

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX060218\
 Data File : VX002251.D
 Acq On : 02 Jun 2018 20:31
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/4/2018 2:31:54 PM

Quant Time: Jun 04 07:48:19 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	171100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	270304	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	265994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	179539	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	165710	54.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.36%	
35) Dibromofluoromethane	5.51	113	125885	46.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.14%	
50) Toluene-d8	8.72	98	463417	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	
62) 4-Bromofluorobenzene	11.14	95	184303	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	59868	27.025	ug/l	98
3) Chloromethane	1.32	50	120770	45.876	ug/l	100
4) Vinyl Chloride	1.41	62	115540	45.454	ug/l	99
5) Bromomethane	1.64	94	79727	68.497	ug/l	98
6) Chloroethane	1.71	64	85420	57.006	ug/l	99
7) Trichlorofluoromethane	1.92	101	168478	44.136	ug/l	97
8) Diethyl Ether	2.19	74	93835	67.750	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	85927	40.340	ug/l	98
10) Methyl Iodide	2.51	142	164548	57.092	ug/l	97
11) Tert butyl alcohol	3.09	59	204353	340.392	ug/l	100
12) 1,1-Dichloroethene	2.37	96	100950	50.619	ug/l	93
13) Acrolein	2.30	56	61913	238.523	ug/l	99
14) Allyl chloride	2.73	41	245327	58.603	ug/l	98
15) Acrylonitrile	3.15	53	433878	351.450	ug/l	99
16) Acetone	2.45	43	430069	364.361	ug/l	99
17) Carbon Disulfide	2.56	76	220176	38.360	ug/l	99
18) Methyl Acetate	2.78	43	224815	79.741	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	507060	67.600	ug/l	100
20) Methylene Chloride	2.86	84	147544	72.960	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	120305	62.353	ug/l	97
22) Diisopropyl ether	3.88	45	478658	56.213	ug/l	98
23) Vinyl Acetate	3.83	43	2077868	294.317	ug/l	99
24) 1,1-Dichloroethane	3.70	63	249112	61.587	ug/l	100
25) 2-Butanone	4.71	43	597370	276.133	ug/l	98
26) 2,2-Dichloropropane	4.59	77	143205	34.978	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	138077	53.095	ug/l	92
28) Bromochloromethane	5.03	49	118778	70.731	ug/l	96
29) Tetrahydrofuran	5.17	42	382311	271.623	ug/l	98
30) Chloroform	5.22	83	251035	55.087	ug/l	97
31) Cyclohexane	5.57	56	137980	32.742	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	193337	45.508	ug/l	99
36) 1,1-Dichloropropene	5.80	75	150070	39.914	ug/l	98
37) Ethyl Acetate	4.87	43	231368	47.201	ug/l	99
38) Carbon Tetrachloride	5.78	117	152484	34.779	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	130524	28.257	ug/l	97
40) Benzene	6.15	78	526812	47.827	ug/l	99
41) Methacrylonitrile	5.07	41	132618	51.306	ug/l	99
42) 1,2-Dichloroethane	6.20	62	220315	50.072	ug/l	99
43) Isopropyl Acetate	6.48	43	383546	46.961	ug/l	100
44) Trichloroethene	7.22	130	144177	44.917	ug/l	97
45) 1,2-Dichloropropane	7.52	63	144971	48.463	ug/l	98
46) Dibromomethane	7.67	93	99518	50.248	ug/l	99
47) Bromodichloromethane	7.90	83	183985	43.568	ug/l	100
48) Methyl methacrylate	7.78	41	195999	47.151	ug/l	97
49) 1,4-Dioxane	7.76	88	78063	1065.693	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	1266696	257.281	ug/l	100
52) Toluene	8.79	92	339354	48.410	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	218942	45.015	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	206442	43.559	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	152279	52.000	ug/l	98
56) Ethyl methacrylate	9.19	69	242289	48.101	ug/l	98
57) 1,3-Dichloropropane	9.38	76	252068	52.250	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	539035	241.443	ug/l	99
59) 2-Hexanone	9.50	43	981267	258.482	ug/l	100
60) Dibromochloromethane	9.59	129	154644	44.584	ug/l	99
61) 1,2-Dibromoethane	9.68	107	158510	51.585	ug/l	99
64) Tetrachloroethene	9.34	164	161398	42.320	ug/l	99
65) Chlorobenzene	10.14	112	403538	47.884	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	152335	44.765	ug/l	100
67) Ethyl Benzene	10.26	91	655967	44.800	ug/l	100
68) m/p-Xylenes	10.37	106	512321	91.533	ug/l	99
69) o-Xylene	10.70	106	262189	46.915	ug/l	99
70) Styrene	10.71	104	444088	47.915	ug/l	99
71) Bromoform	10.86	173	122013	37.813	ug/l #	100
73) Isopropylbenzene	11.02	105	656472	43.179	ug/l	100
74) N-amyl acetate	6.48	43	383546	48.538	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	227796	54.907	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	232470m	53.907	ug/l	
77) Bromobenzene	11.26	156	198108	49.113	ug/l	95
78) n-propylbenzene	11.37	91	737861	43.333	ug/l	100
79) 2-Chlorotoluene	11.43	91	474857	50.876	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	572124	44.034	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	60174	33.536	ug/l	87
82) 4-Chlorotoluene	11.51	91	556931	46.373	ug/l	100
83) tert-Butylbenzene	11.77	119	545076	42.751	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	609423	45.389	ug/l	99
85) sec-Butylbenzene	11.95	105	638980	41.691	ug/l	100
86) p-Isopropyltoluene	12.07	119	591854	43.155	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	346610	47.981	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	349372	48.375	ug/l	99
89) n-Butylbenzene	12.39	91	482496	41.519	ug/l	99
90) Hexachloroethane	12.60	117	92935	34.354	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	366783	49.832	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	52887	39.126	ug/l	97

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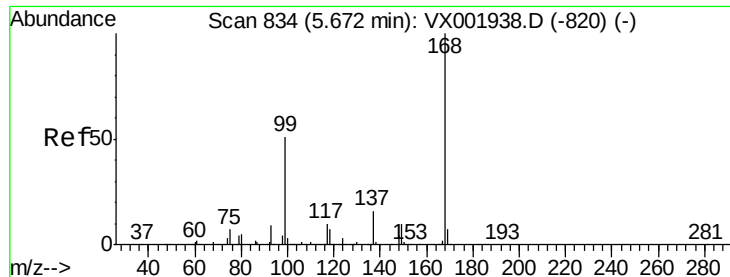
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	250965	47.683	ug/l	99
94) Hexachlorobutadiene	13.79	225	108020	38.154	ug/l	99
95) Naphthalene	13.84	128	798525	49.245	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	265389	48.732	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 171100

Ion Ratio Lower Upper

168 100

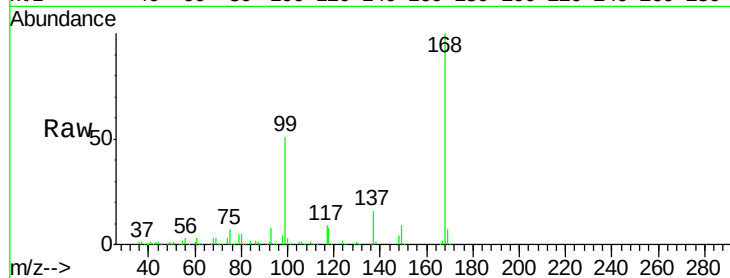
99 50.7 41.0 61.4

Manual Integrations

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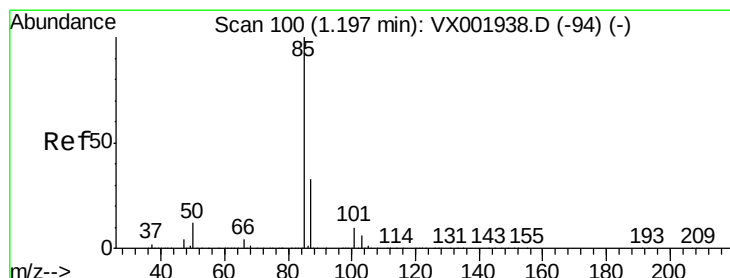
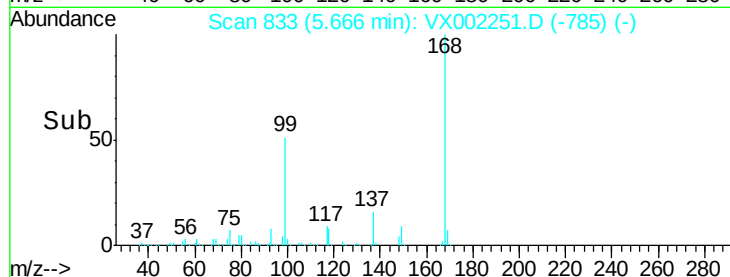
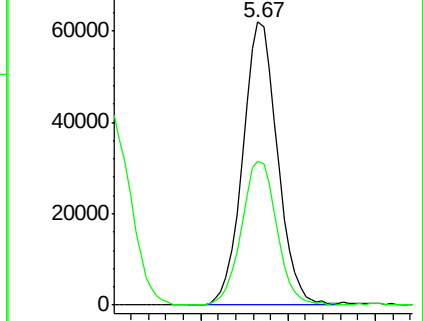
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 27.025 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002251.D

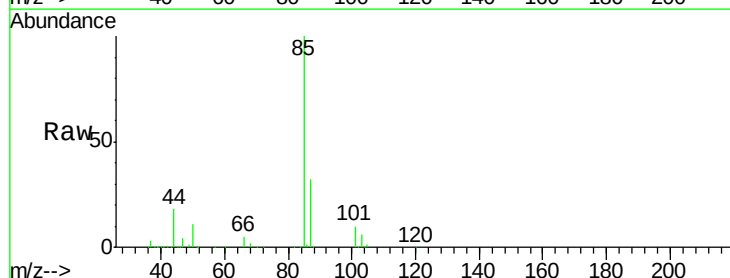
Acq: 02 Jun 2018 20:31

Tgt Ion: 85 Resp: 59868

Ion Ratio Lower Upper

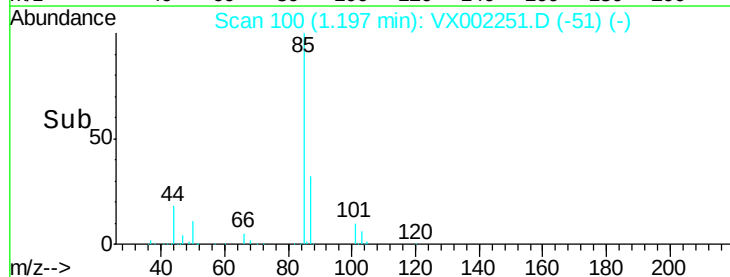
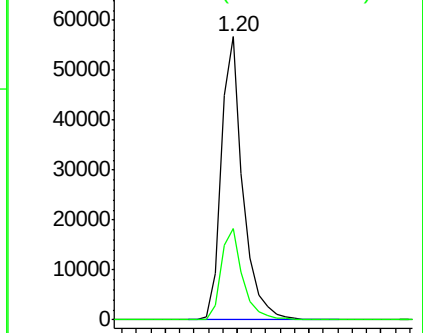
85 100

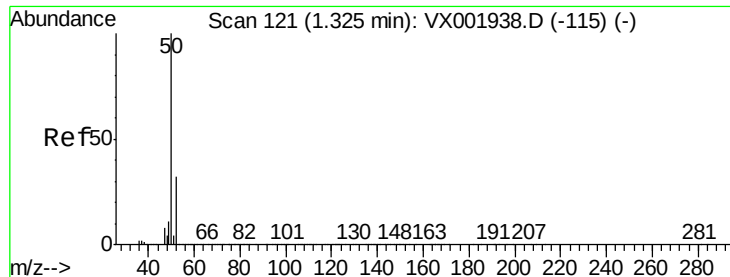
87 32.1 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 45.876 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 120770

Ion Ratio Lower Upper

50 100

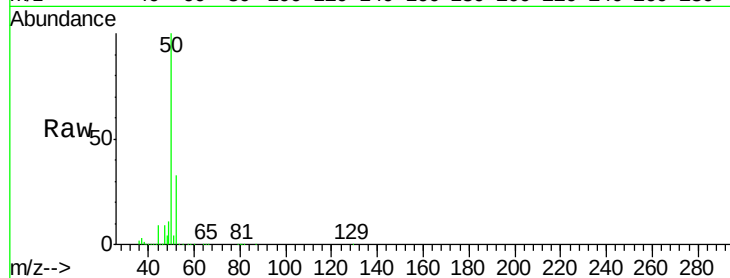
52 32.6 26.0 39.0

Manual Integrations

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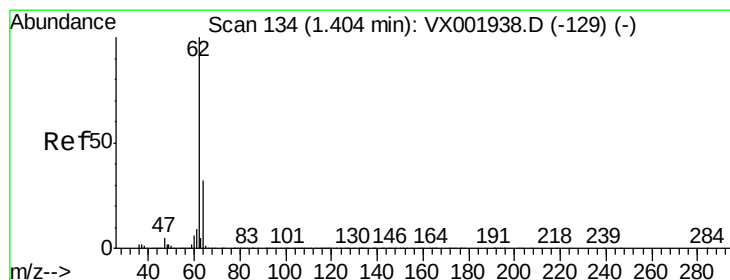
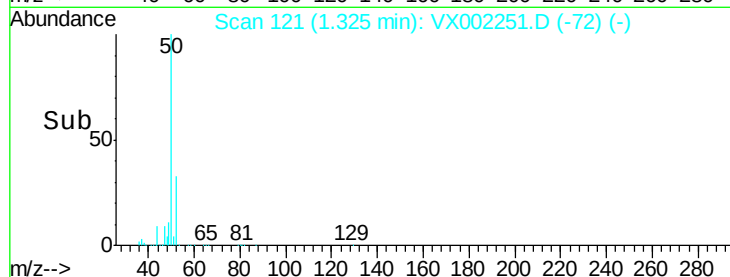
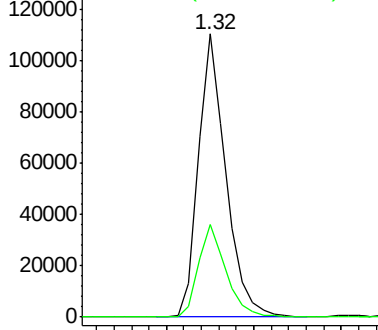
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 45.454 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002251.D

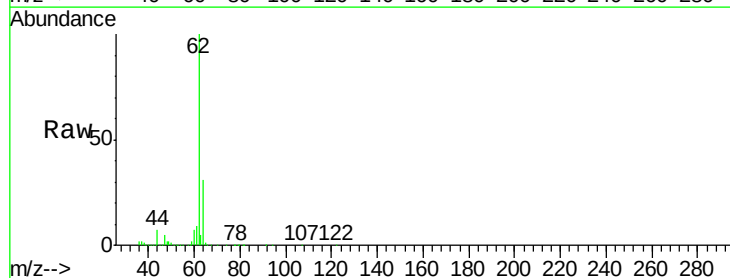
Acq: 02 Jun 2018 20:31

Tgt Ion: 62 Resp: 115540

Ion Ratio Lower Upper

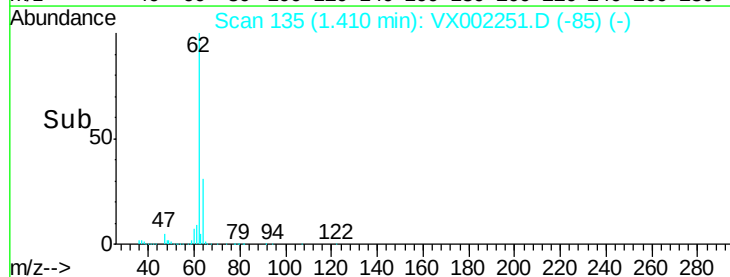
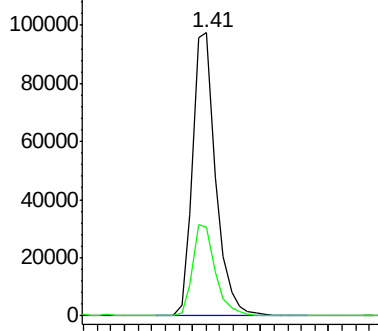
62 100

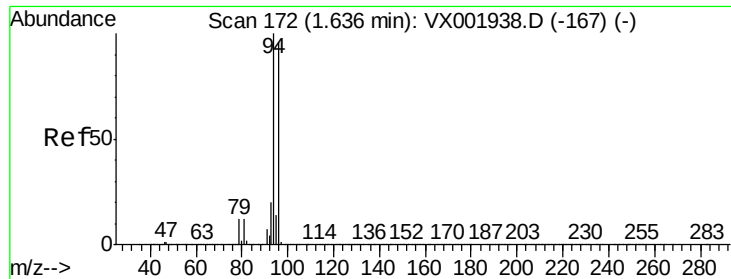
64 31.4 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 68.497 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 79727

Ion Ratio Lower Upper

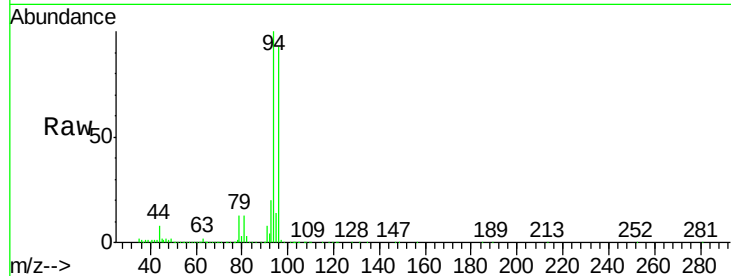
94 100

96 93.2 75.9 113.9

Manual Integrations
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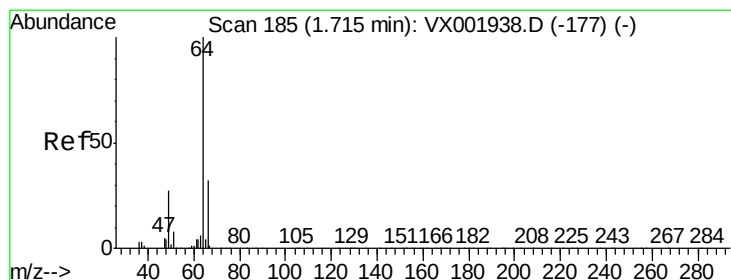
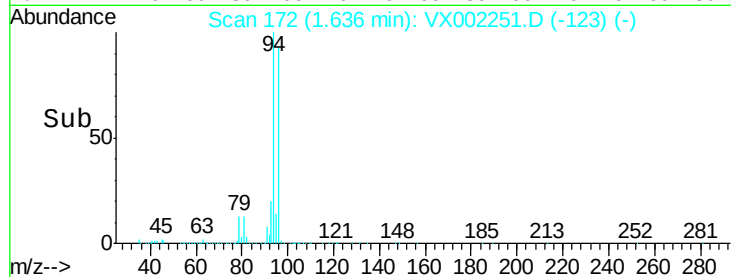
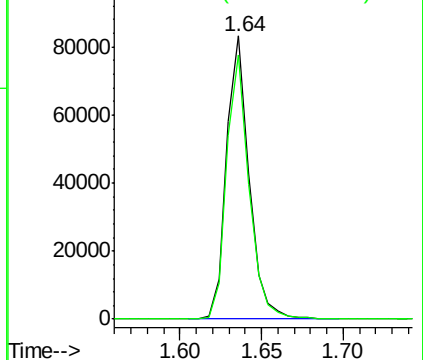
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 57.006 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX002251.D

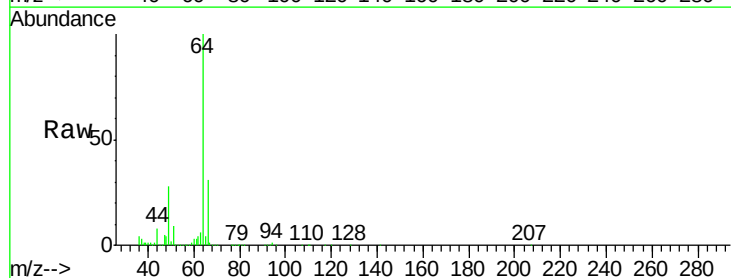
Acq: 02 Jun 2018 20:31

Tgt Ion: 64 Resp: 85420

Ion Ratio Lower Upper

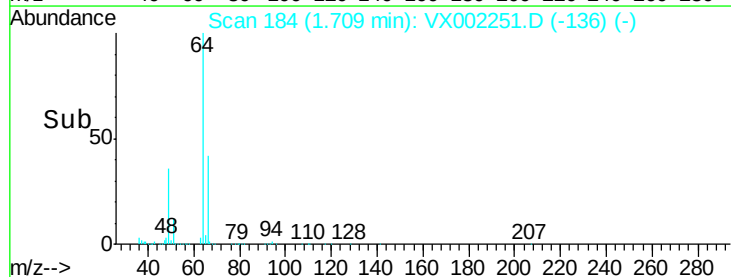
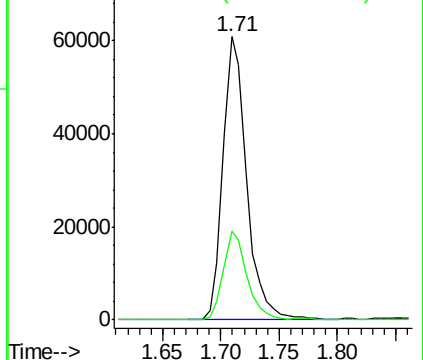
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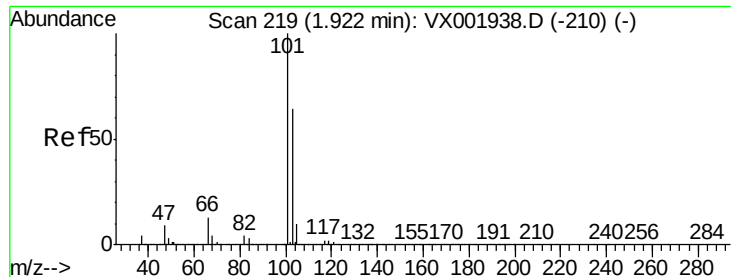
66 31.2 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

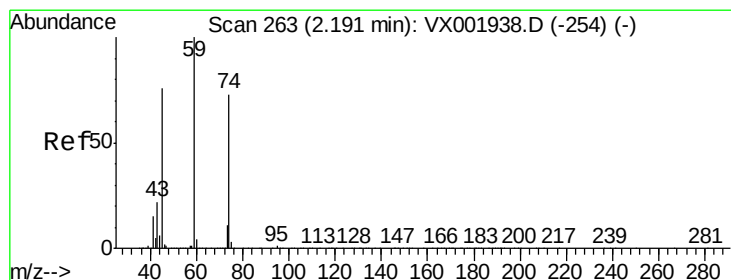
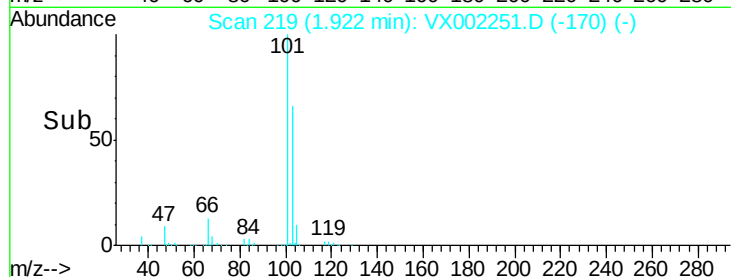
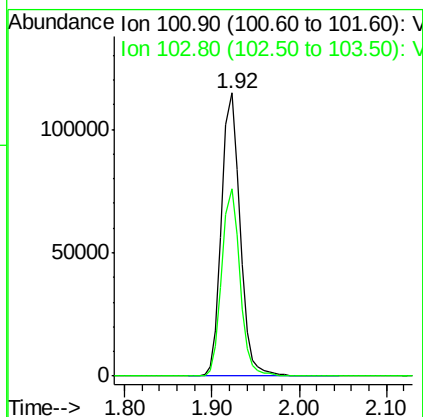
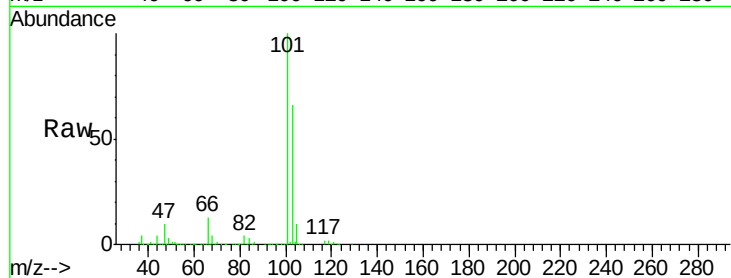
Trichlorofluoromethane
Concen: 44.136 ug/l
RT: 1.92 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Instrument :
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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.4	77.0

Manual Integrations
APPROVED

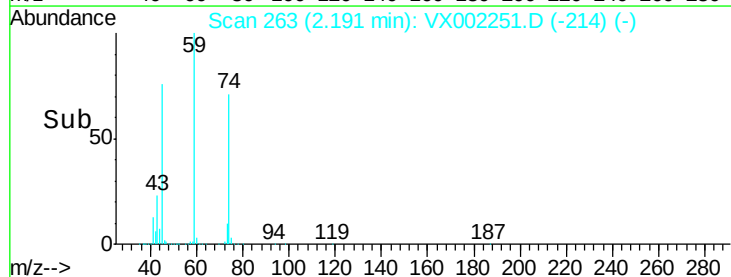
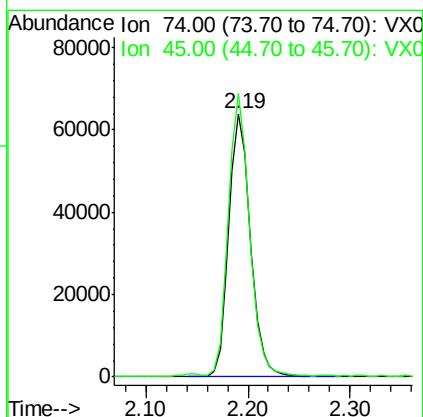
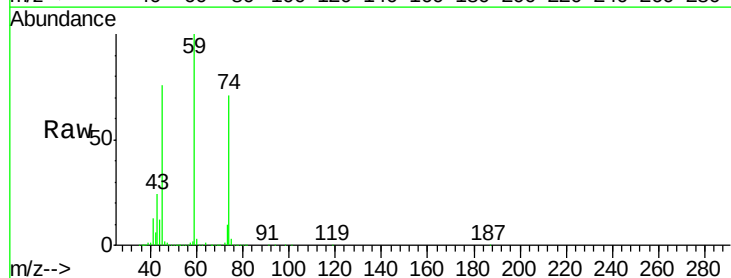
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6/4/2018 2:31:54 PM

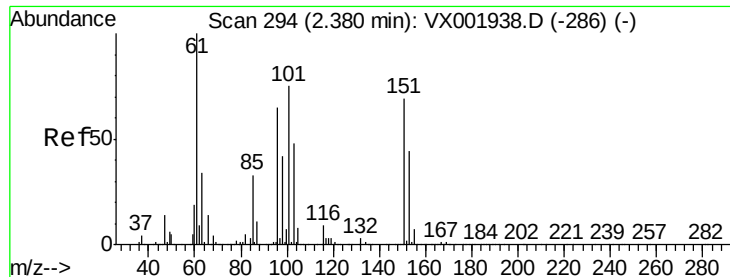


#8

Diethyl Ether
Concen: 67.750 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.1	51.5	154.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 40.340 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Instrument :

MSVOA_X

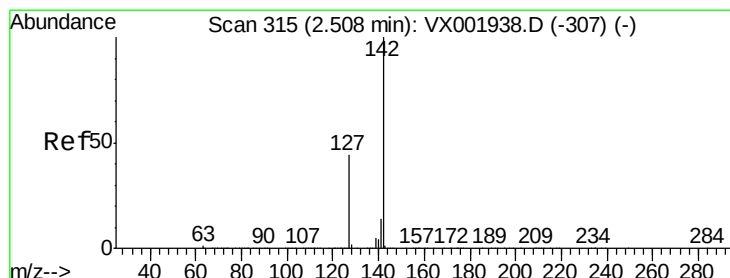
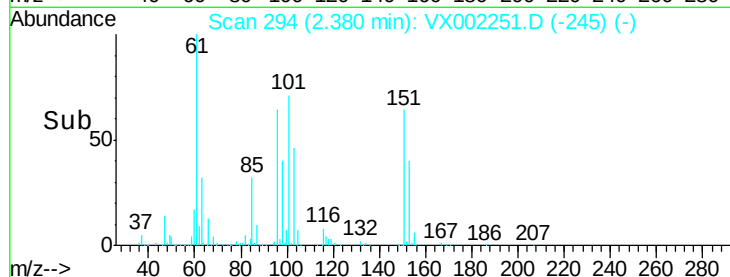
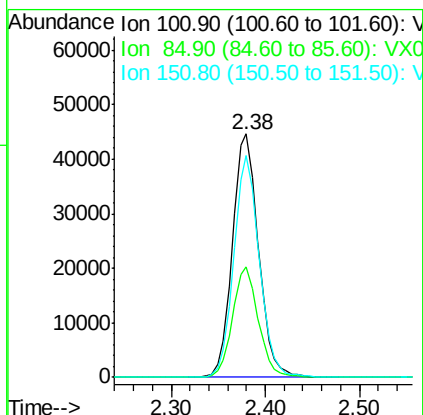
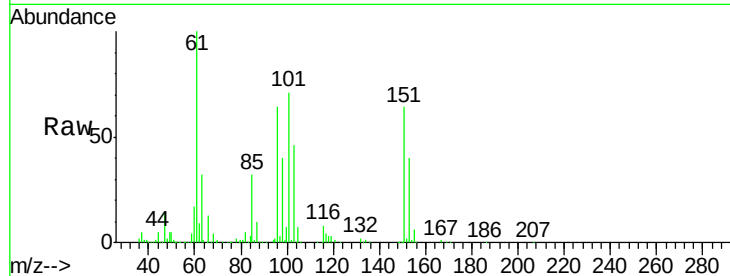
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	85927
Ion Ratio	Lower	Upper	
101	100		
85	45.0	35.6	53.4
151	89.1	73.2	109.8

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#10

Methyl Iodide

Concen: 57.092 ug/l

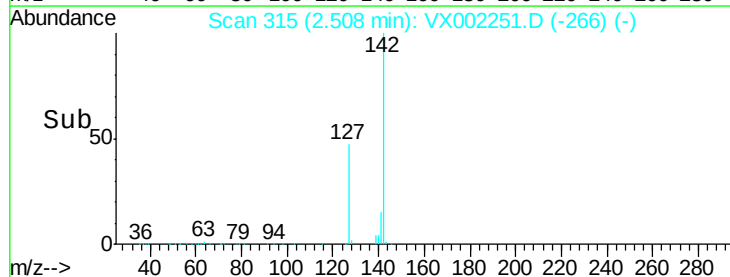
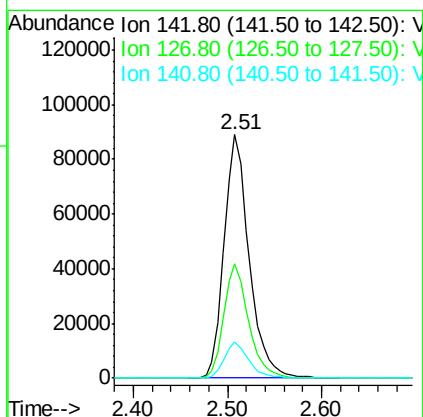
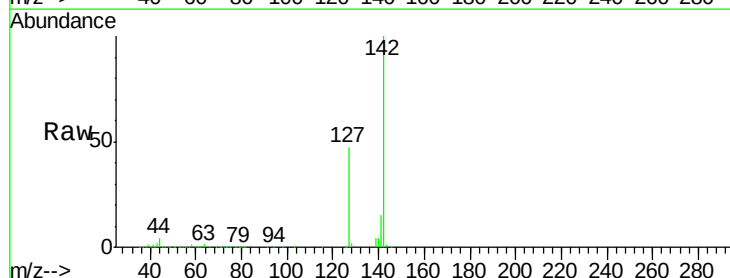
RT: 2.51 min Scan# 315

