

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
 Data File : VX002036.D
 Acq On : 26 May 2018 22:59
 Operator : JC/MD
 Sample : J3118-13MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW354-180522MSD

Manual Integrations
 APPROVED

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 5/30/2018 1:50:11 PM

Quant Time: May 29 05:20:30 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	241971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	357687	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	335265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	225277	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	213680	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	5.51	113	167127	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	
50) Toluene-d8	8.72	98	603309	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
62) 4-Bromofluorobenzene	11.14	95	238307	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	131310	43.08	ug/l	100
3) Chloromethane	1.32	50	178270	47.88	ug/l	100
4) Vinyl Chloride	1.41	62	177075	49.26	ug/l	99
5) Bromomethane	1.64	94	98470	59.70	ug/l	98
6) Chloroethane	1.72	64	115254	54.39	ug/l	97
7) Trichlorofluoromethane	1.93	101	272235	50.43	ug/l	100
8) Diethyl Ether	2.19	74	112930	57.66	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	147841	49.08	ug/l	98
10) Methyl Iodide	2.51	142	214624	52.66	ug/l	100
11) Tert butyl alcohol	3.09	59	237190	279.37	ug/l	98
12) 1,1-Dichloroethene	2.37	96	144915	51.38	ug/l	98
13) Acrolein	2.30	56	77227	210.38	ug/l	98
14) Allyl chloride	2.73	41	313463	52.95	ug/l	99
15) Acrylonitrile	3.15	53	494345	283.15	ug/l	99
16) Acetone	2.45	43	458395	274.61	ug/l	100
17) Carbon Disulfide	2.57	76	389691	48.01	ug/l	99
18) Methyl Acetate	2.78	43	242556	60.56	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	644276	60.74	ug/l	99
20) Methylene Chloride	2.86	84	173799	60.48	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	156486	57.22	ug/l	97
22) Diisopropyl ether	3.88	45	618765	51.38	ug/l	99
23) Vinyl Acetate	3.83	43	2656078	266.03	ug/l	99
24) 1,1-Dichloroethane	3.70	63	304636	53.26	ug/l	99
25) 2-Butanone	4.71	43	736478	240.72	ug/l	100
26) 2,2-Dichloropropane	4.59	77	195688	33.80	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	209311	56.91	ug/l	91
28) Bromochloromethane	5.03	49	136482	57.07	ug/l	99
29) Tetrahydrofuran	5.17	42	488192	245.26	ug/l	100
30) Chloroform	5.22	83	318962	49.49	ug/l	99
31) Cyclohexane	5.58	56	252691	42.40	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	278200	46.30	ug/l	100
36) 1,1-Dichloropropene	5.81	75	215896	43.39	ug/l	99
37) Ethyl Acetate	4.87	43	282255	43.52	ug/l	100
38) Carbon Tetrachloride	5.79	117	249042	42.93	ug/l	98

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 APPROVED

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 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)
39) Methylcyclohexane	7.46	83	245311	40.13	ug/l	97
40) Benzene	6.15	78	683155	46.87	ug/l	99
41) Methacrylonitrile	5.07	41	167049	48.77	ug/l	99
42) 1,2-Dichloroethane	6.20	62	274662	47.17	ug/l	100
43) Isopropyl Acetate	6.47	43	498658	46.14	ug/l	99
44) Trichloroethene	7.22	130	208897	49.18	ug/l	97
45) 1,2-Dichloropropane	7.52	63	189492	47.87	ug/l	100
46) Dibromomethane	7.67	93	126257	48.17	ug/l	99
47) Bromodichloromethane	7.90	83	257619	46.10	ug/l	99
48) Methyl methacrylate	7.78	41	257522	46.82	ug/l	99
49) 1,4-Dioxane	7.76	88	87635	904.09	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	1584794	243.25	ug/l	99
52) Toluene	8.79	92	436401	47.05	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	289104	44.92	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	281760	44.93	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	183937	47.47	ug/l	99
56) Ethyl methacrylate	9.19	69	311641	46.75	ug/l	99
57) 1,3-Dichloropropane	9.38	76	308612	48.34	ug/l	99
59) 2-Hexanone	9.50	43	1208997	240.67	ug/l	100
60) Dibromochloromethane	9.59	129	213836	46.59	ug/l	99
61) 1,2-Dibromoethane	9.68	107	196538	48.33	ug/l	99
64) Tetrachloroethene	9.34	164	207660	43.20	ug/l	99
65) Chlorobenzene	10.14	112	501941	47.25	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	199001	46.40	ug/l	99
67) Ethyl Benzene	10.26	91	853614	46.25	ug/l	98
68) m/p-Xylenes	10.37	106	656617	93.07	ug/l	99
69) o-Xylene	10.70	106	326998	46.42	ug/l	100
70) Stvrene	10.72	104	522353	44.71	ug/l	100
71) Bromoform	10.86	173	182943	44.98	ug/l #	100
73) Isopropylbenzene	11.02	105	859284	45.04	ug/l	99
74) N-amyl acetate	6.47	43	498658	50.41	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	277402	53.25	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	288940m	53.40	ug/l	
77) Bromobenzene	11.26	156	239588	47.34	ug/l	97
78) n-propylbenzene	11.37	91	956012	44.75	ug/l	99
79) 2-Chlorotoluene	11.43	91	591097	50.45	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	732536	44.93	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	87875	39.03	ug/l	96
82) 4-Chlorotoluene	11.51	91	688018	45.66	ug/l	100
83) tert-Butylbenzene	11.77	119	719140	44.95	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	758066	45.00	ug/l	100
85) sec-Butylbenzene	11.95	105	843471	43.86	ug/l	99
86) p-Isopropyltoluene	12.07	119	760043	44.17	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	420602	46.40	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	426972	47.12	ug/l	99
89) n-Butylbenzene	12.39	91	632013	43.34	ug/l	99
90) Hexachloroethane	12.60	117	142698	42.04	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	434616	47.06	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	73105	43.10	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	305166	46.21	ug/l	100

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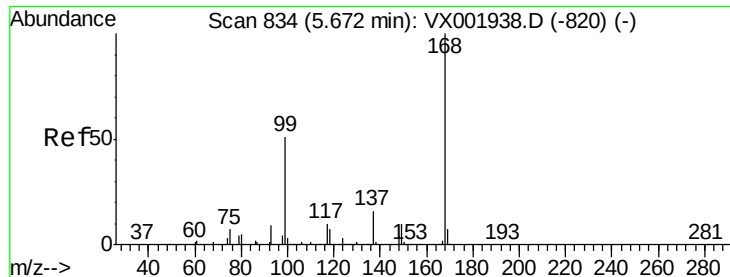
Manual Integrations
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5/30/2018 1:50:11 PM

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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	139878	39.38	ug/l	99
95) Naphthalene	13.84	128	955606	46.97	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	318623	46.63	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Instrument :

MSVOA_X

ClientSampleId :

SS052MW354-180522MSD

Tot Ion:168 Resp: 241971

Ion Ratio Lower Upper

168 100

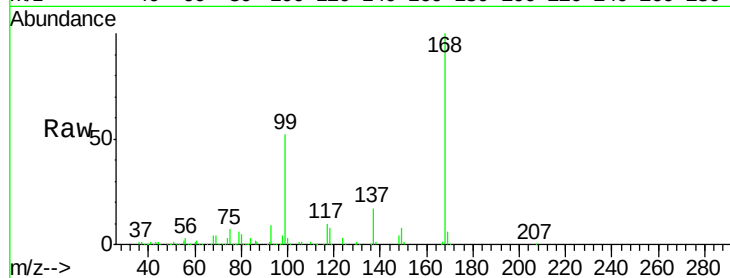
99 52.3 41.0 61.4

Manual Integrations

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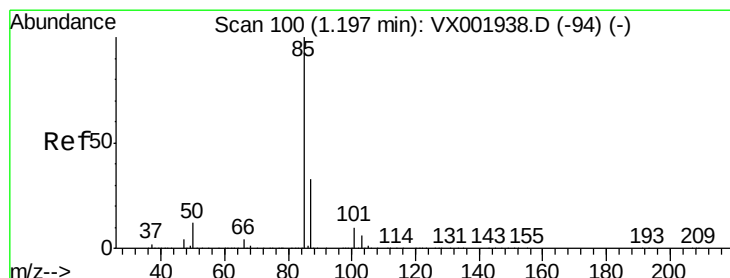
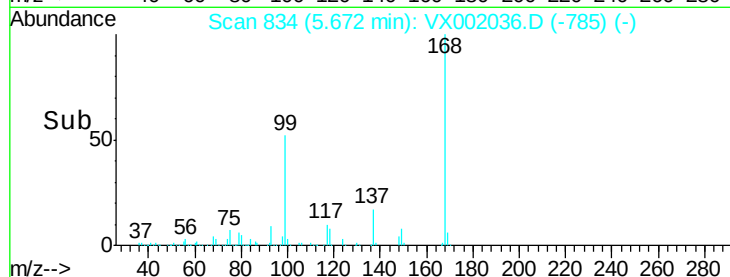
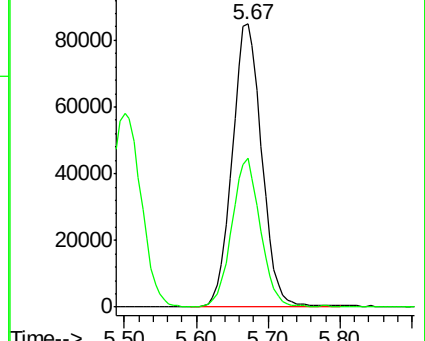
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 43.08 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002036.D

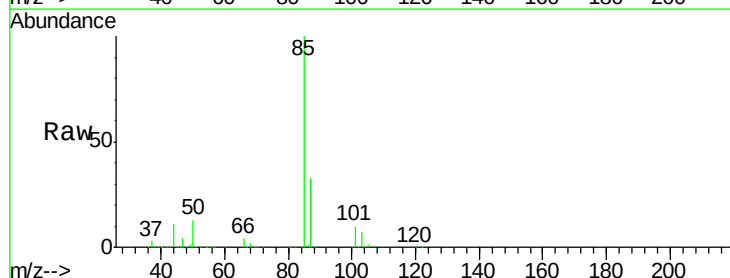
Acq: 26 May 2018 22:59

Tgt Ion: 85 Resp: 131310

Ion Ratio Lower Upper

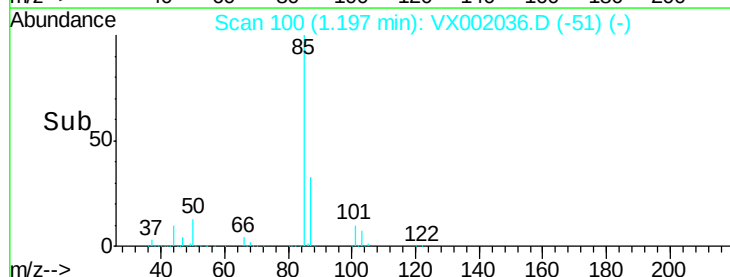
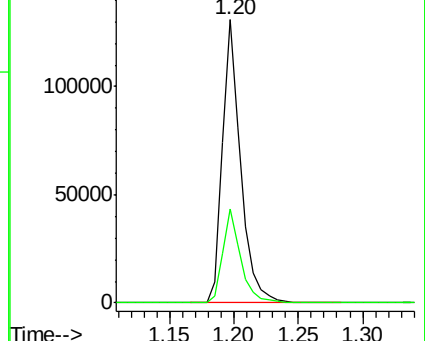
85 100

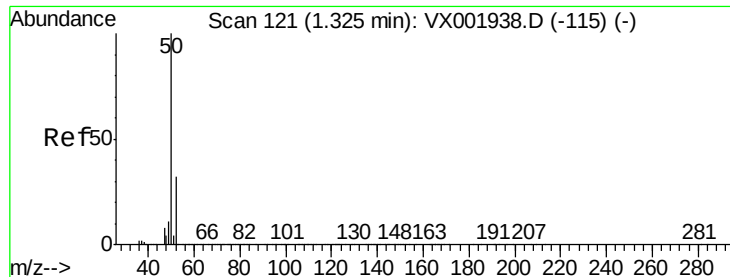
87 33.1 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 47.88 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Instrument :

MSVOA_X

ClientSampleId :

SS052MW354-180522MSD

Tot Ion: 50 Resp: 178270

Ion Ratio Lower Upper

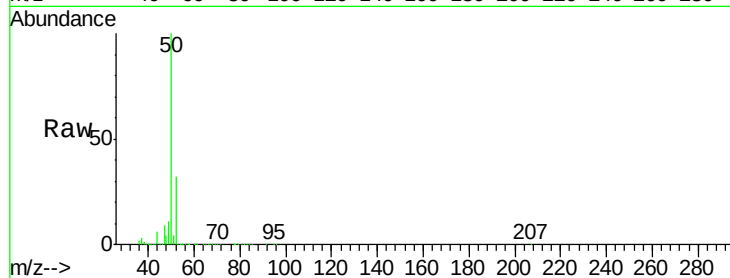
50 100

52 32.5 26.0 39.0

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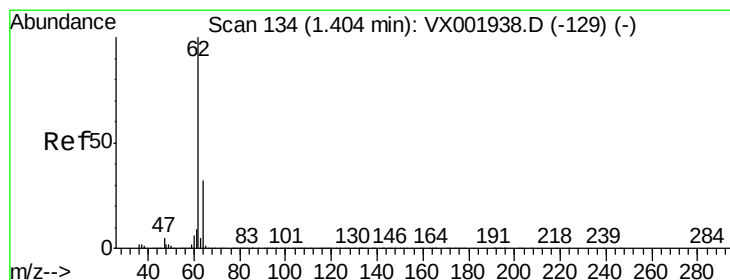
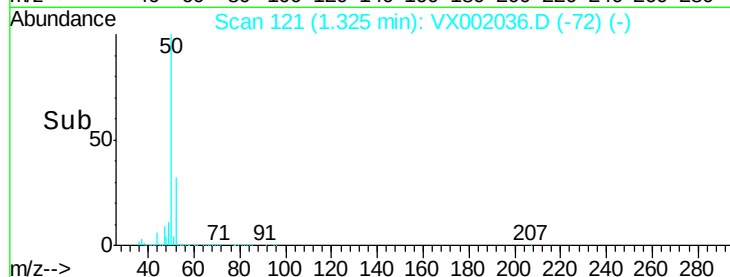
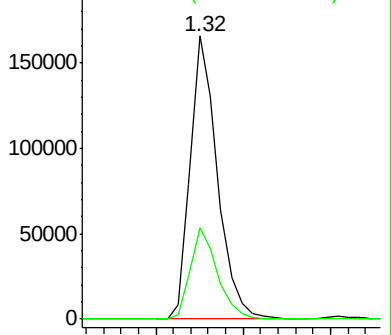
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.26 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002036.D

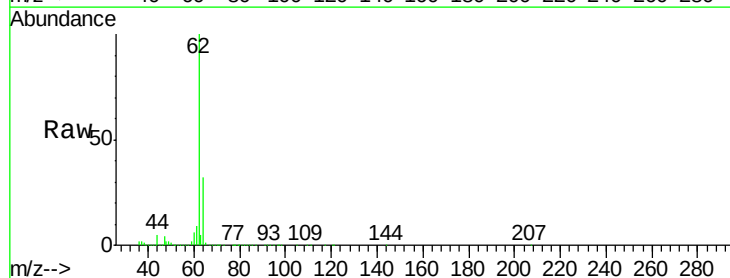
Acq: 26 May 2018 22:59

Tgt Ion: 62 Resp: 177075

Ion Ratio Lower Upper

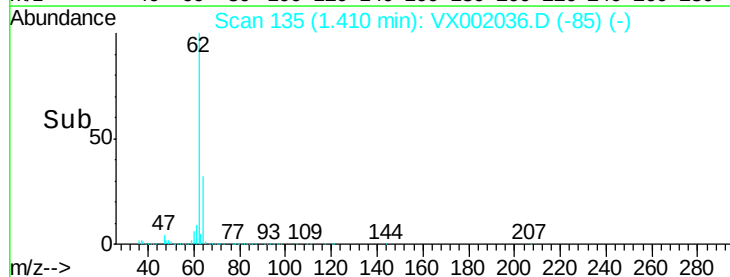
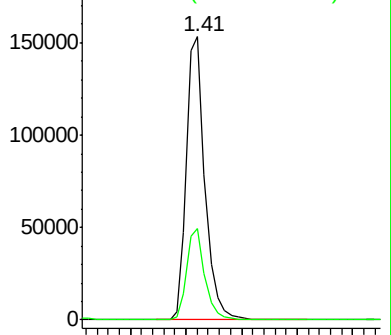
62 100

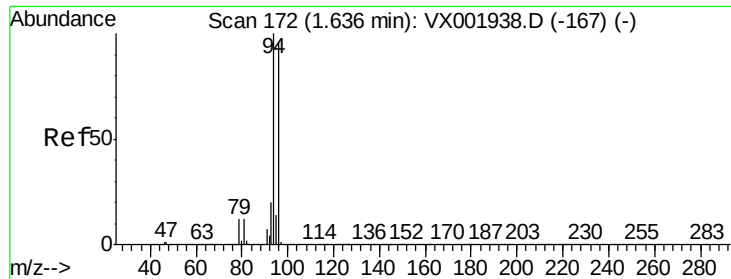
64 32.2 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 59.70 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Instrument :

MSVOA_X

ClientSampleId :

SS052MW354-180522MSD

Tot Ion: 94 Resp: 98470

Ion Ratio Lower Upper

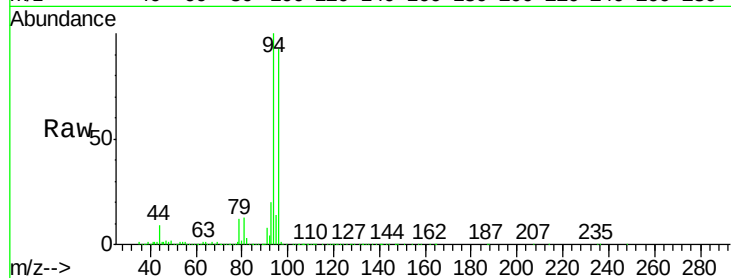
94 100

96 93.0 75.9 113.9

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

Ion 95.90 (95.60 to 96.60): VX0

100000

80000

60000

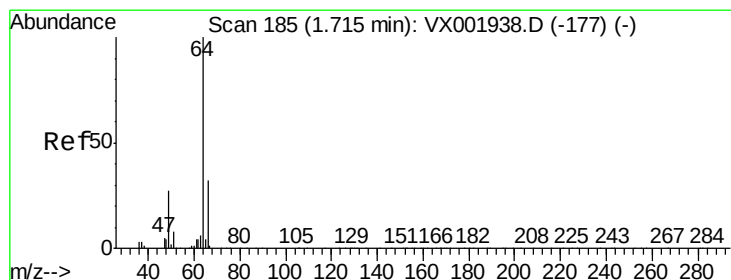
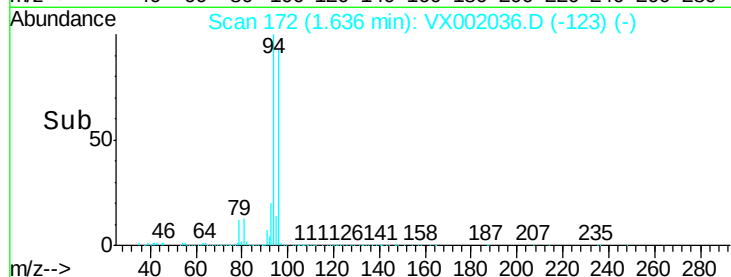
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 54.39 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX002036.D

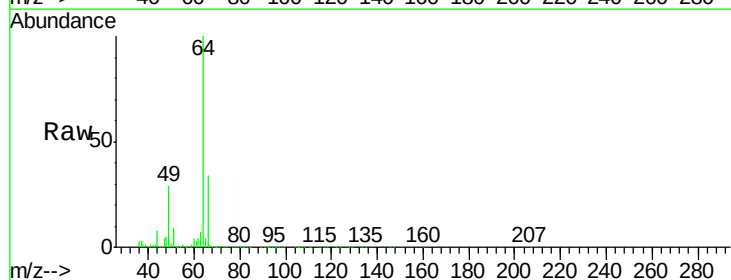
Acq: 26 May 2018 22:59

Tgt Ion: 64 Resp: 115254

Ion Ratio Lower Upper

64 100

66 33.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

80000

60000

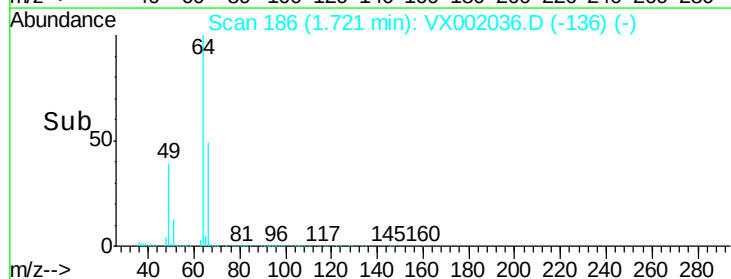
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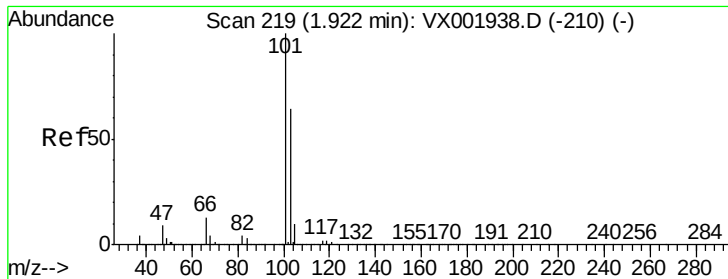
20000

0

1.60 1.70 1.80

Time-->





#7

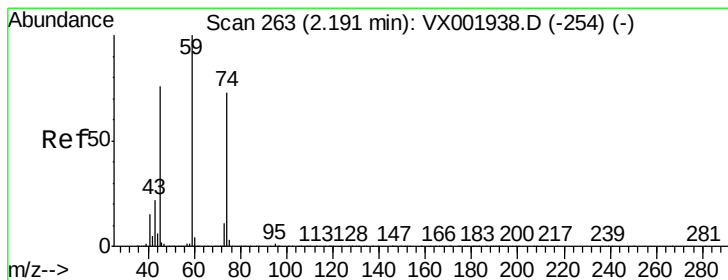
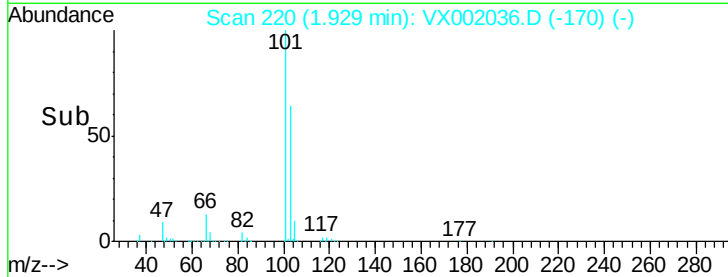
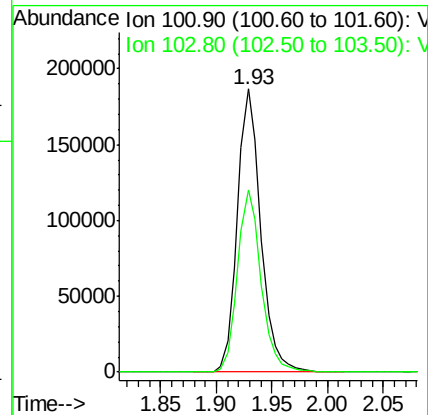
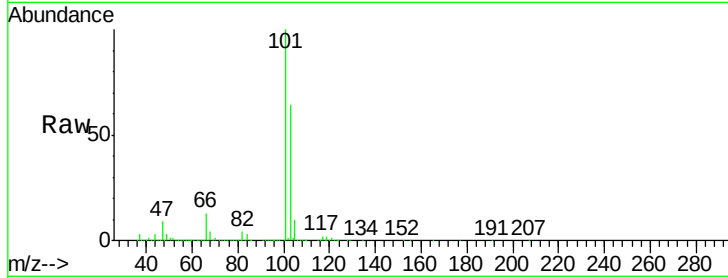
Trichlorofluoromethane
Concen: 50.43 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX002036.D
Acq: 26 May 2018 22:59

Instrument :
MSVOA_X
ClientSampleId :
SS052MW354-180522MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.4	77.0

Manual Integrations
APPROVED

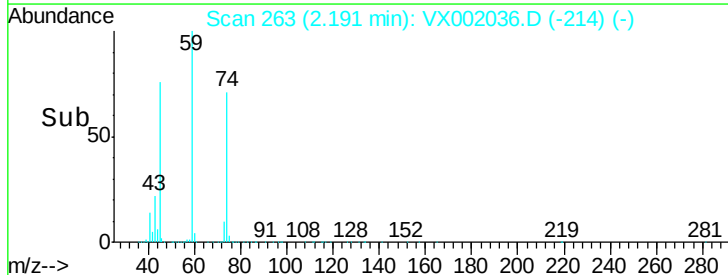
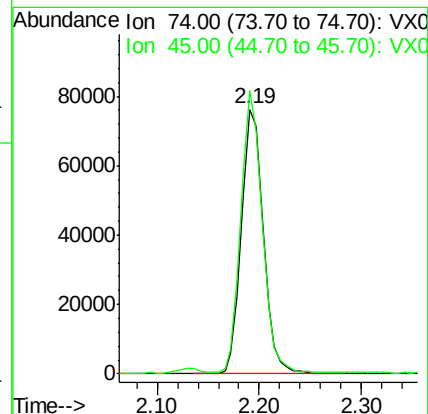
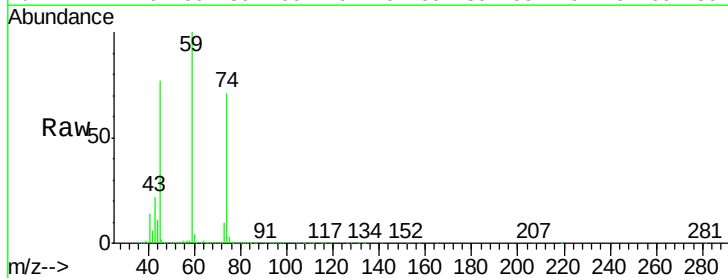
MMDadoda
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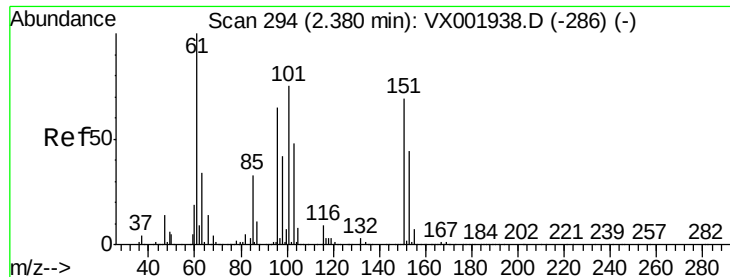


#8

Diethyl Ether
Concen: 57.66 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002036.D
Acq: 26 May 2018 22:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.7	51.5	154.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.08 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Instrument :

MSVOA_X

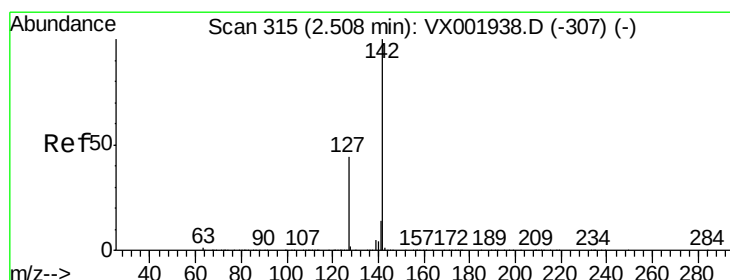
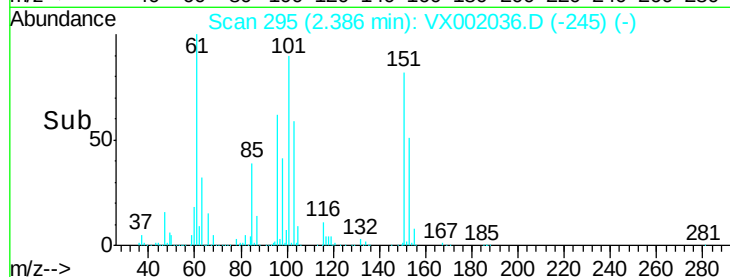
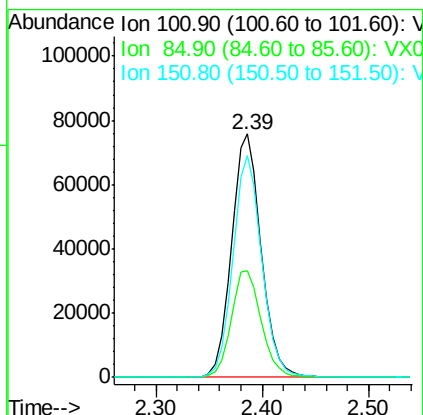
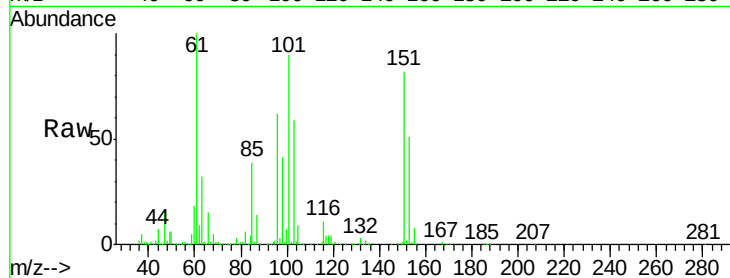
ClientSampleId :

SS052MW354-180522MSD

Tot Ion:	101	Resp:	147841
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.6	53.4
151	88.9	73.2	109.8

Manual Integrations
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MMDadoda
5/30/2018 1:50:11 PM



#10

Methyl Iodide

Concen: 52.66 ug/l

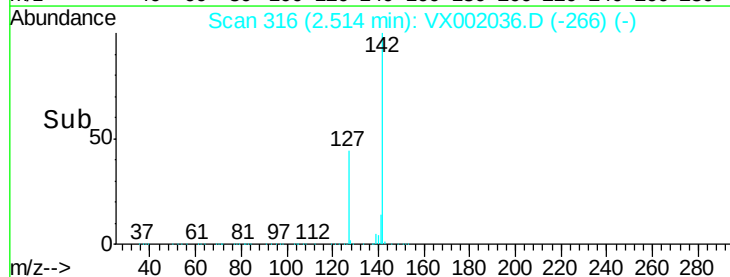
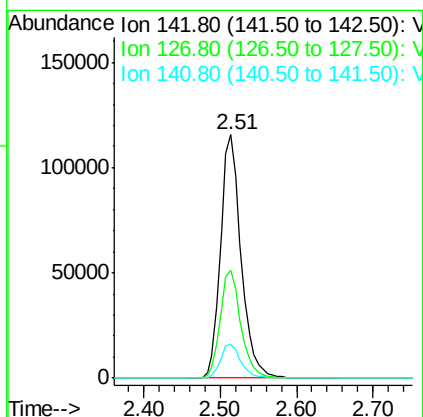
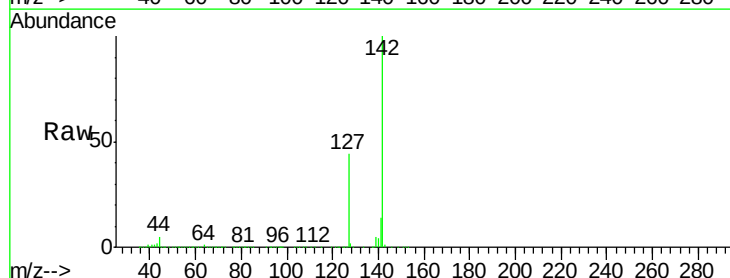
RT: 2.51 min Scan# 316

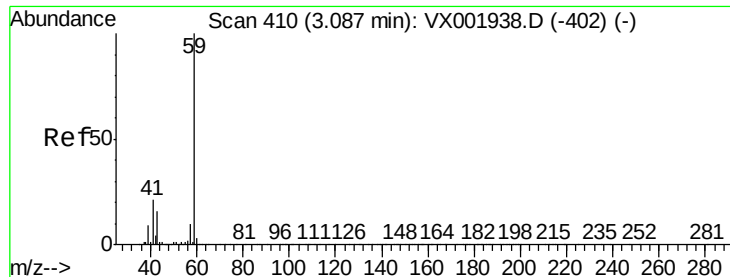
Delta R.T. 0.01 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Tgt Ion:	142	Resp:	214624
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.5	53.3
141	14.3	11.3	16.9





