6/6/2018 4:10:43 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.452 ug/l

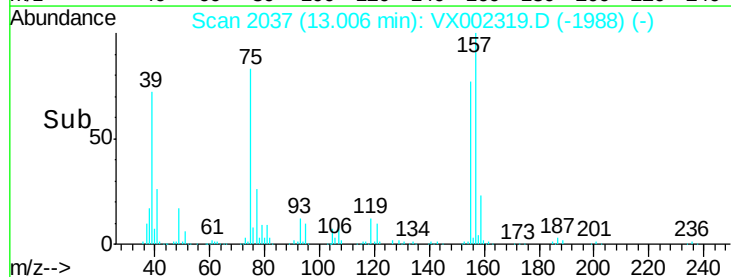
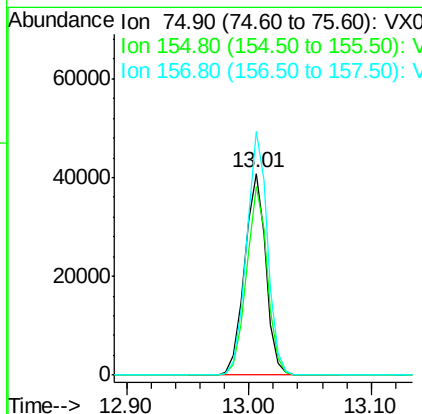
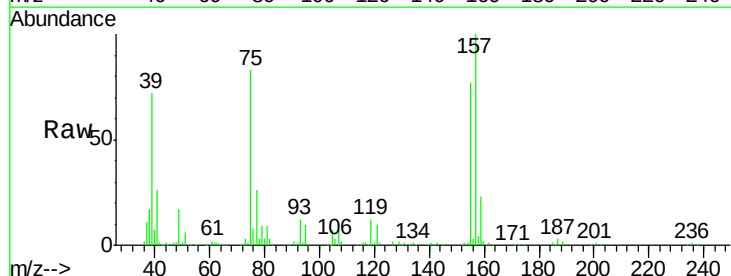
RT: 13.01 min Scan# 2037

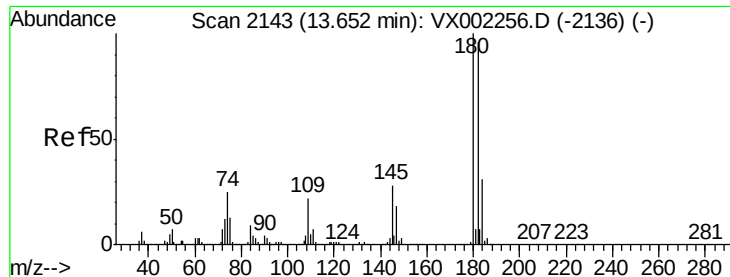
Delta R.T. 0.00 min

Lab File: VX002319.D

Acq: 05 Jun 2018 21:18

Tgt Ion:	75	Resp:	49000
Ion Ratio	Lower	Upper	
75	100		
155	91.8	45.8	137.4
157	119.2	60.1	180.3