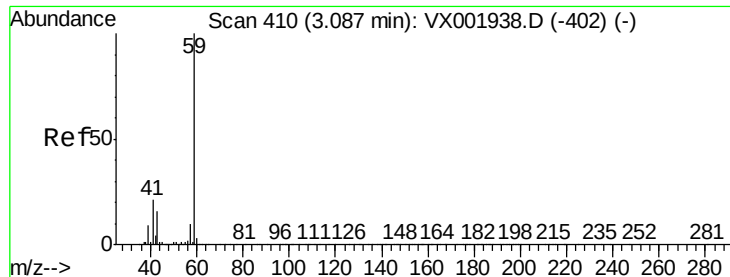
Delta R.T. 0.00 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Tgt Ion:	142	Resp:	164548
Ion Ratio	Lower	Upper	
142	100		
127	46.6	35.5	53.3
141	14.5	11.3	16.9





#11

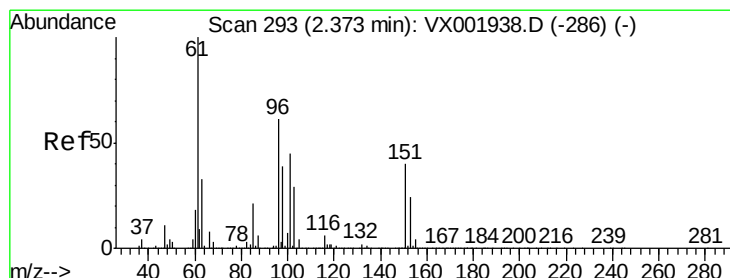
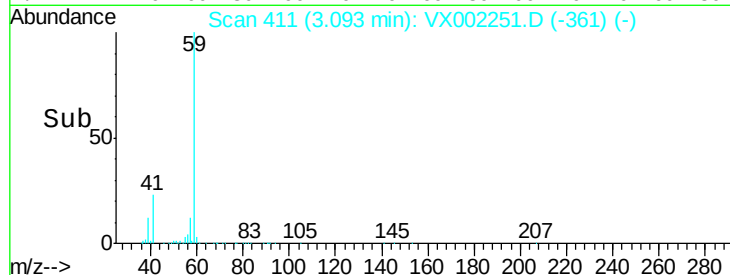
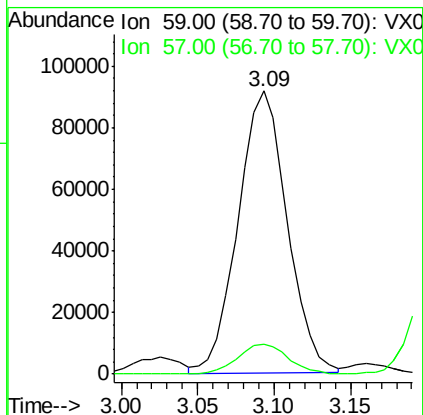
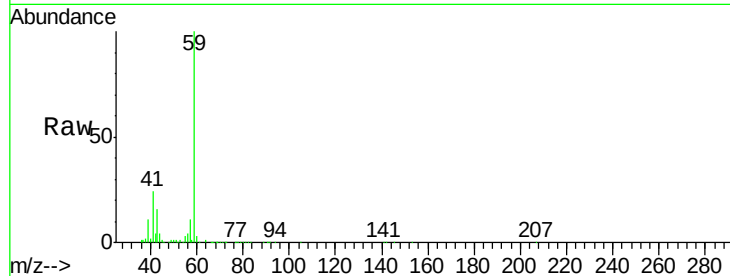
Tert butyl alcohol
Concen: 340.392 ug/l
RT: 3.09 min Scan# 411
Delta R.T. 0.01 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.9	13.3

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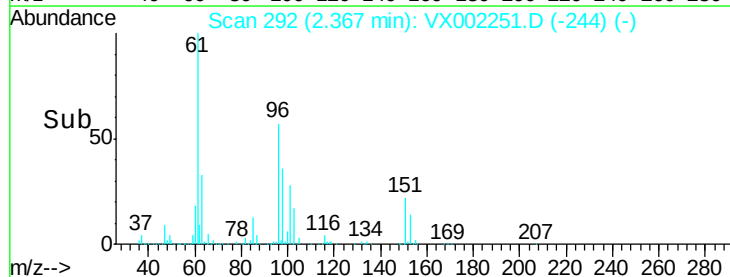
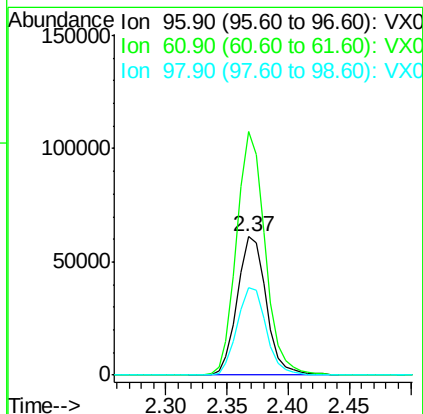
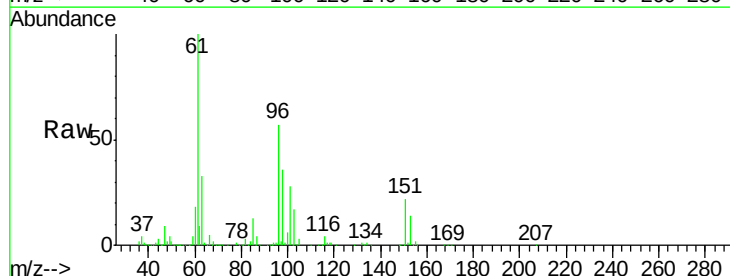
MMDadoda
6/4/2018 2:31:54 PM

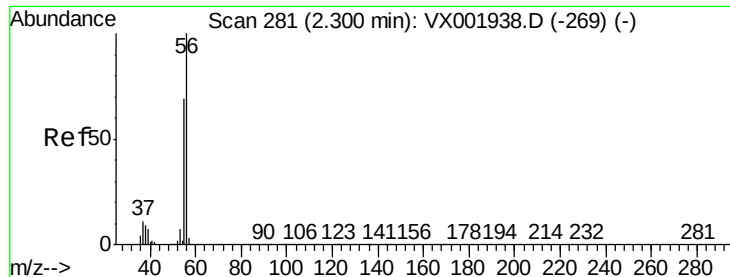


#12

1,1-Dichloroethene
Concen: 50.619 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.2	131.7	197.5
98	63.0	51.6	77.4





#13

Acrolein

Concen: 238.523 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 61913

Ion Ratio Lower Upper

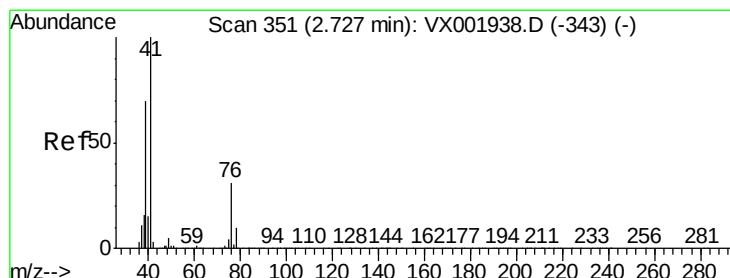
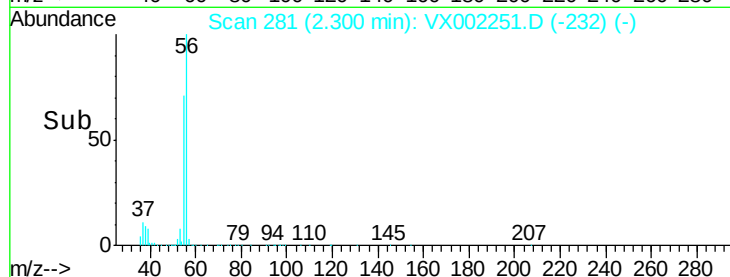
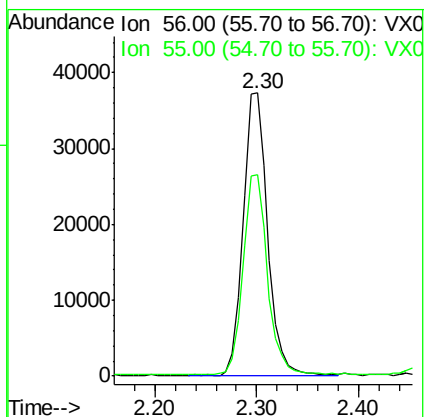
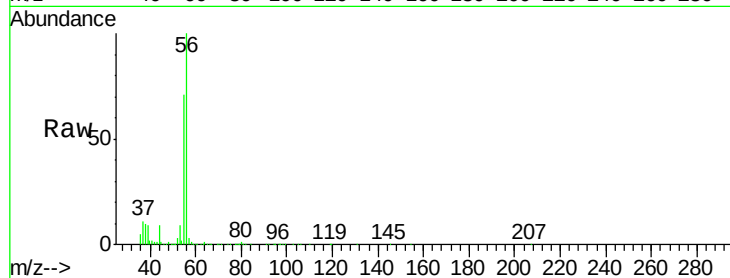
56 100

55 70.6 56.8 85.2

Manual Integrations
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#14

Allyl chloride

Concen: 58.603 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

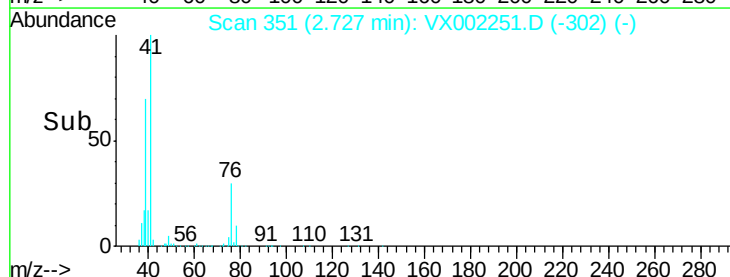
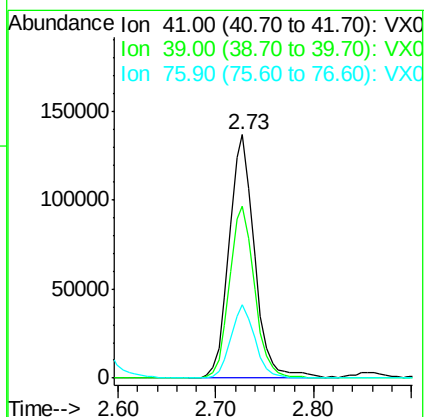
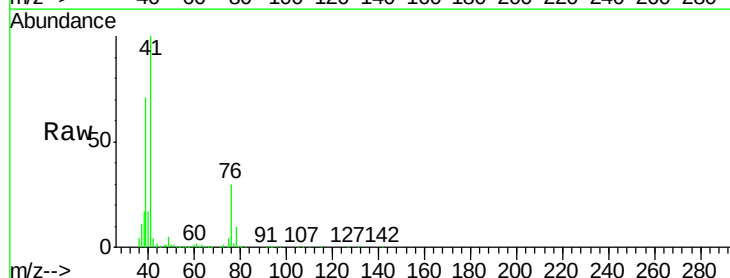
Tgt Ion: 41 Resp: 245327

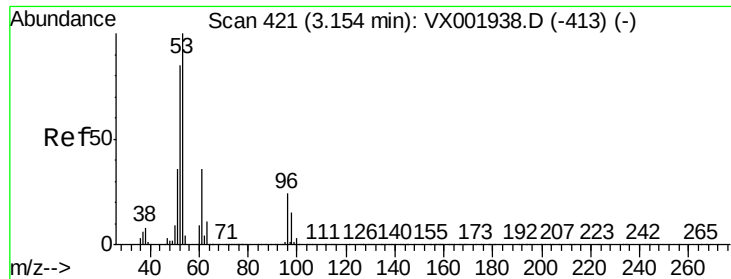
Ion Ratio Lower Upper

41 100

39 69.4 54.3 81.5

76 28.7 24.2 36.4





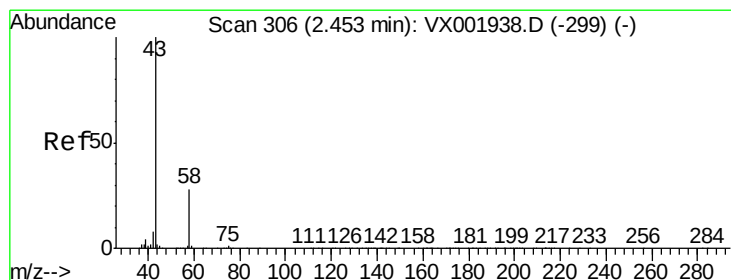
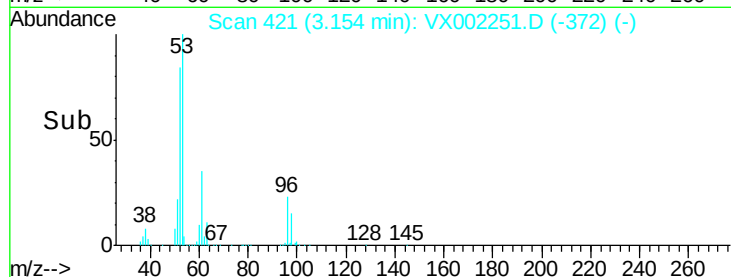
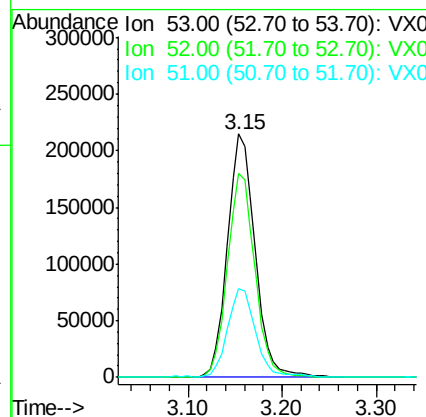
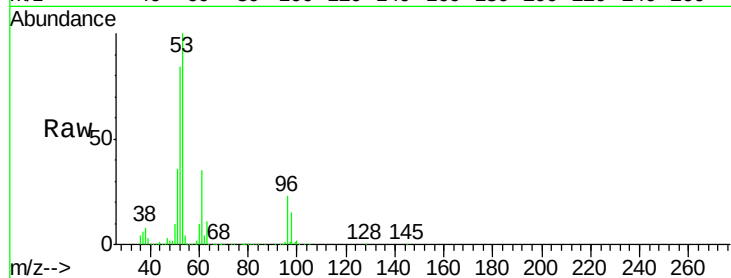
#15
 Acrylonitrile
 Concen: 351.450 ug/l
 RT: 3.15 min Scan# 421
 Delta R.T. 0.00 min
 Lab File: VX002251.D
 Acq: 02 Jun 2018 20:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	433878
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.4	99.6
51	37.1	29.3	43.9

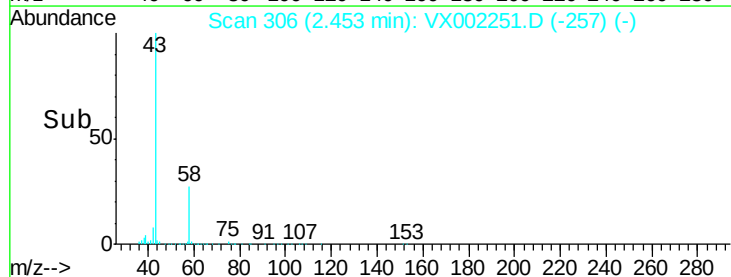
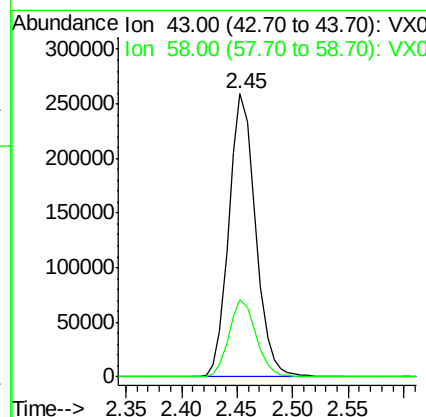
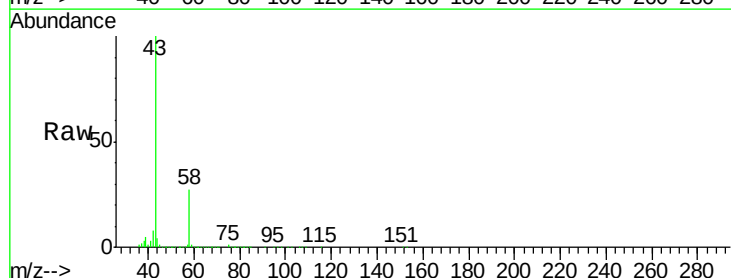
Manual Integrations
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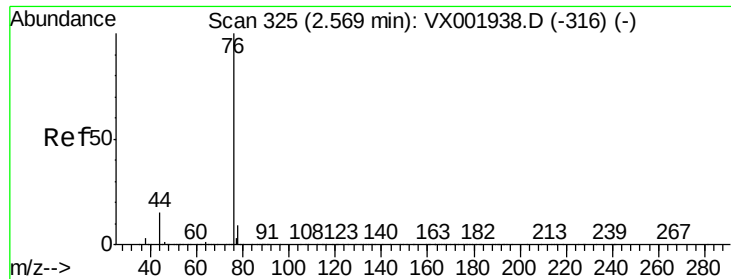
MMDadoda
 6/4/2018 2:31:54 PM



#16
 Acetone
 Concen: 364.361 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. 0.00 min
 Lab File: VX002251.D
 Acq: 02 Jun 2018 20:31

Tgt Ion:	43	Resp:	430069
Ion Ratio	Lower	Upper	
43	100		
58	27.4	22.3	33.5





#17

Carbon Disulfide

Concen: 38.360 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 220176

Ion Ratio Lower Upper

76 100

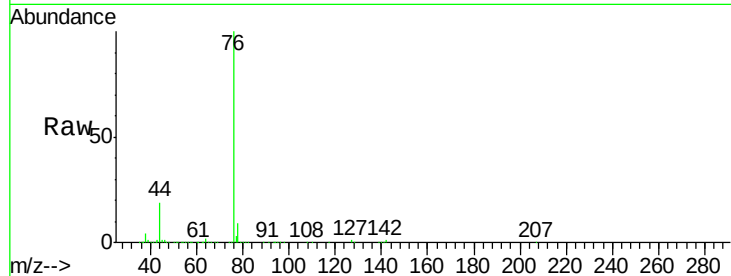
78 9.0 7.4 11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

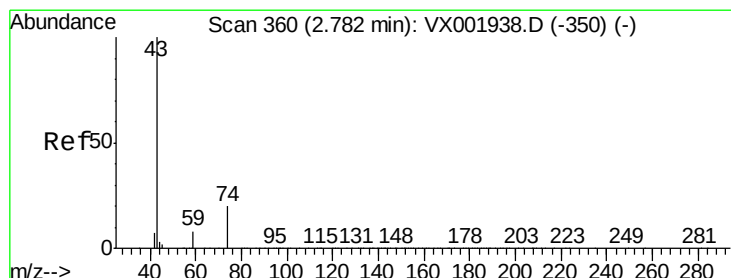
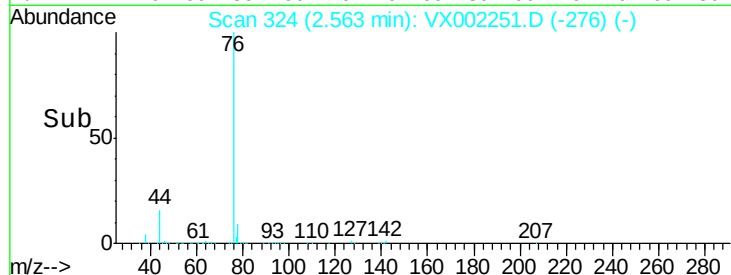
2.56

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 79.741 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002251.D

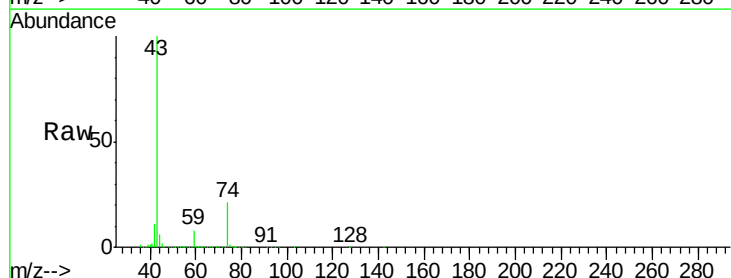
Acq: 02 Jun 2018 20:31

Tgt Ion: 43 Resp: 224815

Ion Ratio Lower Upper

43 100

74 21.2 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

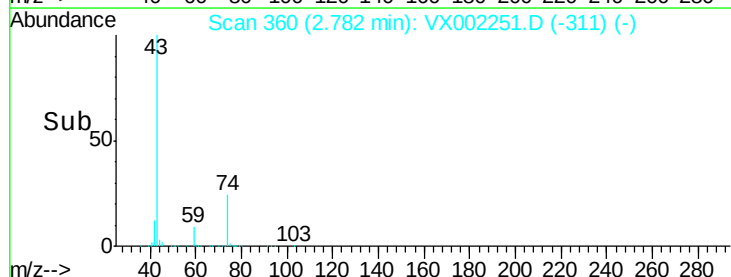
150000

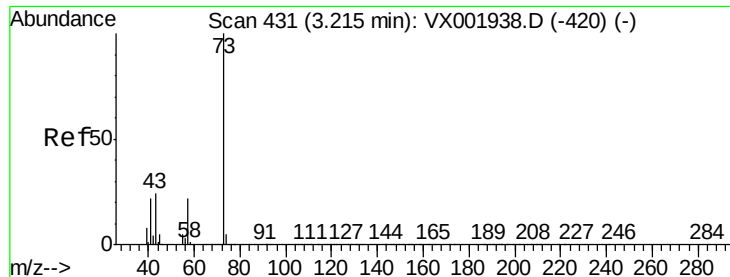
100000

50000

0

Time-->





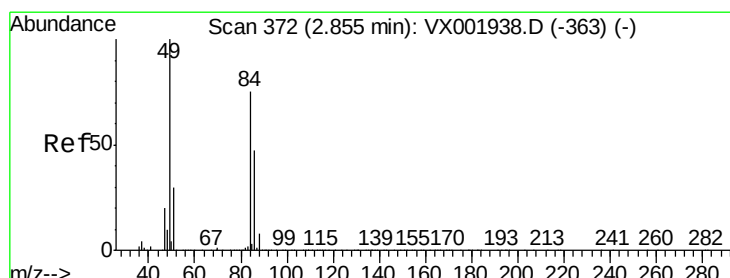
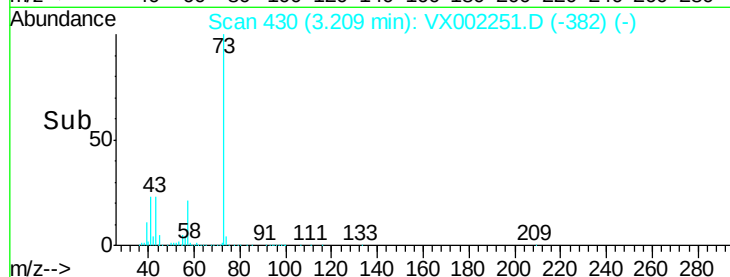
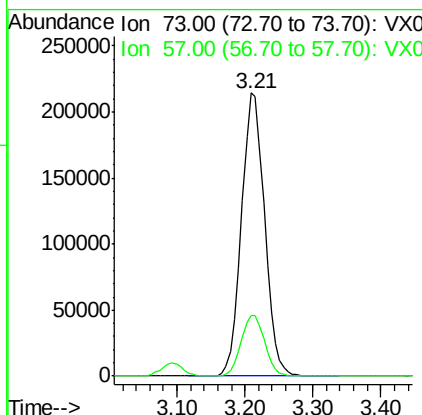
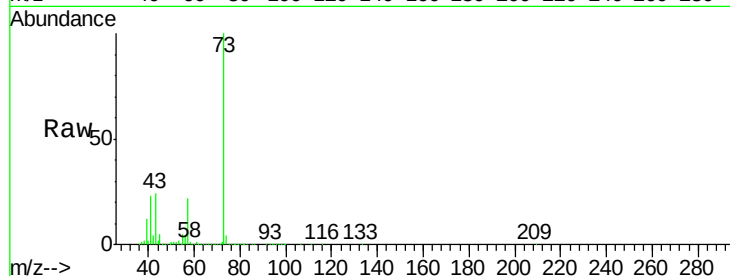
#19
Methyl tert-butyl Ether
Concen: 67.600 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.4	26.0

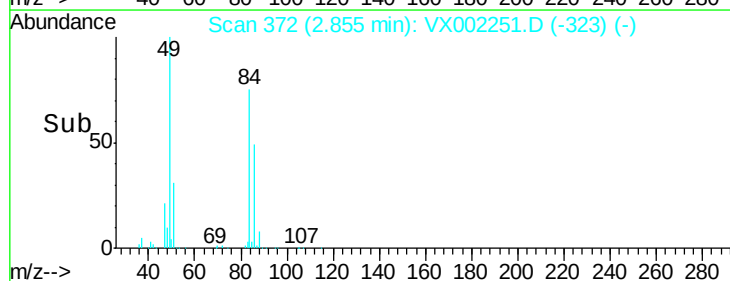
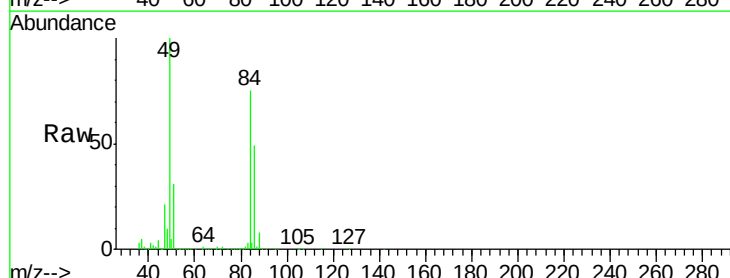
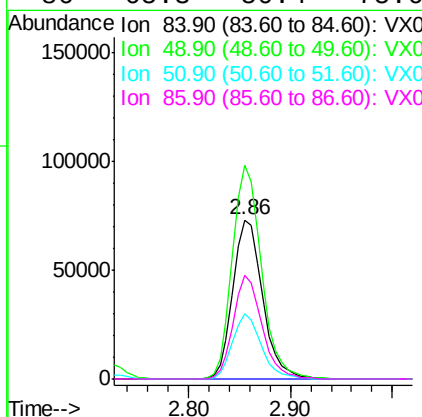
Manual Integrations
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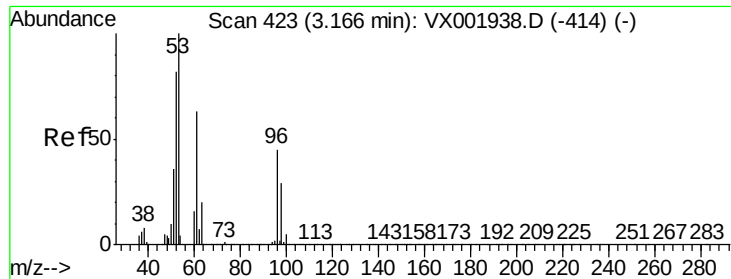
MMDadoda
6/4/2018 2:31:54 PM



#20
Methylene Chloride
Concen: 72.960 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.1	107.2	160.8
51	41.2	32.4	48.6
86	65.3	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 62.353 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Instrument :

MSVOA_X

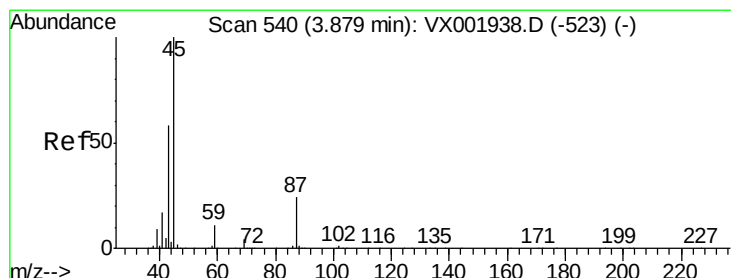
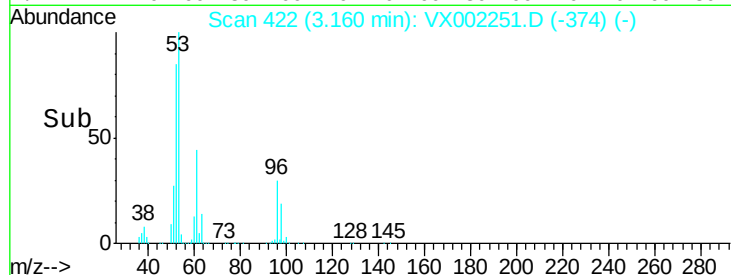
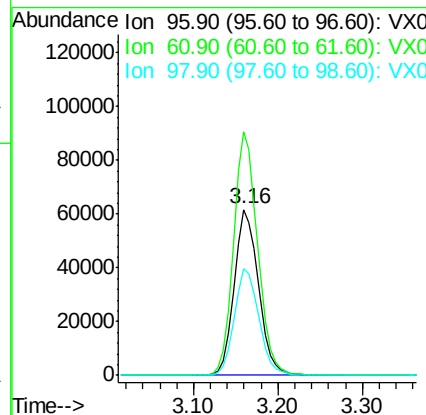
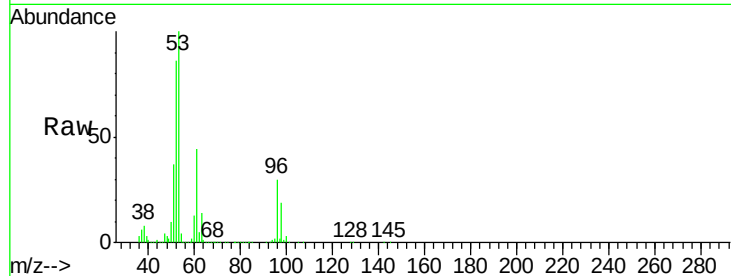
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	120305
Ion	Ratio	Lower	Upper
96	100		
61	146.4	113.3	169.9
98	64.2	51.7	77.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 56.213 ug/l

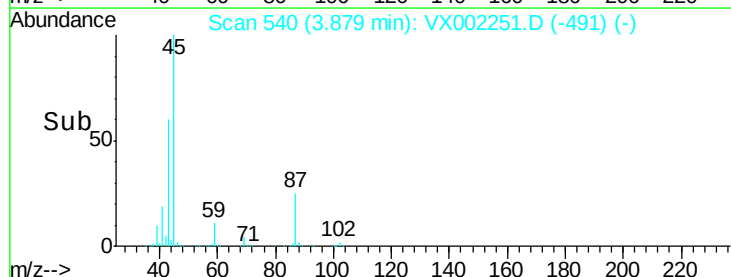
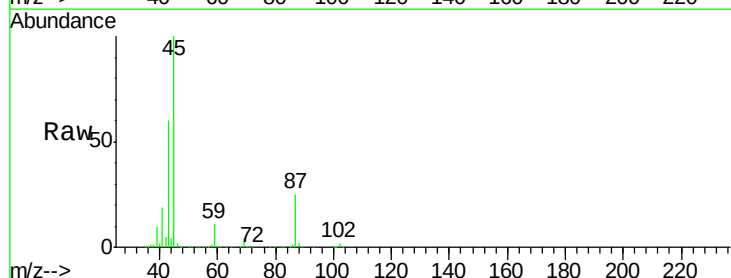
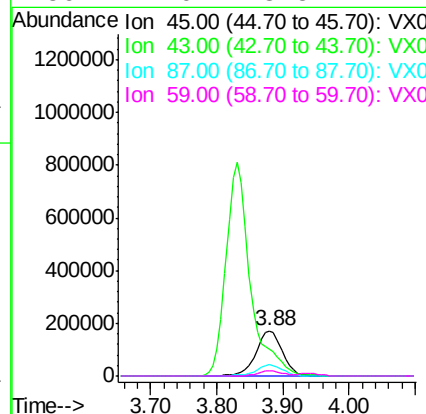
RT: 3.88 min Scan# 540

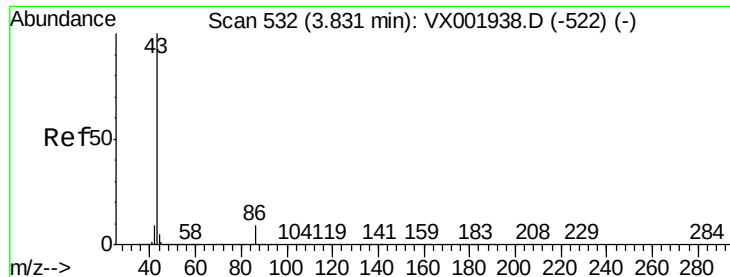
Delta R.T. 0.00 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Tgt Ion:	45	Resp:	478658
Ion	Ratio	Lower	Upper
45	100		
43	60.0	47.0	70.6
87	25.4	19.4	29.0
59	11.0	8.5	12.7