#11

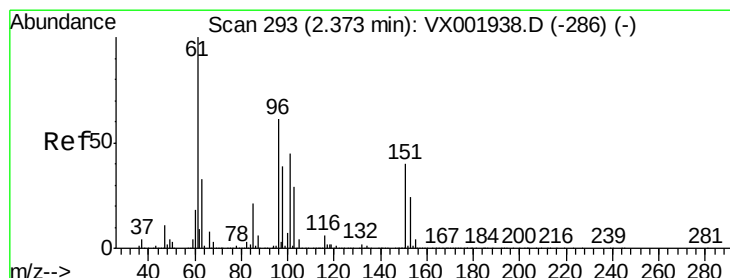
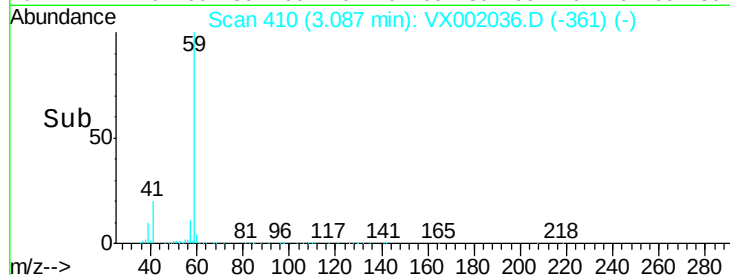
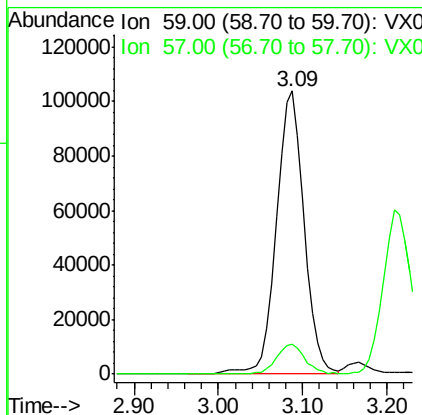
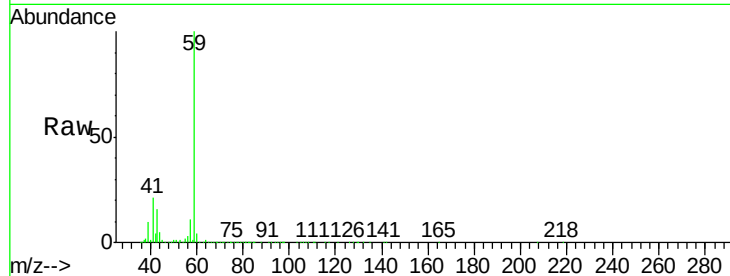
Tert butyl alcohol
Concen: 279.37 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.00 min
Lab File: VX002036.D
Acq: 26 May 2018 22:59

Instrument :
MSVOA_X
ClientSampleId :
SS052MW354-180522MSD

Tot Ion	Ratio	Resp	Lower	Upper
59	100	237190		
57	10.2		8.9	13.3

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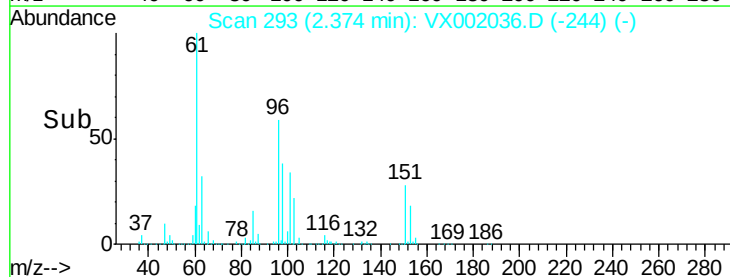
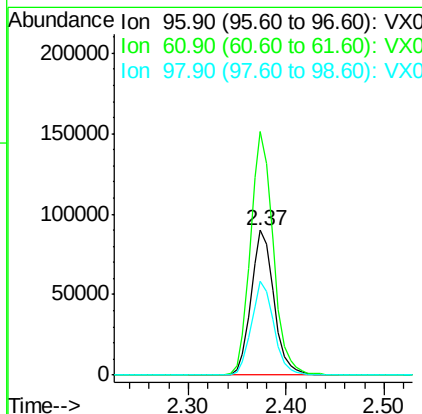
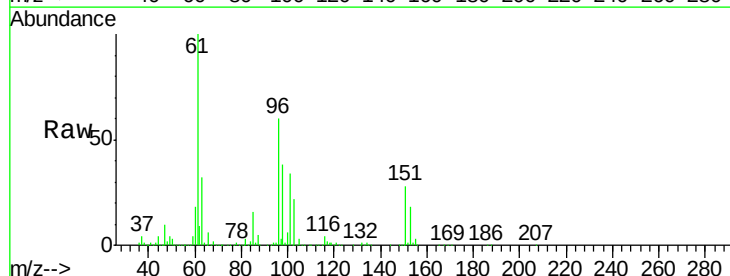
MMDadoda
5/30/2018 1:50:11 PM

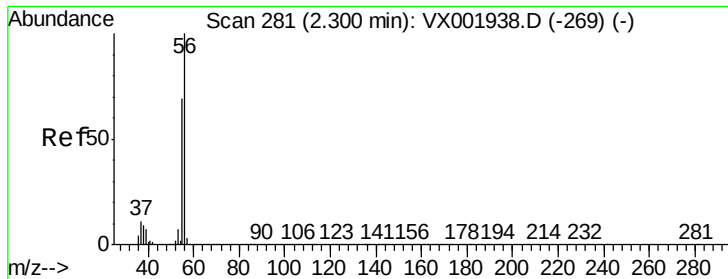


#12

1,1-Dichloroethene
Concen: 51.38 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX002036.D
Acq: 26 May 2018 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	144915		
61	168.1		131.7	197.5
98	64.6		51.6	77.4





#13

Acrolein

Concen: 210.38 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Instrument :

MSVOA_X

ClientSampleId :

SS052MW354-180522MSD

Tot Ion: 56 Resp: 77227

Ion Ratio Lower Upper

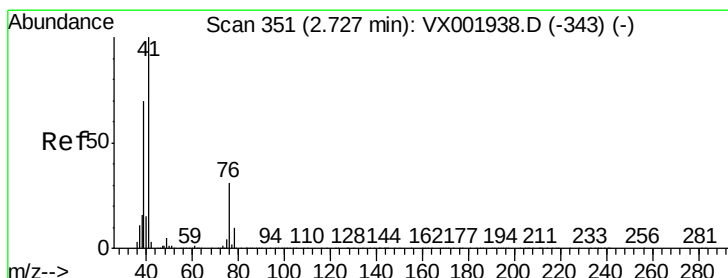
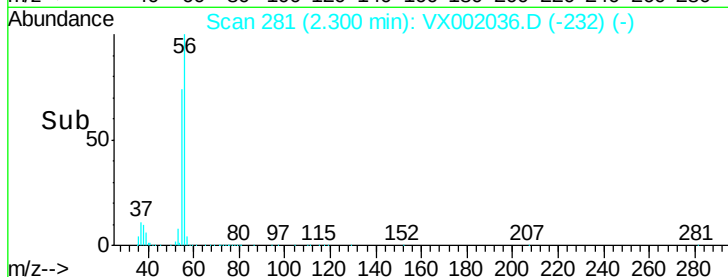
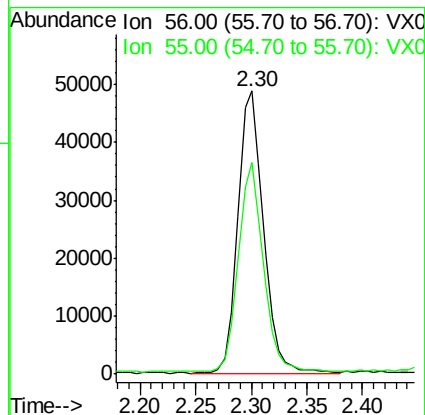
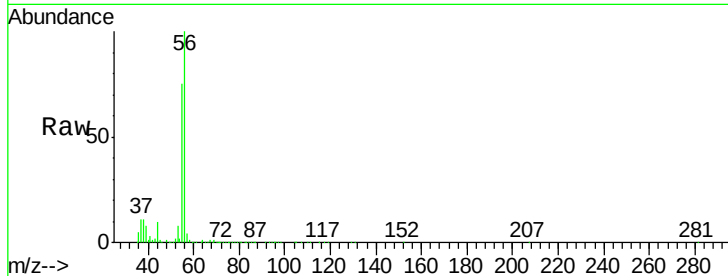
56 100

55 72.5 56.8 85.2

Manual Integrations
APPROVED

MMDadoda

5/30/2018 1:50:11 PM



#14

Allyl chloride

Concen: 52.95 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

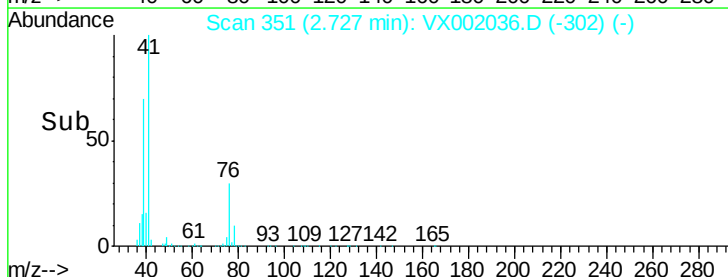
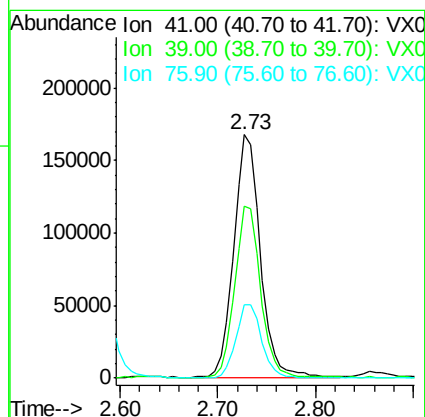
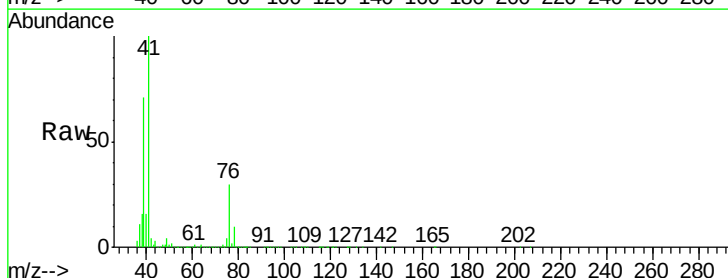
Tgt Ion: 41 Resp: 313463

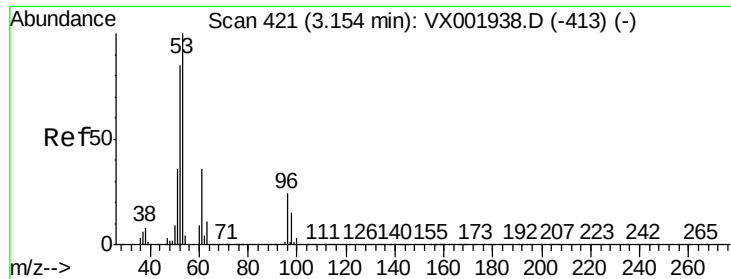
Ion Ratio Lower Upper

41 100

39 68.4 54.3 81.5

76 29.7 24.2 36.4





#15

Acrylonitrile

Concen: 283.15 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Instrument :

MSVOA_X

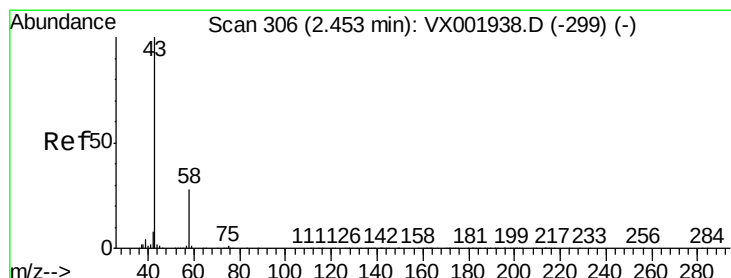
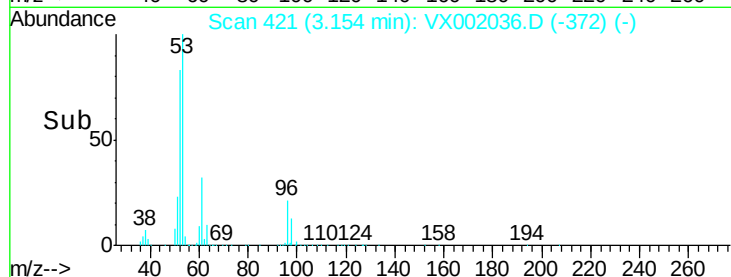
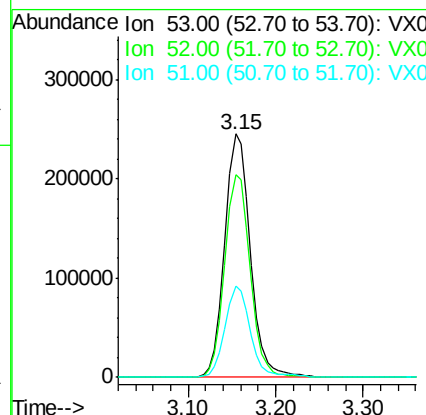
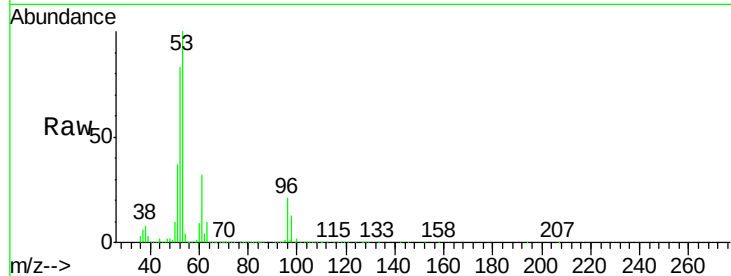
ClientSampleId :

SS052MW354-180522MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
53	53	100	494345		
52	52	83.7		66.4	99.6
51	51	37.3		29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 274.61 ug/l

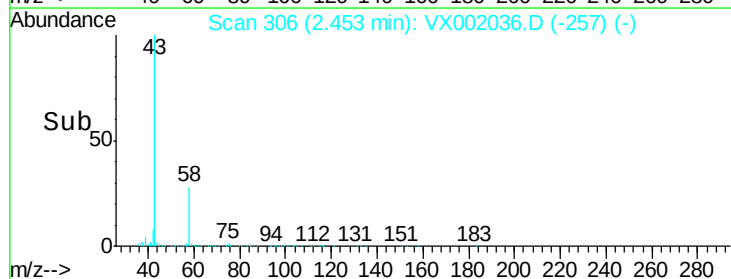
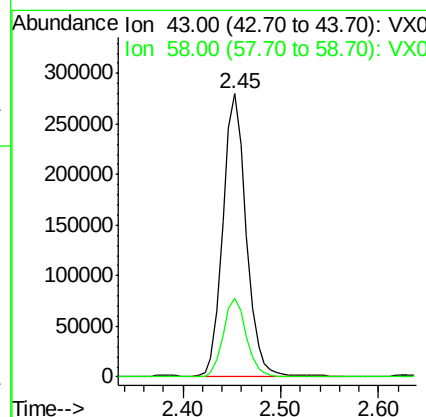
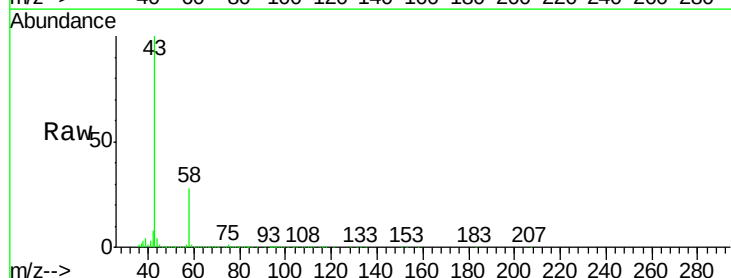
RT: 2.45 min Scan# 306

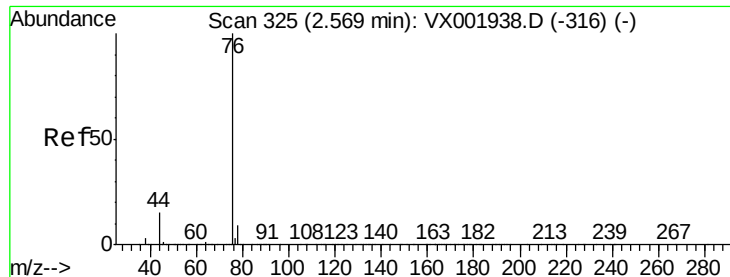
Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	43	100	458395		
58	58	27.9		22.3	33.5





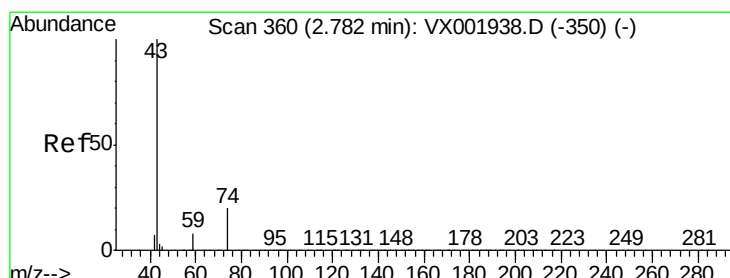
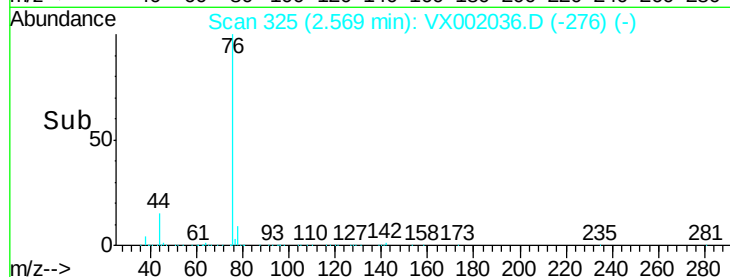
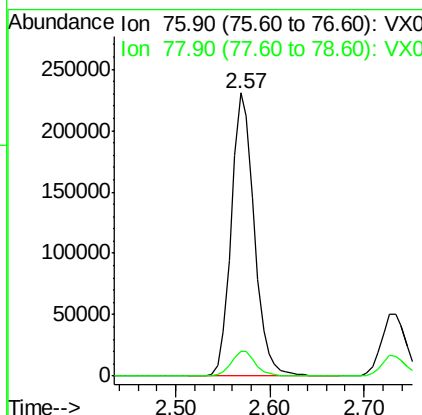
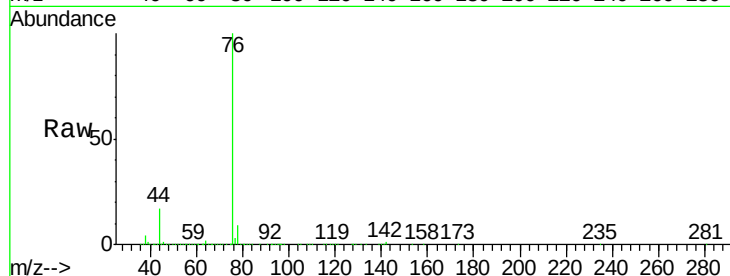
#17
Carbon Disulfide
Concen: 48.01 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX002036.D
Acq: 26 May 2018 22:59

Instrument :
MSVOA_X
ClientSampleId :
SS052MW354-180522MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

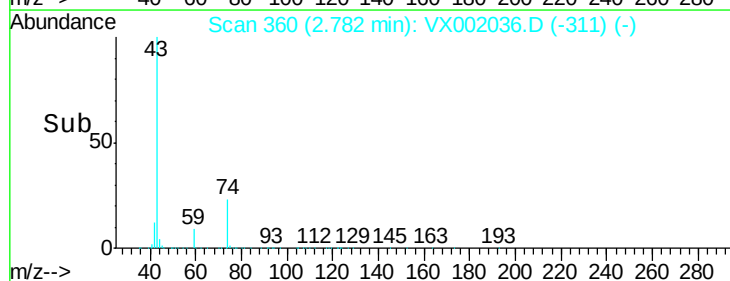
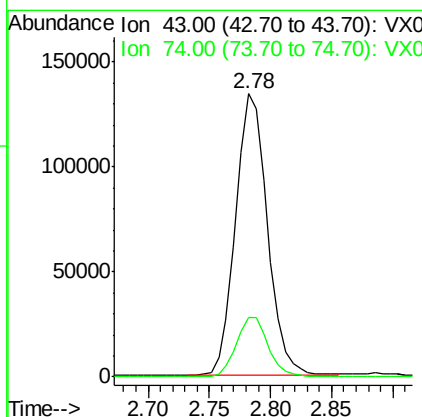
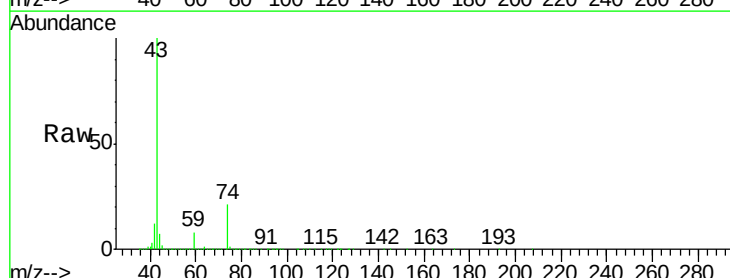
Manual Integrations
APPROVED

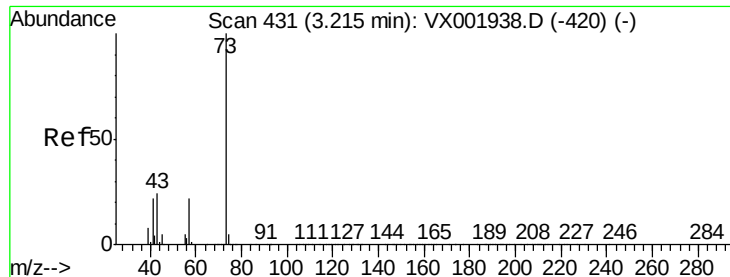
MMDadoda
5/30/2018 1:50:11 PM



#18
Methyl Acetate
Concen: 60.56 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002036.D
Acq: 26 May 2018 22:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	16.8	25.2





#19

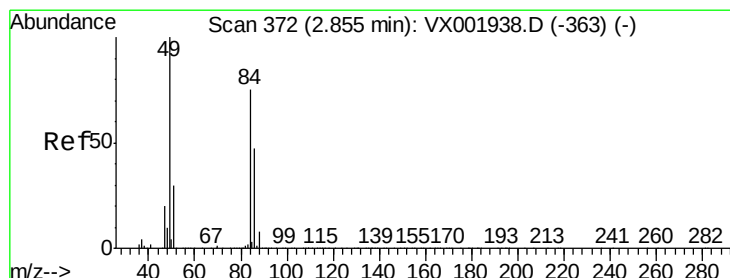
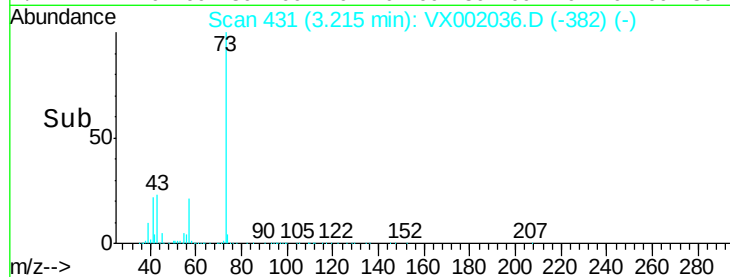
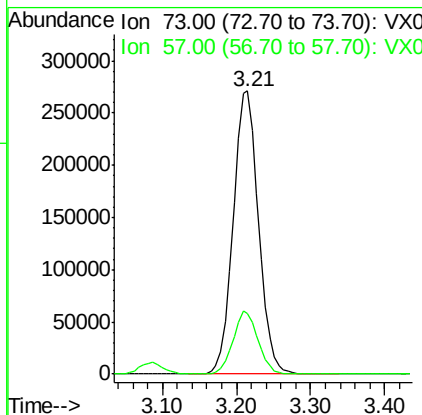
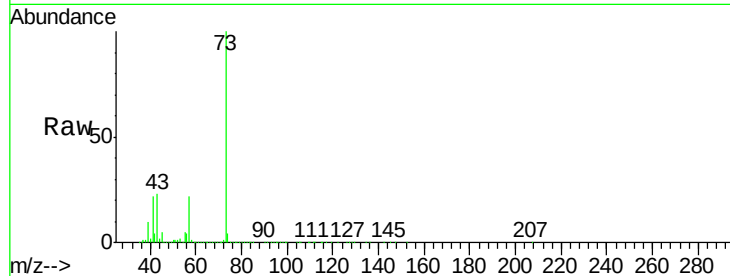
Methyl tert-butyl Ether
 Concen: 60.74 ug/l
 RT: 3.21 min Scan# 431
 Delta R.T. 0.00 min
 Lab File: VX002036.D
 Acq: 26 May 2018 22:59

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW354-180522MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.4	26.0

Manual Integrations
 APPROVED

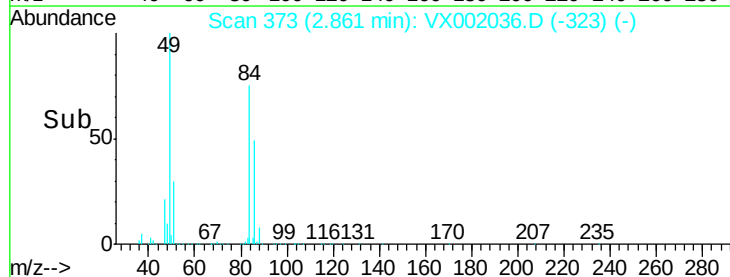
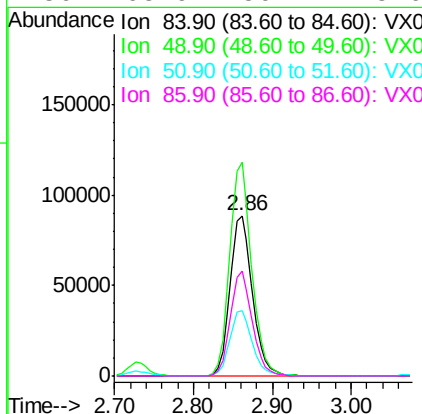
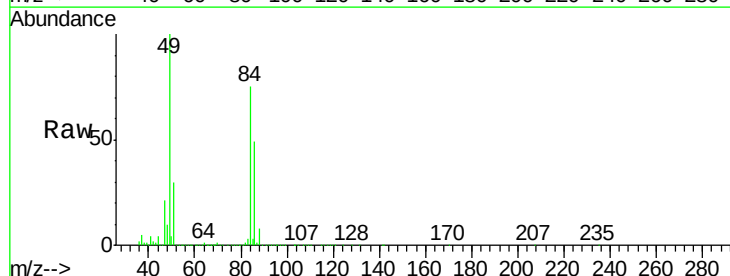
MMDadoda
 5/30/2018 1:50:11 PM

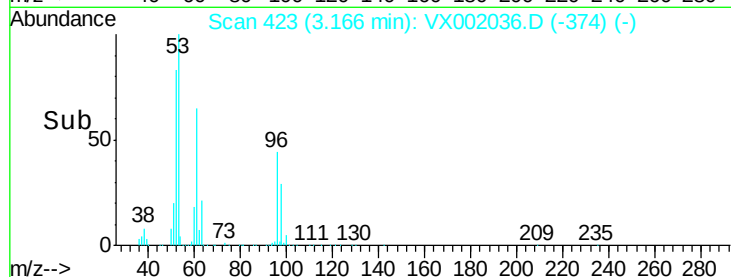
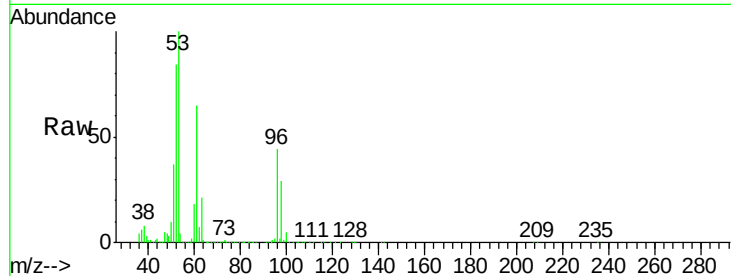
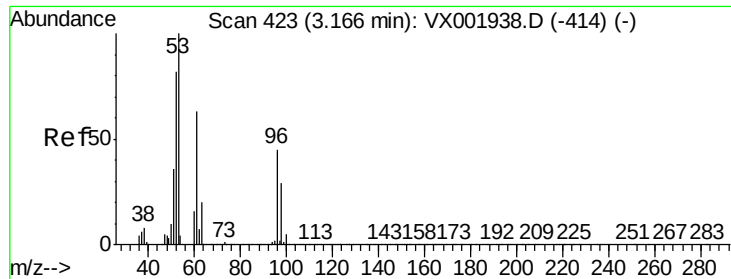


#20

Methylene Chloride
 Concen: 60.48 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.01 min
 Lab File: VX002036.D
 Acq: 26 May 2018 22:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.2	107.2	160.8
51	40.4	32.4	48.6
86	65.9	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 57.22 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Tot Ion:	96	Resp:	156486
Ion	Ratio	Lower	Upper
96	100		
61	146.4	113.3	169.9
98	64.9	51.7	77.5

Instrument :

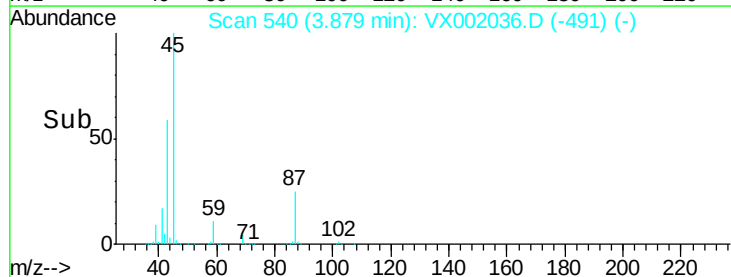
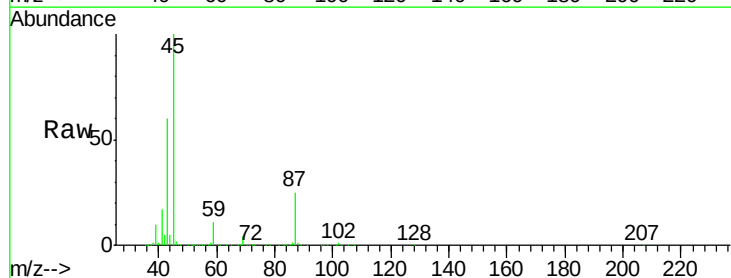
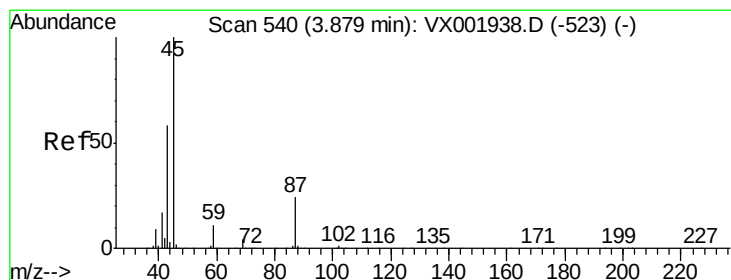
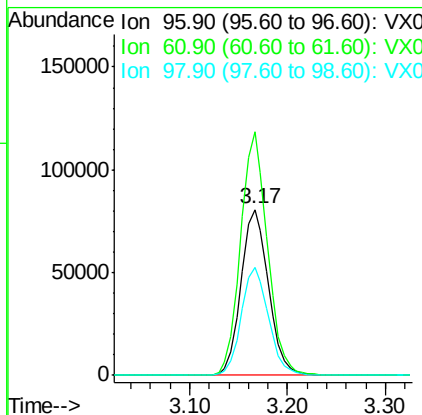
MSVOA_X

ClientSampleId :

SS052MW354-180522MSD

Manual Integrations
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5/30/2018 1:50:11 PM



#22

Diisopropyl ether

Concen: 51.38 ug/l

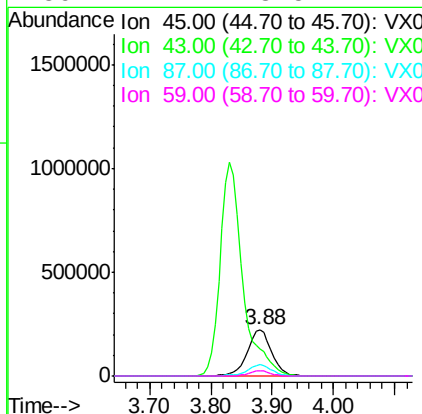
RT: 3.88 min Scan# 540

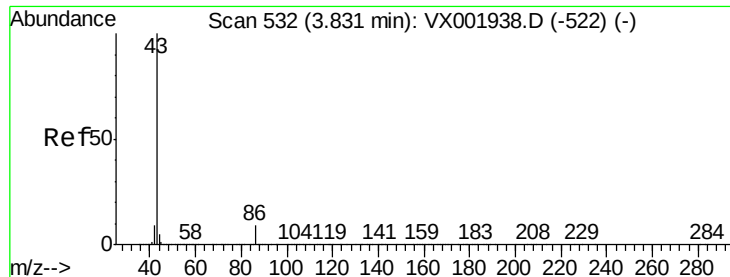
Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Tgt Ion:	45	Resp:	618765
Ion	Ratio	Lower	Upper
45	100		
43	59.6	47.0	70.6
87	24.8	19.4	29.0
59	11.2	8.5	12.7





#23

Vinyl Acetate

Concen: 266.03 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Instrument :

MSVOA_X

ClientSampleId :