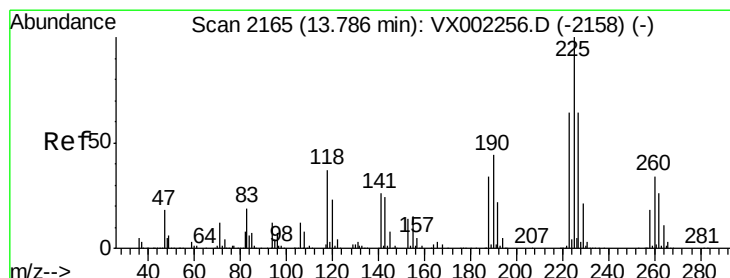
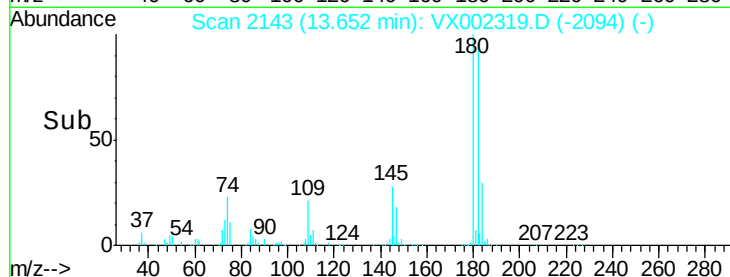
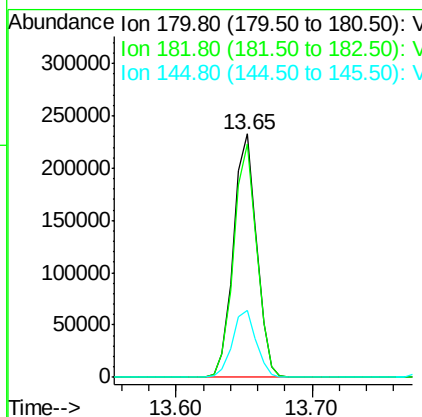
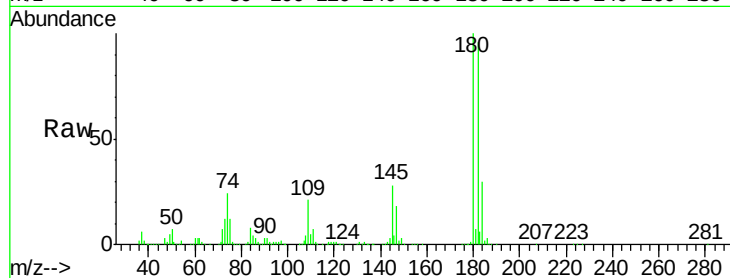
#93
 1,2,4-Trichlorobenzene
 Concen: 48.373 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002319.D
 Acq: 05 Jun 2018 21:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	276123		
182	95.5	47.7	143.1	
145	28.1	14.1	42.4	

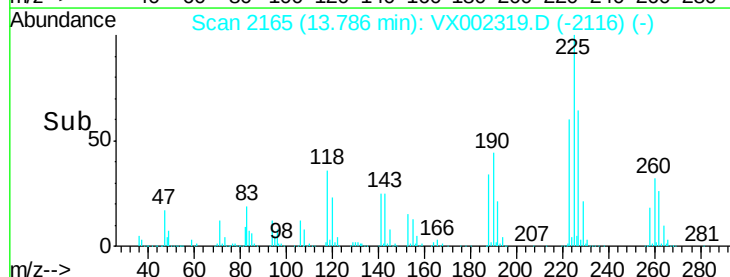
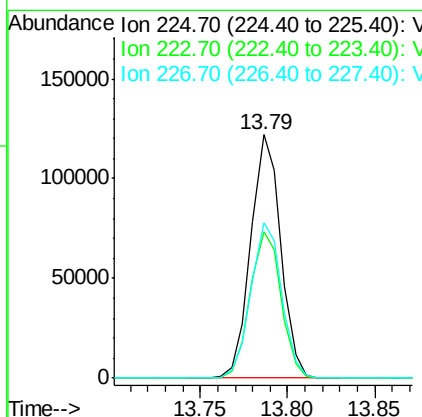
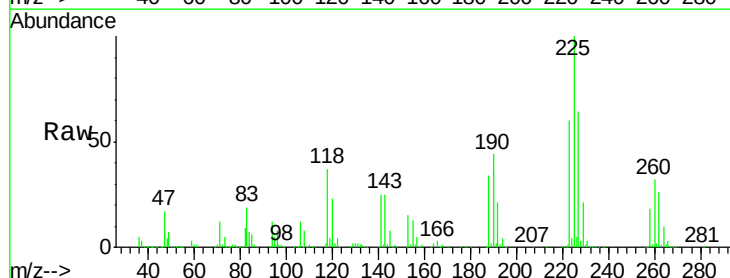
Manual Integrations
 APPROVED