#23

Vinyl Acetate

Concen: 294.317 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2077868

Ion Ratio Lower Upper

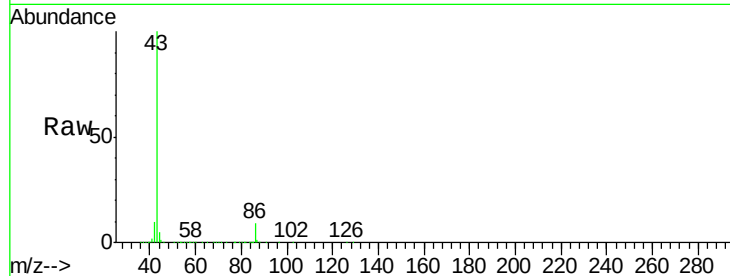
43 100

86 9.2 7.6 11.4

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

800000

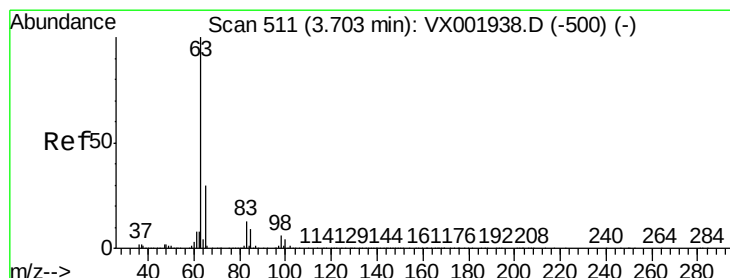
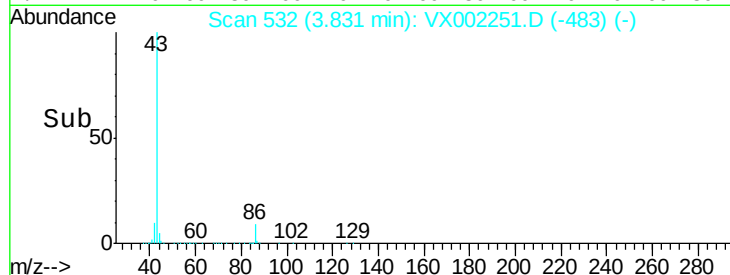
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 61.587 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

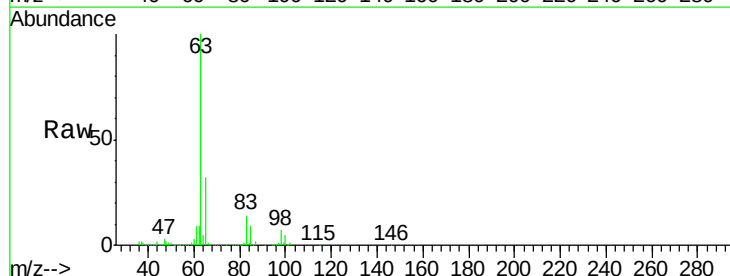
Tgt Ion: 63 Resp: 249112

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 4.5 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

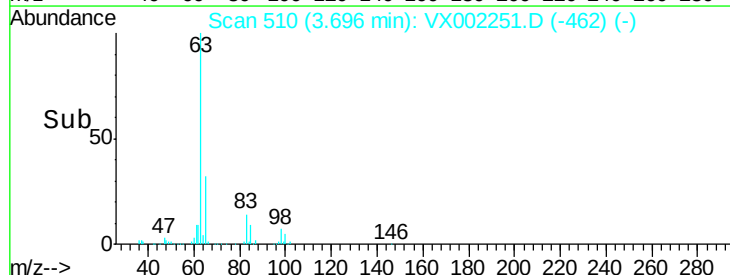
3.70

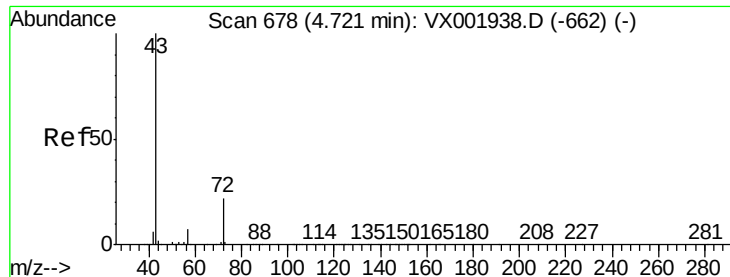
100000

50000

0

Time-->





#25

2-Butanone

Concen: 276.133 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Tot Ion: 43 Resp: 597370

Ion Ratio Lower Upper

43 100

72 23.4 17.9 26.9

Instrument :

MSVOA_X

ClientSampleId :

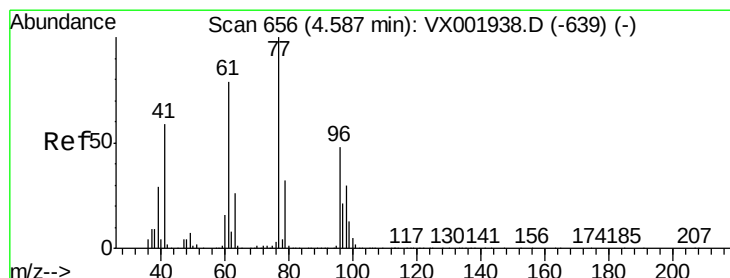
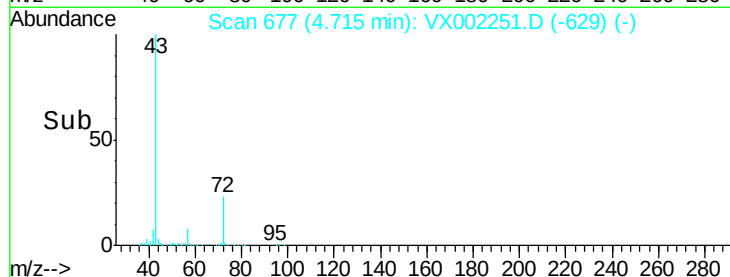
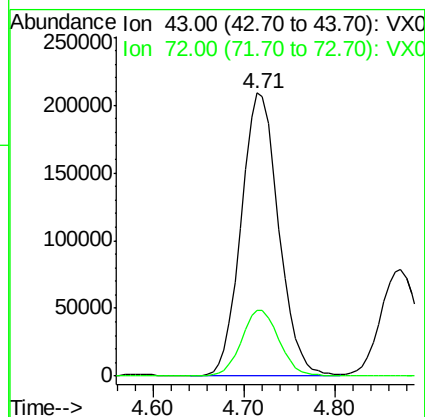
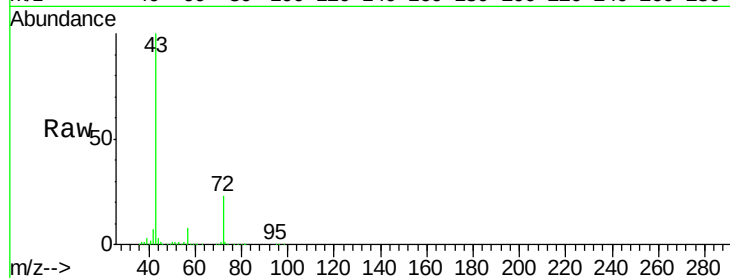
VSTDCCC050EC

Manual Integrations

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6/4/2018 2:31:54 PM



#26

2,2-Dichloropropane

Concen: 34.978 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX002251.D

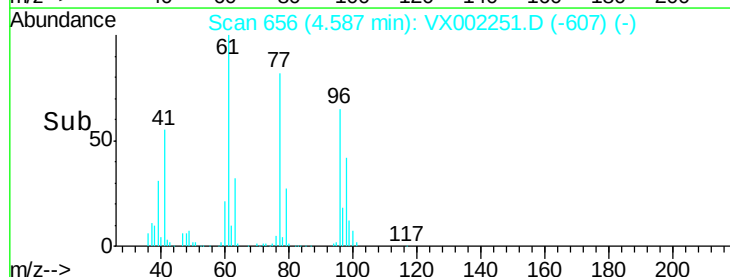
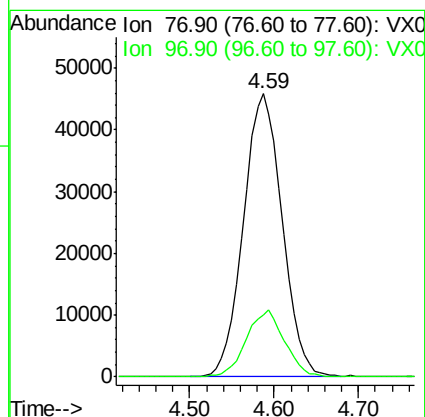
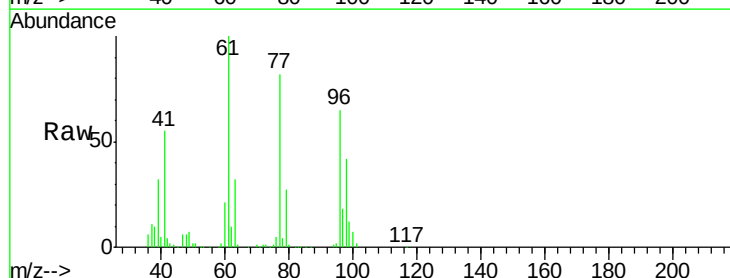
Acq: 02 Jun 2018 20:31

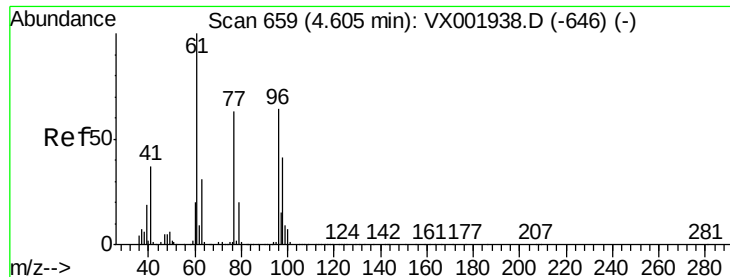
Tgt Ion: 77 Resp: 143205

Ion Ratio Lower Upper

77 100

97 23.2 11.2 33.5





#27

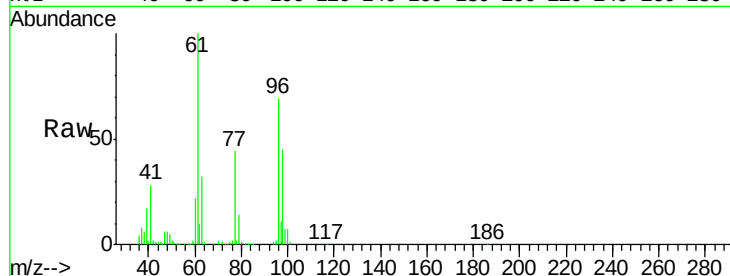
cis-1,2-Dichloroethene
Concen: 53.095 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

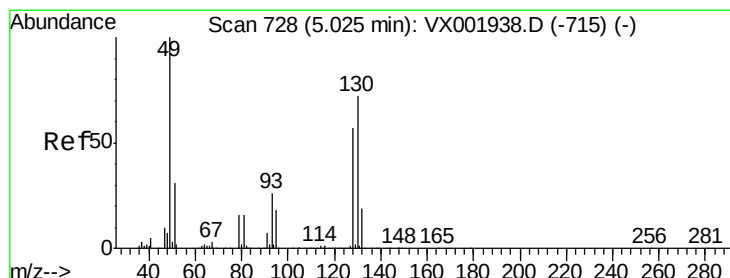
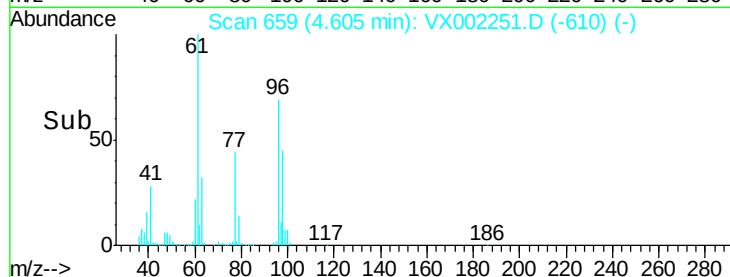
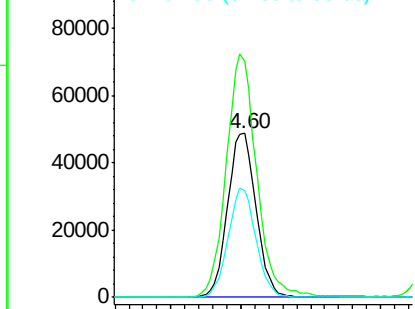
Tot Ion	Ratio	Lower	Upper
96	100		
61	158.8	0.0	348.4
98	65.1	0.0	128.6

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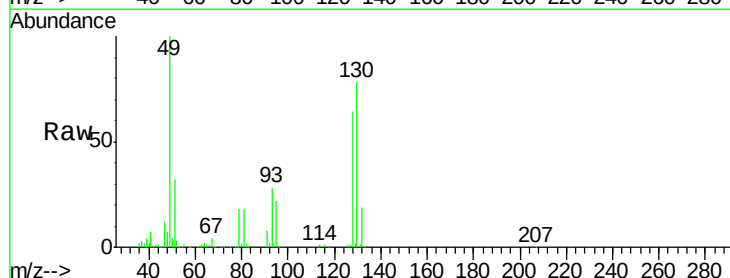
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



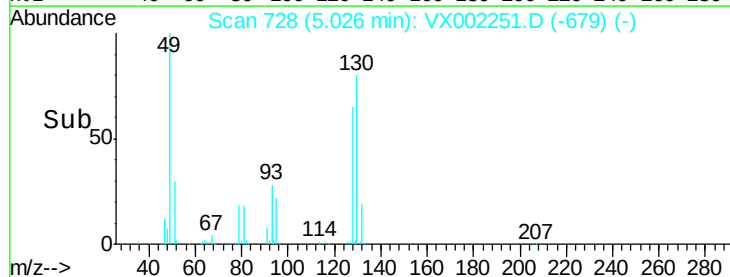
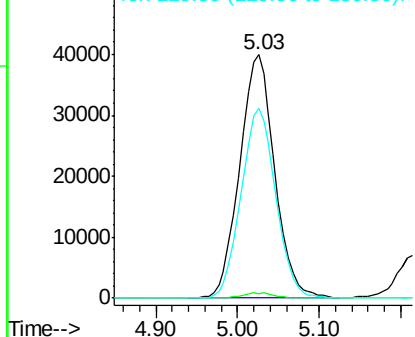
#28

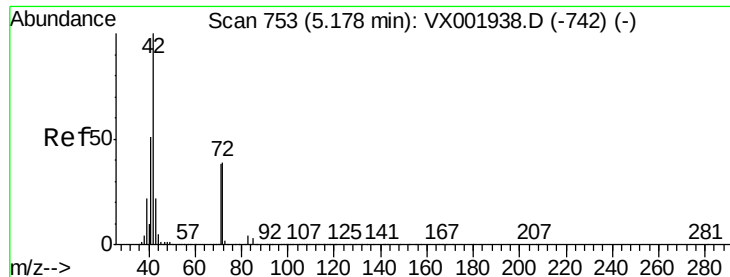
Bromochloromethane
Concen: 70.731 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	77.4	59.4	89.2



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 271.623 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.01 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Instrument :

MSVOA_X

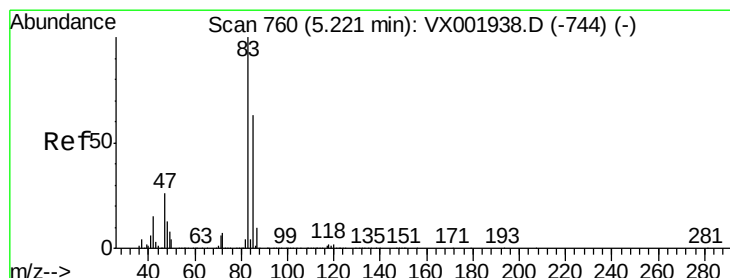
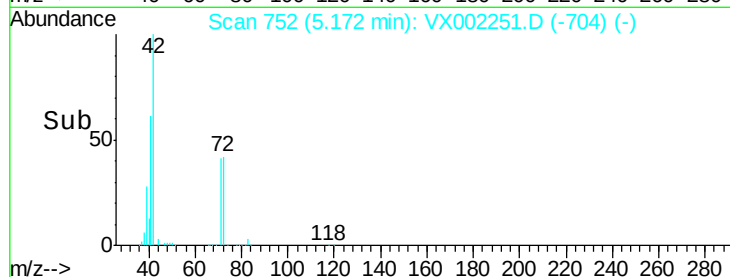
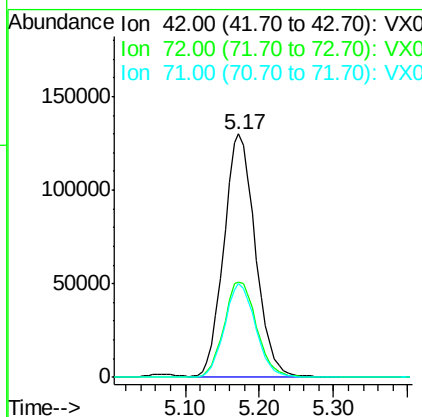
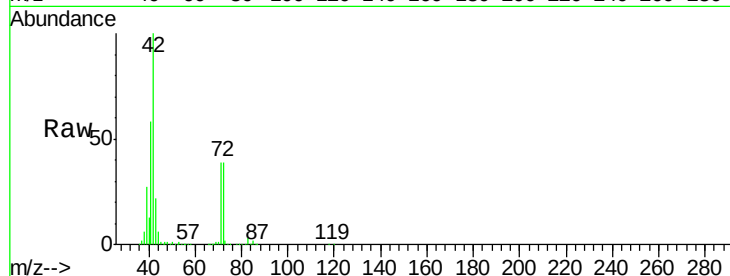
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	31.4	47.0
71	38.0	29.5	44.3

Manual Integrations
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#30

Chloroform

Concen: 55.087 ug/l

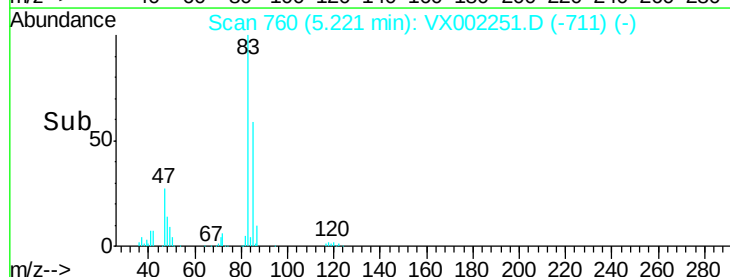
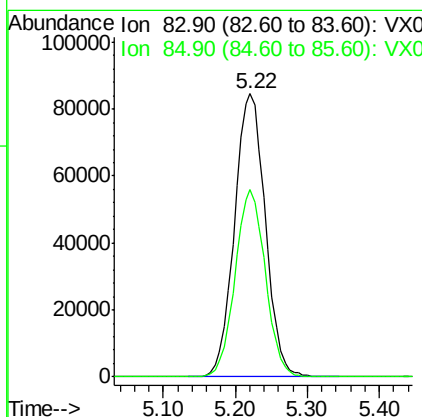
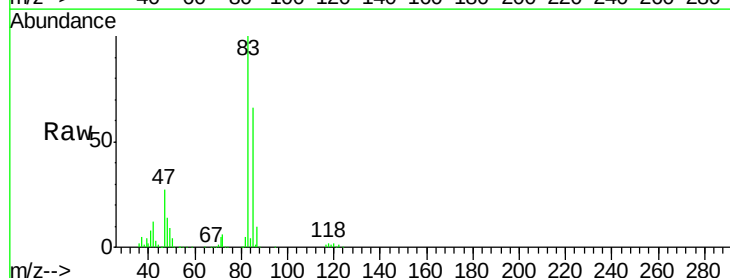
RT: 5.22 min Scan# 760

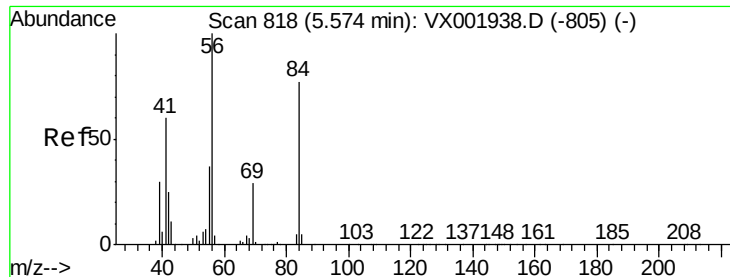
Delta R.T. 0.00 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	50.9	76.3





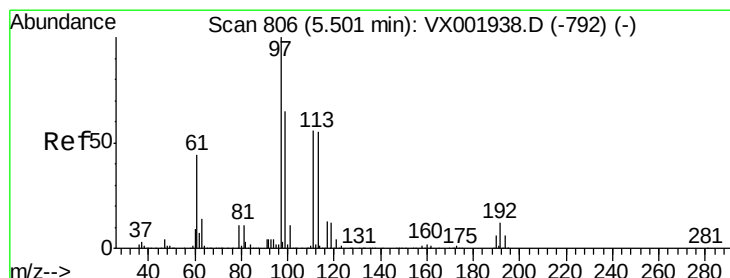
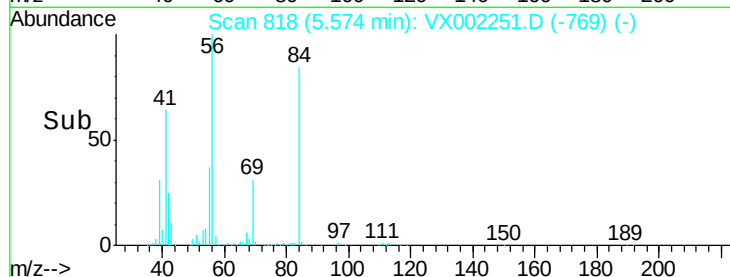
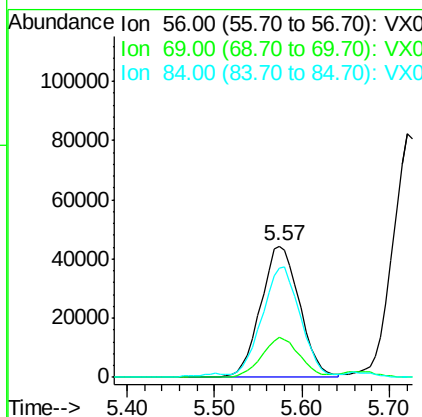
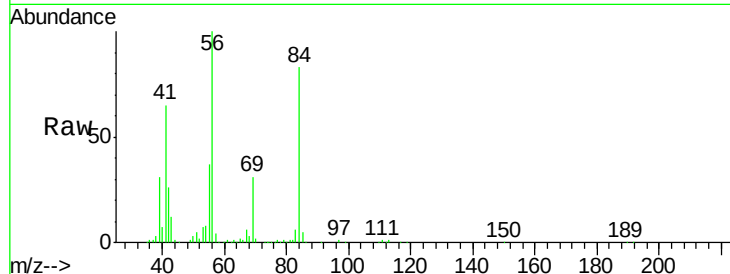
#31
Cyclohexane
Concen: 32.742 ug/l
RT: 5.57 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	23.1	34.7
84	82.5	62.0	93.0

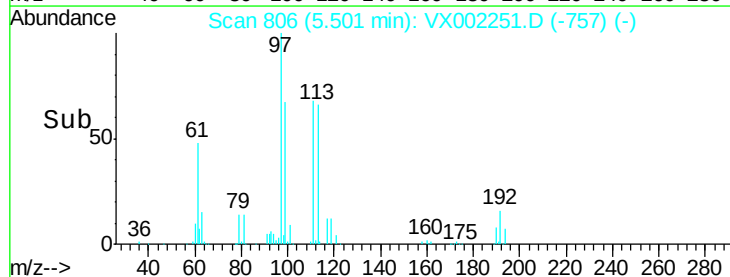
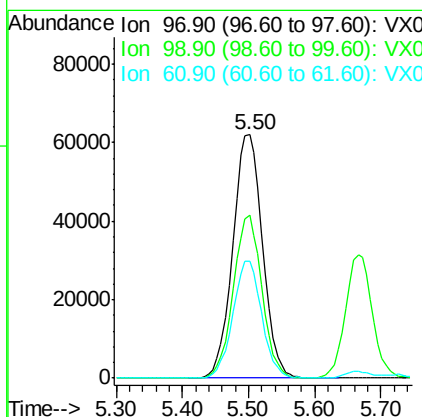
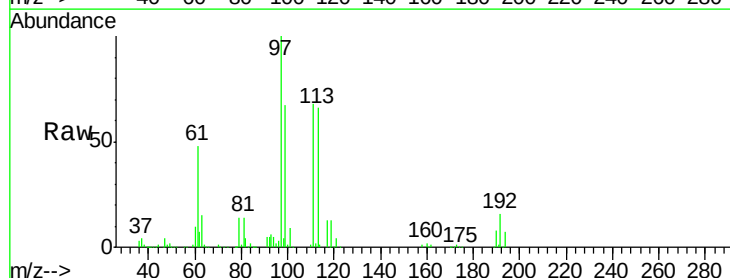
Manual Integrations
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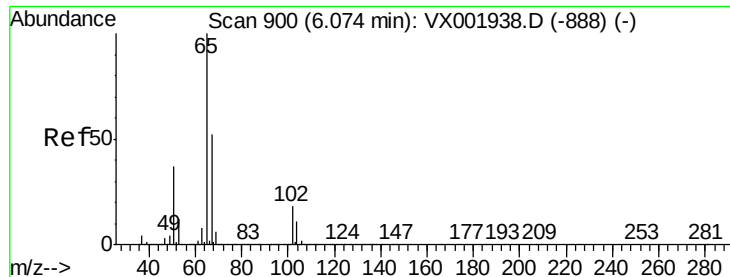
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 45.508 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.9	77.9
61	46.6	35.9	53.9





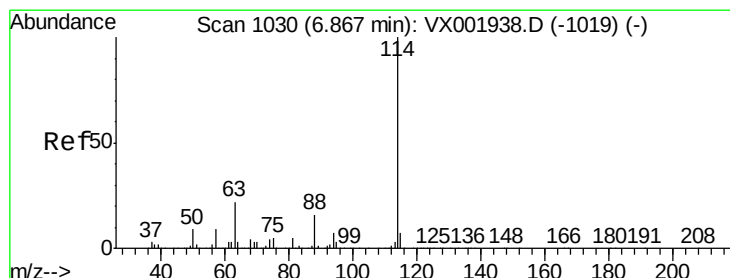
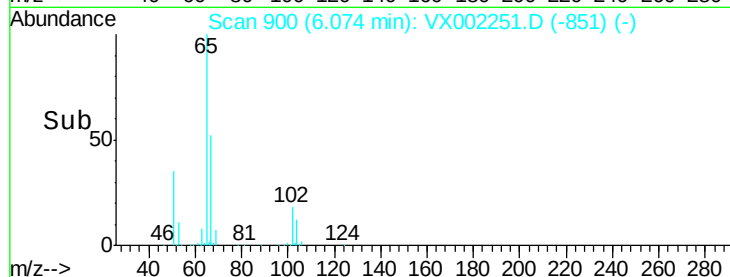
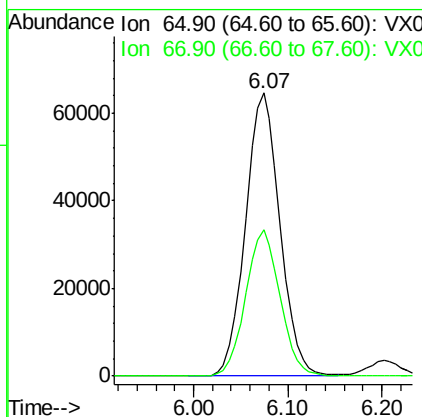
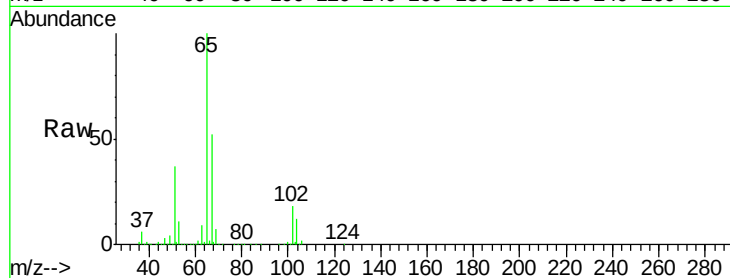
#33
 1,2-Dichloroethane-d4
 Concen: 54.182 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002251.D
 Acq: 02 Jun 2018 20:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	165710		
67	51.7	0.0	104.0	

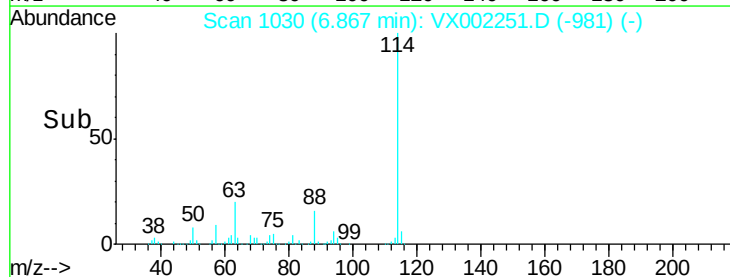
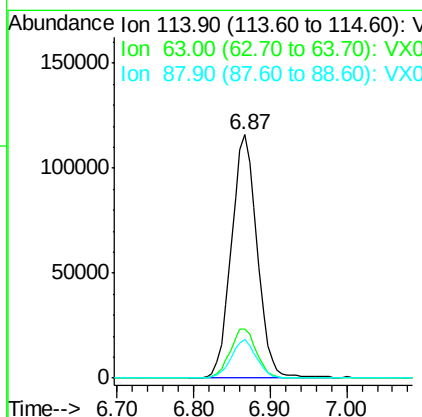
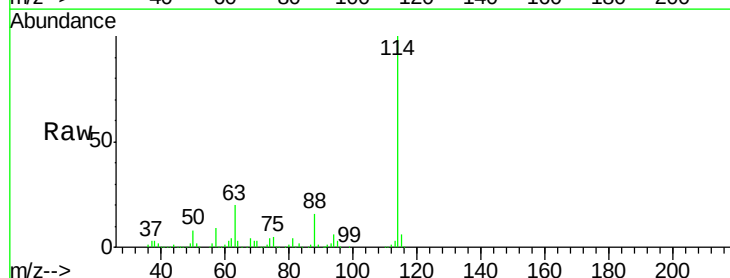
Manual Integrations
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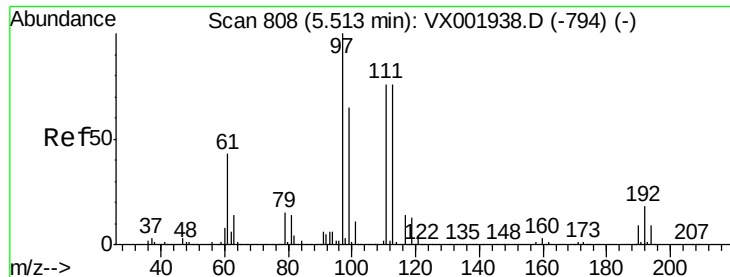
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002251.D
 Acq: 02 Jun 2018 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	270304		
63	20.2	0.0	43.2	
88	15.7	0.0	31.6	