SS052MW354-180522MSD

Tot Ion: 43 Resp: 2656078

Ion Ratio Lower Upper

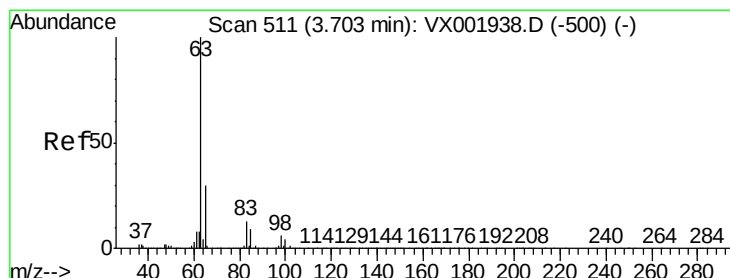
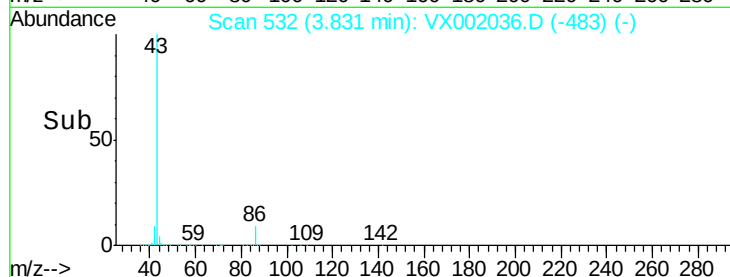
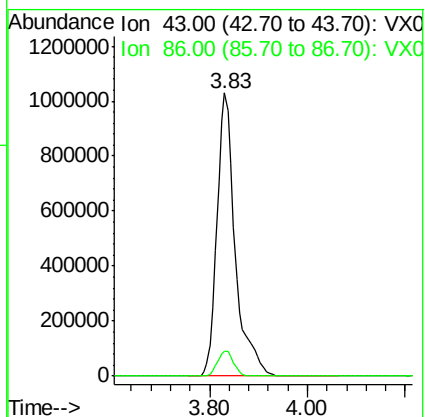
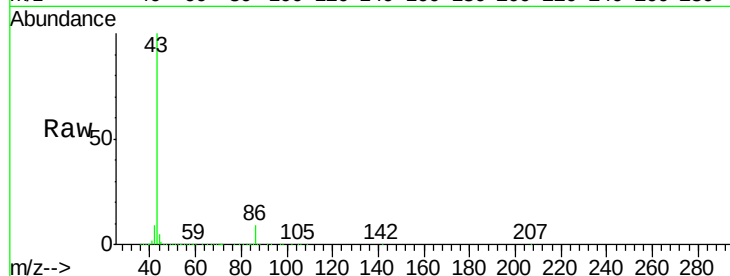
43 100

86 9.0 7.6 11.4

Manual Integrations
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5/30/2018 1:50:11 PM



#24

1,1-Dichloroethane

Concen: 53.26 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

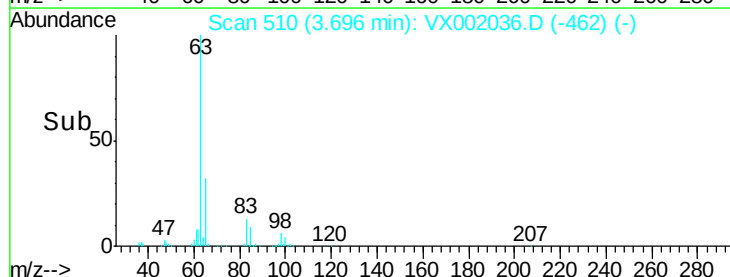
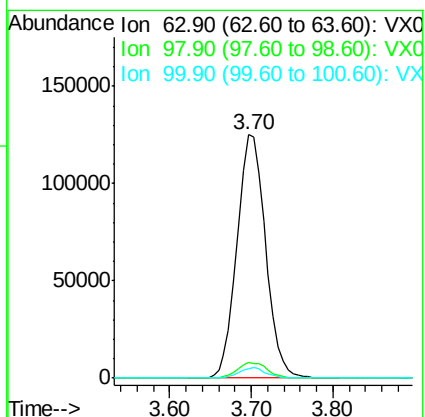
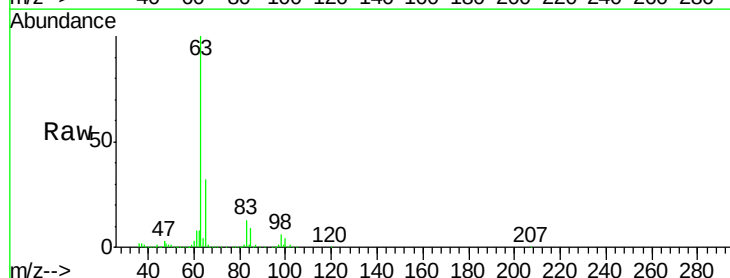
Tgt Ion: 63 Resp: 304636

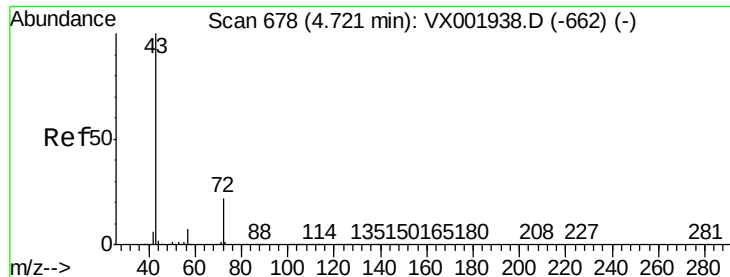
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 3.8 2.1 6.5





#25

2-Butanone

Concen: 240.72 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Instrument :

MSVOA_X

ClientSampleId :

SS052MW354-180522MSD

Tot Ion: 43 Resp: 736478

Ion Ratio Lower Upper

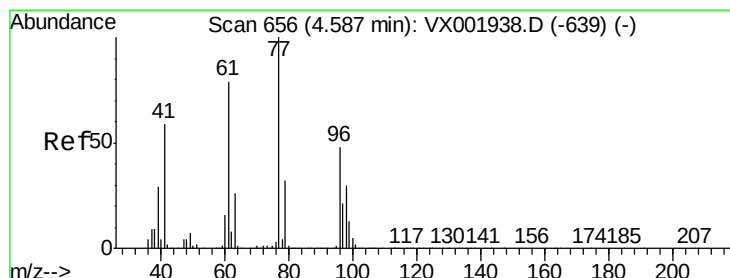
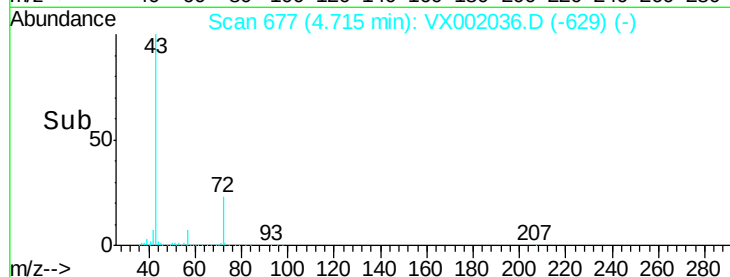
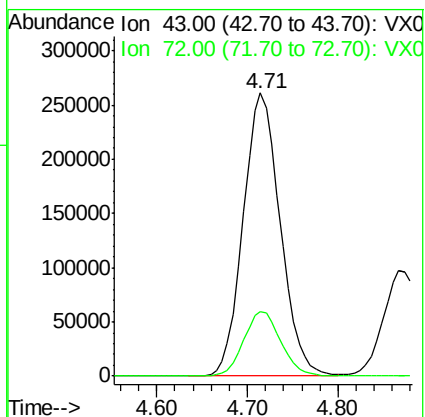
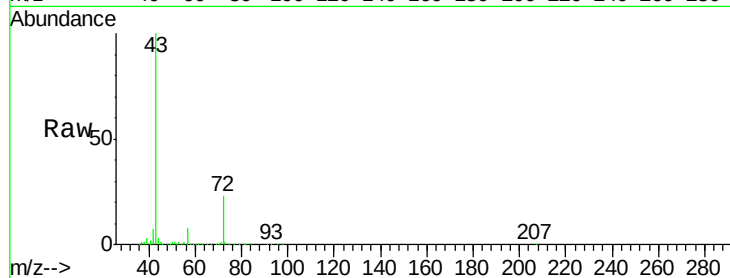
43 100

72 22.6 17.9 26.9

Manual Integrations
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5/30/2018 1:50:11 PM



#26

2,2-Dichloropropane

Concen: 33.80 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX002036.D

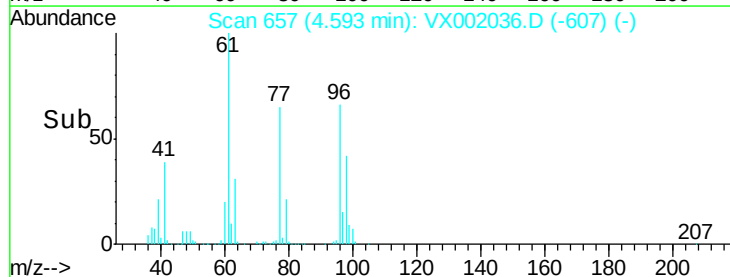
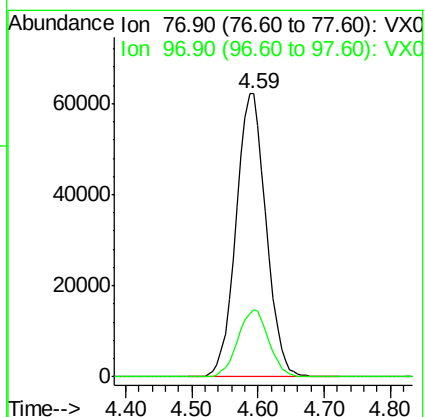
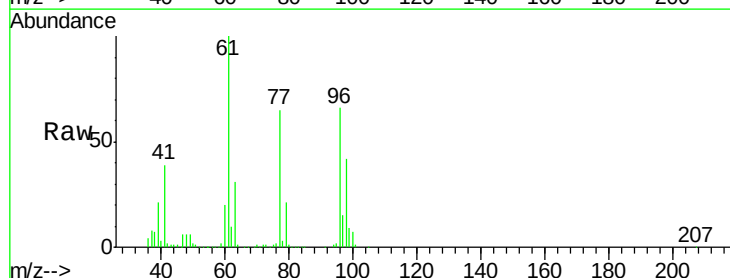
Acq: 26 May 2018 22:59

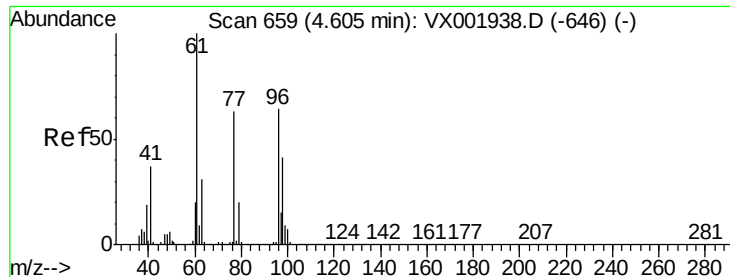
Tgt Ion: 77 Resp: 195688

Ion Ratio Lower Upper

77 100

97 24.4 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 56.91 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Instrument :

MSVOA_X

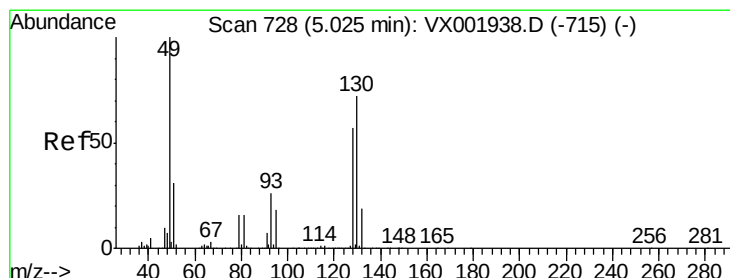
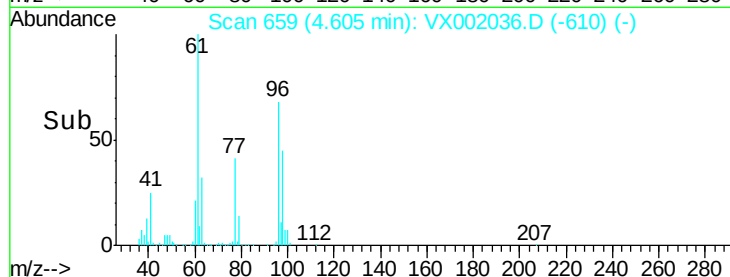
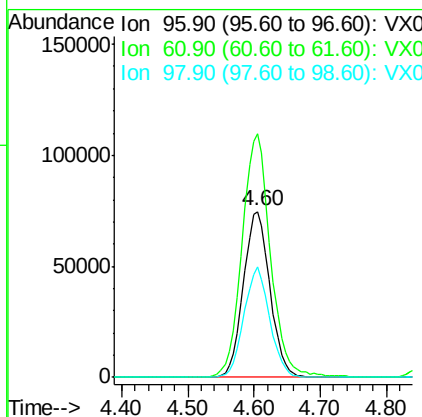
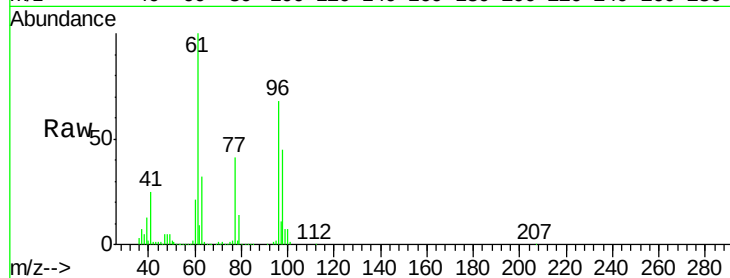
ClientSampleId :

SS052MW354-180522MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	157.1	0.0	348.4		
98	64.3	0.0	128.6		

Manual Integrations
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MMDadoda
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#28

Bromochloromethane

Concen: 57.07 ug/l

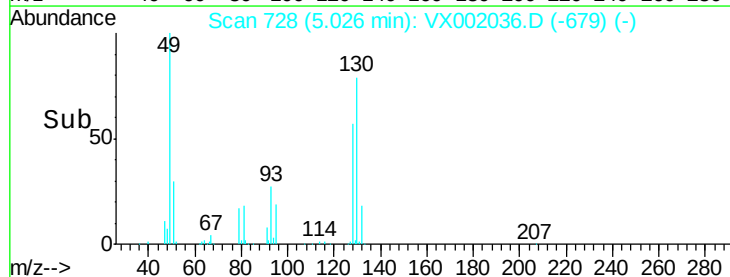
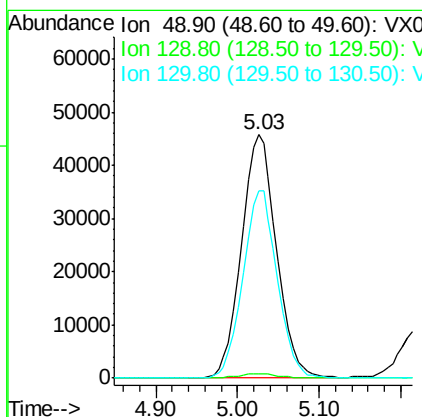
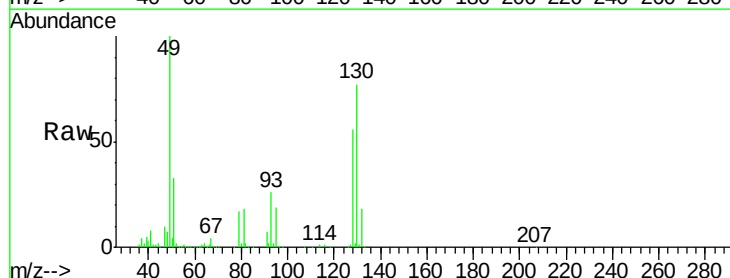
RT: 5.03 min Scan# 728

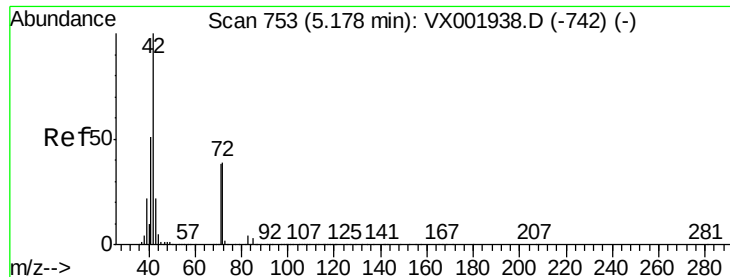
Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	2.0	0.0	3.8		
130	75.4	59.4	89.2		





#29

Tetrahydrofuran

Concen: 245.26 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.01 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Instrument :

MSVOA_X

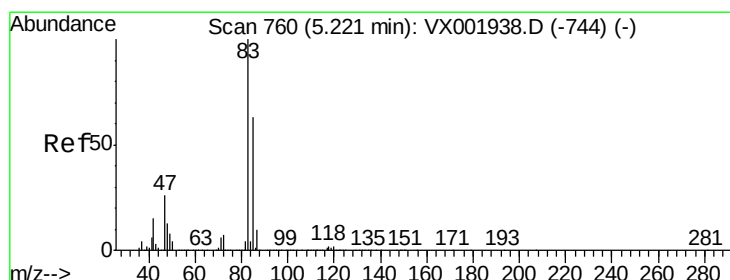
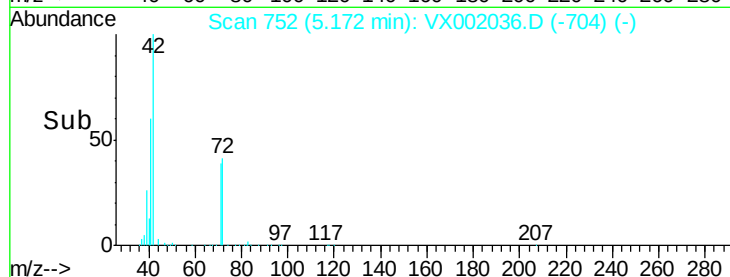
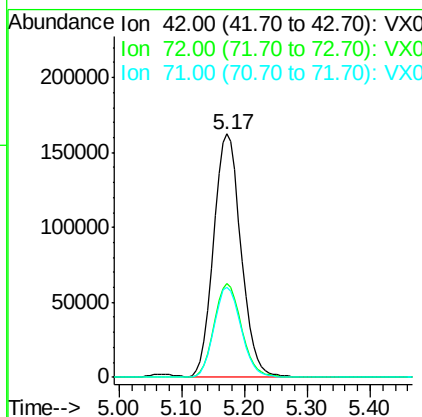
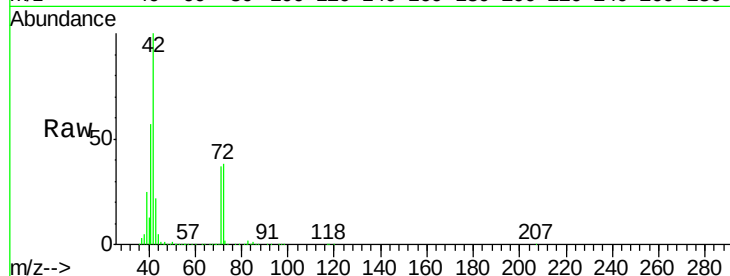
ClientSampleId :

SS052MW354-180522MSD

Tot Ion:	42	Resp:	488192
Ion Ratio		Lower	Upper
42	100		
72	38.9	31.4	47.0
71	37.0	29.5	44.3

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#30

Chloroform

Concen: 49.49 ug/l

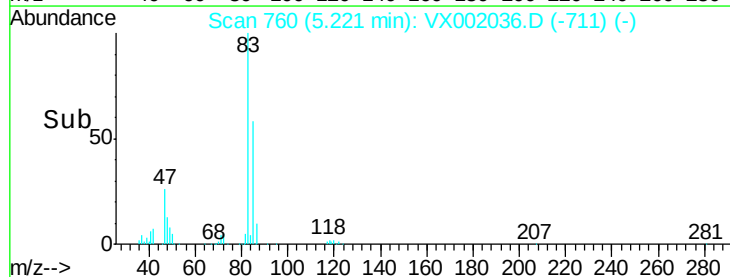
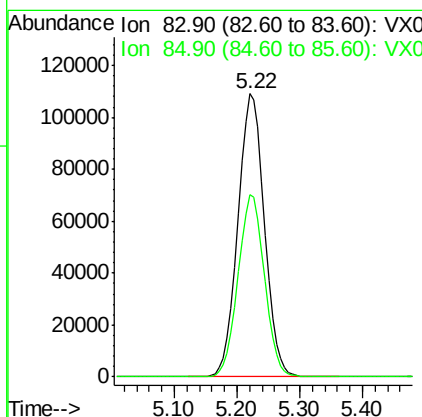
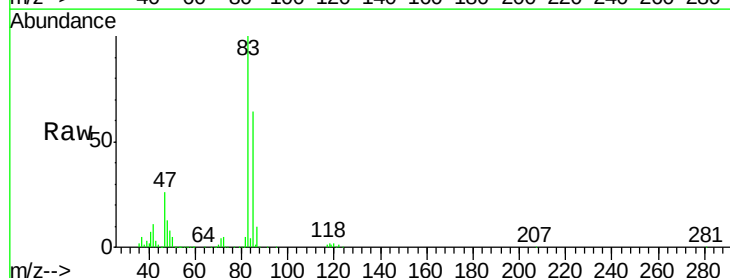
RT: 5.22 min Scan# 760

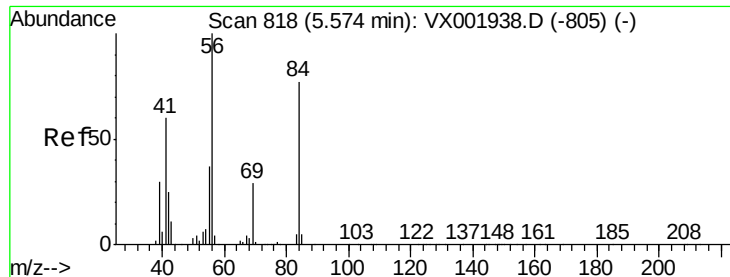
Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Tgt Ion:	83	Resp:	318962
Ion Ratio		Lower	Upper
83	100		
85	64.3	50.9	76.3





#31

Cyclohexane

Concen: 42.40 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Instrument :

MSVOA_X

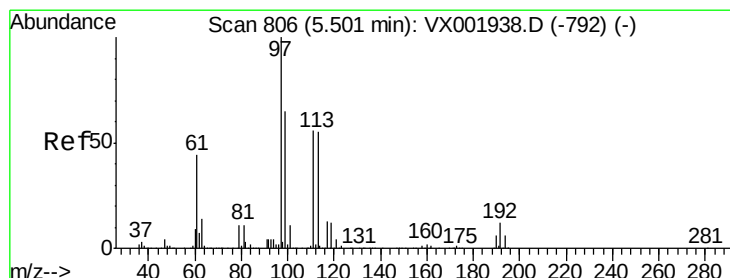
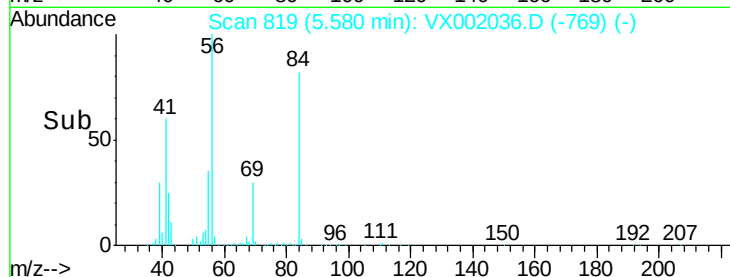
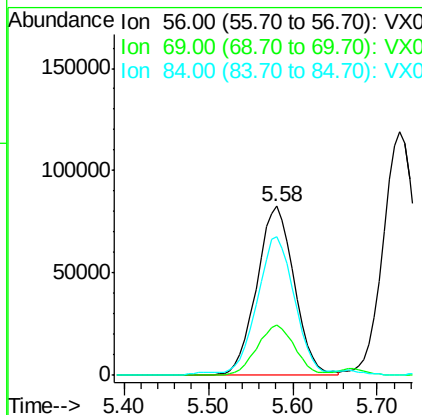
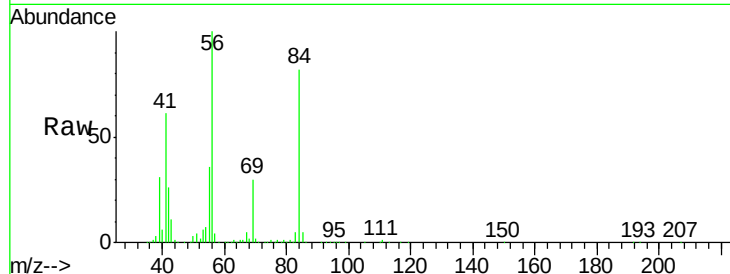
ClientSampleId :

SS052MW354-180522MSD

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	29.8	23.1	34.7	
84	80.8	62.0	93.0	

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.30 ug/l

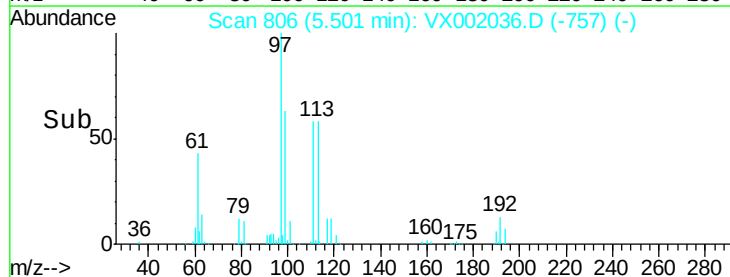
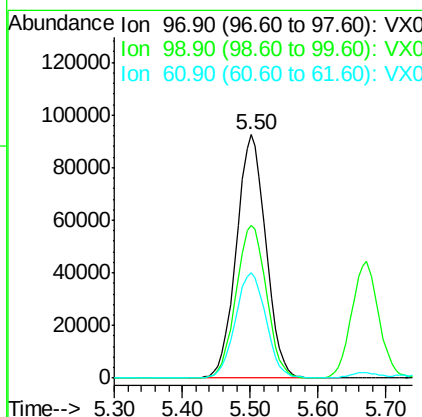
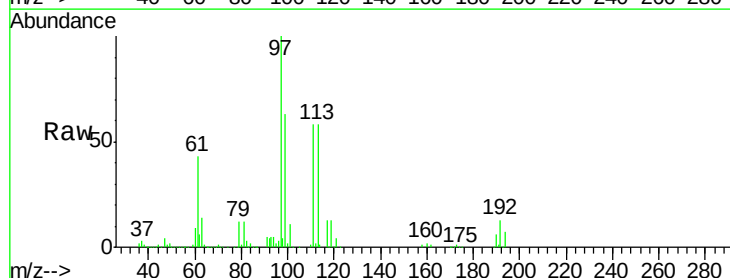
RT: 5.50 min Scan# 806

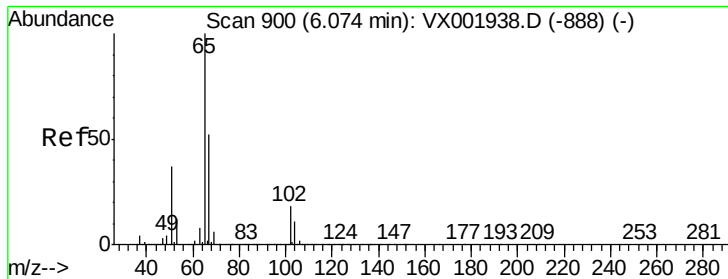
Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.7	51.9	77.9	
61	45.0	35.9	53.9	





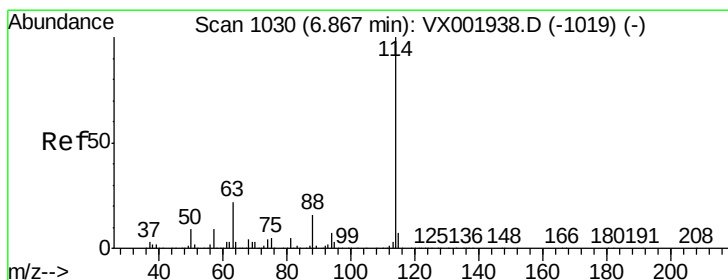
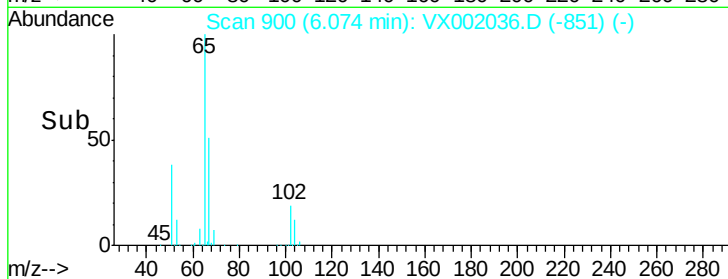
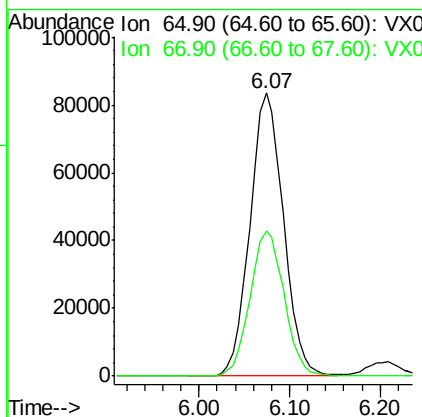
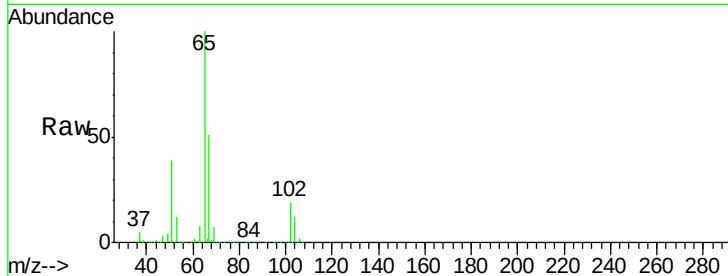
#33
 1,2-Dichloroethane-d4
 Concen: 49.40 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002036.D
 Acq: 26 May 2018 22:59

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW354-180522MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	213680		
67	52.1	0.0	104.0	

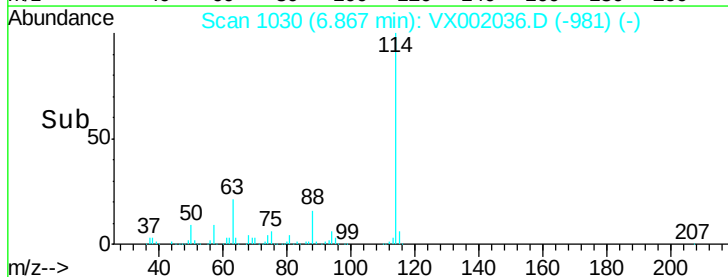
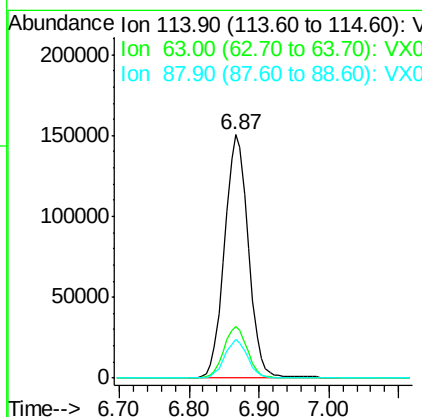
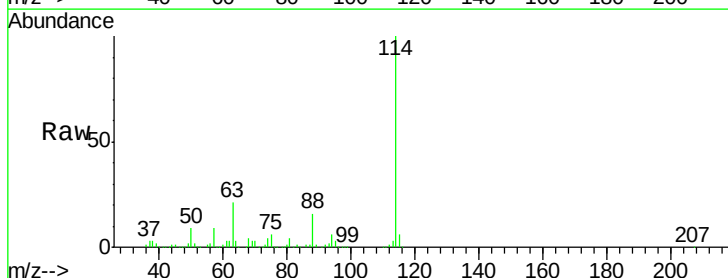
Manual Integrations
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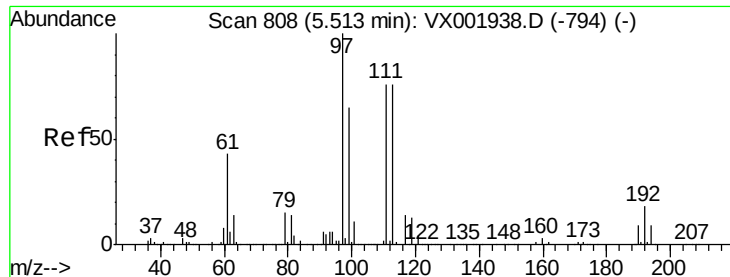
MMDadoda
 5/30/2018 1:50:11 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002036.D
 Acq: 26 May 2018 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	357687		
63	20.9	0.0	43.2	
88	15.8	0.0	31.6	