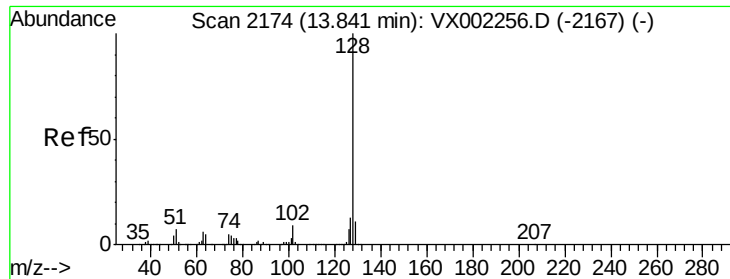
MMDadoda
 6/6/2018 4:10:43 PM



#94
 Hexachlorobutadiene
 Concen: 51.660 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002319.D
 Acq: 05 Jun 2018 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	145718		
223	62.0	31.6	95.0	
227	65.1	32.4	97.2	





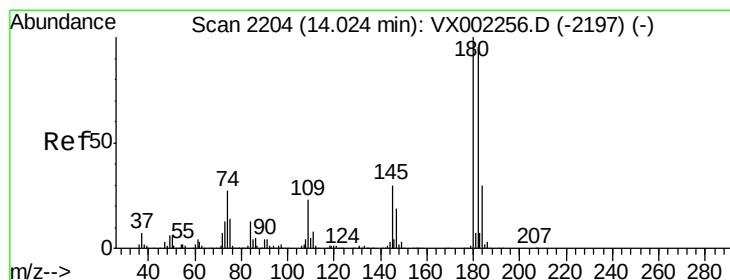
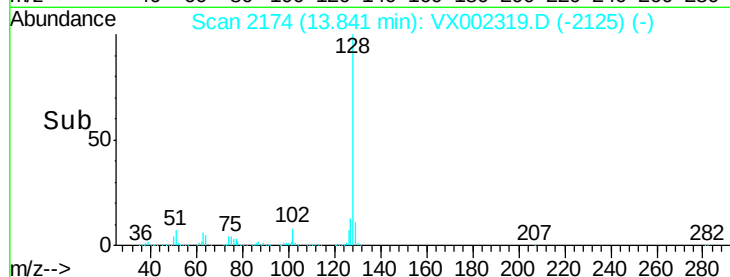
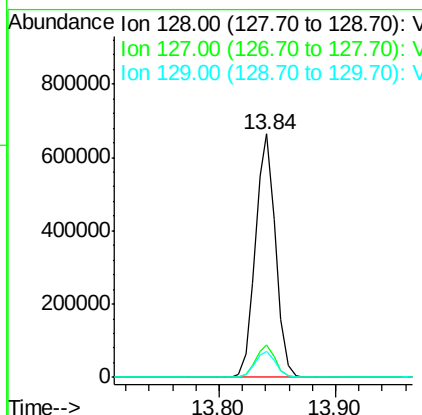
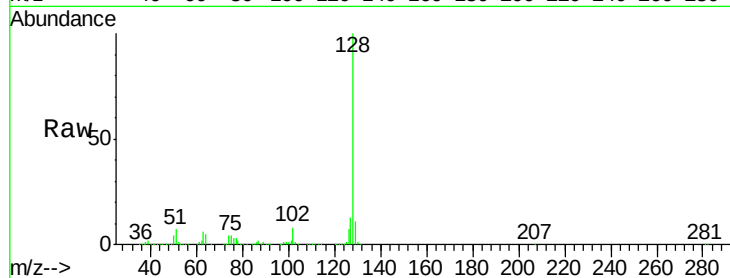
#95
Naphthalene
Concen: 48.477 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	795060		
127	13.1		10.4	15.6
129	10.9		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/6/2018 4:10:43 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.399 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX002319.D
Acq: 05 Jun 2018 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	281754		
182	96.1		48.0	144.0
145	29.7		14.8	44.3