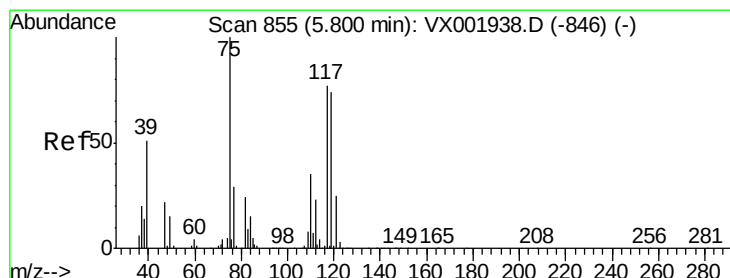
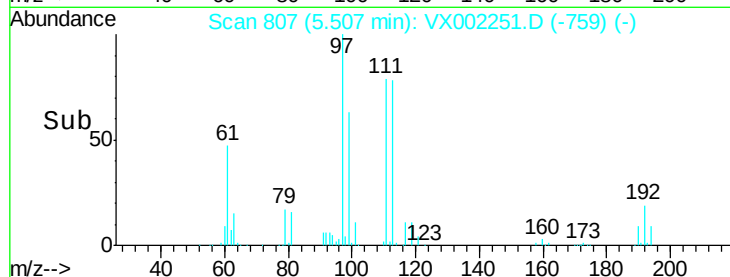
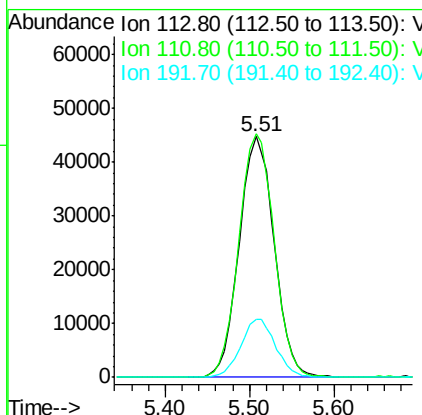
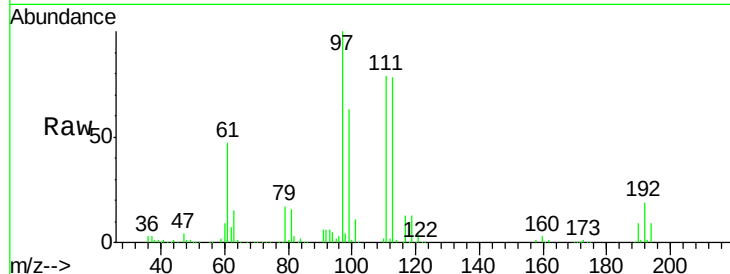
#35
 Dibromofluoromethane
 Concen: 46.571 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX002251.D
 Acq: 02 Jun 2018 20:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	125885		
111	102.0	82.0	123.0	
192	23.9	18.9	28.3	

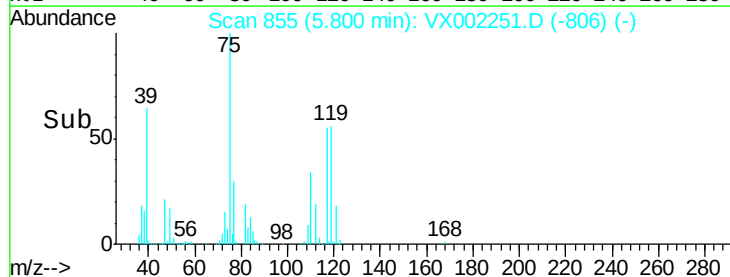
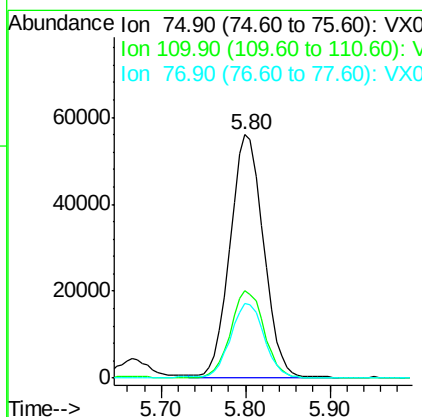
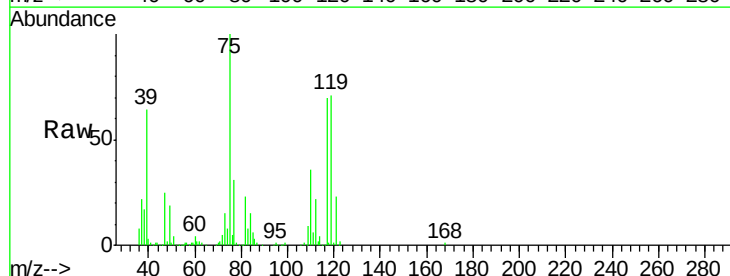
Manual Integrations
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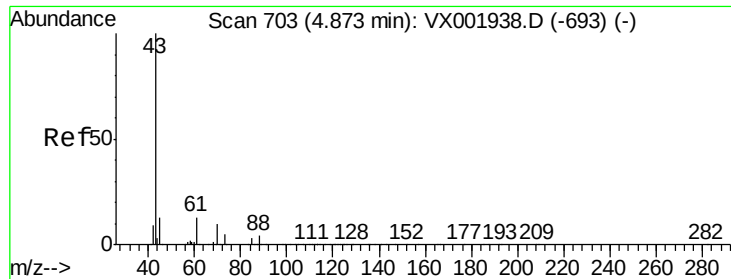
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#36
 1,1-Dichloropropene
 Concen: 39.914 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX002251.D
 Acq: 02 Jun 2018 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	150070		
110	36.3	17.4	52.2	
77	30.8	24.4	36.6	





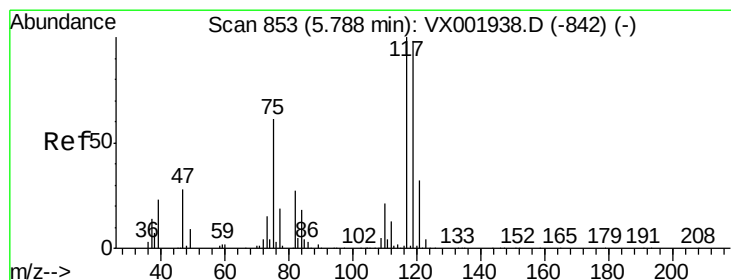
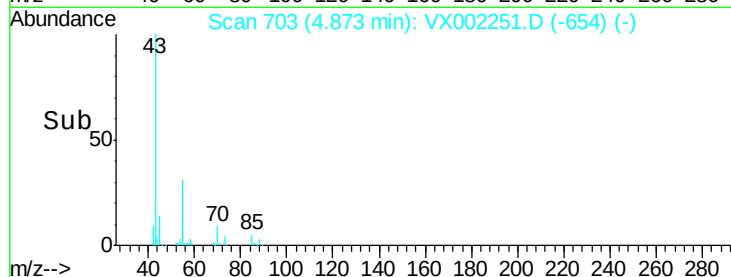
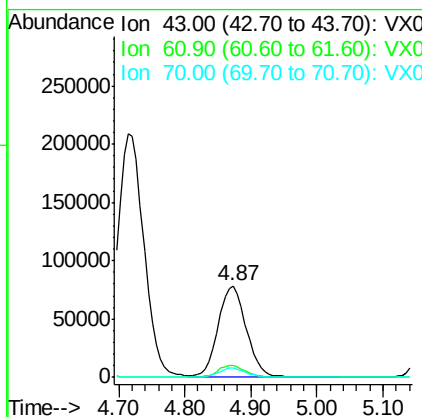
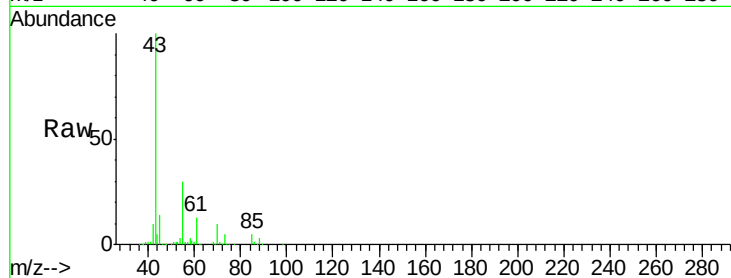
#37
Ethyl Acetate
Concen: 47.201 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	231368
Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.2	15.2
70	9.3	7.8	11.8

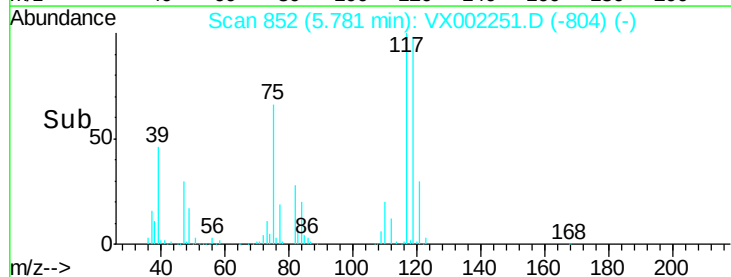
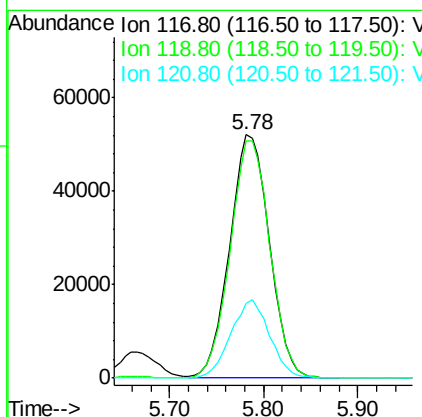
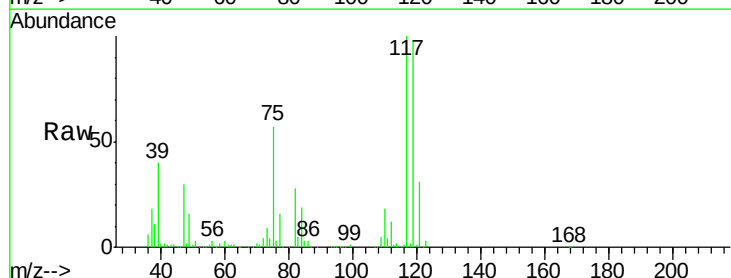
Manual Integrations
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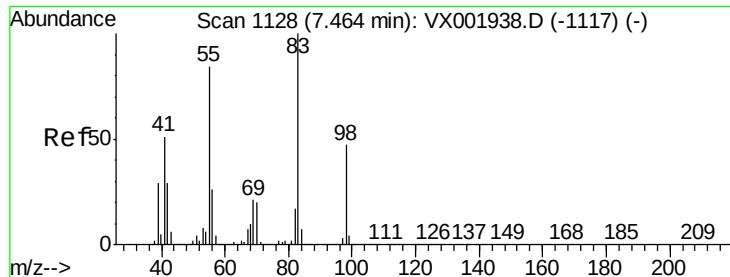
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#38
Carbon Tetrachloride
Concen: 34.779 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Tgt Ion:	117	Resp:	152484
Ion	Ratio	Lower	Upper
117	100		
119	97.6	78.5	117.7
121	30.6	25.5	38.3





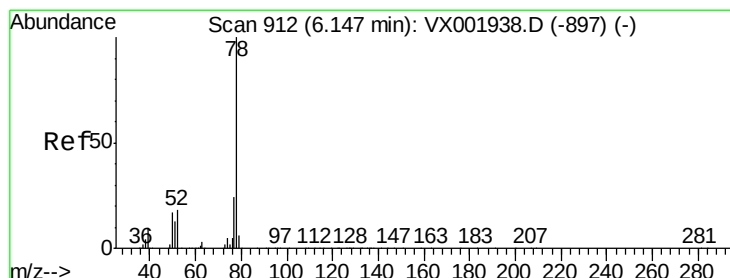
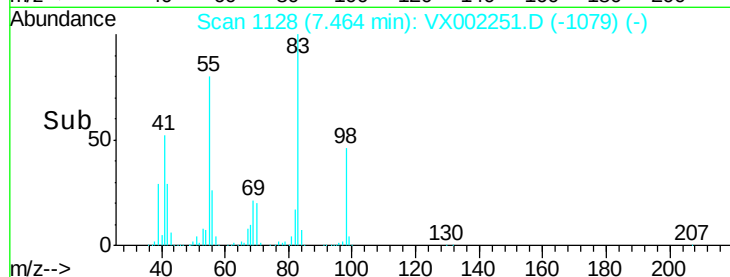
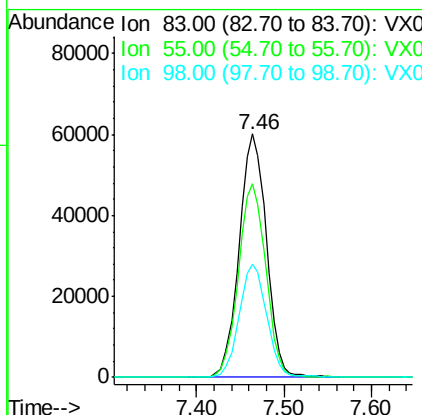
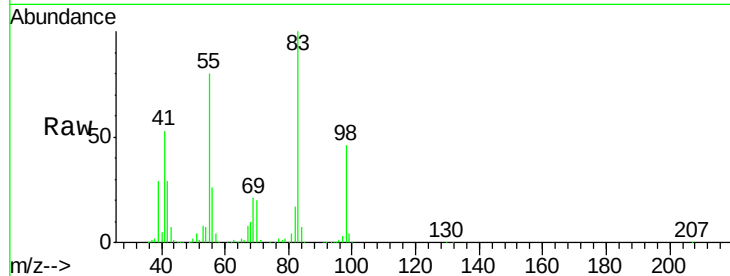
#39
Methylvlcyclohexane
Concen: 28.257 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.7	67.3	100.9
98	46.5	37.5	56.3

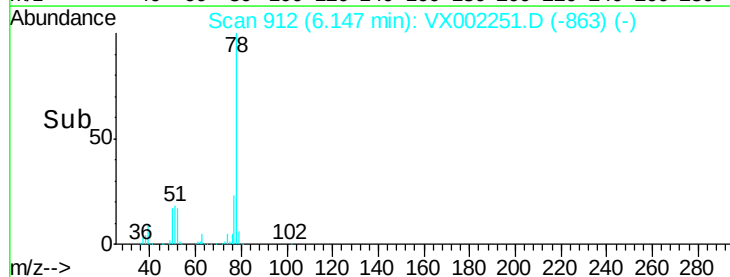
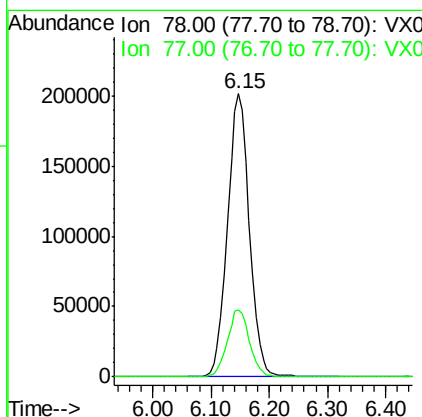
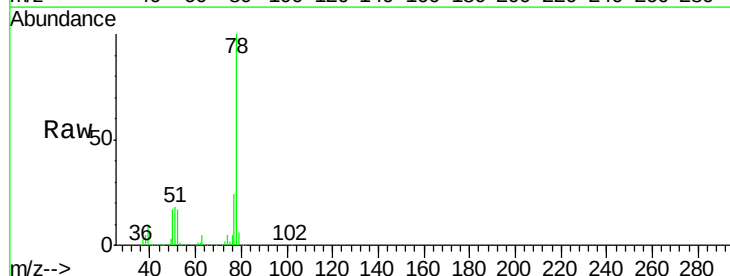
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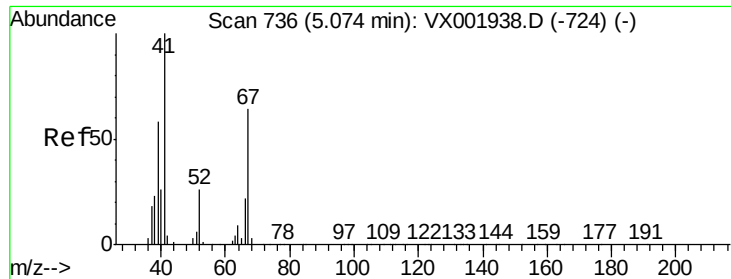
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#40
Benzene
Concen: 47.827 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7





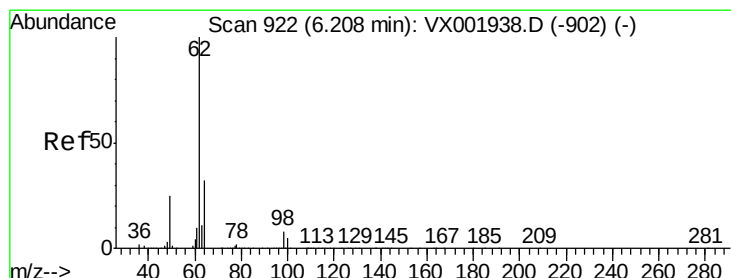
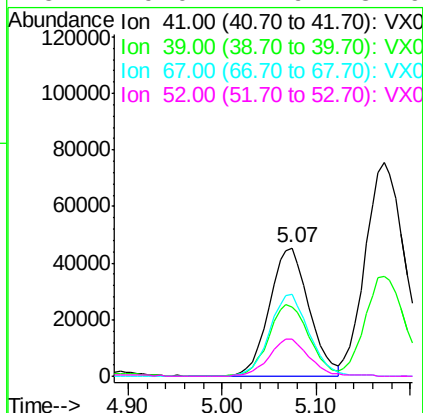
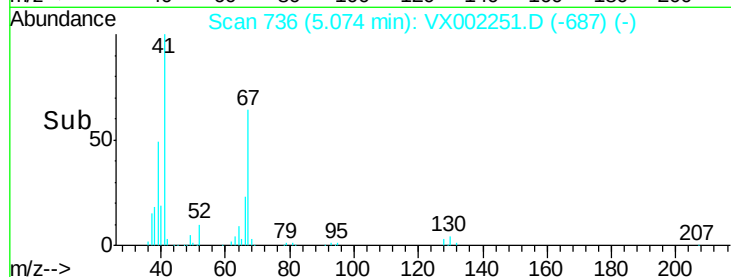
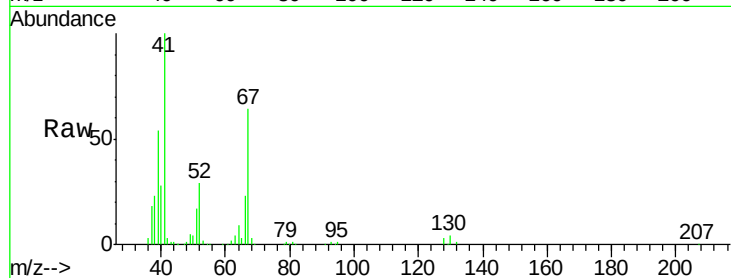
#41
Methacrylonitrile
Concen: 51.306 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		132618		
39	56.8	46.0	69.0		
67	64.0	50.6	75.8		
52	29.0	21.9	32.9		

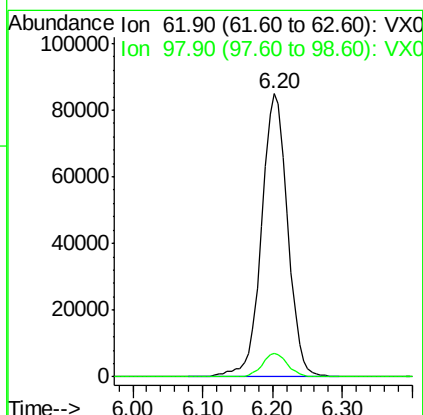
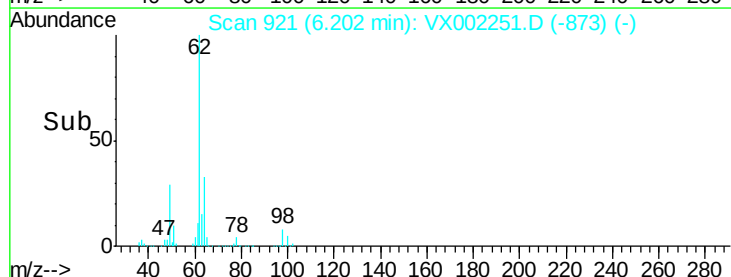
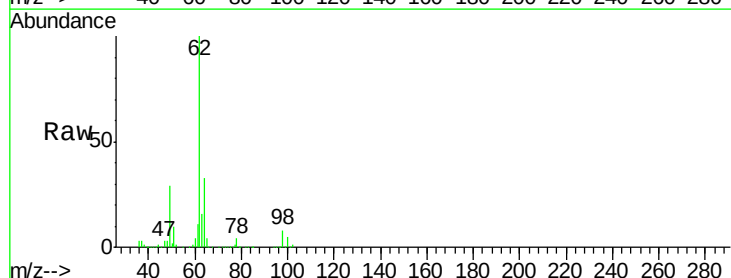
Manual Integrations
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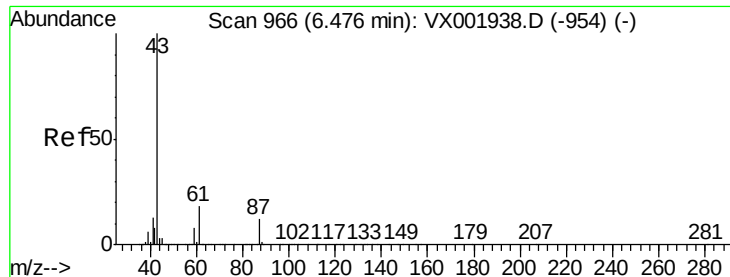
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6/4/2018 2:31:54 PM



#42
1,2-Dichloroethane
Concen: 50.072 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		220315		
98	8.1	0.0	17.0		





#43

Isopropyl Acetate

Concen: 46.961 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Instrument :

MSVOA_X

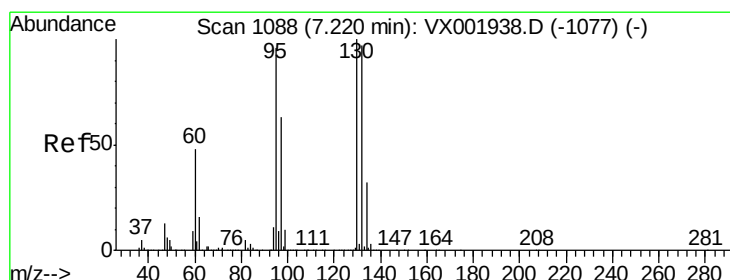
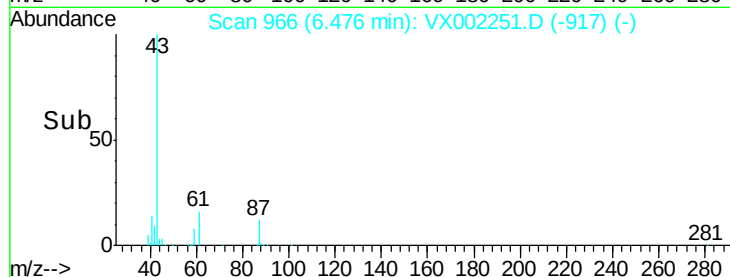
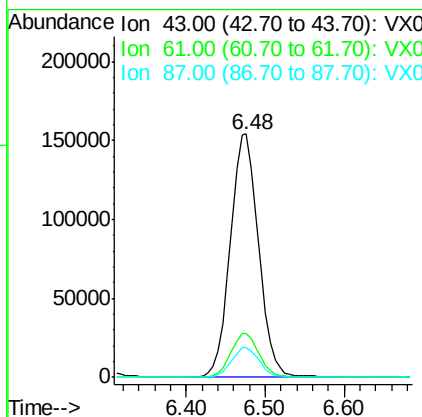
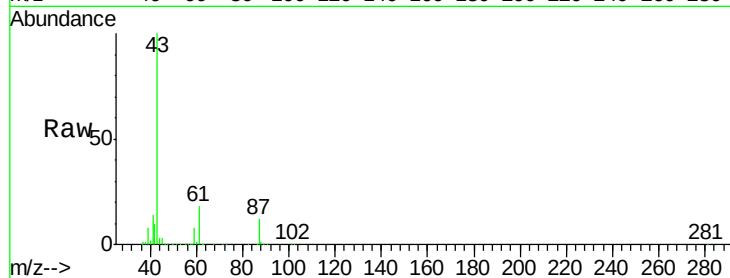
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	383546
Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.5	21.7
87	12.1	9.5	14.3

Manual Integrations
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#44

Trichloroethene

Concen: 44.917 ug/l

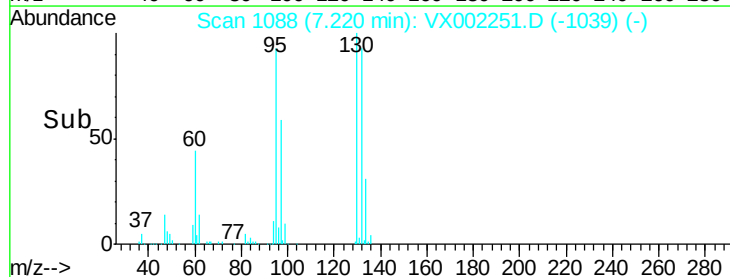
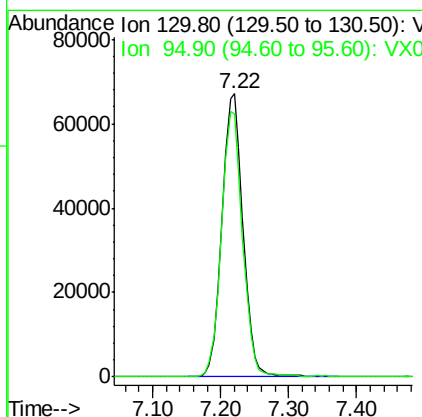
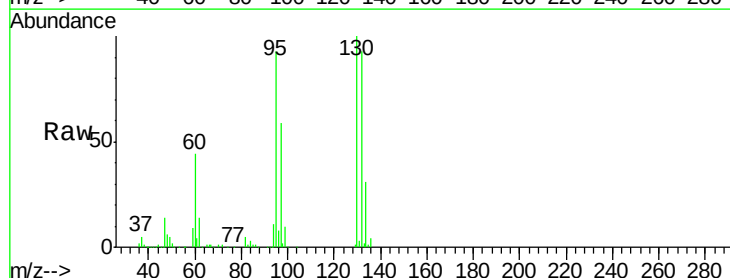
RT: 7.22 min Scan# 1088

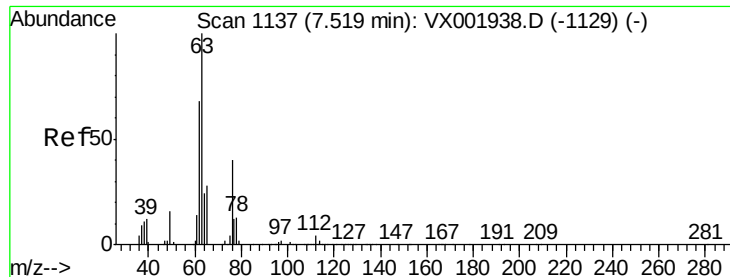
Delta R.T. 0.00 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Tgt Ion:	130	Resp:	144177
Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	192.0





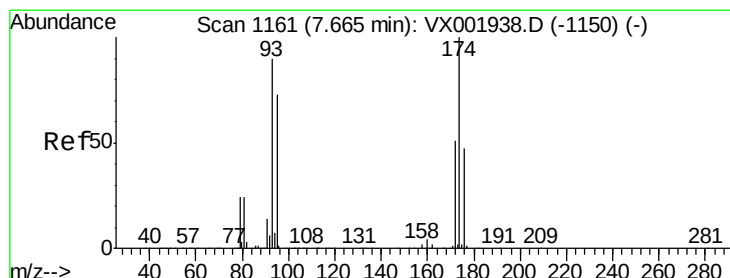
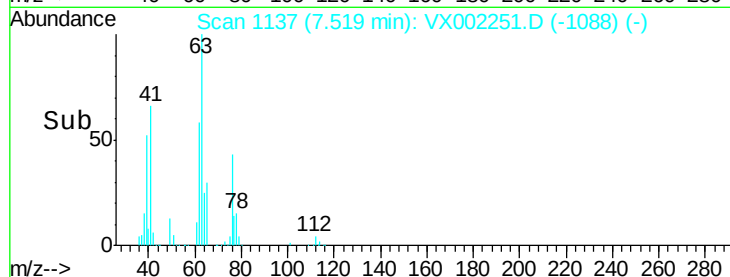
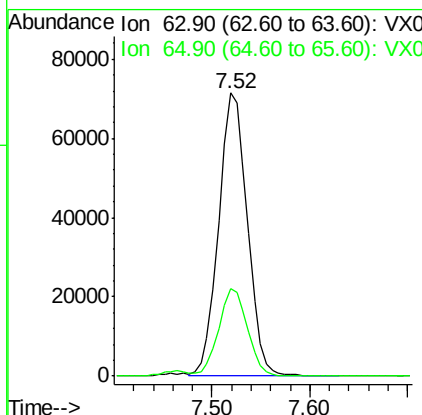
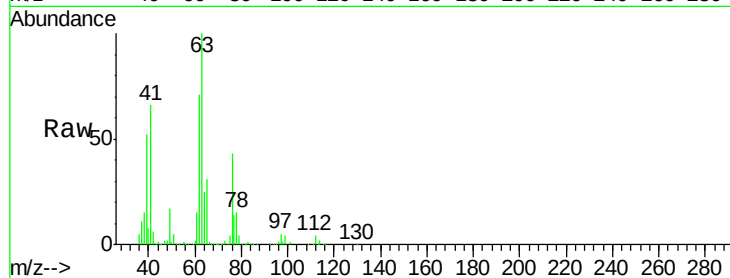
#45
 1,2-Dichloropropane
 Concen: 48.463 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX002251.D
 Acq: 02 Jun 2018 20:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.1	36.1

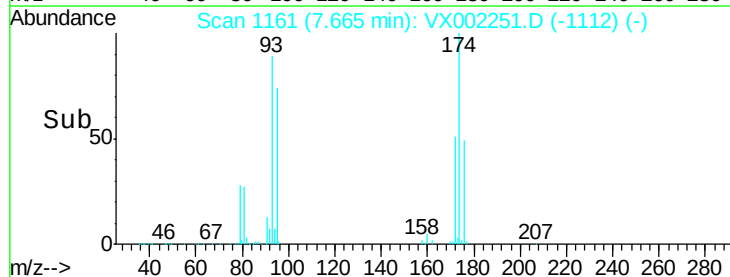
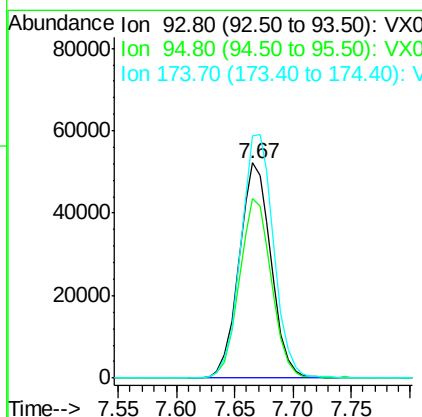
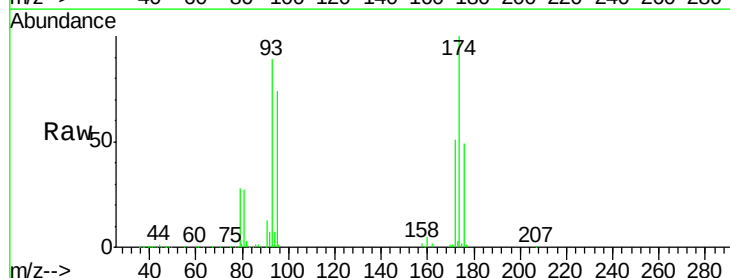
Manual Integrations
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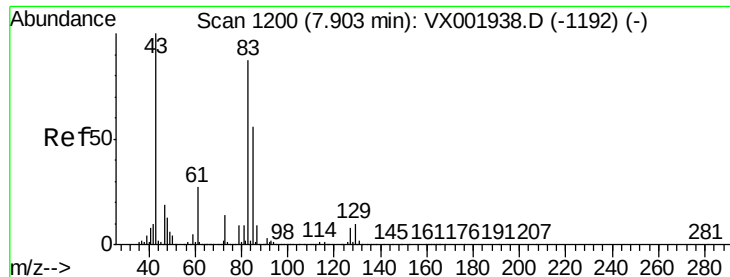
MMDadoda
 6/4/2018 2:31:54 PM



#46
 Dibromomethane
 Concen: 50.248 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX002251.D
 Acq: 02 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	66.1	99.1
174	116.5	92.5	138.7





#47

Bromodichloromethane

Concen: 43.568 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Instrument :