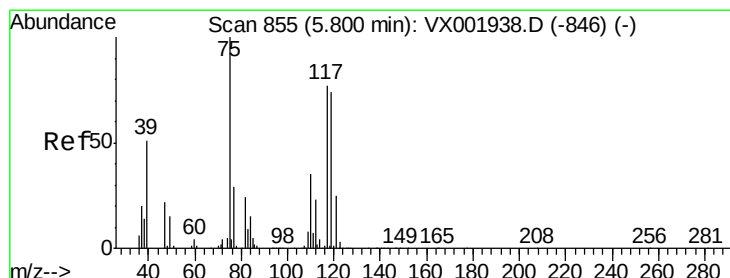
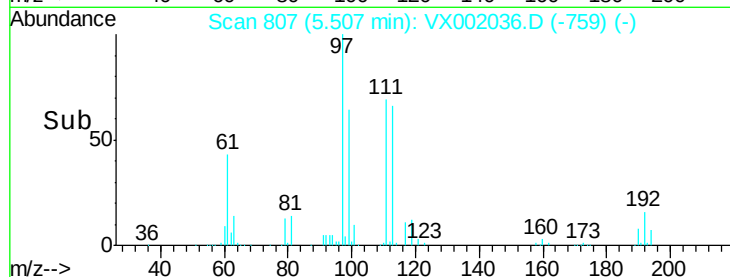
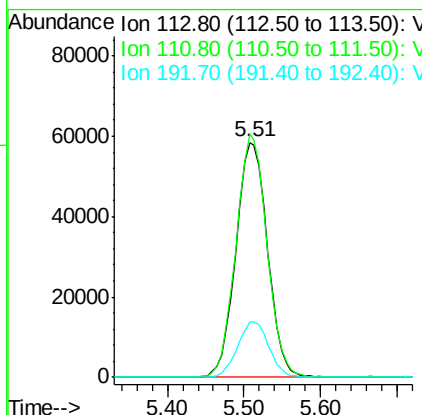
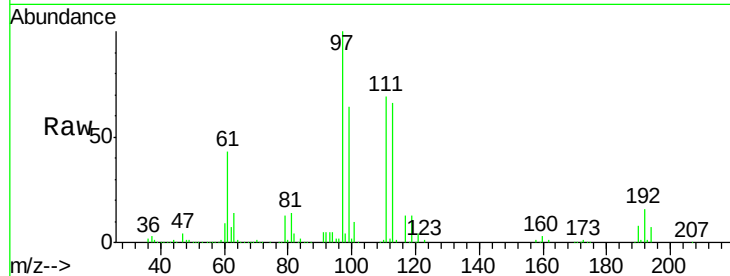
#35
Dibromofluoromethane
Concen: 46.72 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.01 min
Lab File: VX002036.D
Acq: 26 May 2018 22:59

Instrument :
MSVOA_X
ClientSampleId :
SS052MW354-180522MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	167127		
111	101.6	82.0	123.0	
192	23.7	18.9	28.3	

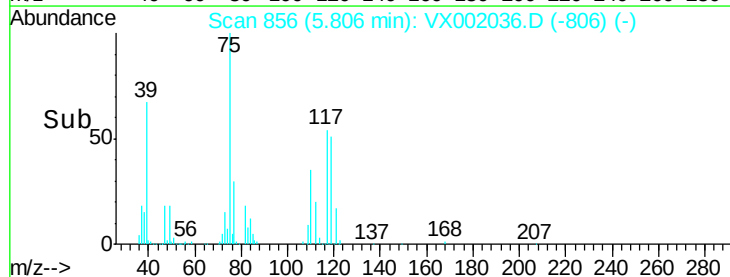
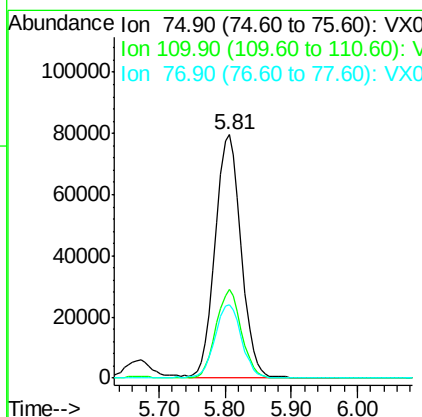
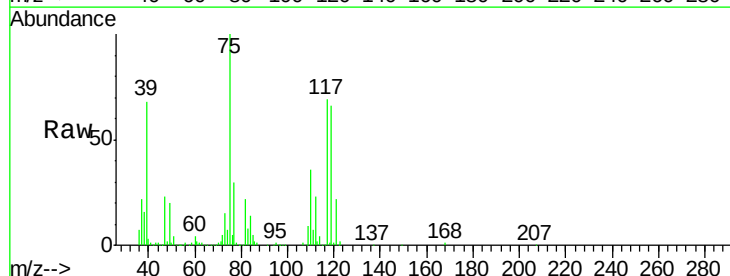
Manual Integrations
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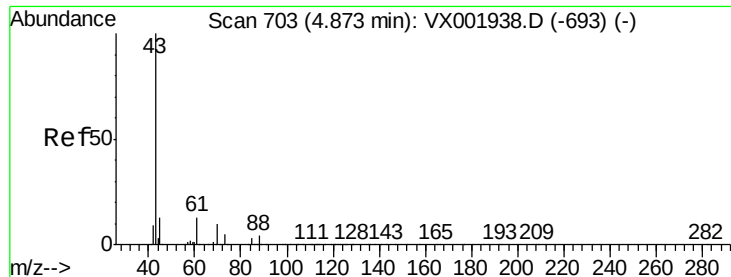
MMDadoda
5/30/2018 1:50:11 PM



#36
1,1-Dichloropropene
Concen: 43.39 ug/l
RT: 5.81 min Scan# 856
Delta R.T. 0.01 min
Lab File: VX002036.D
Acq: 26 May 2018 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	215896		
110	35.8	17.4	52.2	
77	30.6	24.4	36.6	





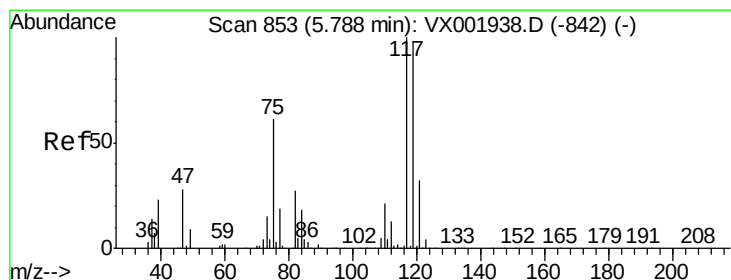
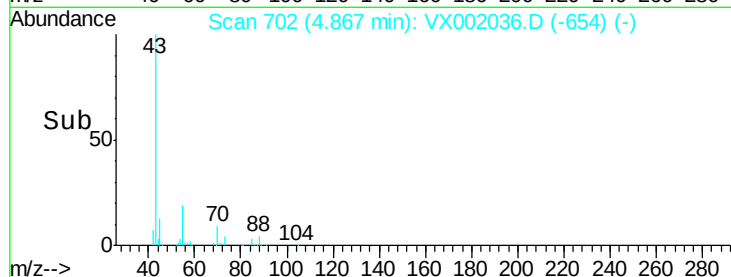
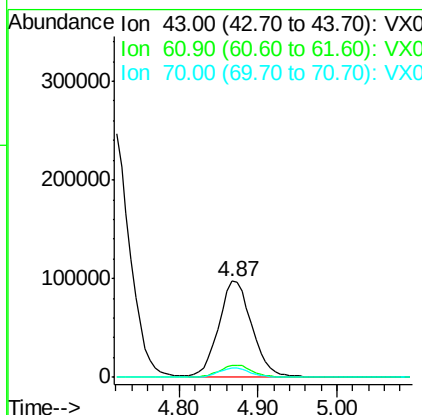
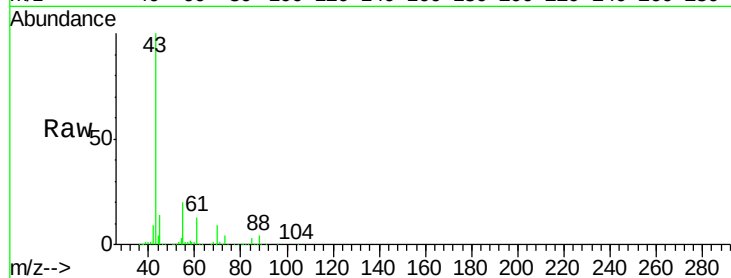
#37
Ethyl Acetate
Concen: 43.52 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX002036.D
Acq: 26 May 2018 22:59

Instrument :
MSVOA_X
ClientSampleId :
SS052MW354-180522MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.2	15.2
70	9.7	7.8	11.8

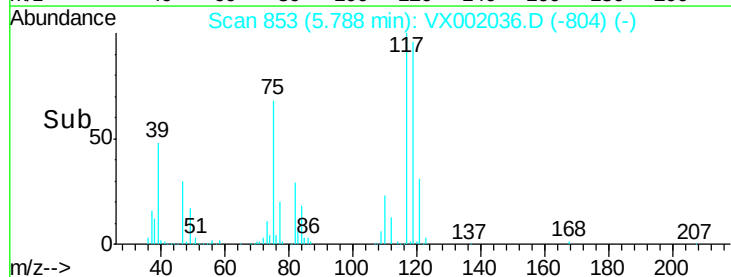
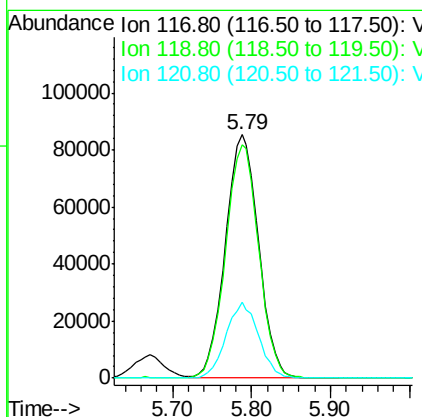
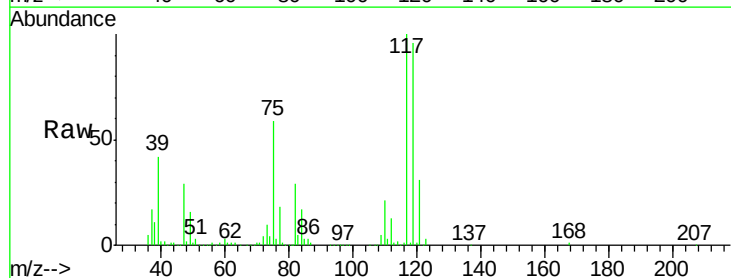
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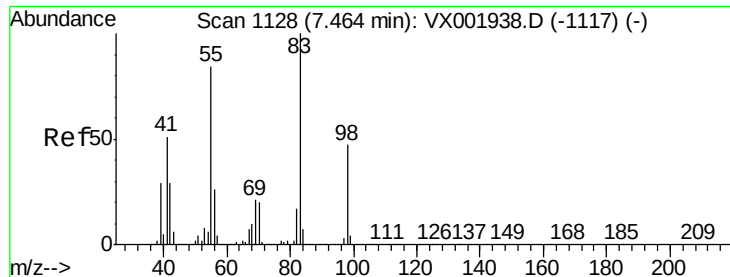
MMDadoda
5/30/2018 1:50:11 PM



#38
Carbon Tetrachloride
Concen: 42.93 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX002036.D
Acq: 26 May 2018 22:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	78.5	117.7
121	31.4	25.5	38.3





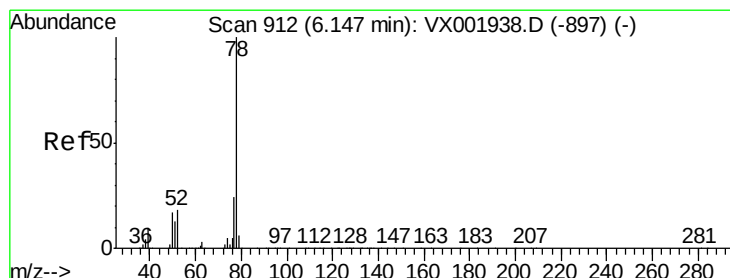
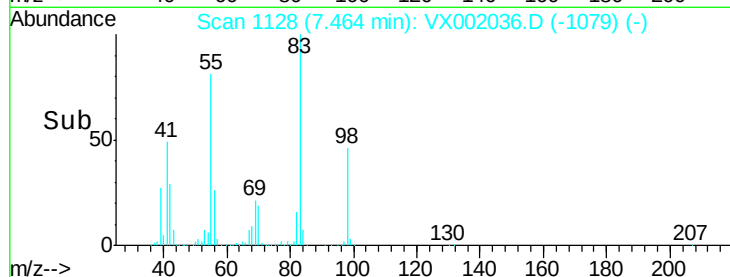
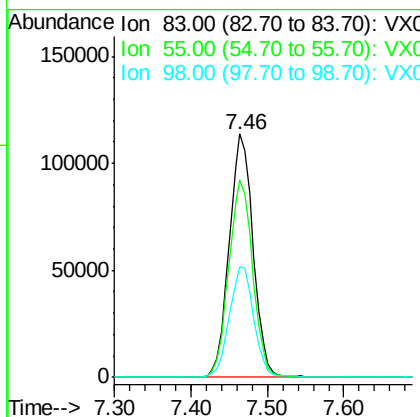
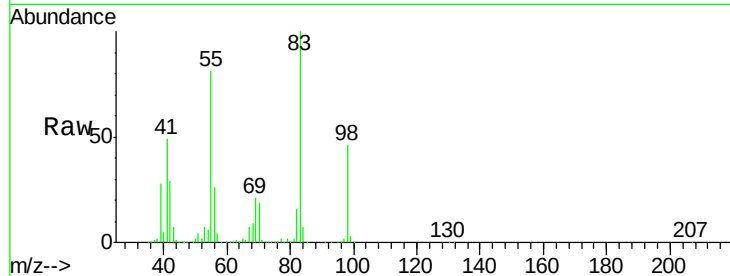
#39
Methylvlcyclohexane
Concen: 40.13 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002036.D
Acq: 26 May 2018 22:59

Instrument :
MSVOA_X
ClientSampleId :
SS052MW354-180522MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	245311		
55	81.0	67.3	100.9	
98	45.5	37.5	56.3	

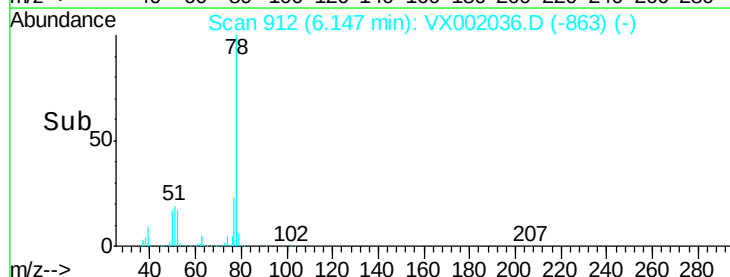
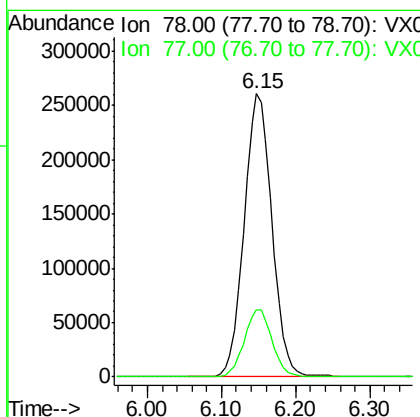
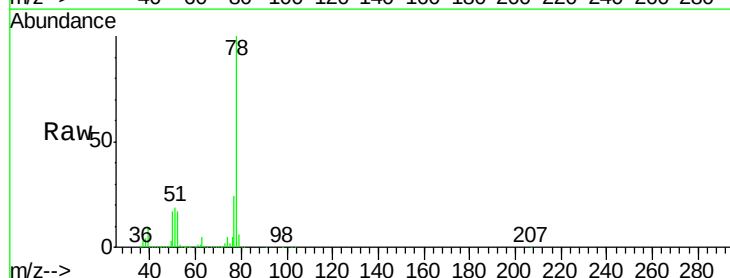
Manual Integrations
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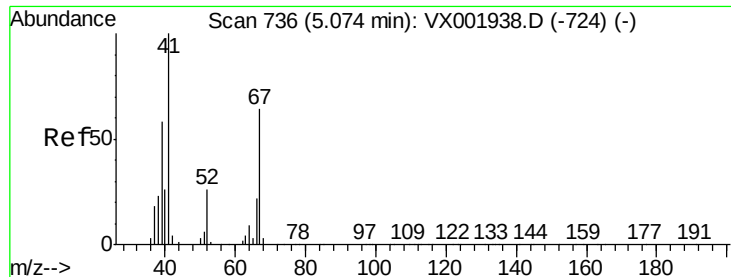
MMDadoda
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#40
Benzene
Concen: 46.87 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002036.D
Acq: 26 May 2018 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	683155		
77	23.6	19.1	28.7	





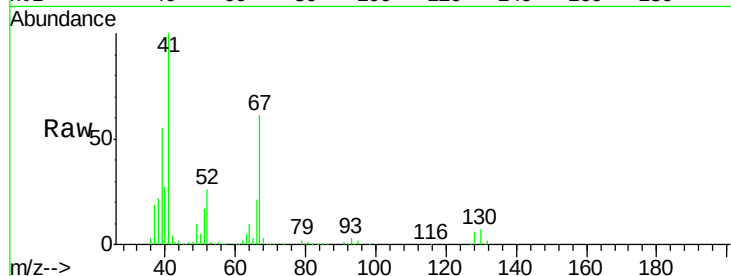
#41
Methacrylonitrile
Concen: 48.77 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX002036.D
Acq: 26 May 2018 22:59

Instrument :
MSVOA_X
ClientSampleId :
SS052MW354-180522MSD

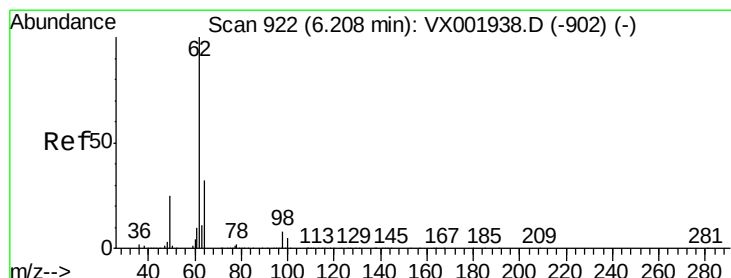
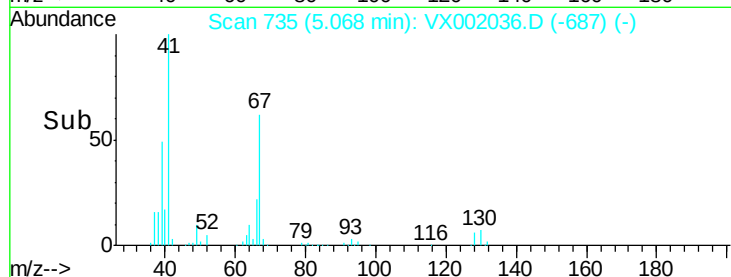
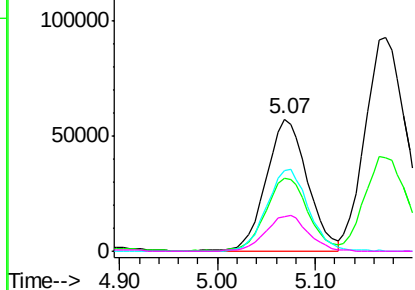
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		167049		
39	56.9	46.0	69.0		
67	63.5	50.6	75.8		
52	27.7	21.9	32.9		

Manual Integrations
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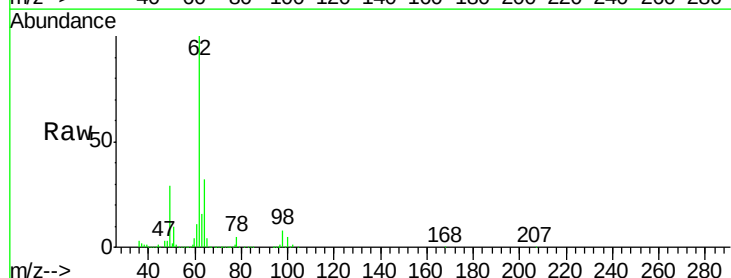


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

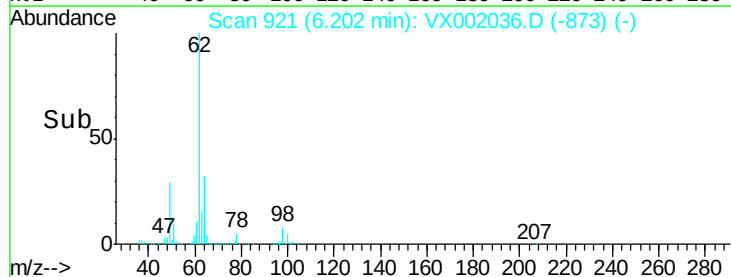
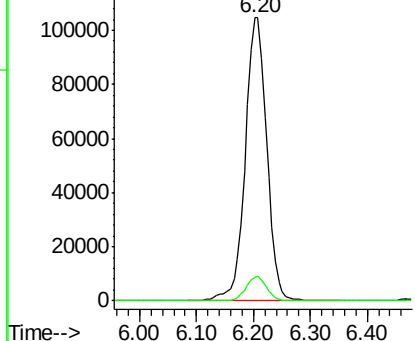


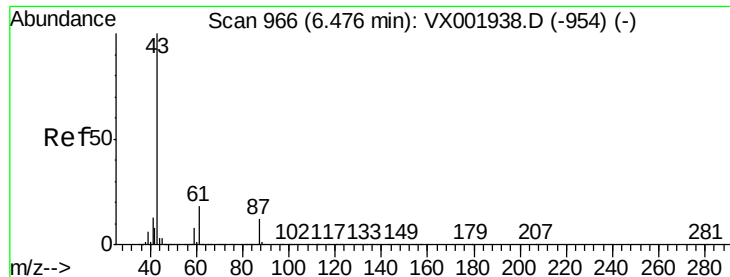
#42
1,2-Dichloroethane
Concen: 47.17 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX002036.D
Acq: 26 May 2018 22:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		274662		
98	8.4	0.0	17.0		



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 46.14 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Instrument :

MSVOA_X

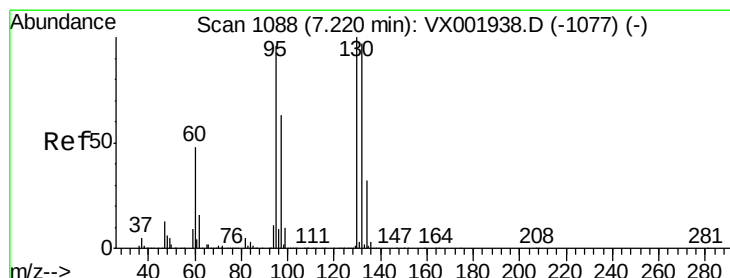
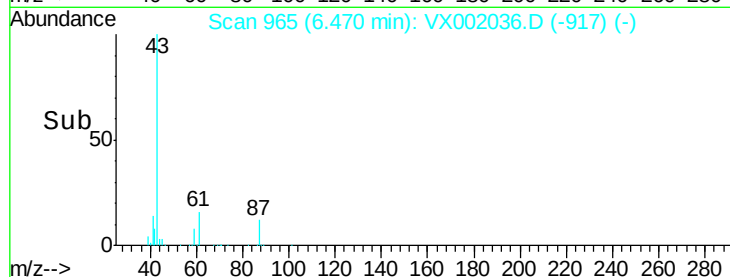
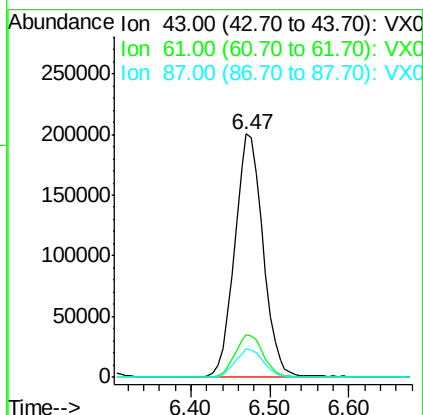
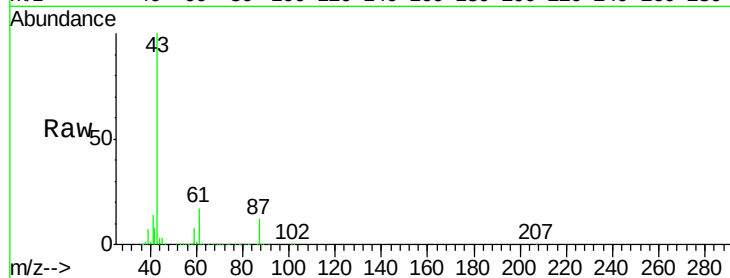
ClientSampleId :

SS052MW354-180522MSD

Tot Ion:	43	Resp:	498658
Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.5	21.7
87	11.6	9.5	14.3

Manual Integrations
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#44

Trichloroethene

Concen: 49.18 ug/l

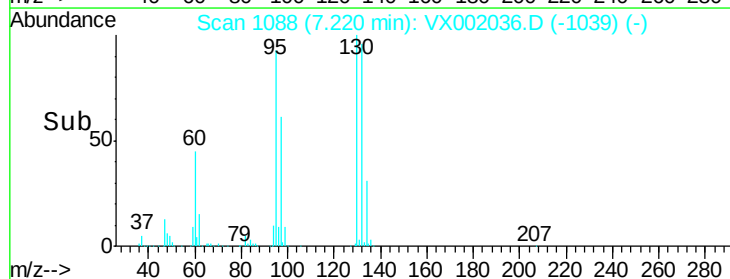
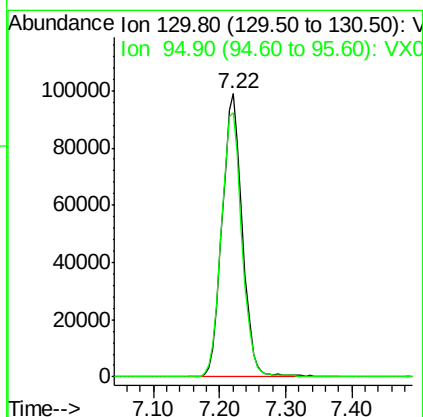
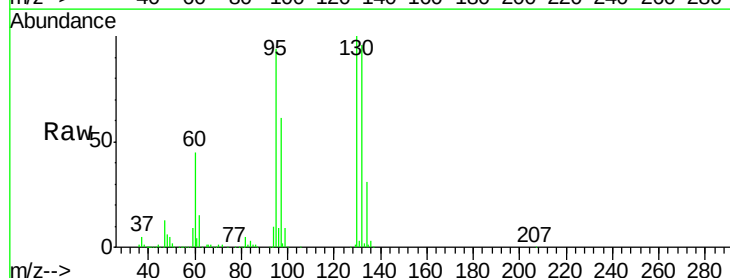
RT: 7.22 min Scan# 1088

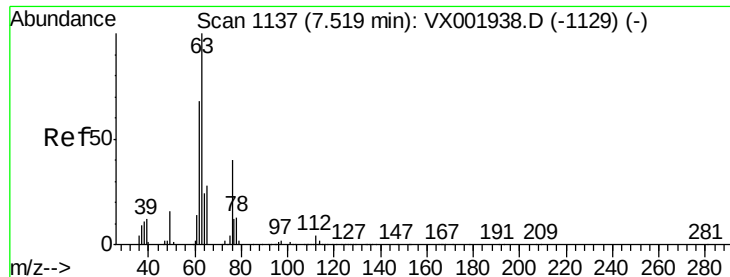
Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Tgt Ion:	130	Resp:	208897
Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	192.0





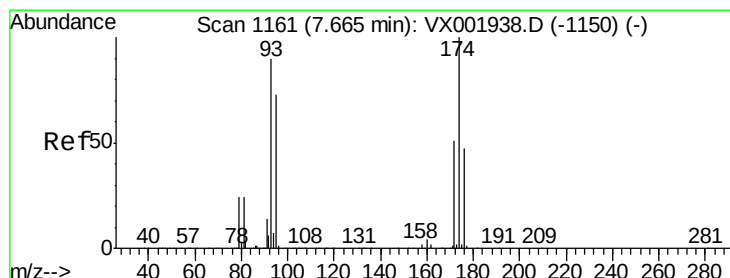
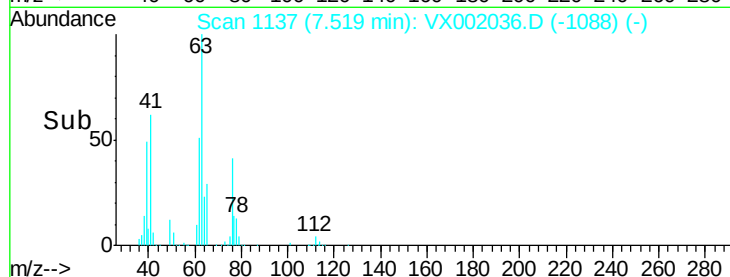
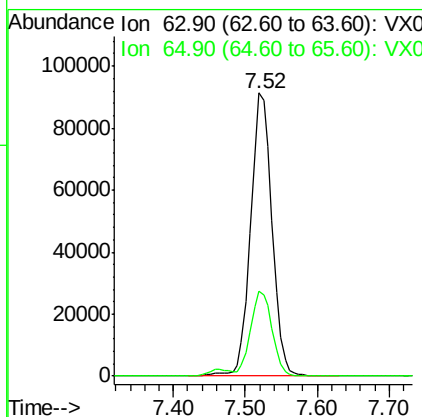
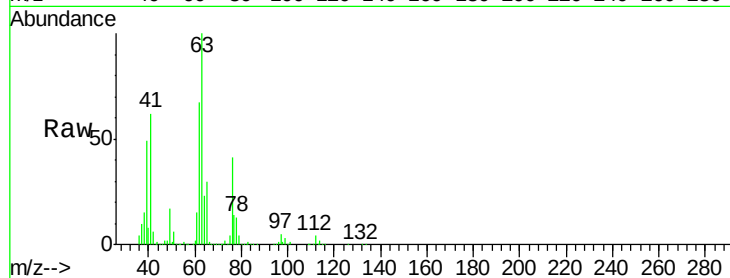
#45
 1,2-Dichloropropane
 Concen: 47.87 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX002036.D
 Acq: 26 May 2018 22:59

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW354-180522MSD

Tot Ion	Ratio	Resp	Lower	Upper
63	100	189492		
65	30.2		24.1	36.1

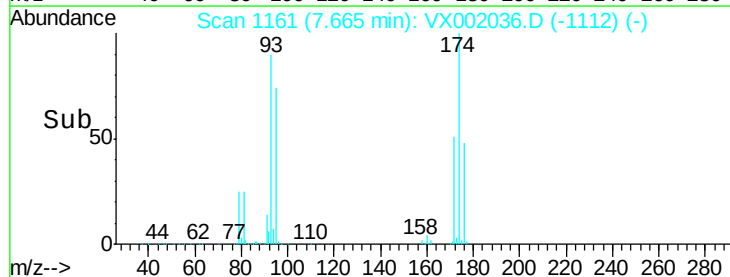
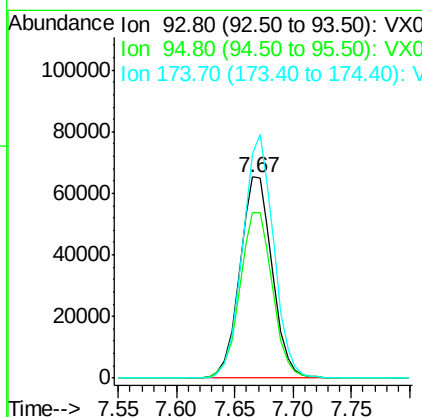
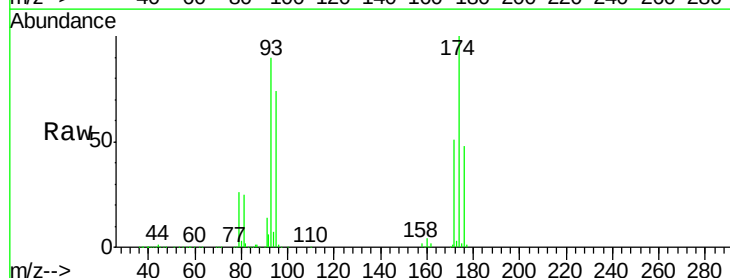
Manual Integrations
 APPROVED

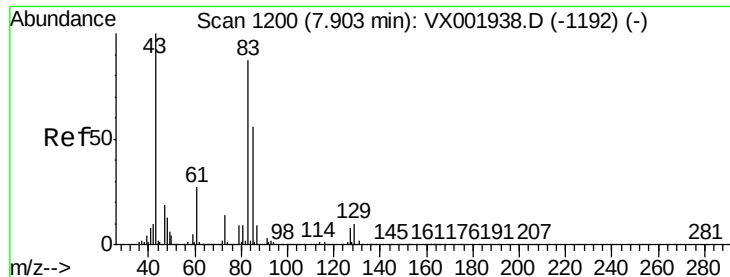
MMDadoda
 5/30/2018 1:50:11 PM



#46
 Dibromomethane
 Concen: 48.17 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX002036.D
 Acq: 26 May 2018 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	126257		
95	83.1		66.1	99.1
174	116.5		92.5	138.7





#47

Bromodichloromethane

Concen: 46.10 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Instrument :