MSVOA_X

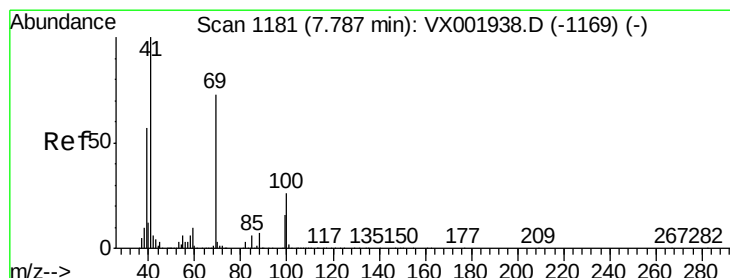
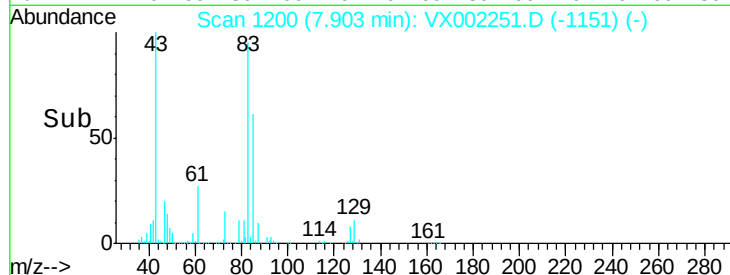
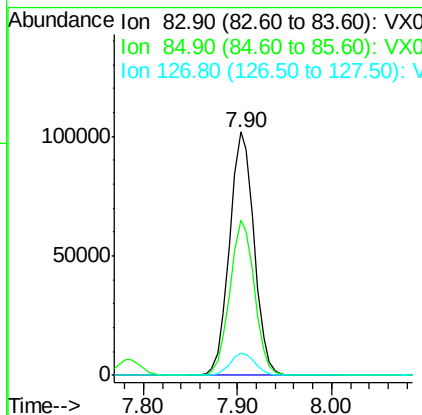
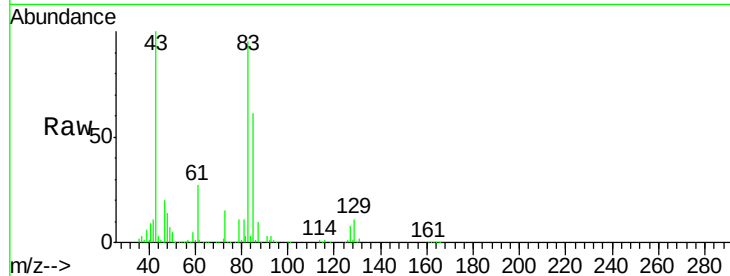
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	183985
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.4	77.2
127	8.9	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.151 ug/l

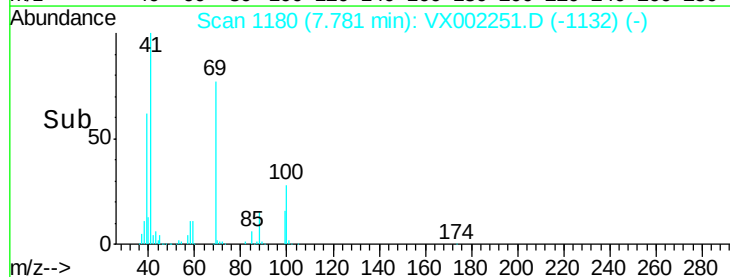
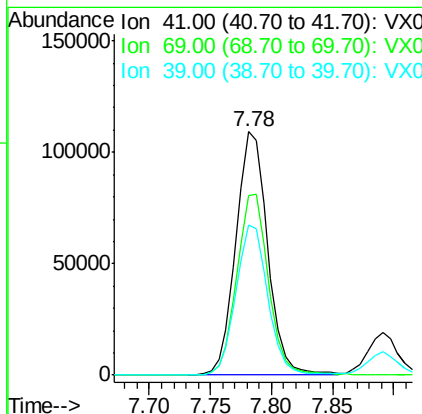
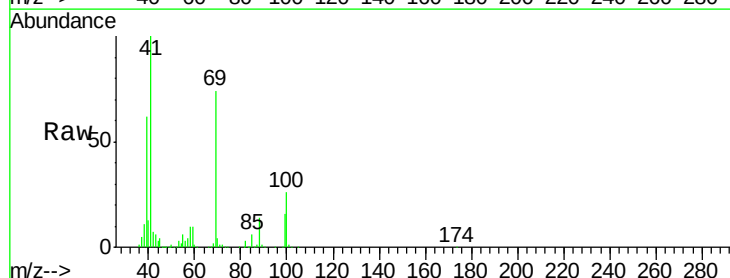
RT: 7.78 min Scan# 1180

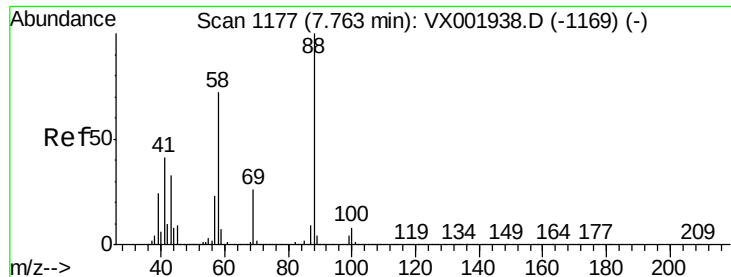
Delta R.T. -0.01 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Tgt Ion:	41	Resp:	195999
Ion Ratio	Lower	Upper	
41	100		
69	74.8	58.6	87.8
39	61.5	46.3	69.5





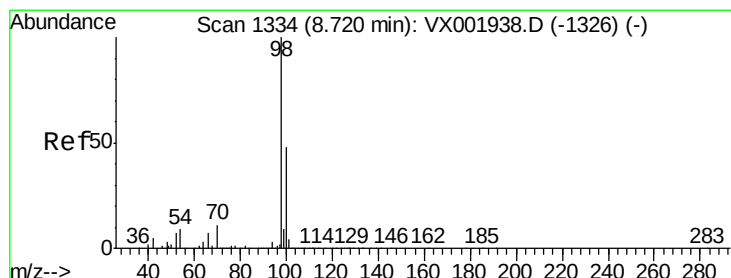
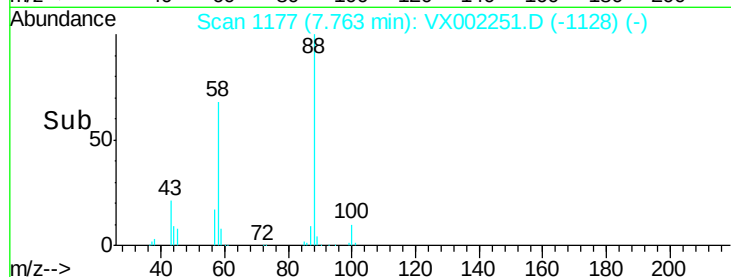
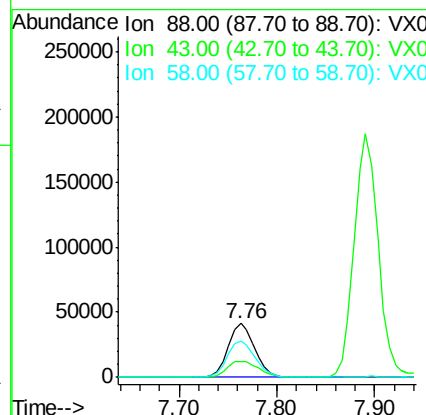
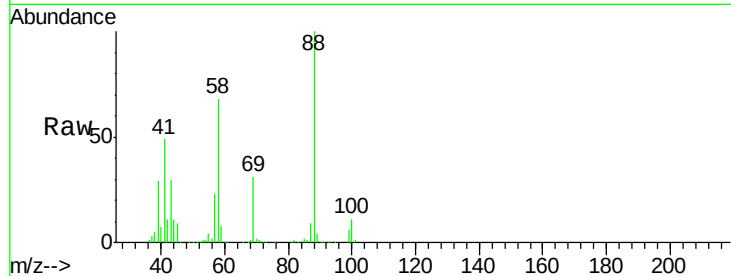
#49
1,4-Dioxane
Concen: 1065.693 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.7	29.8	44.8
58	71.0	58.7	88.1

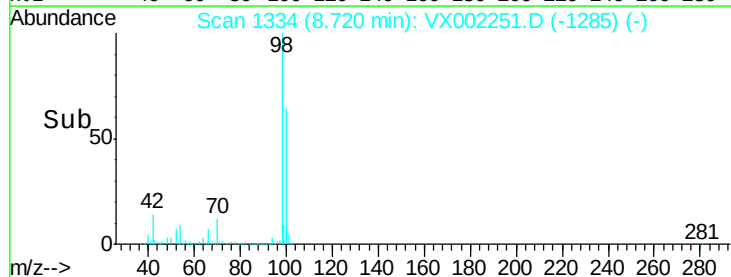
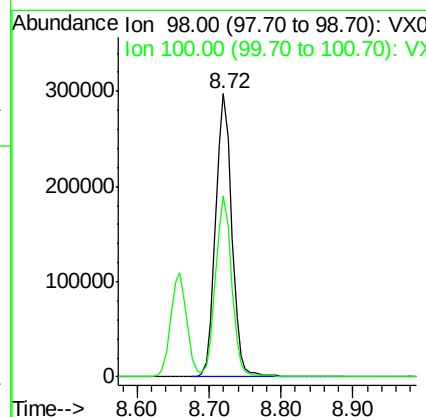
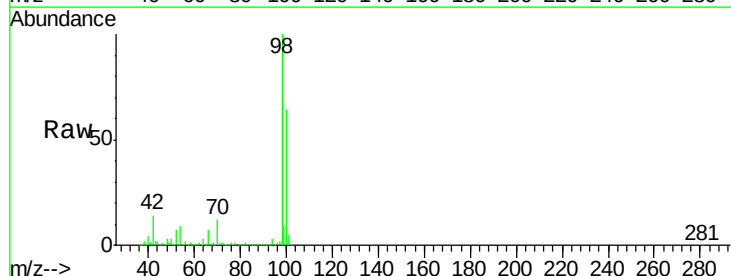
Manual Integrations
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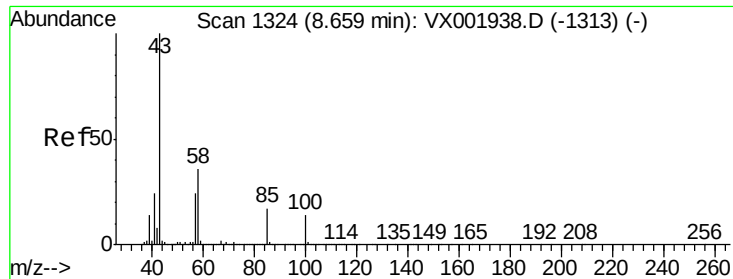
MMDadoda
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#50
Toluene-d8
Concen: 47.355 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.5	77.3





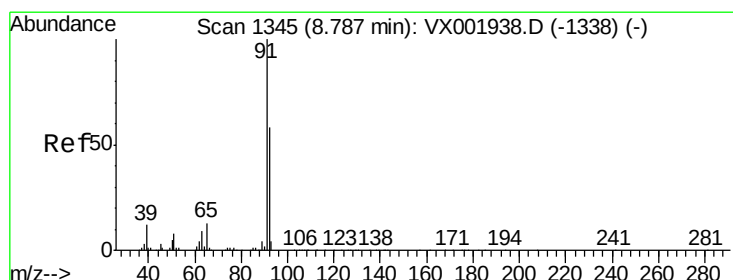
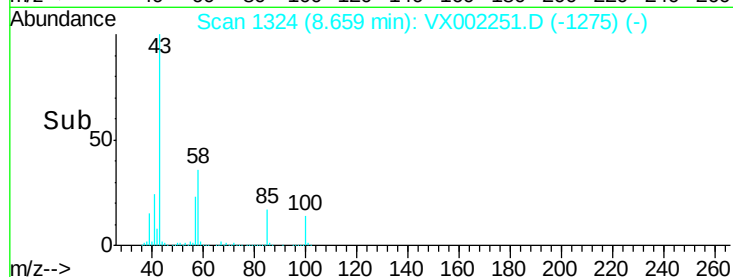
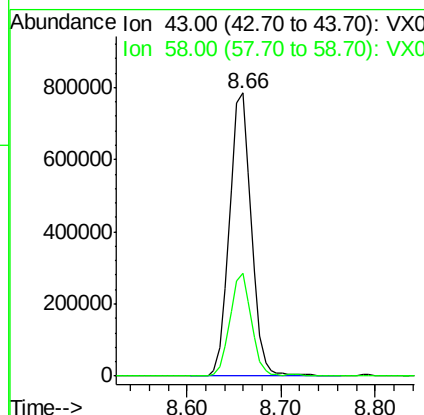
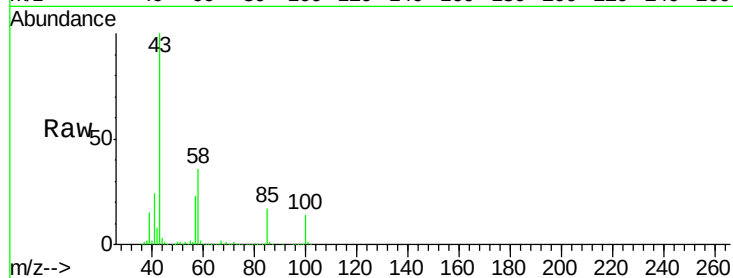
#51
4-Methyl-2-Pentanone
Concen: 257.281 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1266696
Ion Ratio Lower Upper
43 100
58 35.3 28.5 42.7

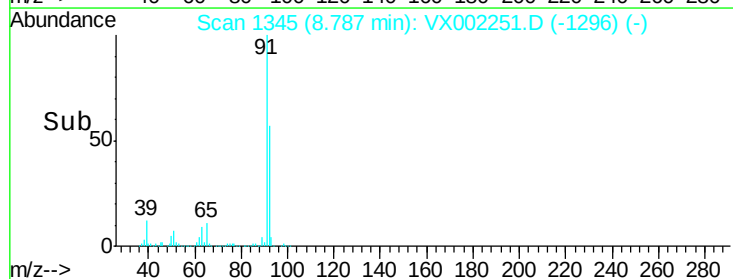
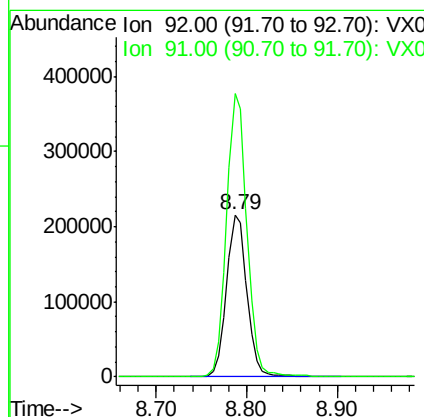
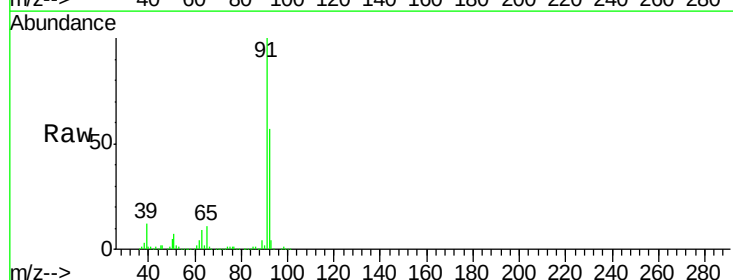
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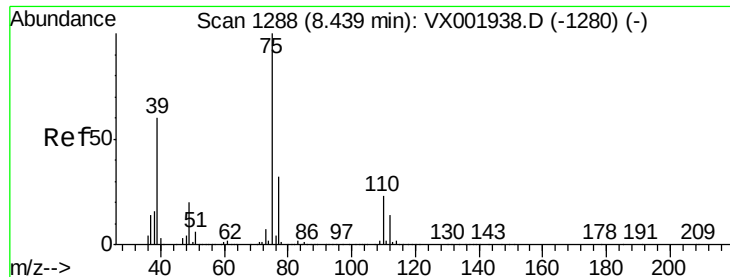
MMDadoda
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#52
Toluene
Concen: 48.410 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Tgt Ion: 92 Resp: 339354
Ion Ratio Lower Upper
92 100
91 174.6 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 45.015 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Tot Ion: 75 Resp: 218942

Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3

Instrument :

MSVOA_X

ClientSampleId :

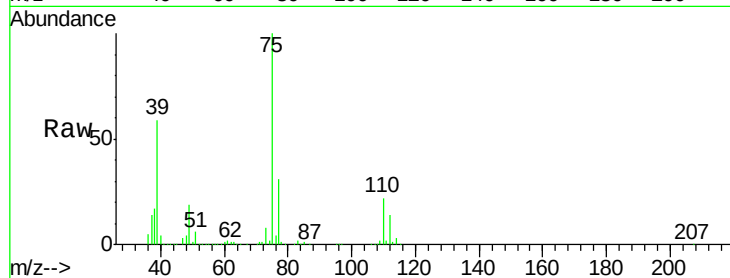
VSTDCCC050EC

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.44

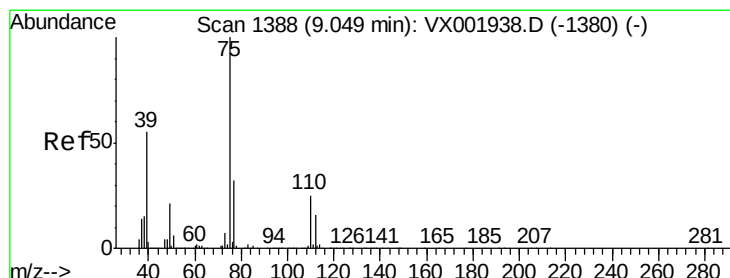
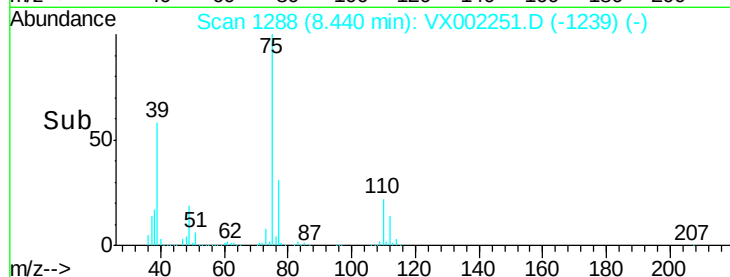
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 43.559 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

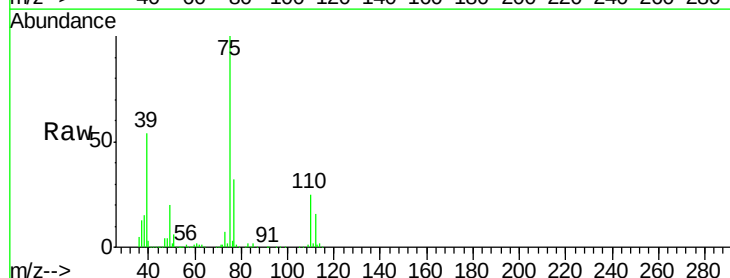
Tgt Ion: 75 Resp: 206442

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

39 53.4 44.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

200000

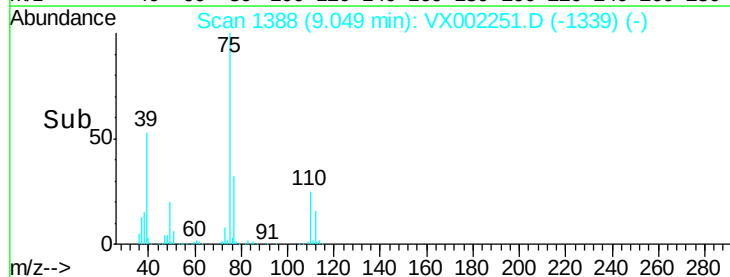
150000

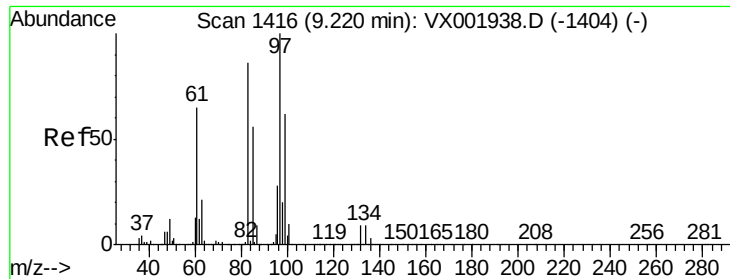
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 52.000 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Instrument :

MSVOA_X

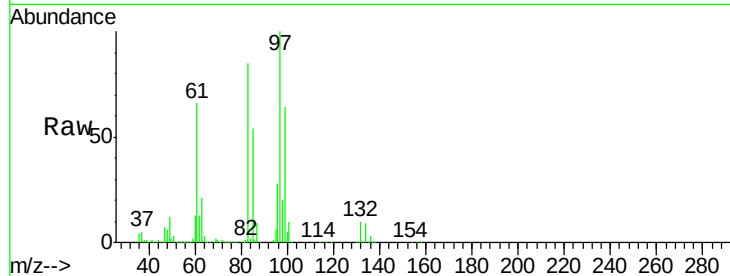
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	152279
Ion	Ratio	Lower	Upper
97	100		
83	85.5	69.1	103.7
85	53.7	45.2	67.8
99	63.6	49.6	74.4

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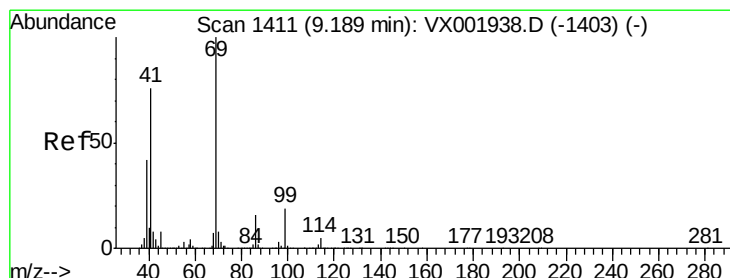
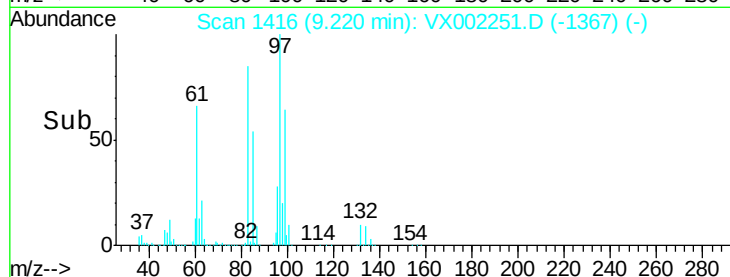
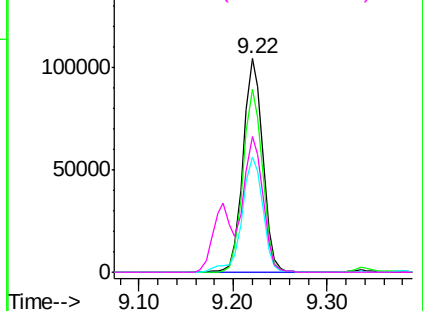
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 48.101 ug/l

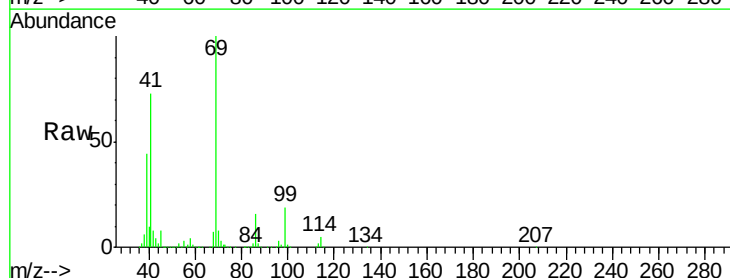
RT: 9.19 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Tgt Ion:	69	Resp:	242289
Ion	Ratio	Lower	Upper
69	100		
41	75.2	61.0	91.6
39	45.0	34.4	51.6

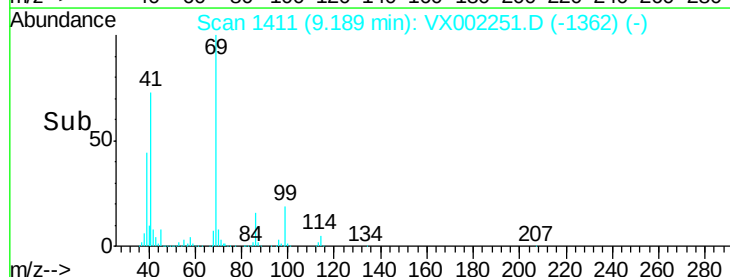
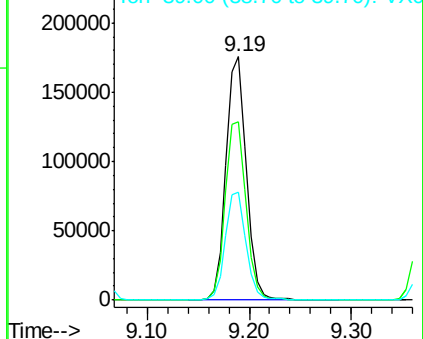


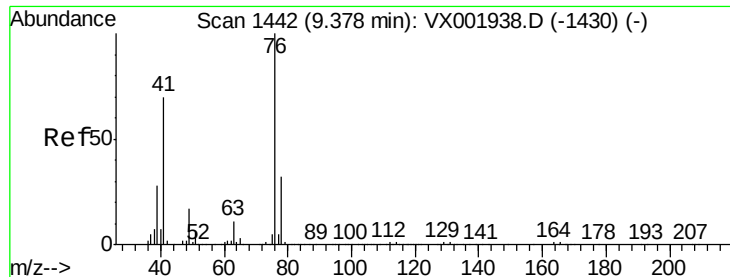
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 52.250 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 252068

Ion Ratio Lower Upper

76 100

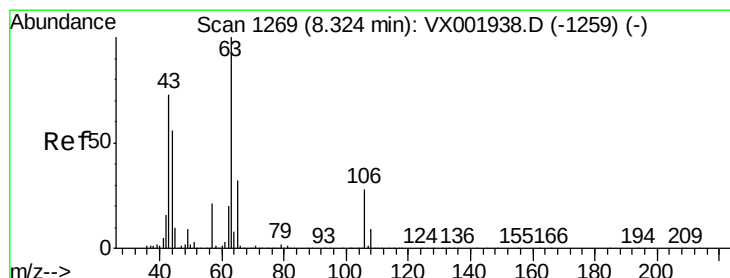
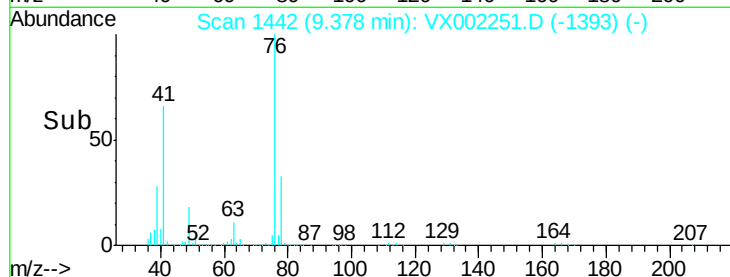
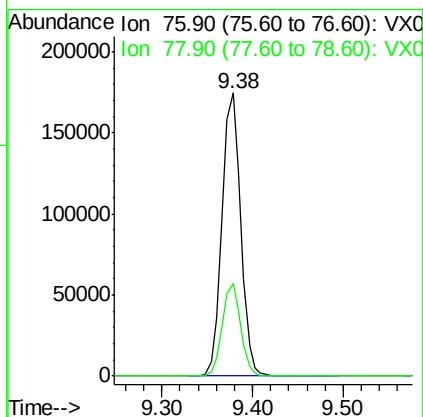
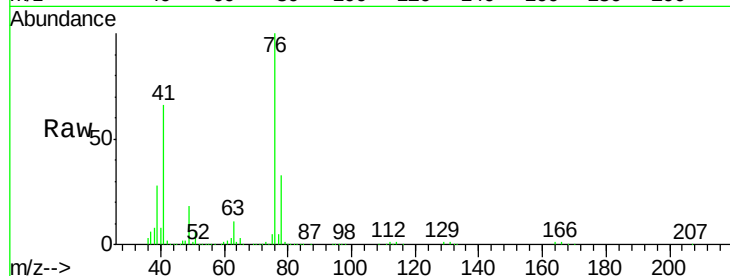
78 32.1 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 241.443 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX002251.D

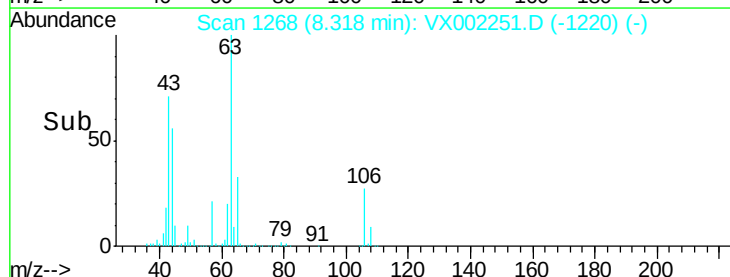
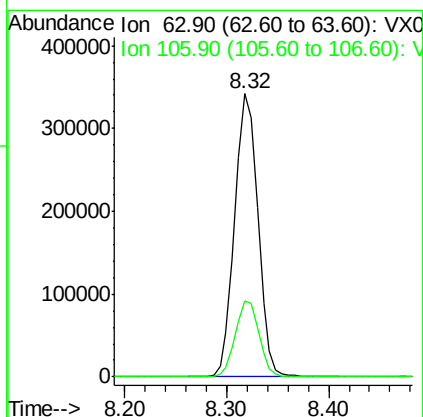
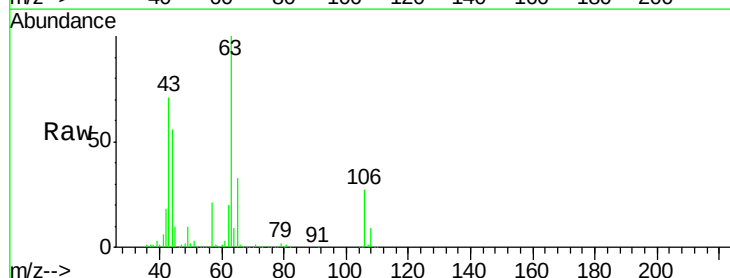
Acq: 02 Jun 2018 20:31

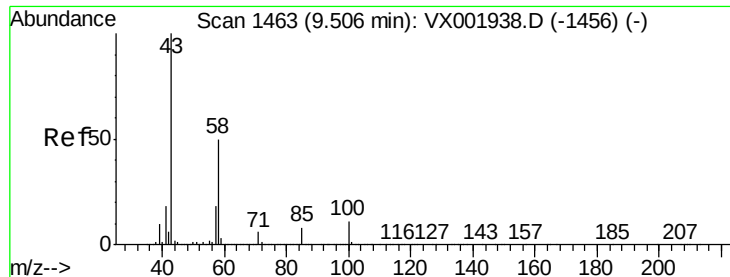
Tgt Ion: 63 Resp: 539035

Ion Ratio Lower Upper

63 100

106 27.5 21.7 32.5





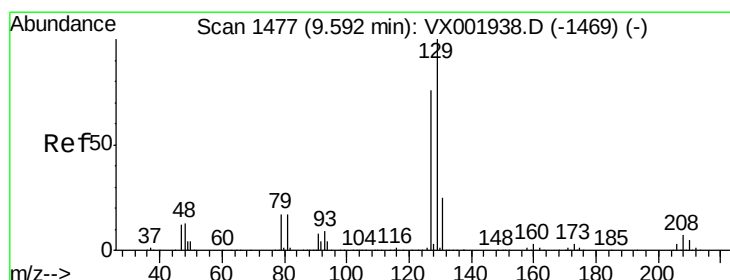
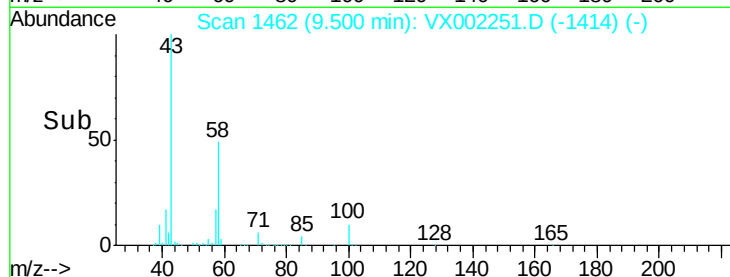
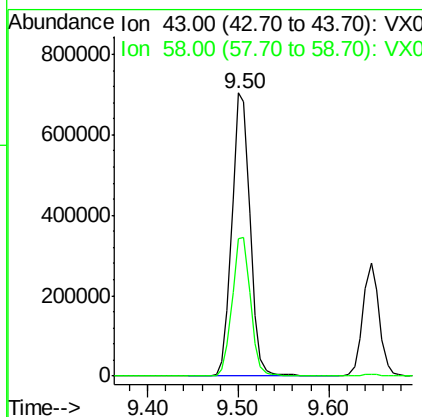
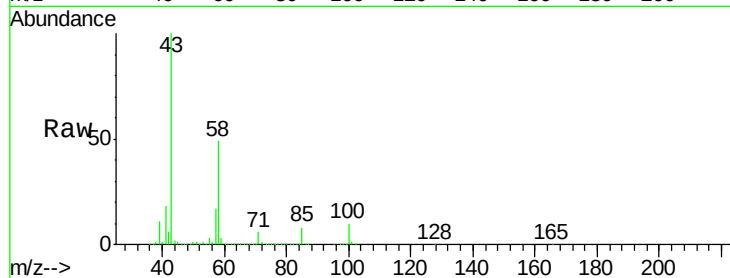
#59
2-Hexanone
Concen: 258.482 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.7	24.9	74.6

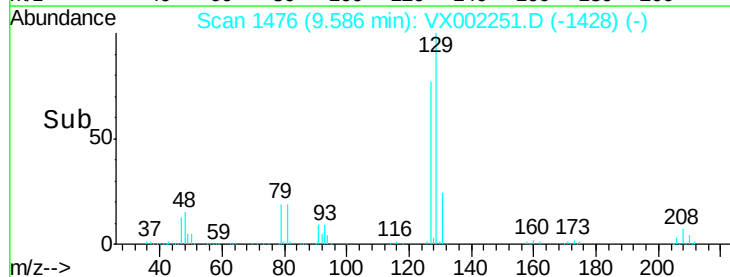
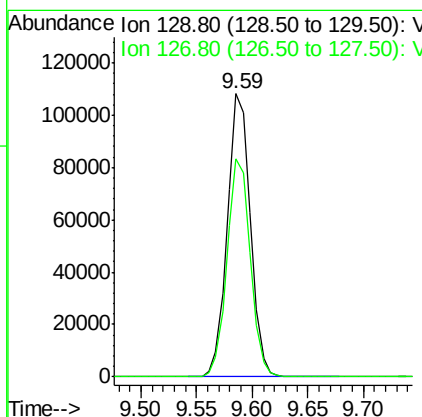
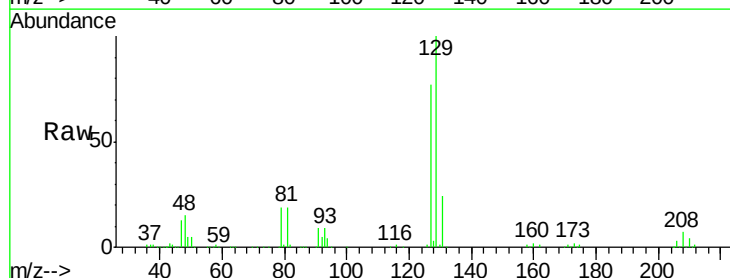
Manual Integrations
APPROVED

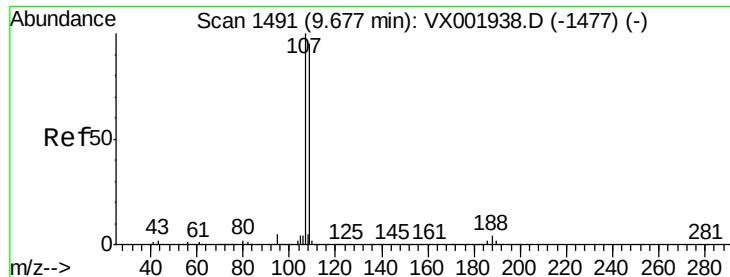
MMDadoda
6/4/2018 2:31:54 PM



#60
Dibromochloromethane
Concen: 44.584 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.3	114.9





#61

1,2-Dibromoethane

Concen: 51.585 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 158510

Ion Ratio Lower Upper

107 100

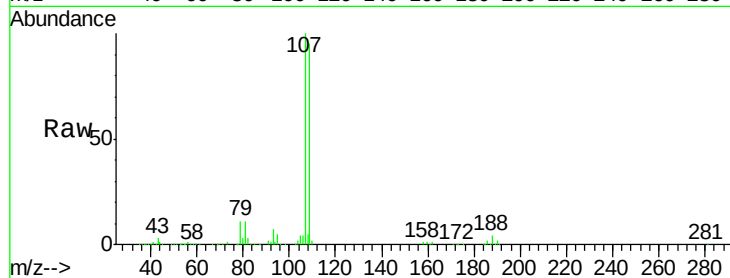
109 95.2 75.3 112.9

Manual Integrations

APPROVED

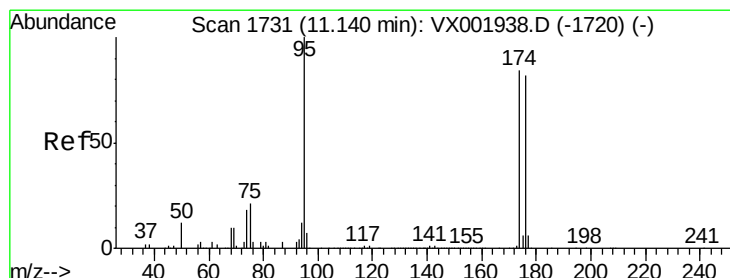
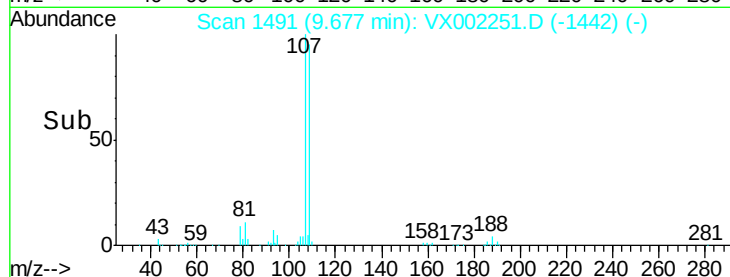
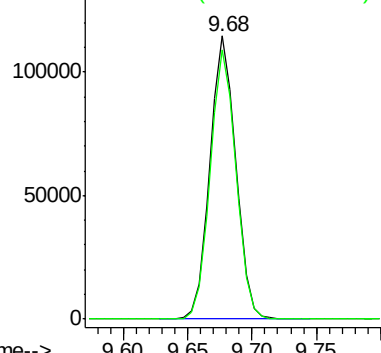
MMDadoda

6/4/2018 2:31:54 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.136 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

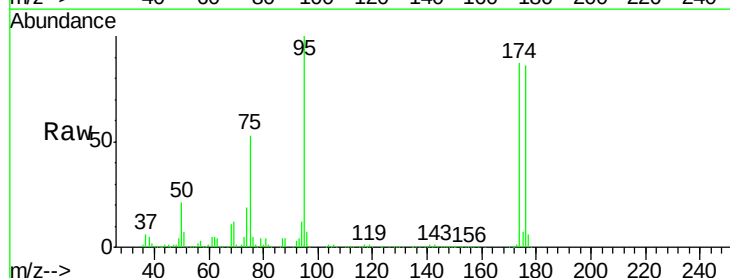
Tgt Ion: 95 Resp: 184303

Ion Ratio Lower Upper

95 100

174 94.3 0.0 178.8

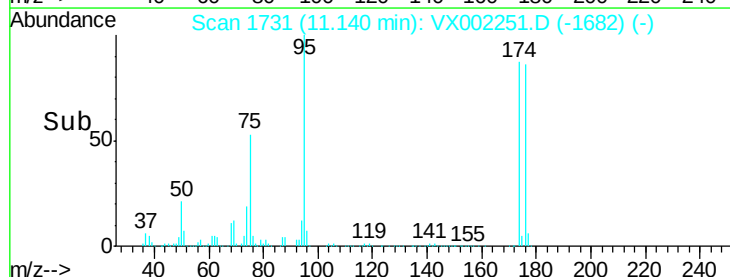
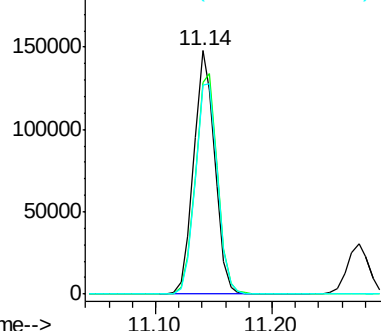
176 91.7 0.0 175.6

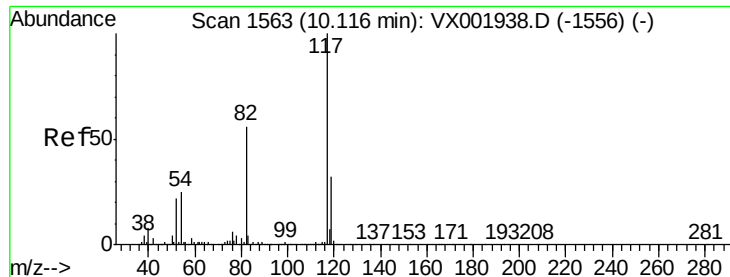


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





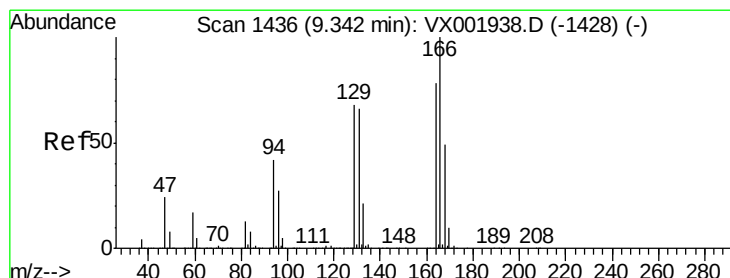
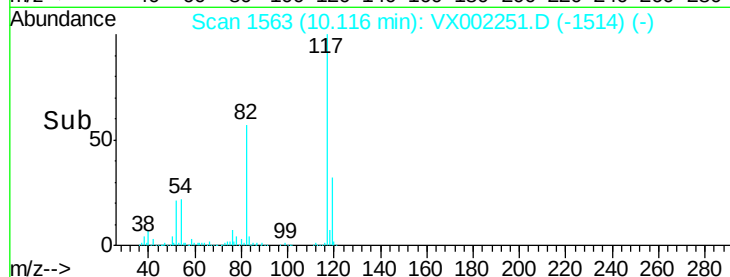
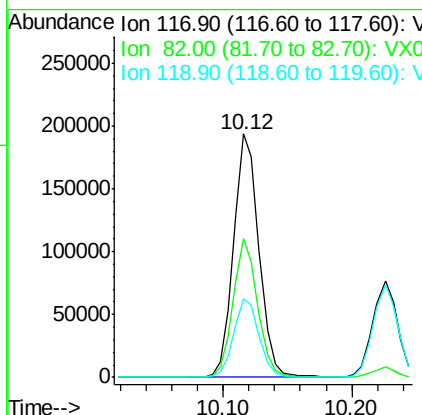
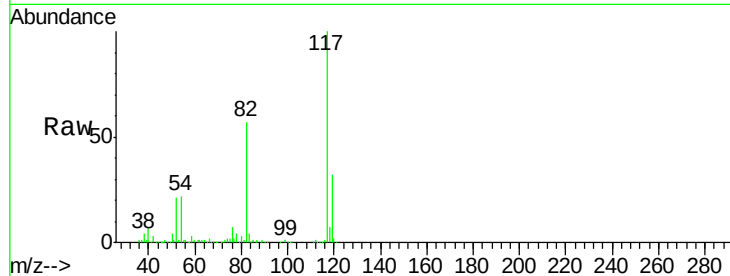
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	44.8	67.2
119	32.1	25.5	38.3

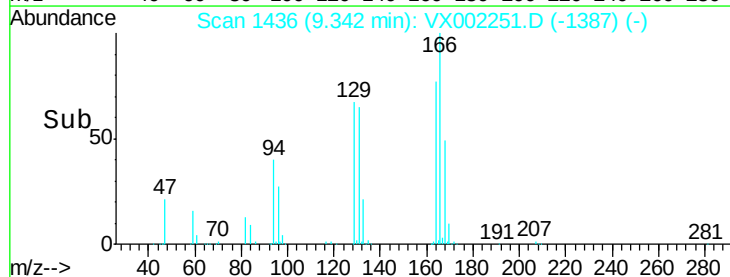
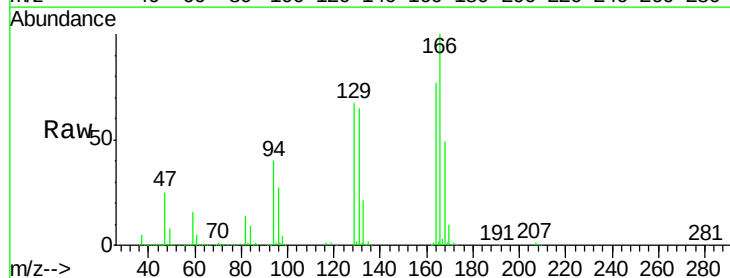
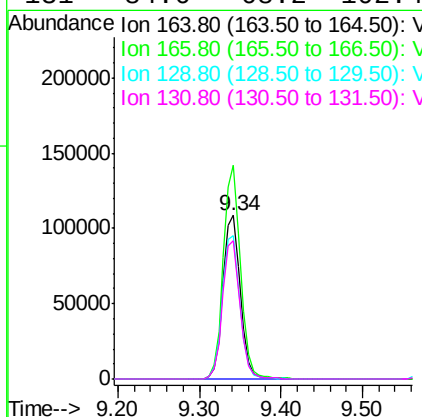
Manual Integrations
APPROVED

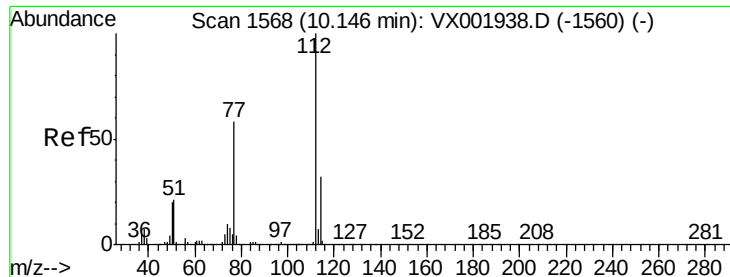
MMDadoda
6/4/2018 2:31:54 PM



#64
Tetrachloroethene
Concen: 42.320 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.6	102.7	154.1
129	87.5	70.3	105.5
131	84.6	68.2	102.4





#65

Chlorobenzene

Concen: 47.884 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 403538

Ion Ratio Lower Upper

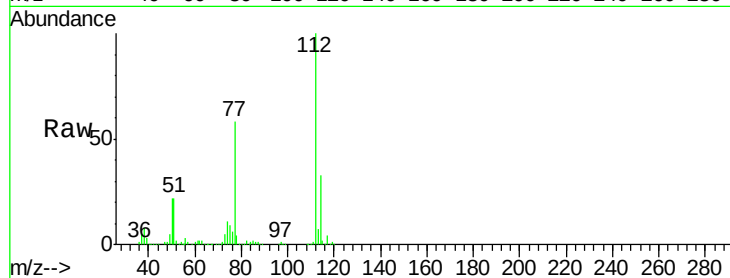
112 100

114 32.7 25.9 38.9

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

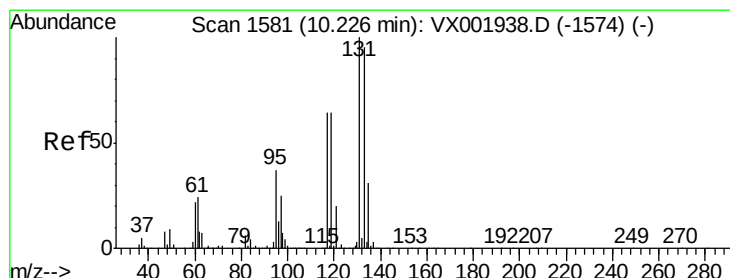
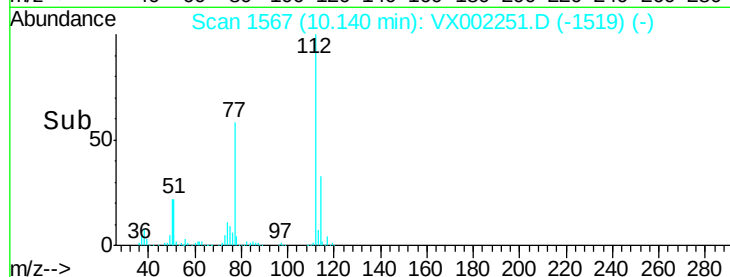
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 44.765 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

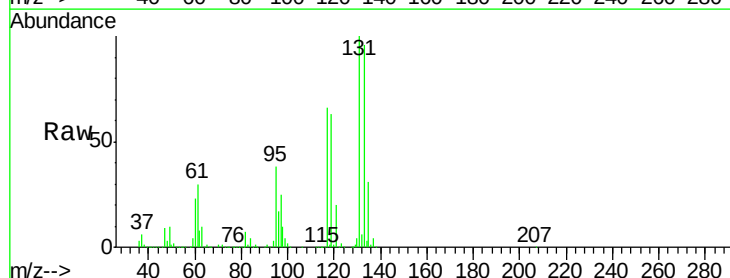
Tgt Ion:131 Resp: 152335

Ion Ratio Lower Upper

131 100

133 96.1 48.0 144.0

119 63.5 31.9 95.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.23

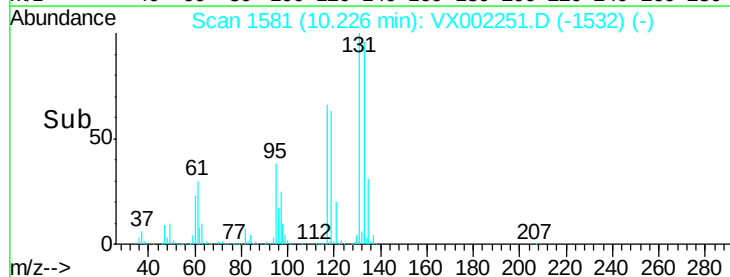
150000

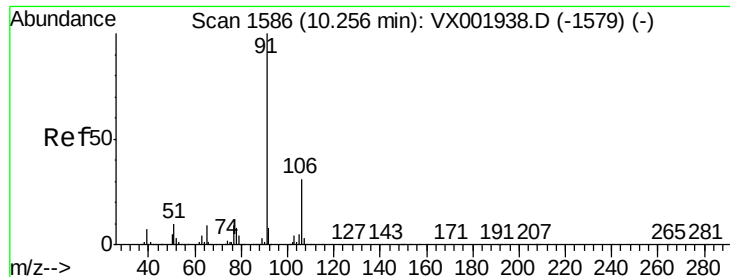
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 44.800 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 655967

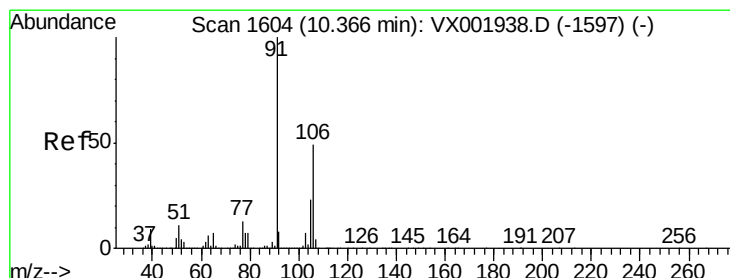
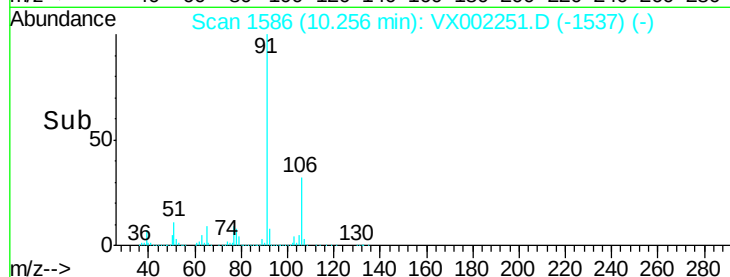
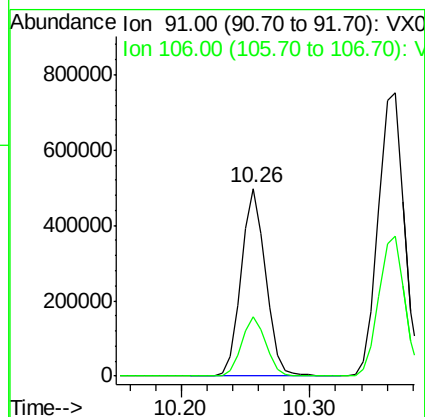
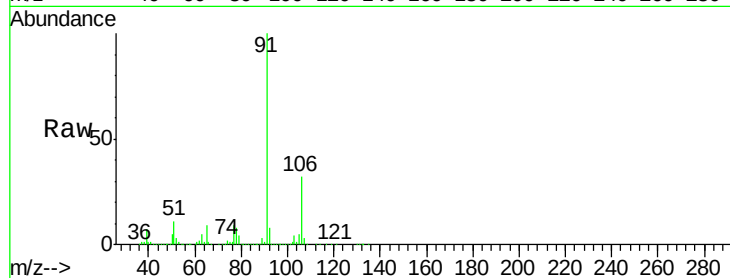
Ion Ratio Lower Upper

91 100

106 31.6 25.0 37.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 91.533 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX002251.D

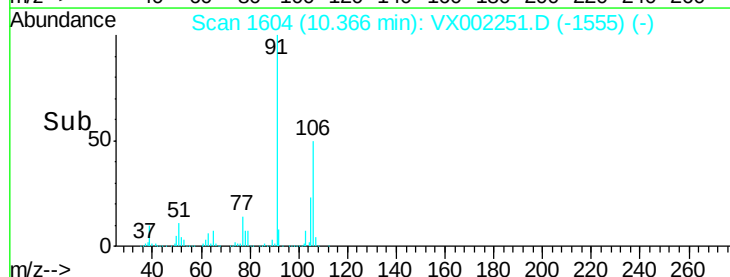
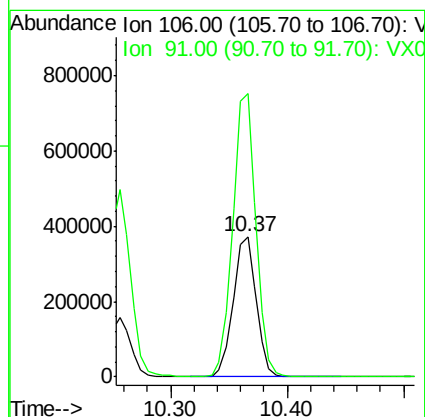
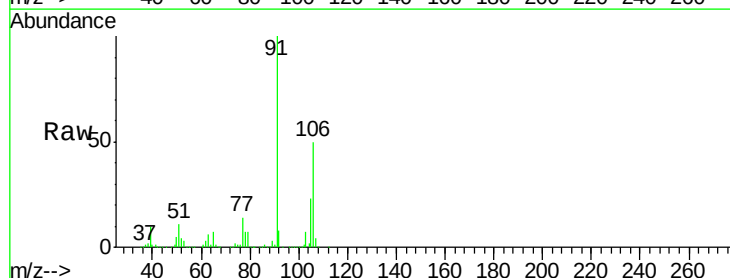
Acq: 02 Jun 2018 20:31

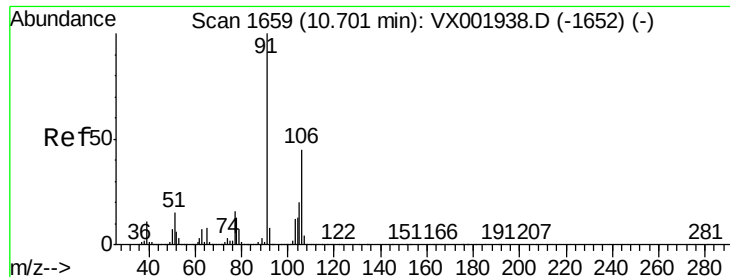
Tgt Ion: 106 Resp: 512321

Ion Ratio Lower Upper

106 100

91 204.2 165.0 247.6





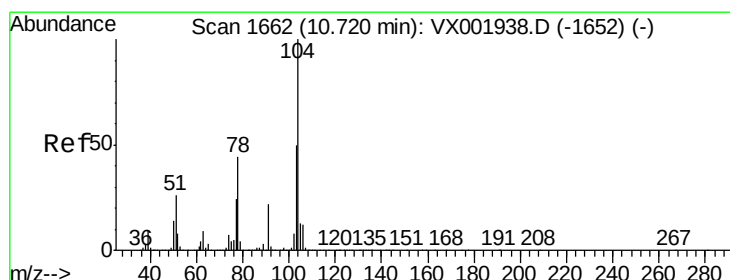
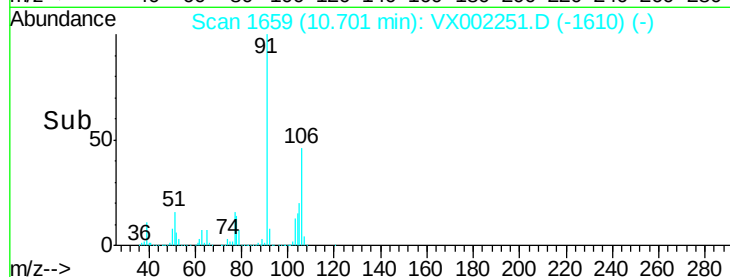
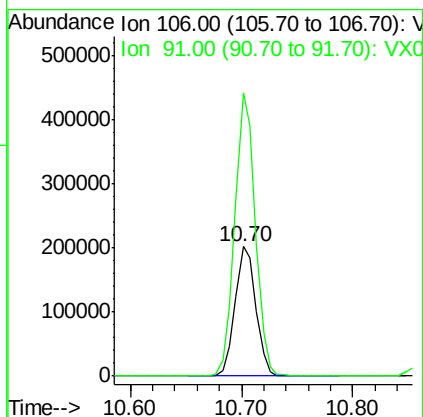
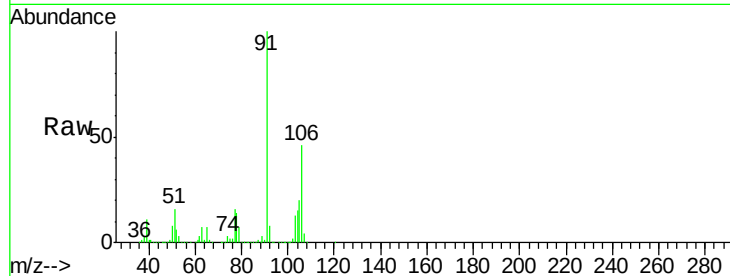
#69
o-Xylene
Concen: 46.915 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	215.5	108.7	325.9	

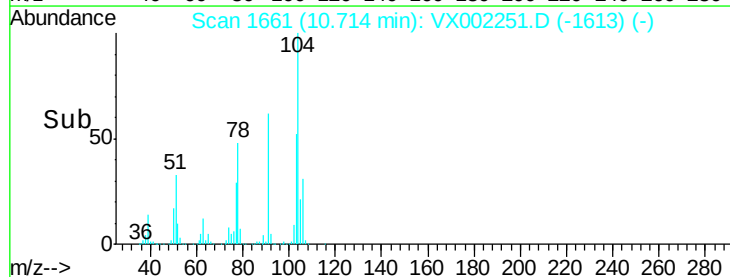
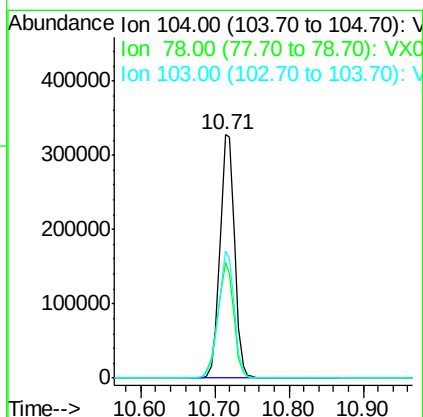
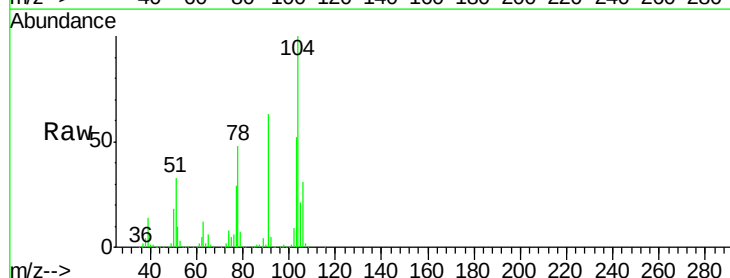
Manual Integrations
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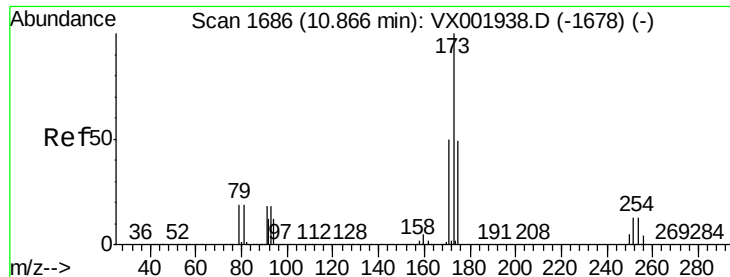
MMDadoda
6/4/2018 2:31:54 PM



#70
Styrene
Concen: 47.915 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.4	41.8	62.6	
103	55.8	44.6	67.0	





#71

Bromoform

Concen: 37.813 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Instrument :

MSVOA_X

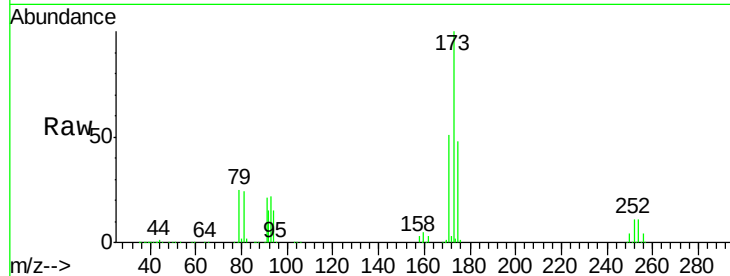
ClientSampleId :

VSTDCCC050EC

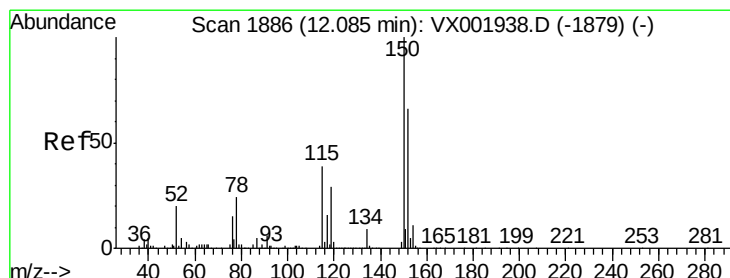
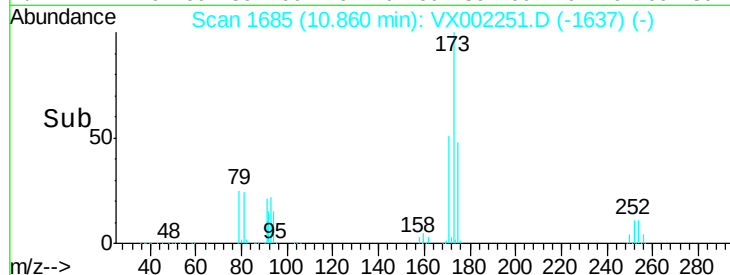
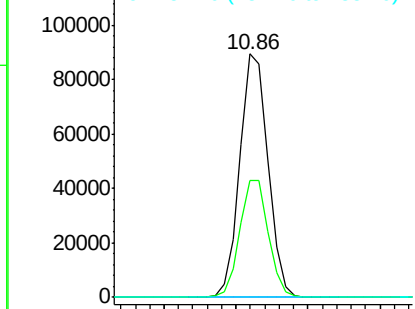
Tot Ion:	173	Resp:	122013
Ion Ratio	Lower	Upper	
173	100		
175	48.6	24.3	72.9
254	0.2	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

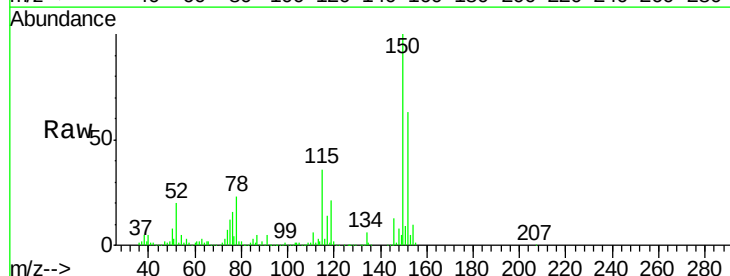
RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