MSVOA_X

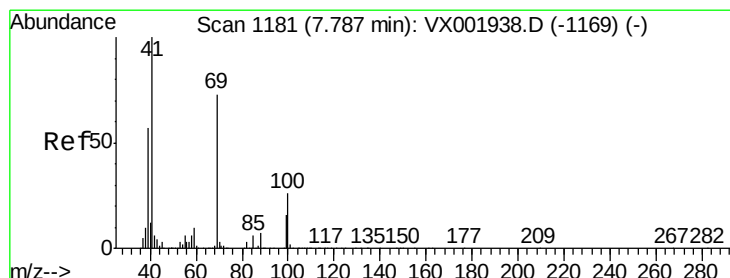
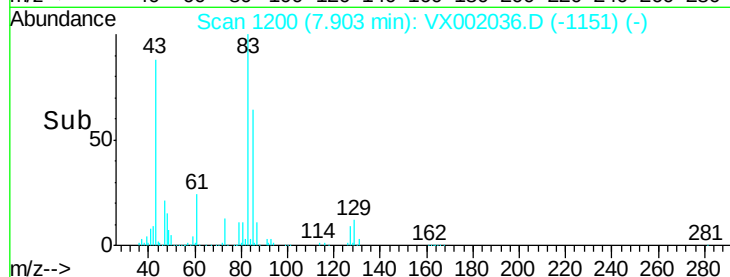
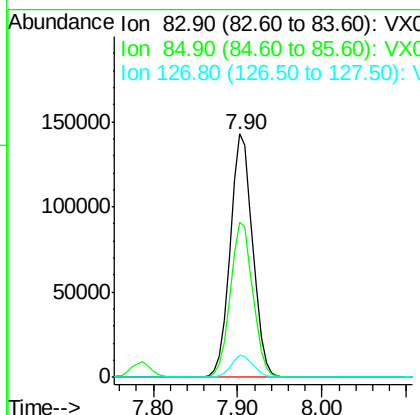
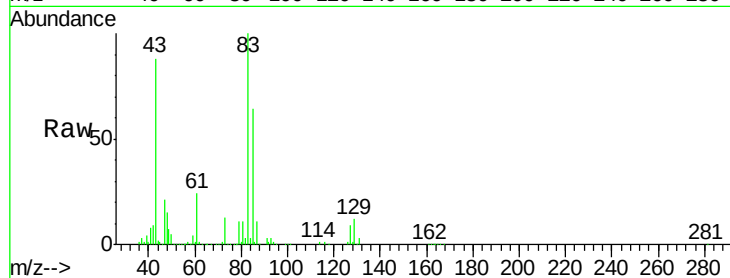
ClientSampleId :

SS052MW354-180522MSD

Tot Ion:	83	Resp:	257619
Ion Ratio	Lower	Upper	
83	100		
85	63.7	51.4	77.2
127	8.9	7.1	10.7

Manual Integrations
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5/30/2018 1:50:11 PM



#48

Methyl methacrylate

Concen: 46.82 ug/l

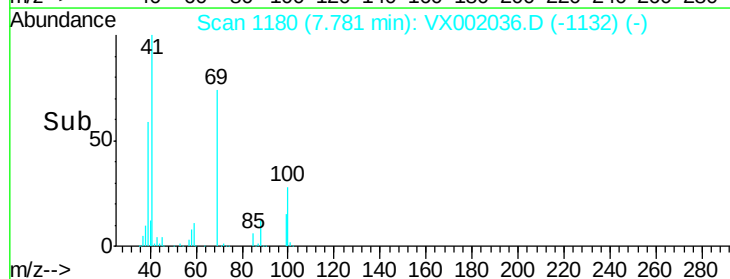
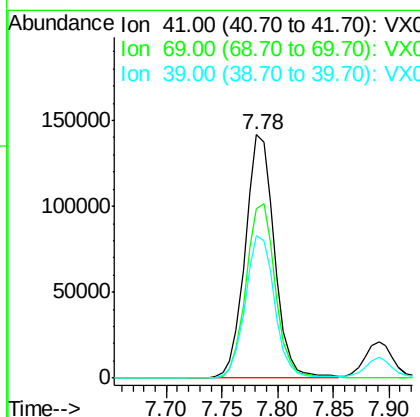
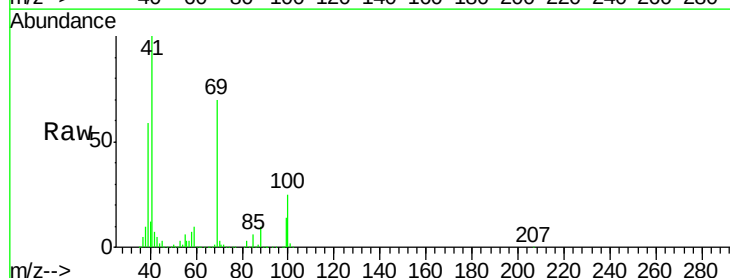
RT: 7.78 min Scan# 1180

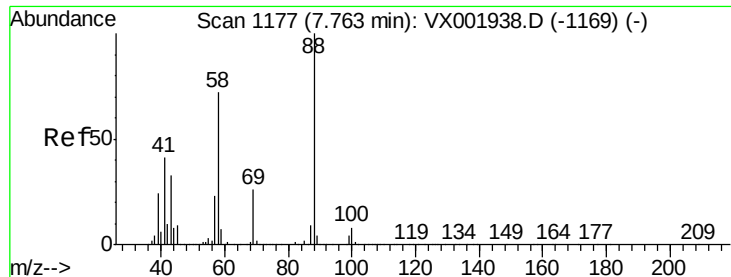
Delta R.T. -0.01 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Tgt Ion:	41	Resp:	257522
Ion Ratio	Lower	Upper	
41	100		
69	72.5	58.6	87.8
39	58.6	46.3	69.5





#49

1,4-Dioxane

Concen: 904.09 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Instrument :

MSVOA_X

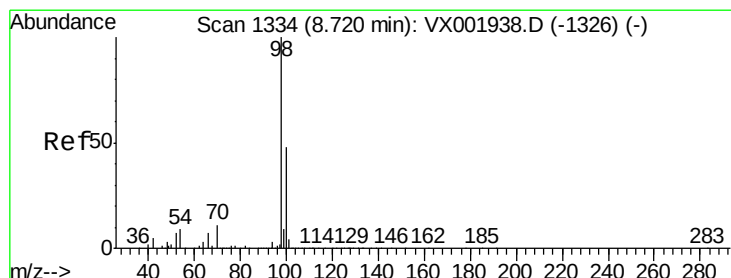
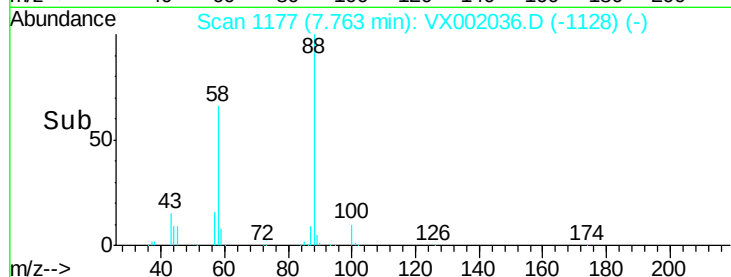
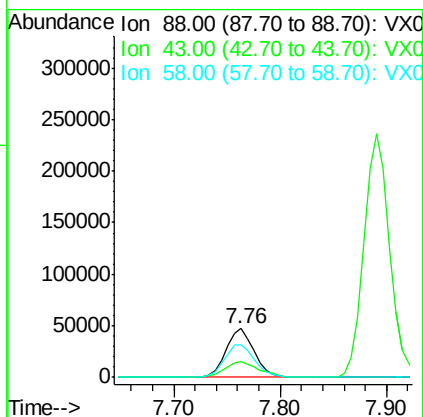
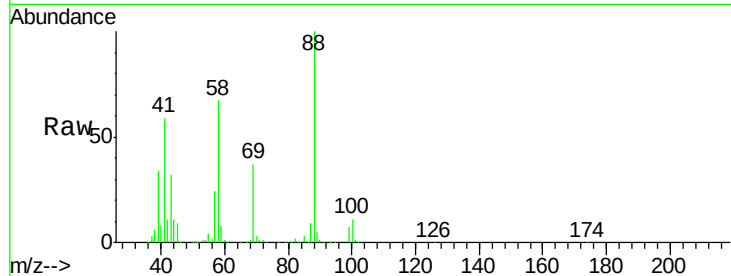
ClientSampleId :

SS052MW354-180522MSD

Tot Ion:	88	Resp:	87635
Ion	Ratio	Lower	Upper
88	100		
43	38.1	29.8	44.8
58	72.0	58.7	88.1

Manual Integrations
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#50

Toluene-d8

Concen: 46.59 ug/l

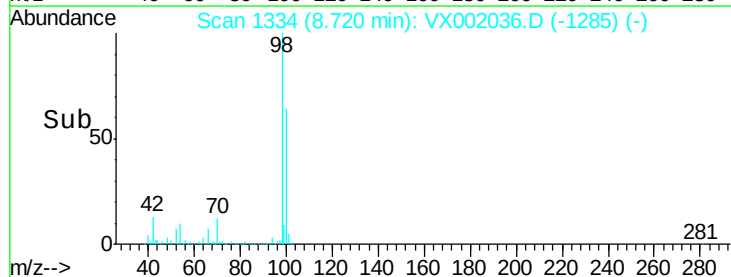
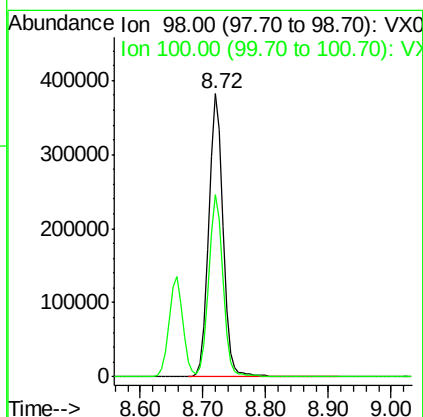
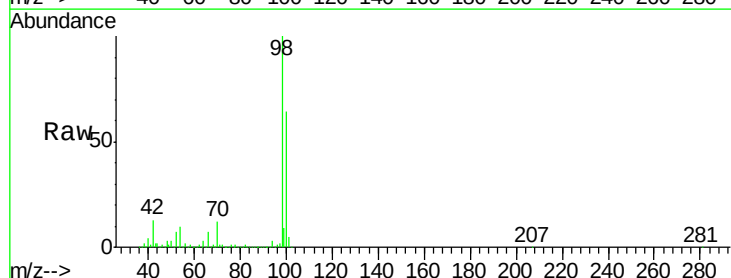
RT: 8.72 min Scan# 1334

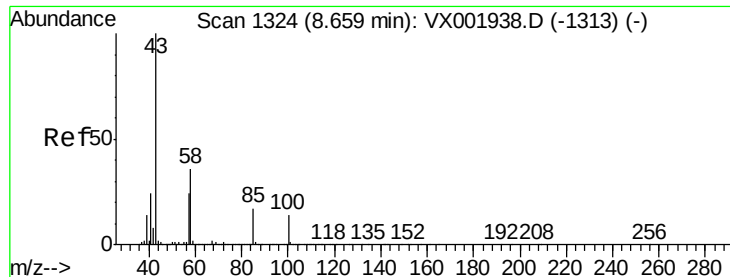
Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Tgt Ion:	98	Resp:	603309
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 243.25 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Instrument :

MSVOA_X

ClientSampleId :

SS052MW354-180522MSD

Tot Ion: 43 Resp: 1584794

Ion Ratio Lower Upper

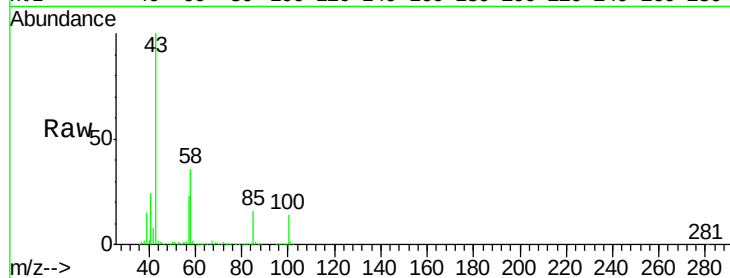
43 100

58 35.3 28.5 42.7

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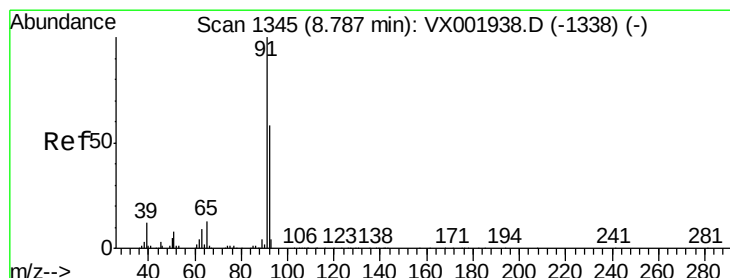
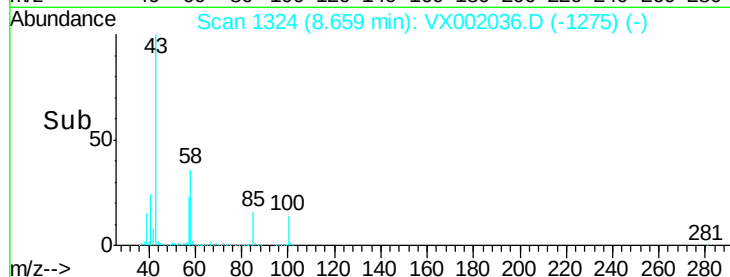
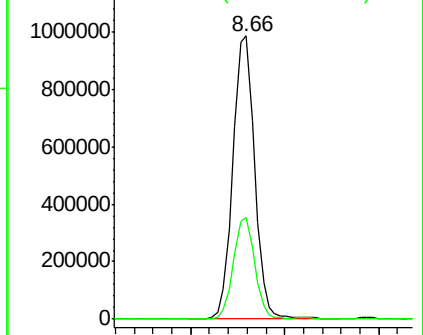
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 47.05 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002036.D

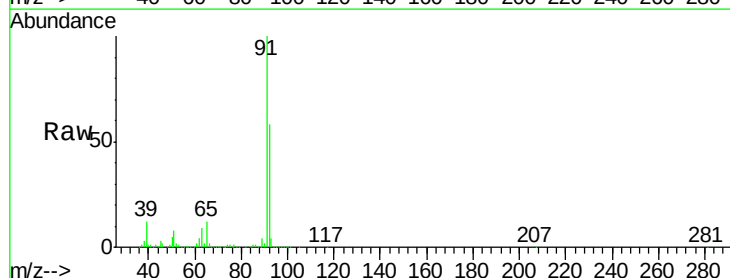
Acq: 26 May 2018 22:59

Tgt Ion: 92 Resp: 436401

Ion Ratio Lower Upper

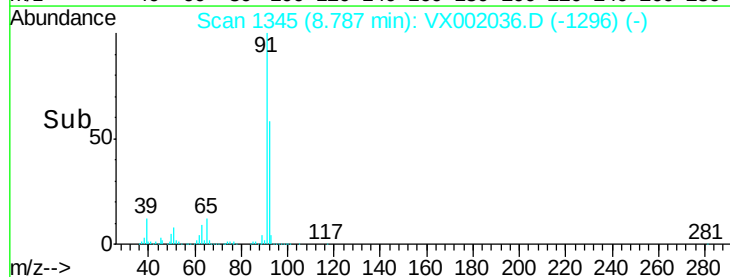
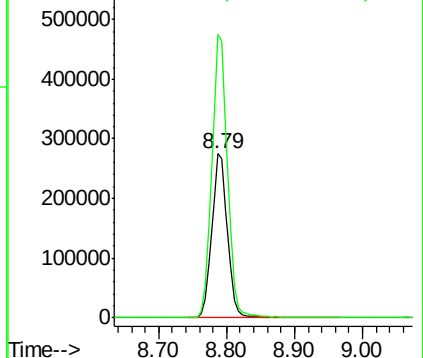
92 100

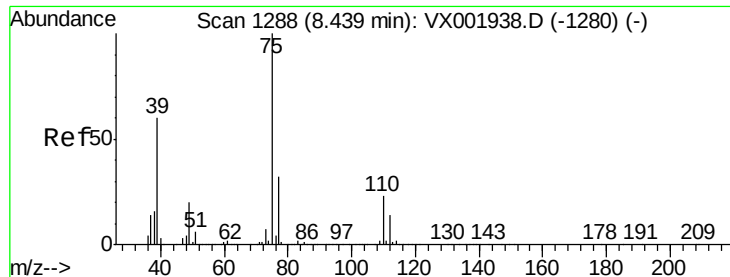
91 173.6 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 44.92 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Instrument :

MSVOA_X

ClientSampleId :

SS052MW354-180522MSD

Tot Ion: 75 Resp: 289104

Ion Ratio Lower Upper

75 100

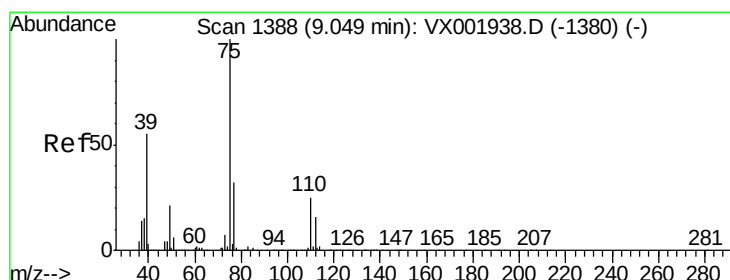
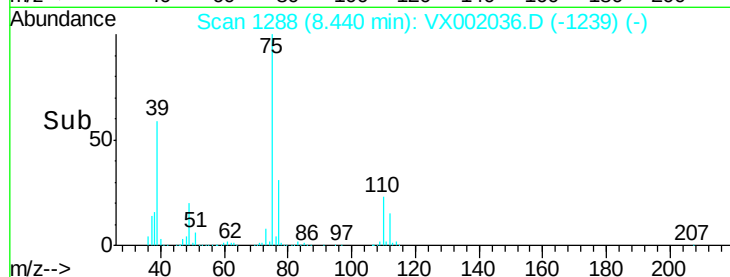
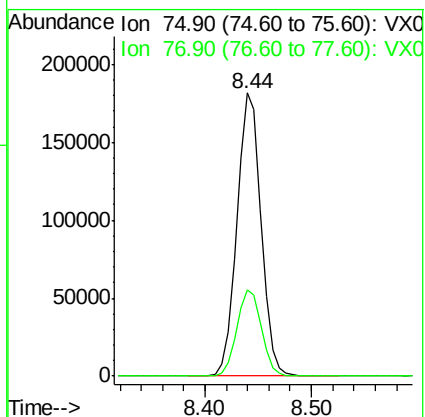
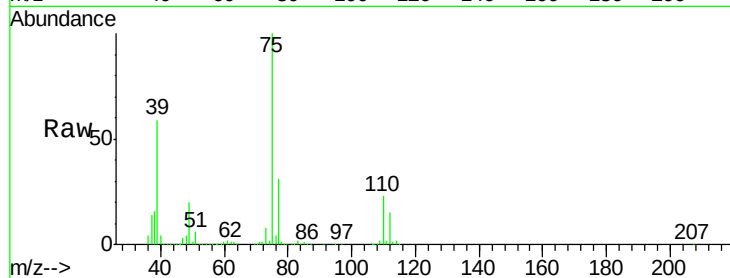
77 30.6 25.5 38.3

Manual Integrations

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5/30/2018 1:50:11 PM



#54

cis-1,3-Dichloropropene

Concen: 44.93 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

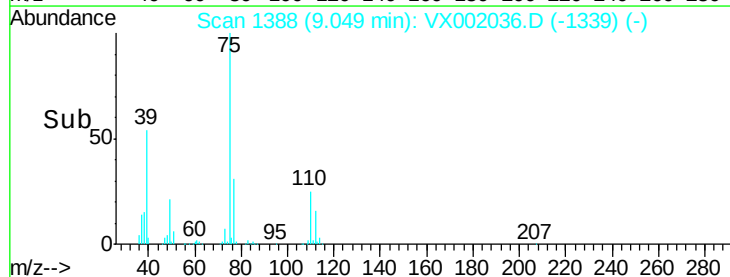
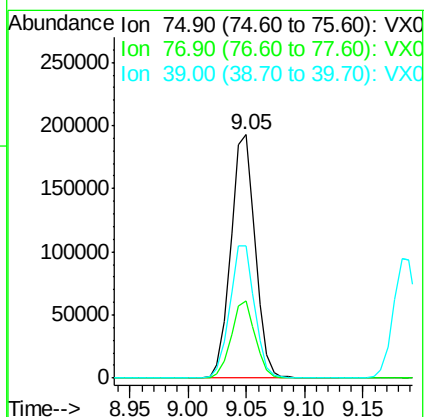
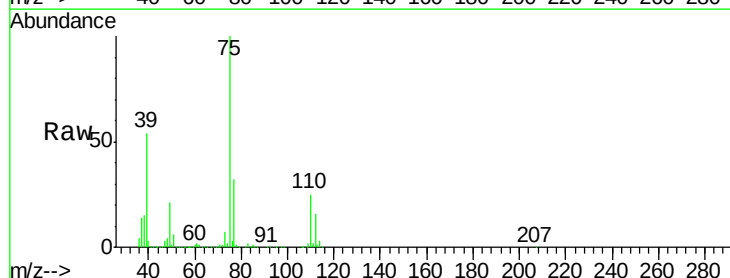
Tgt Ion: 75 Resp: 281760

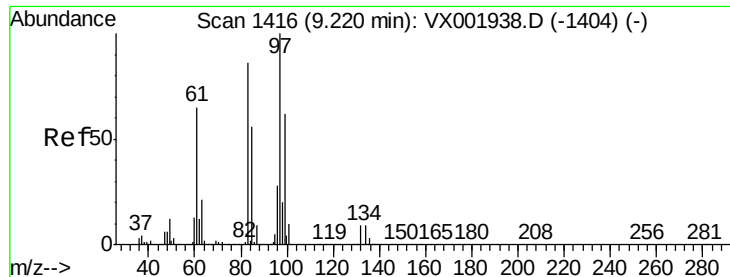
Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

39 54.1 44.1 66.1





#55

1,1,2-Trichloroethane

Concen: 47.47 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Instrument :

MSVOA_X

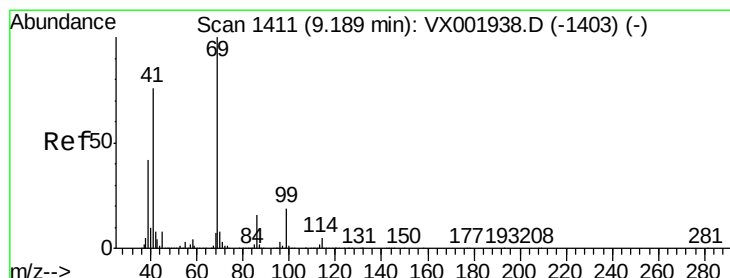
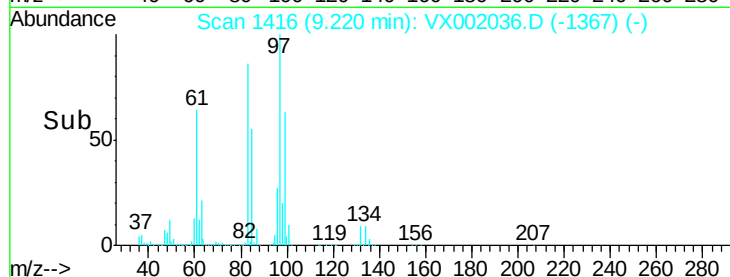
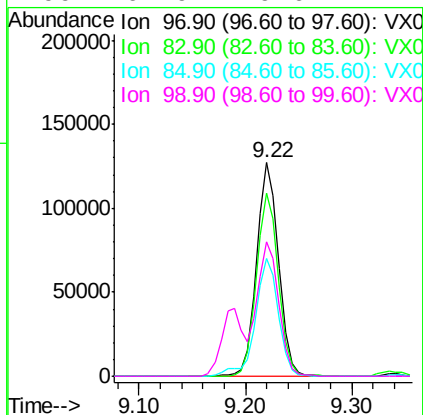
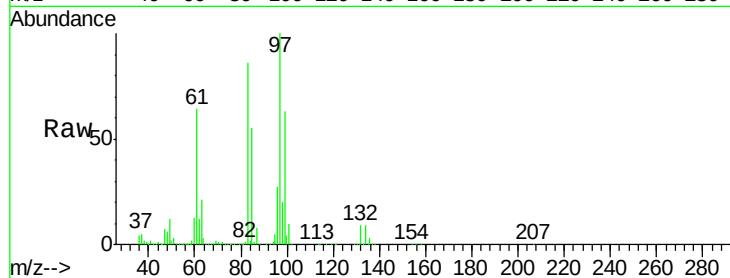
ClientSampleId :

SS052MW354-180522MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		183937		
83	85.8	69.1	103.7		
85	55.2	45.2	67.8		
99	62.9	49.6	74.4		

Manual Integrations
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#56

Ethyl methacrylate

Concen: 46.75 ug/l

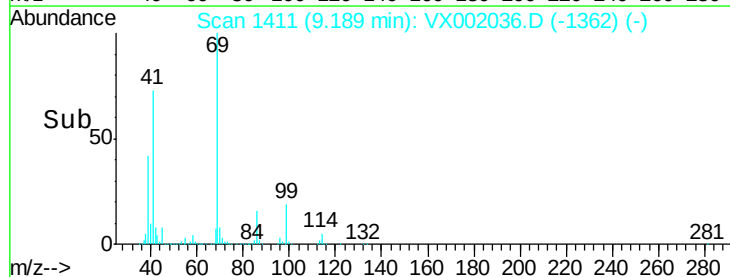
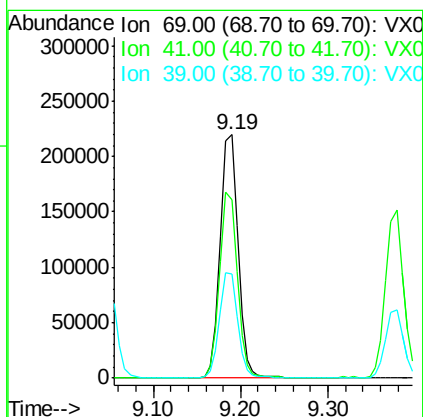
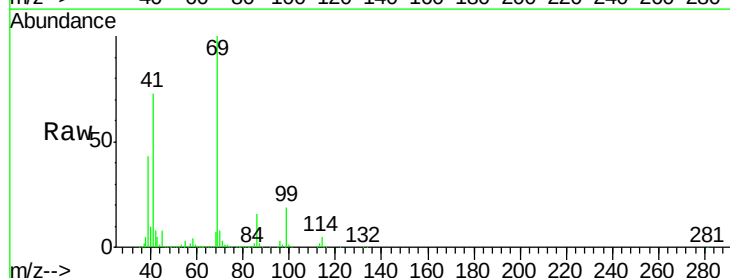
RT: 9.19 min Scan# 1411

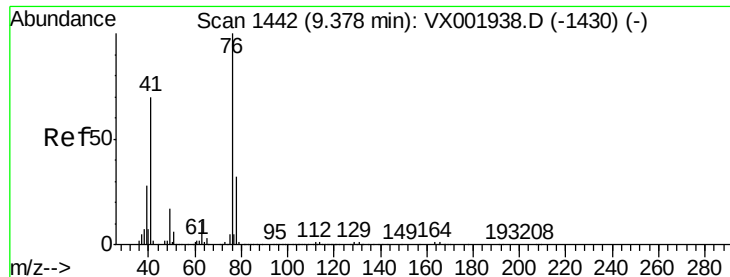
Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		311641		
41	75.9	61.0	91.6		
39	43.7	34.4	51.6		





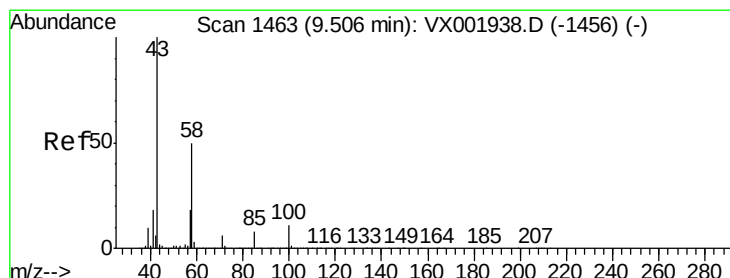
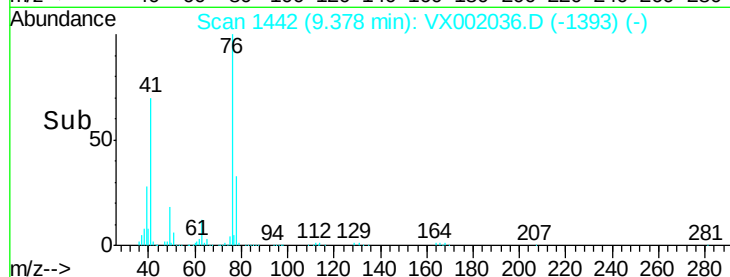
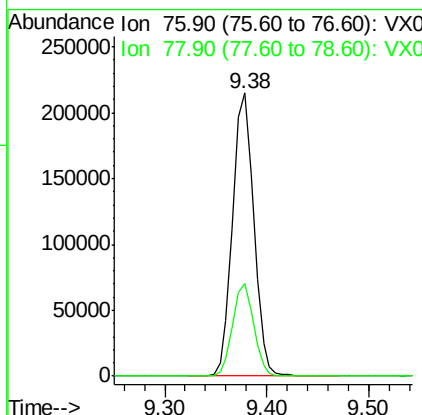
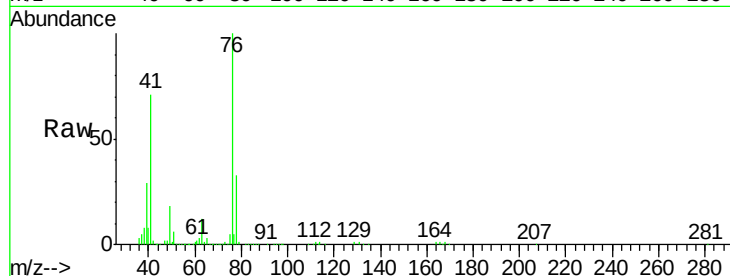
#57
 1,3-Dichloropropane
 Concen: 48.34 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX002036.D
 Acq: 26 May 2018 22:59

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW354-180522MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.6	38.4

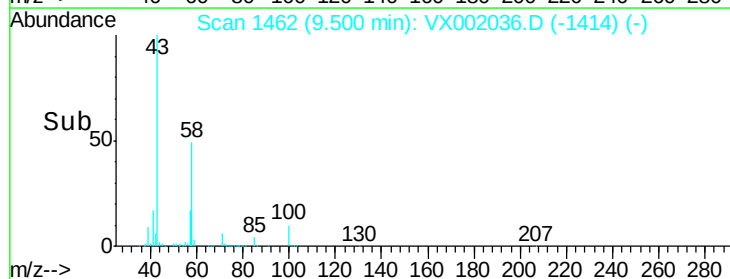
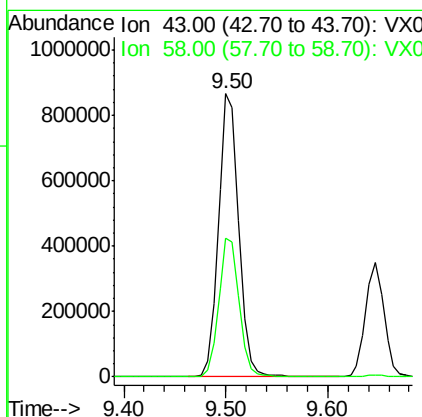
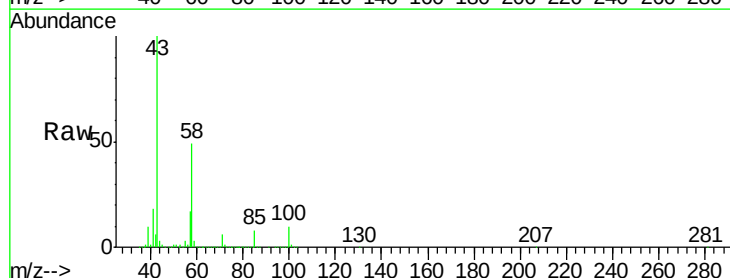
Manual Integrations
 APPROVED

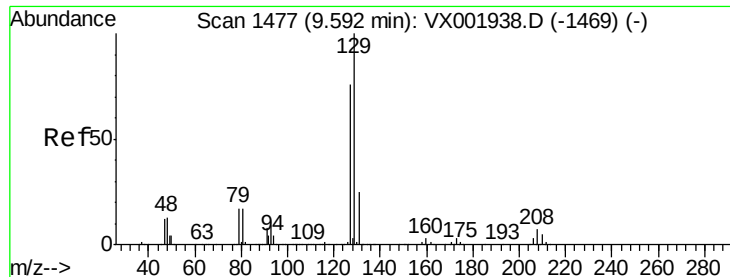
MMDadoda
 5/30/2018 1:50:11 PM



#59
 2-Hexanone
 Concen: 240.67 ug/l
 RT: 9.50 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VX002036.D
 Acq: 26 May 2018 22:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.4	24.9	74.6





#60

Dibromochloromethane

Concen: 46.59 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.01 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Instrument :

MSVOA_X

ClientSampleId :