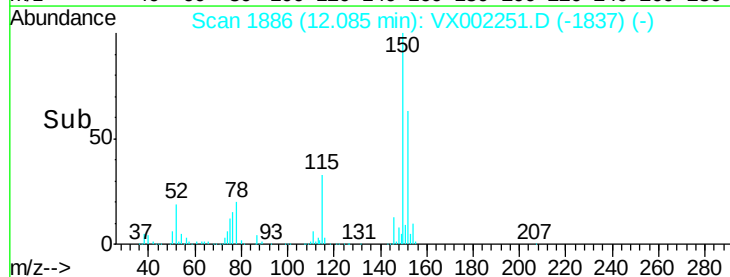
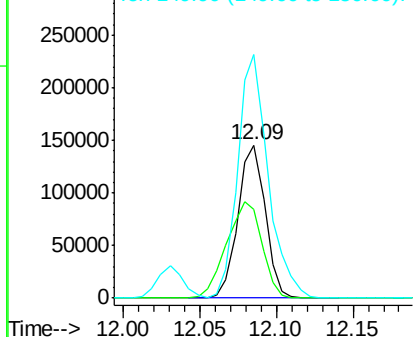
Lab File: VX002251.D

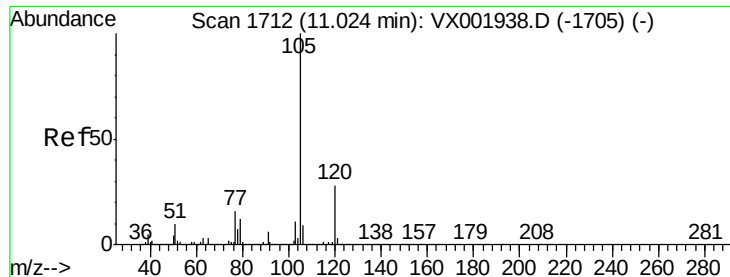
Acq: 02 Jun 2018 20:31

Tgt Ion:	152	Resp:	179539
Ion Ratio	Lower	Upper	
152	100		
115	81.4	42.3	126.8
150	177.8	0.0	351.0



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





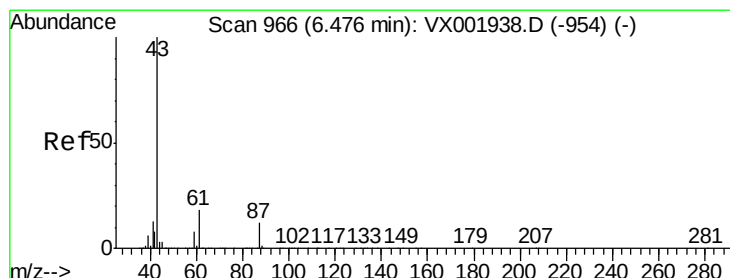
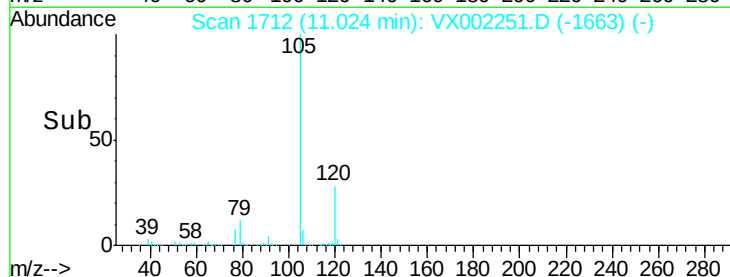
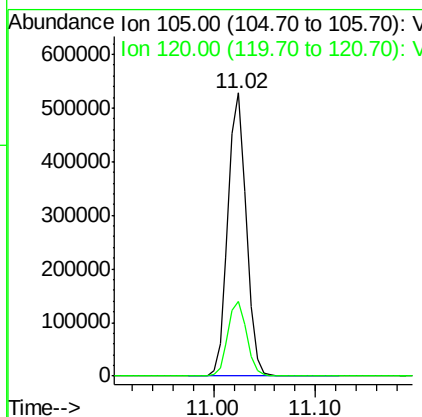
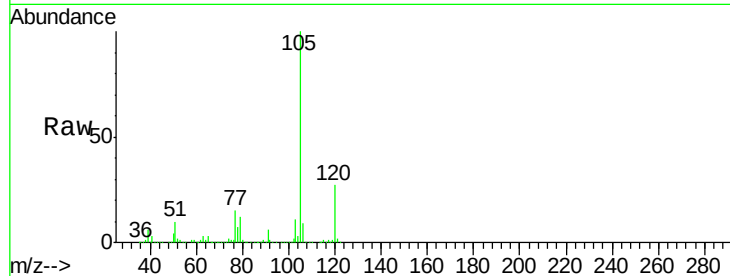
#73
Isopropylbenzene
Concen: 43.179 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.6	40.7

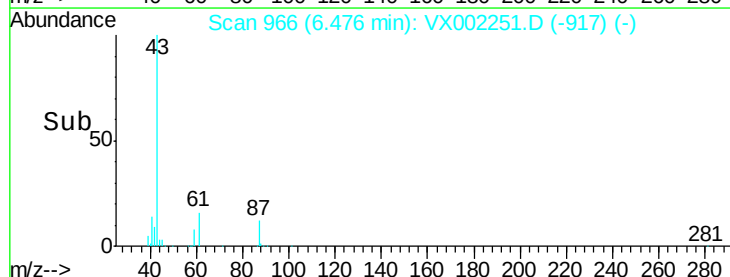
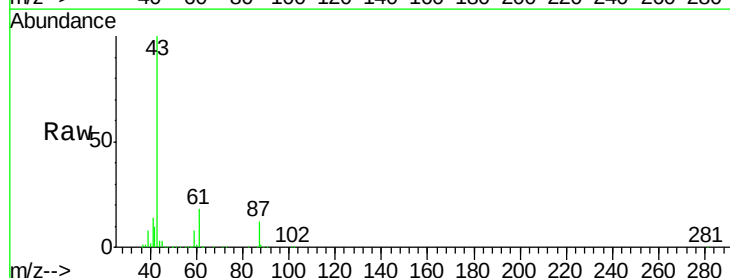
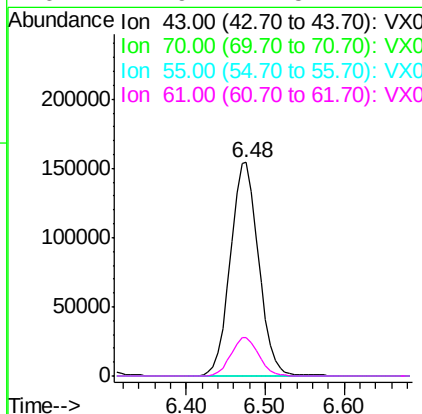
Manual Integrations
APPROVED

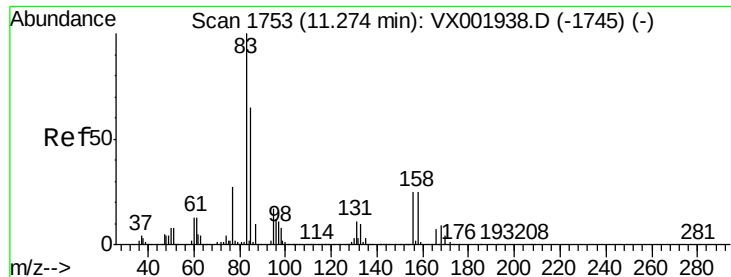
MMDadoda
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#74
N-ethyl acetate
Concen: 48.538 ug/l
RT: 6.48 min Scan# 966
Delta R.T. 0.00 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.1	0.1#
55	0.1	0.1	0.1
61	17.9	14.5	21.7





#75

1,1,2,2-Tetrachloroethane

Concen: 54.907 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Instrument :

MSVOA_X

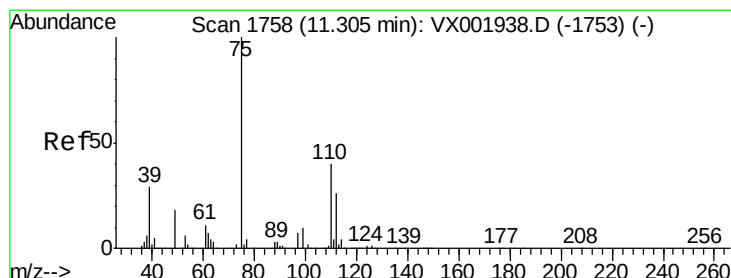
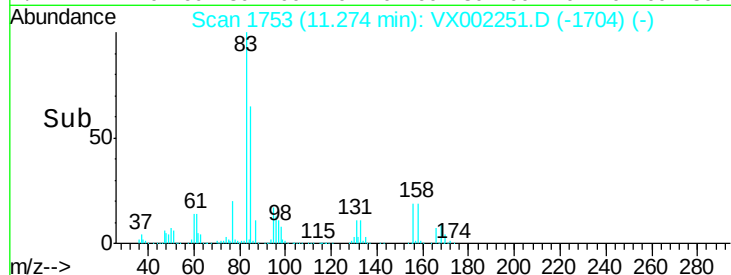
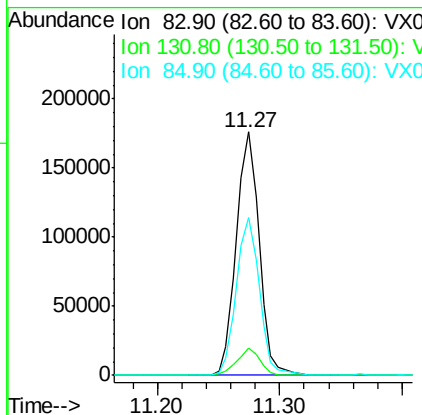
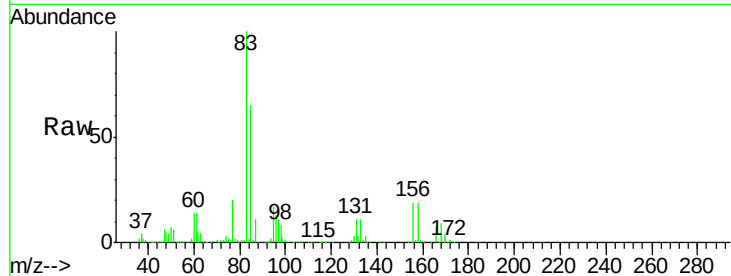
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	227796
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.7	17.0
85	65.3	32.6	97.7

Manual Integrations
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6/4/2018 2:31:54 PM



#76

1,2,3-Trichloropropane

Concen: 53.907 ug/l m

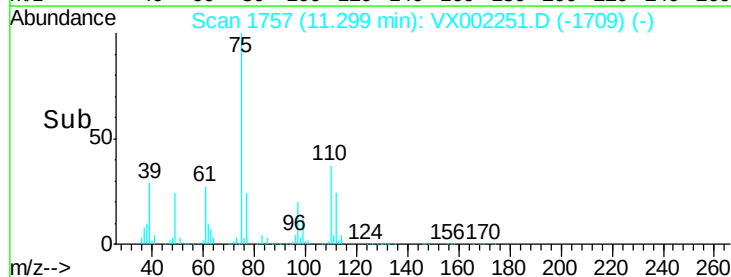
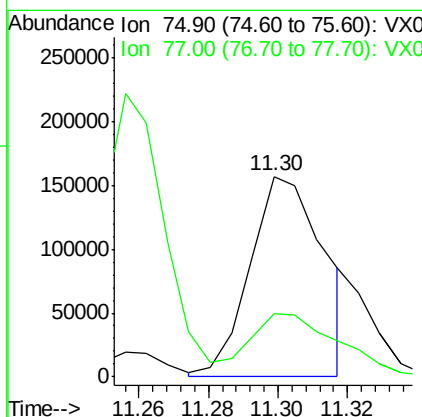
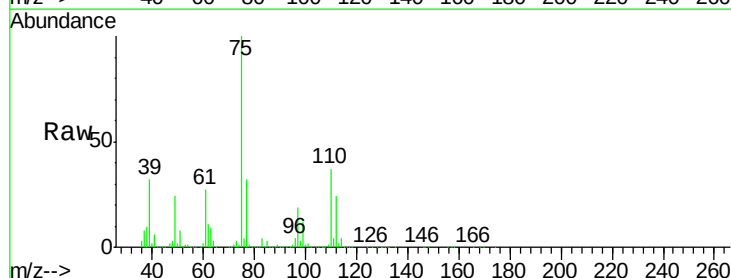
RT: 11.30 min Scan# 1757

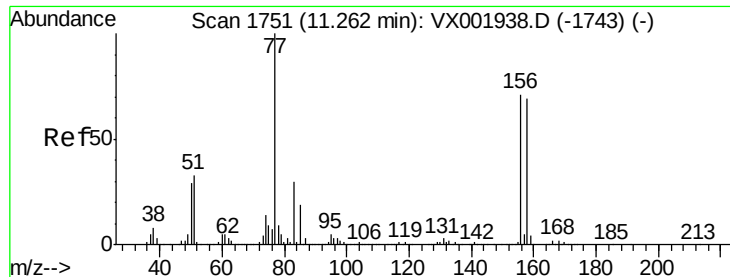
Delta R.T. -0.01 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Tgt Ion:	75	Resp:	232470
Ion Ratio	Lower	Upper	
75	100		
77	38.3	22.8	68.3





#77

Bromobenzene

Concen: 49.113 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 198108

Ion Ratio Lower Upper

156 100

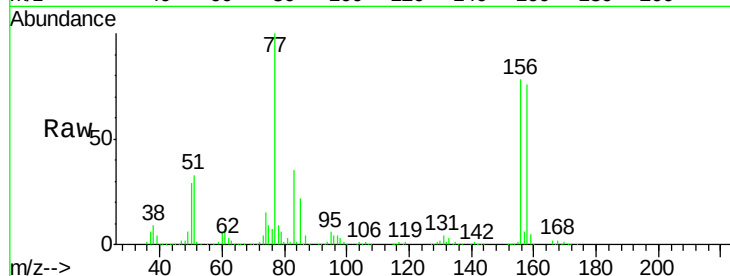
77 141.7 75.2 225.6

158 98.0 48.6 145.8

Manual Integrations
APPROVED

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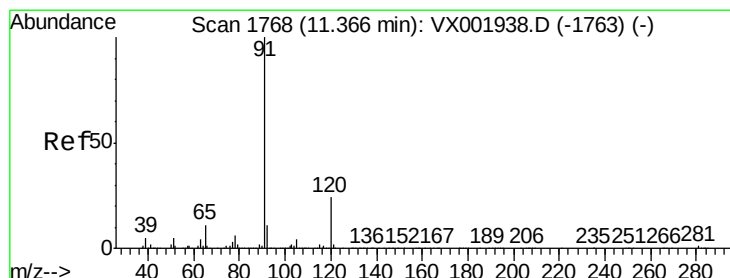
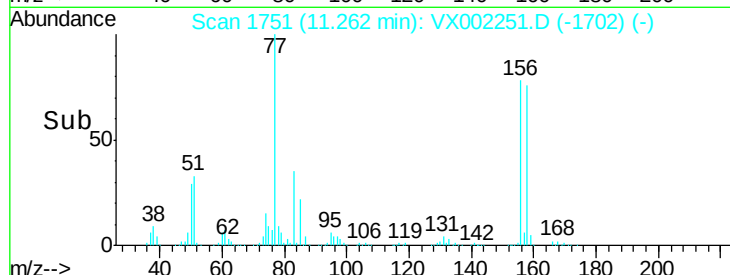
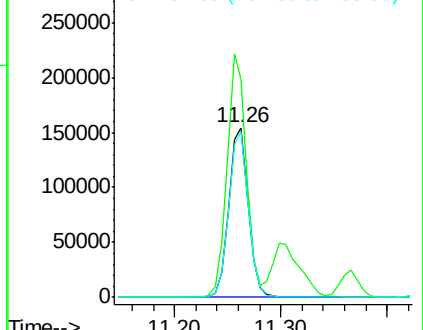
6/4/2018 2:31:54 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 43.333 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002251.D

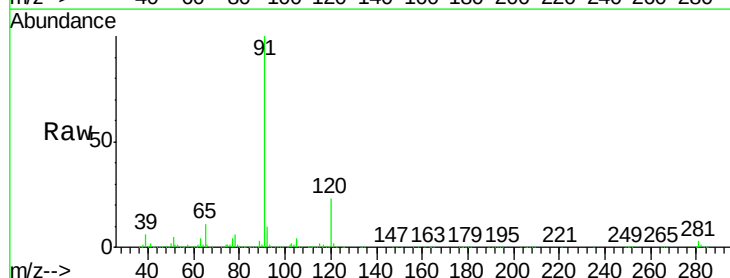
Acq: 02 Jun 2018 20:31

Tgt Ion: 91 Resp: 737861

Ion Ratio Lower Upper

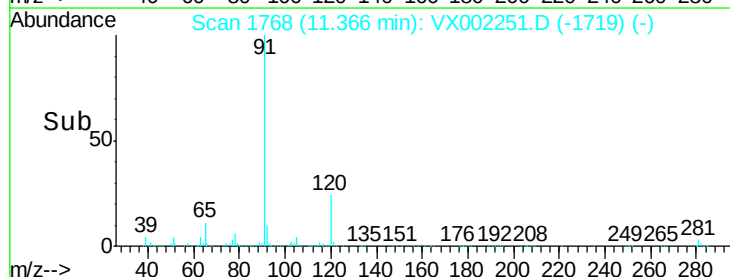
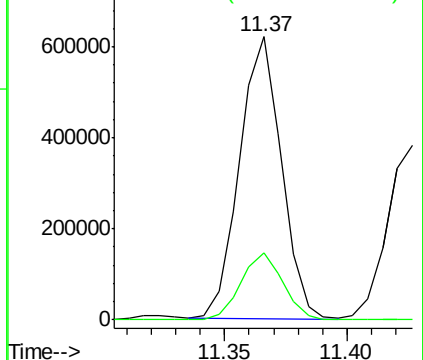
91 100

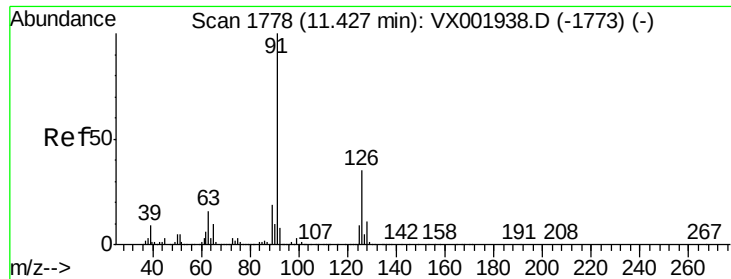
120 23.8 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.876 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 474857

Ion Ratio Lower Upper

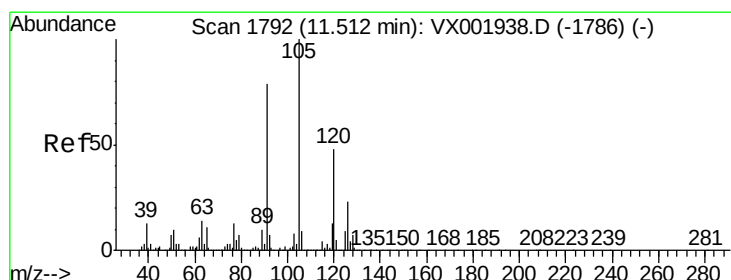
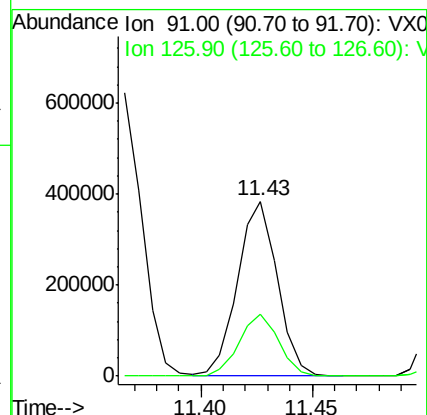
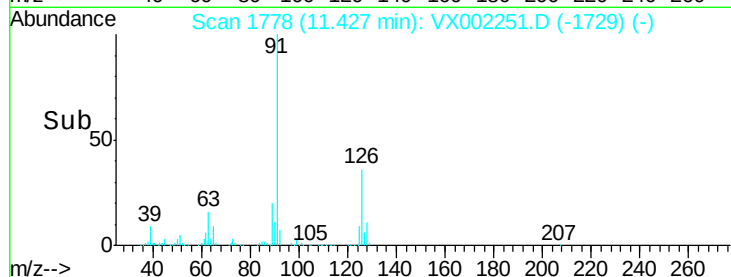
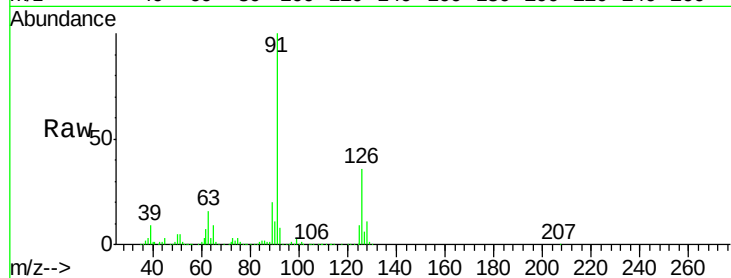
91 100

126 35.4 17.4 52.2

Manual Integrations
APPROVED

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#80

1,3,5-Trimethylbenzene

Concen: 44.034 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002251.D

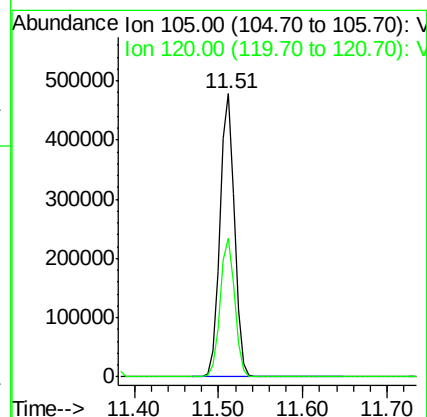
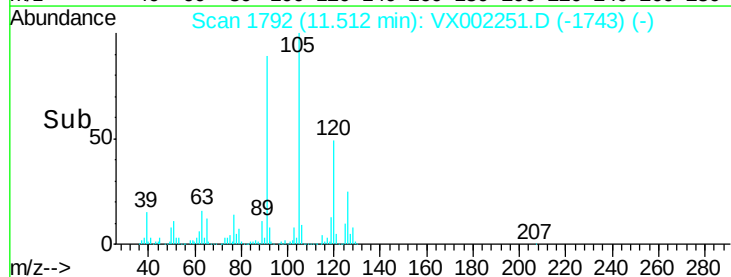
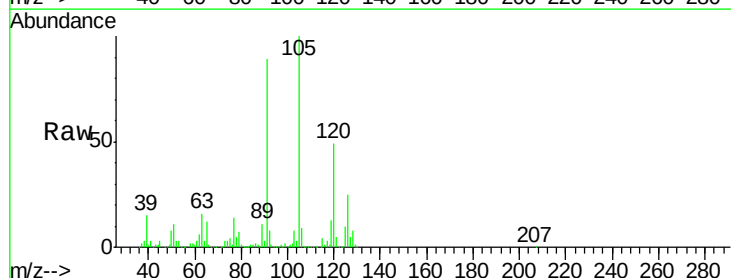
Acq: 02 Jun 2018 20:31

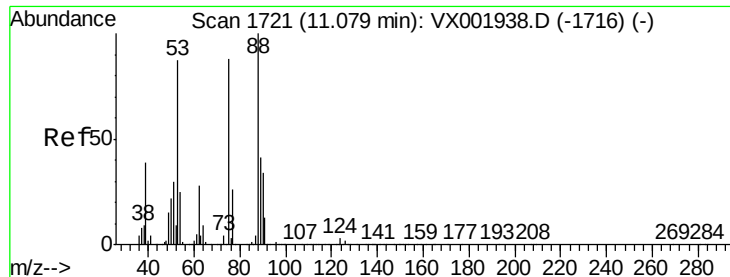
Tgt Ion: 105 Resp: 572124

Ion Ratio Lower Upper

105 100

120 49.0 24.1 72.4





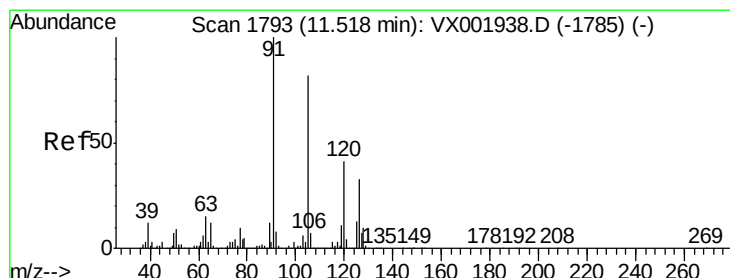
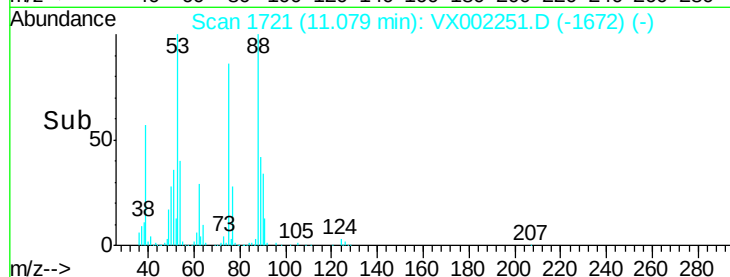
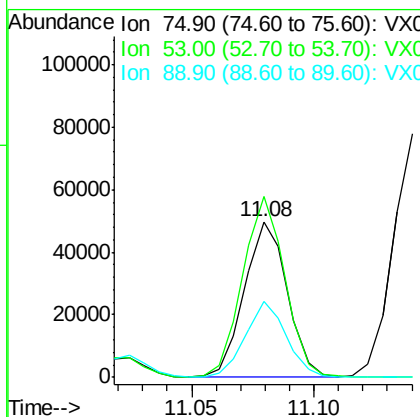
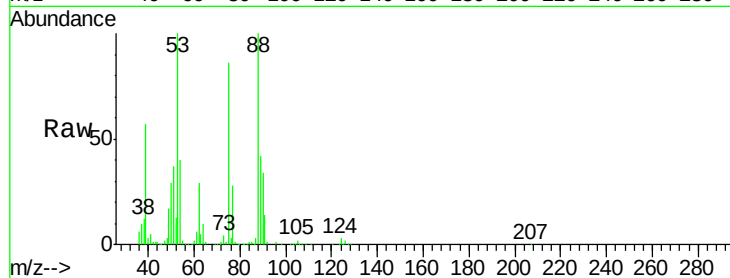
#81
trans-1,4-Dichloro-2-butene
Concen: 33.536 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.0	78.0	117.0
89	47.1	39.4	59.2

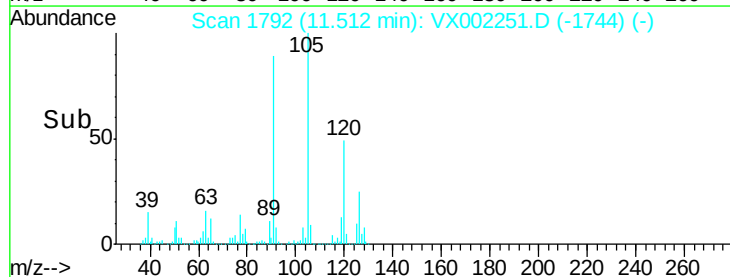
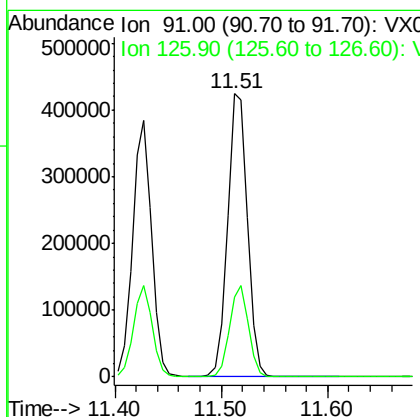
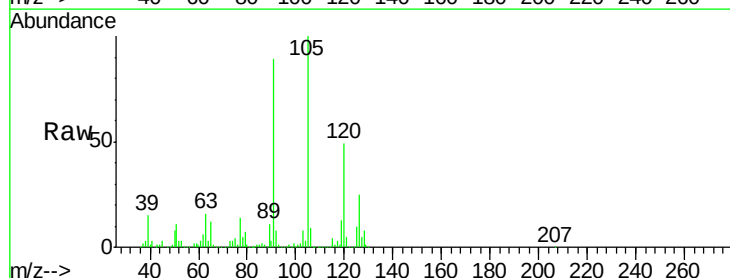
Manual Integrations
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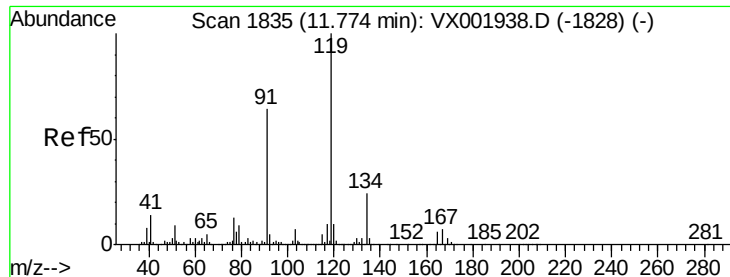
MMDadoda
6/4/2018 2:31:54 PM



#82
4-Chlorotoluene
Concen: 46.373 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.01 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.3	45.8





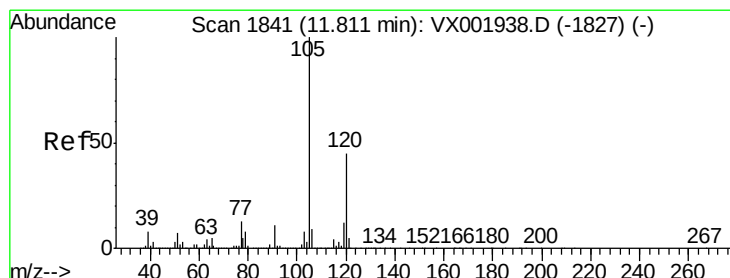
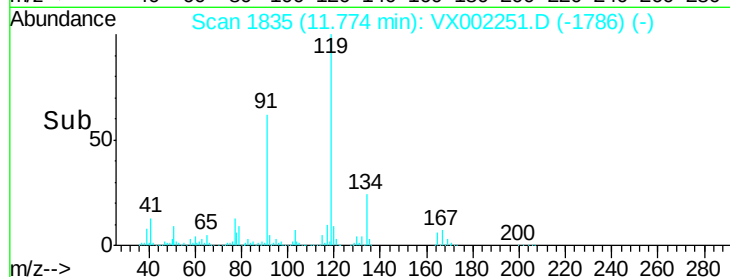
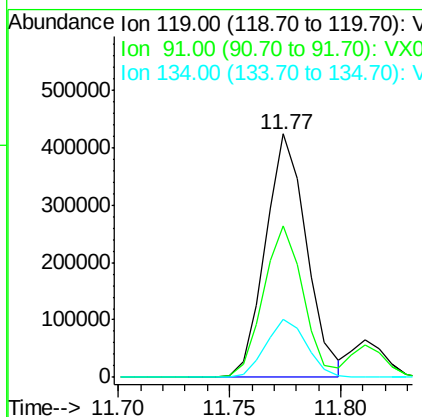
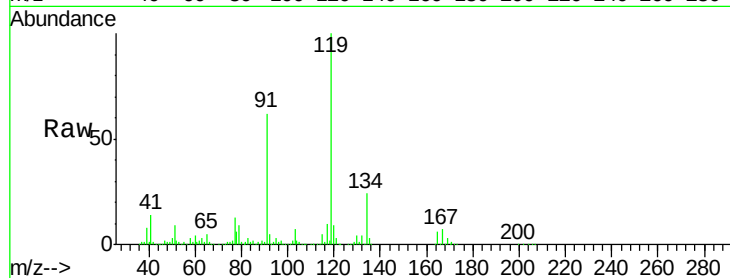
#83
 tert-Butylbenzene
 Concen: 42.751 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX002251.D
 Acq: 02 Jun 2018 20:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	545076		
91	60.3		30.6	91.8
134	23.9		11.7	35.0