SS052MW354-180522MSD

Tot Ion:129 Resp: 213836

Ion Ratio Lower Upper

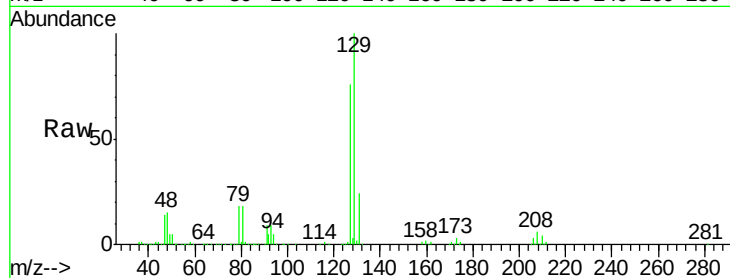
129 100

127 77.1 38.3 114.9

Manual Integrations
APPROVED

MMDadoda

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

150000

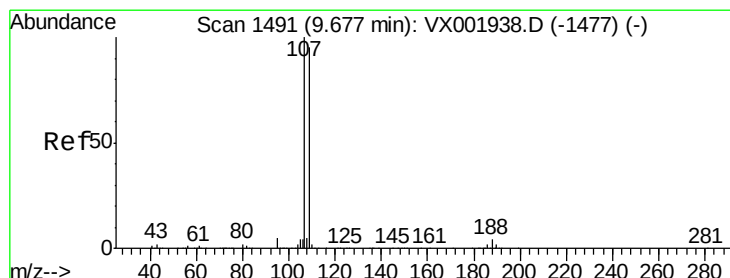
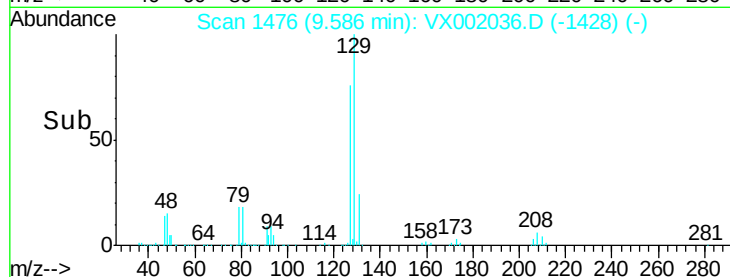
100000

50000

0

9.50 9.55 9.60 9.65 9.70

Time-->



#61

1,2-Dibromoethane

Concen: 48.33 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002036.D

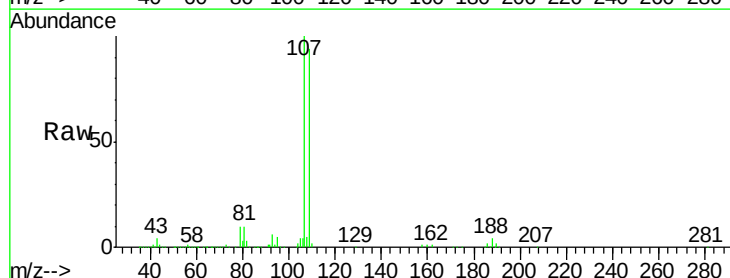
Acq: 26 May 2018 22:59

Tgt Ion:107 Resp: 196538

Ion Ratio Lower Upper

107 100

109 93.6 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

150000

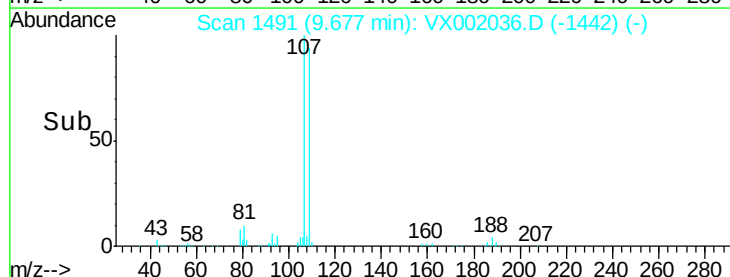
100000

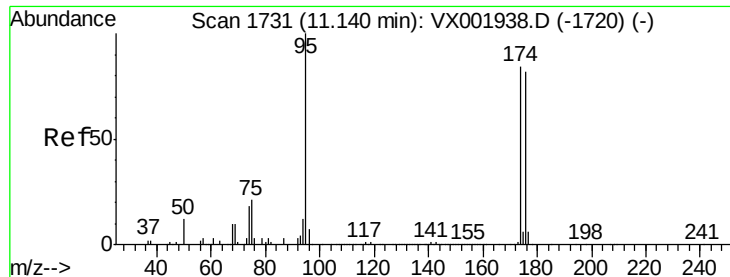
50000

0

9.60 9.65 9.70 9.75 9.80

Time-->





#62

4-Bromofluorobenzene

Concen: 47.03 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Instrument :

MSVOA_X

ClientSampleId :

SS052MW354-180522MSD

Tot Ion: 95 Resp: 238307

Ion Ratio Lower Upper

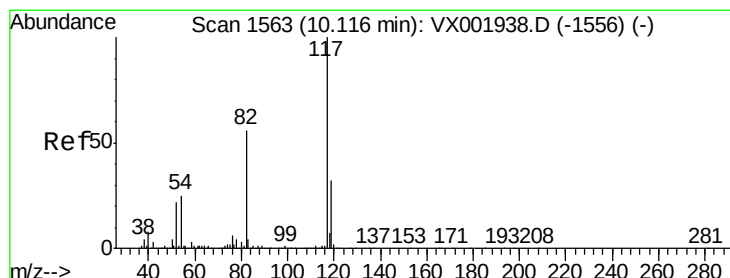
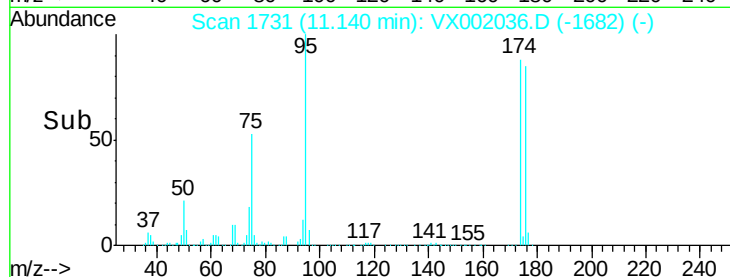
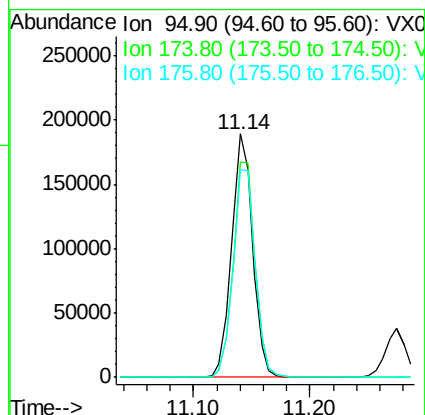
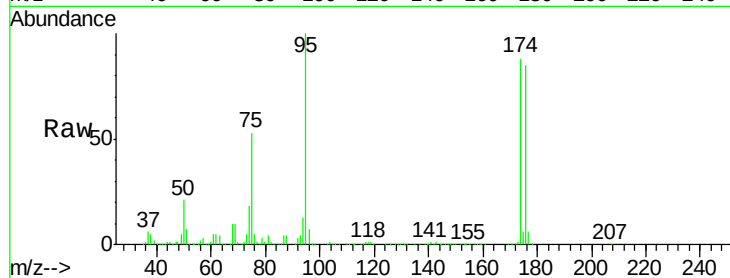
95 100

174 92.3 0.0 178.8

176 89.7 0.0 175.6

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

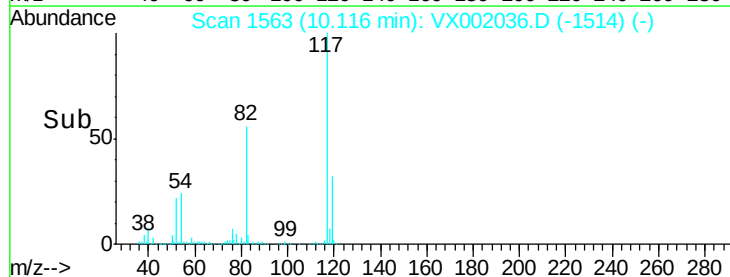
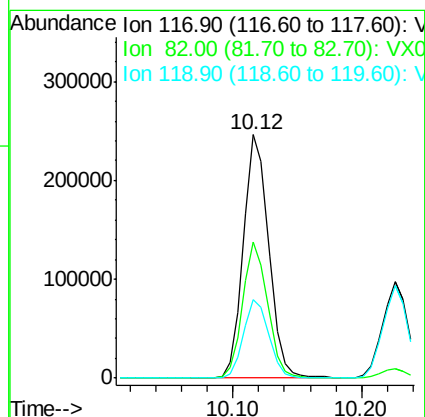
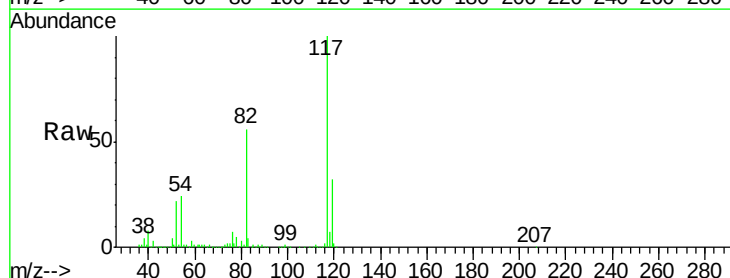
Tgt Ion: 117 Resp: 335265

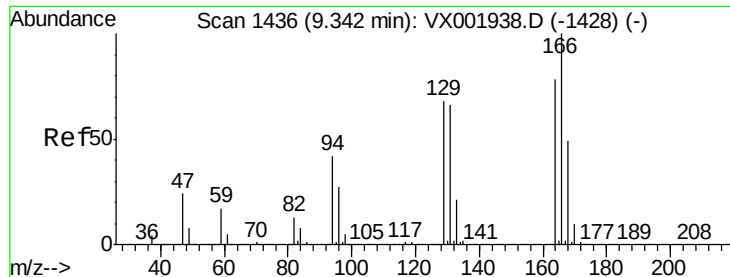
Ion Ratio Lower Upper

117 100

82 55.6 44.8 67.2

119 32.0 25.5 38.3





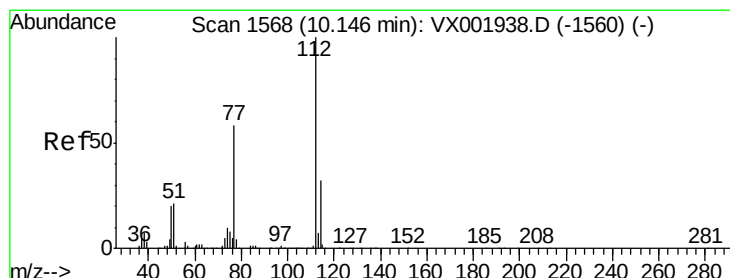
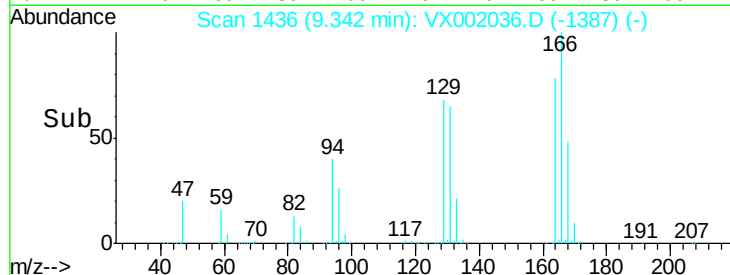
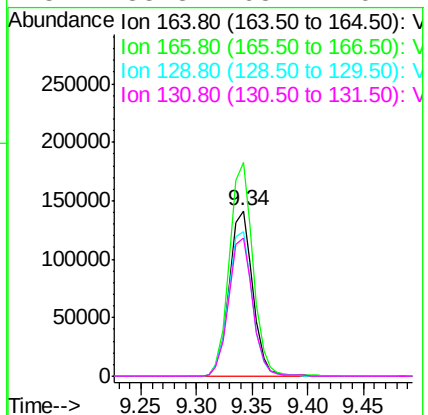
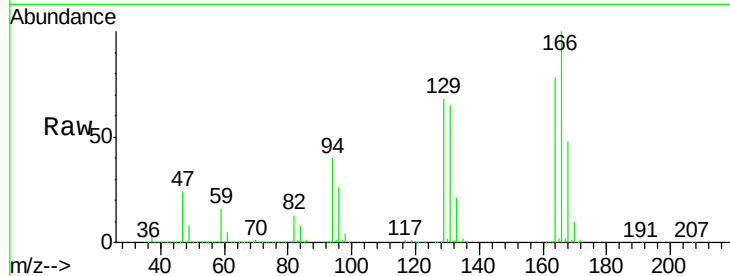
#64
Tetrachloroethene
Concen: 43.20 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX002036.D
Acq: 26 May 2018 22:59

Instrument :
MSVOA_X
ClientSampleId :
SS052MW354-180522MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.0	102.7	154.1
129	87.4	70.3	105.5
131	83.3	68.2	102.4

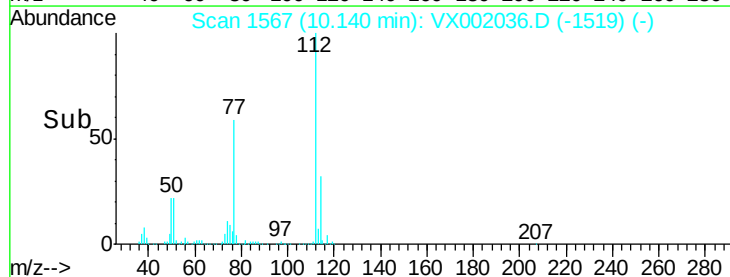
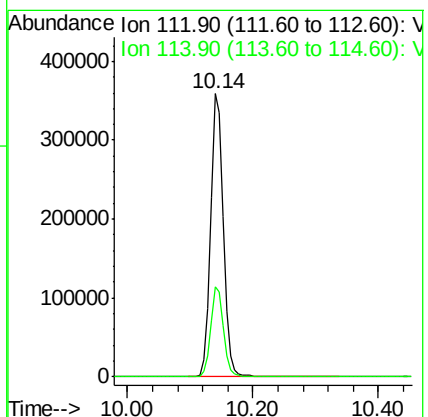
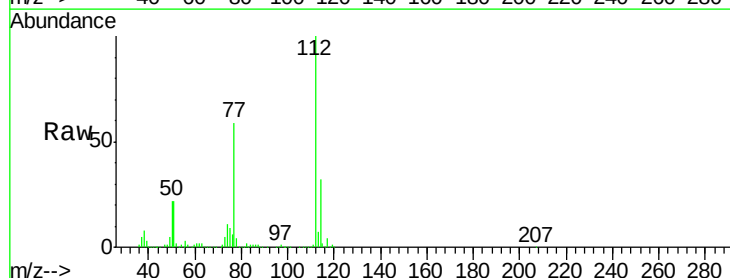
Manual Integrations
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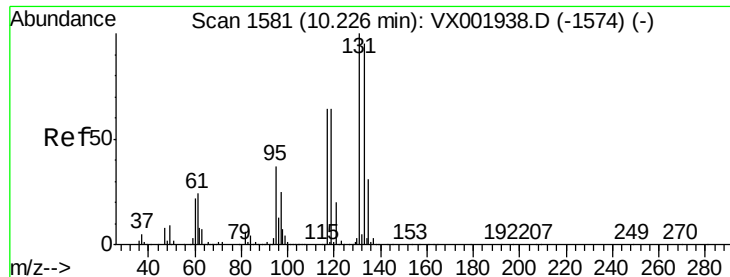
MMDadoda
5/30/2018 1:50:11 PM



#65
Chlorobenzene
Concen: 47.25 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX002036.D
Acq: 26 May 2018 22:59

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.9	38.9





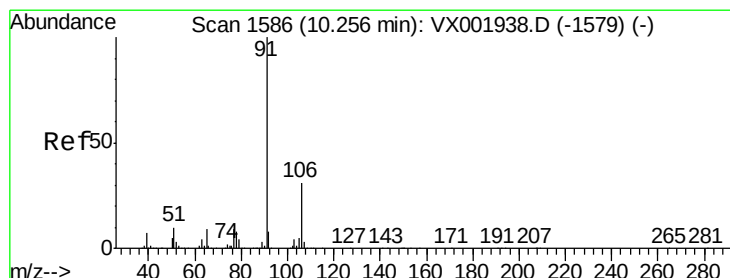
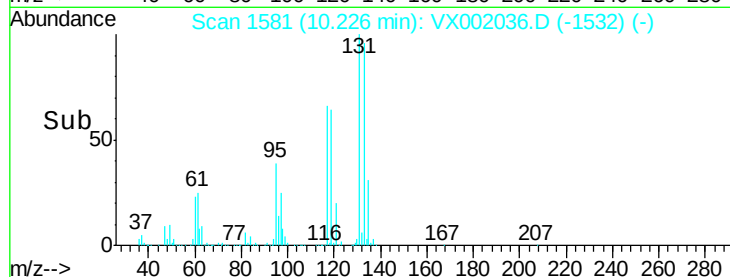
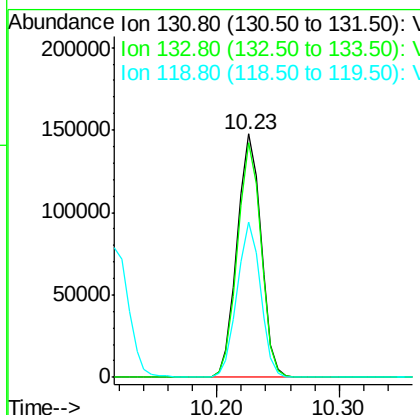
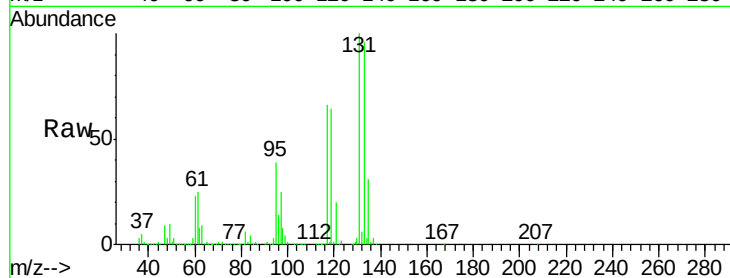
#66
 1,1,1,2-Tetrachloroethane
 Concen: 46.40 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VX002036.D
 Acq: 26 May 2018 22:59

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW354-180522MSD

Tot Ion	Ratio	Resp	Lower	Upper
131	100	199001		
133	95.1	48.0	144.0	
119	62.5	31.9	95.5	

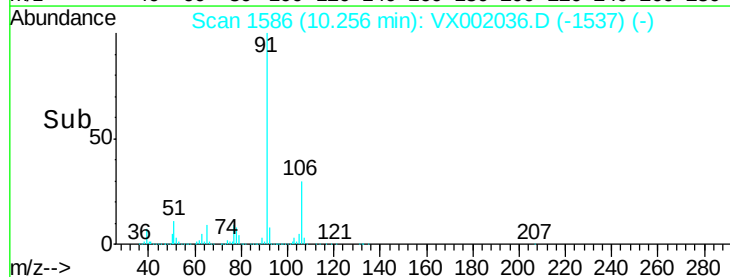
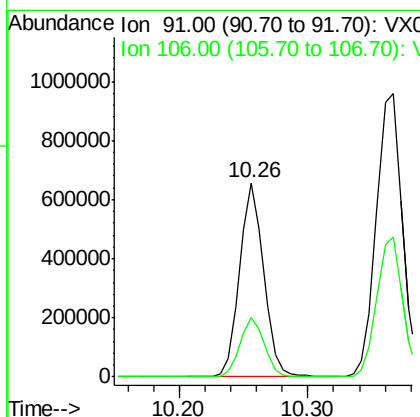
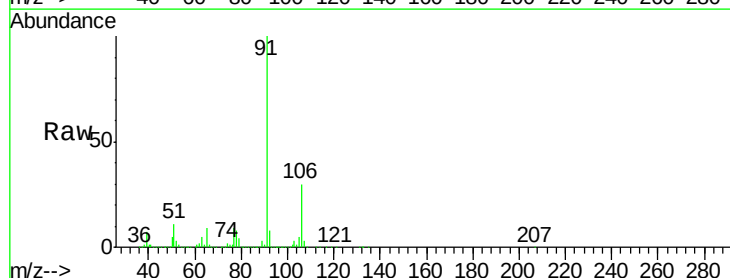
Manual Integrations
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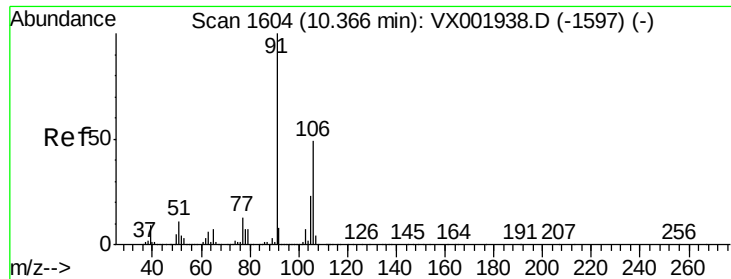
MMDadoda
 5/30/2018 1:50:11 PM



#67
 Ethyl Benzene
 Concen: 46.25 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VX002036.D
 Acq: 26 May 2018 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	853614		
106	30.5	25.0	37.6	





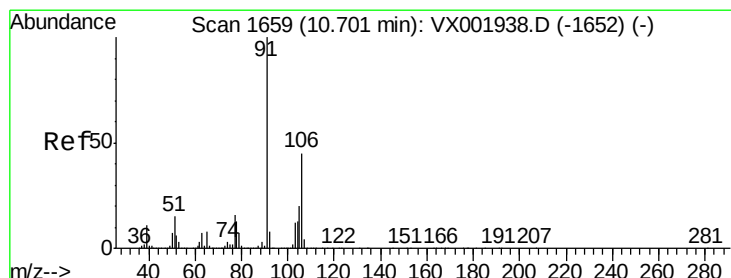
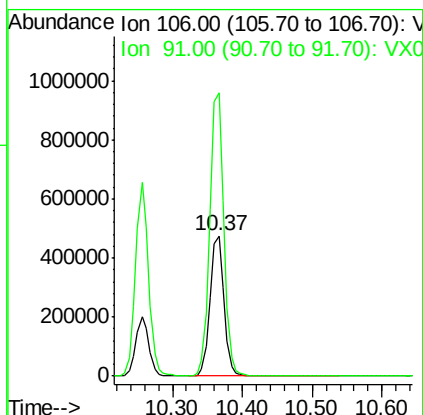
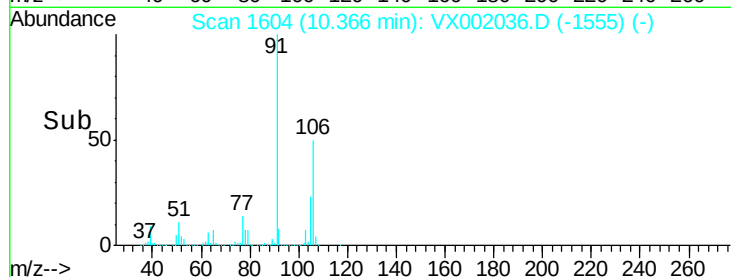
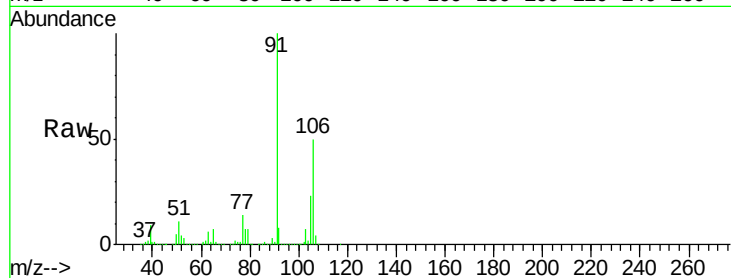
#68
m/p-Xylenes
Concen: 93.07 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX002036.D
Acq: 26 May 2018 22:59

Instrument :
MSVOA_X
ClientSampleId :
SS052MW354-180522MSD

Tot Ion:106 Resp: 656617
Ion Ratio Lower Upper
106 100
91 204.5 165.0 247.6

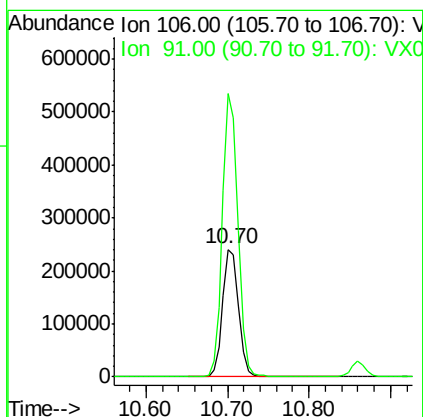
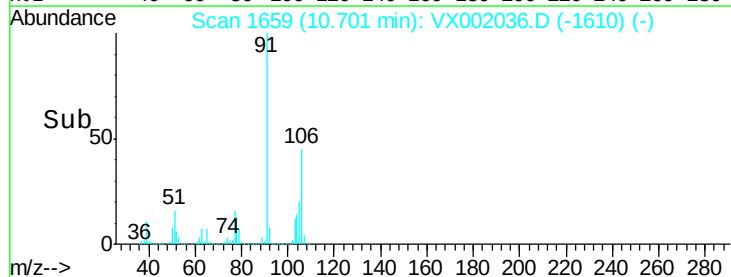
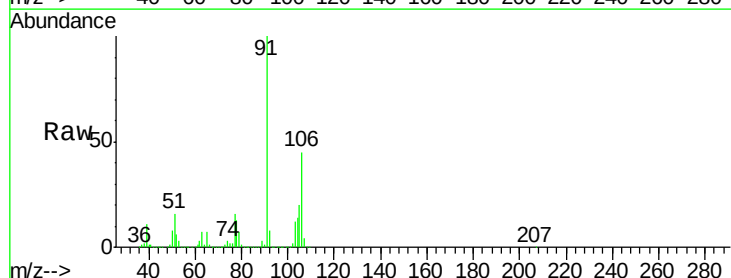
Manual Integrations
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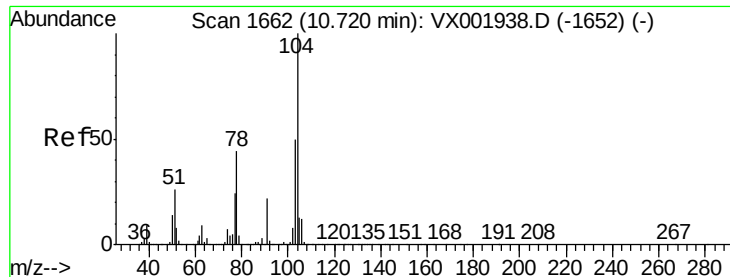
MMDadoda
5/30/2018 1:50:11 PM



#69
o-Xylene
Concen: 46.42 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002036.D
Acq: 26 May 2018 22:59

Tgt Ion:106 Resp: 326998
Ion Ratio Lower Upper
106 100
91 217.5 108.7 325.9





#70

Stvrene

Concen: 44.71 ug/l

RT: 10.72 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Instrument :

MSVOA_X

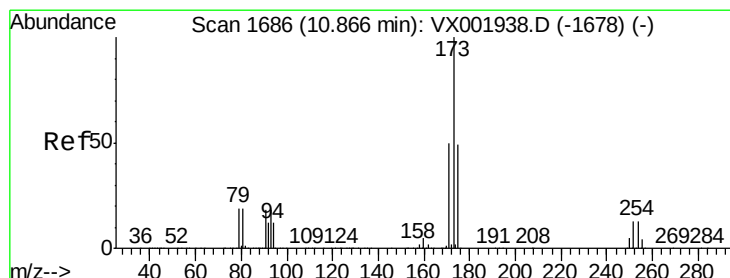
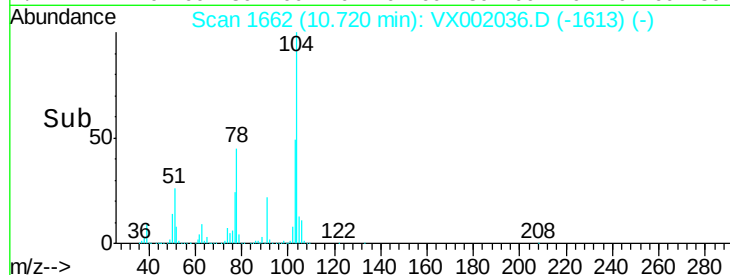
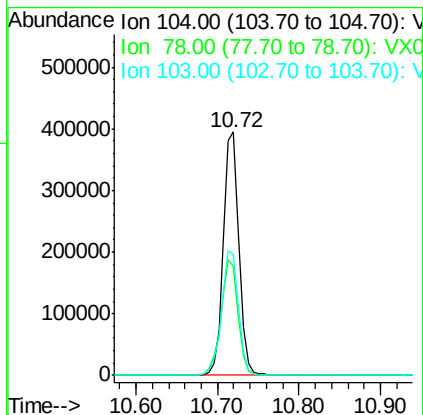
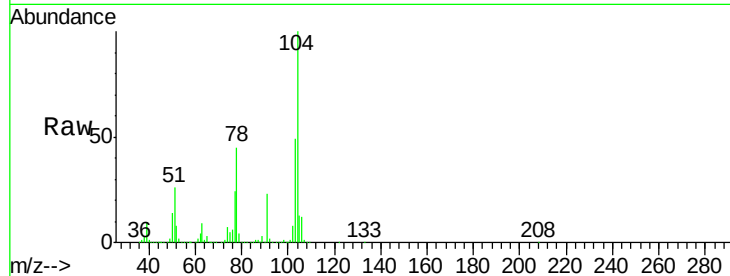
ClientSampleId :

SS052MW354-180522MSD

Tot Ion:	104	Resp:	522353
Ion Ratio	Lower	Upper	
104	100		
78	52.6	41.8	62.6
103	56.0	44.6	67.0

Manual Integrations
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5/30/2018 1:50:11 PM



#71

Bromoform

Concen: 44.98 ug/l

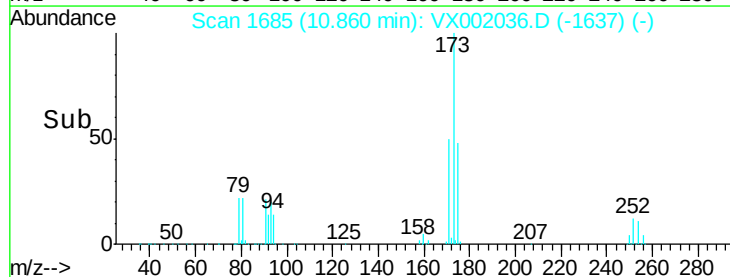
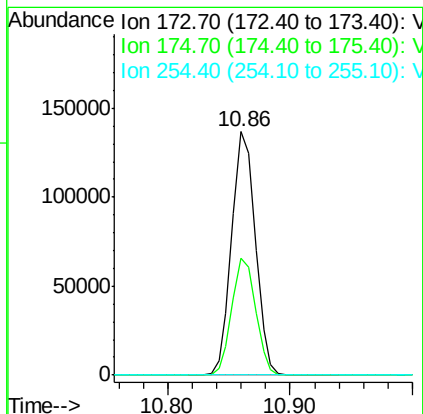
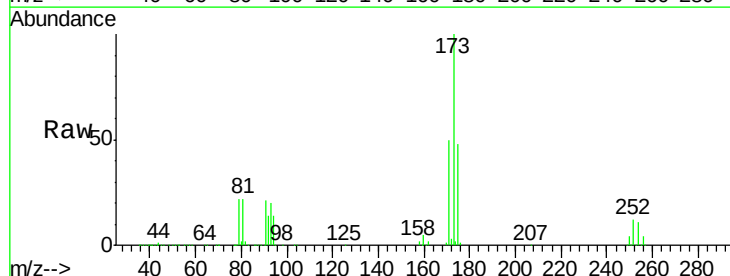
RT: 10.86 min Scan# 1685

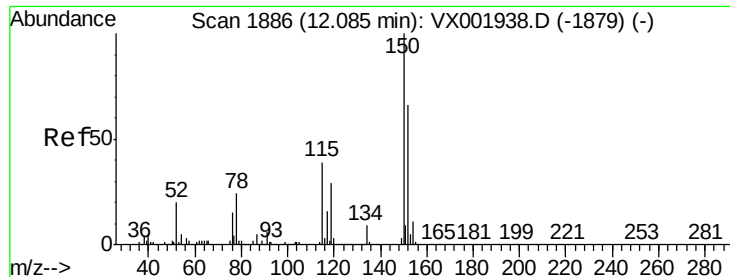
Delta R.T. -0.01 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Tgt Ion:	173	Resp:	182943
Ion Ratio	Lower	Upper	
173	100		
175	48.6	24.3	72.9
254	0.2	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Instrument :

MSVOA_X

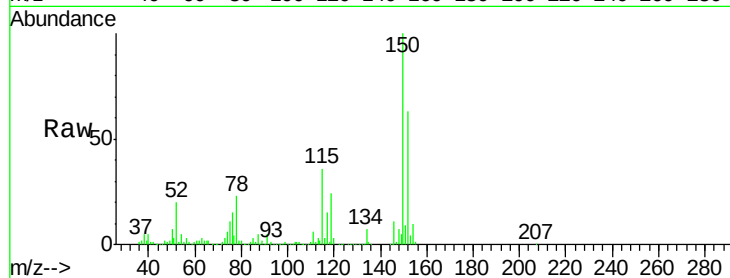
ClientSampleId :