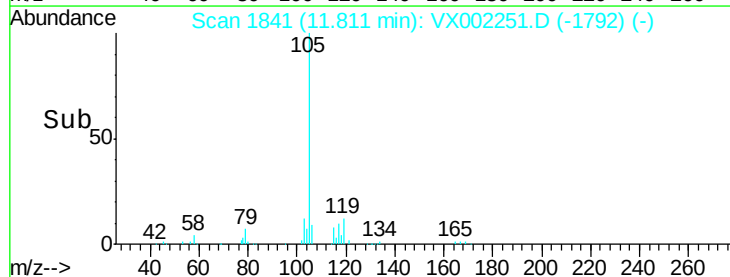
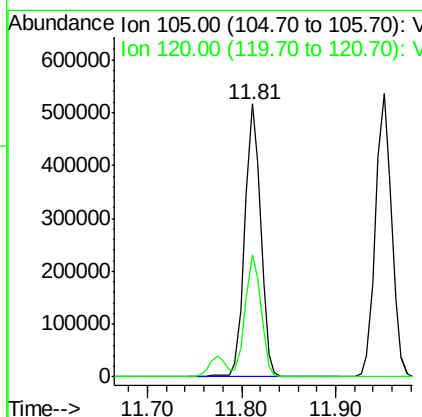
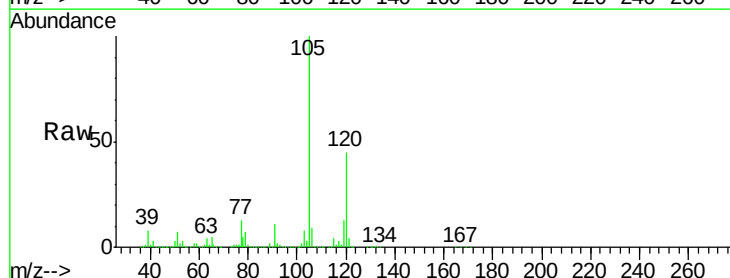
Manual Integrations
 APPROVED

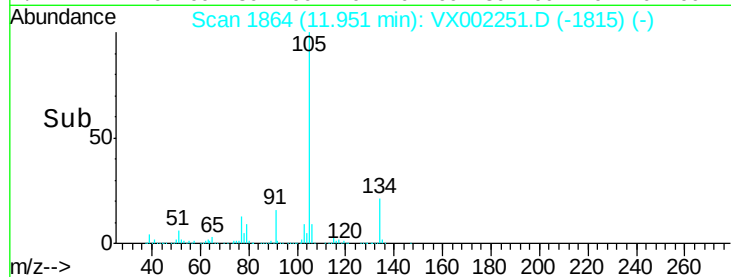
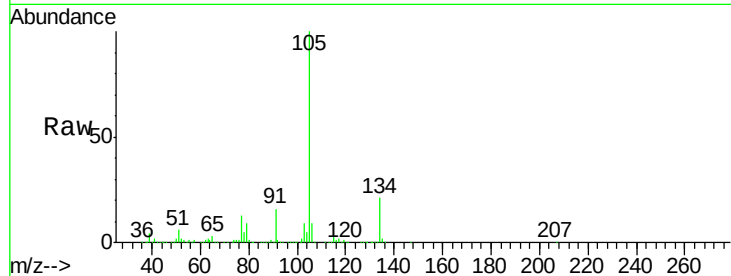
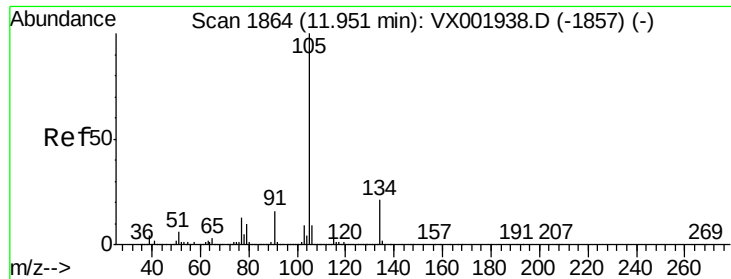
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#84
 1,2,4-Trimethylbenzene
 Concen: 45.389 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002251.D
 Acq: 02 Jun 2018 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	609423		
120	44.0		22.1	66.5





#85

sec-Butylbenzene

Concen: 41.691 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

Tot Ion:105 Resp: 638980

Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.4

Instrument :

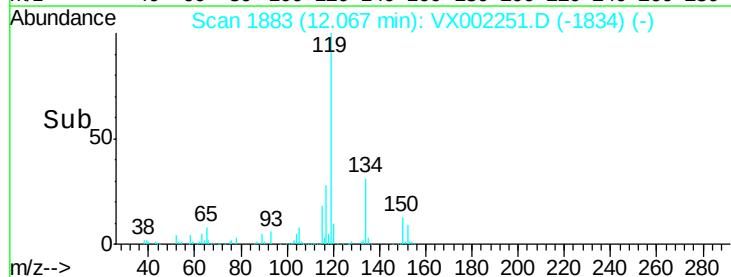
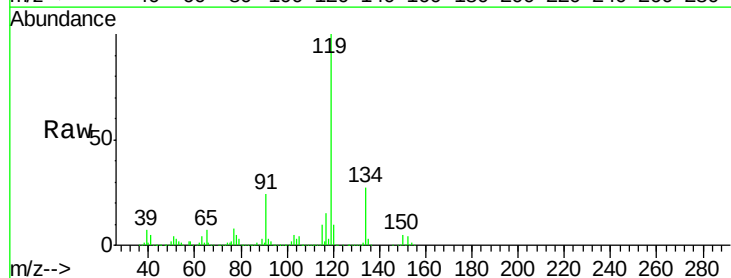
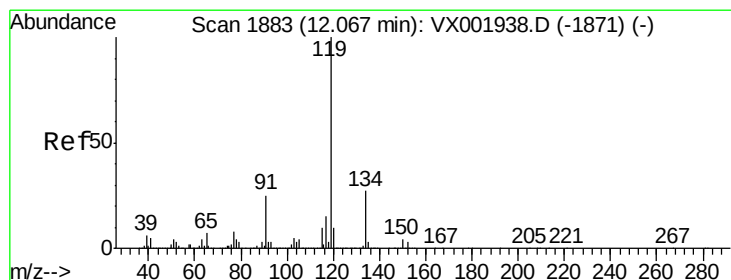
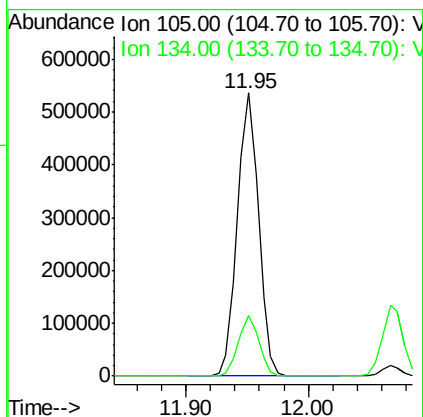
MSVOA_X

ClientSampleId :

VSTDCCC050EC

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 43.155 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002251.D

Acq: 02 Jun 2018 20:31

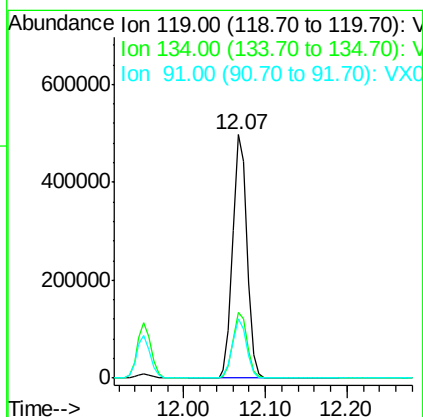
Tgt Ion:119 Resp: 591854

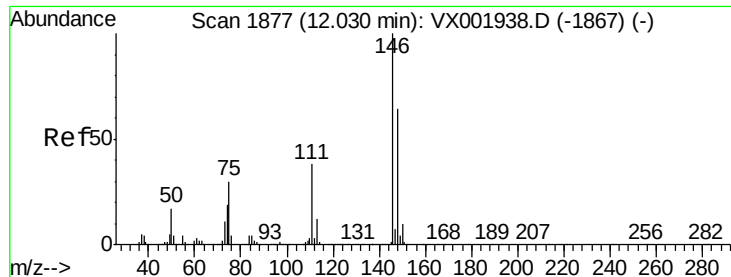
Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

91 23.9 12.2 36.4





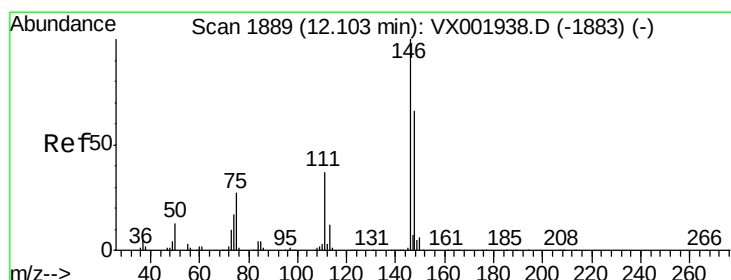
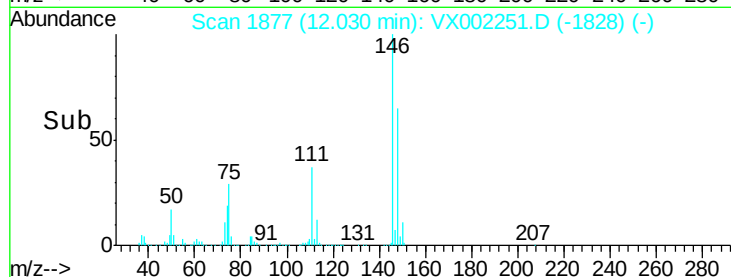
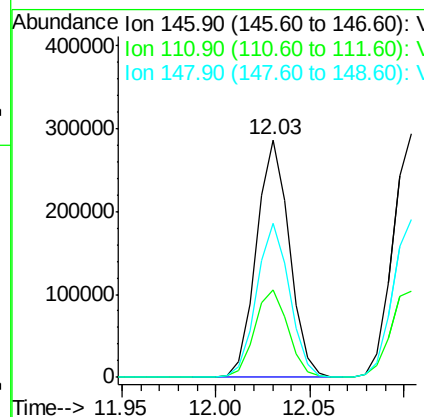
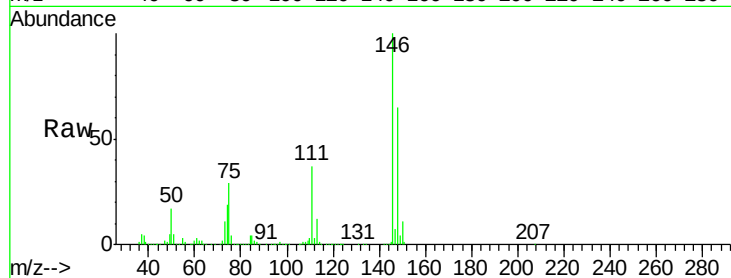
#87
 1,3-Dichlorobenzene
 Concen: 47.981 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002251.D
 Acq: 02 Jun 2018 20:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.3	57.8
148	64.8	32.1	96.3

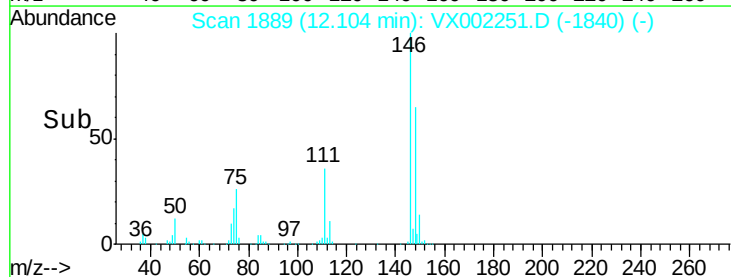
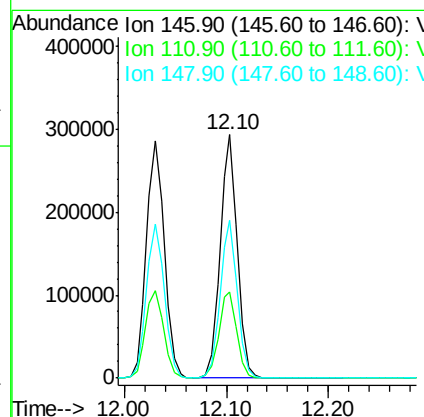
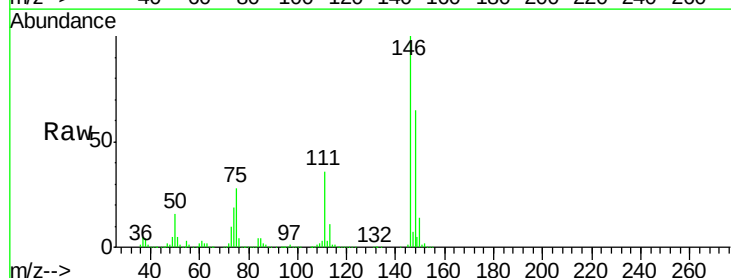
Manual Integrations
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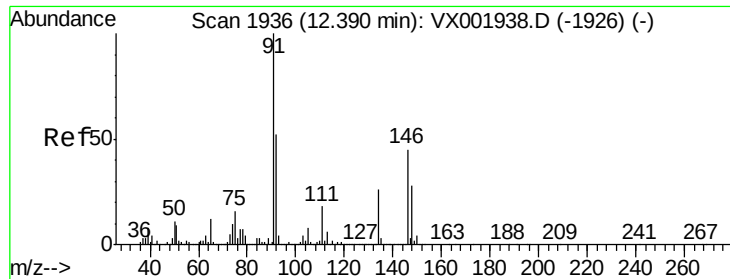
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 6/4/2018 2:31:54 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.375 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002251.D
 Acq: 02 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.5
148	64.8	32.3	96.8





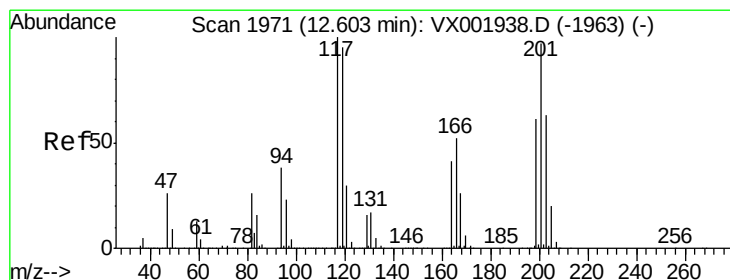
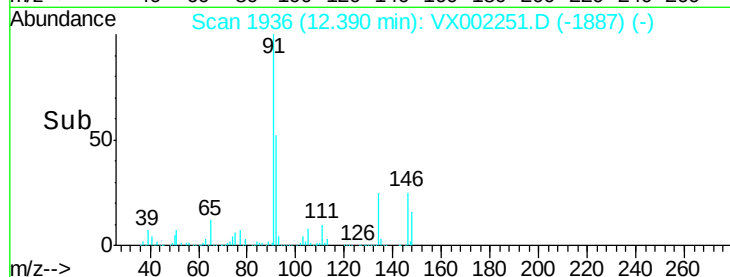
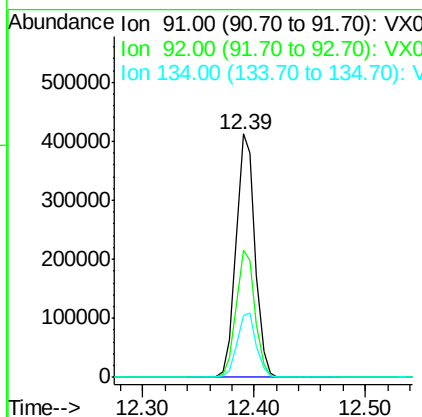
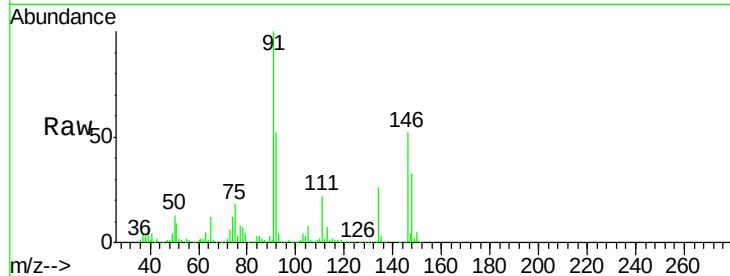
#89
n-Butylbenzene
Concen: 41.519 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.9
134	26.9	13.6	40.7

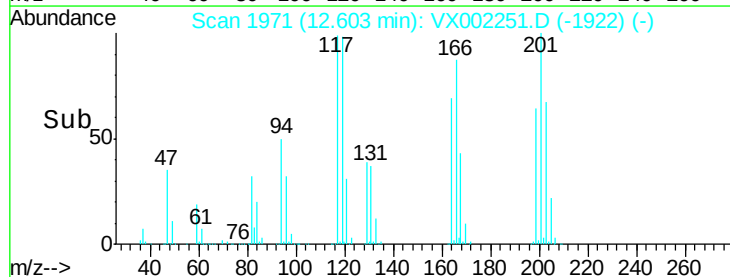
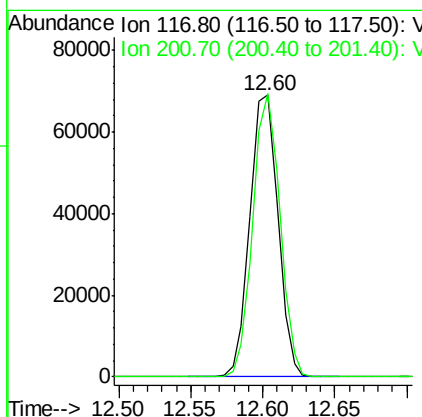
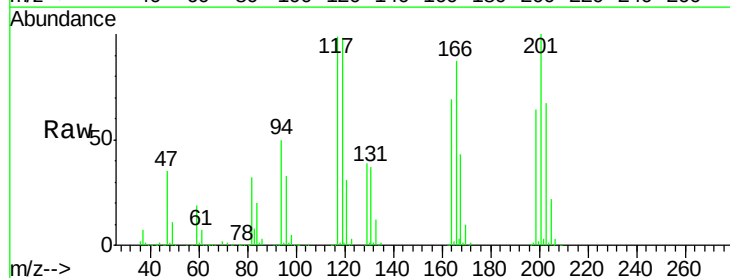
Manual Integrations
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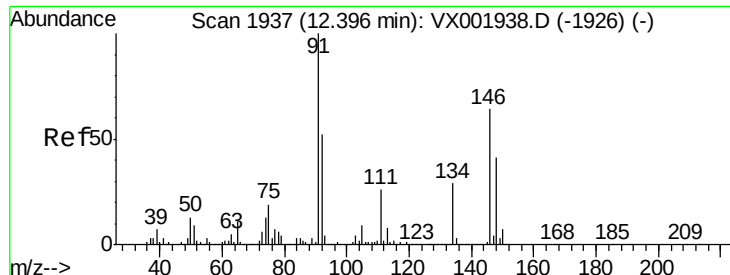
MMDadoda
6/4/2018 2:31:54 PM



#90
Hexachloroethane
Concen: 34.354 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.6	48.0	144.0





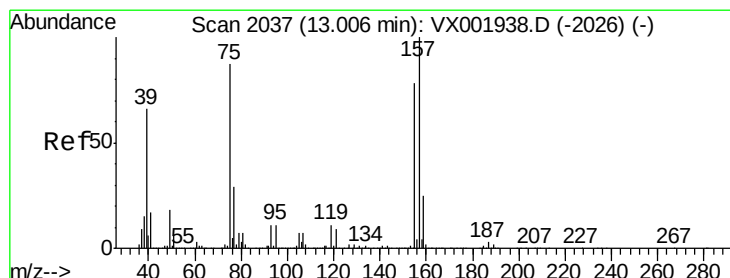
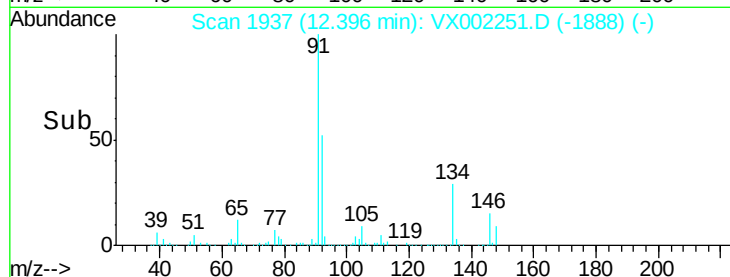
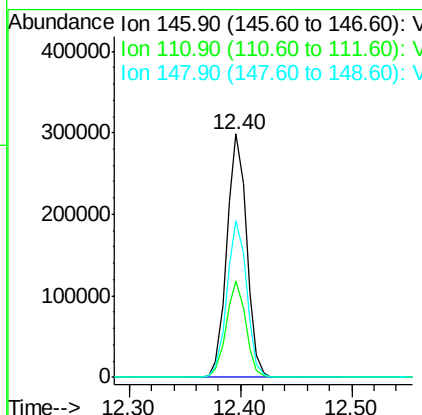
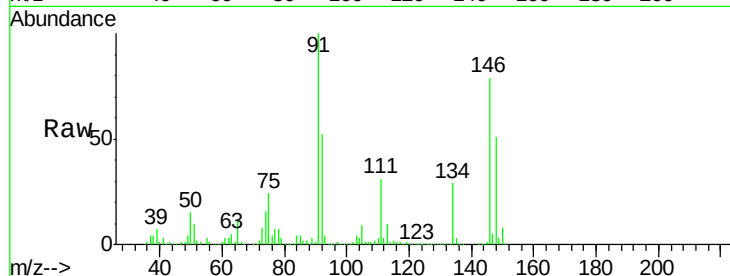
#91
 1,2-Dichlorobenzene
 Concen: 49.832 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX002251.D
 Acq: 02 Jun 2018 20:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.8	59.3
148	64.0	32.1	96.5

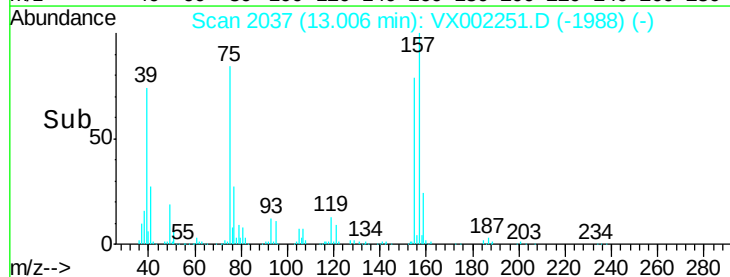
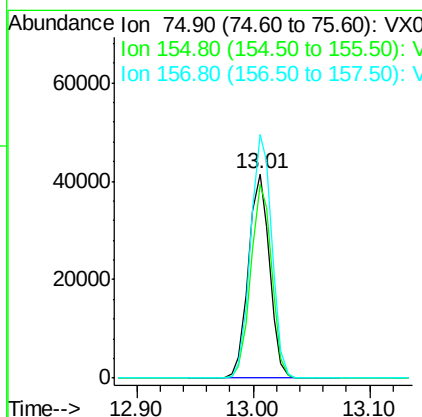
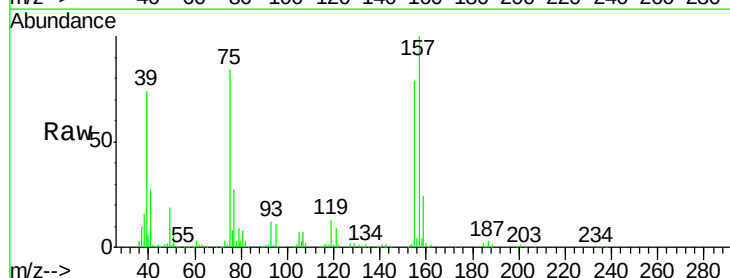
Manual Integrations
 APPROVED

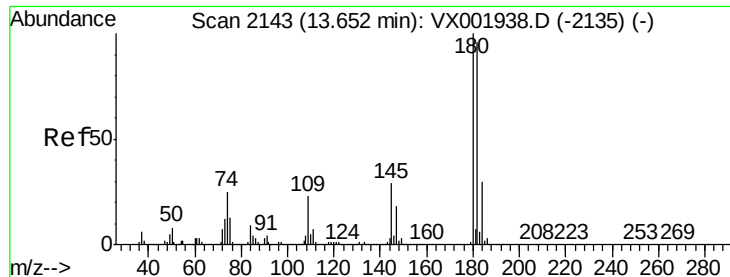
MMDadoda
 6/4/2018 2:31:54 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 39.126 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002251.D
 Acq: 02 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.6	45.1	135.2
157	119.6	58.1	174.2





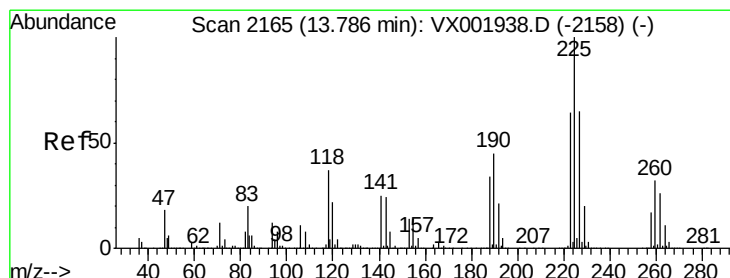
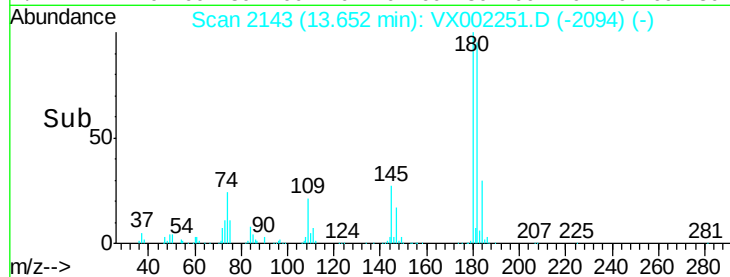
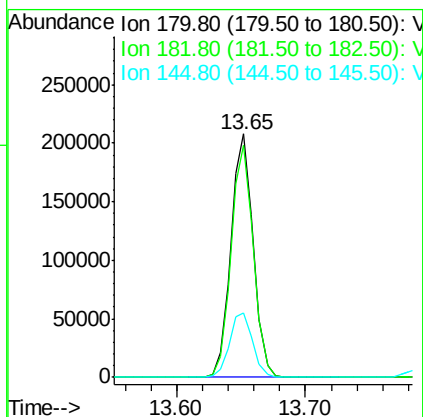
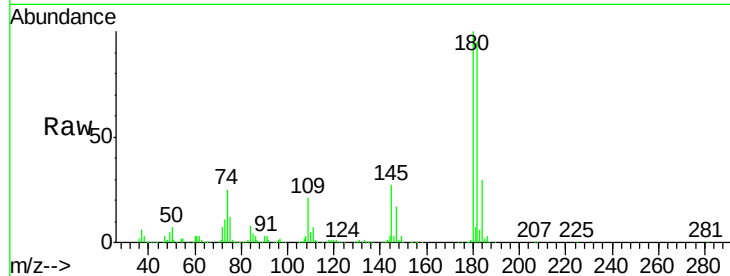
#93
 1,2,4-Trichlorobenzene
 Concen: 47.683 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002251.D
 Acq: 02 Jun 2018 20:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	250965		
182	95.6	47.7	143.1	
145	27.6	14.4	43.0	

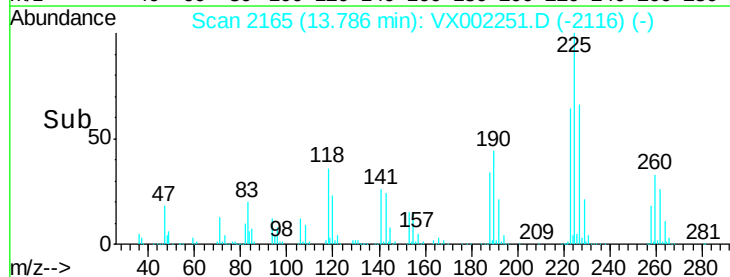
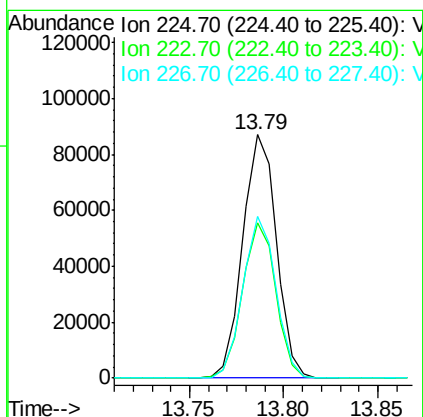
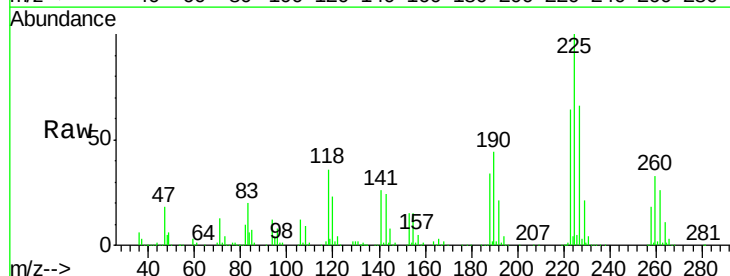
Manual Integrations
 APPROVED

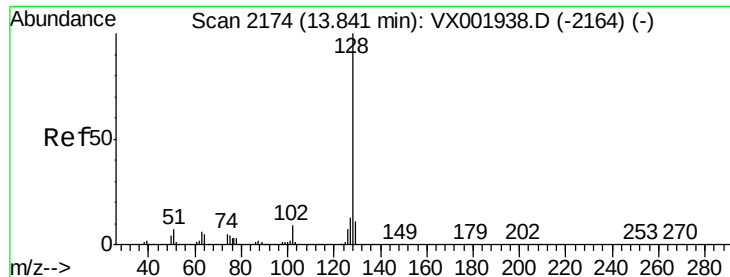
MMDadoda
 6/4/2018 2:31:54 PM



#94
 Hexachlorobutadiene
 Concen: 38.154 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002251.D
 Acq: 02 Jun 2018 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	108020		
223	62.7	31.1	93.5	
227	64.7	32.1	96.5	





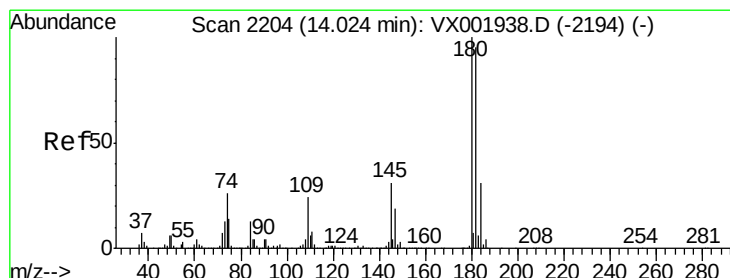
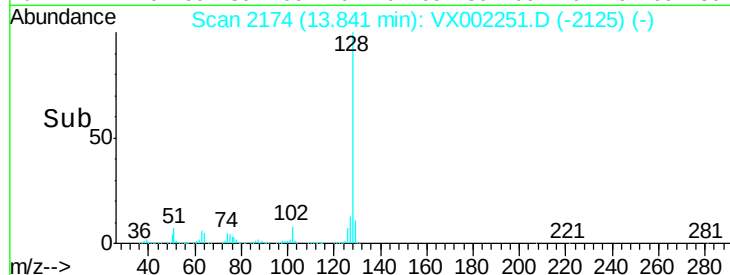
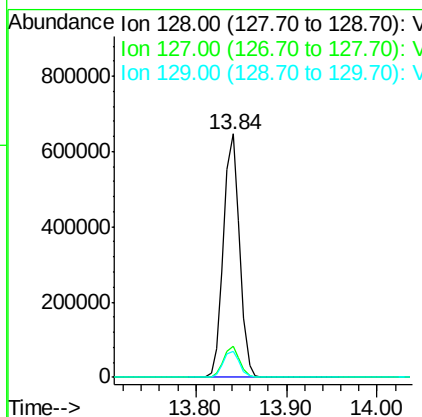
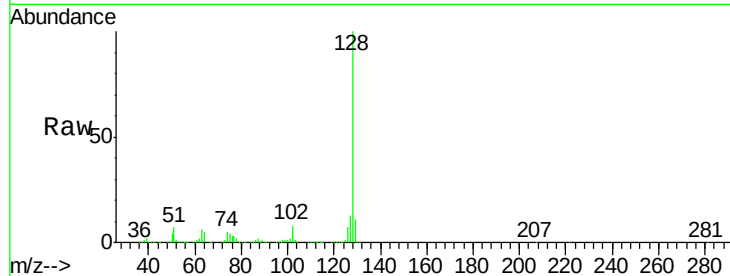
#95
Naphthalene
Concen: 49.245 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	798525		
127	12.8		10.4	15.6
129	10.8		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/4/2018 2:31:54 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.732 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX002251.D
Acq: 02 Jun 2018 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	265389		
182	95.7		47.9	143.6
145	29.7		15.1	45.3