SS052MW354-180522MSD

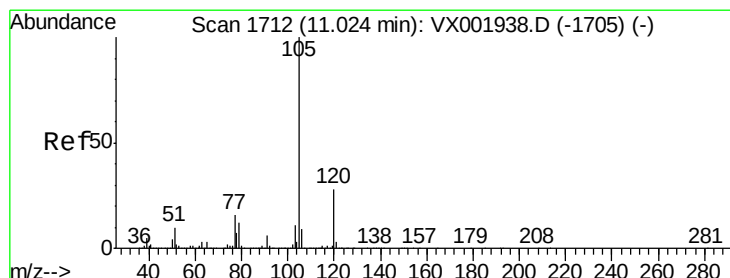
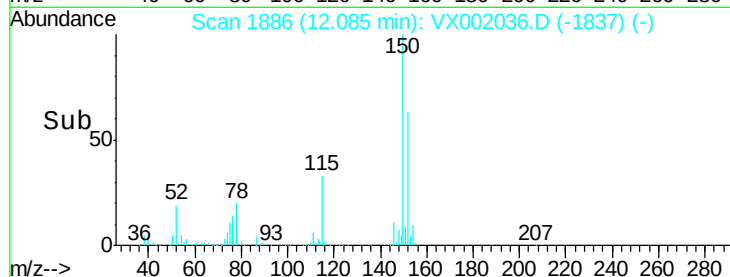
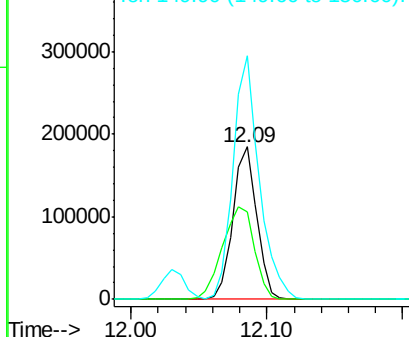
Tot Ion:	152	Resp:	225277
Ion Ratio	Lower	Upper	
152	100		
115	81.0	42.3	126.8
150	175.7	0.0	351.0

Manual Integrations
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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: 45.04 ug/l

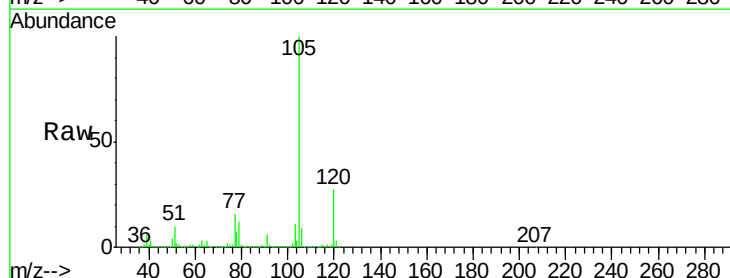
RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

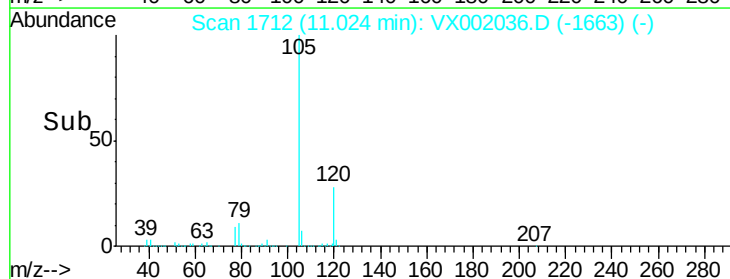
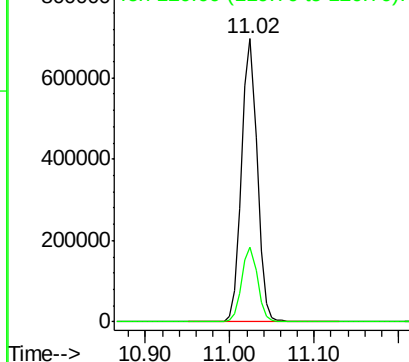
Lab File: VX002036.D

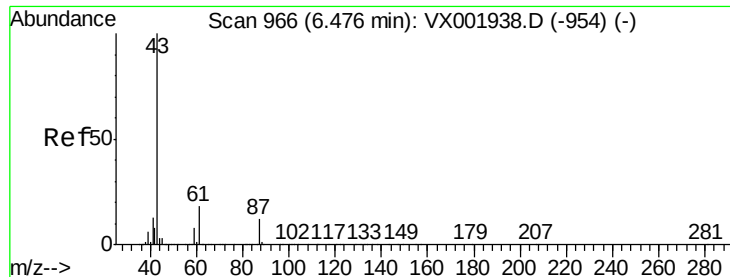
Acq: 26 May 2018 22:59

Tgt Ion:	105	Resp:	859284
Ion Ratio	Lower	Upper	
105	100		
120	26.7	13.6	40.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 50.41 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Instrument :

MSVOA_X

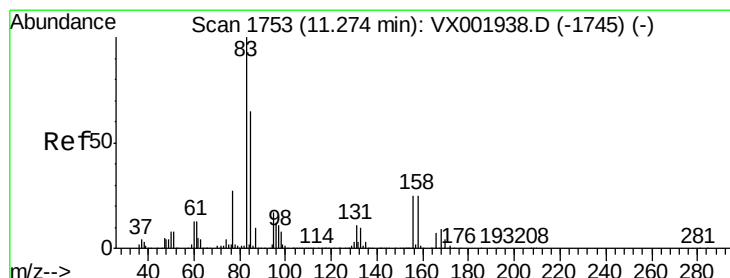
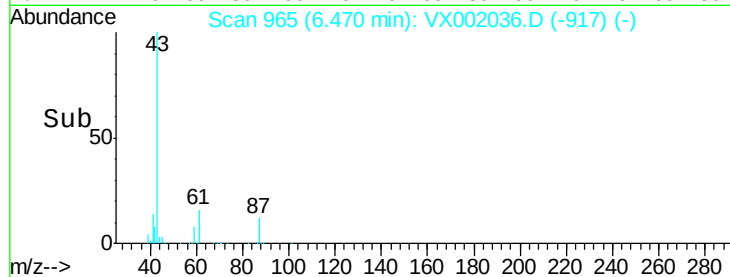
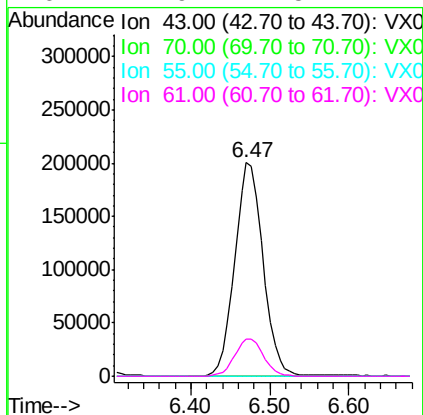
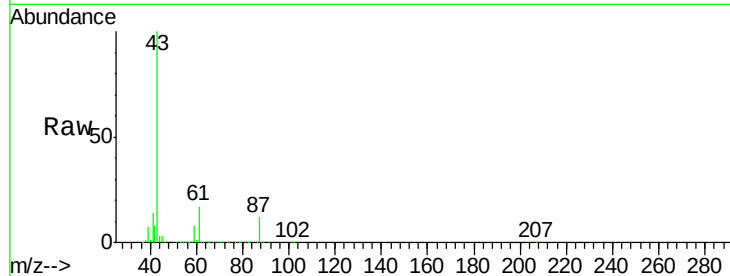
ClientSampleId :

SS052MW354-180522MSD

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

Manual Integrations
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5/30/2018 1:50:11 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 53.25 ug/l

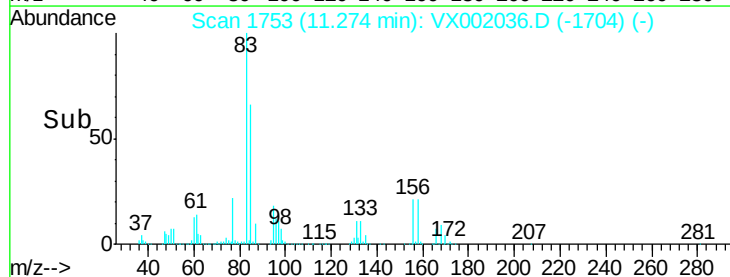
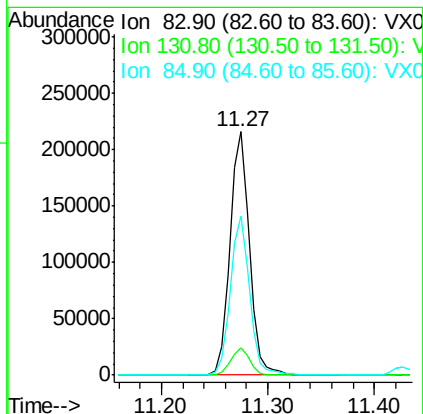
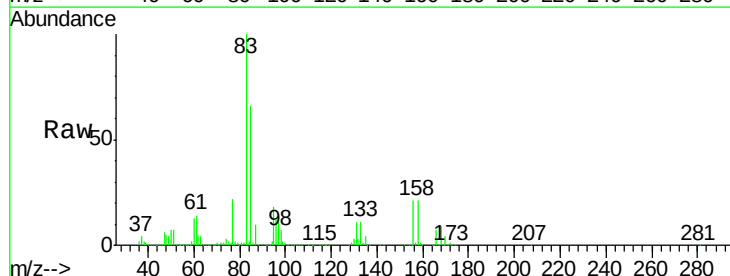
RT: 11.27 min Scan# 1753

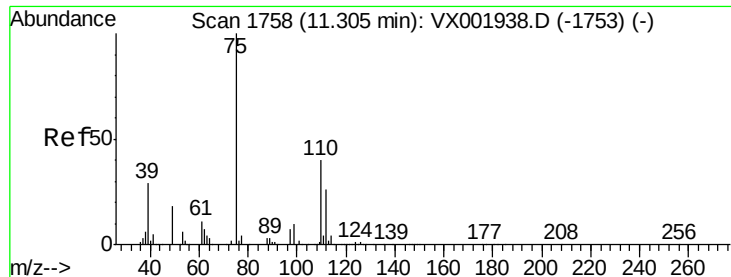
Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100				
131	11.1	5.7	17.0		
85	64.9	32.6	97.7		





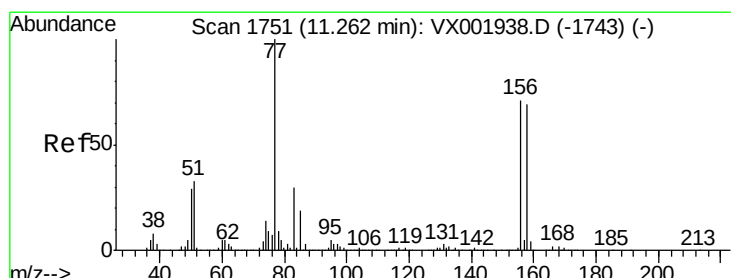
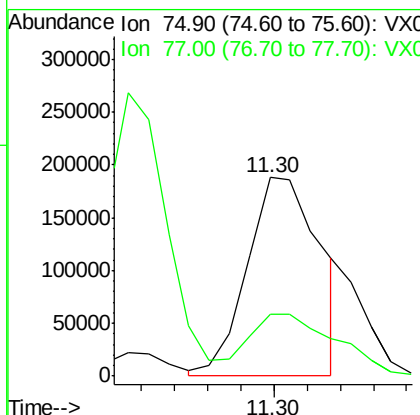
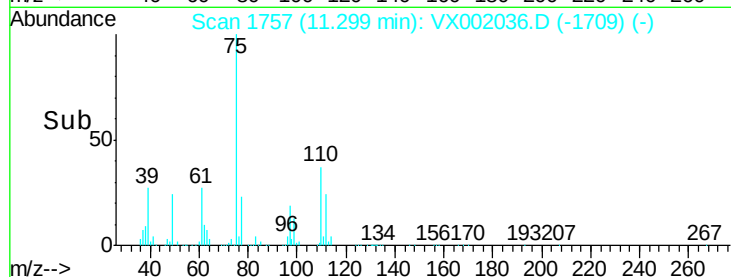
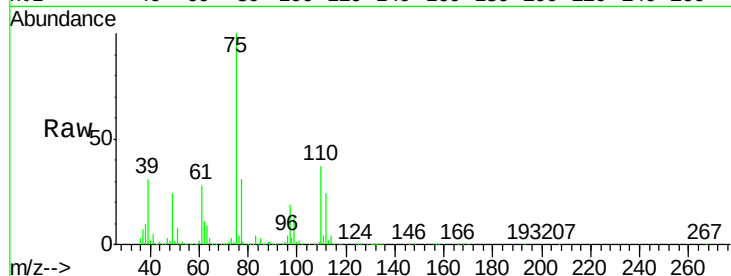
#76
 1,2,3-Trichloropropane
 Concen: 53.40 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VX002036.D
 Acq: 26 May 2018 22:59

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW354-180522MSD

Tot Ion: 75 Resp: 288940
 Ion Ratio Lower Upper
 75 100
 77 38.6 22.8 68.3

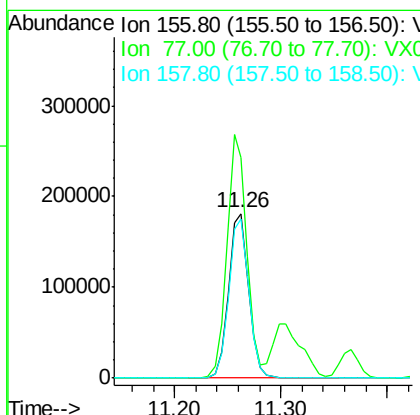
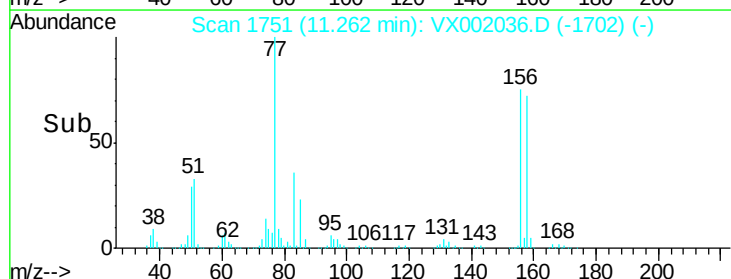
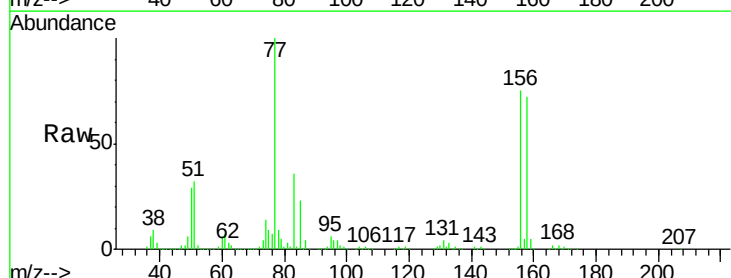
Manual Integrations
 APPROVED

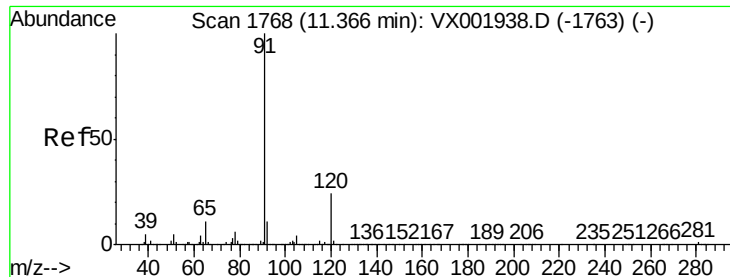
MMDadoda
 5/30/2018 1:50:11 PM



#77
 Bromobenzene
 Concen: 47.34 ug/l
 RT: 11.26 min Scan# 1751
 Delta R.T. 0.00 min
 Lab File: VX002036.D
 Acq: 26 May 2018 22:59

Tgt Ion: 156 Resp: 239588
 Ion Ratio Lower Upper
 156 100
 77 144.6 75.2 225.6
 158 97.0 48.6 145.8





#78

n-propylbenzene

Concen: 44.75 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Instrument :

MSVOA_X

ClientSampleId :

SS052MW354-180522MSD

Tot Ion: 91 Resp: 956012

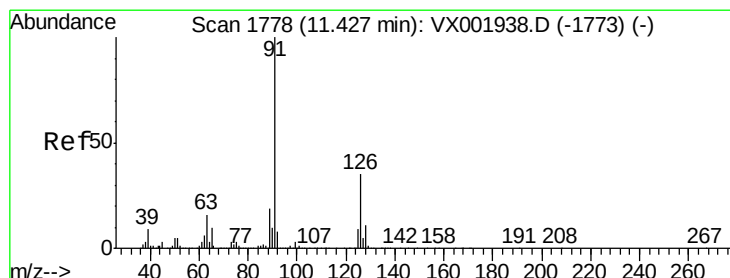
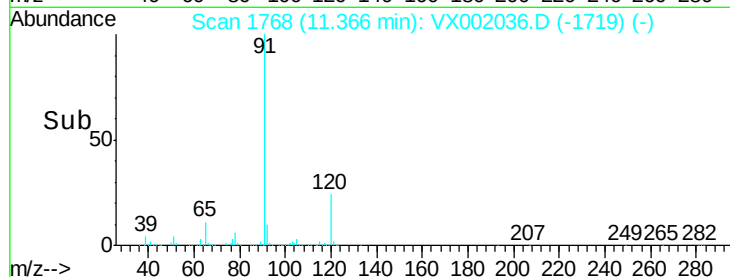
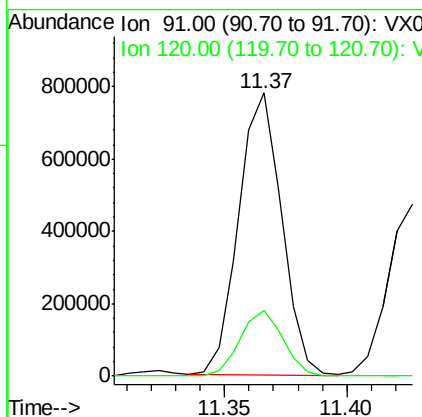
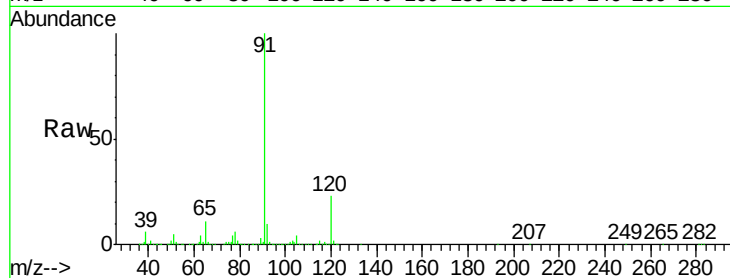
Ion Ratio Lower Upper

91 100

120 23.4 11.9 35.7

Manual Integrations
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#79

2-Chlorotoluene

Concen: 50.45 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002036.D

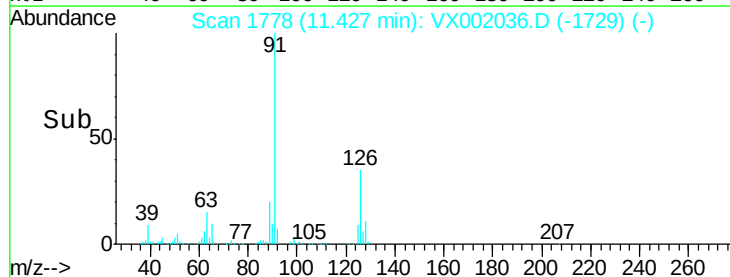
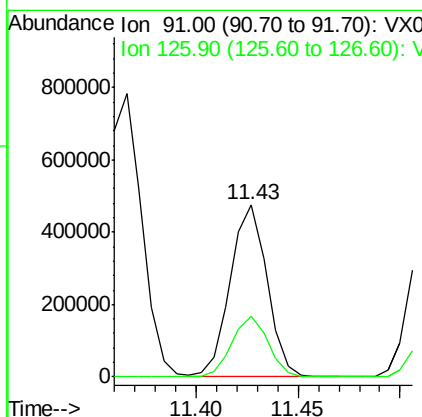
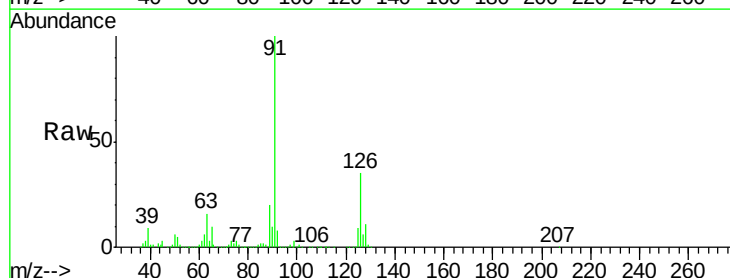
Acq: 26 May 2018 22:59

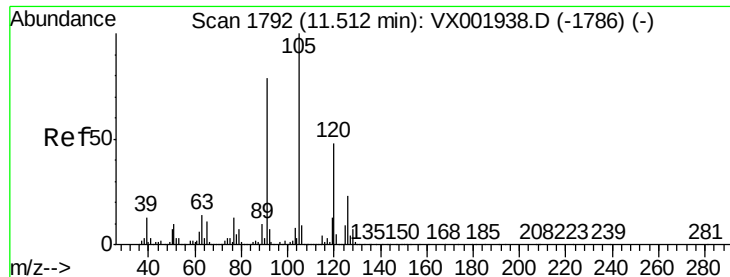
Tgt Ion: 91 Resp: 591097

Ion Ratio Lower Upper

91 100

126 34.9 17.4 52.2





#80

1,3,5-Trimethylbenzene

Concen: 44.93 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Instrument :

MSVOA_X

ClientSampleId :

SS052MW354-180522MSD

Tot Ion:105 Resp: 732536

Ion Ratio Lower Upper

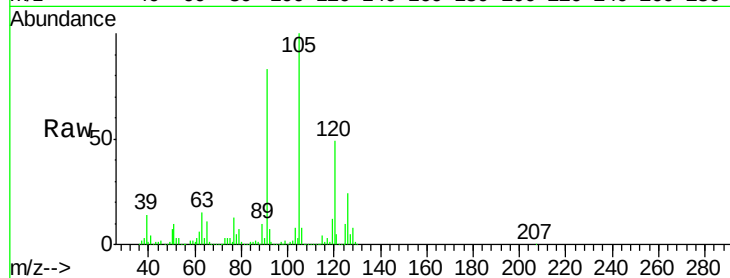
105 100

120 48.4 24.1 72.4

Manual Integrations
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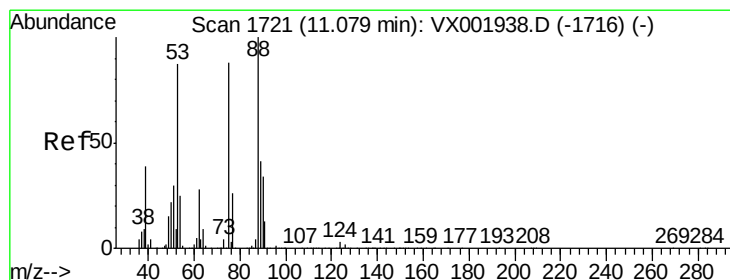
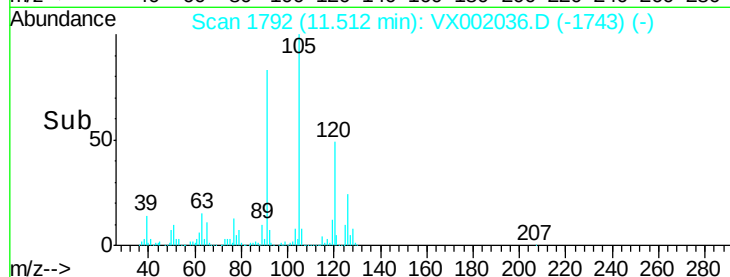
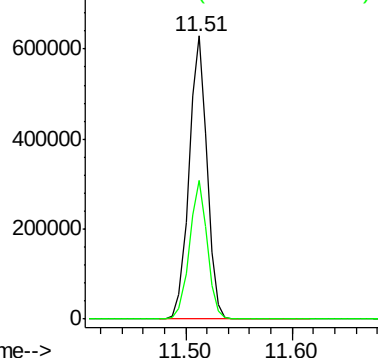
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 39.03 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

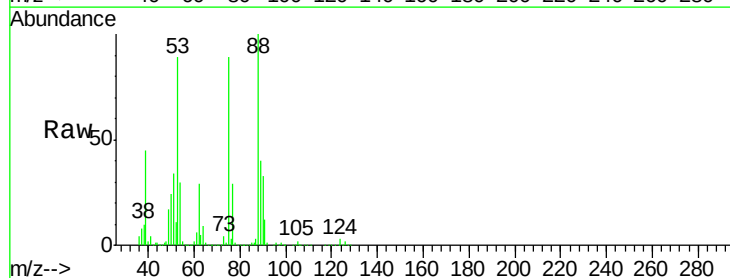
Tgt Ion: 75 Resp: 87875

Ion Ratio Lower Upper

75 100

53 101.0 78.0 117.0

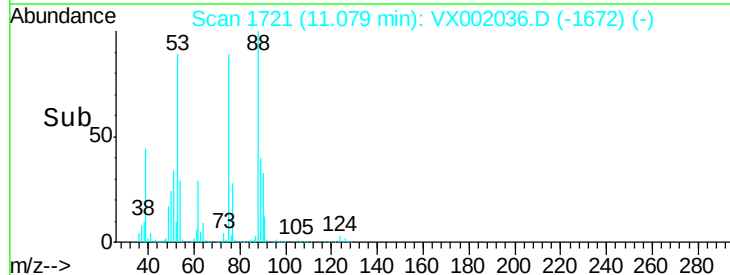
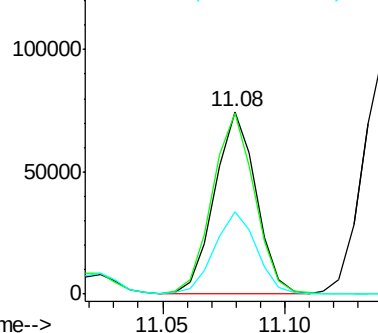
89 46.0 39.4 59.2

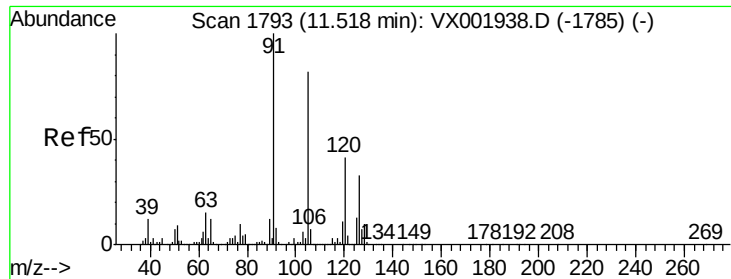


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





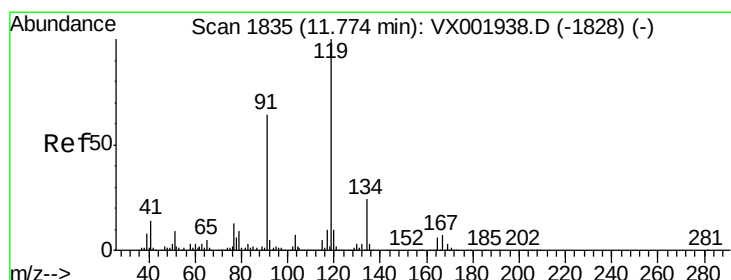
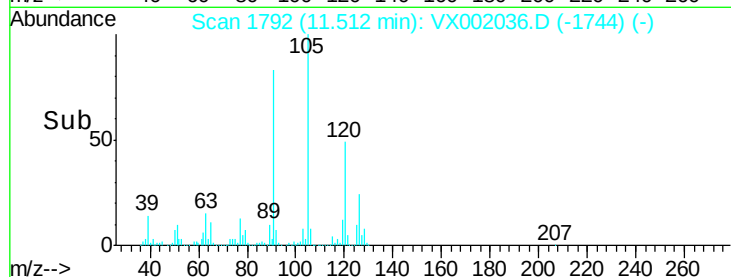
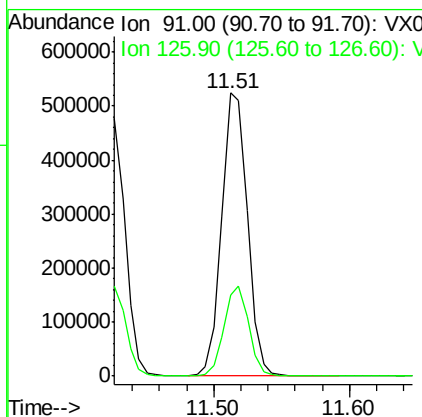
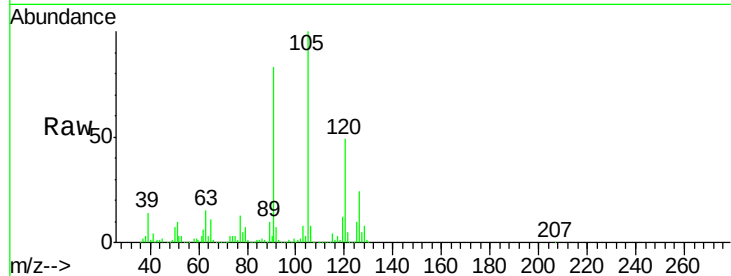
#82
4-Chlorotoluene
Concen: 45.66 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.01 min
Lab File: VX002036.D
Acq: 26 May 2018 22:59

Instrument :
MSVOA_X
ClientSampleId :
SS052MW354-180522MSD

Tot Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.3	45.8

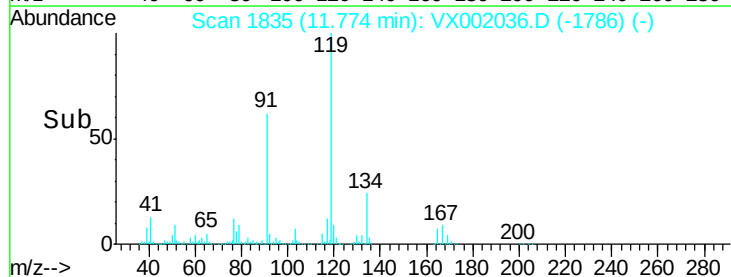
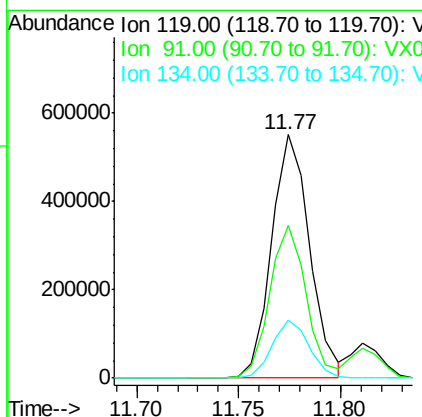
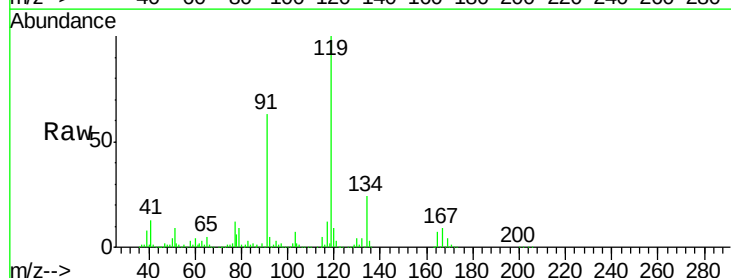
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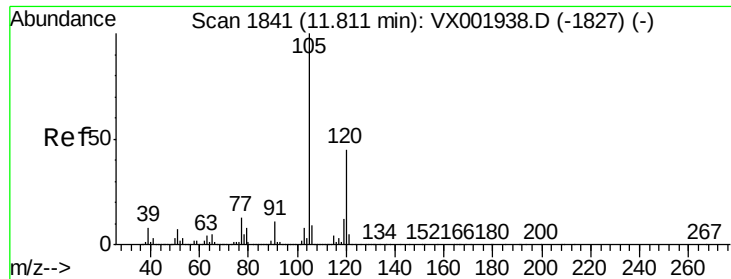
MMDadoda
5/30/2018 1:50:11 PM



#83
tert-Butylbenzene
Concen: 44.95 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX002036.D
Acq: 26 May 2018 22:59

Tgt Ion	Ratio	Lower	Upper
119	100		
91	59.9	30.6	91.8
134	23.0	11.7	35.0





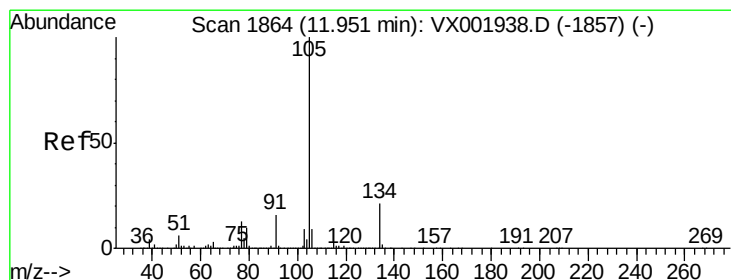
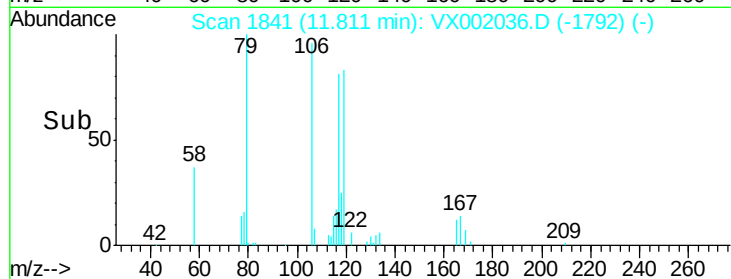
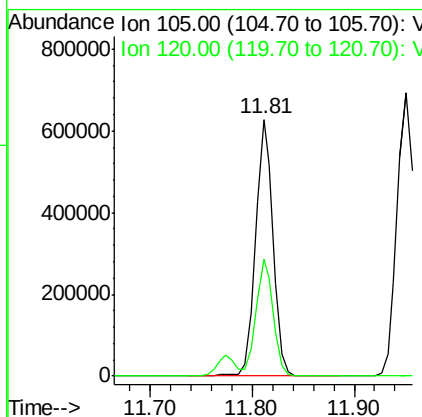
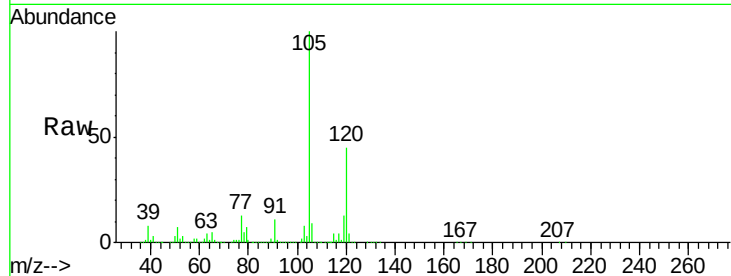
#84
 1,2,4-Trimethylbenzene
 Concen: 45.00 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002036.D
 Acq: 26 May 2018 22:59

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW354-180522MSD

Tot Ion	Ratio	Resp	Lower	Upper
105	100	758066		
120	44.5		22.1	66.5

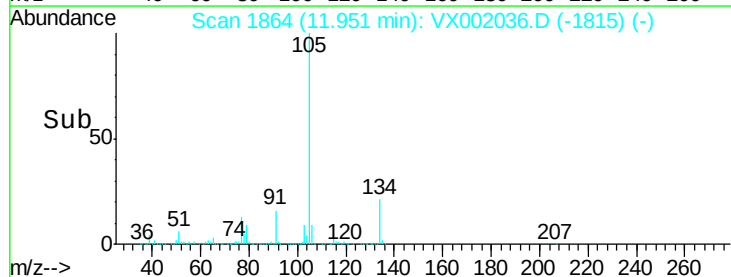
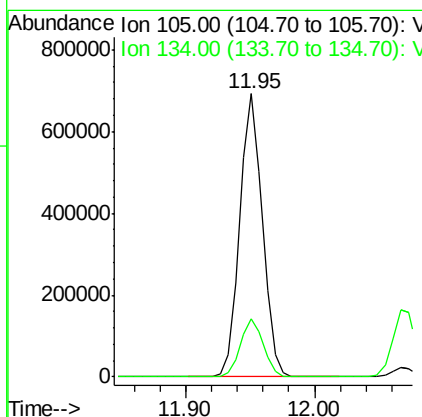
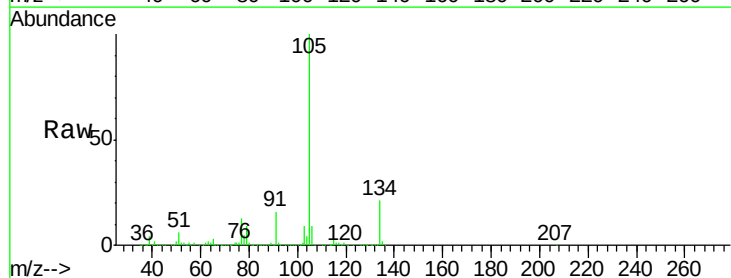
Manual Integrations
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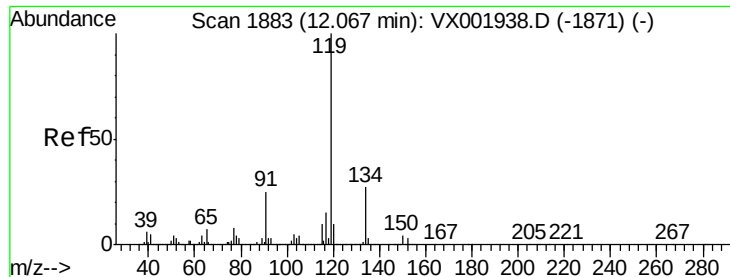
MMDadoda
 5/30/2018 1:50:11 PM



#85
 sec-Butylbenzene
 Concen: 43.86 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX002036.D
 Acq: 26 May 2018 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	843471		
134	20.5		10.4	31.4





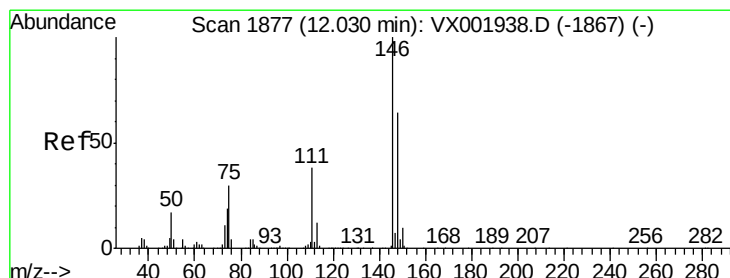
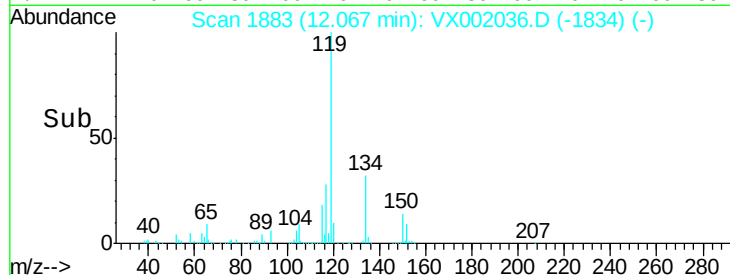
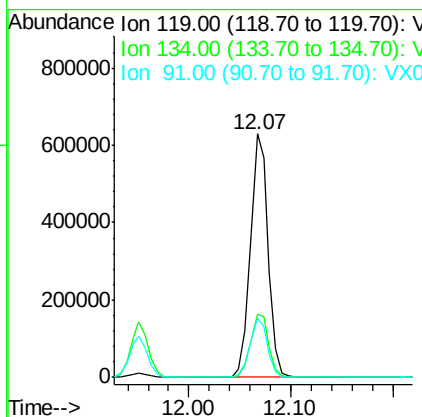
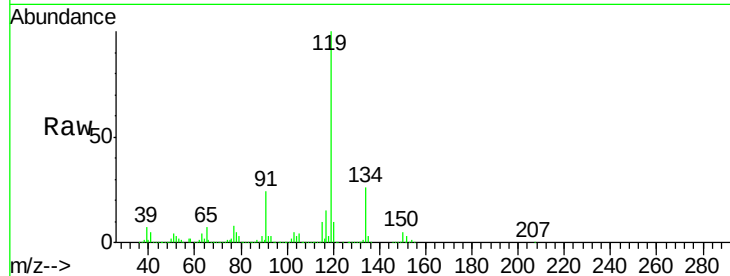
#86
 p-Isopropyltoluene
 Concen: 44.17 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX002036.D
 Acq: 26 May 2018 22:59

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW354-180522MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.6	40.8
91	24.0	12.2	36.4

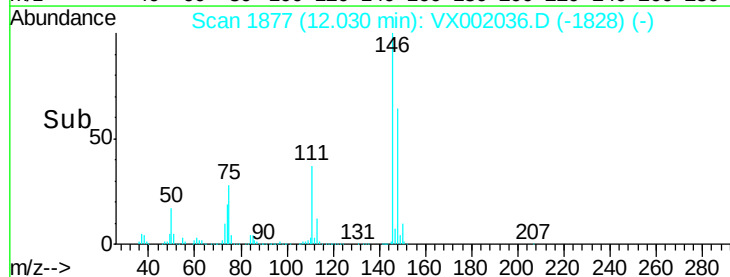
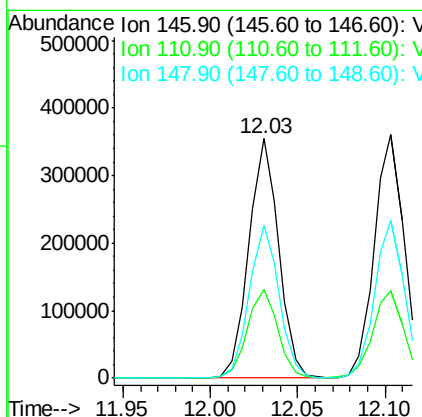
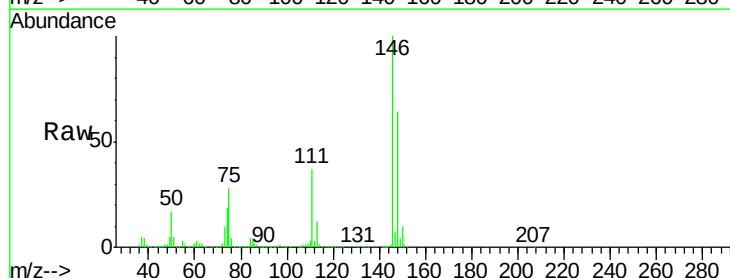
Manual Integrations
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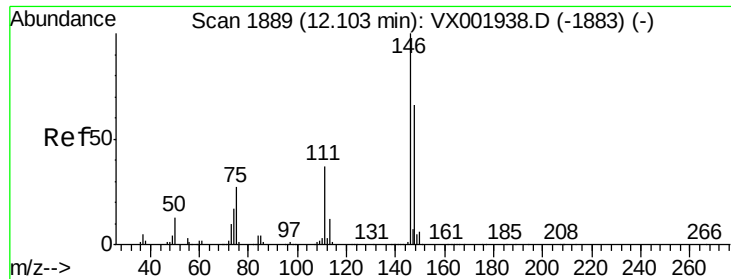
MMDadoda
 5/30/2018 1:50:11 PM



#87
 1,3-Dichlorobenzene
 Concen: 46.40 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002036.D
 Acq: 26 May 2018 22:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.3	57.8
148	63.9	32.1	96.3





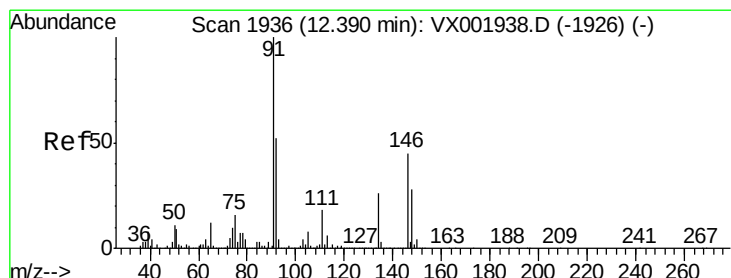
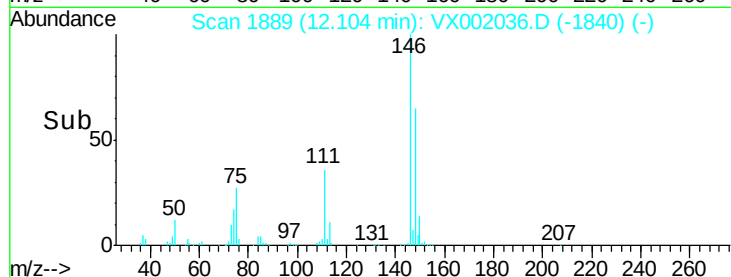
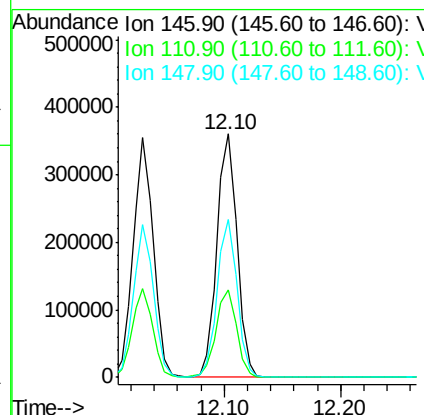
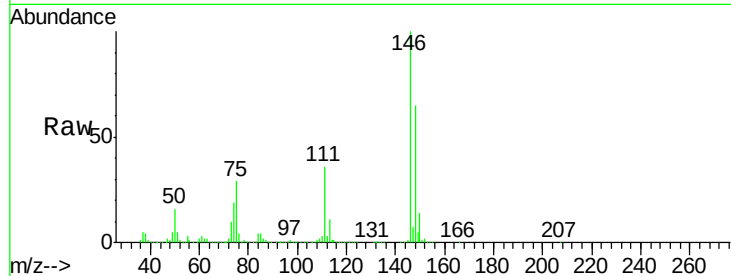
#88
 1,4-Dichlorobenzene
 Concen: 47.12 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002036.D
 Acq: 26 May 2018 22:59

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW354-180522MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.9	56.5
148	64.2	32.3	96.8

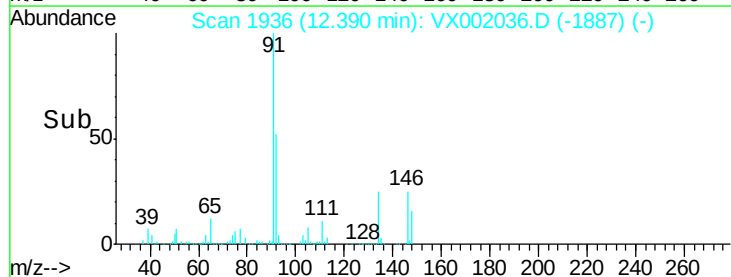
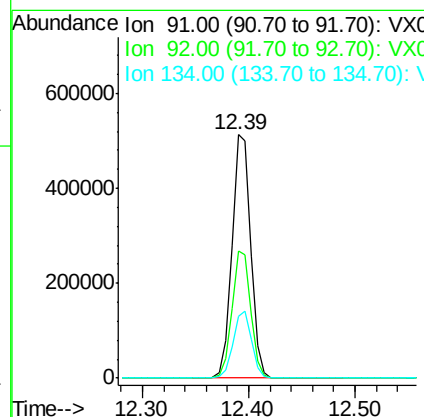
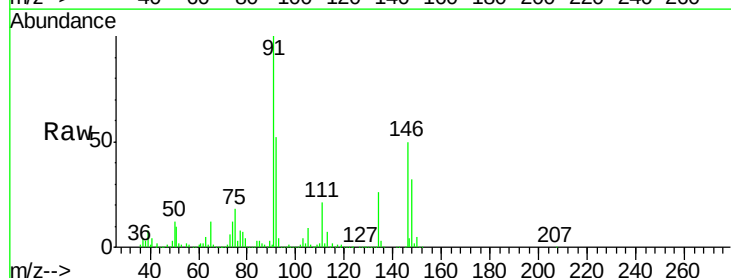
Manual Integrations
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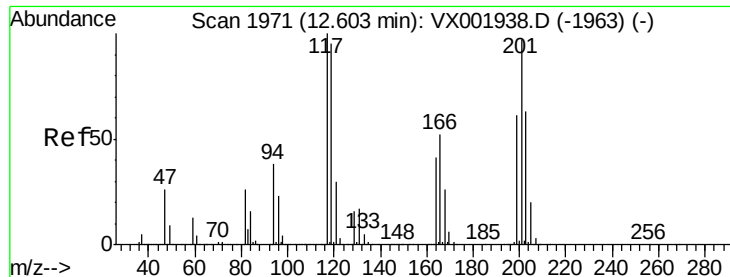
MMDadoda
 5/30/2018 1:50:11 PM



#89
 n-Butylbenzene
 Concen: 43.34 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VX002036.D
 Acq: 26 May 2018 22:59

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.9
134	26.8	13.6	40.7





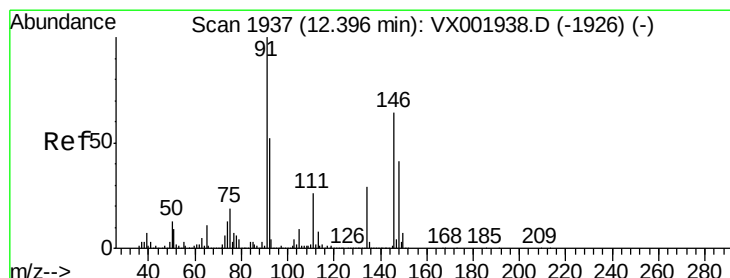
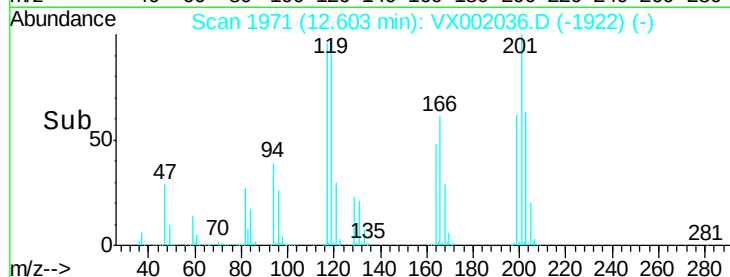
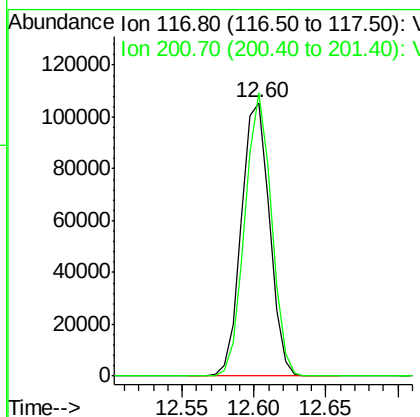
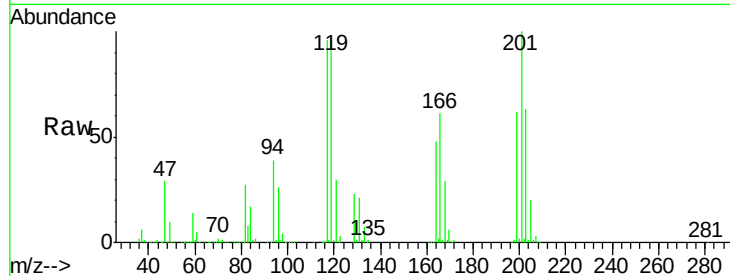
#90
Hexachloroethane
Concen: 42.04 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX002036.D
Acq: 26 May 2018 22:59

Instrument :
MSVOA_X
ClientSampleId :
SS052MW354-180522MSD

Tot Ion:117 Resp: 142698
Ion Ratio Lower Upper
117 100
201 97.3 48.0 144.0

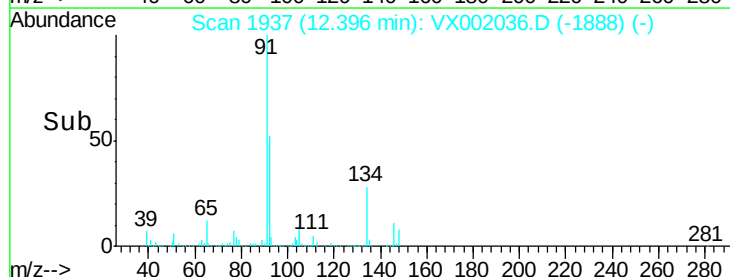
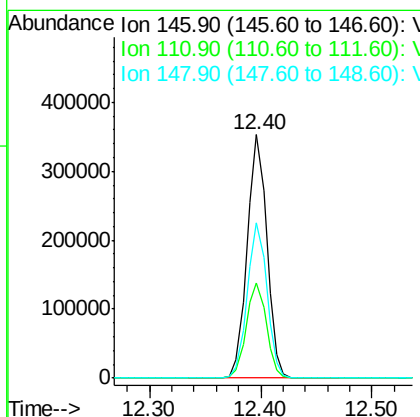
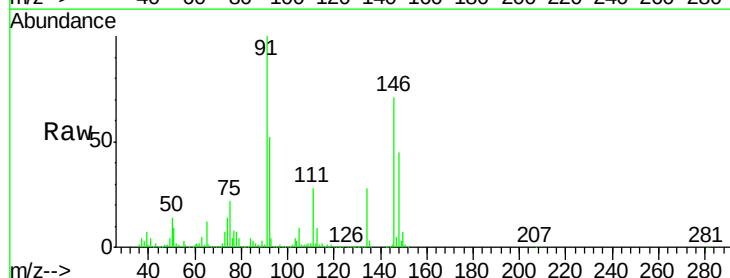
Manual Integrations
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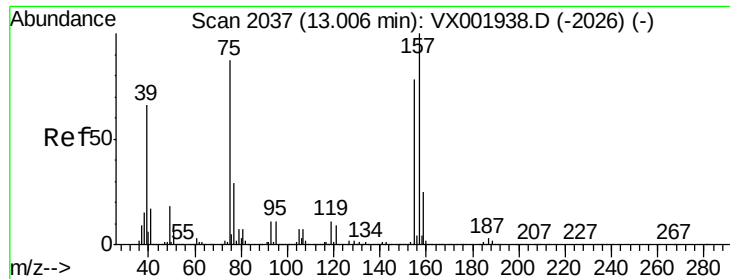
MMDadoda
5/30/2018 1:50:11 PM



#91
1,2-Dichlorobenzene
Concen: 47.06 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX002036.D
Acq: 26 May 2018 22:59

Tgt Ion:146 Resp: 434616
Ion Ratio Lower Upper
146 100
111 39.7 19.8 59.3
148 63.8 32.1 96.5





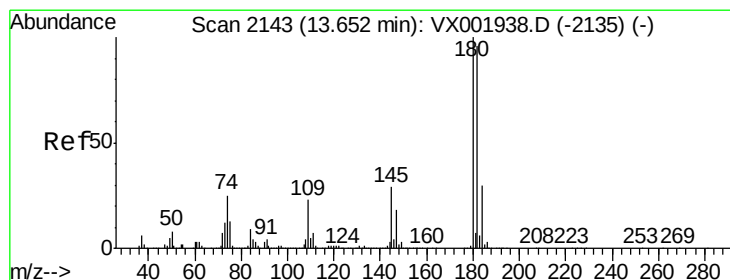
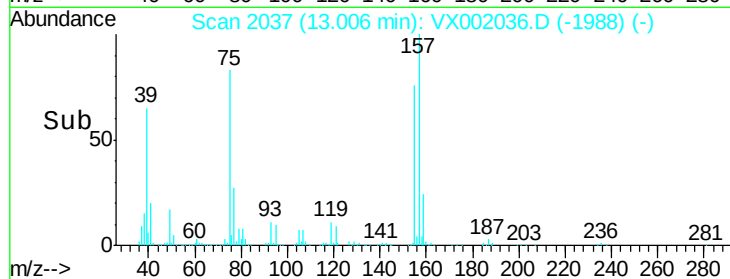
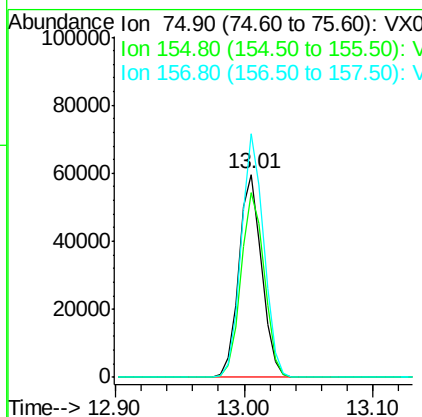
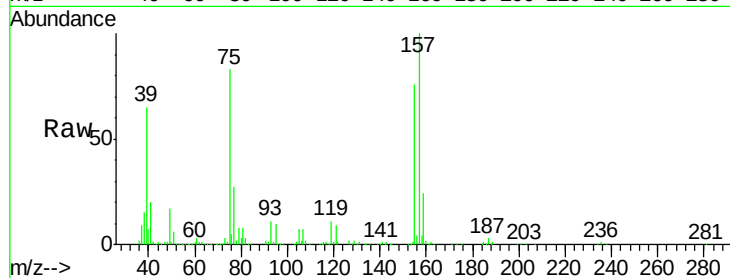
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.10 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002036.D
 Acq: 26 May 2018 22:59

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW354-180522MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	92.4	45.1	135.2
157	117.7	58.1	174.2

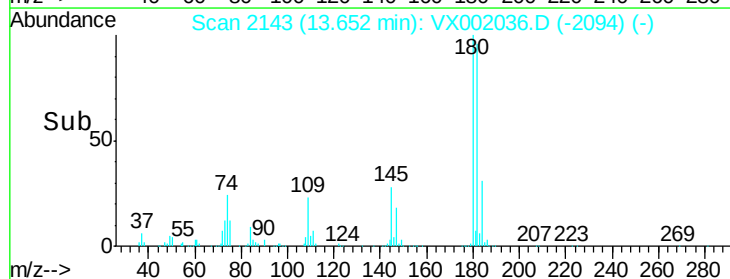
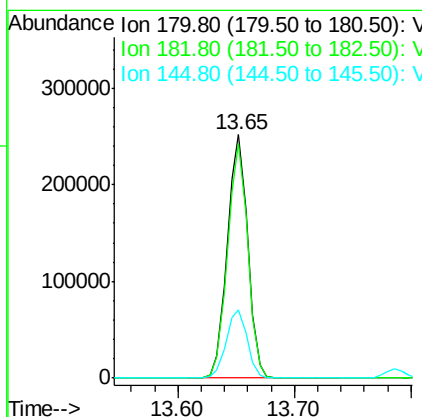
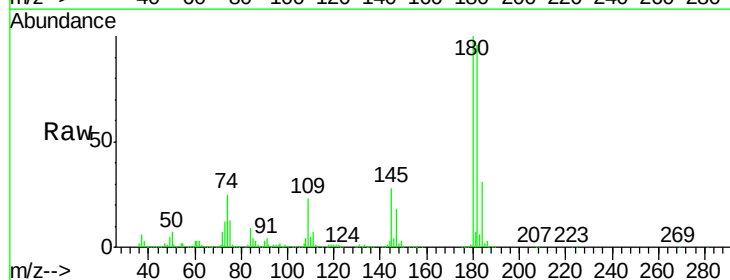
Manual Integrations
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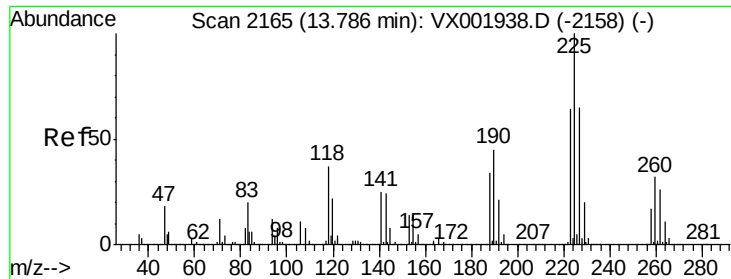
MMDadoda
 5/30/2018 1:50:11 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 46.21 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002036.D
 Acq: 26 May 2018 22:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.7	143.1
145	28.6	14.4	43.0





#94

Hexachlorobutadiene

Concen: 39.38 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Instrument :

MSVOA_X

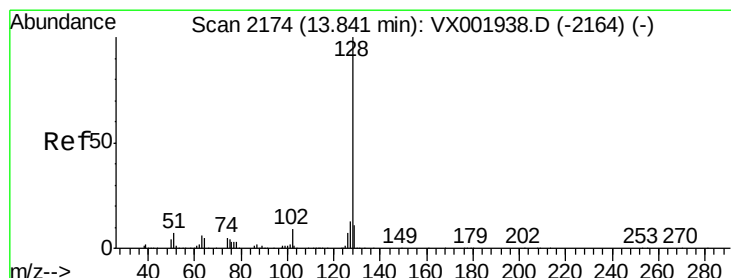
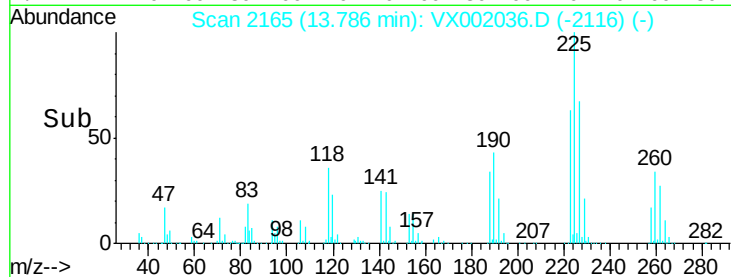
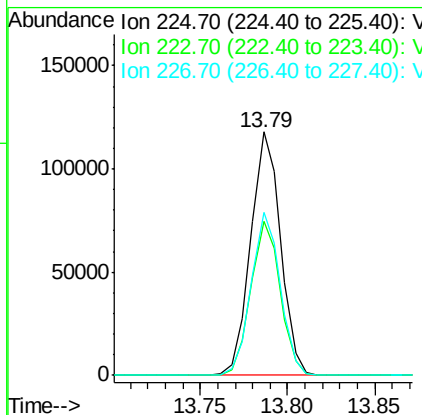
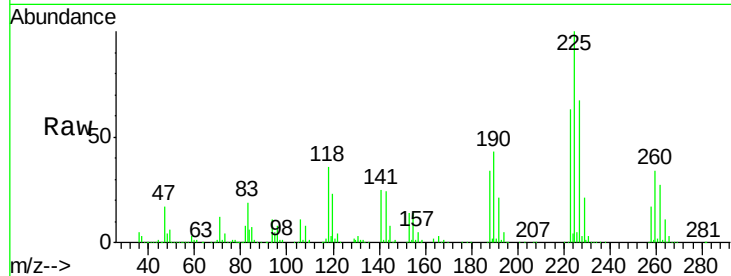
ClientSampleId :

SS052MW354-180522MSD

Tot Ion:	225	Resp:	139878
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.1	93.5
227	65.0	32.1	96.5

Manual Integrations
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MMDadoda
5/30/2018 1:50:11 PM



#95

Naphthalene

Concen: 46.97 ug/l

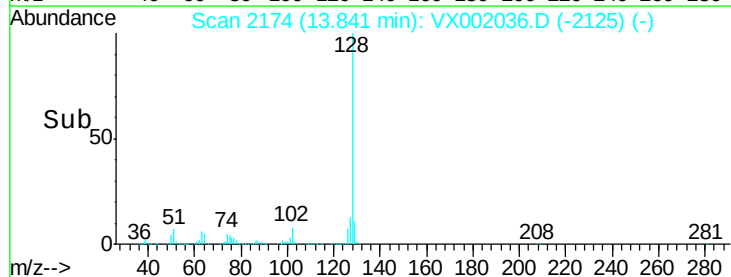
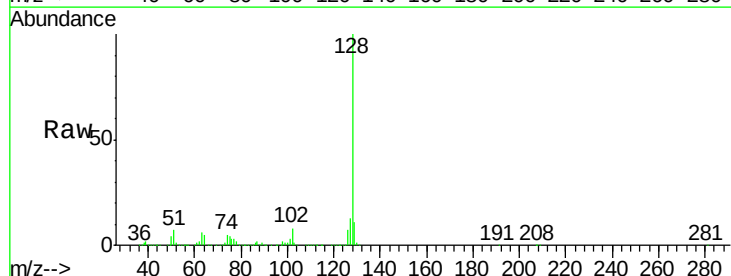
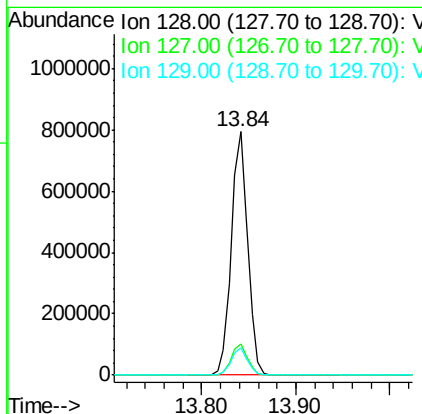
RT: 13.84 min Scan# 2174

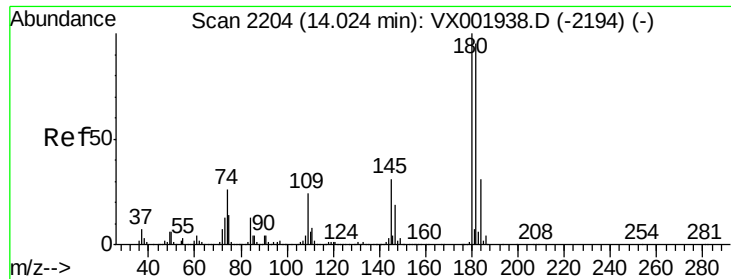
Delta R.T. 0.00 min

Lab File: VX002036.D

Acq: 26 May 2018 22:59

Tgt Ion:	128	Resp:	955606
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	11.1	8.8	13.2





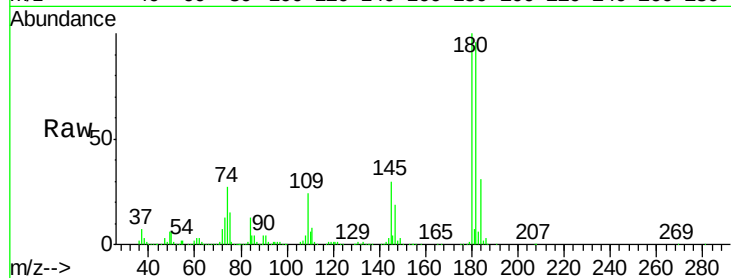
#96
 1,2,3-Trichlorobenzene
 Concen: 46.63 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX002036.D
 Acq: 26 May 2018 22:59

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW354-180522MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	47.9	143.6	
145	30.1	15.1	45.3	

Manual Integrations
 APPROVED

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Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

